

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
 Data File : BF084815.D
 Acq On : 4 Feb 2016 5:32
 Operator : SJ/IZ
 Sample : H1312-09MSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Manual Integrations
 APPROVED

mohammad
 2/4/2016 2:05:25 PM

Quant Time: Feb 04 06:24:35 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	183541	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	747237	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	351988	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	633237	20.00	ng	0.00
75) Chrysene-d12	13.84	240	404643	20.00	ng	0.00
86) Perylene-d12	15.21	264	357098	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1587003	134.68	ng	0.01
7) Phenol-d6	6.35	99	1953358	133.72	ng	0.01
23) Nitrobenzene-d5	7.26	82	1216097	91.68	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	506388	137.92	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1920569	96.09	ng	0.00
78) Terphenyl-d14	12.80	244	1630066	91.29	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.26	88	189188	36.65	ng	# 74
3) Pyridine	2.92	79	589899	43.86	ng	# 76
4) n-Nitrosodimethylamine	2.89	42	328452	47.22	ng	84
6) Aniline	6.36	93	580965	32.50	ng	# 1
8) 2-Chlorophenol	6.48	128	590789	44.29	ng	92
9) Benzaldehyde	6.22	77	232490	26.95	ng	93
10) Phenol	6.36	94	853350	52.14	ng	97
11) bis(2-Chloroethyl)ether	6.43	93	569721m	44.64	ng	
12) 1,3-Dichlorobenzene	6.62	146	595278	42.24	ng	# 93
13) 1,4-Dichlorobenzene	6.70	146	628201	44.59	ng	95
14) 1,2-Dichlorobenzene	6.86	146	552503	42.11	ng	93
15) Benzyl Alcohol	6.84	79	487779	48.36	ng	91
16) 2,2'-oxybis(1-Chloropropan	6.98	45	883659	41.16	ng	92
17) 2-Methylphenol	6.97	107	493240	46.76	ng	# 91
18) Hexachloroethane	7.20	117	233633	43.07	ng	95
19) n-Nitroso-di-n-propylamine	7.12	70	428265	46.77	ng	# 74
20) 3+4-Methylphenols	7.13	107	634946	48.49	ng	88
22) Acetophenone	7.10	105	882160	44.79	ng	99
24) Nitrobenzene	7.28	77	591356	41.63	ng	94
25) Isophorone	7.53	82	1193470	46.27	ng	98
26) 2-Nitrophenol	7.60	139	328803	46.93	ng	# 87
27) 2,4-Dimethylphenol	7.65	122	612638	50.27	ng	88
28) bis(2-Chloroethoxy)methane	7.74	93	745927	48.75	ng	98
29) 2,4-Dichlorophenol	7.85	162	528134	50.65	ng	94
30) 1,2,4-Trichlorobenzene	7.92	180	503933	42.79	ng	98
31) Naphthalene	8.00	128	1595213	42.56	ng	99
32) Benzoic acid	7.73	122	23788	3.05	ng	93
33) 4-Chloroaniline	8.05	127	320725	20.69	ng	97
34) Hexachlorobutadiene	8.12	225	300643	44.27	ng	99
35) Caprolactam	8.44	113	157629m	49.05	ng	
36) 4-Chloro-3-methylphenol	8.56	107	554671	46.63	ng	98
37) 2-Methylnaphthalene	8.69	142	1209618	51.56	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.85	216	442359	39.57	ng	99
40) Hexachlorocyclopentadiene	8.84	237	375346	77.17	ng	96

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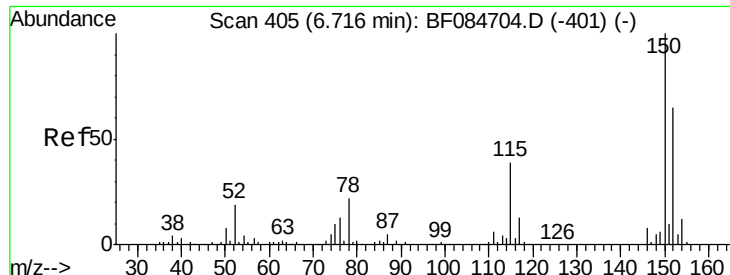
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	369629	51.32	nq	93
43) 2,4,5-Trichlorophenol	9.02	196	336950	46.05	nq	97
45) 1,1'-Biphenyl	9.16	154	1365227	43.42	nq	95
46) 2-Chloronaphthalene	9.17	162	979439	42.30	nq	97
47) 2-Nitroaniline	9.28	65	327343	44.65	nq	97
48) Acenaphthylene	9.60	152	1596655	45.44	nq	99
49) Dimethylphthalate	9.47	163	1530277	57.08	nq	# 90
50) 2,6-Dinitrotoluene	9.53	165	255303	43.59	nq	# 59
51) Acenaphthene	9.77	154	996198	43.58	nq	97
52) 3-Nitroaniline	9.69	138	165482	25.15	nq	99
53) 2,4-Dinitrophenol	9.80	184	66038	28.46	nq	91
54) Dibenzofuran	9.94	168	1385467	49.59	nq	99
55) 4-Nitrophenol	9.88	139	423924	87.65	nq	89
56) 2,4-Dinitrotoluene	9.93	165	292538	39.16	nq	# 67
57) Fluorene	10.28	166	1048614	44.95	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.05	232	261765	46.99	nq	92
59) Diethylphthalate	10.17	149	1194489	45.63	nq	97
60) 4-Chlorophenyl-phenylether	10.27	204	450195	46.11	nq	95
61) 4-Nitroaniline	10.30	138	267026	41.64	nq	93
62) Azobenzene	10.43	77	1239397	49.24	nq	91
64) 4,6-Dinitro-2-methylphenol	10.34	198	159234	40.74	nq	97
65) n-Nitrosodiphenylamine	10.40	169	983418	48.91	nq	98
66) 4-Bromophenyl-phenylether	10.76	248	335714	48.00	nq	96
67) Hexachlorobenzene	10.82	284	327532	42.98	nq	# 86
68) Atrazine	10.93	200	338200	53.26	nq	93
69) Pentachlorophenol	11.02	266	365791	102.13	nq	99
70) Phenanthrene	11.23	178	1430318	40.72	nq	97
71) Anthracene	11.29	178	1656453	46.81	nq	99
72) Carbazole	11.45	167	1482833	48.05	nq	97
73) Di-n-butylphthalate	11.78	149	1567602	39.90	nq	# 96
74) Fluoranthene	12.42	202	1598518	44.97	nq	93
76) Benzidine	12.55	184	738011	55.94	nq	98
77) Pyrene	12.64	202	1483865	47.90	nq	99
79) Butylbenzylphthalate	13.28	149	717640	51.06	nq	# 82
80) Benzo(a)anthracene	13.83	228	1127826	44.91	nq	99
81) 3,3'-Dichlorobenzidine	13.79	252	241387	27.15	nq	# 96
82) Chrysene	13.86	228	993547	40.80	nq	99
83) Bis(2-ethylhexyl)phthalate	13.84	149	919853	52.59	nq	# 96
84) Di-n-octyl phthalate	14.44	149	1355936	46.99	nq	# 88
85) Indeno(1,2,3-cd)pyrene	16.50	276	1038203	54.16	nq	99
87) Benzo(b)fluoranthene	14.83	252	956436m	39.86	nq	
88) Benzo(k)fluoranthene	14.85	252	954122m	48.09	nq	
89) Benzo(a)pyrene	15.15	252	924404	45.22	nq	# 95
90) Dibenzo(a,h)anthracene	16.52	278	856610	49.78	nq	# 93
91) Benzo(g,h,i)perylene	16.89	276	884628	51.03	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

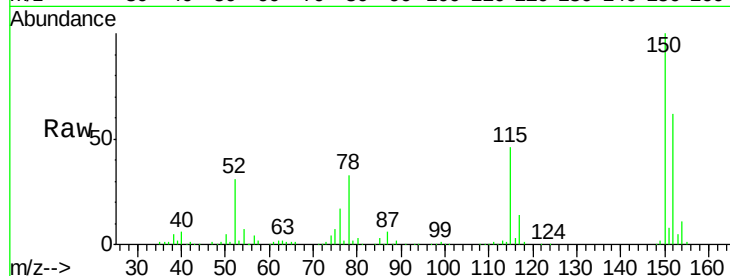
ClientSampleId :

SUP-B005(34-36)MSD

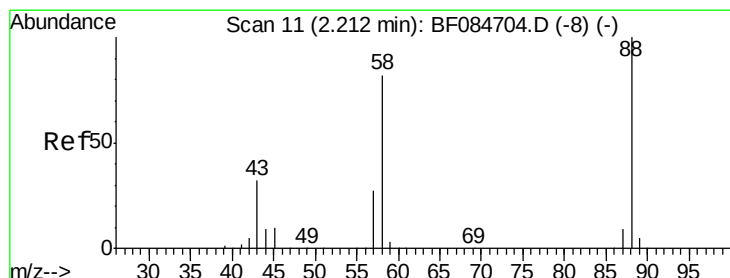
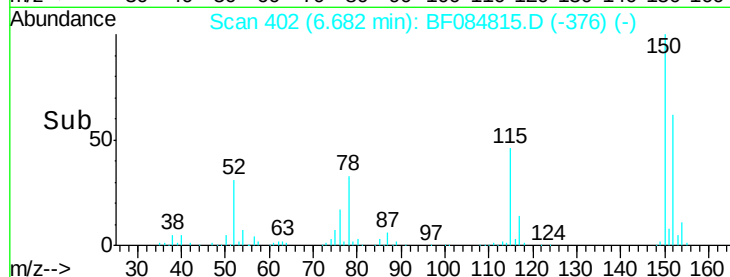
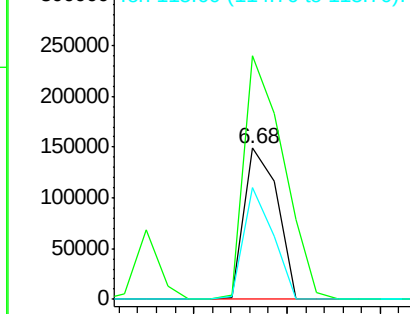
Tot Ion:	152	Resp:	183541
Ion Ratio	Lower	Upper	
152	100		
150	161.3	123.0	184.4
115	73.8	51.4	77.2

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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



#2

1,4-Dioxane

Concen: 36.65 ng

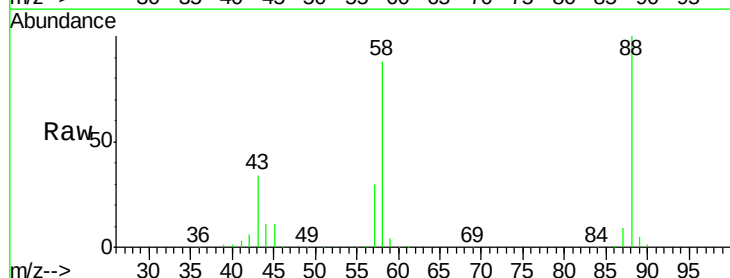
RT: 2.26 min Scan# 15

Delta R.T. 0.08 min

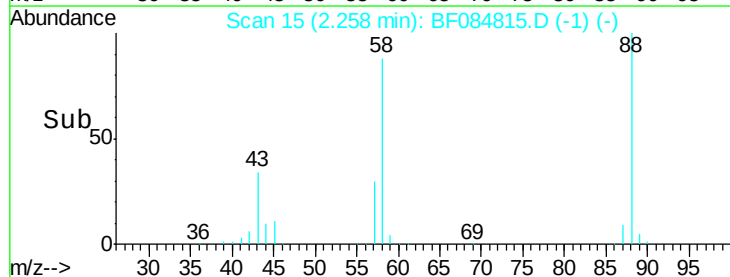
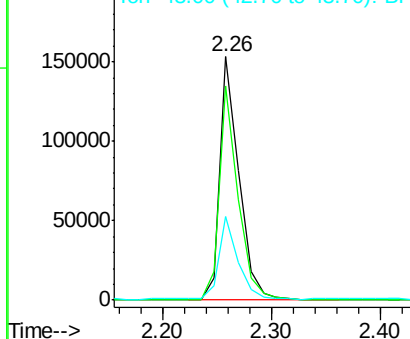
Lab File: BF084815.D

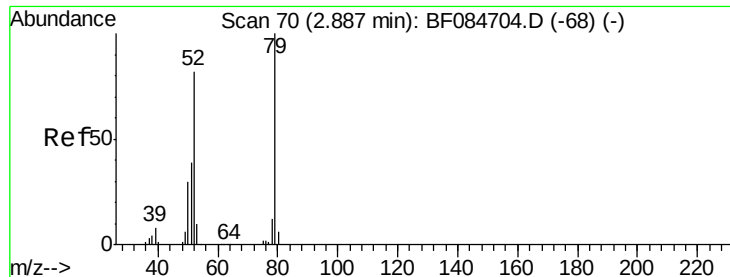
Acq: 4 Feb 2016 5:32

Tgt Ion:	88	Resp:	189188
Ion Ratio	Lower	Upper	
88	100		
58	86.6	51.2	76.8#
43	33.9	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: 43.86 ng

RT: 2.92 min Scan# 73

Delta R.T. 0.08 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

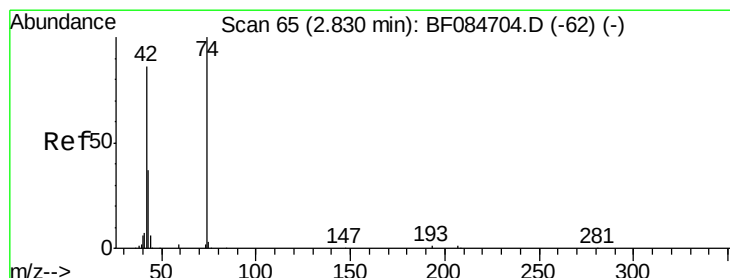
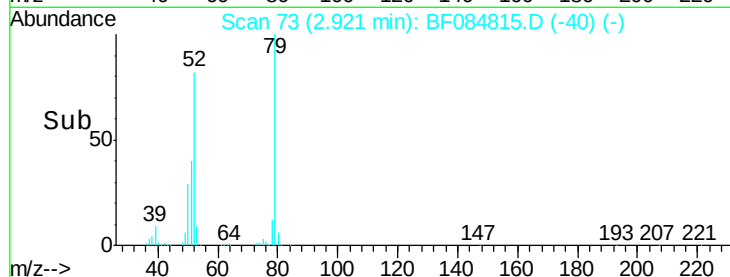
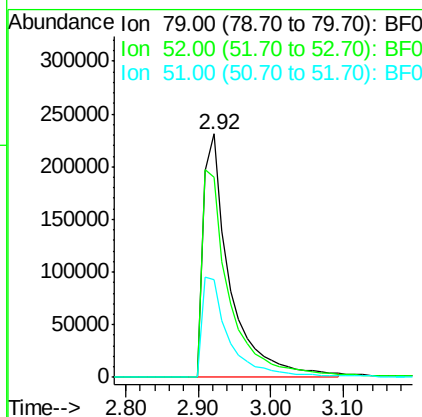
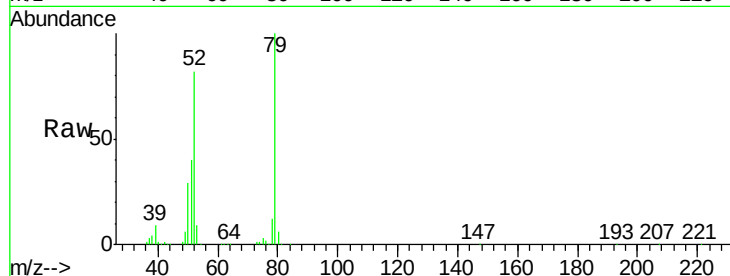
ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion:	79	Resp:	589899
Ion Ratio	Lower	Upper	
79	100		
52	82.4	49.0	73.4#
51	40.2	25.2	37.8#

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#4

n-Nitrosodimethylamine

Concen: 47.22 ng

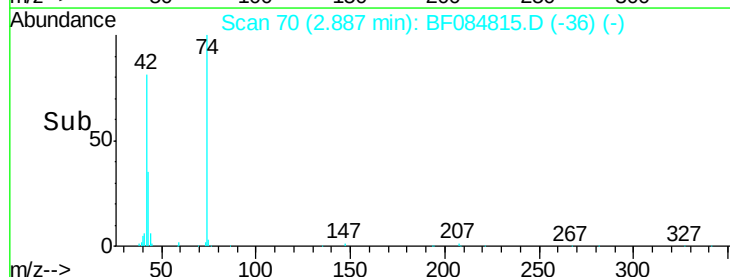
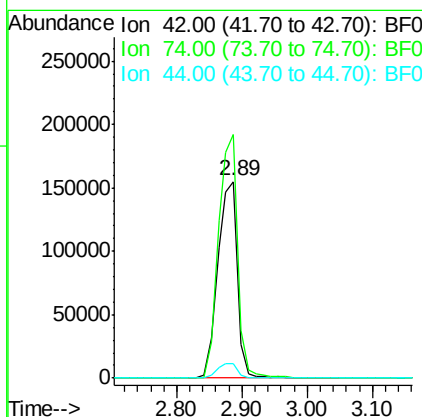
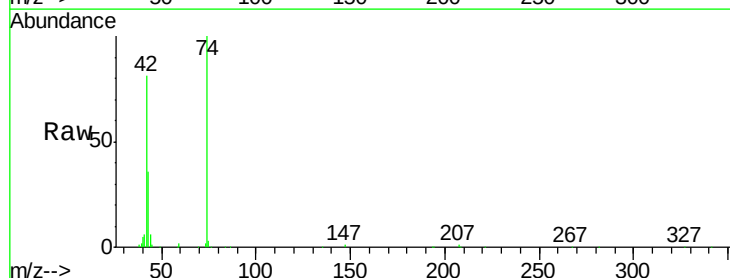
RT: 2.89 min Scan# 70

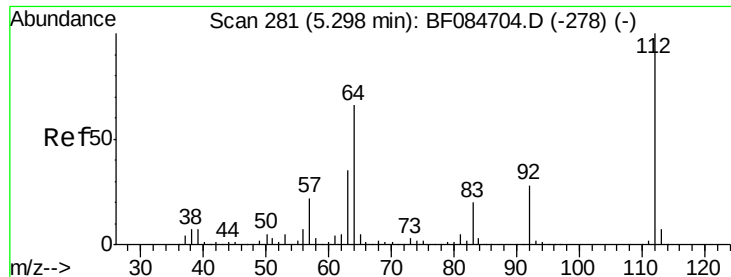
Delta R.T. 0.09 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Tgt Ion:	42	Resp:	328452
Ion Ratio	Lower	Upper	
42	100		
74	123.7	115.7	173.5
44	7.4	5.1	7.7





#5

2-Fluorophenol

Concen: 134.68 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion:112 Resp: 1587003

Ion Ratio Lower Upper

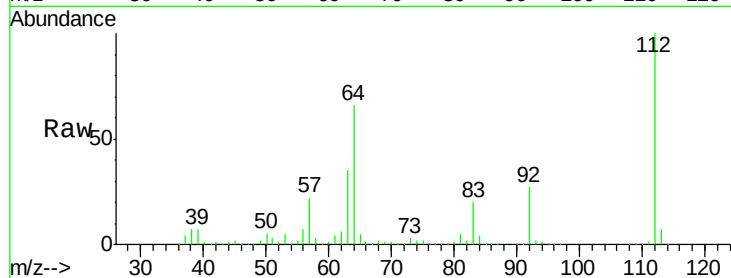
112 100

64 65.5 36.6 55.0#

63 34.8 19.4 29.0#

Manual Integrations
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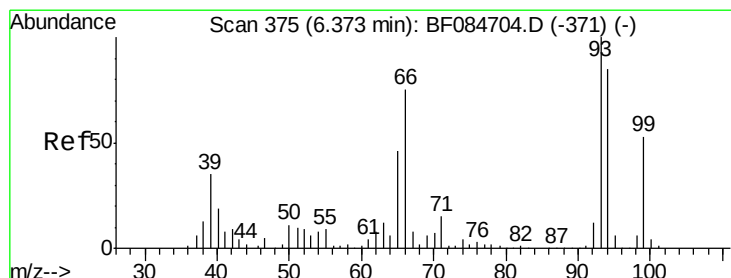
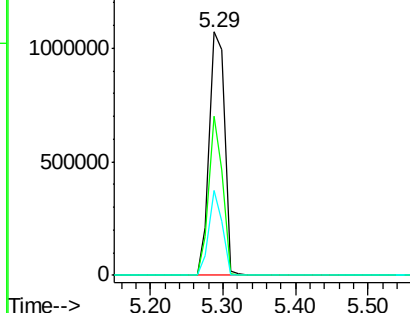
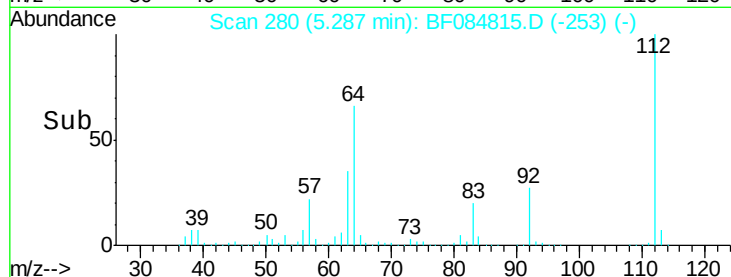
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 32.50 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

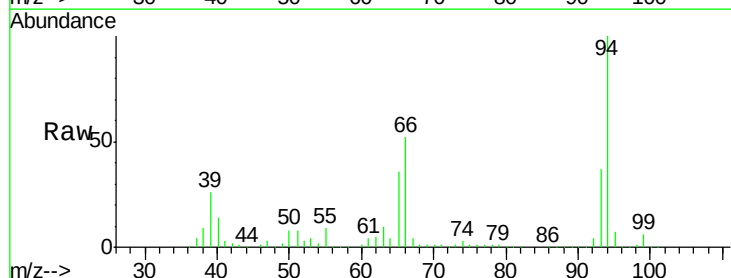
Tgt Ion: 93 Resp: 580965

Ion Ratio Lower Upper

93 100

66 140.7 44.9 67.3#

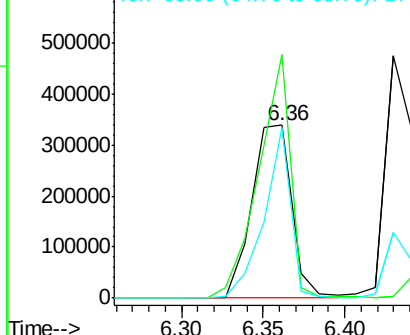
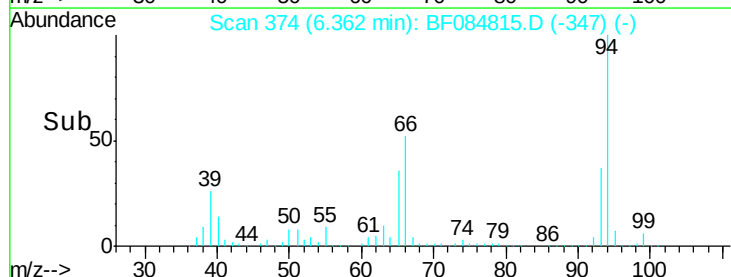
65 98.4 23.7 35.5#

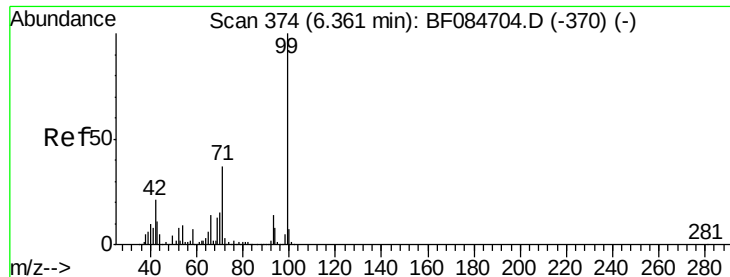


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 133.72 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion: 99 Resp: 1953358

Ion Ratio Lower Upper

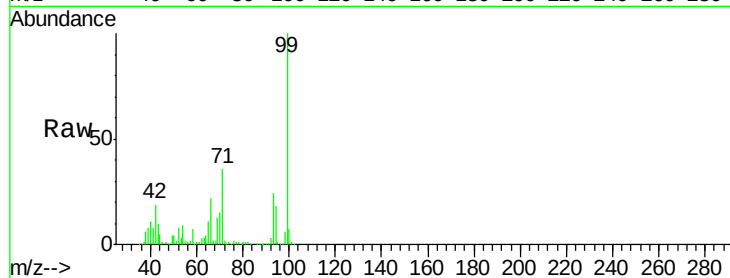
99 100

42 19.2 12.8 19.2

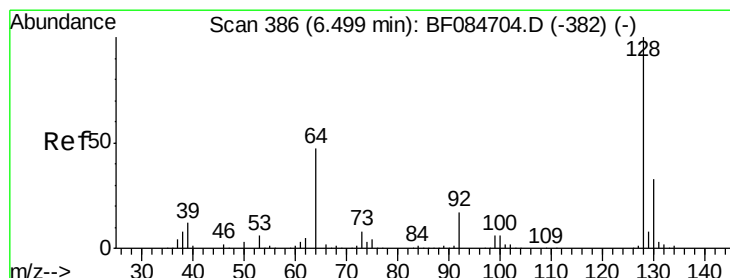
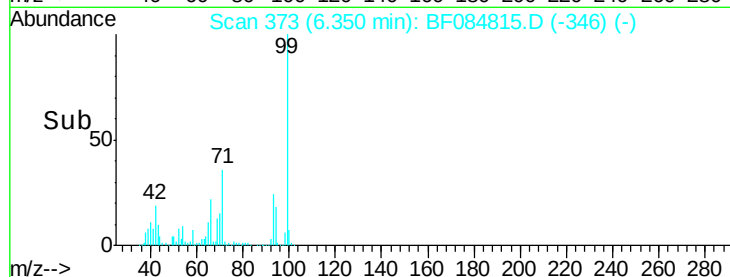
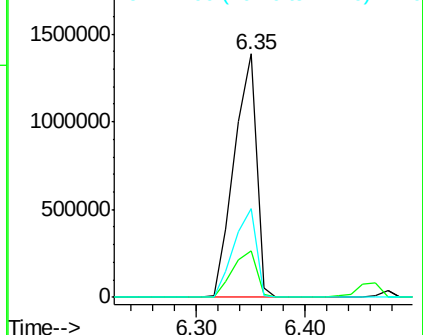
71 36.4 30.9 46.3

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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: 44.29 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

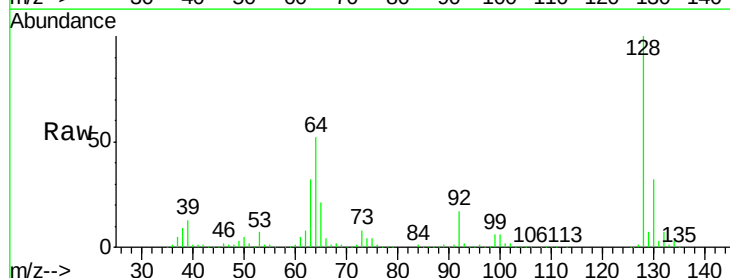
Tgt Ion: 128 Resp: 590789

Ion Ratio Lower Upper

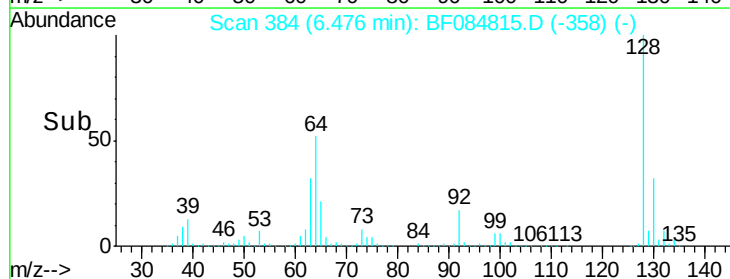
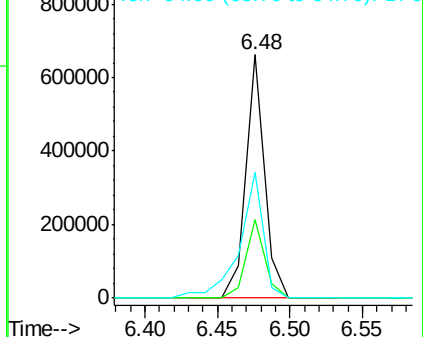
128 100

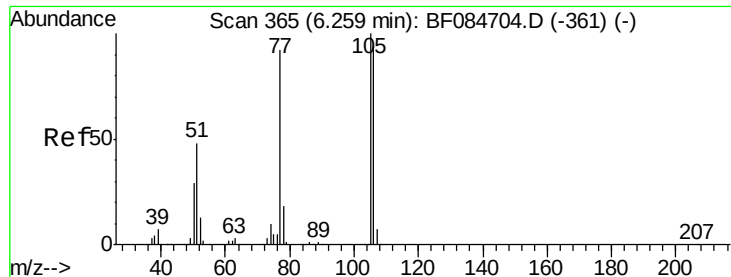
130 32.2 11.6 51.6

64 51.9 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: 26.95 ng

RT: 6.22 min Scan# 362

Delta R.T. -0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

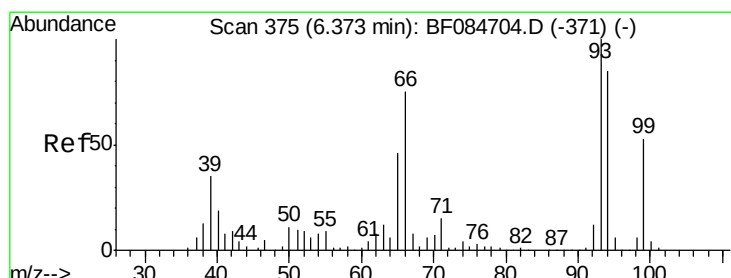
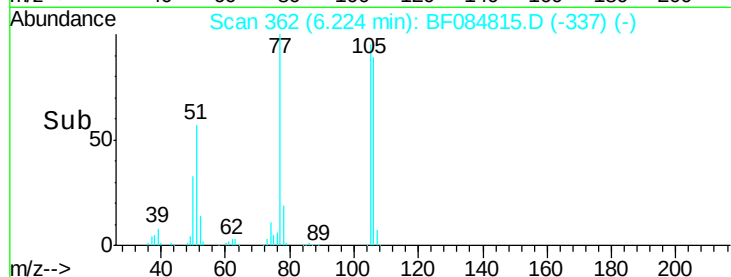
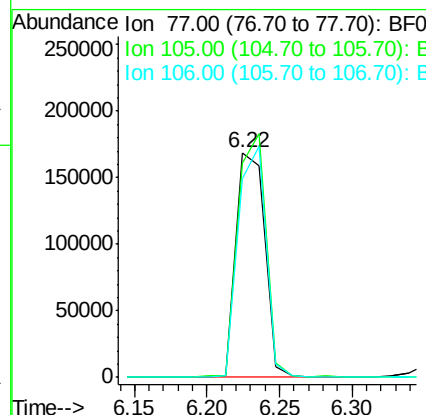
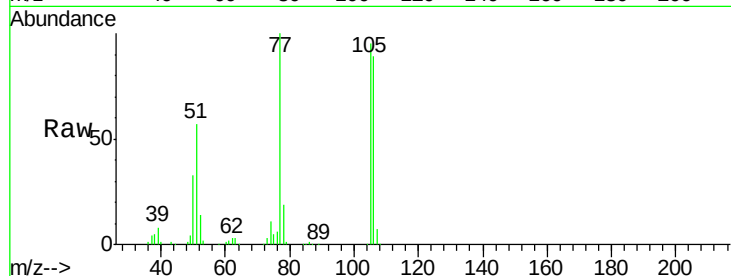
ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion:	77	Resp:	232490
Ion Ratio	Lower	Upper	
77	100		
105	95.4	83.0	123.0
106	88.8	74.6	114.6

Manual Integrations
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#10

Phenol

Concen: 52.14 ng

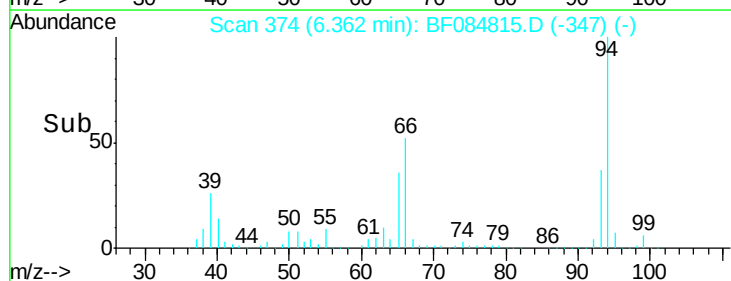
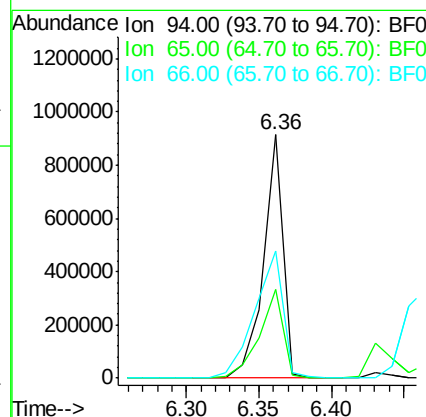
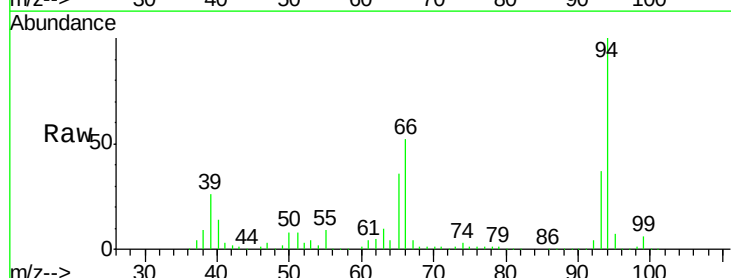
RT: 6.36 min Scan# 374

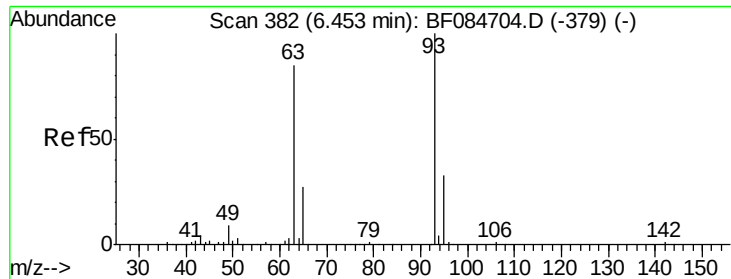
Delta R.T. 0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Tgt Ion:	94	Resp:	853350
Ion Ratio	Lower	Upper	
94	100		
65	36.5	12.9	52.9
66	52.1	32.7	72.7





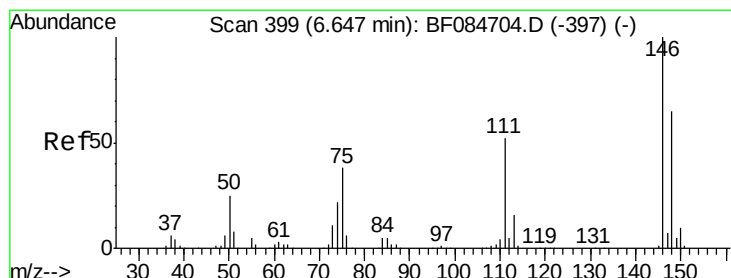
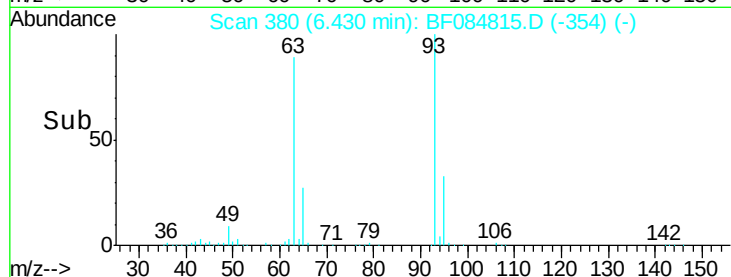
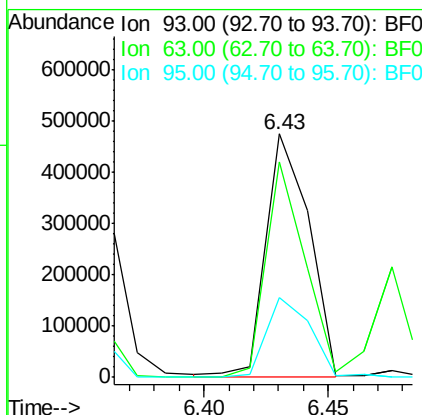
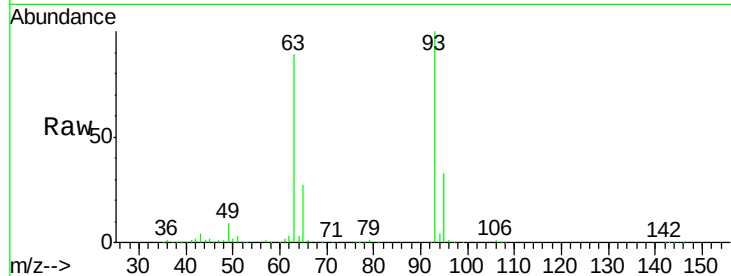
#11
bis(2-Chloroethyl)ether
Concen: 44.64 ng/ml
RT: 6.43 min Scan# 380
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	88.7	45.9	85.9#
95	32.5	12.3	52.3

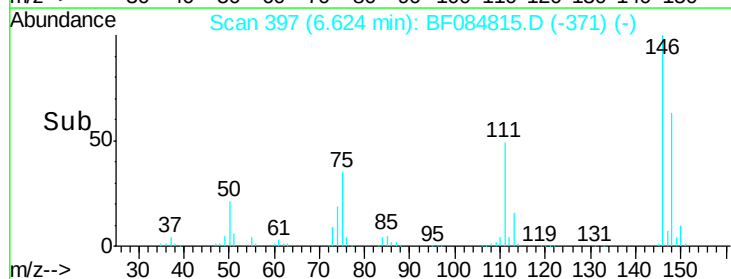
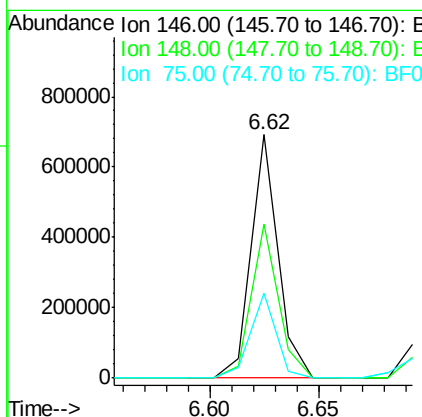
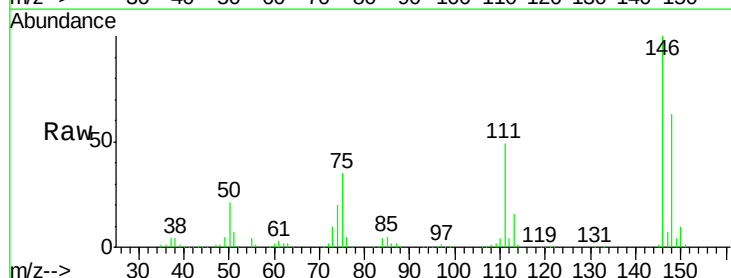
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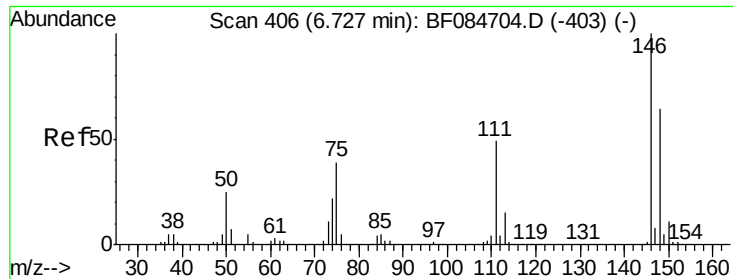
mohammad
2/4/2016 2:05:25 PM



#12
1,3-Dichlorobenzene
Concen: 42.24 ng/ml
RT: 6.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.9	77.9
75	34.7	20.5	30.7#





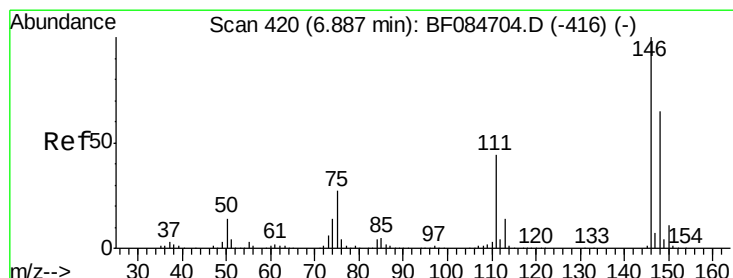
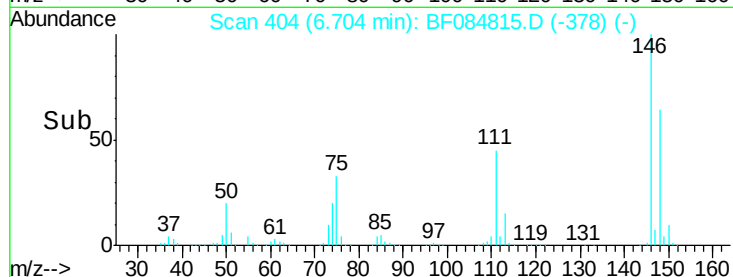
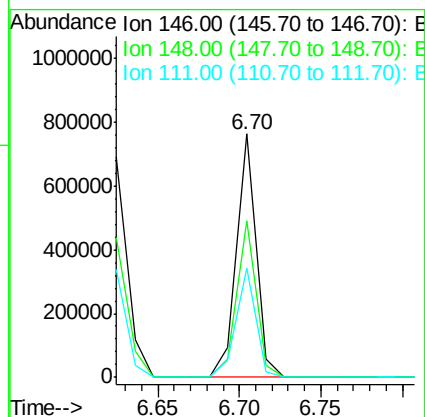
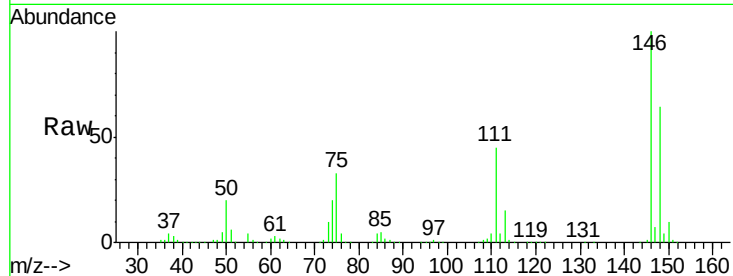
#13
 1,4-Dichlorobenzene
 Concen: 44.59 ng
 RT: 6.70 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.9	77.9
111	45.1	41.6	62.4

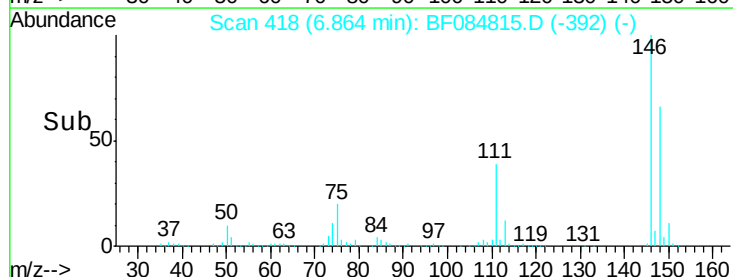
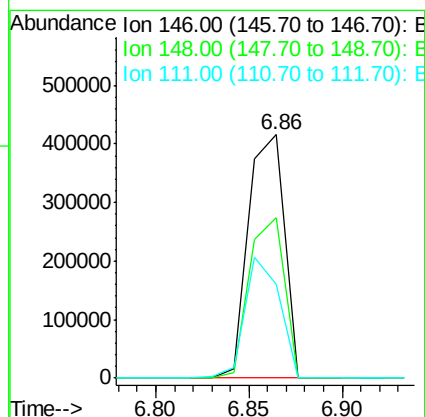
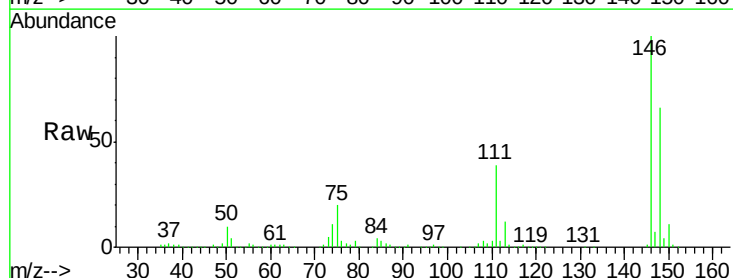
Manual Integrations
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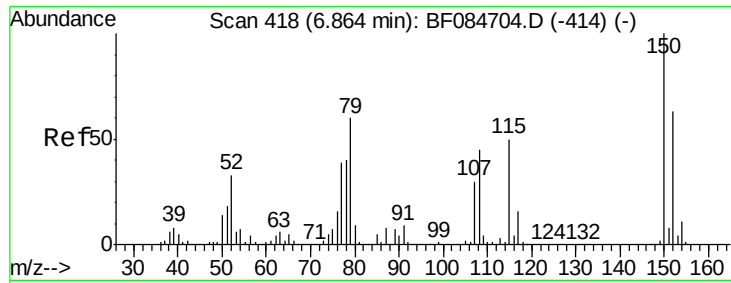
mohammad
 2/4/2016 2:05:25 PM



#14
 1,2-Dichlorobenzene
 Concen: 42.11 ng
 RT: 6.86 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.9	51.6	77.4
111	38.6	38.0	57.0





#15

Benzyl Alcohol

Concen: 48.36 ng

RT: 6.84 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion: 79 Resp: 487779
Ion Ratio Lower Upper

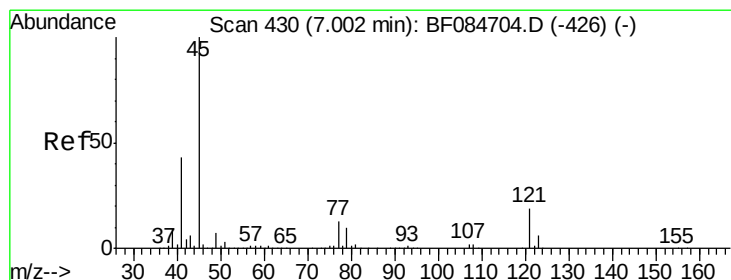
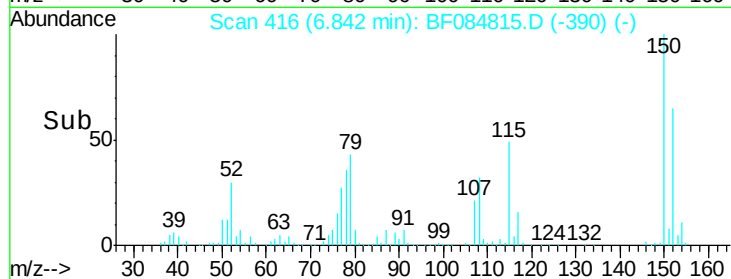
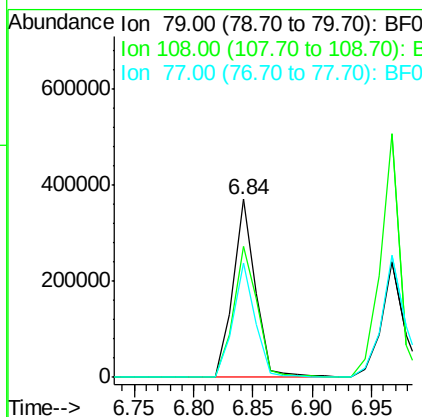
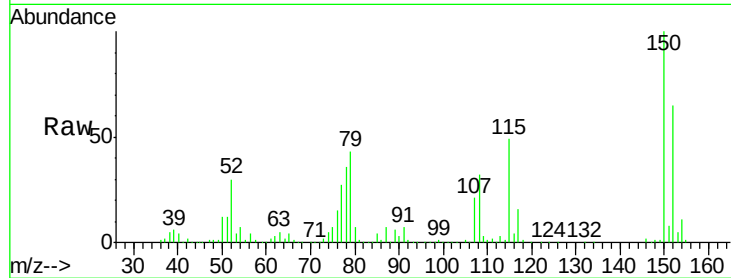
79 100

108 73.6 69.0 103.4

77 64.0 50.0 75.0

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.16 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF084815.D

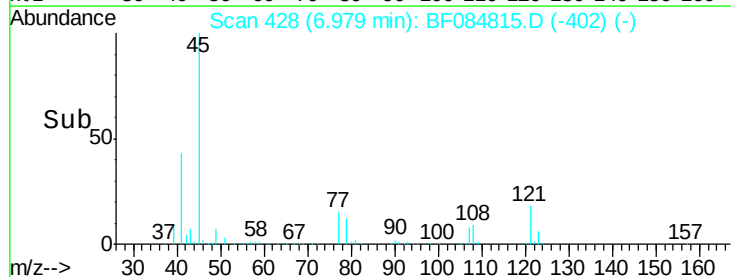
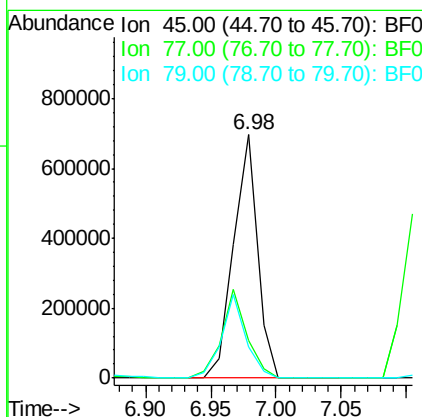
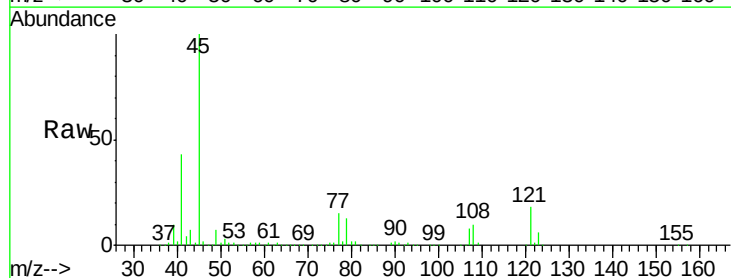
Acq: 4 Feb 2016 5:32

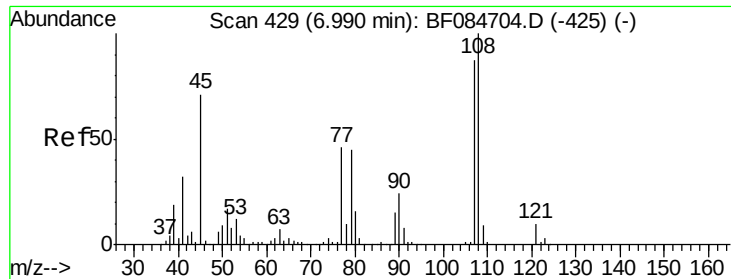
Tgt Ion: 45 Resp: 883659
Ion Ratio Lower Upper

45 100

77 15.5 0.0 39.6

79 12.7 0.0 35.0





#17

2-Methylphenol

Concen: 46.76 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

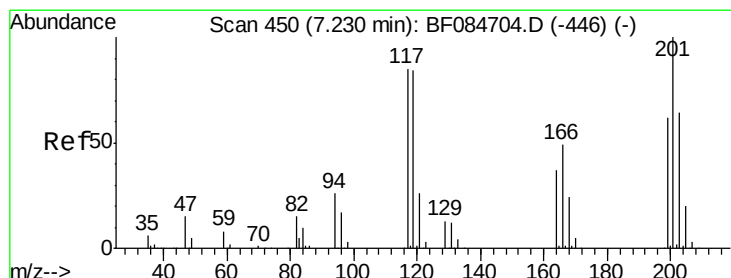
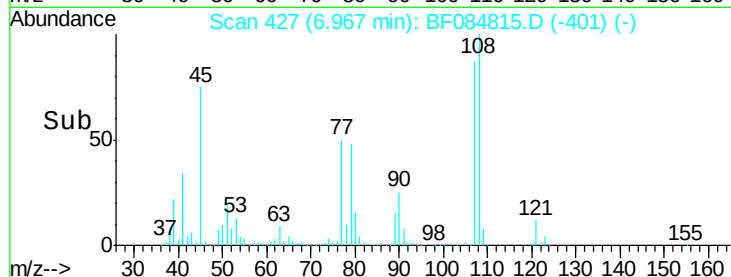
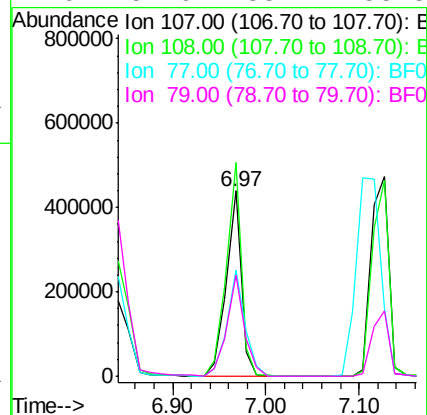
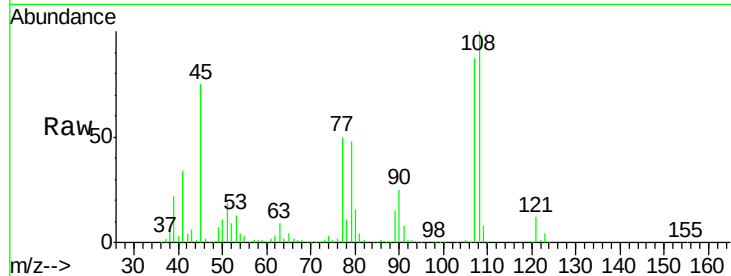
ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.3	89.8	134.6	
77	57.5	35.7	53.5#	
79	54.9	35.7	53.5#	

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#18

Hexachloroethane

Concen: 43.07 ng

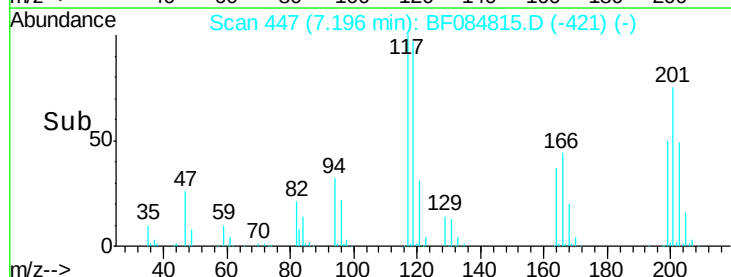
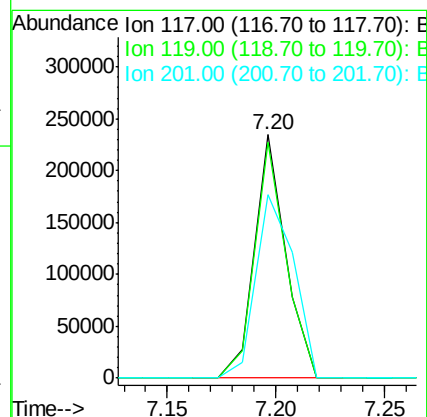
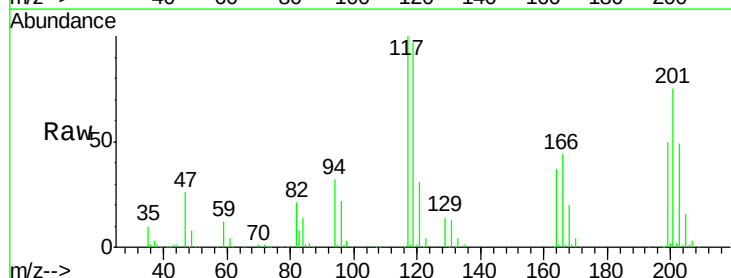
RT: 7.20 min Scan# 447

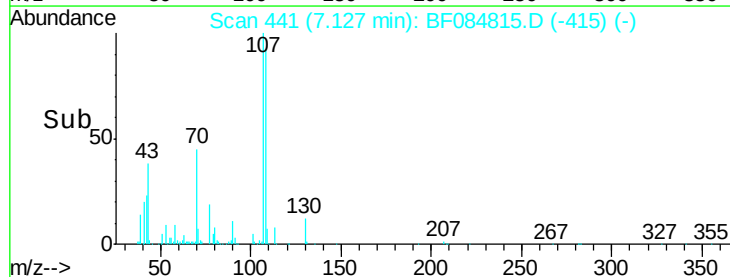
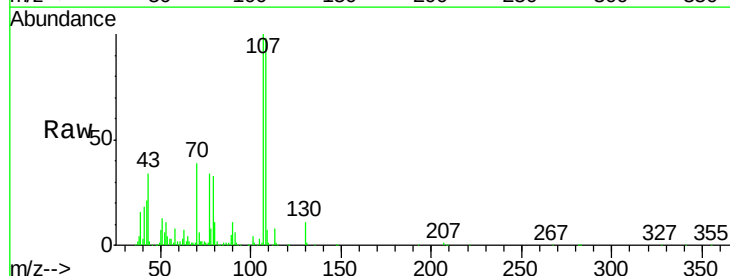
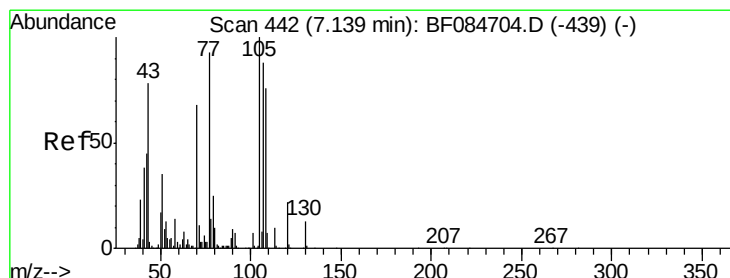
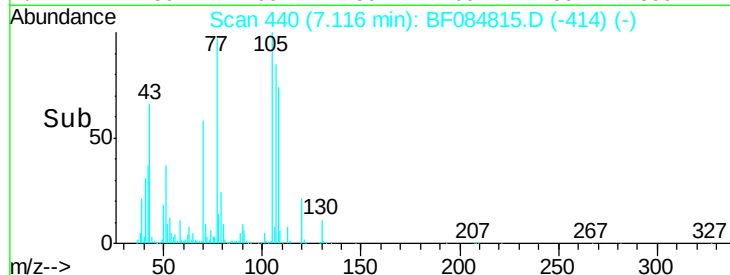
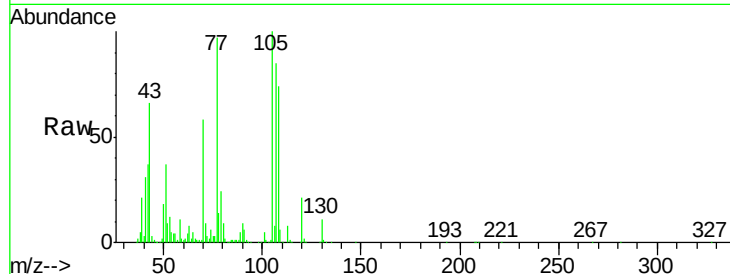
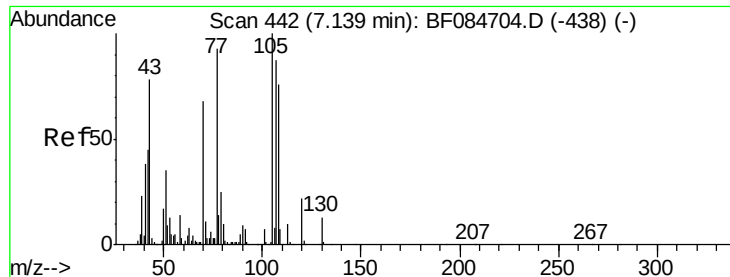
Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.1	77.4	116.0	
201	75.5	68.6	103.0	

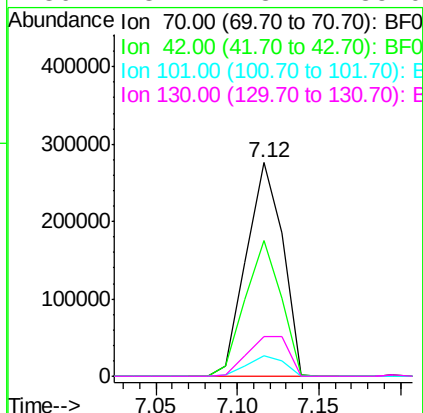




#19
n-Nitroso-di-n-propylamine
Concen: 46.77 ng
RT: 7.12 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	63.7	33.3	49.9#	
101	9.3	9.3	13.9	
130	18.4	23.4	35.0#	

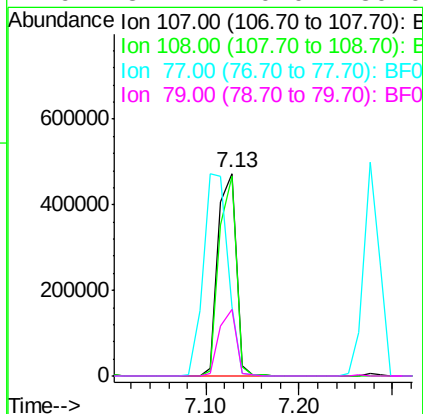


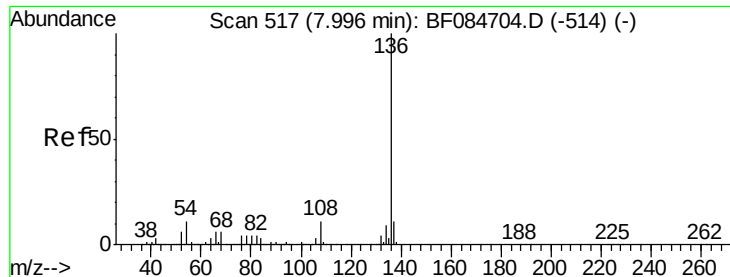
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#20
3+4-Methylphenols
Concen: 48.49 ng
RT: 7.13 min Scan# 441
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	98.5	74.6	114.6	
77	34.1	0.7	40.7	
79	32.7	0.0	39.0	





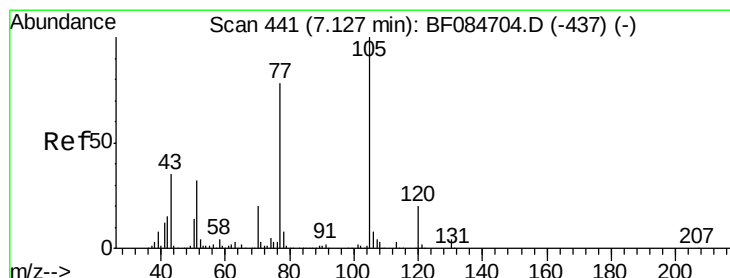
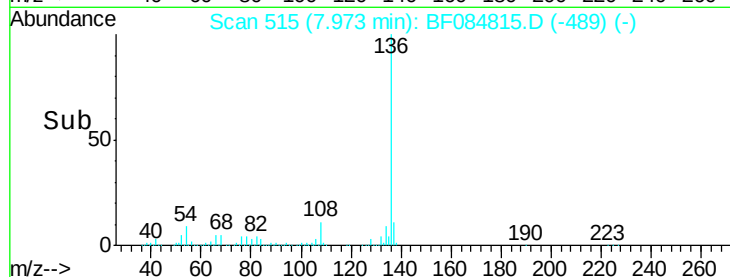
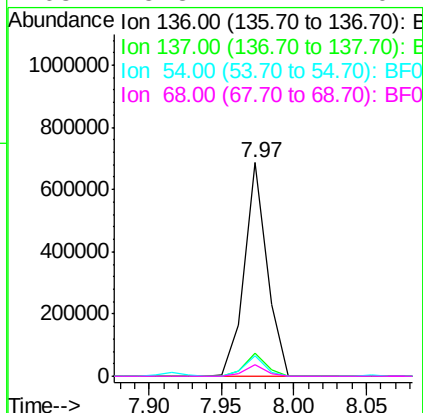
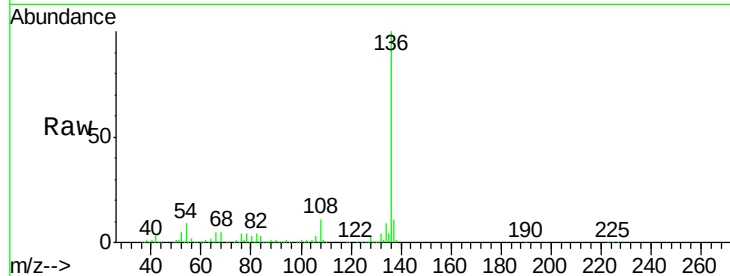
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.5	5.8	8.8
68	5.3	4.2	6.2

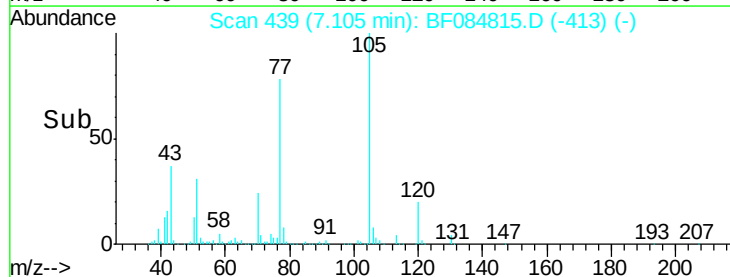
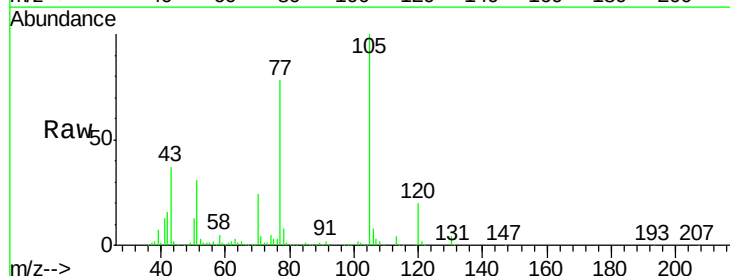
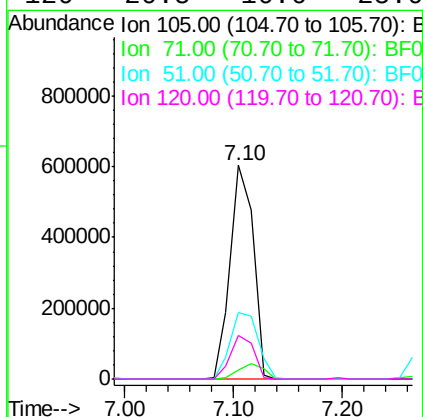
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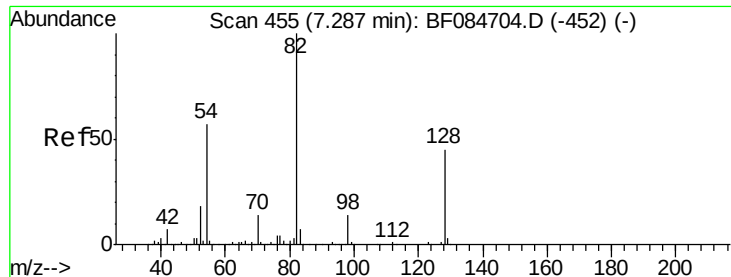
mohammad
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#22
Acetophenone
Concen: 44.79 ng
RT: 7.10 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	4.2	3.7	5.5
51	31.0	25.1	37.7
120	20.5	16.6	25.0





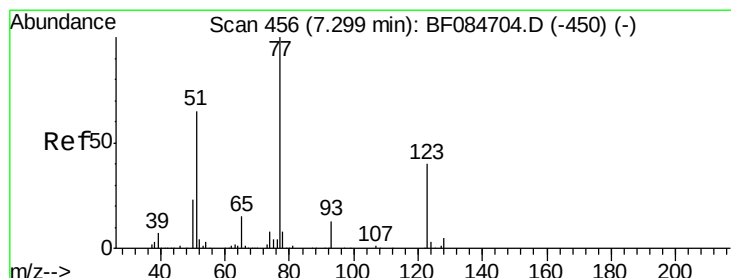
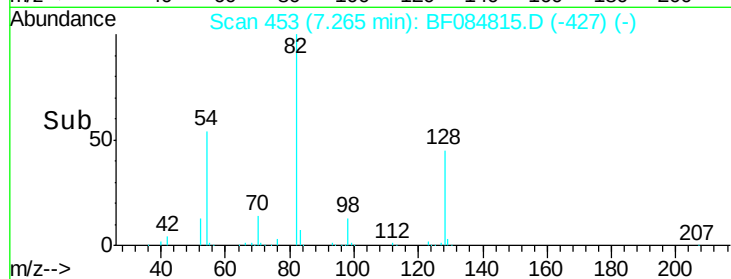
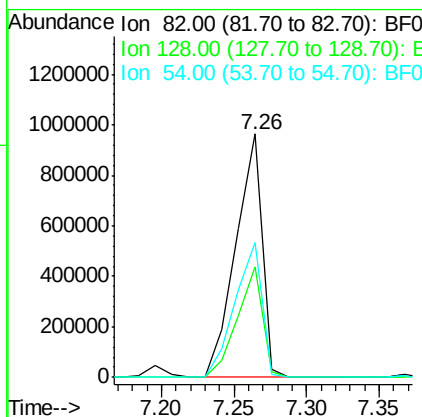
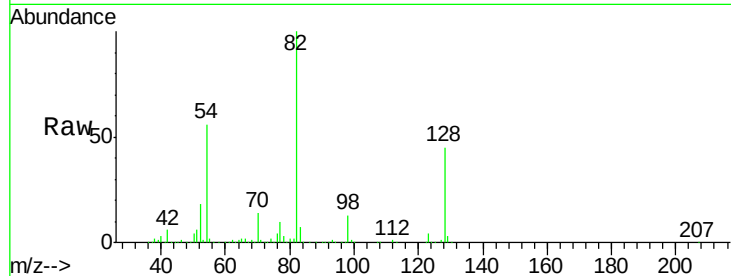
#23
 Nitrobenzene-d5
 Concen: 91.68 ng
 RT: 7.26 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Tot Ion	82	Resp	1216097
Ion Ratio	100	Lower	Upper
128	45.2	34.6	51.8
54	55.6	38.4	57.6

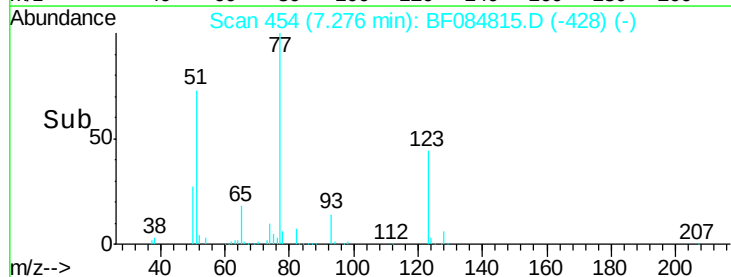
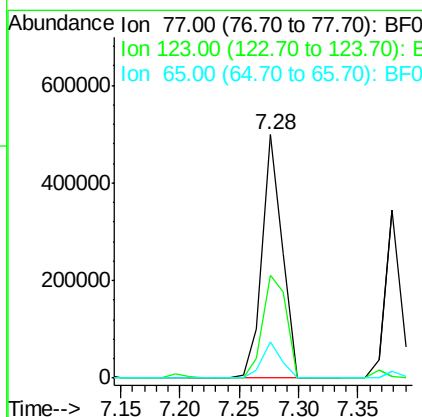
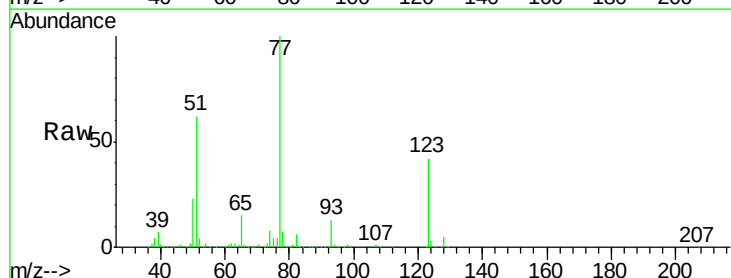
Manual Integrations
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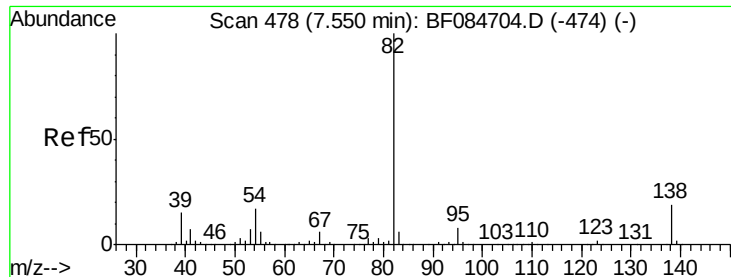
mohammad
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#24
 Nitrobenzene
 Concen: 41.63 ng
 RT: 7.28 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion	77	Resp	591356
Ion Ratio	100	Lower	Upper
123	42.3	37.4	56.2
65	14.7	10.9	16.3





#25

Isophorone

Concen: 46.27 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion: 82 Resp: 1193470

Ion Ratio Lower Upper

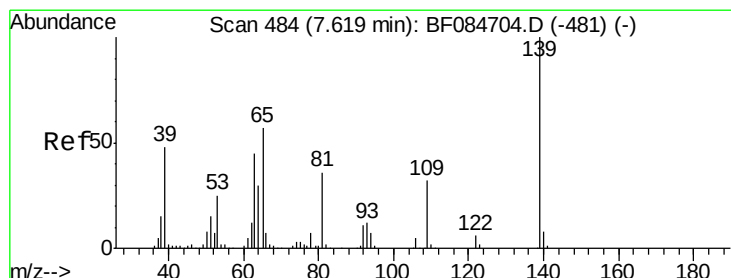
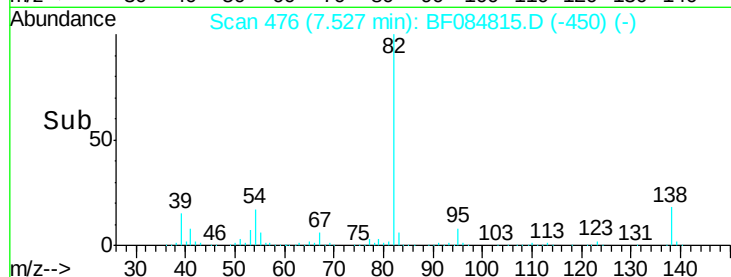
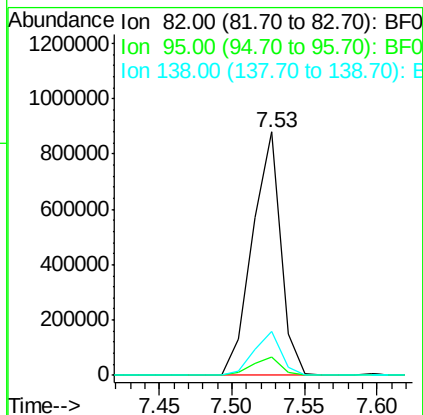
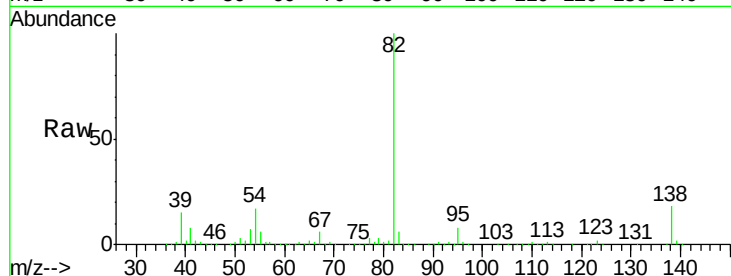
82 100

95 7.7 6.6 10.0

138 18.1 13.6 20.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 46.93 ng

RT: 7.60 min Scan# 482

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

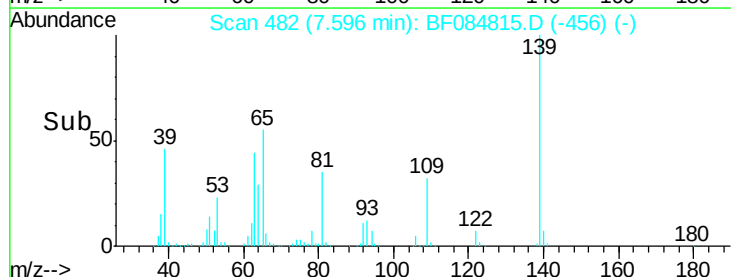
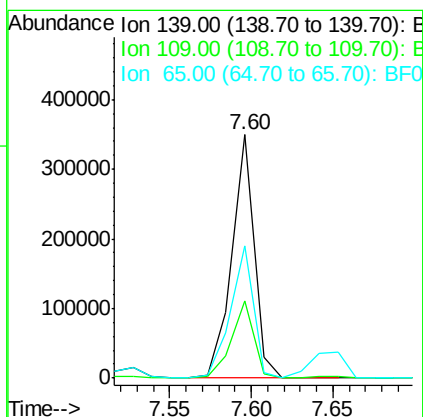
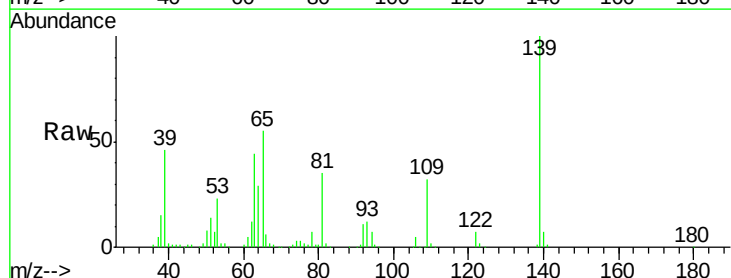
Tgt Ion: 139 Resp: 328803

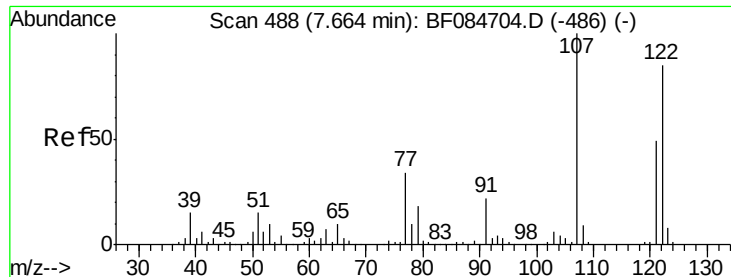
Ion Ratio Lower Upper

139 100

109 31.6 25.4 38.2

65 54.5 32.3 48.5#





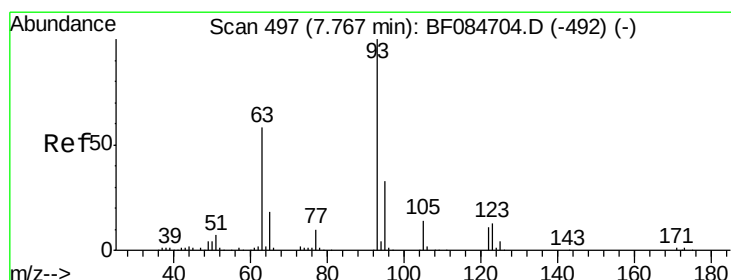
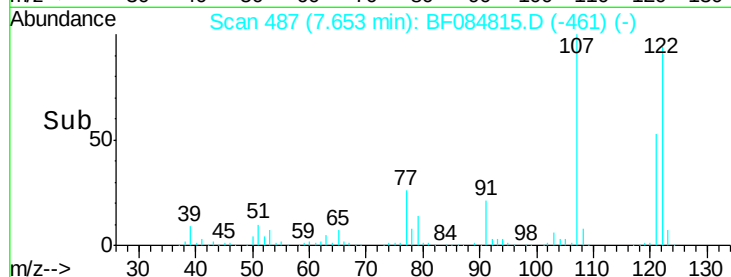
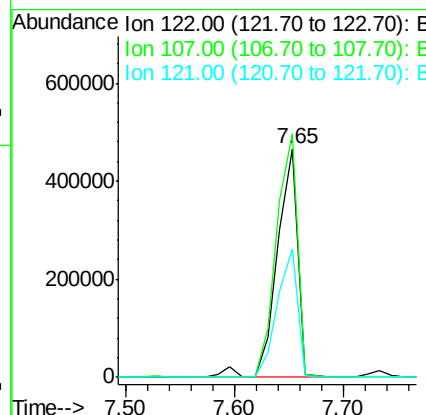
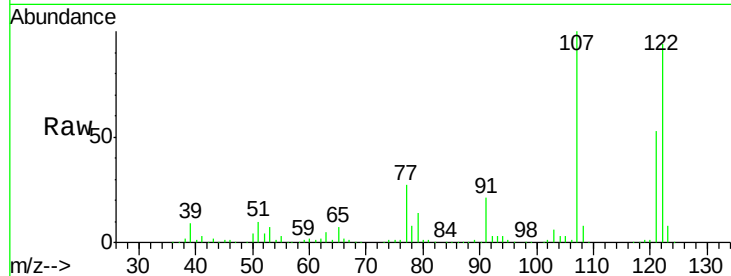
#27
2,4-Dimethylphenol
Concen: 50.27 ng
RT: 7.65 min Scan# 487
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	612638		
107	106.7	99.1	148.7	
121	56.3	47.9	71.9	

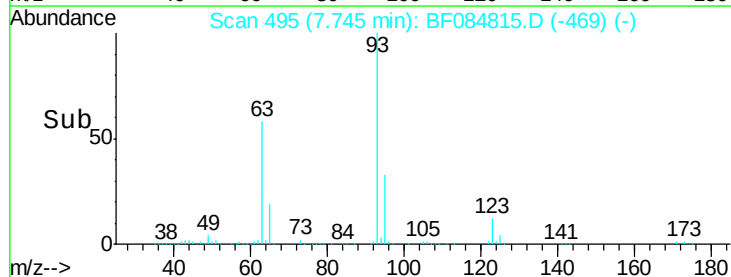
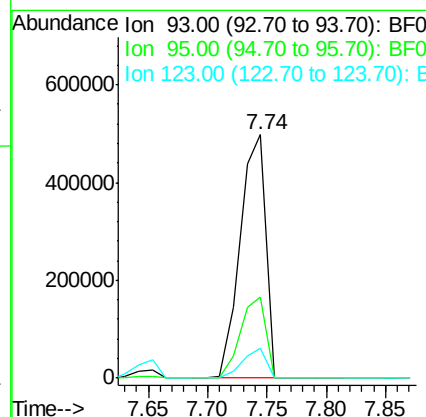
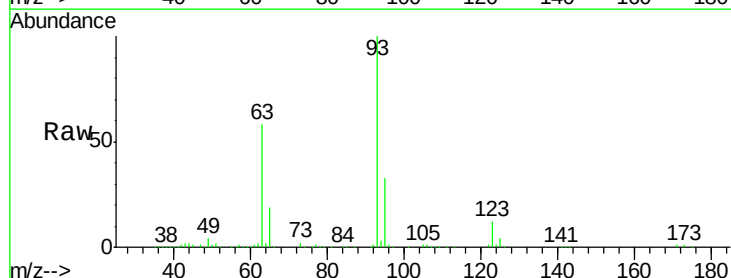
Manual Integrations
APPROVED

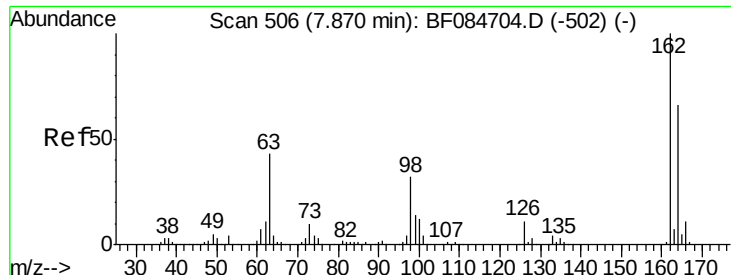
mohammad
2/4/2016 2:05:25 PM



#28
bis(2-Chloroethoxy)methane
Concen: 48.75 ng
RT: 7.74 min Scan# 495
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	745927		
95	33.2	25.8	38.6	
123	12.3	8.6	12.8	





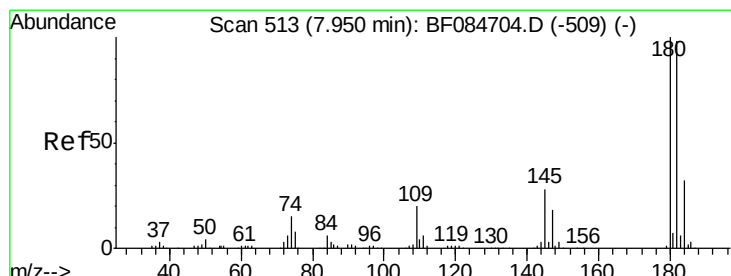
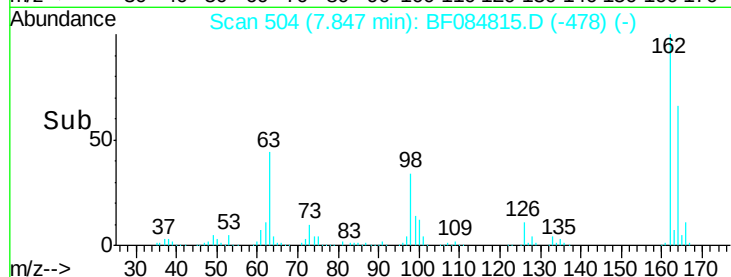
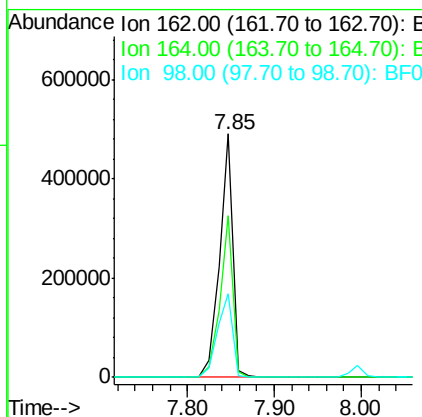
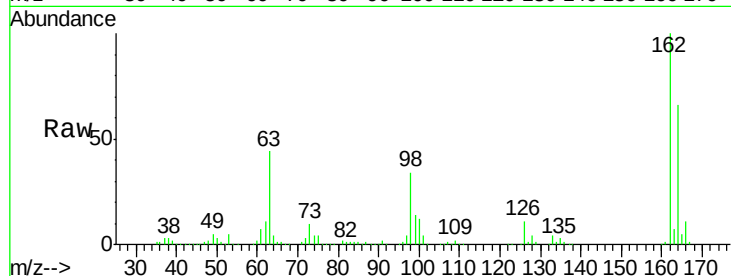
#29
 2,4-Dichlorophenol
 Concen: 50.65 ng
 RT: 7.85 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Tot Ion:	162	Resp:	528134
Ion Ratio	Lower	Upper	
162	100		
164	66.3	44.1	84.1
98	34.1	20.2	60.2

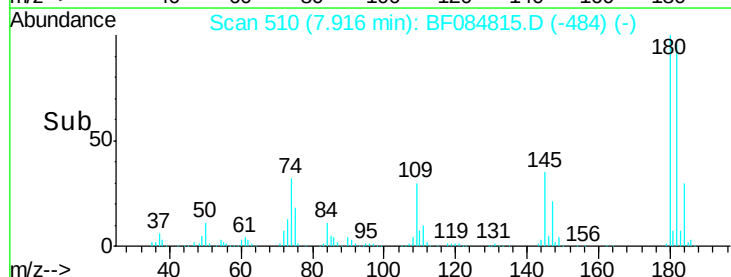
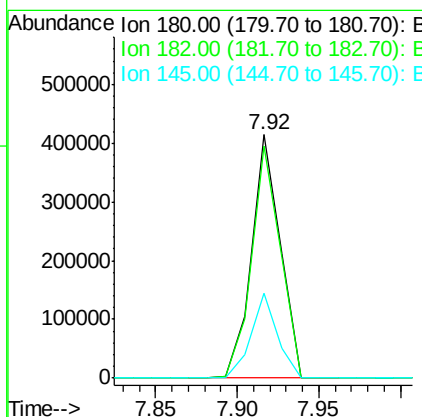
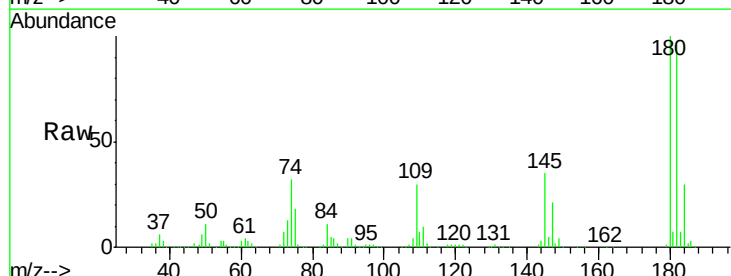
Manual Integrations
 APPROVED

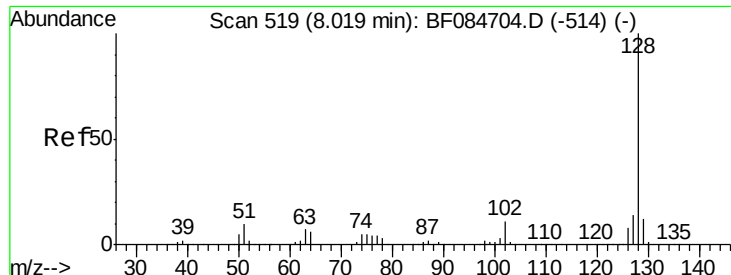
mohammad
 2/4/2016 2:05:25 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 42.79 ng
 RT: 7.92 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion:	180	Resp:	503933
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.4	114.6
145	34.8	31.6	47.4





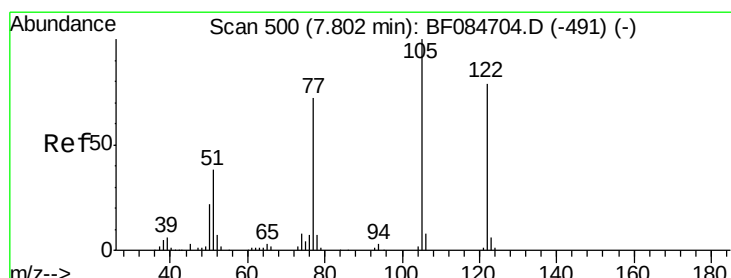
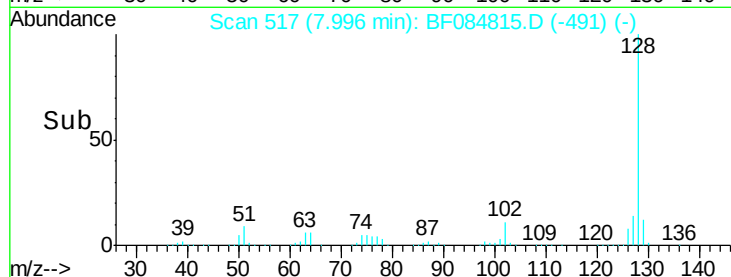
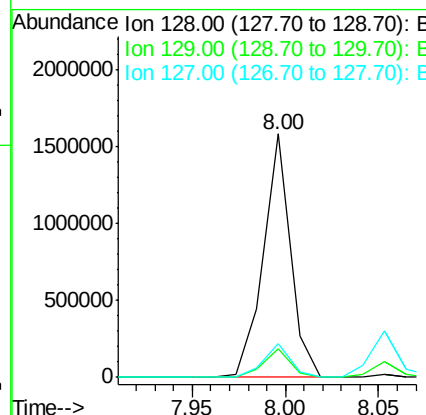
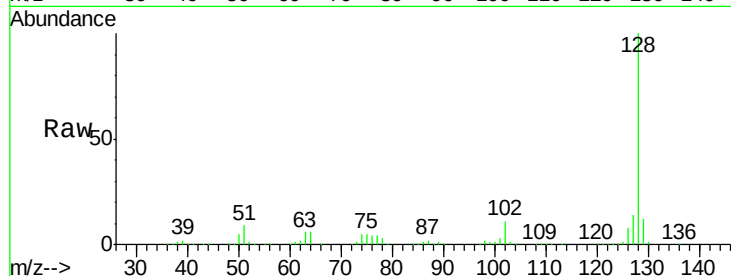
#31
Naphthalene
Concen: 42.56 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

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

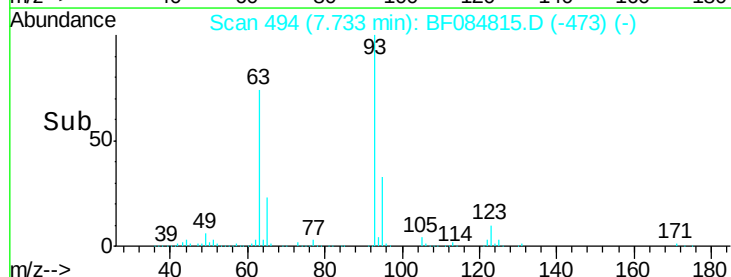
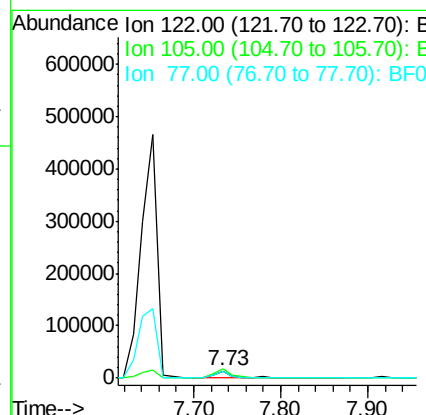
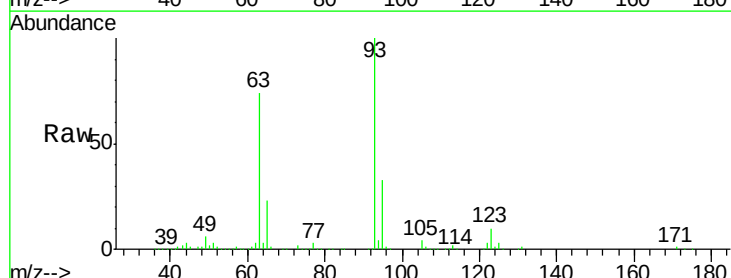
Manual Integrations
APPROVED

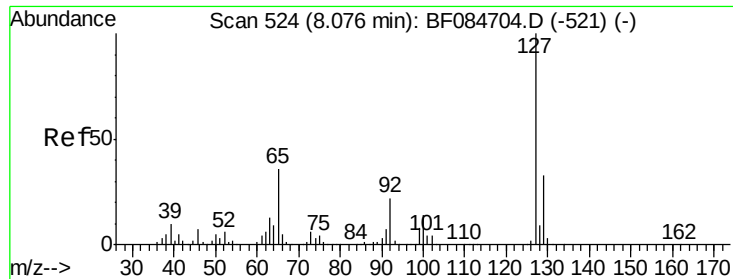
mohammad
2/4/2016 2:05:25 PM



#32
Benzoic acid
Concen: 3.05 ng
RT: 7.73 min Scan# 494
Delta R.T. -0.06 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.6	100.3	140.3
77	90.8	63.5	103.5





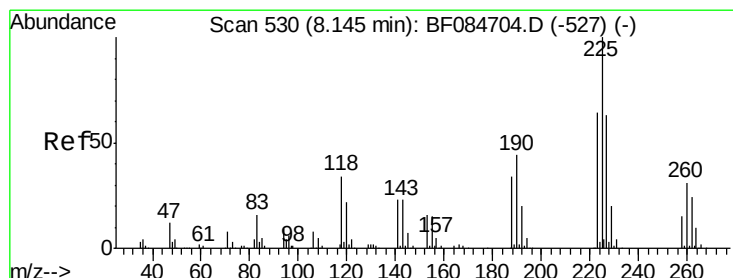
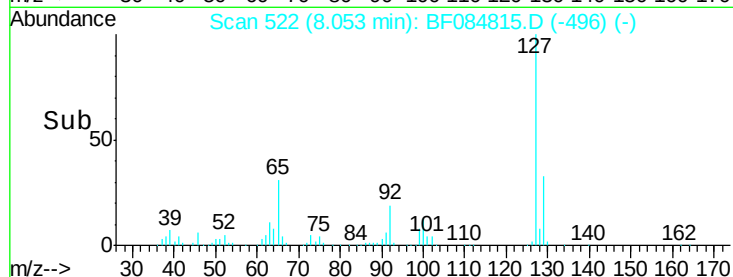
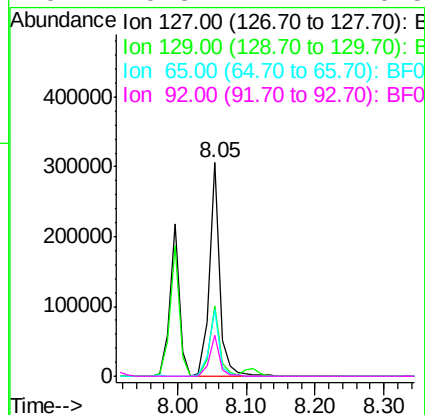
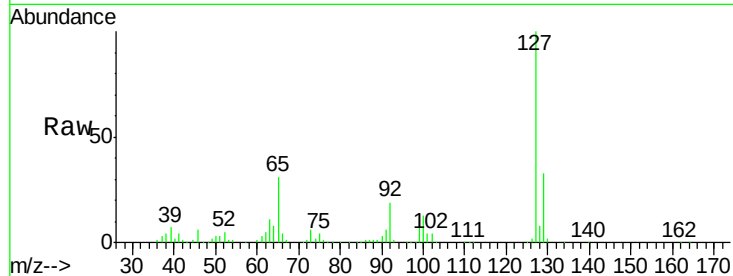
#33
4-Chloroaniline
Concen: 20.69 ng
RT: 8.05 min Scan# 522
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.0	26.5	39.7		
65	31.1	27.2	40.8		
92	19.3	17.7	26.5		

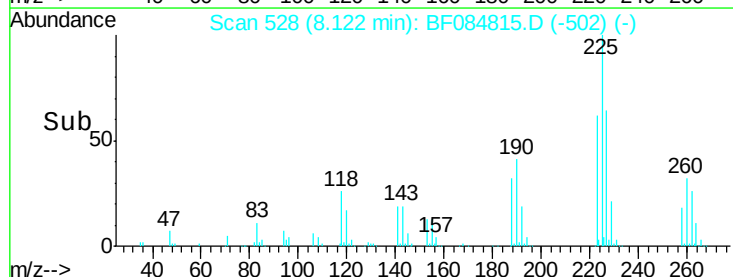
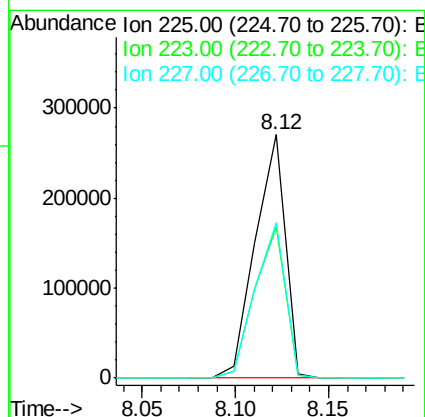
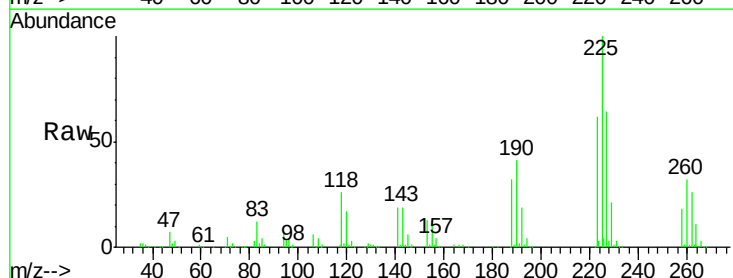
Manual Integrations
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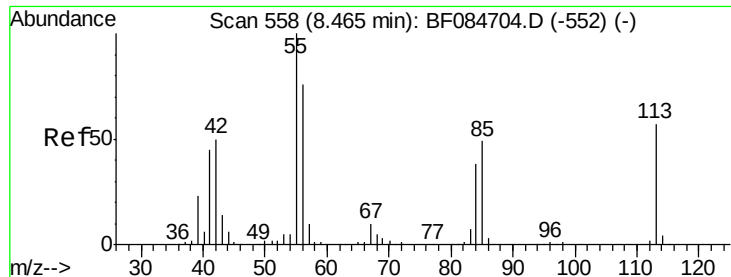
mohammad
2/4/2016 2:05:25 PM



#34
Hexachlorobutadiene
Concen: 44.27 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.0	49.4	74.0		
227	64.0	50.8	76.2		





#35

Caprolactam

Concen: 49.05 ng/ml

RT: 8.44 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion:113 Resp: 157629

Ion Ratio Lower Upper

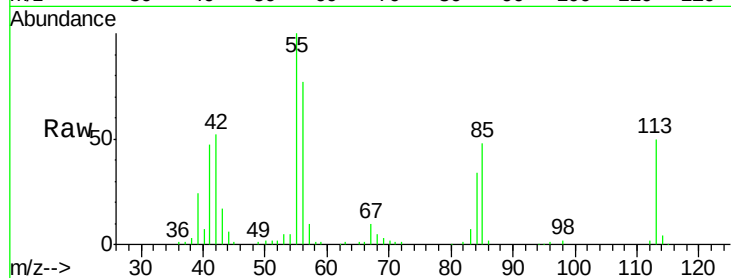
113 100

55 199.0 116.9 156.9#

56 152.7 93.8 133.8#

Manual Integrations
APPROVED

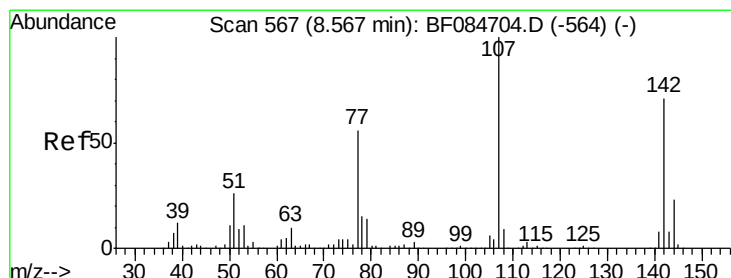
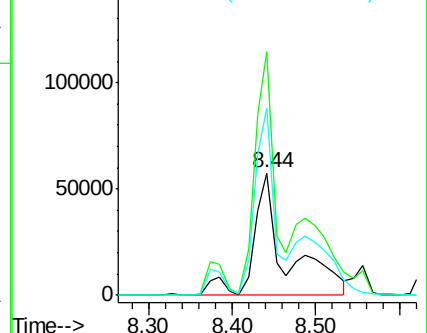
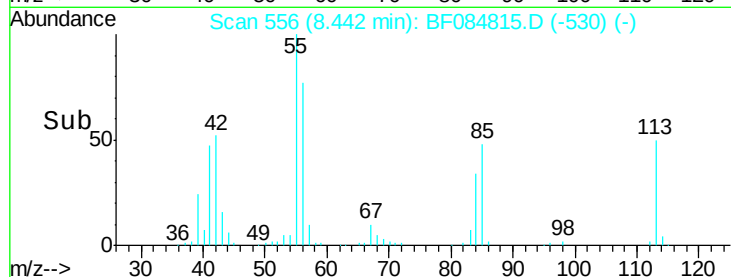
mohammad
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 46.63 ng/ml

RT: 8.56 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

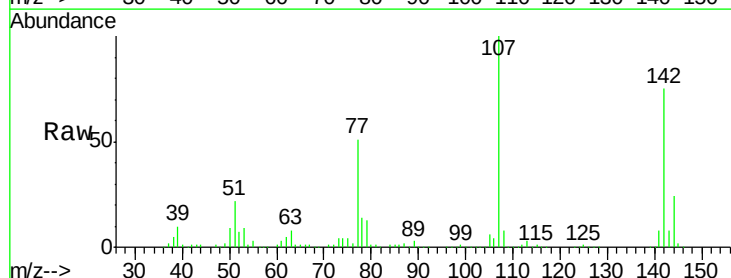
Tgt Ion:107 Resp: 554671

Ion Ratio Lower Upper

107 100

144 24.4 19.7 29.5

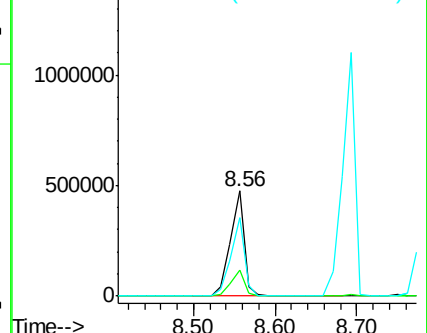
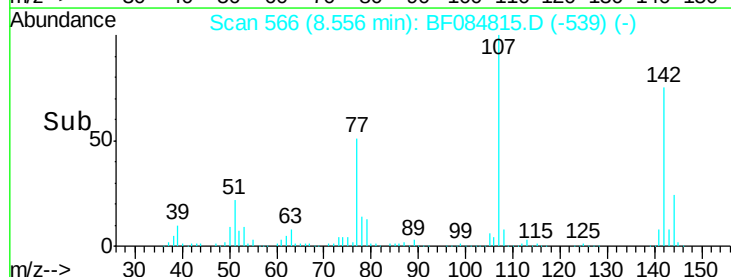
142 75.3 61.8 92.6

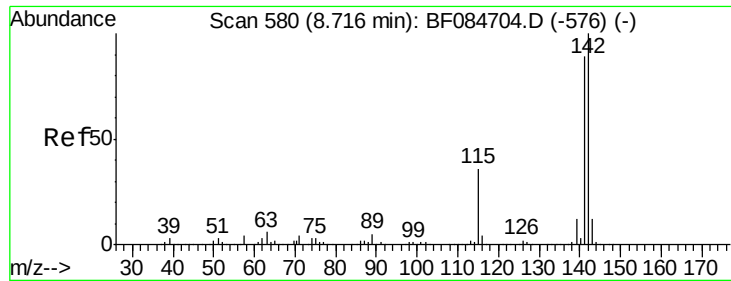


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





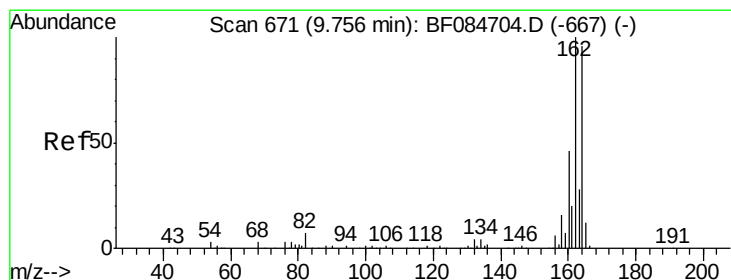
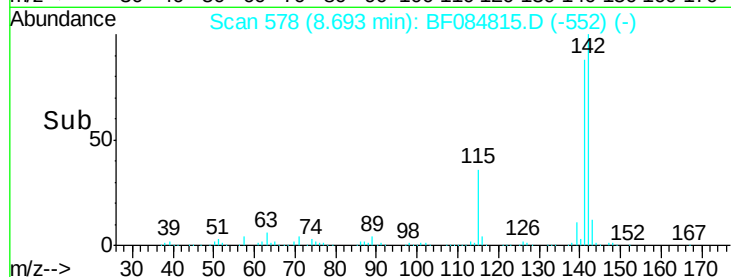
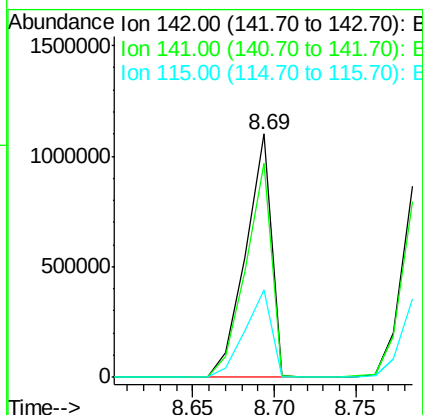
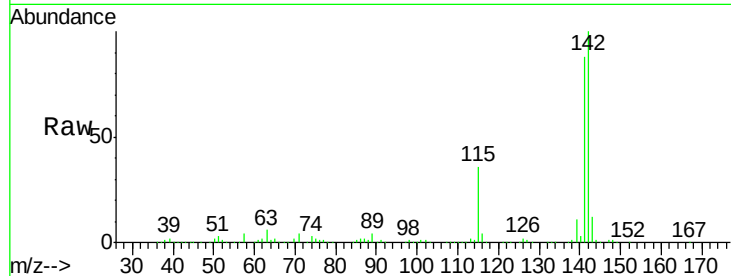
#37
2-Methylnaphthalene
Concen: 51.56 ng
RT: 8.69 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	72.4	108.6
115	35.7	27.9	41.9

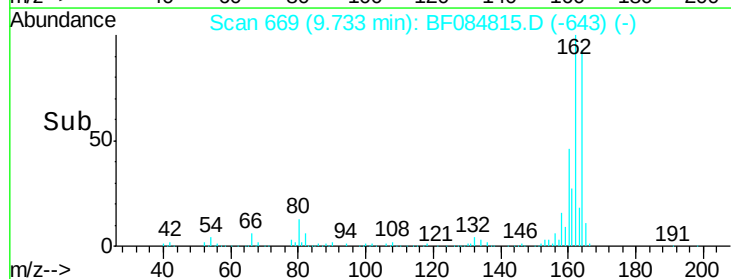
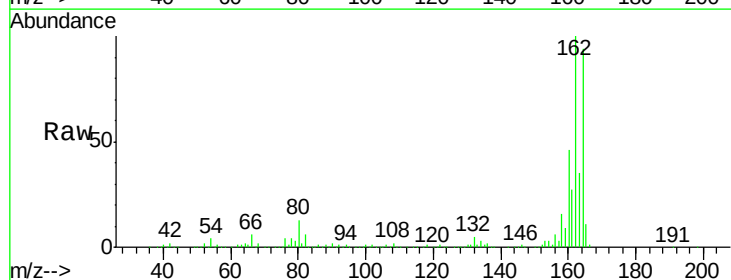
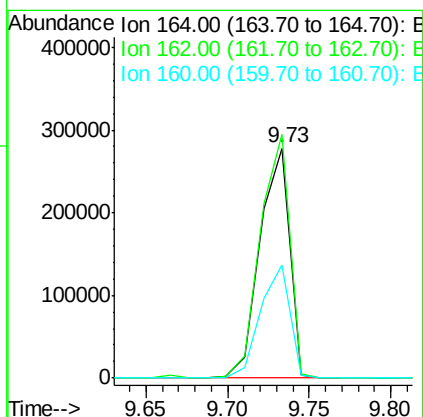
Manual Integrations
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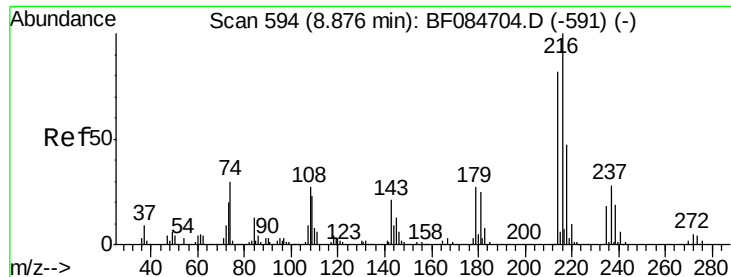
mohammad
2/4/2016 2:05:25 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 669
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	85.1	127.7
160	49.1	37.5	56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.57 ng

RT: 8.85 min Scan# 592

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

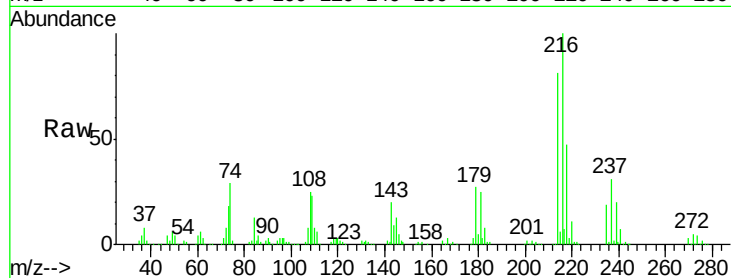
ClientSampleId :

SUP-B005(34-36)MSD

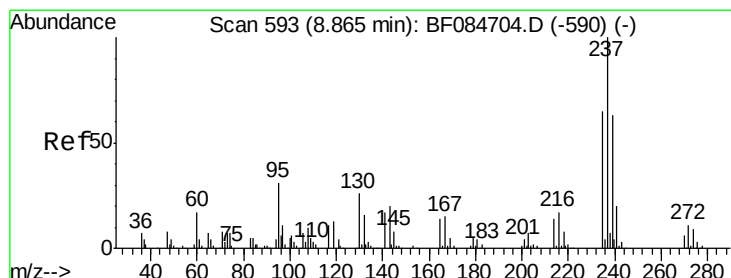
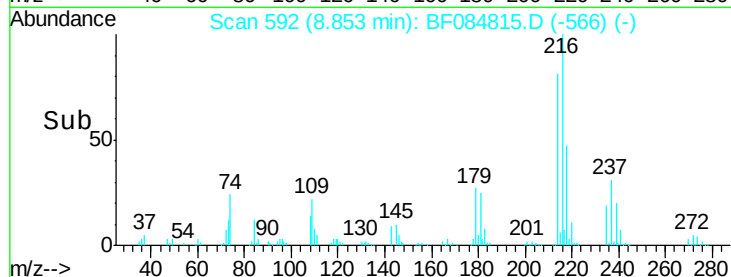
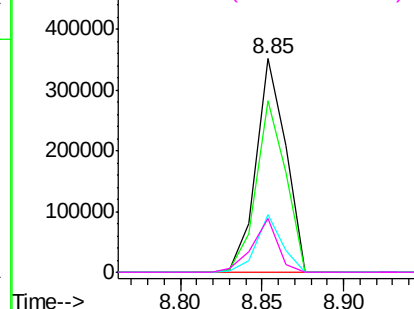
Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		442359		
214	80.0		64.2	96.2	
179	23.3		18.7	28.1	
108	22.2		16.8	25.2	

Manual Integrations
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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: 77.17 ng

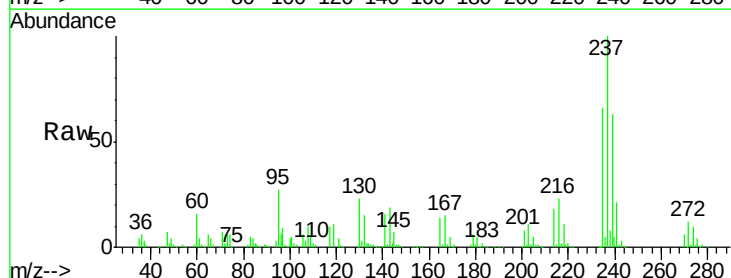
RT: 8.84 min Scan# 591

Delta R.T. 0.00 min

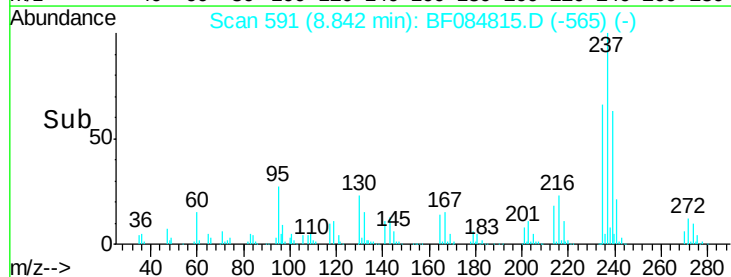
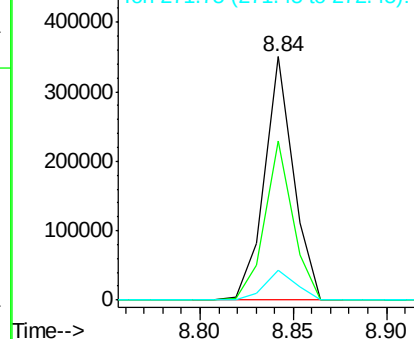
Lab File: BF084815.D

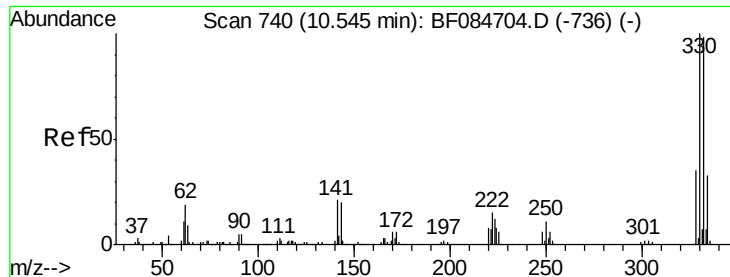
Acq: 4 Feb 2016 5:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		375346		
235	65.5		43.1	83.1	
272	12.0		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





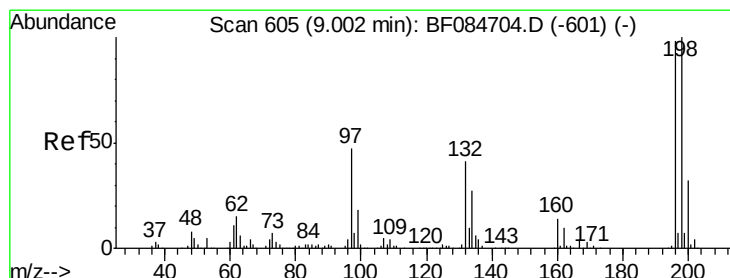
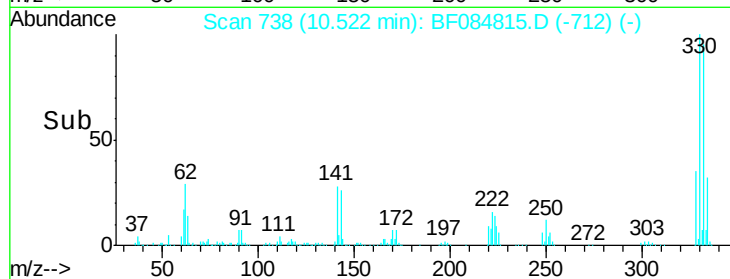
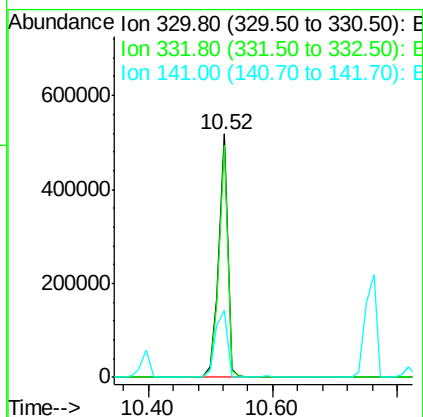
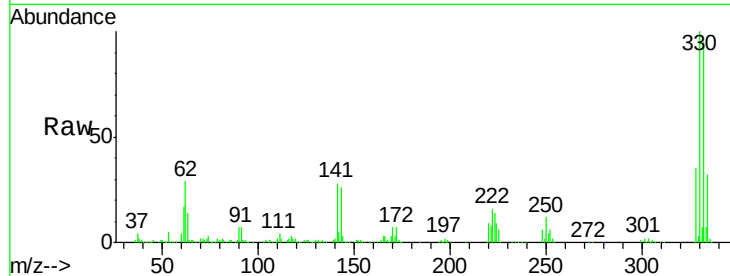
#41
 2,4,6-Tribromophenol
 Concen: 137.92 ng
 RT: 10.52 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	506388		
332	94.2	76.6	114.8	
141	36.8	27.8	41.6	

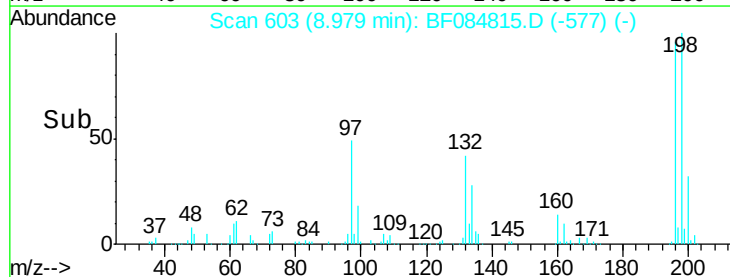
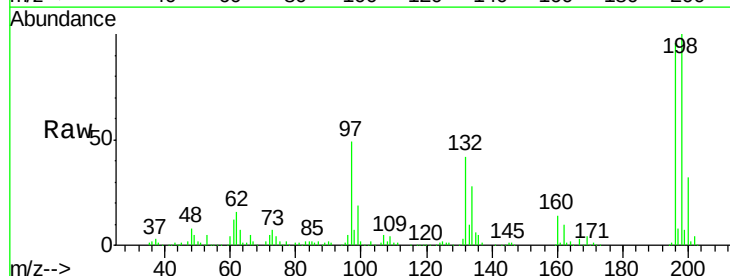
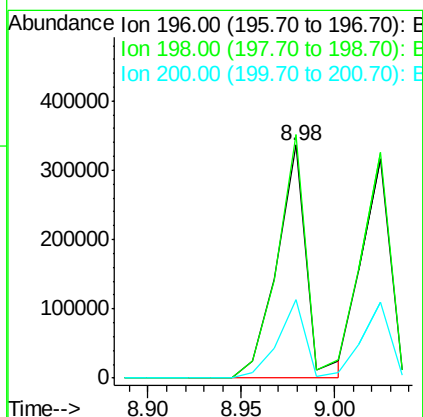
Manual Integrations
 APPROVED

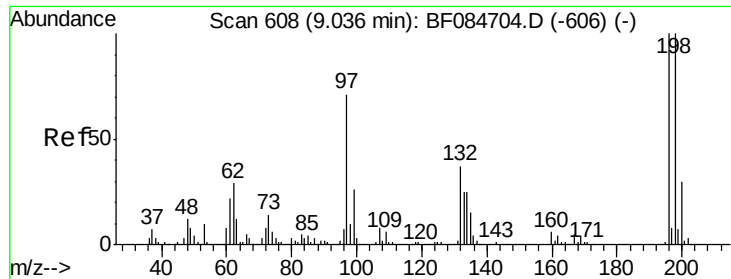
mohammad
 2/4/2016 2:05:25 PM



#42
 2,4,6-Trichlorophenol
 Concen: 51.32 ng
 RT: 8.98 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	369629		
198	104.4	77.7	116.5	
200	33.5	24.6	37.0	





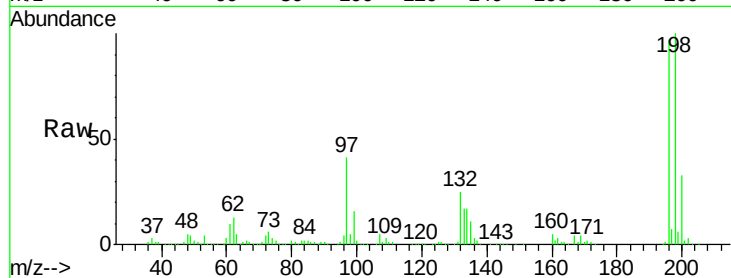
#43
 2,4,5-Trichlorophenol
 Concen: 46.05 ng
 RT: 9.02 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

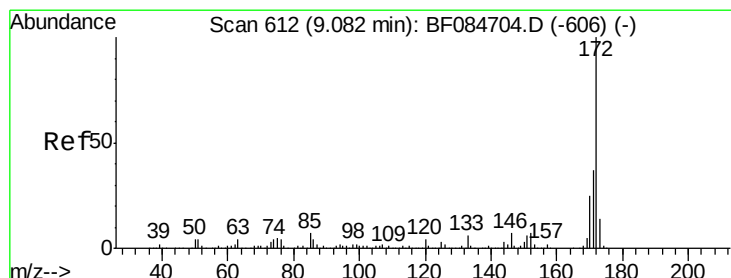
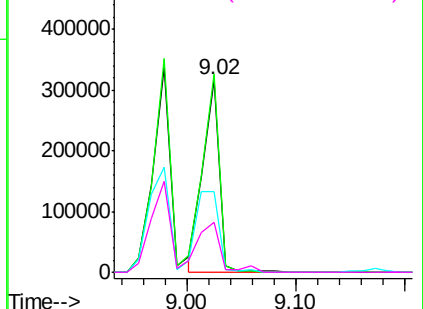
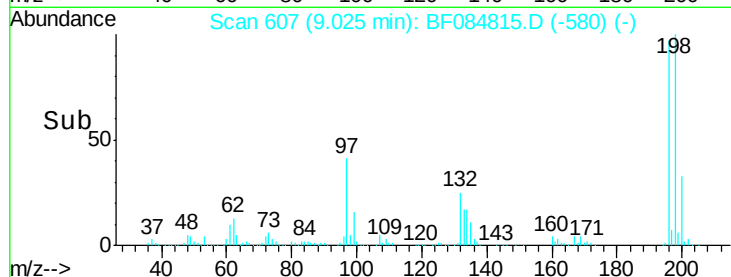
Tot Ion	196	Resp	336950
Ion Ratio	Lower	Upper	
196	100		
198	102.8	79.0	118.6
97	41.7	33.0	49.6
132	26.1	21.1	31.7

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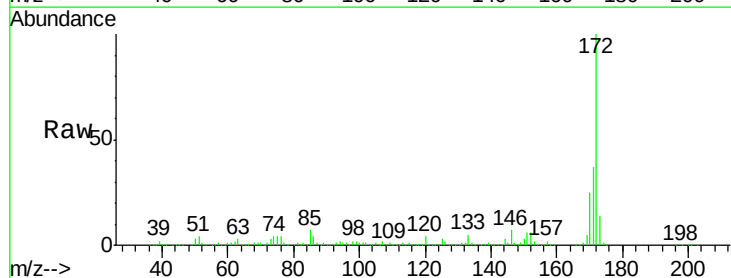


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

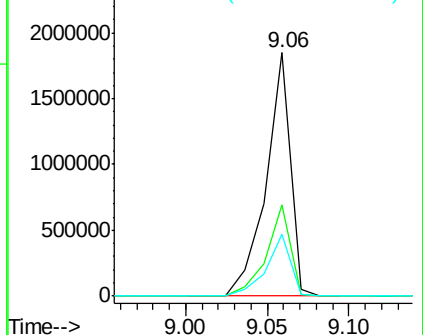
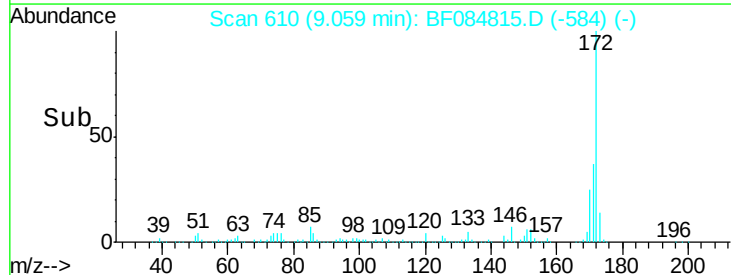


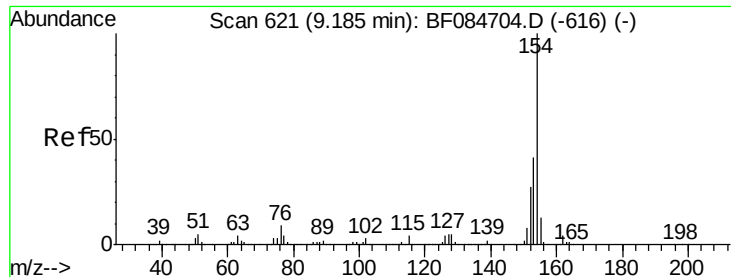
#44
 2-Fluorobiphenyl
 Concen: 96.09 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion	172	Resp	1920569
Ion Ratio	Lower	Upper	
172	100		
171	37.3	28.9	43.3
170	25.5	18.6	27.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 43.42 ng

RT: 9.16 min Scan# 619

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

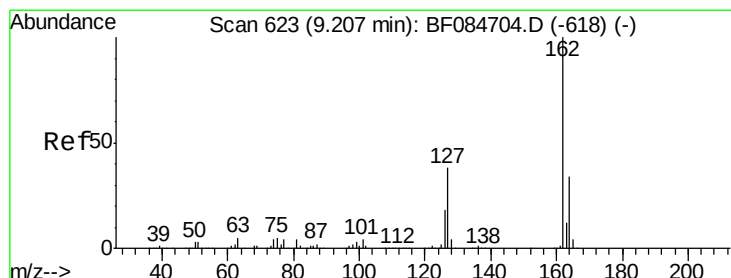
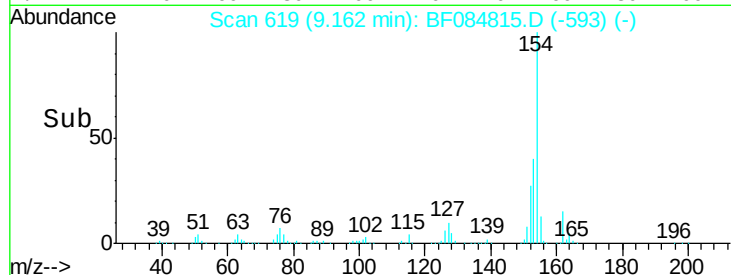
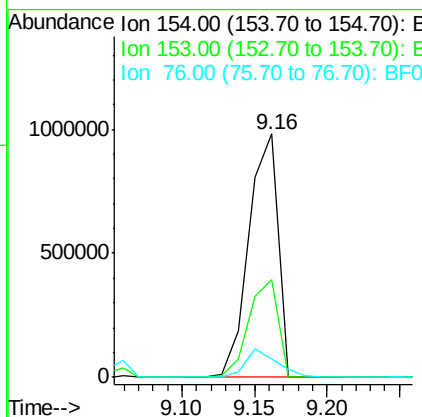
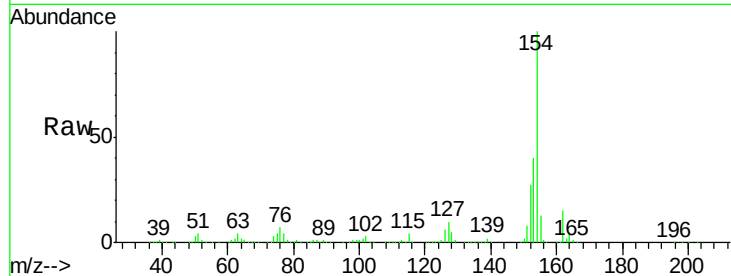
ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion:	154	Resp:	1365227
Ion Ratio	Lower	Upper	
154	100		
153	40.2	21.6	61.6
76	7.4	0.0	32.7

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#46

2-Chloronaphthalene

Concen: 42.30 ng

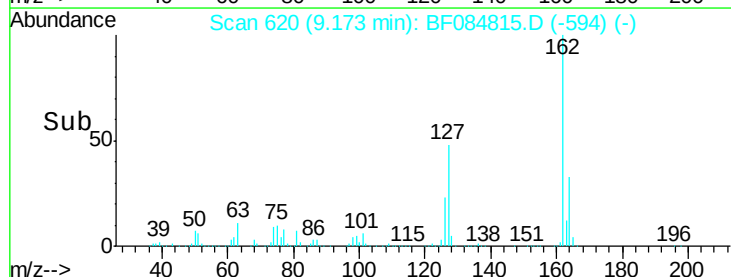
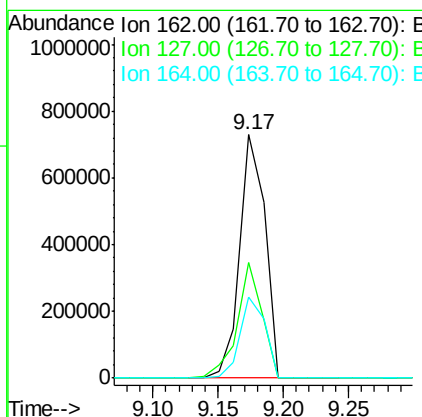
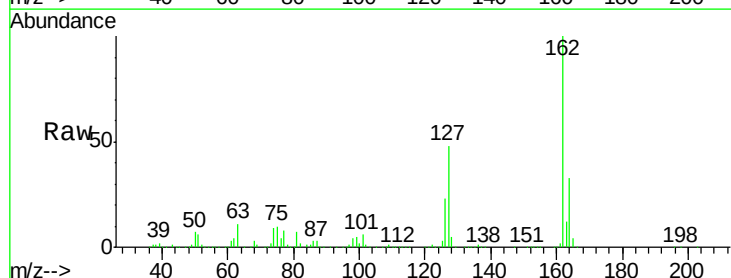
RT: 9.17 min Scan# 620

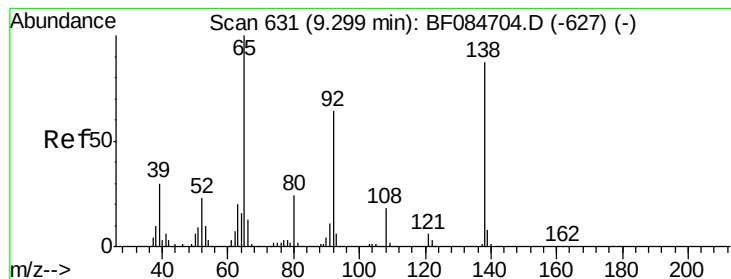
Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Tgt Ion:	162	Resp:	979439
Ion Ratio	Lower	Upper	
162	100		
127	47.6	40.2	60.4
164	33.4	25.7	38.5





#47

2-Nitroaniline

Concen: 44.65 ng

RT: 9.28 min Scan# 629

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

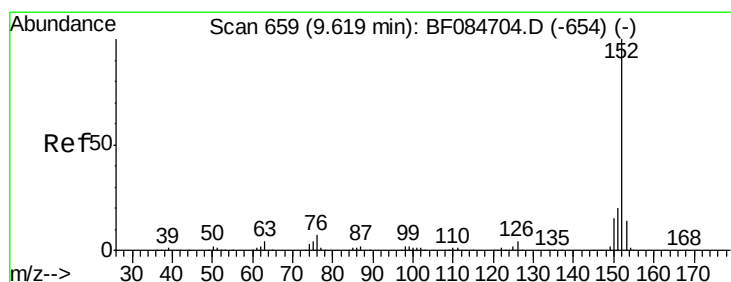
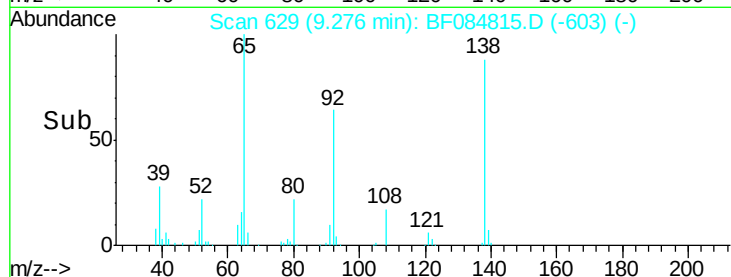
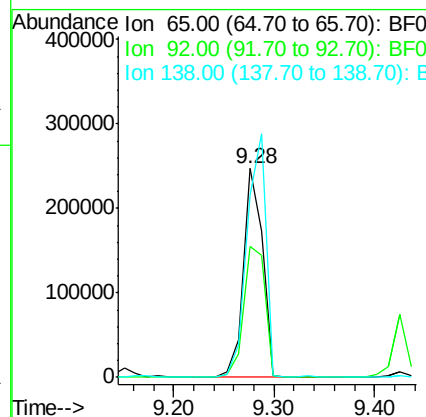
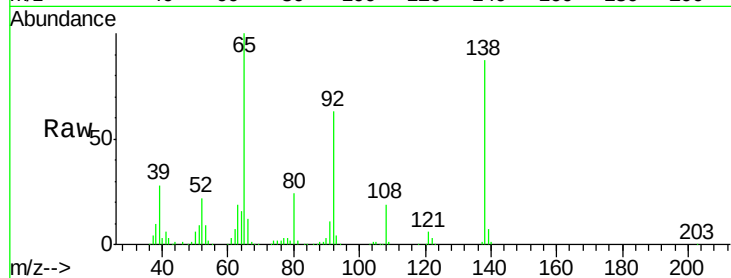
ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion	65	Resp	327343
Ion Ratio	Lower	Upper	
65	100		
92	63.1	53.4	80.2
138	87.2	71.1	106.7

Manual Integrations
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#48

Acenaphthylene

Concen: 45.44 ng

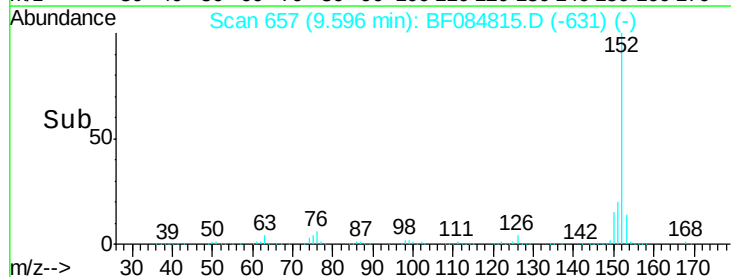
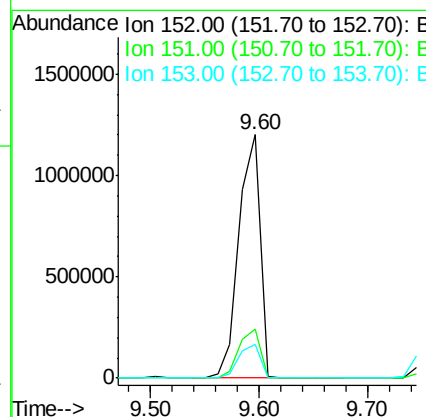
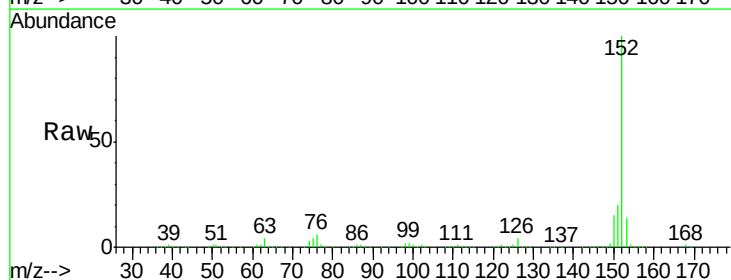
RT: 9.60 min Scan# 657

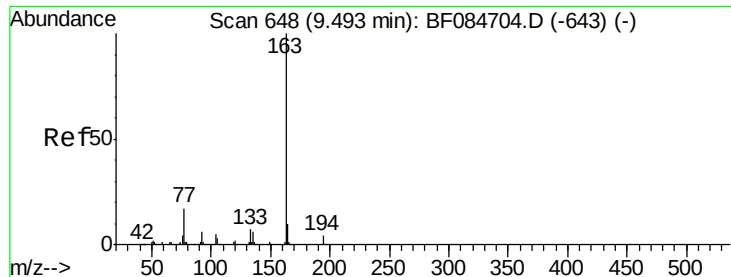
Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Tgt Ion	152	Resp	1596655
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	13.8	10.4	15.6





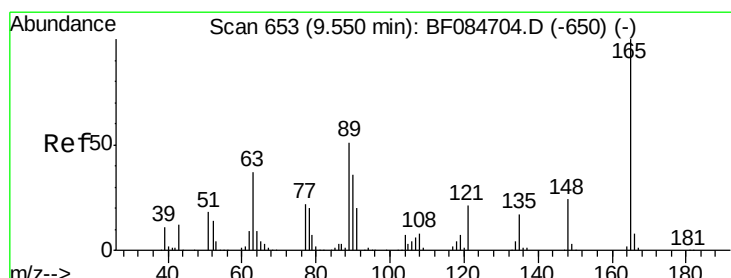
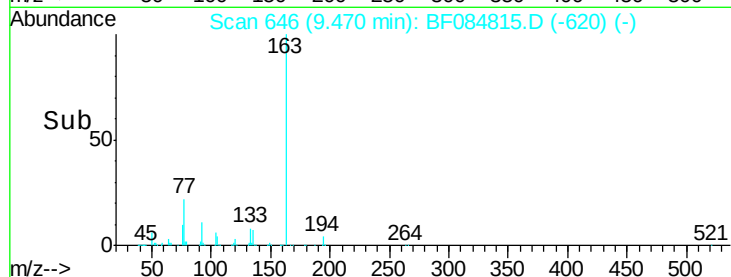
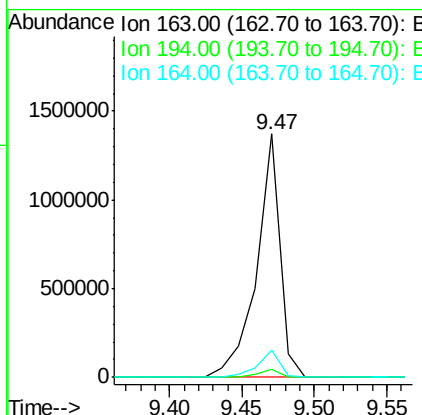
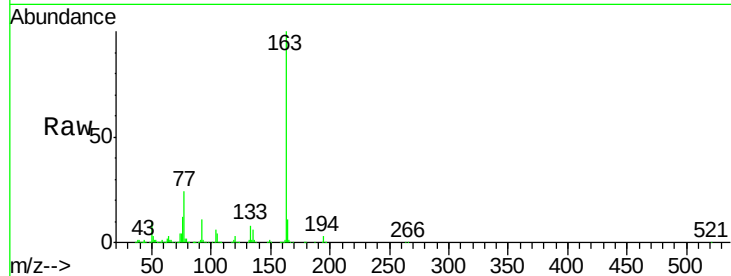
#49
Dimethylphthalate
Concen: 57.08 ng
RT: 9.47 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	8.0	12.0#
164	11.0	8.0	12.0

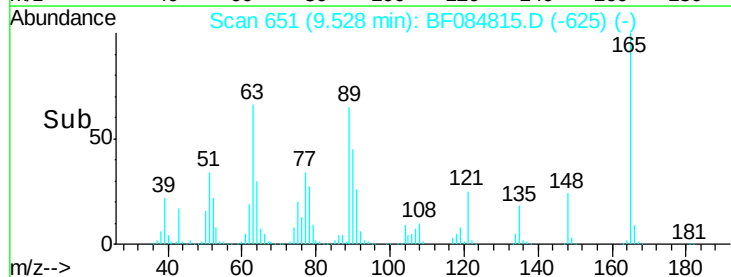
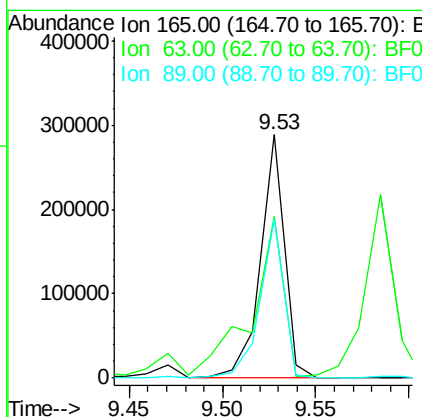
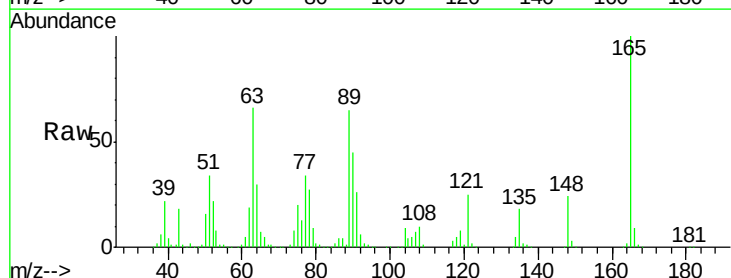
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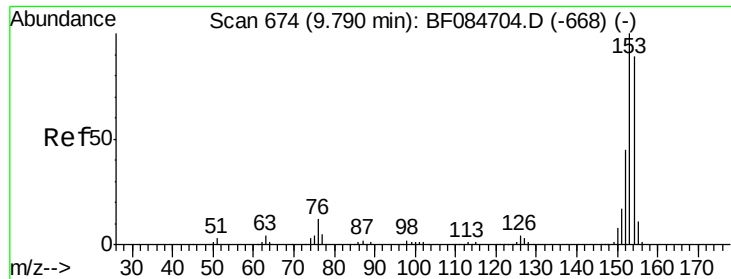
mohammad
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#50
2,6-Dinitrotoluene
Concen: 43.59 ng
RT: 9.53 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	66.2	28.8	43.2#
89	65.2	35.1	52.7#





#51

Acenaphthene

Concen: 43.58 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

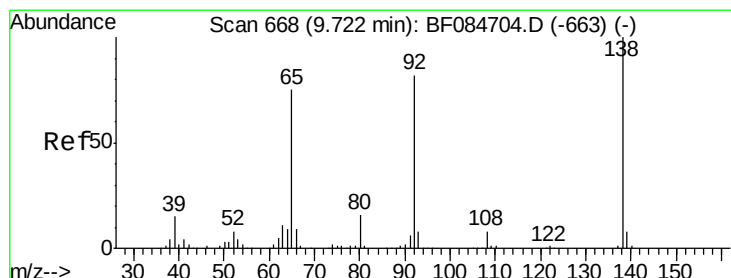
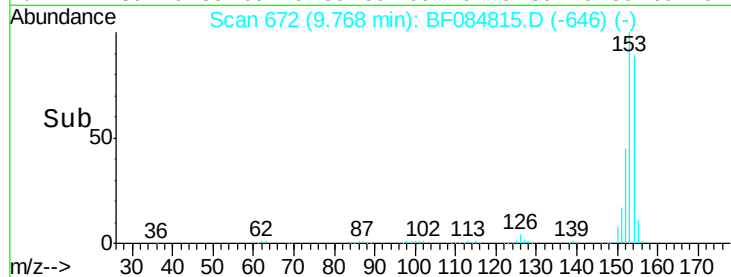
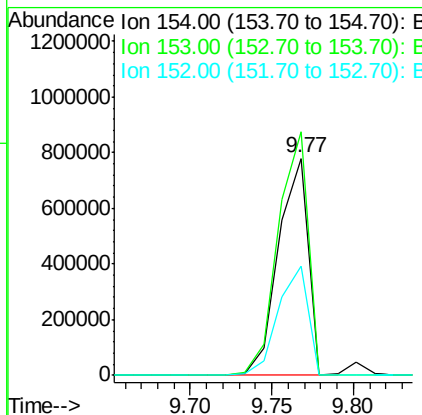
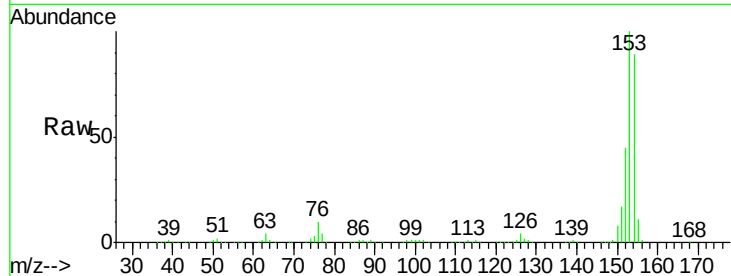
ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion:	154	Resp:	996198
Ion Ratio	Lower	Upper	
154	100		
153	112.3	91.5	137.3
152	50.6	43.0	64.6

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#52

3-Nitroaniline

Concen: 25.15 ng

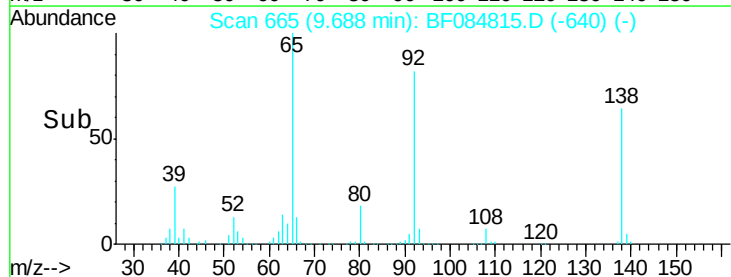
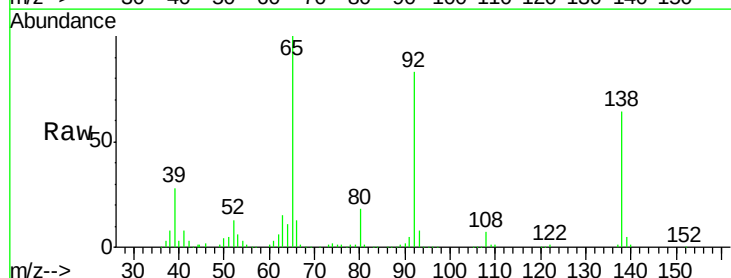
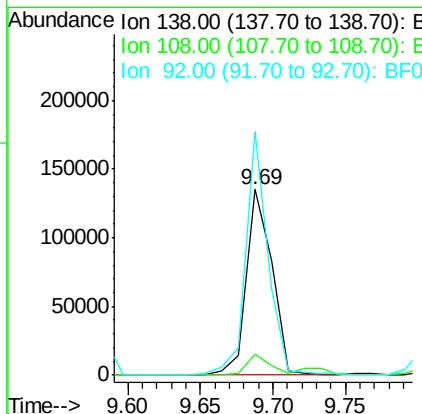
RT: 9.69 min Scan# 665

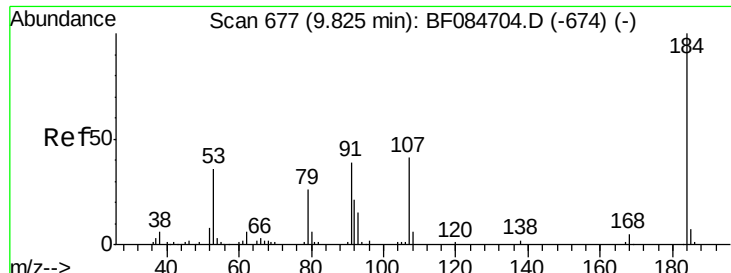
Delta R.T. -0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

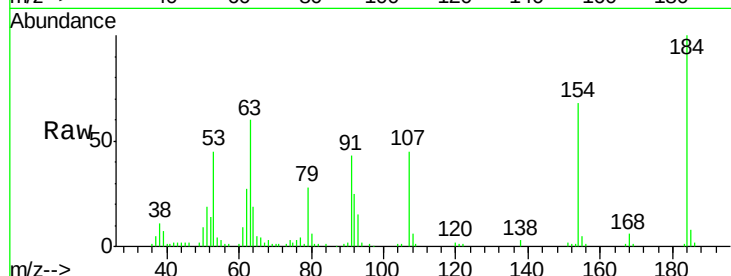
Tgt Ion:	138	Resp:	165482
Ion Ratio	Lower	Upper	
138	100		
108	11.6	10.5	15.7
92	130.9	103.9	155.9





#53
 2,4-Dinitrophenol
 Concen: 28.46 ng
 RT: 9.80 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

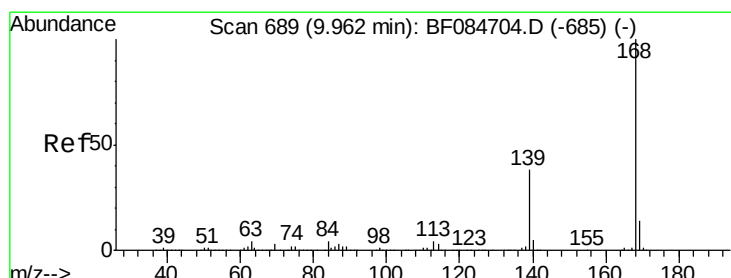
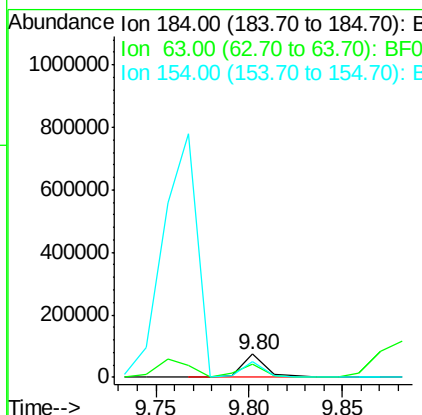
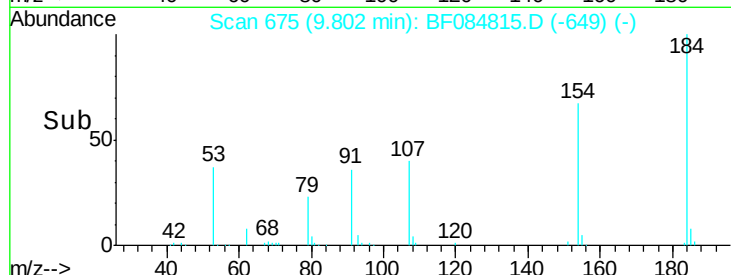
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD



Tot Ion	Ratio	Resp	Lower	Upper
184	100	66038		
63	59.6	43.1	64.7	
154	67.5	60.5	90.7	

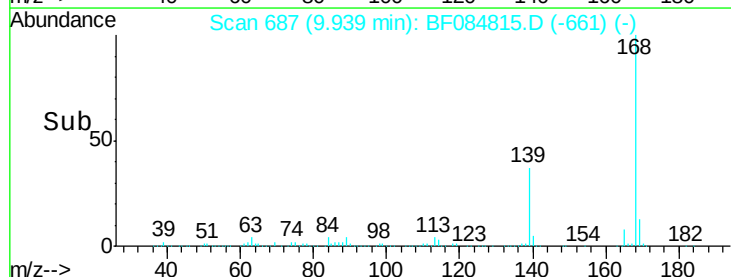
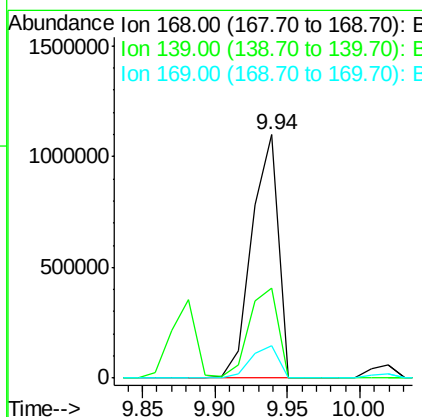
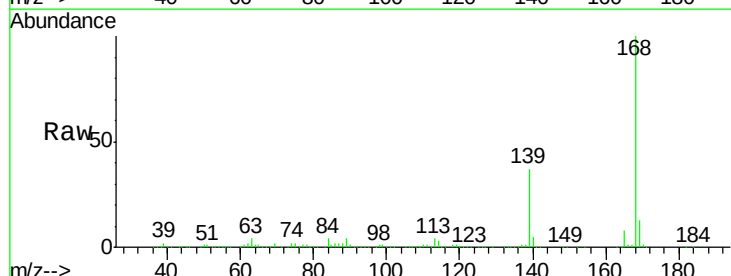
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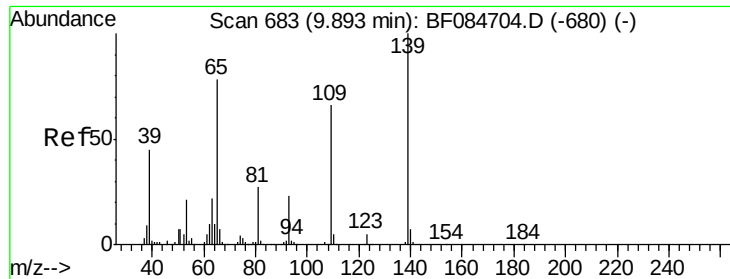
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#54
 Dibenzofuran
 Concen: 49.59 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1385467		
139	37.0	30.5	45.7	
169	13.2	10.4	15.6	





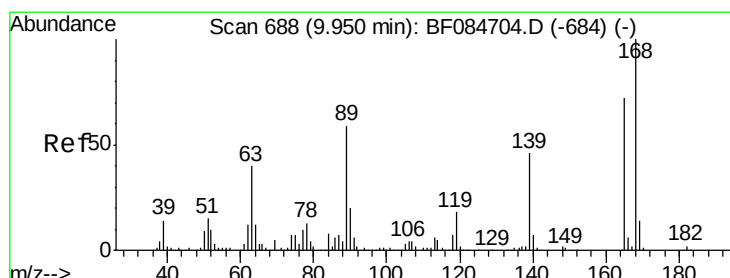
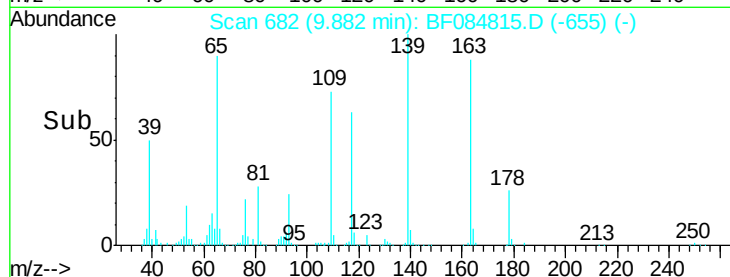
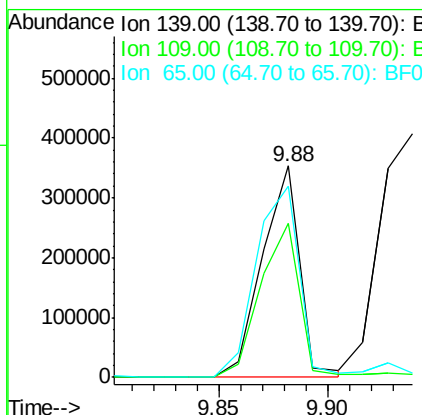
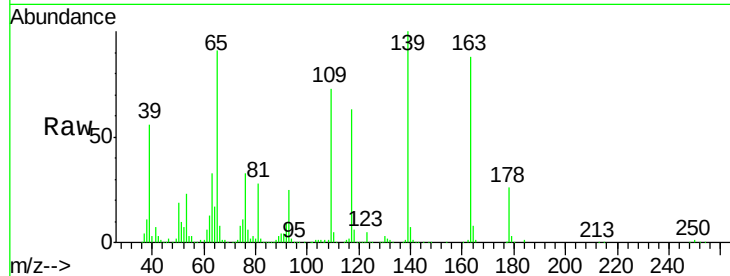
#55
4-Nitrophenol
Concen: 87.65 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.01 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	72.9	58.5	98.5	
65	90.5	57.6	97.6	

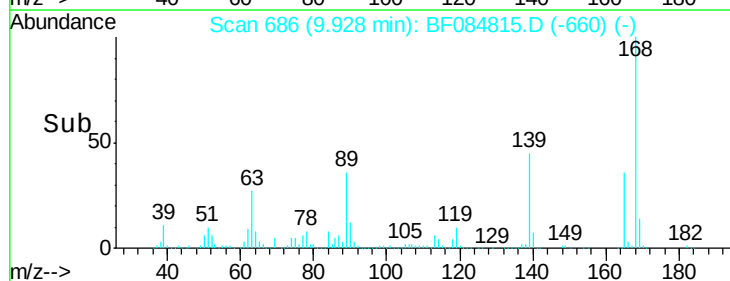
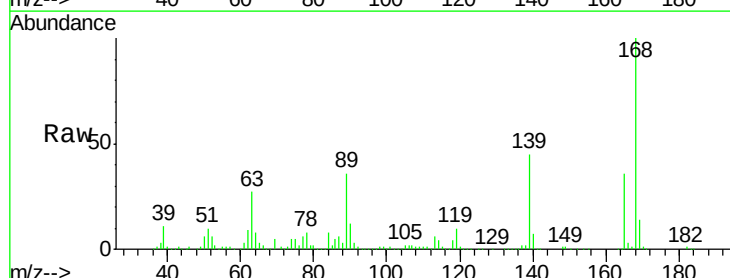
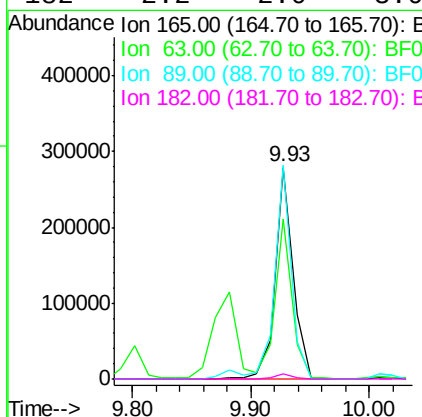
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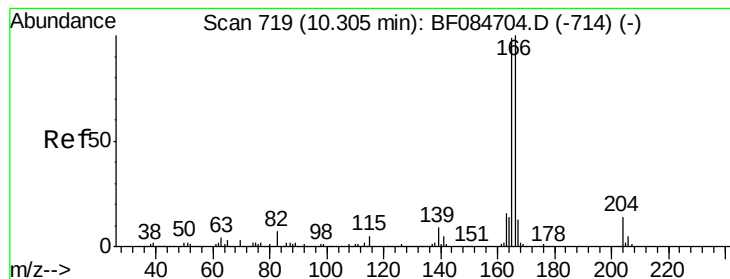
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#56
2,4-Dinitrotoluene
Concen: 39.16 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	75.5	36.7	55.1#	
89	100.9	61.9	92.9#	
182	2.2	2.0	3.0	





#57

Fluorene

Concen: 44.95 ng

RT: 10.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion:166 Resp: 1048614

Ion Ratio Lower Upper

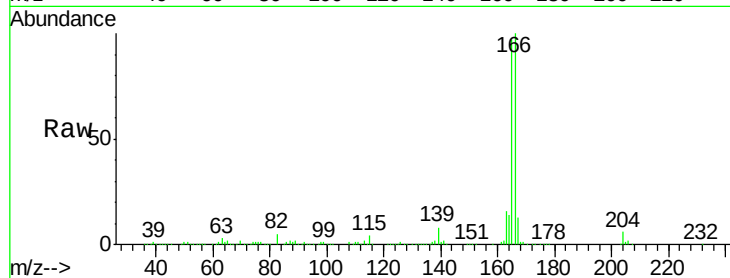
166 100

165 97.4 79.1 118.7

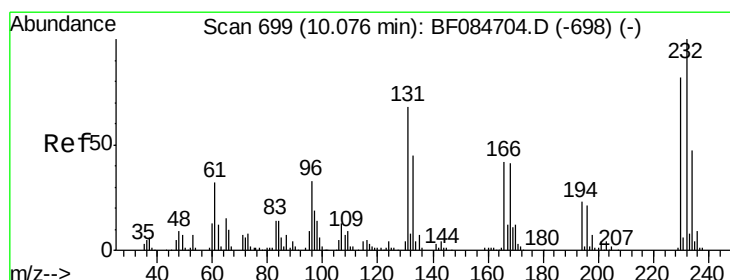
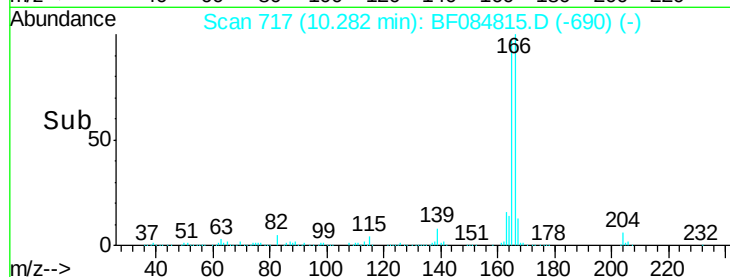
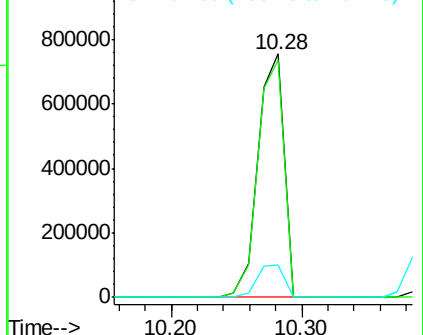
167 13.2 10.4 15.6

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 46.99 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Tgt Ion:232 Resp: 261765

Ion Ratio Lower Upper

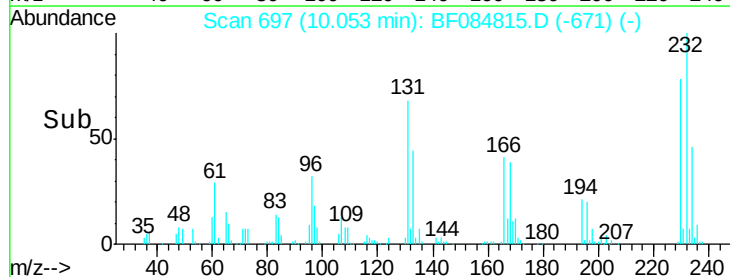
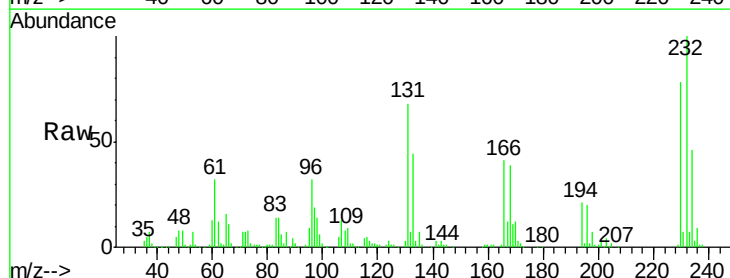
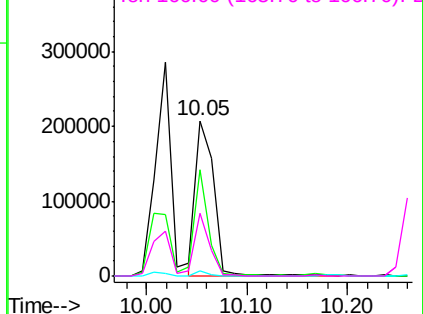
232 100

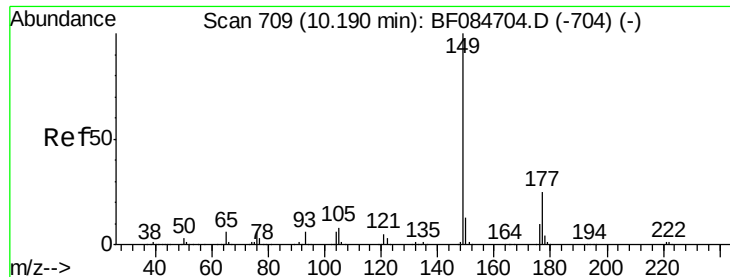
131 52.9 47.0 70.6

130 2.3 2.0 3.0

166 33.2 30.5 45.7

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





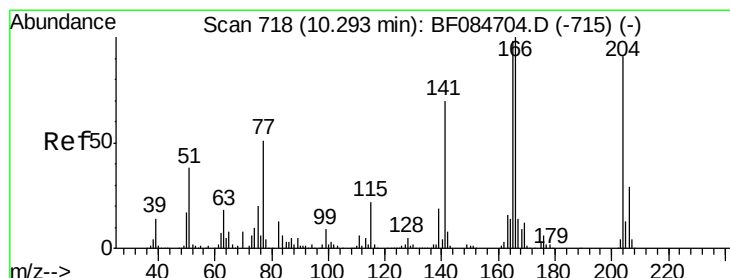
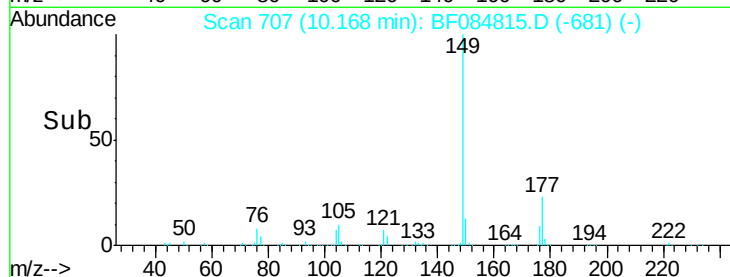
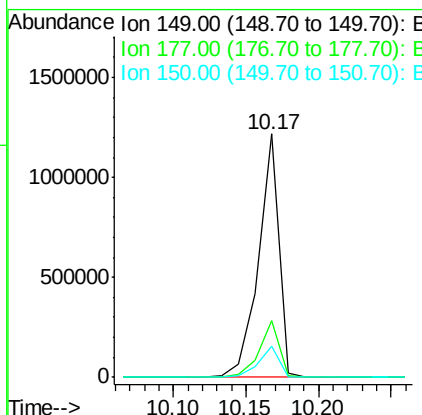
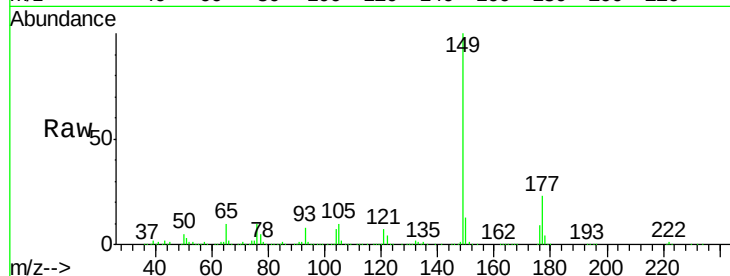
#59
Diethylphthalate
Concen: 45.63 ng
RT: 10.17 min Scan# 707
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion:149 Resp: 1194489
Ion Ratio Lower Upper
149 100
177 23.3 17.3 25.9
150 12.8 9.8 14.8

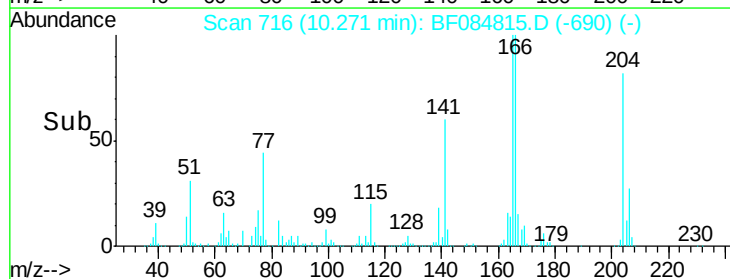
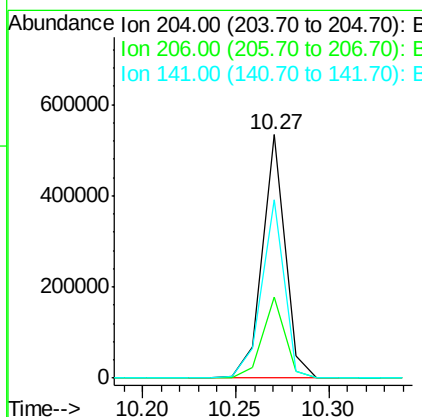
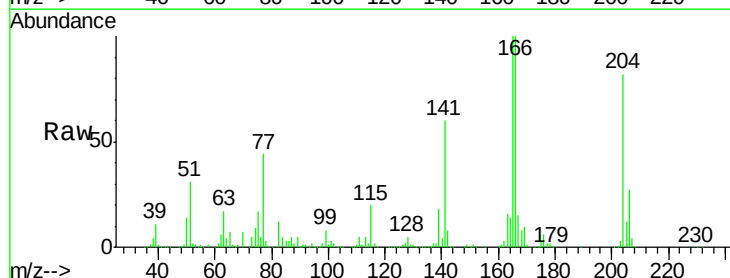
Manual Integrations
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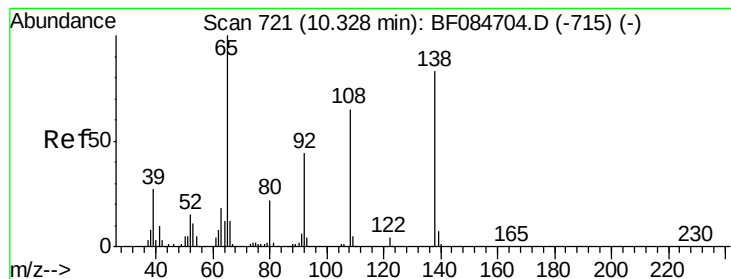
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 46.11 ng
RT: 10.27 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion:204 Resp: 450195
Ion Ratio Lower Upper
204 100
206 33.4 25.7 38.5
141 73.4 55.1 82.7





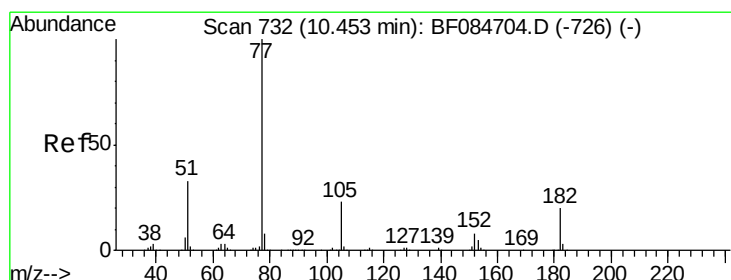
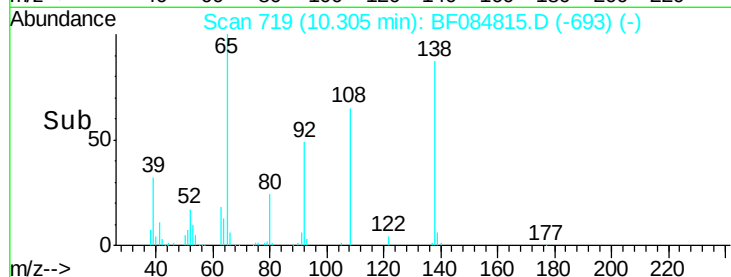
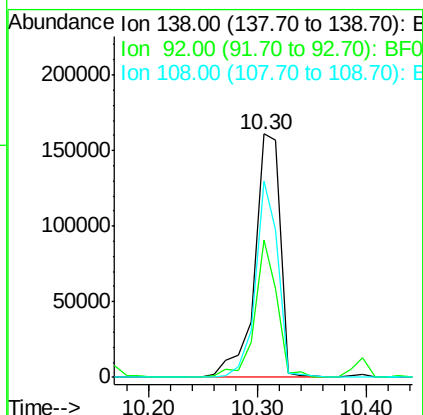
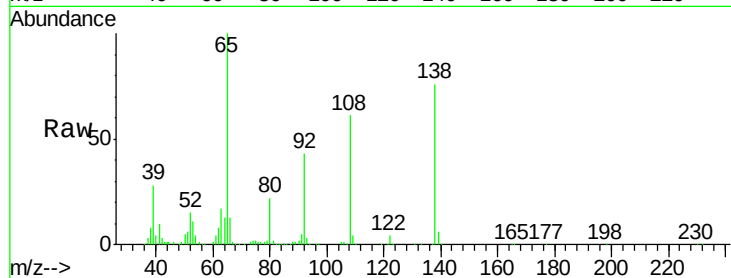
#61
4-Nitroaniline
Concen: 41.64 ng
RT: 10.30 min Scan# 719
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	56.5	32.6	72.6
108	80.7	68.6	108.6

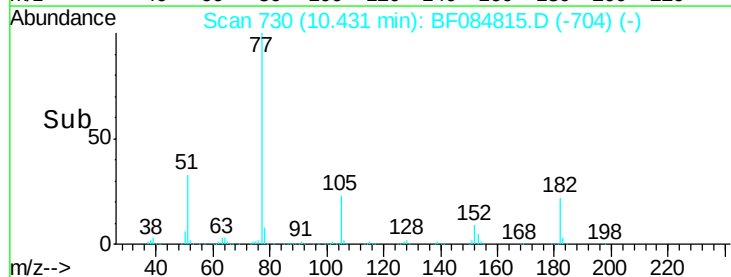
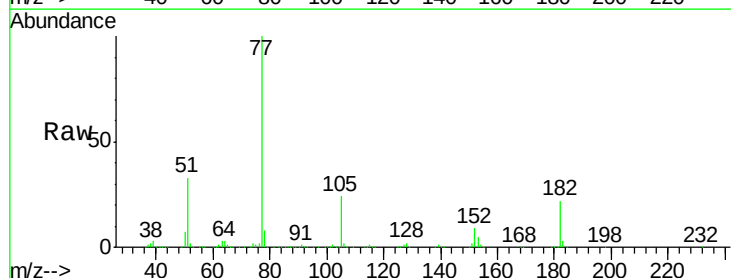
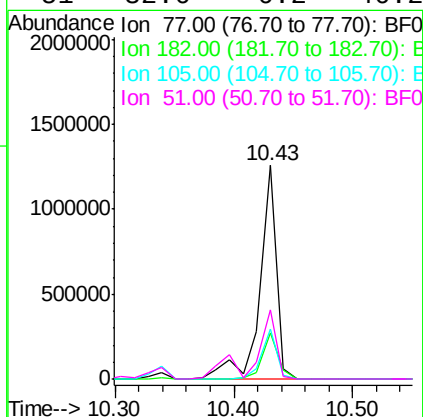
Manual Integrations
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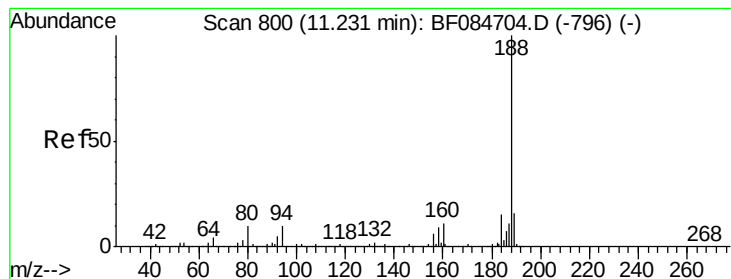
mohammad
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#62
Azobenzene
Concen: 49.24 ng
RT: 10.43 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Lower	Upper
77	100		
182	21.6	8.3	48.3
105	23.5	4.6	44.6
51	32.6	6.2	46.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 798

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion:188 Resp: 633237
Ion Ratio Lower Upper

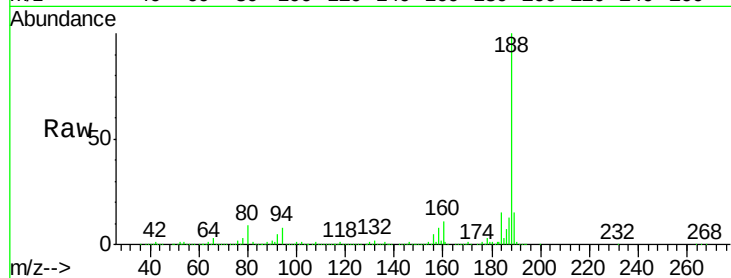
188 100

94 8.4 9.0 13.4#

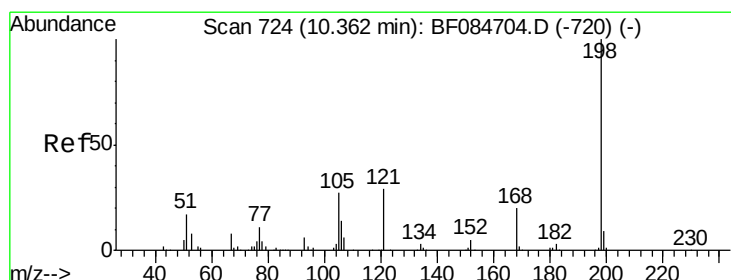
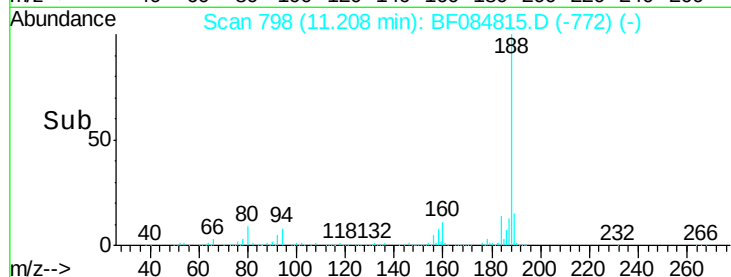
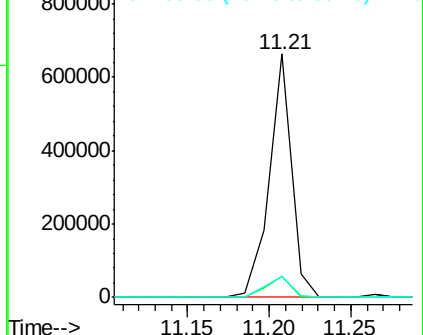
80 8.6 9.6 14.4#

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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: 40.74 ng

RT: 10.34 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF084815.D

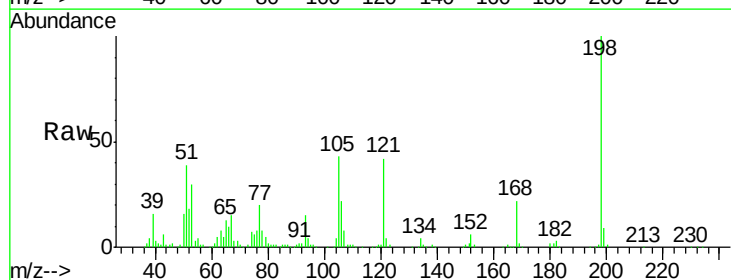
Acq: 4 Feb 2016 5:32

Tgt Ion:198 Resp: 159234
Ion Ratio Lower Upper

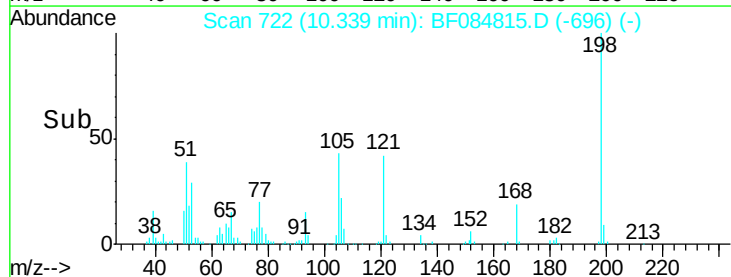
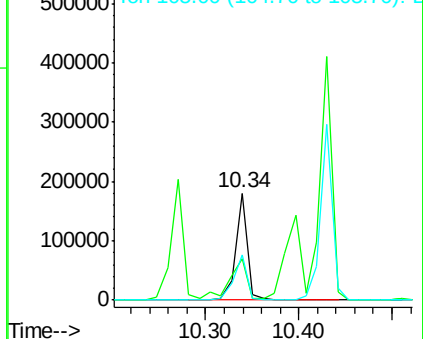
198 100

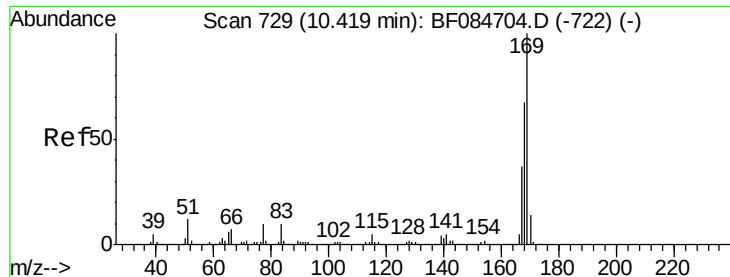
51 38.8 18.9 58.9

105 42.8 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: 48.91 ng

RT: 10.40 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

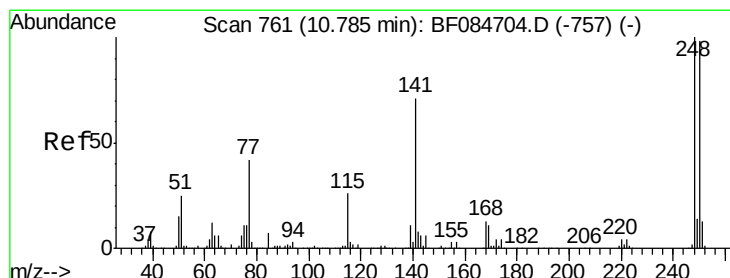
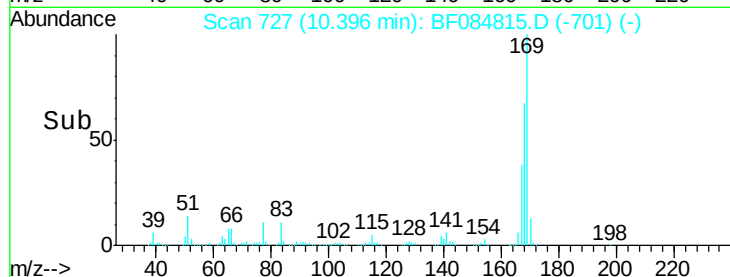
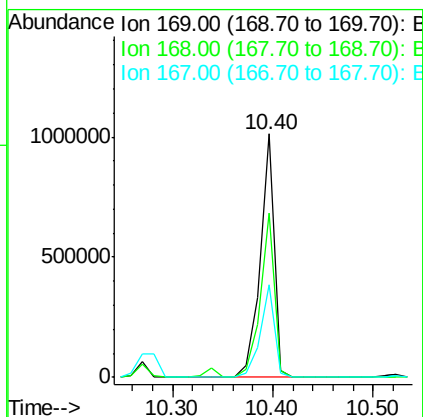
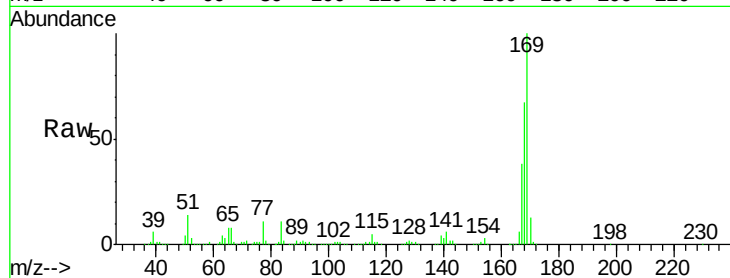
ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion:	169	Resp:	983418
Ion Ratio	Lower	Upper	
169	100		
168	67.3	55.1	82.7
167	37.9	30.0	45.0

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#66

4-Bromophenyl-phenylether

Concen: 48.00 ng

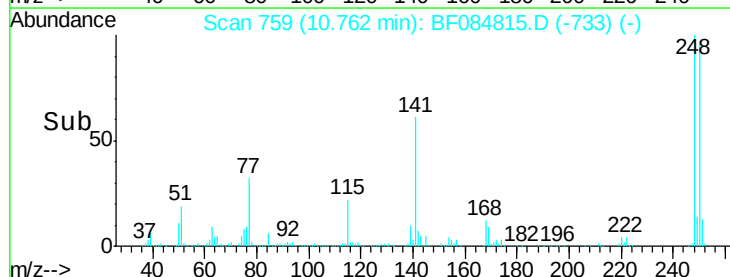
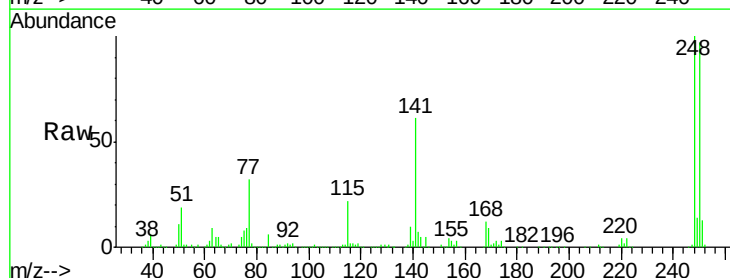
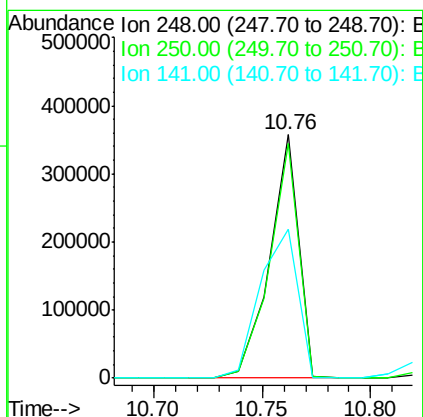
RT: 10.76 min Scan# 759

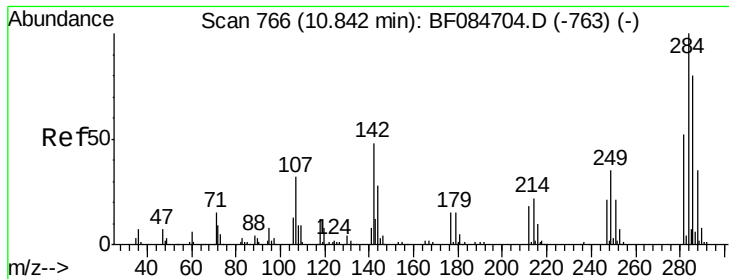
Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Tgt Ion:	248	Resp:	335714
Ion Ratio	Lower	Upper	
248	100		
250	96.6	78.4	117.6
141	61.0	44.0	66.0





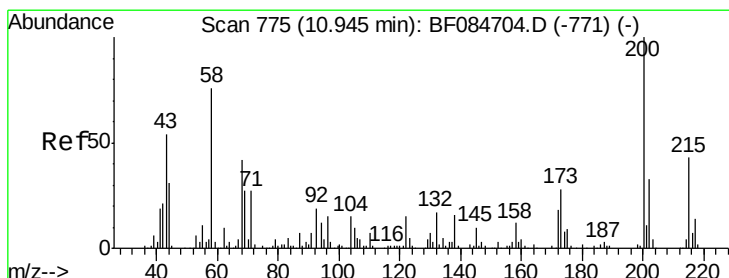
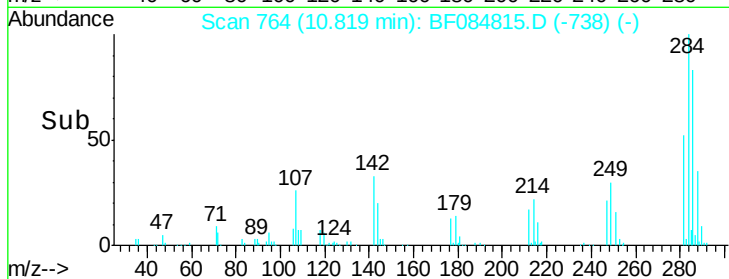
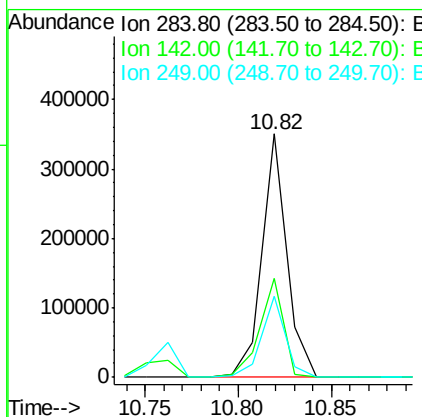
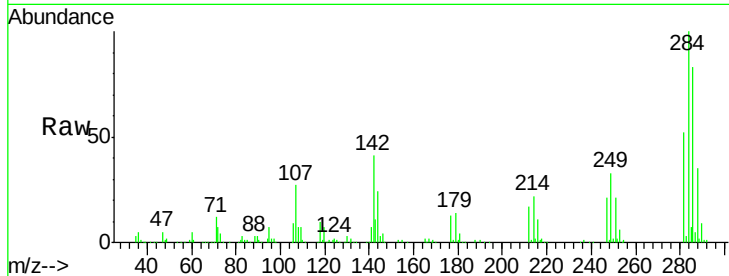
#67
Hexachlorobenzene
Concen: 42.98 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	327532		
142	40.5	22.2	33.4	#
249	33.2	24.6	37.0	

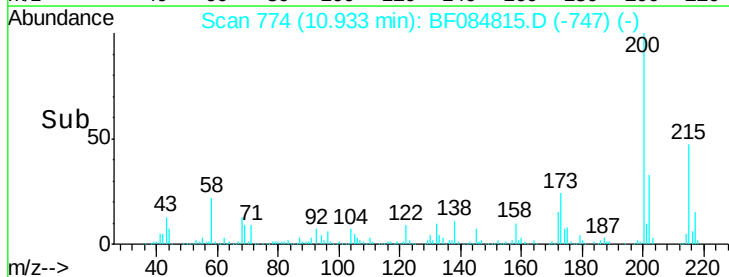
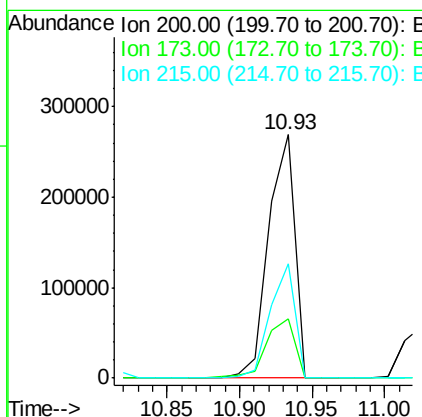
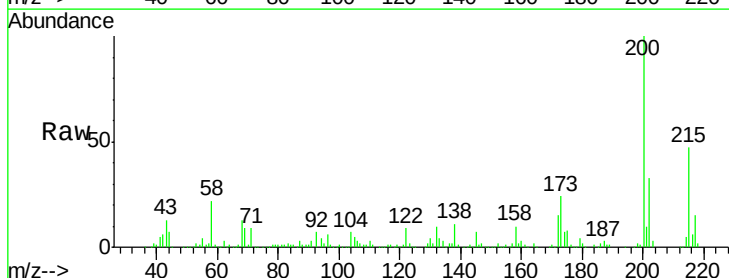
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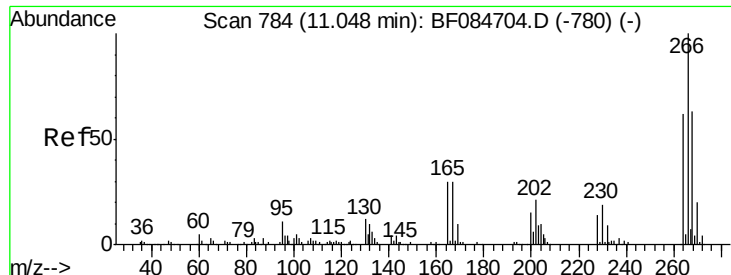
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#68
Atrazine
Concen: 53.26 ng
RT: 10.93 min Scan# 774
Delta R.T. 0.01 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	338200		
173	24.4	9.5	49.5	
215	47.1	23.8	63.8	





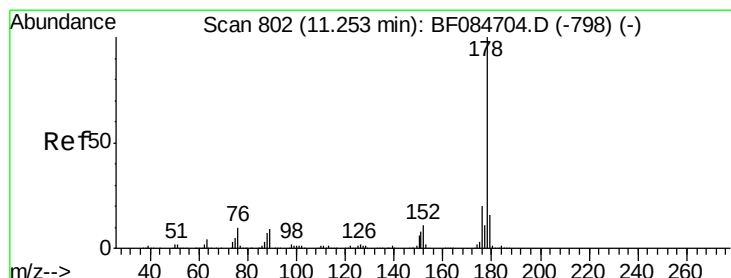
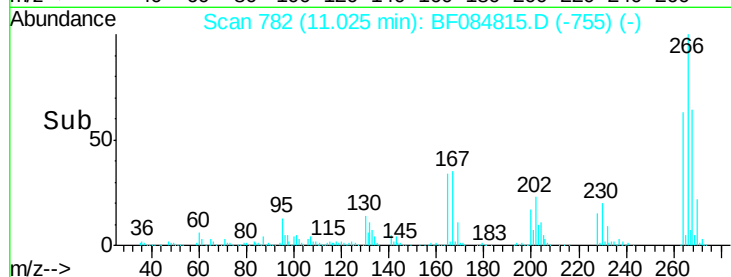
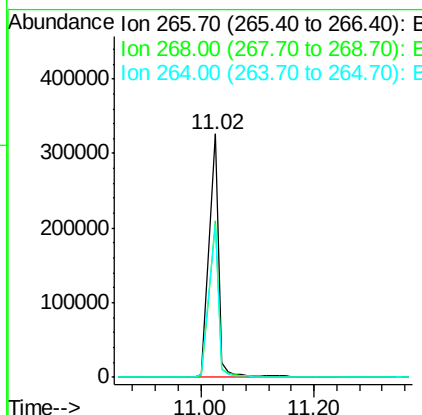
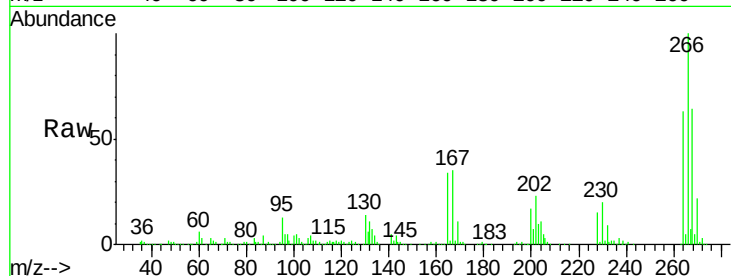
#69
 Pentachlorophenol
 Concen: 102.13 ng
 RT: 11.02 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	64.4	52.4	78.6
264	62.9	50.2	75.2

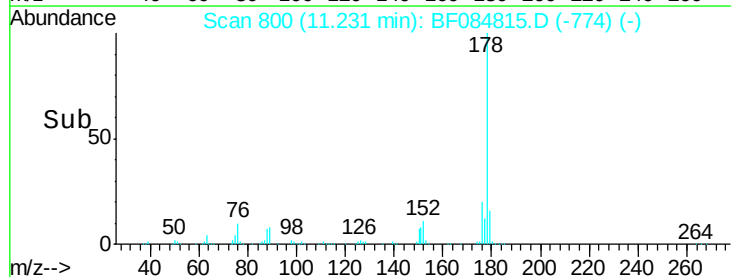
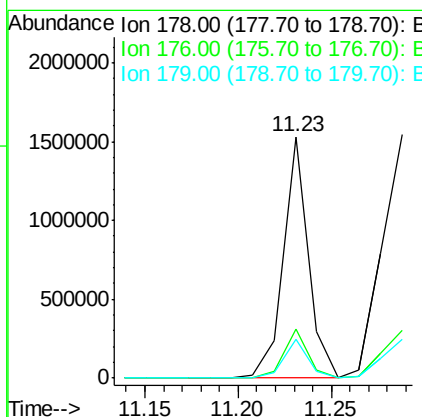
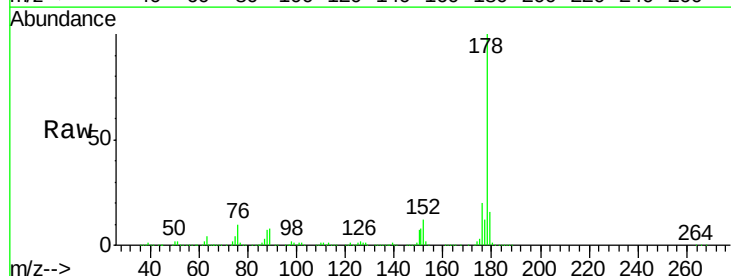
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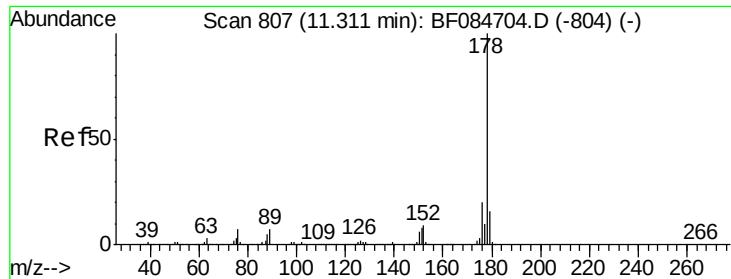
mohammad
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#70
 Phenanthrene
 Concen: 40.72 ng
 RT: 11.23 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.3	22.9
179	16.2	12.0	18.0





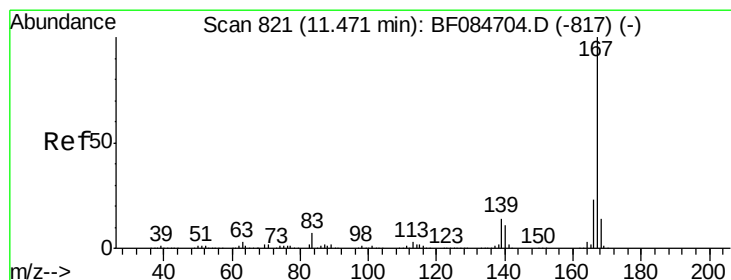
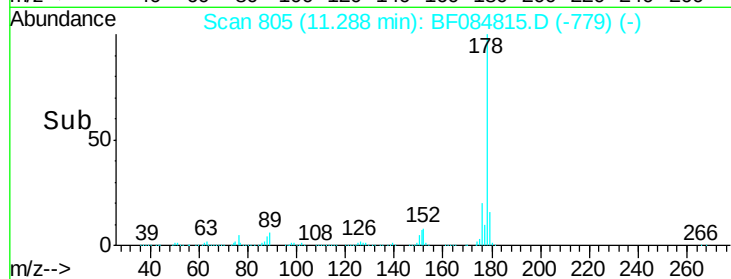
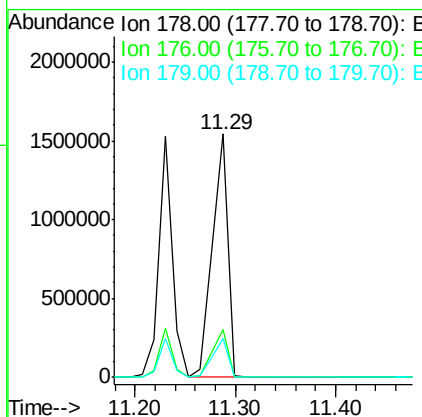
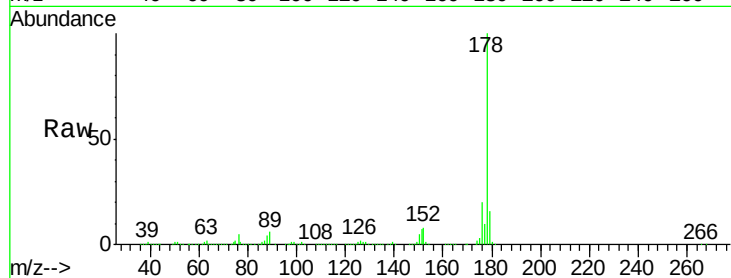
#71
 Anthracene
 Concen: 46.81 ng
 RT: 11.29 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Tot Ion:178 Resp: 1656453
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.0
 179 15.8 12.5 18.7

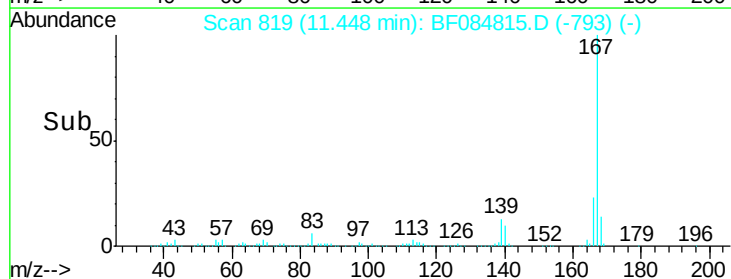
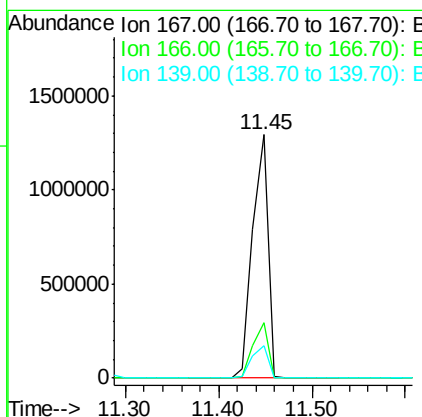
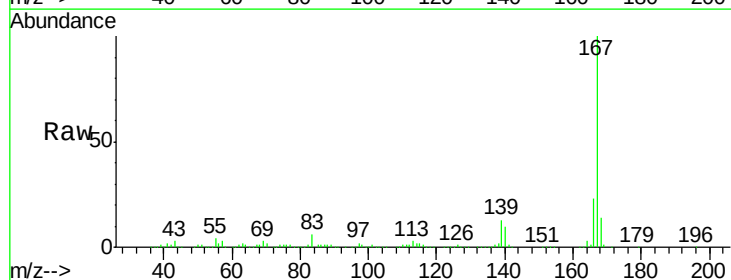
Manual Integrations
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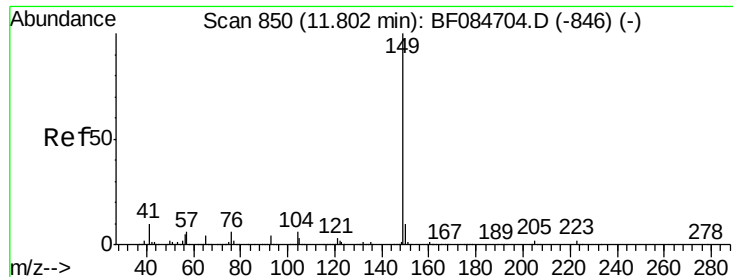
mohammad
 2/4/2016 2:05:25 PM



#72
 Carbazole
 Concen: 48.05 ng
 RT: 11.45 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion:167 Resp: 1482833
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.6 26.4
 139 13.1 11.8 17.8





#73

Di-n-butylphthalate

Concen: 39.90 ng

RT: 11.78 min Scan# 848

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion:149 Resp: 1567602

Ion Ratio Lower Upper

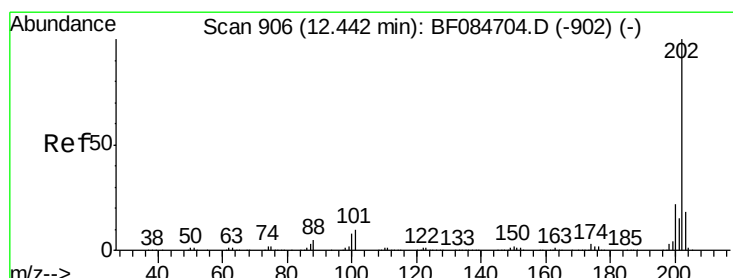
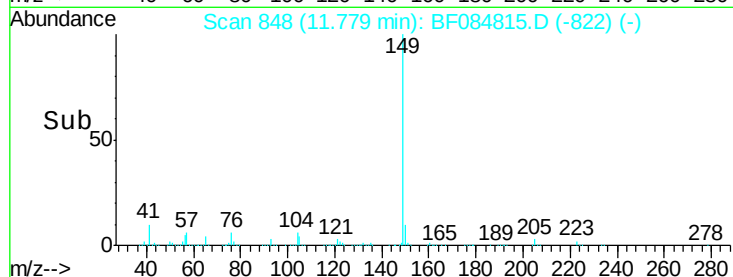
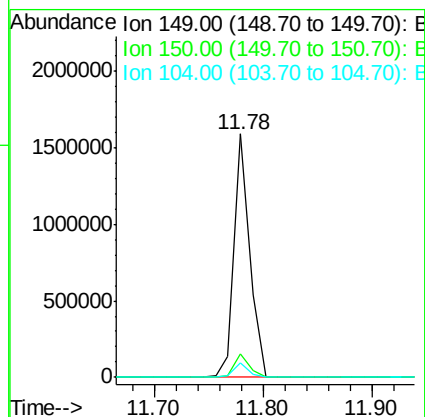
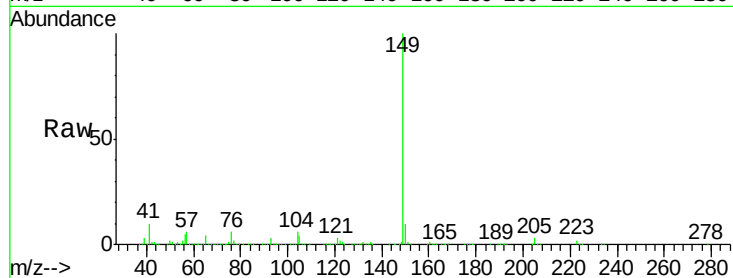
149 100

150 9.9 7.1 10.7

104 6.1 3.2 4.8#

Manual Integrations
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#74

Fluoranthene

Concen: 44.97 ng

RT: 12.42 min Scan# 904

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

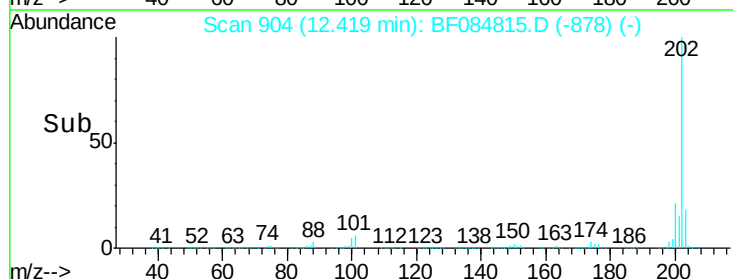
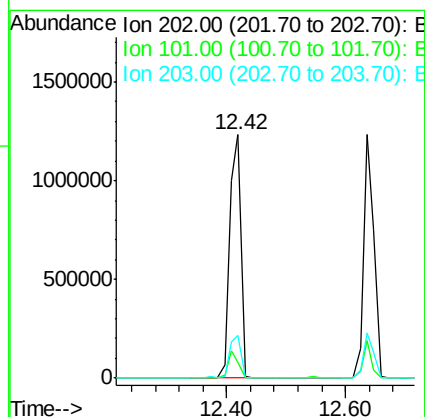
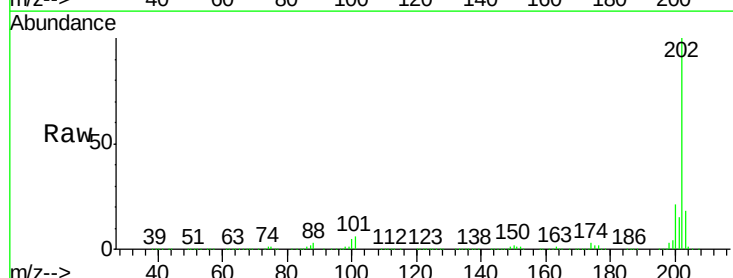
Tgt Ion:202 Resp: 1598518

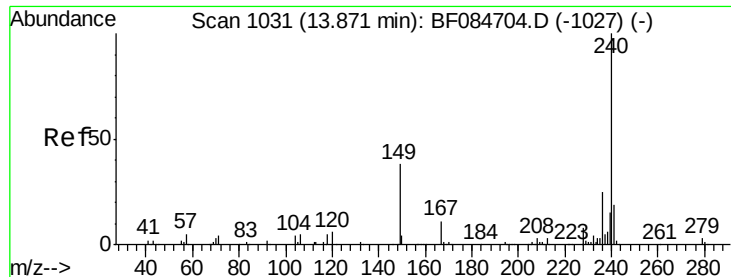
Ion Ratio Lower Upper

202 100

101 6.3 0.0 32.8

203 17.6 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

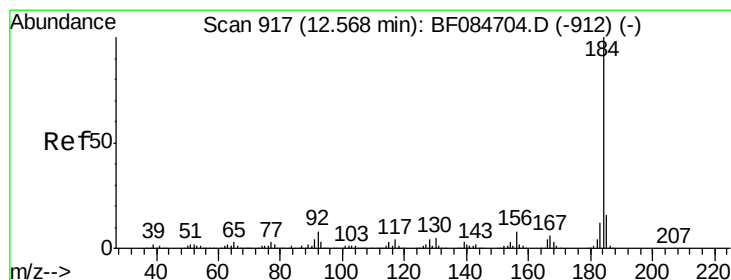
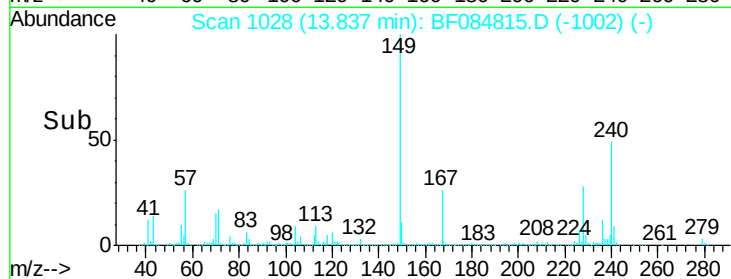
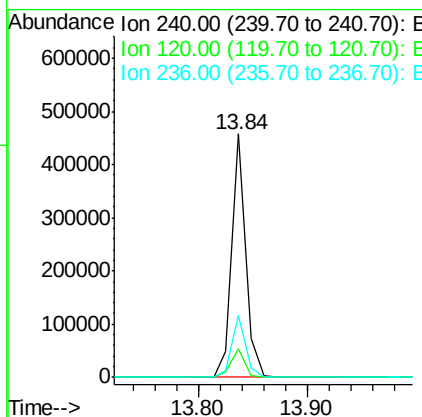
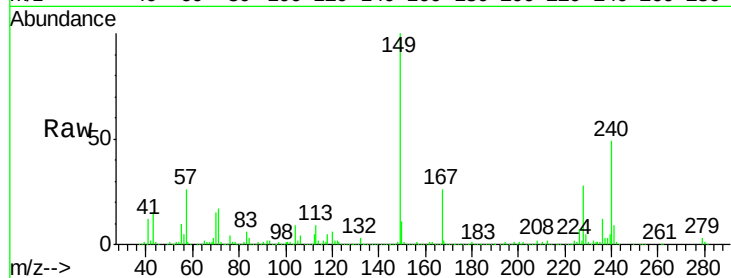
ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion:	240	Resp:	404643
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.5	14.3
236	25.5	20.6	31.0

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#76

Benzidine

Concen: 55.94 ng

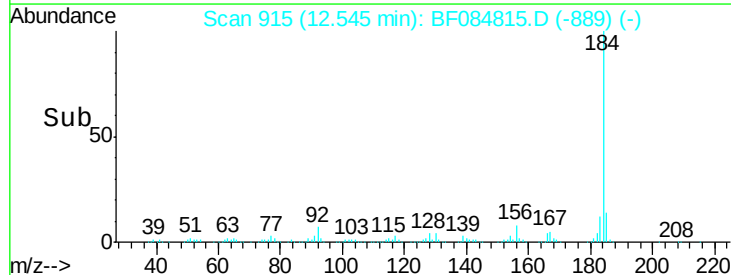
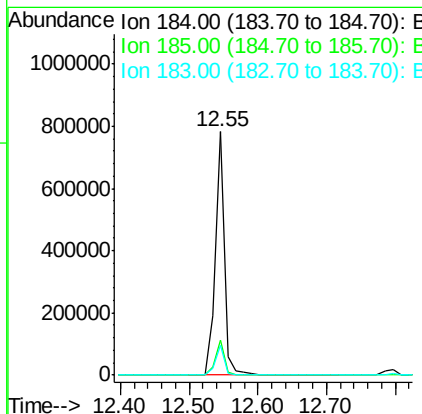
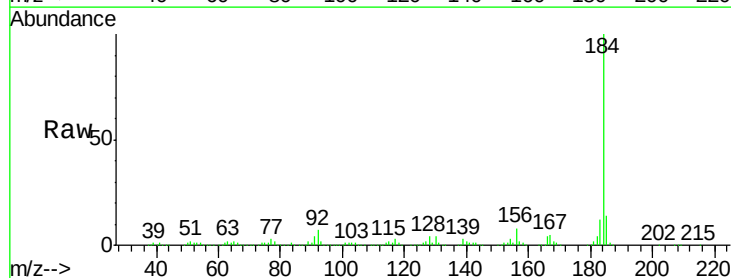
RT: 12.55 min Scan# 915

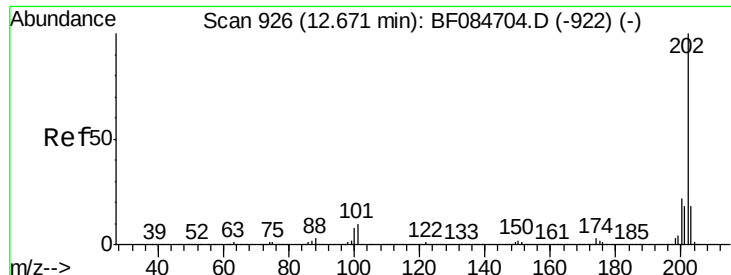
Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Tgt Ion:	184	Resp:	738011
Ion Ratio	Lower	Upper	
184	100		
185	14.2	12.2	18.2
183	12.0	9.8	14.8





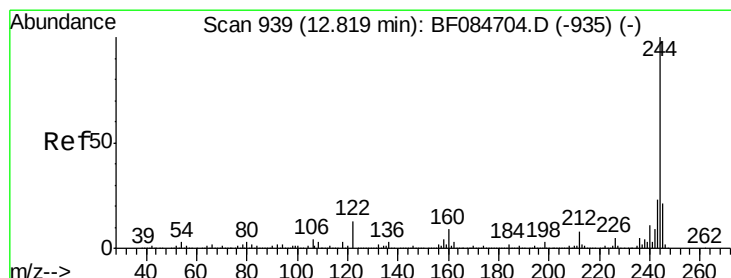
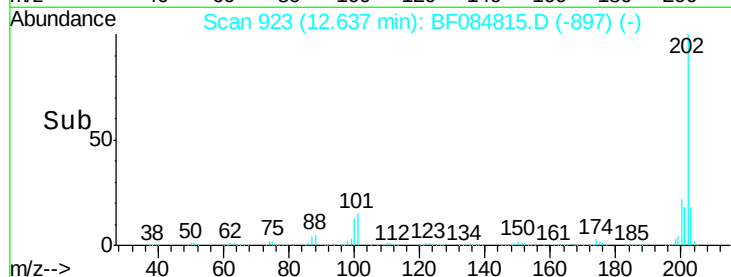
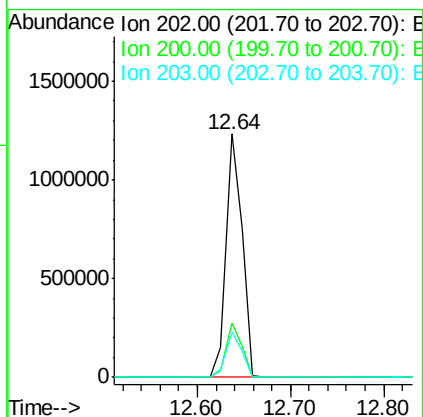
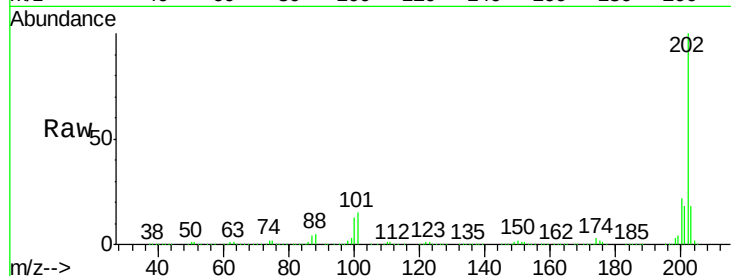
#77
Pvrene
Concen: 47.90 ng
RT: 12.64 min Scan# 923
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.2	25.8
203	18.3	14.3	21.5

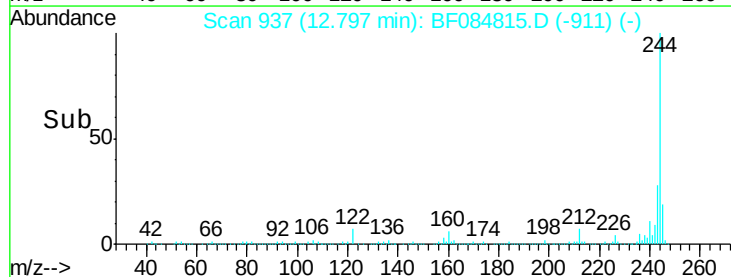
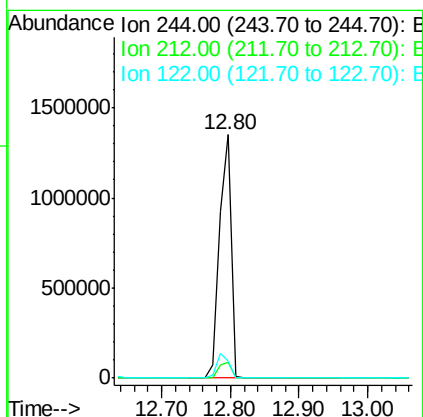
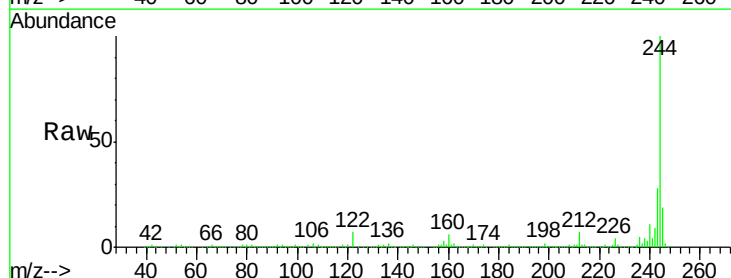
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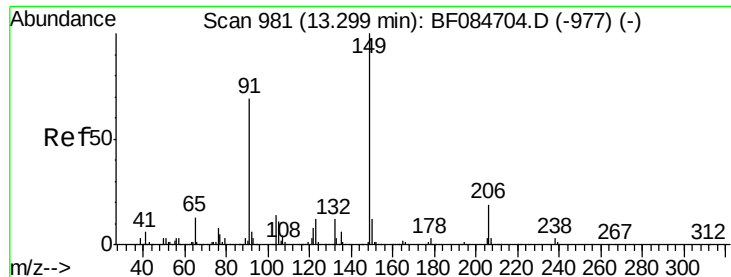
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#78
Terphenyl-d14
Concen: 91.29 ng
RT: 12.80 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	6.9	7.4	11.0





#79

Butylbenzylphthalate

Concen: 51.06 ng

RT: 13.28 min Scan# 979

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

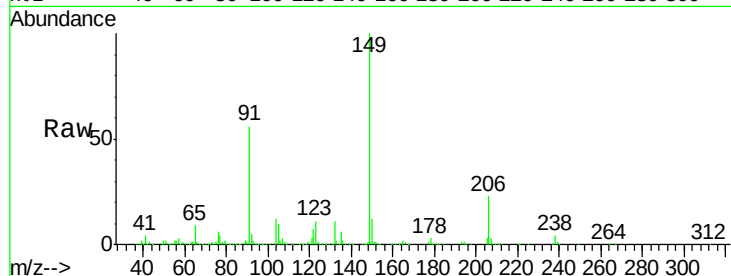
ClientSampleId :

SUP-B005(34-36)MSD

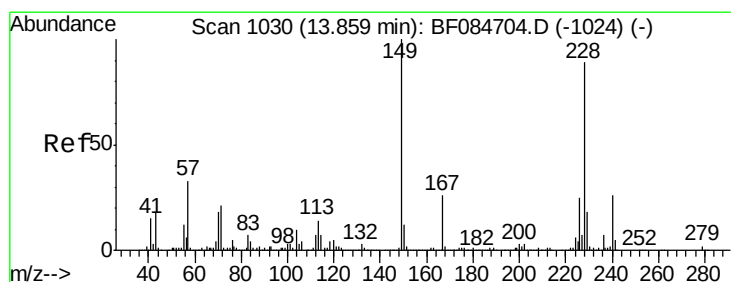
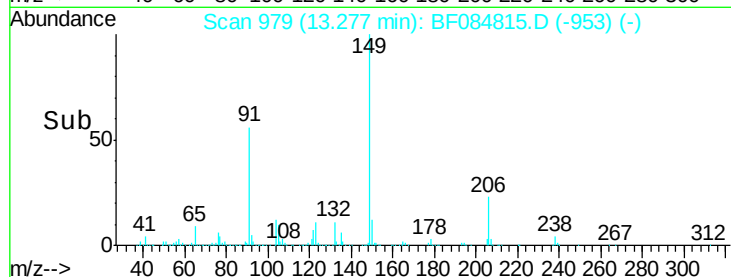
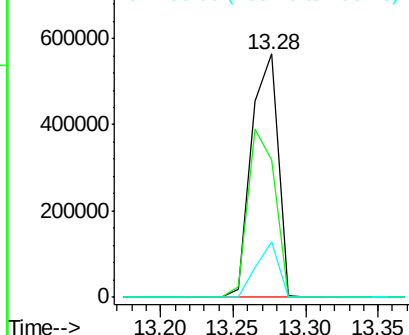
Tot Ion	Ratio	Lower	Upper
149	100		
91	56.3	57.6	86.4#
206	22.8	13.2	19.8#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 44.91 ng

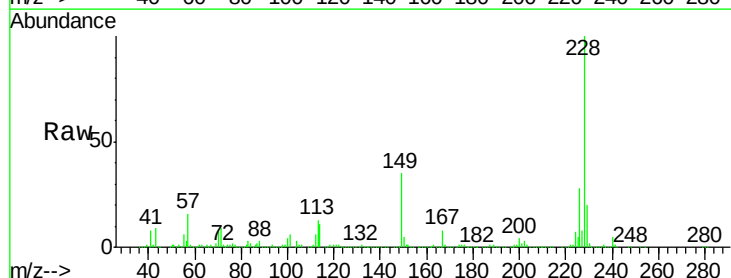
RT: 13.83 min Scan# 1027

Delta R.T. 0.00 min

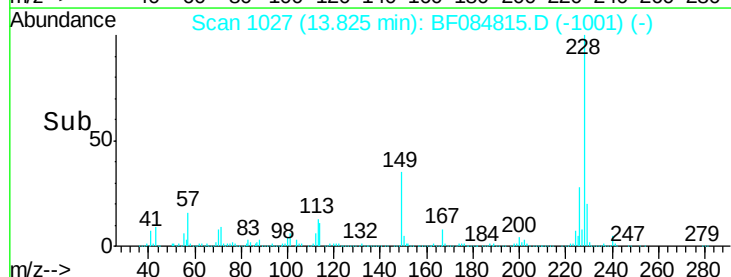
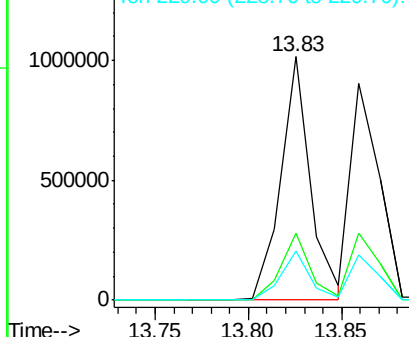
Lab File: BF084815.D

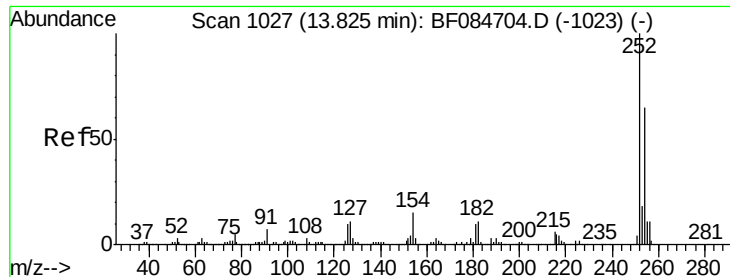
Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.6
229	20.3	15.8	23.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#81

3,3'-Dichlorobenzidine

Concen: 27.15 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

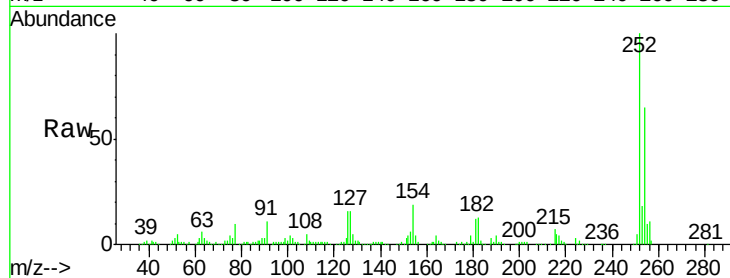
ClientSampleId :

SUP-B005(34-36)MSD

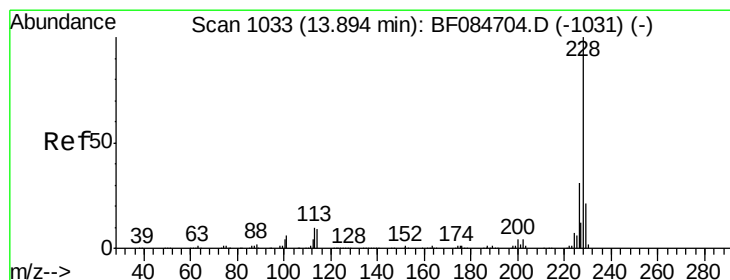
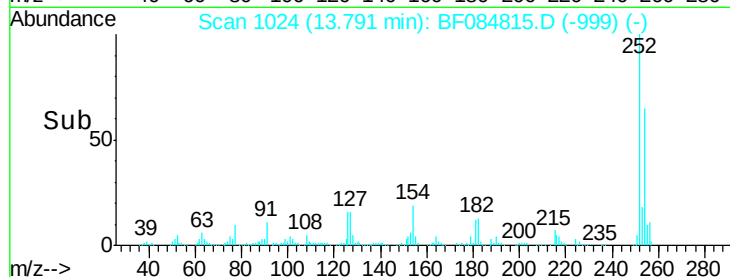
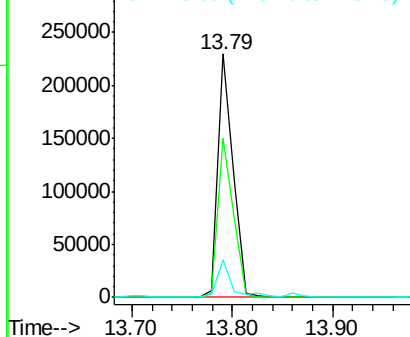
Tot Ion:	252	Resp:	241387
Ion Ratio		Lower	Upper
252	100		
254	65.1	53.5	80.3
126	15.6	4.9	7.3#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 40.80 ng

RT: 13.86 min Scan# 1030

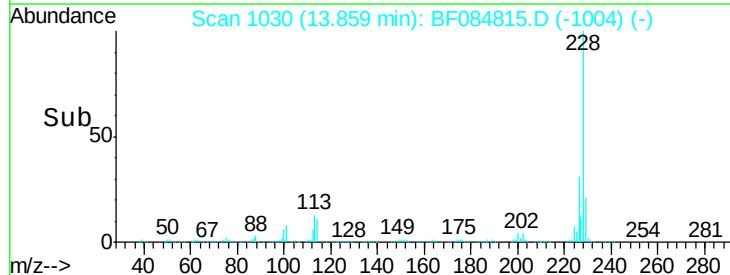
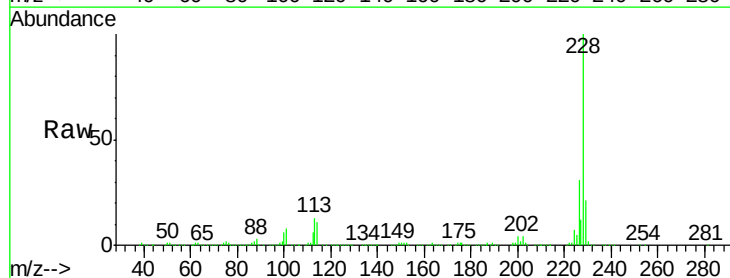
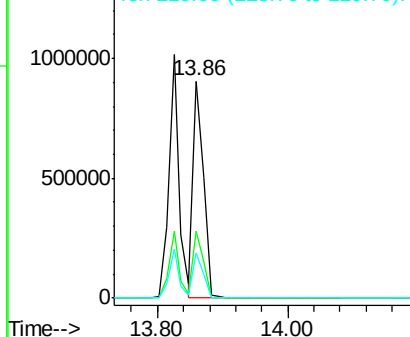
Delta R.T. 0.00 min

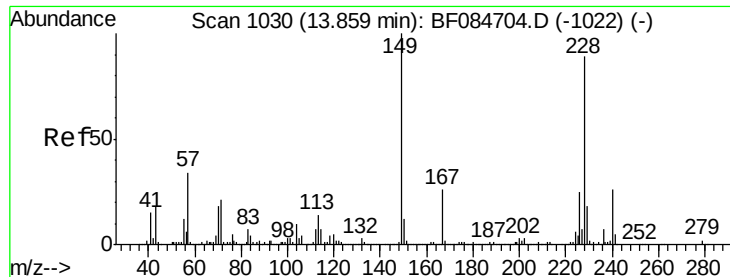
Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Tgt Ion:	228	Resp:	993547
Ion Ratio		Lower	Upper
228	100		
226	30.7	24.3	36.5
229	20.7	16.1	24.1

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 52.59 ng

RT: 13.84 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

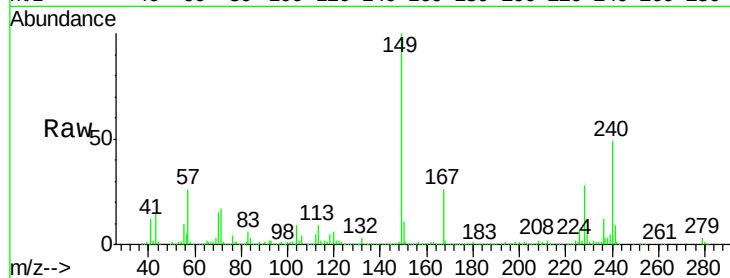
ClientSampleId :

SUP-B005(34-36)MSD

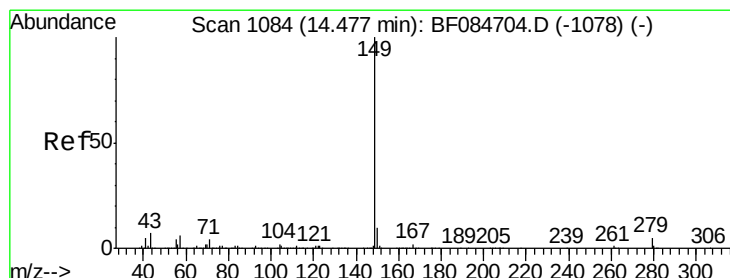
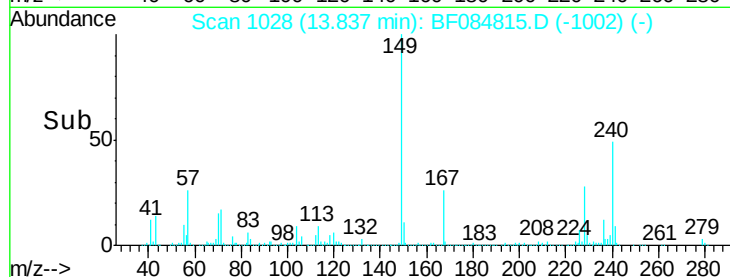
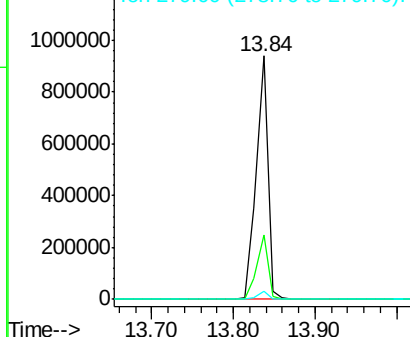
Tot Ion:	149	Resp:	919853
Ion Ratio		Lower	Upper
149	100		
167	26.4	19.7	29.5
279	3.3	1.8	2.6#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 46.99 ng

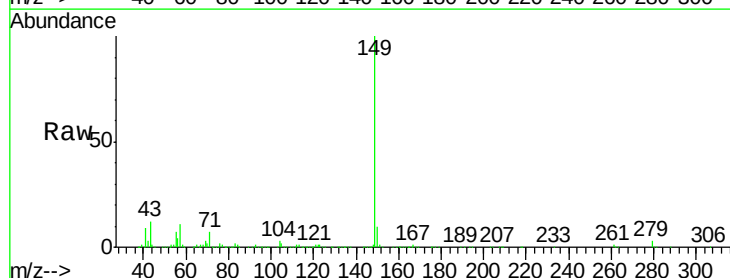
RT: 14.44 min Scan# 1081

Delta R.T. 0.00 min

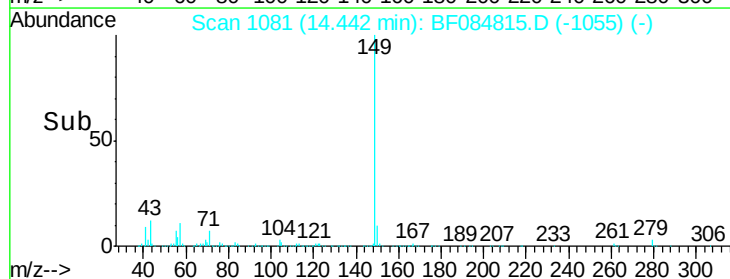
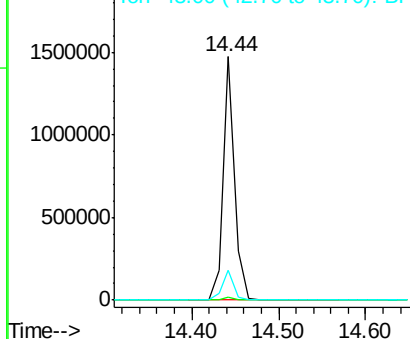
Lab File: BF084815.D

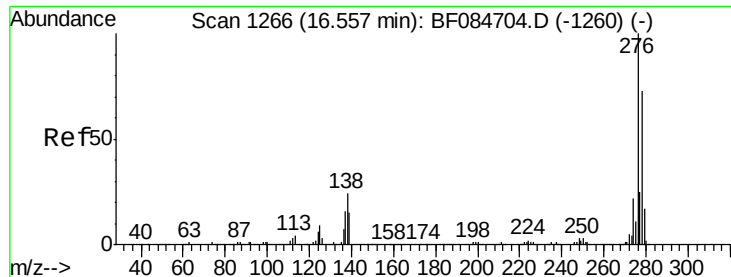
Acq: 4 Feb 2016 5:32

Tgt Ion:	149	Resp:	1355936
Ion Ratio		Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.0	5.6	8.4#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 54.16 ng

RT: 16.50 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

Tot Ion:276 Resp: 1038203

Ion Ratio Lower Upper

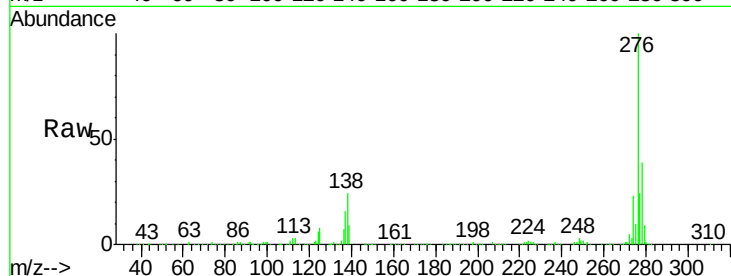
276 100

138 24.7 20.6 30.8

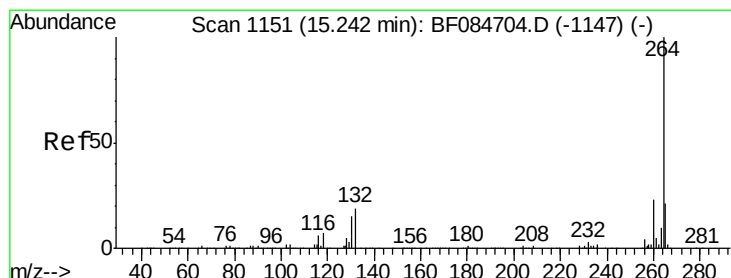
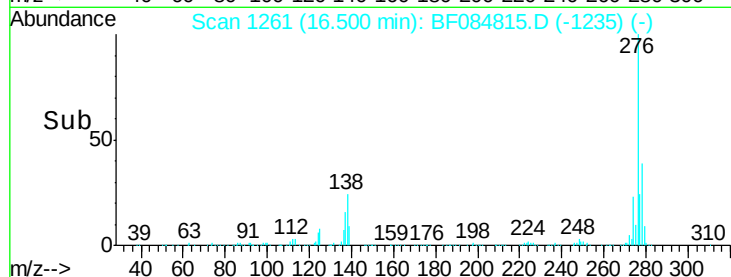
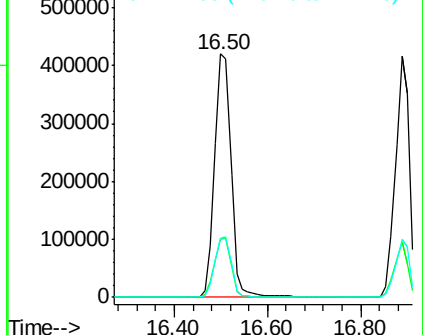
277 24.8 20.1 30.1

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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: 15.21 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

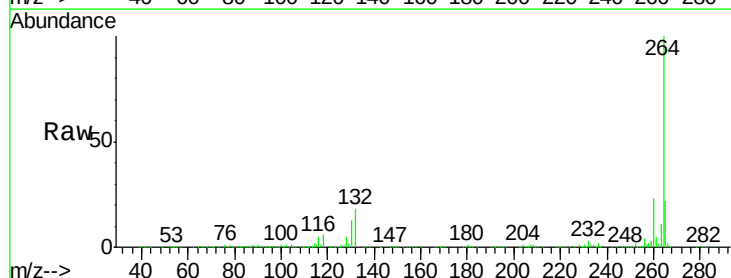
Tgt Ion:264 Resp: 357098

Ion Ratio Lower Upper

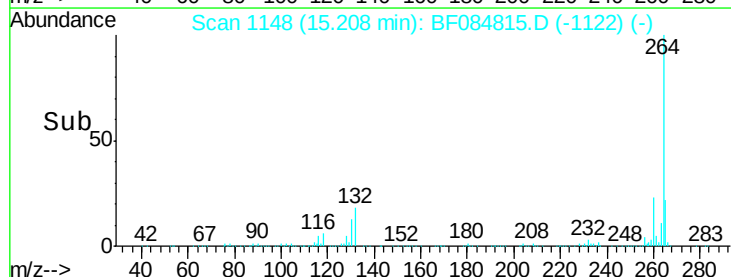
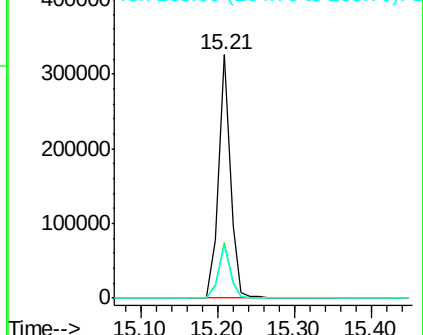
264 100

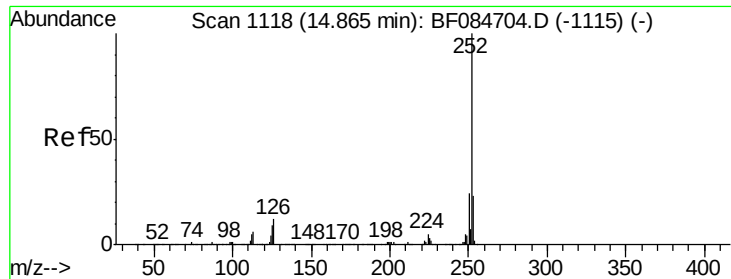
260 22.7 19.4 29.2

265 21.9 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





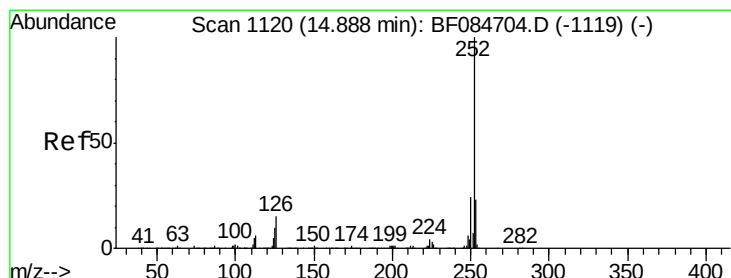
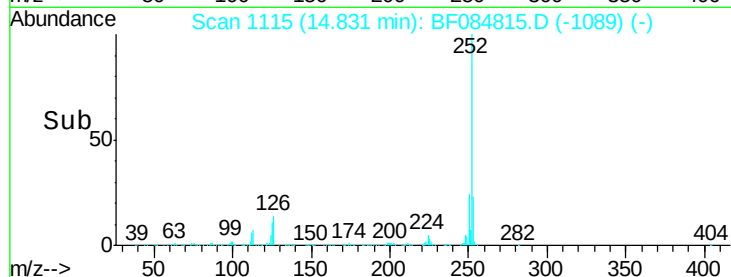
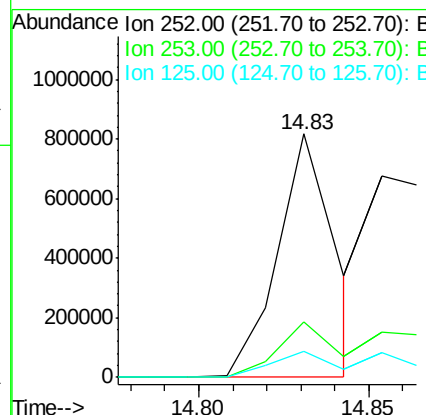
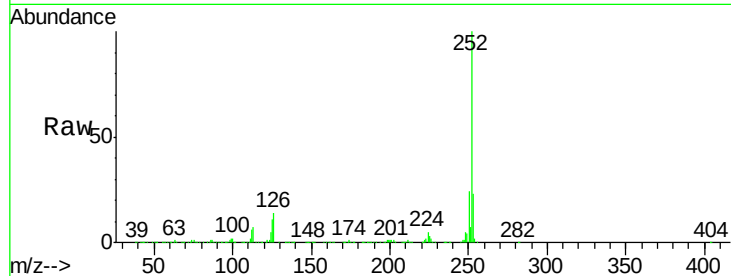
#87
Benzo(b)fluoranthene
Concen: 39.86 ng m
RT: 14.83 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	10.6	6.5	9.7

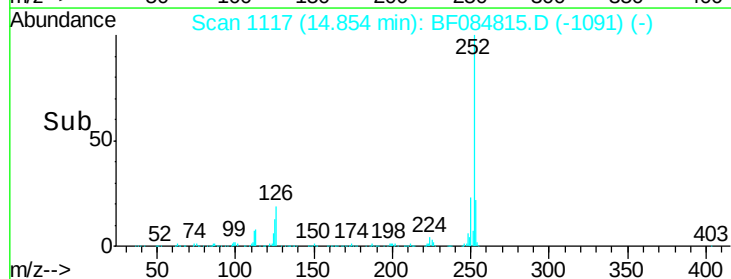
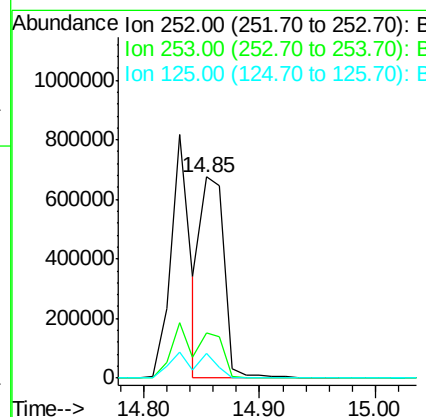
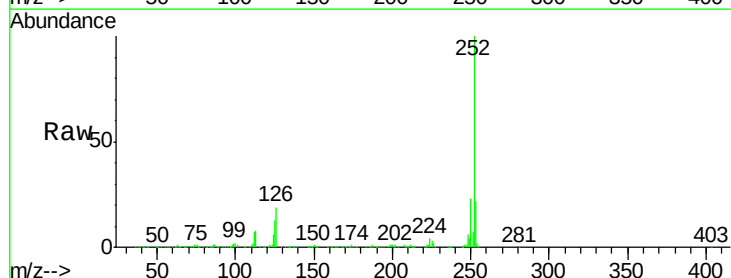
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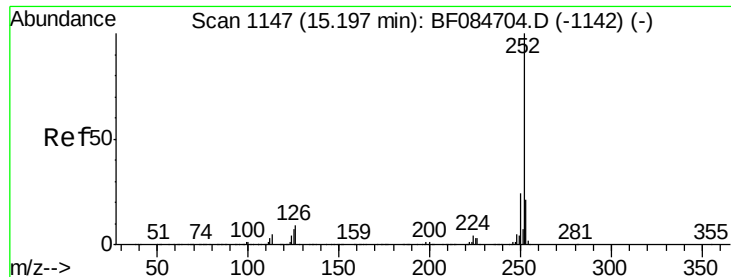
mohammad
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#88
Benzo(k)fluoranthene
Concen: 48.09 ng m
RT: 14.85 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	12.6	9.0	13.6





#89

Benzo(a)pyrene

Concen: 45.22 ng

RT: 15.15 min Scan# 1143

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

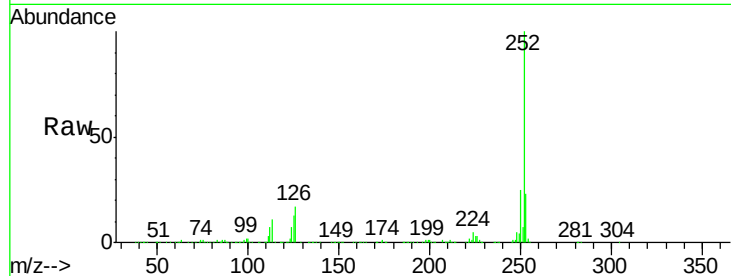
ClientSampleId :

SUP-B005(34-36)MSD

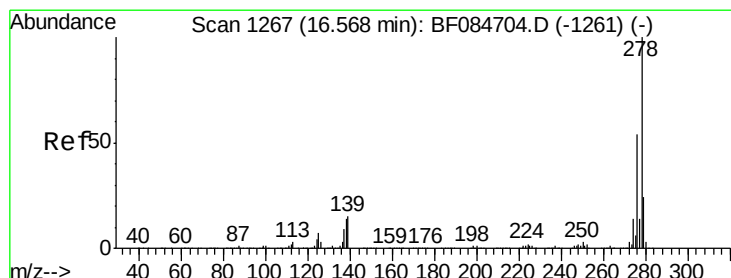
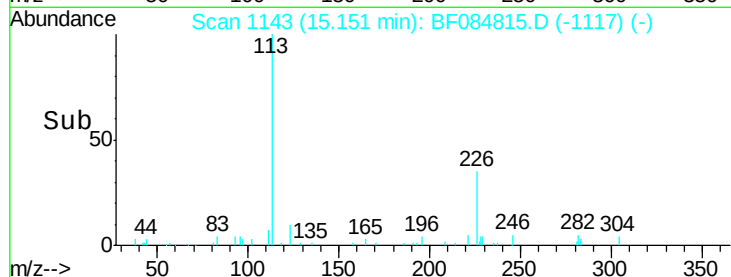
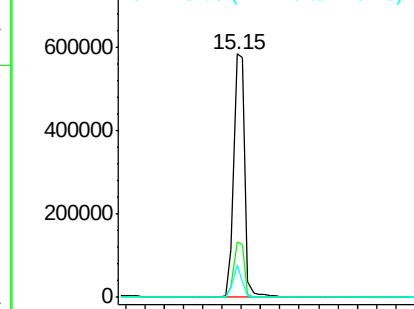
Tot Ion:	252	Resp:	924404
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.3	25.9
125	13.3	7.0	10.4

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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



#90

Dibenzo(a,h)anthracene

Concen: 49.78 ng

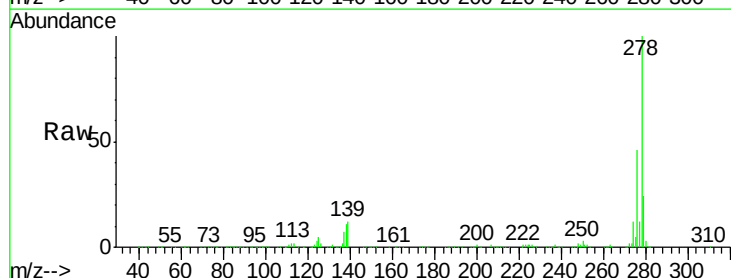
RT: 16.52 min Scan# 1263

Delta R.T. 0.01 min

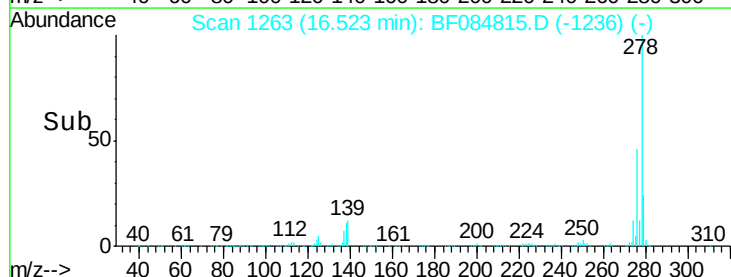
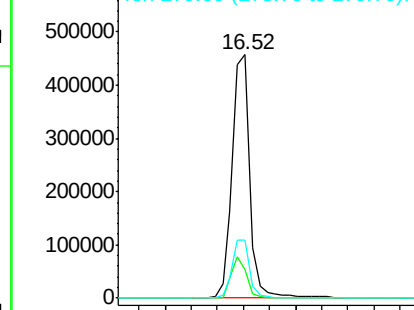
Lab File: BF084815.D

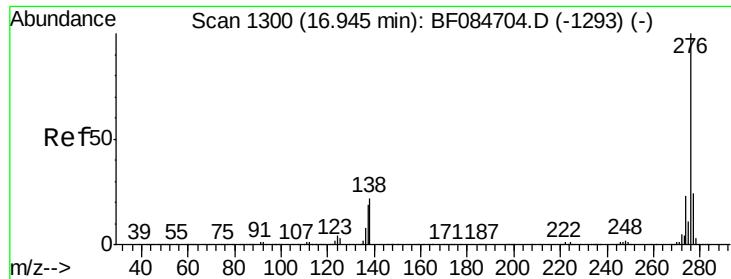
Acq: 4 Feb 2016 5:32

Tgt Ion:	278	Resp:	856610
Ion Ratio		Lower	Upper
278	100		
139	11.9	15.0	22.4
279	23.6	18.9	28.3



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 51.03 ng
 RT: 16.89 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	22.9	17.8	26.6

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