

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
 Data File : BF093342.D
 Acq On : 3 Mar 2017 1:07
 Operator : SJ/MA
 Sample : I2003-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB421A

Quant Time: Mar 03 02:29:19 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 00:22:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	143347	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	274931	20.00	ng	0.02
38) Acenaphthene-d10	9.92	164	61586	20.00	ng	0.06
63) Phenanthrene-d10	11.40	188	119123	20.00	ng	0.06
75) Chrysene-d12	14.00	240	220224	20.00	ng	0.01
86) Perylene-d12	15.43	264	236763	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	640580	76.67	ng	-0.01
7) Phenol-d6	6.44	99	761361	70.82	ng	-0.01
23) Nitrobenzene-d5	7.37	82	502782	101.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	35835	80.45	ng	0.07
44) 2-Fluorobiphenyl	9.22	172	245562	72.24	ng	0.05
78) Terphenyl-d14	12.96	244	304869	32.53	ng	0.03

Target Compounds

						Qvalue
9) Benzaldehyde	6.30	77	26025	3.38	ng	# 1
12) 1,3-Dichlorobenzene	6.82	146	41629	3.86	ng	# 91
13) 1,4-Dichlorobenzene	6.82	146	41629	3.81	ng	# 59
14) 1,2-Dichlorobenzene	6.97	146	135686	12.99	ng	# 65
15) Benzyl Alcohol	6.98	79	19868	2.50	ng	# 45
18) Hexachloroethane	7.30	117	35741	9.58	ng	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	85010	12.42	ng	# 70
20) 3+4-Methylphenols	7.25	107	21513	2.28	ng	# 1
22) Acetophenone	7.28	105	39095	6.23	ng	# 1
24) Nitrobenzene	7.46	77	76696	15.13	ng	# 54
25) Isophorone	7.62	82	355399	38.63	ng	# 1
26) 2-Nitrophenol	7.78	139	60537	25.12	ng	# 1
27) 2,4-Dimethylphenol	7.74	122	55068	13.01	ng	# 7
28) bis(2-Chloroethoxy)methane	7.89	93	68148	11.18	ng	# 1
29) 2,4-Dichlorophenol	7.95	162	39138	9.92	ng	# 1
30) 1,2,4-Trichlorobenzene	7.98	180	32060	7.54	ng	# 67
31) Naphthalene	8.13	128	520164	37.32	ng	# 74
32) Benzoic acid	7.90	122	42273	22.16	ng	# 1
33) 4-Chloroaniline	8.24	127	26990	4.94	ng	# 10
35) Caprolactam	8.58	113	333204	268.38	ng	# 1
36) 4-Chloro-3-methylphenol	8.61	107	88009	21.39	ng	# 39
37) 2-Methylnaphthalene	8.86	142	442629	49.46	ng	# 85
42) 2,4,6-Trichlorophenol	9.14	196	12695	11.18	ng	# 12
43) 2,4,5-Trichlorophenol	9.21	196	2661	2.14	ng	# 1
45) 1,1'-Biphenyl	9.33	154	58319	13.08	ng	# 49
46) 2-Chloronaphthalene	9.41	162	15418	4.42	ng	# 1
47) 2-Nitroaniline	9.54	65	6589	5.62	ng	# 64
48) Acenaphthylene	9.78	152	33219	5.51	ng	# 1
49) Dimethylphthalate	9.61	163	59678	14.39	ng	# 26
50) 2,6-Dinitrotoluene	9.70	165	36644	40.90	ng	# 69
51) Acenaphthene	9.95	154	376686	104.54	ng	# 90
52) 3-Nitroaniline	9.87	138	37170	36.26	ng	# 38
53) 2,4-Dinitrophenol	9.96	184	4191	13.39	ng	# 1
54) Dibenzofuran	10.12	168	212899	44.18	ng	# 3

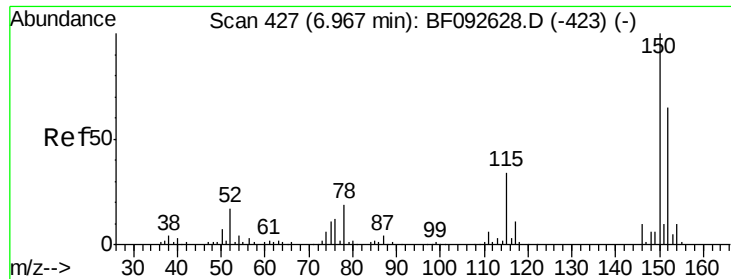
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) 4-Nitrophenol	10.03	139	72519	98.21	ng	# 16
56) 2,4-Dinitrotoluene	10.13	165	44343	37.18	ng	# 61
57) Fluorene	10.46	166	367338	99.08	ng	# 78
58) 2,3,4,6-Tetrachlorophenol	10.22	232	4360	5.25	ng	# 1
59) Diethylphthalate	10.36	149	10494	2.68	ng	# 1
60) 4-Chlorophenyl-phenylether	10.40	204	22747	12.77	ng	# 1
61) 4-Nitroaniline	10.37	138	38440	36.61	ng	92
62) Azobenzene	10.64	77	75248	18.63	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.53	198	7597	12.56	ng	# 1
65) n-Nitrosodiphenylamine	10.51	169	399332	104.94	ng	91
68) Atrazine	11.13	200	44764	36.66	ng	# 1
69) Pentachlorophenol	11.23	266	2900	11.36	ng	# 18
70) Phenanthrene	11.43	178	837658	122.74	ng	# 92
71) Anthracene	11.48	178	234941	34.28	ng	# 61
72) Carbazole	11.62	167	25051	3.82	ng	# 1
73) Di-n-butylphthalate	11.94	149	27837	3.93	ng	# 1
74) Fluoranthene	12.61	202	2246481	319.12	ng	96
77) Pyrene	12.61	202	2235616	135.65	ng	99
80) Benzo(a)anthracene	13.99	228	1748862	129.84	ng	96
82) Chrysene	13.99	228	1748862	138.68	ng	94
83) Bis(2-ethylhexyl)phthalate	13.96	149	114991	12.56	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.84	276	192338	19.69	ng	# 93
87) Benzo(b)fluoranthene	15.03	252	966618	62.03	ng	# 92
88) Benzo(k)fluoranthene	15.03	252	966618	71.84	ng	# 92
89) Benzo(a)pyrene	15.37	252	424070	31.46	ng	# 87
90) Dibenzo(a,h)anthracene	16.84	278	60113	5.52	ng	# 24
91) Benzo(g,h,i)perylene	17.28	276	174783	15.88	ng	# 82

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

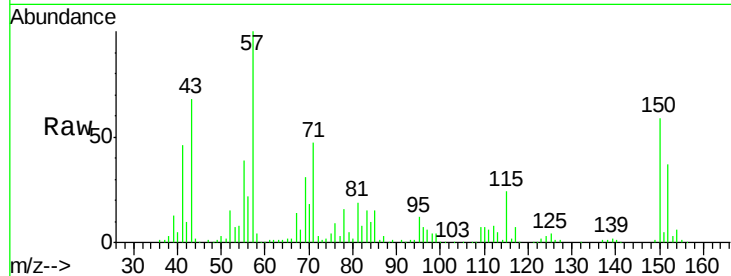


#1

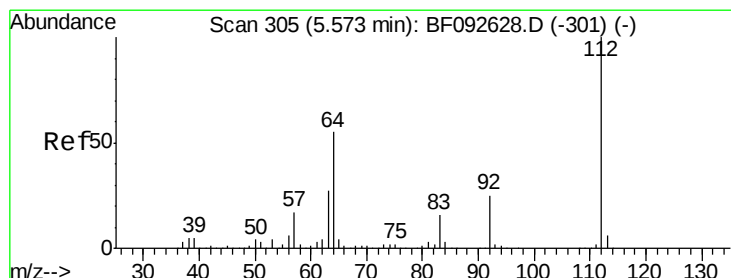
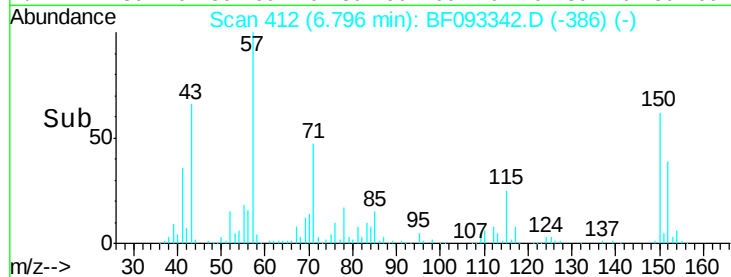
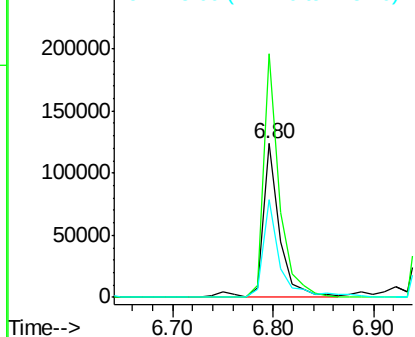
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

Instrument :
BNA_F
ClientSampleId :
HY-SB421A

Tgt Ion:152 Resp: 143347
Ion Ratio Lower Upper
152 100
150 158.3 124.9 187.3
115 63.5 46.0 69.0



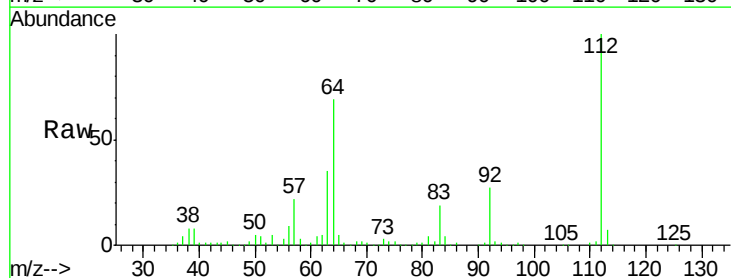
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



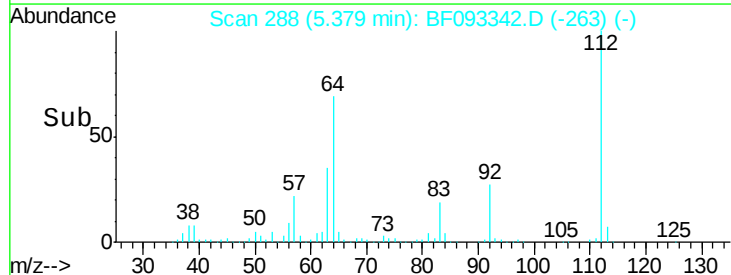
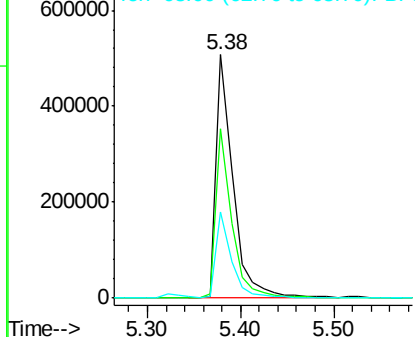
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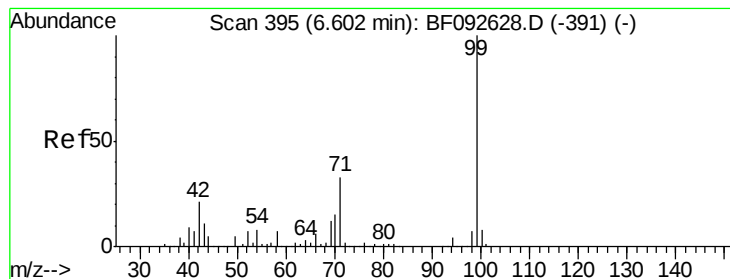
2-Fluorophenol
Concen: 76.67 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.01 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

Tgt Ion:112 Resp: 640580
Ion Ratio Lower Upper
112 100
64 69.4 46.1 69.1#
63 35.4 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 70.82 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

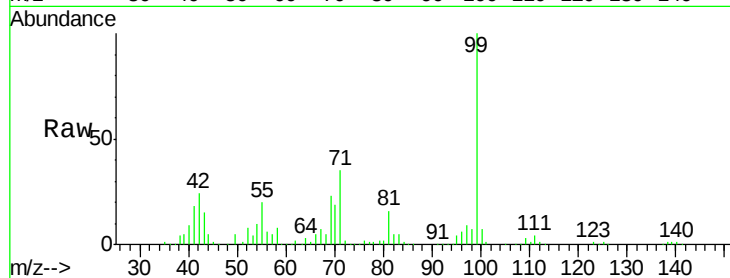
Tgt Ion: 99 Resp: 761361

Ion Ratio Lower Upper

99 100

42 23.7 15.6 23.4#

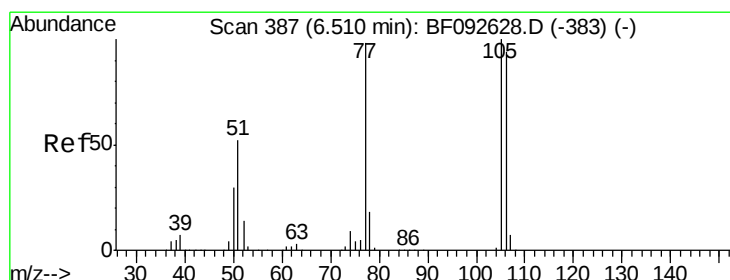
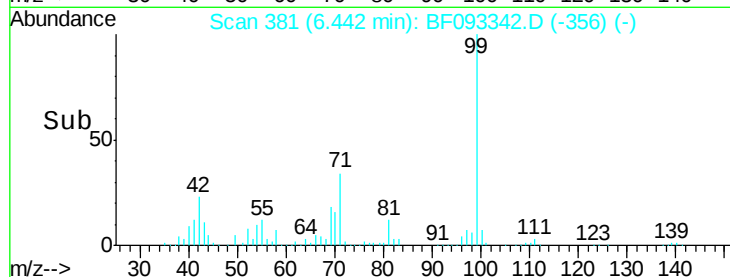
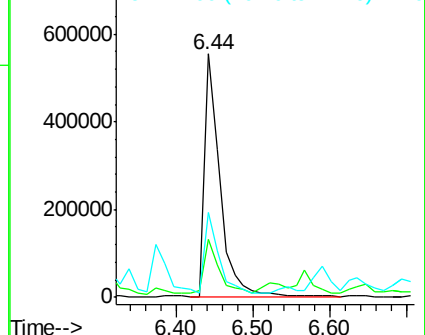
71 34.8 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.38 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

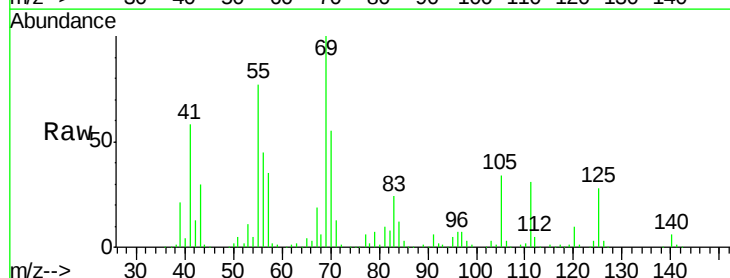
Tgt Ion: 77 Resp: 26025

Ion Ratio Lower Upper

77 100

105 531.1 83.9 123.9#

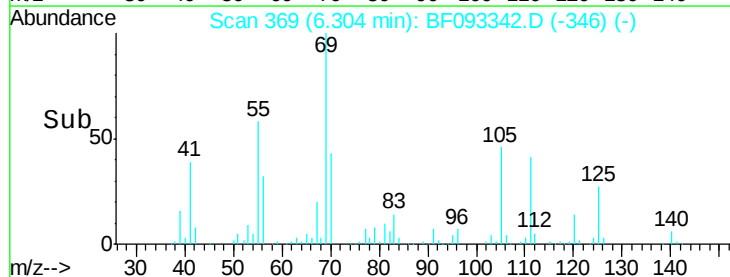
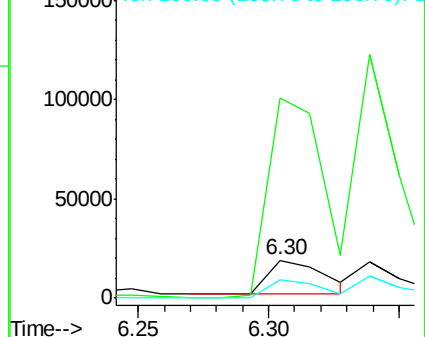
106 49.4 77.6 117.6#

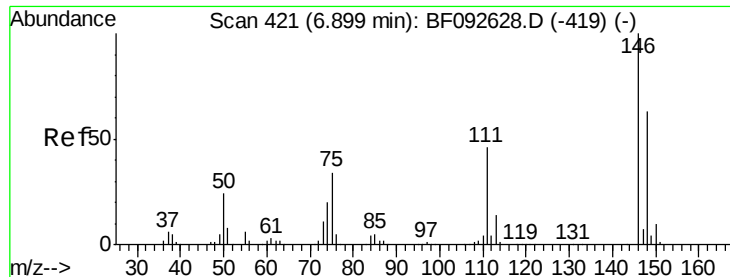


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#12

1,3-Dichlorobenzene

Concen: 3.86 ng

RT: 6.82 min Scan# 414

Delta R.T. 0.08 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

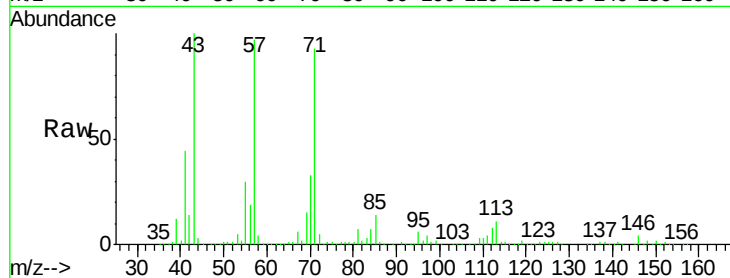
Tgt Ion:146 Resp: 41629

Ion Ratio Lower Upper

146 100

148 62.2 53.4 80.0

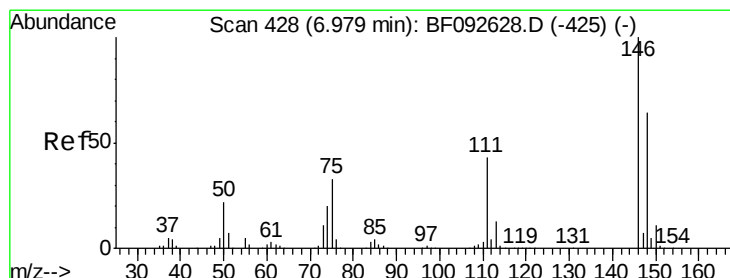
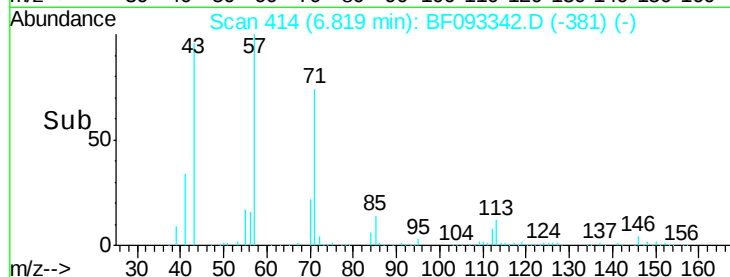
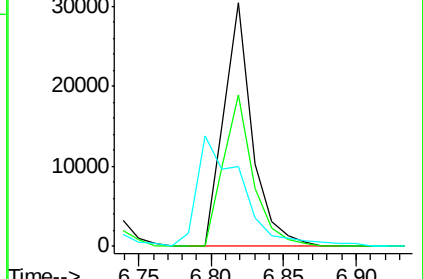
75 32.6 18.5 27.7#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 3.81 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

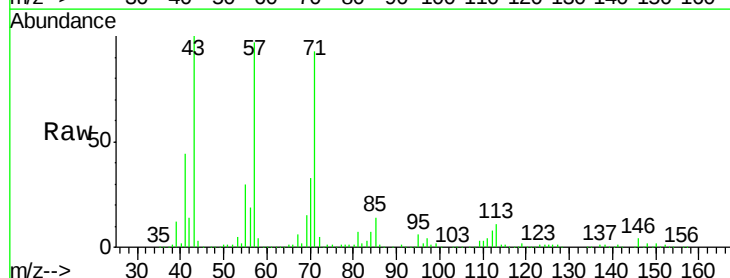
Tgt Ion:146 Resp: 41629

Ion Ratio Lower Upper

146 100

148 62.2 50.6 76.0

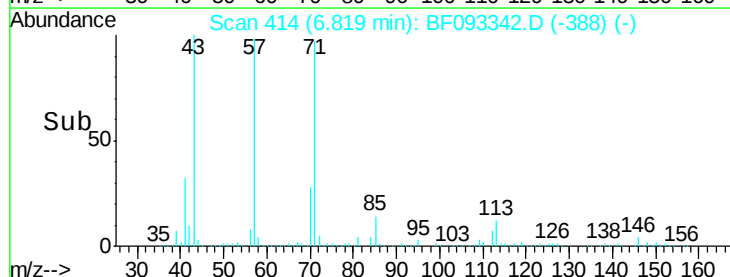
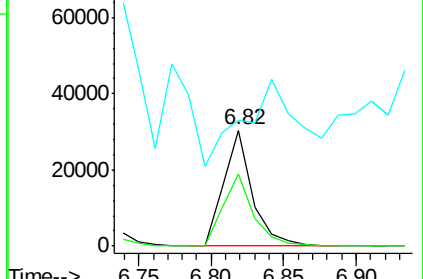
111 108.1 36.2 54.4#

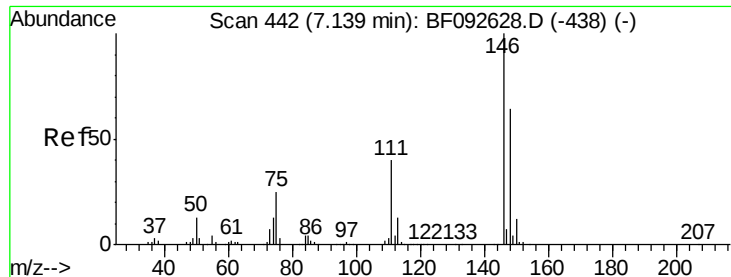


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 12.99 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

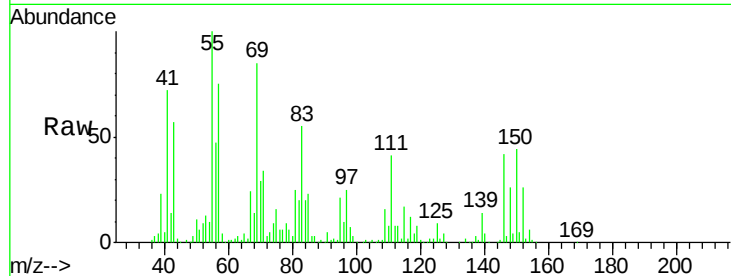
Tgt Ion:146 Resp: 135686

Ion Ratio Lower Upper

146 100

148 63.6 52.2 78.2

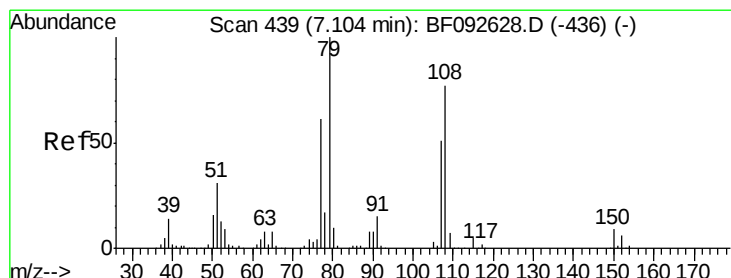
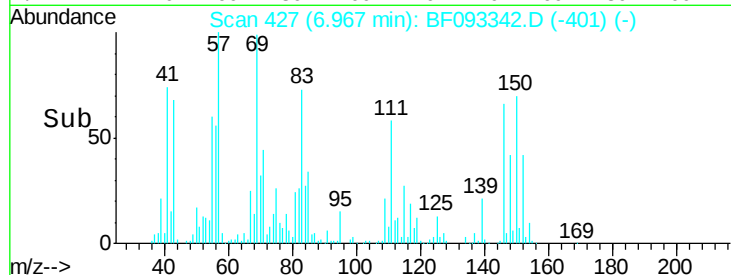
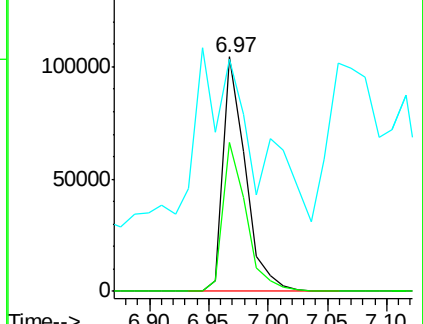
111 99.2 36.2 54.2#



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: 2.50 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.02 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

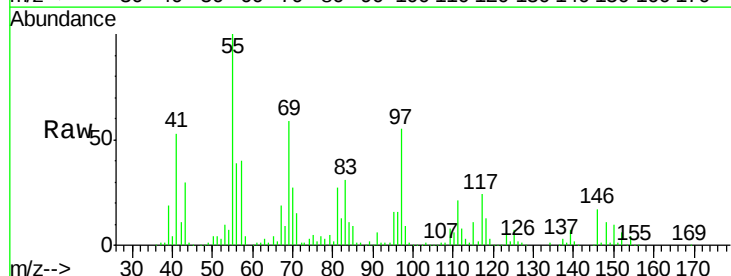
Tgt Ion: 79 Resp: 19868

Ion Ratio Lower Upper

79 100

108 10.4 61.4 92.0#

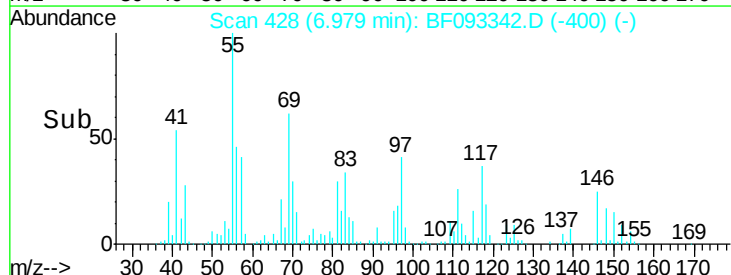
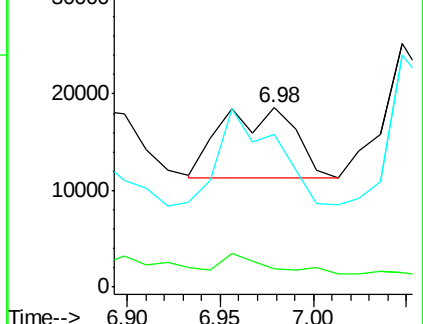
77 85.4 50.9 76.3#

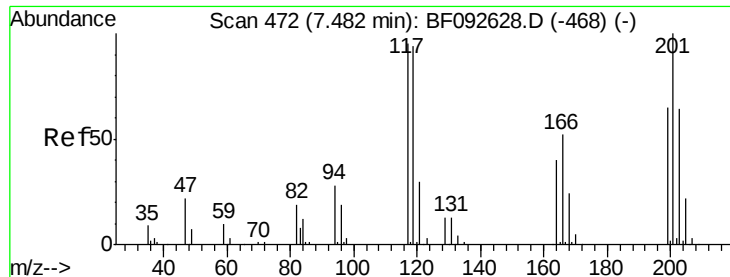


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

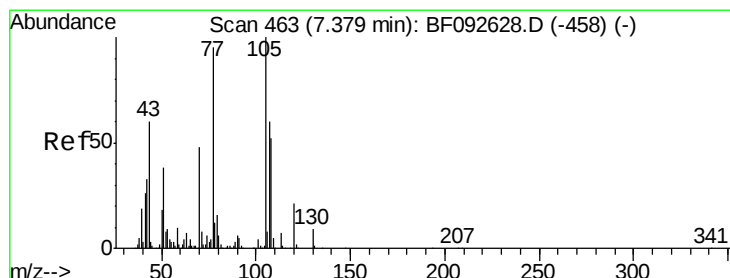
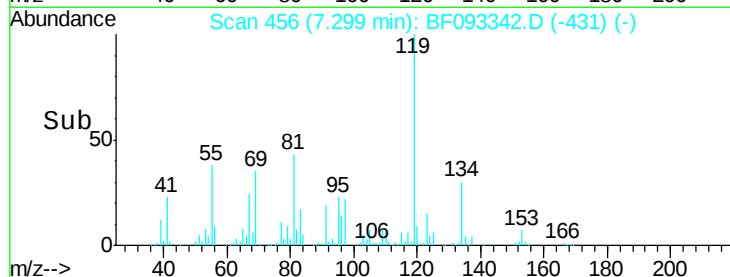
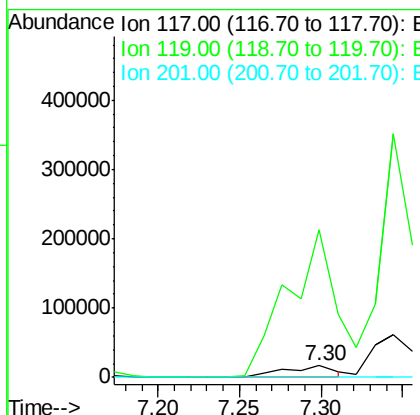
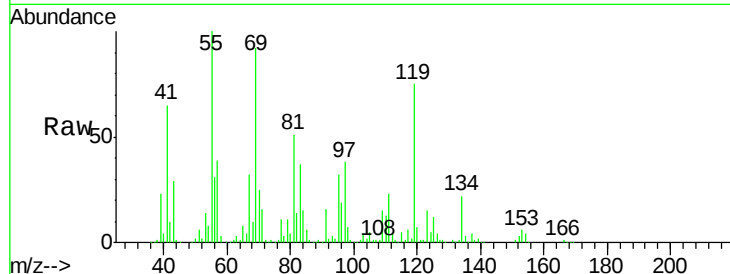




#18
Hexachloroethane
Concen: 9.58 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

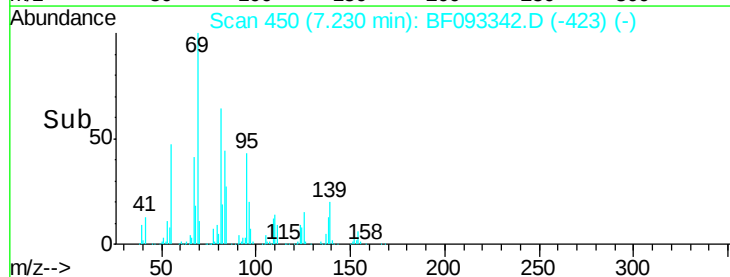
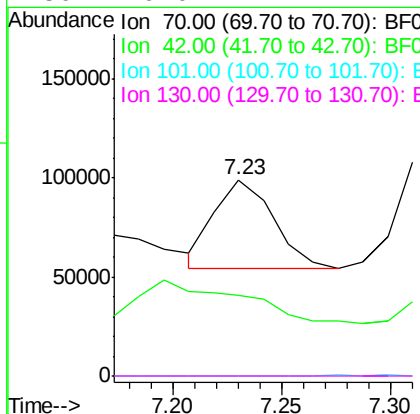
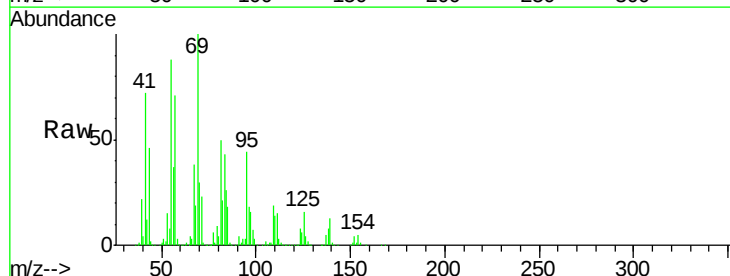
Instrument :
BNA_F
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HY-SB421A

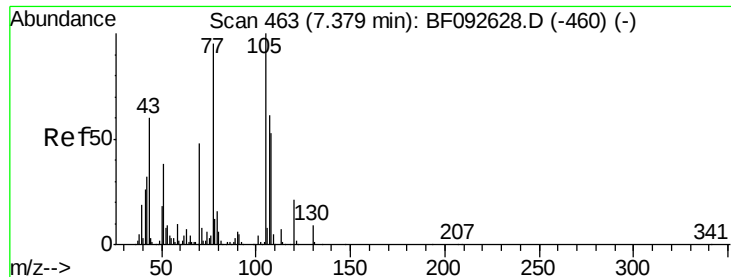
Tgt Ion: 117 Resp: 35741
Ion Ratio Lower Upper
117 100
119 1277.6 78.1 117.1#
201 0.0 78.6 117.8#



#19
n-Nitroso-di-n-propylamine
Concen: 12.42 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.01 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

Tgt Ion: 70 Resp: 85010
Ion Ratio Lower Upper
70 100
42 40.9 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#





#20

3+4-Methylphenols

Concen: 2.28 ng

RT: 7.25 min Scan# 452

Delta R.T. 0.02 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:107 Resp: 21513

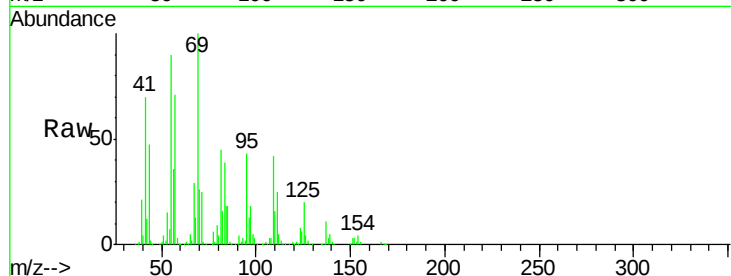
Ion Ratio Lower Upper

107 100

108 110.7 73.0 113.0

77 209.9 71.3 111.3#

79 287.0 11.1 51.1#

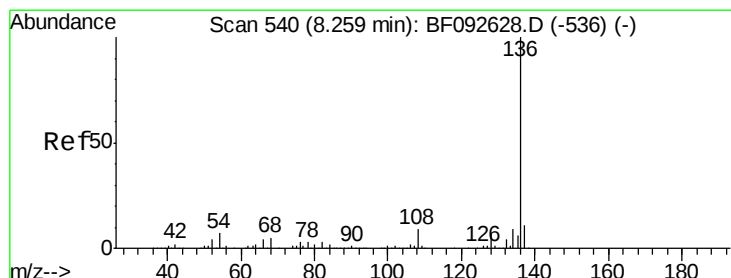
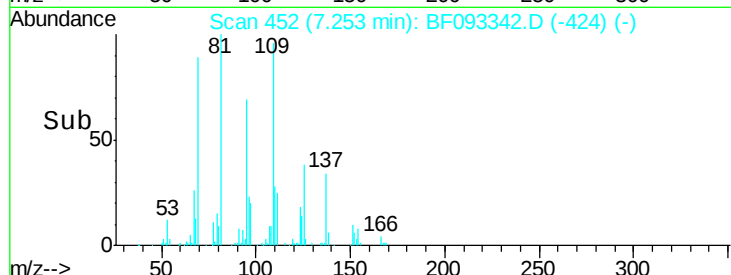
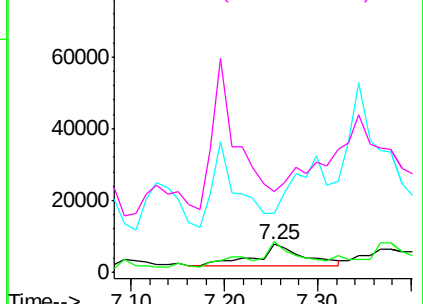


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.02 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Tgt Ion:136 Resp: 274931

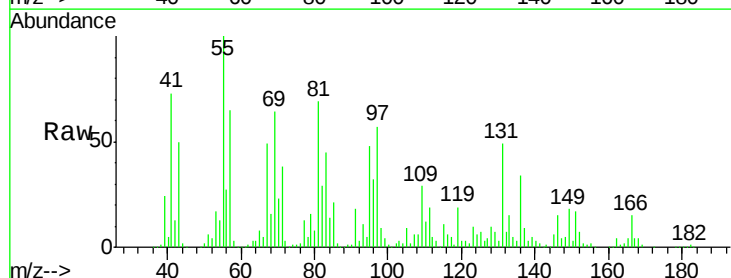
Ion Ratio Lower Upper

136 100

137 27.6 8.4 12.6#

54 38.7 4.5 6.7#

68 46.3 3.6 5.4#

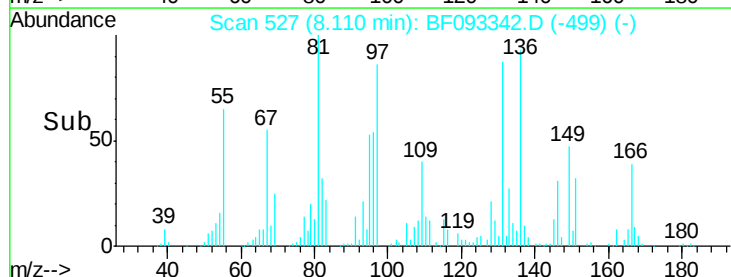
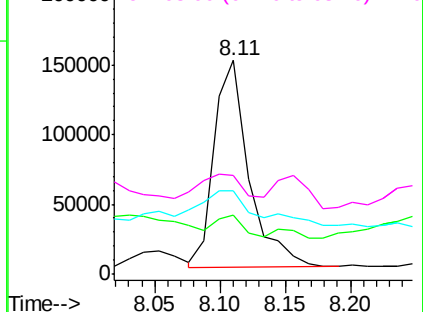


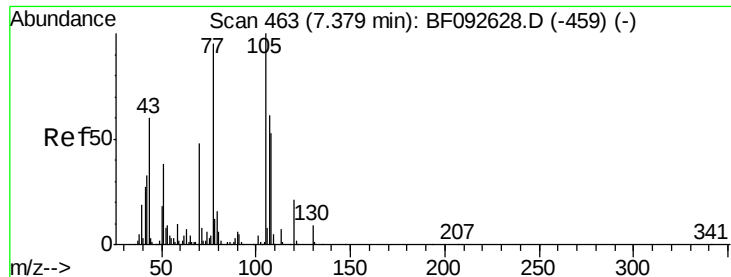
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 6.23 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.06 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

Tgt Ion:105 Resp: 39095

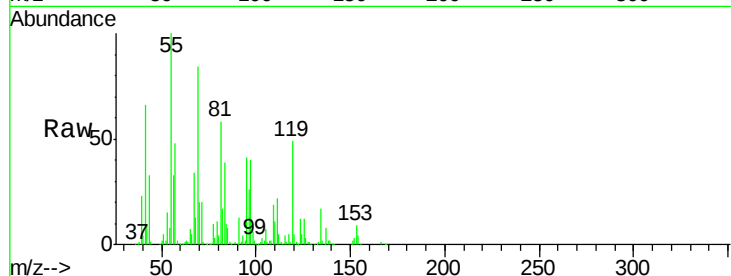
Ion Ratio Lower Upper

105 100

71 264.3 3.2 4.8#

51 73.5 26.2 39.4#

120 67.6 16.6 24.8#

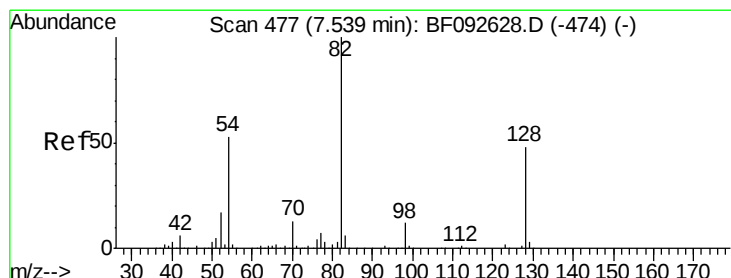
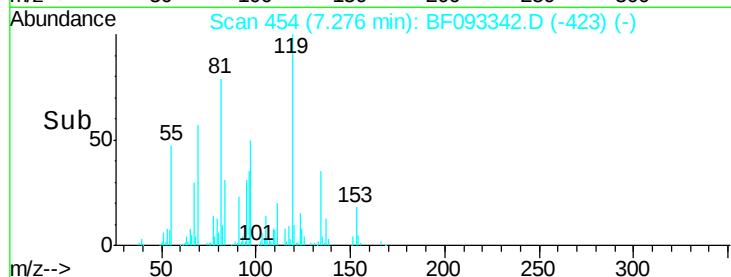
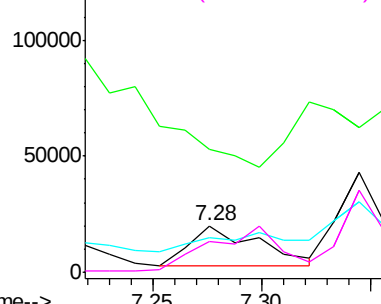


Abundance Ion 105.00 (104.70 to 105.70): E

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



#23

Nitrobenzene-d5

Concen: 101.84 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

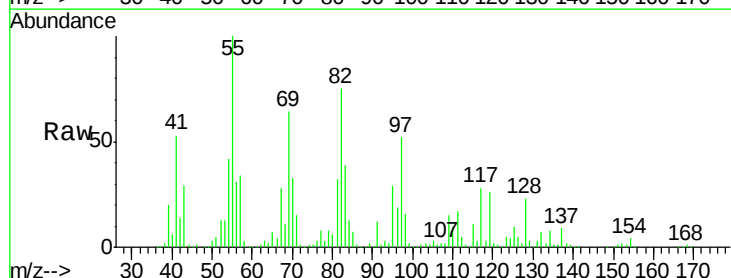
Tgt Ion: 82 Resp: 502782

Ion Ratio Lower Upper

82 100

128 30.7 34.6 52.0#

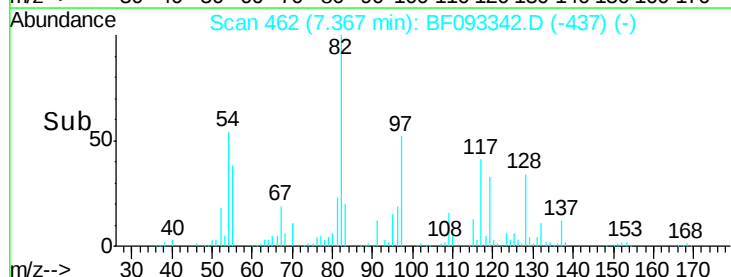
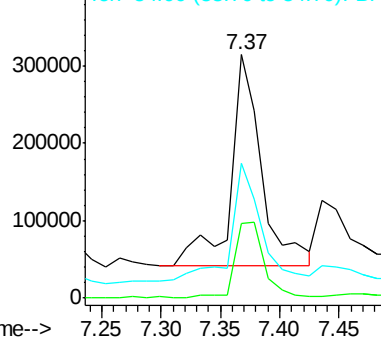
54 55.2 39.5 59.3

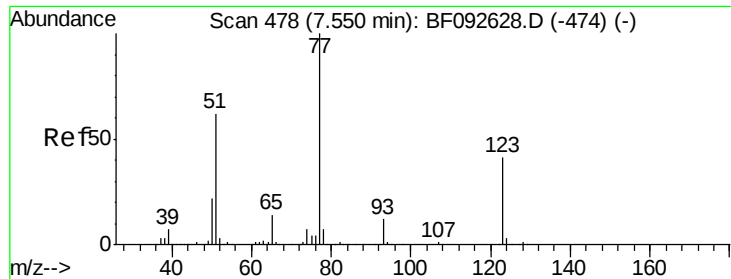


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

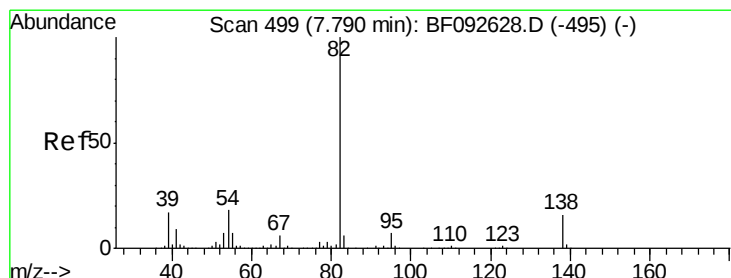
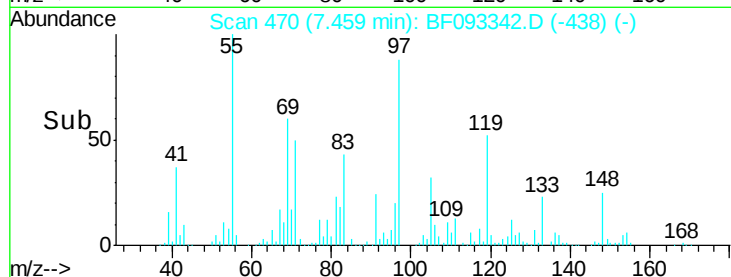
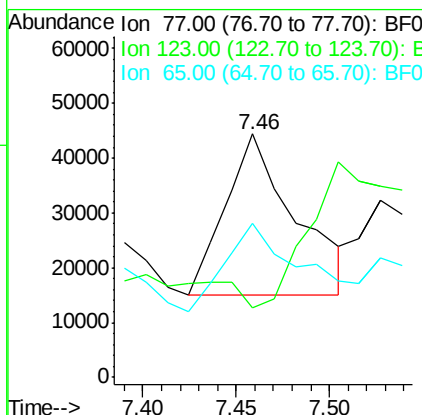
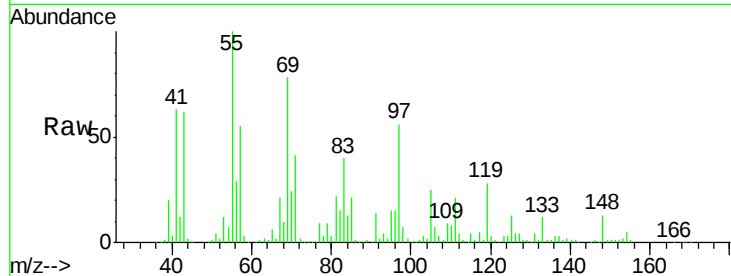




#24
 Nitrobenzene
 Concen: 15.13 ng
 RT: 7.46 min Scan# 470
 Delta R.T. 0.07 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

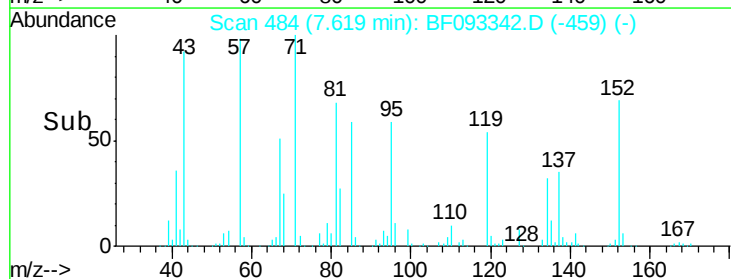
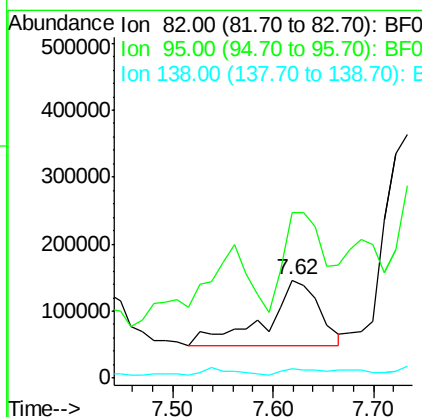
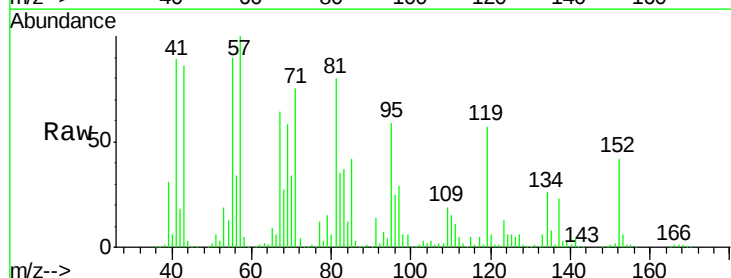
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB421A

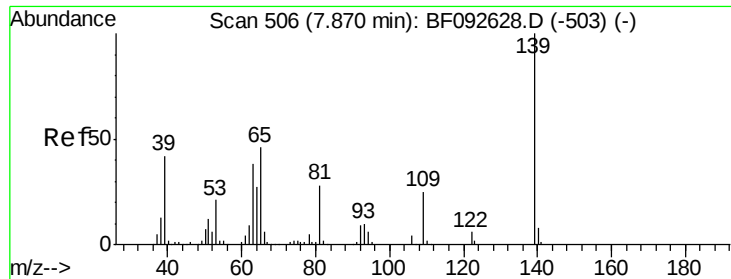
Tgt Ion: 77 Resp: 76696
 Ion Ratio Lower Upper
 77 100
 123 28.4 33.0 49.4#
 65 63.5 11.2 16.8#



#25
 Isophorone
 Concen: 38.63 ng
 RT: 7.62 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

Tgt Ion: 82 Resp: 355399
 Ion Ratio Lower Upper
 82 100
 95 169.2 5.6 8.4#
 138 9.1 14.6 22.0#





#26

2-Nitrophenol

Concen: 25.12 ng

RT: 7.78 min Scan# 498

Delta R.T. 0.07 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

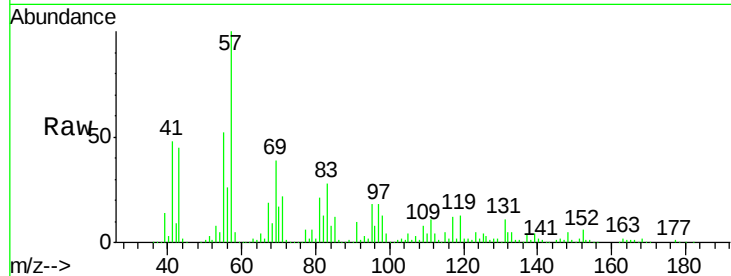
Tgt Ion:139 Resp: 60537

Ion Ratio Lower Upper

139 100

109 201.4 23.3 34.9#

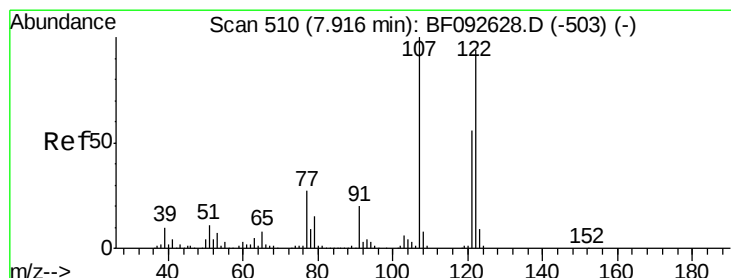
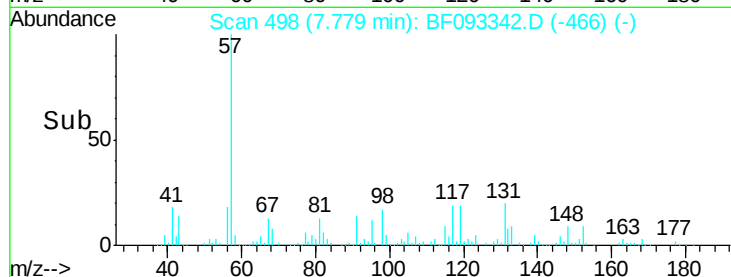
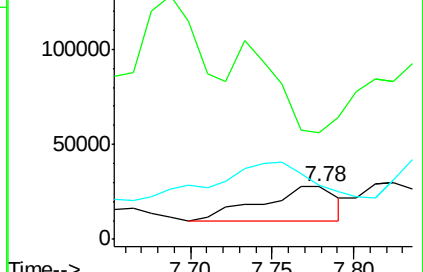
65 102.4 42.7 64.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#27

2,4-Dimethylphenol

Concen: 13.01 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

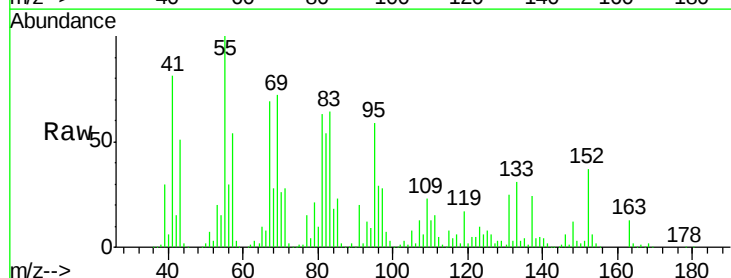
Tgt Ion:122 Resp: 55068

Ion Ratio Lower Upper

122 100

107 246.0 94.1 141.1#

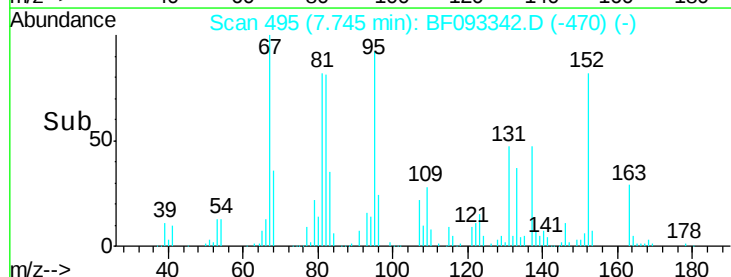
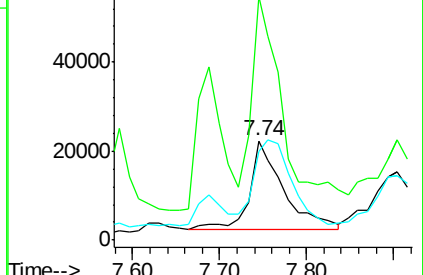
121 89.1 46.0 69.0#

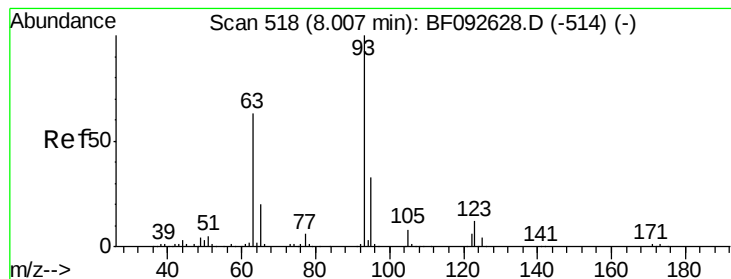


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#28

bis(2-Chloroethoxy)methane

Concen: 11.18 ng

RT: 7.89 min Scan# 508

Delta R.T. 0.05 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

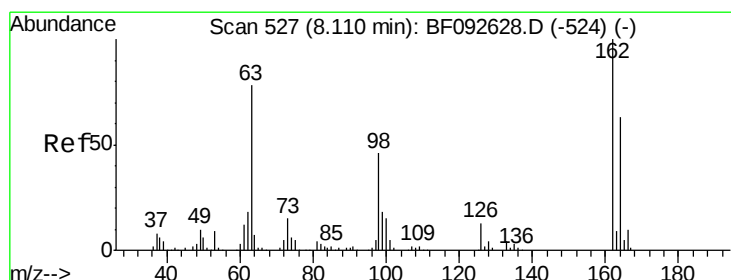
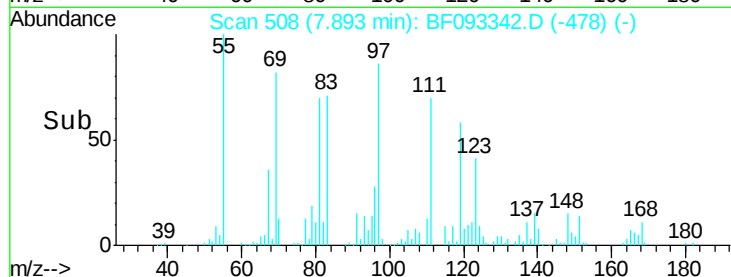
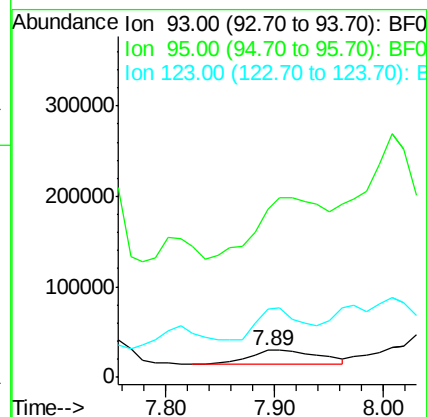
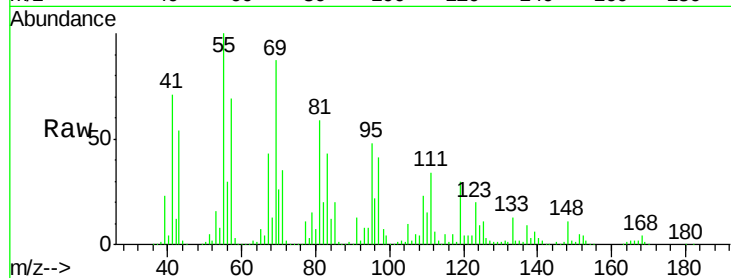
Tgt Ion: 93 Resp: 68148

Ion Ratio Lower Upper

93 100

95 620.5 26.5 39.7#

123 253.2 8.6 13.0#



#29

2,4-Dichlorophenol

Concen: 9.92 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

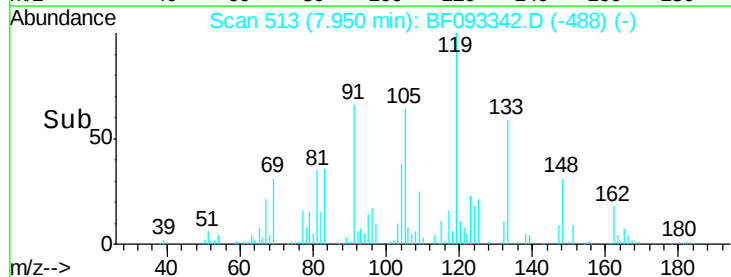
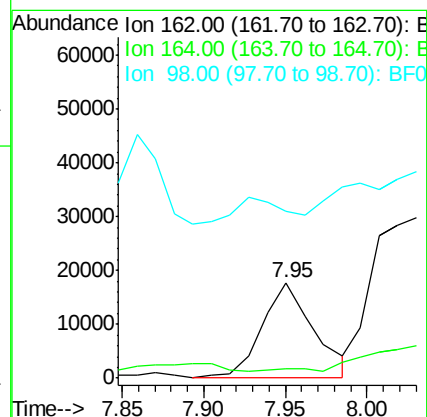
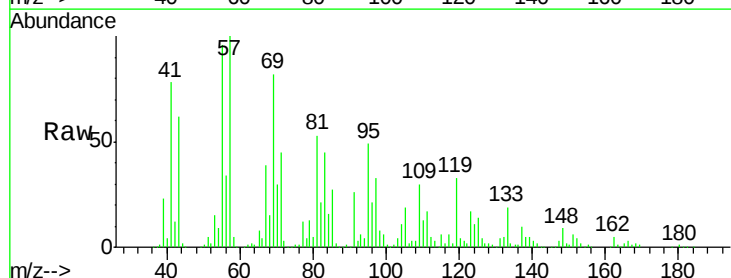
Tgt Ion: 162 Resp: 39138

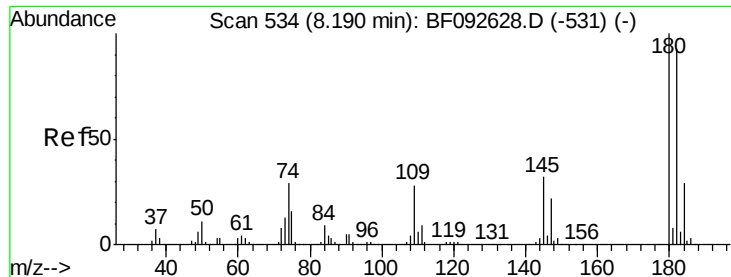
Ion Ratio Lower Upper

162 100

164 9.3 46.8 86.8#

98 175.6 9.1 49.1#

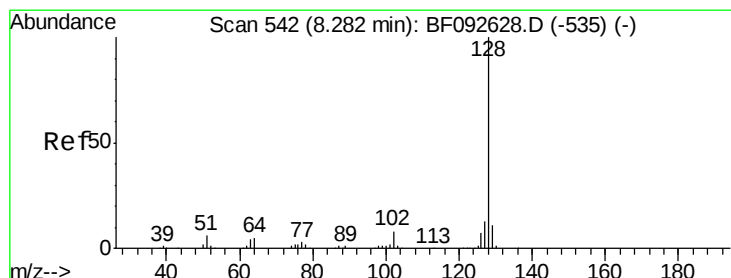
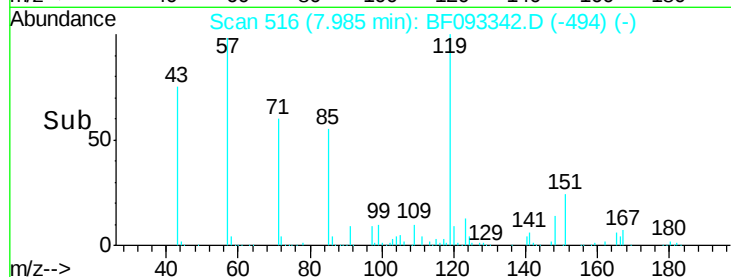
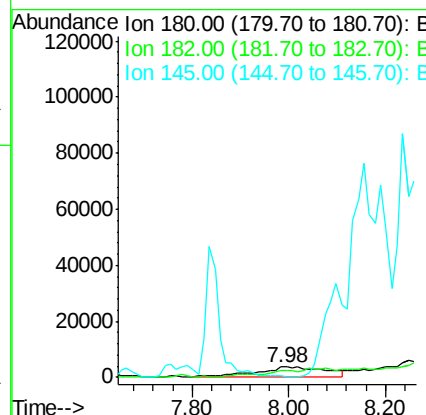
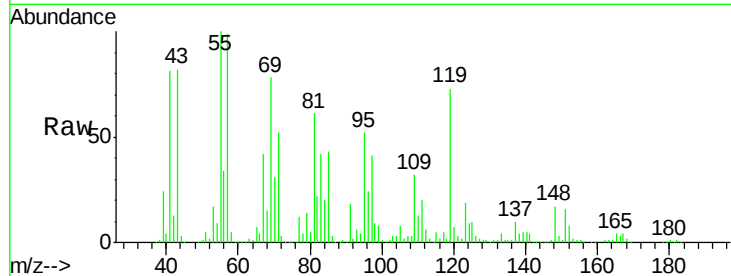




#30
1,2,4-Trichlorobenzene
Concen: 7.54 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.05 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

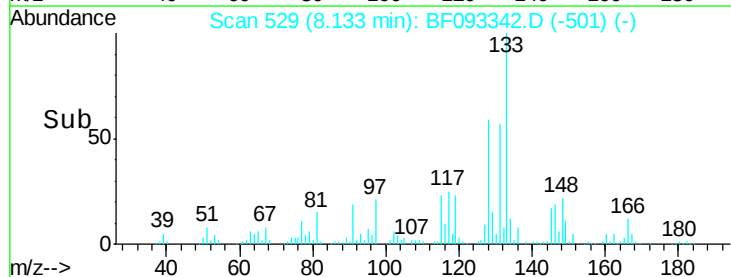
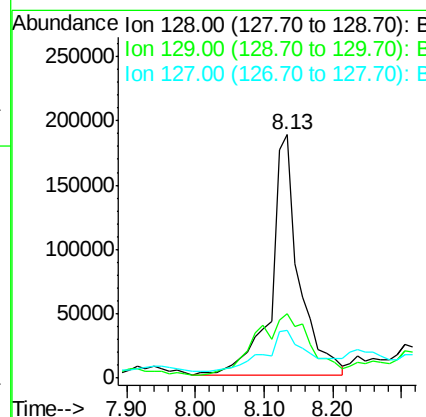
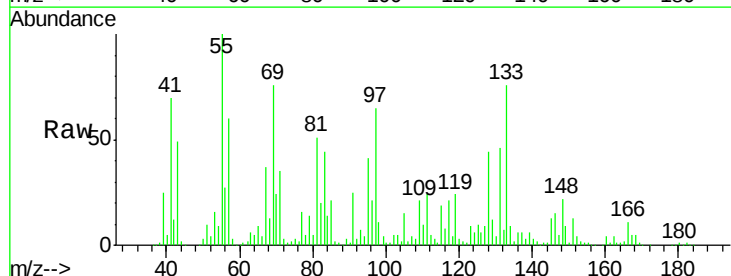
Instrument :
BNA_F
ClientSampleId :
HY-SB421A

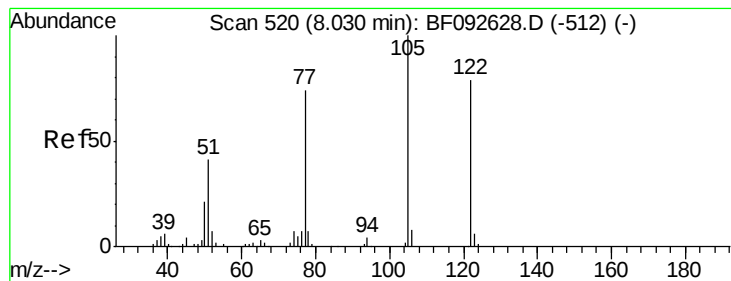
Tgt Ion:180 Resp: 32060
Ion Ratio Lower Upper
180 100
182 63.4 78.2 117.4#
145 12.3 21.6 32.4#



#31
Naphthalene
Concen: 37.32 ng
RT: 8.13 min Scan# 529
Delta R.T. 0.02 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

Tgt Ion:128 Resp: 520164
Ion Ratio Lower Upper
128 100
129 26.3 9.5 14.3#
127 19.8 10.8 16.2#





#32

Benzoic acid

Concen: 22.16 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

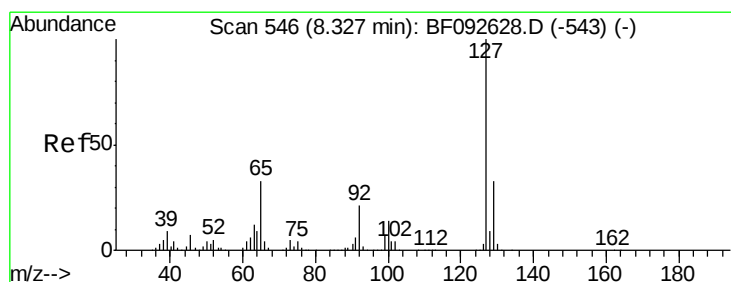
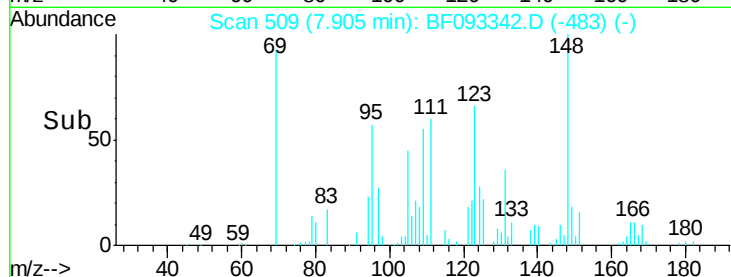
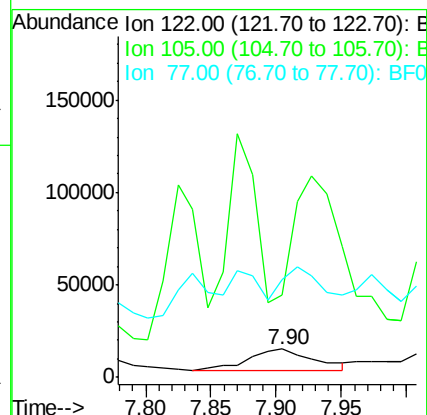
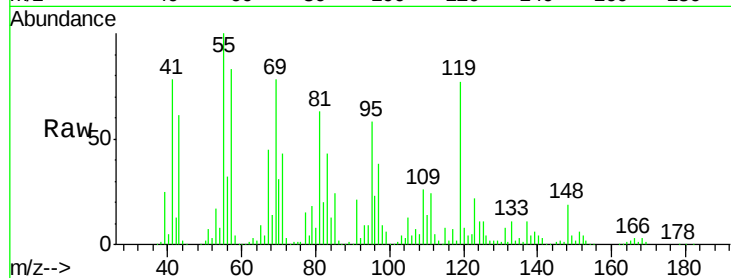
Tgt Ion:122 Resp: 42273

Ion Ratio Lower Upper

122 100

105 291.0 107.2 147.2#

77 341.5 74.5 114.5#



#33

4-Chloroaniline

Concen: 4.94 ng

RT: 8.24 min Scan# 538

Delta R.T. 0.07 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Tgt Ion:127 Resp: 26990

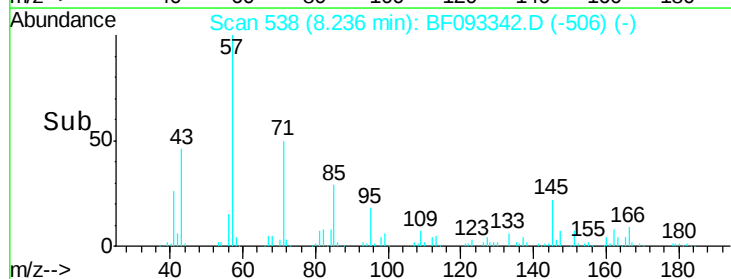
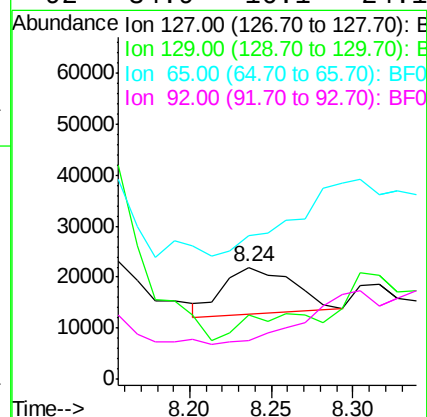
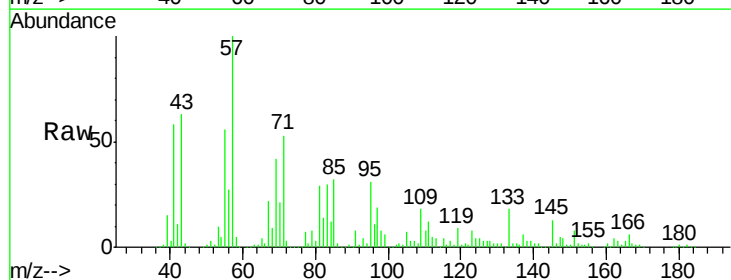
Ion Ratio Lower Upper

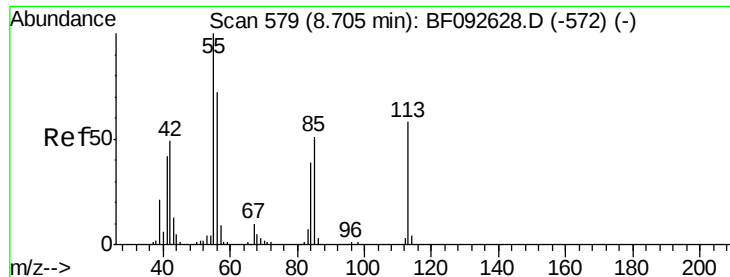
127 100

129 57.9 26.3 39.5#

65 129.0 25.8 38.8#

92 34.9 16.1 24.1#

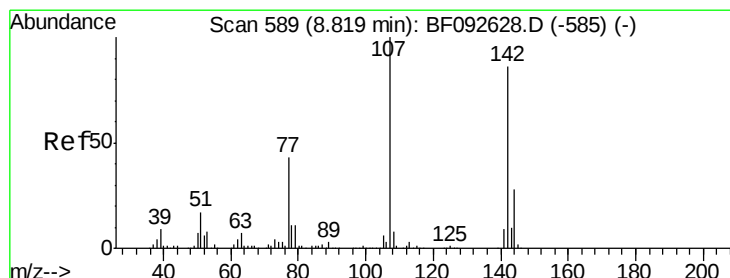
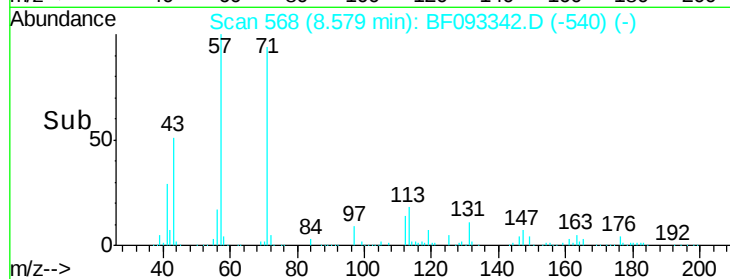
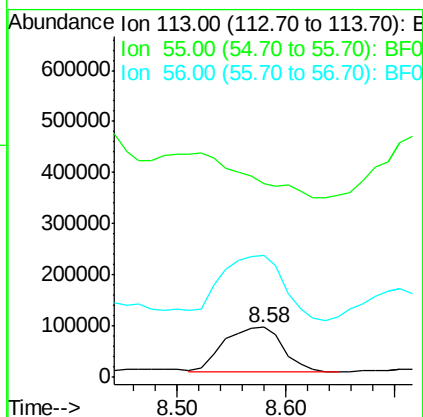
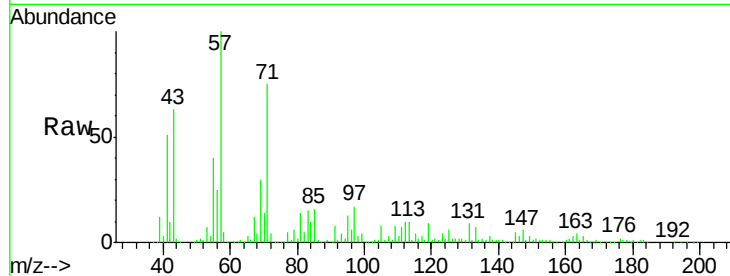




#35
 Caprolactam
 Concen: 268.38 ng
 RT: 8.58 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

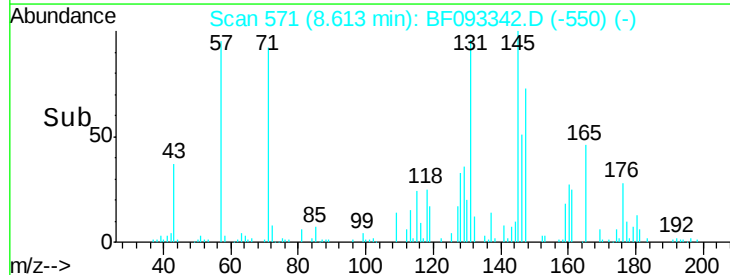
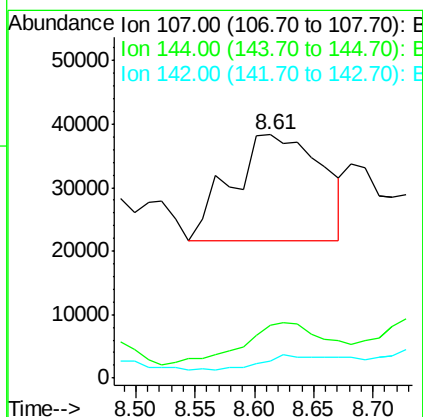
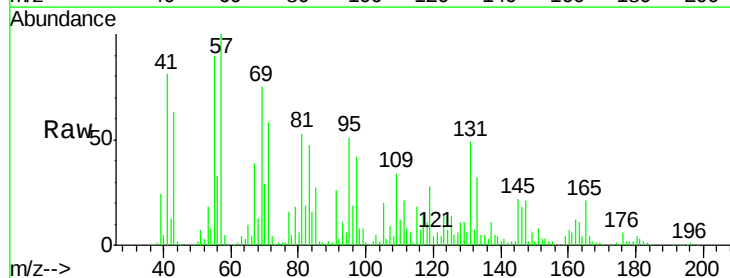
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB421A

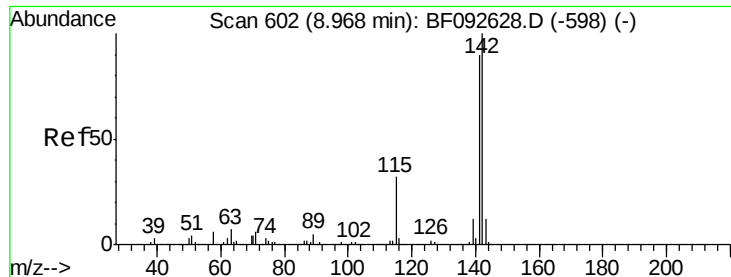
Tgt Ion:113 Resp: 333204
 Ion Ratio Lower Upper
 113 100
 55 385.2 119.2 159.2#
 56 242.8 83.8 123.8#



#36
 4-Chloro-3-methylphenol
 Concen: 21.39 ng
 RT: 8.61 min Scan# 571
 Delta R.T. -0.06 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

Tgt Ion:107 Resp: 88009
 Ion Ratio Lower Upper
 107 100
 144 21.7 19.3 28.9
 142 7.1 59.0 88.6#

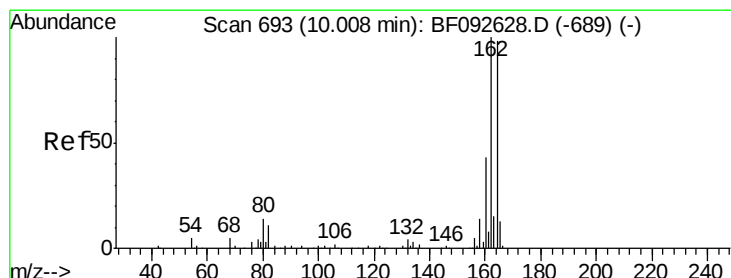
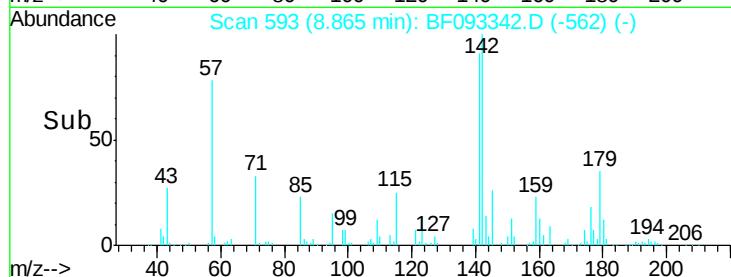
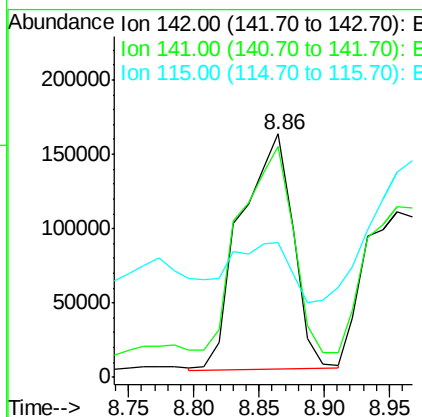
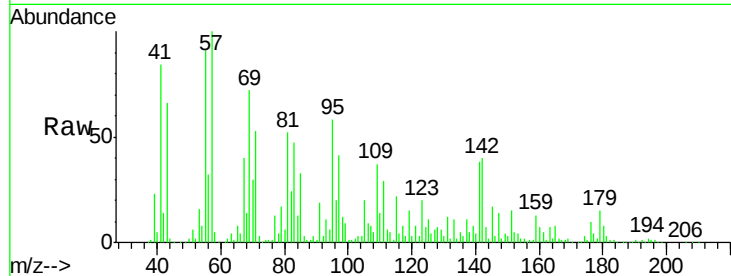




#37
 2-Methylnaphthalene
 Concen: 49.46 ng
 RT: 8.86 min Scan# 593
 Delta R.T. 0.06 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

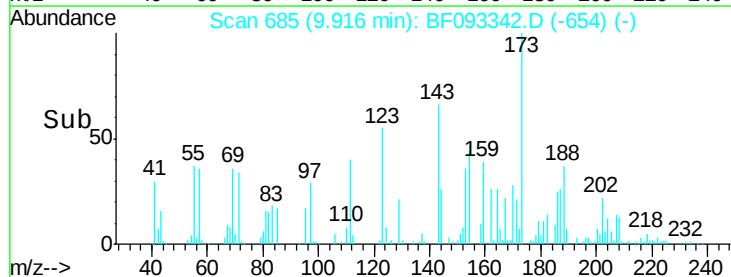
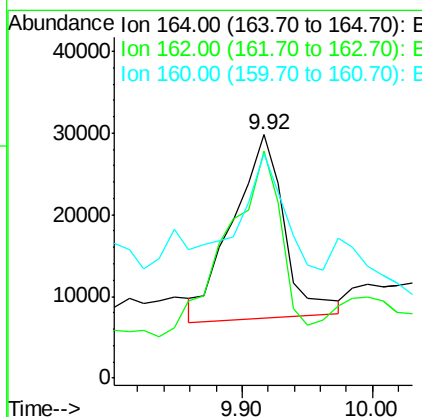
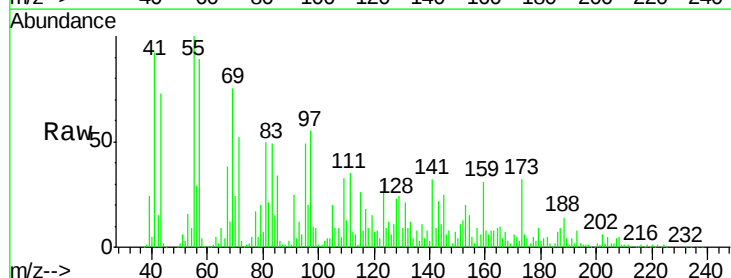
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB421A

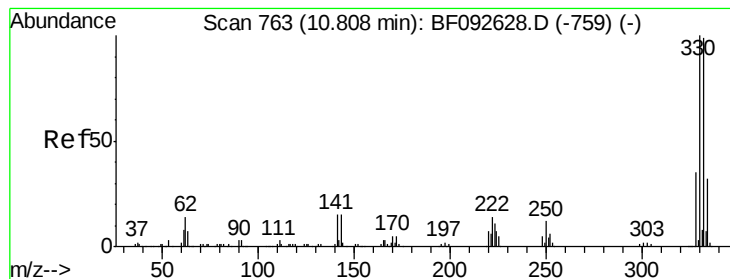
Tgt Ion:142 Resp: 442629
 Ion Ratio Lower Upper
 142 100
 141 95.0 71.0 106.6
 115 55.4 28.3 42.5#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.06 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

Tgt Ion:164 Resp: 61586
 Ion Ratio Lower Upper
 164 100
 162 93.0 80.2 120.2
 160 92.3 36.9 55.3#

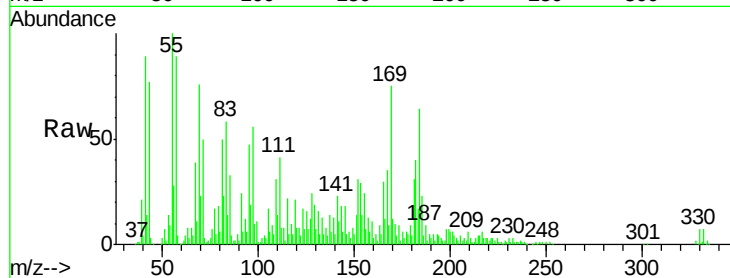




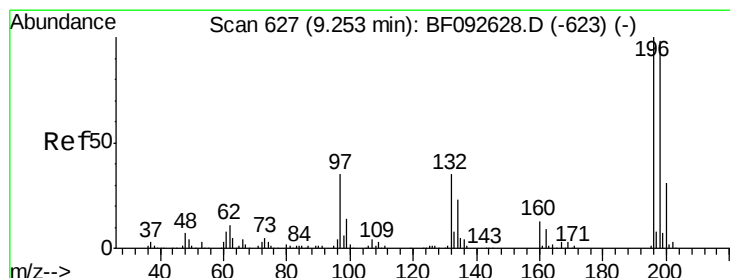
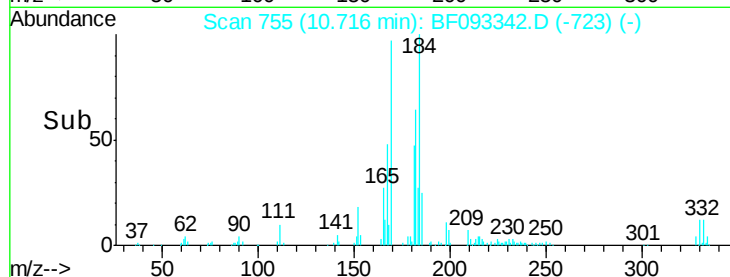
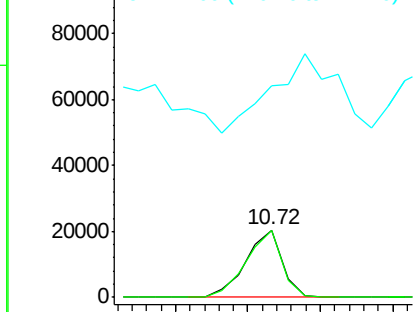
#41
 2,4,6-Tribromophenol
 Concen: 80.45 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.07 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB421A

Tgt Ion:330 Resp: 35835
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.4 116.2
 141 0.0 34.1 51.1#

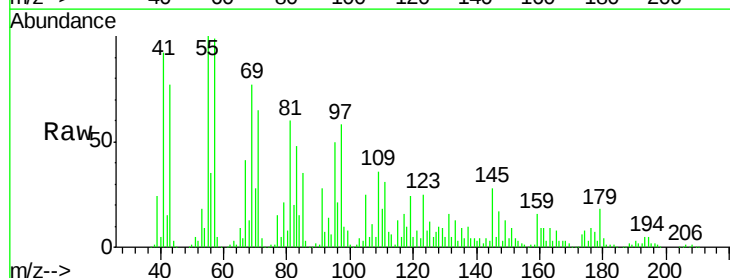


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

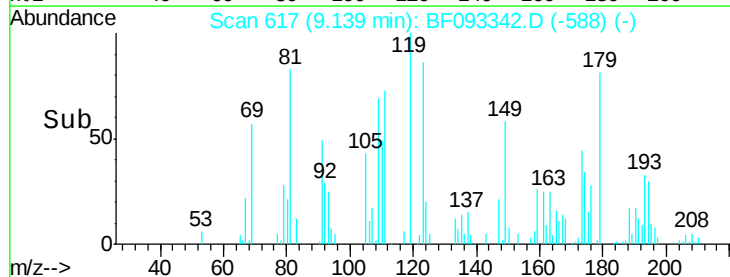
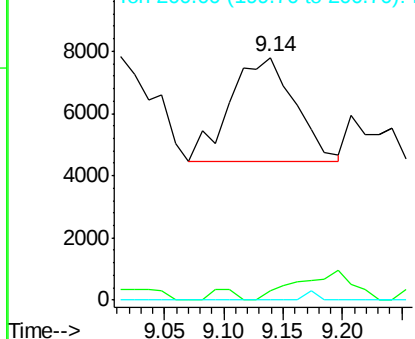


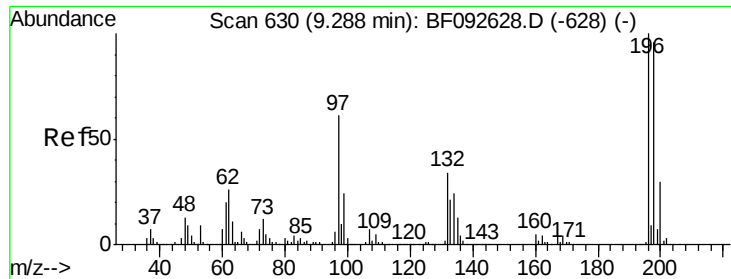
#42
 2,4,6-Trichlorophenol
 Concen: 11.18 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.03 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

Tgt Ion:196 Resp: 12695
 Ion Ratio Lower Upper
 196 100
 198 4.0 82.1 123.1#
 200 0.0 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

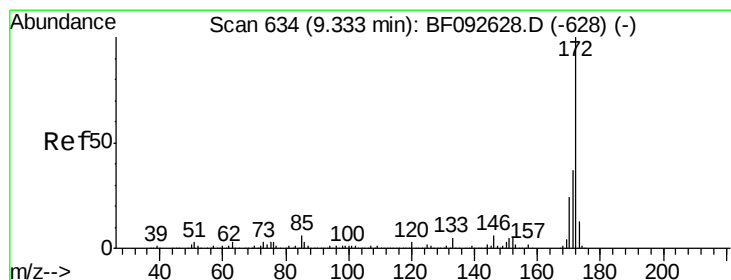
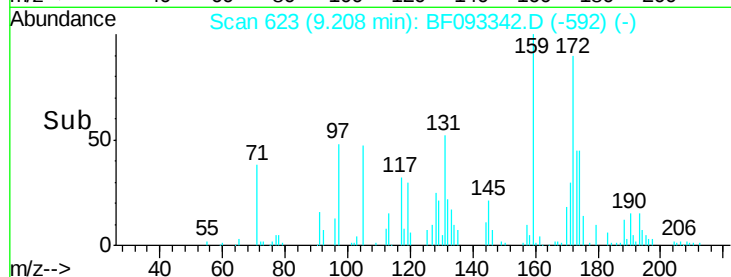
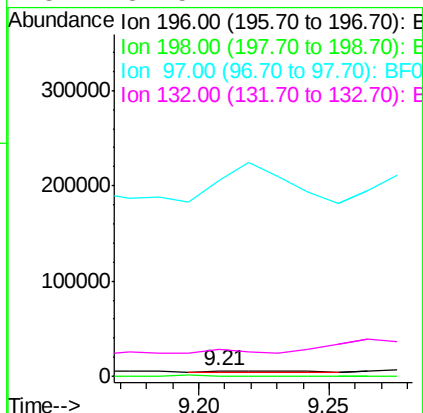
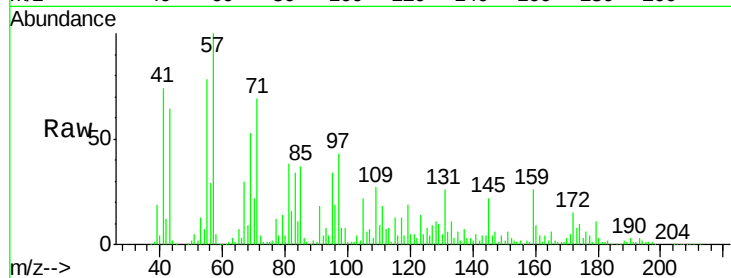




#43
 2,4,5-Trichlorophenol
 Concen: 2.14 ng
 RT: 9.21 min Scan# 623
 Delta R.T. 0.06 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

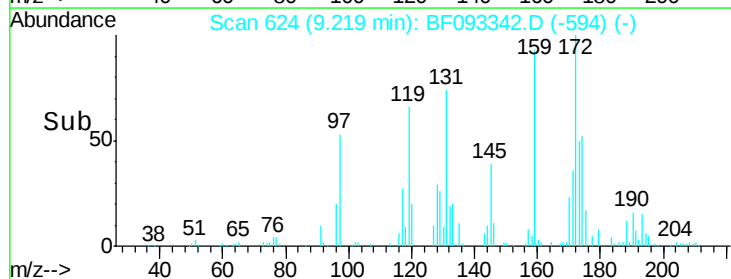
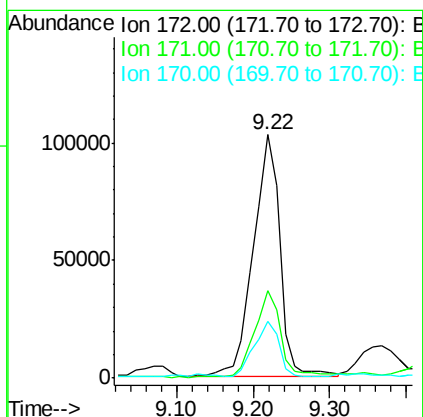
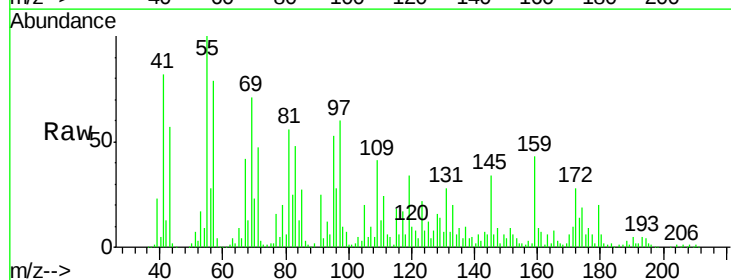
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB421A

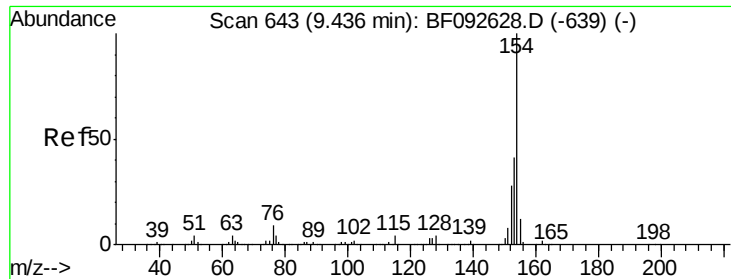
Tgt Ion:196 Resp: 2661
 Ion Ratio Lower Upper
 196 100
 198 8.5 79.4 119.2#
 97 3463.1 51.5 77.3#
 132 482.5 27.4 41.2#



#44
 2-Fluorobiphenyl
 Concen: 72.24 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.05 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

Tgt Ion:172 Resp: 245562
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 23.4 20.2 30.4

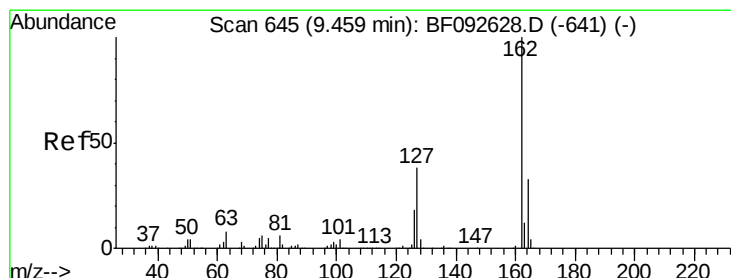
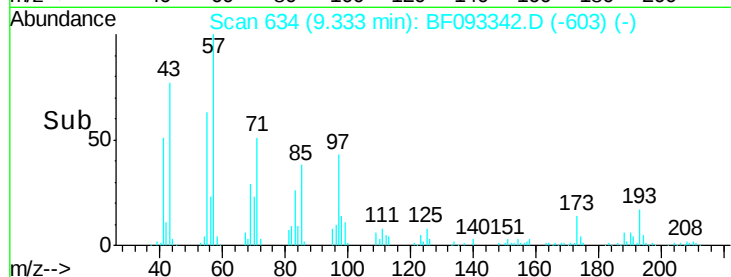
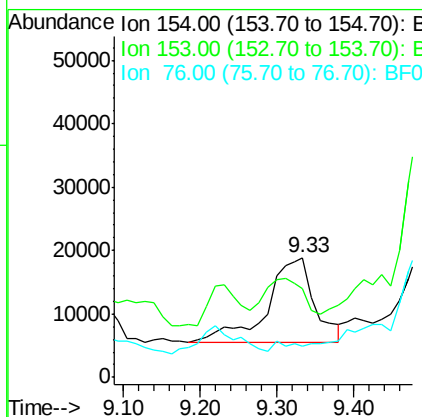
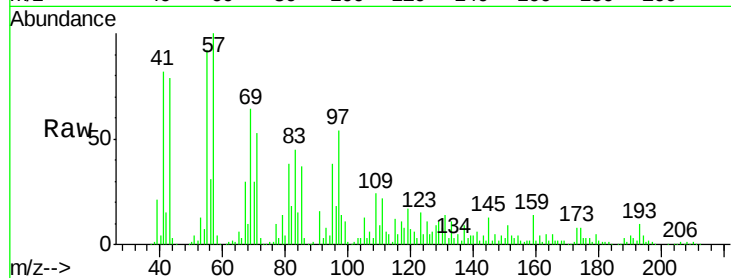




#45
 1,1'-Biphenyl
 Concen: 13.08 ng
 RT: 9.33 min Scan# 634
 Delta R.T. 0.06 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

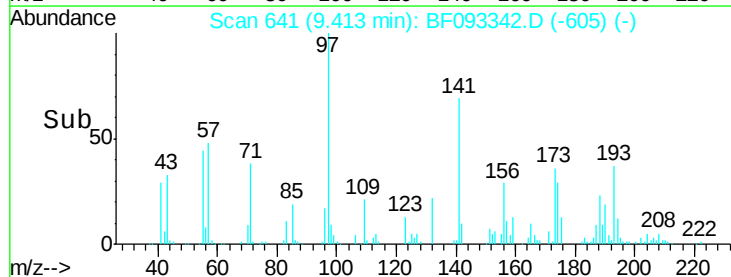
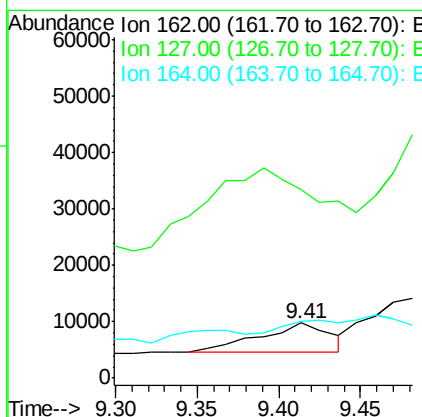
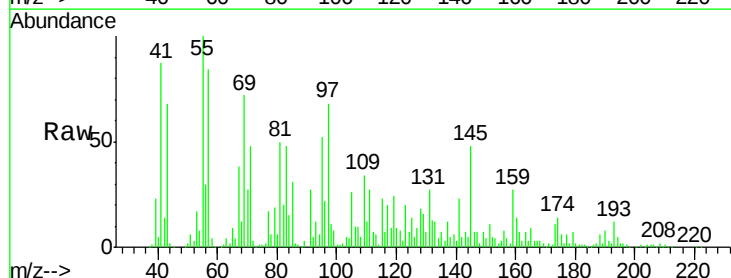
Instrument :
 BNA_F
 ClientSampled :
 HY-SB421A

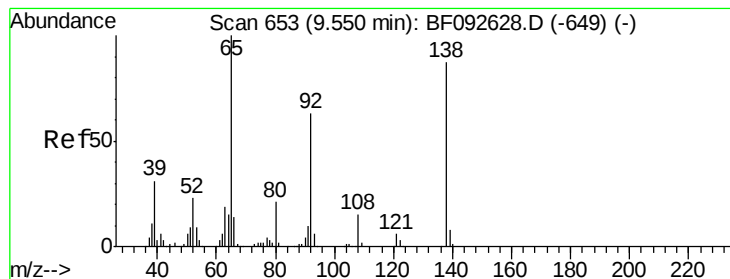
Tgt Ion:154 Resp: 58319
 Ion Ratio Lower Upper
 154 100
 153 74.0 20.9 60.9#
 76 26.2 0.0 30.5



#46
 2-Chloronaphthalene
 Concen: 4.42 ng
 RT: 9.41 min Scan# 641
 Delta R.T. 0.11 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

Tgt Ion:162 Resp: 15418
 Ion Ratio Lower Upper
 162 100
 127 340.6 30.7 46.1#
 164 103.2 27.6 41.4#





#47

2-Nitroaniline

Concen: 5.62 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.13 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

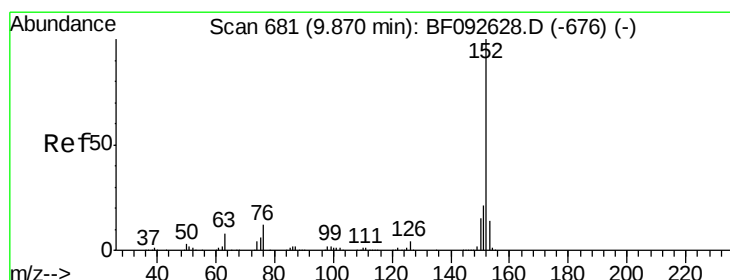
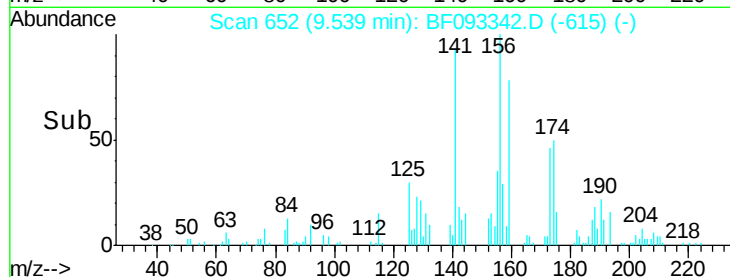
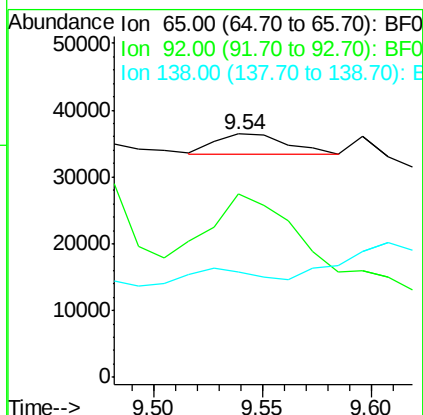
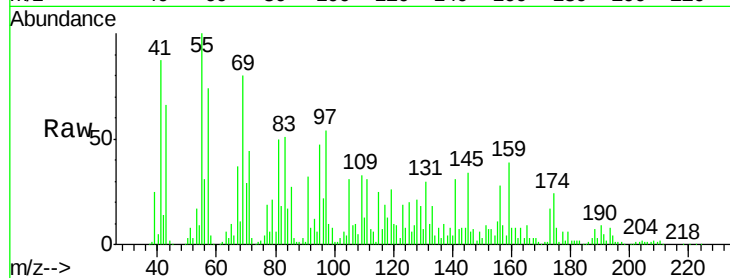
Tgt Ion: 65 Resp: 6589

Ion Ratio Lower Upper

65 100

92 75.3 53.9 80.9

138 43.1 76.8 115.2#



#48

Acenaphthylene

Concen: 5.51 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.06 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

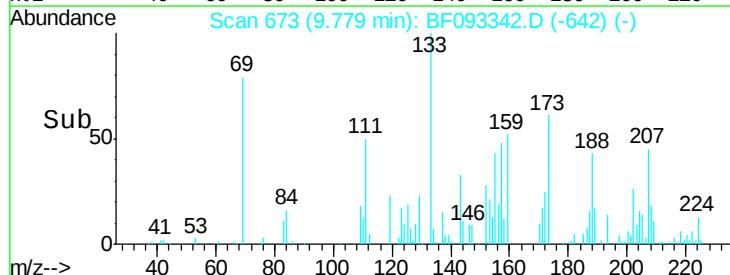
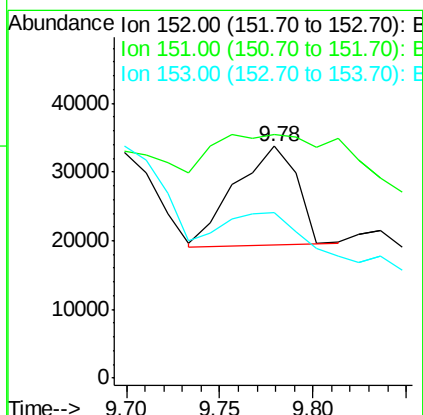
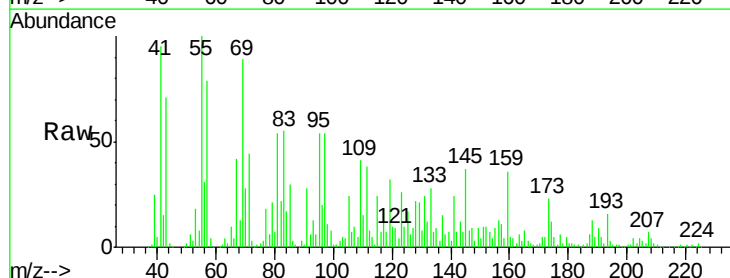
Tgt Ion: 152 Resp: 33219

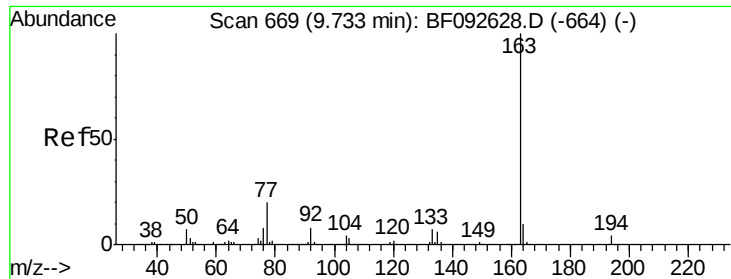
Ion Ratio Lower Upper

152 100

151 105.0 16.9 25.3#

153 71.2 11.4 17.2#

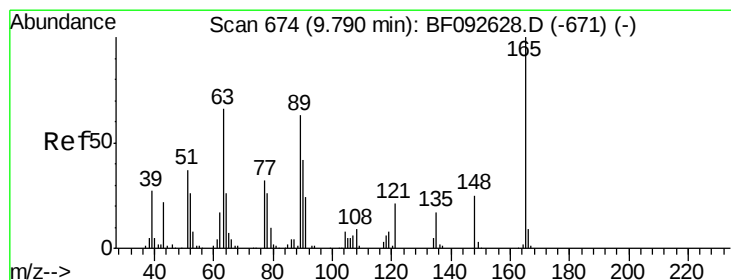
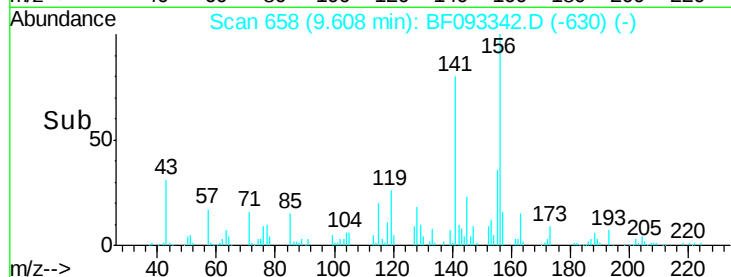
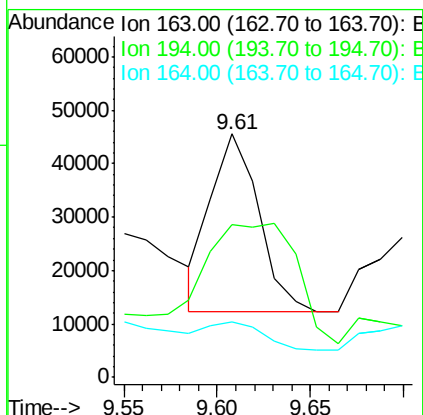
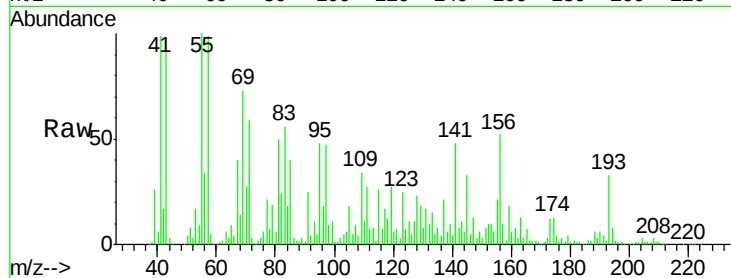




#49
Dimethylphthalate
Concen: 14.39 ng
RT: 9.61 min Scan# 658
Delta R.T. 0.02 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

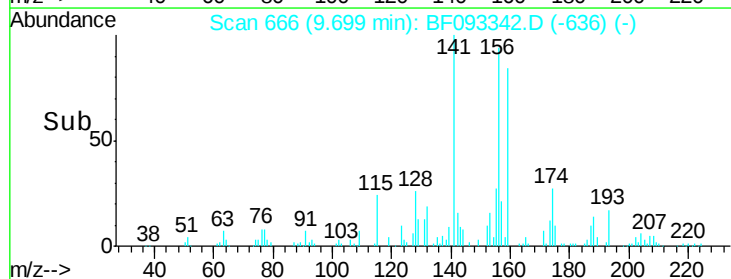
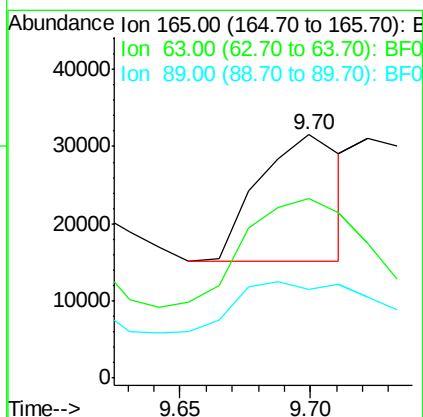
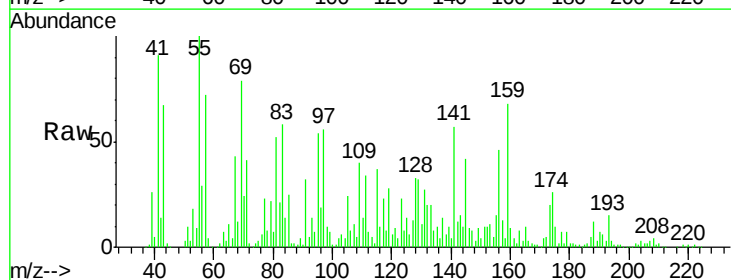
Instrument :
BNA_F
ClientSampleId :
HY-SB421A

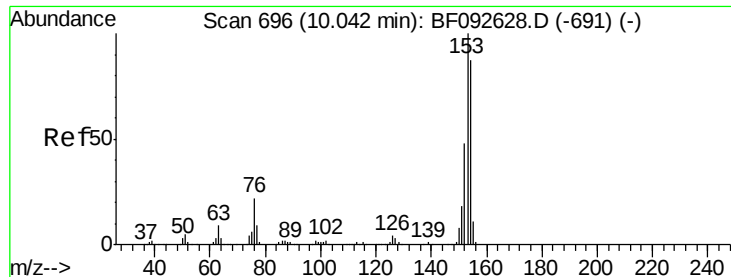
Tgt Ion:163 Resp: 59678
Ion Ratio Lower Upper
163 100
194 62.8 3.0 4.4#
164 22.8 8.0 12.0#



#50
2,6-Dinitrotoluene
Concen: 40.90 ng
RT: 9.70 min Scan# 666
Delta R.T. 0.05 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

Tgt Ion:165 Resp: 36644
Ion Ratio Lower Upper
165 100
63 73.9 36.2 54.4#
89 36.4 40.2 60.4#





#51

Acenaphthene

Concen: 104.54 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.06 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

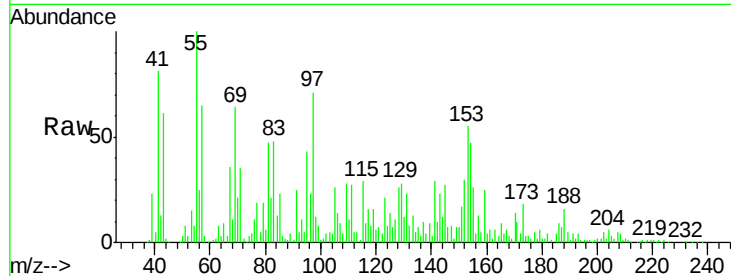
Tgt Ion:154 Resp: 376686

Ion Ratio Lower Upper

154 100

153 117.9 88.6 133.0

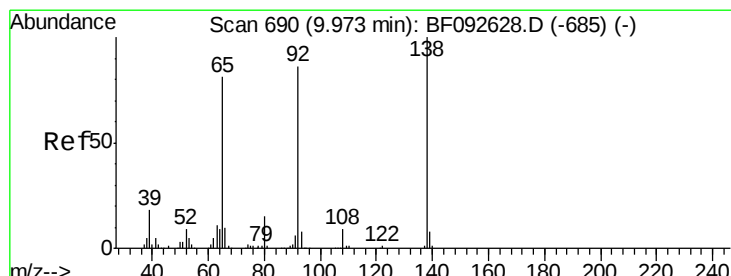
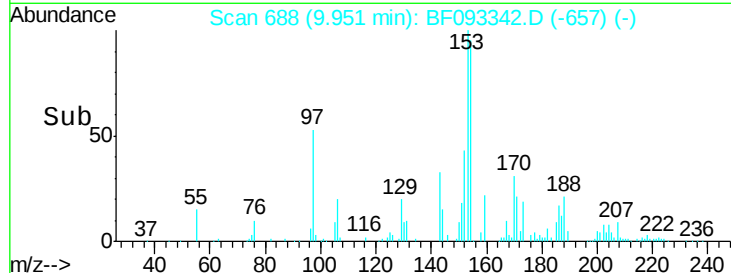
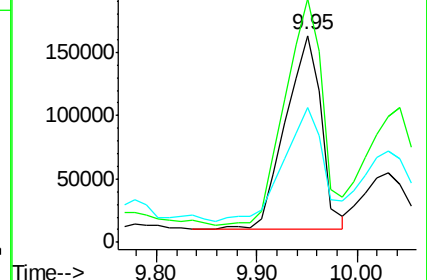
152 65.0 41.6 62.4#



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: 36.26 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.05 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

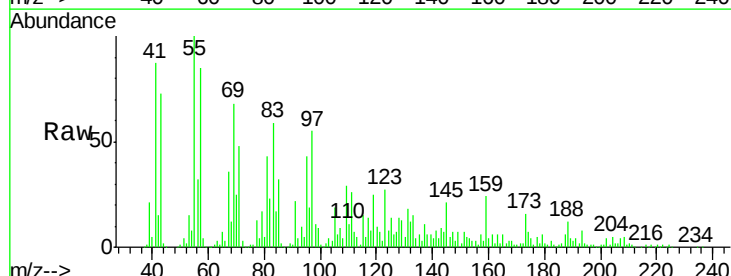
Tgt Ion:138 Resp: 37170

Ion Ratio Lower Upper

138 100

108 73.1 8.5 12.7#

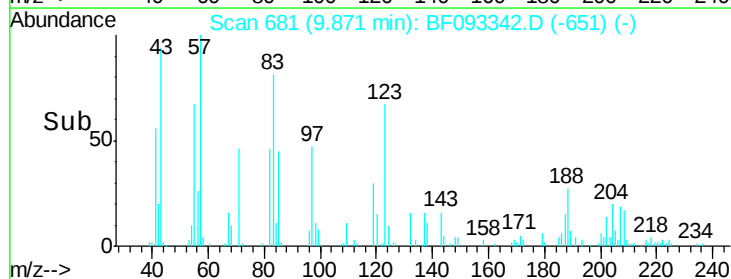
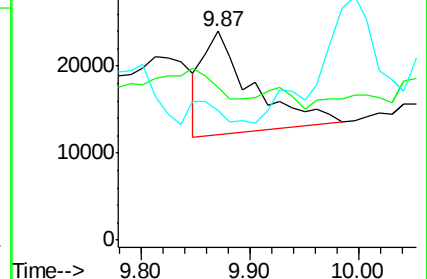
92 62.4 97.8 146.8#

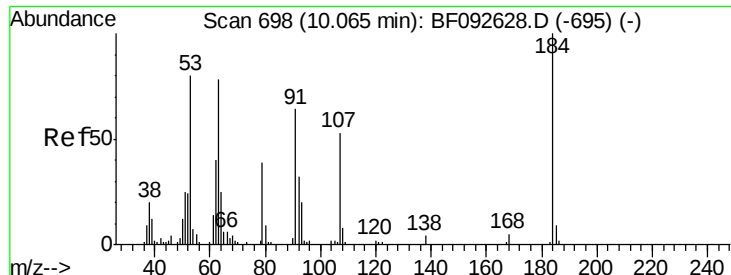


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

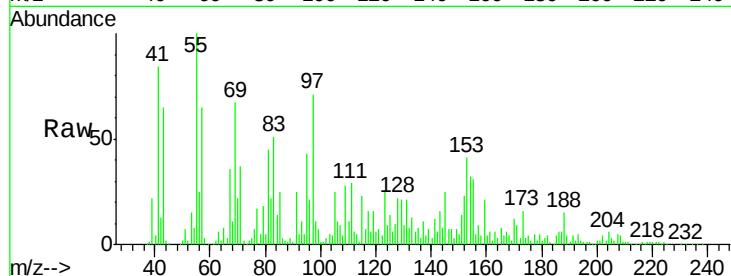




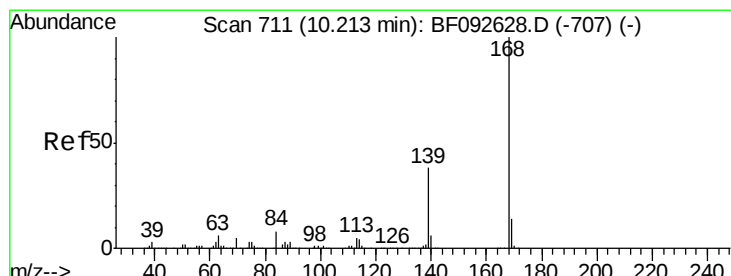
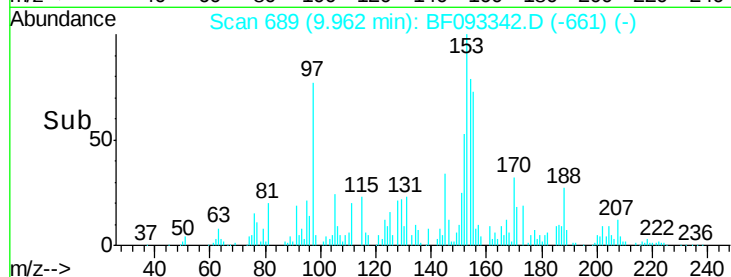
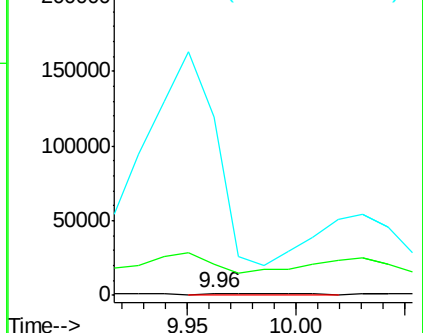
#53
2,4-Dinitrophenol
Concen: 13.39 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.02 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

Instrument :
BNA_F
ClientSampleId :
HY-SB421A

Tgt Ion:184 Resp: 4191
Ion Ratio Lower Upper
184 100
63 1625.8 28.4 42.6#
154 9176.9 44.3 66.5#

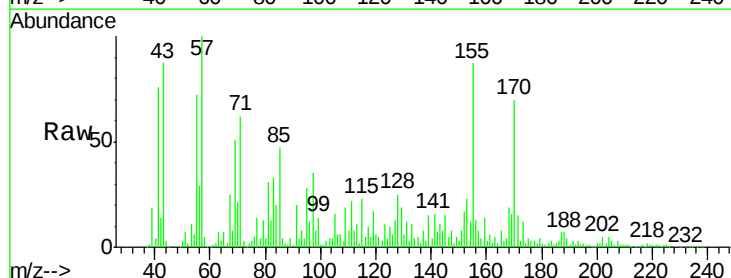


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

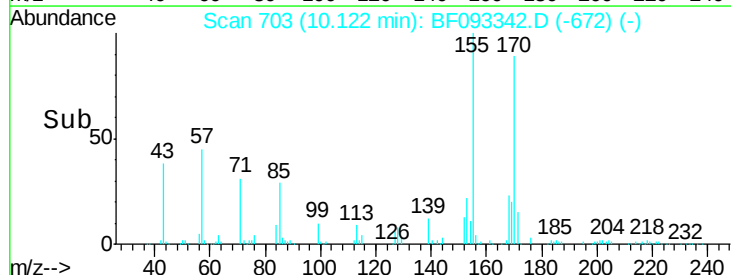
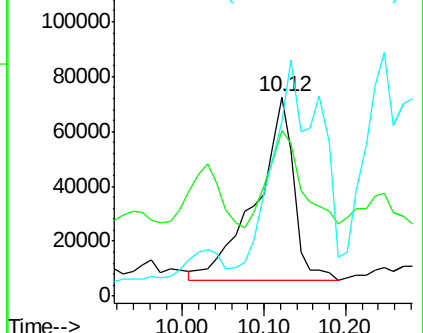


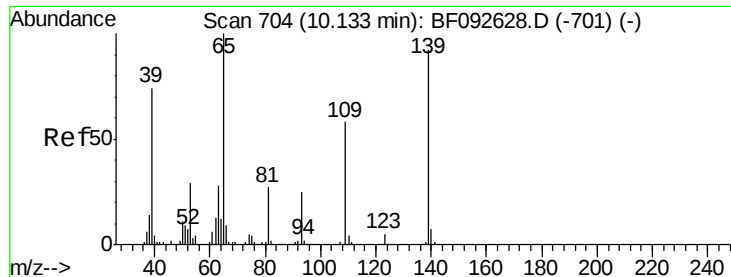
#54
Dibenzofuran
Concen: 44.18 ng
RT: 10.12 min Scan# 703
Delta R.T. 0.06 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

Tgt Ion:168 Resp: 212899
Ion Ratio Lower Upper
168 100
139 83.0 32.6 49.0#
169 87.9 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

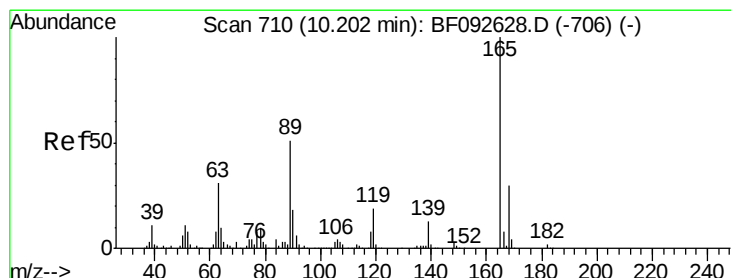
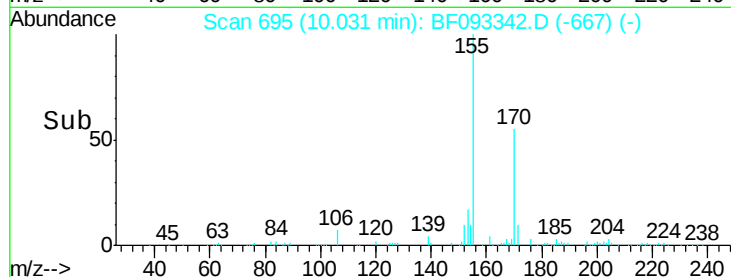
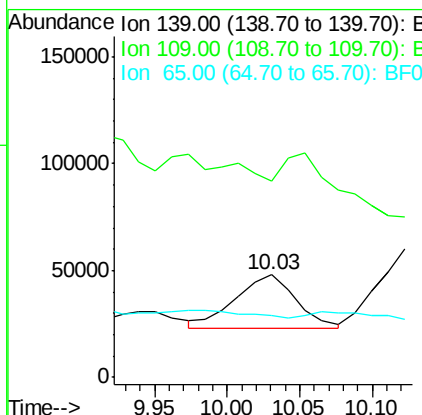
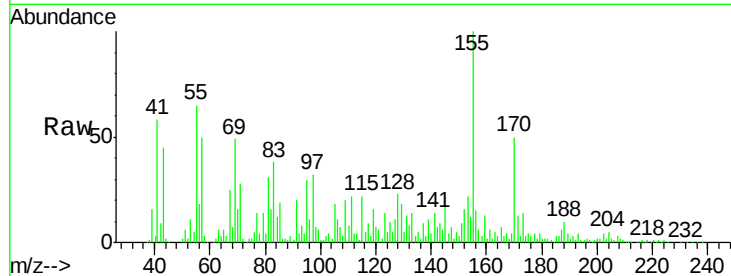




#55
4-Nitrophenol
Concen: 98.21 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.02 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

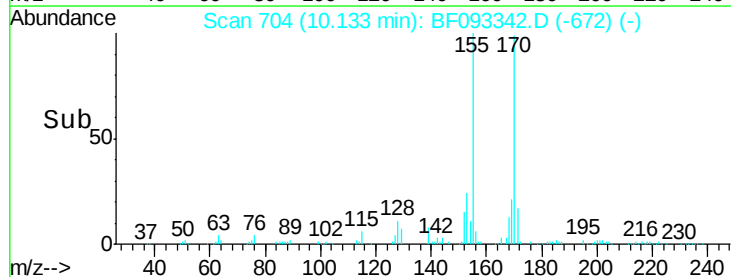
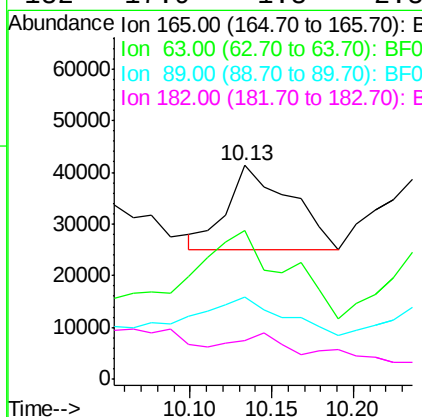
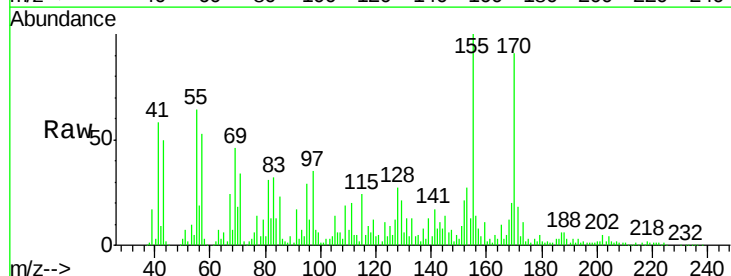
Instrument :
BNA_F
ClientSampleId :
HY-SB421A

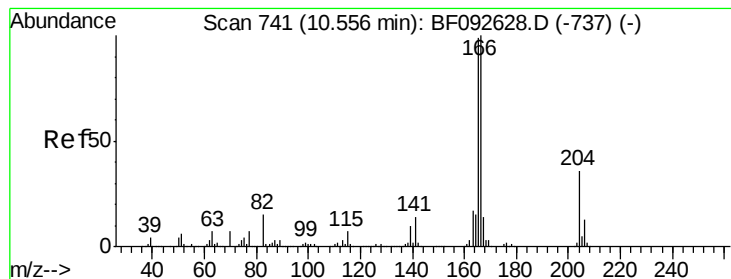
Tgt Ion:139 Resp: 72519
Ion Ratio Lower Upper
139 100
109 191.5 52.2 92.2#
65 60.8 85.8 125.8#



#56
2,4-Dinitrotoluene
Concen: 37.18 ng
RT: 10.13 min Scan# 704
Delta R.T. 0.07 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

Tgt Ion:165 Resp: 44343
Ion Ratio Lower Upper
165 100
63 69.7 40.2 60.4#
89 38.4 62.5 93.7#
182 17.9 1.8 2.8#





#57

Fluorene

Concen: 99.08 ng

RT: 10.46 min Scan# 733

Delta R.T. 0.06 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

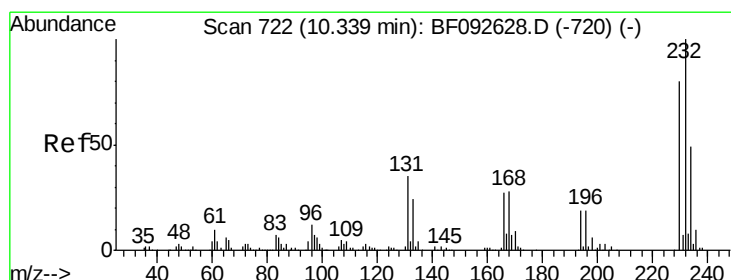
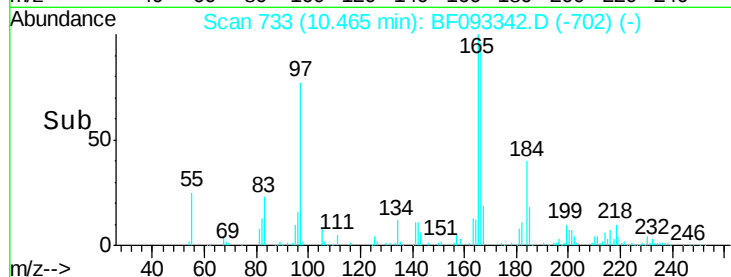
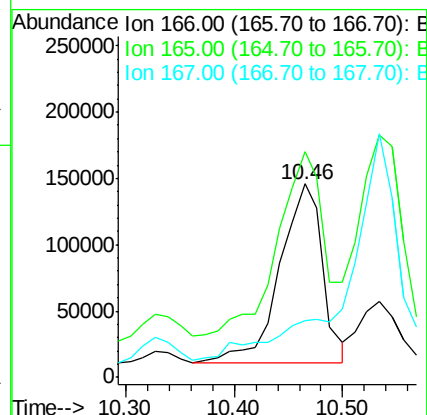
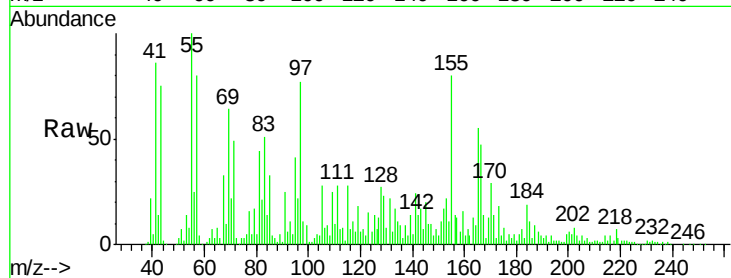
Tgt Ion:166 Resp: 367338

Ion Ratio Lower Upper

166 100

165 117.0 77.8 116.8#

167 29.2 10.8 16.2#



#58

2,3,4,6-Tetrachlorophenol

Concen: 5.25 ng

RT: 10.22 min Scan# 712

Delta R.T. 0.03 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Tgt Ion:232 Resp: 4360

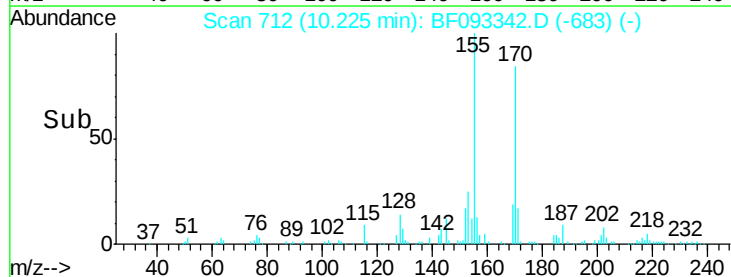
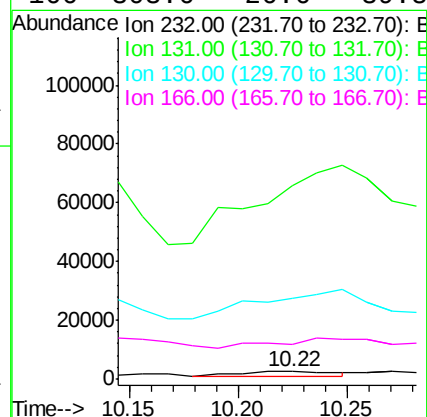
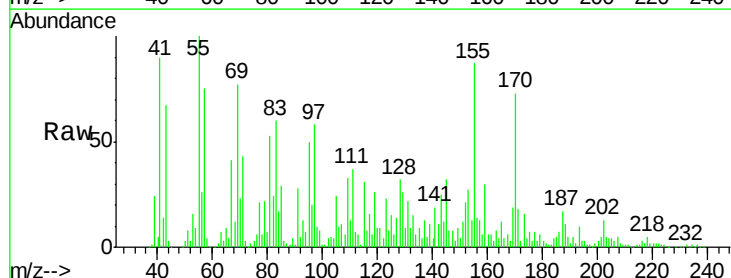
Ion Ratio Lower Upper

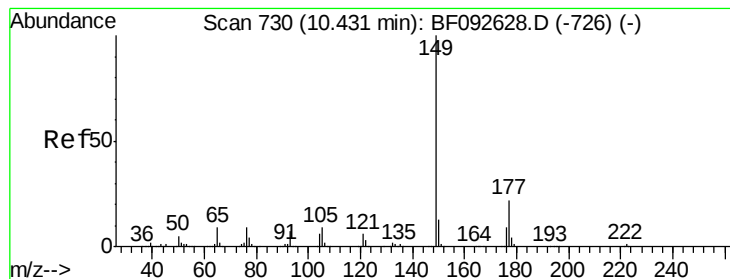
232 100

131 0.0 40.1 60.1#

130 0.0 1.8 2.8#

166 303.6 26.6 39.8#





#59

Diethylphthalate

Concen: 2.68 ng

RT: 10.36 min Scan# 724

Delta R.T. 0.08 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

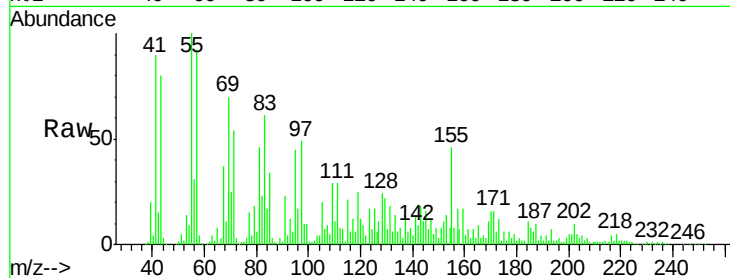
Tgt Ion:149 Resp: 10494

Ion Ratio Lower Upper

149 100

177 76.5 16.6 25.0#

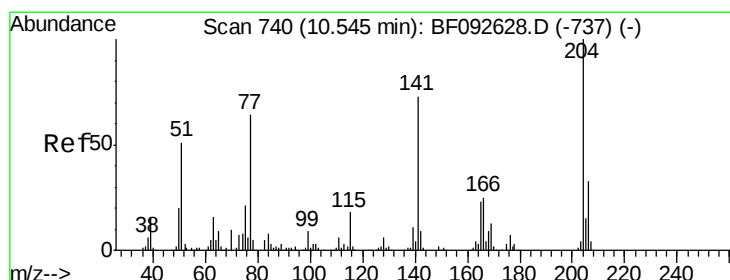
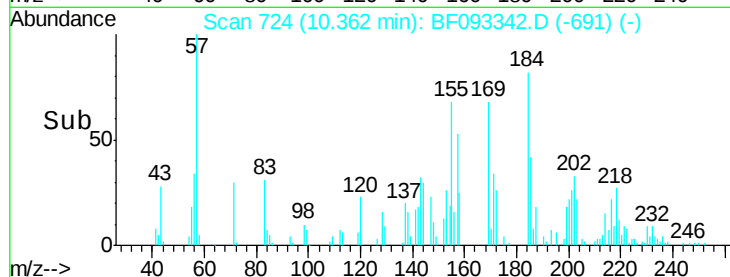
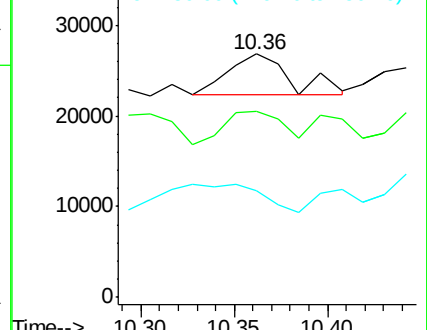
150 43.6 10.4 15.6#



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: 12.77 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

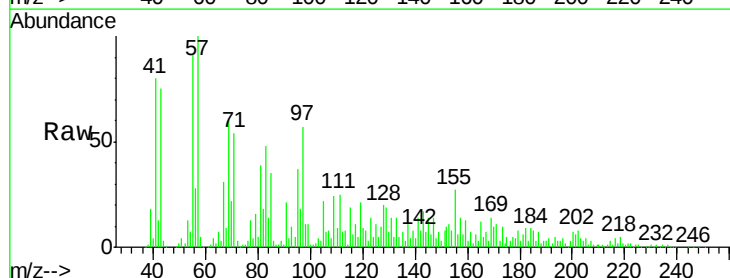
Tgt Ion:204 Resp: 22747

Ion Ratio Lower Upper

204 100

206 43.8 25.8 38.6#

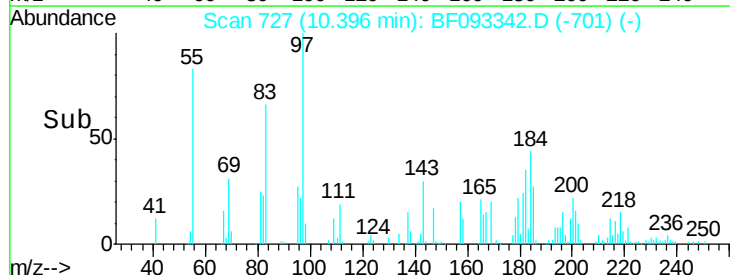
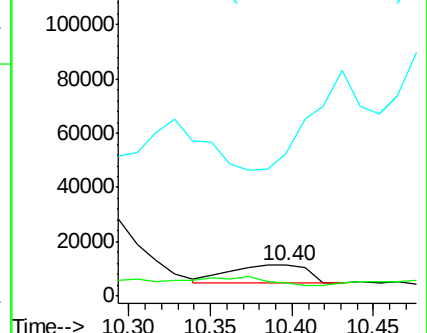
141 459.6 59.4 89.0#

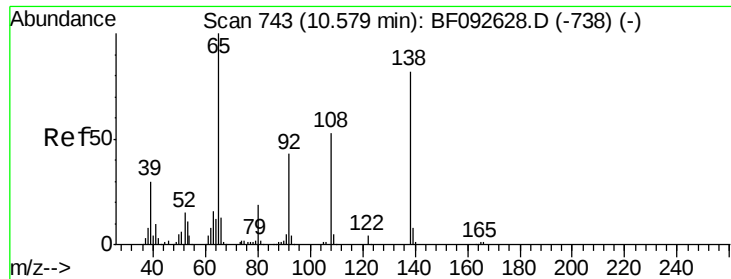


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 36.61 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.07 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

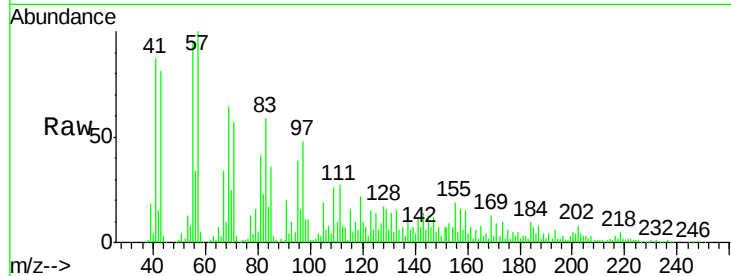
Tgt Ion:138 Resp: 38440

Ion Ratio Lower Upper

138 100

92 61.4 31.7 71.7

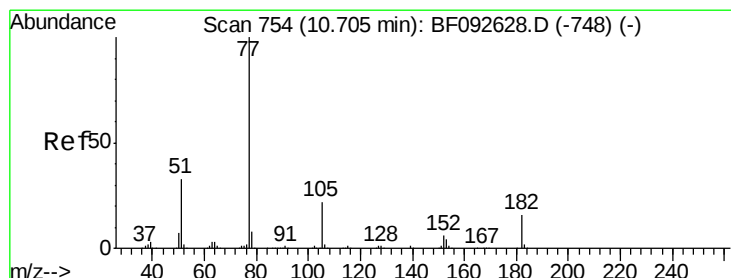
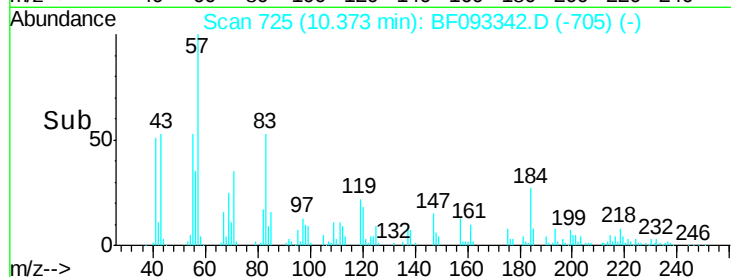
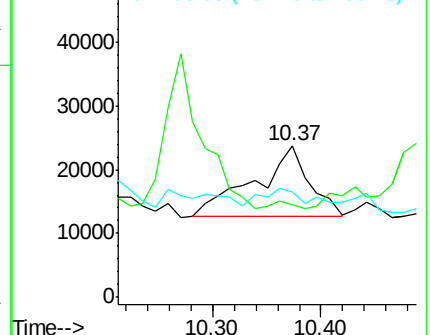
108 69.2 52.6 92.6



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: 18.63 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.08 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Tgt Ion: 77 Resp: 75248

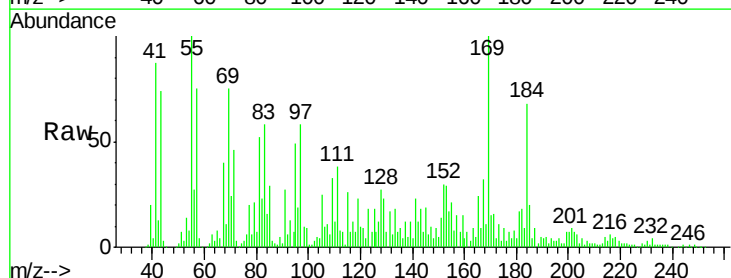
Ion Ratio Lower Upper

77 100

182 91.8 0.0 39.3#

105 127.8 2.3 42.3#

51 33.9 8.9 48.9

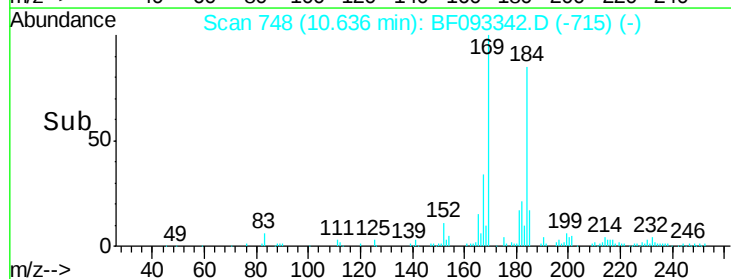
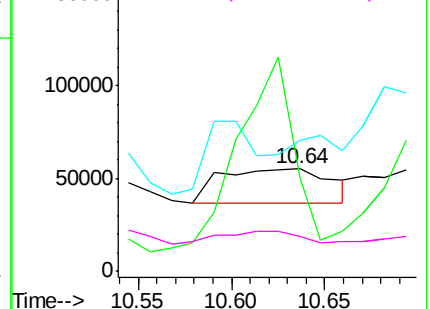


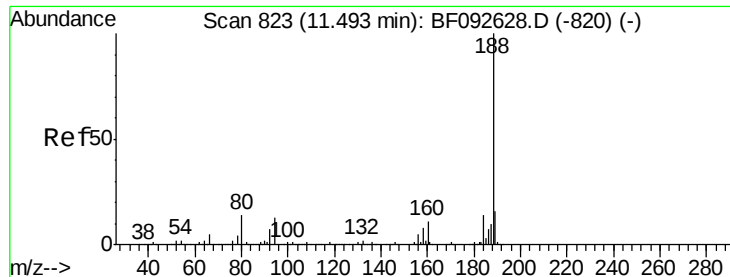
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

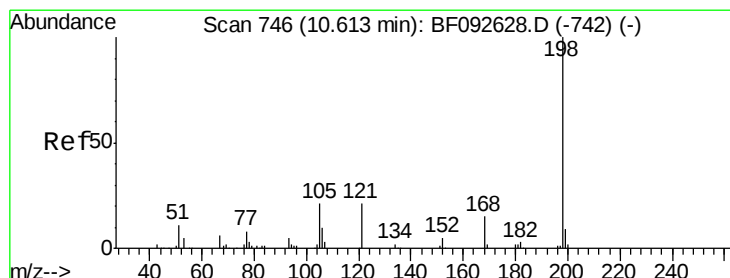
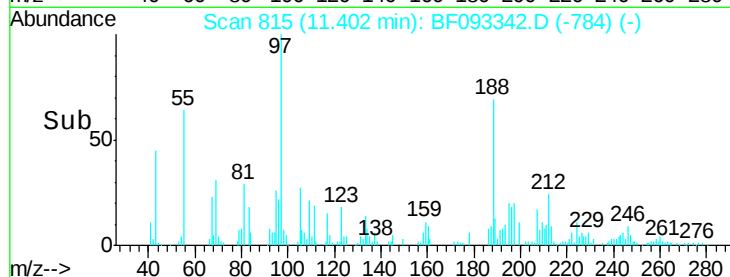
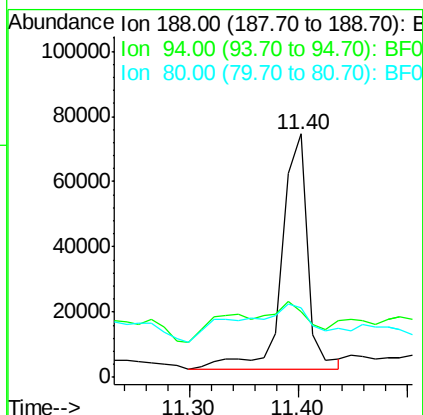
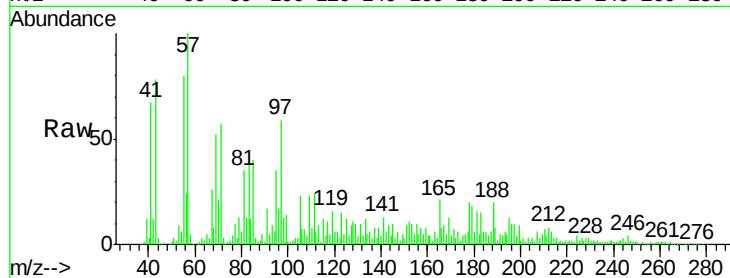




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 815
Delta R.T. 0.06 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

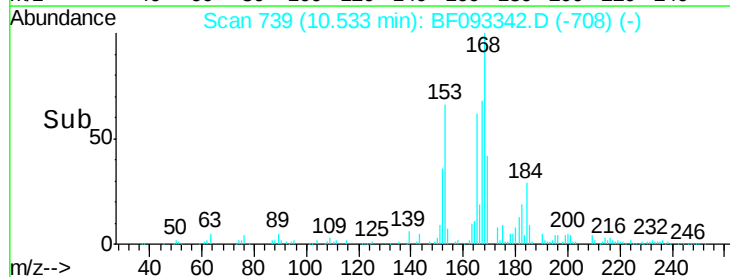
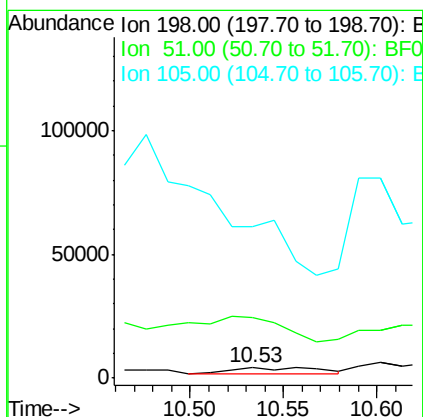
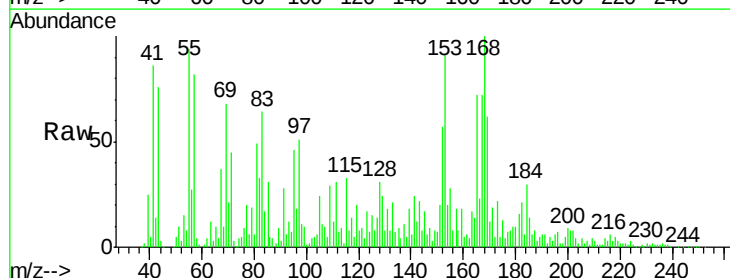
Instrument :
BNA_F
ClientSampleId :
HY-SB421A

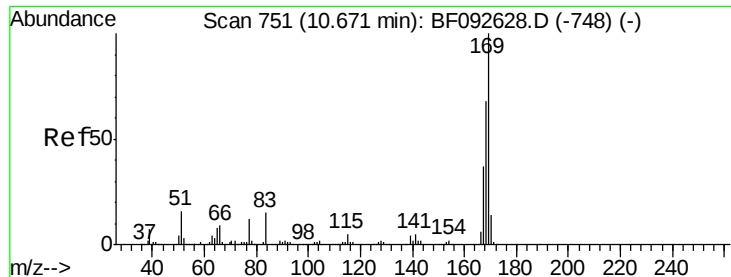
Tgt Ion:188 Resp: 119123
Ion Ratio Lower Upper
188 100
94 26.9 10.0 15.0#
80 28.4 11.2 16.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 12.56 ng
RT: 10.53 min Scan# 739
Delta R.T. 0.06 min
Lab File: BF093342.D
Acq: 3 Mar 2017 1:07

Tgt Ion:198 Resp: 7597
Ion Ratio Lower Upper
198 100
51 570.2 6.7 46.7#
105 1427.4 16.6 56.6#





#65

n-Nitrosodiphenylamine

Concen: 104.94 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

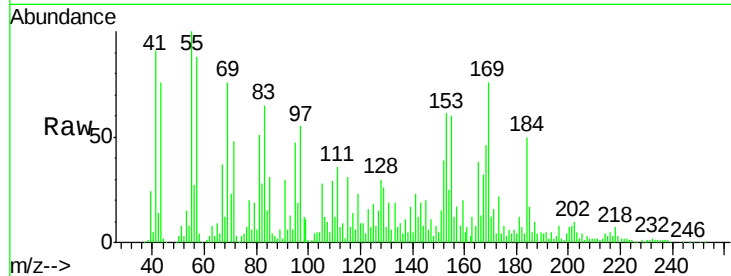
Tgt Ion:169 Resp: 399332

Ion Ratio Lower Upper

169 100

168 60.5 54.2 81.2

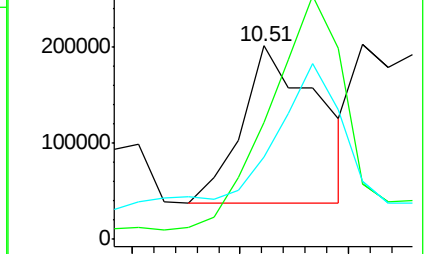
167 42.7 30.2 45.4



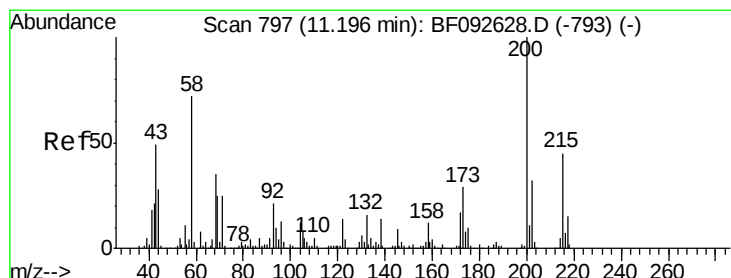
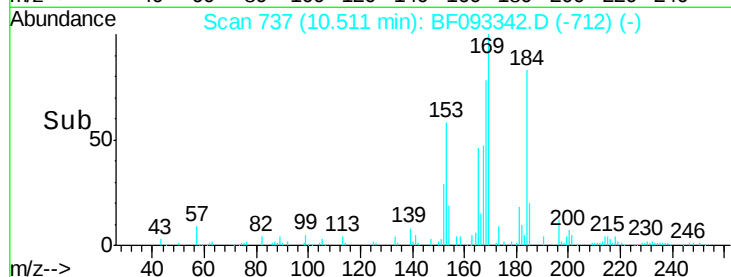
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#68

Atrazine

Concen: 36.66 ng

RT: 11.13 min Scan# 791

Delta R.T. 0.08 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

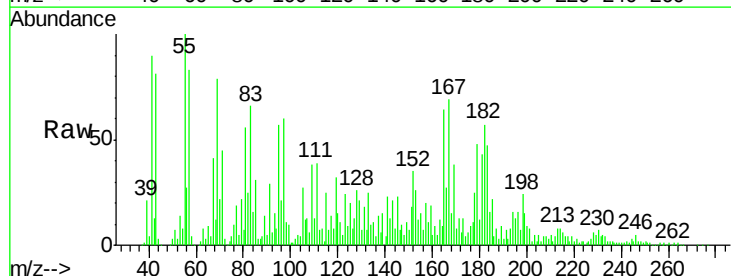
Tgt Ion:200 Resp: 44764

Ion Ratio Lower Upper

200 100

173 147.7 9.6 49.6#

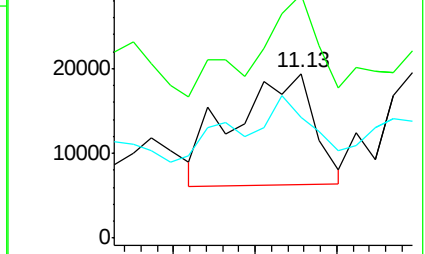
215 72.9 25.7 65.7#



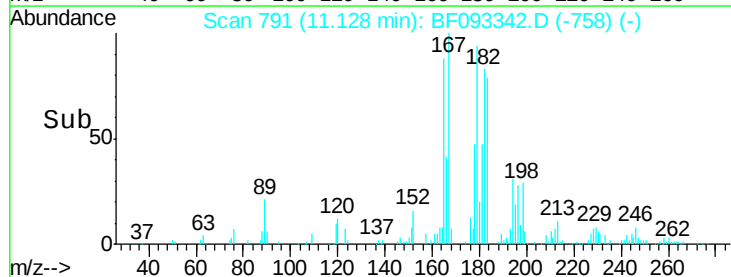
Abundance Ion 200.00 (199.70 to 200.70): E

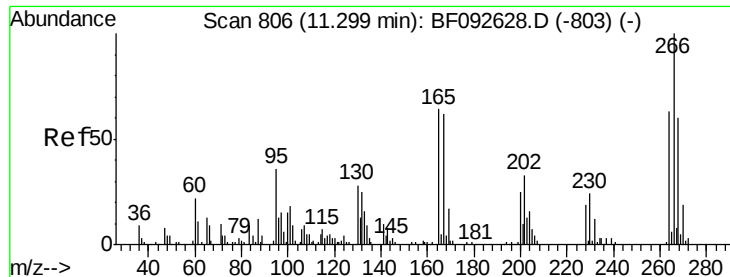
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



Time-->

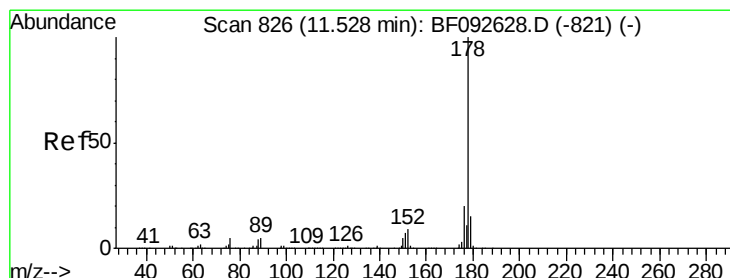
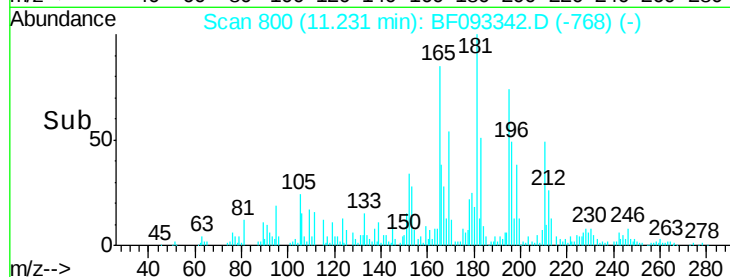
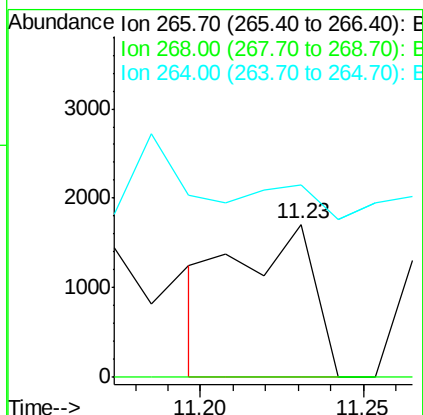
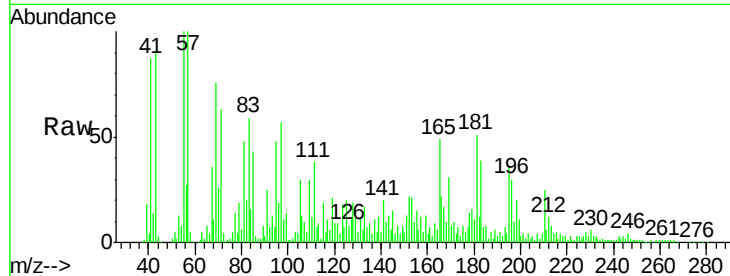




#69
 Pentachlorophenol
 Concen: 11.36 ng
 RT: 11.23 min Scan# 800
 Delta R.T. 0.07 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

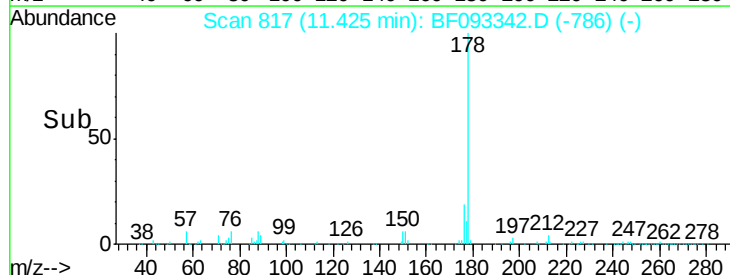
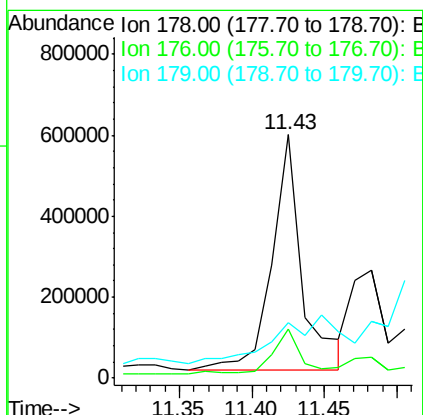
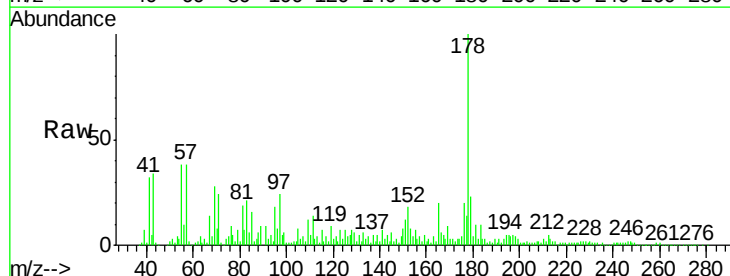
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB421A

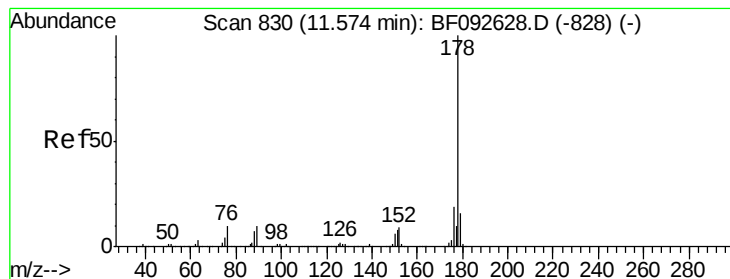
Tgt Ion:266 Resp: 2900
 Ion Ratio Lower Upper
 266 100
 268 0.0 53.3 79.9#
 264 125.8 50.3 75.5#



#70
 Phenanthrene
 Concen: 122.74 ng
 RT: 11.43 min Scan# 817
 Delta R.T. 0.06 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

Tgt Ion:178 Resp: 837658
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.6 25.0
 179 22.9 12.8 19.2#





#71

Anthracene

Concen: 34.28 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.07 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

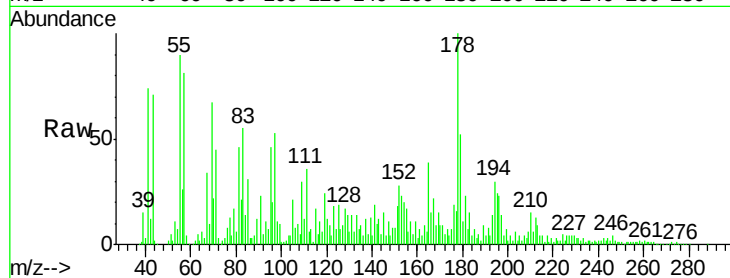
Tgt Ion:178 Resp: 234941

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

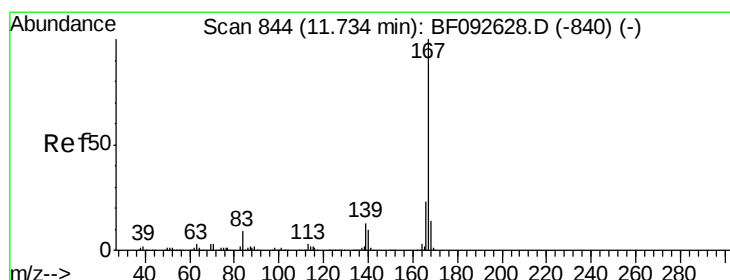
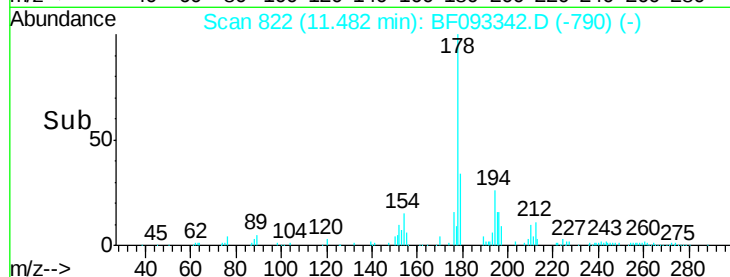
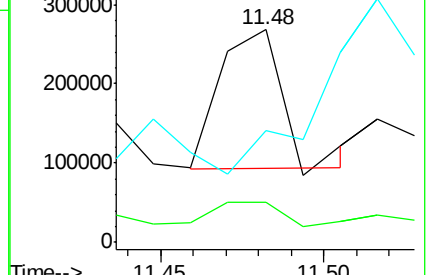
179 52.3 13.2 19.8#



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



#72

Carbazole

Concen: 3.82 ng

RT: 11.62 min Scan# 834

Delta R.T. 0.05 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

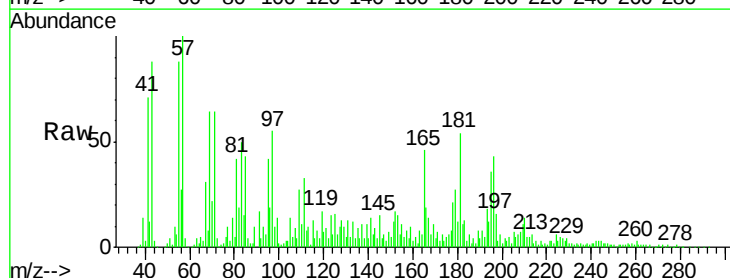
Tgt Ion:167 Resp: 25051

Ion Ratio Lower Upper

167 100

166 138.1 18.2 27.2#

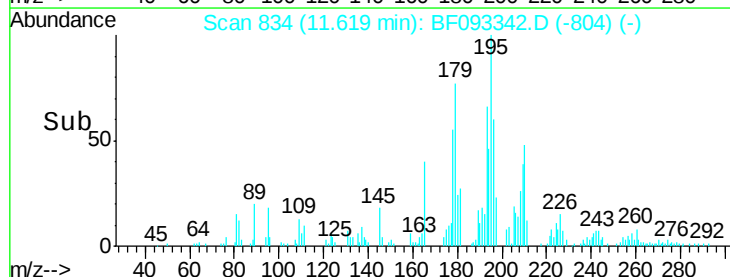
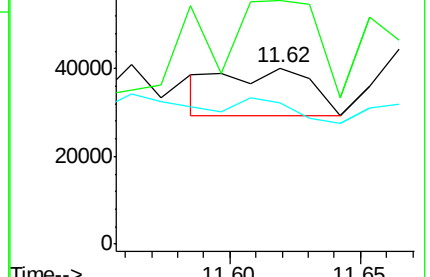
139 80.1 11.4 17.2#

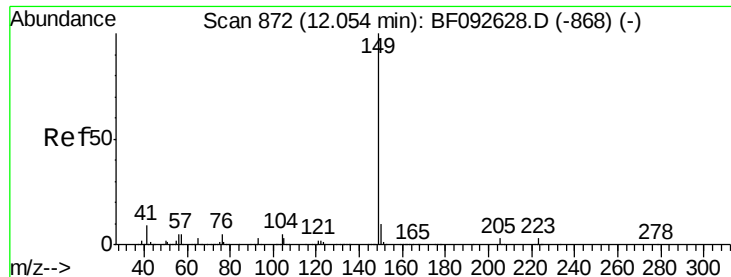


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 3.93 ng

RT: 11.94 min Scan# 862

Delta R.T. 0.03 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

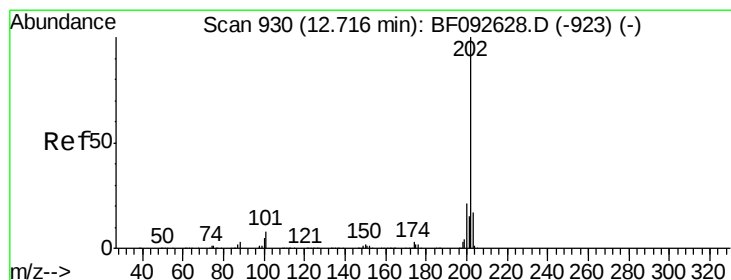
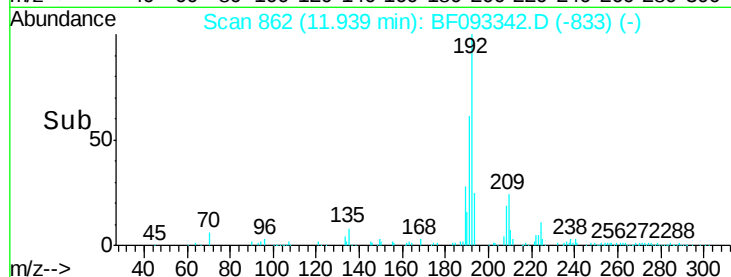
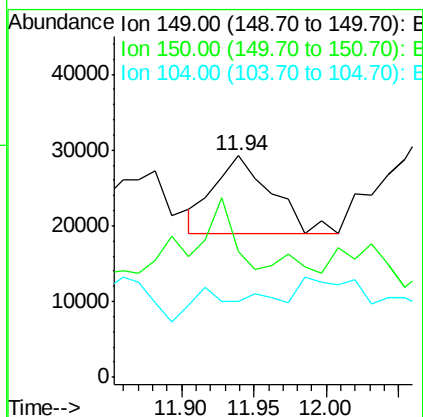
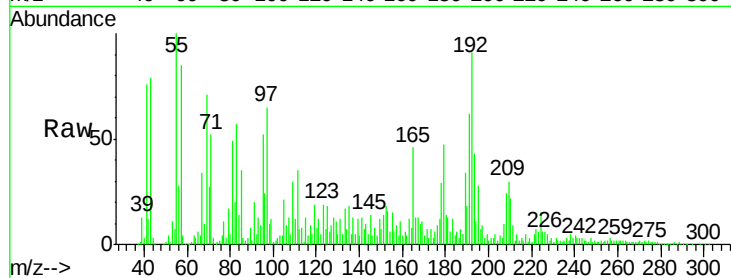
Tgt Ion:149 Resp: 27837

Ion Ratio Lower Upper

149 100

150 57.1 8.1 12.1#

104 34.1 4.6 7.0#



#74

Fluoranthene

Concen: 319.12 ng

RT: 12.61 min Scan# 921

Delta R.T. 0.06 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

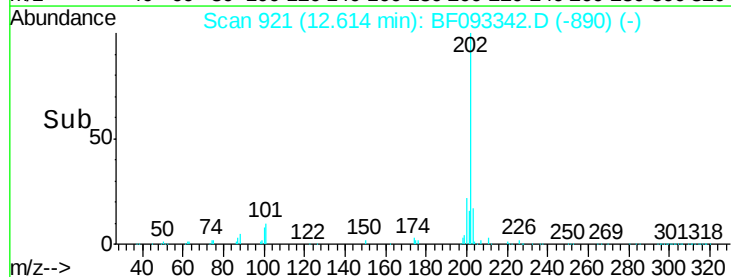
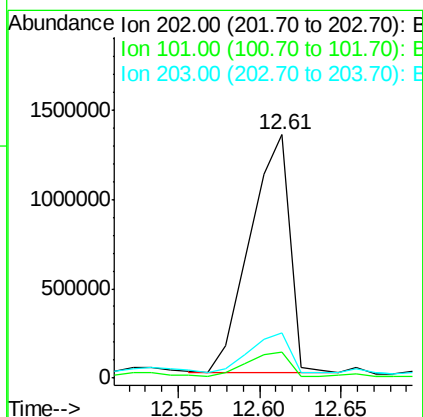
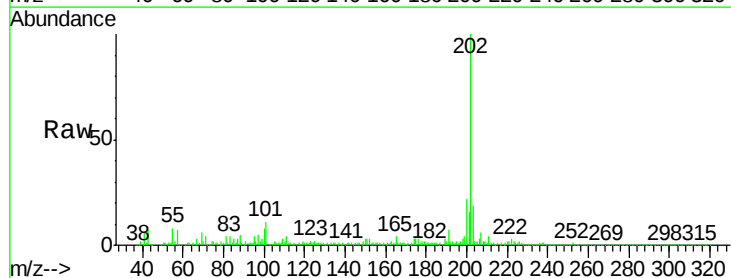
Tgt Ion:202 Resp: 2246481

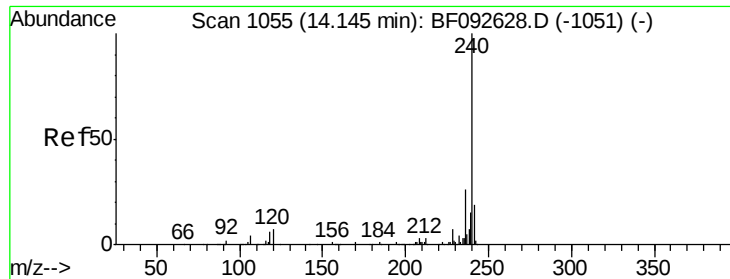
Ion Ratio Lower Upper

202 100

101 10.8 0.0 34.6

203 18.7 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

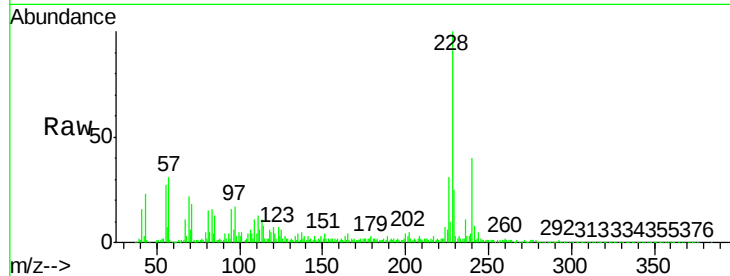
Tgt Ion:240 Resp: 220224

Ion Ratio Lower Upper

240 100

120 18.7 12.9 19.3

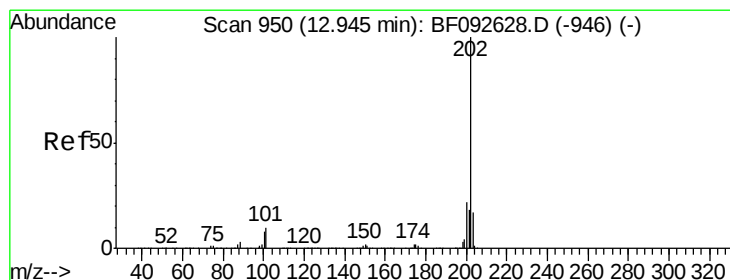
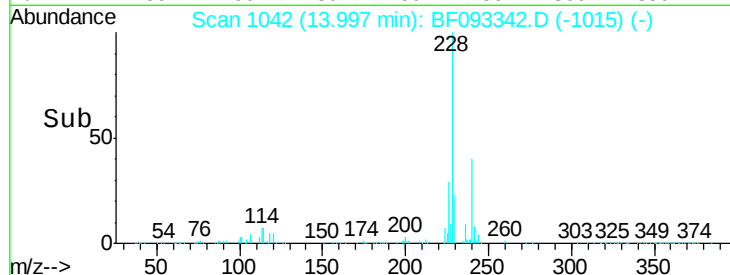
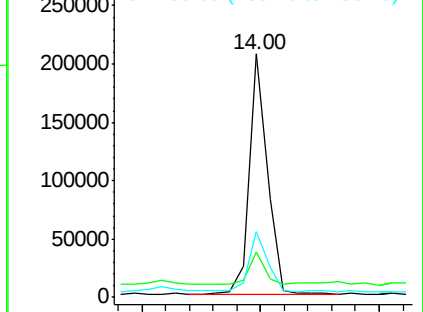
236 27.1 20.9 31.3



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



#77

Pyrene

Concen: 135.65 ng

RT: 12.61 min Scan# 921

Delta R.T. -0.17 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

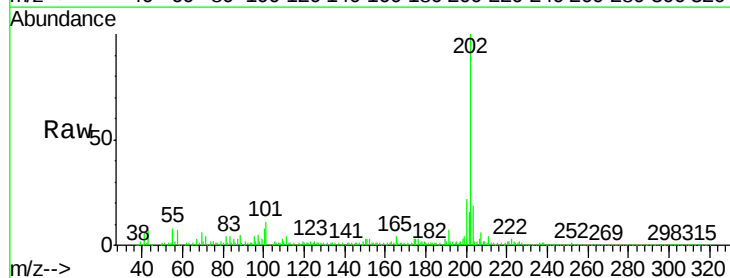
Tgt Ion:202 Resp: 2235616

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

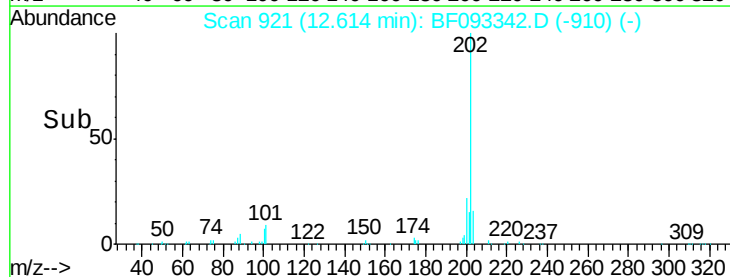
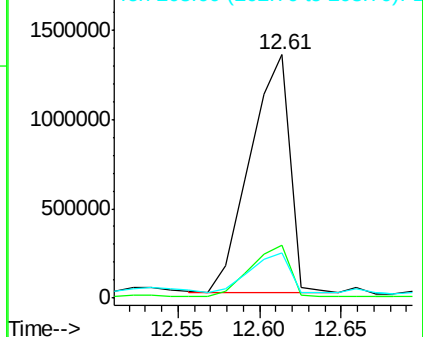
203 18.7 14.7 22.1

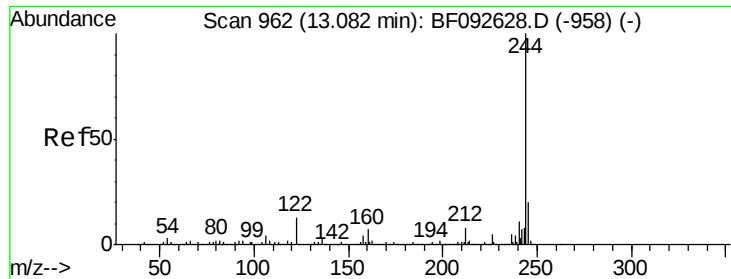


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 32.53 ng

RT: 12.96 min Scan# 951

Delta R.T. 0.03 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

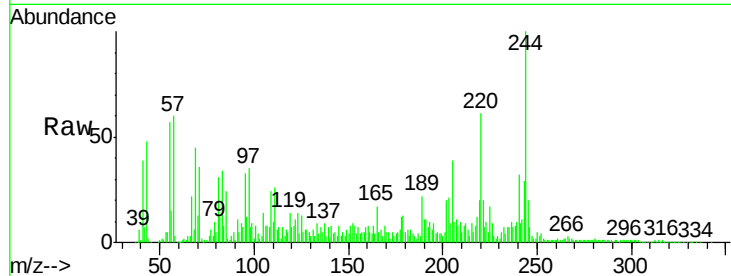
Tgt Ion:244 Resp: 304869

Ion Ratio Lower Upper

244 100

212 9.0 6.2 9.2

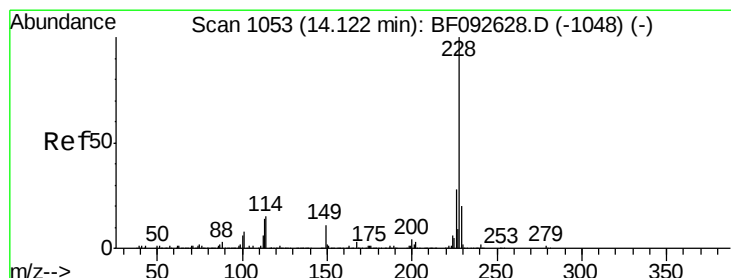
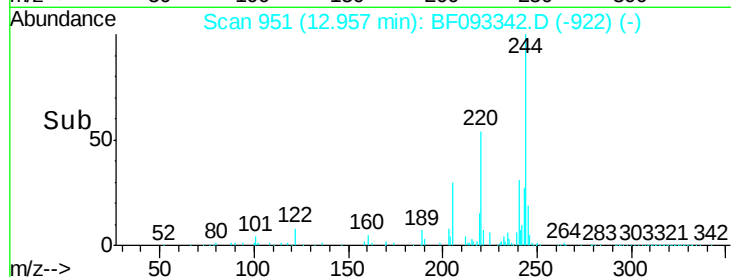
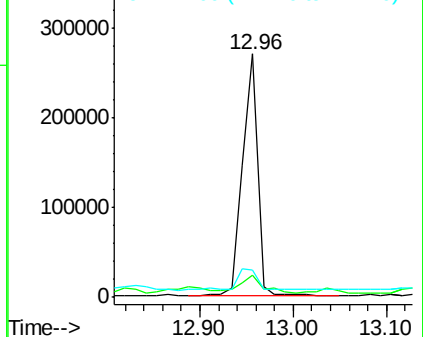
122 11.2 11.4 17.2#



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



#80

Benzo(a)anthracene

Concen: 129.84 ng

RT: 13.99 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

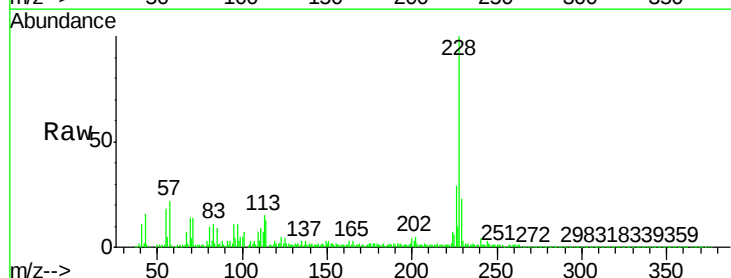
Tgt Ion:228 Resp: 1748862

Ion Ratio Lower Upper

228 100

226 28.9 22.4 33.6

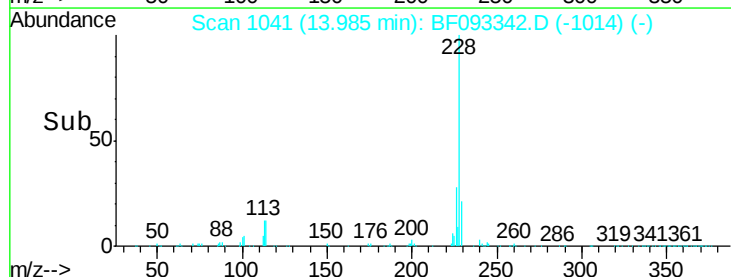
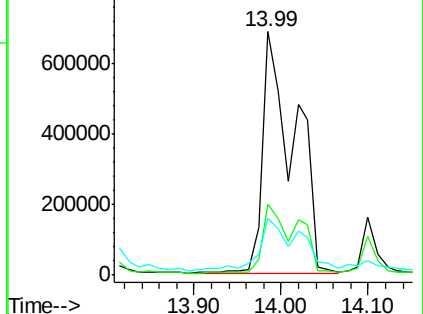
229 23.3 16.2 24.4

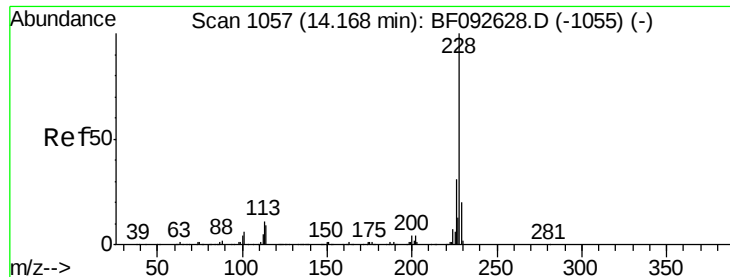


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 138.68 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

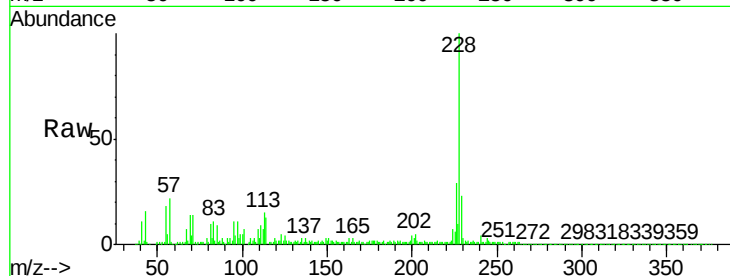
Tgt Ion:228 Resp: 1748862

Ion Ratio Lower Upper

228 100

226 28.9 25.4 38.0

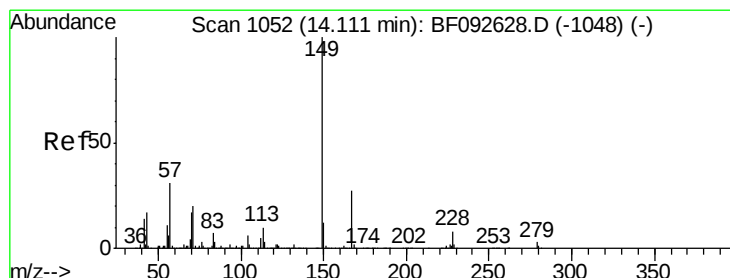
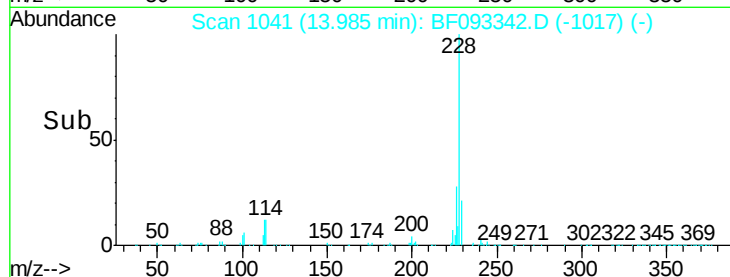
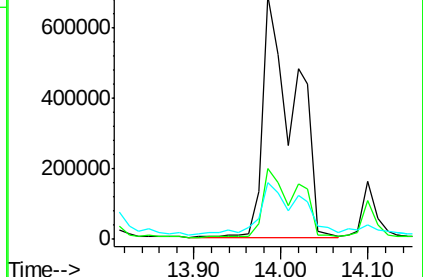
229 23.3 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 12.56 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

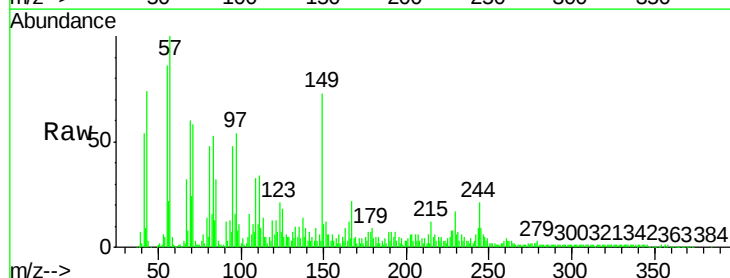
Tgt Ion:149 Resp: 114991

Ion Ratio Lower Upper

149 100

167 29.6 20.2 30.4

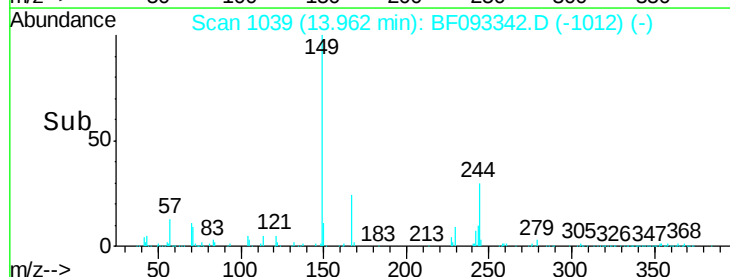
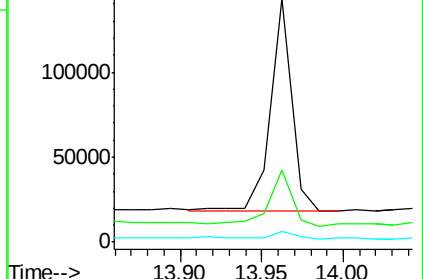
279 4.4 1.8 2.8#

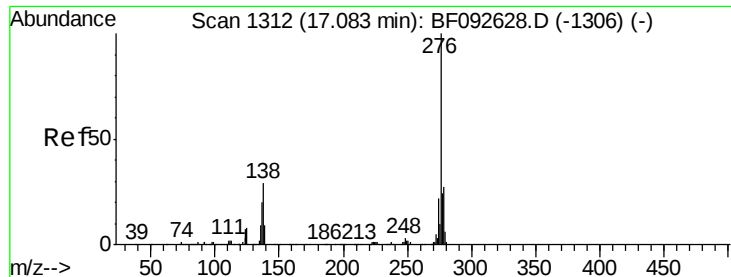


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

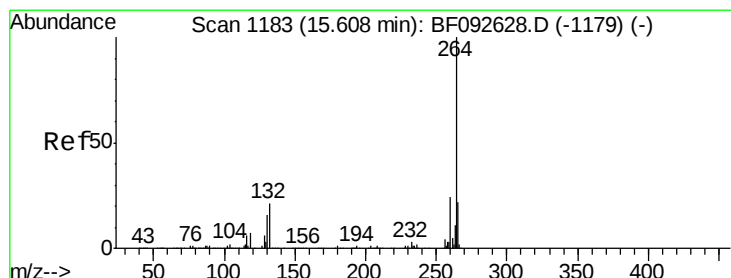
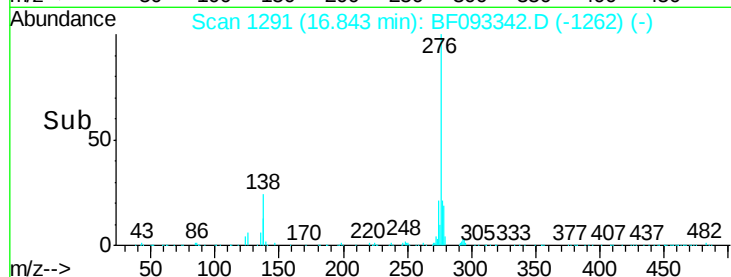
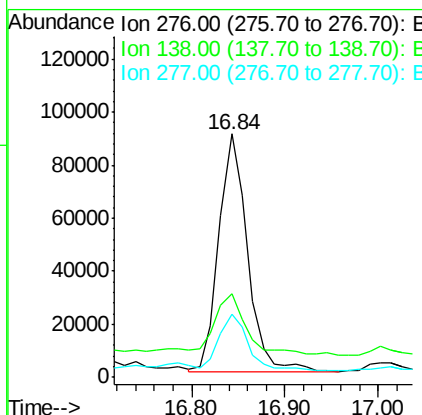
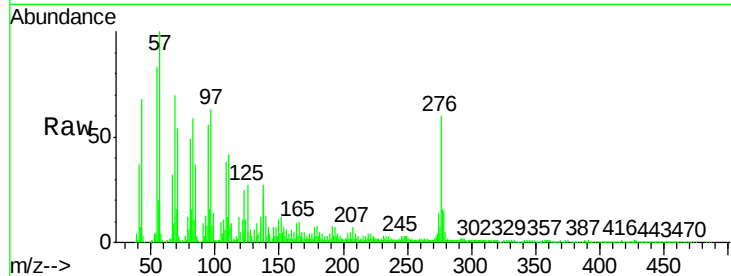




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.69 ng
 RT: 16.84 min Scan# 1291
 Delta R.T. 0.03 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

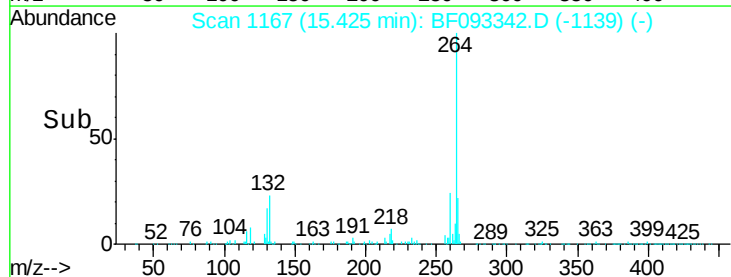
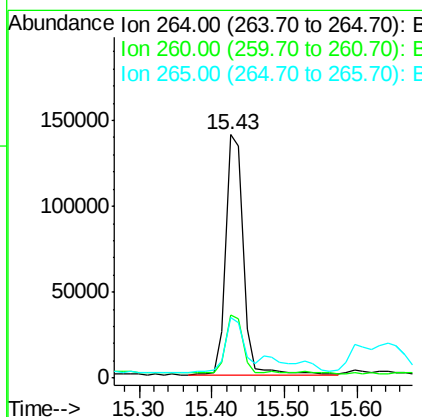
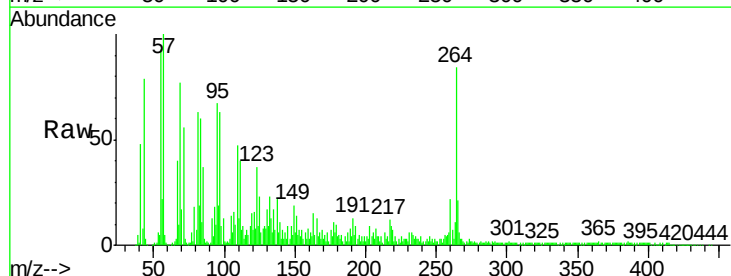
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB421A

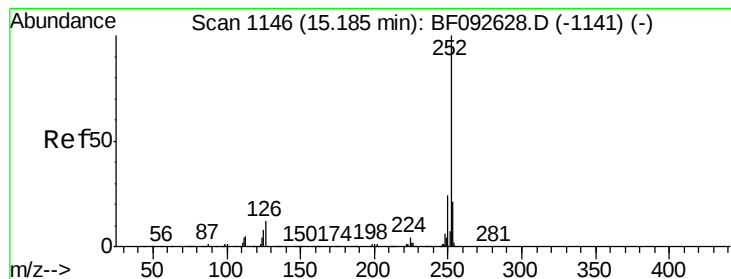
Tgt Ion:276 Resp: 192338
 Ion Ratio Lower Upper
 276 100
 138 33.2 21.8 32.6#
 277 23.9 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1167
 Delta R.T. 0.02 min
 Lab File: BF093342.D
 Acq: 3 Mar 2017 1:07

Tgt Ion:264 Resp: 236763
 Ion Ratio Lower Upper
 264 100
 260 25.7 19.2 28.8
 265 24.7 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 62.03 ng

RT: 15.03 min Scan# 1132

Delta R.T. 0.02 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

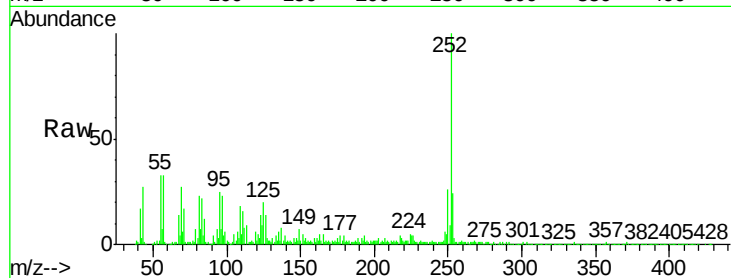
Tgt Ion:252 Resp: 966618

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.4

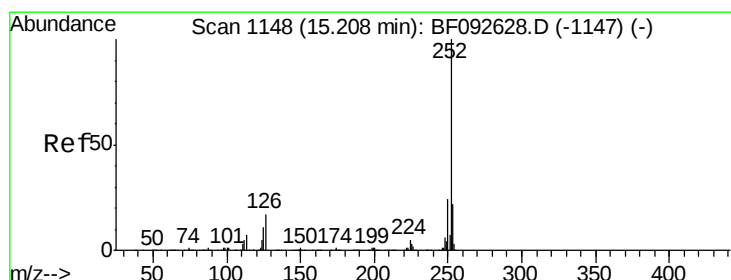
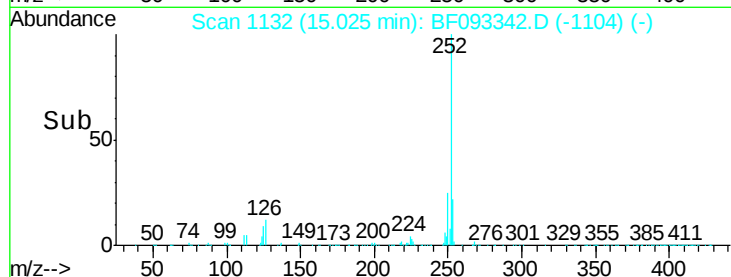
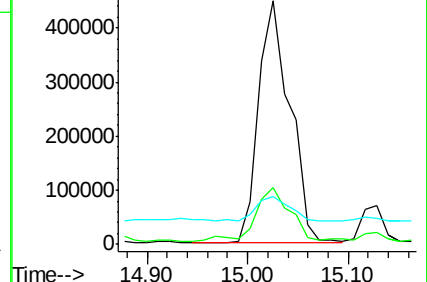
125 19.6 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 71.84 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.00 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

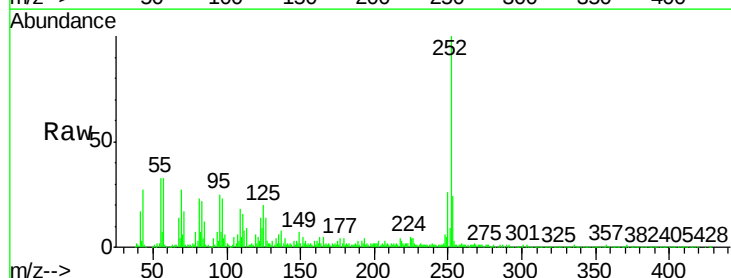
Tgt Ion:252 Resp: 966618

Ion Ratio Lower Upper

252 100

253 23.5 18.5 27.7

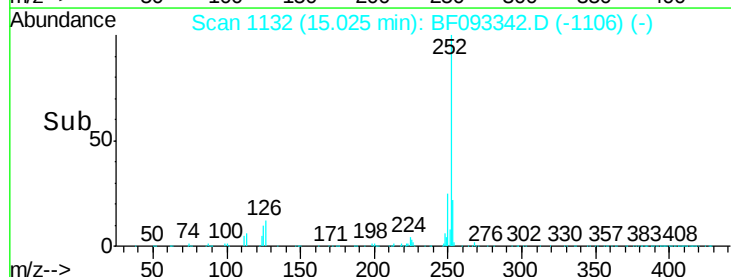
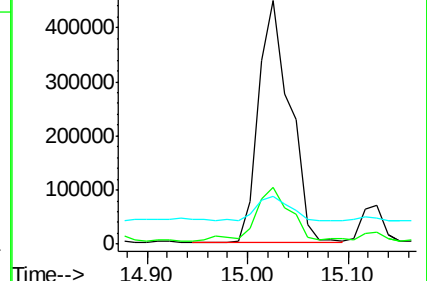
125 19.6 8.9 13.3#

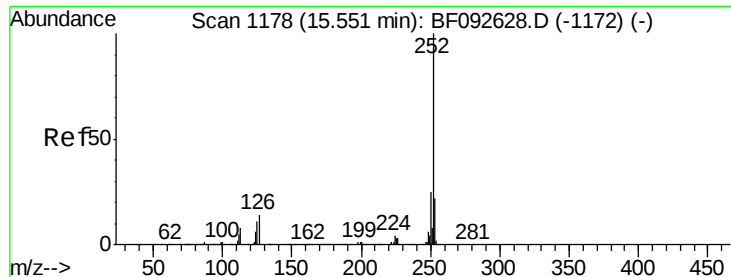


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 31.46 ng

RT: 15.37 min Scan# 1162

Delta R.T. 0.02 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

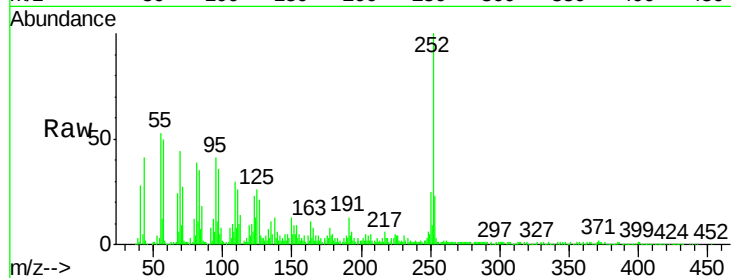
Tgt Ion: 252 Resp: 424070

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

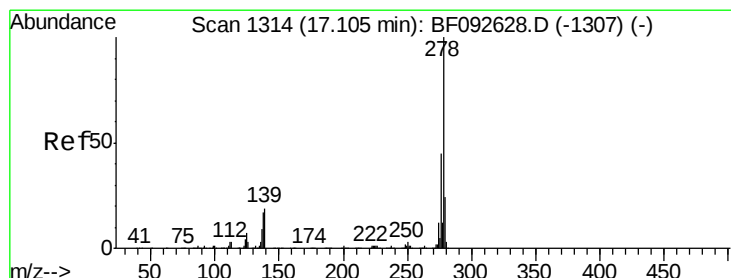
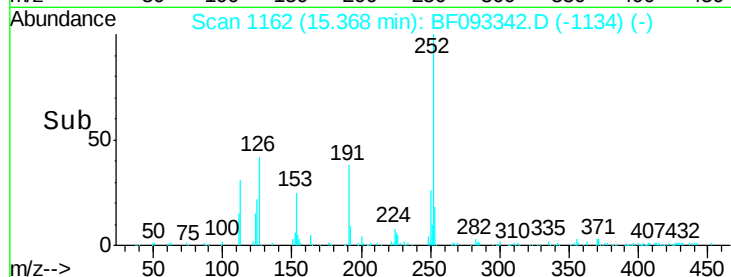
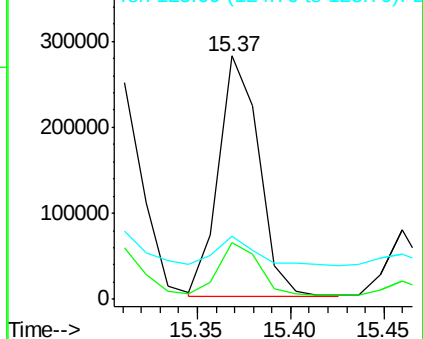
125 25.7 10.0 15.0#



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: 5.52 ng

RT: 16.84 min Scan# 1291

Delta R.T. 0.03 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

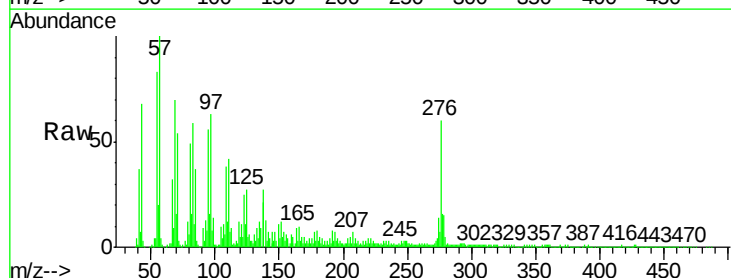
Tgt Ion: 278 Resp: 60113

Ion Ratio Lower Upper

278 100

139 86.7 14.8 22.2#

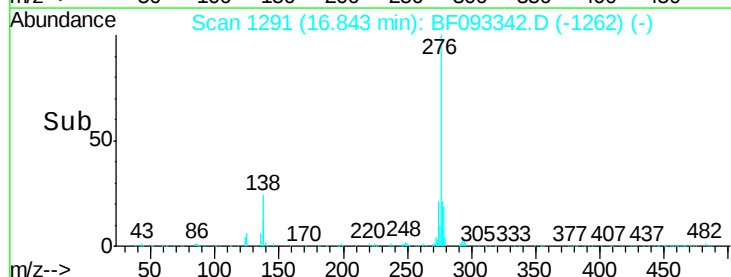
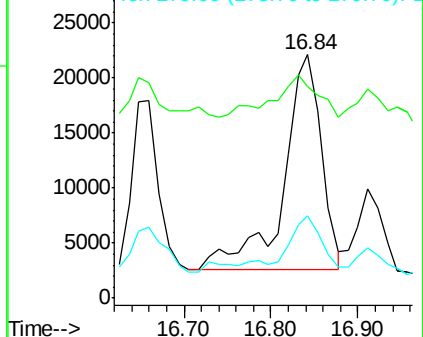
279 34.1 19.8 29.6#

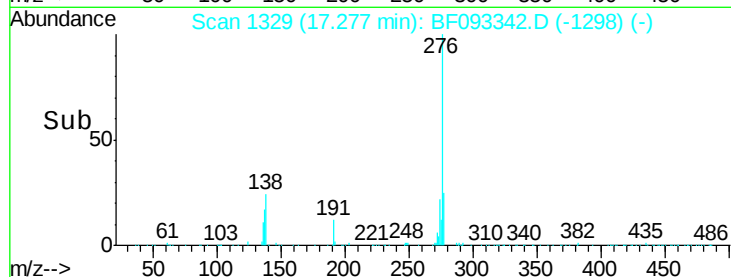
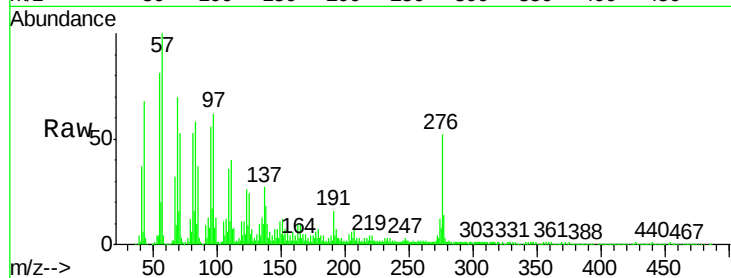
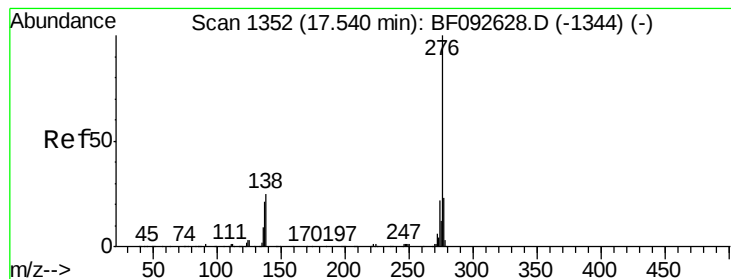


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 15.88 ng

RT: 17.28 min Scan# 1329

Delta R.T. 0.06 min

Lab File: BF093342.D

Acq: 3 Mar 2017 1:07

Instrument :

BNA_F

ClientSampleId :

HY-SB421A

Tgt Ion: 276 Resp: 174783

Ion Ratio Lower Upper

276 100

277 27.4 19.2 28.8

138 34.6 16.0 24.0#

