

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
 Data File : BF084670.D
 Acq On : 30 Jan 2016 7:55
 Operator : SJ/IZ
 Sample : H1272-09MSD
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)MSD

Manual Integrations
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Quant Time: Feb 01 01:00:39 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	171665	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	680780	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	311233	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	542762	20.00	ng	0.00
75) Chrysene-d12	13.87	240	335783	20.00	ng	0.00
86) Perylene-d12	15.25	264	301052	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1459213	128.31	ng	0.02
7) Phenol-d6	6.37	99	1757456	128.94	ng	0.00
23) Nitrobenzene-d5	7.30	82	1125538	92.40	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	438468	134.42	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1677012	80.09	ng	0.00
78) Terphenyl-d14	12.83	244	1380459	92.85	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.29	88	186232	35.12	ng	# 77
3) Pyridine	2.97	79	511593	36.21	ng	# 77
4) n-Nitrosodimethylamine	2.92	42	289116	41.86	ng	83
6) Aniline	6.38	93	530897	30.34	ng	# 52
8) 2-Chlorophenol	6.51	128	536993	42.57	ng	91
9) Benzaldehyde	6.27	77	28576	3.62	ng	92
10) Phenol	6.40	94	622528	40.98	ng	99
11) bis(2-Chloroethyl)ether	6.46	93	502646	42.54	ng	# 82
12) 1,3-Dichlorobenzene	6.66	146	521389m	38.58	ng	
13) 1,4-Dichlorobenzene	6.74	146	532793	40.17	ng	97
14) 1,2-Dichlorobenzene	6.90	146	532297	43.58	ng	97
15) Benzyl Alcohol	6.88	79	429186	46.26	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.01	45	814162	40.26	ng	86
17) 2-Methylphenol	7.00	107	457044	46.74	ng	96
18) Hexachloroethane	7.24	117	213212	41.09	ng	# 83
19) n-Nitroso-di-n-propylamine	7.15	70	366877	44.07	ng	# 75
20) 3+4-Methylphenols	7.15	107	534289	45.02	ng	# 72
22) Acetophenone	7.14	105	753582	42.38	ng	99
24) Nitrobenzene	7.31	77	519179	40.10	ng	94
25) Isophorone	7.56	82	1035297	45.36	ng	95
26) 2-Nitrophenol	7.63	139	291442	47.33	ng	# 86
27) 2,4-Dimethylphenol	7.68	122	456238	42.29	ng	96
28) bis(2-Chloroethoxy)methane	7.77	93	621723	45.39	ng	98
29) 2,4-Dichlorophenol	7.88	162	441606	46.80	ng	93
30) 1,2,4-Trichlorobenzene	7.95	180	460747	42.69	ng	96
31) Naphthalene	8.03	128	1399928	40.74	ng	99
32) Benzoic acid	7.76	122	22999	2.78	ng	93
33) 4-Chloroaniline	8.09	127	261393	18.70	ng	96
34) Hexachlorobutadiene	8.16	225	270669	42.44	ng	99
35) Caprolactam	8.46	113	139263m	51.43	ng	
36) 4-Chloro-3-methylphenol	8.58	107	487109	46.88	ng	92
37) 2-Methylnaphthalene	8.73	142	1069382	50.69	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.89	216	394025	39.04	ng	99
40) Hexachlorocyclopentadiene	8.88	237	416825	90.83	ng	97

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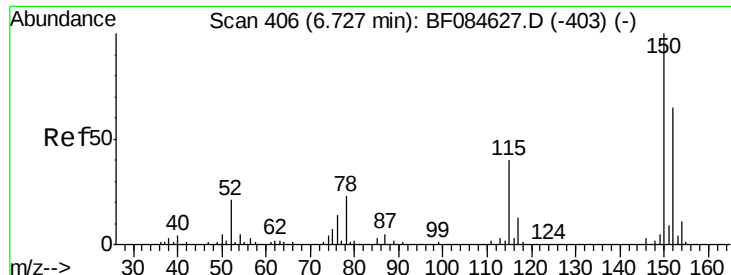
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Quant Time: Feb 01 01:00:39 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.01	196	293669	46.84	nq	93
43) 2,4,5-Trichlorophenol	9.06	196	317285	49.01	nq	97
45) 1,1'-Biphenyl	9.20	154	1197099	41.97	nq	95
46) 2-Chloronaphthalene	9.21	162	889027	42.72	nq	98
47) 2-Nitroaniline	9.31	65	269535	43.12	nq	96
48) Acenaphthylene	9.63	152	1404949	44.56	nq	98
49) Dimethylphthalate	9.50	163	1302851	55.77	nq	# 91
50) 2,6-Dinitrotoluene	9.56	165	250599	48.76	nq	95
51) Acenaphthene	9.80	154	964808	45.69	nq	97
52) 3-Nitroaniline	9.72	138	156364	29.12	nq	96
53) 2,4-Dinitrophenol	9.84	184	92905	36.63	nq	# 80
54) Dibenzofuran	9.97	168	1269371	50.37	nq	98
55) 4-Nitrophenol	9.90	139	358827	90.96	nq	# 84
56) 2,4-Dinitrotoluene	9.96	165	321517	48.15	nq	95
57) Fluorene	10.32	166	926666	43.38	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.09	232	232121	47.43	nq	93
59) Diethylphthalate	10.20	149	1030307	45.06	nq	96
60) 4-Chlorophenyl-phenylether	10.30	204	403577	42.09	nq	96
61) 4-Nitroaniline	10.34	138	232653	45.77	nq	93
62) Azobenzene	10.46	77	1084397	49.55	nq	90
64) 4,6-Dinitro-2-methylphenol	10.36	198	137295	38.73	nq	# 47
65) n-Nitrosodiphenylamine	10.43	169	879386	49.97	nq	98
66) 4-Bromophenyl-phenylether	10.80	248	295087	48.27	nq	# 94
67) Hexachlorobenzene	10.85	284	284584	42.80	nq	# 85
68) Atrazine	10.96	200	229815	43.58	nq	99
69) Pentachlorophenol	11.06	266	285782	88.96	nq	98
70) Phenanthrene	11.26	178	1399232	46.62	nq	97
71) Anthracene	11.32	178	1475982	48.37	nq	99
72) Carbazole	11.48	167	1268118	48.22	nq	98
73) Di-n-butylphthalate	11.81	149	1343490	42.00	nq	# 96
74) Fluoranthene	12.45	202	1512389	50.97	nq	94
76) Benzidine	12.58	184	610628	47.81	nq	99
77) Pyrene	12.68	202	1419641	56.05	nq	100
79) Butylbenzylphthalate	13.31	149	537160	49.65	nq	# 83
80) Benzo(a)anthracene	13.86	228	959030	45.82	nq	99
81) 3,3'-Dichlorobenzidine	13.83	252	188990	25.66	nq	# 95
82) Chrysene	13.89	228	867940	42.07	nq	99
83) Bis(2-ethylhexyl)phthalate	13.87	149	728068	51.88	nq	# 98
84) Di-n-octyl phthalate	14.48	149	1068621	48.19	nq	# 89
85) Indeno(1,2,3-cd)pyrene	16.57	276	983933	53.94	nq	99
87) Benzo(b)fluoranthene	14.88	252	1000542m	51.33	nq	
88) Benzo(k)fluoranthene	14.90	252	643941m	39.99	nq	
89) Benzo(a)pyrene	15.20	252	782924	46.43	nq	# 96
90) Dibenzo(a,h)anthracene	16.58	278	782847	51.51	nq	98
91) Benzo(g,h,i)perylene	16.96	276	862110	56.19	nq	98

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



#1

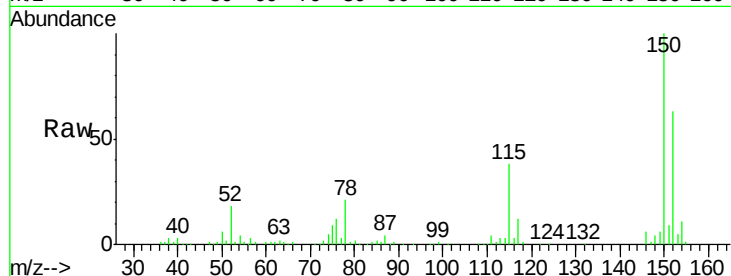
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

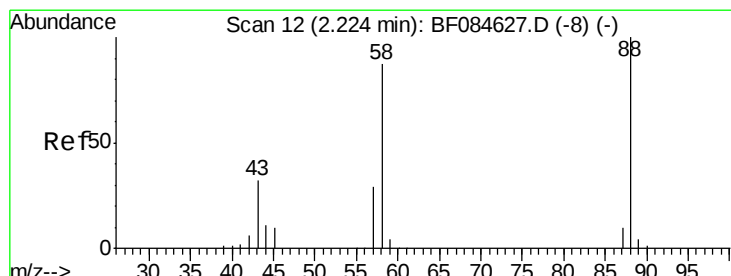
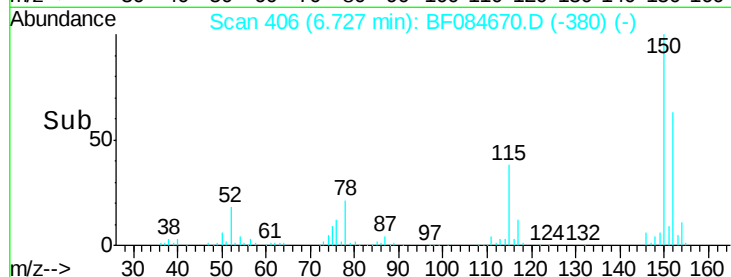
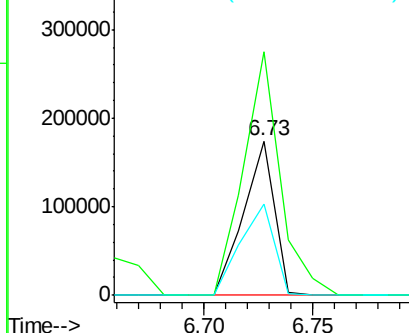
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	123.0	184.4
115	59.5	51.4	77.2

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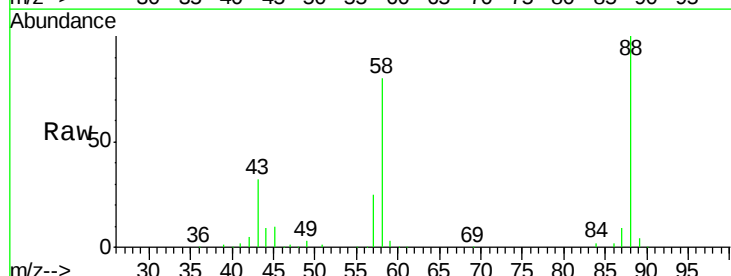
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



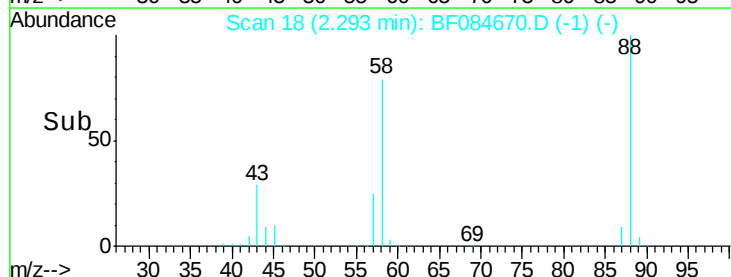
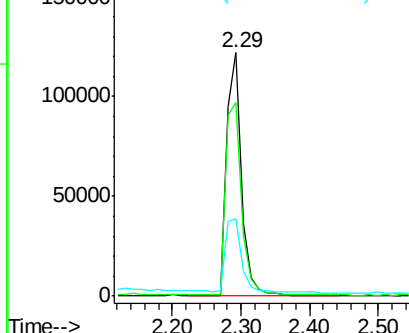
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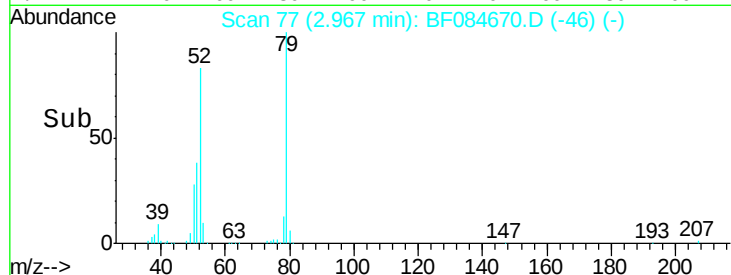
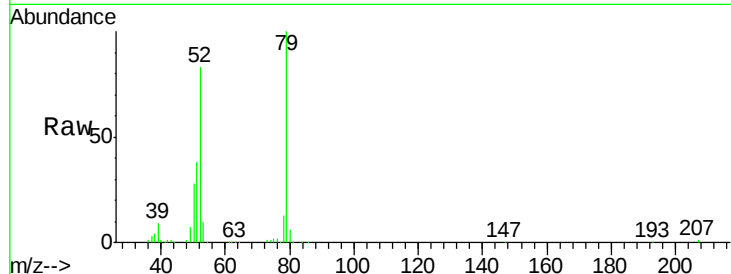
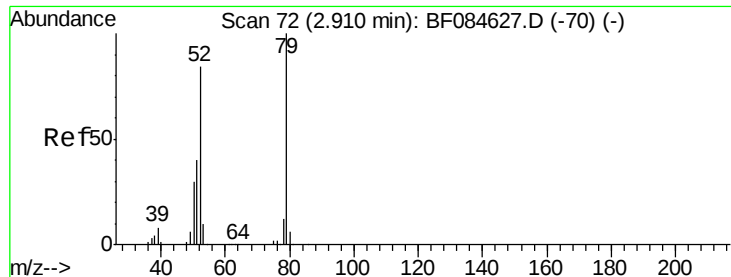
1,4-Dioxane
Concen: 35.12 ng
RT: 2.29 min Scan# 18
Delta R.T. 0.07 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.2	51.2	76.8#
43	32.8	19.5	29.3#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





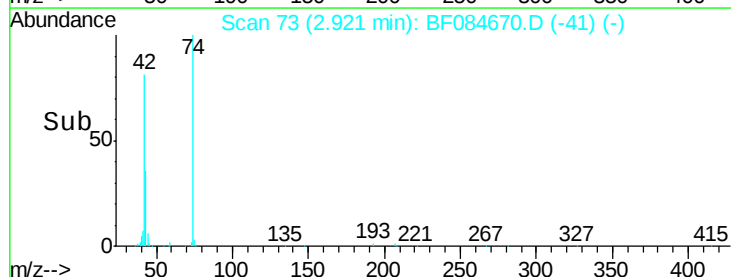
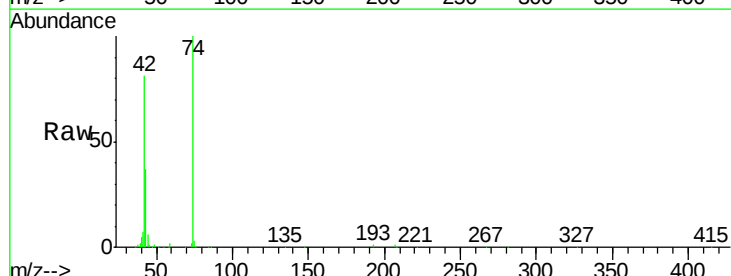
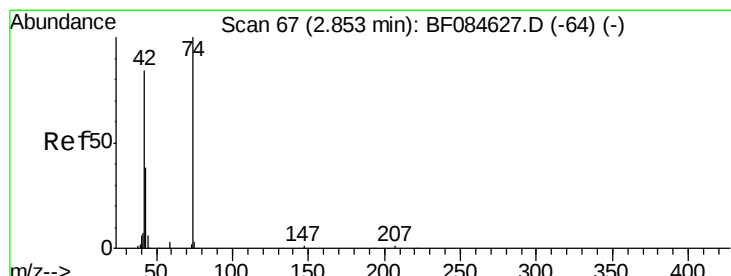
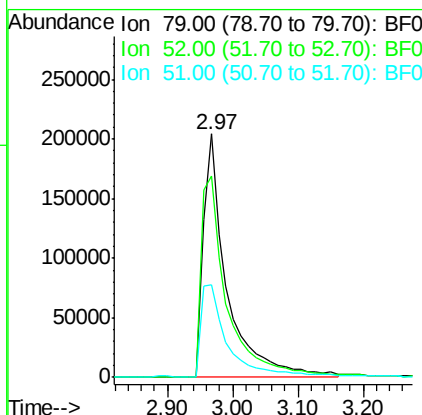
#3
 Pvridine
 Concen: 36.21 ng
 RT: 2.97 min Scan# 77
 Delta R.T. 0.06 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Tot Ion	Ratio	Lower	Upper
79	100		
52	82.8	49.0	73.4#
51	38.3	25.2	37.8#

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)MSD

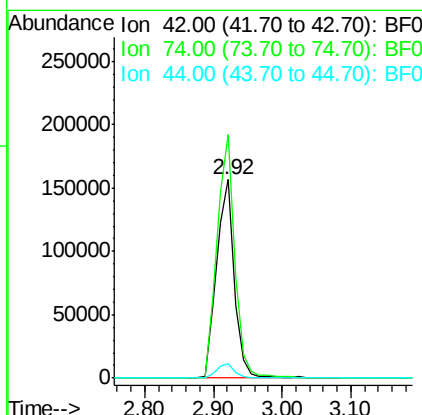
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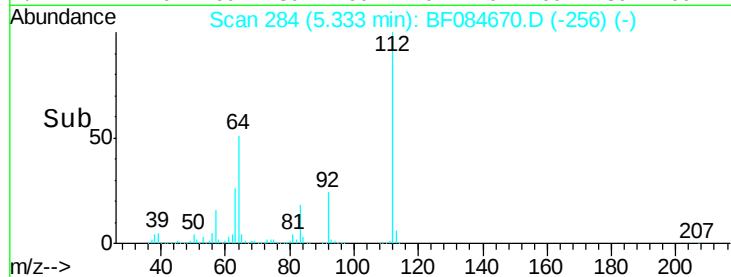
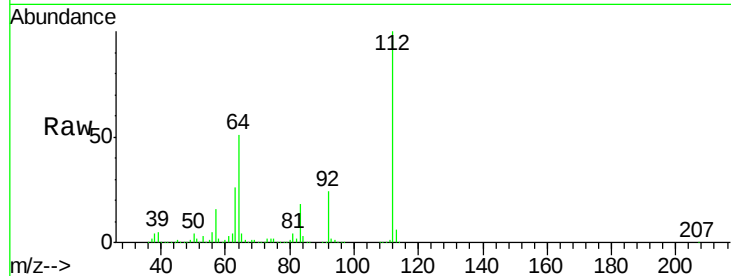
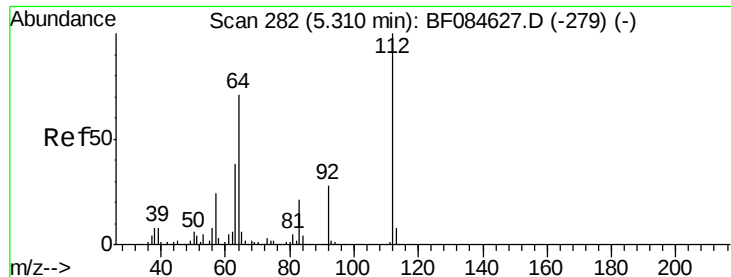
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#4
 n-Nitrosodimethylamine
 Concen: 41.86 ng
 RT: 2.92 min Scan# 73
 Delta R.T. 0.07 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
42	100		
74	122.8	115.7	173.5
44	7.5	5.1	7.7





#5

2-Fluorophenol

Concen: 128.31 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion:112 Resp: 1459213

Ion Ratio Lower Upper

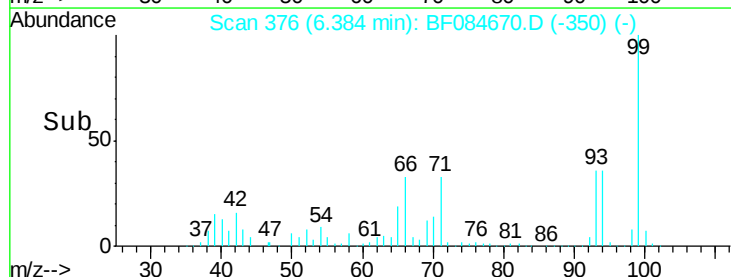
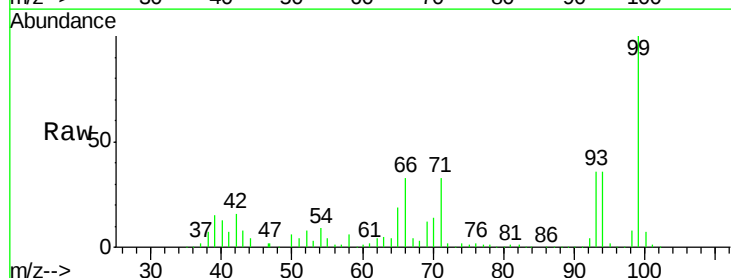
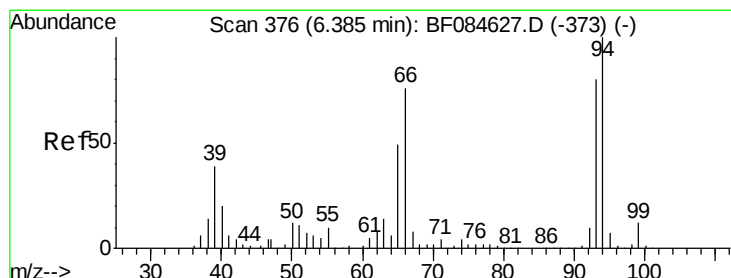
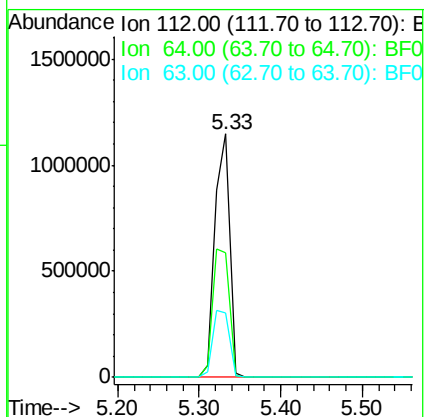
112 100

64 51.2 36.6 55.0

63 26.4 19.4 29.0

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#6

Aniline

Concen: 30.34 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

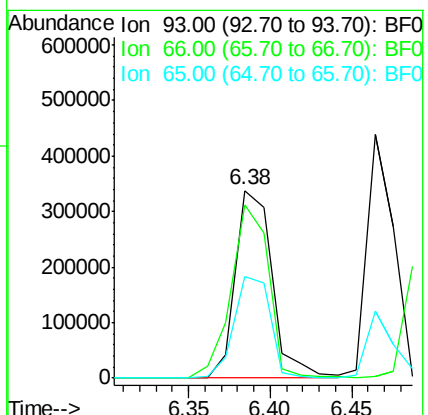
Tgt Ion: 93 Resp: 530897

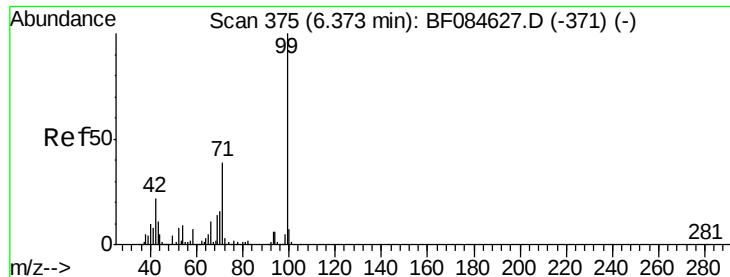
Ion Ratio Lower Upper

93 100

66 92.3 44.9 67.3#

65 54.0 23.7 35.5#





#7

Phenol-d6

Concen: 128.94 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion: 99 Resp: 1757456

Ion Ratio Lower Upper

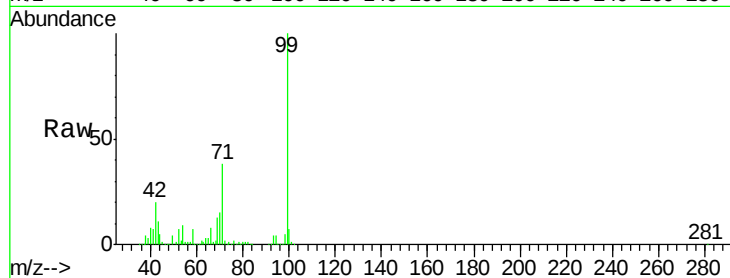
99 100

42 20.5 12.8 19.2#

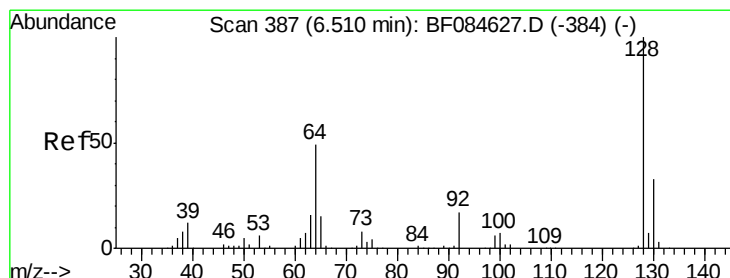
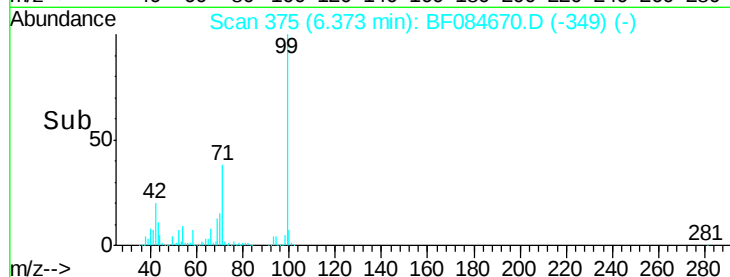
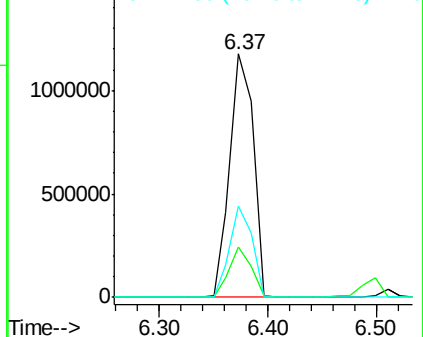
71 37.6 30.9 46.3

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 42.57 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

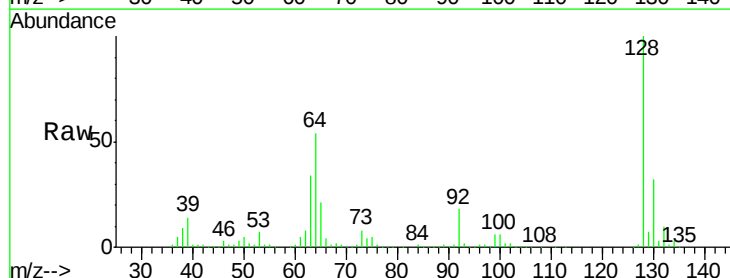
Tgt Ion: 128 Resp: 536993

Ion Ratio Lower Upper

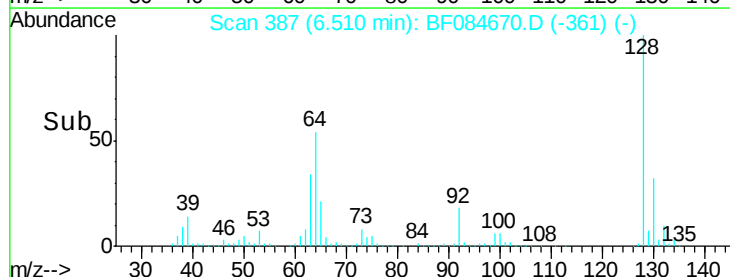
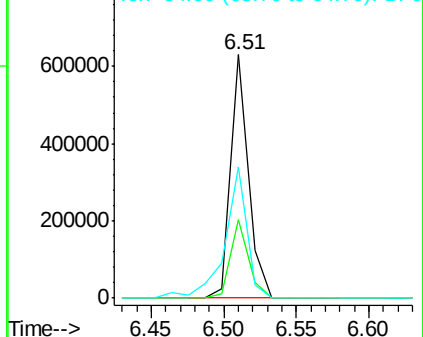
128 100

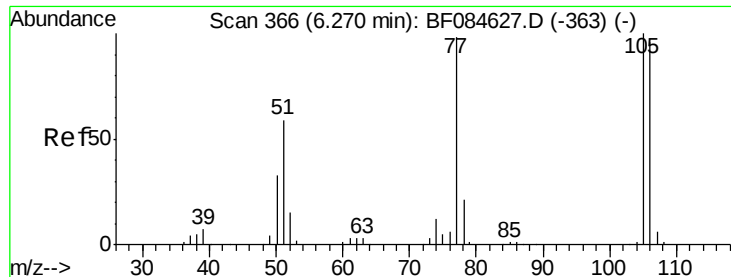
130 32.1 11.6 51.6

64 53.7 23.8 63.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 3.62 ng

RT: 6.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

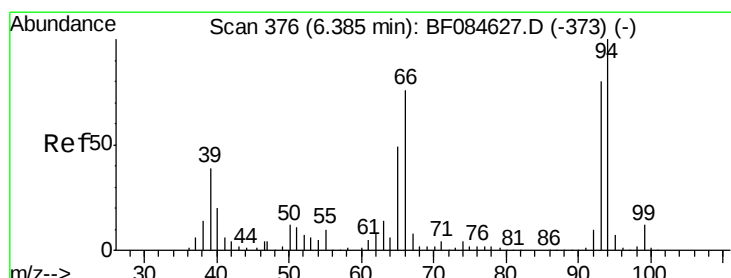
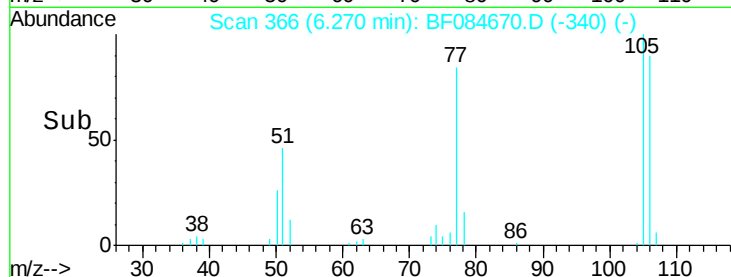
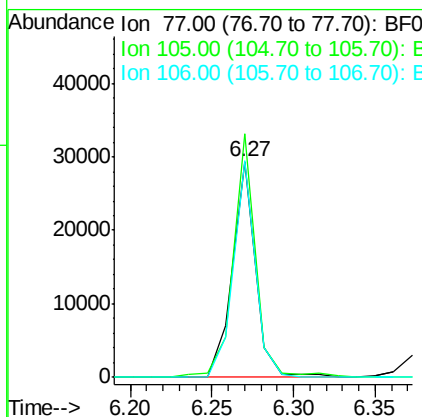
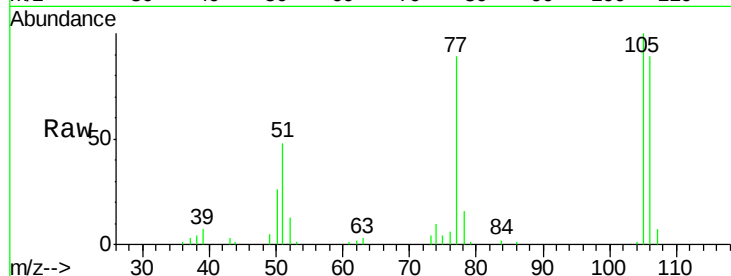
ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion:	77	Resp:	28576
Ion	Ratio	Lower	Upper
77	100		
105	113.0	83.0	123.0
106	100.8	74.6	114.6

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#10

Phenol

Concen: 40.98 ng

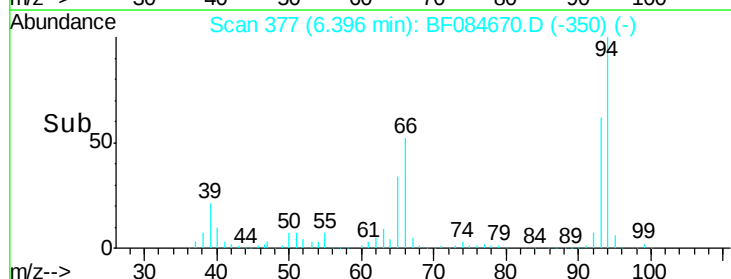
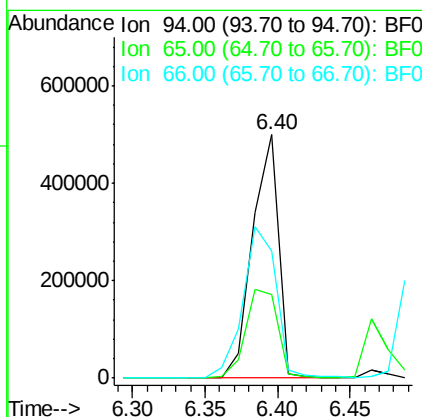
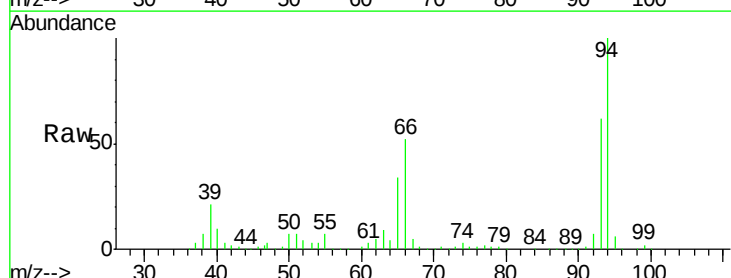
RT: 6.40 min Scan# 377

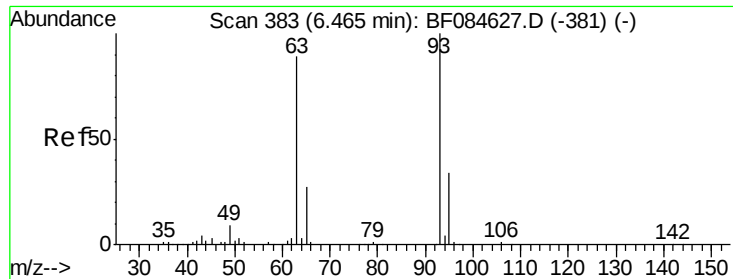
Delta R.T. 0.01 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Tgt Ion:	94	Resp:	622528
Ion	Ratio	Lower	Upper
94	100		
65	34.2	12.9	52.9
66	52.3	32.7	72.7





#11

bis(2-Chloroethyl)ether

Concen: 42.54 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

ClientSampleId :

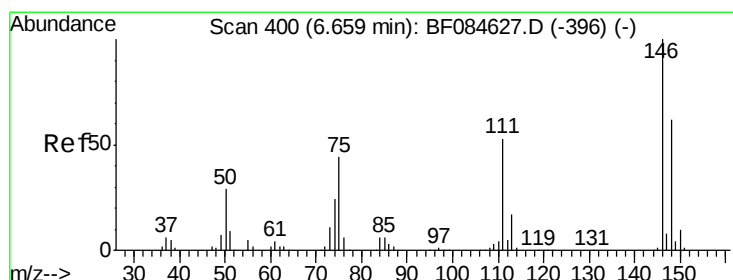
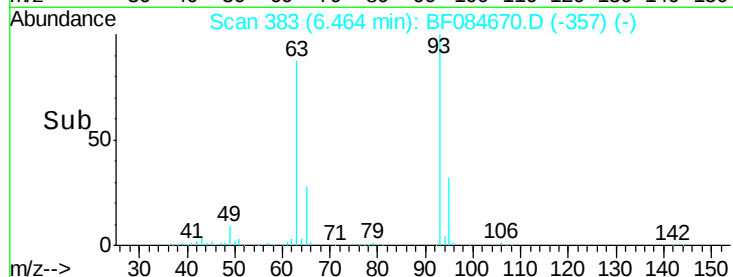
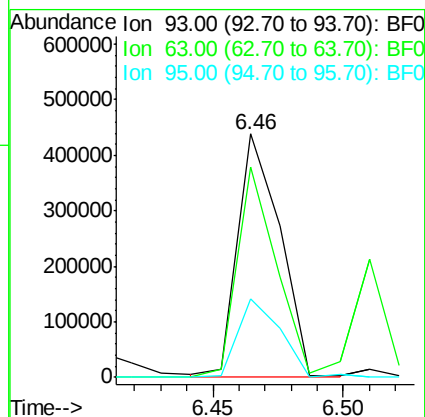
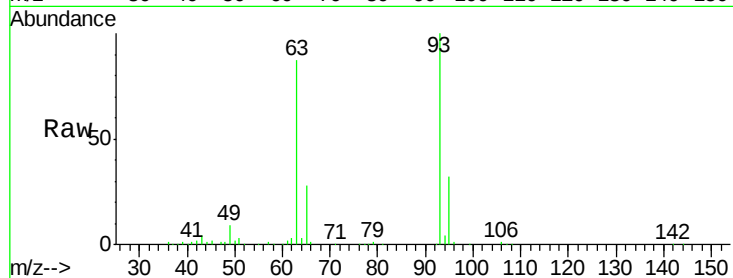
SUP-B013(20-23)MSD

Tot Ion: 93 Resp: 502646

Ion	Ratio	Lower	Upper
93	100		
63	86.6	45.9	85.9#
95	32.4	12.3	52.3

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 38.58 ng m

RT: 6.66 min Scan# 400

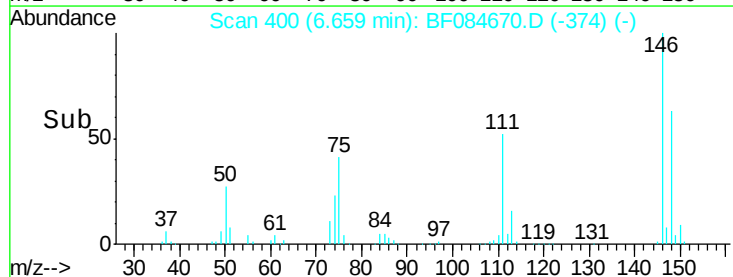
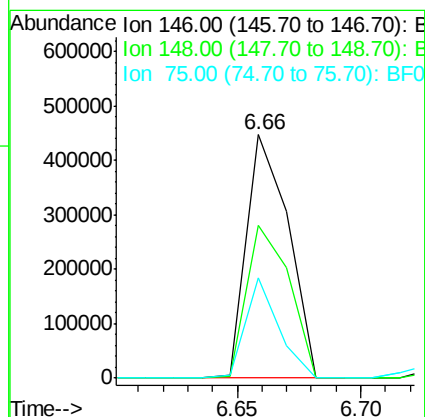
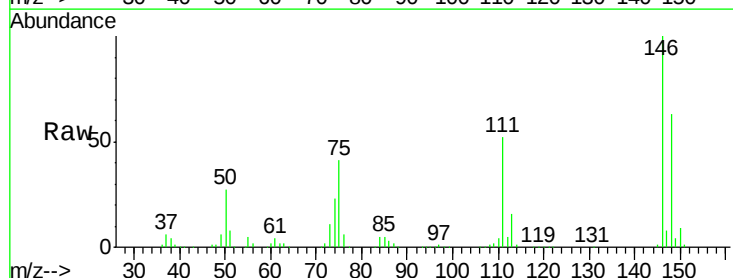
Delta R.T. -0.00 min

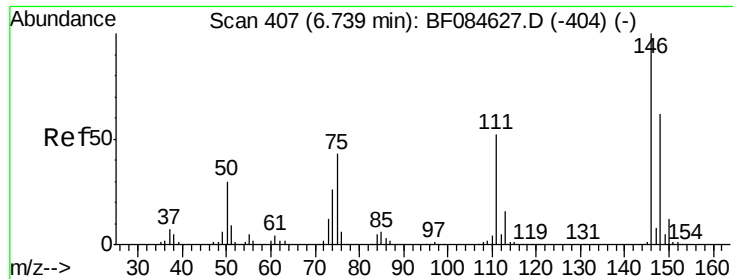
Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Tgt Ion: 146 Resp: 521389

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.9	77.9
75	41.2	20.5	30.7#





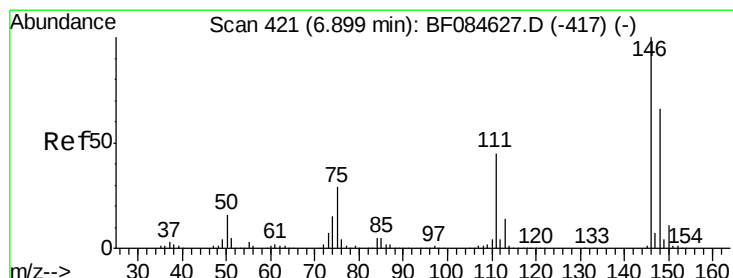
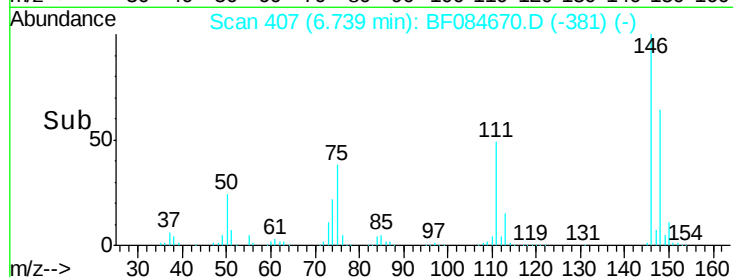
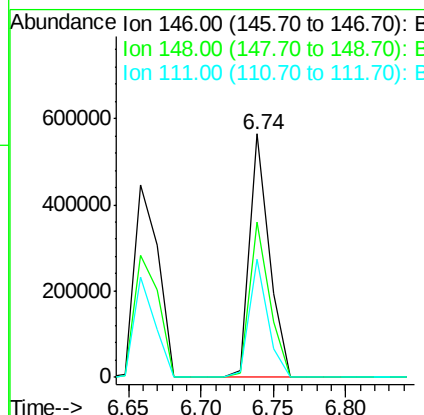
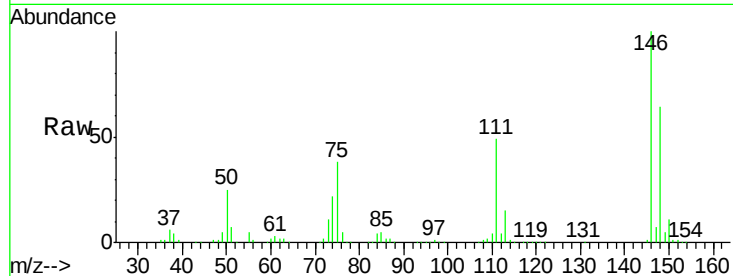
#13
 1,4-Dichlorobenzene
 Concen: 40.17 ng
 RT: 6.74 min Scan# 407
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.9	77.9
111	48.7	41.6	62.4

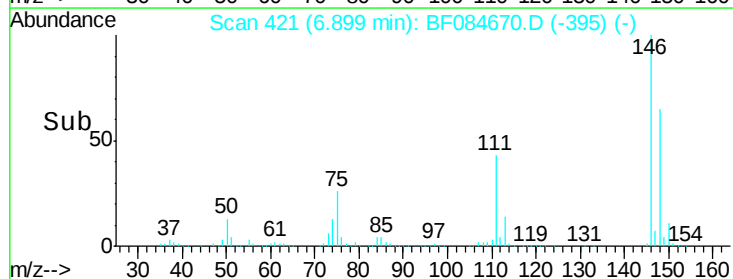
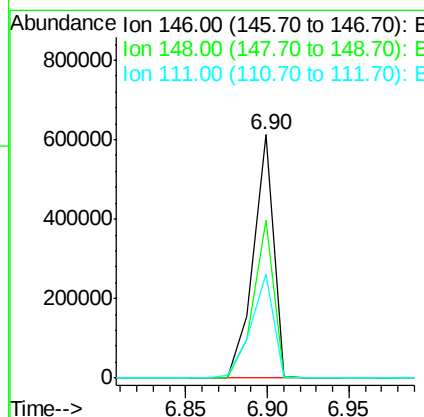
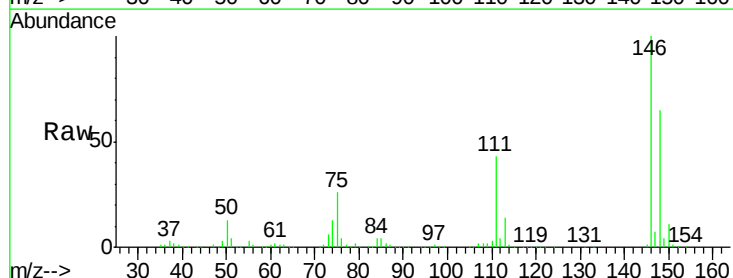
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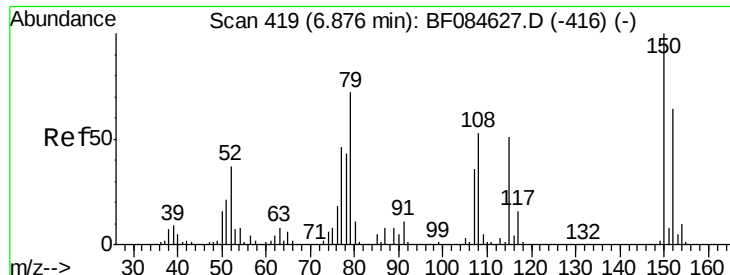
mohammad
 2/1/2016 2:25:32 PM



#14
 1,2-Dichlorobenzene
 Concen: 43.58 ng
 RT: 6.90 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.6	77.4
111	42.7	38.0	57.0





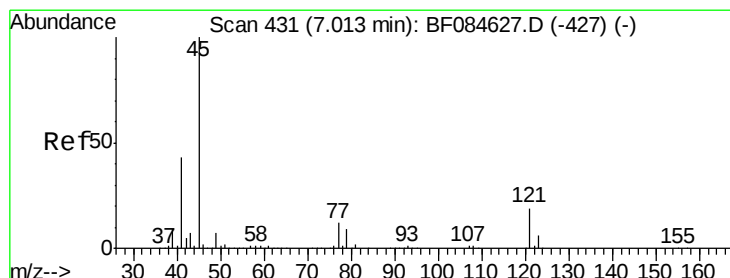
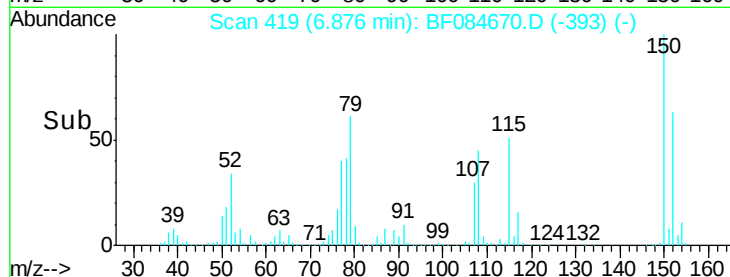
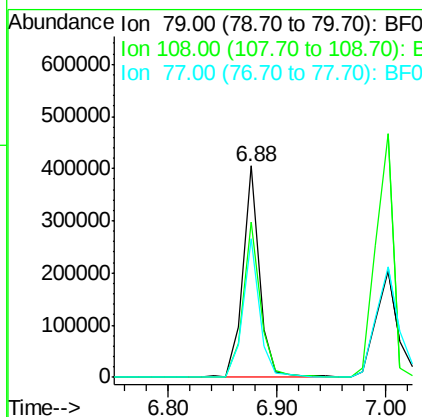
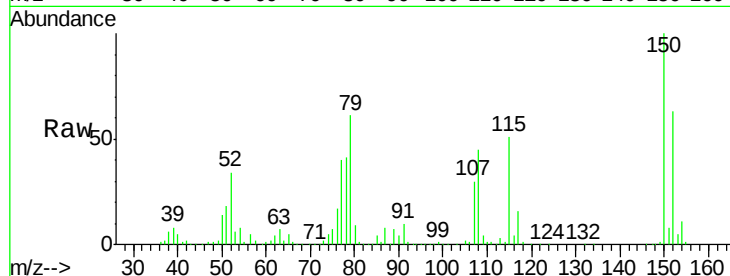
#15
Benzyl Alcohol
Concen: 46.26 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
108	73.4	69.0	103.4		
77	65.5	50.0	75.0		

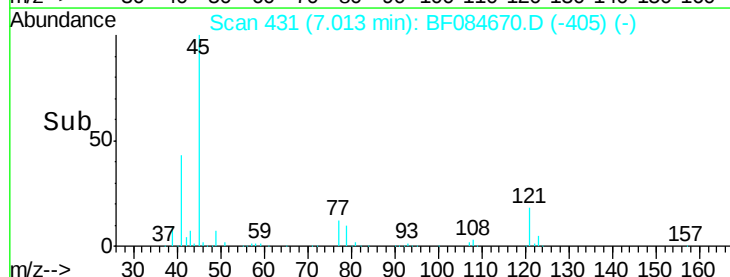
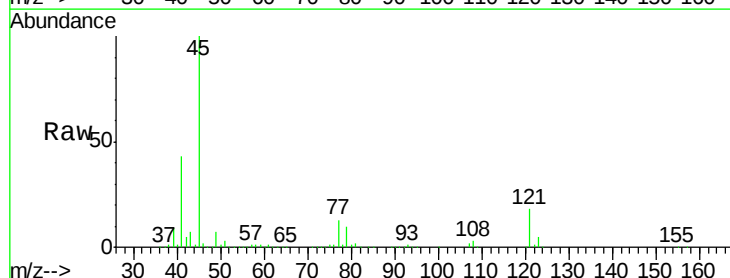
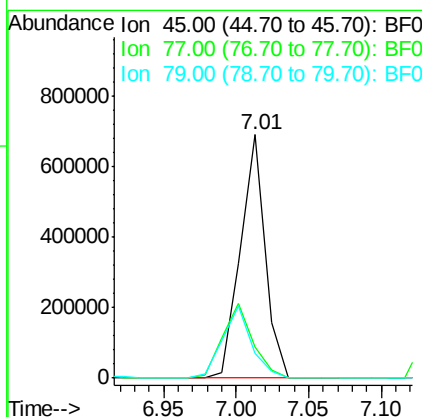
Manual Integrations
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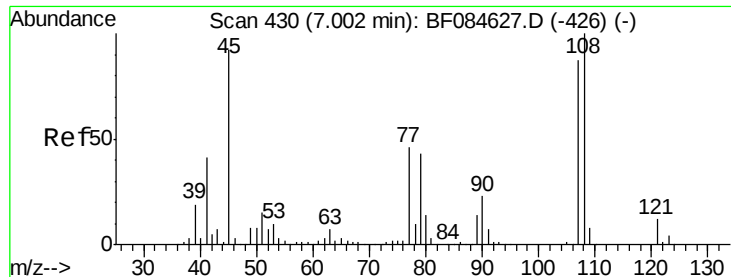
mohammad
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#16
2,2'-oxybis(1-chloropropane)
Concen: 40.26 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100				
77	12.8	0.0	39.6		
79	10.1	0.0	35.0		





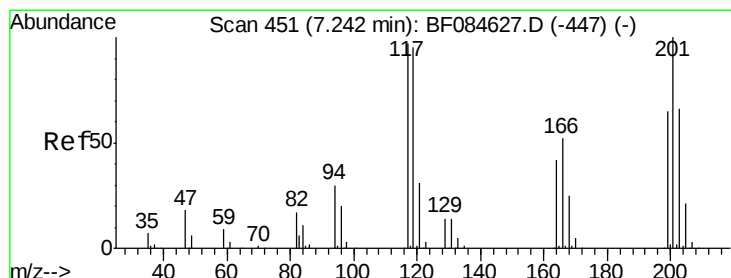
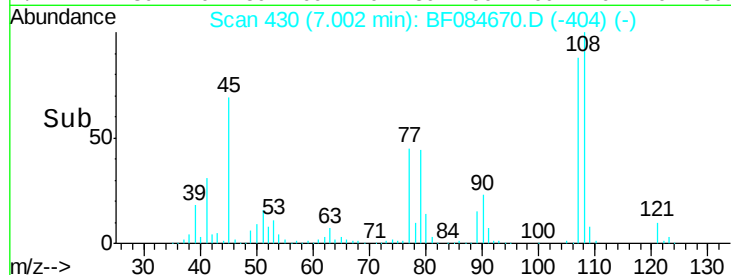
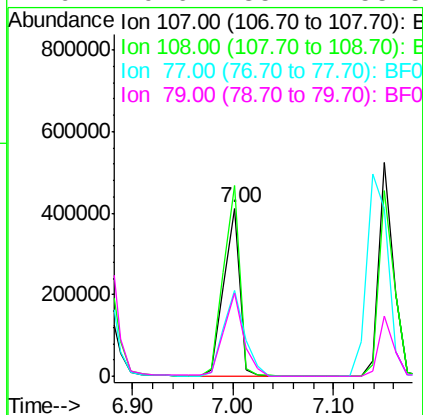
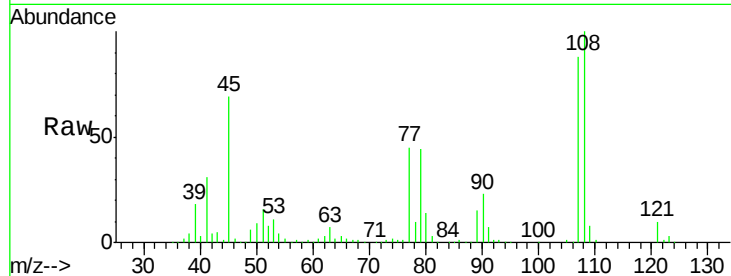
#17
2-Methylphenol
Concen: 46.74 ng
RT: 7.00 min Scan# 430
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	457044		
108	108	113.1	89.8	134.6	
77	77	51.1	35.7	53.5	
79	79	49.6	35.7	53.5	

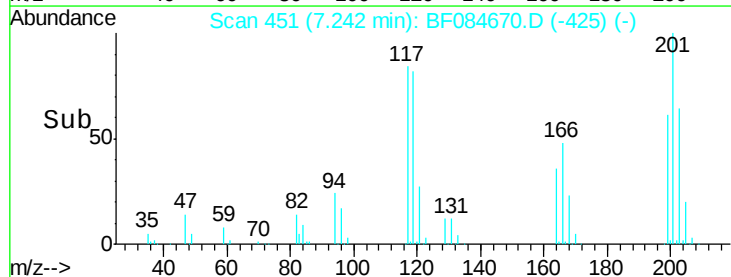
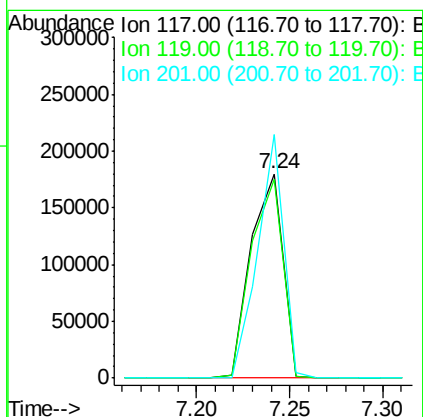
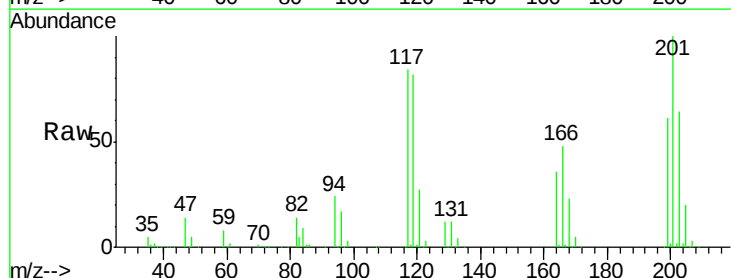
Manual Integrations
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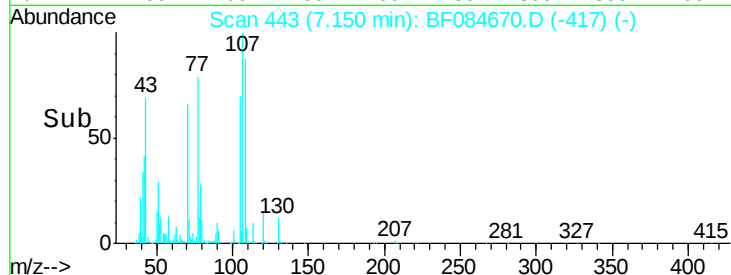
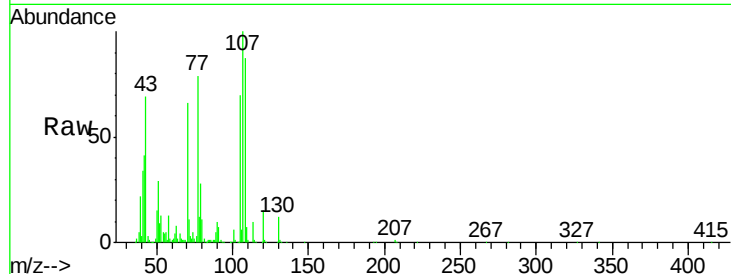
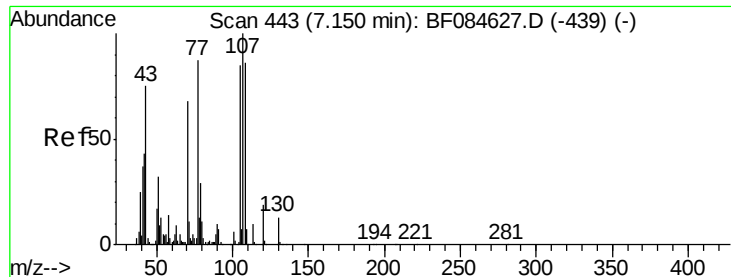
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#18
Hexachloroethane
Concen: 41.09 ng
RT: 7.24 min Scan# 451
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	213212		
119	119	97.4	77.4	116.0	
201	201	119.0	68.6	103.0	#





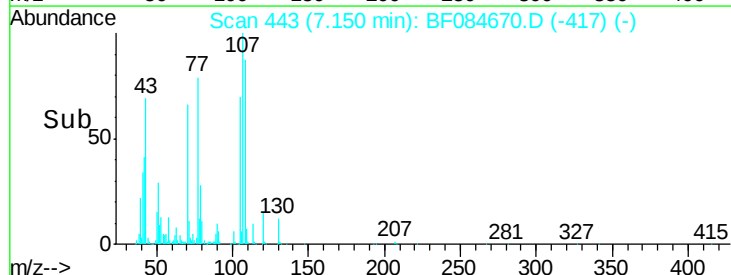
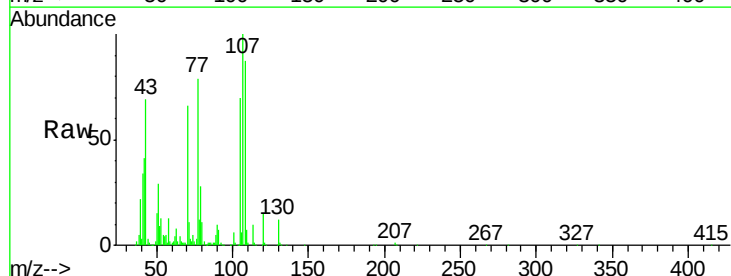
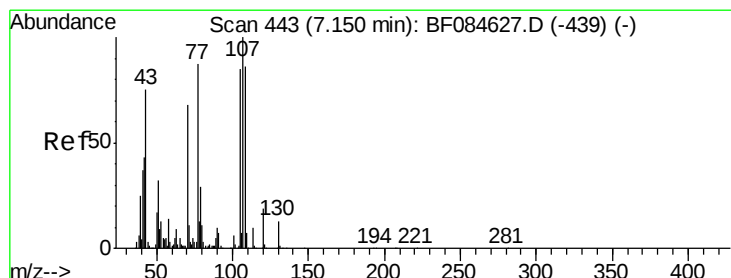
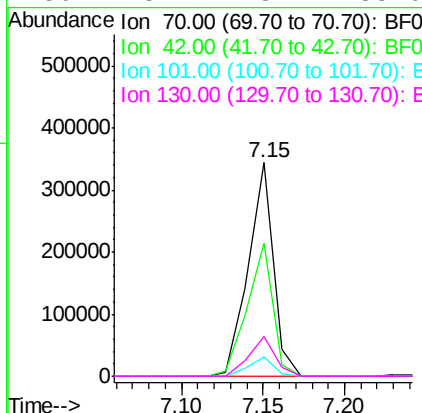
#19
n-Nitroso-di-n-propylamine
Concen: 44.07 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	62.2	33.3	49.9#
101	9.1	9.3	13.9#
130	18.4	23.4	35.0#

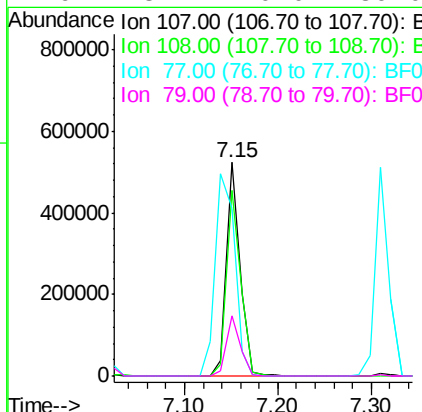
Manual Integrations
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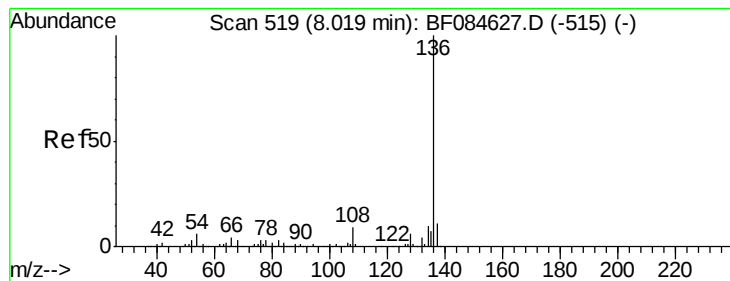
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#20
3+4-Methylphenols
Concen: 45.02 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.8	74.6	114.6
77	78.5	0.7	40.7#
79	28.2	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: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

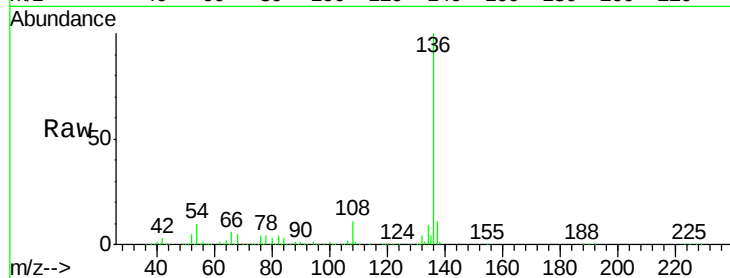
ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		680780		
137	10.9	8.7	13.1		
54	10.4	5.8	8.8#		
68	5.2	4.2	6.2		

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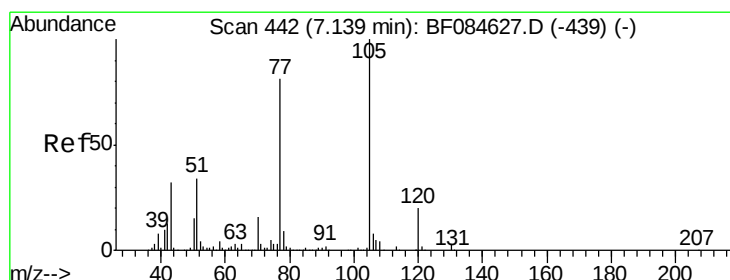
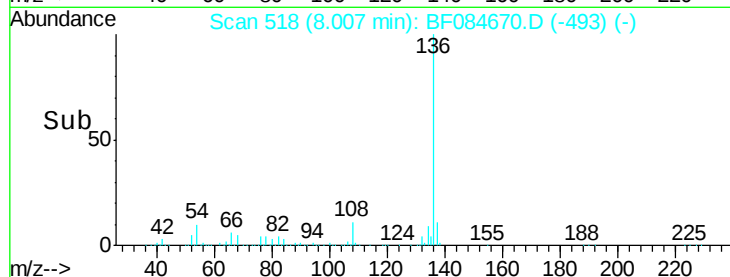
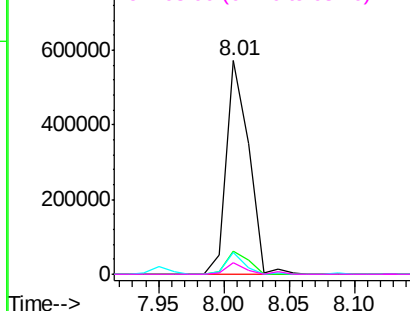


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.38 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

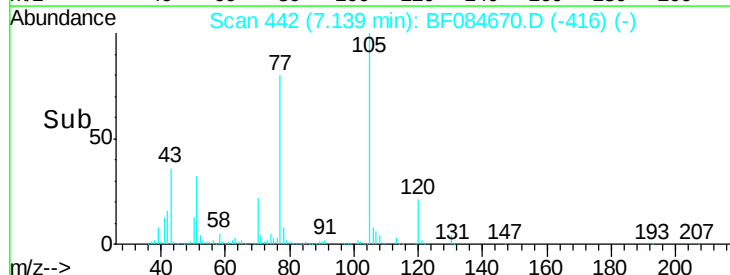
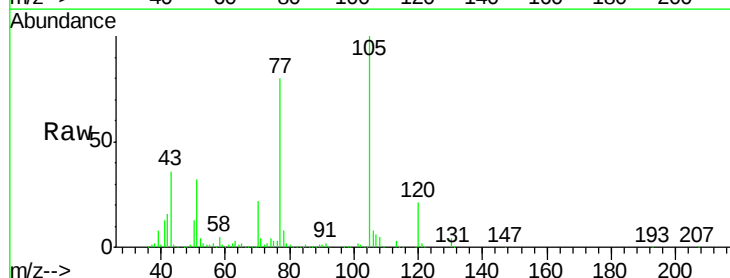
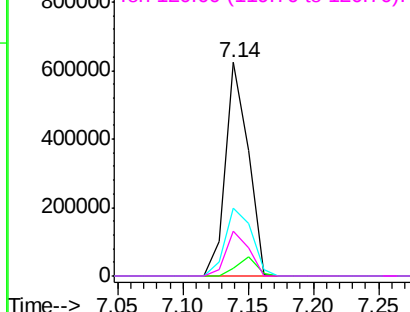
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		753582		
71	3.8	3.7	5.5		
51	31.8	25.1	37.7		
120	20.7	16.6	25.0		

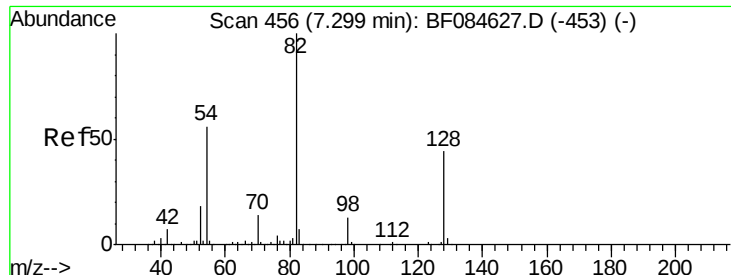
Abundance Ion 105.00 (104.70 to 105.70): E

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





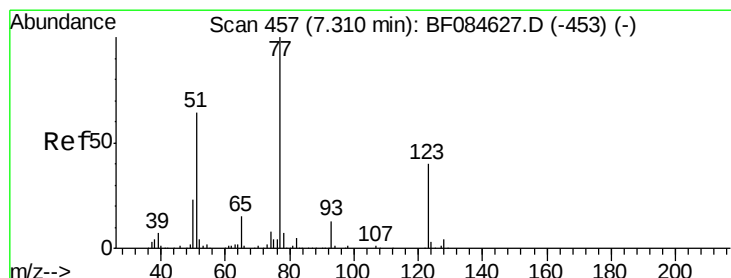
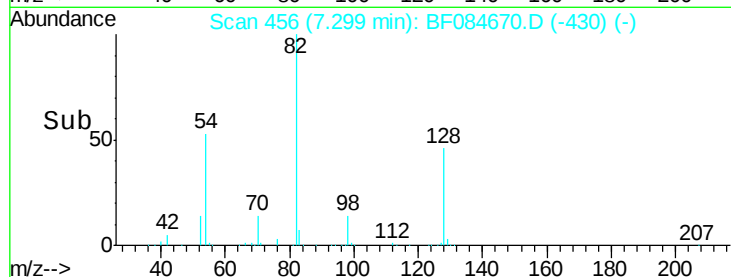
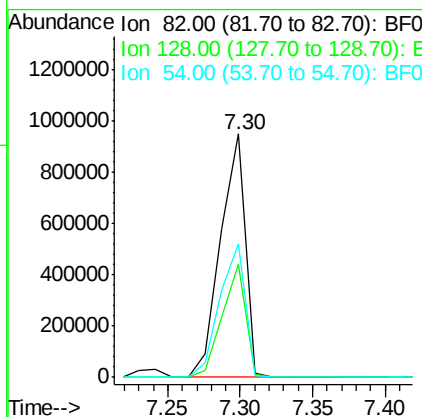
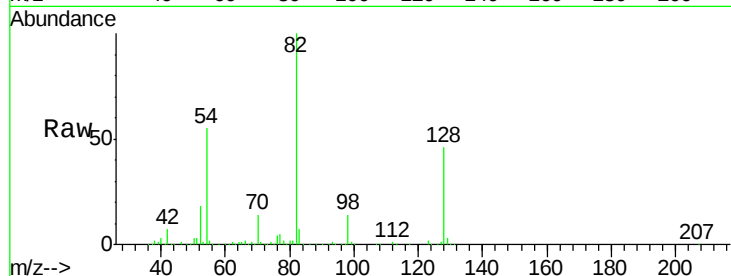
#23
 Nitrobenzene-d5
 Concen: 92.40 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)MSD

Tot Ion	82	Resp	112538
Ion Ratio	100	Lower	Upper
82	100		
128	46.3	34.6	51.8
54	54.9	38.4	57.6

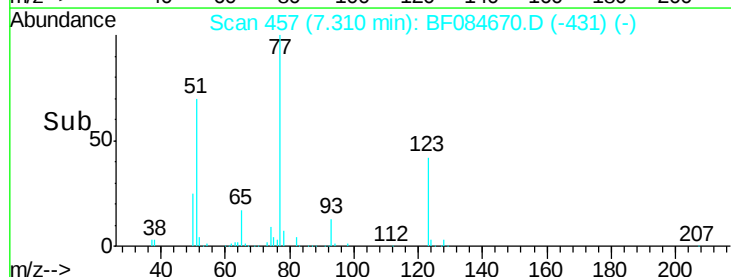
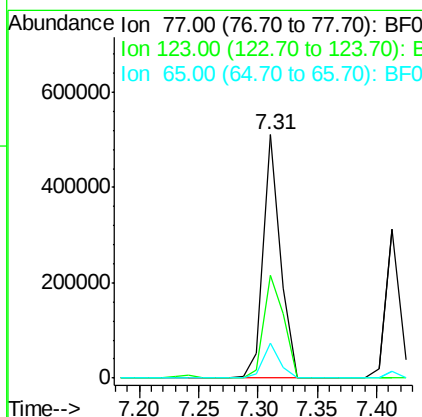
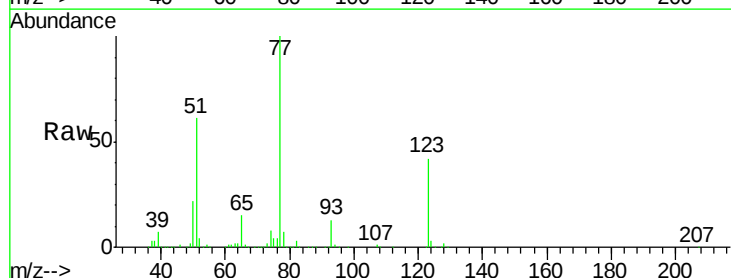
Manual Integrations
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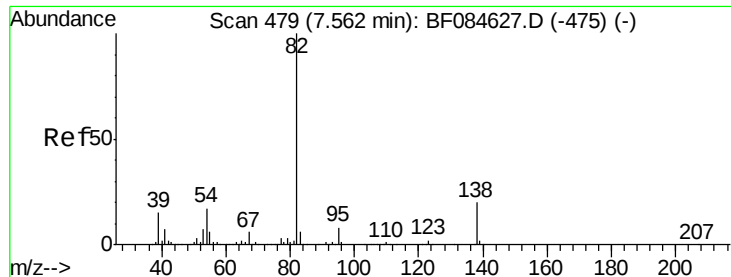
mohammad
 2/1/2016 2:25:32 PM



#24
 Nitrobenzene
 Concen: 40.10 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Tgt Ion	77	Resp	519179
Ion Ratio	100	Lower	Upper
77	100		
123	42.4	37.4	56.2
65	14.6	10.9	16.3





#25

Isophorone

Concen: 45.36 ng

RT: 7.56 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion: 82 Resp: 1035297

Ion Ratio Lower Upper

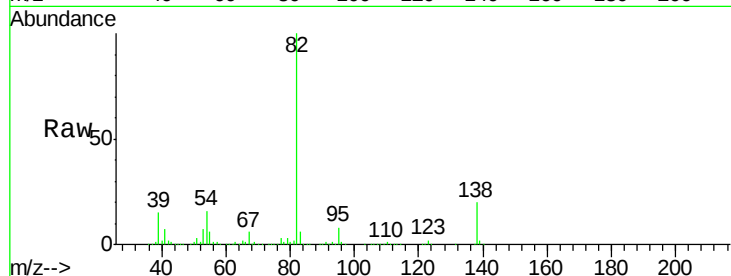
82 100

95 7.9 6.6 10.0

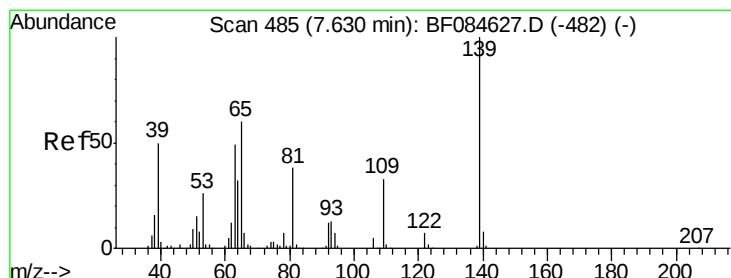
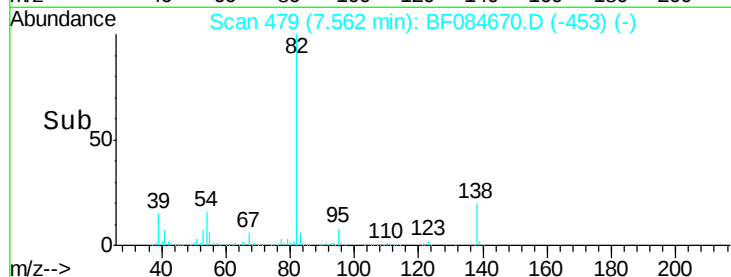
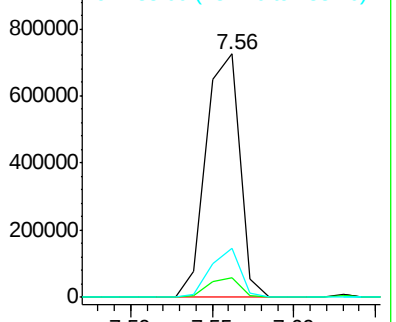
138 19.9 13.6 20.4

Manual Integrations
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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: 47.33 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

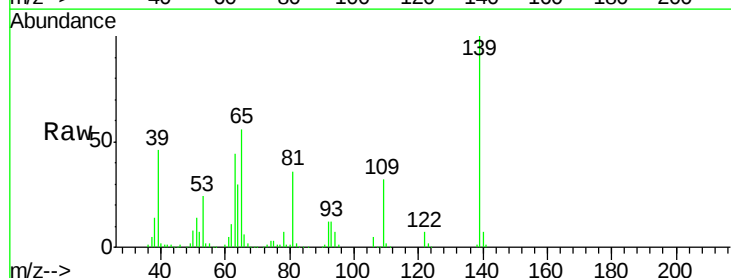
Tgt Ion: 139 Resp: 291442

Ion Ratio Lower Upper

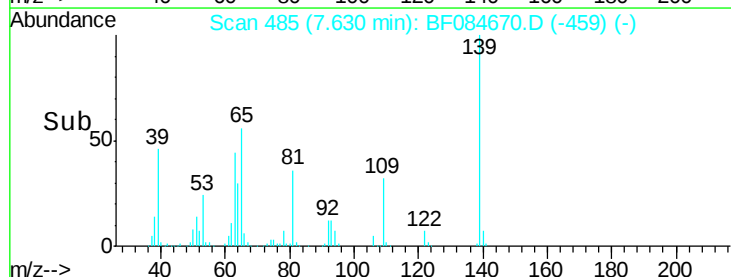
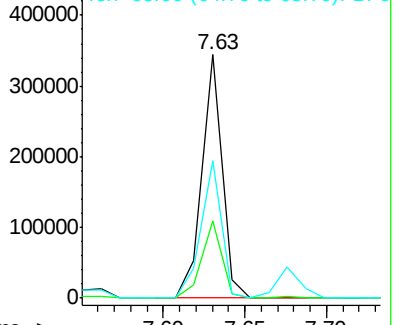
139 100

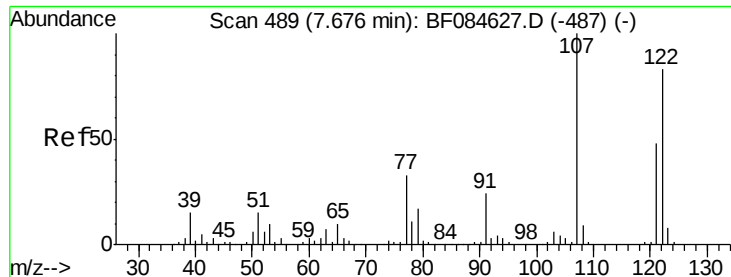
109 31.6 25.4 38.2

65 56.3 32.3 48.5#



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





#27

2,4-Dimethylphenol

Concen: 42.29 ng

RT: 7.68 min Scan# 489

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

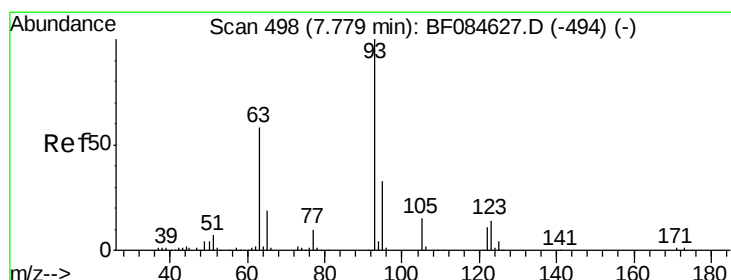
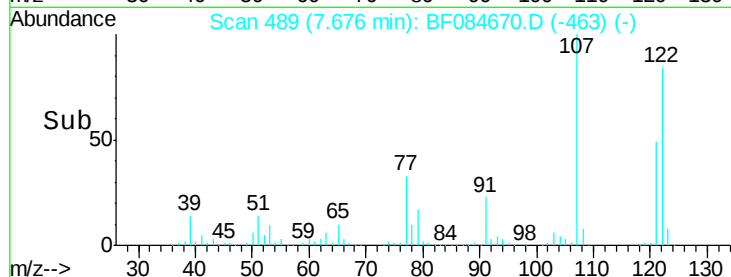
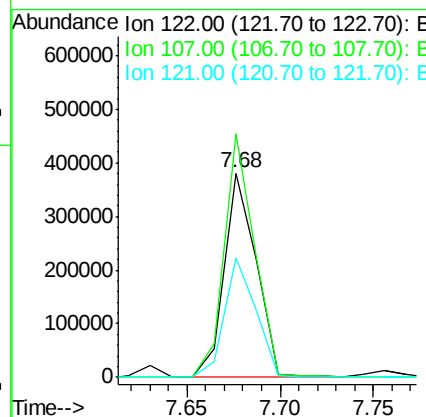
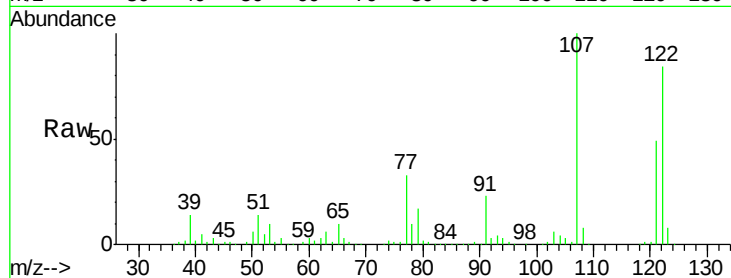
ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion:	122	Resp:	456238
Ion Ratio	Lower	Upper	
122	100		
107	119.0	99.1	148.7
121	58.3	47.9	71.9

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#28

bis(2-Chloroethoxy)methane

Concen: 45.39 ng

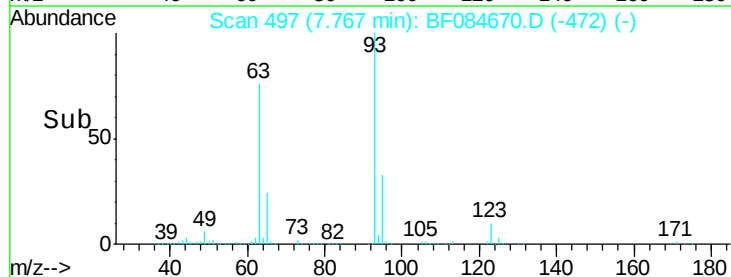
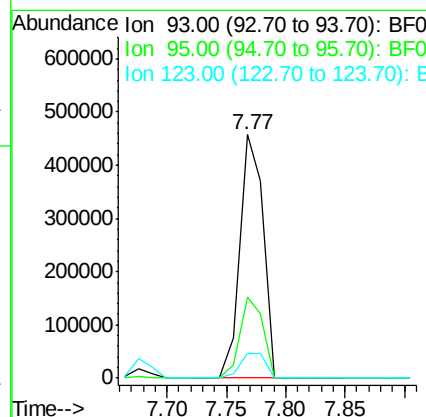
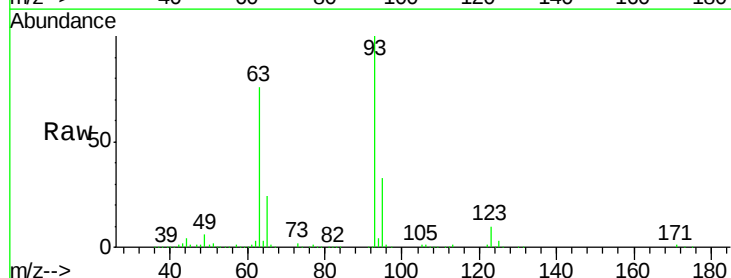
RT: 7.77 min Scan# 497

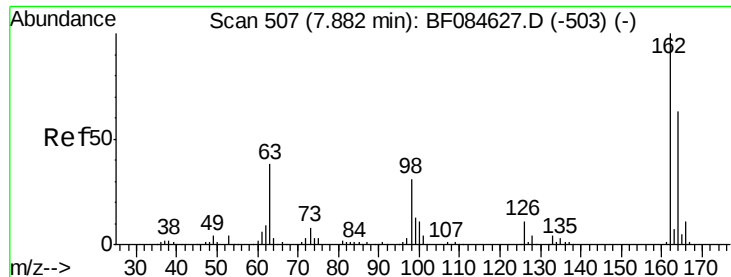
Delta R.T. -0.01 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Tgt Ion:	93	Resp:	621723
Ion Ratio	Lower	Upper	
93	100		
95	33.3	25.8	38.6
123	10.3	8.6	12.8





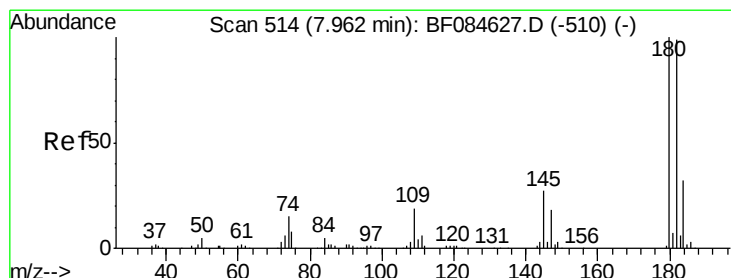
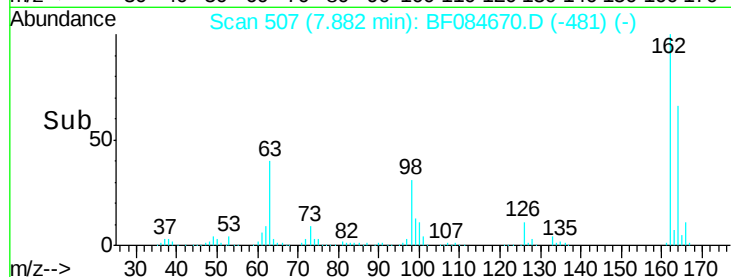
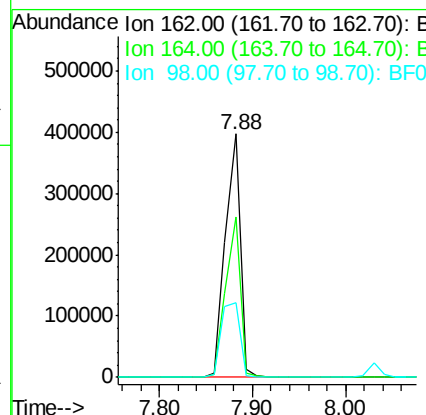
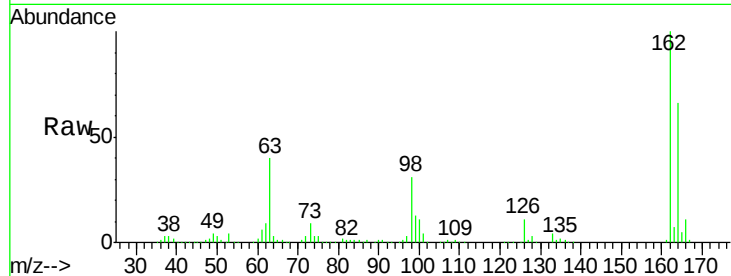
#29
 2,4-Dichlorophenol
 Concen: 46.80 ng
 RT: 7.88 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	66.1	44.1	84.1
98	30.9	20.2	60.2

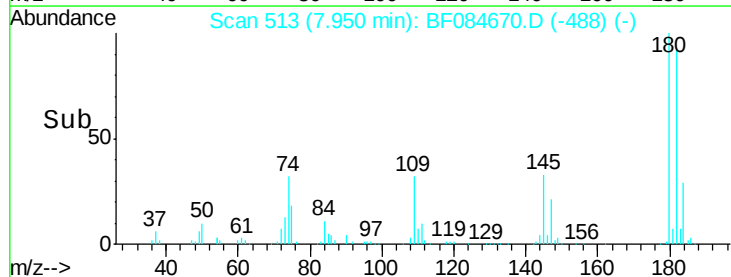
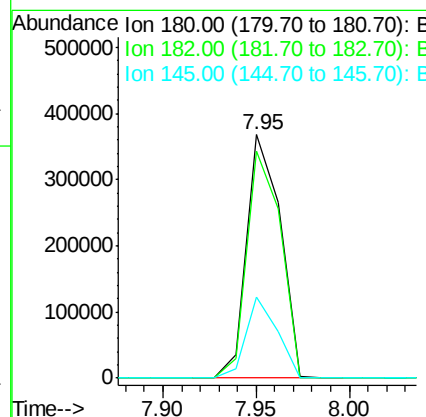
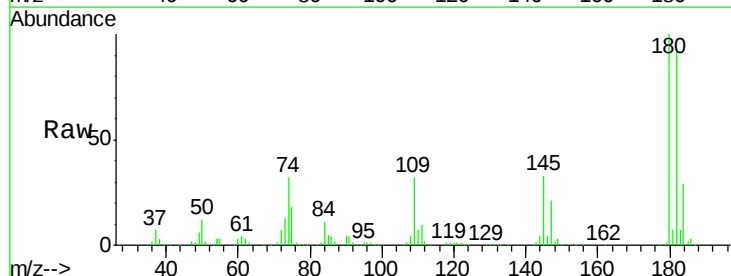
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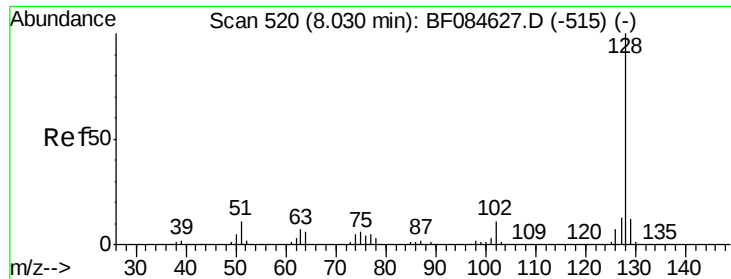
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#30
 1,2,4-Trichlorobenzene
 Concen: 42.69 ng
 RT: 7.95 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.5	76.4	114.6
145	33.4	31.6	47.4





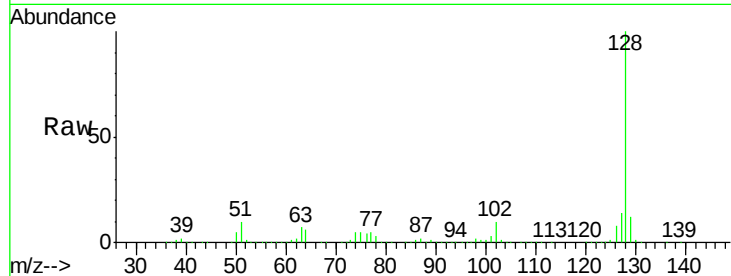
#31
Naphthalene
Concen: 40.74 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

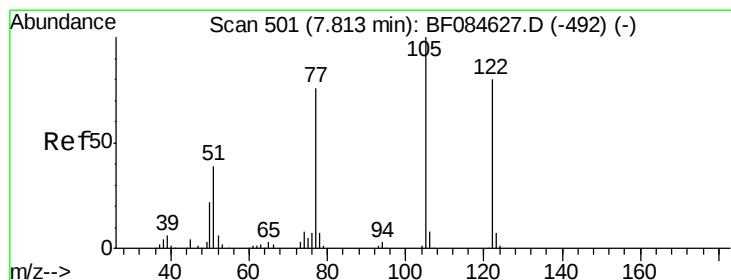
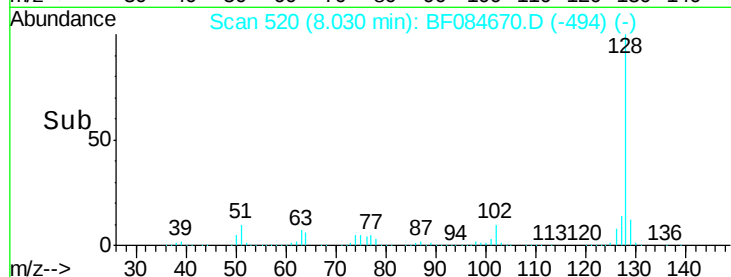
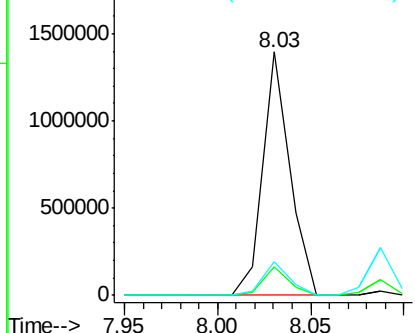
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.1	13.7
127	13.7	11.1	16.7

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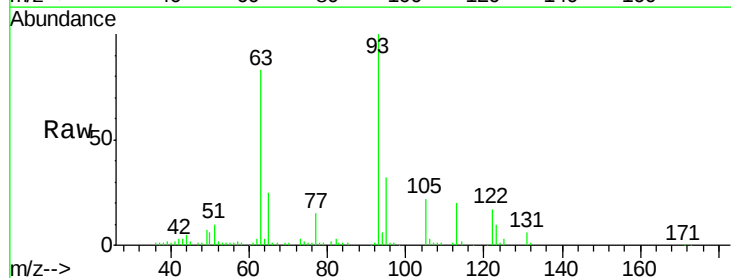


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

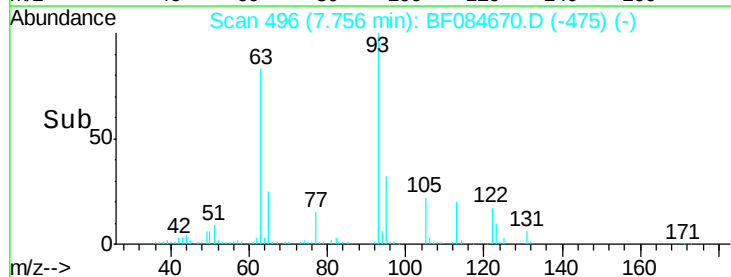
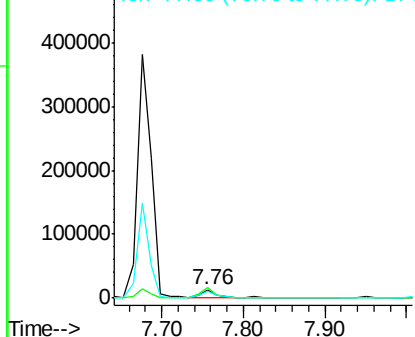


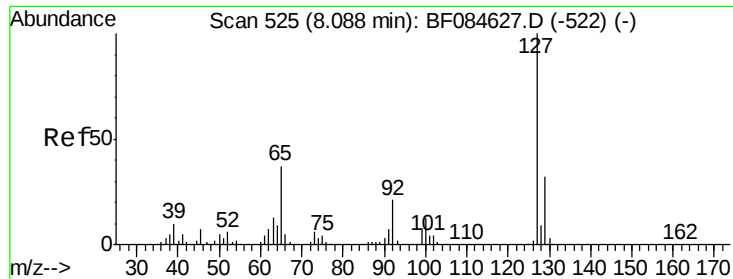
#32
Benzoic acid
Concen: 2.78 ng
RT: 7.76 min Scan# 496
Delta R.T. -0.06 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
122	100		
105	127.6	100.3	140.3
77	89.6	63.5	103.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





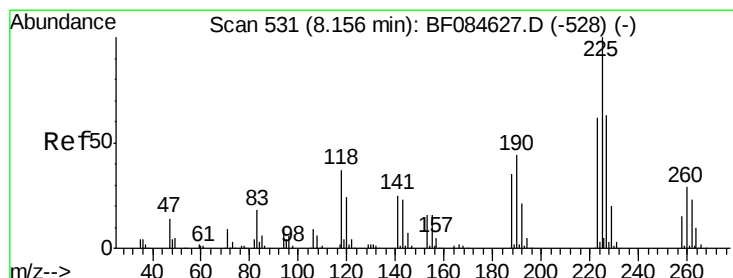
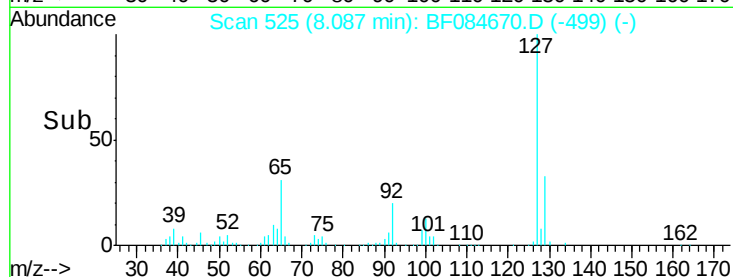
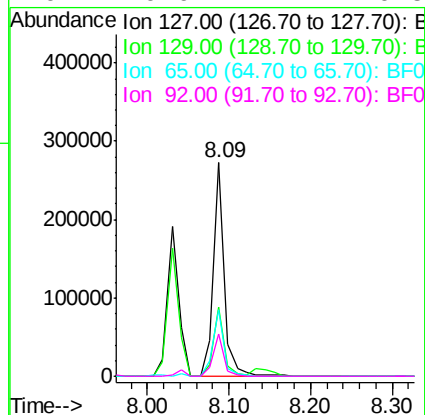
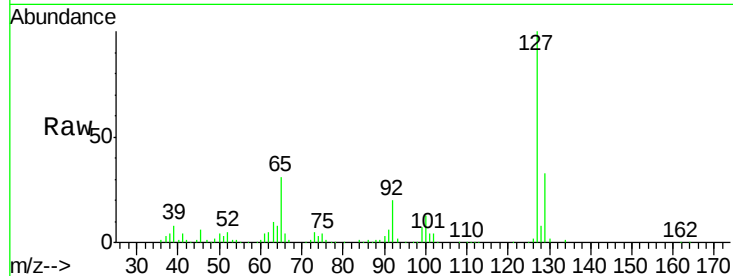
#33
4-Chloroaniline
Concen: 18.70 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		261393		
129	32.6	26.5	39.7		
65	30.9	27.2	40.8		
92	19.9	17.7	26.5		

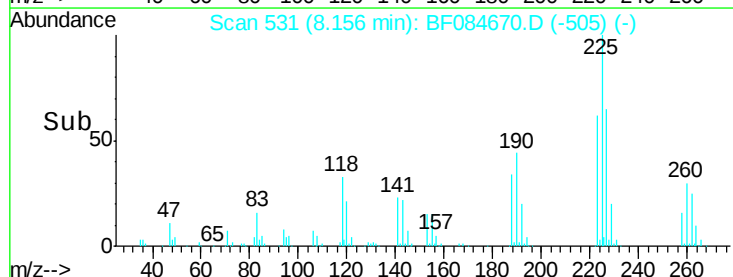
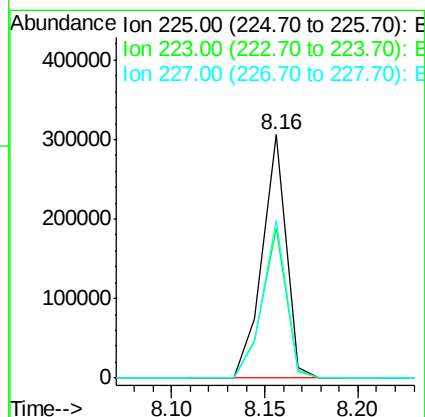
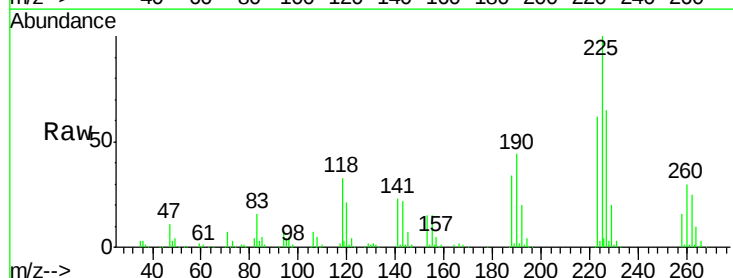
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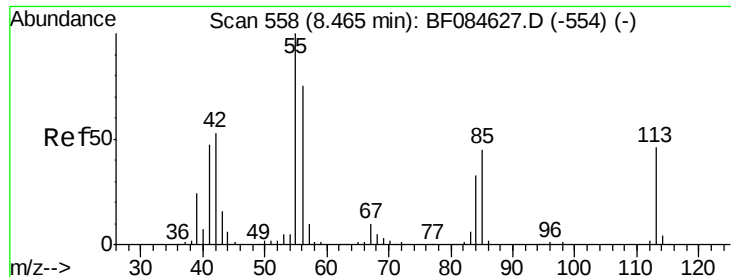
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#34
Hexachlorobutadiene
Concen: 42.44 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		270669		
223	61.8	49.4	74.0		
227	64.7	50.8	76.2		





#35

Caprolactam

Concen: 51.43 ng/mL

RT: 8.46 min Scan# 558

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

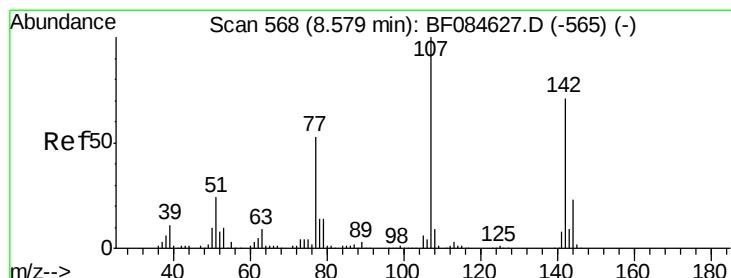
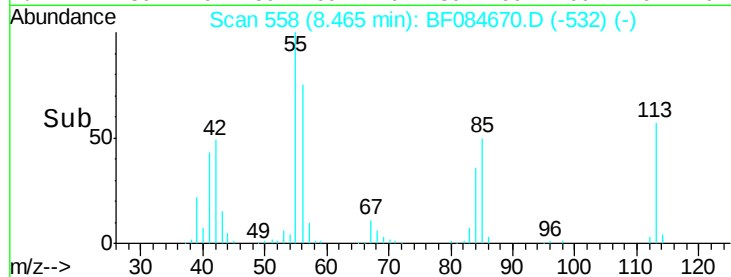
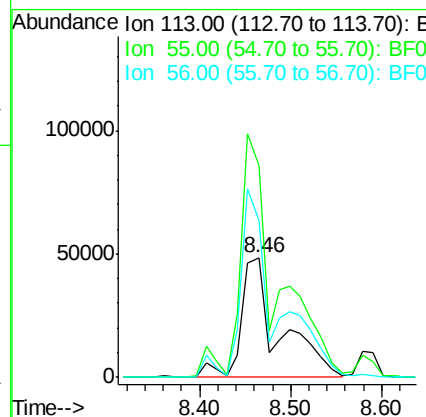
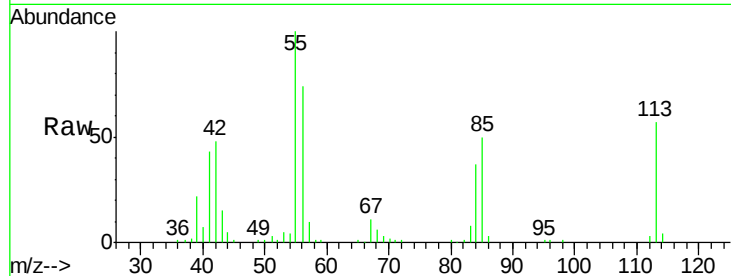
ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion:	113	Resp:	139263
Ion Ratio	Lower	Upper	
113	100		
55	176.9	116.9	156.9#
56	131.3	93.8	133.8

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 46.88 ng/mL

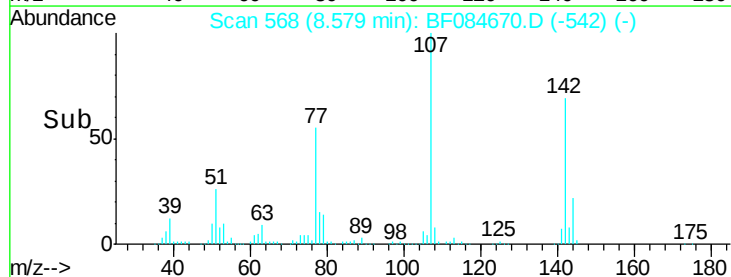
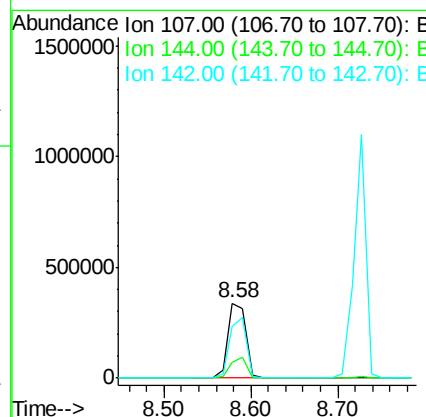
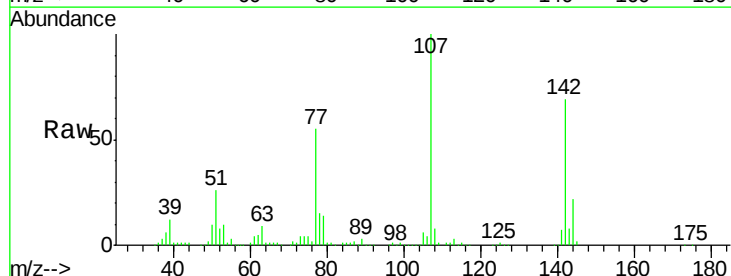
RT: 8.58 min Scan# 568

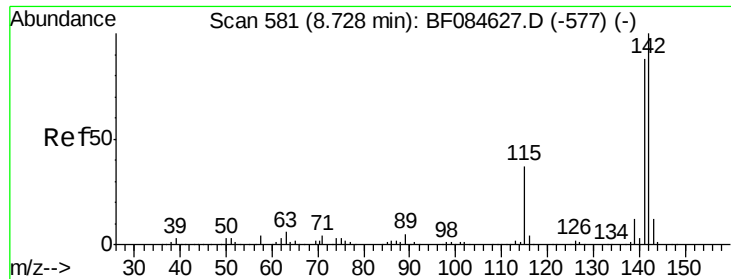
Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

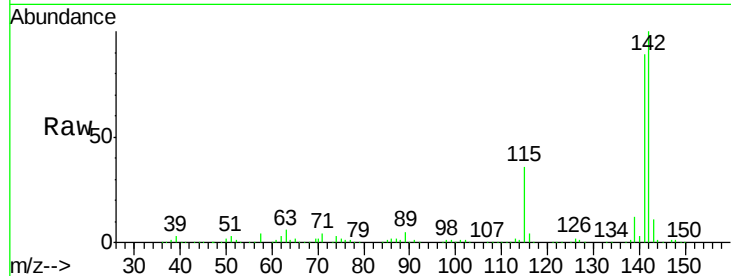
Tgt Ion:	107	Resp:	487109
Ion Ratio	Lower	Upper	
107	100		
144	21.7	19.7	29.5
142	69.3	61.8	92.6





#37
2-Methylnaphthalene
Concen: 50.69 ng
RT: 8.73 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

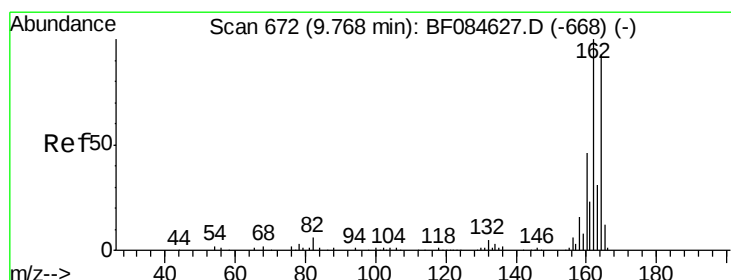
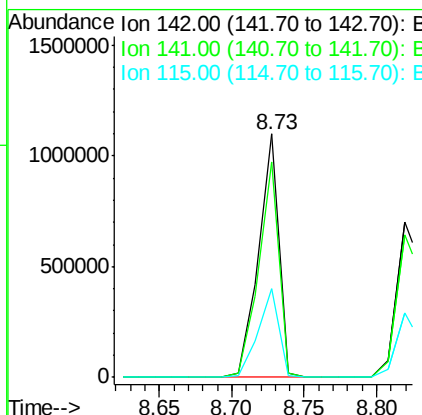
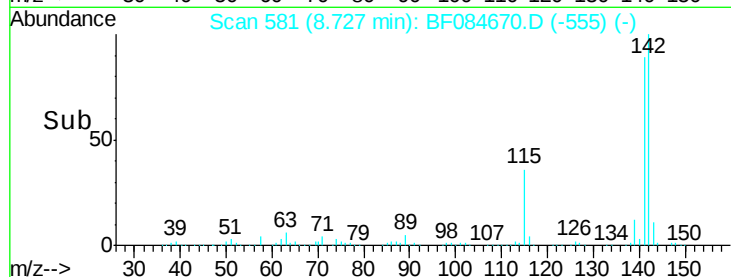
Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD



Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.4	108.6
115	36.2	27.9	41.9

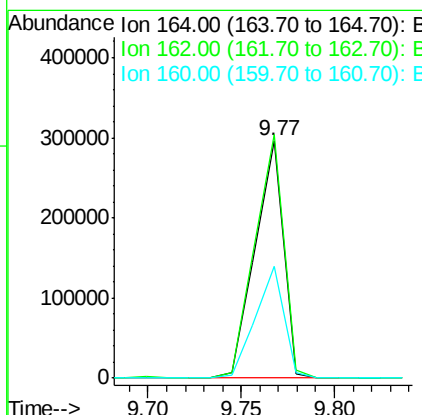
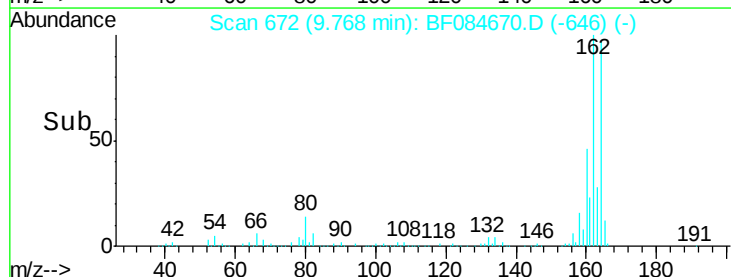
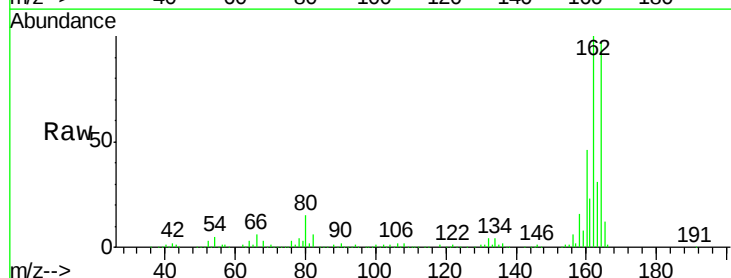
Manual Integrations
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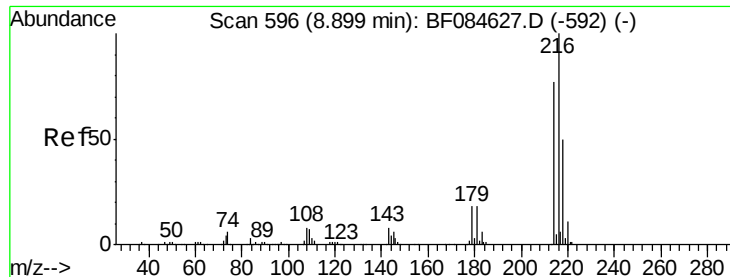
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	85.1	127.7
160	47.2	37.5	56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.04 ng

RT: 8.89 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

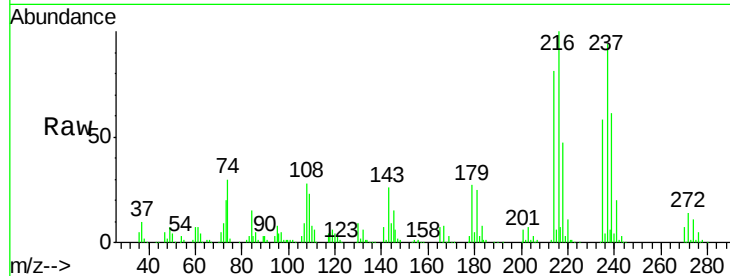
ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		394025		
214	79.8		64.2	96.2	
179	22.5		18.7	28.1	
108	21.8		16.8	25.2	

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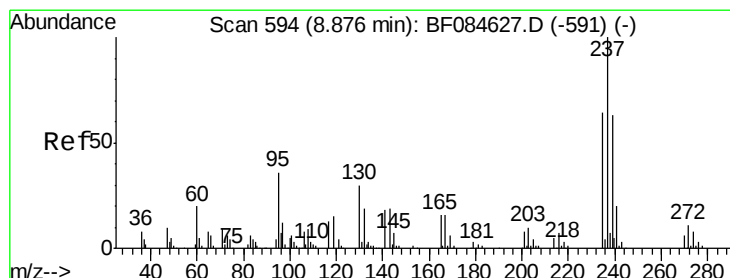
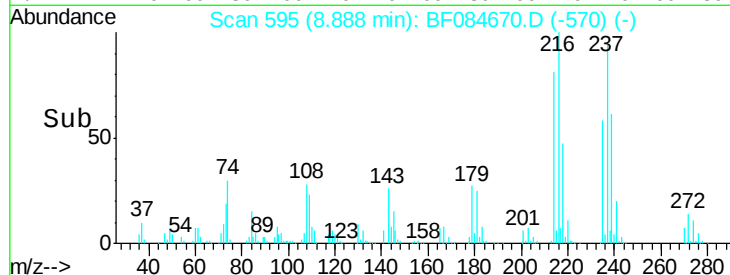
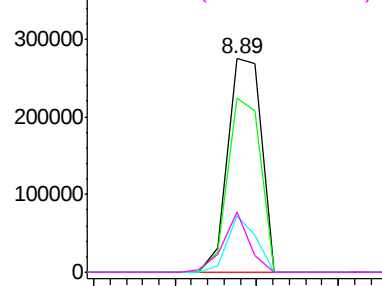
Abundance

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: 90.83 ng

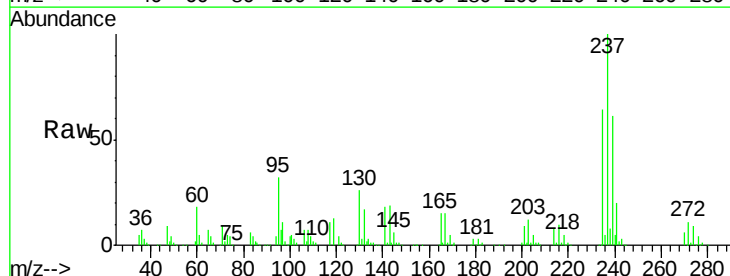
RT: 8.88 min Scan# 594

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		416825		
235	64.4		43.1	83.1	
272	11.2		0.0	35.1	

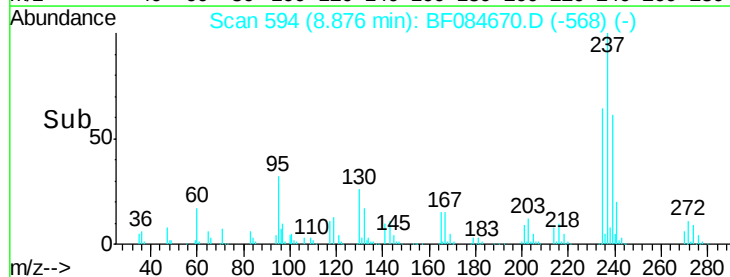
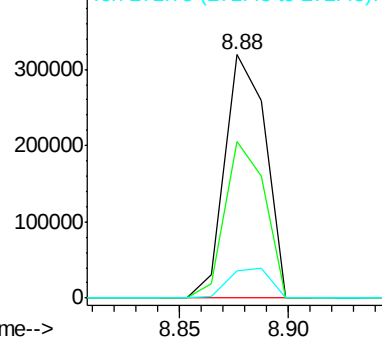


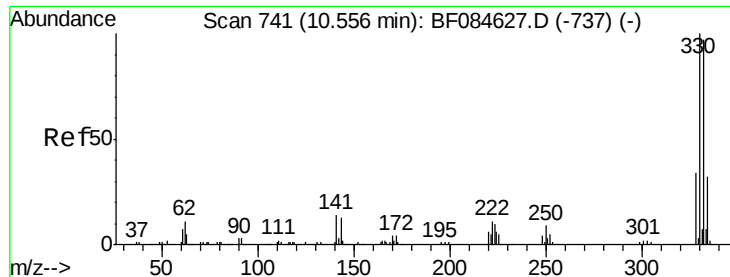
Abundance

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





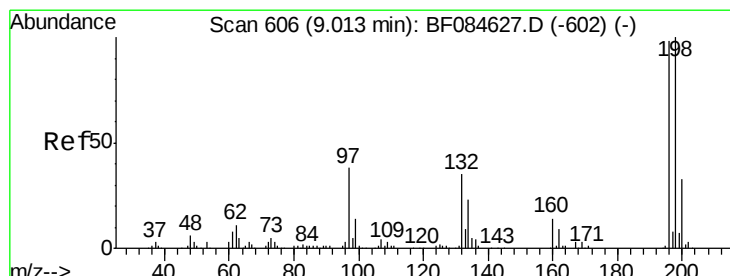
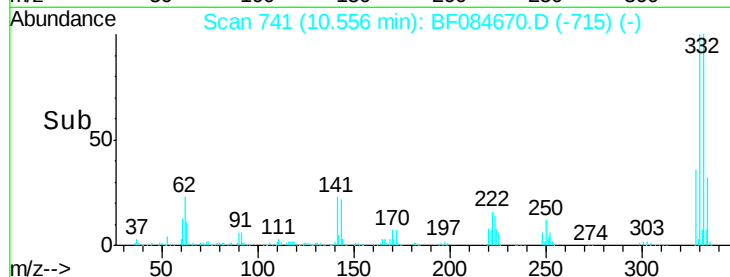
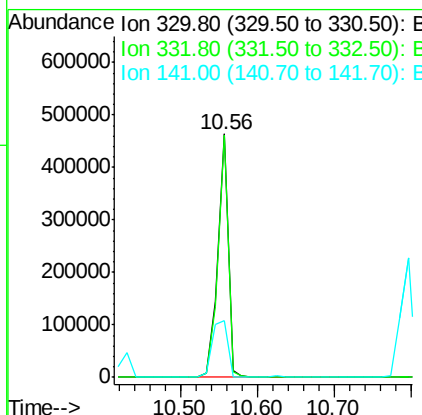
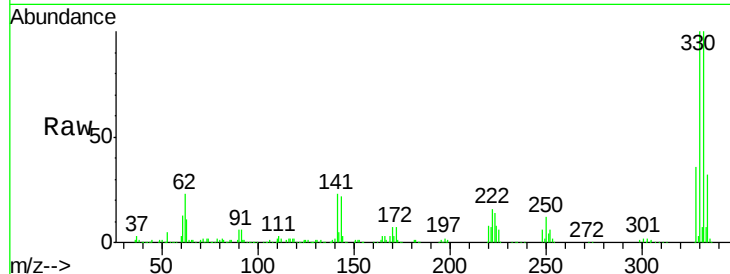
#41
 2,4,6-Tribromophenol
 Concen: 134.42 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.3	76.6	114.8	
141	35.0	27.8	41.6	

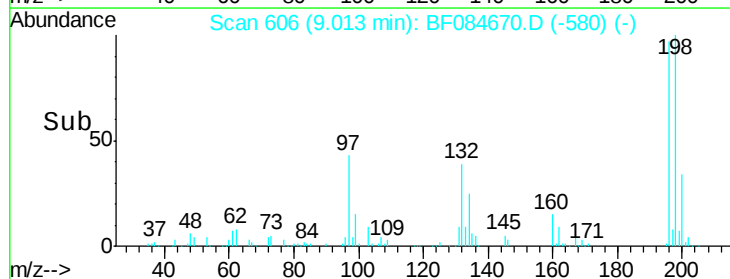
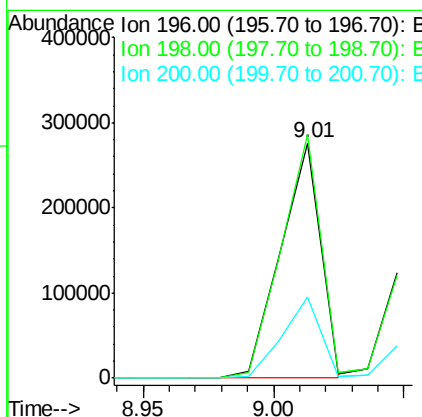
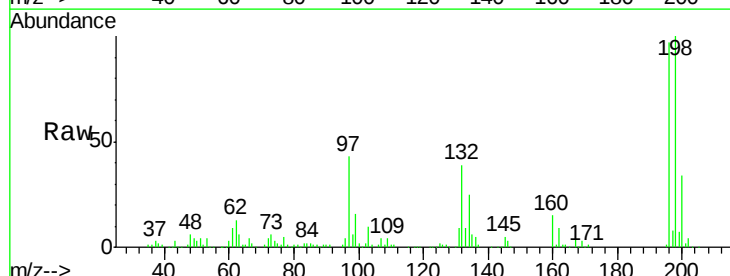
Manual Integrations
 APPROVED

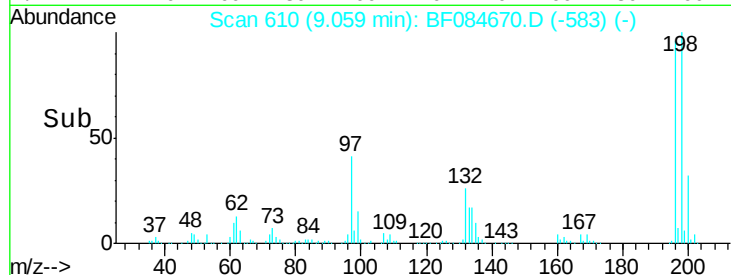
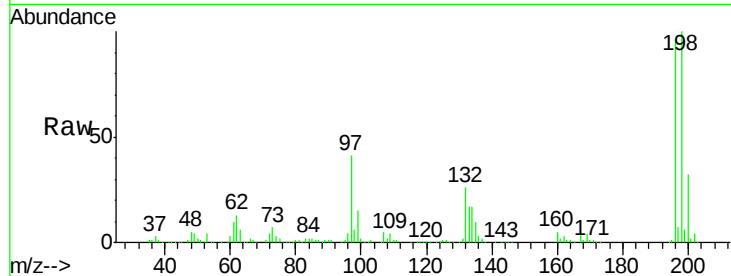
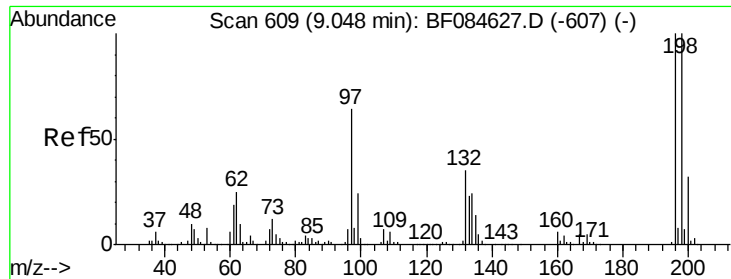
mohammad
 2/1/2016 2:25:32 PM



#42
 2,4,6-Trichlorophenol
 Concen: 46.84 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

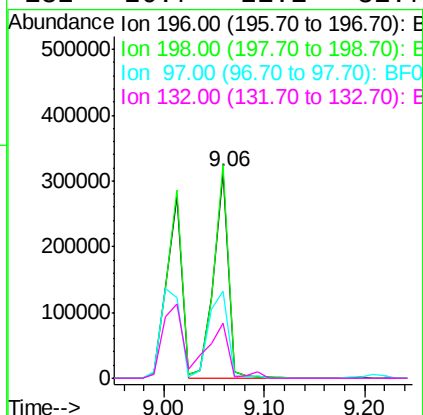
Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	103.5	77.7	116.5	
200	34.7	24.6	37.0	





#43
2,4,5-Trichlorophenol
Concen: 49.01 ng
RT: 9.06 min Scan# 610
Delta R.T. 0.01 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

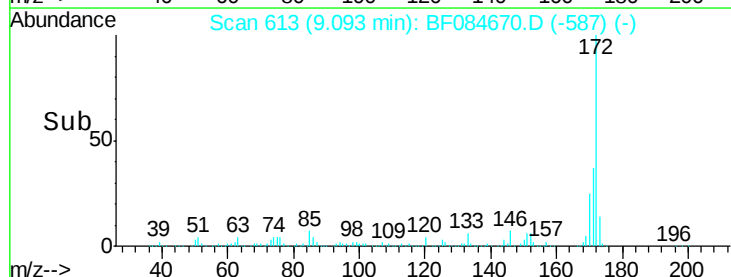
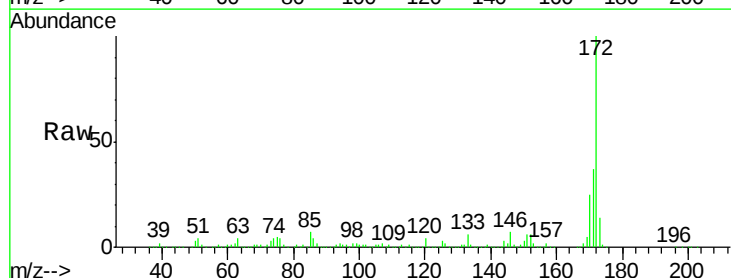
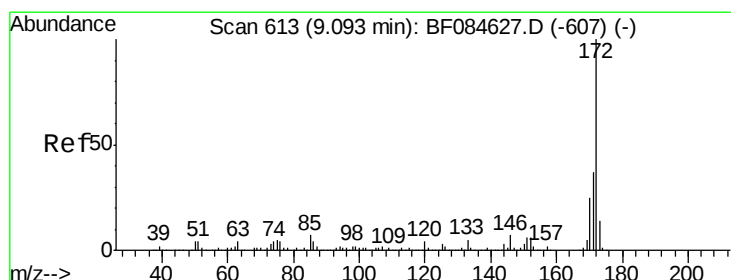
Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	103.6	79.0	118.6	
97	42.0	33.0	49.6	
132	26.7	21.1	31.7	



Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

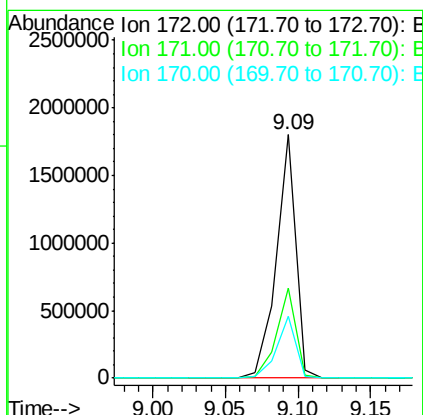
Manual Integrations
APPROVED

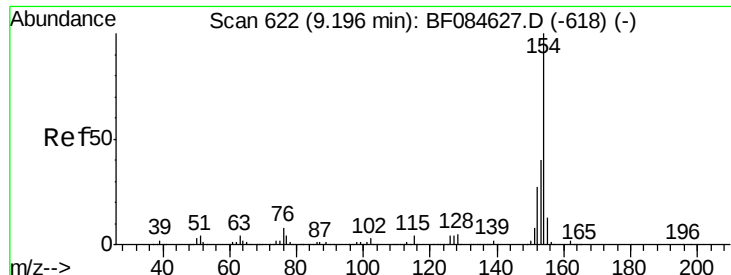
mohammad
2/1/2016 2:25:32 PM



#44
2-Fluorobiphenyl
Concen: 80.09 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.2	28.9	43.3	
170	25.2	18.6	27.8	





#45

1,1'-Biphenyl

Concen: 41.97 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion:154 Resp: 1197099

Ion Ratio Lower Upper

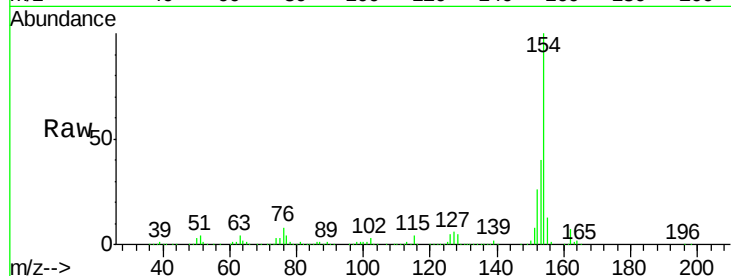
154 100

153 39.9 21.6 61.6

76 7.6 0.0 32.7

Manual Integrations
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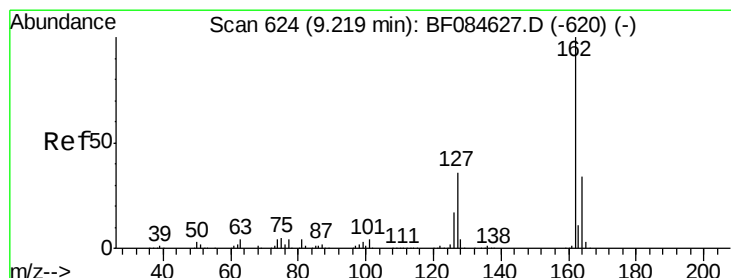
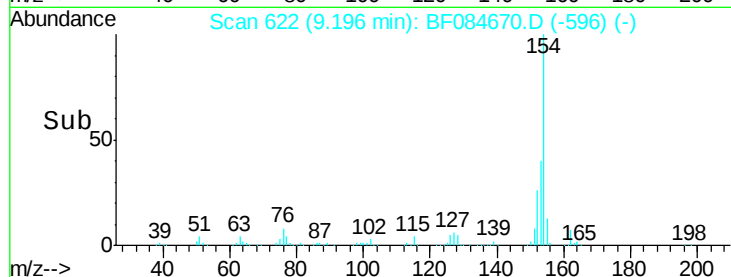
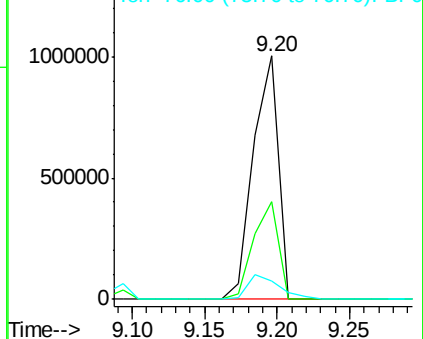
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 42.72 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.01 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

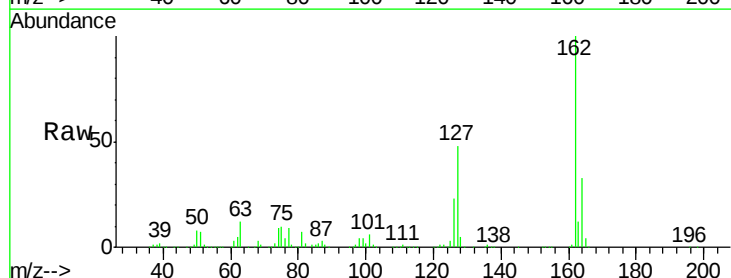
Tgt Ion:162 Resp: 889027

Ion Ratio Lower Upper

162 100

127 48.0 40.2 60.4

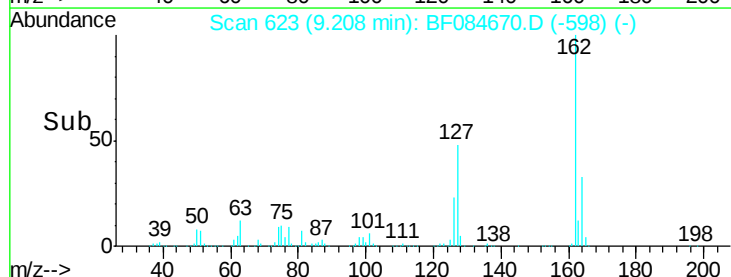
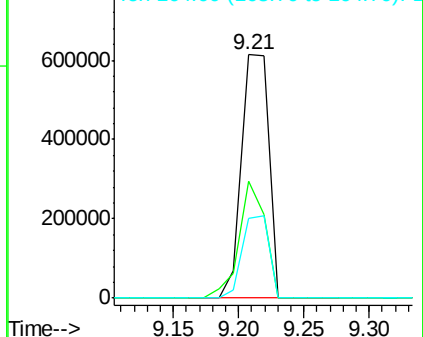
164 32.6 25.7 38.5

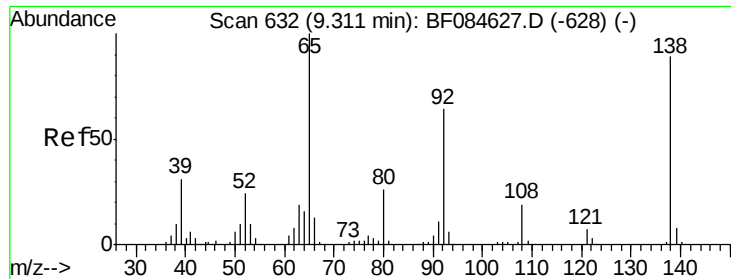


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





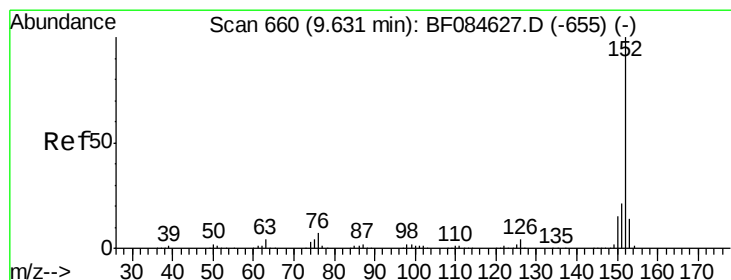
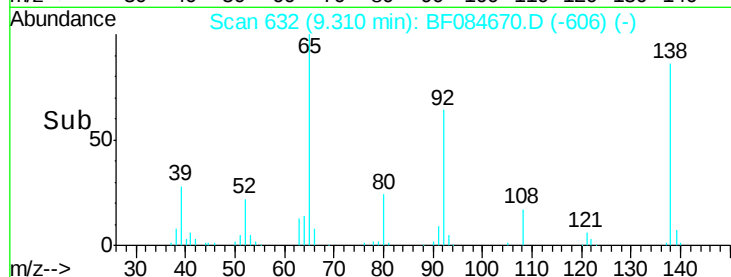
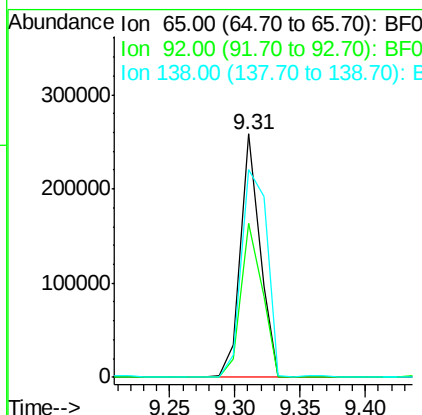
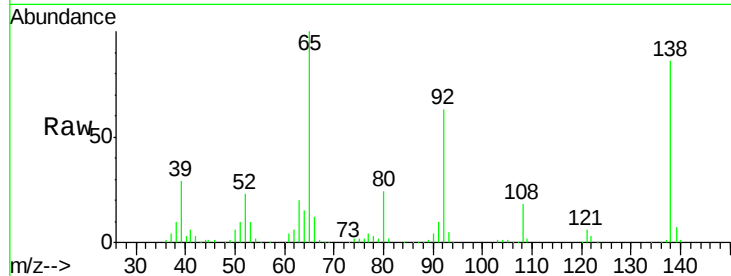
#47
2-Nitroaniline
Concen: 43.12 ng
RT: 9.31 min Scan# 632
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	63.4	53.4	80.2
138	85.5	71.1	106.7

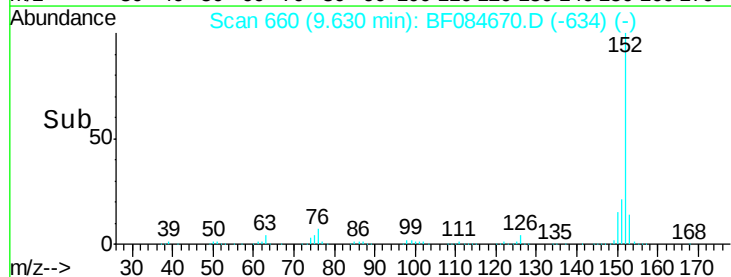
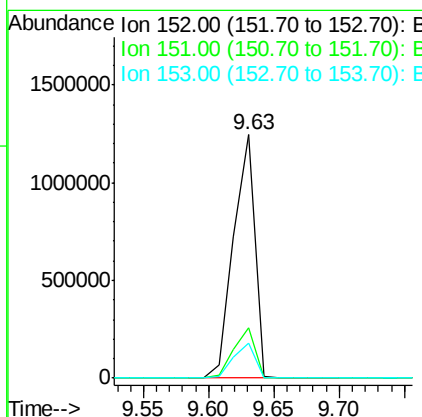
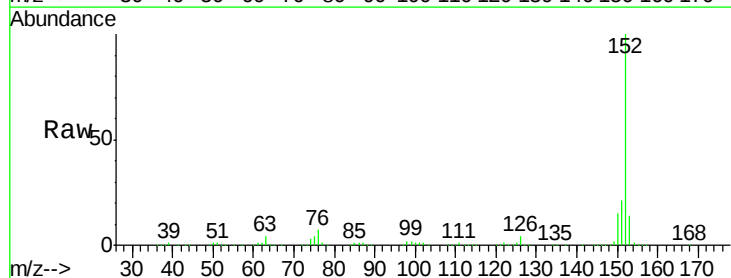
Manual Integrations
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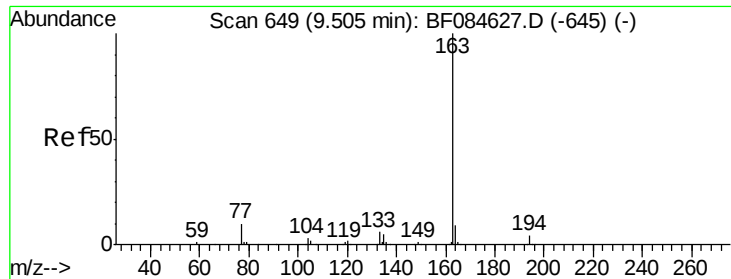
mohammad
2/1/2016 2:25:32 PM



#48
Acenaphthylene
Concen: 44.56 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	14.3	10.4	15.6





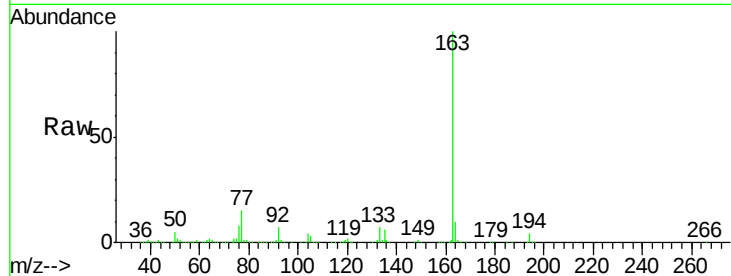
#49
Dimethylphthalate
Concen: 55.77 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	8.0	12.0#
164	10.0	8.0	12.0

Manual Integrations
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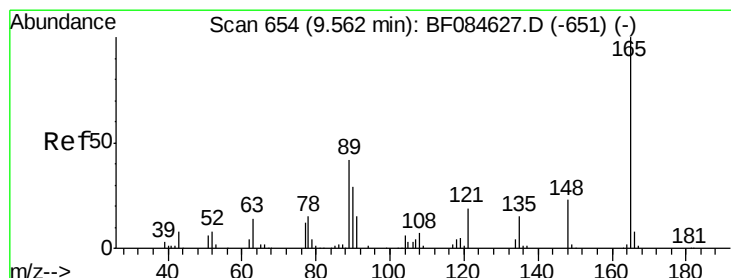
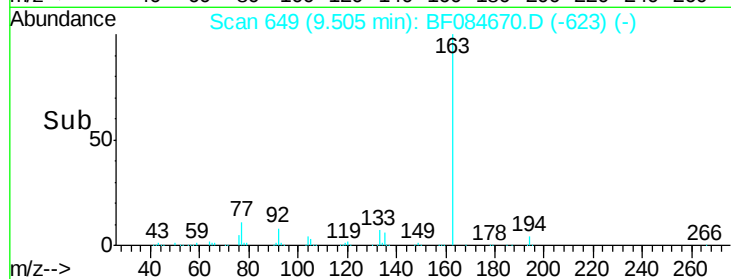
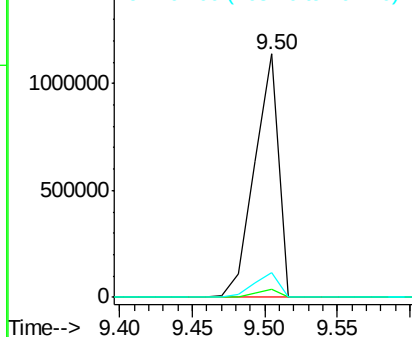


Abundance

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: 48.76 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

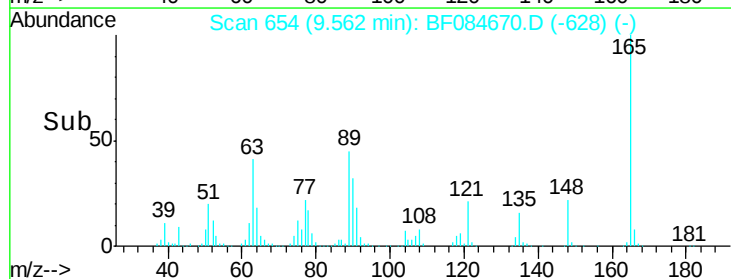
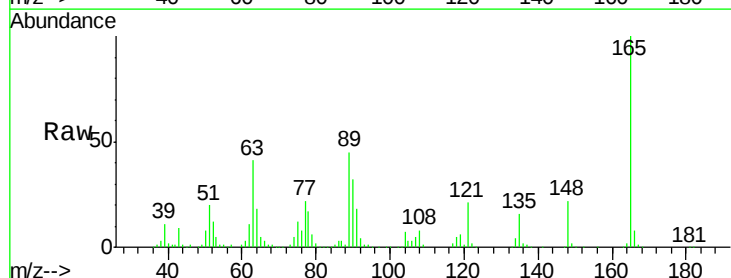
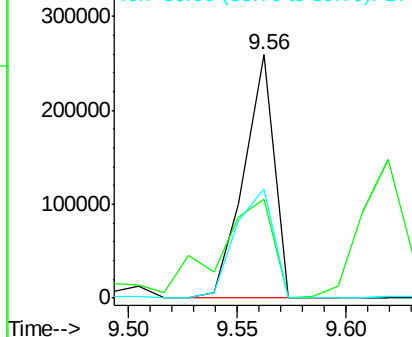
Tgt Ion	Ratio	Lower	Upper
165	100		
63	40.9	28.8	43.2
89	44.9	35.1	52.7

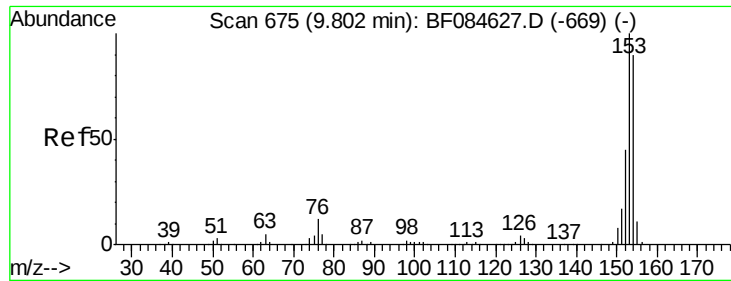
Abundance

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: 45.69 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

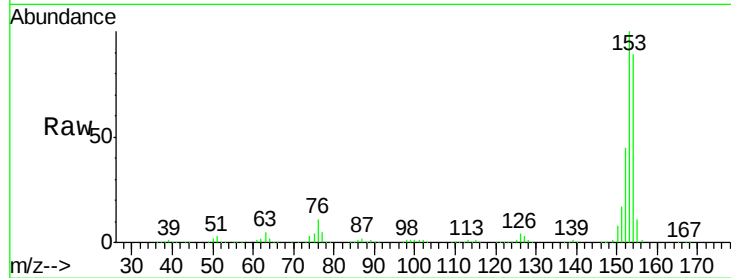
ClientSampleId :

SUP-B013(20-23)MSD

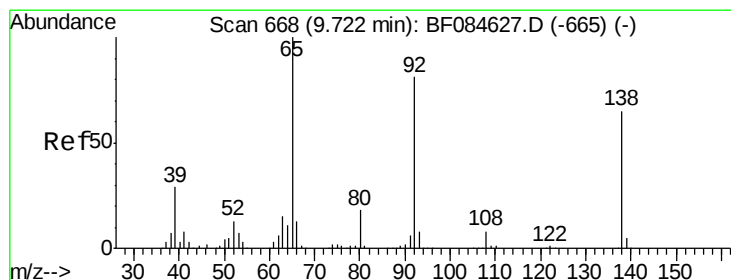
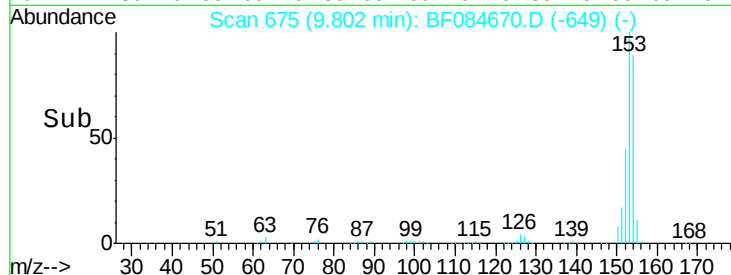
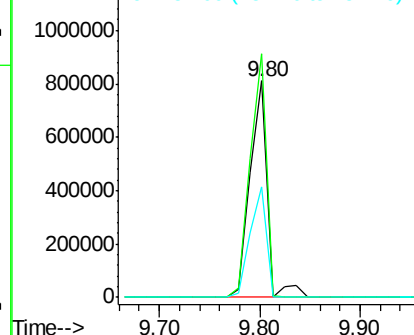
Tot Ion:	154	Resp:	964808
Ion Ratio	Lower	Upper	
154	100		
153	112.4	91.5	137.3
152	51.0	43.0	64.6

Manual Integrations
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2/1/2016 2:25:32 PM



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: 29.12 ng

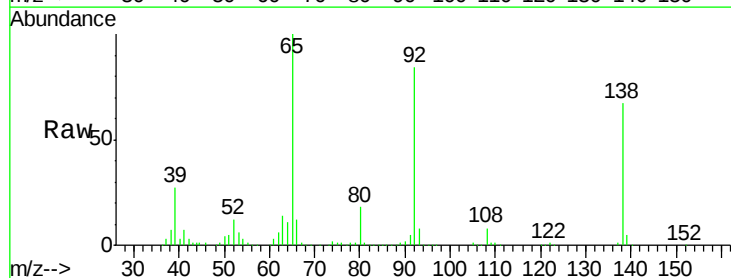
RT: 9.72 min Scan# 668

Delta R.T. -0.00 min

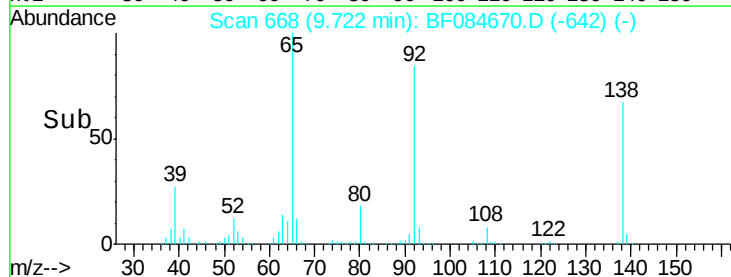
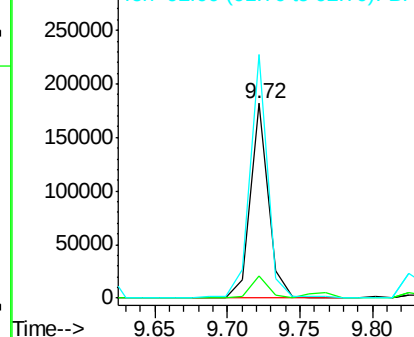
Lab File: BF084670.D

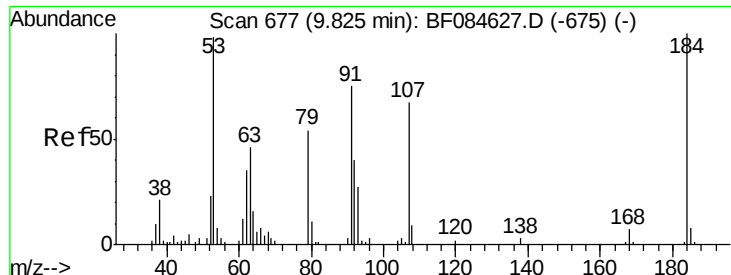
Acq: 30 Jan 2016 7:55

Tgt Ion:	138	Resp:	156364
Ion Ratio	Lower	Upper	
138	100		
108	11.7	10.5	15.7
92	125.0	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





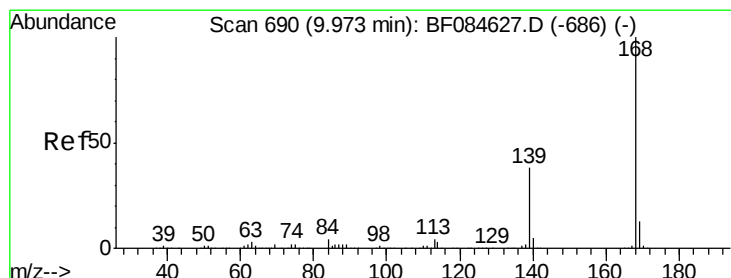
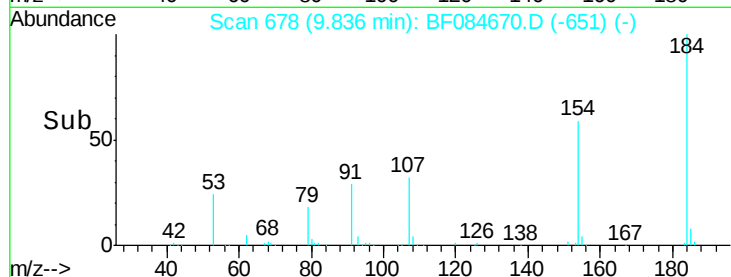
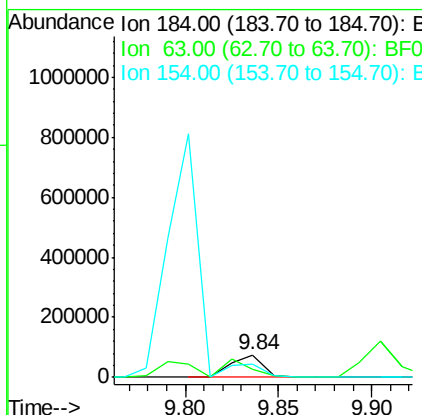
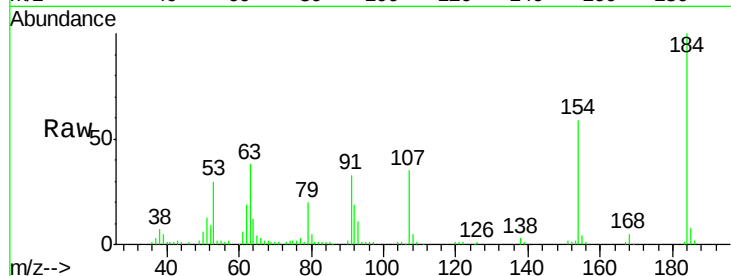
#53
2,4-Dinitrophenol
Concen: 36.63 ng
RT: 9.84 min Scan# 678
Delta R.T. 0.01 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	37.7	43.1	64.7#
154	59.5	60.5	90.7#

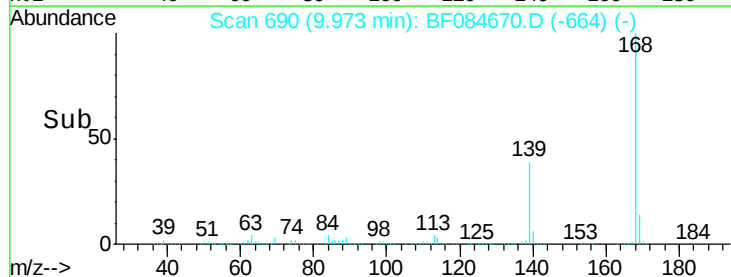
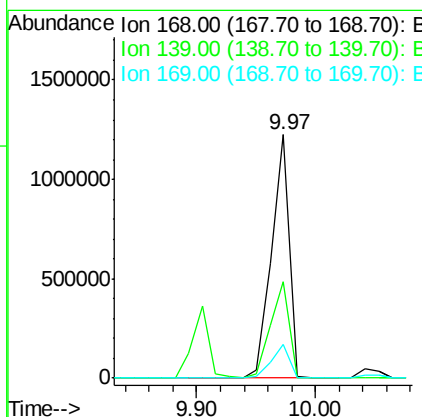
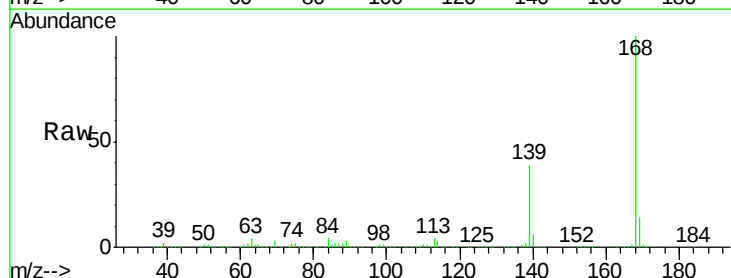
Manual Integrations
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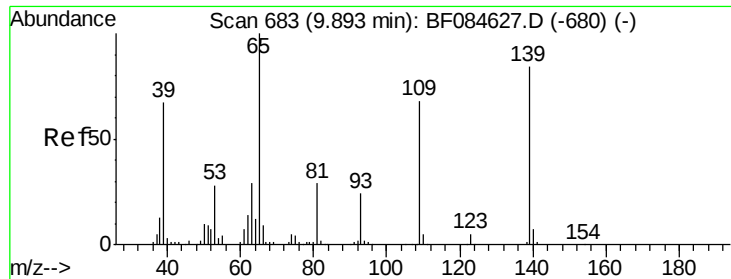
mohammad
2/1/2016 2:25:32 PM



#54
Dibenzofuran
Concen: 50.37 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.4	30.5	45.7
169	13.6	10.4	15.6





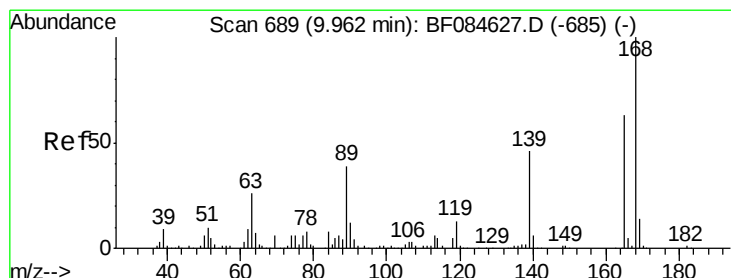
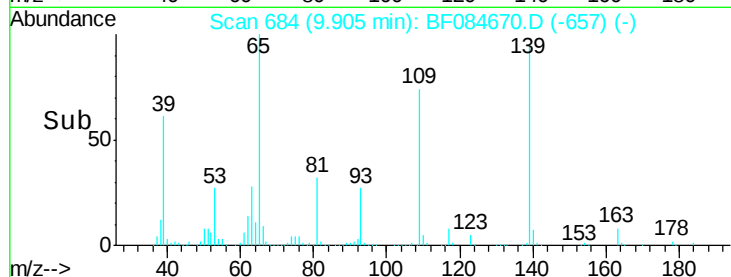
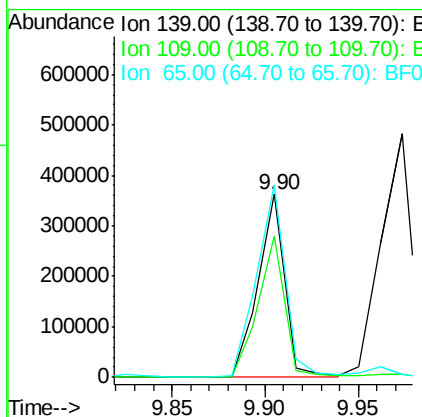
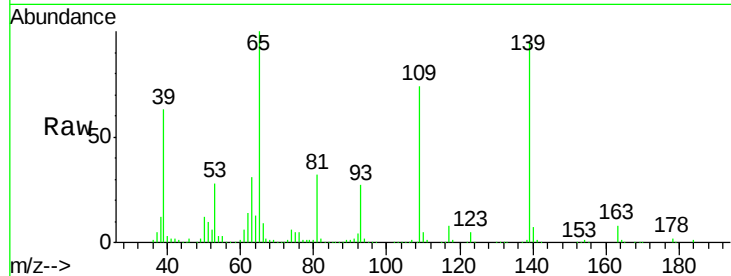
#55
4-Nitrophenol
Concen: 90.96 ng
RT: 9.90 min Scan# 684
Delta R.T. 0.01 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	77.3	58.5	98.5	
65	105.1	57.6	97.6	

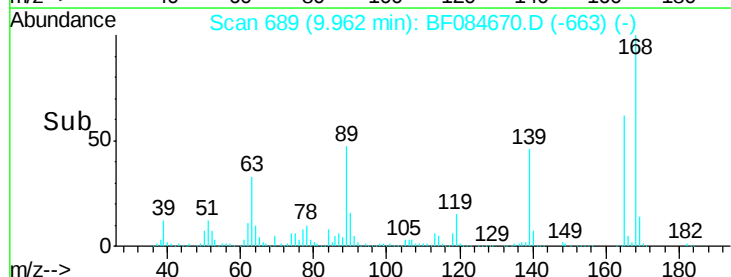
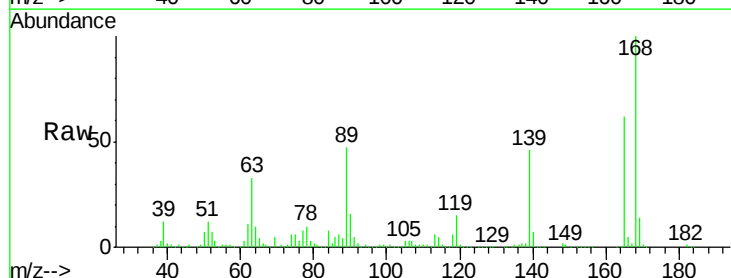
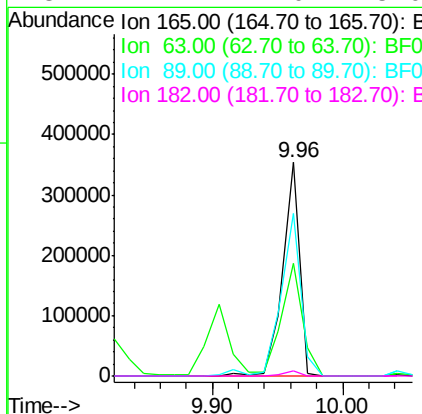
Manual Integrations
APPROVED

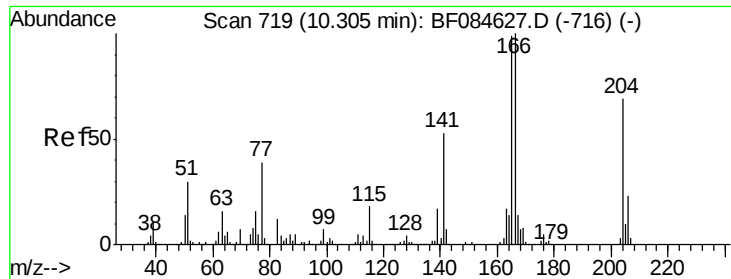
mohammad
2/1/2016 2:25:32 PM



#56
2,4-Dinitrotoluene
Concen: 48.15 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	53.0	36.7	55.1	
89	76.2	61.9	92.9	
182	2.2	2.0	3.0	





#57

Fluorene

Concen: 43.38 ng

RT: 10.32 min Scan# 720

Delta R.T. 0.01 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

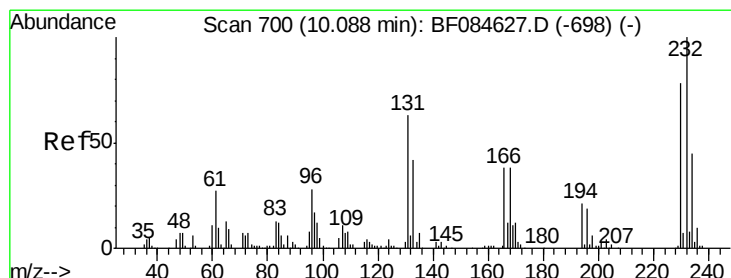
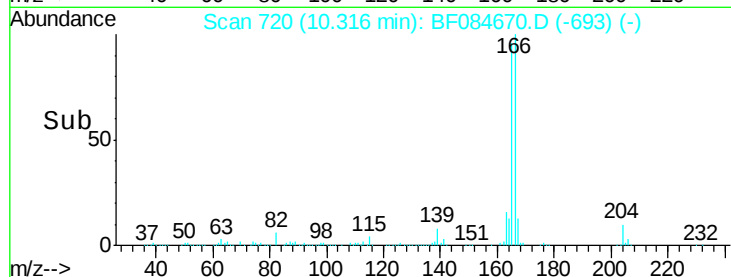
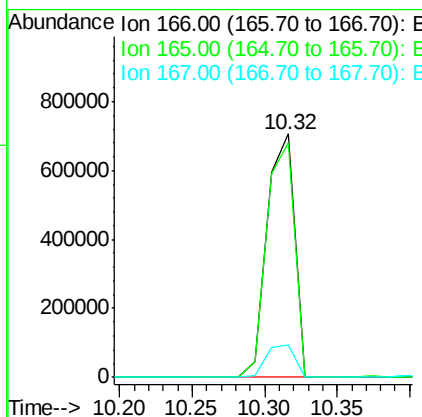
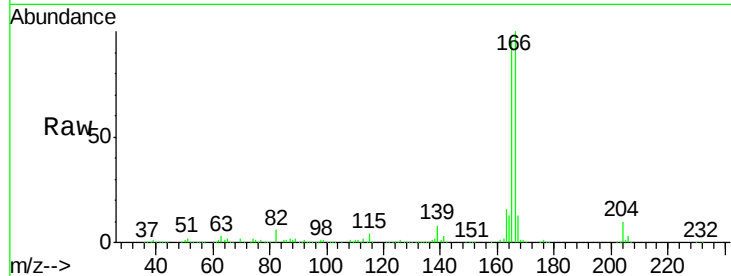
ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion:	166	Resp:	926666
Ion Ratio	Lower	Upper	
166	100		
165	96.4	79.1	118.7
167	13.1	10.4	15.6

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#58

2,3,4,6-Tetrachlorophenol

Concen: 47.43 ng

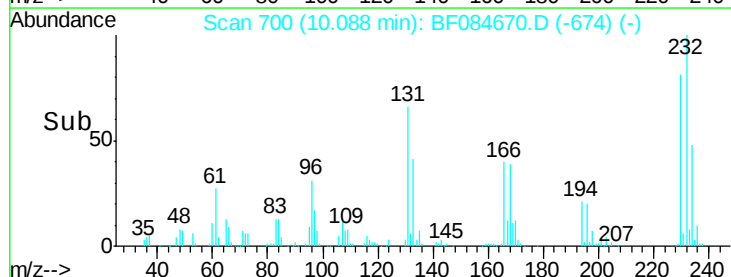
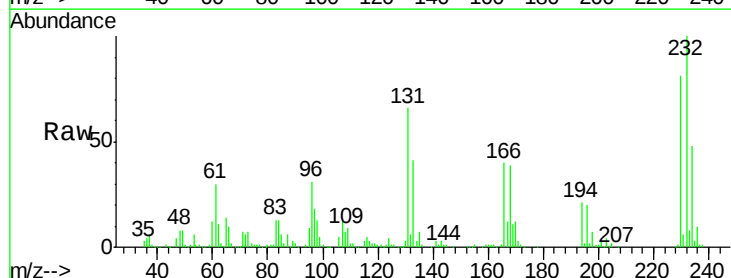
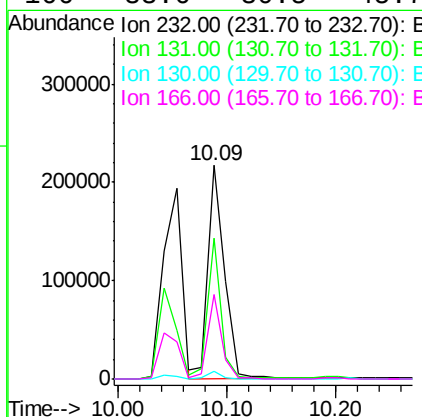
RT: 10.09 min Scan# 700

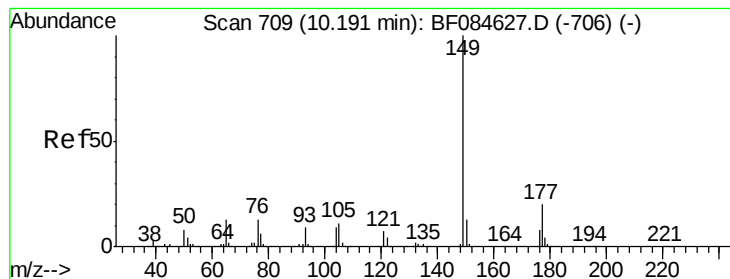
Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Tgt Ion:	232	Resp:	232121
Ion Ratio	Lower	Upper	
232	100		
131	53.5	47.0	70.6
130	2.8	2.0	3.0
166	33.6	30.5	45.7





#59

Diethylphthalate

Concen: 45.06 ng

RT: 10.20 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion:149 Resp: 1030307

Ion Ratio Lower Upper

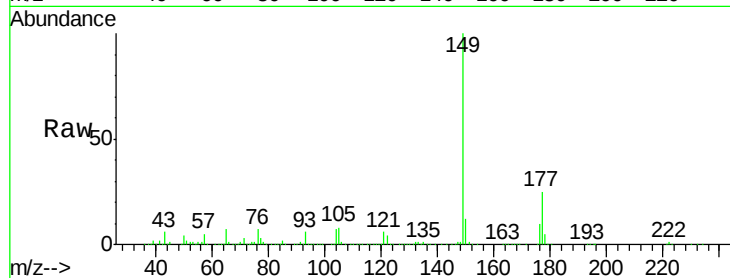
149 100

177 24.7 17.3 25.9

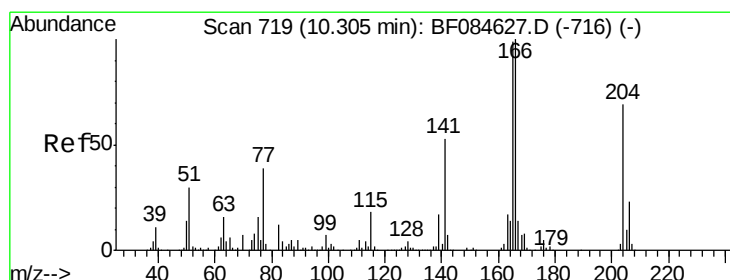
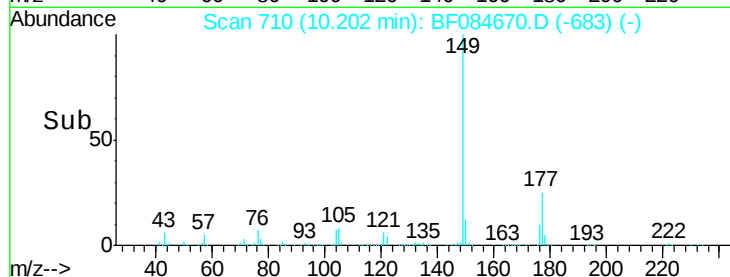
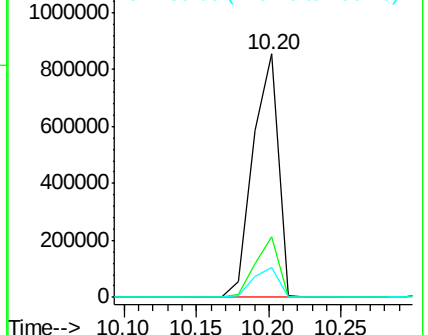
150 12.5 9.8 14.8

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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: 42.09 ng

RT: 10.30 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

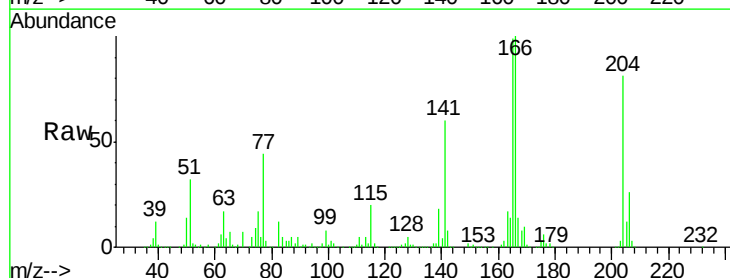
Tgt Ion:204 Resp: 403577

Ion Ratio Lower Upper

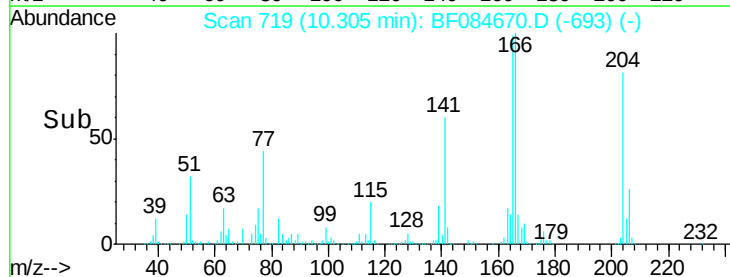
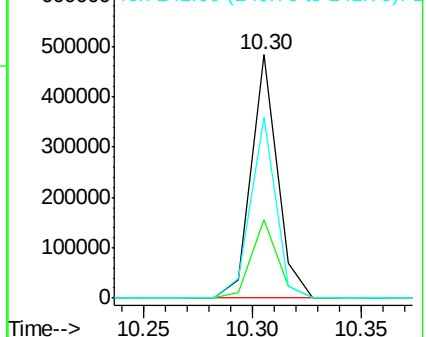
204 100

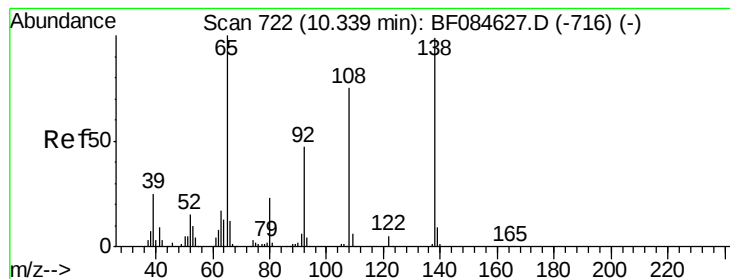
206 32.3 25.7 38.5

141 74.1 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





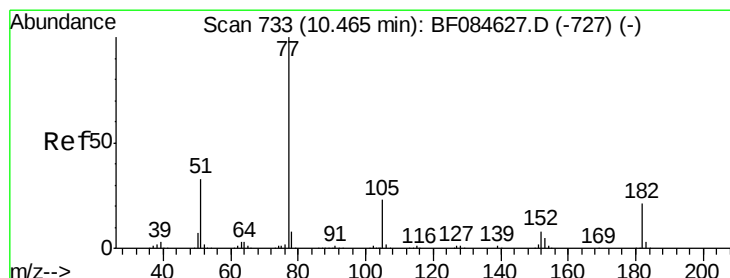
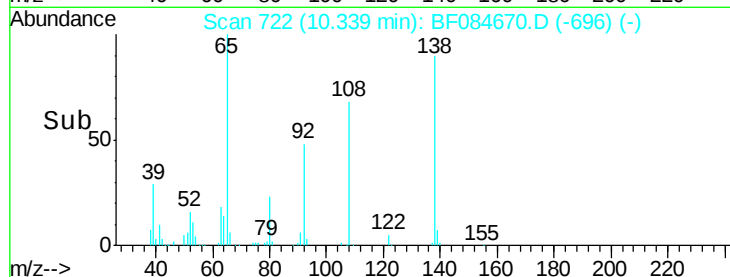
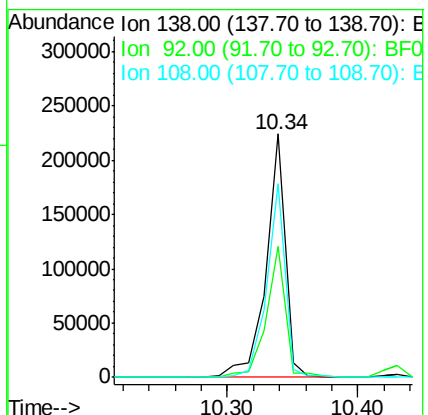
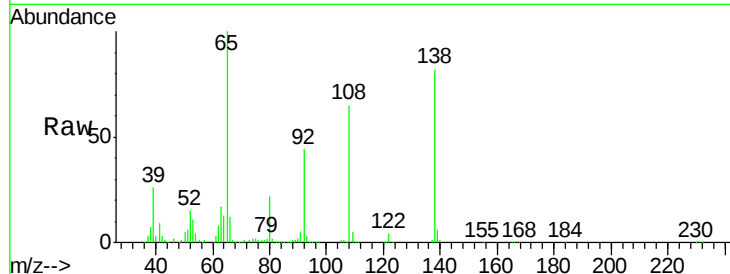
#61
4-Nitroaniline
Concen: 45.77 ng
RT: 10.34 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	53.8	32.6	72.6
108	79.4	68.6	108.6

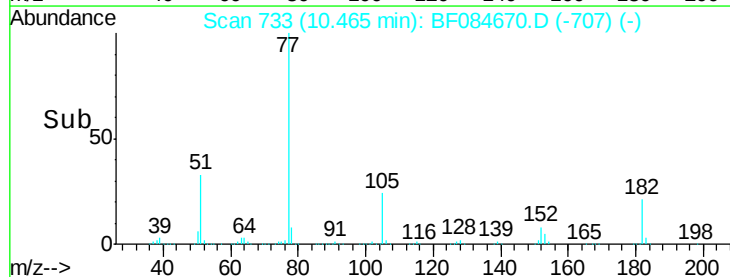
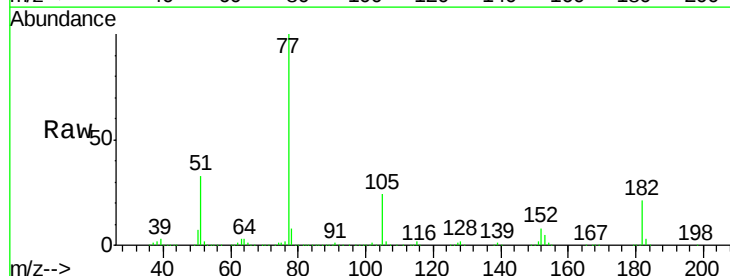
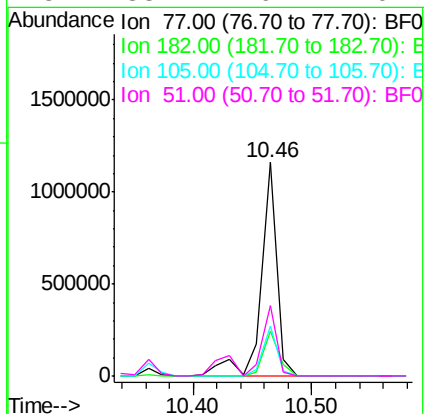
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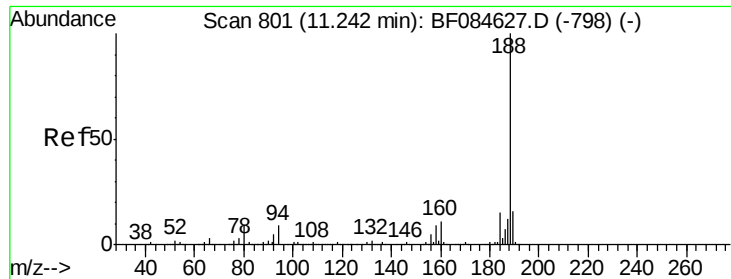
mohammad
2/1/2016 2:25:32 PM



#62
Azobenzene
Concen: 49.55 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
77	100		
182	21.1	8.3	48.3
105	23.6	4.6	44.6
51	33.1	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: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

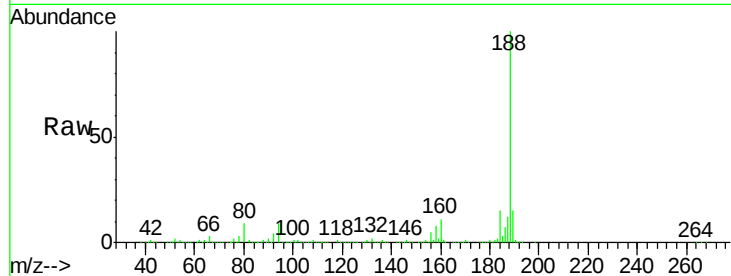
ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion:	188	Resp:	542762
Ion Ratio	Lower	Upper	
188	100		
94	8.6	9.0	13.4#
80	9.3	9.6	14.4#

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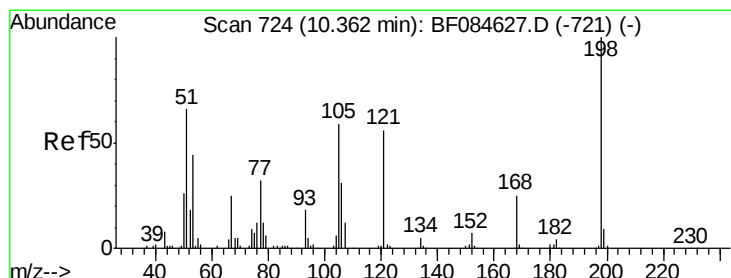
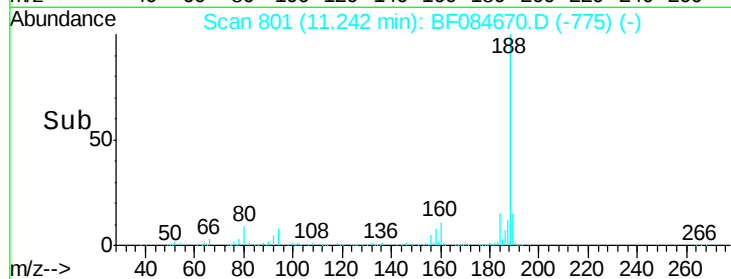
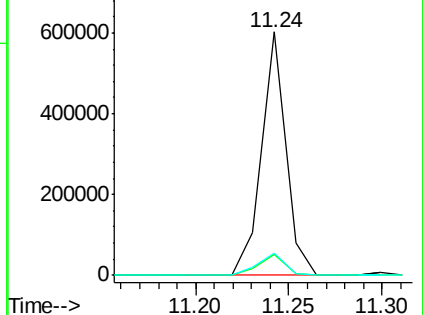
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 38.73 ng

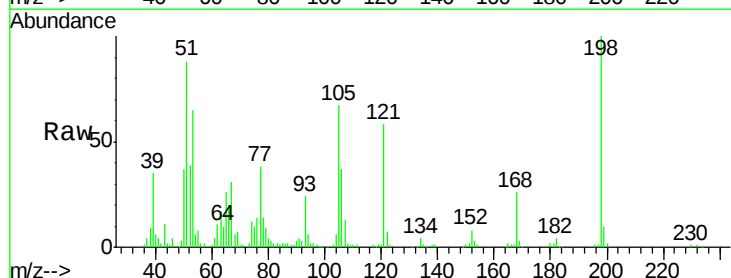
RT: 10.36 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

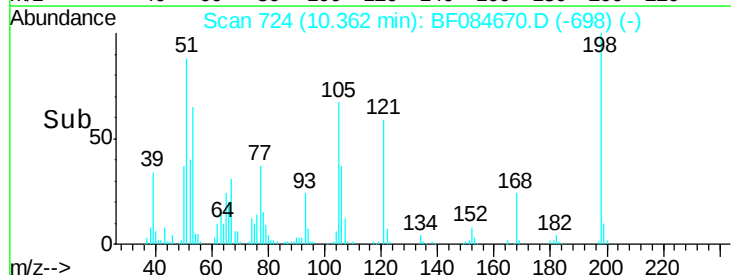
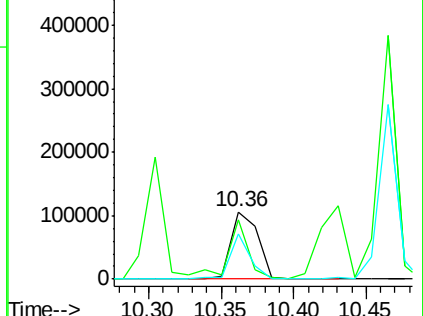
Tgt Ion:	198	Resp:	137295
Ion Ratio	Lower	Upper	
198	100		
51	87.5	18.9	58.9#
105	66.9	26.4	66.4#

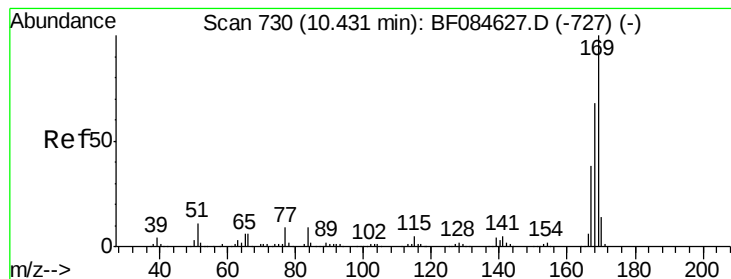


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





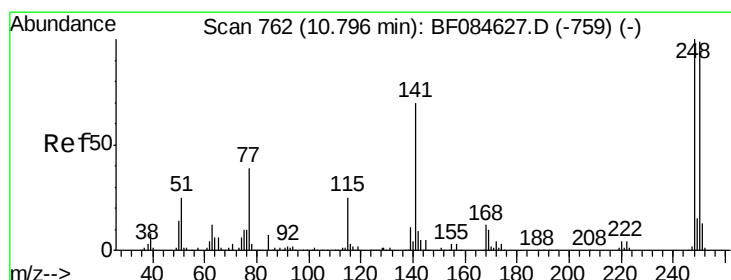
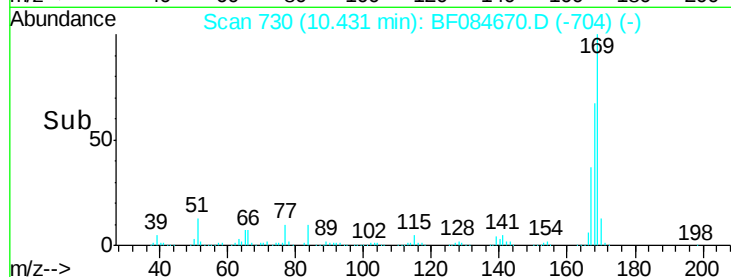
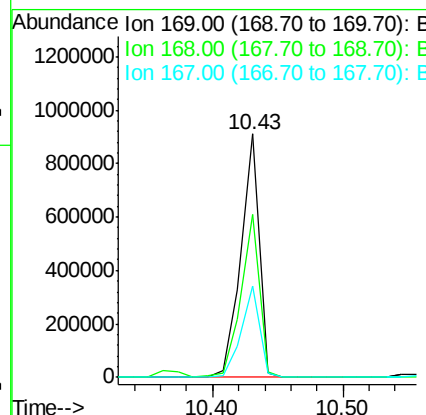
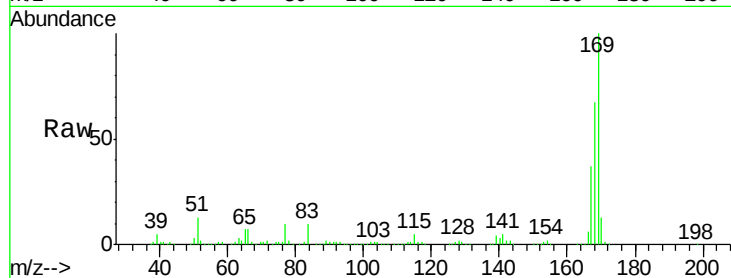
#65
 n-Nitrosodiphenylamine
 Concen: 49.97 ng
 RT: 10.43 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	66.8	55.1	82.7
167	37.3	30.0	45.0

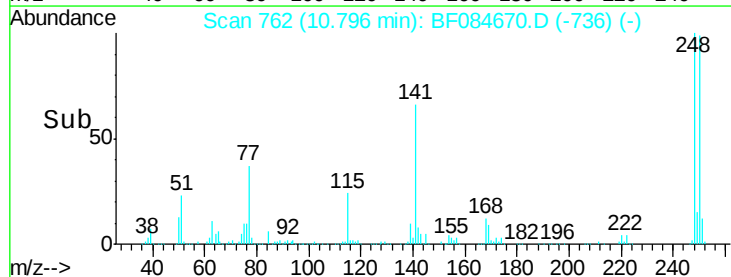
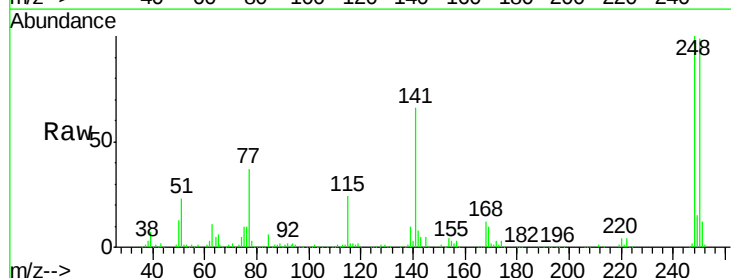
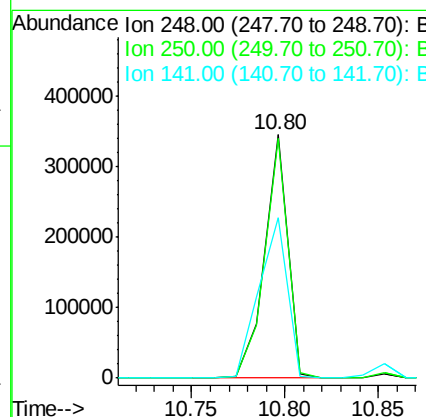
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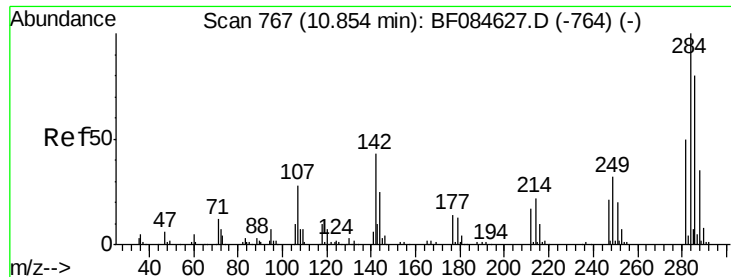
mohammad
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#66
 4-Bromophenyl-phenylether
 Concen: 48.27 ng
 RT: 10.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.4	117.6
141	66.1	44.0	66.0





#67

Hexachlorobenzene

Concen: 42.80 ng

RT: 10.85 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

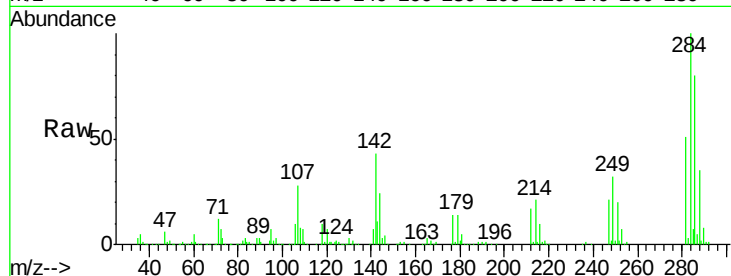
ClientSampleId :

SUP-B013(20-23)MSD

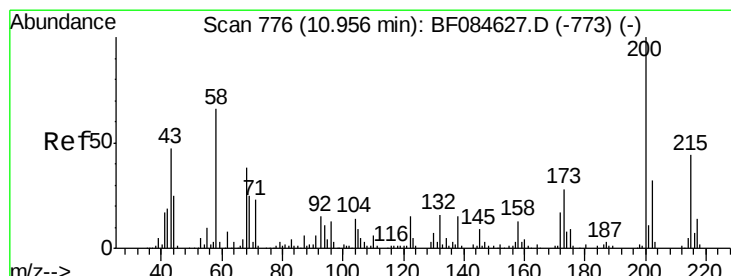
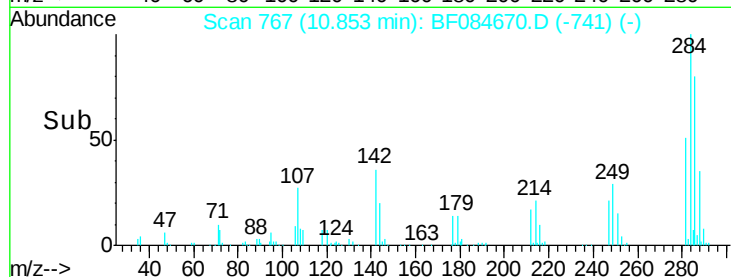
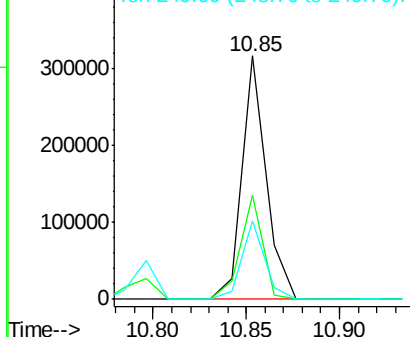
Tot Ion:	284	Resp:	284584
Ion Ratio	Lower	Upper	
284	100		
142	42.8	22.2	33.4#
249	32.3	24.6	37.0

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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 43.58 ng

RT: 10.96 min Scan# 776

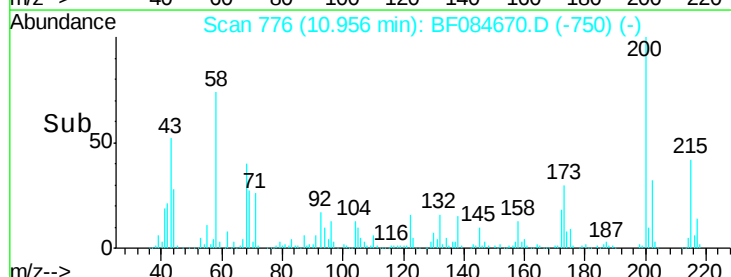
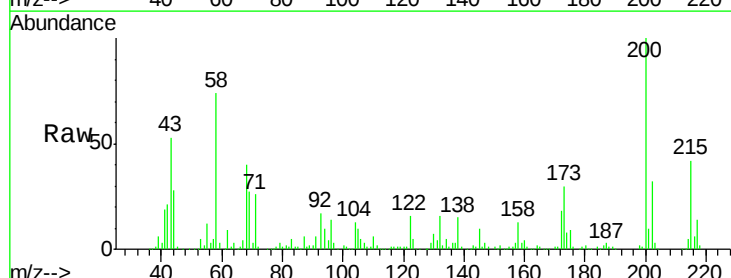
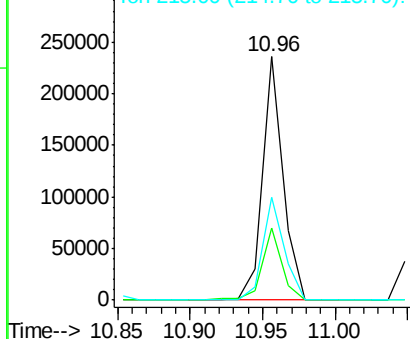
Delta R.T. -0.00 min

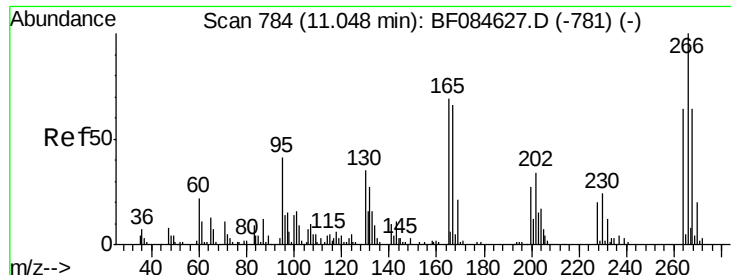
Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Tgt Ion:	200	Resp:	229815
Ion Ratio	Lower	Upper	
200	100		
173	29.6	9.5	49.5
215	42.4	23.8	63.8

Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





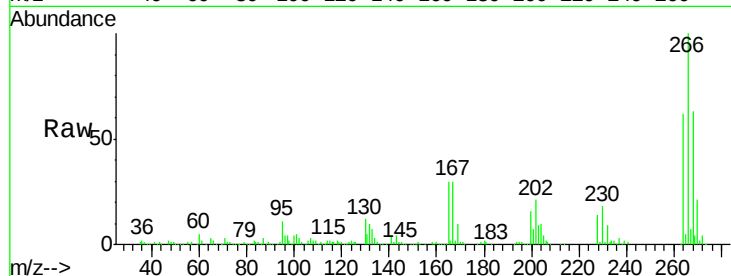
#69
Pentachlorophenol
 Concen: 88.96 ng
 RT: 11.06 min Scan# 785
 Delta R.T. 0.01 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)MSD

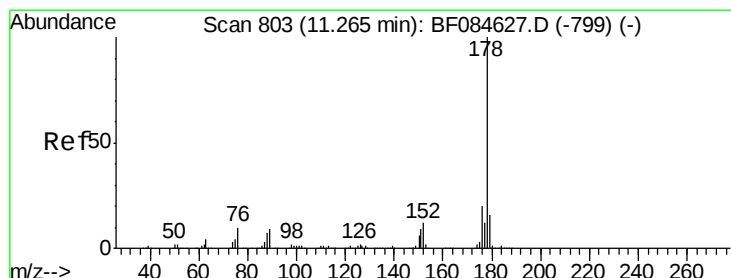
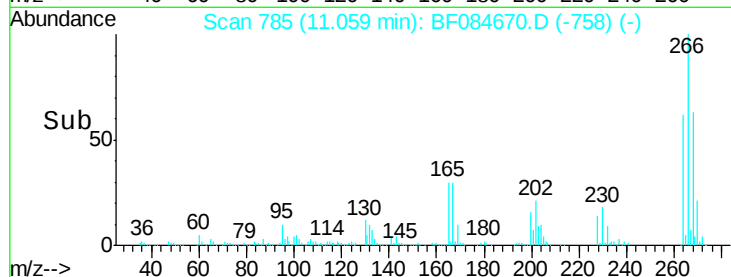
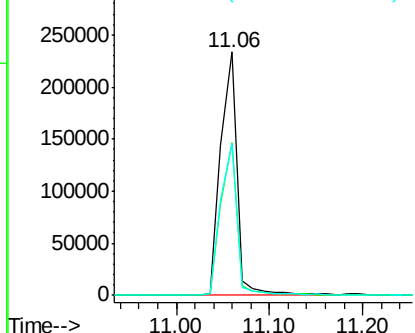
Tot Ion:	266	Resp:	285782
Ion Ratio	Lower	Upper	
266	100		
268	62.8	52.4	78.6
264	62.4	50.2	75.2

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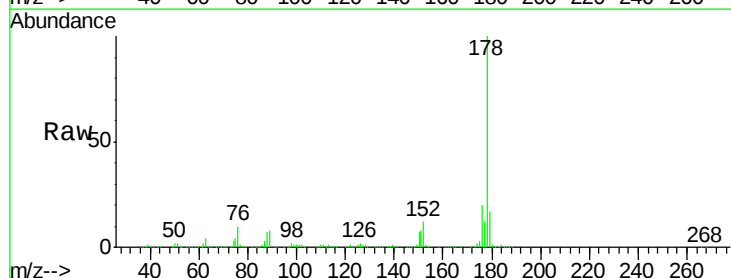


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

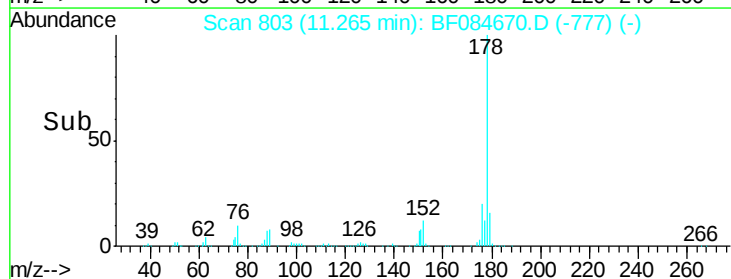
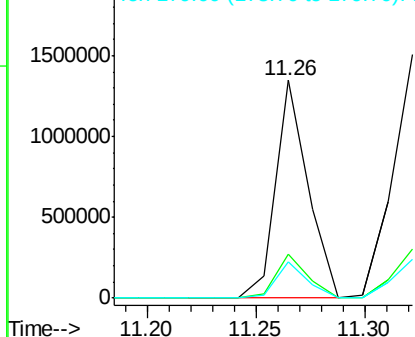


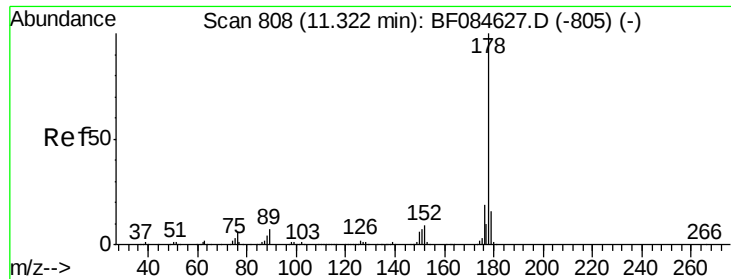
#70
Phenanthrene
 Concen: 46.62 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Tgt Ion:	178	Resp:	1399232
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.3	22.9
179	16.5	12.0	18.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





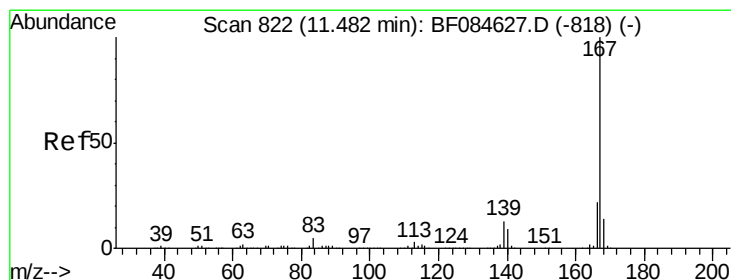
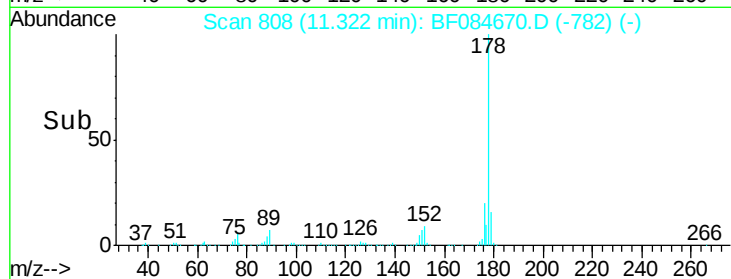
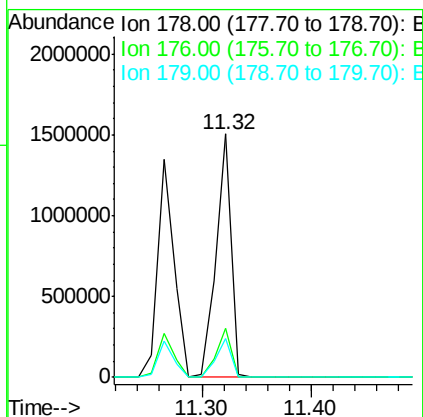
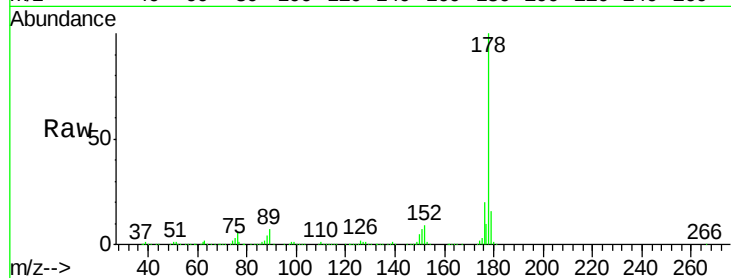
#71
 Anthracene
 Concen: 48.37 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)MSD

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.9	15.4	23.0	
179	15.9	12.5	18.7	

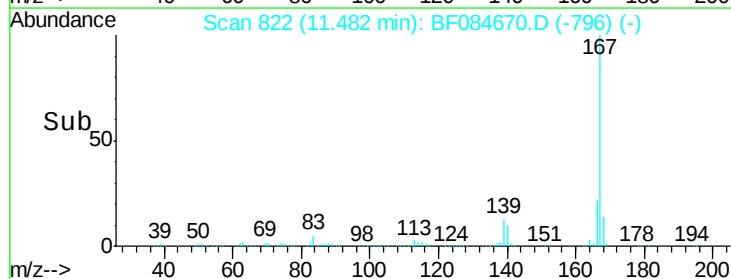
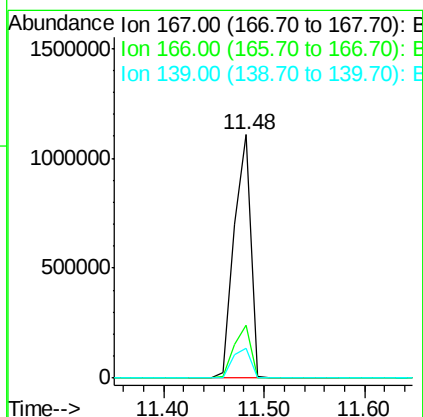
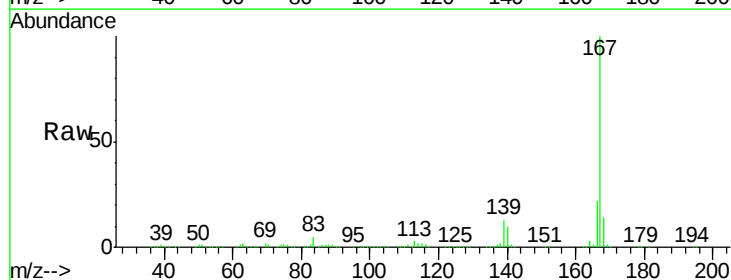
Manual Integrations
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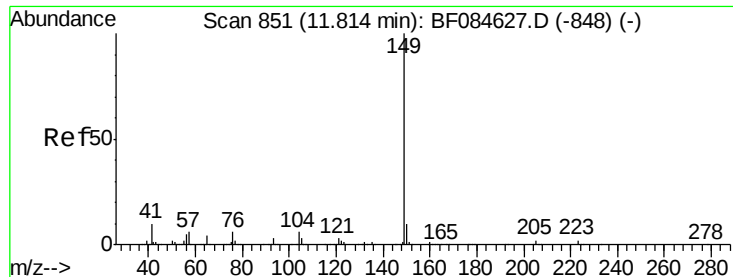
mohammad
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#72
 Carbazole
 Concen: 48.22 ng
 RT: 11.48 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Tgt Ion	Ion	Ratio	Lower	Upper
167	100			
166	22.0	17.6	26.4	
139	12.5	11.8	17.8	





#73

Di-n-butylphthalate

Concen: 42.00 ng

RT: 11.81 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion:149 Resp: 1343490

Ion Ratio Lower Upper

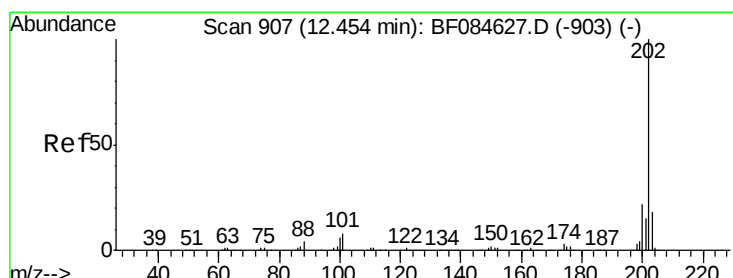
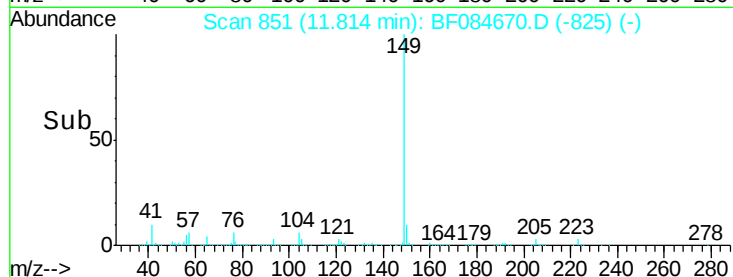
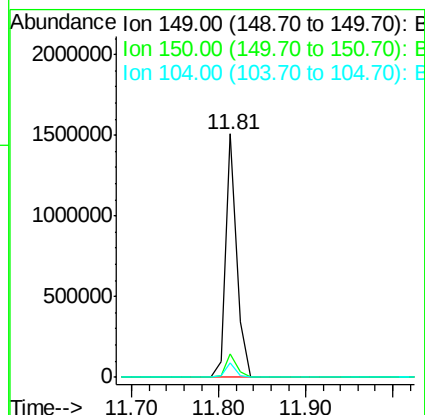
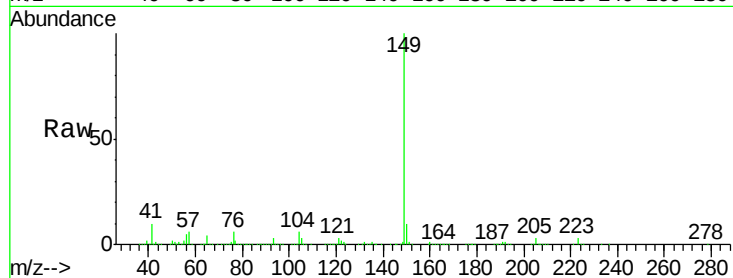
149 100

150 9.9 7.1 10.7

104 6.0 3.2 4.8#

Manual Integrations
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#74

Fluoranthene

Concen: 50.97 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

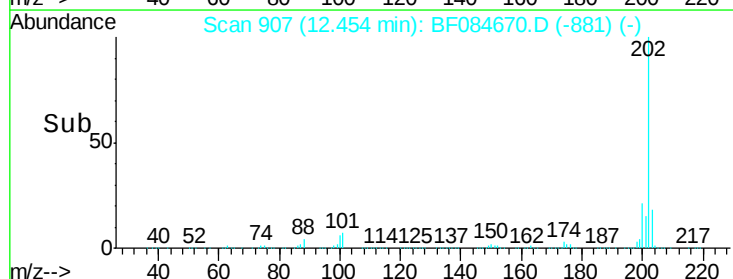
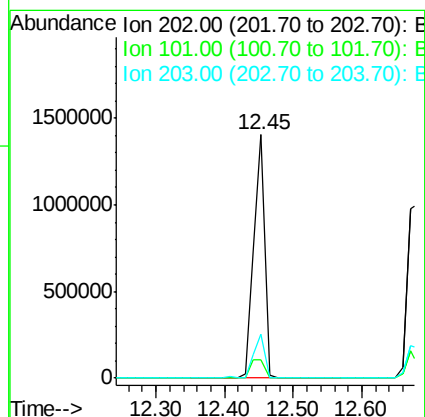
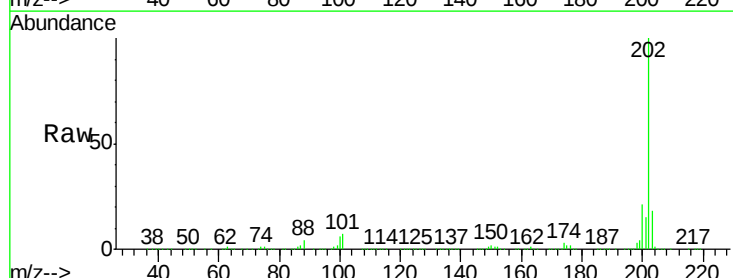
Tgt Ion:202 Resp: 1512389

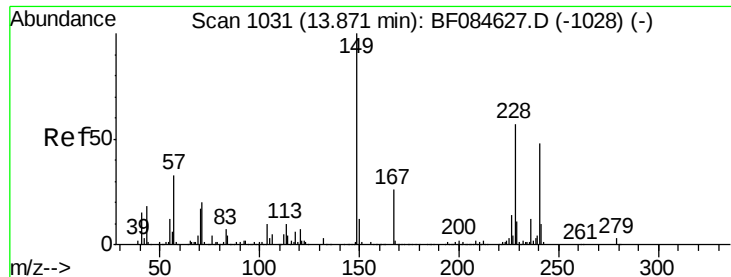
Ion Ratio Lower Upper

202 100

101 7.3 0.0 32.8

203 18.1 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

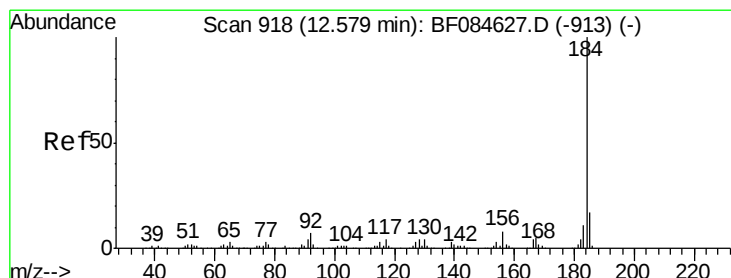
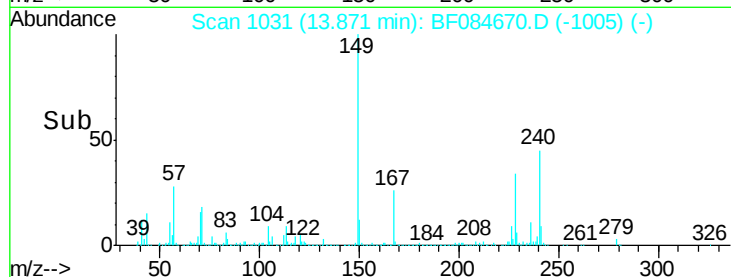
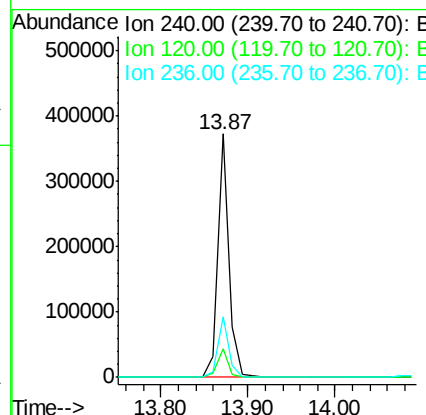
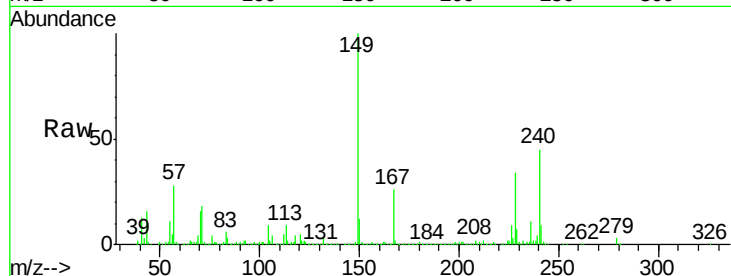
ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion:	240	Resp:	335783
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.5	14.3
236	24.7	20.6	31.0

Manual Integrations
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#76

Benzidine

Concen: 47.81 ng

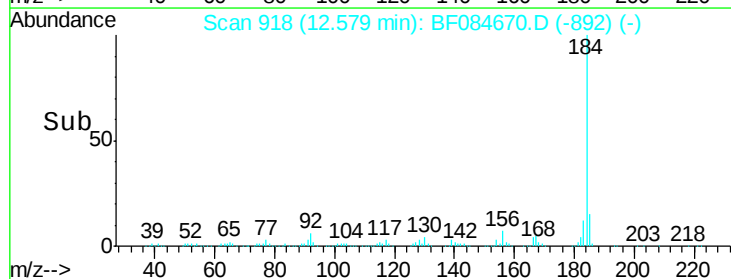
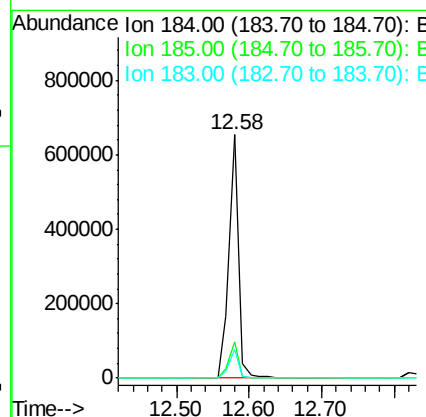
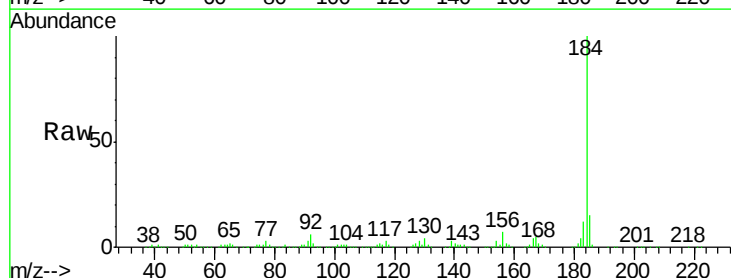
RT: 12.58 min Scan# 918

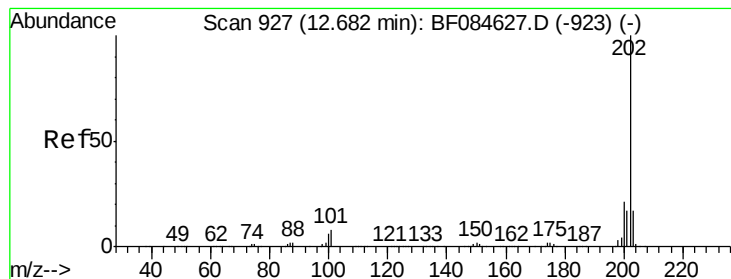
Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Tgt Ion:	184	Resp:	610628
Ion Ratio	Lower	Upper	
184	100		
185	15.0	12.2	18.2
183	11.5	9.8	14.8





#77

Pvrene

Concen: 56.05 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion:202 Resp: 1419641

Ion Ratio Lower Upper

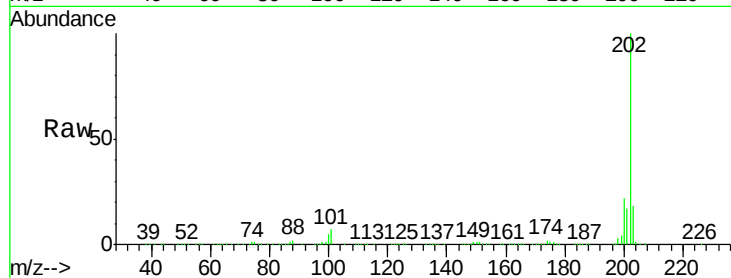
202 100

200 21.6 17.2 25.8

203 17.9 14.3 21.5

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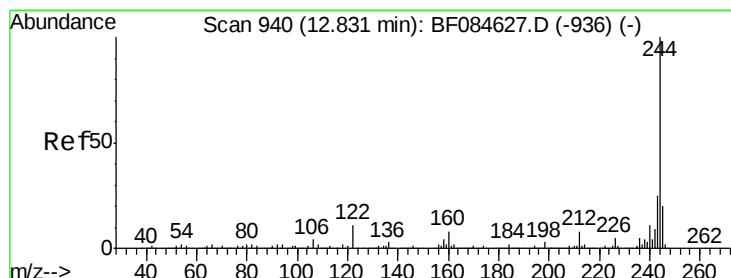
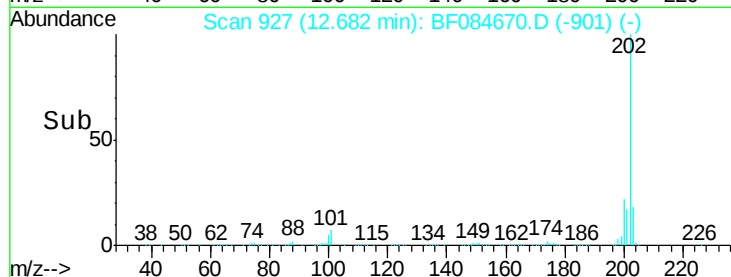
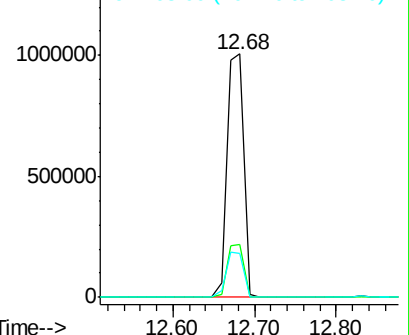
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 92.85 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

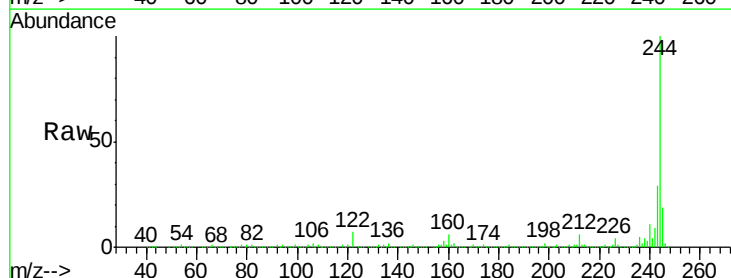
Tgt Ion:244 Resp: 1380459

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

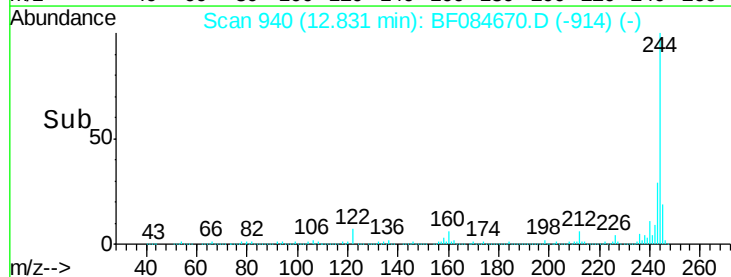
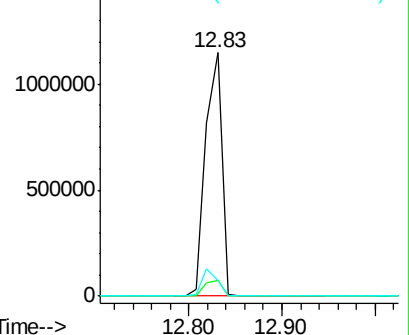
122 6.6 7.4 11.0#

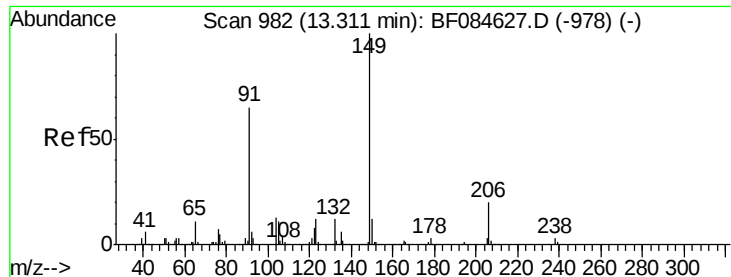


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





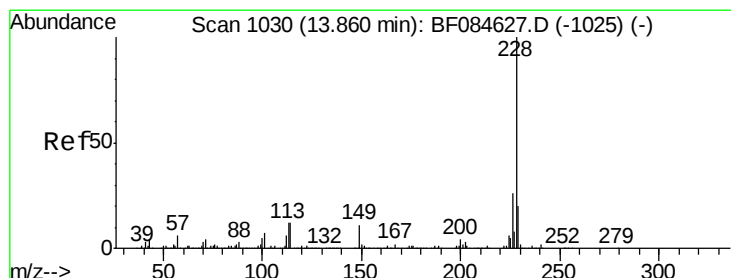
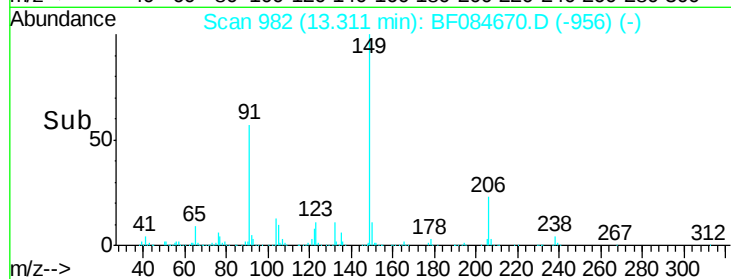
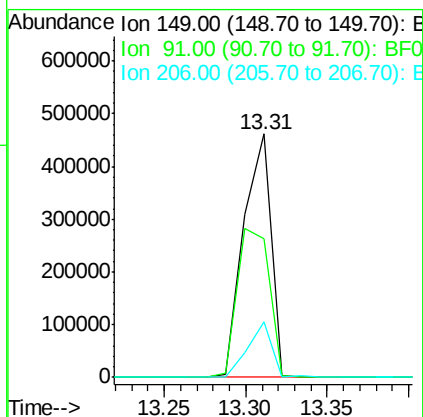
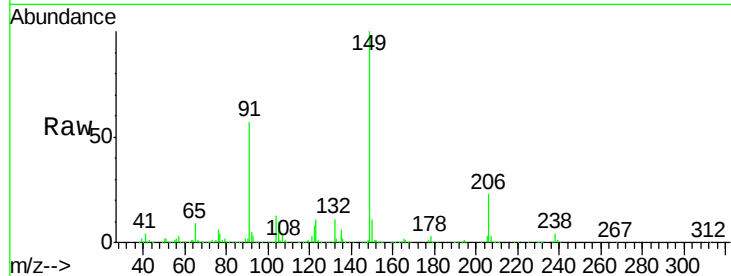
#79
Butylbenzylphthalate
Concen: 49.65 ng
RT: 13.31 min Scan# 982
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	57.0	57.6	86.4#
206	22.9	13.2	19.8#

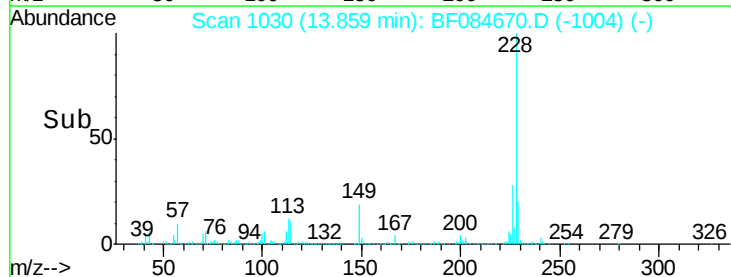
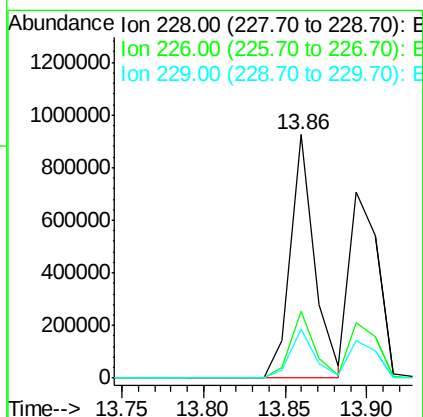
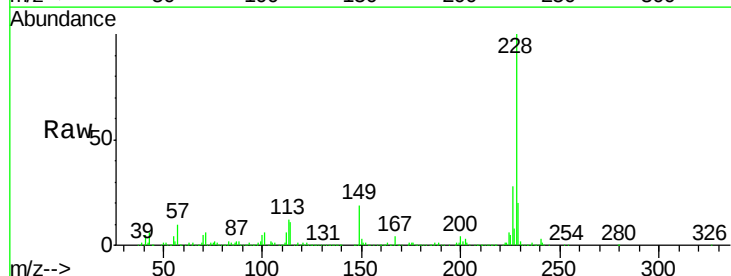
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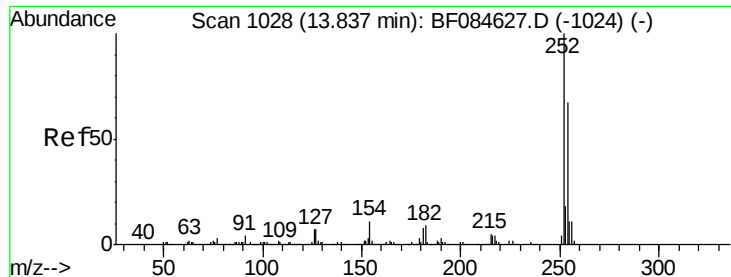
mohammad
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#80
Benzo(a)anthracene
Concen: 45.82 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.6
229	20.1	15.8	23.8





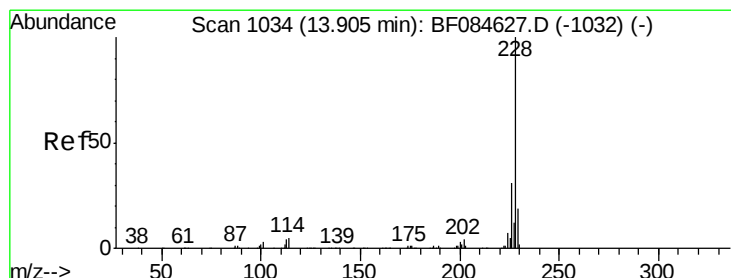
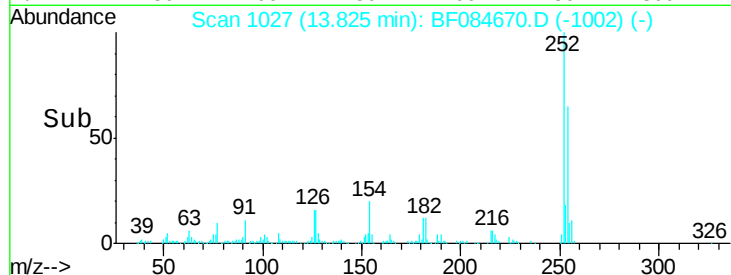
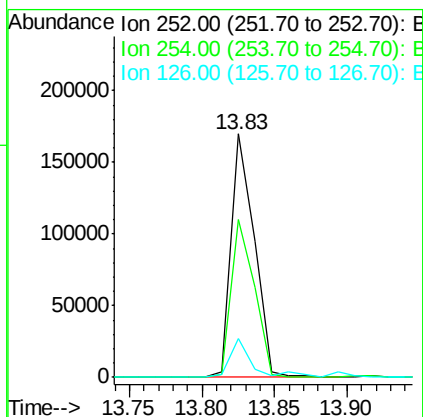
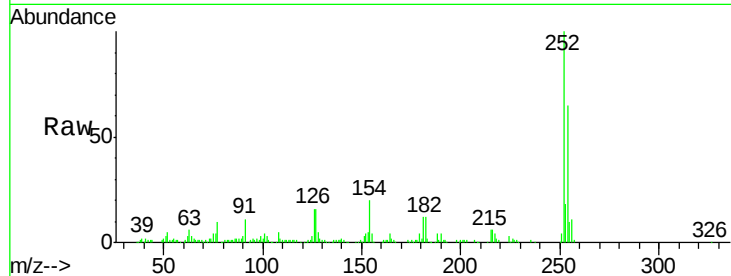
#81
 3,3'-Dichlorobenzidine
 Concen: 25.66 ng
 RT: 13.83 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.7	53.5	80.3
126	16.0	4.9	7.3

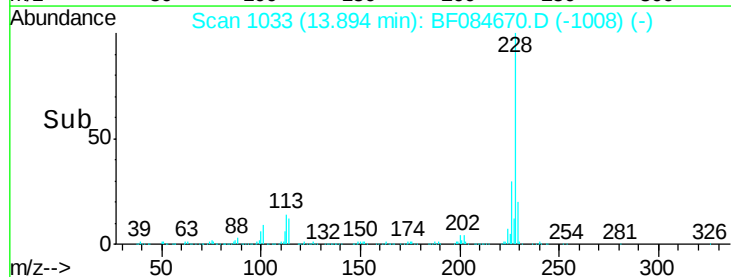
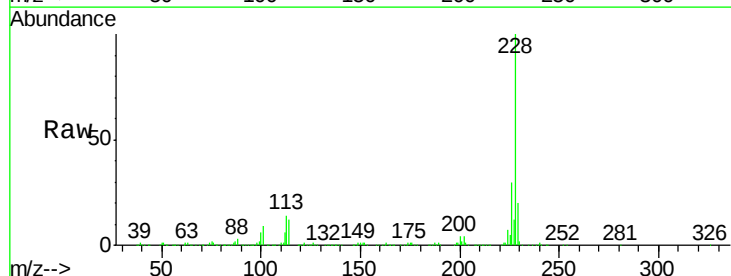
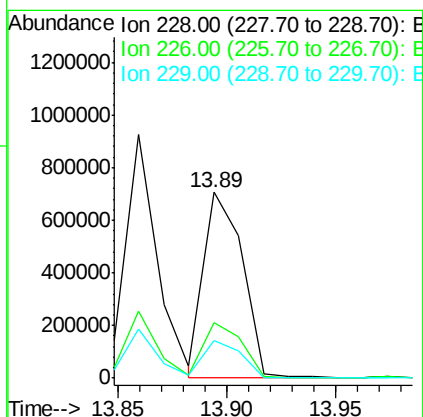
Manual Integrations
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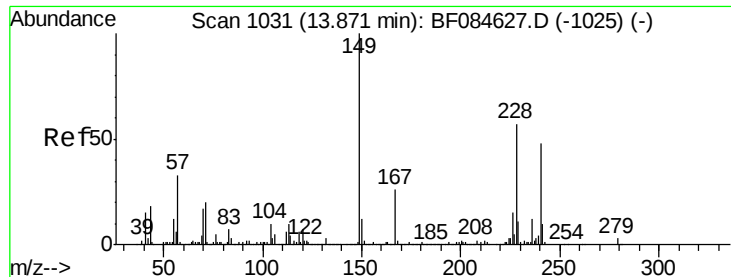
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#82
 Chrysene
 Concen: 42.07 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.0	24.3	36.5
229	20.0	16.1	24.1





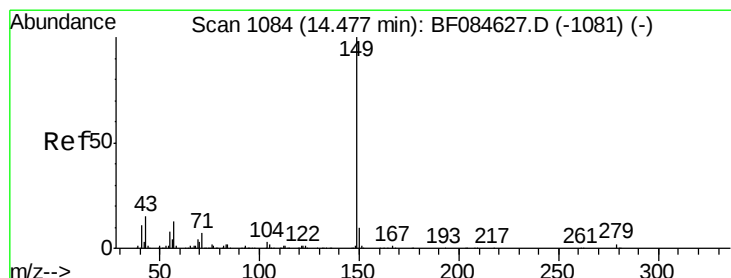
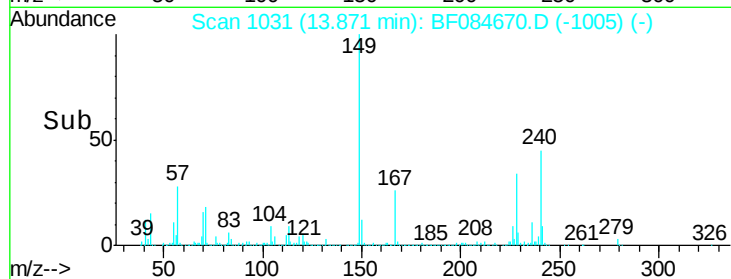
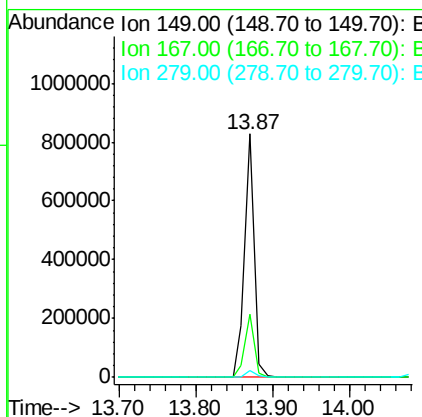
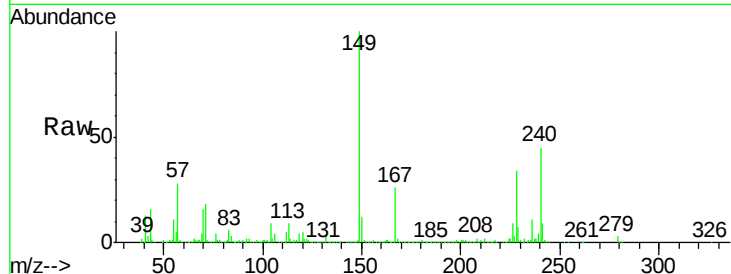
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 51.88 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.9	19.7	29.5
279	2.9	1.8	2.6

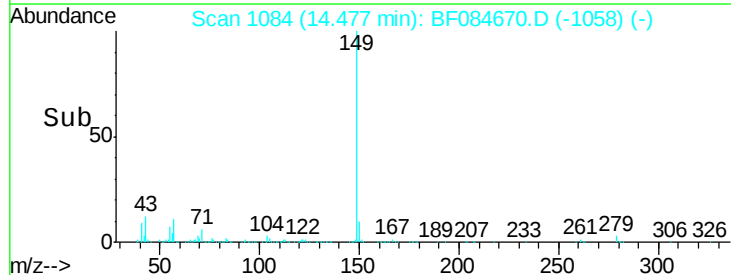
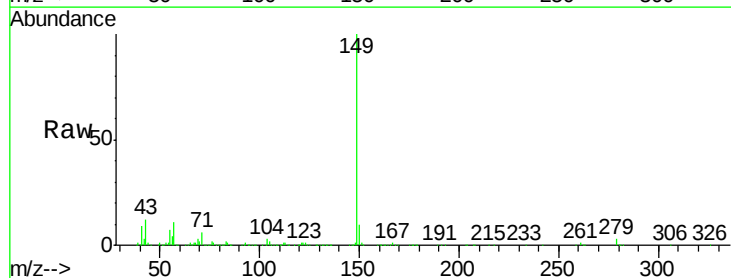
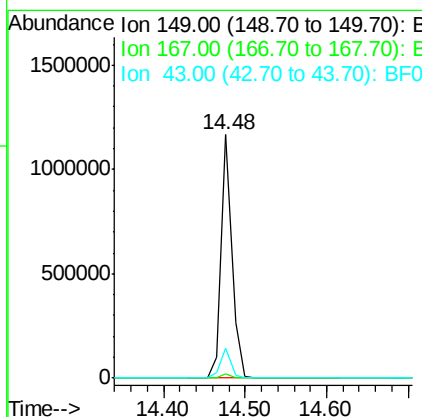
Manual Integrations
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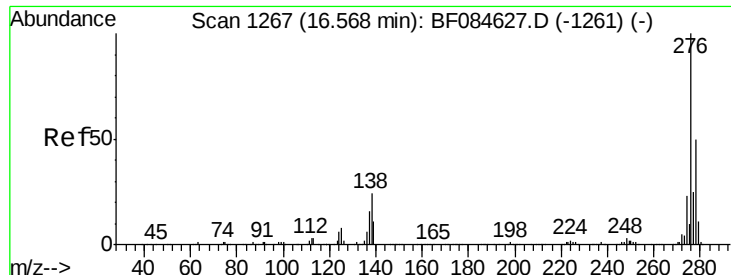
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 48.19 ng
 RT: 14.48 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.6	5.6	8.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 53.94 ng

RT: 16.57 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

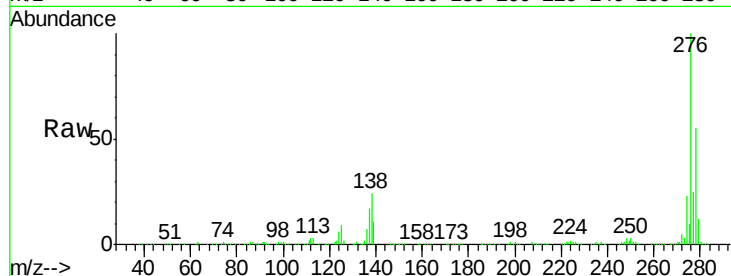
ClientSampleId :

SUP-B013(20-23)MSD

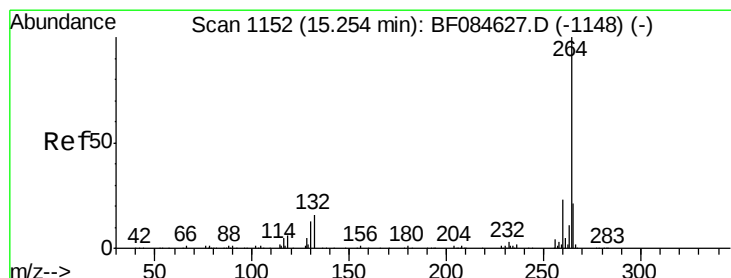
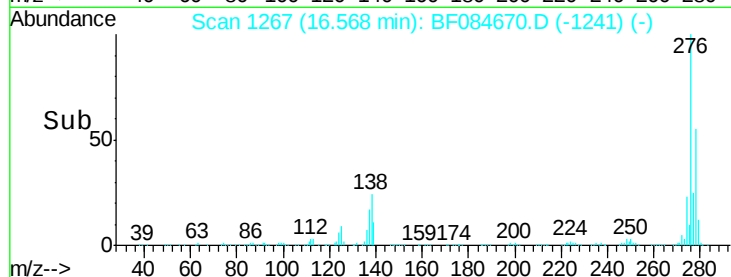
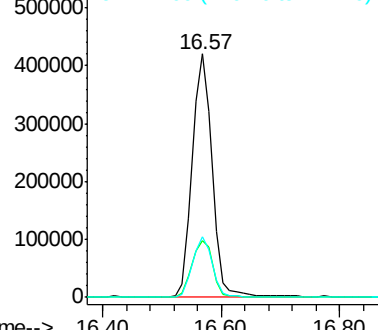
Tot Ion:	276	Resp:	983933
Ion Ratio		Lower	Upper
276	100		
138	24.9	20.6	30.8
277	24.7	20.1	30.1

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

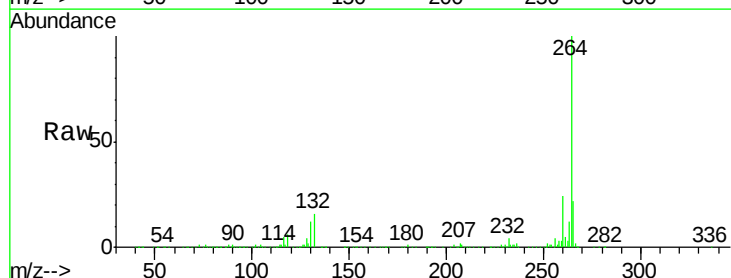
RT: 15.25 min Scan# 1152

Delta R.T. -0.00 min

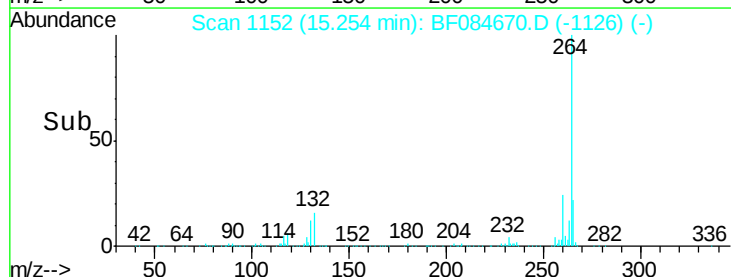
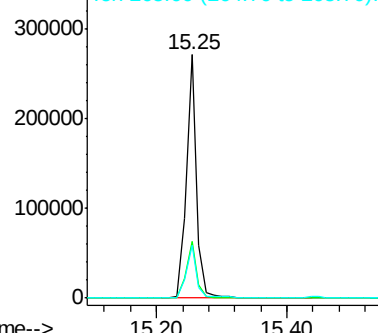
Lab File: BF084670.D

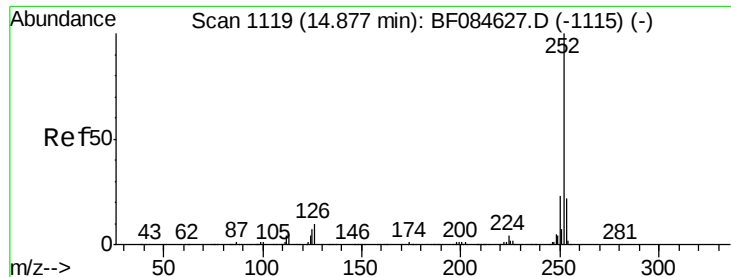
Acq: 30 Jan 2016 7:55

Tgt Ion:	264	Resp:	301052
Ion Ratio		Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.7	17.8	26.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 51.33 ng m

RT: 14.88 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Instrument :

BNA_F

ClientSampleId :

SUP-B013(20-23)MSD

Tot Ion:252 Resp: 1000542

Ion Ratio Lower Upper

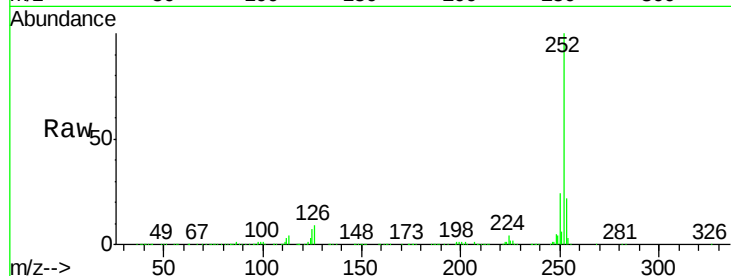
252 100

253 22.1 17.3 25.9

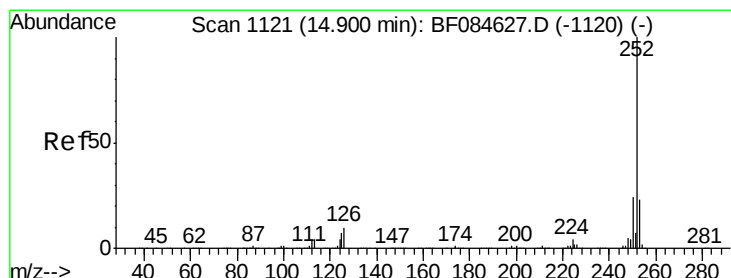
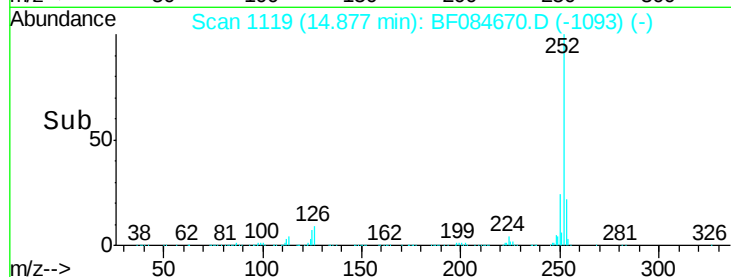
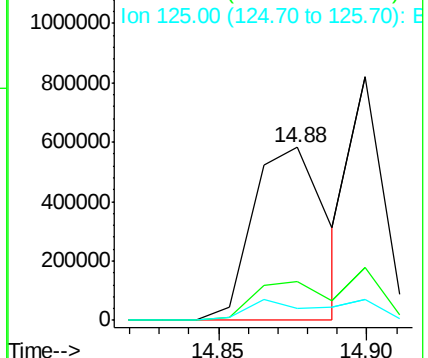
125 6.7 6.5 9.7

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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: 39.99 ng m

RT: 14.90 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BF084670.D

Acq: 30 Jan 2016 7:55

Tgt Ion:252 Resp: 643941

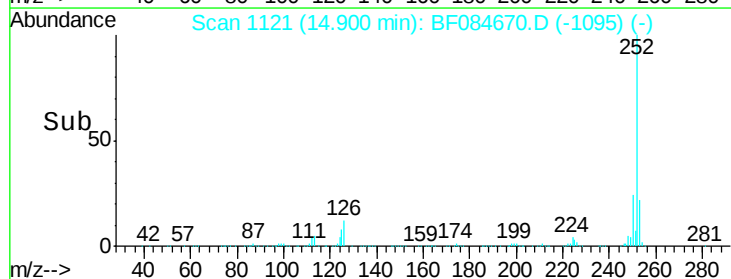
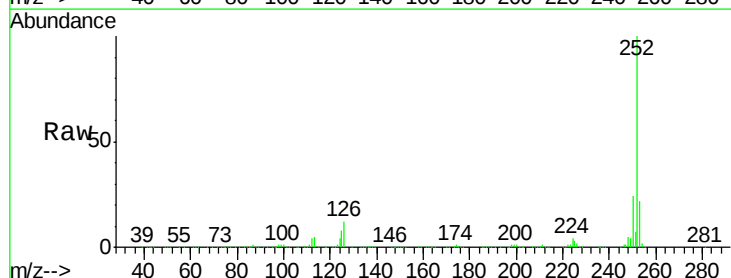
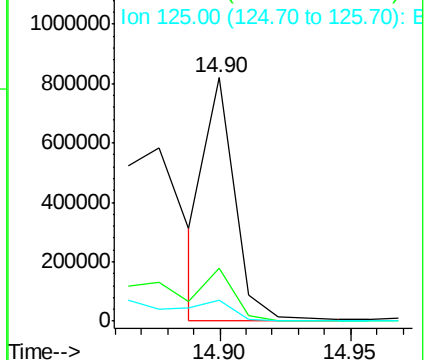
Ion Ratio Lower Upper

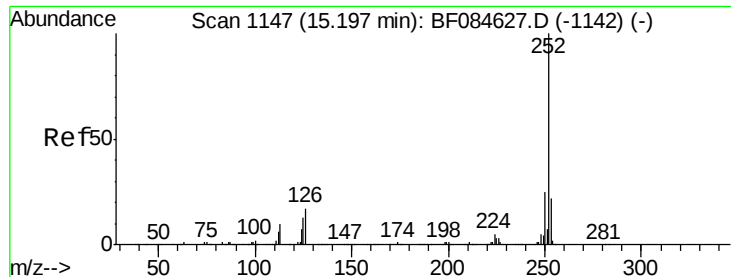
252 100

253 21.8 18.1 27.1

125 8.4 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





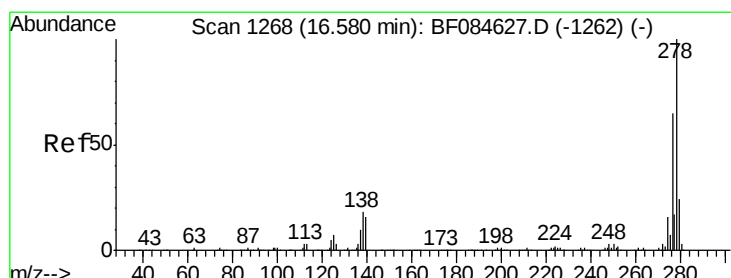
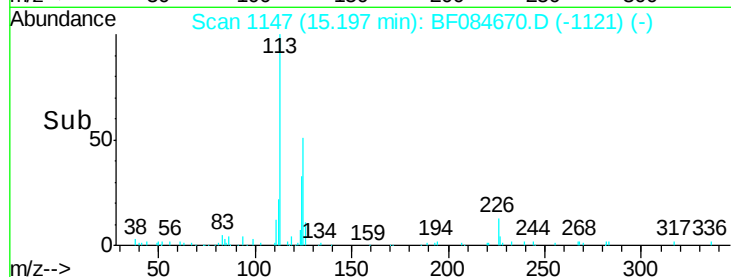
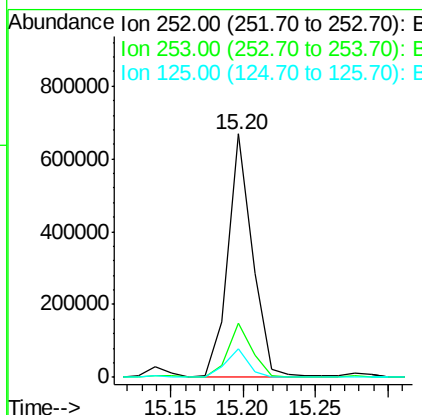
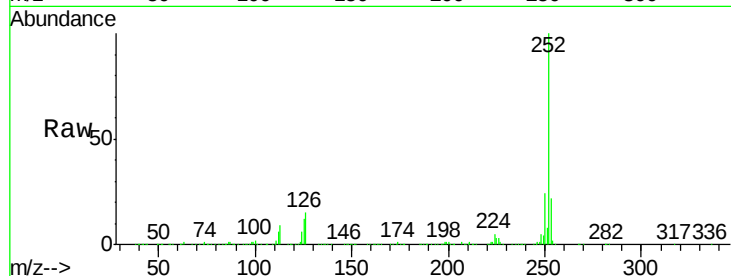
#89
Benzo(a)pyrene
Concen: 46.43 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Instrument :
BNA_F
ClientSampleId :
SUP-B013(20-23)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	11.9	7.0	10.4

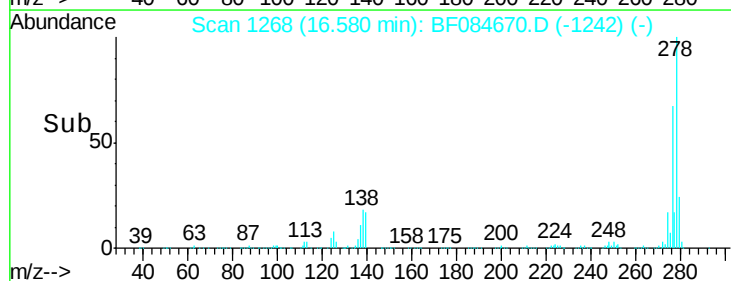
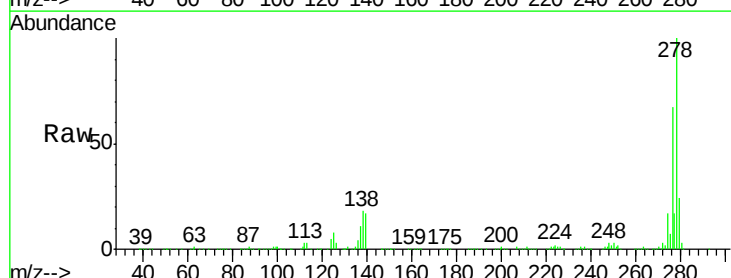
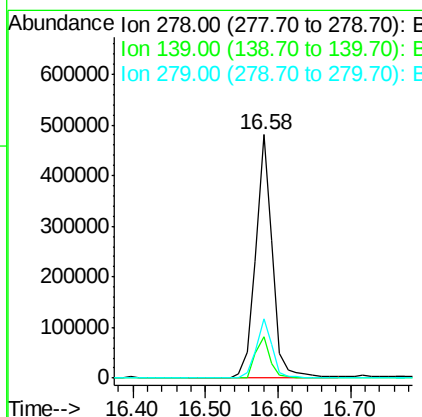
Manual Integrations
APPROVED

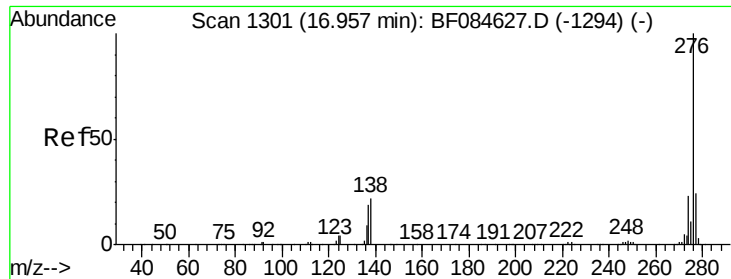
mohammad
2/1/2016 2:25:32 PM



#90
Dibenzo(a,h)anthracene
Concen: 51.51 ng
RT: 16.58 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF084670.D
Acq: 30 Jan 2016 7:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	15.0	22.4
279	24.4	18.9	28.3





#91
 Benzo(a,h,i)perylene
 Concen: 56.19 ng
 RT: 16.96 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF084670.D
 Acq: 30 Jan 2016 7:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B013(20-23)MSD

Tot Ion:	276	Resp:	862110
Ion Ratio		Lower	Upper
276	100		
277	24.2	18.8	28.2
138	23.8	17.8	26.6

Manual Integrations
 APPROVED

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