

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
 Data File : BF084676.D
 Acq On : 30 Jan 2016 10:41
 Operator : SJ/IZ
 Sample : H1303-11MSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-UST-115MSD

Manual Integrations
 APPROVED

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 2/1/2016 2:25:48 PM

Quant Time: Feb 01 01:16:12 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	177027	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	708319	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	335929	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	585497	20.00	ng	0.00
75) Chrysene-d12	13.87	240	338526	20.00	ng	0.00
86) Perylene-d12	15.25	264	319183	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	1613191	137.56	ng	0.02
7) Phenol-d6	6.38	99	1962231	139.60	ng	0.01
23) Nitrobenzene-d5	7.30	82	1216825	96.01	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	464673	131.98	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1740111	76.99	ng	0.00
78) Terphenyl-d14	12.83	244	1757836	117.28	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.29	88	195326	35.72	ng	# 75
3) Pyridine	2.97	79	489823	33.62	ng	# 77
4) n-Nitrosodimethylamine	2.92	42	311101	43.67	ng	82
6) Aniline	6.40	93	501570	27.80	ng	# 1
8) 2-Chlorophenol	6.51	128	550655	42.33	ng	86
9) Benzaldehyde	6.27	77	28464	3.50	ng	88
10) Phenol	6.40	94	836983	53.43	ng	96
11) bis(2-Chloroethyl)ether	6.46	93	577503	47.40	ng	# 81
12) 1,3-Dichlorobenzene	6.66	146	575156m	41.27	ng	
13) 1,4-Dichlorobenzene	6.74	146	568232	41.54	ng	97
14) 1,2-Dichlorobenzene	6.90	146	593410	47.12	ng	98
15) Benzyl Alcohol	6.88	79	456288	47.69	ng	91
16) 2,2'-oxybis(1-Chloropropan	7.01	45	877597	42.08	ng	89
17) 2-Methylphenol	7.00	107	508231	50.40	ng	95
18) Hexachloroethane	7.24	117	231929	43.34	ng	# 84
19) n-Nitroso-di-n-propylamine	7.15	70	394625	45.96	ng	# 72
20) 3+4-Methylphenols	7.15	107	596279	48.73	ng	# 61
22) Acetophenone	7.14	105	853198	46.12	ng	# 98
24) Nitrobenzene	7.32	77	602183	44.70	ng	# 80
25) Isophorone	7.56	82	1164187	49.03	ng	96
26) 2-Nitrophenol	7.63	139	308256	48.12	ng	# 84
27) 2,4-Dimethylphenol	7.69	122	545183	48.57	ng	88
28) bis(2-Chloroethoxy)methane	7.78	93	710586	49.86	ng	# 97
29) 2,4-Dichlorophenol	7.88	162	512932	52.24	ng	96
30) 1,2,4-Trichlorobenzene	7.95	180	504267	44.91	ng	96
31) Naphthalene	8.03	128	1540011	43.07	ng	99
32) Benzoic acid	7.79	122	151682	17.60	ng	96
33) 4-Chloroaniline	8.09	127	166076	11.42	ng	96
34) Hexachlorobutadiene	8.16	225	296864	44.74	ng	99
35) Caprolactam	8.46	113	152837m	54.24	ng	
36) 4-Chloro-3-methylphenol	8.59	107	584983	54.11	ng	99
37) 2-Methylnaphthalene	8.73	142	1129174	51.44	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	443983	40.75	ng	98
40) Hexachlorocyclopentadiene	8.89	237	455936	92.05	ng	99

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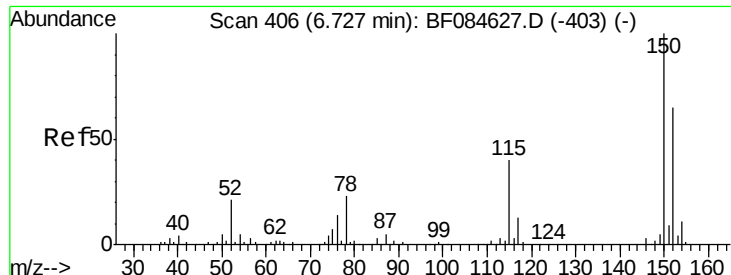
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.01	196	344881	50.96	nq	94
43) 2,4,5-Trichlorophenol	9.06	196	337115	48.25	nq	# 91
45) 1,1'-Biphenyl	9.20	154	1363493	44.29	nq	96
46) 2-Chloronaphthalene	9.22	162	991503	44.14	nq	# 88
47) 2-Nitroaniline	9.31	65	319350	47.34	nq	98
48) Acenaphthylene	9.63	152	1590492	46.73	nq	98
49) Dimethylphthalate	9.50	163	1522488	60.39	nq	# 91
50) 2,6-Dinitrotoluene	9.56	165	280313	50.53	nq	# 72
51) Acenaphthene	9.80	154	1020840	44.79	nq	97
52) 3-Nitroaniline	9.72	138	139807	24.12	nq	96
53) 2,4-Dinitrophenol	9.84	184	239131	87.36	nq	89
54) Dibenzofuran	9.97	168	1396475	51.34	nq	96
55) 4-Nitrophenol	9.90	139	368712	86.60	nq	# 79
56) 2,4-Dinitrotoluene	9.96	165	328012	45.51	nq	# 86
57) Fluorene	10.32	166	1086544	47.13	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.10	232	269644	51.04	nq	90
59) Diethylphthalate	10.20	149	1200330	48.63	nq	97
60) 4-Chlorophenyl-phenylether	10.30	204	435119	42.04	nq	93
61) 4-Nitroaniline	10.34	138	253525	46.21	nq	92
62) Azobenzene	10.46	77	1176331	49.80	nq	90
64) 4,6-Dinitro-2-methylphenol	10.37	198	198612	51.94	nq	77
65) n-Nitrosodiphenylamine	10.43	169	941120	49.57	nq	99
66) 4-Bromophenyl-phenylether	10.80	248	325846	49.42	nq	# 90
67) Hexachlorobenzene	10.85	284	319232	44.51	nq	# 84
68) Atrazine	10.96	200	279621	49.16	nq	99
69) Pentachlorophenol	11.06	266	373501	107.78	nq	98
70) Phenanthrene	11.26	178	1411877	43.61	nq	98
71) Anthracene	11.32	178	1603014	48.70	nq	97
72) Carbazole	11.48	167	1472553	51.91	nq	98
73) Di-n-butylphthalate	11.81	149	1569909	45.50	nq	# 96
74) Fluoranthene	12.45	202	1536973	48.02	nq	95
76) Benzidine	12.58	184	683749	53.11	nq	98
77) Pyrene	12.68	202	1455309	57.00	nq	100
79) Butylbenzylphthalate	13.31	149	664594	60.93	nq	# 85
80) Benzo(a)anthracene	13.86	228	990127	46.92	nq	99
81) 3,3'-Dichlorobenzidine	13.83	252	245495	33.06	nq	# 91
82) Chrysene	13.89	228	910615	43.78	nq	99
83) Bis(2-ethylhexyl)phthalate	13.87	149	821917	58.09	nq	# 96
84) Di-n-octyl phthalate	14.48	149	1190630	53.26	nq	# 88
85) Indeno(1,2,3-cd)pyrene	16.57	276	1060715	57.68	nq	99
87) Benzo(b)fluoranthene	14.88	252	1037430m	50.20	nq	
88) Benzo(k)fluoranthene	14.90	252	719702m	42.16	nq	
89) Benzo(a)pyrene	15.20	252	830864	46.47	nq	# 96
90) Dibenzo(a,h)anthracene	16.58	278	881487	54.71	nq	98
91) Benzo(g,h,i)perylene	16.97	276	908110	55.82	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

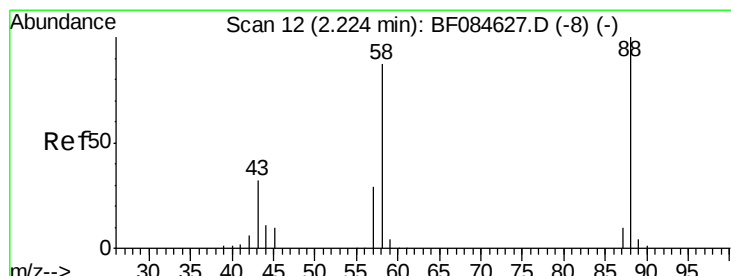
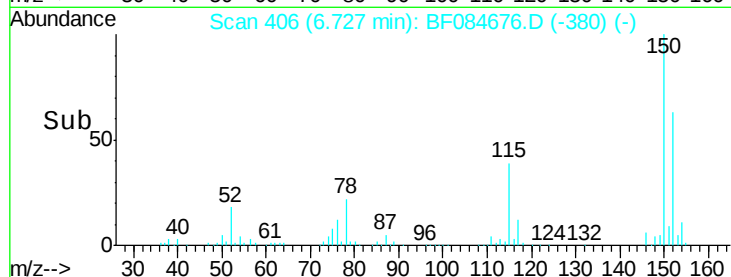
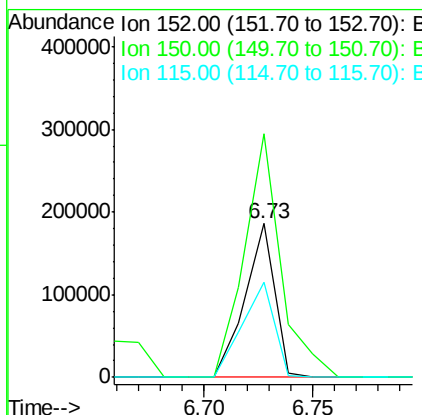
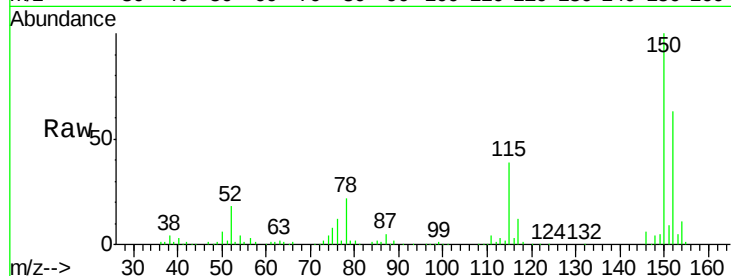
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	123.0	184.4
115	62.1	51.4	77.2

Manual Integrations
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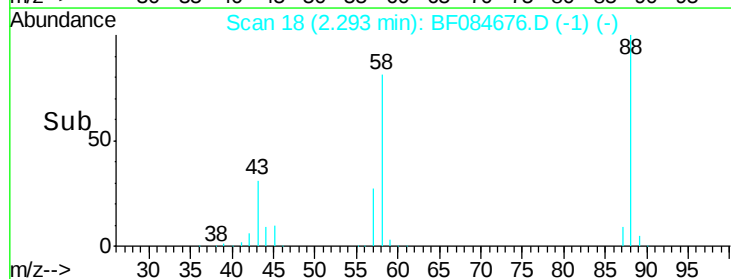
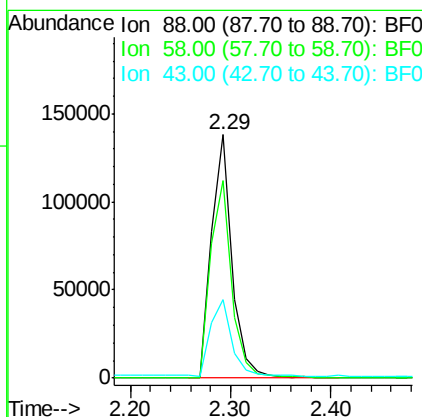
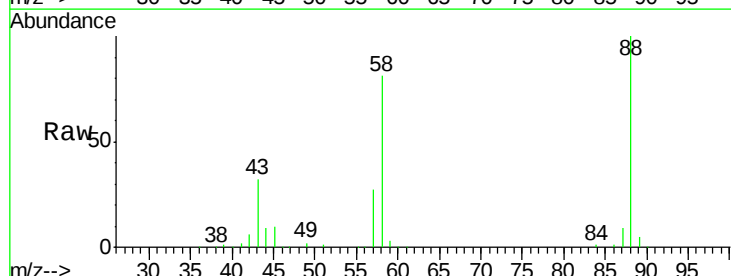
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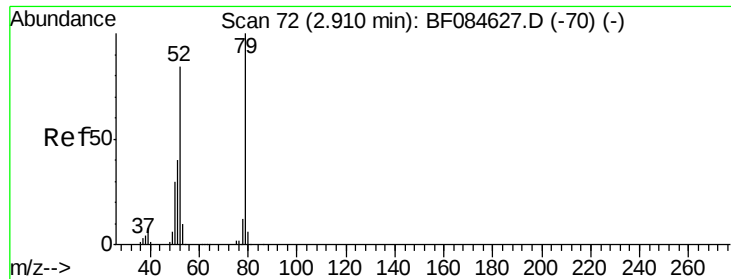


#2

1,4-Dioxane
Concen: 35.72 ng
RT: 2.29 min Scan# 18
Delta R.T. 0.07 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.2	51.2	76.8#
43	33.4	19.5	29.3#





#3

Pvridine

Concen: 33.62 ng

RT: 2.97 min Scan# 77

Delta R.T. 0.06 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

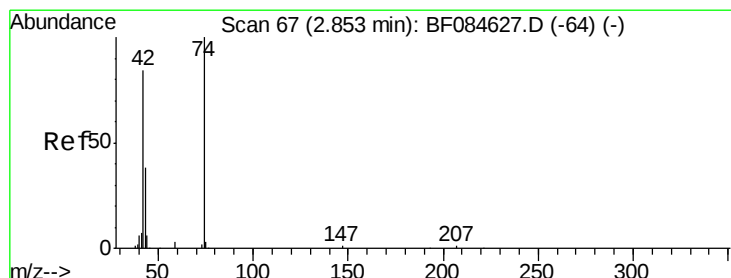
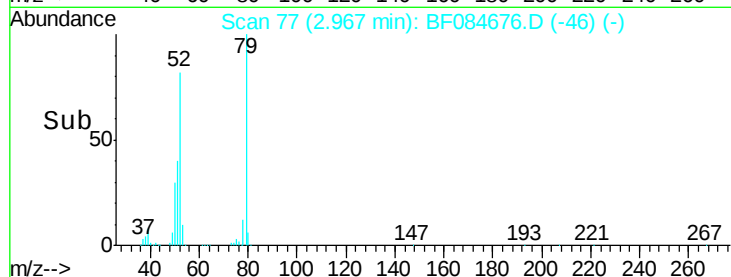
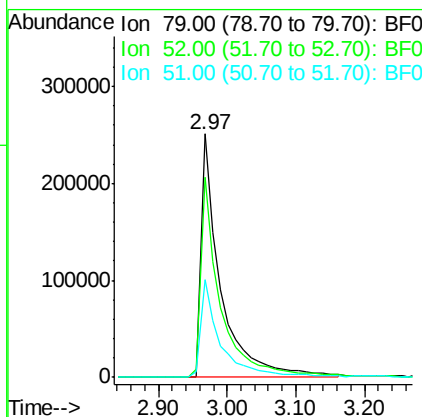
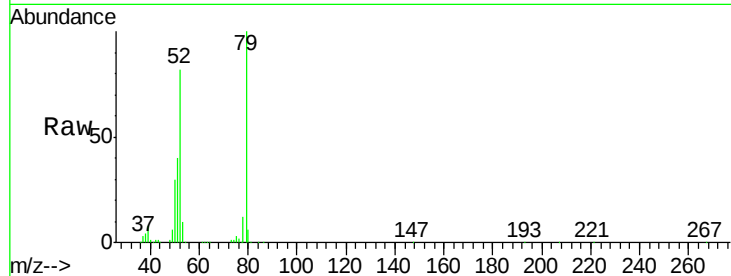
ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion:	79	Resp:	489823
Ion Ratio	Lower	Upper	
79	100		
52	81.9	49.0	73.4#
51	40.0	25.2	37.8#

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#4

n-Nitrosodimethylamine

Concen: 43.67 ng

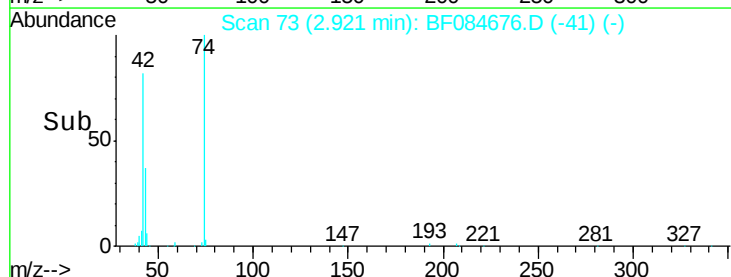
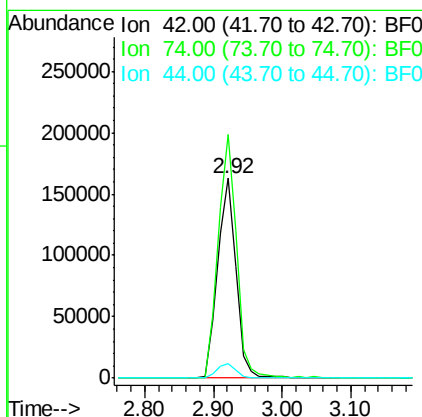
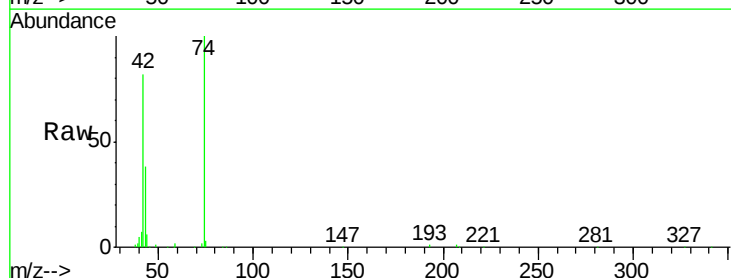
RT: 2.92 min Scan# 73

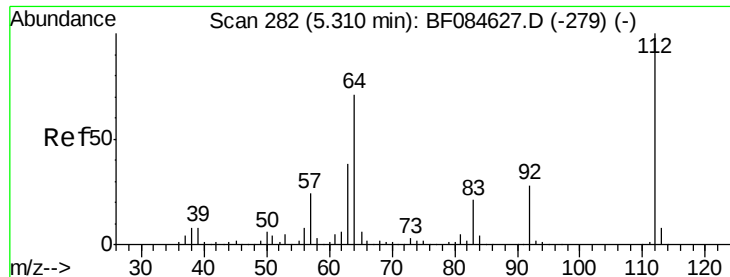
Delta R.T. 0.07 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Tgt Ion:	42	Resp:	311101
Ion Ratio	Lower	Upper	
42	100		
74	121.9	115.7	173.5
44	7.3	5.1	7.7





#5

2-Fluorophenol

Concen: 137.56 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

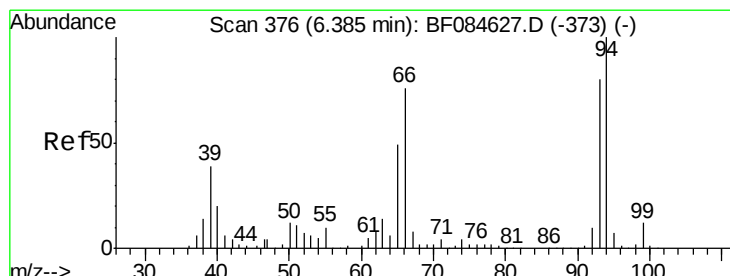
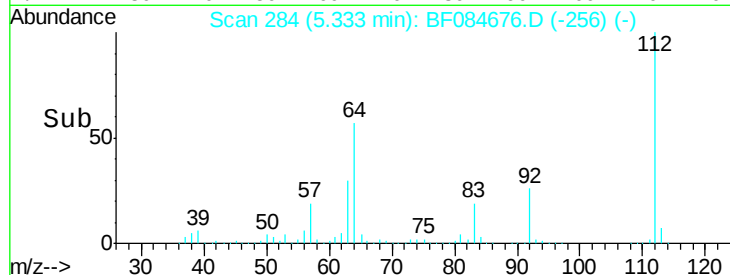
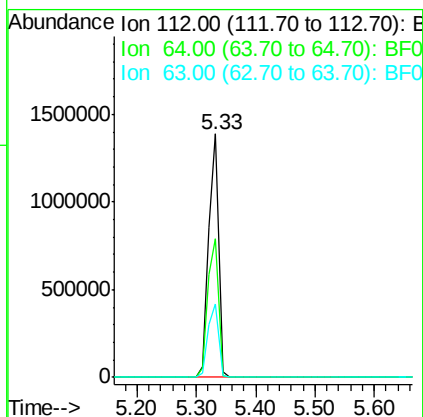
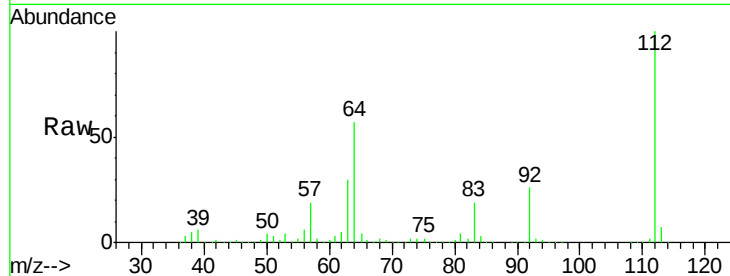
ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion:	112	Resp:	1613191
Ion Ratio	Lower	Upper	
112	100		
64	56.8	36.6	55.0#
63	30.0	19.4	29.0#

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#6

Aniline

Concen: 27.80 ng

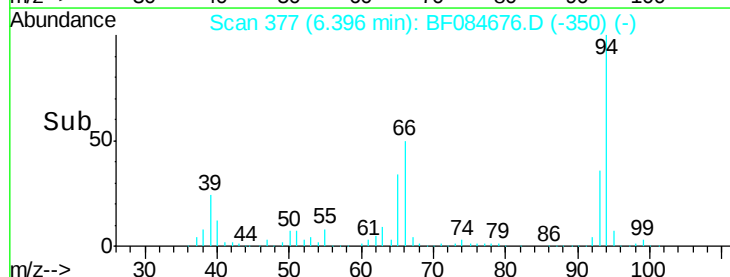
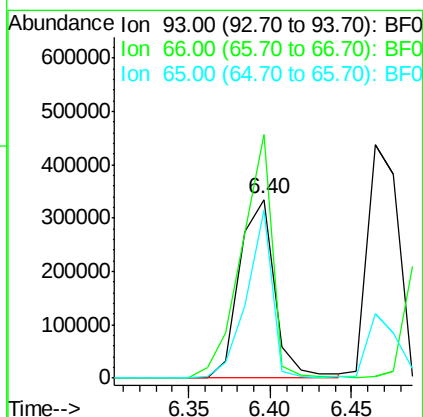
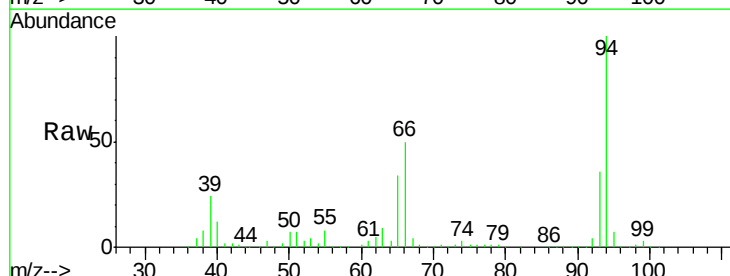
RT: 6.40 min Scan# 377

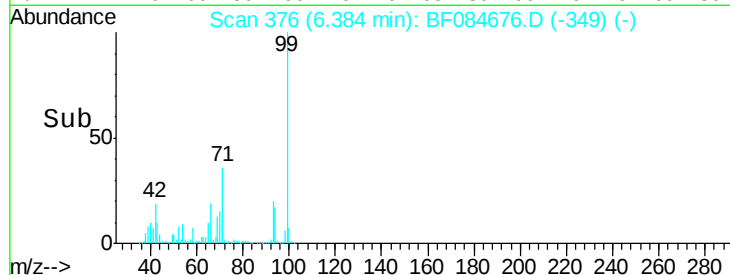
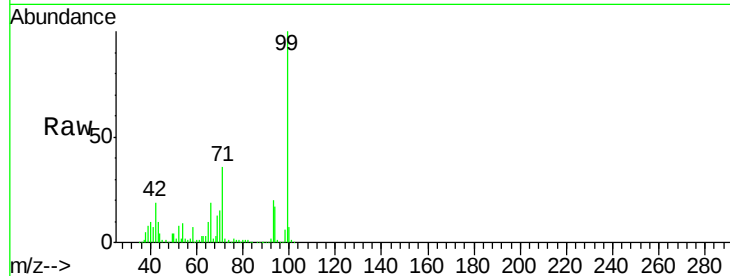
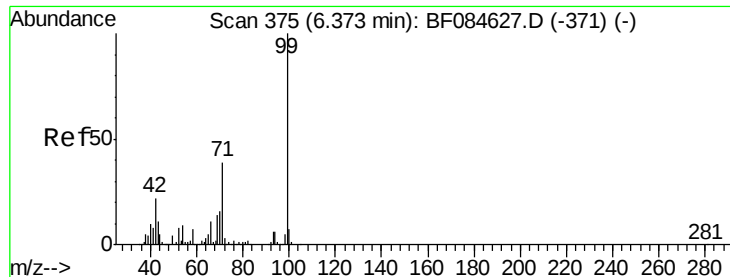
Delta R.T. 0.01 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Tgt Ion:	93	Resp:	501570
Ion Ratio	Lower	Upper	
93	100		
66	136.4	44.9	67.3#
65	94.5	23.7	35.5#





#7

Phenol-d6

Concen: 139.60 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Tot Ion: 99 Resp: 1962231

Ion Ratio Lower Upper

99 100

42 18.8 12.8 19.2

71 36.1 30.9 46.3

Instrument :

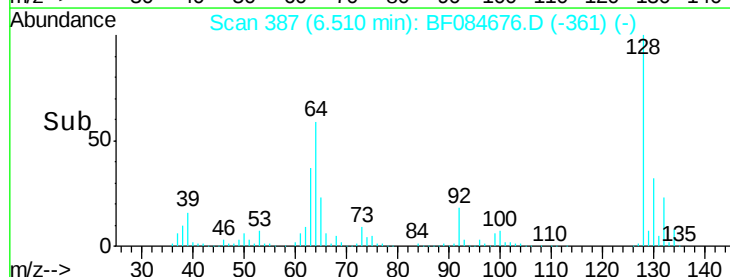
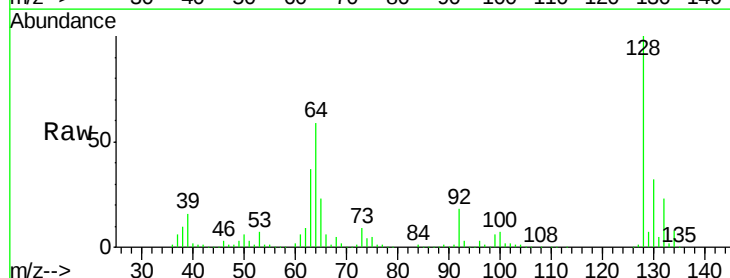
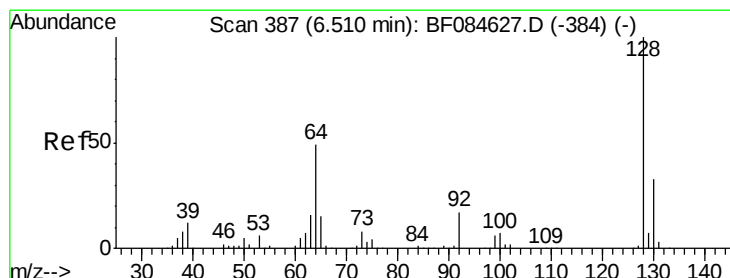
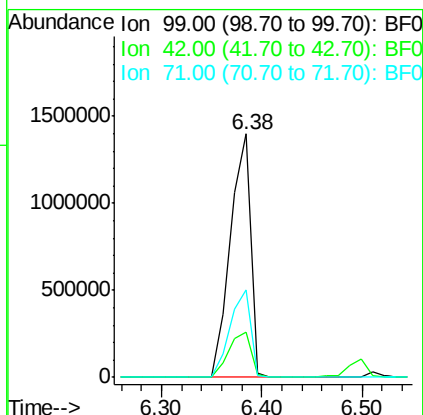
BNA_F

ClientSampleId :

WESTWALL-UST-115MSD

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#8

2-Chlorophenol

Concen: 42.33 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

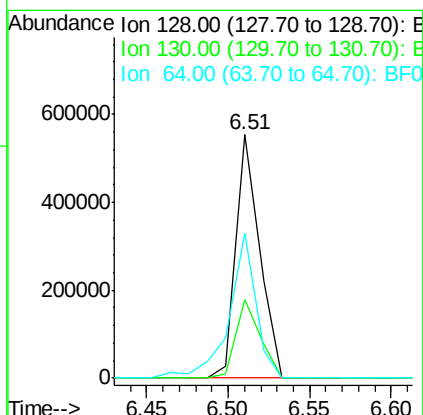
Tgt Ion:128 Resp: 550655

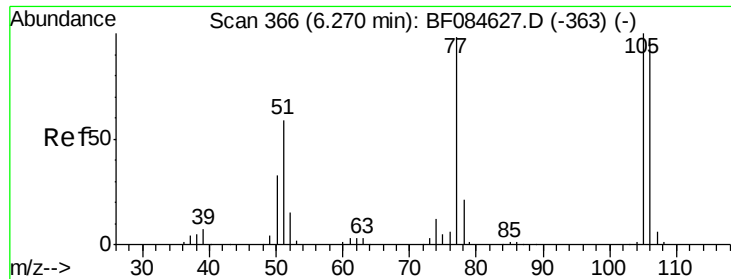
Ion Ratio Lower Upper

128 100

130 32.2 11.6 51.6

64 59.3 23.8 63.8





#9

Benzaldehyde

Concen: 3.50 ng

RT: 6.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: BF084676.D

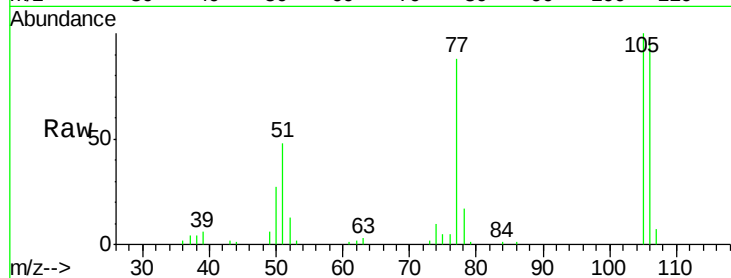
Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

ClientSampleId :

WESTWALL-UST-115MSD



Tot Ion: 77 Resp: 28464

Ion Ratio Lower Upper

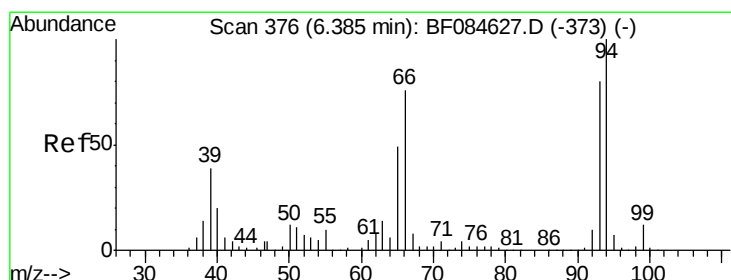
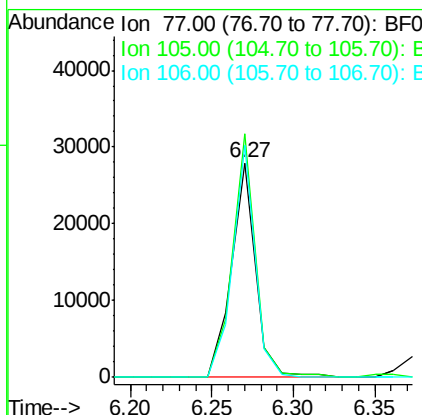
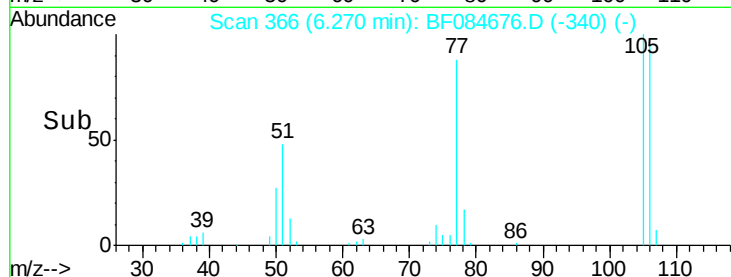
77 100

105 113.6 83.0 123.0

106 108.3 74.6 114.6

Manual Integrations
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#10

Phenol

Concen: 53.43 ng

RT: 6.40 min Scan# 377

Delta R.T. 0.01 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

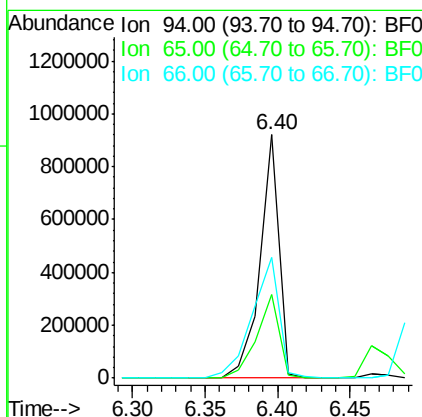
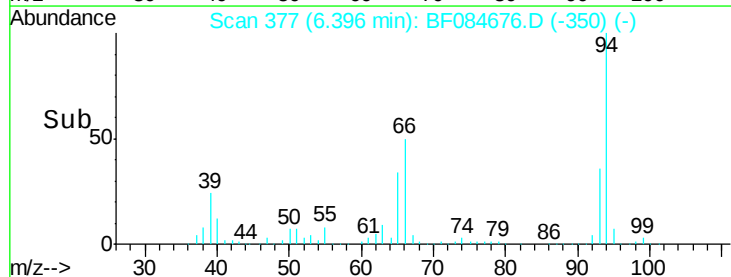
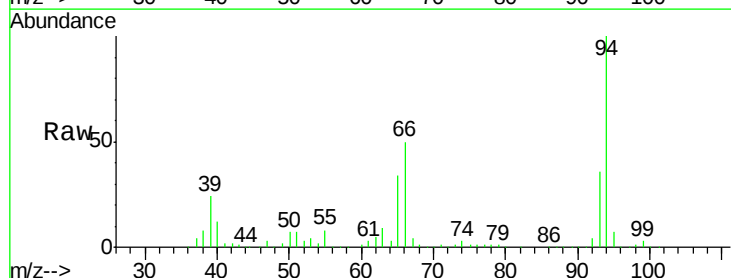
Tgt Ion: 94 Resp: 836983

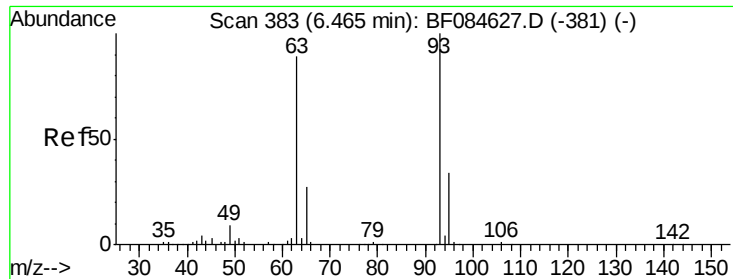
Ion Ratio Lower Upper

94 100

65 34.3 12.9 52.9

66 49.6 32.7 72.7





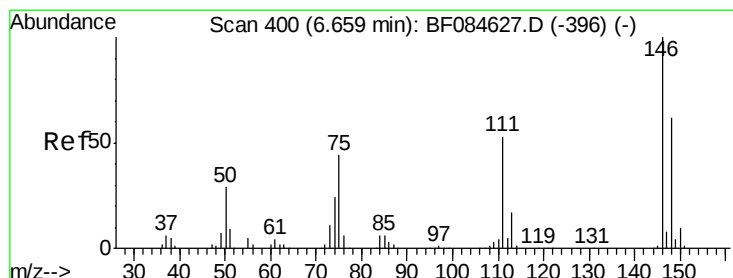
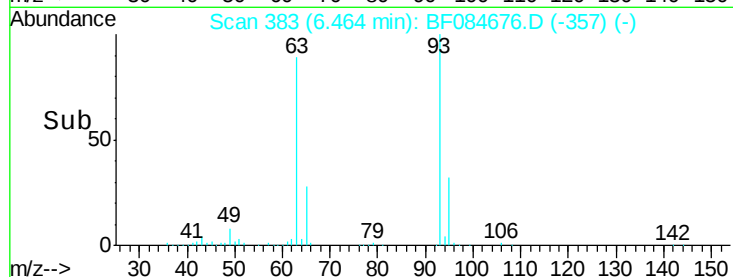
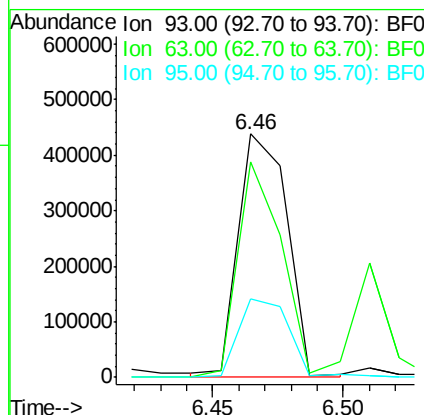
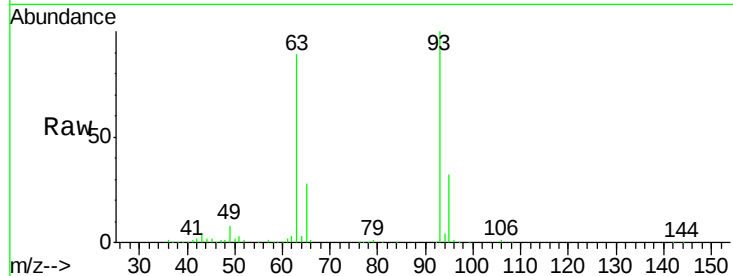
#11
bis(2-Chloroethyl)ether
Concen: 47.40 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		577503		
63	88.6	45.9		85.9#	
95	32.2	12.3		52.3	

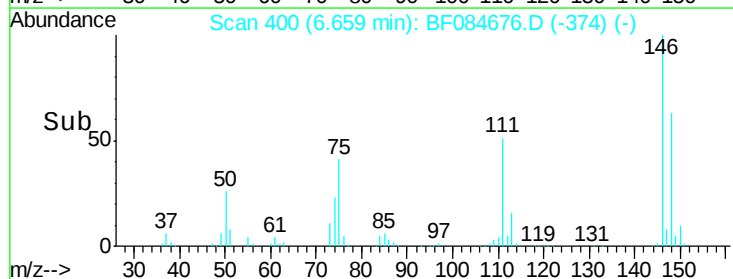
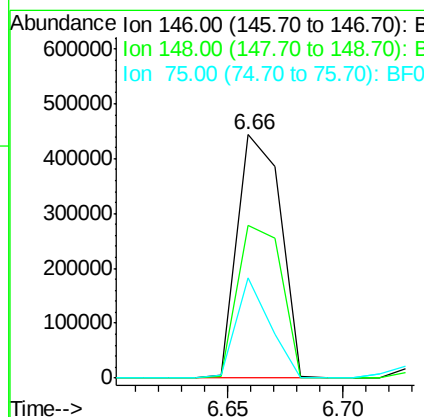
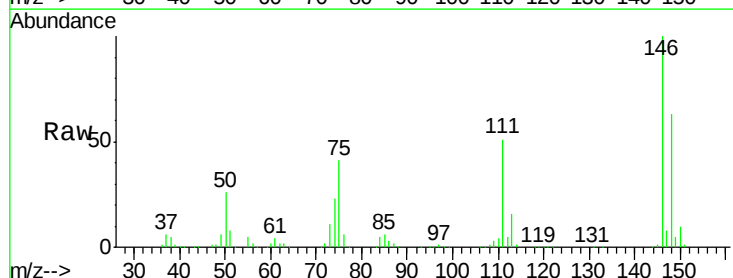
Manual Integrations
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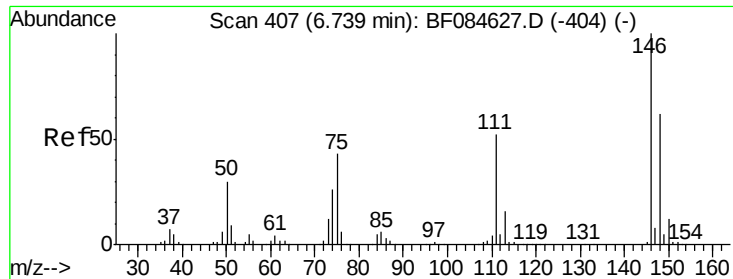
mohammad
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#12
1,3-Dichlorobenzene
Concen: 41.27 ng m
RT: 6.66 min Scan# 400
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		575156		
148	62.7	51.9		77.9	
75	41.1	20.5		30.7#	





#13

1,4-Dichlorobenzene

Concen: 41.54 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

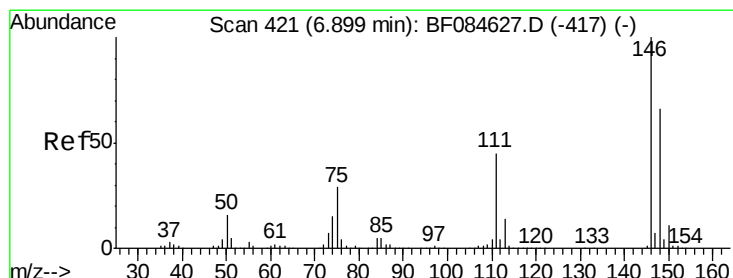
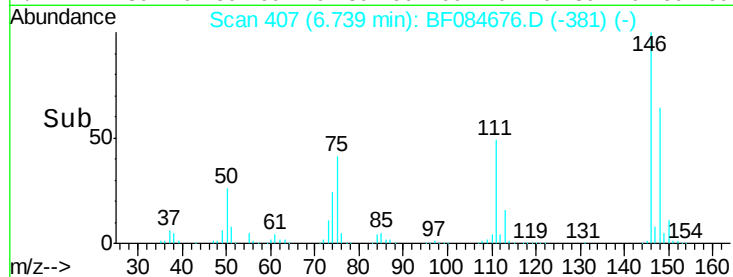
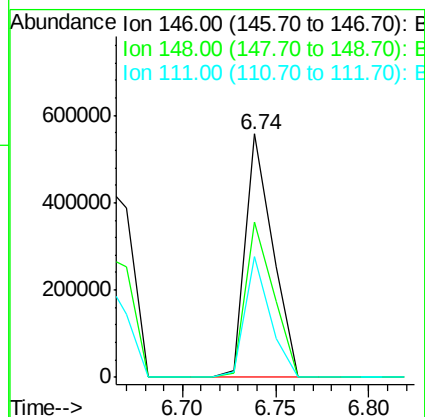
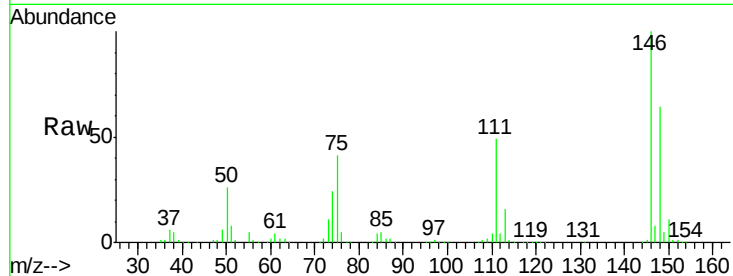
ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion:	146	Resp:	568232
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.9	77.9
111	49.4	41.6	62.4

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 47.12 ng

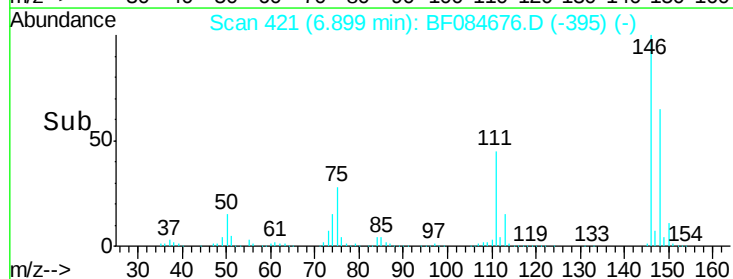
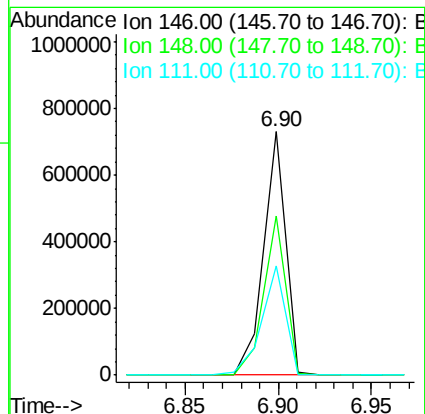
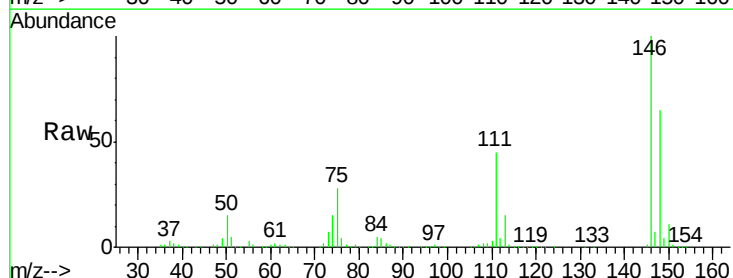
RT: 6.90 min Scan# 421

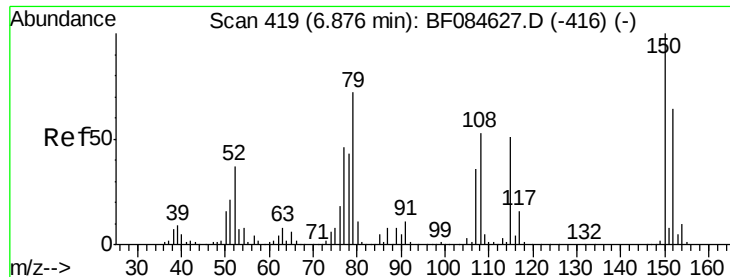
Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Tgt Ion:	146	Resp:	593410
Ion Ratio	Lower	Upper	
146	100		
148	65.3	51.6	77.4
111	44.8	38.0	57.0





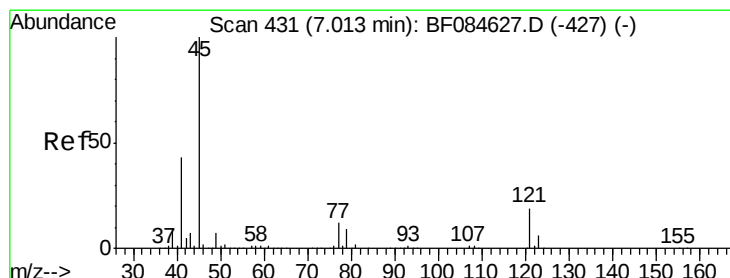
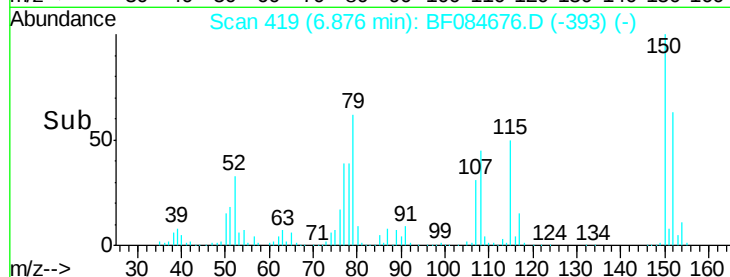
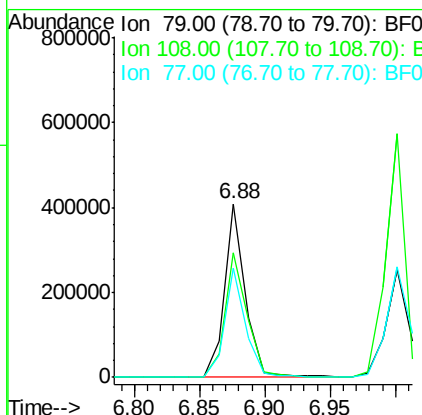
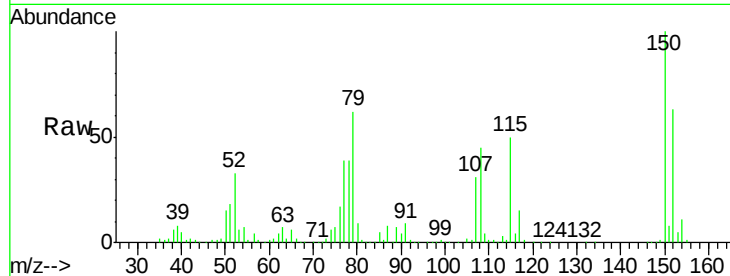
#15
Benzyl Alcohol
Concen: 47.69 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
108	71.9	69.0	103.4		
77	62.6	50.0	75.0		

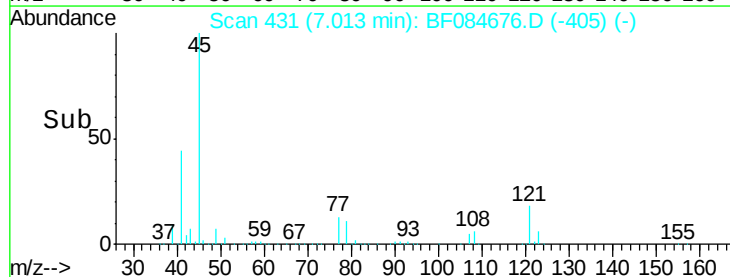
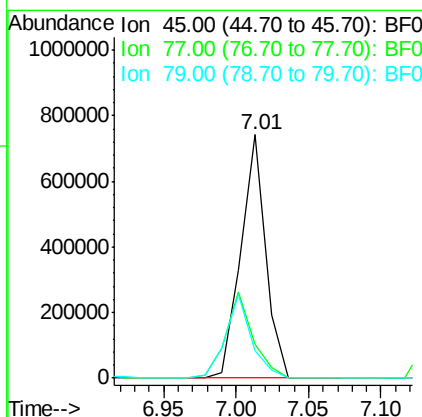
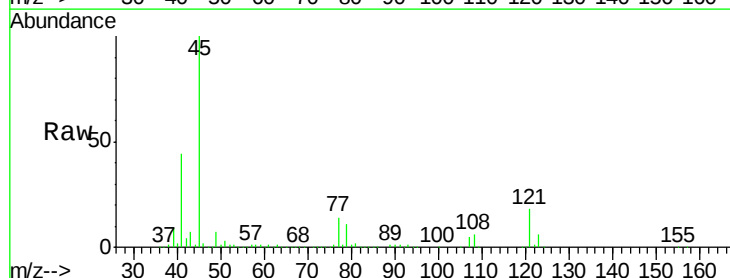
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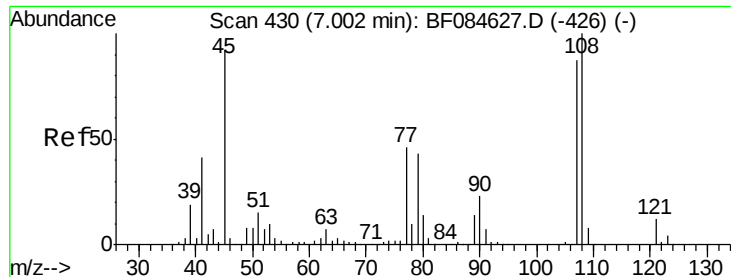
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.08 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100				
77	14.0	0.0	39.6		
79	11.4	0.0	35.0		





#17

2-Methylphenol

Concen: 50.40 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

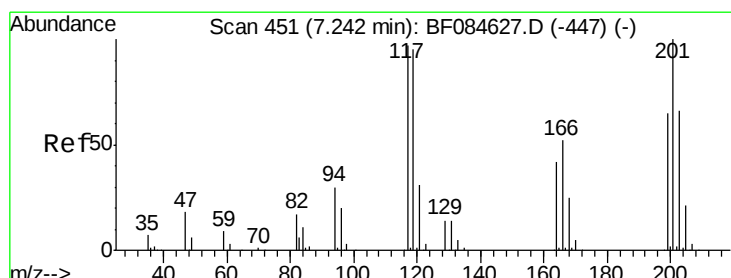
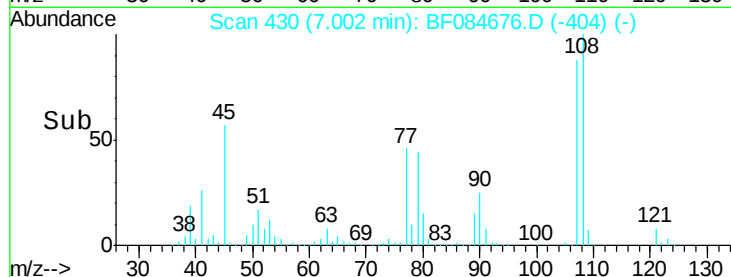
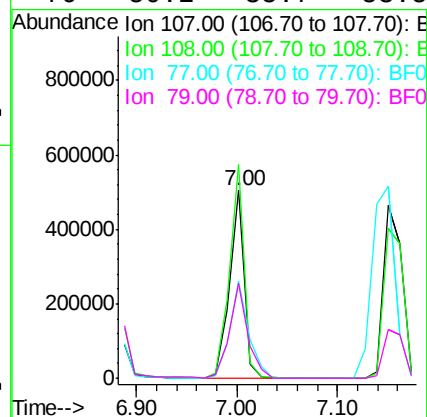
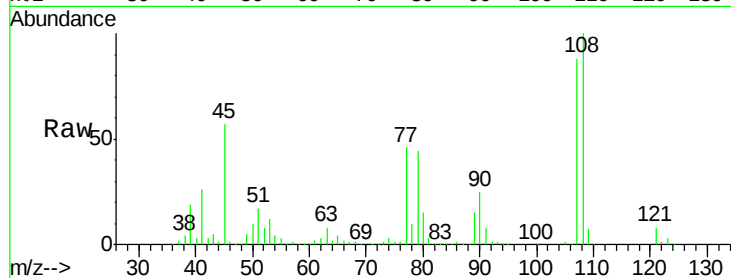
ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.6	89.8	134.6	
77	51.8	35.7	53.5	
79	50.2	35.7	53.5	

Manual Integrations
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#18

Hexachloroethane

Concen: 43.34 ng

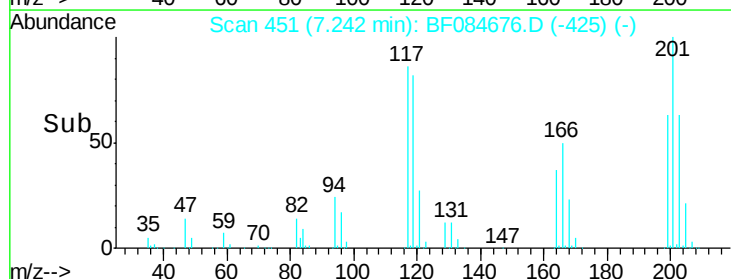
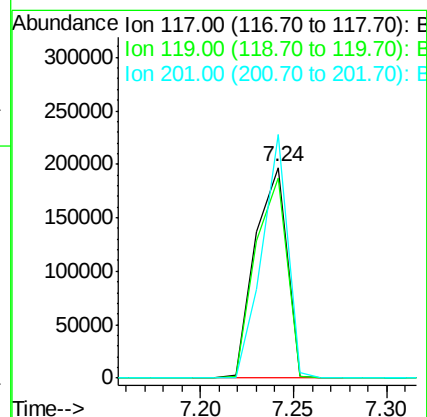
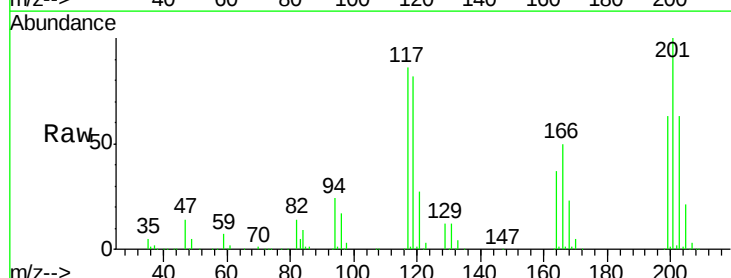
RT: 7.24 min Scan# 451

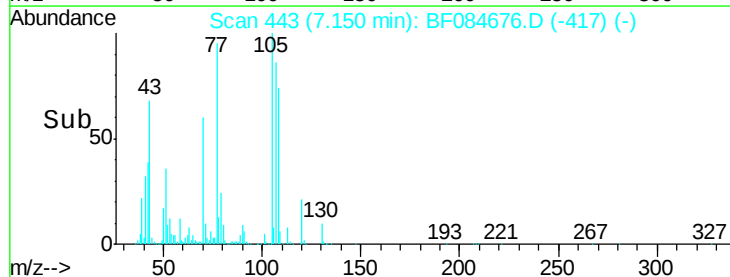
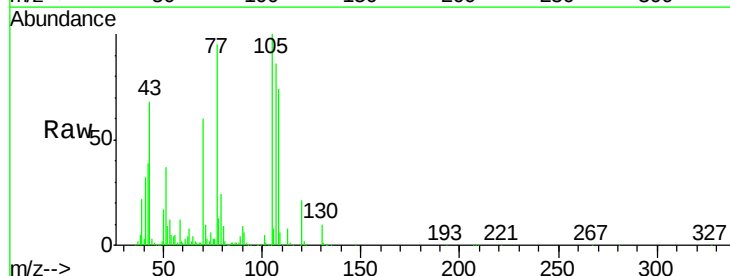
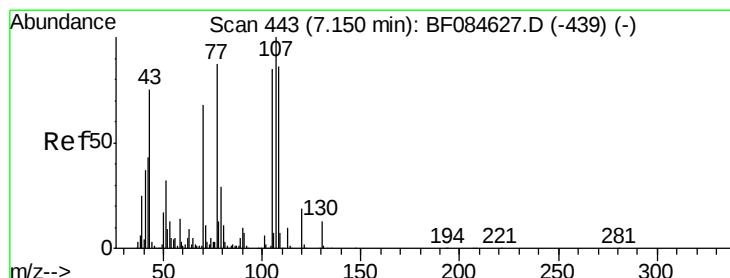
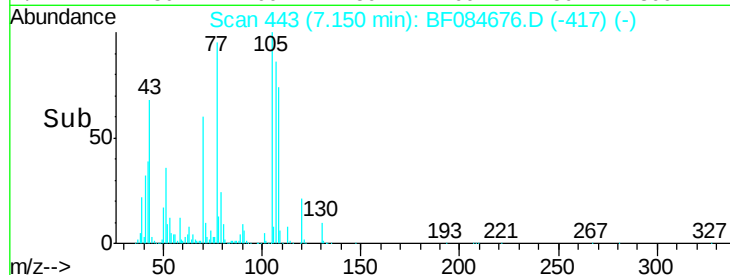
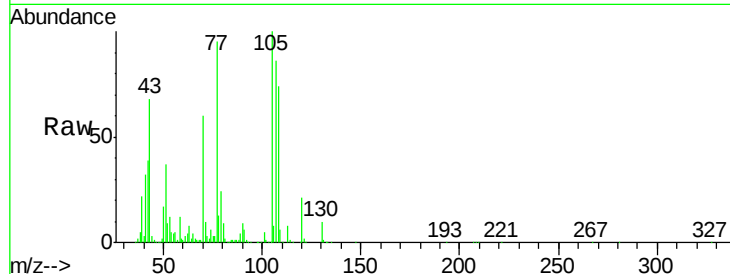
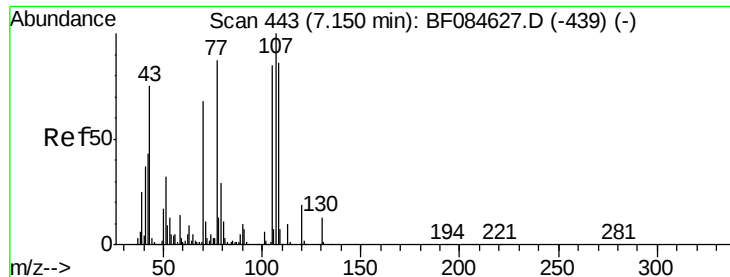
Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.3	77.4	116.0	
201	115.7	68.6	103.0	





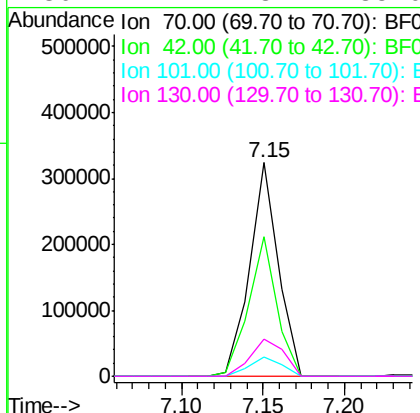
#19
n-Nitroso-di-n-propylamine
Concen: 45.96 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	65.2	33.3	49.9#
101	9.1	9.3	13.9#
130	17.4	23.4	35.0#

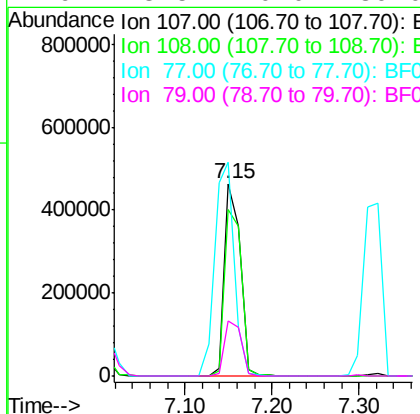
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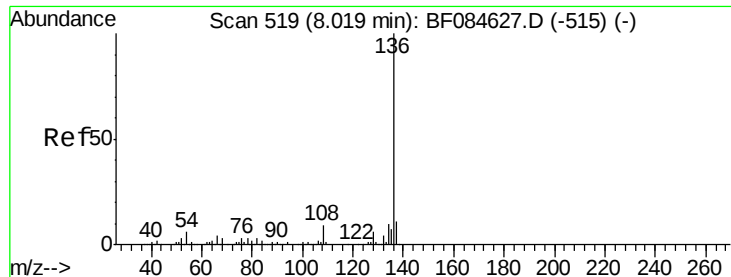
mohammad
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#20
3+4-Methylphenols
Concen: 48.73 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.5	74.6	114.6
77	111.1	0.7	40.7#
79	28.5	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

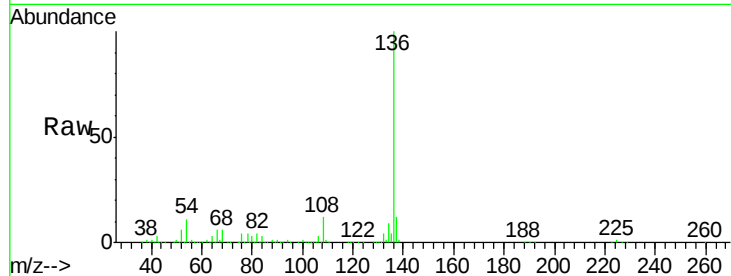
ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		708319		
137	11.6	8.7	13.1		
54	10.7	5.8	8.8#		
68	5.8	4.2	6.2		

Manual Integrations
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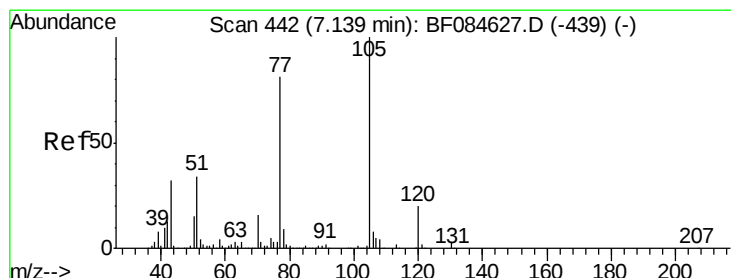
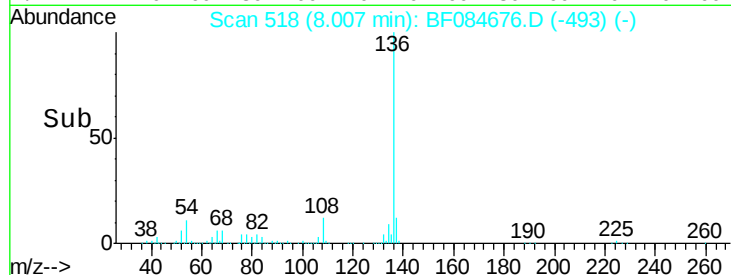
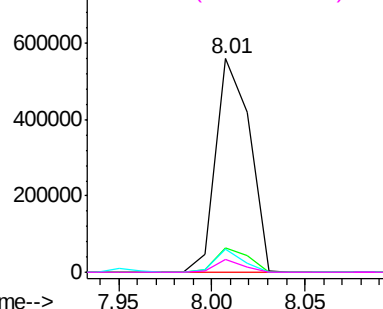
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 46.12 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		853198		
71	3.0	3.7	5.5#		
51	32.0	25.1	37.7		
120	20.2	16.6	25.0		

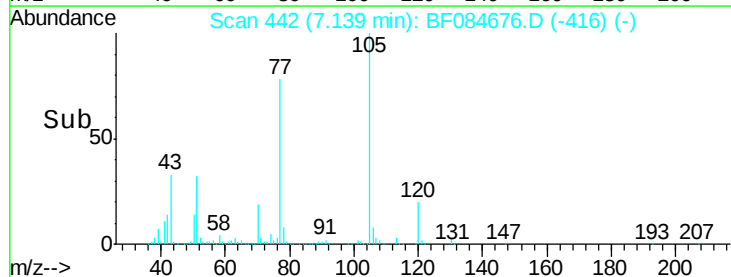
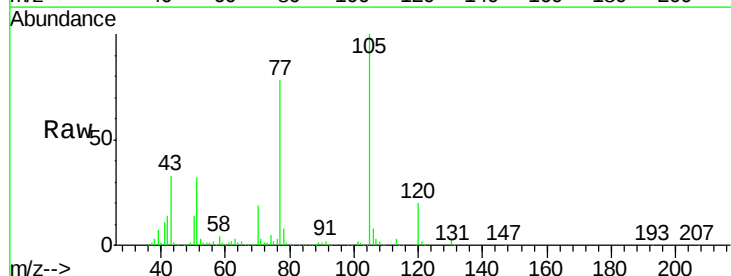
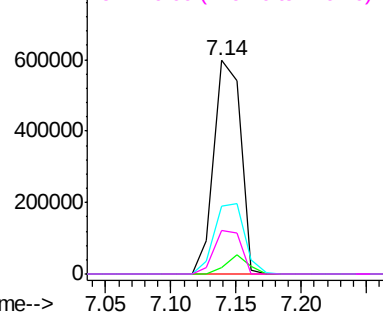
Abundance

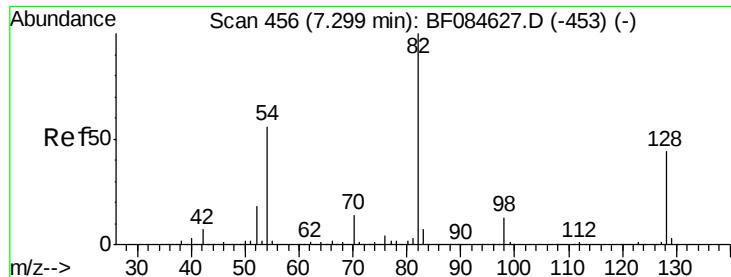
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





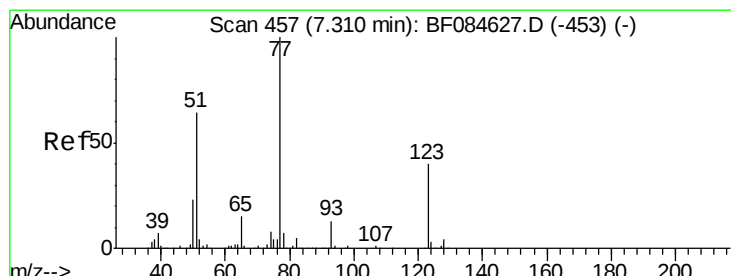
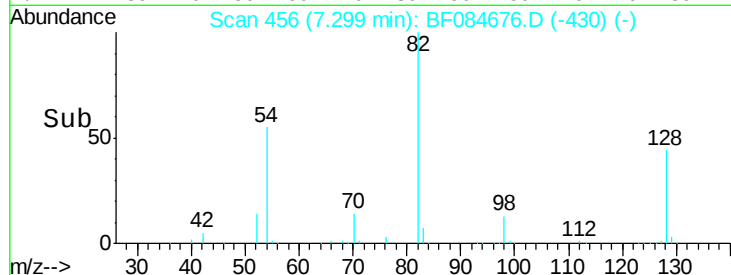
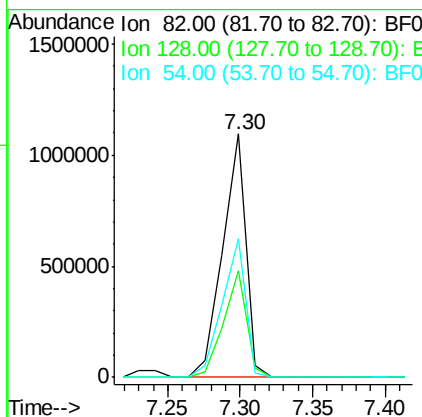
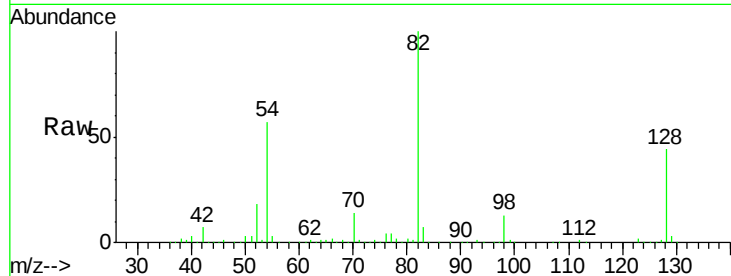
#23
 Nitrobenzene-d5
 Concen: 96.01 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-UST-115MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	51.8
54	56.7	38.4	57.6

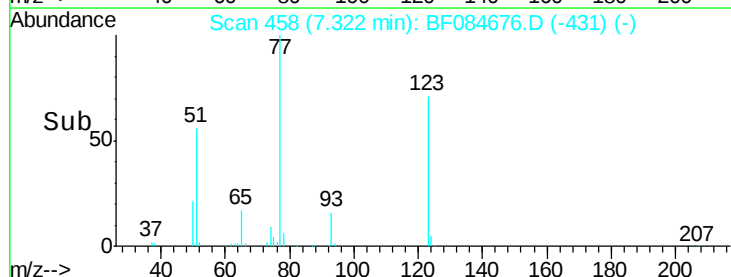
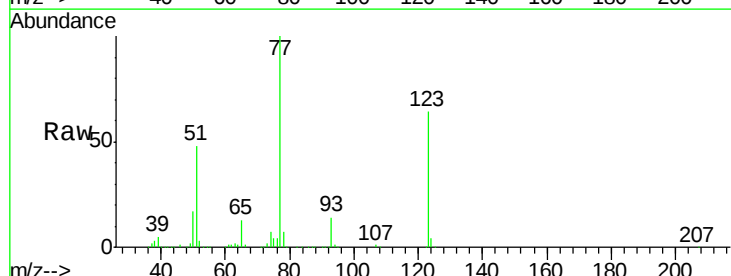
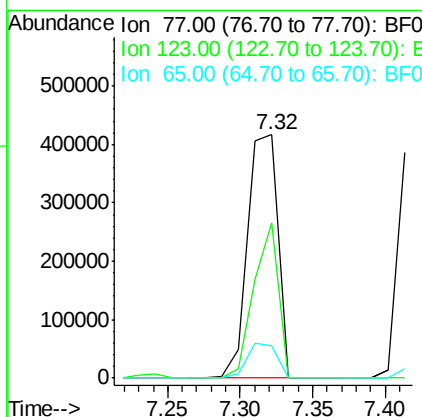
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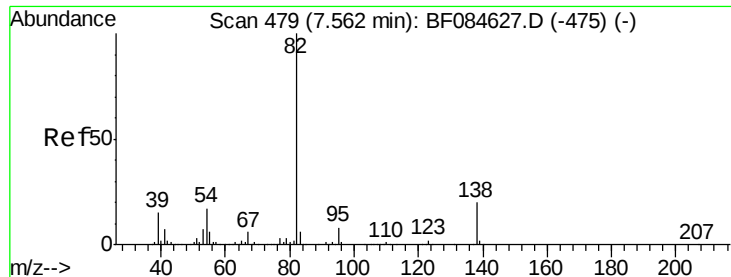
mohammad
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#24
 Nitrobenzene
 Concen: 44.70 ng
 RT: 7.32 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Lower	Upper
77	100		
123	63.6	37.4	56.2#
65	13.2	10.9	16.3





#25

Isophorone

Concen: 49.03 ng

RT: 7.56 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion: 82 Resp: 1164187

Ion Ratio Lower Upper

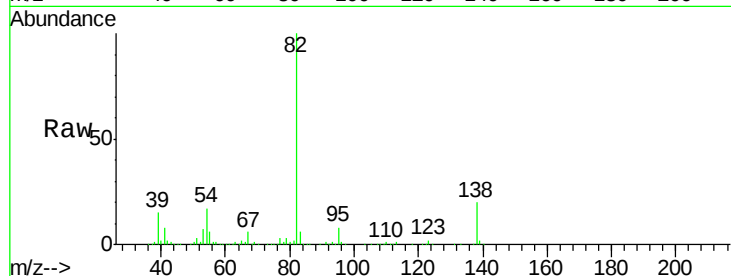
82 100

95 7.7 6.6 10.0

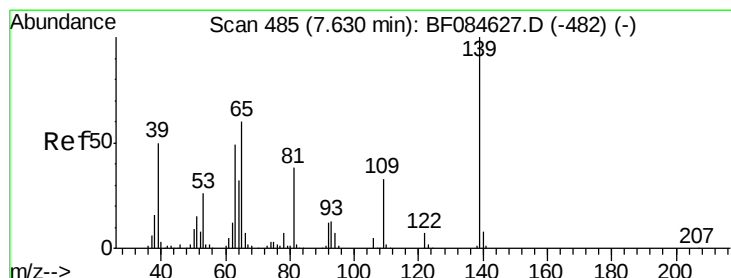
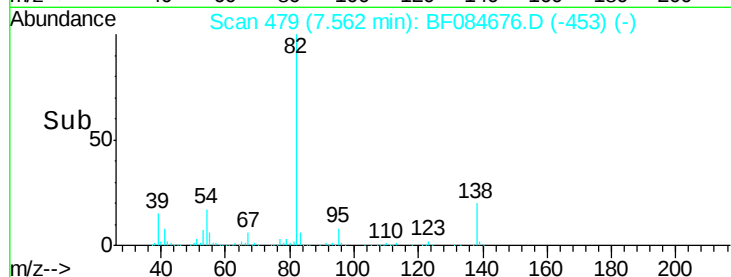
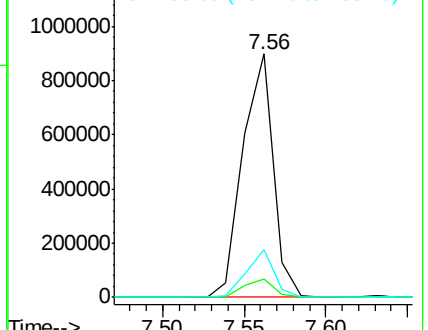
138 19.5 13.6 20.4

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 48.12 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

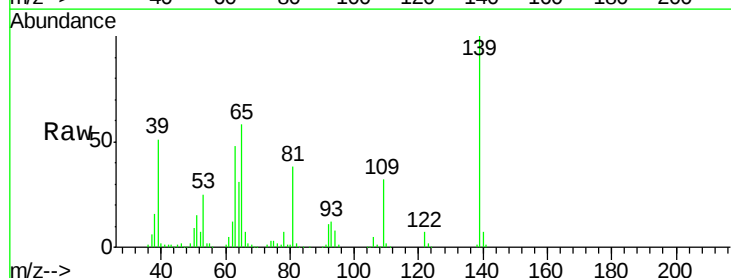
Tgt Ion: 139 Resp: 308256

Ion Ratio Lower Upper

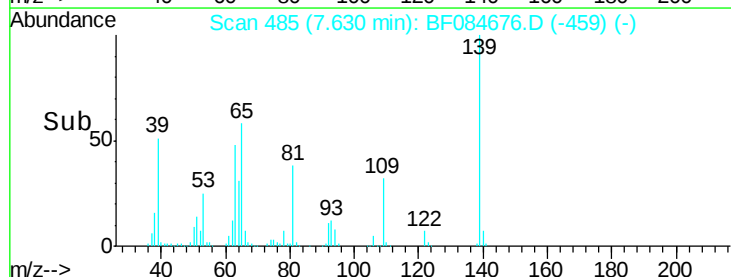
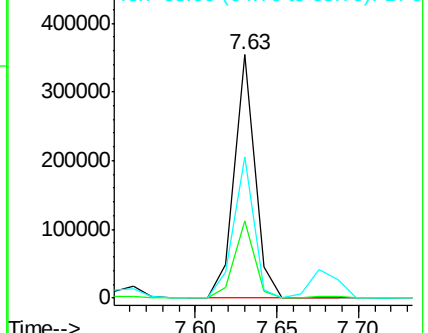
139 100

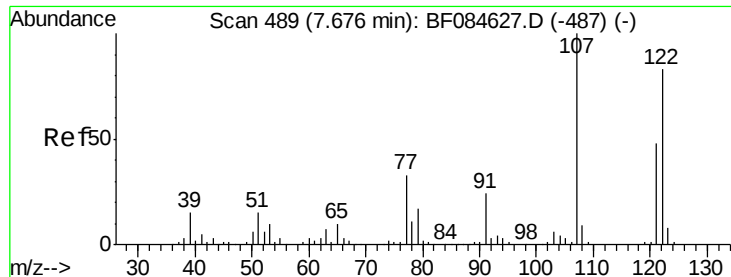
109 31.8 25.4 38.2

65 58.2 32.3 48.5#



Abundance Ion 139.00 (138.70 to 139.70): BF0
Ion 109.00 (108.70 to 109.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





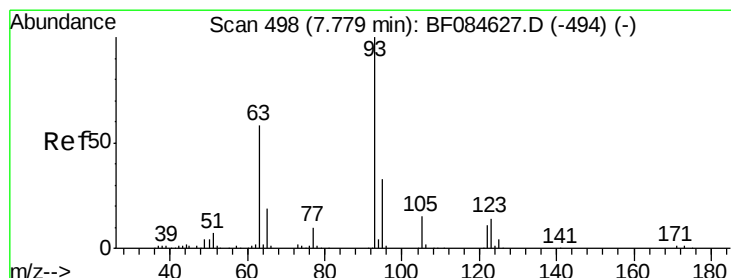
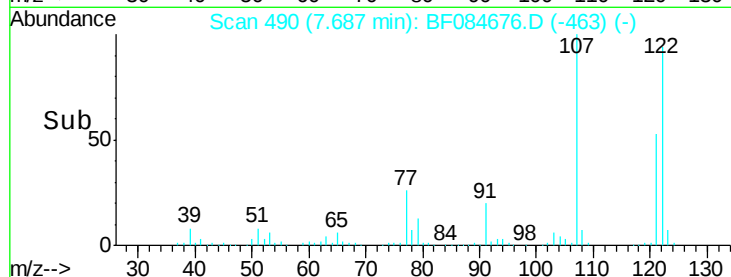
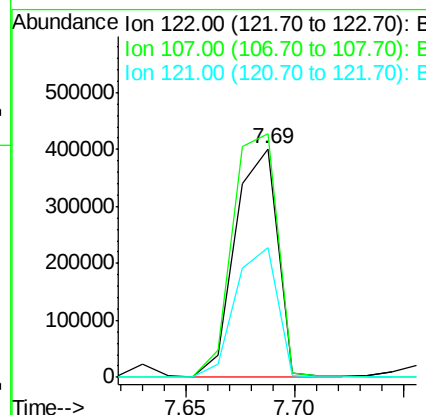
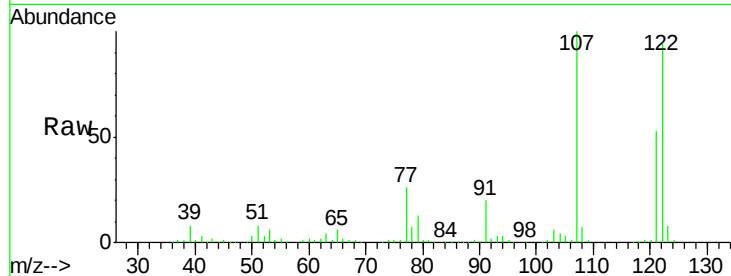
#27
 2,4-Dimethylphenol
 Concen: 48.57 ng
 RT: 7.69 min Scan# 490
 Delta R.T. 0.01 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-UST-115MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	545183		
107	106.5	99.1	148.7	
121	56.6	47.9	71.9	

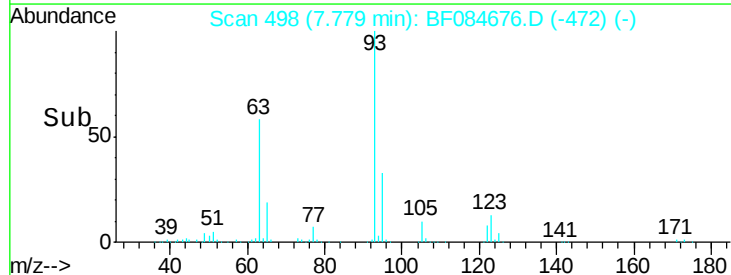
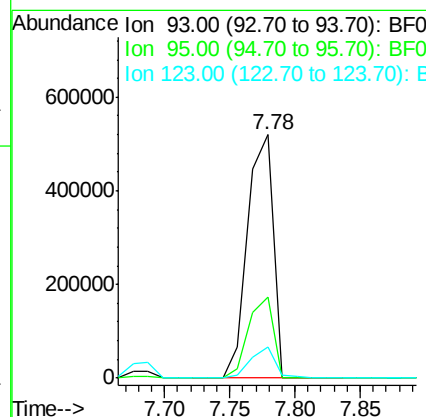
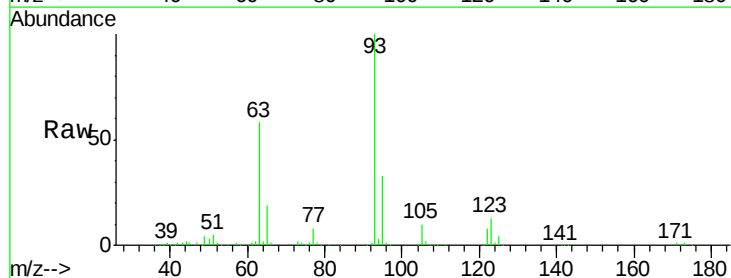
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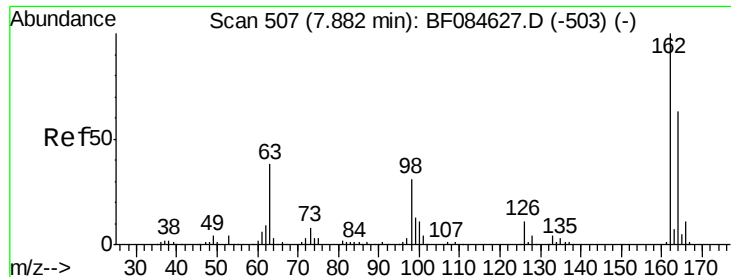
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 49.86 ng
 RT: 7.78 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	710586		
95	33.2	25.8	38.6	
123	13.0	8.6	12.8#	





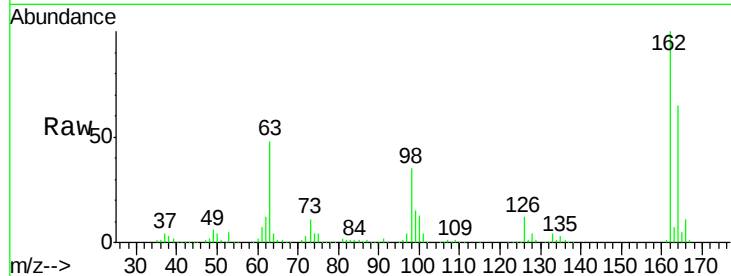
#29
2,4-Dichlorophenol
Concen: 52.24 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

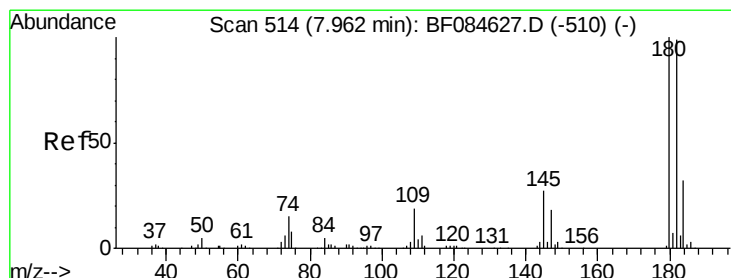
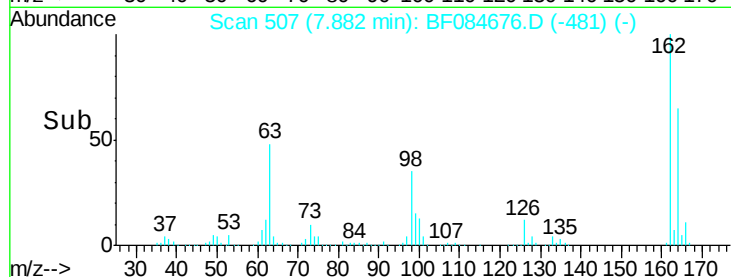
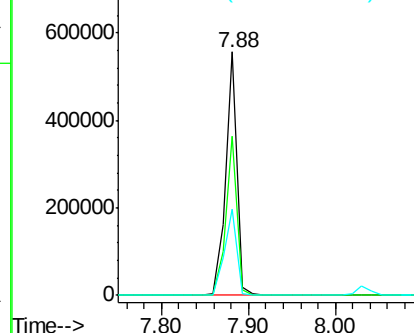
Tot Ion	Ratio	Resp	Lower	Upper
162	100	512932		
164	65.4	44.1	84.1	
98	35.5	20.2	60.2	

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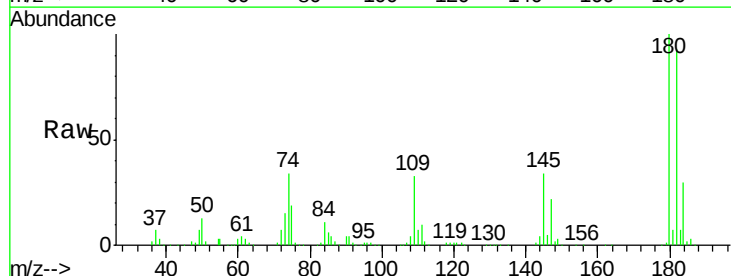


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

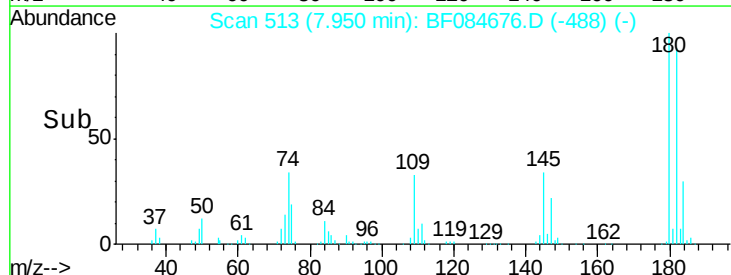
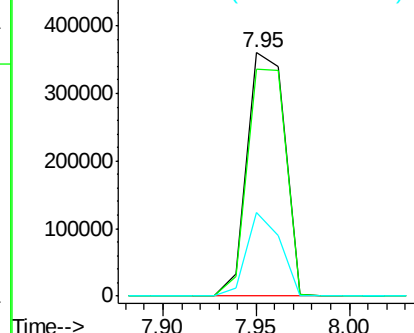


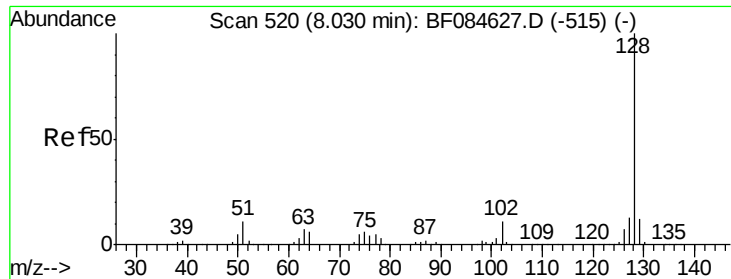
#30
1,2,4-Trichlorobenzene
Concen: 44.91 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.01 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	504267		
182	93.2	76.4	114.6	
145	34.5	31.6	47.4	



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





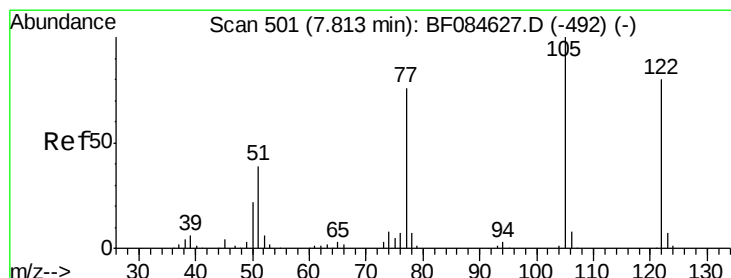
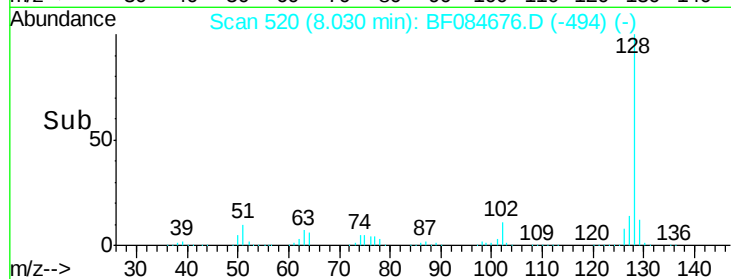
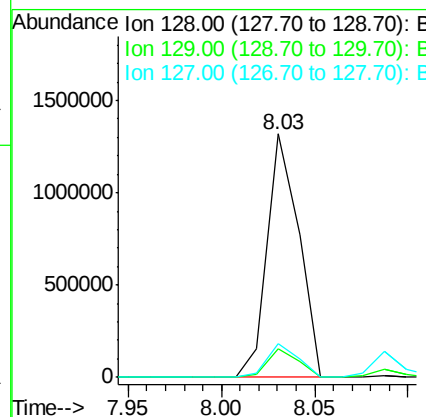
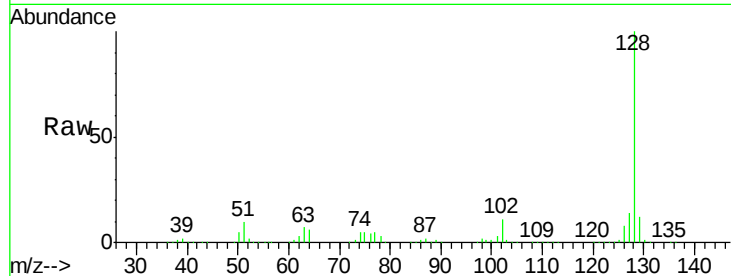
#31
Naphthalene
Concen: 43.07 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.1	13.7
127	13.6	11.1	16.7

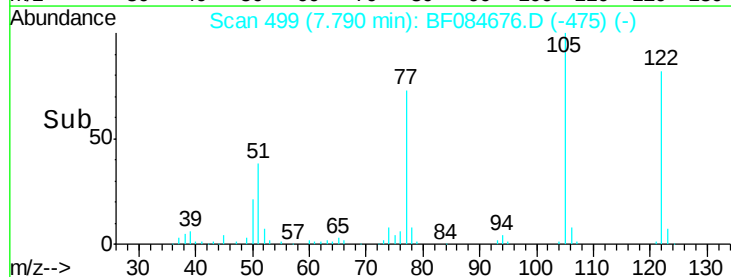
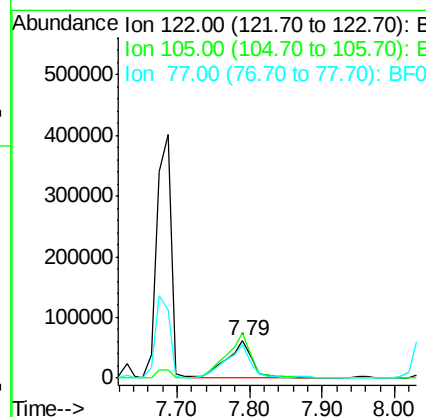
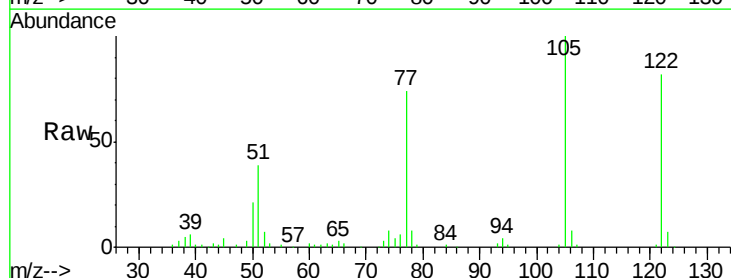
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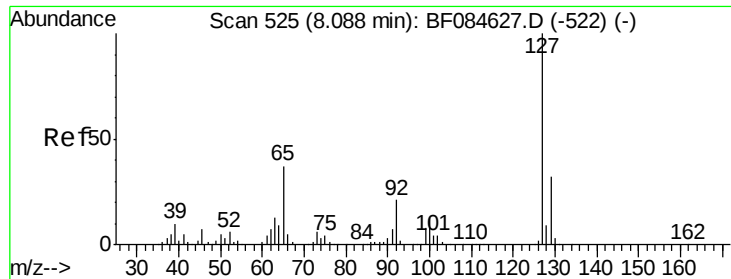
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#32
Benzoic acid
Concen: 17.60 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.02 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.3	100.3	140.3
77	90.7	63.5	103.5





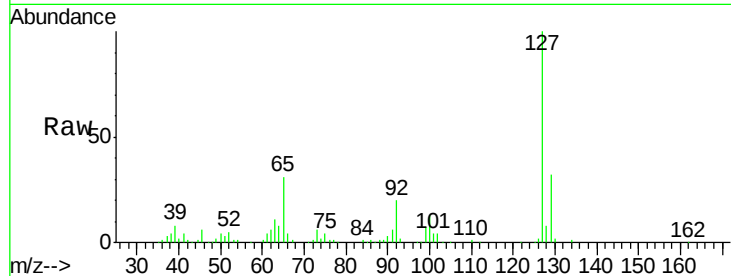
#33
4-Chloroaniline
Concen: 11.42 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

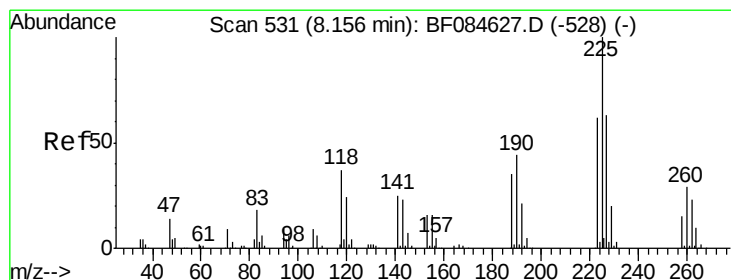
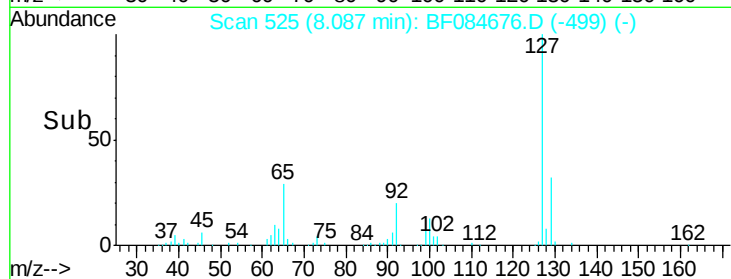
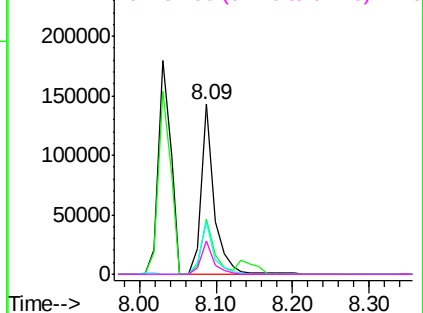
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.2	26.5	39.7		
65	30.9	27.2	40.8		
92	19.5	17.7	26.5		

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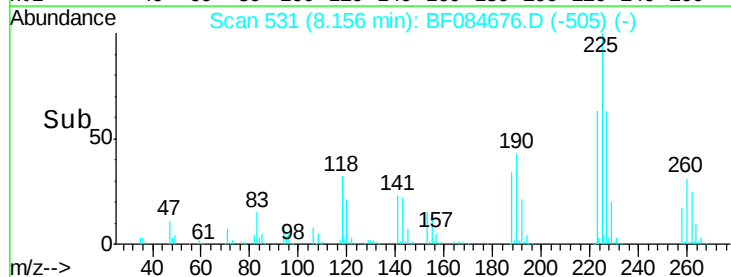
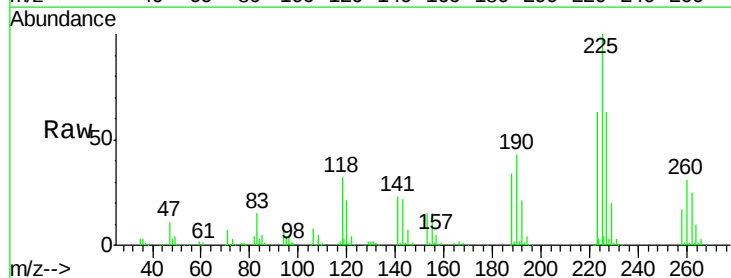
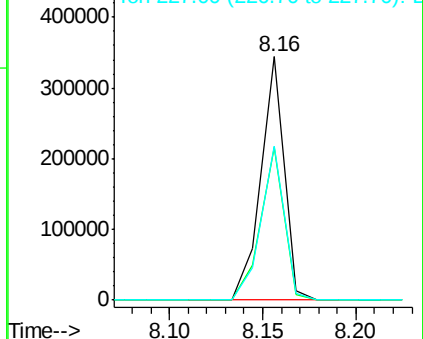
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

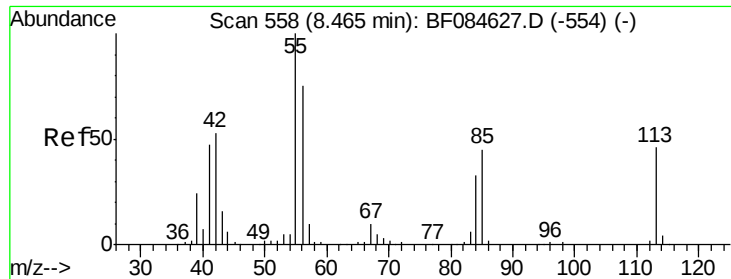


#34
Hexachlorobutadiene
Concen: 44.74 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.7	49.4	74.0		
227	63.2	50.8	76.2		

Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





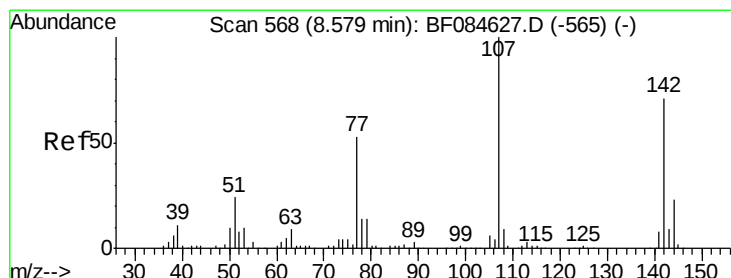
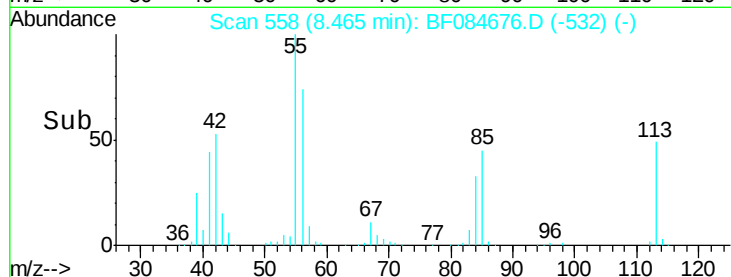
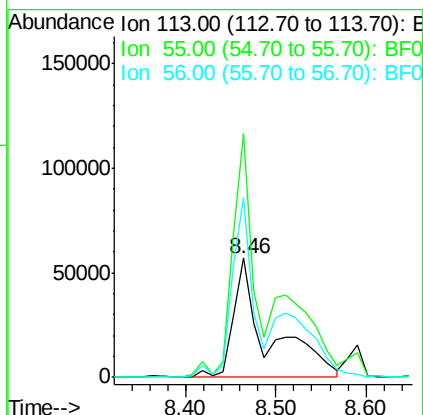
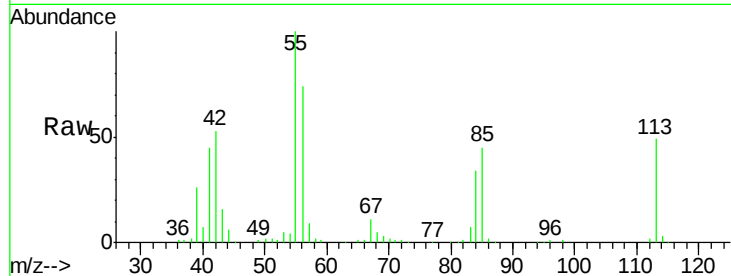
#35
Caprolactam
Concen: 54.24 ng/ml
RT: 8.46 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	204.5	116.9	156.9		
56	150.6	93.8	133.8		

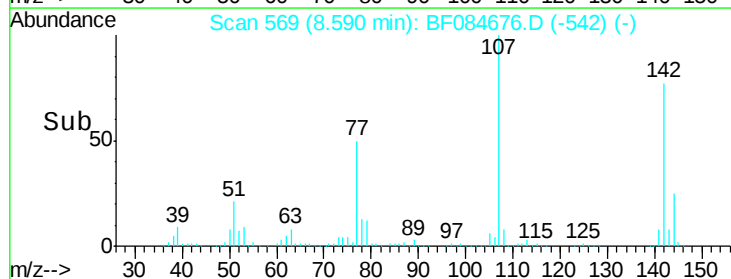
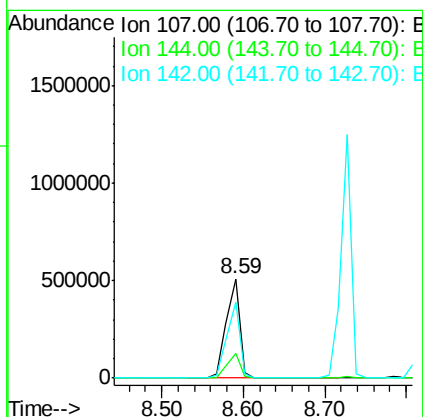
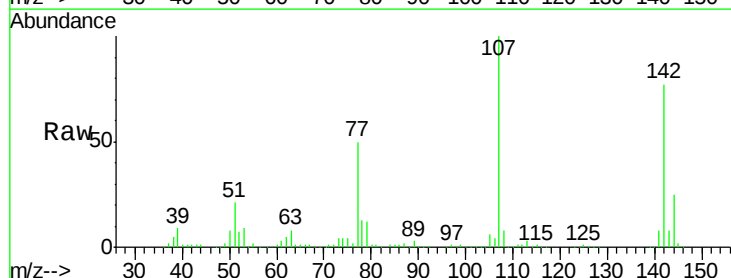
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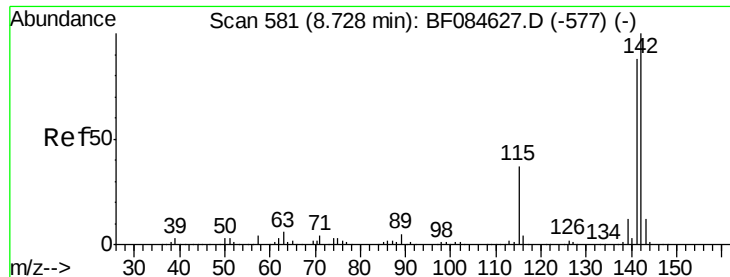
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#36
4-Chloro-3-methylphenol
Concen: 54.11 ng/ml
RT: 8.59 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	24.6	19.7	29.5		
142	76.5	61.8	92.6		





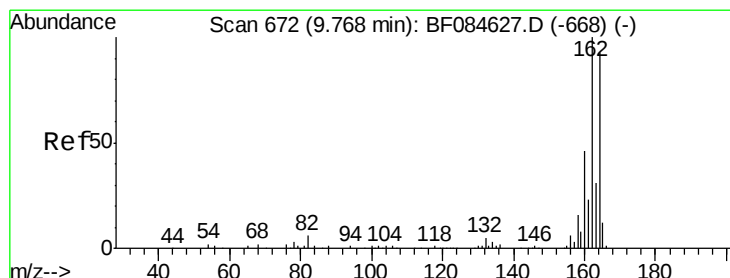
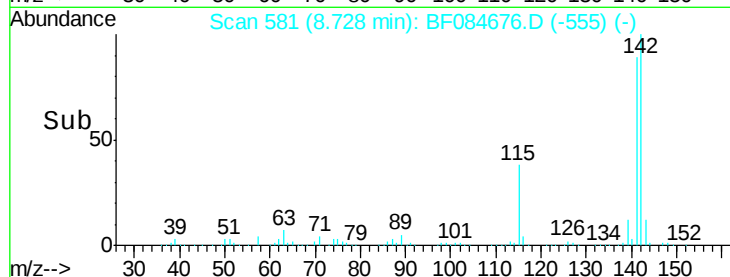
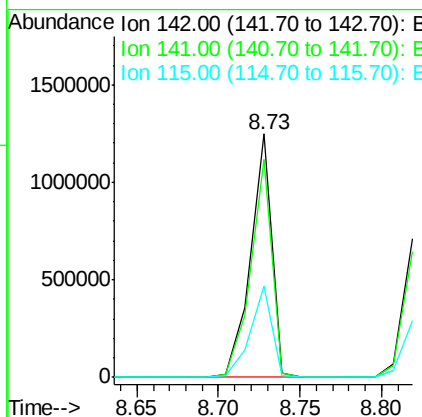
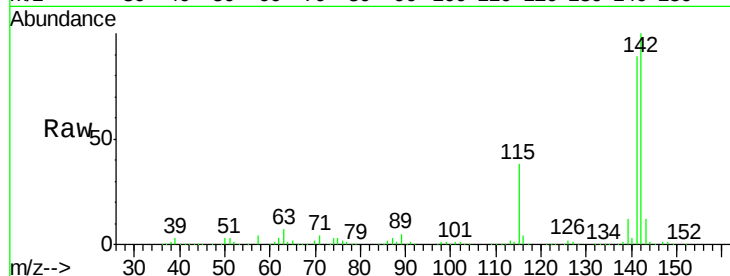
#37
2-Methylnaphthalene
Concen: 51.44 ng
RT: 8.73 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion:142 Resp: 1129174
Ion Ratio Lower Upper
142 100
141 89.5 72.4 108.6
115 37.6 27.9 41.9

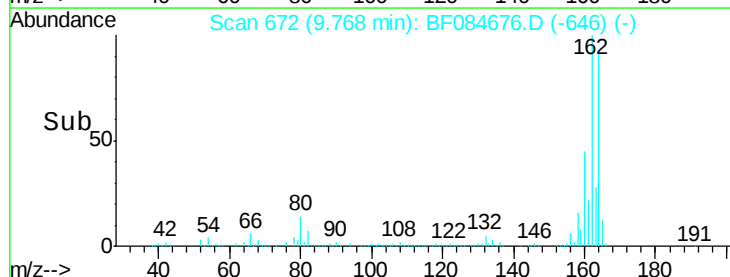
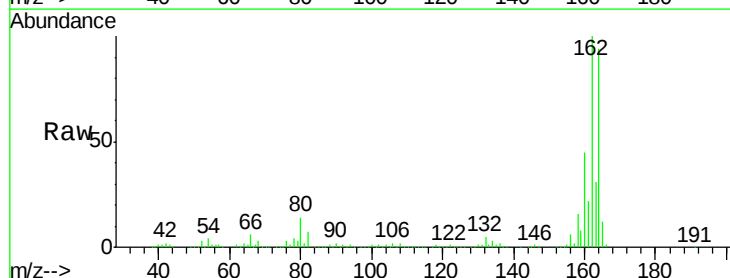
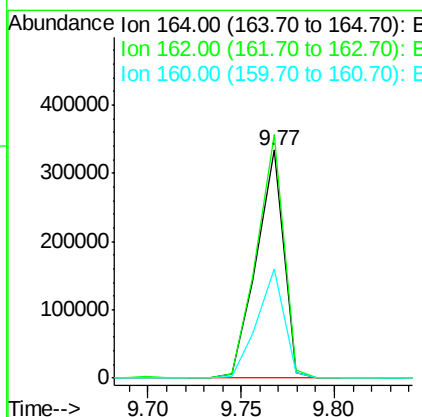
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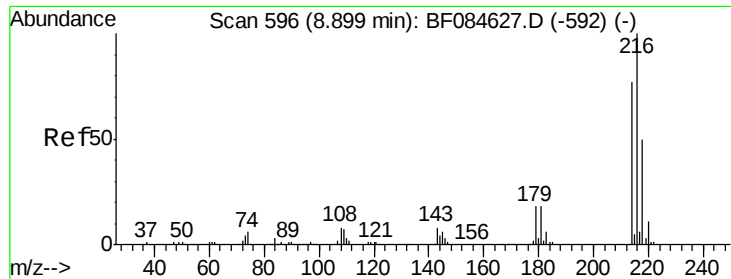
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion:164 Resp: 335929
Ion Ratio Lower Upper
164 100
162 106.7 85.1 127.7
160 47.8 37.5 56.3





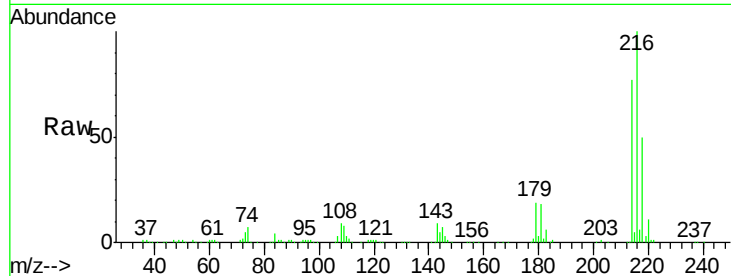
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.75 ng
 RT: 8.90 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-UST-115MSD

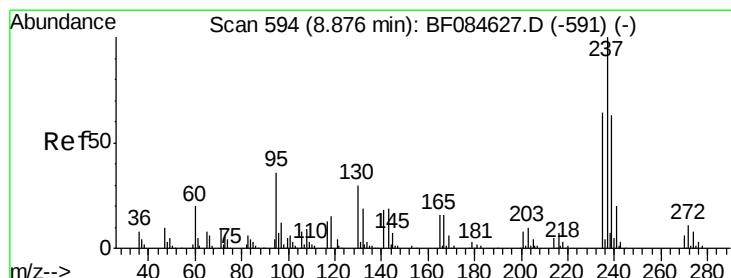
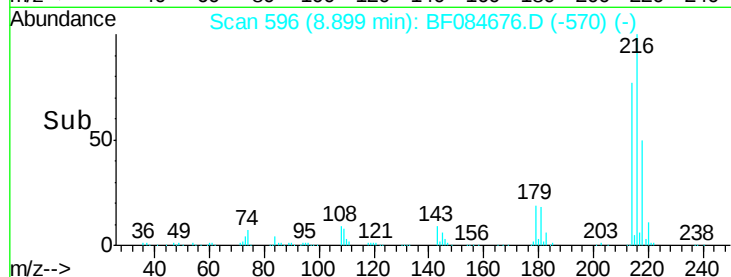
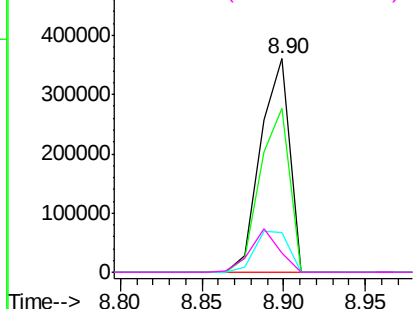
Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		443983		
214	77.9	64.2	96.2		
179	22.3	18.7	28.1		
108	20.4	16.8	25.2		

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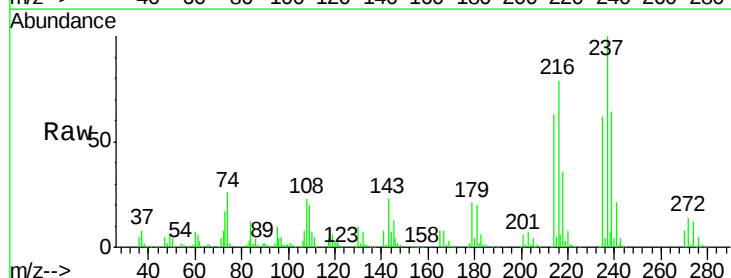


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

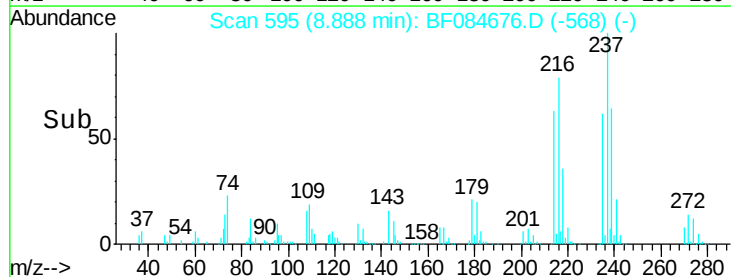
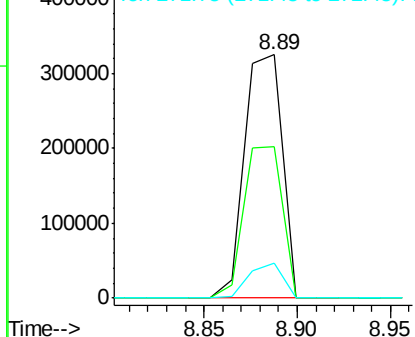


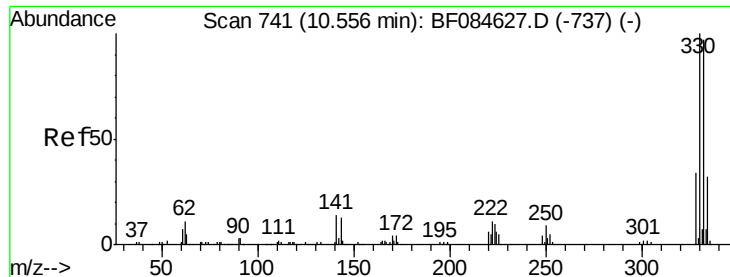
#40
 Hexachlorocyclopentadiene
 Concen: 92.05 ng
 RT: 8.89 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		455936		
235	62.4	43.1	83.1		
272	14.4	0.0	35.1		



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





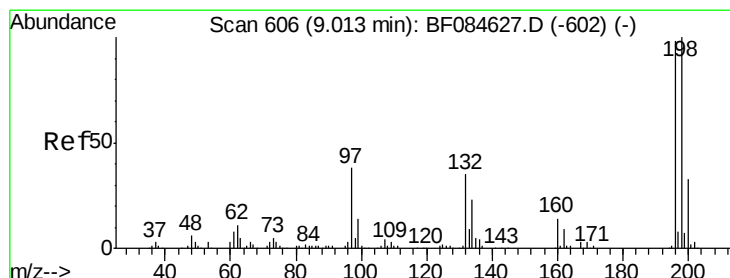
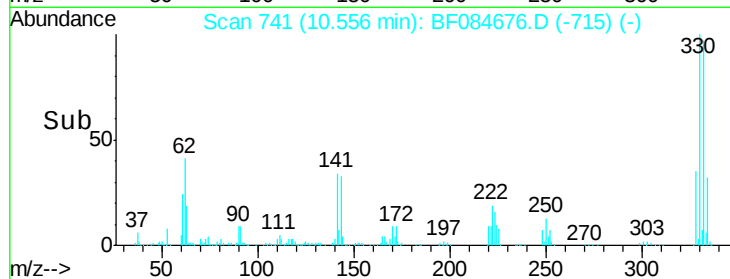
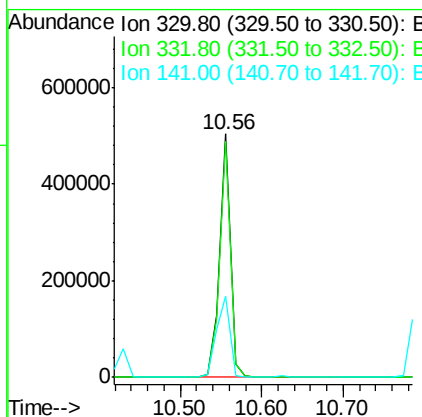
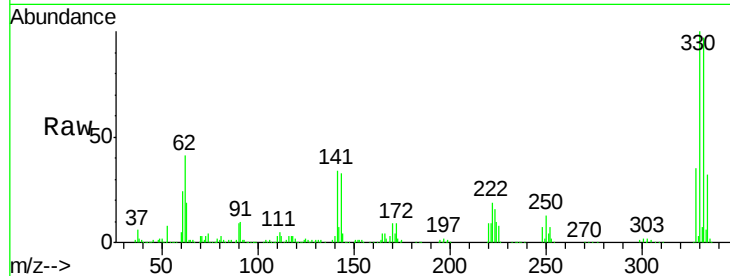
#41
 2,4,6-Tribromophenol
 Concen: 131.98 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-UST-115MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	464673		
332	96.7	76.6	114.8	
141	41.2	27.8	41.6	

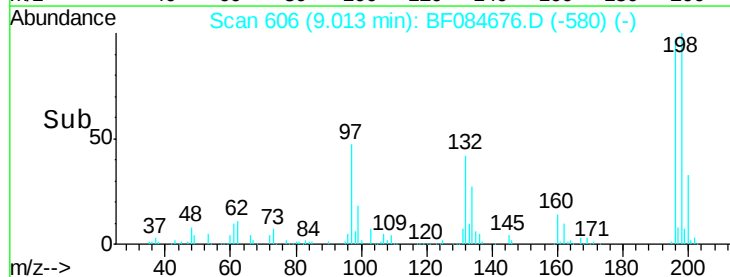
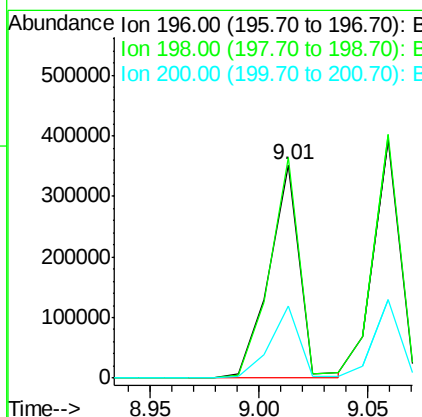
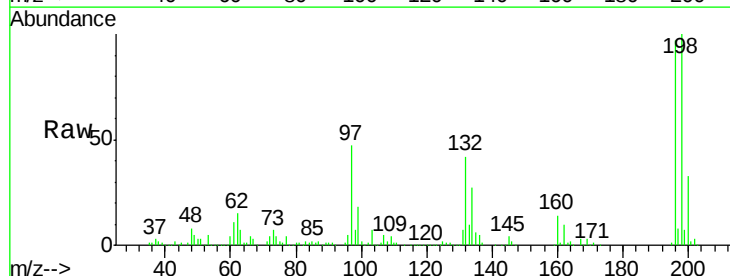
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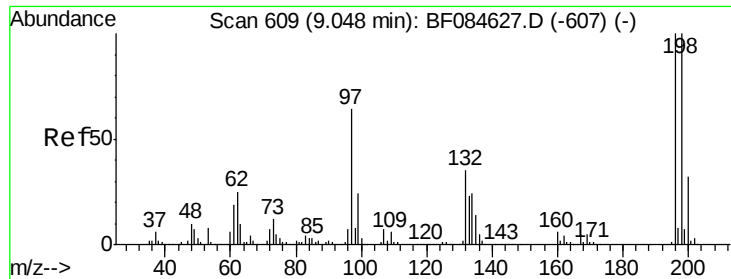
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#42
 2,4,6-Trichlorophenol
 Concen: 50.96 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	344881		
198	103.5	77.7	116.5	
200	33.7	24.6	37.0	





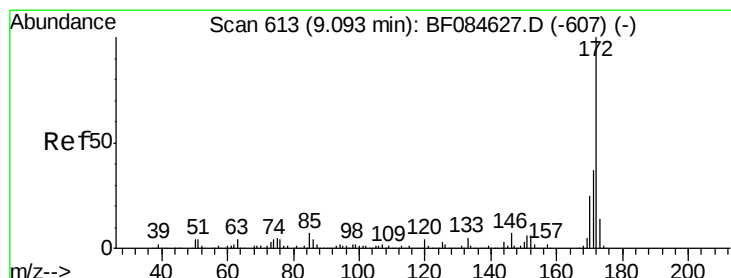
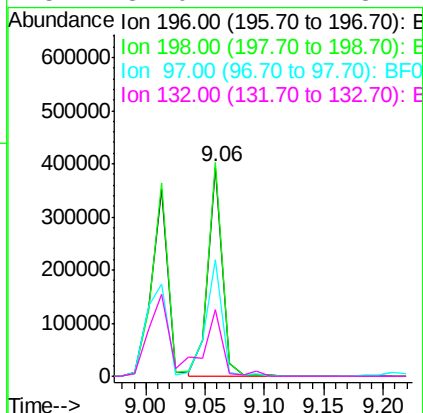
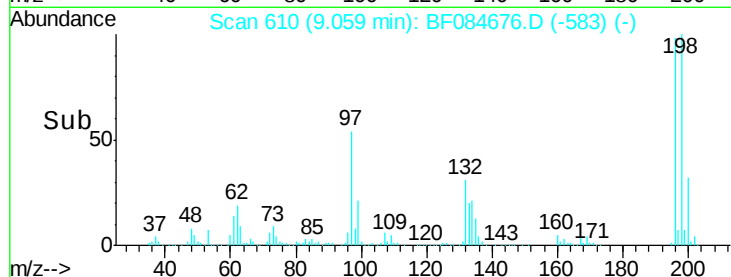
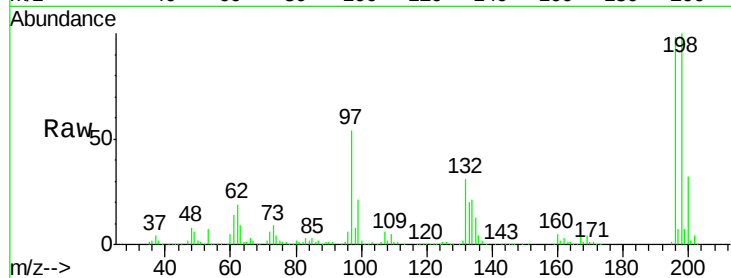
#43
 2,4,5-Trichlorophenol
 Concen: 48.25 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-UST-115MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	102.1	79.0	118.6	
97	55.4	33.0	49.6	
132	32.0	21.1	31.7	

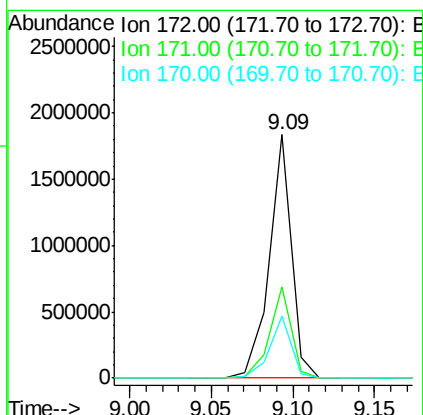
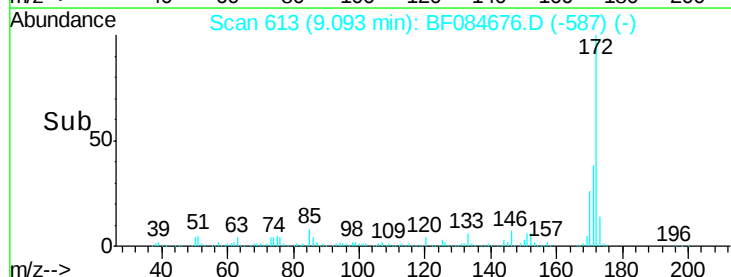
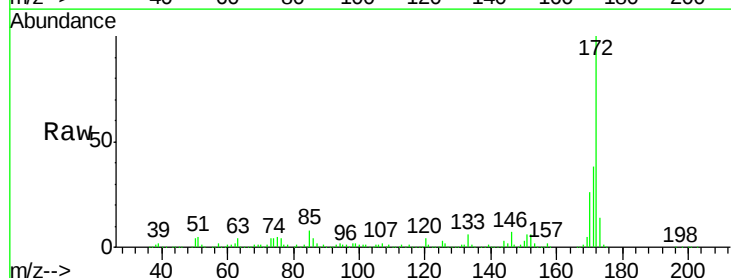
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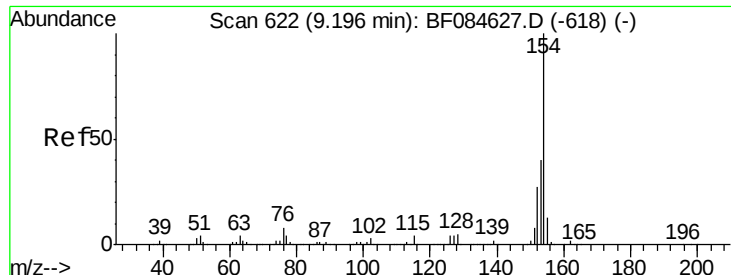
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#44
 2-Fluorobiphenyl
 Concen: 76.99 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.6	28.9	43.3	
170	25.6	18.6	27.8	





#45

1,1'-Biphenyl

Concen: 44.29 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion:154 Resp: 1363493

Ion Ratio Lower Upper

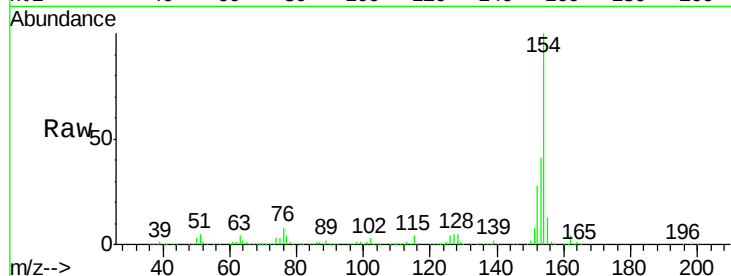
154 100

153 40.6 21.6 61.6

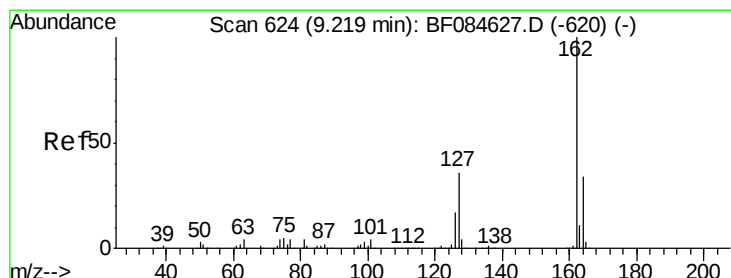
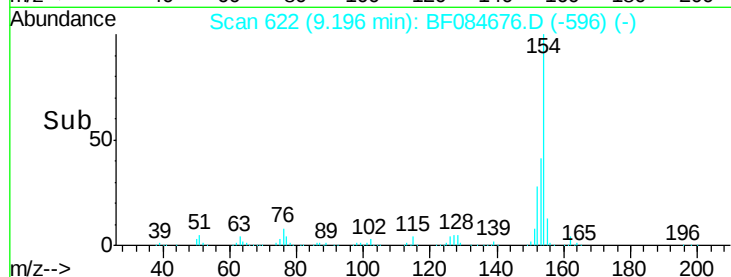
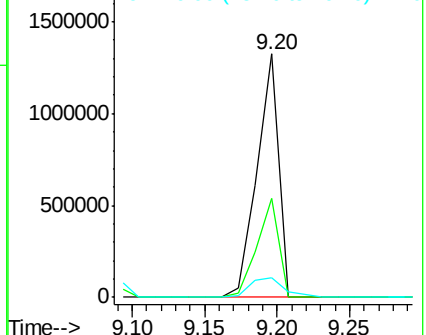
76 8.1 0.0 32.7

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 44.14 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

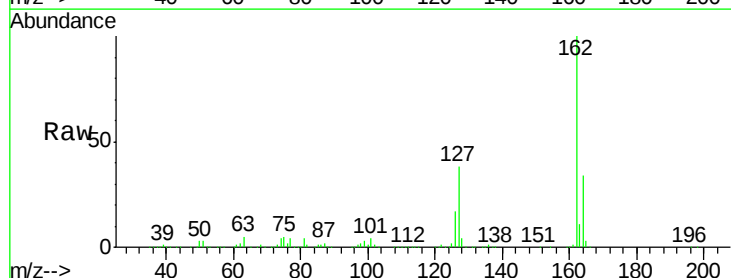
Tgt Ion:162 Resp: 991503

Ion Ratio Lower Upper

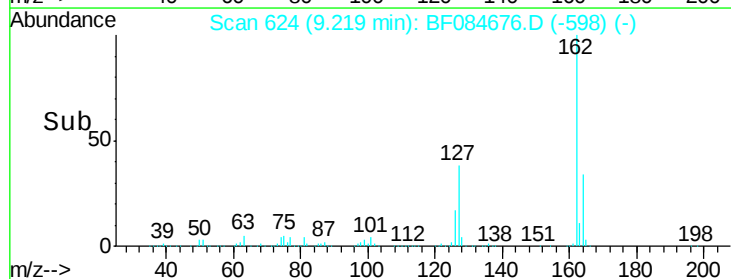
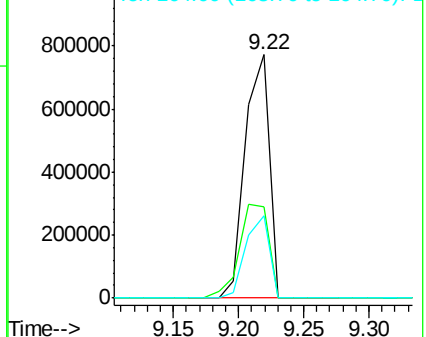
162 100

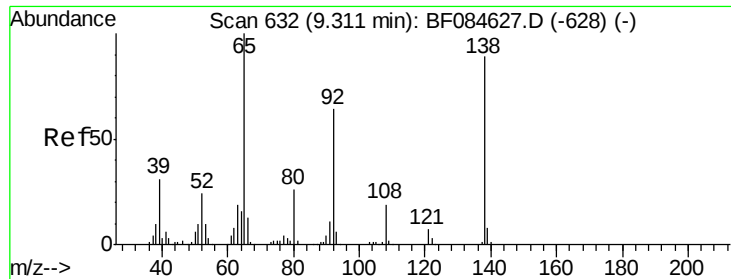
127 37.6 40.2 60.4#

164 33.9 25.7 38.5



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 47.34 ng

RT: 9.31 min Scan# 632

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

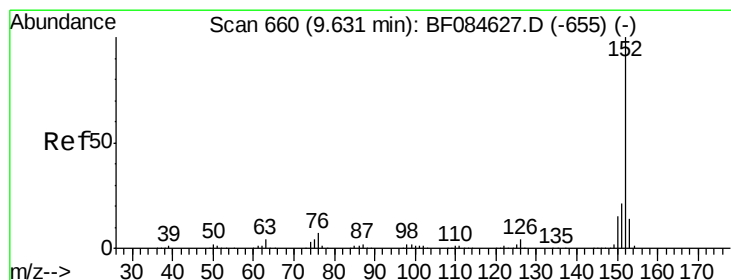
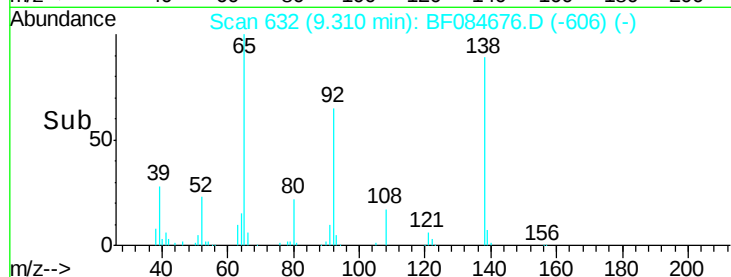
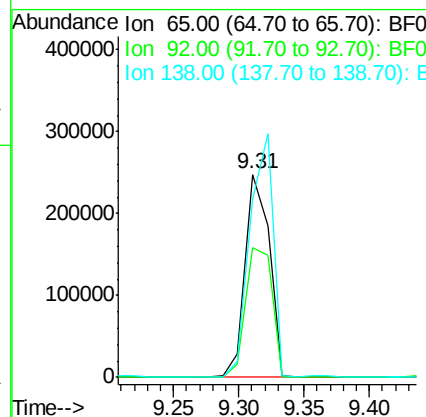
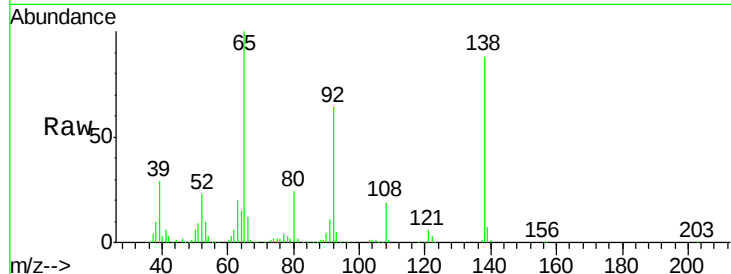
ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion:	65	Resp:	319350
Ion Ratio	Lower	Upper	
65	100		
92	63.9	53.4	80.2
138	88.1	71.1	106.7

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#48

Acenaphthylene

Concen: 46.73 ng

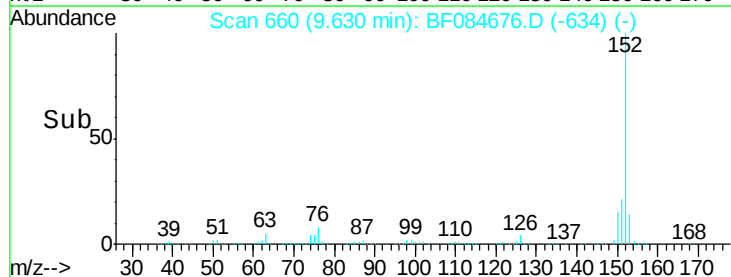
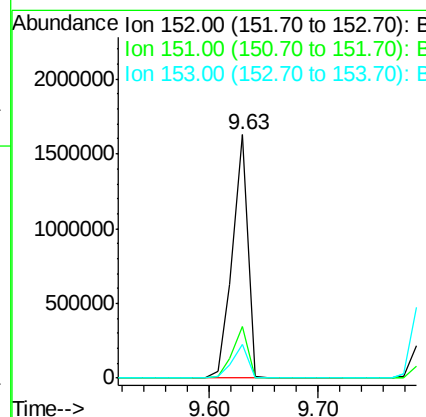
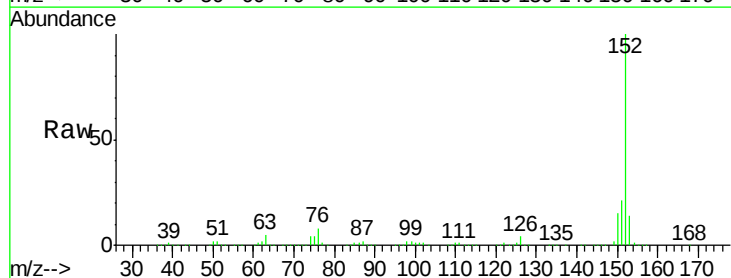
RT: 9.63 min Scan# 660

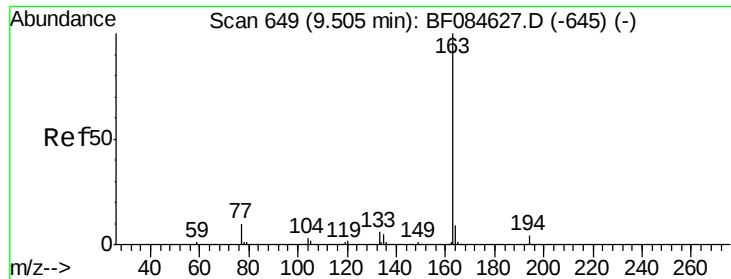
Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Tgt Ion:	152	Resp:	1590492
Ion Ratio	Lower	Upper	
152	100		
151	21.1	16.3	24.5
153	14.1	10.4	15.6





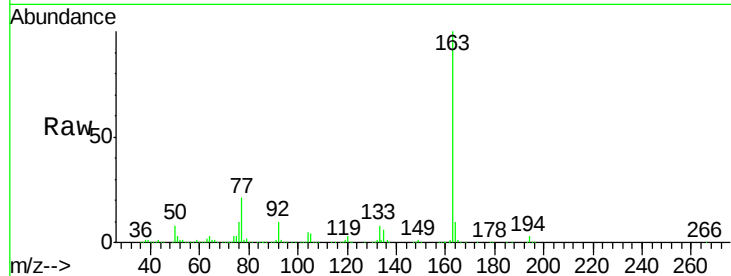
#49
Dimethylphthalate
Concen: 60.39 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

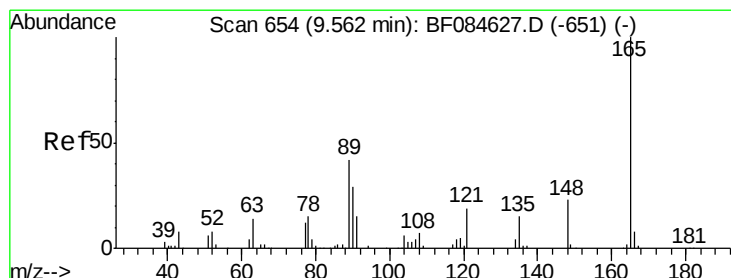
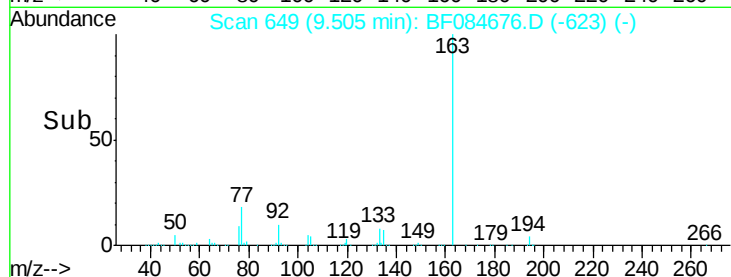
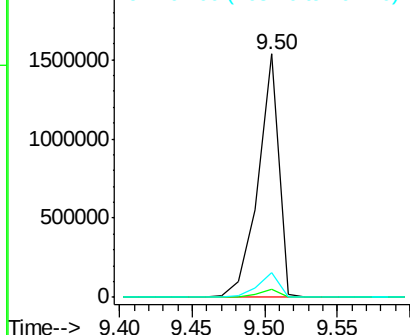
Tot Ion:163 Resp: 1522488
Ion Ratio Lower Upper
163 100
194 3.5 8.0 12.0#
164 10.4 8.0 12.0

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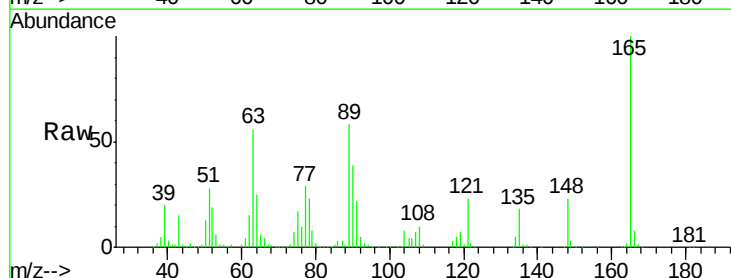


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

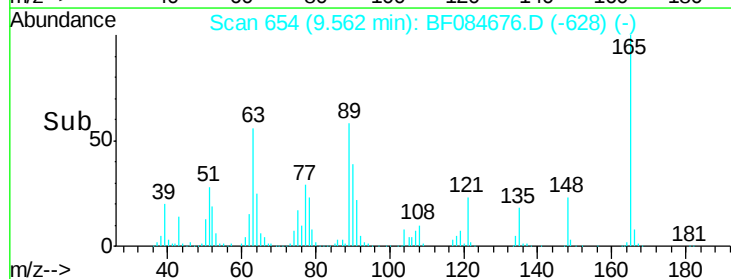
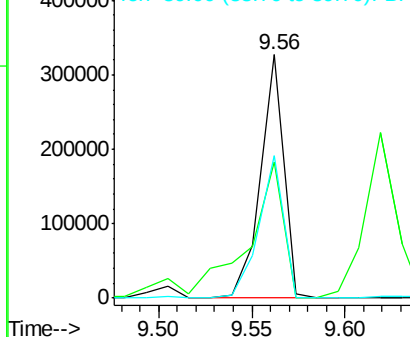


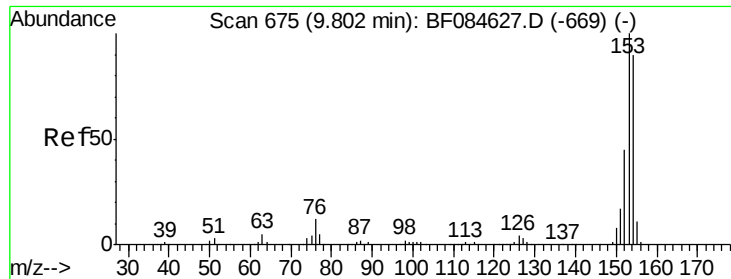
#50
2,6-Dinitrotoluene
Concen: 50.53 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion:165 Resp: 280313
Ion Ratio Lower Upper
165 100
63 56.2 28.8 43.2#
89 58.4 35.1 52.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 44.79 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:154 Resp: 1020840

Ion Ratio Lower Upper

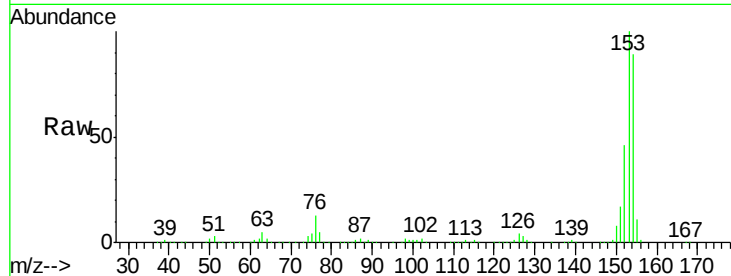
154 100

153 111.9 91.5 137.3

152 51.7 43.0 64.6

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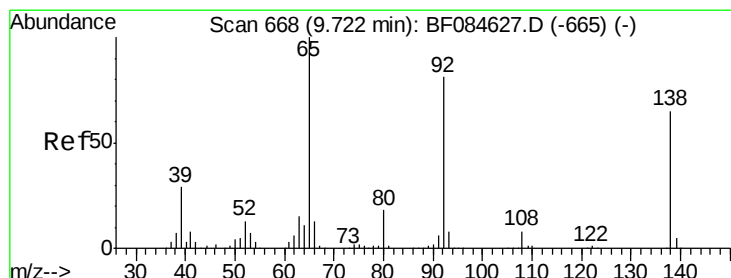
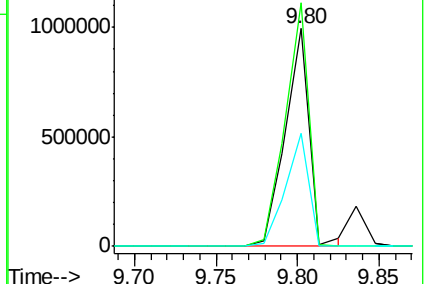
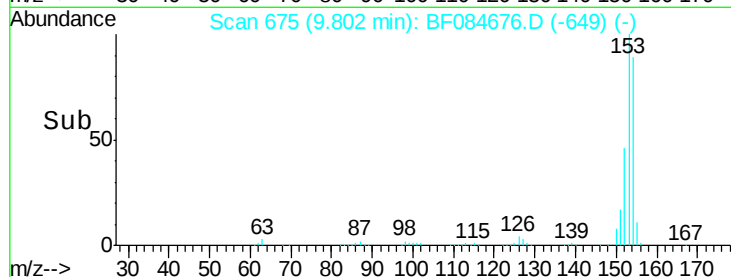
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 24.12 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

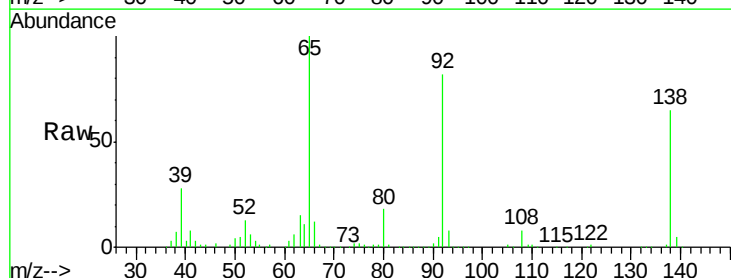
Tgt Ion:138 Resp: 139807

Ion Ratio Lower Upper

138 100

108 11.5 10.5 15.7

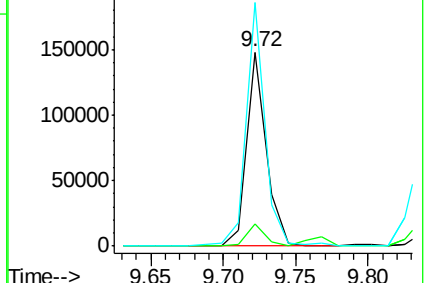
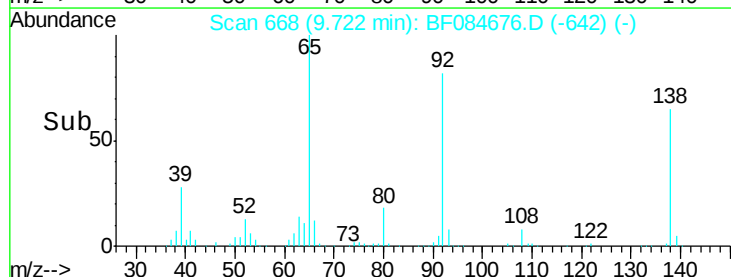
92 125.5 103.9 155.9

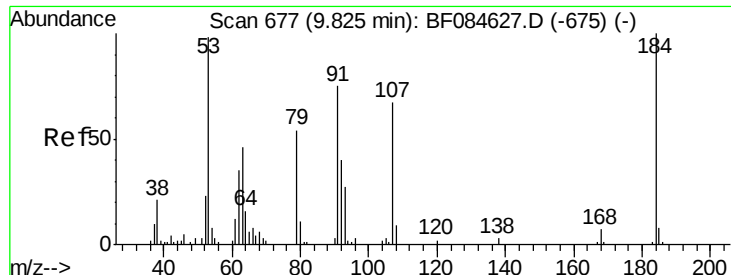


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





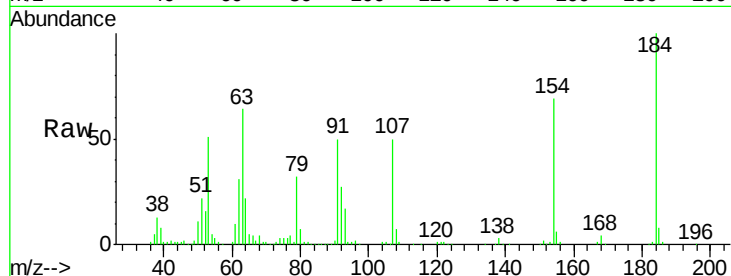
#53
 2,4-Dinitrophenol
 Concen: 87.36 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.01 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-UST-115MSD

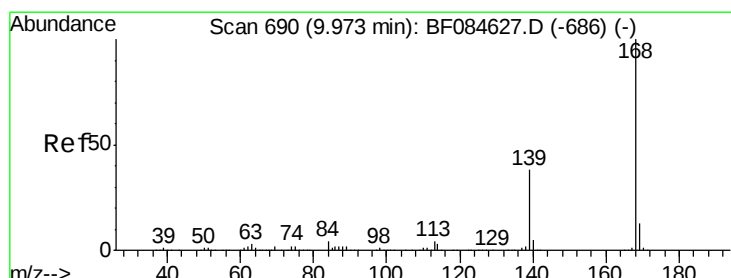
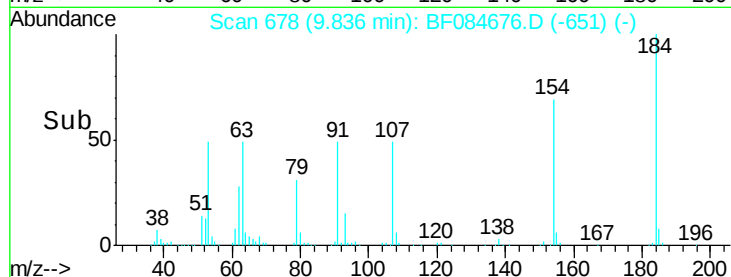
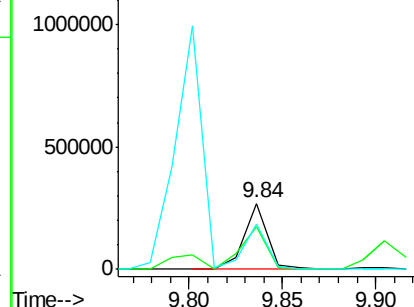
Tot Ion	Ratio	Resp	Lower	Upper
184	100	239131		
63	64.0	43.1	64.7	
154	68.7	60.5	90.7	

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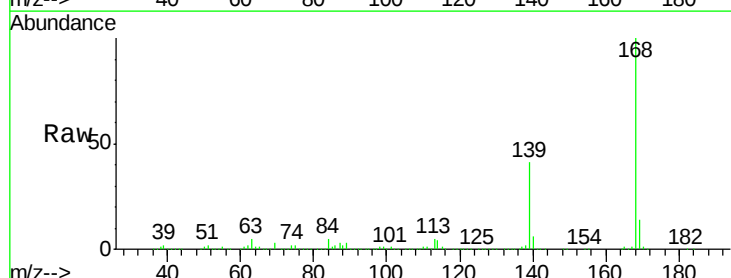


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

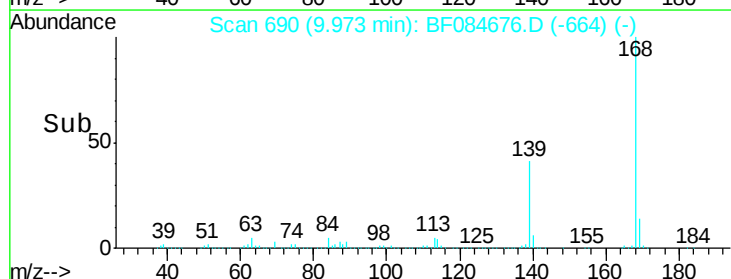
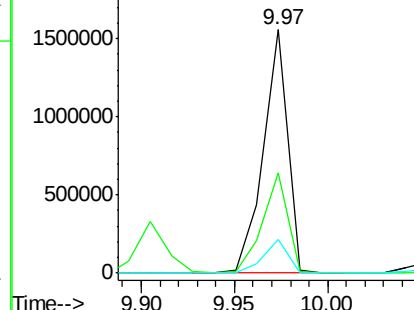


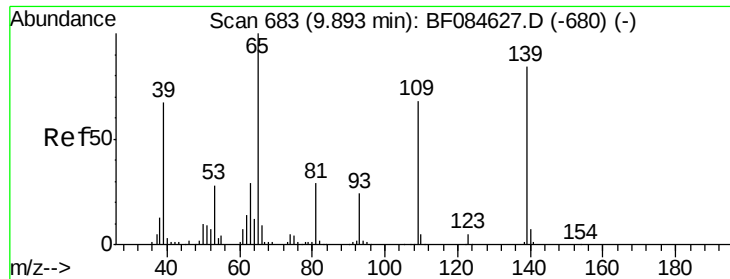
#54
 Dibenzofuran
 Concen: 51.34 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1396475		
139	41.2	30.5	45.7	
169	13.9	10.4	15.6	



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





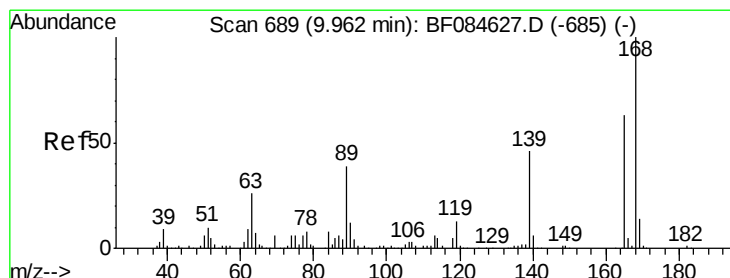
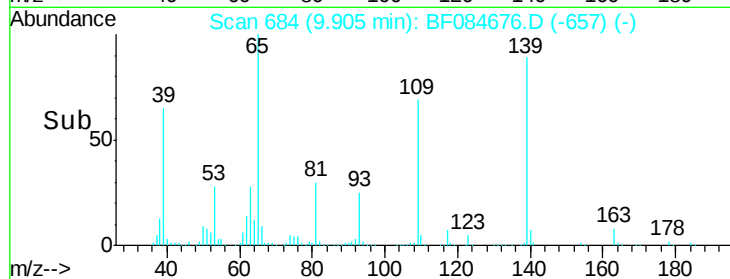
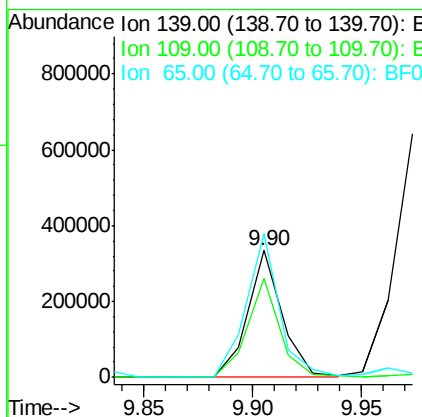
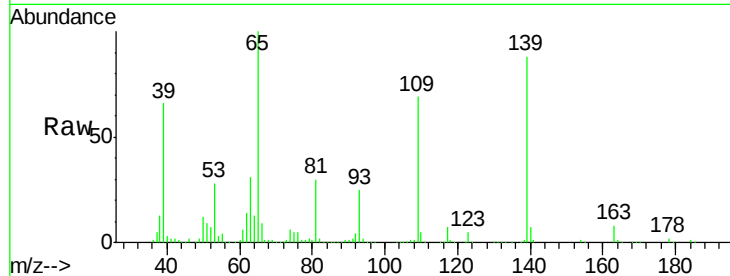
#55
4-Nitrophenol
Concen: 86.60 ng
RT: 9.90 min Scan# 684
Delta R.T. 0.01 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	78.0	58.5	98.5	
65	113.1	57.6	97.6	

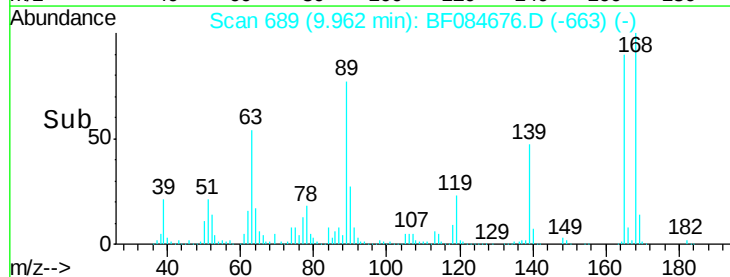
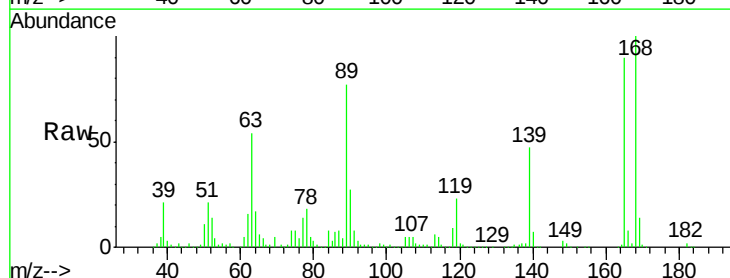
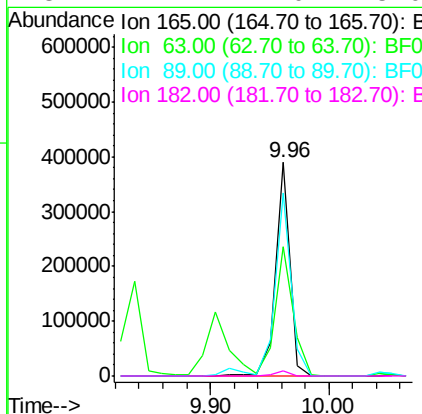
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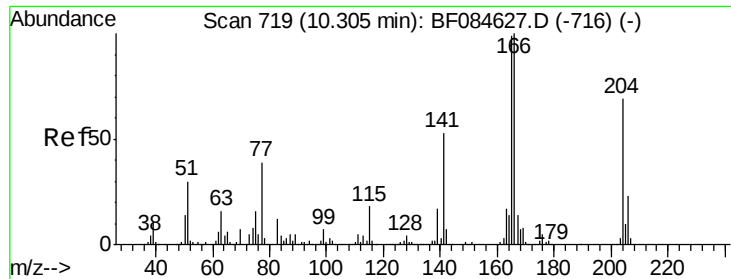
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#56
2,4-Dinitrotoluene
Concen: 45.51 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	60.3	36.7	55.1	
89	85.9	61.9	92.9	
182	2.2	2.0	3.0	





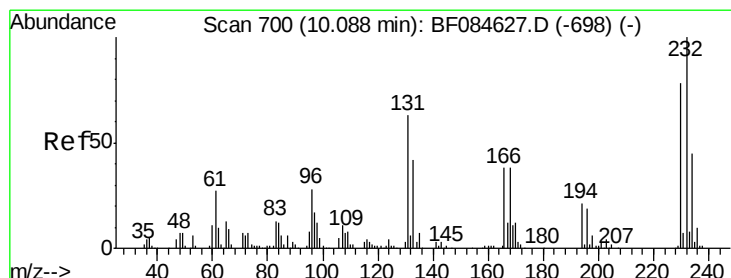
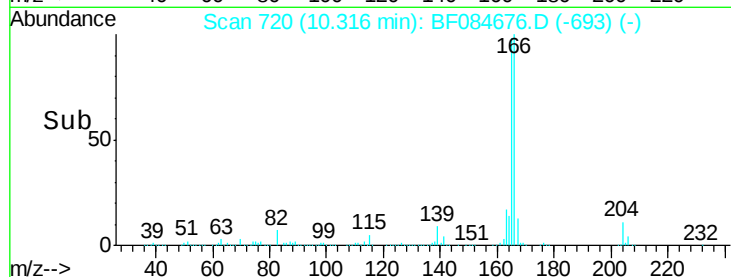
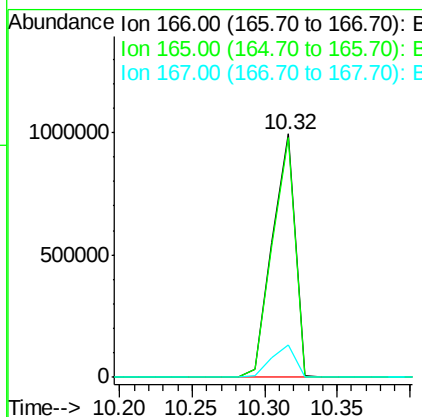
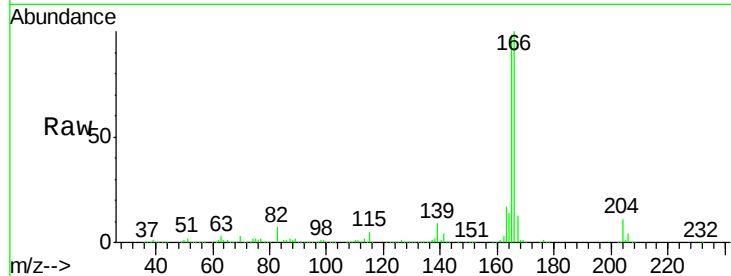
#57
Fluorene
 Concen: 47.13 ng
 RT: 10.32 min Scan# 720
 Delta R.T. 0.01 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-UST-115MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.1	118.7
167	13.2	10.4	15.6

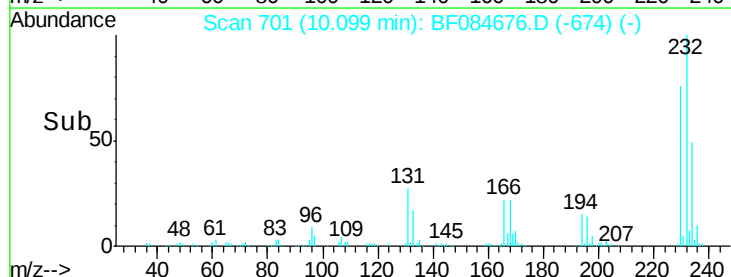
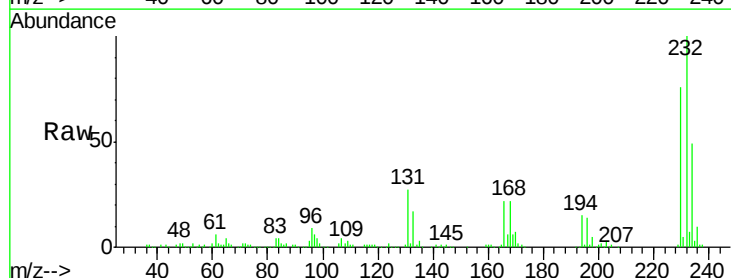
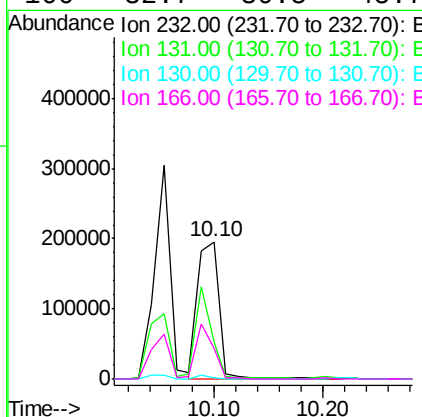
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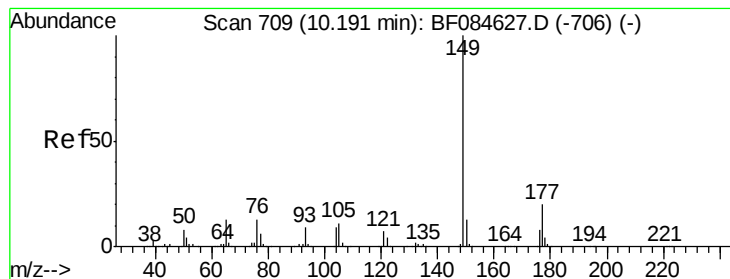
mohammad
 2/1/2016 2:25:48 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 51.04 ng
 RT: 10.10 min Scan# 701
 Delta R.T. 0.01 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Lower	Upper
232	100		
131	50.5	47.0	70.6
130	2.4	2.0	3.0
166	32.7	30.5	45.7





#59

Diethylphthalate

Concen: 48.63 ng

RT: 10.20 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion:149 Resp: 1200330

Ion Ratio Lower Upper

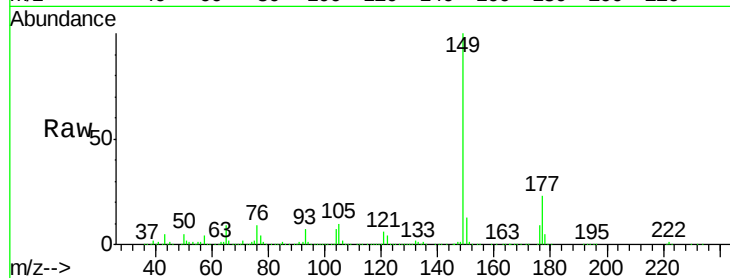
149 100

177 23.2 17.3 25.9

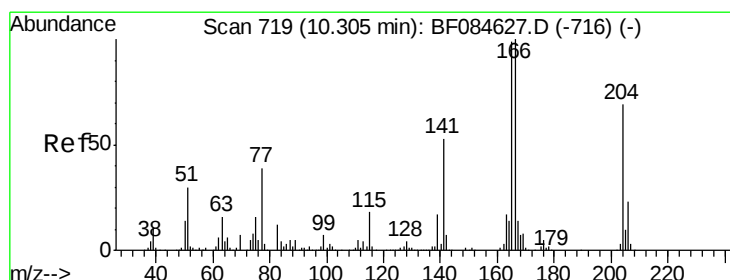
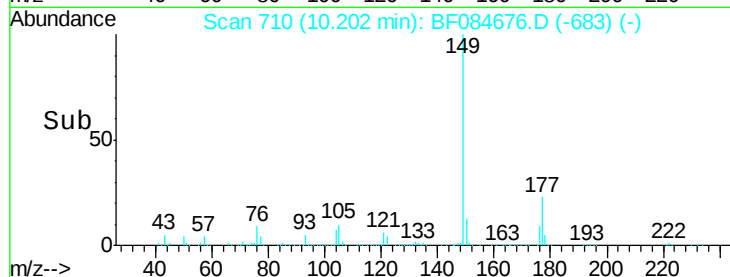
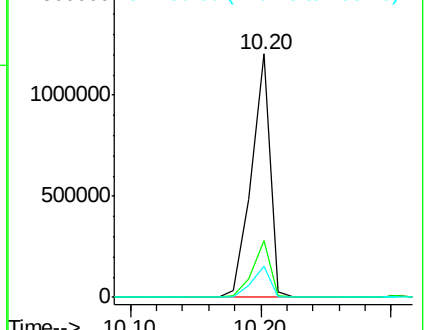
150 12.8 9.8 14.8

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 42.04 ng

RT: 10.30 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

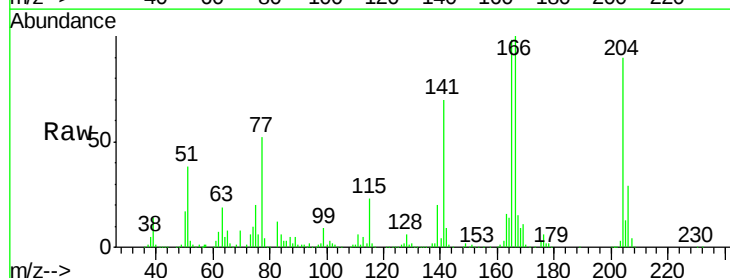
Tgt Ion:204 Resp: 435119

Ion Ratio Lower Upper

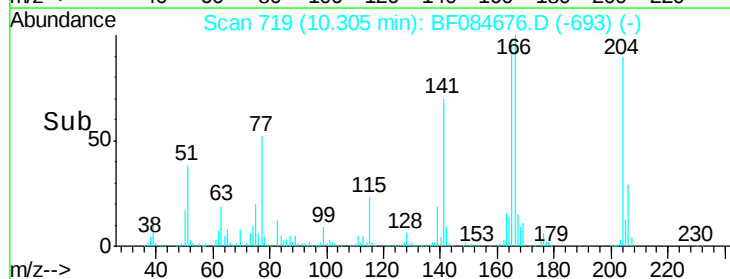
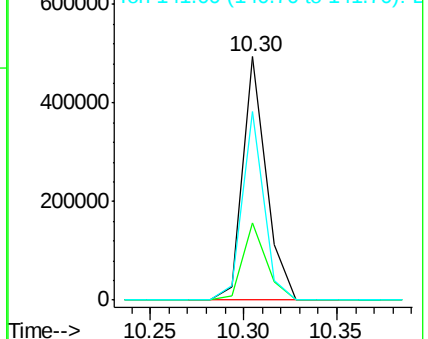
204 100

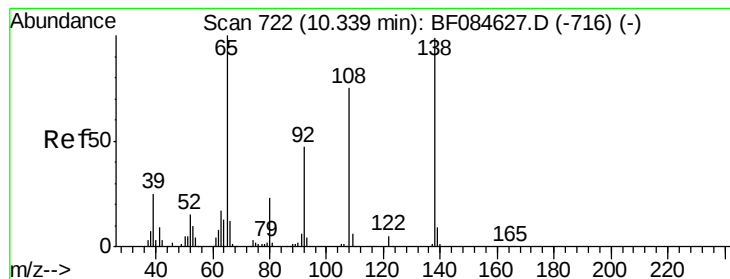
206 31.9 25.7 38.5

141 77.3 55.1 82.7



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 46.21 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

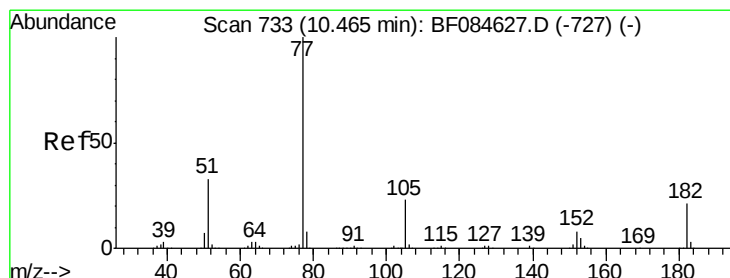
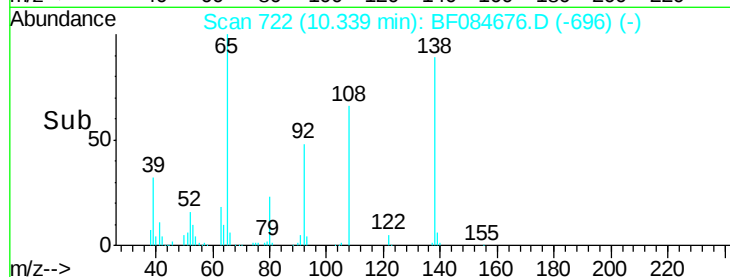
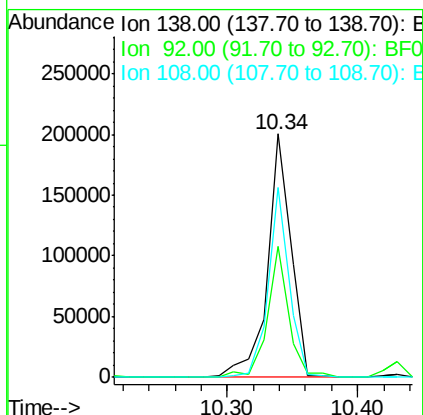
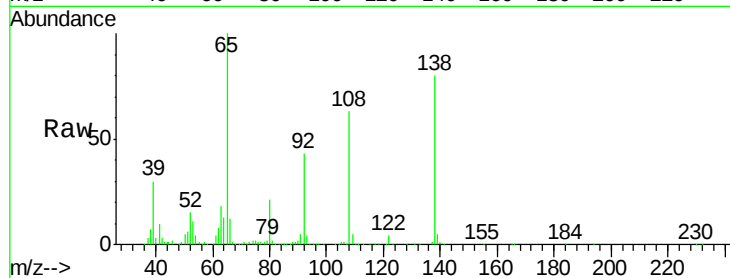
ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion:	138	Resp:	253525
Ion Ratio	Lower	Upper	
138	100		
92	53.7	32.6	72.6
108	77.8	68.6	108.6

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#62

Azobenzene

Concen: 49.80 ng

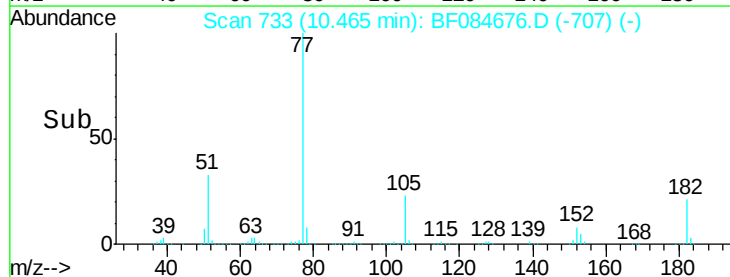
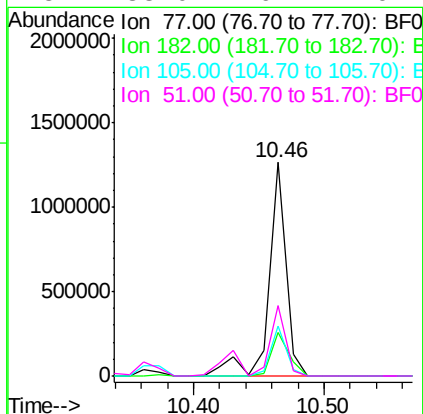
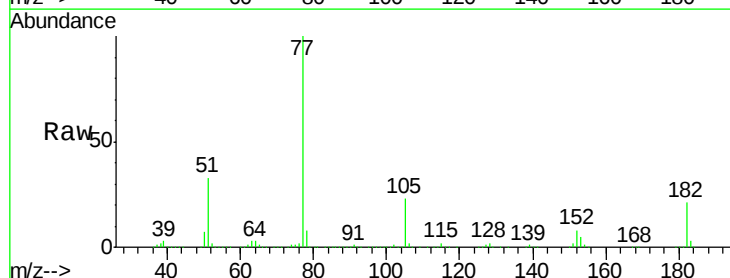
RT: 10.46 min Scan# 733

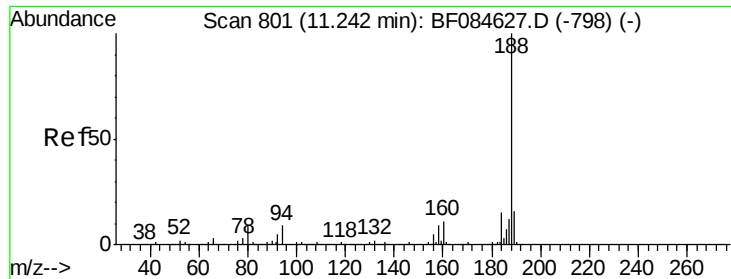
Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Tgt Ion:	77	Resp:	1176331
Ion Ratio	Lower	Upper	
77	100		
182	20.6	8.3	48.3
105	23.3	4.6	44.6
51	33.0	6.2	46.2





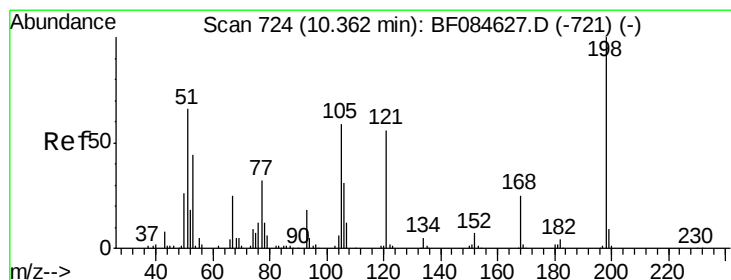
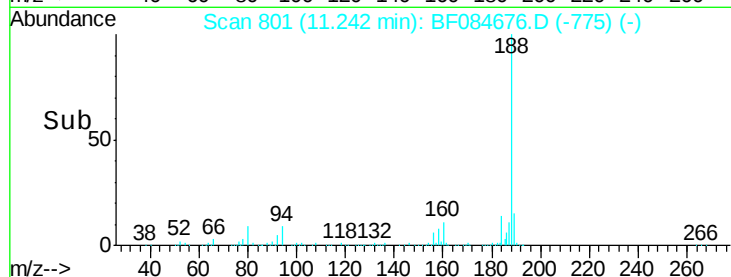
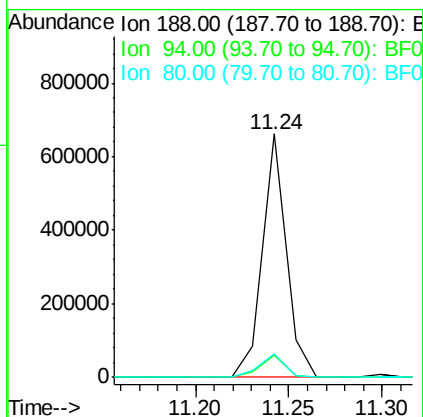
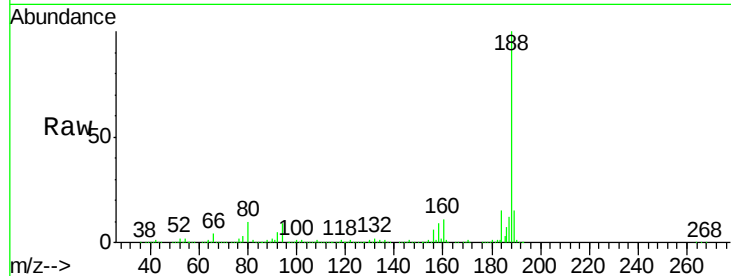
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.3	9.0	13.4
80	9.6	9.6	14.4

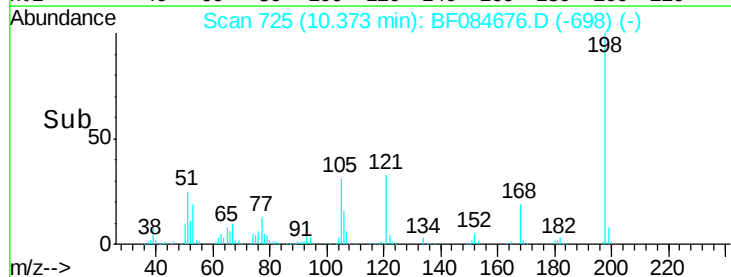
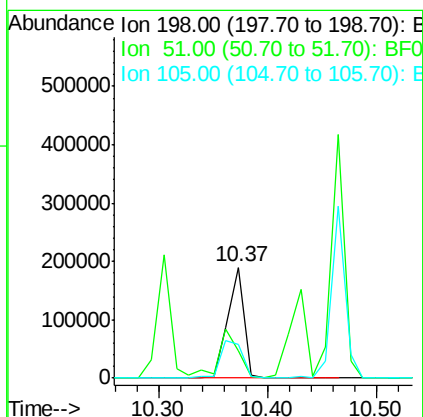
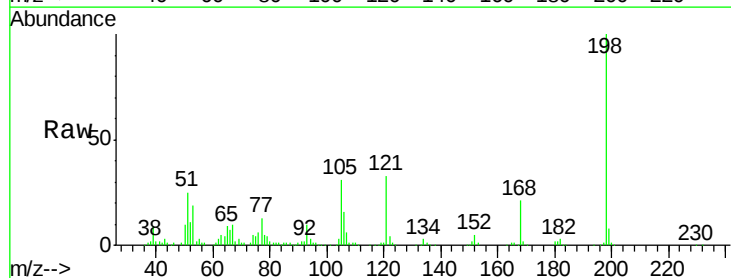
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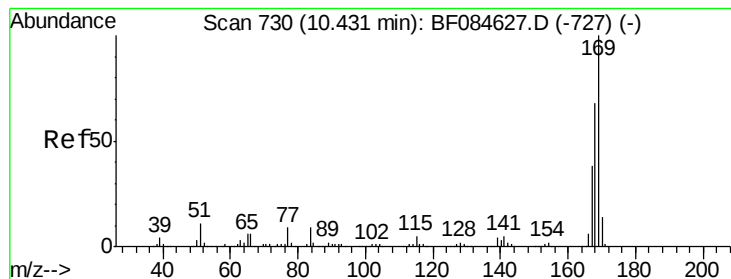
mohammad
2/1/2016 2:25:48 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 51.94 ng
RT: 10.37 min Scan# 725
Delta R.T. 0.01 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	24.8	18.9	58.9
105	30.9	26.4	66.4





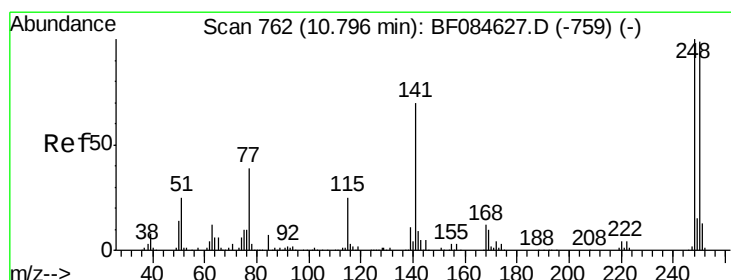
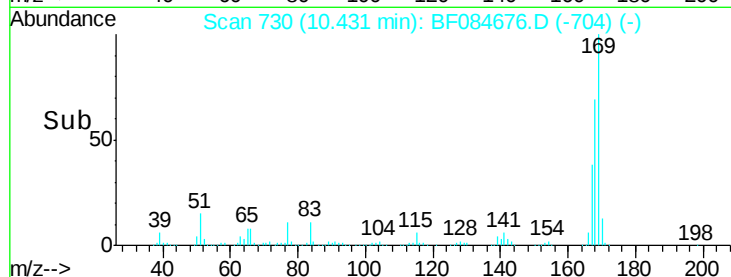
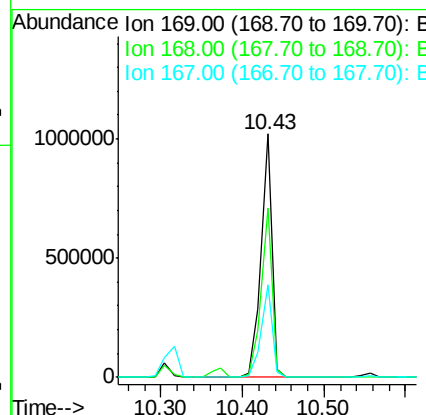
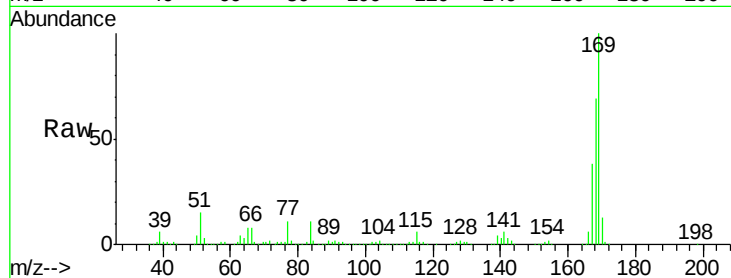
#65
n-Nitrosodiphenylamine
Concen: 49.57 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100				
168	69.3	55.1	82.7		
167	38.2	30.0	45.0		

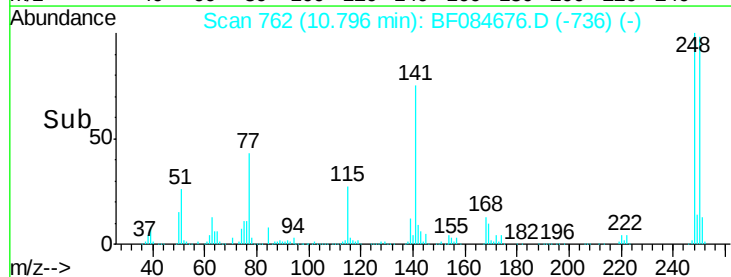
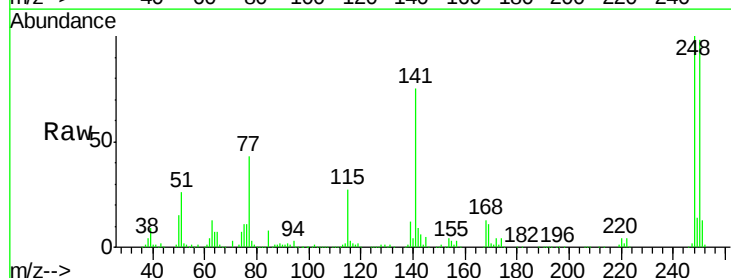
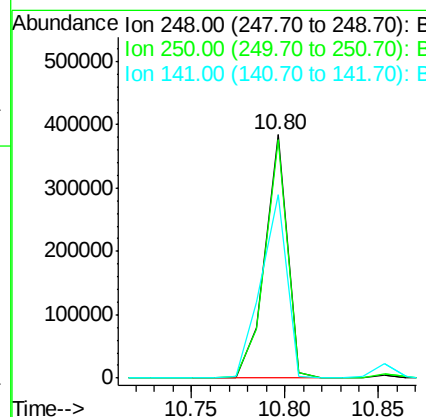
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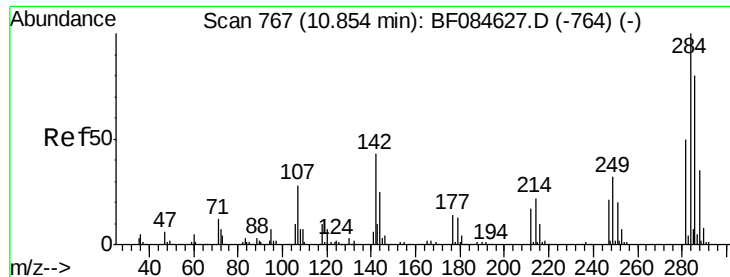
mohammad
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#66
4-Bromophenyl-phenylether
Concen: 49.42 ng
RT: 10.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
248	100				
250	97.8	78.4	117.6		
141	75.2	44.0	66.0		





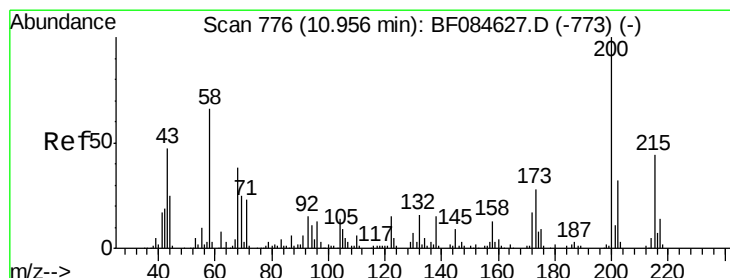
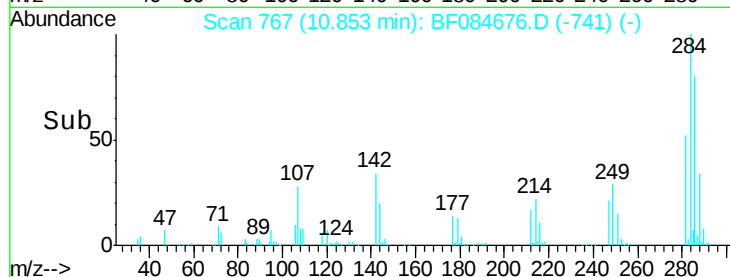
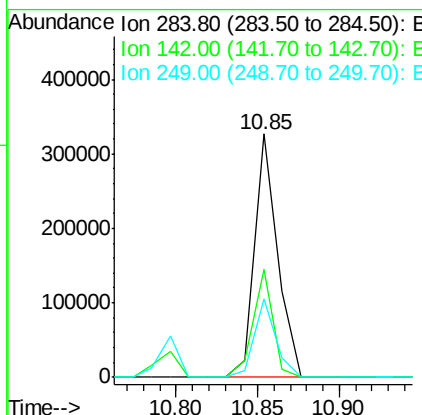
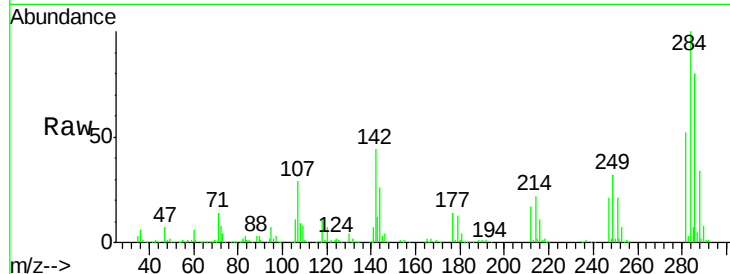
#67
Hexachlorobenzene
Concen: 44.51 ng
RT: 10.85 min Scan# 767
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	319232		
142	44.1	22.2	33.4#	
249	32.2	24.6	37.0	

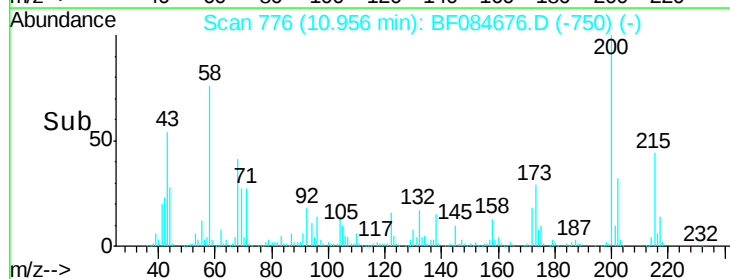
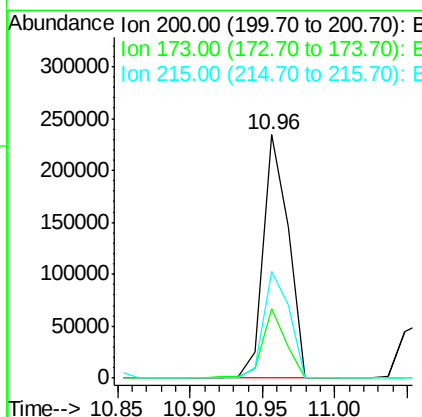
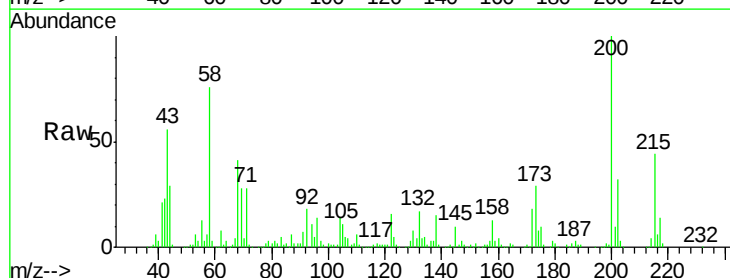
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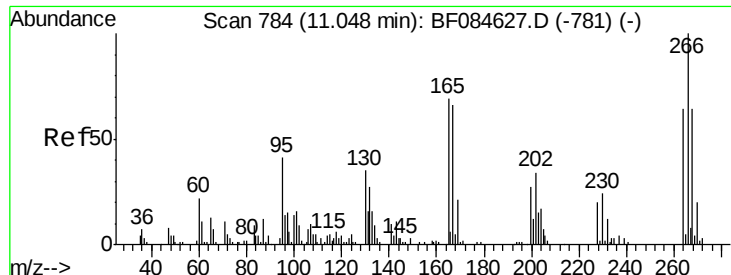
mohammad
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#68
Atrazine
Concen: 49.16 ng
RT: 10.96 min Scan# 776
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	279621		
173	28.8	9.5	49.5	
215	44.0	23.8	63.8	





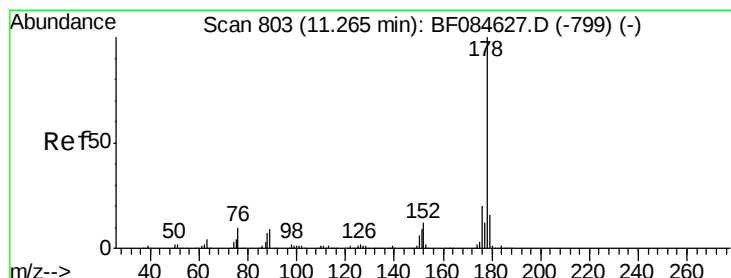
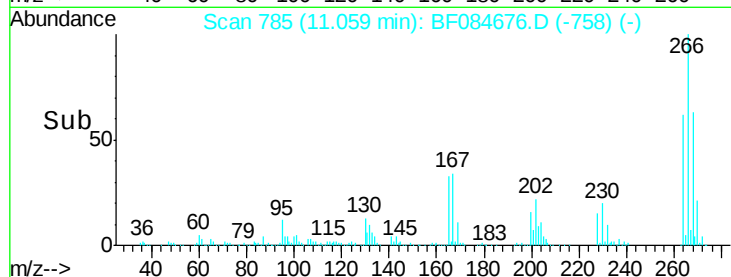
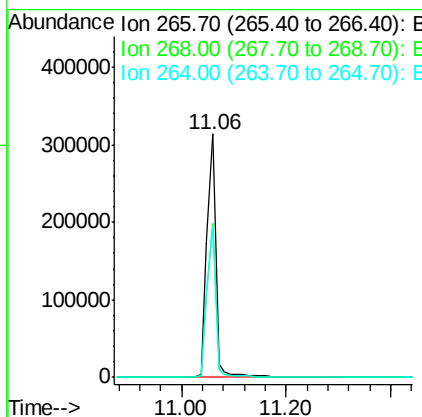
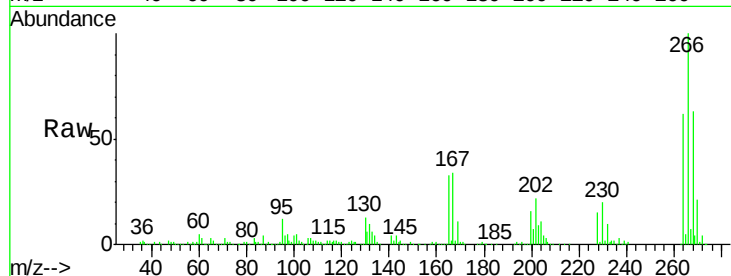
#69
 Pentachlorophenol
 Concen: 107.78 ng
 RT: 11.06 min Scan# 785
 Delta R.T. 0.01 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-UST-115MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.2	52.4	78.6
264	62.3	50.2	75.2

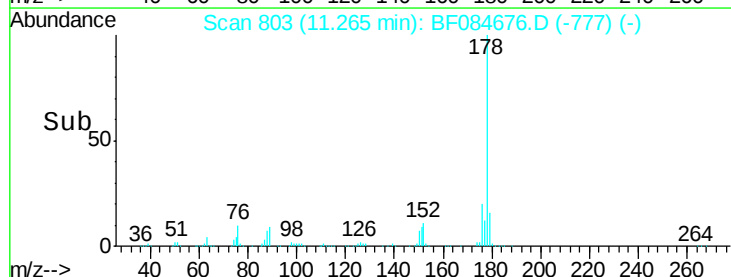
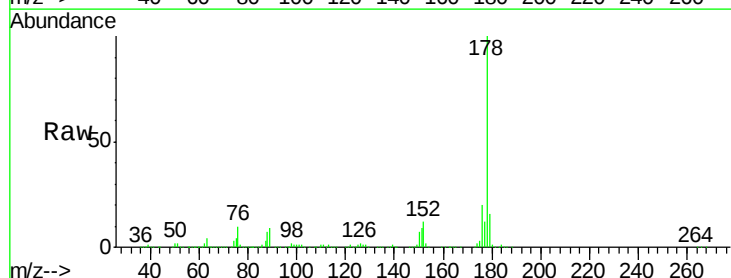
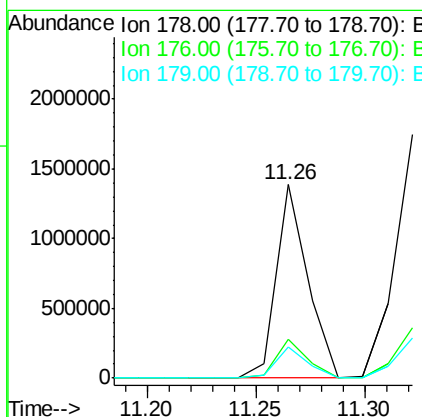
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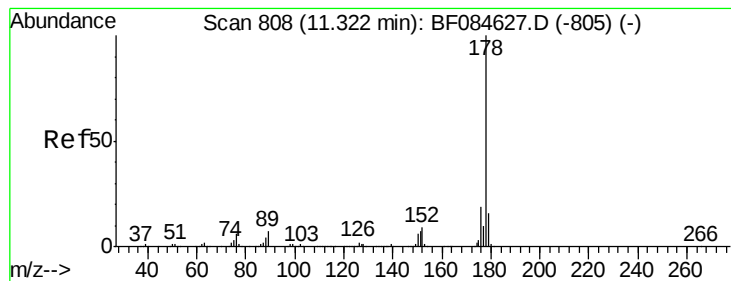
mohammad
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#70
 Phenanthrene
 Concen: 43.61 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.3	22.9
179	16.0	12.0	18.0





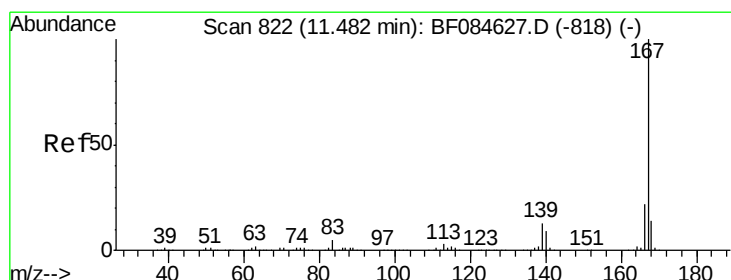
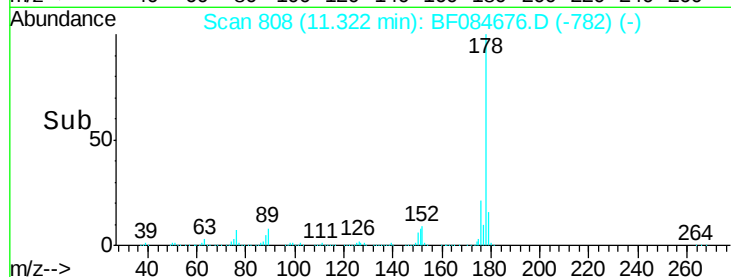
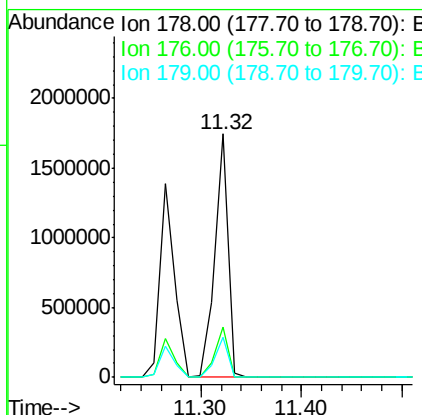
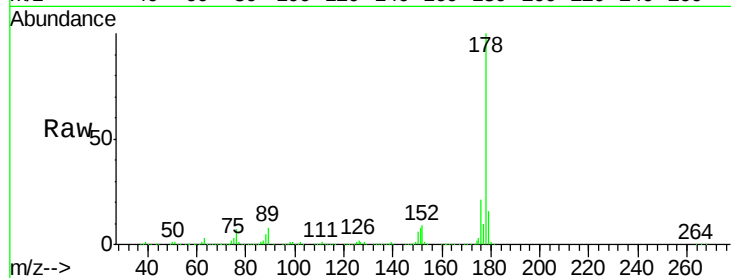
#71
 Anthracene
 Concen: 48.70 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-UST-115MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.4	23.0
179	16.4	12.5	18.7

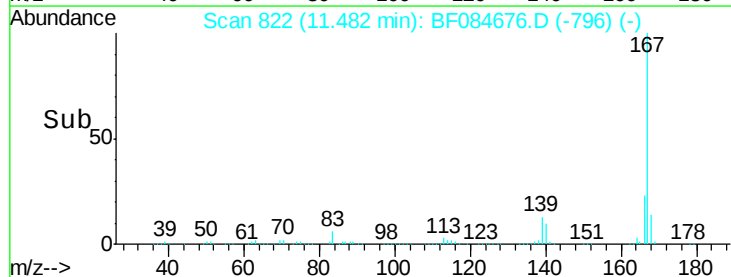
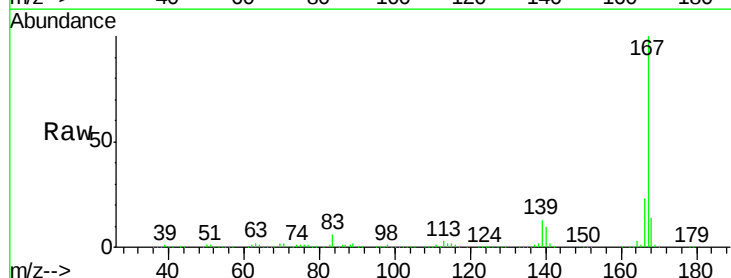
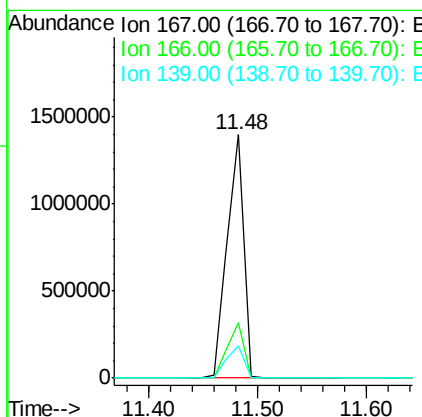
Manual Integrations
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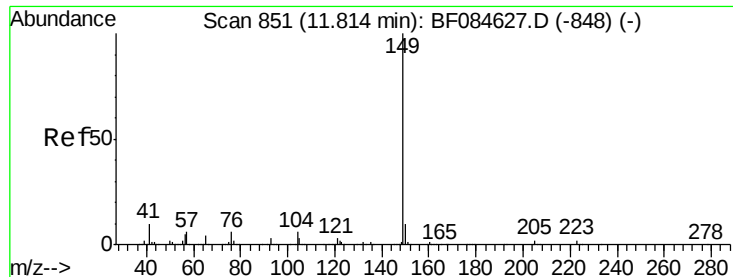
mohammad
 2/1/2016 2:25:48 PM



#72
 Carbazole
 Concen: 51.91 ng
 RT: 11.48 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.6	26.4
139	13.3	11.8	17.8





#73

Di-n-butylphthalate

Concen: 45.50 ng

RT: 11.81 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion:149 Resp: 1569909

Ion Ratio Lower Upper

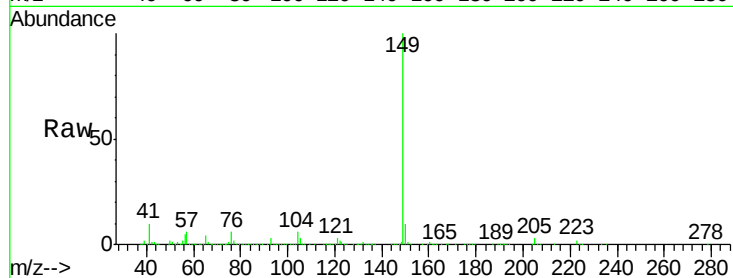
149 100

150 9.8 7.1 10.7

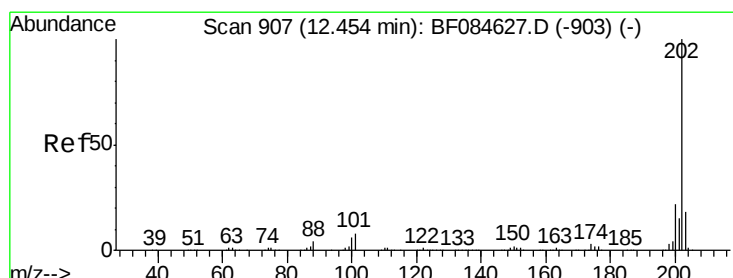
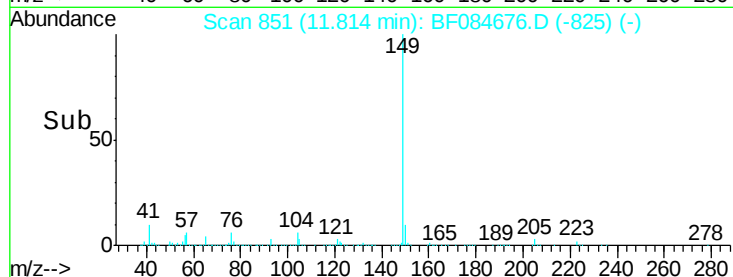
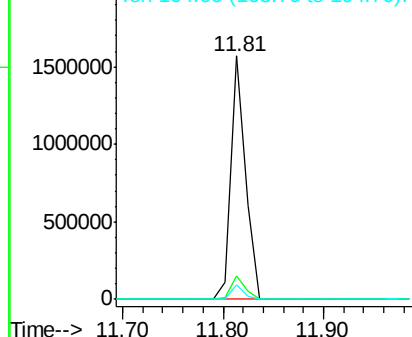
104 6.0 3.2 4.8#

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 48.02 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

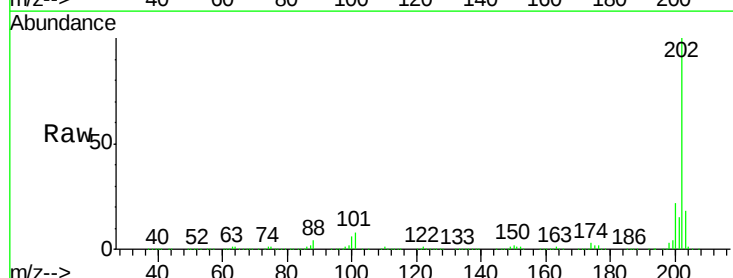
Tgt Ion:202 Resp: 1536973

Ion Ratio Lower Upper

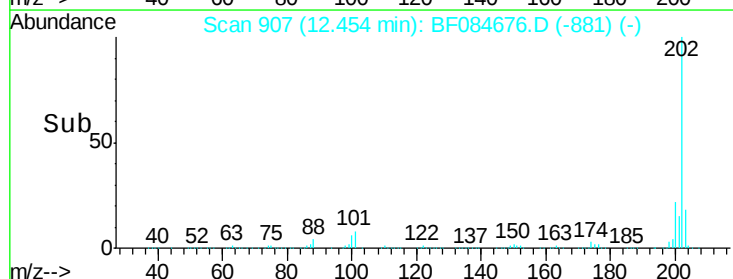
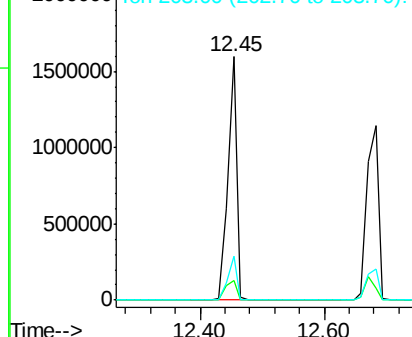
202 100

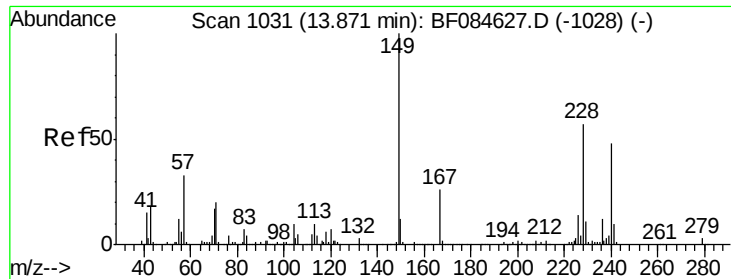
101 8.2 0.0 32.8

203 18.3 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

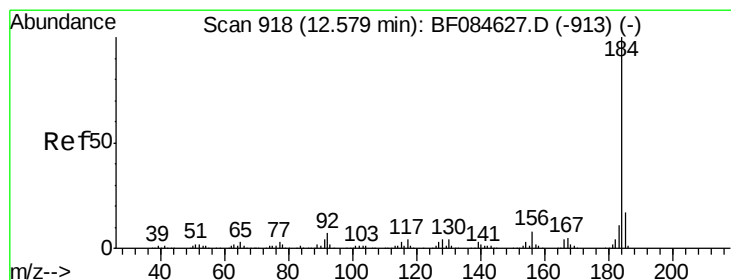
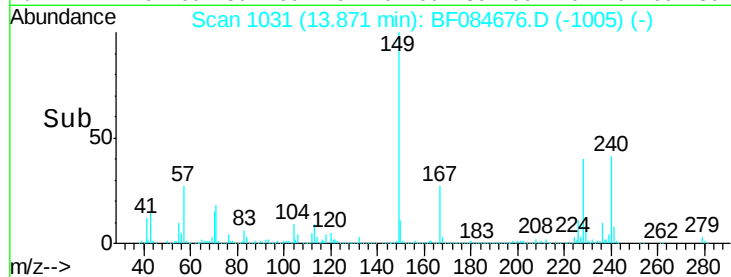
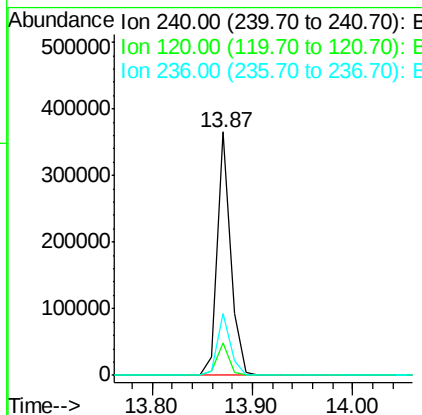
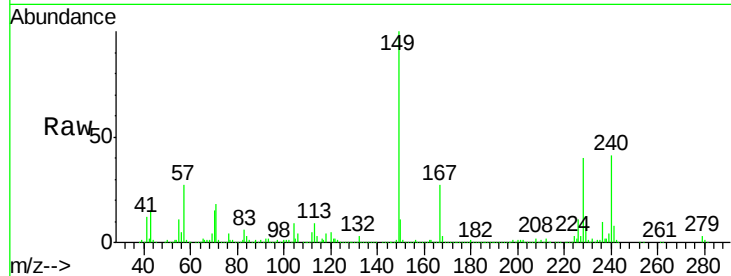
ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion:	240	Resp:	338526
Ion Ratio		Lower	Upper
240	100		
120	13.3	9.5	14.3
236	25.5	20.6	31.0

Manual Integrations
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#76

Benzidine

Concen: 53.11 ng

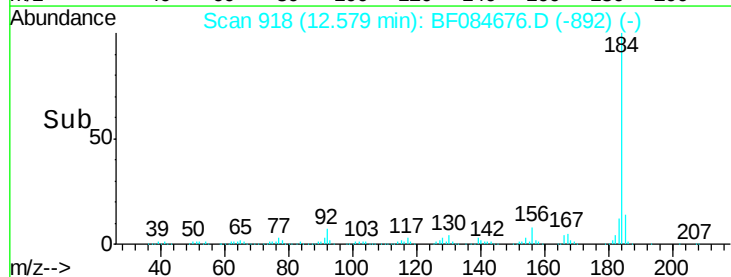
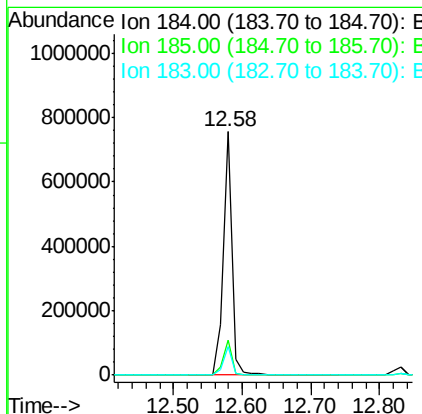
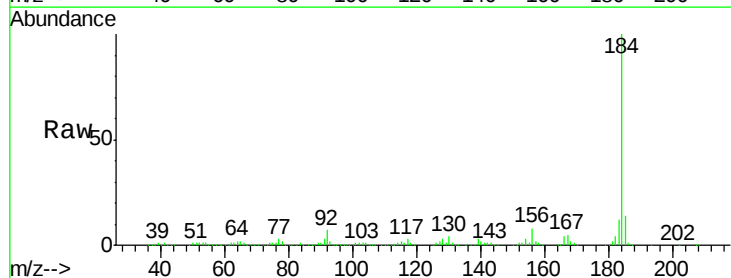
RT: 12.58 min Scan# 918

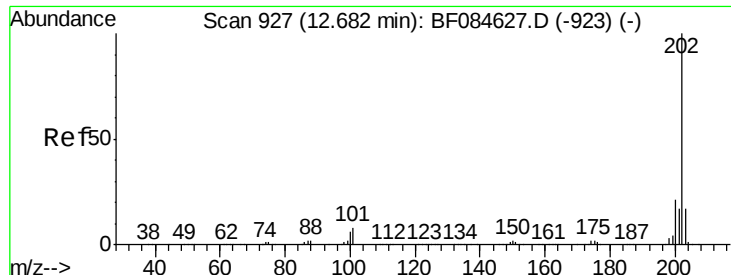
Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Tgt Ion:	184	Resp:	683749
Ion Ratio		Lower	Upper
184	100		
185	14.5	12.2	18.2
183	11.5	9.8	14.8





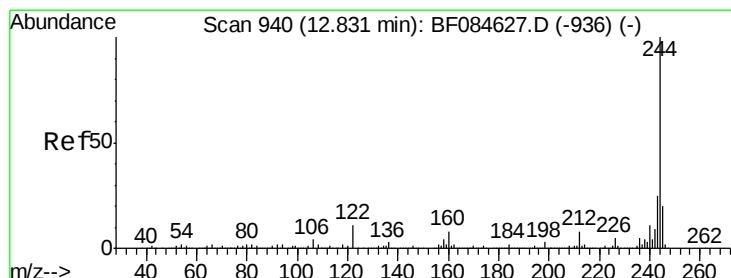
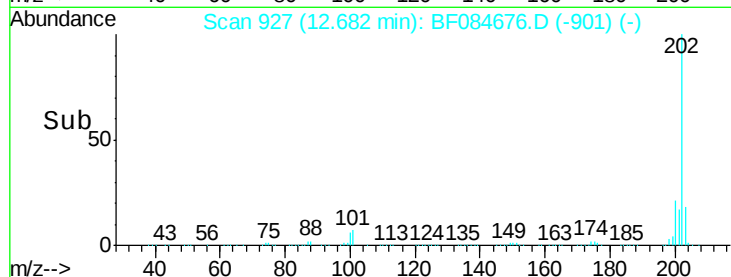
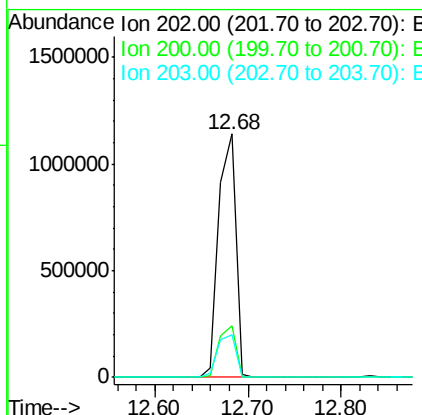
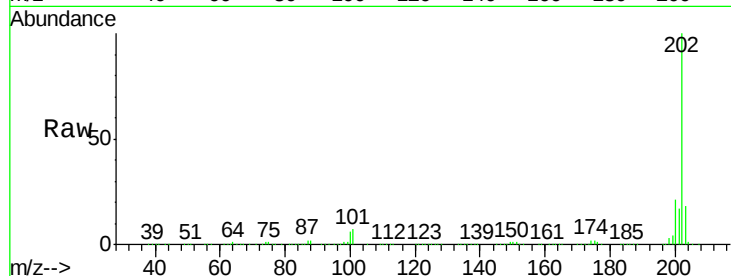
#77
Pvrene
Concen: 57.00 ng
RT: 12.68 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.7	14.3	21.5

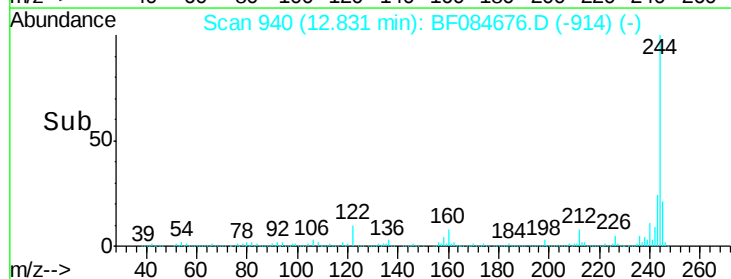
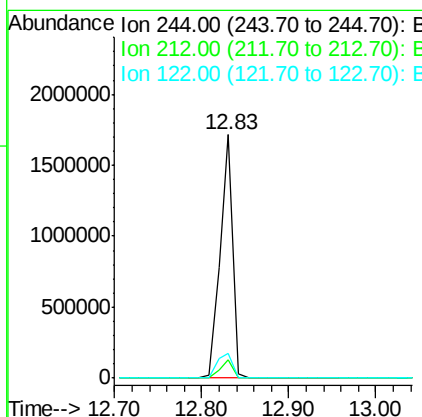
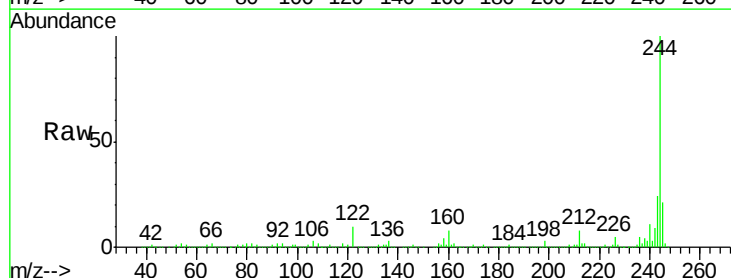
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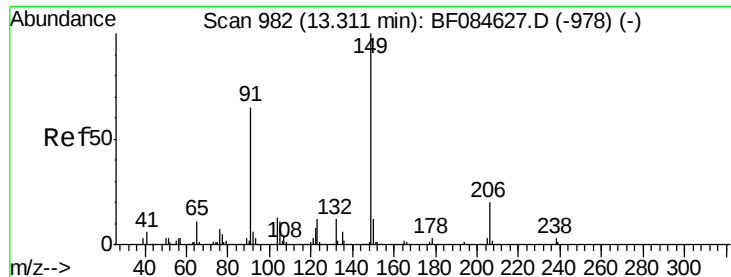
mohammad
2/1/2016 2:25:48 PM



#78
Terphenyl-d14
Concen: 117.28 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.7	8.5
122	10.3	7.4	11.0





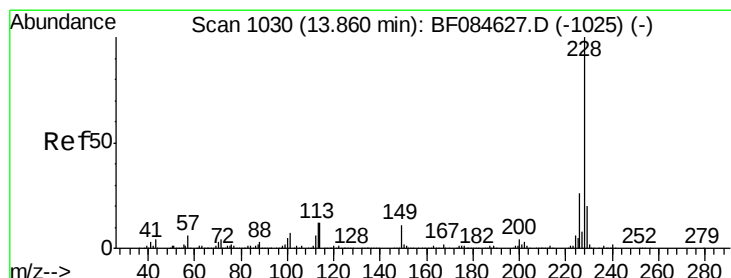
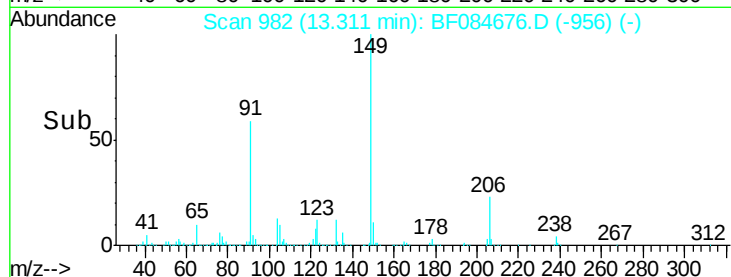
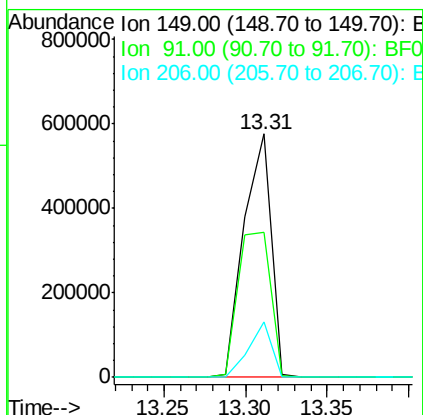
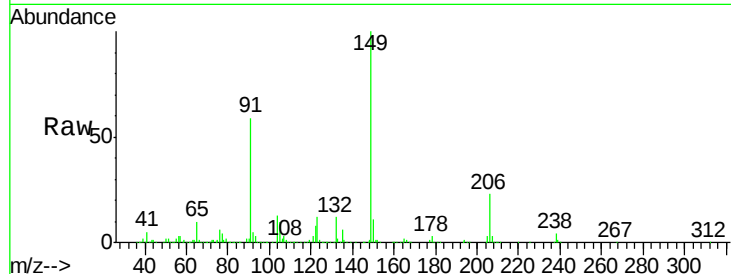
#79
Butylbenzylphthalate
Concen: 60.93 ng
RT: 13.31 min Scan# 982
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	664594		
91	59.4	57.6	86.4	
206	22.5	13.2	19.8	

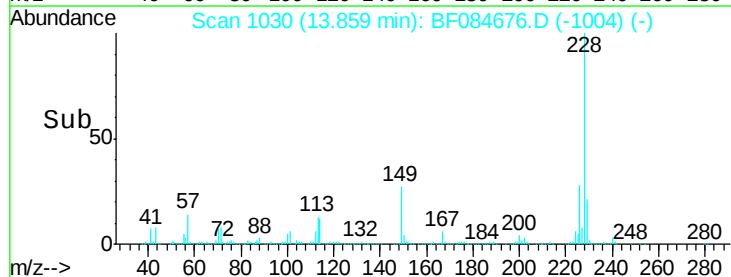
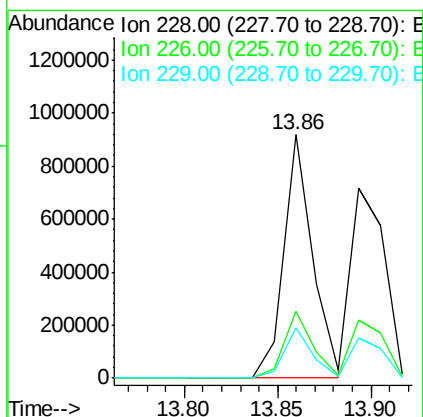
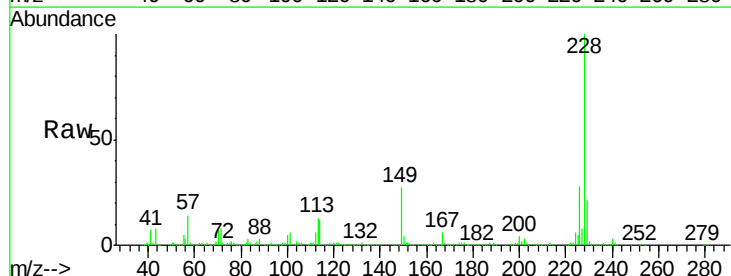
Manual Integrations
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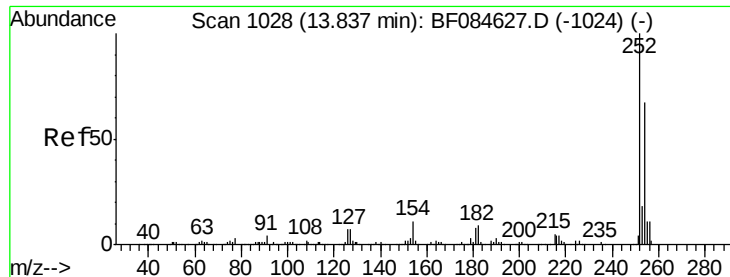
mohammad
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#80
Benzo(a)anthracene
Concen: 46.92 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	990127		
226	27.8	21.8	32.6	
229	20.6	15.8	23.8	





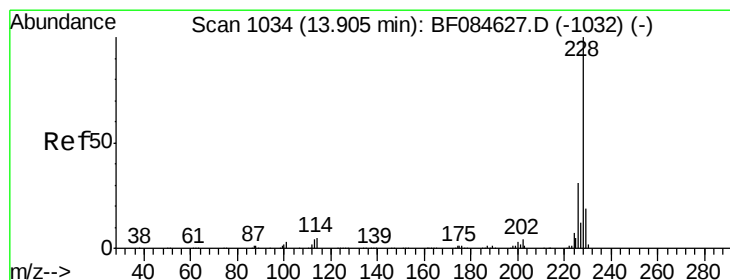
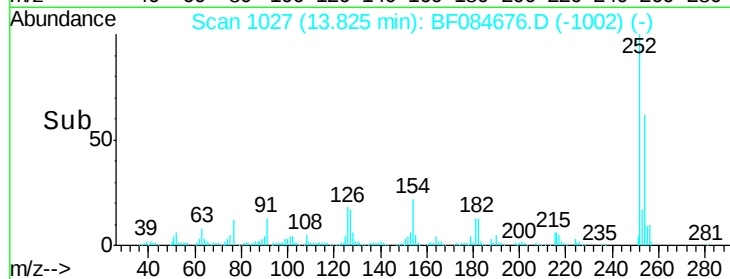
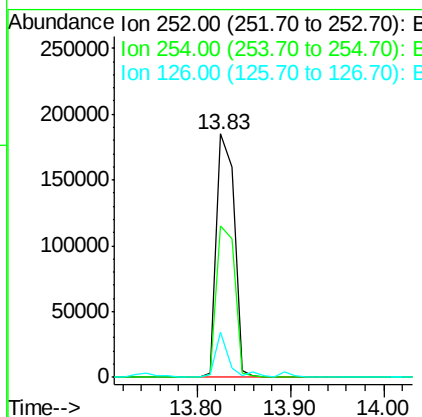
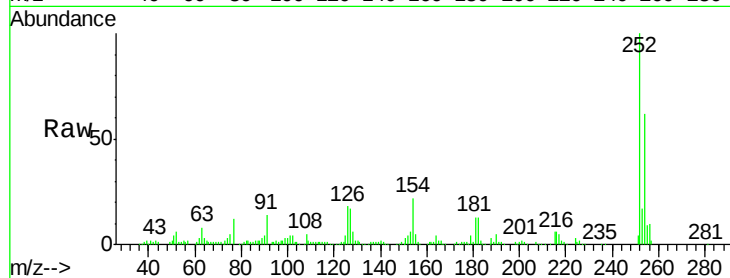
#81
 3,3'-Dichlorobenzidine
 Concen: 33.06 ng
 RT: 13.83 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Instrument :
 BNA_F
 ClientSampleId :
 WESTWALL-UST-115MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	61.9	53.5	80.3
126	18.3	4.9	7.3

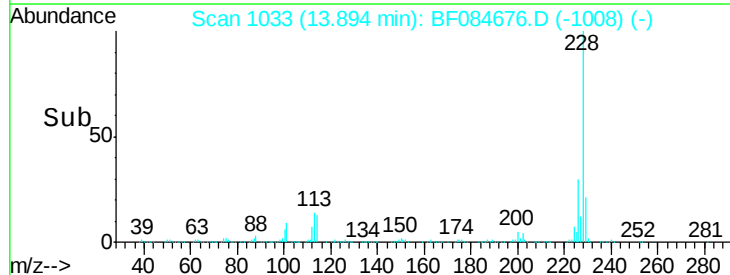
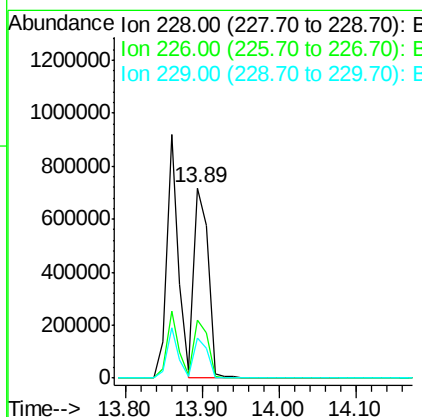
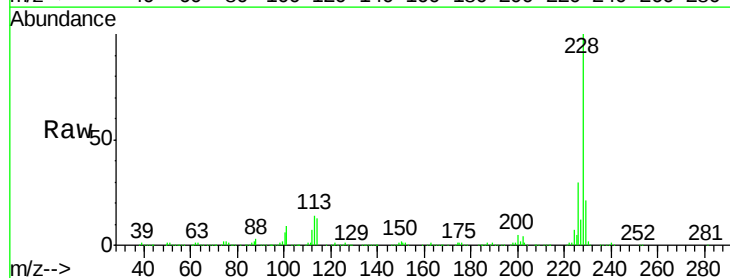
Manual Integrations
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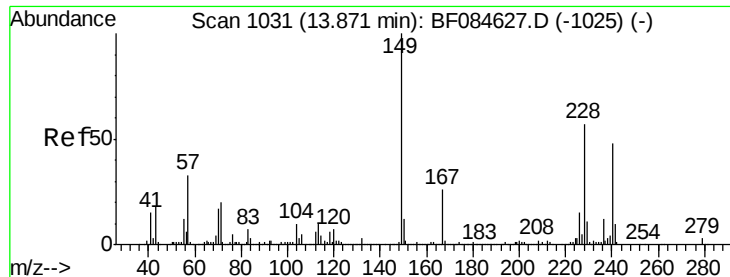
mohammad
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#82
 Chrysene
 Concen: 43.78 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF084676.D
 Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.5	24.3	36.5
229	20.9	16.1	24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 58.09 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

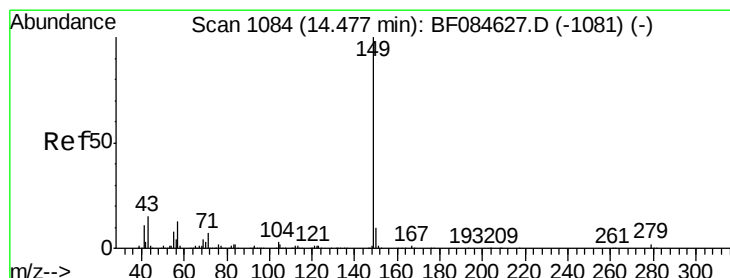
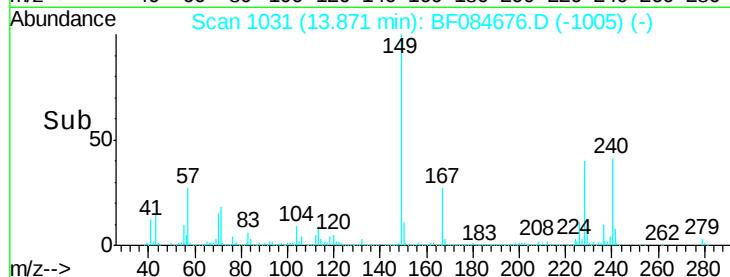
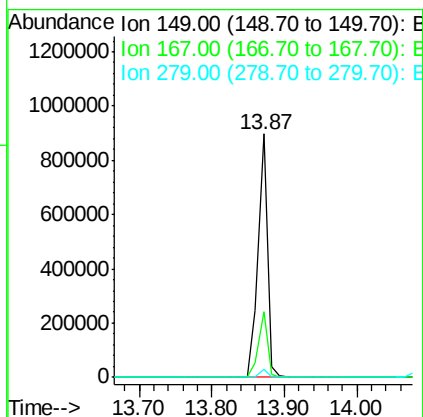
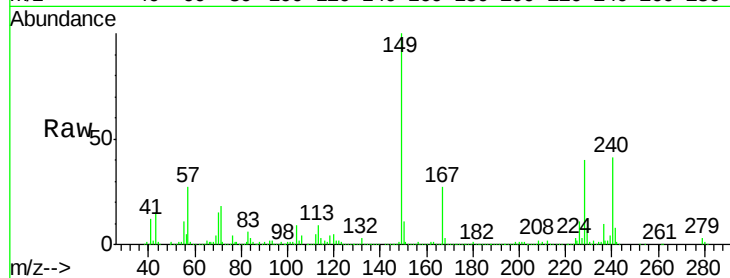
ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion:	149	Resp:	821917
Ion Ratio	Lower	Upper	
149	100		
167	26.9	19.7	29.5
279	3.2	1.8	2.6

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 53.26 ng

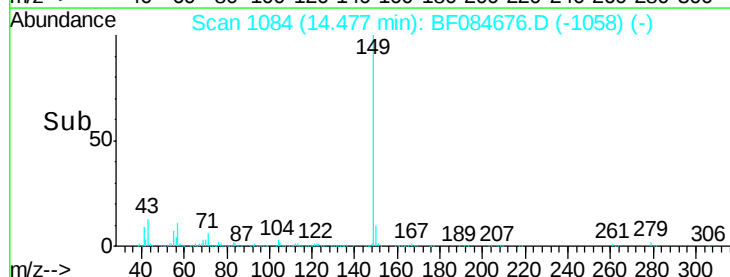
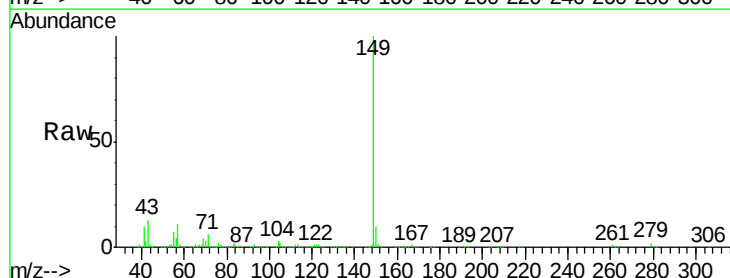
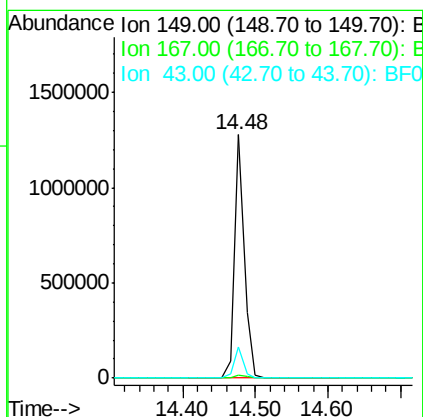
RT: 14.48 min Scan# 1084

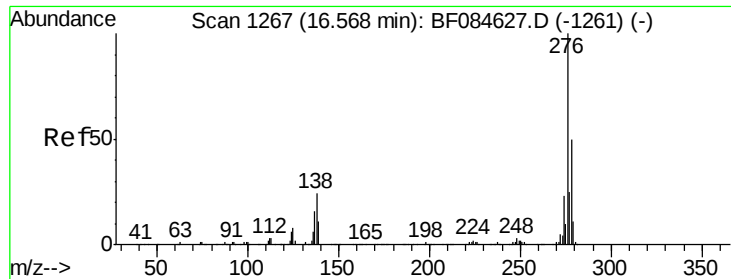
Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Tgt Ion:	149	Resp:	1190630
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	12.1	5.6	8.4





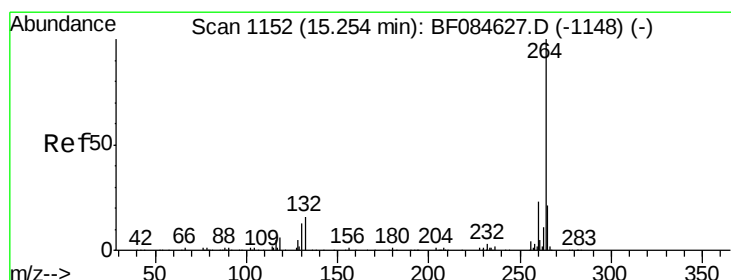
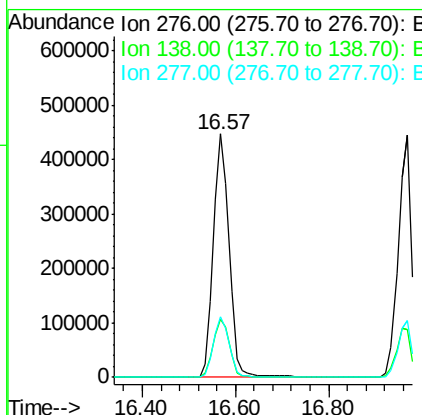
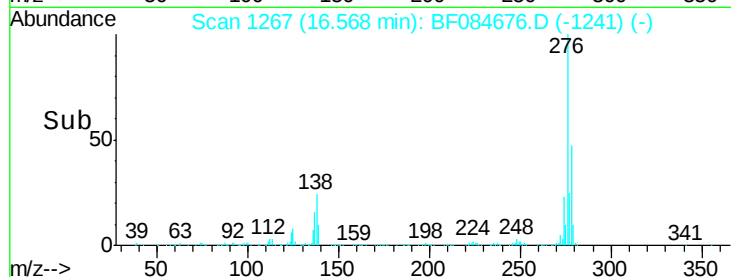
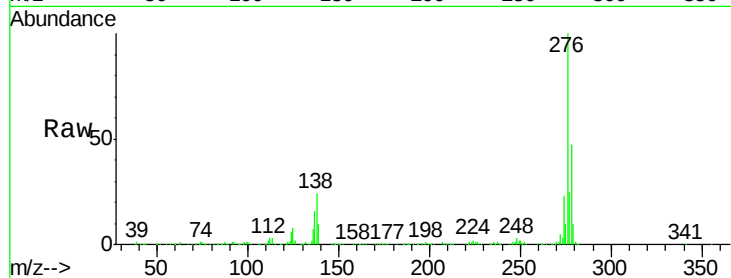
#85
Indeno(1,2,3-cd)pyrene
Concen: 57.68 ng
RT: 16.57 min Scan# 1267
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.9	20.6	30.8
277	24.9	20.1	30.1

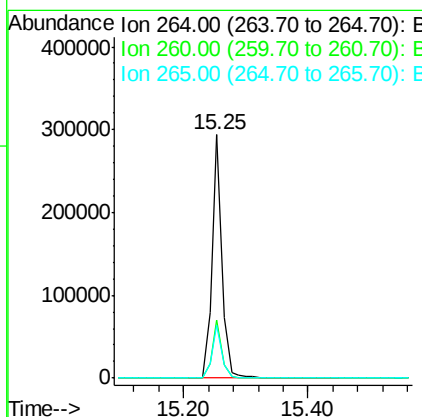
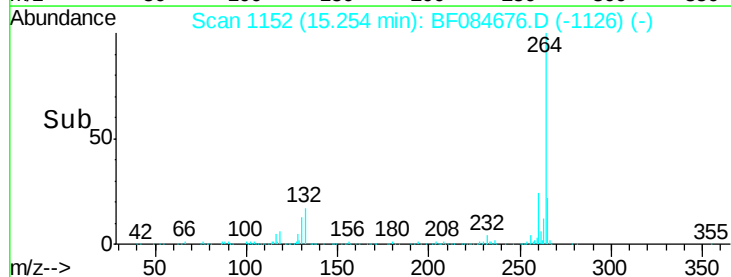
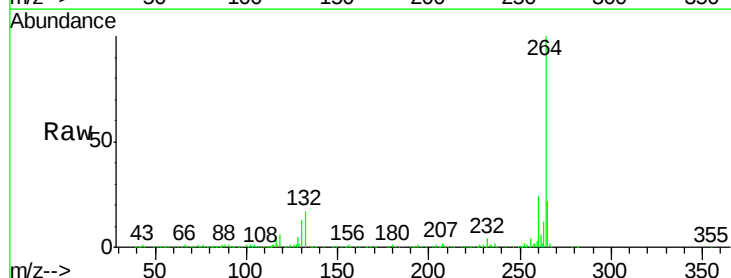
Manual Integrations
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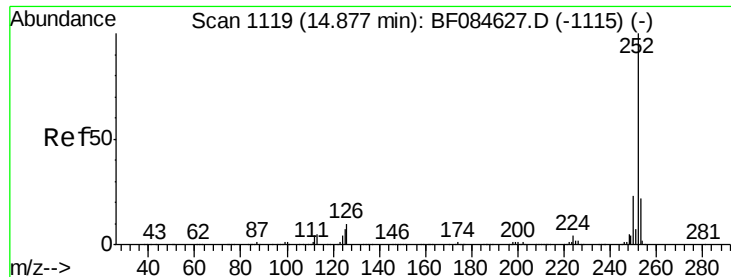
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.5	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 50.20 ng m

RT: 14.88 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Instrument :

BNA_F

ClientSampleId :

WESTWALL-UST-115MSD

Tot Ion:252 Resp: 1037430

Ion Ratio Lower Upper

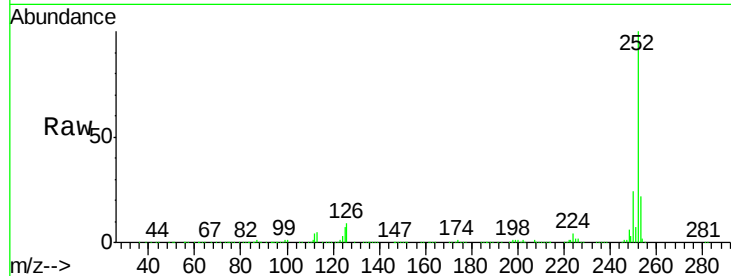
252 100

253 22.5 17.3 25.9

125 7.1 6.5 9.7

Manual Integrations
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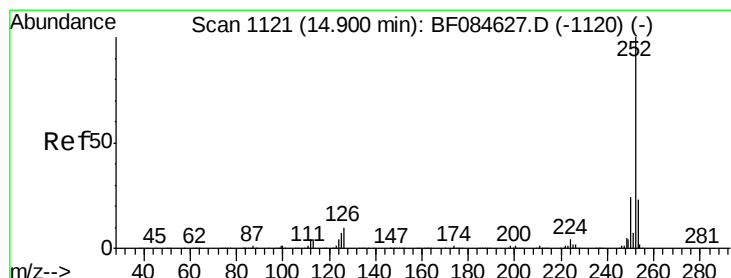
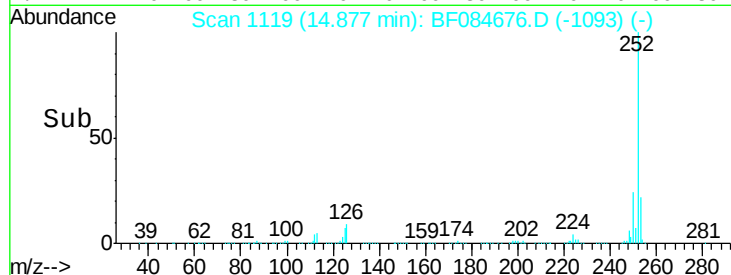
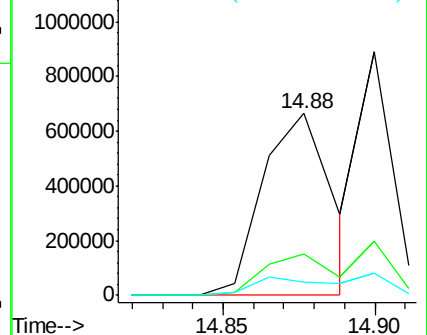
mohammad
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 42.16 ng m

RT: 14.90 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Tgt Ion:252 Resp: 719702

Ion Ratio Lower Upper

252 100

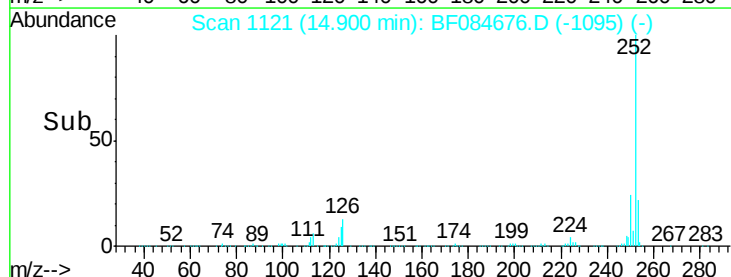
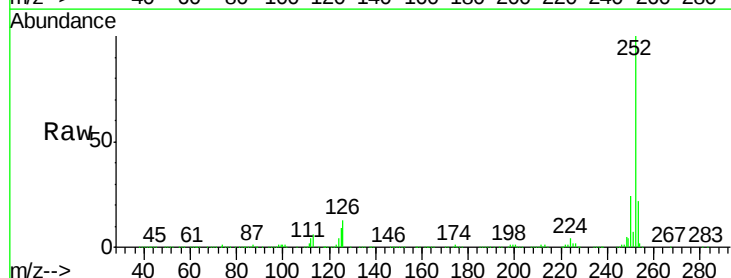
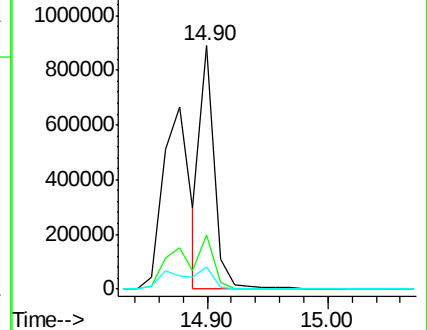
253 22.3 18.1 27.1

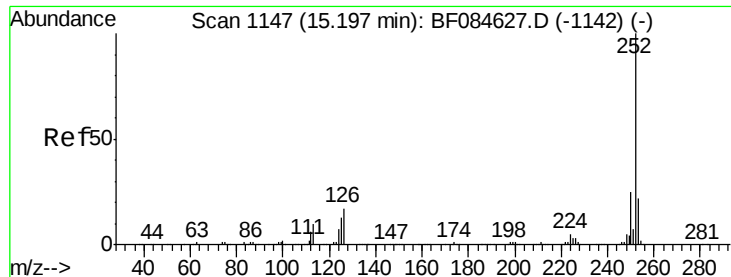
125 8.9 9.0 13.6#

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





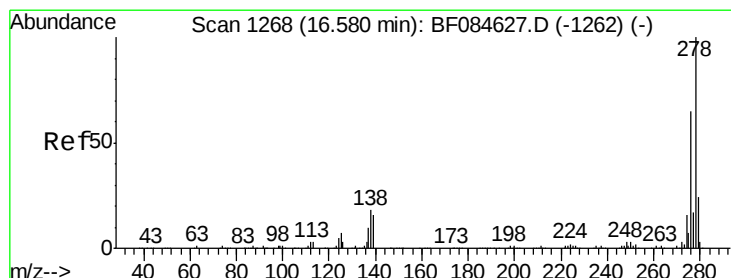
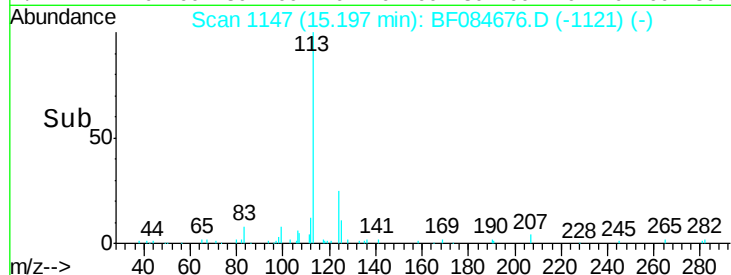
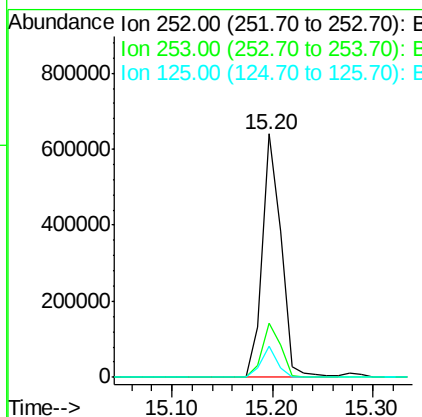
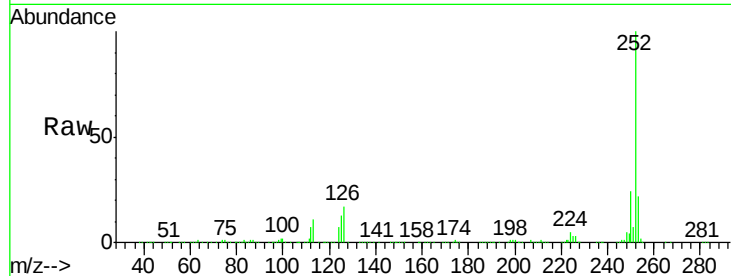
#89
Benzo(a)pyrene
Concen: 46.47 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Instrument :
BNA_F
ClientSampleId :
WESTWALL-UST-115MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	12.7	7.0	10.4

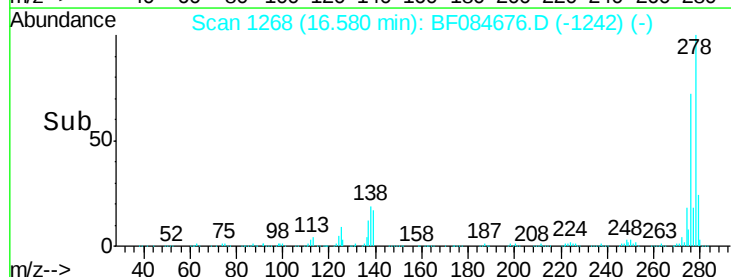
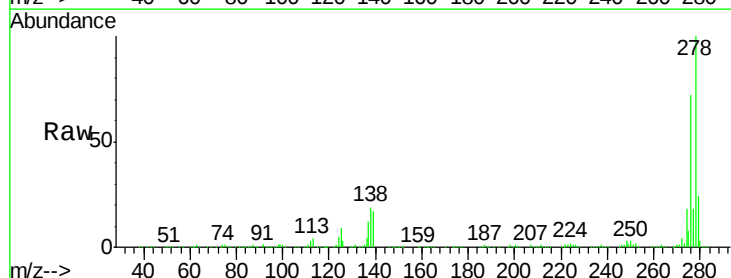
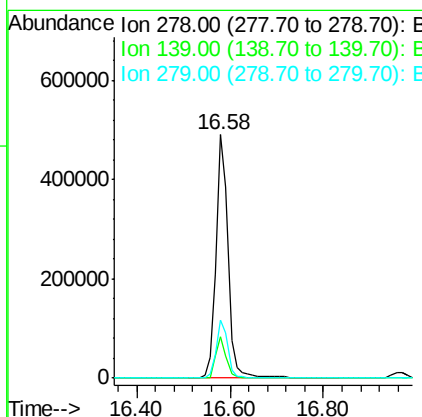
Manual Integrations
APPROVED

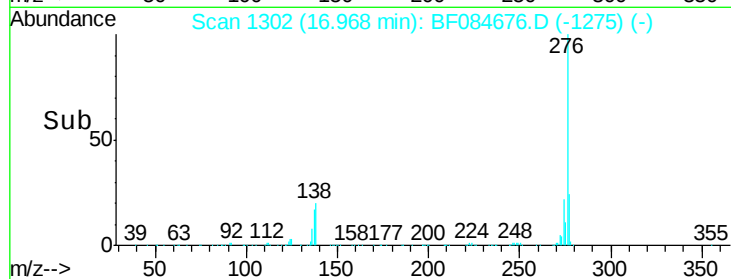
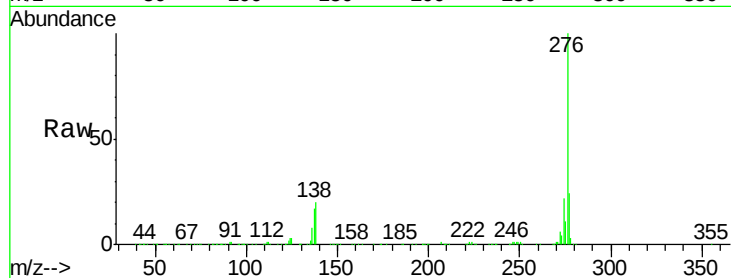
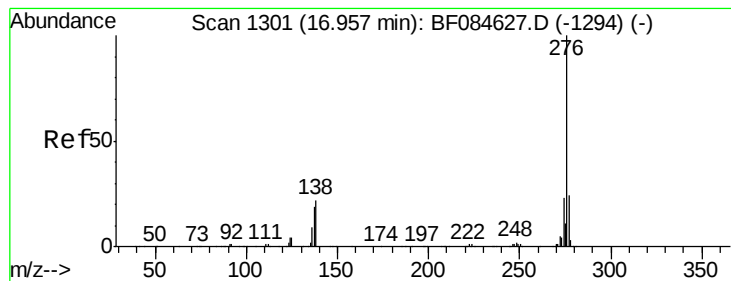
mohammad
2/1/2016 2:25:48 PM



#90
Dibenzo(a,h)anthracene
Concen: 54.71 ng
RT: 16.58 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF084676.D
Acq: 30 Jan 2016 10:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	15.0	22.4
279	23.7	18.9	28.3





#91

Benzo(a,h,i)perylene

Concen: 55.82 ng

RT: 16.97 min Scan# 1302

Delta R.T. 0.01 min

Lab File: BF084676.D

Acq: 30 Jan 2016 10:41

Tot Ion:	276	Resp:	908110
Ion Ratio		Lower	Upper
276	100		
277	23.6	18.8	28.2
138	19.9	17.8	26.6

Instrument :

BNA_F

ClientSampleId :

WESTWALL-UST-115MSD

Manual Integrations
APPROVED

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2/1/2016 2:25:48 PM

