

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010917\
 Data File : BF092139.D
 Acq On : 9 Jan 2017 15:32
 Operator : UM/SJ
 Sample : I1073-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L-SWITCH-SP-0-2-COMPMSD

Quant Time: Jan 09 16:19:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	187167	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	800209	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	406578	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	662571	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	456885	20.00	ng	0.00
86) Perylene-d12	15.15	264	408712	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.25	112	1527040	136.23	ng	0.01
7) Phenol-d6	6.31	99	1980719	144.73	ng	0.00
23) Nitrobenzene-d5	7.21	82	1388951	96.52	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	520165	154.59	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	2257820	118.93	ng	0.00
78) Terphenyl-d14	12.73	244	1827118	96.99	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.16	88	274071	49.66	ng	96
3) Pyridine	2.80	79	636482	33.05	ng	96
4) n-Nitrosodimethylamine	2.76	42	344461	47.41	ng	99
6) Aniline	6.30	93	698902	39.32	ng	# 48
8) 2-Chlorophenol	6.42	128	609238	47.78	ng	96
9) Benzaldehyde	6.17	77	51576	4.86	ng	99
10) Phenol	6.32	94	756964	48.54	ng	# 77
11) bis(2-Chloroethyl)ether	6.38	93	681619	54.93	ng	100
12) 1,3-Dichlorobenzene	6.65	146	645691	47.44	ng	97
13) 1,4-Dichlorobenzene	6.65	146	645691	46.60	ng	94
14) 1,2-Dichlorobenzene	6.80	146	527909	43.91	ng	97
15) Benzyl Alcohol	6.79	79	499975	47.02	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.93	45	842020	45.57	ng	# 31
17) 2-Methylphenol	6.93	107	508871	49.62	ng	# 89
18) Hexachloroethane	7.14	117	239820	46.69	ng	99
19) n-Nitroso-di-n-propylamine	7.06	70	433581	47.62	ng	98
20) 3+4-Methylphenols	7.09	107	707545	57.85	ng	# 72
22) Acetophenone	7.05	105	907298	45.97	ng	93
24) Nitrobenzene	7.22	77	631438	41.20	ng	97
25) Isophorone	7.48	82	1270010	47.83	ng	99
26) 2-Nitrophenol	7.54	139	365009	48.29	ng	91
27) 2,4-Dimethylphenol	7.60	122	518351	41.35	ng	99
28) bis(2-Chloroethoxy)methane	7.68	93	747539	46.43	ng	99
29) 2,4-Dichlorophenol	7.80	162	508901	47.94	ng	89
30) 1,2,4-Trichlorobenzene	7.86	180	511940	44.01	ng	# 95
31) Naphthalene	7.94	128	1797265	49.07	ng	99
32) Benzoic acid	7.76	122	314440	33.82	ng	99
33) 4-Chloroaniline	8.00	127	474014	28.70	ng	99
34) Hexachlorobutadiene	8.07	225	289737	47.18	ng	98
35) Caprolactam	8.39	113	106630	30.57	ng	# 68
36) 4-Chloro-3-methylphenol	8.52	107	568363	46.53	ng	99
37) 2-Methylnaphthalene	8.63	142	1157485	58.37	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	455524	44.34	ng	# 98
40) Hexachlorocyclopentadiene	8.79	237	413241	89.82	ng	97

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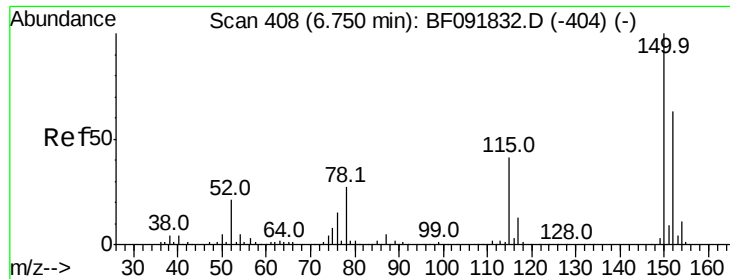
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 2,4,6-Trichlorophenol	8.93	196	342798	47.72	nq	96
43) 2,4,5-Trichlorophenol	8.98	196	326726	44.19	nq	# 82
45) 1,1'-Biphenyl	9.10	154	1329227	47.75	nq	96
46) 2-Chloronaphthalene	9.12	162	997692	45.25	nq	94
47) 2-Nitroaniline	9.22	65	361714	46.08	nq	96
48) Acenaphthylene	9.53	152	1530926	45.15	nq	99
49) Dimethylphthalate	9.42	163	1479690	56.90	nq	99
50) 2,6-Dinitrotoluene	9.48	165	290354	51.01	nq	# 83
51) Acenaphthene	9.70	154	962781	41.88	nq	99
52) 3-Nitroaniline	9.65	138	221106	31.39	nq	# 72
53) 2,4-Dinitrophenol	9.75	184	239642	75.67	nq	# 53
54) Dibenzofuran	9.88	168	1368574	44.09	nq	98
55) 4-Nitrophenol	9.84	139	457412	95.64	nq	99
56) 2,4-Dinitrotoluene	9.88	165	324888	45.48	nq	# 72
57) Fluorene	10.22	166	1006504	44.57	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.01	232	286991	49.08	nq	98
59) Diethylphthalate	10.12	149	1284611	50.87	nq	96
60) 4-Chlorophenyl-phenylether	10.22	204	516561	52.24	nq	# 86
61) 4-Nitroaniline	10.26	138	330623	45.30	nq	84
62) Azobenzene	10.38	77	1465182	52.69	nq	90
64) 4,6-Dinitro-2-methylphenol	10.29	198	180837	45.14	nq	# 60
65) n-Nitrosodiphenylamine	10.34	169	1069933	54.42	nq	100
66) 4-Bromophenyl-phenylether	10.70	248	324773	47.12	nq	96
67) Hexachlorobenzene	10.77	284	345848	46.95	nq	# 93
68) Atrazine	10.88	200	329622	51.97	nq	92
69) Pentachlorophenol	10.97	266	355492	98.34	nq	100
70) Phenanthrene	11.18	178	1776183	49.44	nq	99
71) Anthracene	11.22	178	1588733	53.16	nq	99
72) Carbazole	11.38	167	1528942	62.68	nq	99
73) Di-n-butylphthalate	11.73	149	1916757	57.44	nq	99
74) Fluoranthene	12.36	202	1575121	50.43	nq	98
76) Benzidine	12.48	184	568919	50.24	nq	98
77) Pyrene	12.59	202	1703769	50.83	nq	100
79) Butylbenzylphthalate	13.21	149	751817	49.31	nq	99
80) Benzo(a)anthracene	13.77	228	1318540	51.13	nq	99
81) 3,3'-Dichlorobenzidine	13.74	252	372485	38.09	nq	97
82) Chrysene	13.81	228	1215644	46.99	nq	99
83) Bis(2-ethylhexyl)phthalate	13.79	149	1004111	55.92	nq	# 95
84) Di-n-octyl phthalate	14.39	149	1810287	54.43	nq	100
85) Indeno(1,2,3-cd)pyrene	16.43	276	1109533	49.51	nq	99
87) Benzo(b)fluoranthene	14.80	252	2293888	90.15	nq	99
88) Benzo(k)fluoranthene	14.80	252	2293888	105.72	nq	99
89) Benzo(a)pyrene	15.10	252	1108872	49.10	nq	# 97
90) Dibenzo(a,h)anthracene	16.44	278	903266	48.66	nq	96
91) Benzo(g,h,i)perylene	16.80	276	943687	48.89	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

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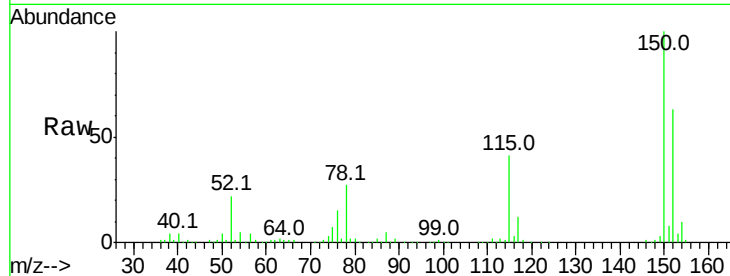
Tot Ion:152 Resp: 187167

Ion Ratio Lower Upper

152 100

150 159.6 124.9 187.3

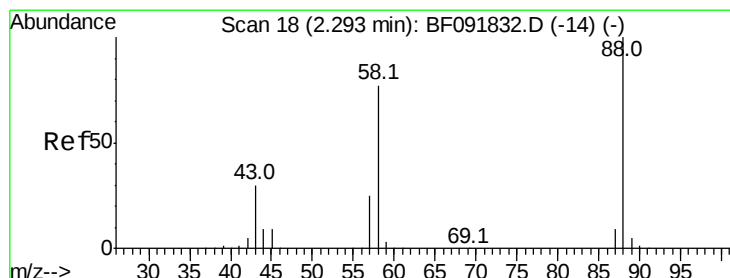
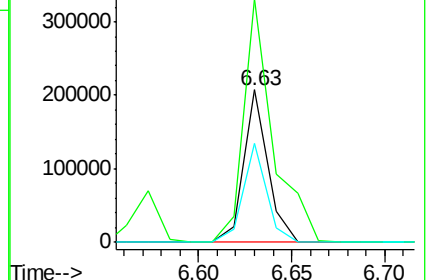
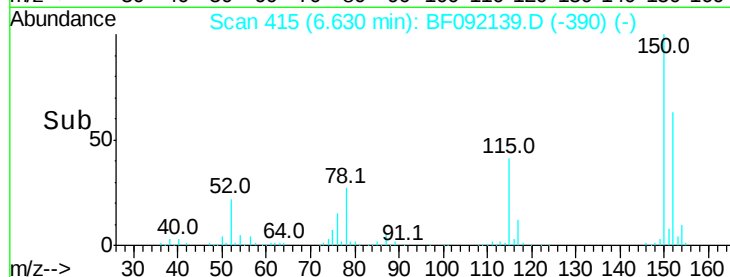
115 65.0 46.0 69.0



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: 49.66 ng

RT: 2.16 min Scan# 24

Delta R.T. 0.08 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

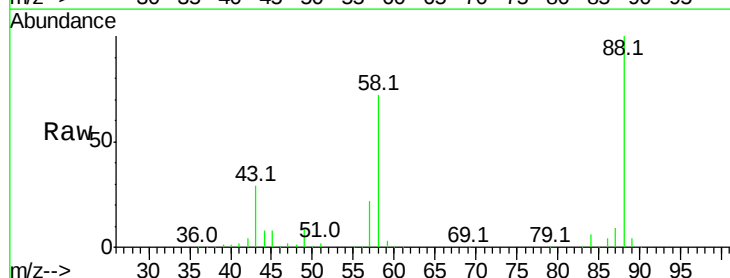
Tgt Ion: 88 Resp: 274071

Ion Ratio Lower Upper

88 100

58 74.9 57.8 86.8

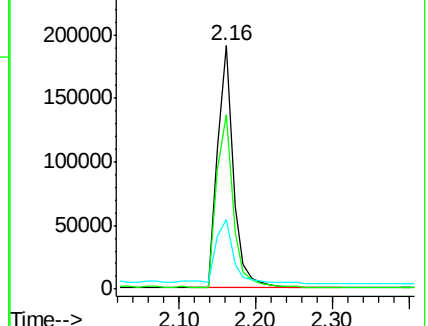
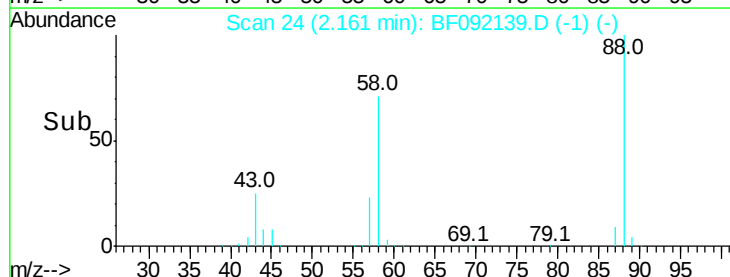
43 30.9 22.3 33.5

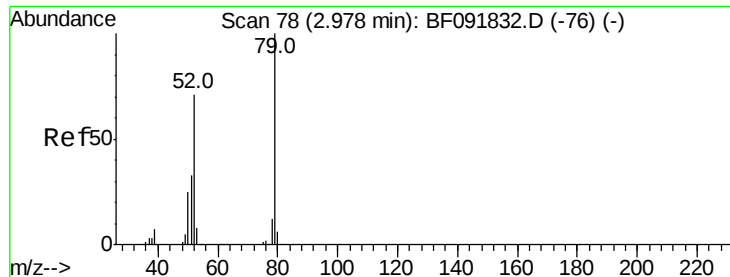


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

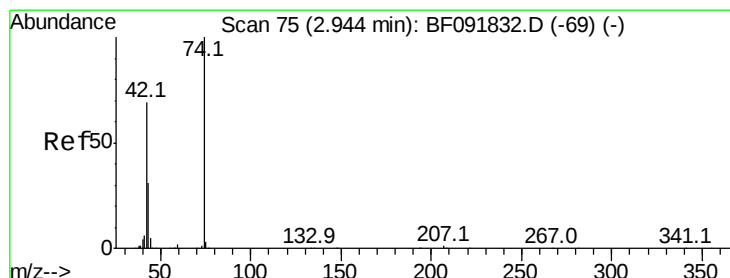
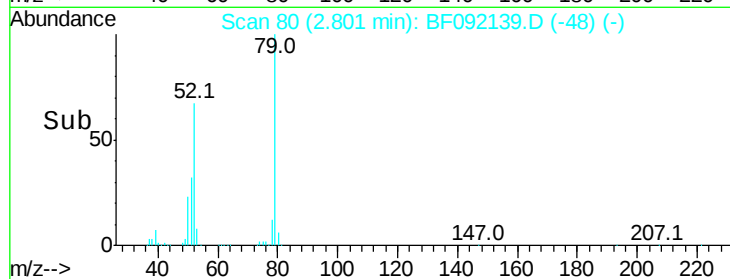
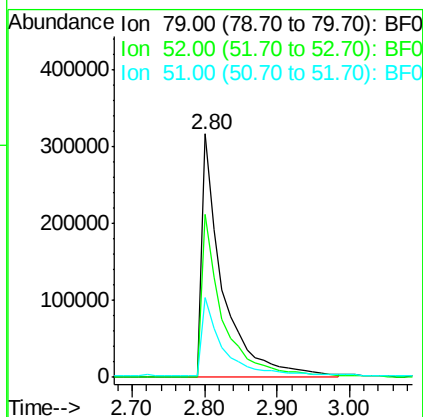
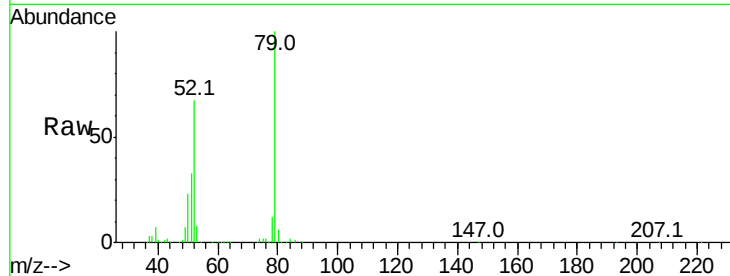




#3
 Pvridine
 Concen: 33.05 ng
 RT: 2.80 min Scan# 80
 Delta R.T. 0.07 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

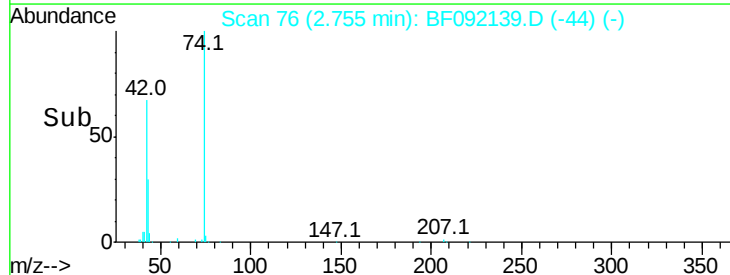
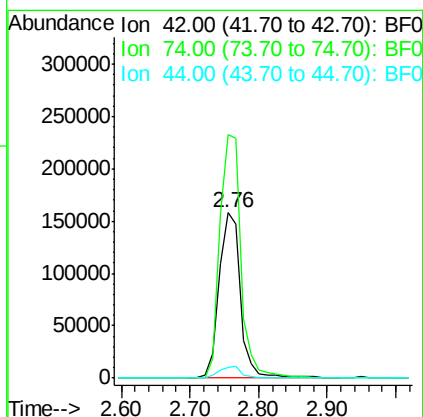
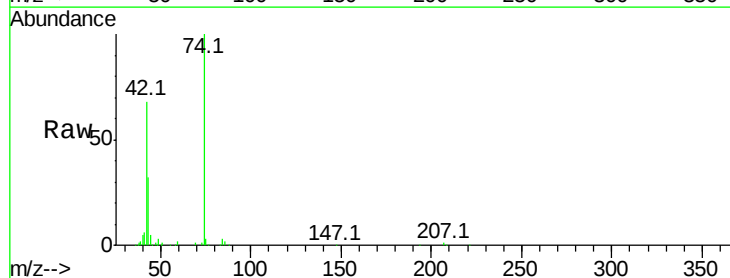
Instrument :
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 L-SWITCH-SP-0-2-COMPMSD

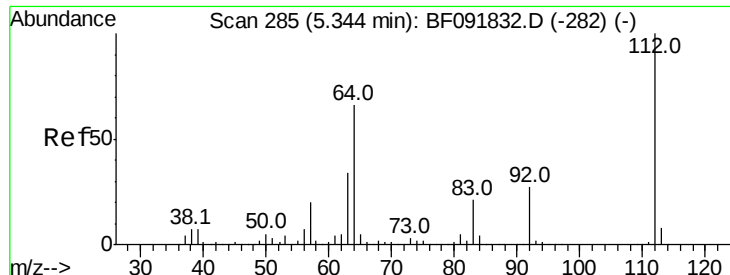
Tot Ion: 79 Resp: 636482
 Ion Ratio Lower Upper
 79 100
 52 67.1 57.1 85.7
 51 32.9 27.3 40.9



#4
 n-Nitrosodimethylamine
 Concen: 47.41 ng
 RT: 2.76 min Scan# 76
 Delta R.T. 0.07 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Tgt Ion: 42 Resp: 344461
 Ion Ratio Lower Upper
 42 100
 74 147.6 117.0 175.4
 44 6.8 5.5 8.3





#5

2-Fluorophenol

Concen: 136.23 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

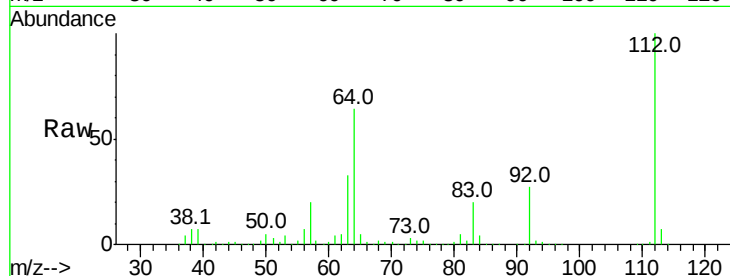
Tot Ion:112 Resp: 1527040

Ion Ratio Lower Upper

112 100

64 64.1 46.1 69.1

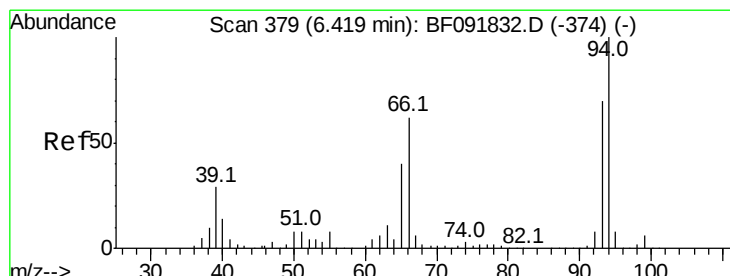
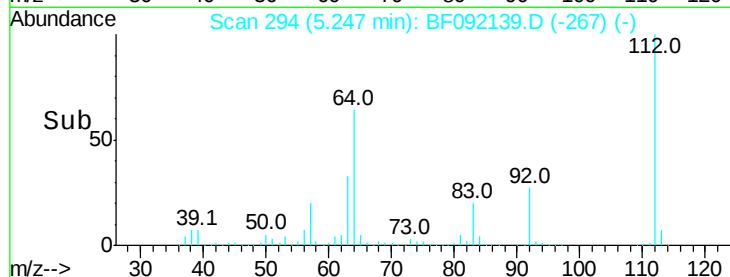
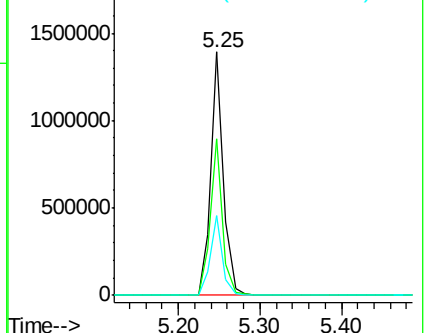
63 32.9 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 39.32 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

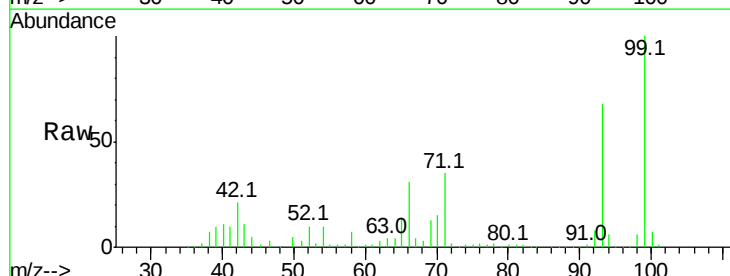
Tgt Ion: 93 Resp: 698902

Ion Ratio Lower Upper

93 100

66 45.8 76.2 114.2#

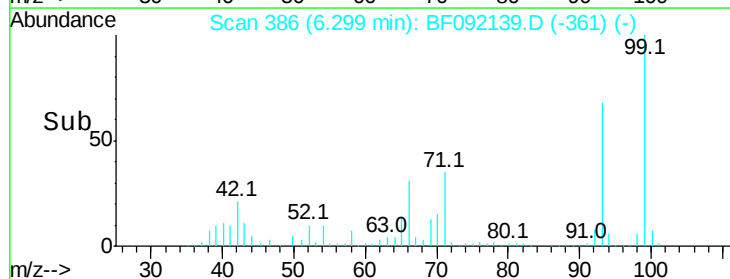
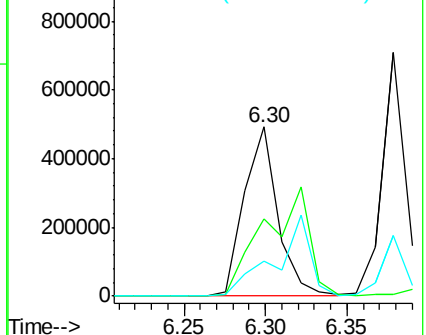
65 20.9 49.3 73.9#



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: 144.73 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

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ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

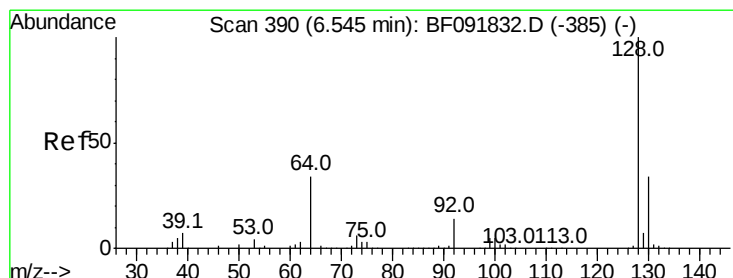
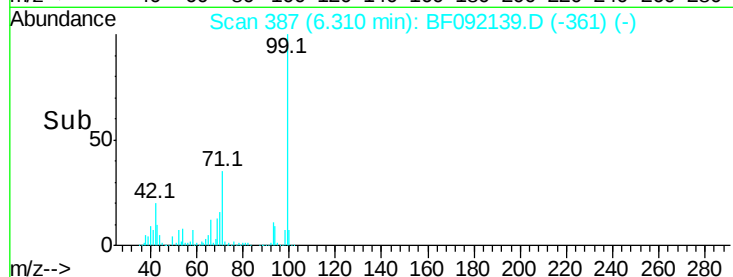
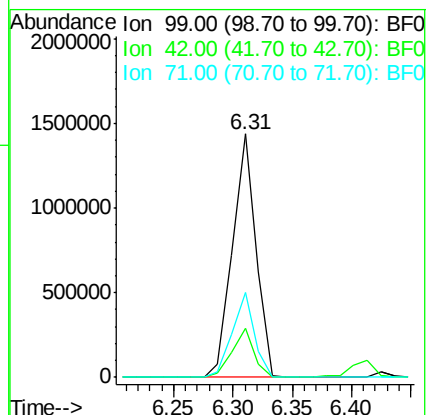
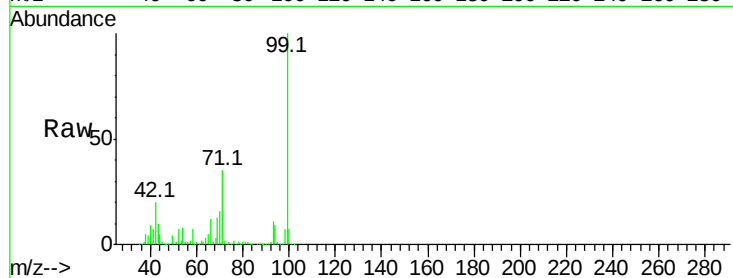
Tot Ion: 99 Resp: 1980719

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

71 34.8 27.5 41.3



#8

2-Chlorophenol

Concen: 47.78 ng

RT: 6.42 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

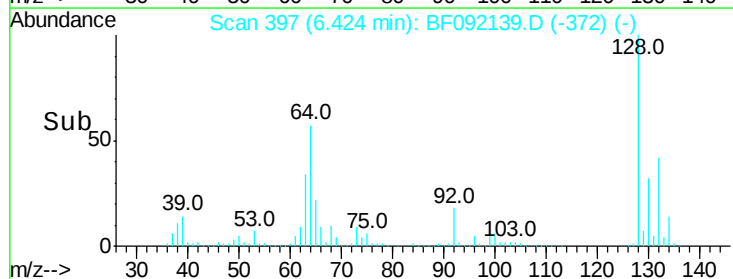
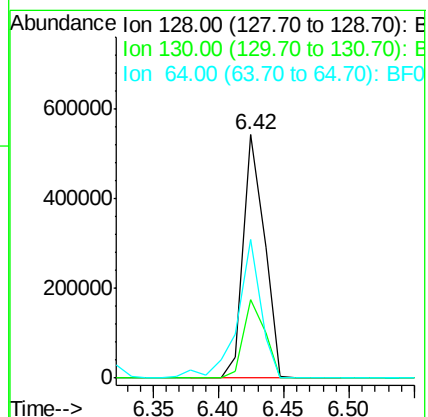
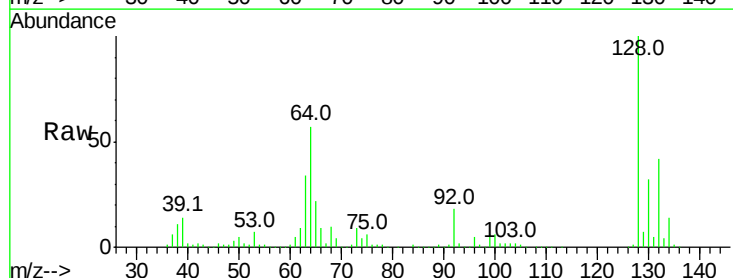
Tgt Ion:128 Resp: 609238

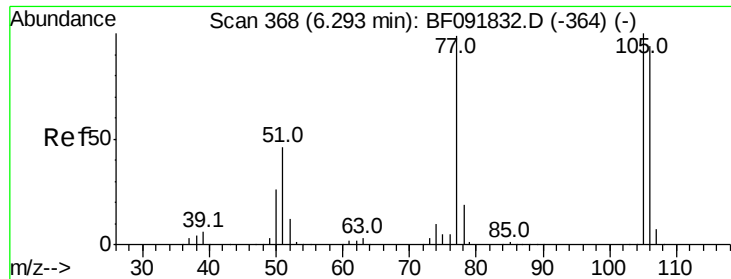
Ion Ratio Lower Upper

128 100

130 32.0 12.3 52.3

64 57.1 32.2 72.2

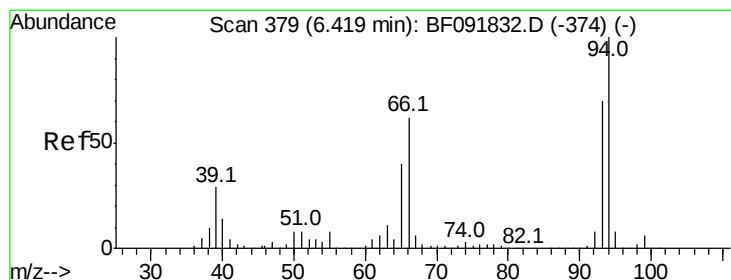
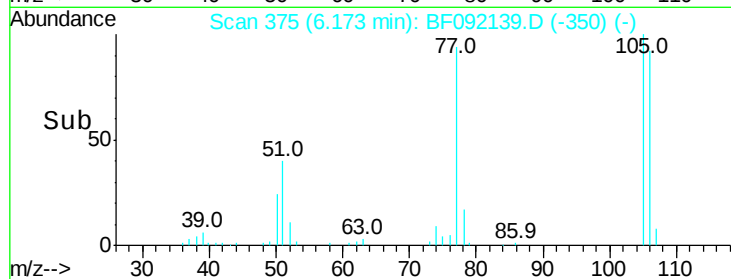
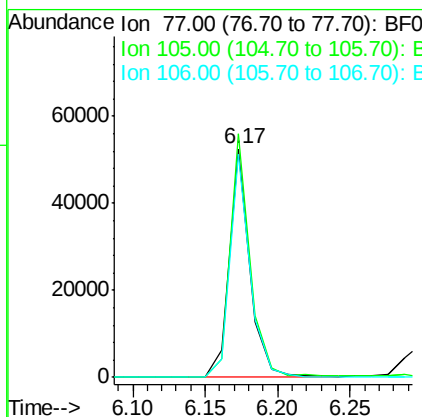
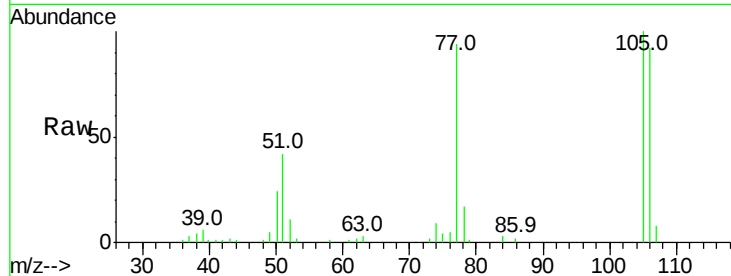




#9
Benzaldehyde
Concen: 4.86 ng
RT: 6.17 min Scan# 375
Delta R.T. -0.01 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

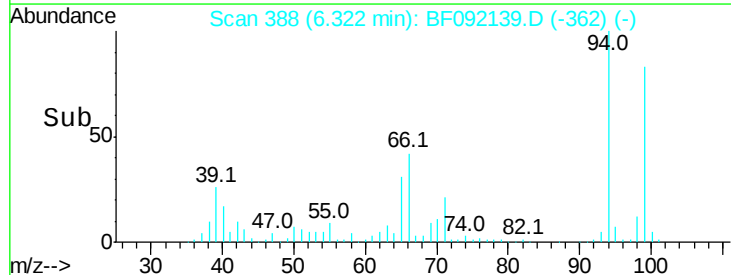
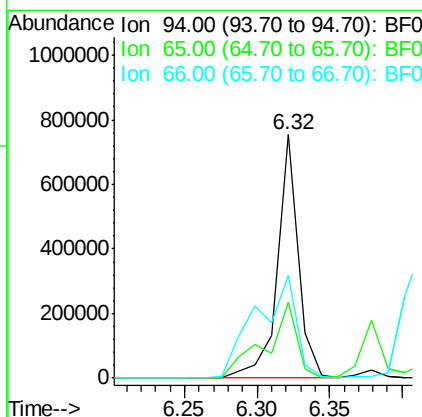
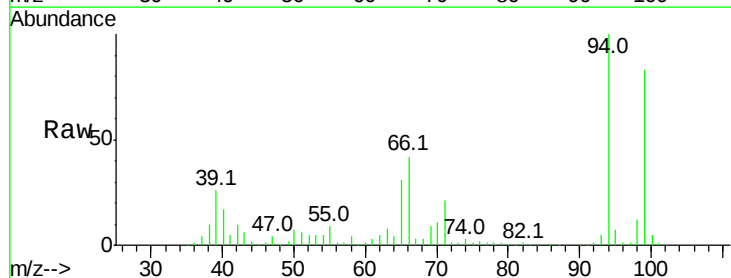
Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

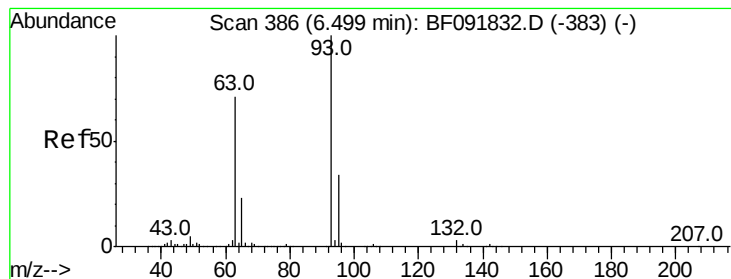
Tot Ion: 77 Resp: 51576
Ion Ratio Lower Upper
77 100
105 106.4 83.9 123.9
106 97.5 77.6 117.6



#10
Phenol
Concen: 48.54 ng
RT: 6.32 min Scan# 388
Delta R.T. 0.00 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Tgt Ion: 94 Resp: 756964
Ion Ratio Lower Upper
94 100
65 31.1 21.4 61.4
66 42.2 44.0 84.0#

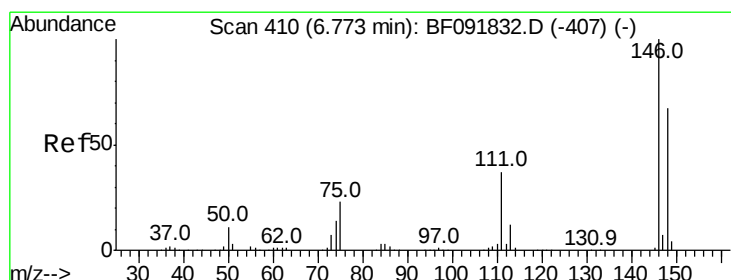
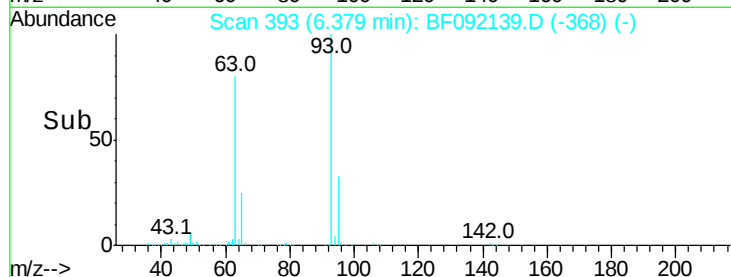
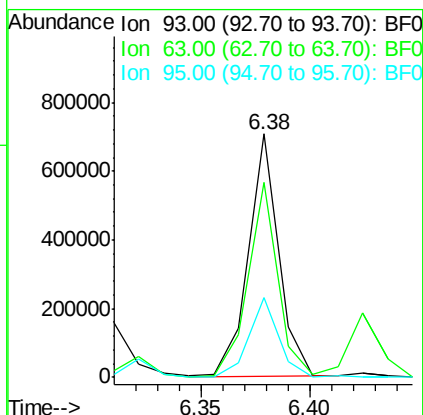
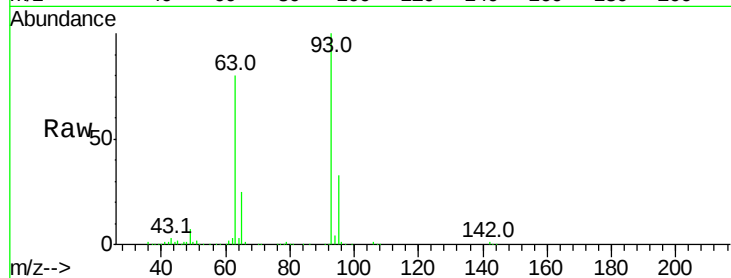




#11
bis(2-Chloroethyl)ether
Concen: 54.93 ng
RT: 6.38 min Scan# 393
Delta R.T. -0.01 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

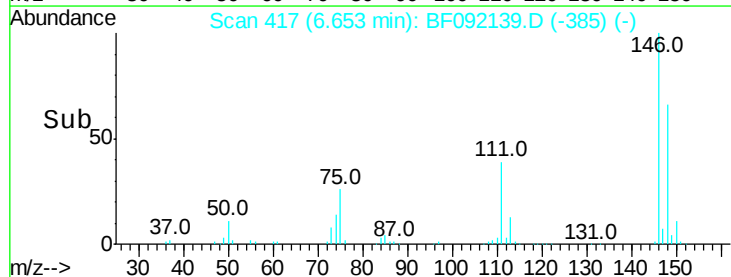
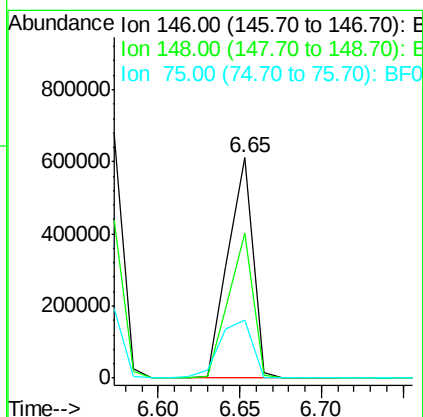
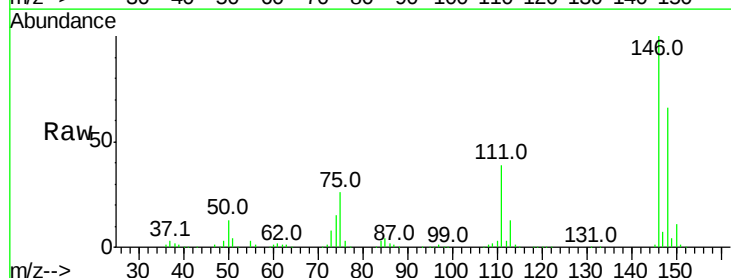
Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

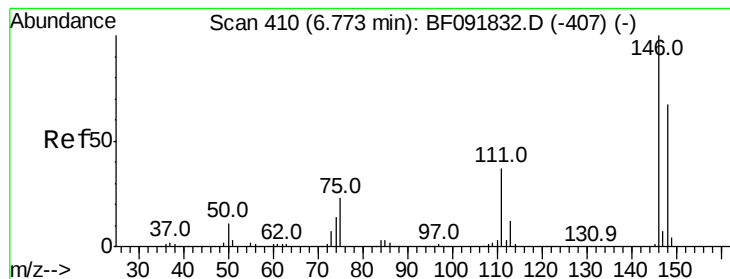
Tot Ion: 93 Resp: 681619
Ion Ratio Lower Upper
93 100
63 80.1 60.4 100.4
95 32.8 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 47.44 ng
RT: 6.65 min Scan# 417
Delta R.T. 0.07 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Tgt Ion: 146 Resp: 645691
Ion Ratio Lower Upper
146 100
148 65.7 53.4 80.0
75 26.2 18.5 27.7





#13

1,4-Dichlorobenzene

Concen: 46.60 ng

RT: 6.65 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

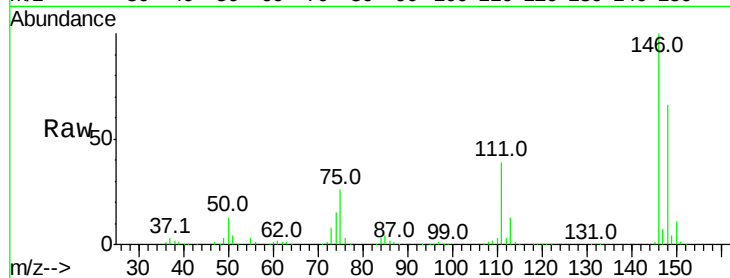
Tot Ion:146 Resp: 645691

Ion Ratio Lower Upper

146 100

148 65.7 50.6 76.0

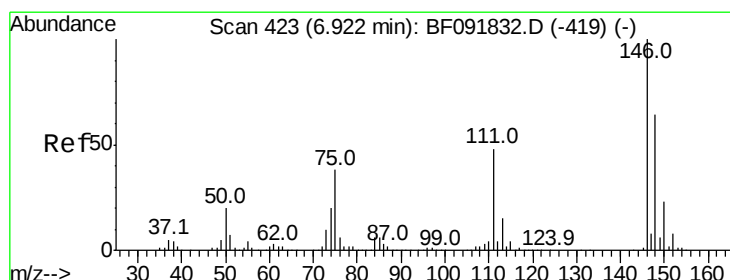
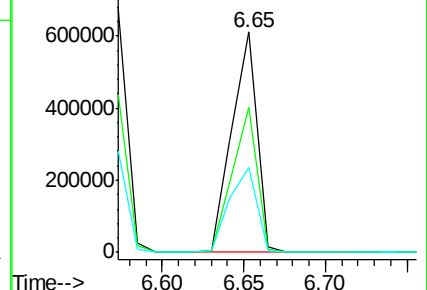
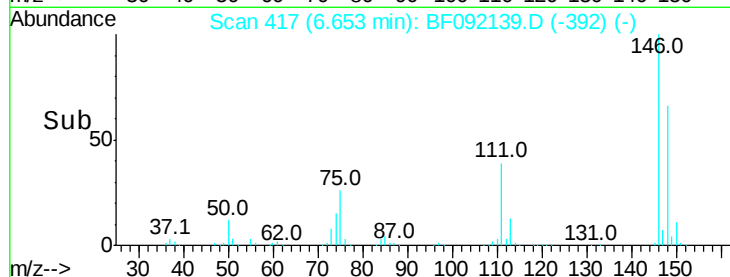
111 38.8 36.2 54.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 43.91 ng

RT: 6.80 min Scan# 430

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

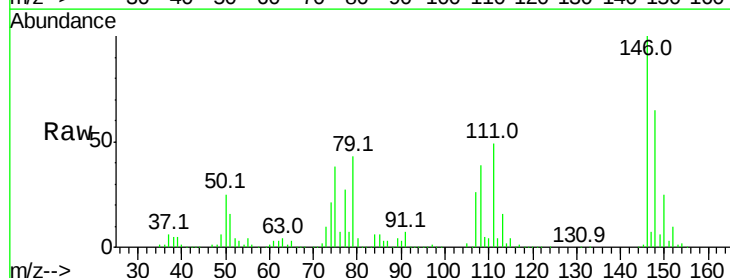
Tgt Ion:146 Resp: 527909

Ion Ratio Lower Upper

146 100

148 64.7 52.2 78.2

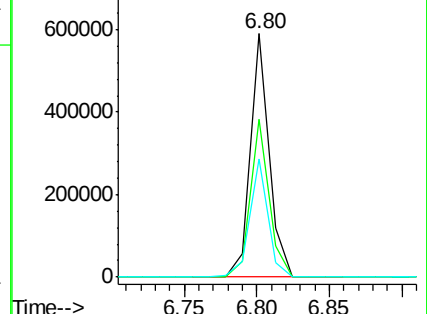
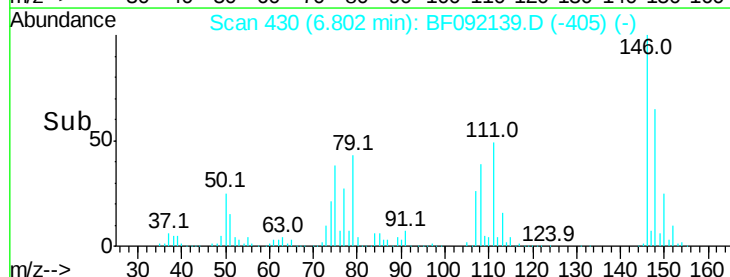
111 48.7 36.2 54.2

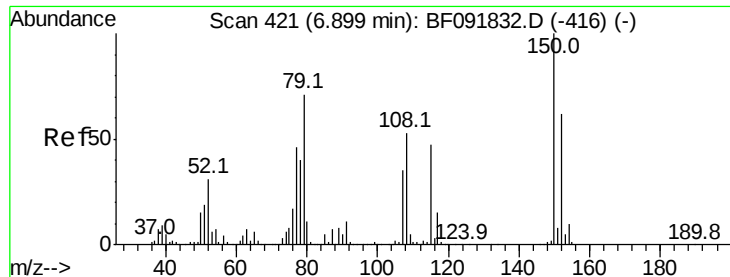


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 47.02 ng

RT: 6.79 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

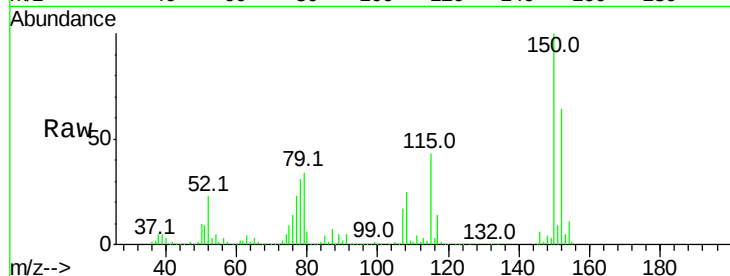
Tot Ion: 79 Resp: 499975

Ion Ratio Lower Upper

79 100

108 73.5 61.4 92.0

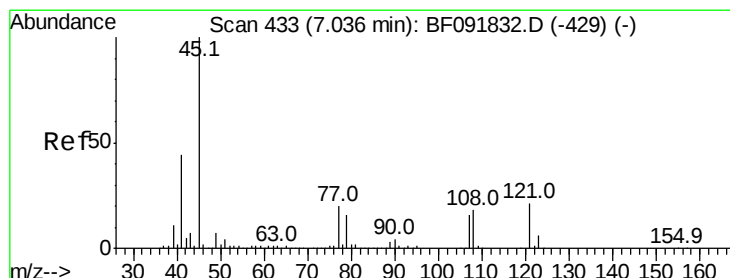
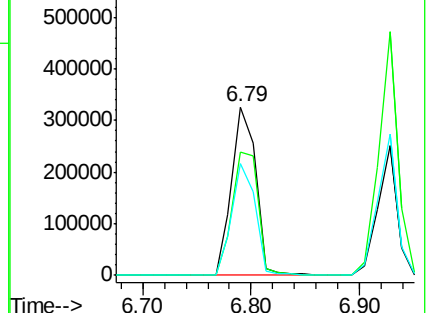
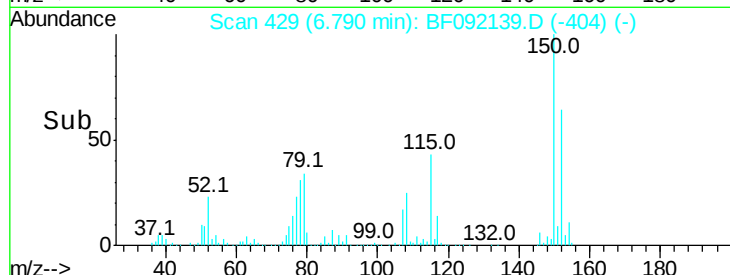
77 66.4 50.9 76.3



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.57 ng

RT: 6.93 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

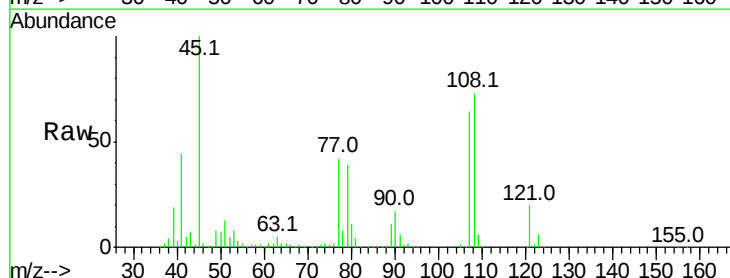
Tgt Ion: 45 Resp: 842020

Ion Ratio Lower Upper

45 100

77 42.0 0.0 34.6#

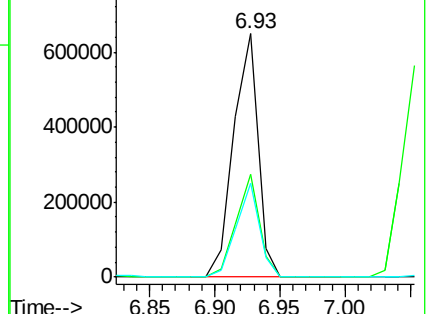
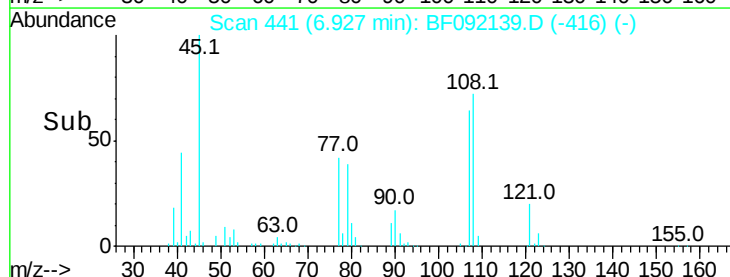
79 38.7 0.0 31.2#

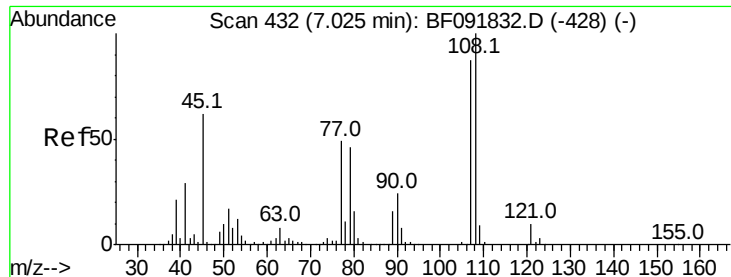


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

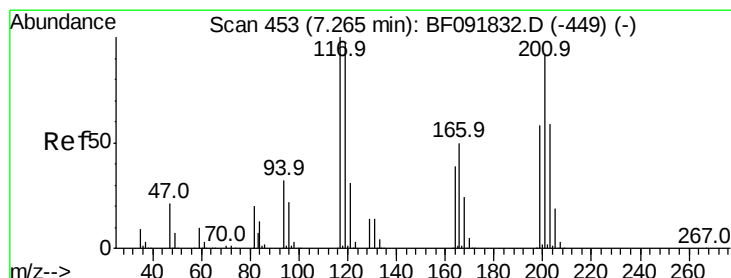
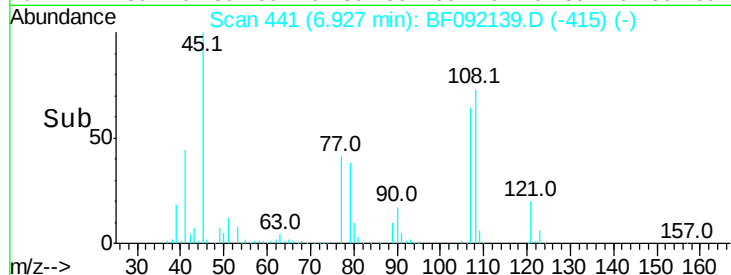
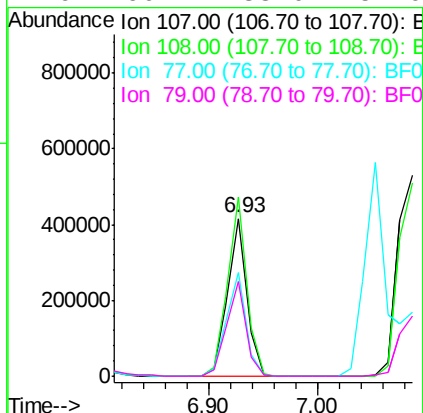
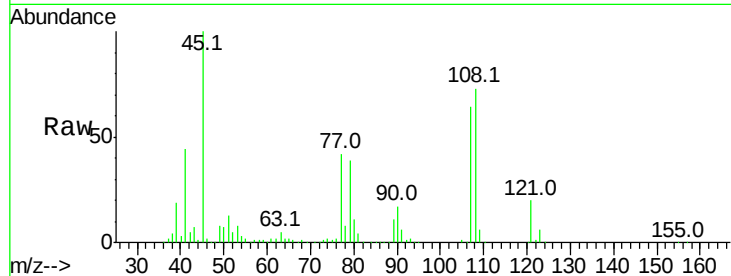




#17
2-Methylphenol
Concen: 49.62 ng
RT: 6.93 min Scan# 441
Delta R.T. 0.00 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

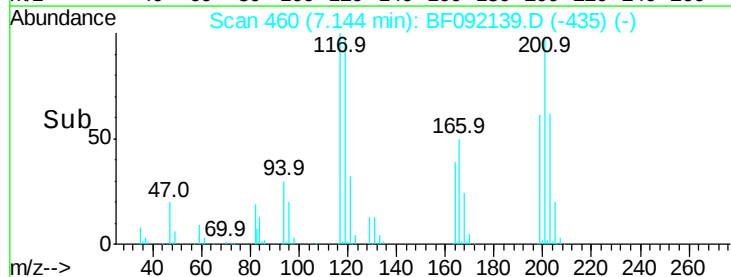
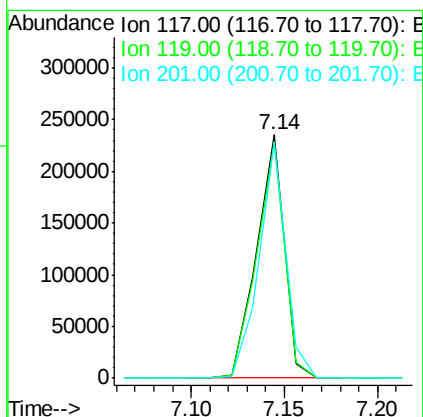
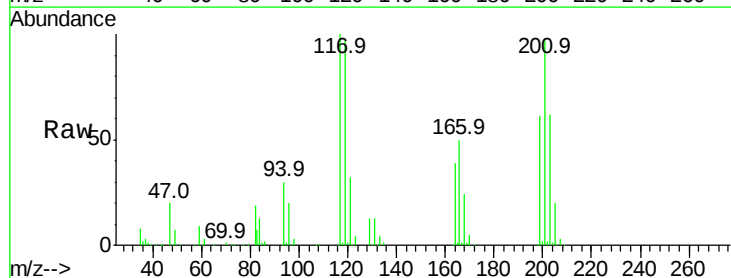
Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	113.1	93.0	139.6
77	65.4	39.8	59.8#
79	60.2	38.0	57.0#



#18
Hexachloroethane
Concen: 46.69 ng
RT: 7.14 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.1	117.1
201	97.1	78.6	117.8





#19

n-Nitroso-di-n-propylamine

Concen: 47.62 ng

RT: 7.06 min Scan# 453

Delta R.T. -0.01 min

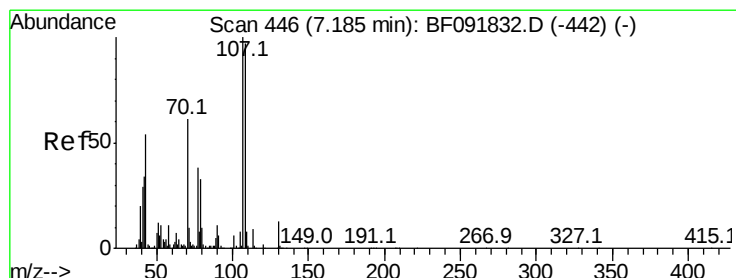
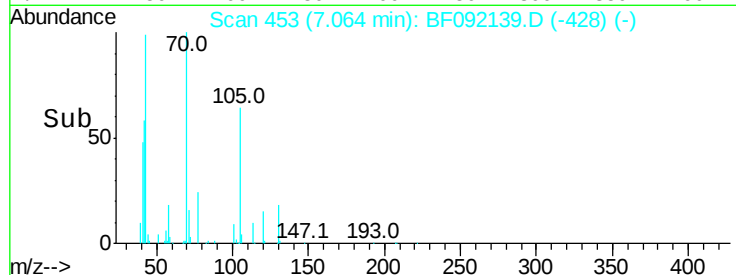
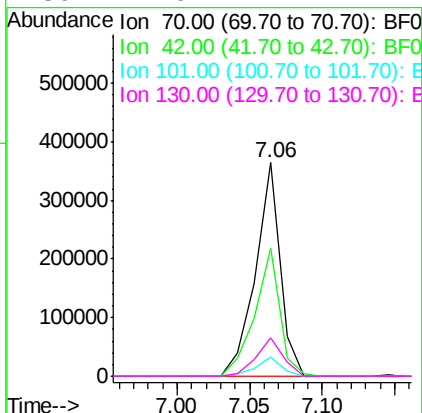
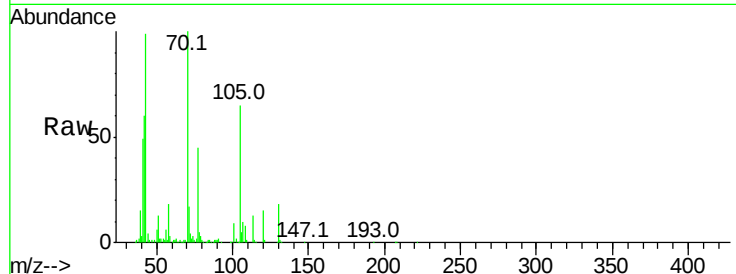
Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

Tot Ion: 70 Resp: 433581

Ion	Ratio	Lower	Upper
70	100		
42	60.0	49.4	74.0
101	8.9	7.4	11.2
130	17.9	14.2	21.4



#20

3+4-Methylphenols

Concen: 57.85 ng

RT: 7.09 min Scan# 455

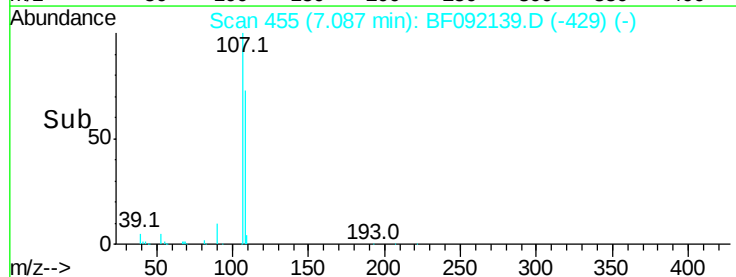
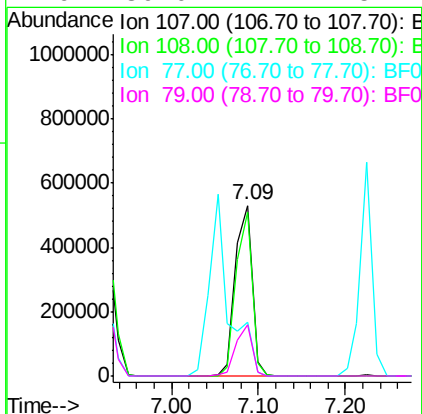
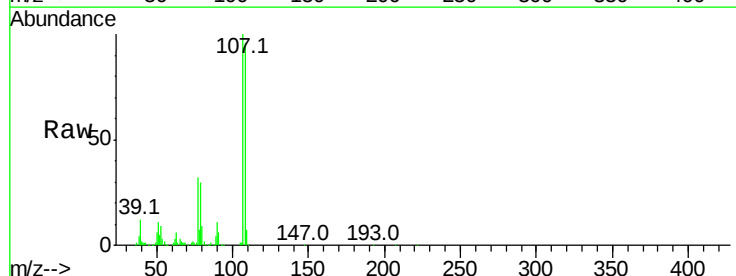
Delta R.T. 0.00 min

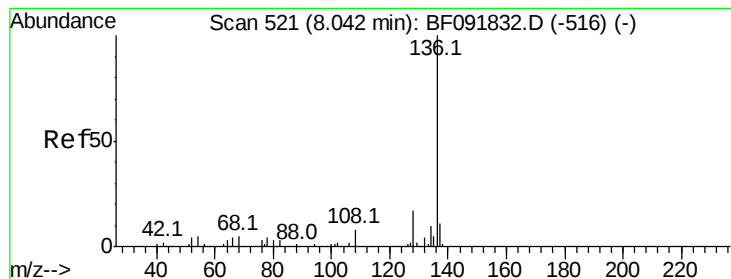
Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Tgt Ion: 107 Resp: 707545

Ion	Ratio	Lower	Upper
107	100		
108	96.2	73.0	113.0
77	31.6	71.3	111.3
79	30.0	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

Tot Ion:136 Resp: 800209

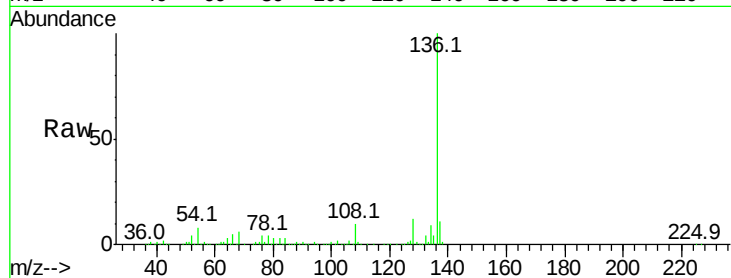
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 7.8 4.5 6.7#

68 5.8 3.6 5.4#

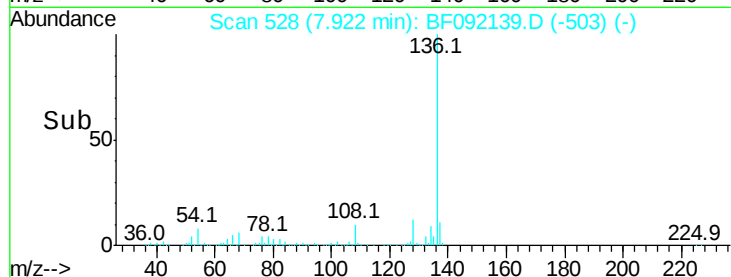


Abundance Ion 136.00 (135.70 to 136.70): E

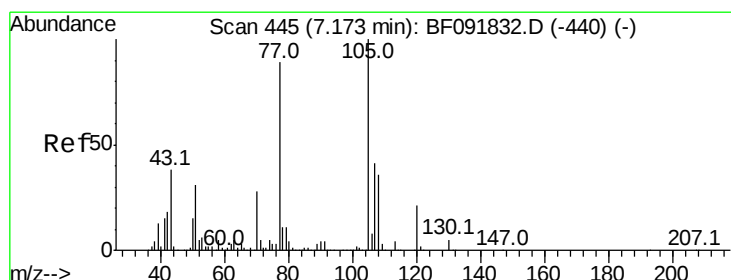
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 45.97 ng

RT: 7.05 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Tgt Ion:105 Resp: 907298

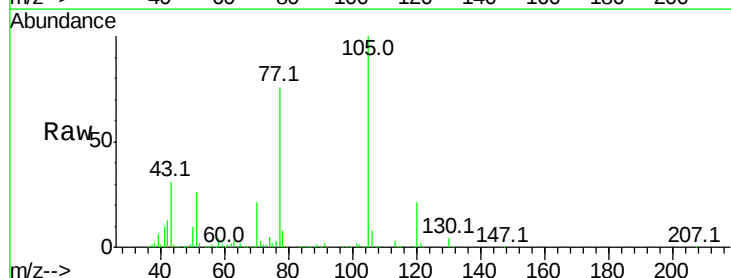
Ion Ratio Lower Upper

105 100

71 3.5 3.2 4.8

51 26.3 26.2 39.4

120 20.9 16.6 24.8

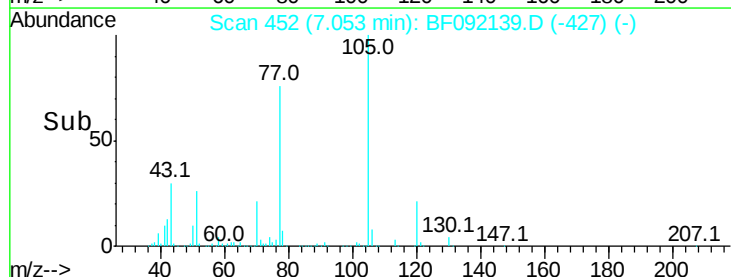


Abundance Ion 105.00 (104.70 to 105.70): E

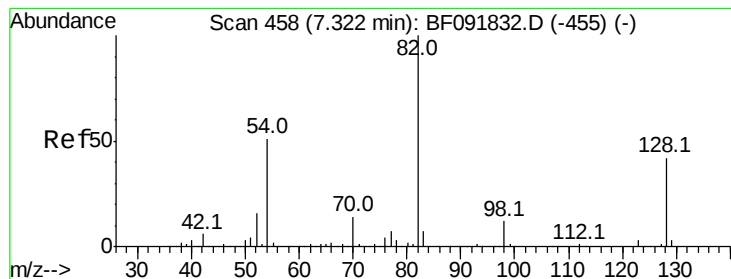
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->



#23

Nitrobenzene-d5

Concen: 96.52 ng

RT: 7.21 min Scan# 466

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

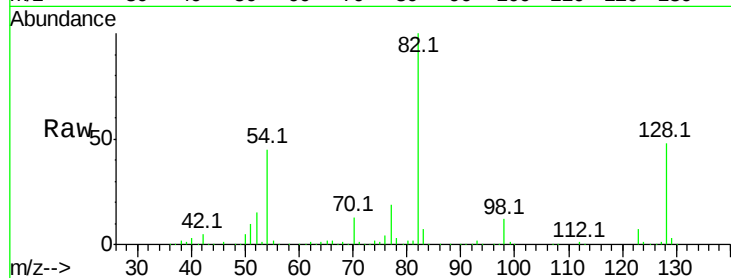
Tot Ion: 82 Resp: 1388951

Ion Ratio Lower Upper

82 100

128 47.8 34.6 52.0

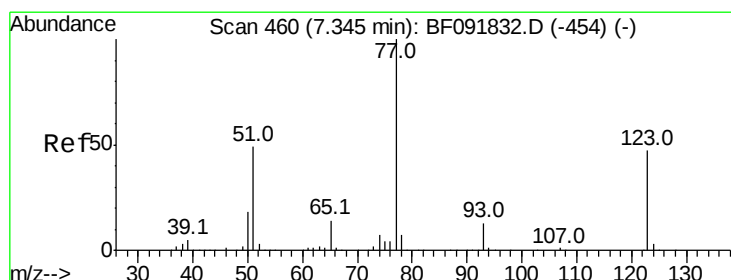
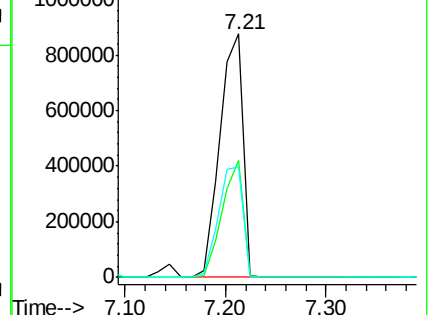
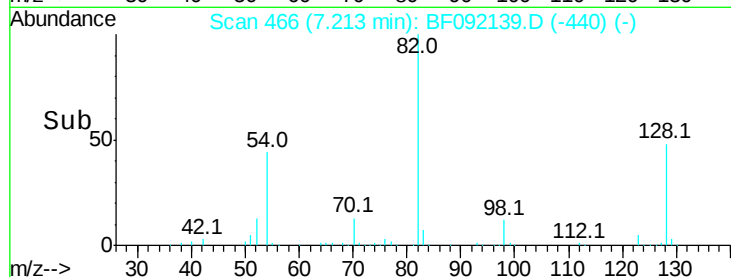
54 45.4 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 41.20 ng

RT: 7.22 min Scan# 467

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

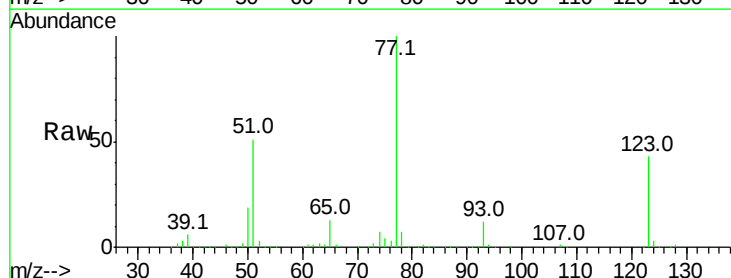
Tgt Ion: 77 Resp: 631438

Ion Ratio Lower Upper

77 100

123 43.4 33.0 49.4

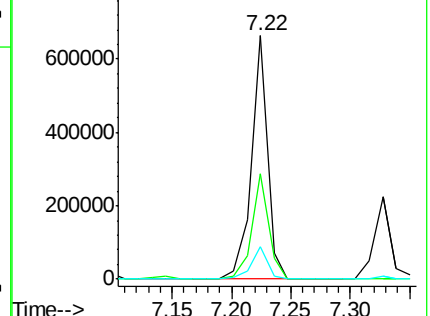
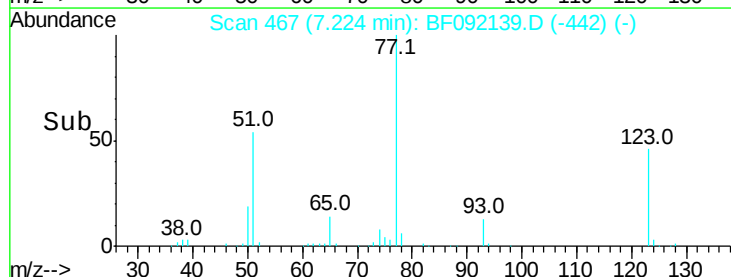
65 13.2 11.2 16.8

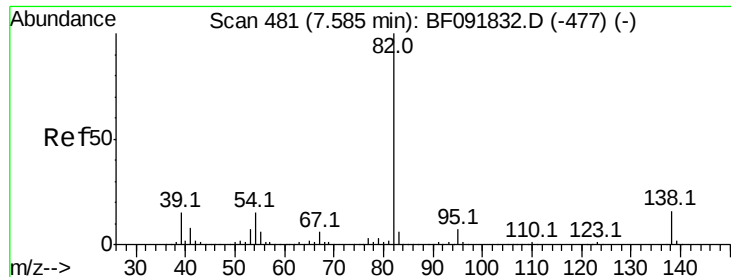


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 47.83 ng

RT: 7.48 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

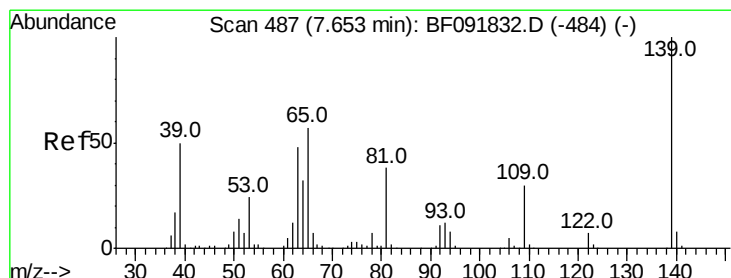
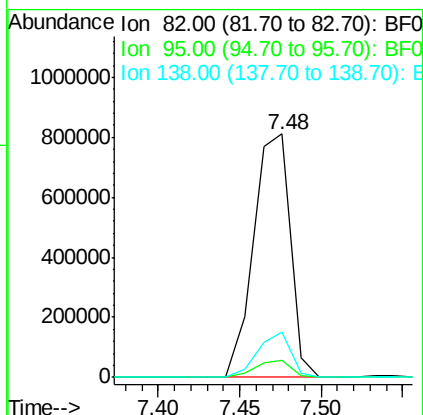
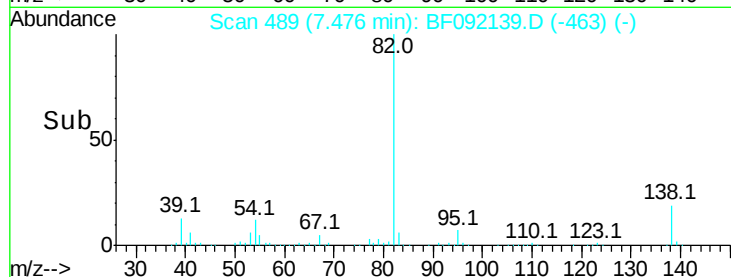
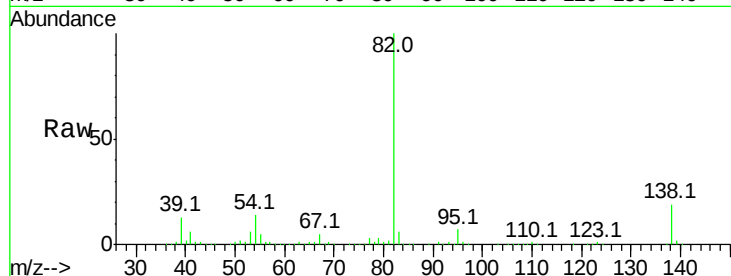
Tot Ion: 82 Resp: 1270010

Ion Ratio Lower Upper

82 100

95 6.8 5.6 8.4

138 18.8 14.6 22.0



#26

2-Nitrophenol

Concen: 48.29 ng

RT: 7.54 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

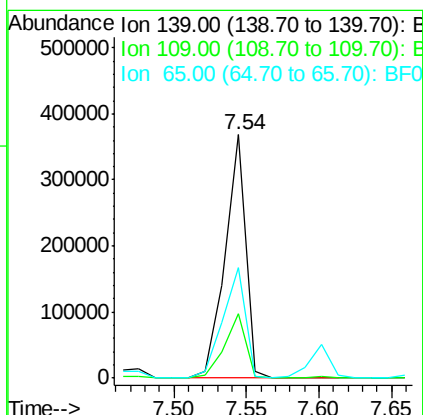
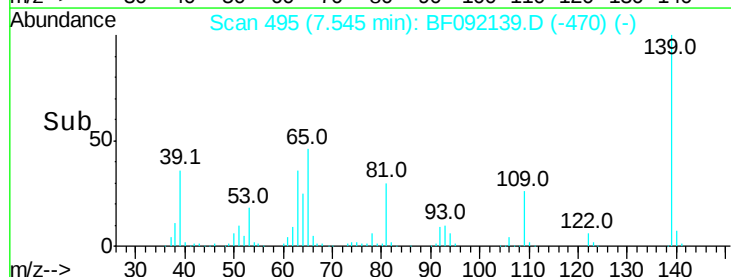
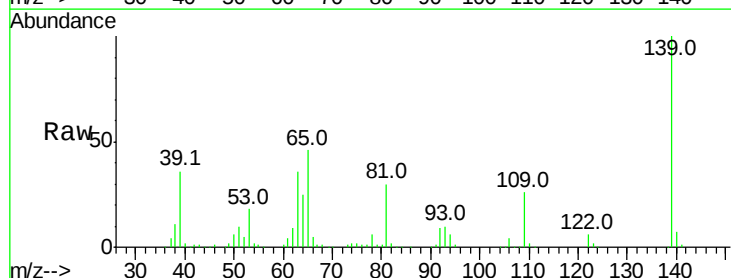
Tgt Ion:139 Resp: 365009

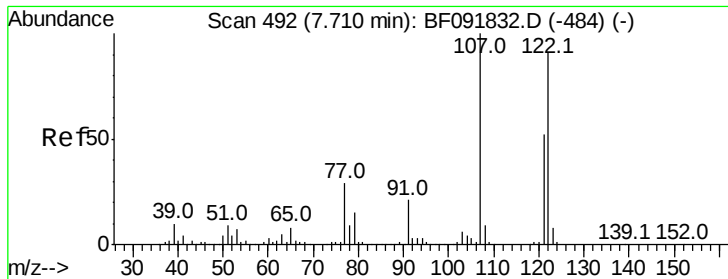
Ion Ratio Lower Upper

139 100

109 26.4 23.3 34.9

65 45.5 42.7 64.1

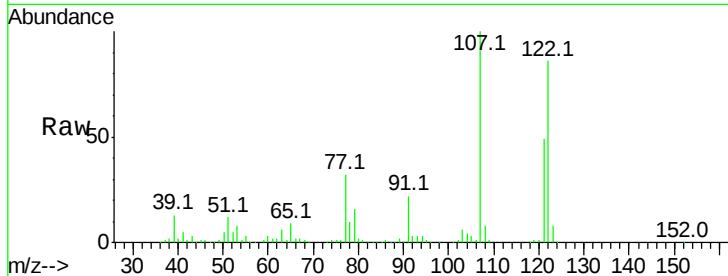




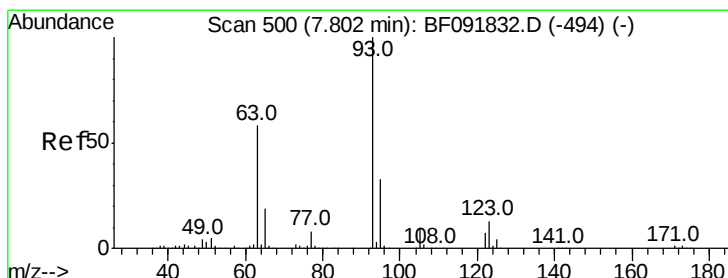
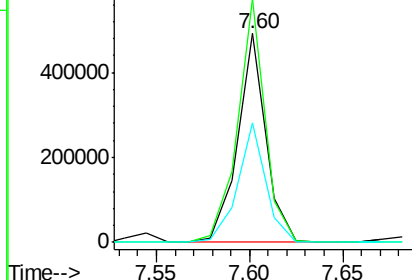
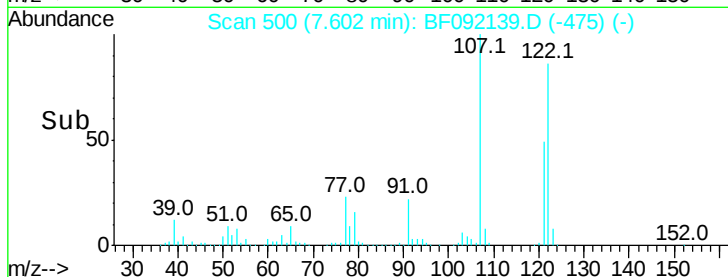
#27
 2,4-Dimethylphenol
 Concen: 41.35 ng
 RT: 7.60 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :
 L-SWITCH-SP-0-2-COMPMSD

Tot Ion:122 Resp: 518351
 Ion Ratio Lower Upper
 122 100
 107 116.5 94.1 141.1
 121 57.3 46.0 69.0

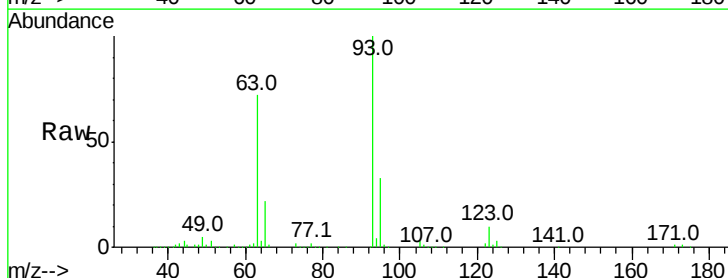


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

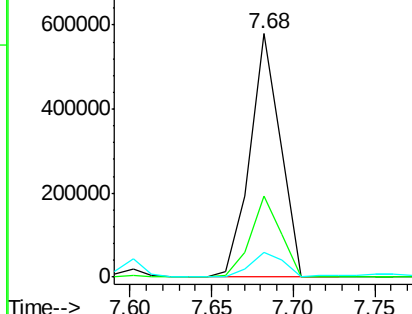
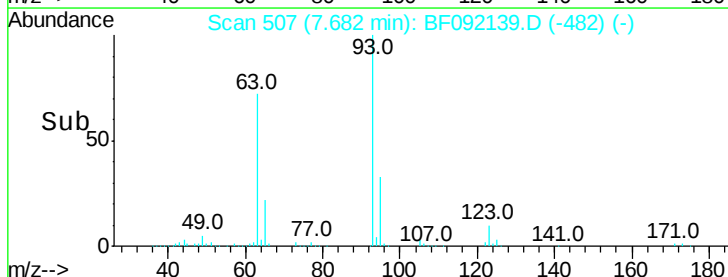


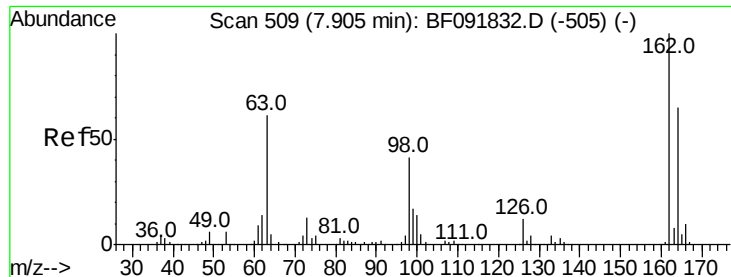
#28
 bis(2-Chloroethoxy)methane
 Concen: 46.43 ng
 RT: 7.68 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Tgt Ion: 93 Resp: 747539
 Ion Ratio Lower Upper
 93 100
 95 33.3 26.5 39.7
 123 10.4 8.6 13.0



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E

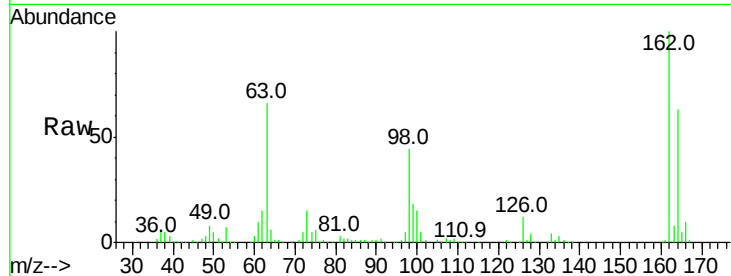




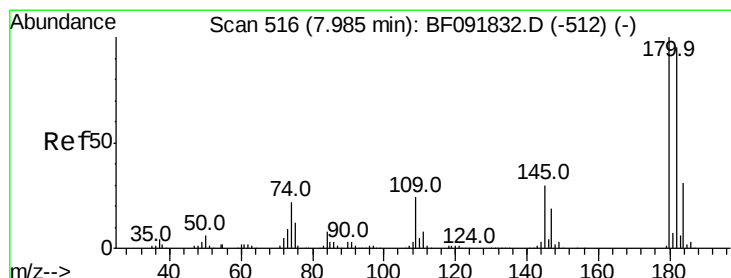
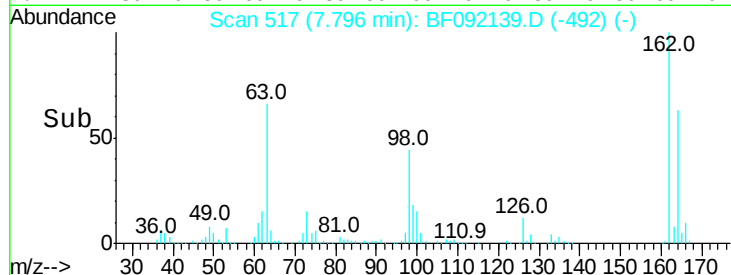
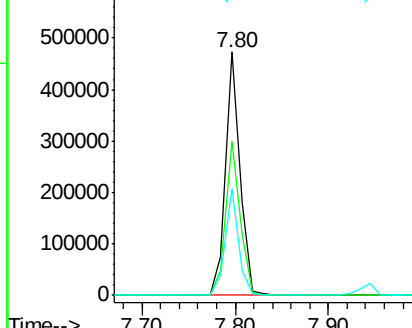
#29
 2,4-Dichlorophenol
 Concen: 47.94 ng
 RT: 7.80 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :
 L-SWITCH-SP-0-2-COMPMSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.5	46.8	86.8
98	43.7	9.1	49.1

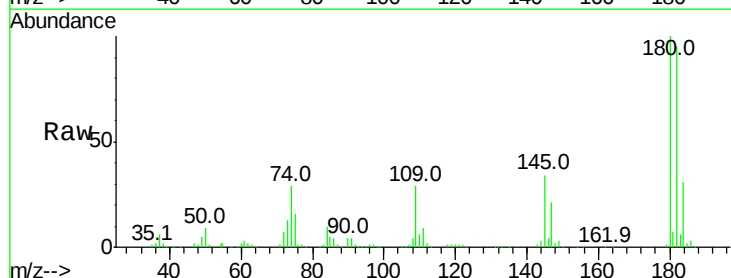


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BFO

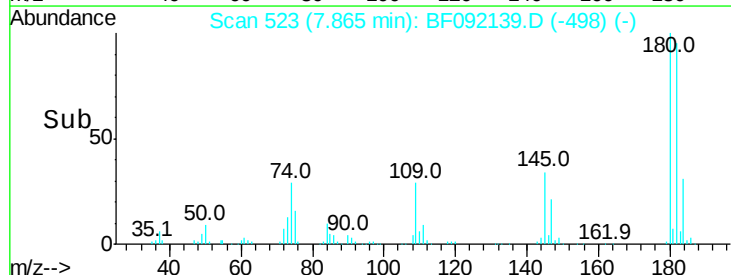
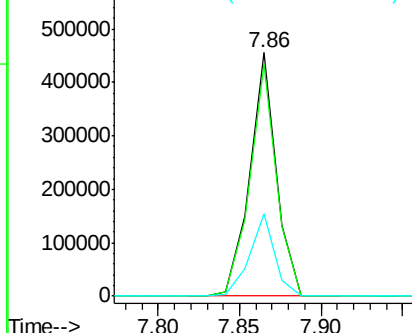


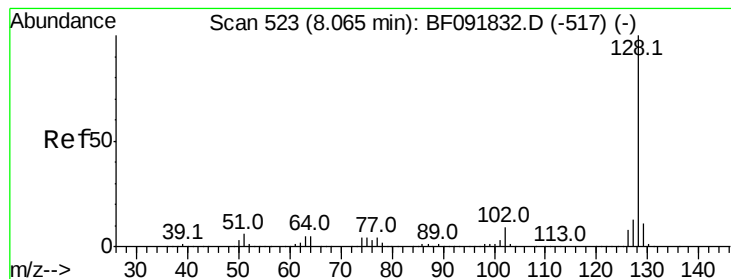
#30
 1,2,4-Trichlorobenzene
 Concen: 44.01 ng
 RT: 7.86 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.2	117.4
145	33.6	21.6	32.4



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





#31

Naphthalene

Concen: 49.07 ng

RT: 7.94 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

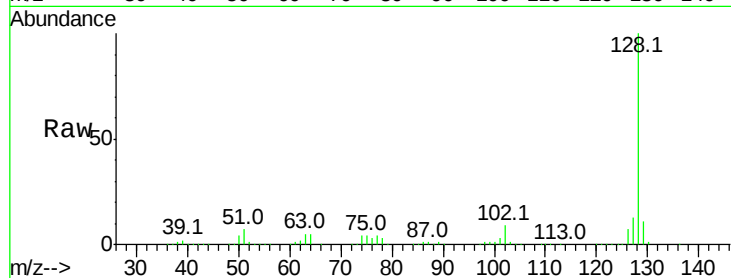
Tot Ion:128 Resp: 1797265

Ion Ratio Lower Upper

128 100

129 11.4 9.5 14.3

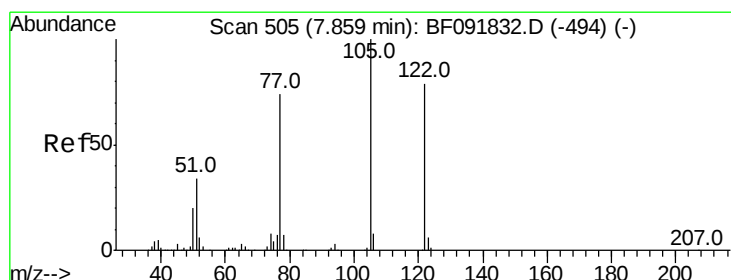
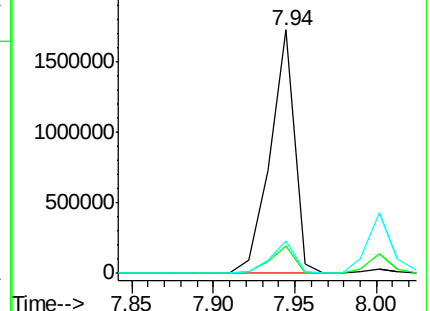
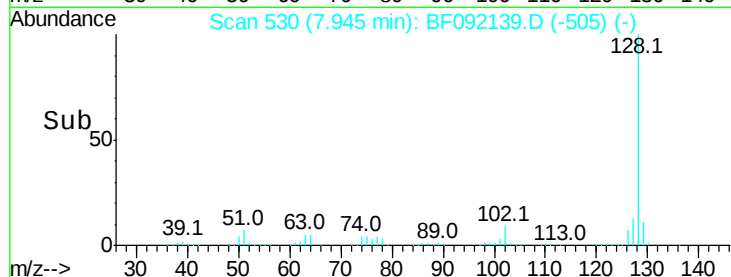
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 33.82 ng

RT: 7.76 min Scan# 514

Delta R.T. 0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

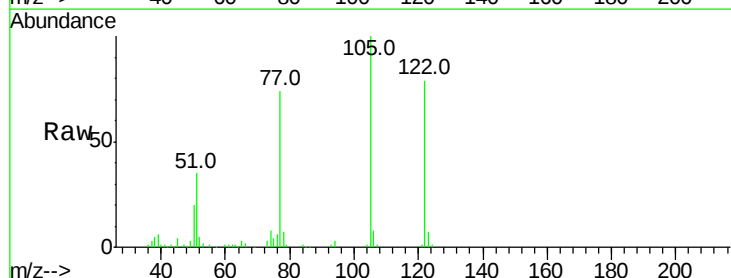
Tgt Ion:122 Resp: 314440

Ion Ratio Lower Upper

122 100

105 126.5 107.2 147.2

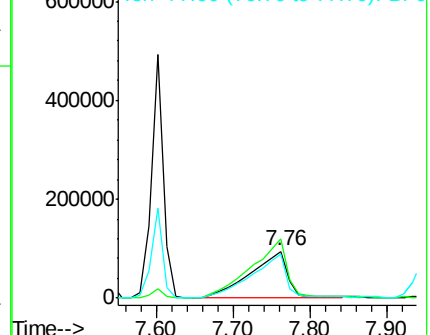
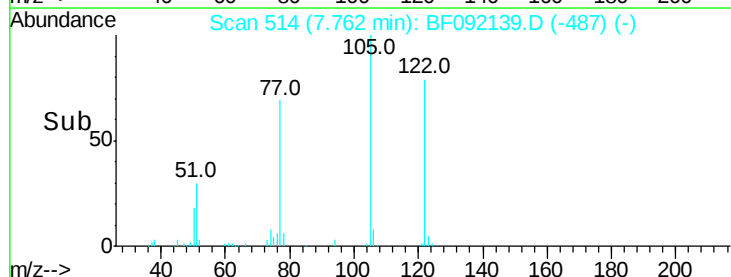
77 93.7 74.5 114.5

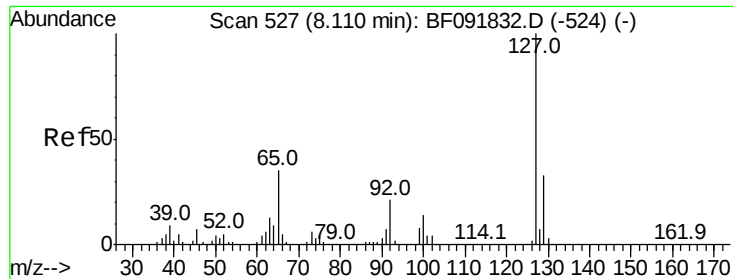


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

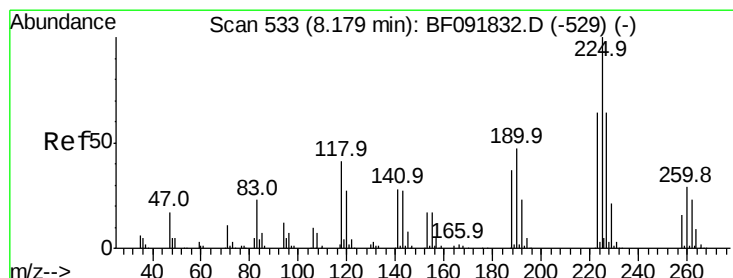
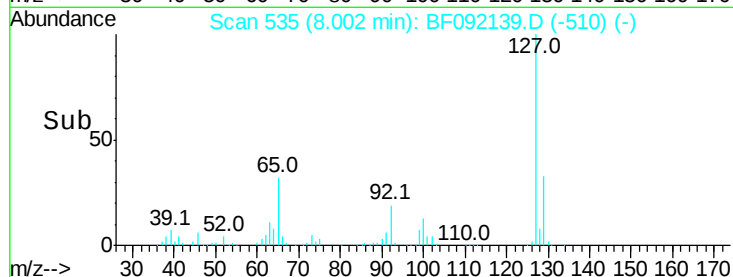
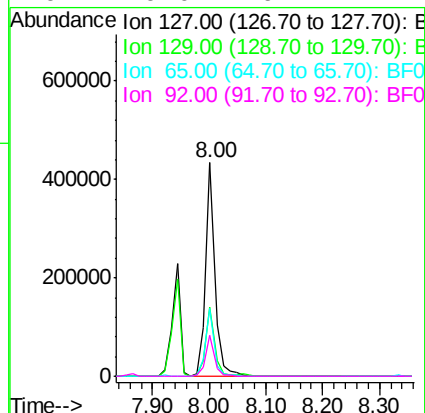
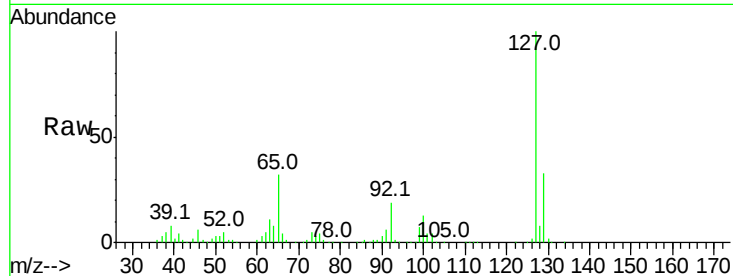




#33
4-Chloroaniline
Concen: 28.70 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

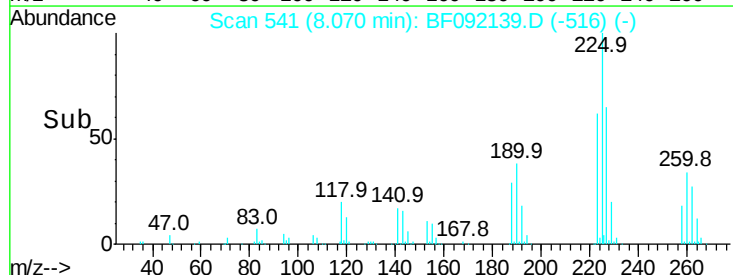
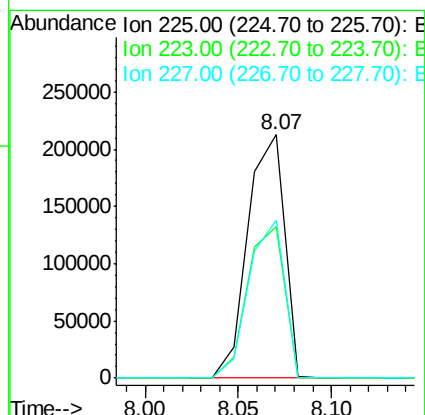
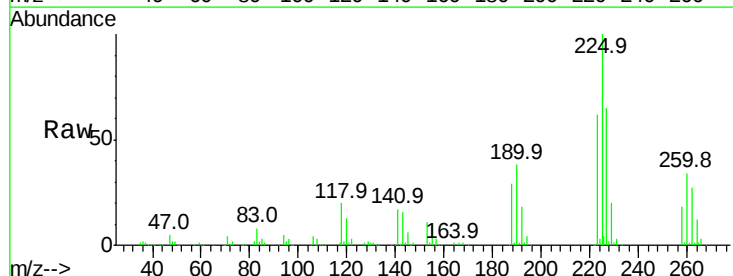
Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

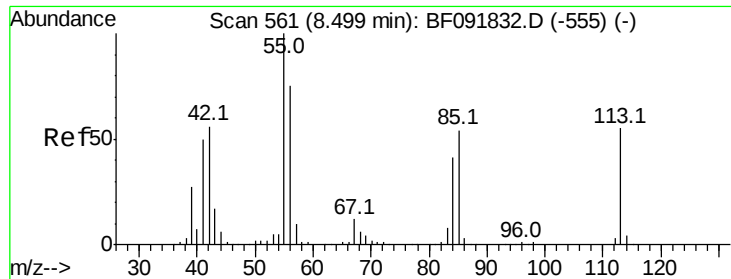
Tot Ion:	127	Resp:	474014
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.3	39.5
65	31.9	25.8	38.8
92	19.0	16.1	24.1



#34
Hexachlorobutadiene
Concen: 47.18 ng
RT: 8.07 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Tgt Ion:	225	Resp:	289737
Ion	Ratio	Lower	Upper
225	100		
223	62.3	51.0	76.6
227	65.0	50.6	76.0

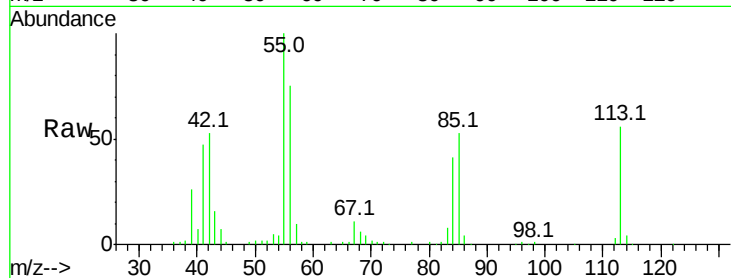




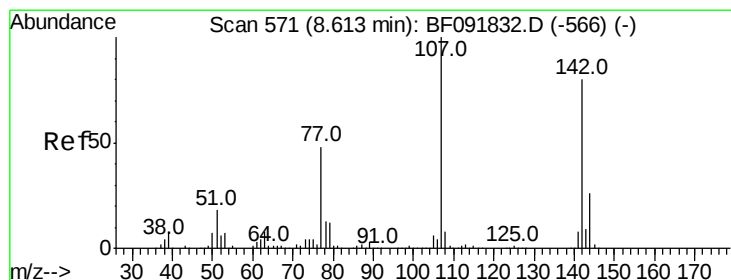
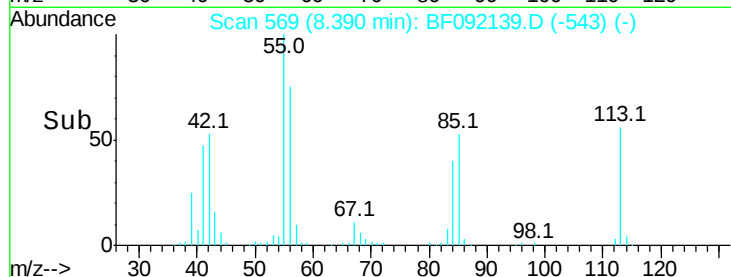
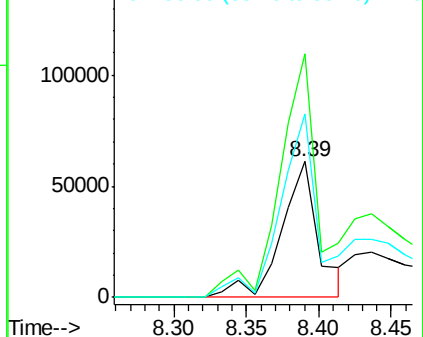
#35
 Caprolactam
 Concen: 30.57 ng
 RT: 8.39 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :
 L-SWITCH-SP-0-2-COMPMSD

Tot Ion:113 Resp: 106630
 Ion Ratio Lower Upper
 113 100
 55 179.5 119.2 159.2#
 56 135.1 83.8 123.8#

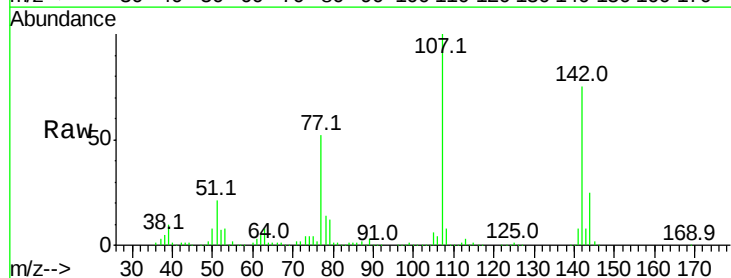


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

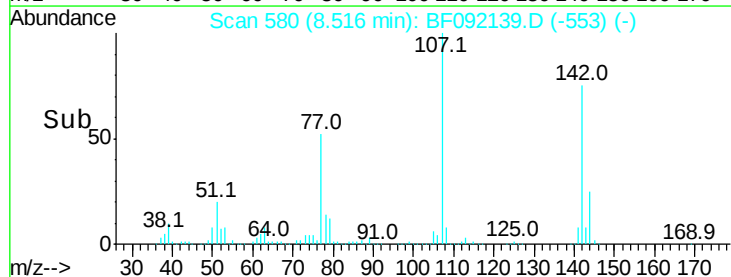
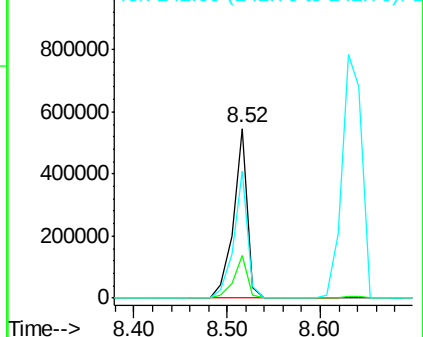


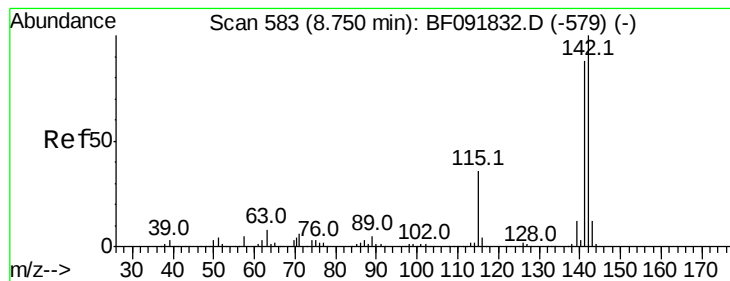
#36
 4-Chloro-3-methylphenol
 Concen: 46.53 ng
 RT: 8.52 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Tgt Ion:107 Resp: 568363
 Ion Ratio Lower Upper
 107 100
 144 24.8 19.3 28.9
 142 75.0 59.0 88.6



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

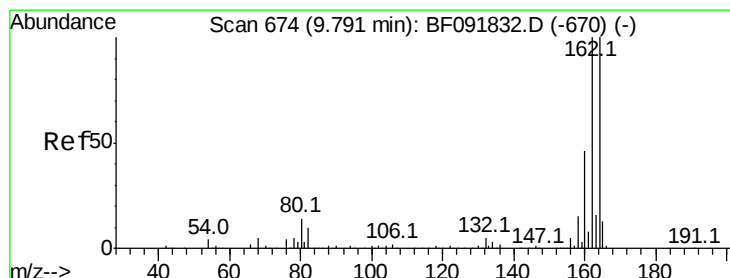
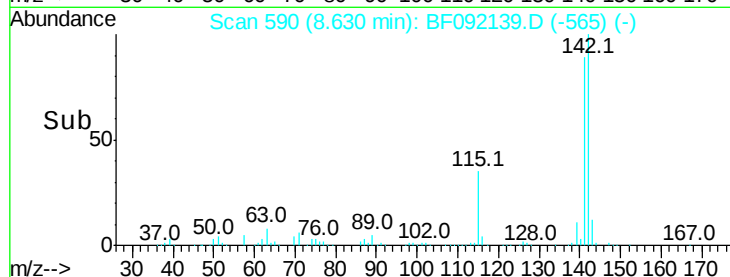
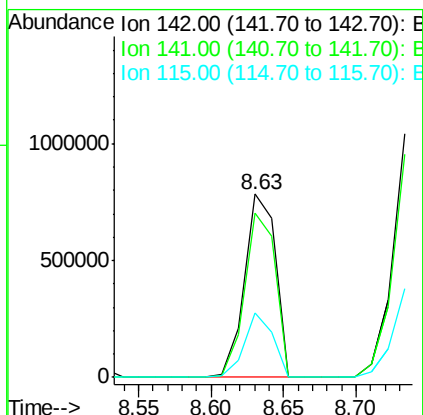
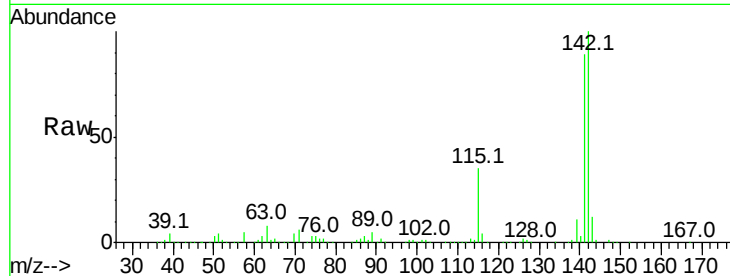




#37
2-Methylnaphthalene
Concen: 58.37 ng
RT: 8.63 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

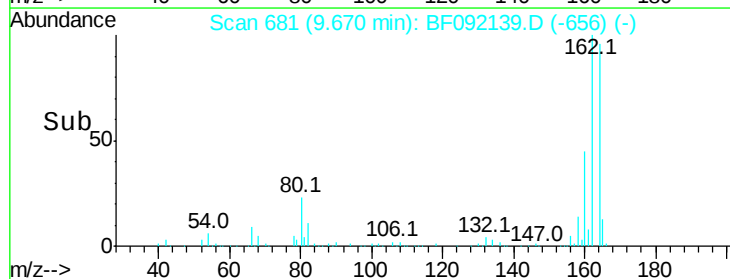
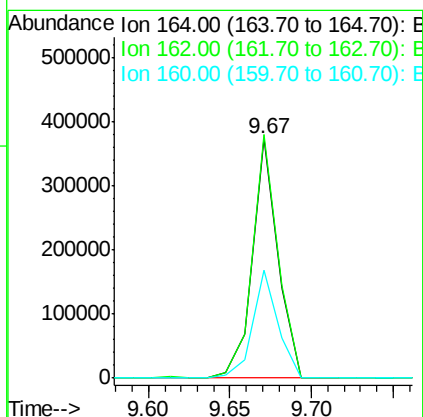
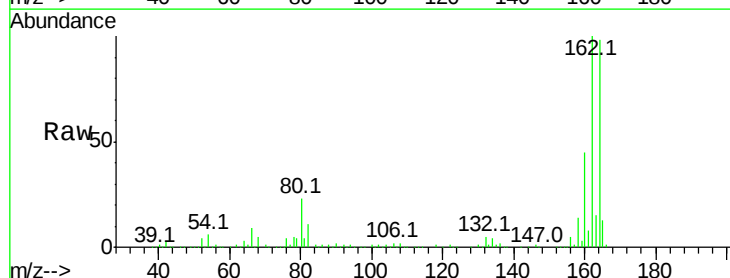
Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

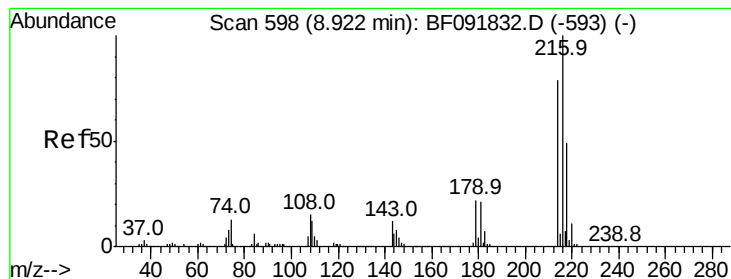
Tot Ion:142 Resp: 1157485
Ion Ratio Lower Upper
142 100
141 89.3 71.0 106.6
115 35.0 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Tgt Ion:164 Resp: 406578
Ion Ratio Lower Upper
164 100
162 101.8 80.2 120.2
160 45.4 36.9 55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.34 ng

RT: 8.80 min Scan# 605

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

Tot Ion:216 Resp: 455524

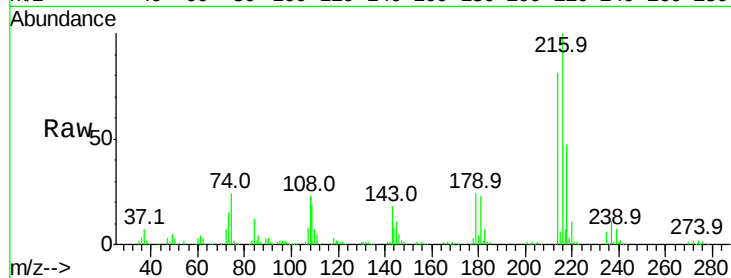
Ion Ratio Lower Upper

216 100

214 79.8 63.4 95.0

179 22.7 17.4 26.2

108 23.9 15.6 23.4#

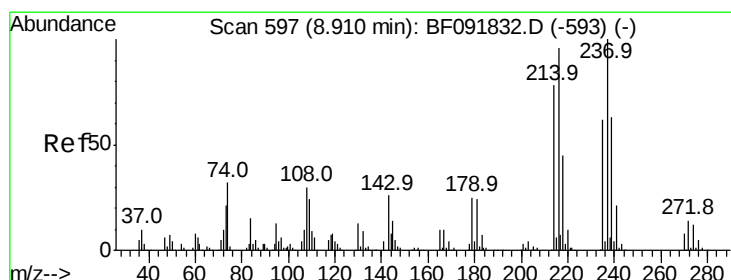
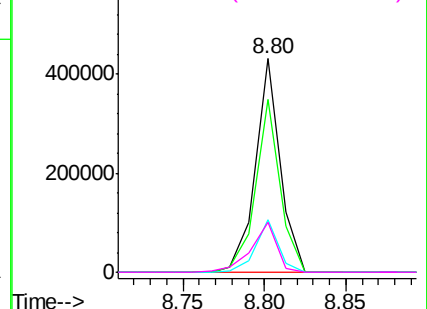
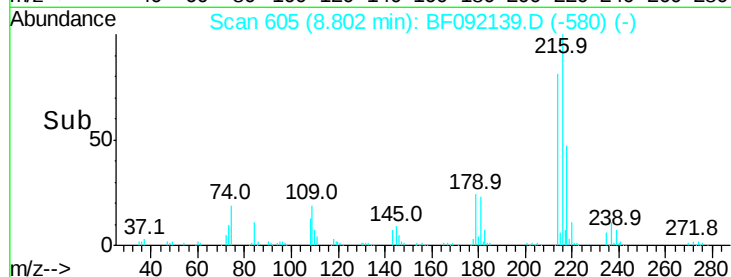


Abundance Ion 216.00 (215.70 to 216.70): E

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: 89.82 ng

RT: 8.79 min Scan# 604

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

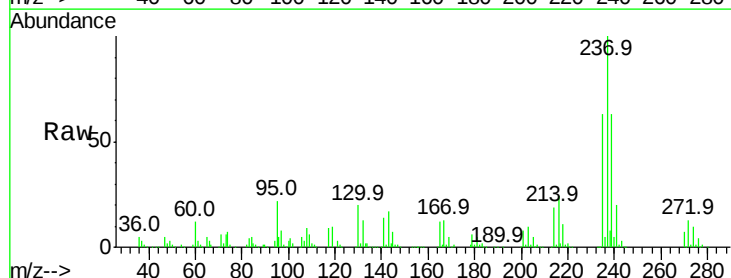
Tgt Ion:237 Resp: 413241

Ion Ratio Lower Upper

237 100

235 63.2 41.2 81.2

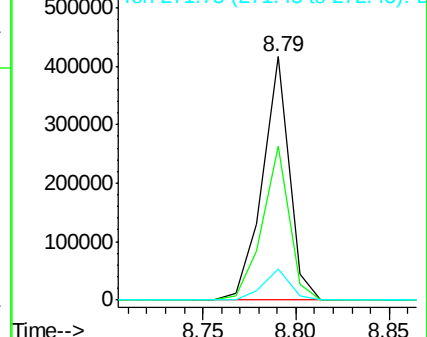
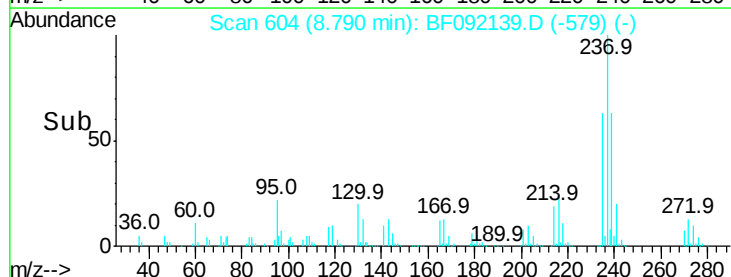
272 12.9 0.0 35.4

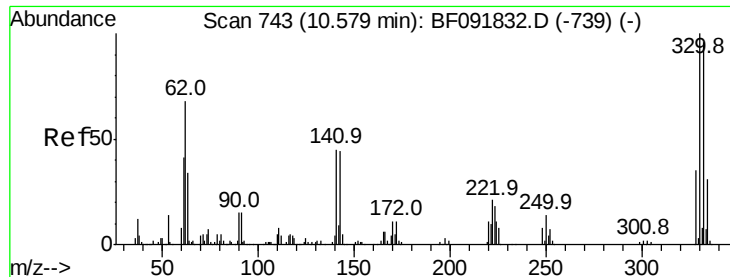


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

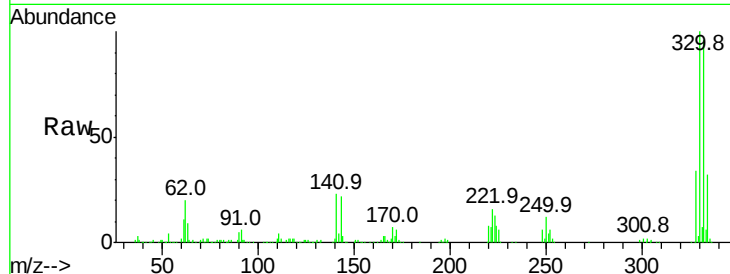




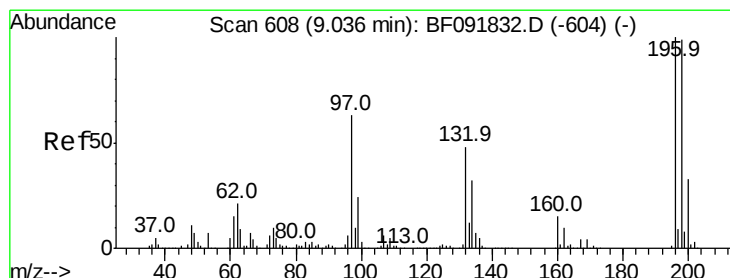
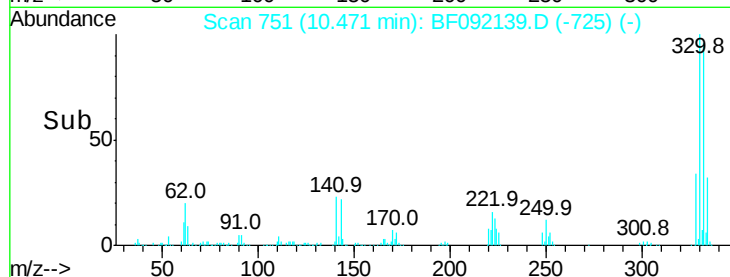
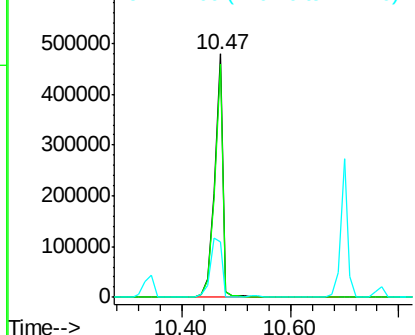
#41
 2,4,6-Tribromophenol
 Concen: 154.59 ng
 RT: 10.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :
 L-SWITCH-SP-0-2-COMPMSD

Tot Ion:330 Resp: 520165
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.4 116.2
 141 34.1 34.1 51.1

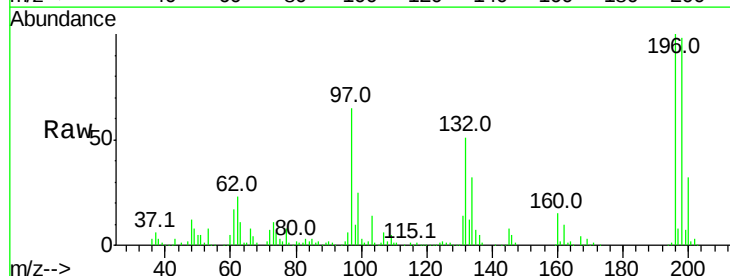


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

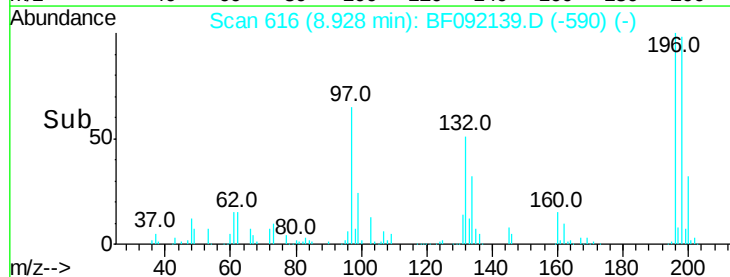
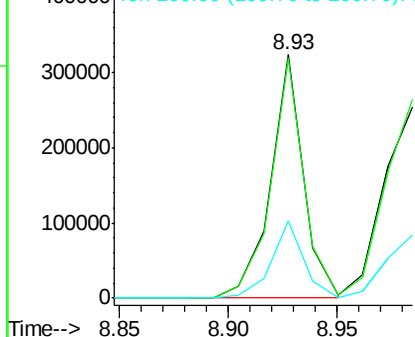


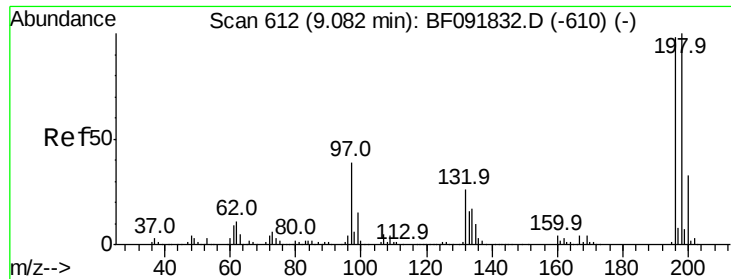
#42
 2,4,6-Trichlorophenol
 Concen: 47.72 ng
 RT: 8.93 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Tgt Ion:196 Resp: 342798
 Ion Ratio Lower Upper
 196 100
 198 98.3 82.1 123.1
 200 31.5 27.0 40.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

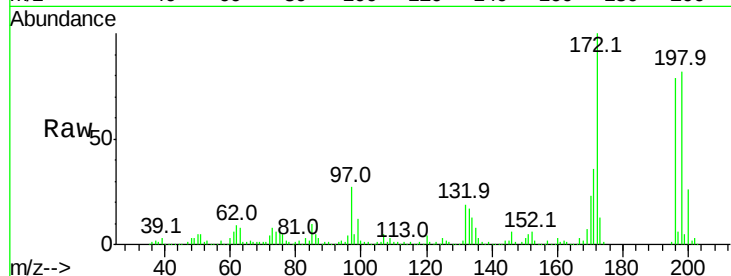




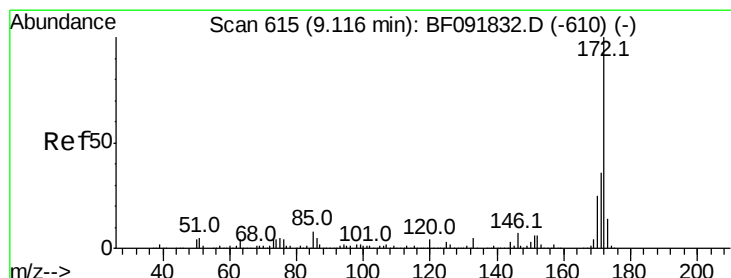
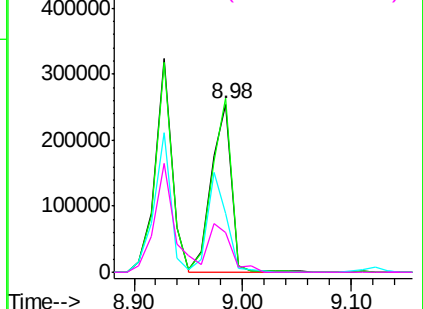
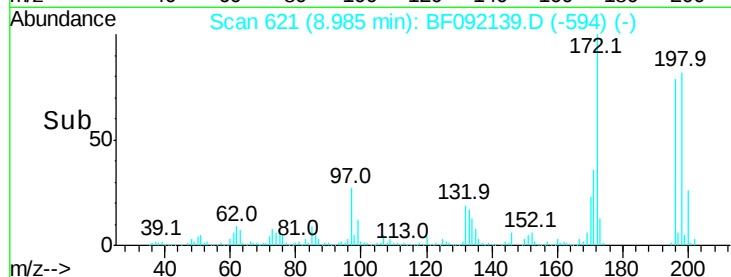
#43
 2,4,5-Trichlorophenol
 Concen: 44.19 ng
 RT: 8.98 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :
 L-SWITCH-SP-0-2-COMPMSD

Tot Ion:196 Resp: 326726
 Ion Ratio Lower Upper
 196 100
 198 103.9 79.4 119.2
 97 34.8 51.5 77.3#
 132 23.6 27.4 41.2#

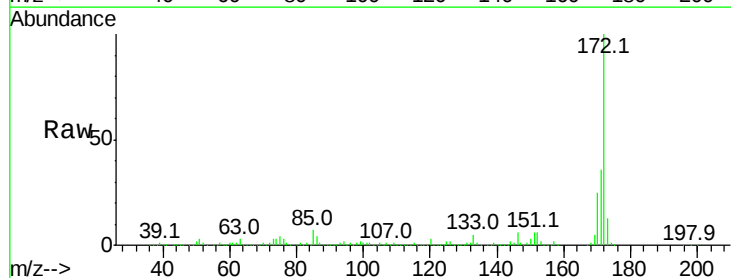


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

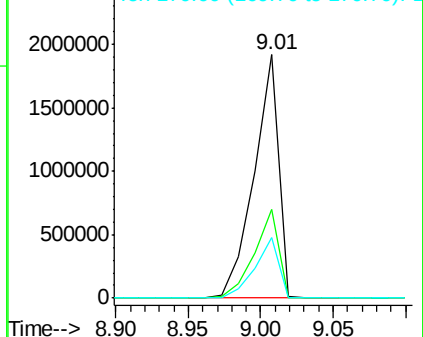
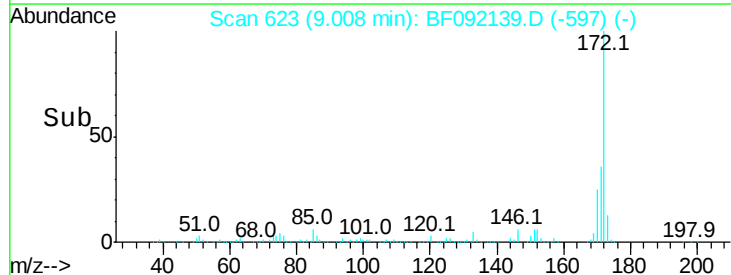


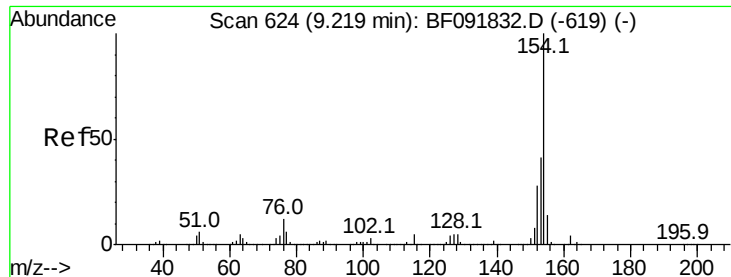
#44
 2-Fluorobiphenyl
 Concen: 118.93 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Tgt Ion:172 Resp: 2257820
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.7 20.2 30.4



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

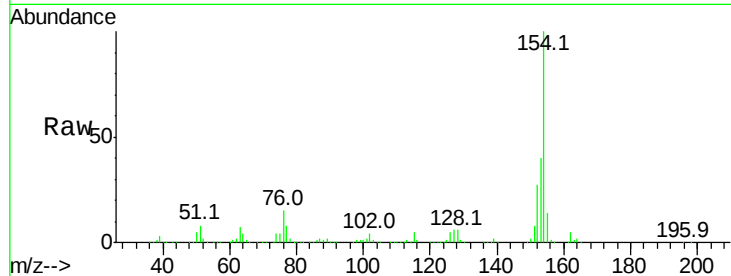




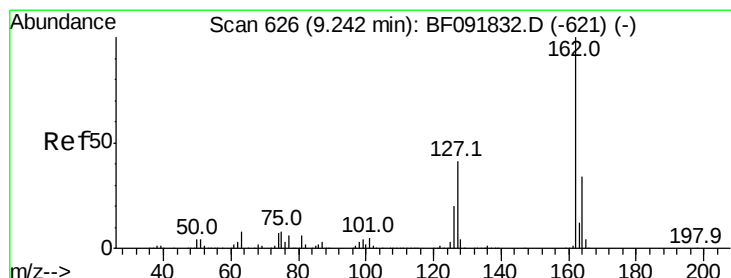
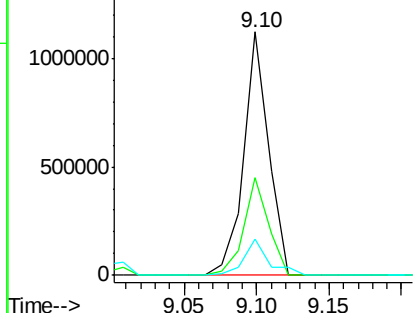
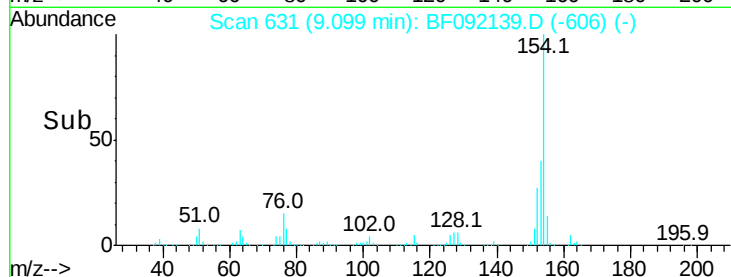
#45
 1,1'-Biphenyl
 Concen: 47.75 ng
 RT: 9.10 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :
 L-SWITCH-SP-0-2-COMPMSD

Tot Ion:154 Resp: 1329227
 Ion Ratio Lower Upper
 154 100
 153 39.9 20.9 60.9
 76 15.1 0.0 30.5

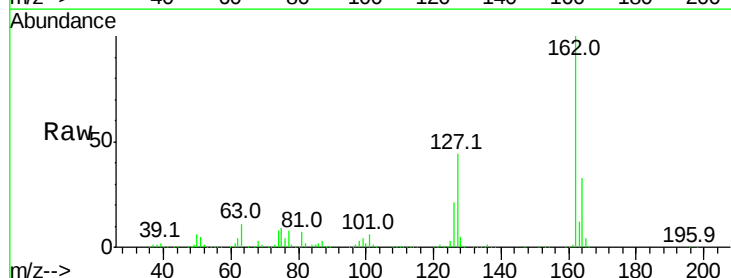


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

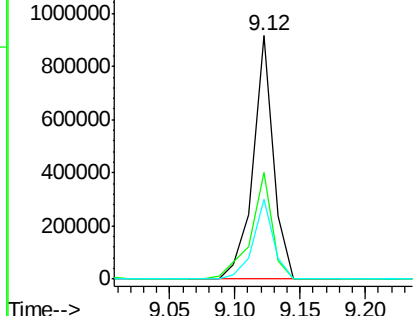
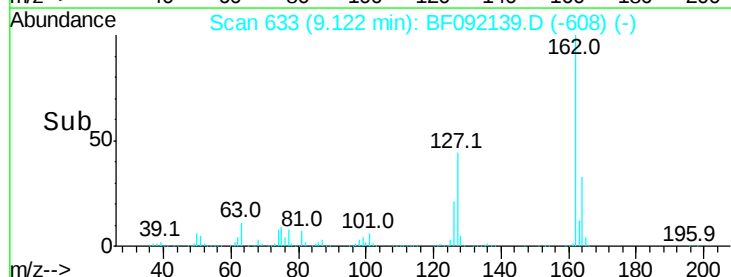


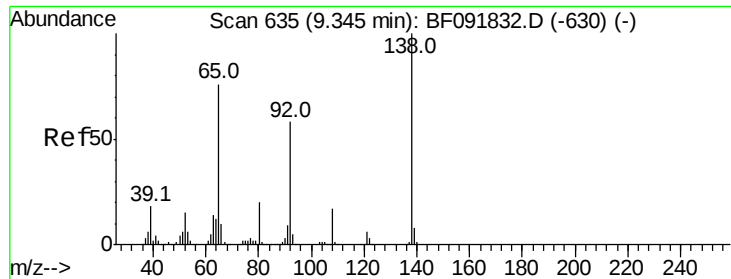
#46
 2-Chloronaphthalene
 Concen: 45.25 ng
 RT: 9.12 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Tgt Ion:162 Resp: 997692
 Ion Ratio Lower Upper
 162 100
 127 43.8 30.7 46.1
 164 32.8 27.6 41.4



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





#47

2-Nitroaniline

Concen: 46.08 ng

RT: 9.22 min Scan# 642

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

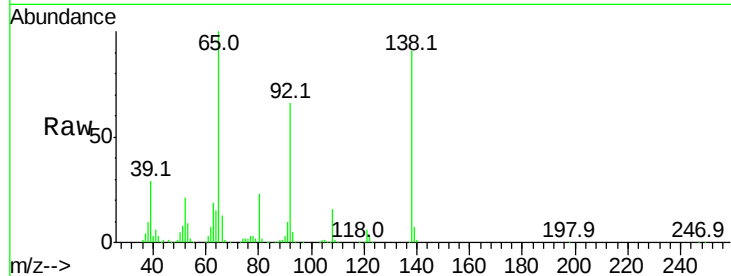
Tot Ion: 65 Resp: 361714

Ion Ratio Lower Upper

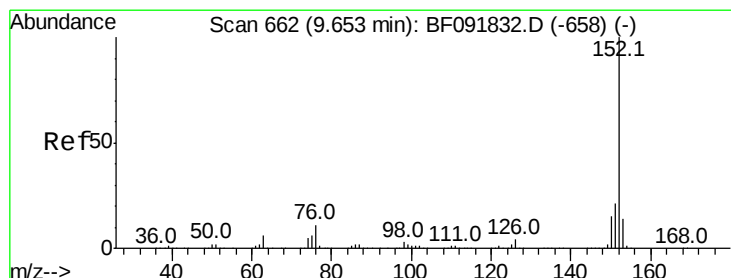
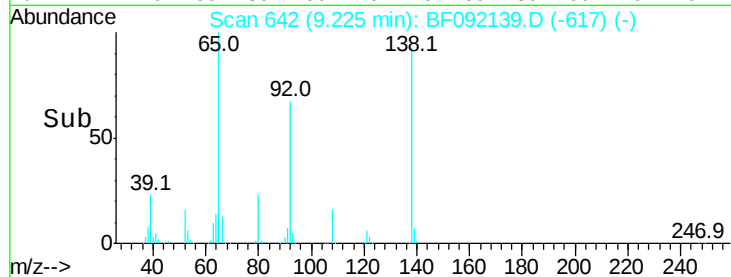
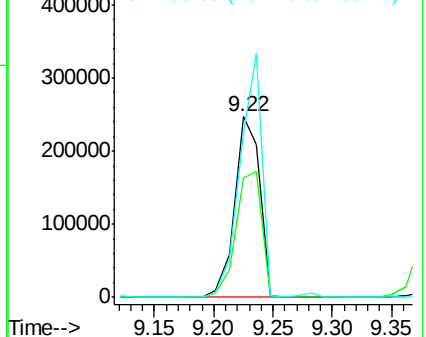
65 100

92 66.0 53.9 80.9

138 91.1 76.8 115.2



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 45.15 ng

RT: 9.53 min Scan# 669

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

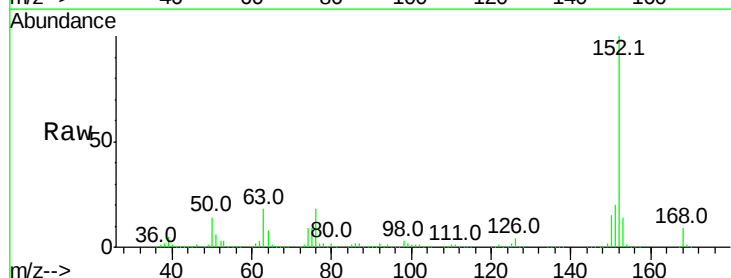
Tgt Ion: 152 Resp: 1530926

Ion Ratio Lower Upper

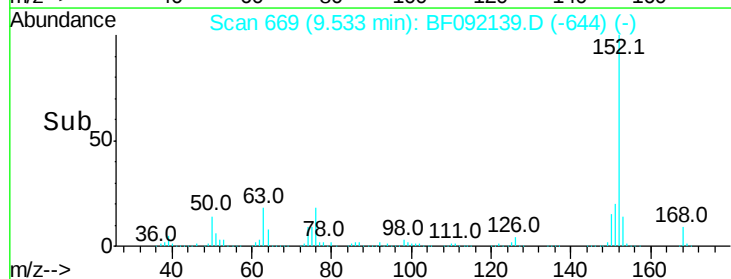
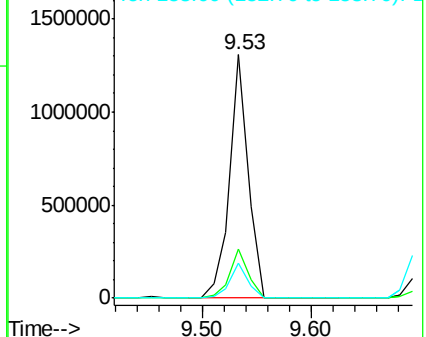
152 100

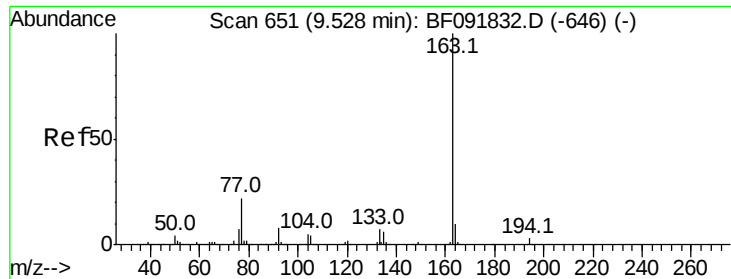
151 20.3 16.9 25.3

153 14.4 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

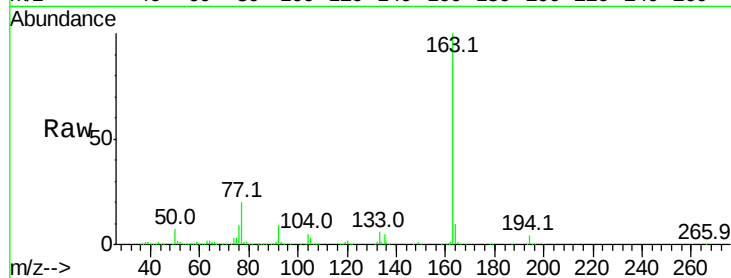




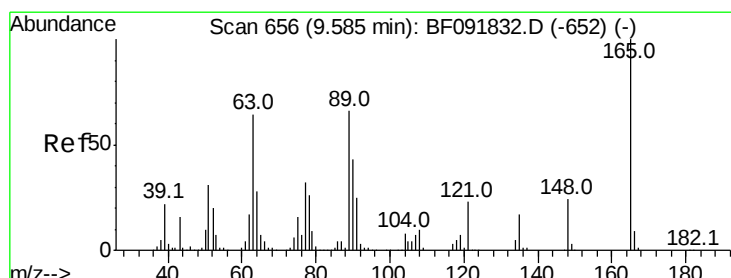
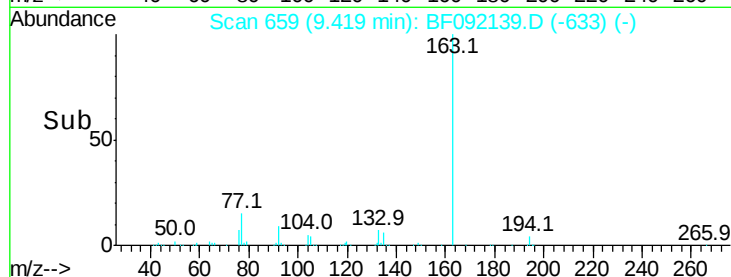
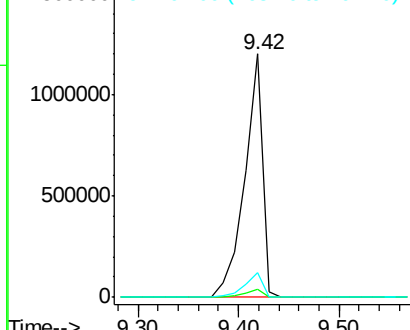
#49
Dimethylphthalate
Concen: 56.90 ng
RT: 9.42 min Scan# 659
Delta R.T. 0.00 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

Tot Ion:163 Resp: 1479690
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.3 8.0 12.0

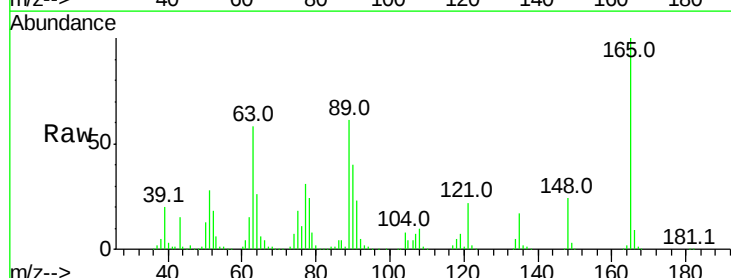


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

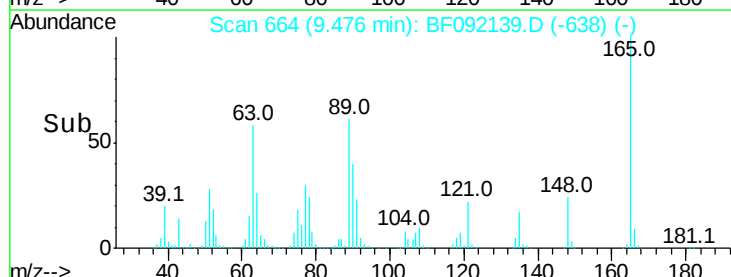
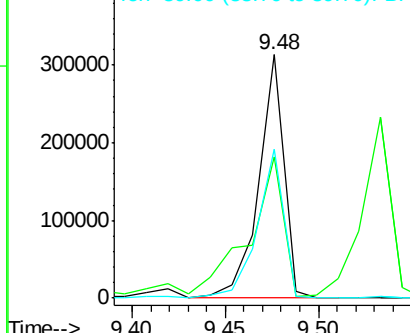


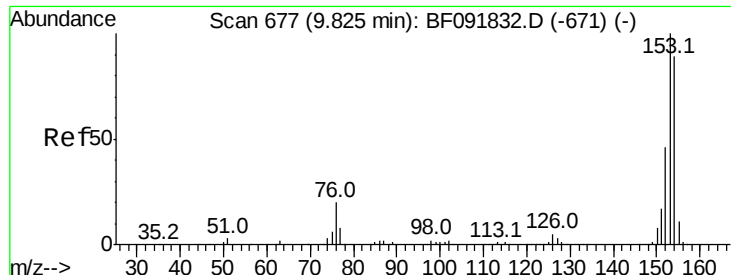
#50
2,6-Dinitrotoluene
Concen: 51.01 ng
RT: 9.48 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Tgt Ion:165 Resp: 290354
Ion Ratio Lower Upper
165 100
63 57.8 36.2 54.4#
89 61.1 40.2 60.4#



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





#51

Acenaphthene

Concen: 41.88 ng

RT: 9.70 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

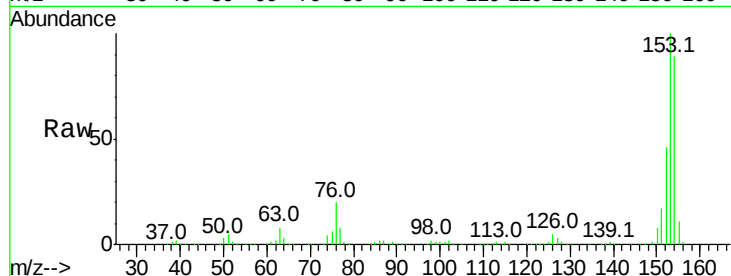
Tot Ion:154 Resp: 962781

Ion Ratio Lower Upper

154 100

153 112.6 88.6 133.0

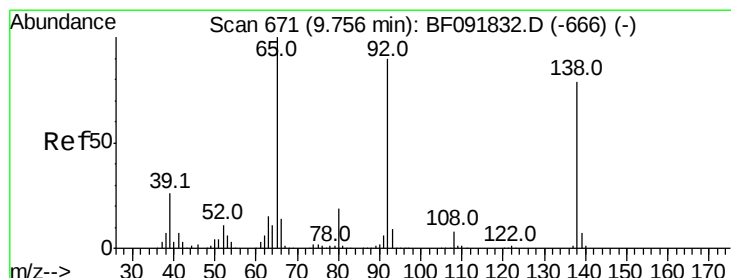
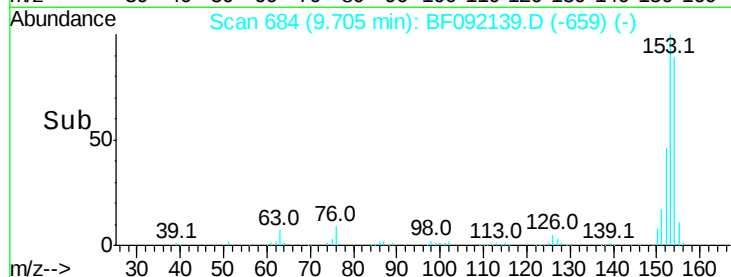
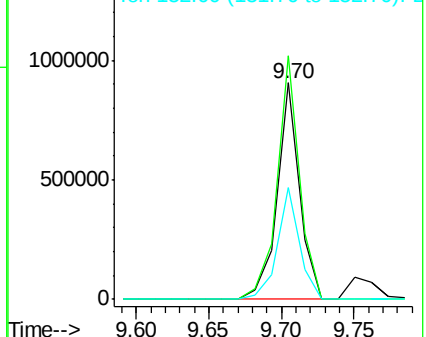
152 51.7 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 31.39 ng

RT: 9.65 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

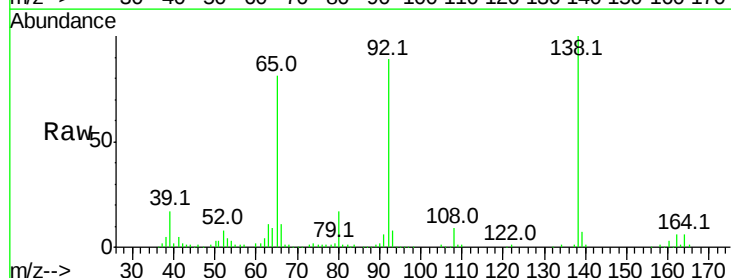
Tgt Ion:138 Resp: 221106

Ion Ratio Lower Upper

138 100

108 8.8 8.5 12.7

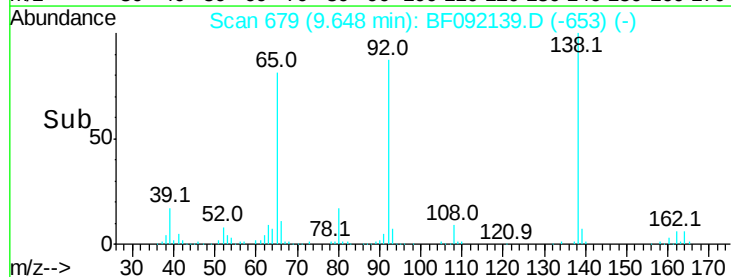
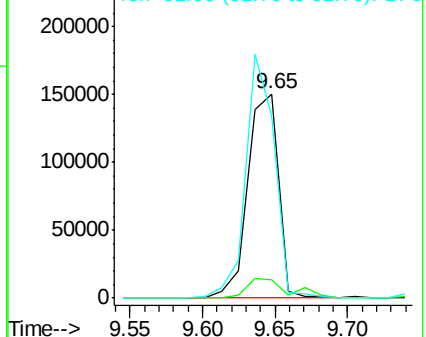
92 89.0 97.8 146.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

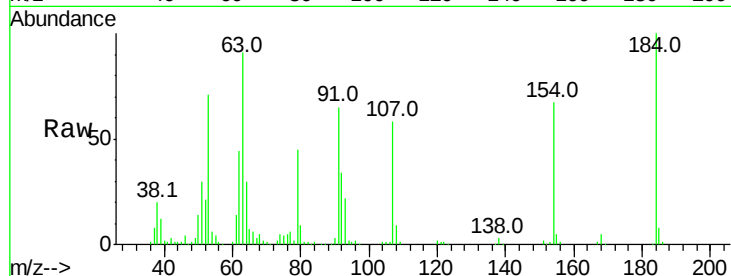




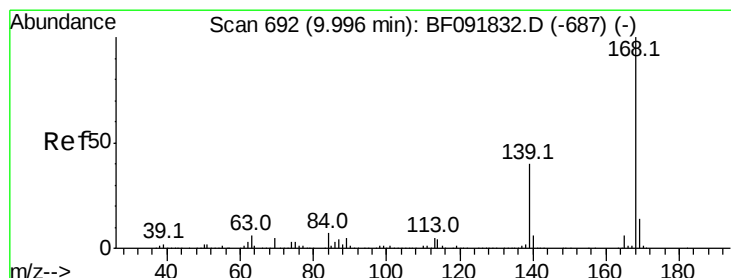
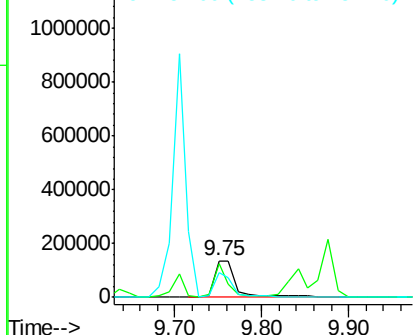
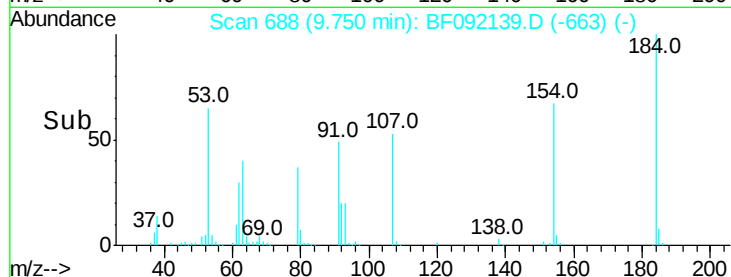
#53
 2,4-Dinitrophenol
 Concen: 75.67 ng
 RT: 9.75 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :
 L-SWITCH-SP-0-2-COMPMSD

Tot Ion:184 Resp: 239642
 Ion Ratio Lower Upper
 184 100
 63 91.0 28.4 42.6#
 154 66.9 44.3 66.5#

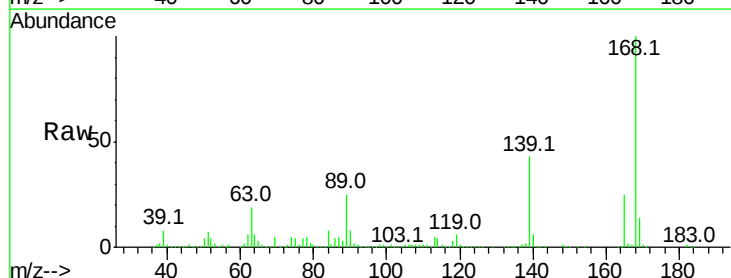


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

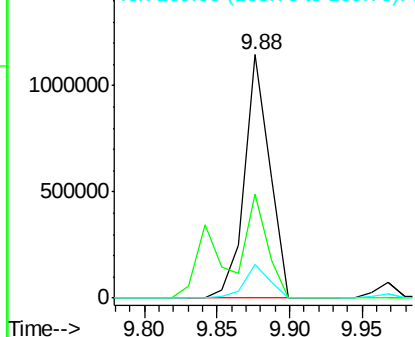
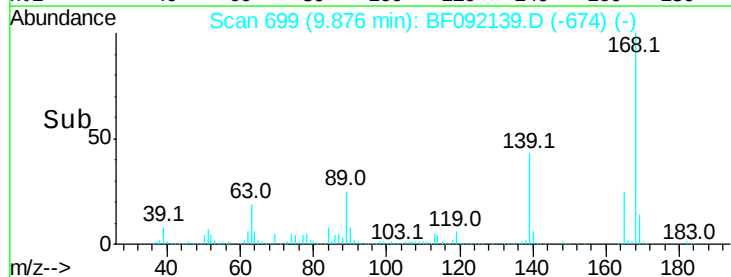


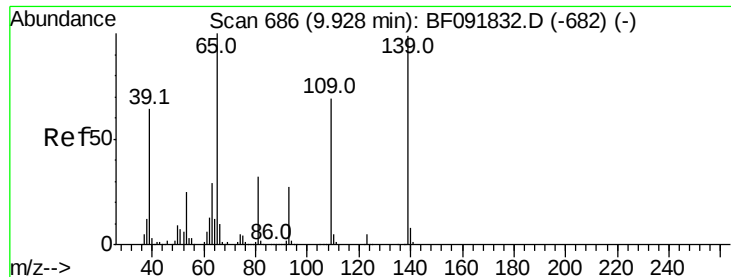
#54
 Dibenzofuran
 Concen: 44.09 ng
 RT: 9.88 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Tgt Ion:168 Resp: 1368574
 Ion Ratio Lower Upper
 168 100
 139 42.5 32.6 49.0
 169 14.0 11.3 16.9



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





#55

4-Nitrophenol

Concen: 95.64 ng

RT: 9.84 min Scan# 696

Delta R.T. 0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

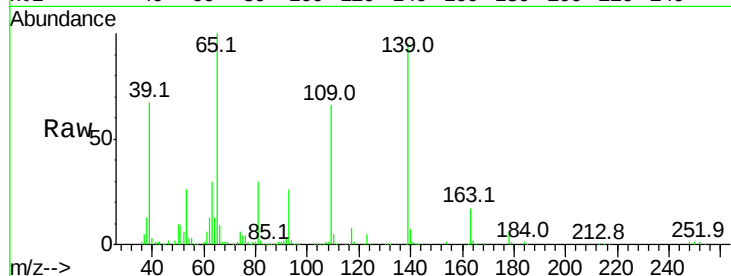
Tot Ion:139 Resp: 457412

Ion Ratio Lower Upper

139 100

109 69.3 52.2 92.2

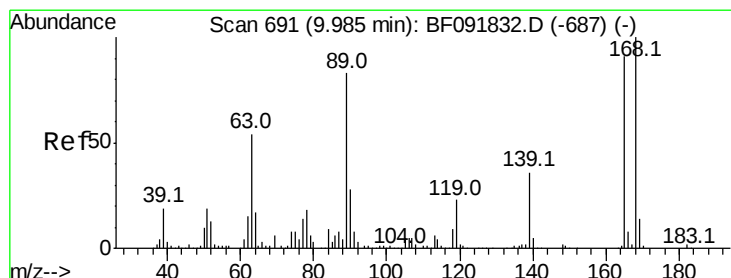
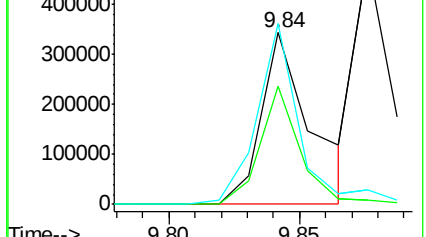
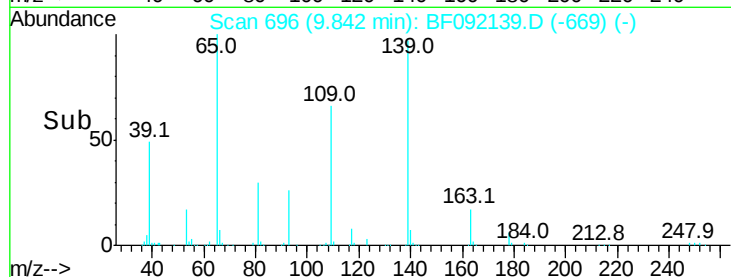
65 105.8 85.8 125.8



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#56

2,4-Dinitrotoluene

Concen: 45.48 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Tgt Ion:165 Resp: 324888

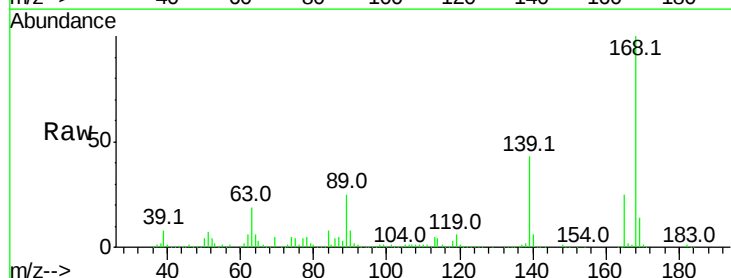
Ion Ratio Lower Upper

165 100

63 76.2 40.2 60.4#

89 98.6 62.5 93.7#

182 2.1 1.8 2.8

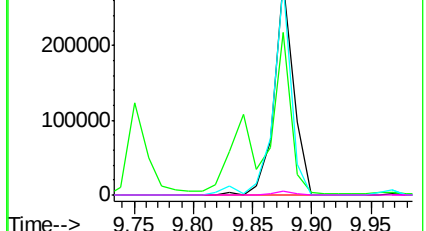
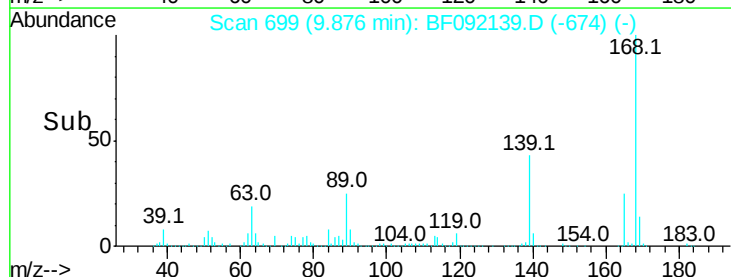


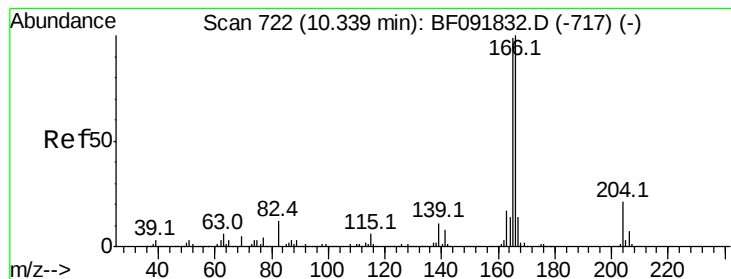
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 44.57 ng

RT: 10.22 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

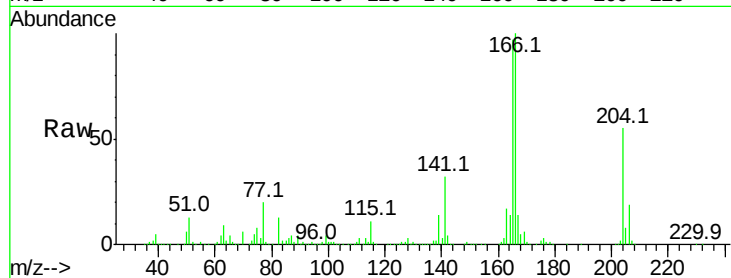
Tot Ion:166 Resp: 1006504

Ion Ratio Lower Upper

166 100

165 97.3 77.8 116.8

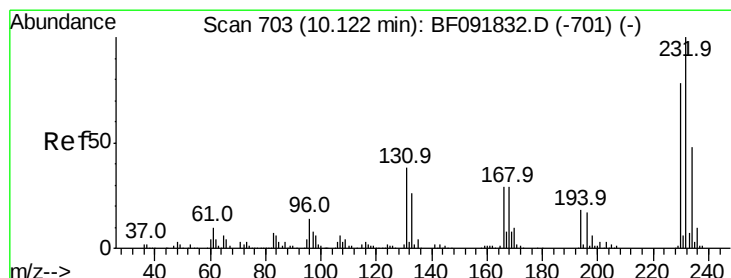
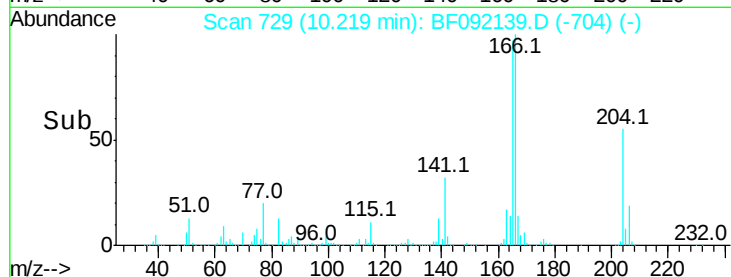
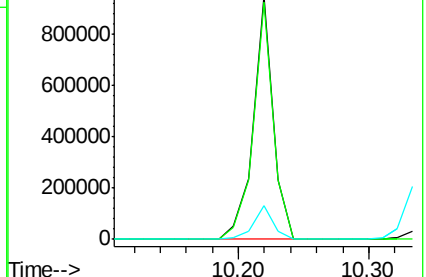
167 13.8 10.8 16.2



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: 49.08 ng

RT: 10.01 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Tgt Ion:232 Resp: 286991

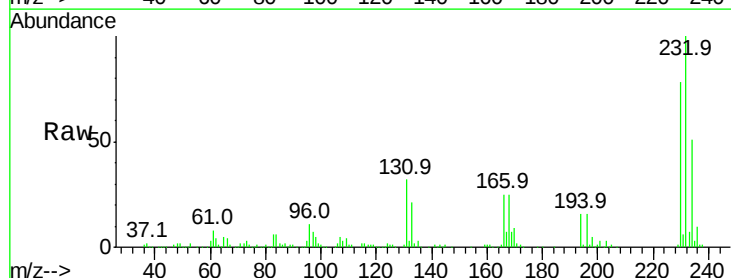
Ion Ratio Lower Upper

232 100

131 48.9 40.1 60.1

130 2.3 1.8 2.8

166 32.3 26.6 39.8

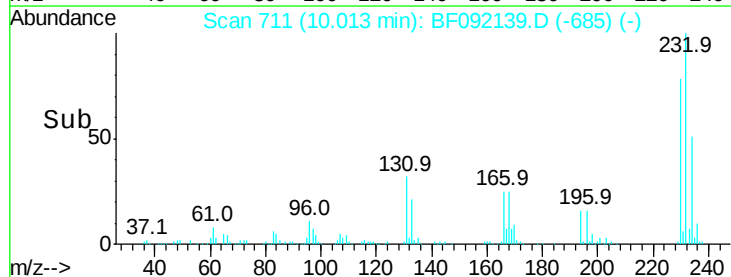
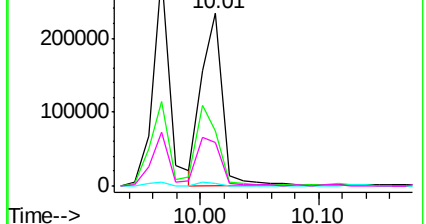


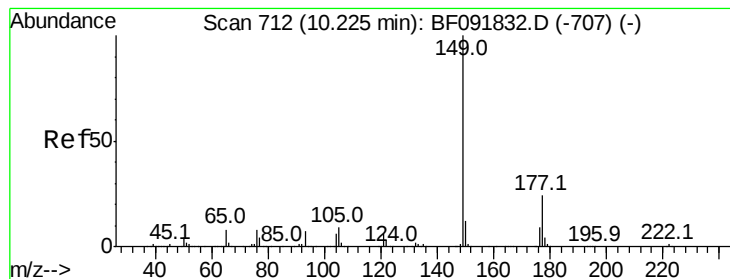
Abundance Ion 232.00 (231.70 to 232.70): E

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: 50.87 ng

RT: 10.12 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

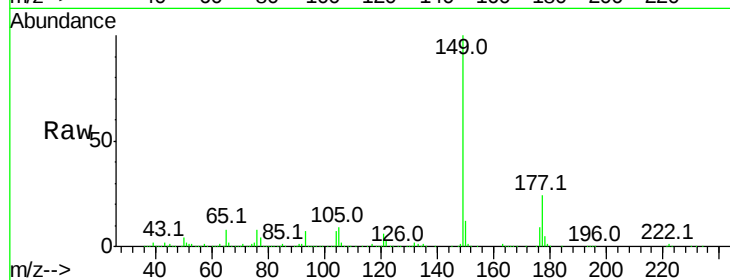
Tot Ion:149 Resp: 1284611

Ion Ratio Lower Upper

149 100

177 23.6 16.6 25.0

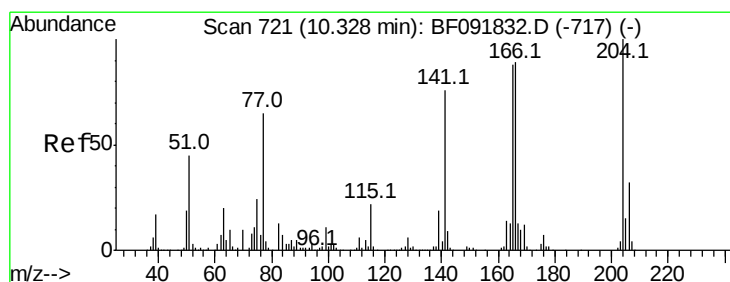
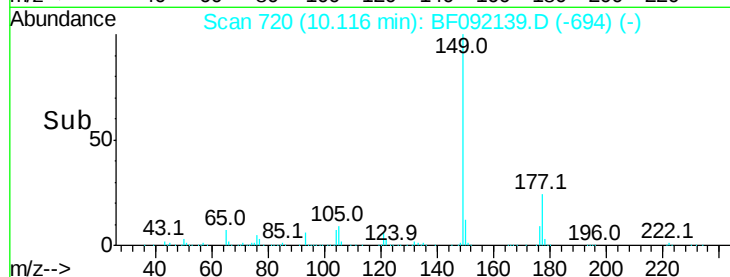
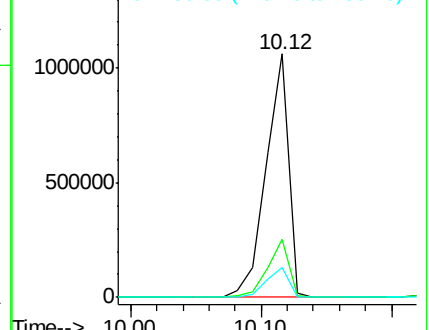
150 12.4 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 52.24 ng

RT: 10.22 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

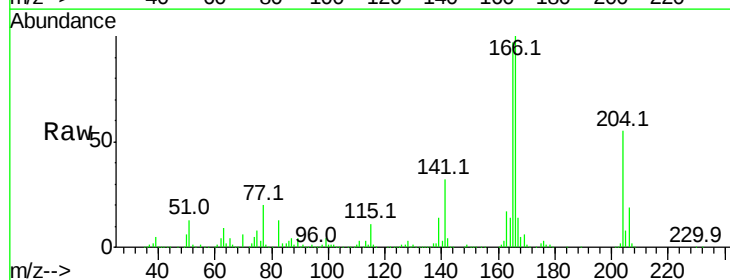
Tgt Ion:204 Resp: 516561

Ion Ratio Lower Upper

204 100

206 33.6 25.8 38.6

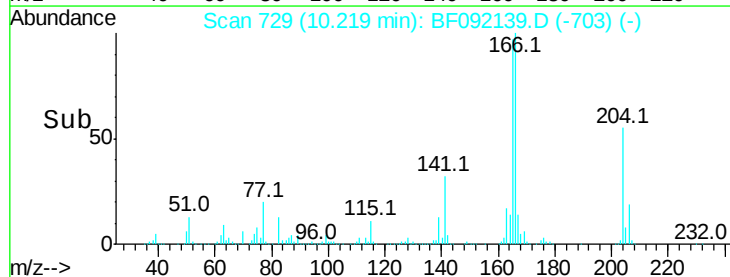
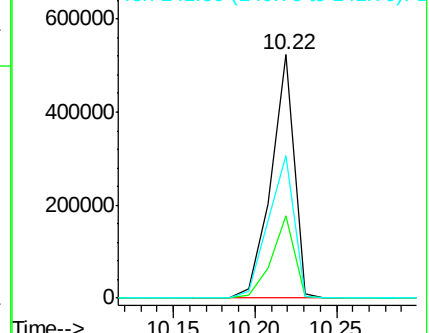
141 58.5 59.4 89.0#

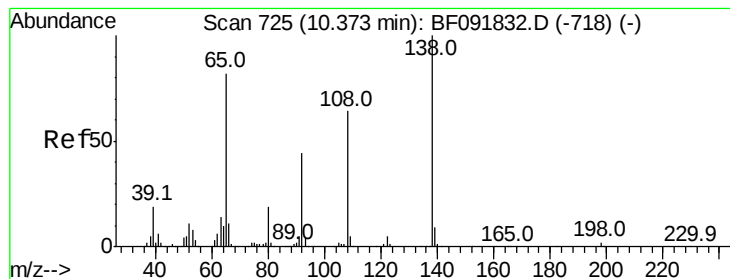


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 45.30 ng

RT: 10.26 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

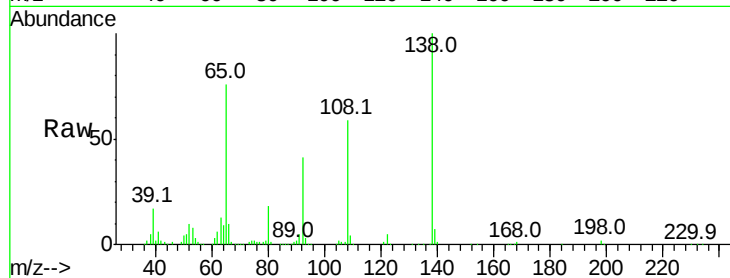
Tot Ion:138 Resp: 330623

Ion Ratio Lower Upper

138 100

92 40.5 31.7 71.7

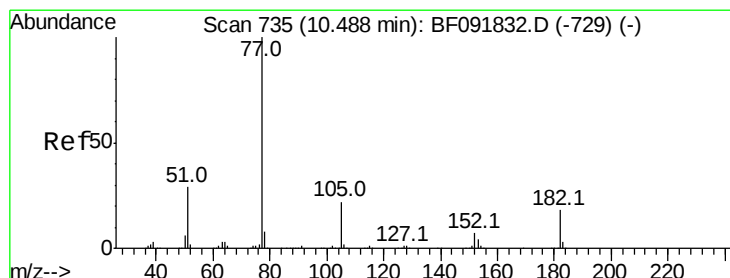
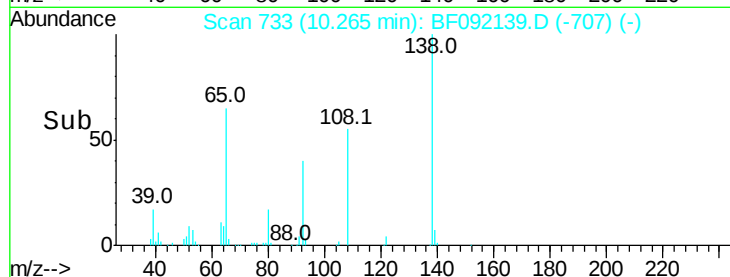
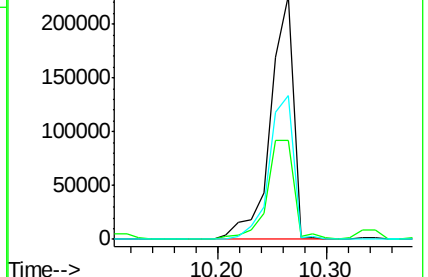
108 59.1 52.6 92.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 52.69 ng

RT: 10.38 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Tgt Ion: 77 Resp: 1465182

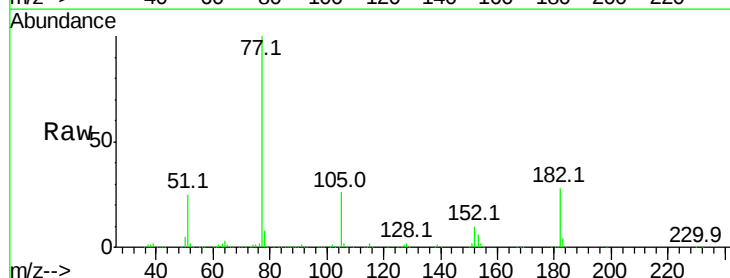
Ion Ratio Lower Upper

77 100

182 27.8 0.0 39.3

105 25.7 2.3 42.3

51 25.4 8.9 48.9

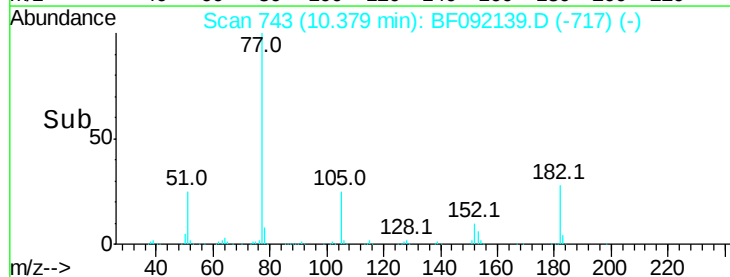
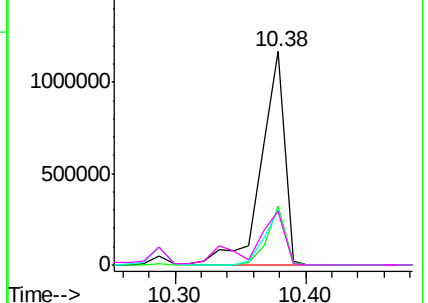


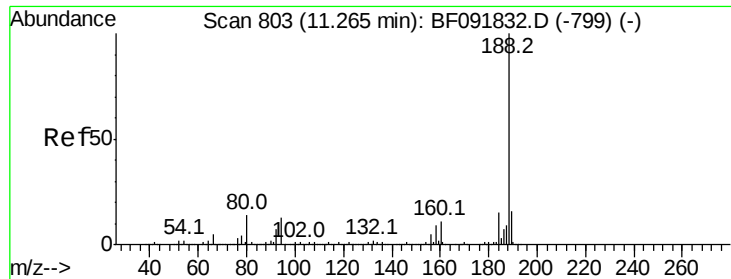
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

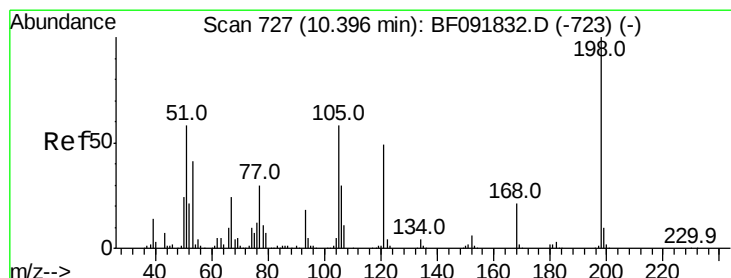
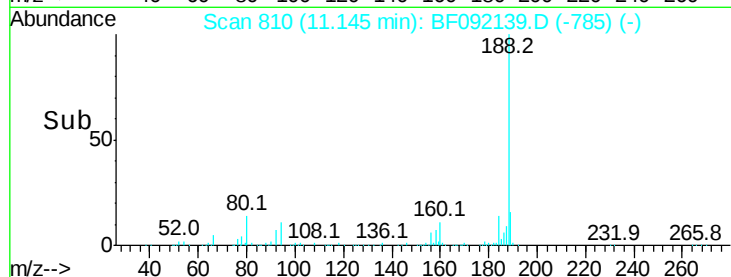
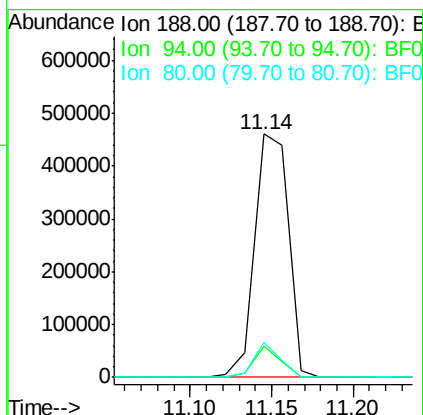
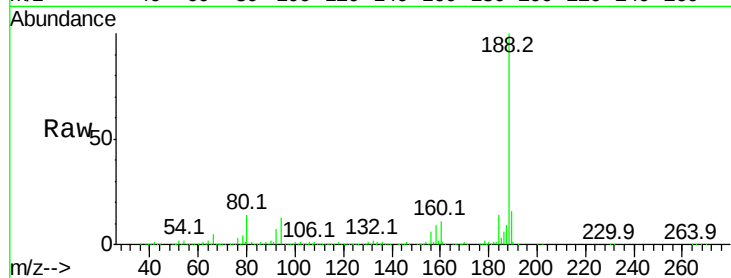




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

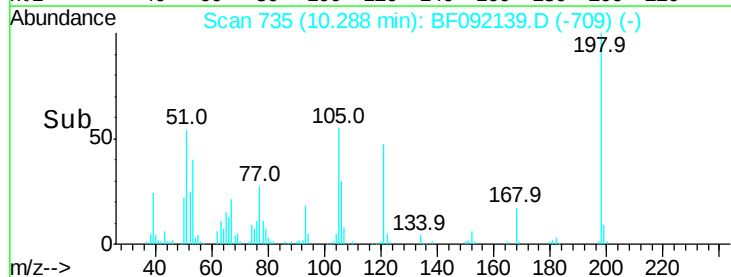
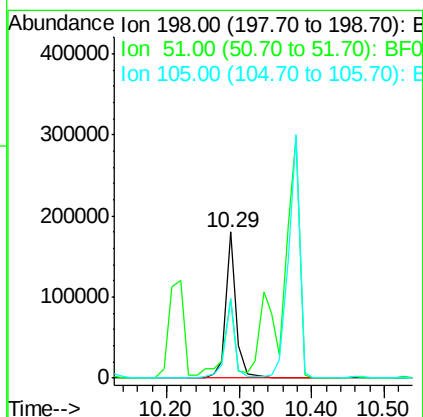
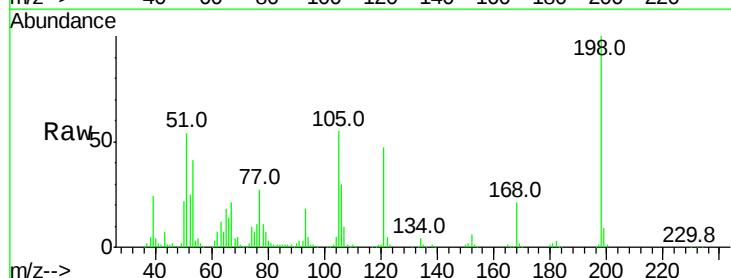
Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

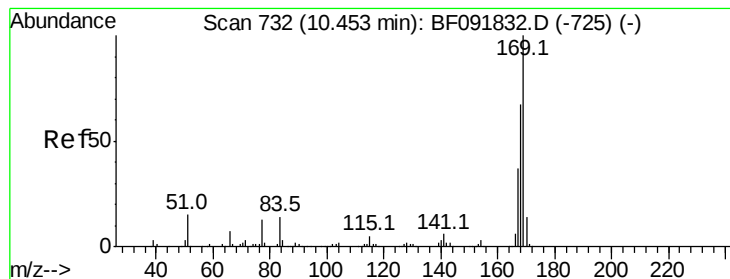
Tot Ion:188 Resp: 662571
Ion Ratio Lower Upper
188 100
94 12.6 10.0 15.0
80 14.3 11.2 16.8



#64
4,6-Dinitro-2-methylphenol
Concen: 45.14 ng
RT: 10.29 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Tgt Ion:198 Resp: 180837
Ion Ratio Lower Upper
198 100
51 53.7 6.7 46.7#
105 54.5 16.6 56.6





#65

n-Nitrosodiphenylamine

Concen: 54.42 ng

RT: 10.34 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

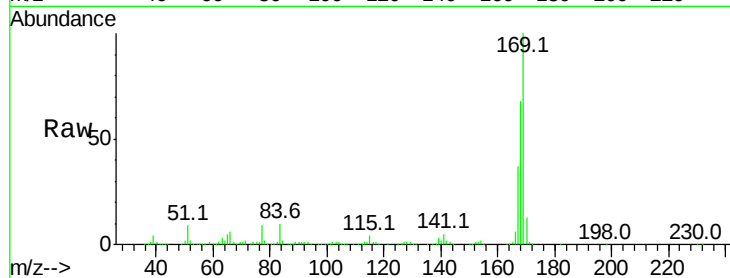
Tot Ion:169 Resp: 1069933

Ion Ratio Lower Upper

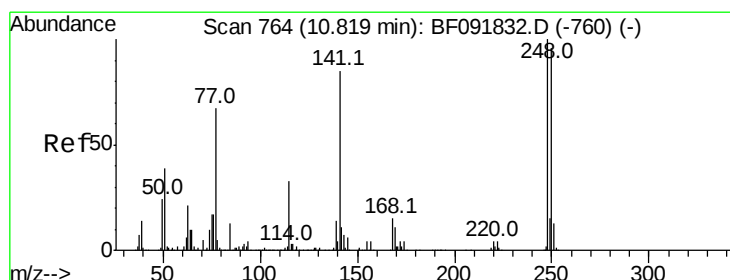
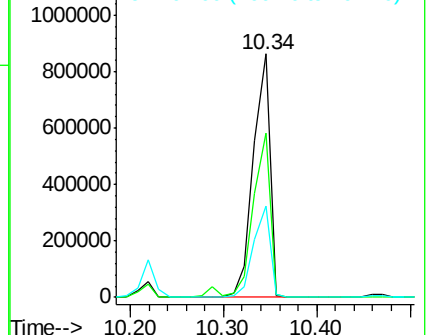
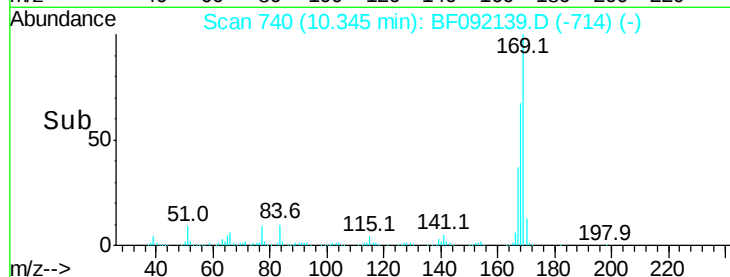
169 100

168 67.6 54.2 81.2

167 37.5 30.2 45.4



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 47.12 ng

RT: 10.70 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

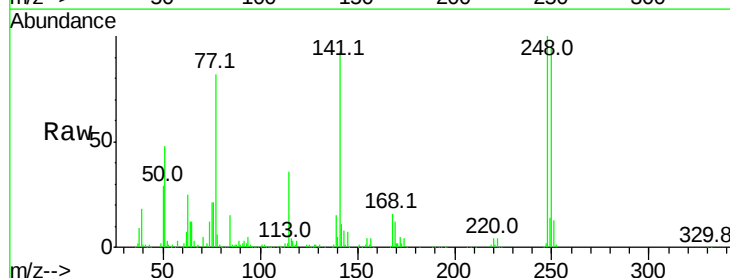
Tgt Ion:248 Resp: 324773

Ion Ratio Lower Upper

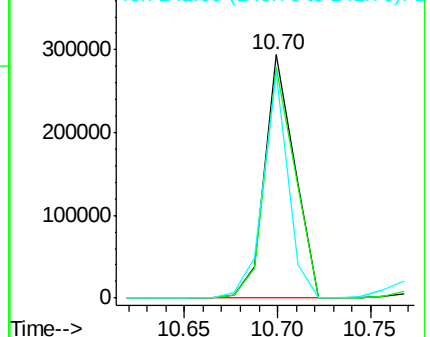
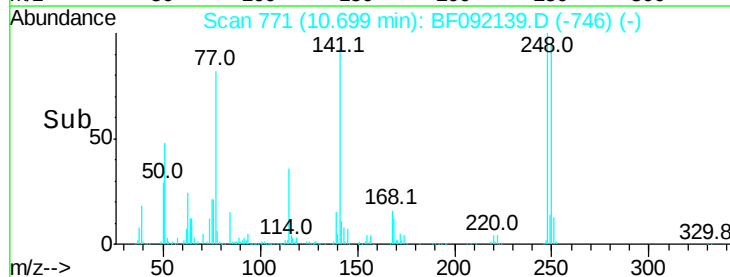
248 100

250 94.9 76.9 115.3

141 92.8 68.2 102.4



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

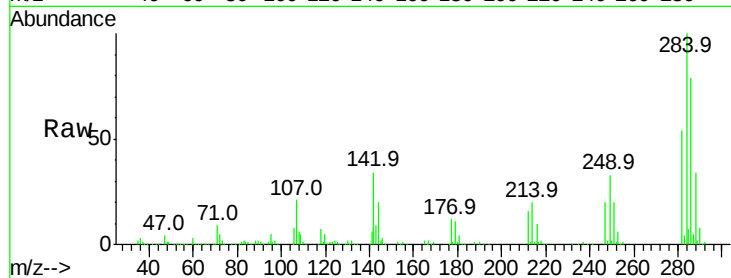




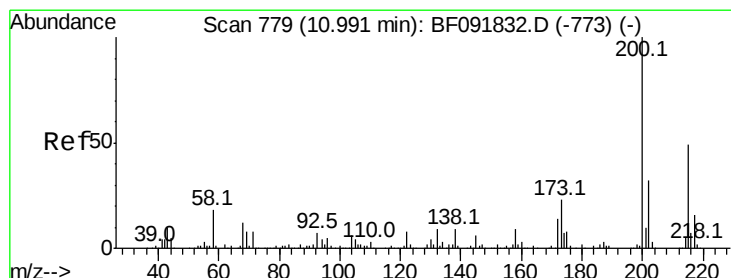
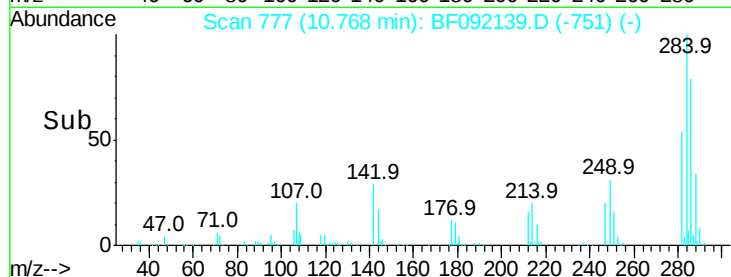
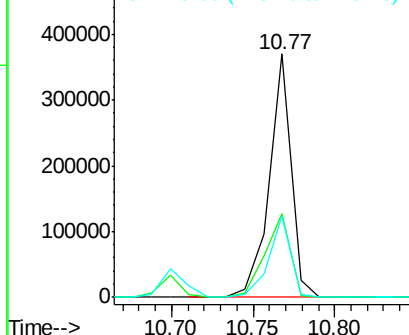
#67
Hexachlorobenzene
Concen: 46.95 ng
RT: 10.77 min Scan# 777
Delta R.T. 0.00 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

Tot Ion:284 Resp: 345848
Ion Ratio Lower Upper
284 100
142 34.4 22.6 33.8#
249 33.1 25.4 38.0

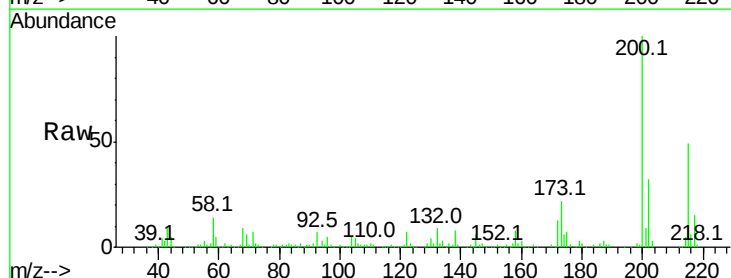


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

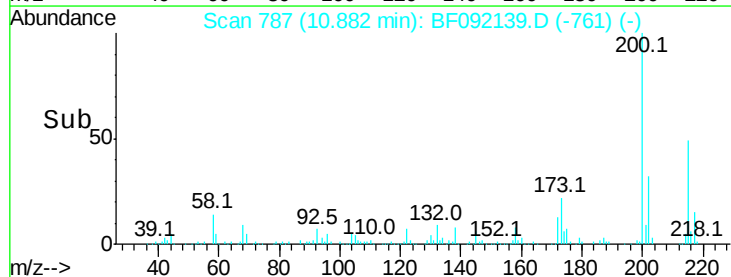
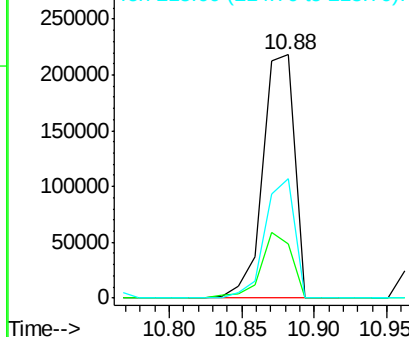


#68
Atrazine
Concen: 51.97 ng
RT: 10.88 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Tgt Ion:200 Resp: 329622
Ion Ratio Lower Upper
200 100
173 22.1 9.6 49.6
215 48.9 25.7 65.7



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

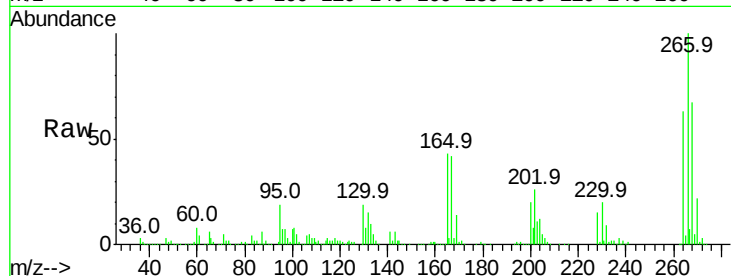




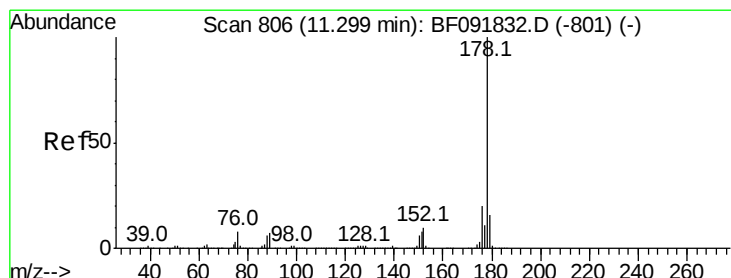
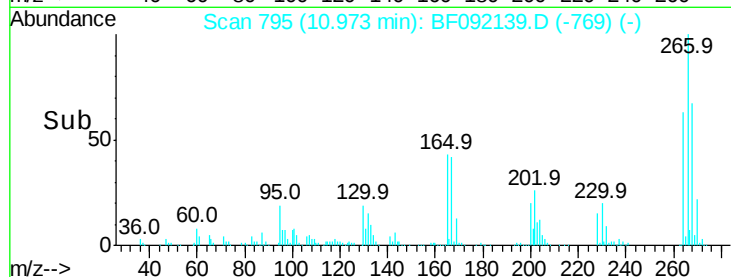
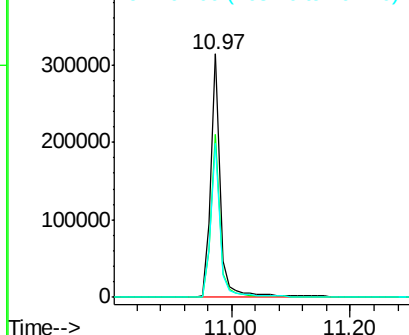
#69
 Pentachlorophenol
 Concen: 98.34 ng
 RT: 10.97 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :
 L-SWITCH-SP-0-2-COMPMSD

Tot Ion:266 Resp: 355492
 Ion Ratio Lower Upper
 266 100
 268 66.8 53.3 79.9
 264 63.0 50.3 75.5

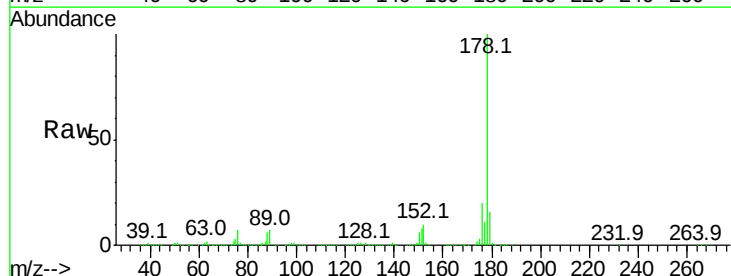


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

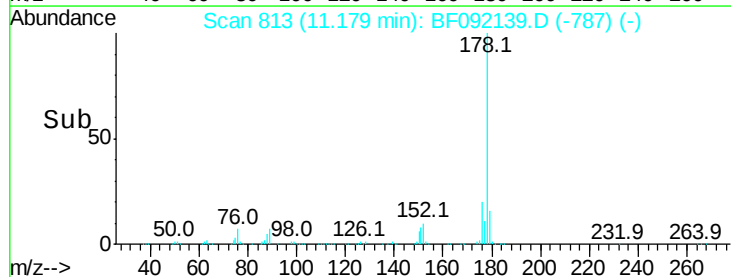
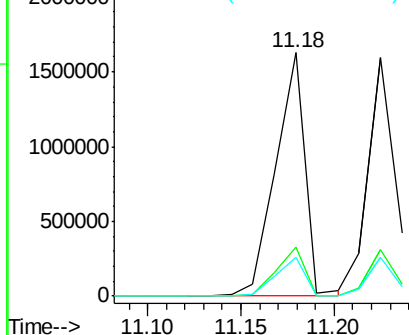


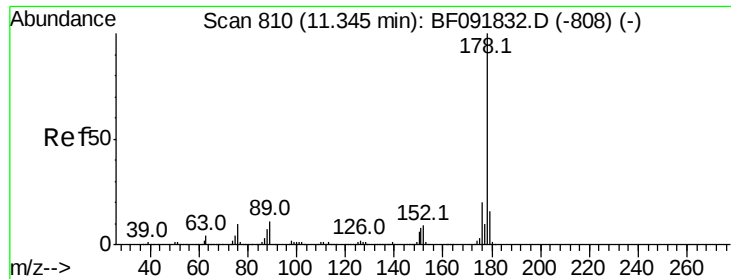
#70
 Phenanthrene
 Concen: 49.44 ng
 RT: 11.18 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Tgt Ion:178 Resp: 1776183
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.6 25.0
 179 15.9 12.8 19.2



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

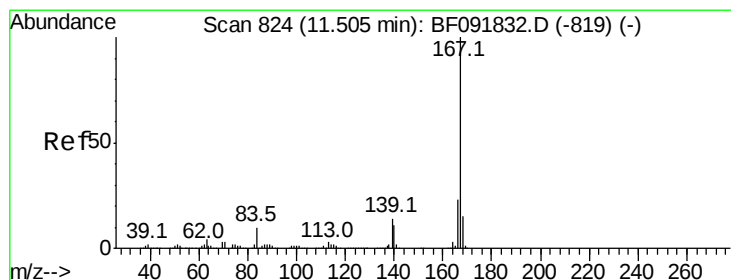
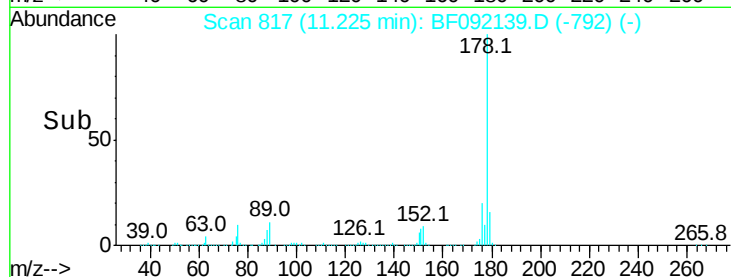
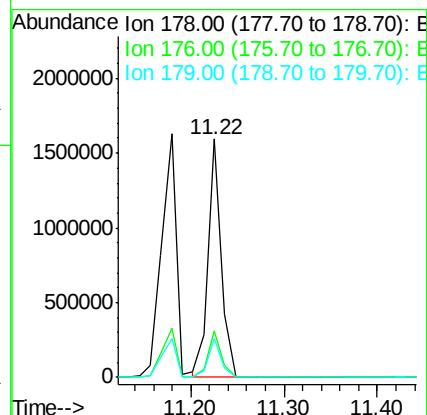
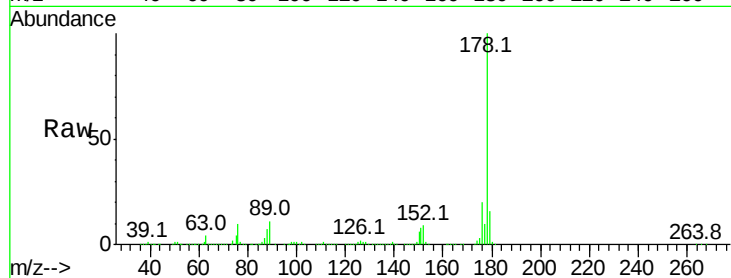




#71
 Anthracene
 Concen: 53.16 ng
 RT: 11.22 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

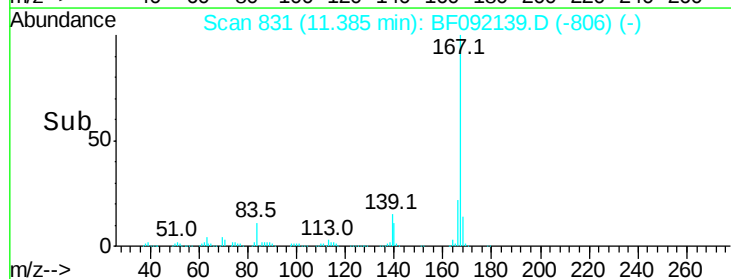
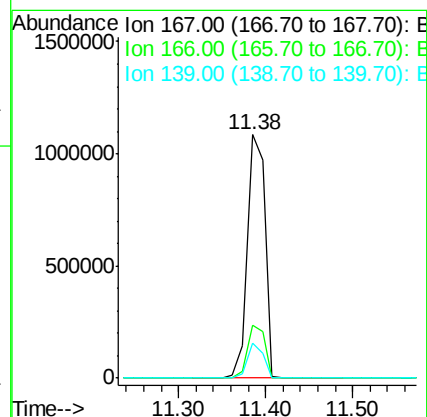
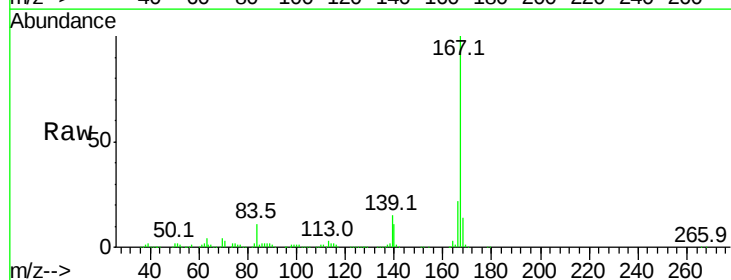
Instrument :
 BNA_F
 ClientSampleId :
 L-SWITCH-SP-0-2-COMPMSD

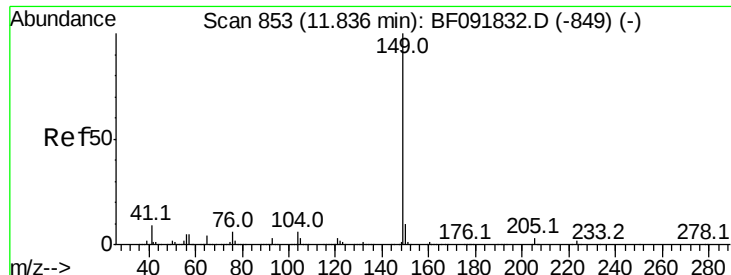
Tot Ion:178 Resp: 1588733
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.9 23.9
 179 16.1 13.2 19.8



#72
 Carbazole
 Concen: 62.68 ng
 RT: 11.38 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Tgt Ion:167 Resp: 1528942
 Ion Ratio Lower Upper
 167 100
 166 21.9 18.2 27.2
 139 14.5 11.4 17.2

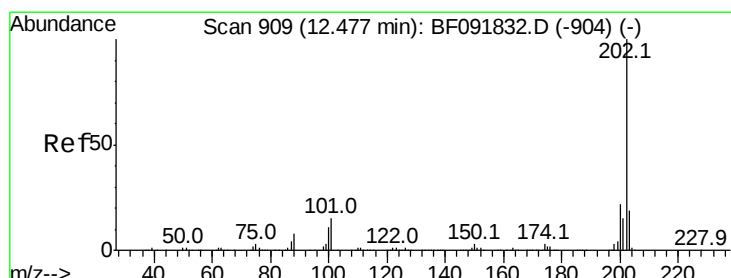
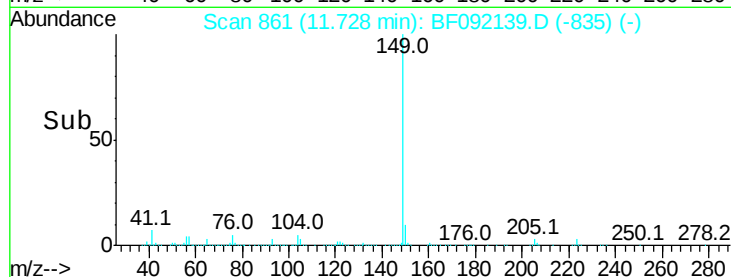
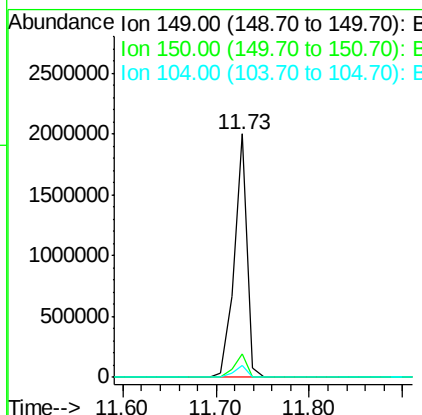
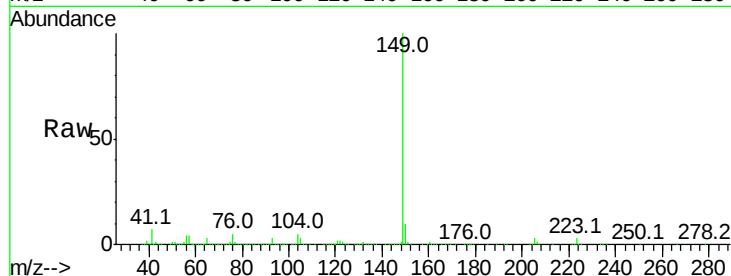




#73
Di-n-butylphthalate
Concen: 57.44 ng
RT: 11.73 min Scan# 861
Delta R.T. 0.00 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

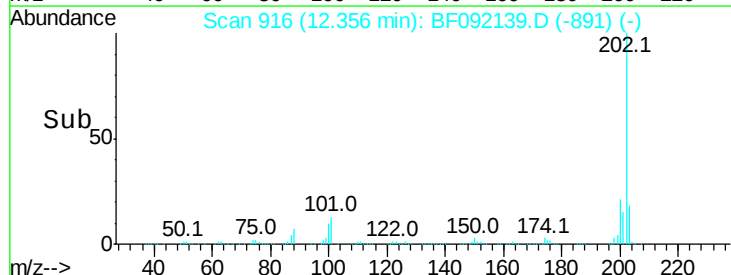
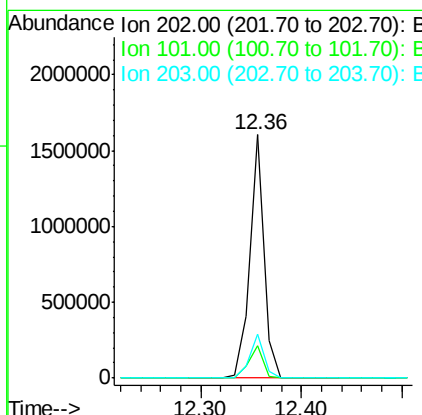
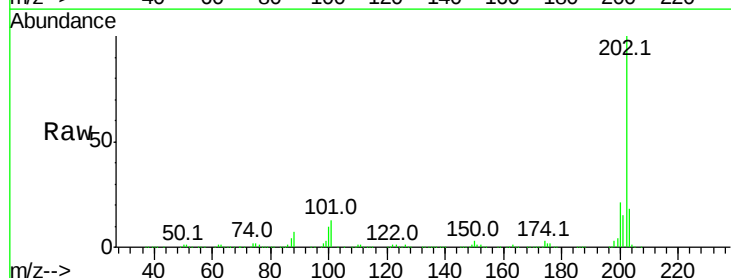
Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

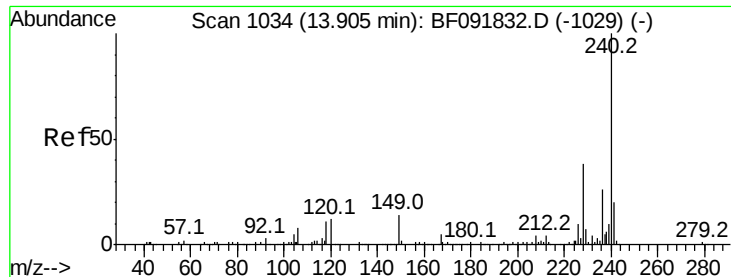
Tot Ion:149 Resp: 1916757
Ion Ratio Lower Upper
149 100
150 9.7 8.1 12.1
104 5.1 4.6 7.0



#74
Fluoranthene
Concen: 50.43 ng
RT: 12.36 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Tgt Ion:202 Resp: 1575121
Ion Ratio Lower Upper
202 100
101 13.3 0.0 34.6
203 18.1 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

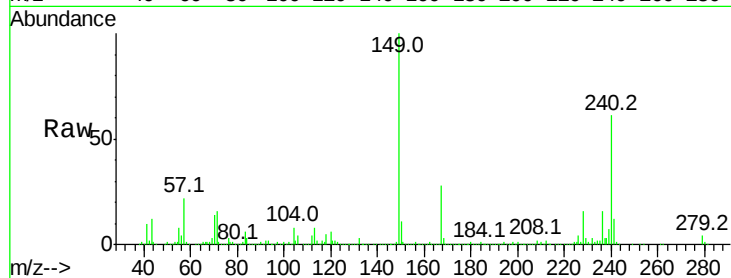
Tot Ion:240 Resp: 456885

Ion Ratio Lower Upper

240 100

120 9.8 12.9 19.3#

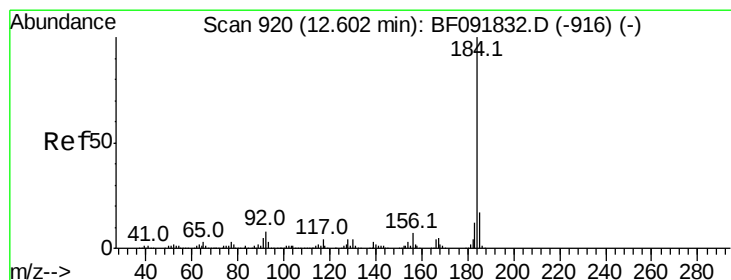
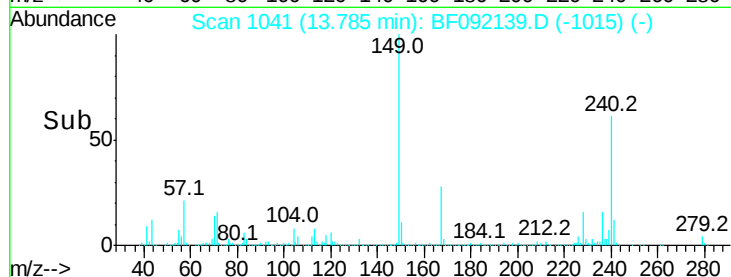
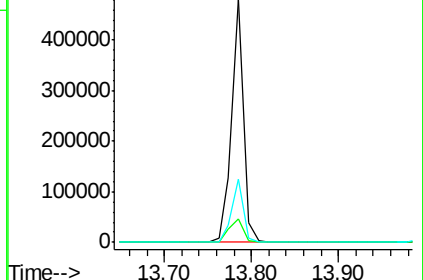
236 26.0 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 50.24 ng

RT: 12.48 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

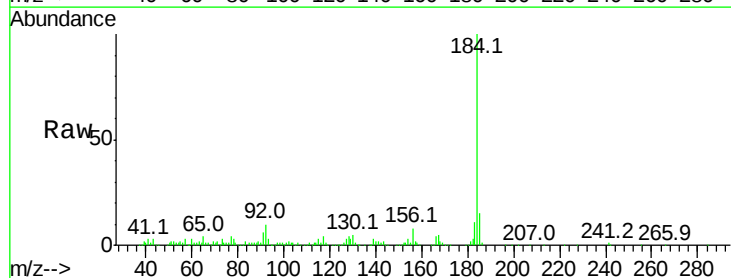
Tgt Ion:184 Resp: 568919

Ion Ratio Lower Upper

184 100

185 15.3 13.4 20.0

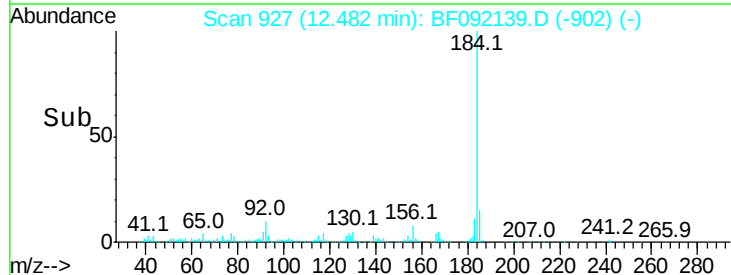
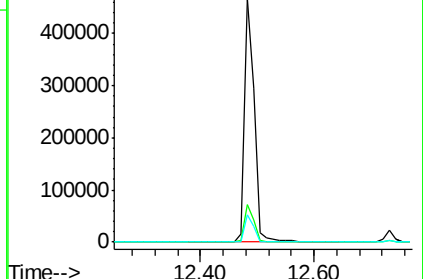
183 11.3 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

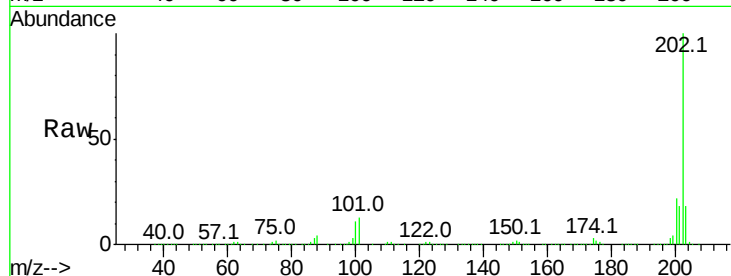




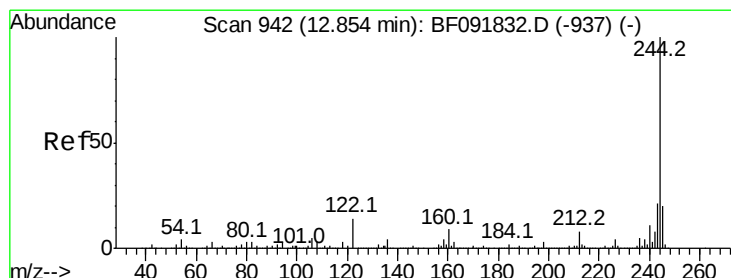
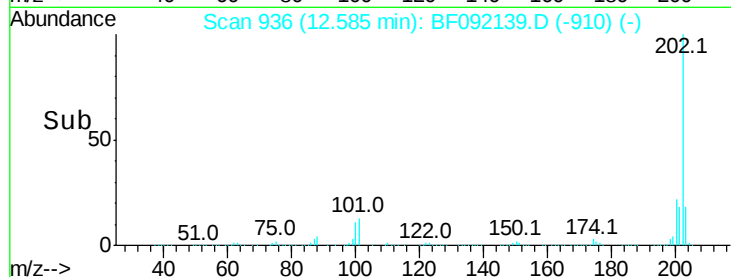
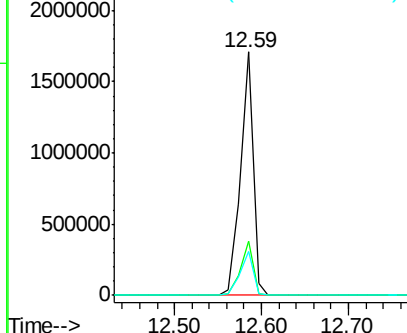
#77
Pvrene
Concen: 50.83 ng
RT: 12.59 min Scan# 936
Delta R.T. 0.00 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

Tot Ion:202 Resp: 1703769
Ion Ratio Lower Upper
202 100
200 22.0 17.7 26.5
203 18.1 14.7 22.1

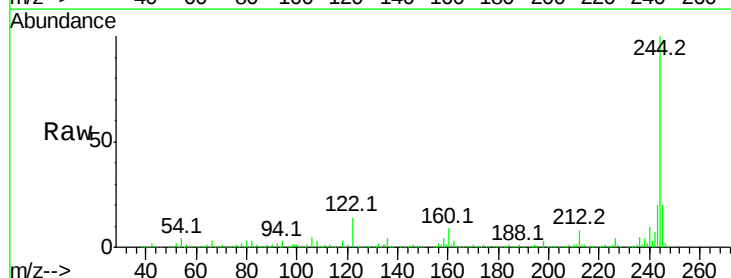


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

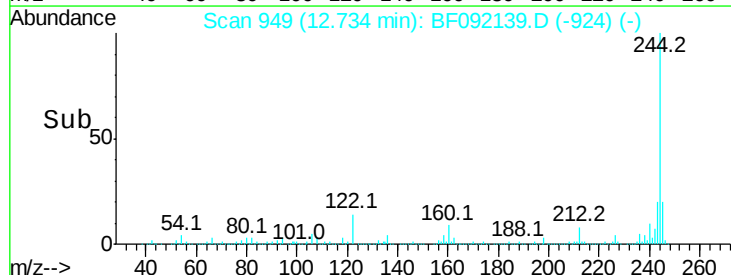
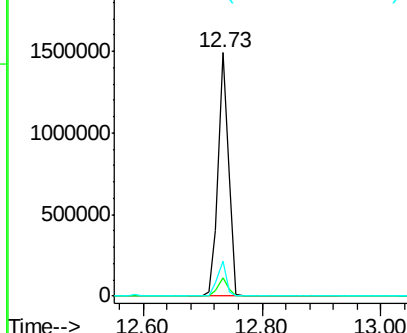


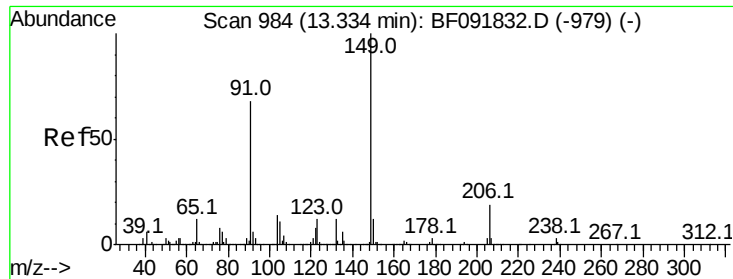
#78
Terphenyl-d14
Concen: 96.99 ng
RT: 12.73 min Scan# 949
Delta R.T. -0.01 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Tgt Ion:244 Resp: 1827118
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 14.5 11.4 17.2



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

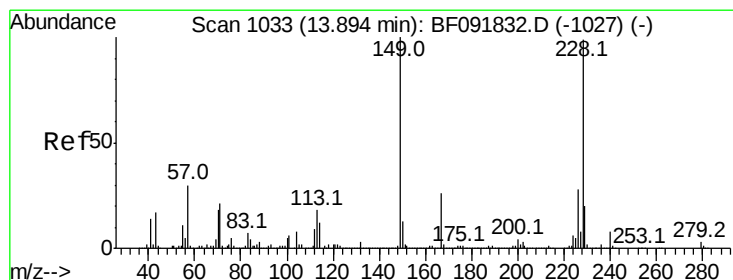
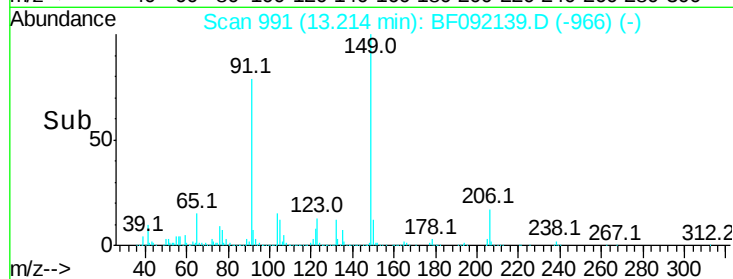
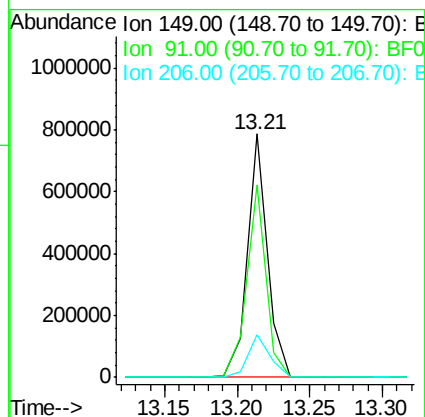
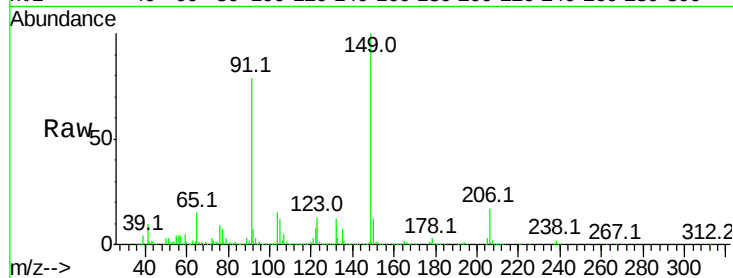




#79
Butylbenzylphthalate
Concen: 49.31 ng
RT: 13.21 min Scan# 991
Delta R.T. -0.01 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

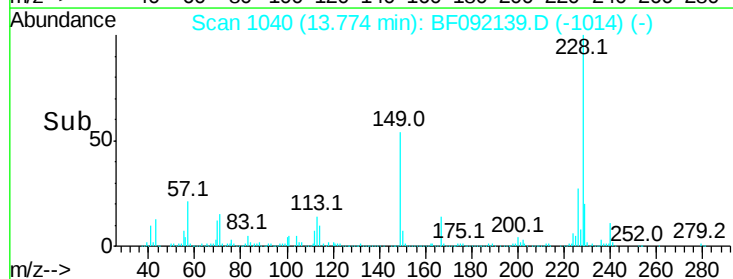
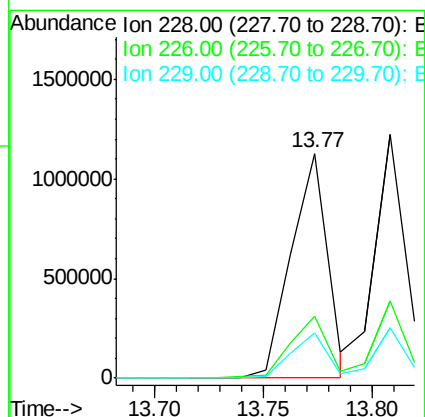
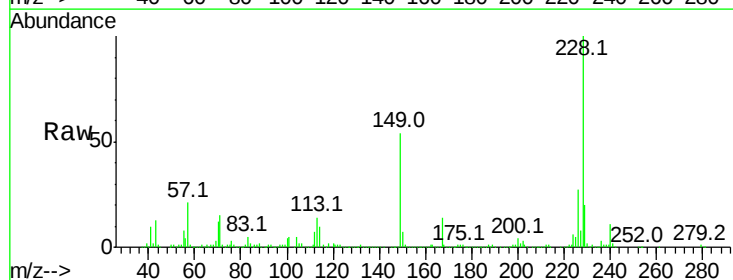
Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	79.2	63.9	95.9
206	17.4	14.6	21.8



#80
Benzo(a)anthracene
Concen: 51.13 ng
RT: 13.77 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF092139.D
Acq: 9 Jan 2017 15:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.4	33.6
229	20.3	16.2	24.4

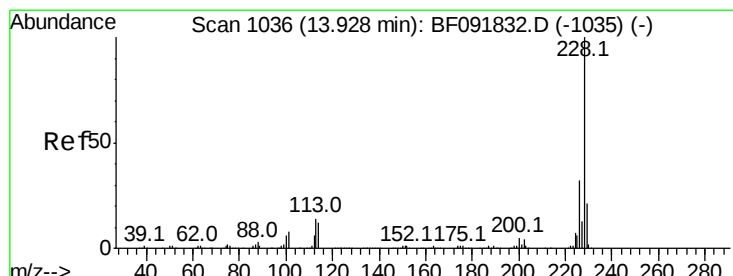
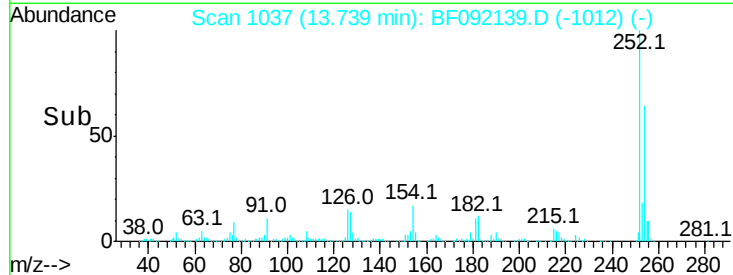
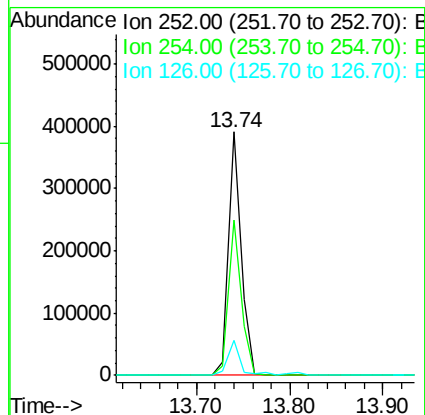
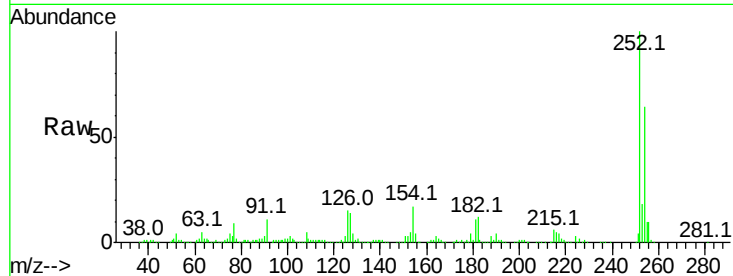




#81
 3,3'-Dichlorobenzidine
 Concen: 38.09 ng
 RT: 13.74 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

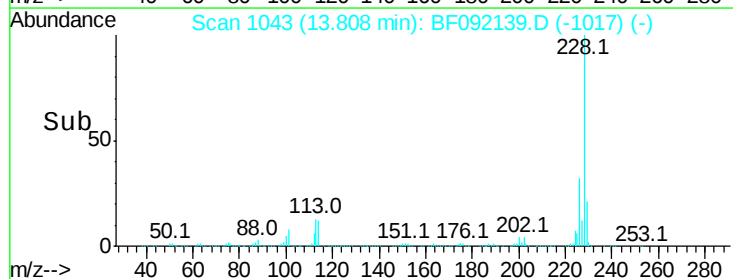
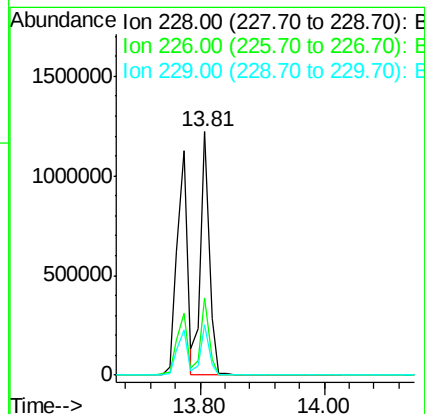
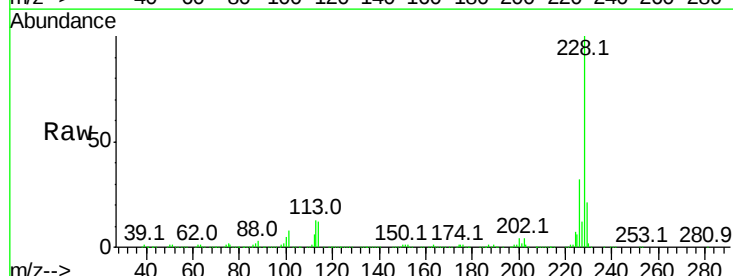
Instrument :
 BNA_F
 ClientSampleId :
 L-SWITCH-SP-0-2-COMPMSD

Tot Ion:252 Resp: 372485
 Ion Ratio Lower Upper
 252 100
 254 63.7 52.3 78.5
 126 14.6 13.6 20.4



#82
 Chrysene
 Concen: 46.99 ng
 RT: 13.81 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Tgt Ion:228 Resp: 1215644
 Ion Ratio Lower Upper
 228 100
 226 31.8 25.4 38.0
 229 20.9 16.2 24.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 55.92 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

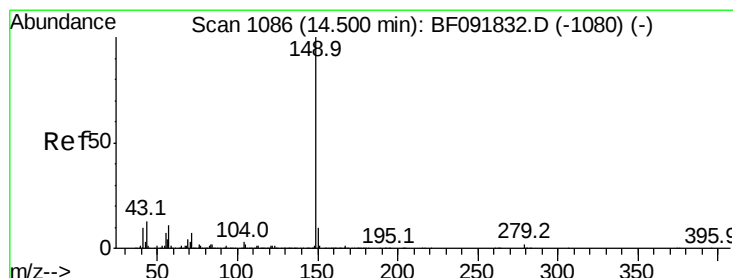
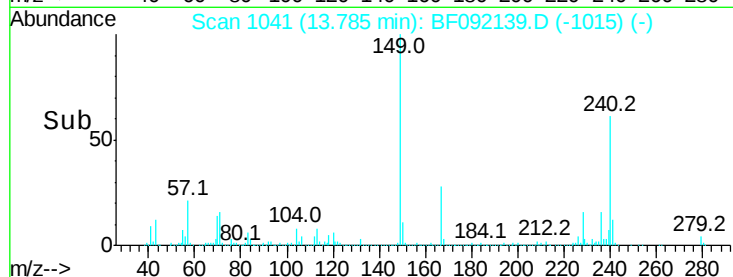
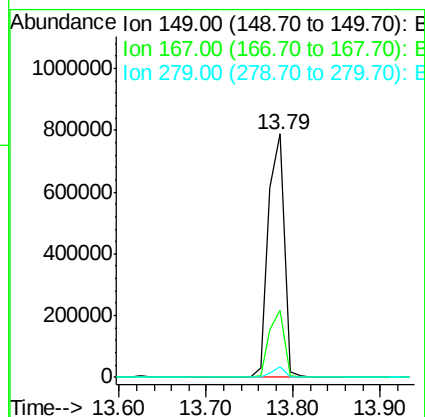
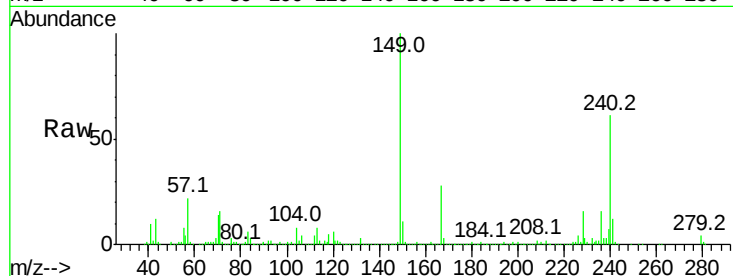
Tot Ion:149 Resp: 1004111

Ion Ratio Lower Upper

149 100

167 27.7 20.2 30.4

279 4.4 1.8 2.8#



#84

Di-n-octyl phthalate

Concen: 54.43 ng

RT: 14.39 min Scan# 1094

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

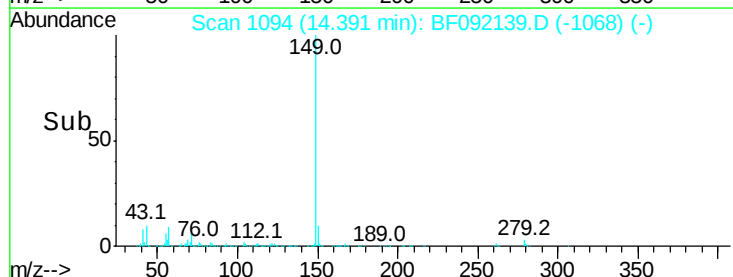
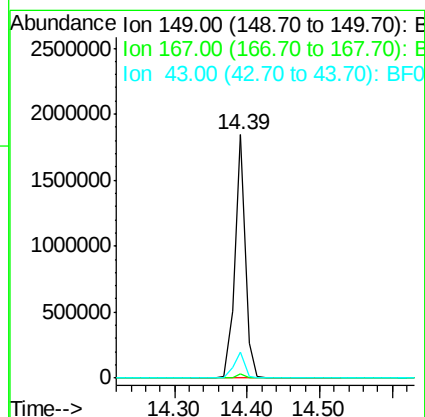
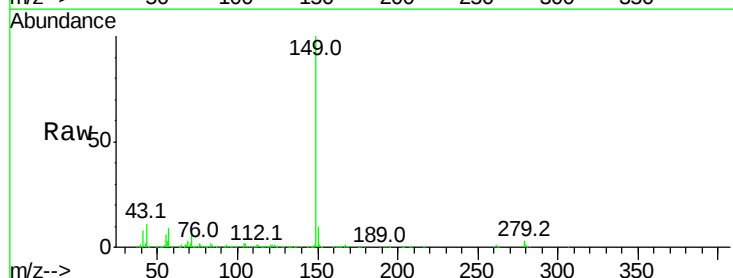
Tgt Ion:149 Resp: 1810287

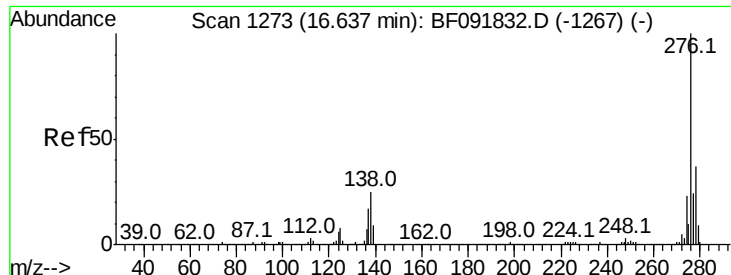
Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 10.9 8.9 13.3



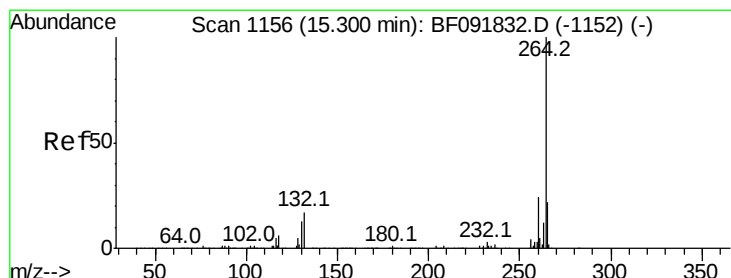
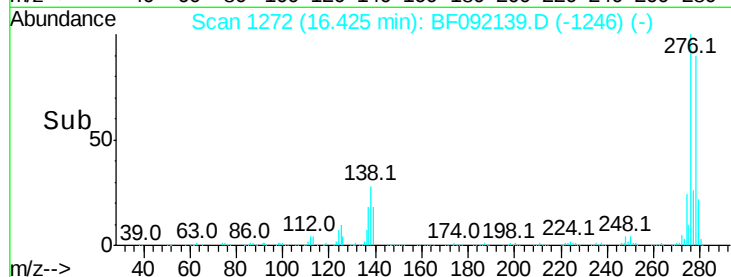
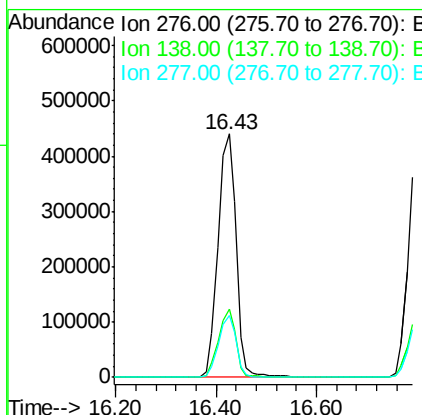
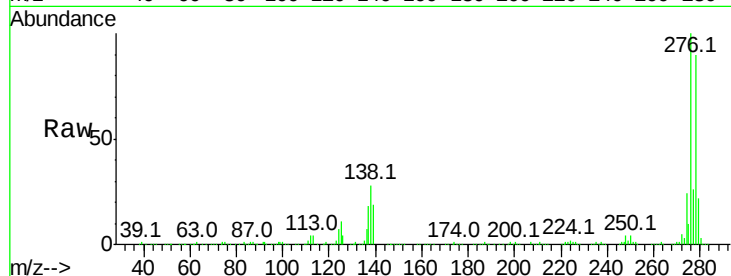


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 49.51 ng
 RT: 16.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Instrument :
 BNA_F
 ClientSampleId :
 L-SWITCH-SP-0-2-COMPMSD

Tot Ion:276 Resp: 1109533

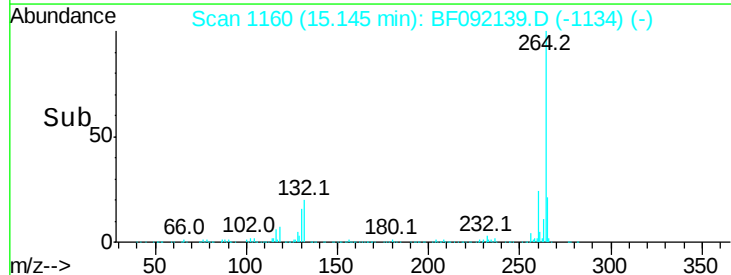
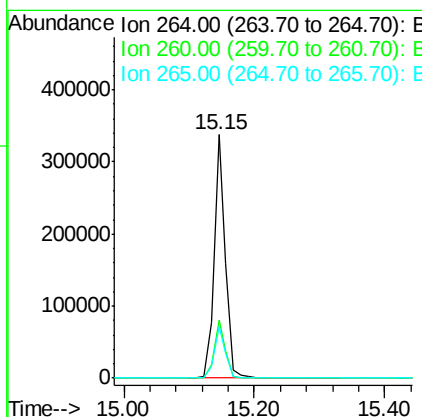
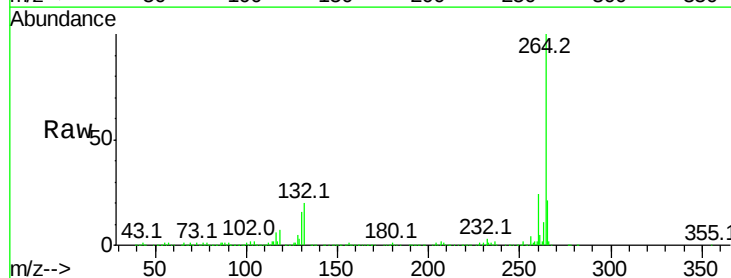
Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.8	32.6
277	24.7	20.2	30.4

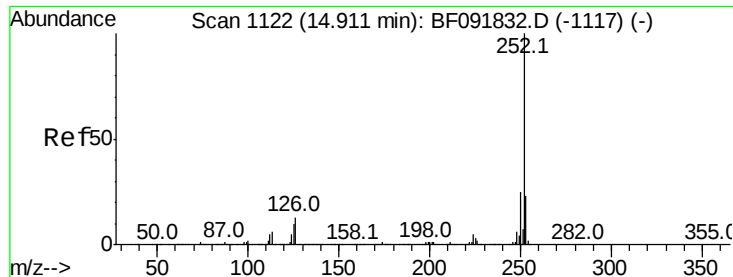


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BF092139.D
 Acq: 9 Jan 2017 15:32

Tgt Ion:264 Resp: 408712

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.2	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 90.15 ng

RT: 14.80 min Scan# 1130

Delta R.T. 0.02 min

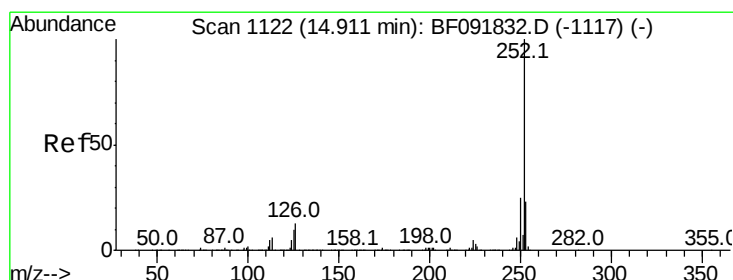
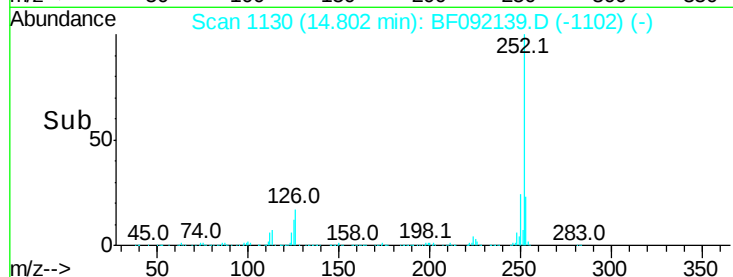
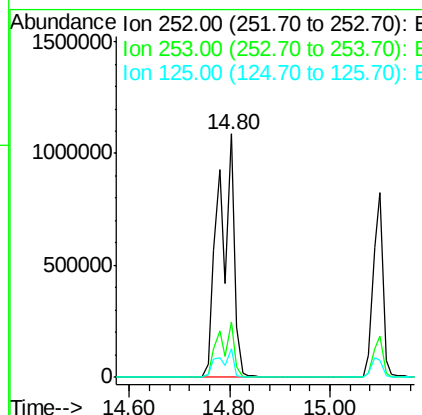
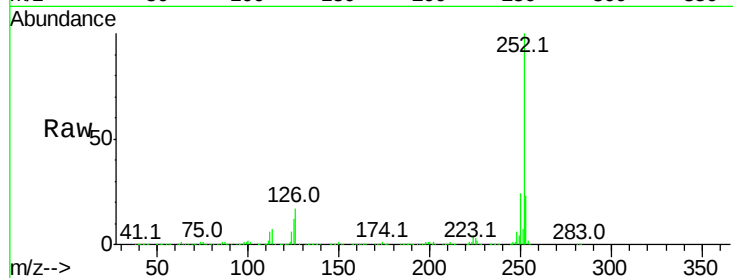
Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :
BNA_F
ClientSampleId :
L-SWITCH-SP-0-2-COMPMSD

Tot Ion:252 Resp: 2293888

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	11.7	9.8	14.6



#88

Benzo(k)fluoranthene

Concen: 105.72 ng

RT: 14.80 min Scan# 1130

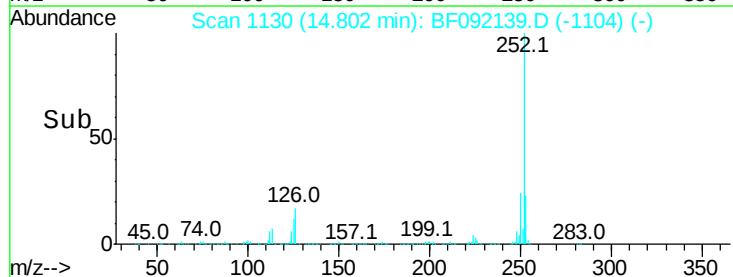
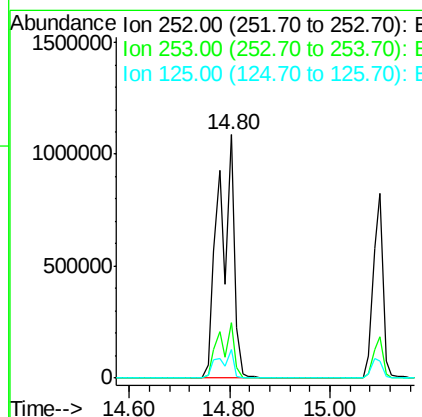
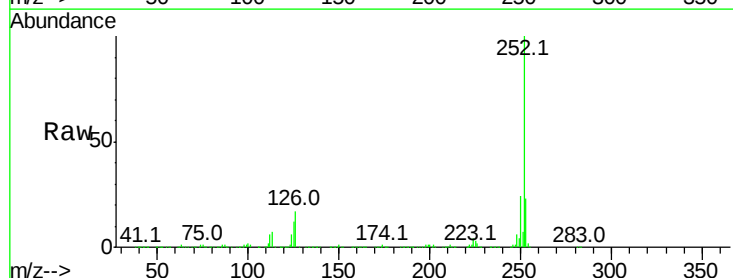
Delta R.T. 0.00 min

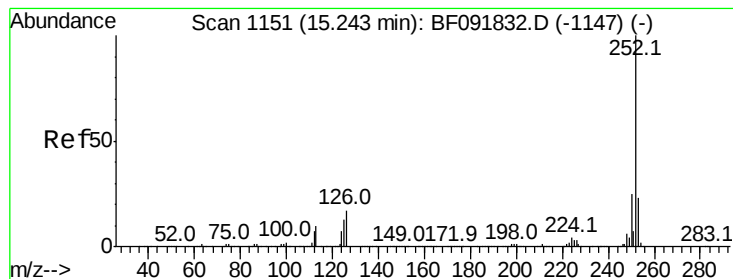
Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Tgt Ion:252 Resp: 2293888

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.5	27.7
125	11.7	8.9	13.3





#89

Benzo(a)pyrene

Concen: 49.10 ng

RT: 15.10 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

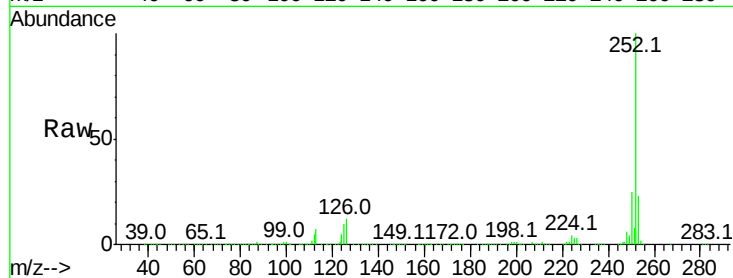
Tot Ion:252 Resp: 1108872

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

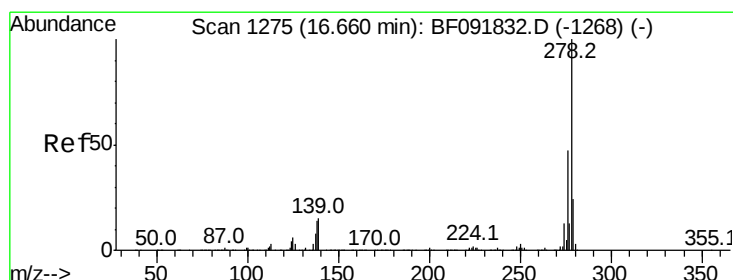
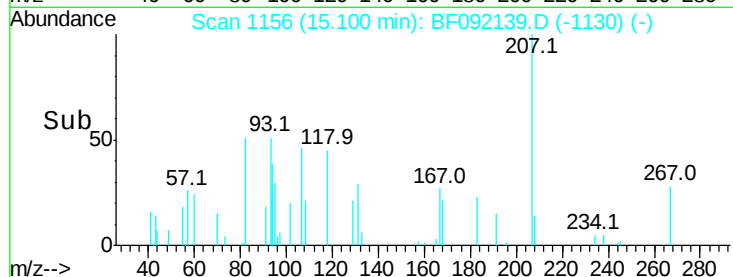
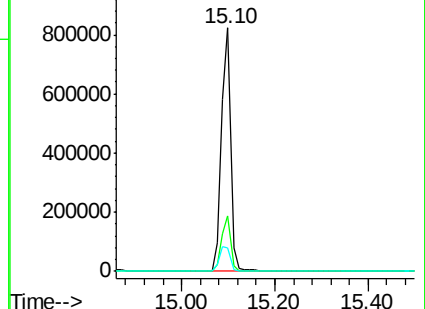
125 9.5 10.0 15.0#



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: 48.66 ng

RT: 16.44 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

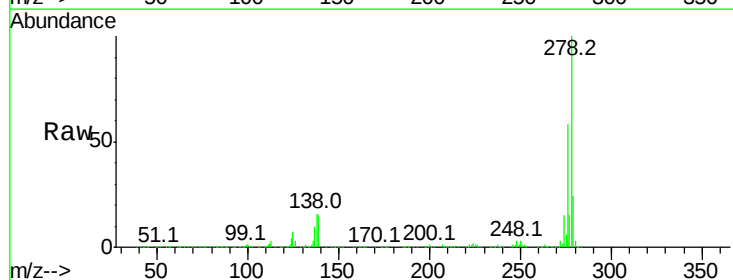
Tgt Ion:278 Resp: 903266

Ion Ratio Lower Upper

278 100

139 15.1 14.8 22.2

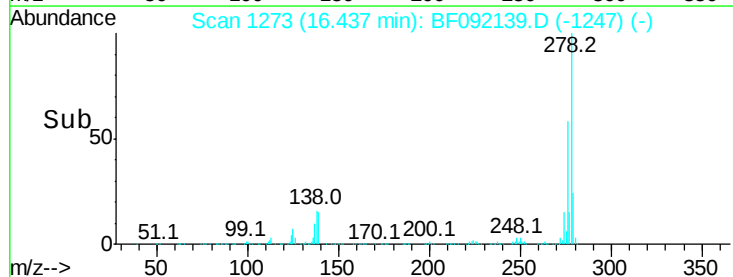
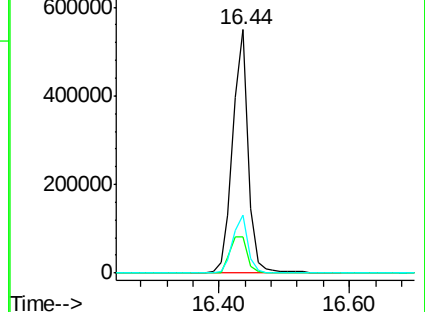
279 24.0 19.8 29.6

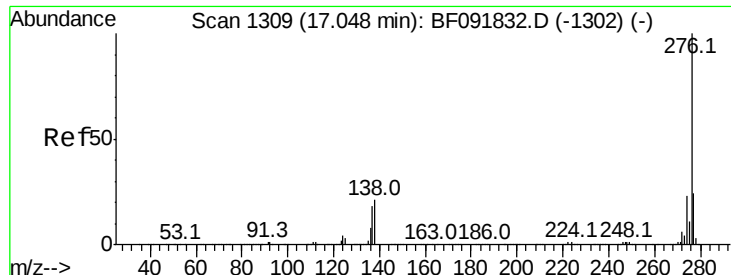


Abundance Ion 278.00 (277.70 to 278.70): E

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: 48.89 ng

RT: 16.80 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF092139.D

Acq: 9 Jan 2017 15:32

Instrument :

BNA_F

ClientSampleId :

L-SWITCH-SP-0-2-COMPMSD

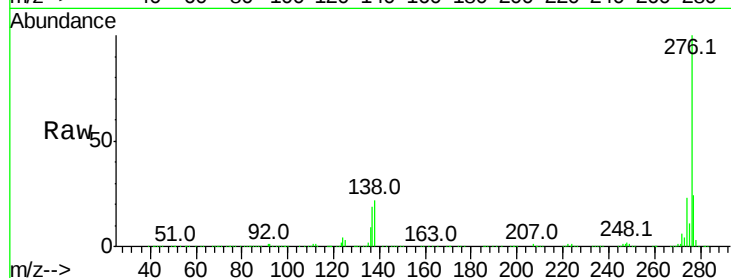
Tot Ion: 276 Resp: 943687

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 21.6 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

