

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\
 Data File : BF093505.D
 Acq On : 10 Mar 2017 4:59
 Operator : SJ/MA
 Sample : I2176-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-15

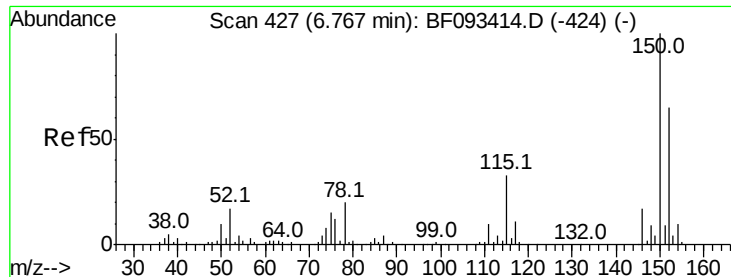
Quant Time: Mar 10 05:43:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	190991	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	690283	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	301167	20.00	ng	-0.02
63) Phenanthrene-d10	11.28	188	511531	20.00	ng	0.00
75) Chrysene-d12	13.91	240	379955	20.00	ng	-0.01
86) Perylene-d12	15.33	264	373056	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	770982	67.18	ng	0.00
7) Phenol-d6	6.41	99	899322	62.15	ng	0.00
23) Nitrobenzene-d5	7.33	82	1033358	83.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	252153	128.51	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	1754586	108.37	ng	-0.01
78) Terphenyl-d14	12.86	244	1096716	75.05	ng	-0.01

Target Compounds						Qvalue
6) Aniline	6.42	93	114606	5.77	ng	# 1
10) Phenol	6.44	94	1191233	67.18	ng	# 72
11) bis(2-Chloroethyl)ether	6.42	93	114804	8.01	ng	87
15) Benzyl Alcohol	6.93	79	952150	92.30	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.79	45	60159	2.53	ng	96
17) 2-Methylphenol	6.93	107	513478	47.21	ng	# 25
18) Hexachloroethane	7.25	117	38448	7.57	ng	# 1
19) n-Nitroso-di-n-propylamine	7.17	70	34902	3.51	ng	# 74
20) 3+4-Methylphenols	7.20	107	1318497	93.48	ng	# 64
22) Acetophenone	7.14	105	246696	14.85	ng	# 56
24) Nitrobenzene	7.29	77	75542	5.40	ng	# 26
25) Isophorone	7.56	82	67152	2.68	ng	# 1
27) 2,4-Dimethylphenol	7.76	122	109930	10.59	ng	92
31) Naphthalene	8.06	128	675674	19.53	ng	96
32) Benzoic acid	7.90	122	111142	20.61	ng	# 34
35) Caprolactam	8.47	113	115042	34.50	ng	# 1
36) 4-Chloro-3-methylphenol	8.63	107	51352	4.93	ng	# 26
37) 2-Methylnaphthalene	8.76	142	442875	20.12	ng	99
42) 2,4,6-Trichlorophenol	9.05	196	20115	3.91	ng	86
43) 2,4,5-Trichlorophenol	9.05	196	20115	3.65	ng	# 1
52) 3-Nitroaniline	9.73	138	45766	8.70	ng	# 15
55) 4-Nitrophenol	9.90	139	12352	4.83	ng	# 1
56) 2,4-Dinitrotoluene	9.99	165	14891	2.77	ng	# 49
57) Fluorene	10.33	166	38564	2.22	ng	# 81
62) Azobenzene	10.71	77	77759	3.59	ng	79
66) 4-Bromophenyl-phenylether	10.58	248	18904	3.49	ng	# 1
76) Benzidine	12.47	184	43773	3.50	ng	97
83) Bis(2-ethylhexyl)phthalate	13.89	149	38126	2.35	ng	# 92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 426

Delta R.T. -0.01 min

Lab File: BF093505.D

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BNA_F

ClientSampleId :

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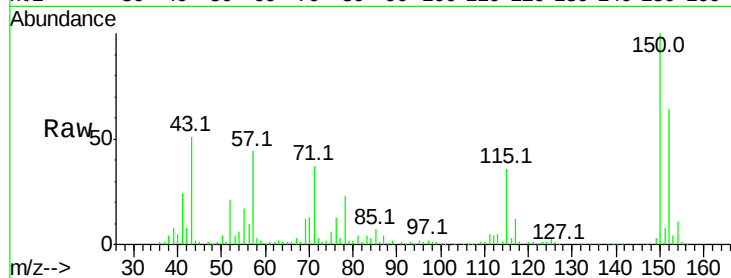
Tot Ion:152 Resp: 190991

Ion Ratio Lower Upper

152 100

150 157.1 124.9 187.3

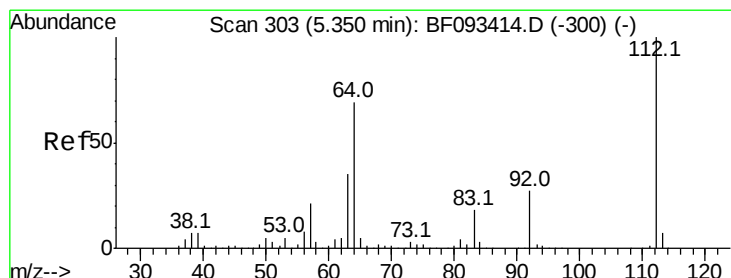
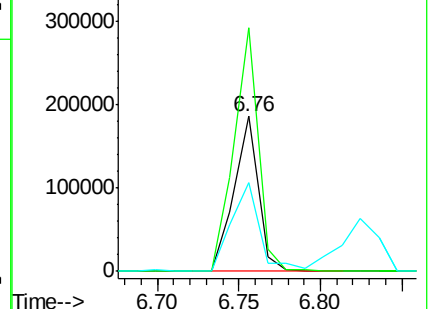
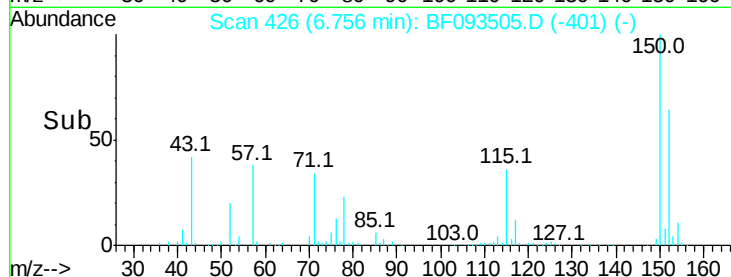
115 57.2 46.0 69.0



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



#5

2-Fluorophenol

Concen: 67.18 ng

RT: 5.35 min Scan# 303

Delta R.T. 0.00 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

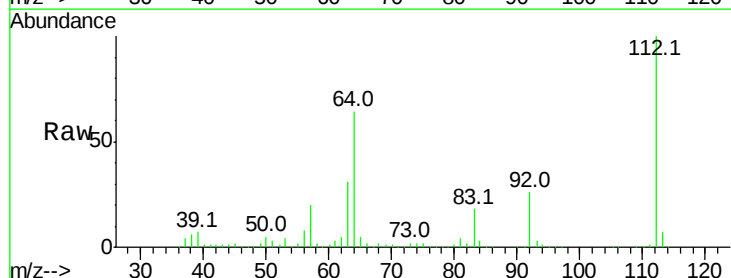
Tgt Ion:112 Resp: 770982

Ion Ratio Lower Upper

112 100

64 64.5 46.1 69.1

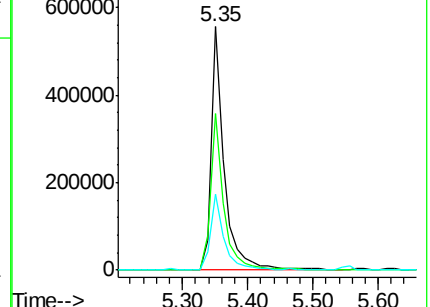
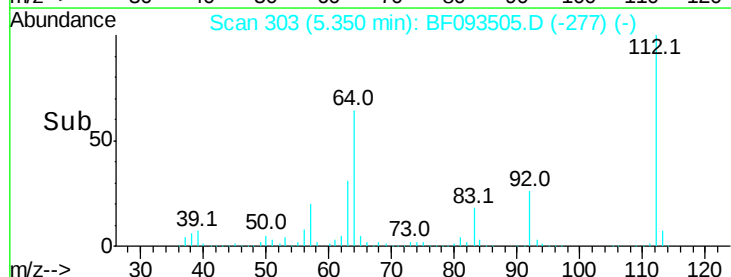
63 31.2 23.8 35.6

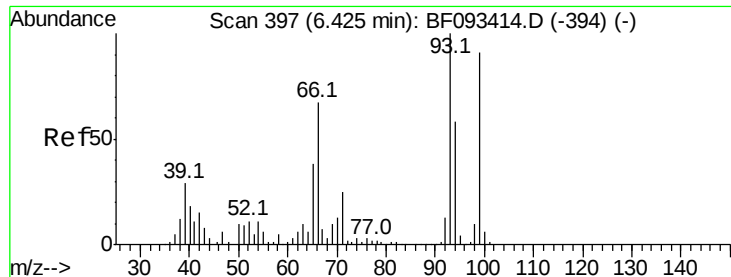


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 5.77 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

Instrument :

BNA_F

ClientSampleId :

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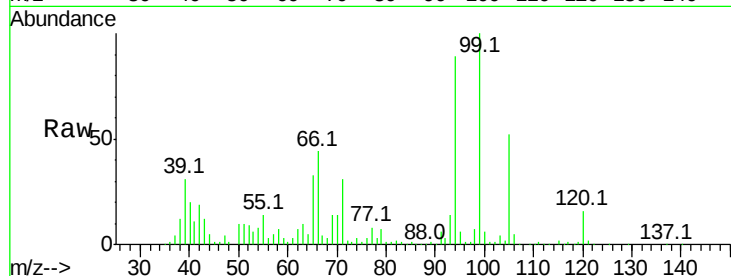
Tot Ion: 93 Resp: 114606

Ion Ratio Lower Upper

93 100

66 302.9 76.2 114.2#

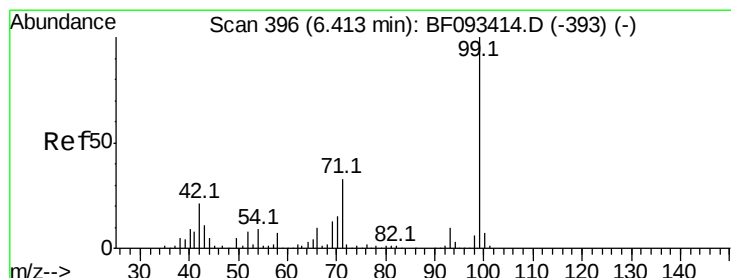
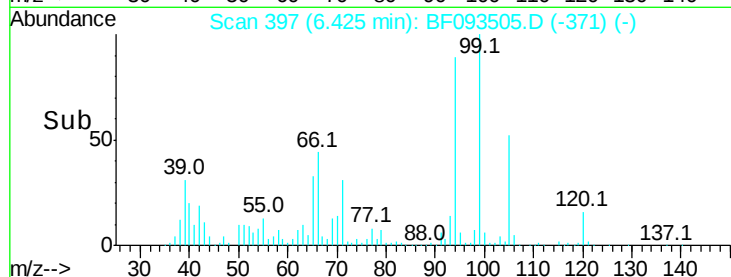
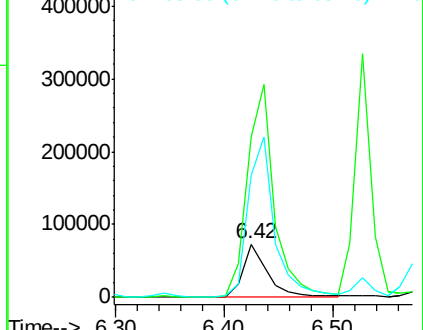
65 228.8 49.3 73.9#



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: 62.15 ng

RT: 6.41 min Scan# 396

Delta R.T. 0.00 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

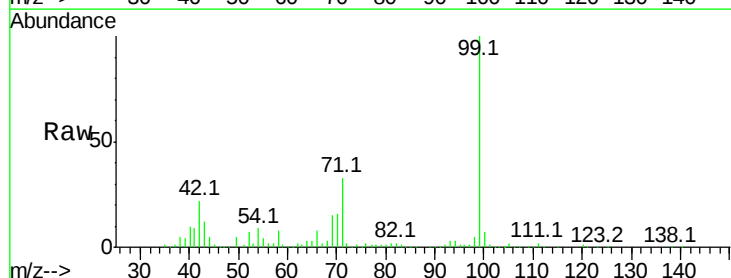
Tgt Ion: 99 Resp: 899322

Ion Ratio Lower Upper

99 100

42 22.0 15.6 23.4

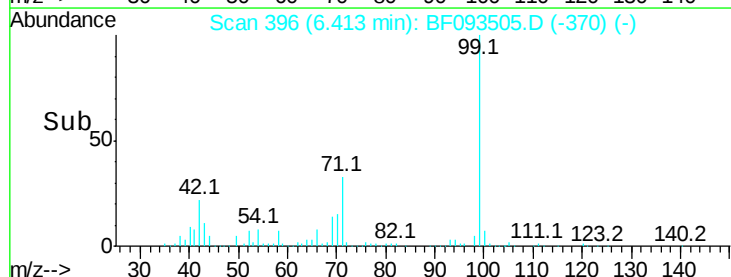
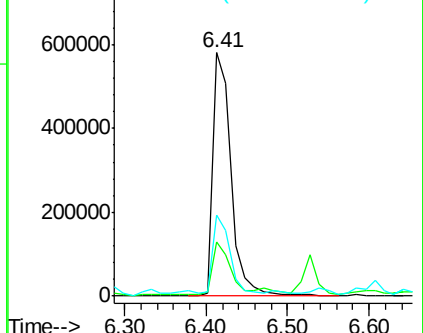
71 33.3 27.5 41.3

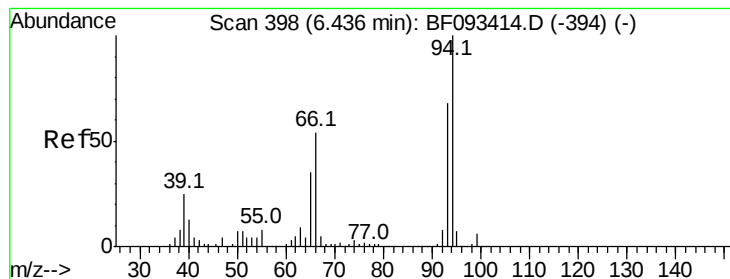


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 67.18 ng

RT: 6.44 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

Instrument :

BNA_F

ClientSampleId :

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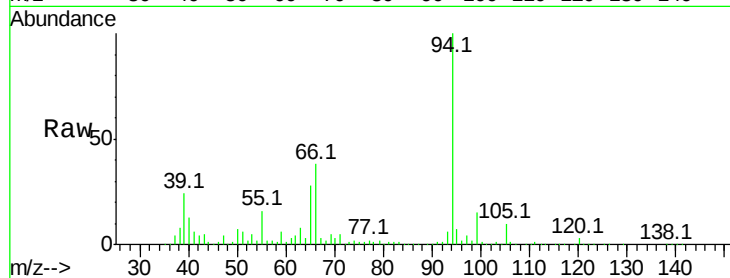
Tot Ion: 94 Resp: 1191233

Ion Ratio Lower Upper

94 100

65 28.5 21.4 61.4

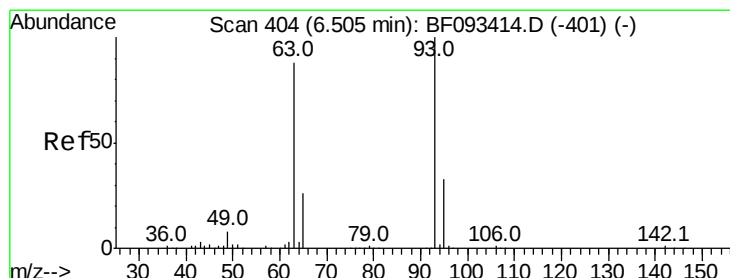
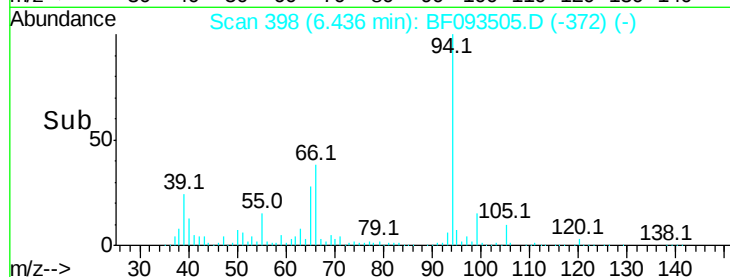
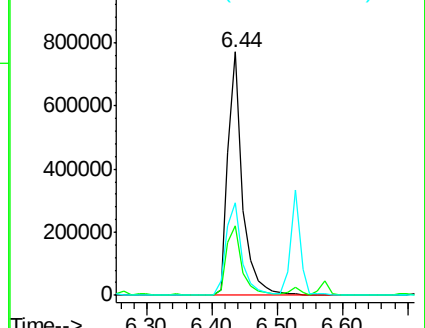
66 37.8 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 8.01 ng

RT: 6.42 min Scan# 397

Delta R.T. -0.08 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

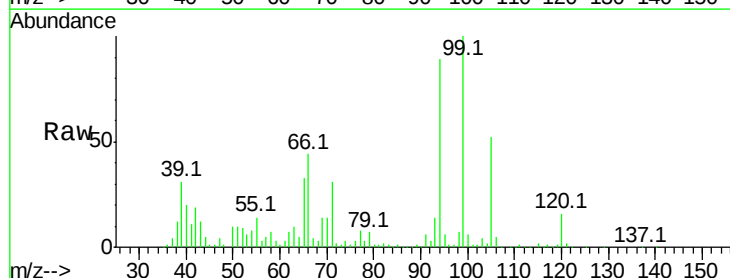
Tgt Ion: 93 Resp: 114804

Ion Ratio Lower Upper

93 100

63 72.1 60.4 100.4

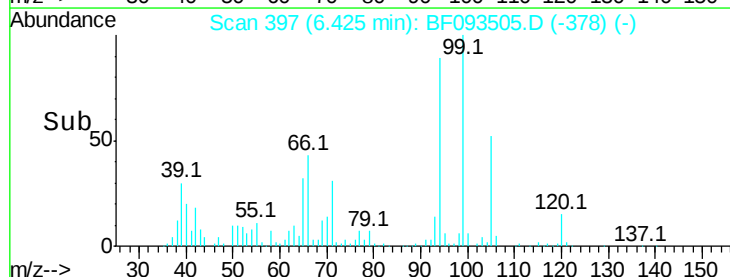
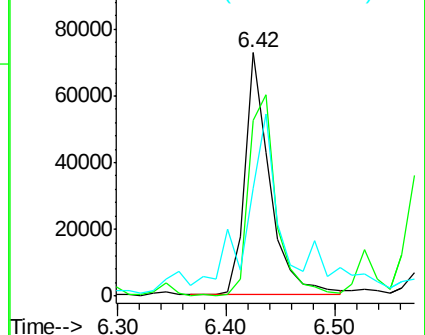
95 44.3 12.8 52.8

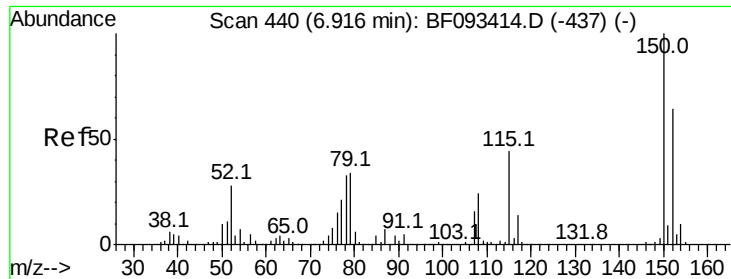


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 92.30 ng

RT: 6.93 min Scan# 441

Delta R.T. 0.01 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

Instrument :

BNA_F

ClientSampled :

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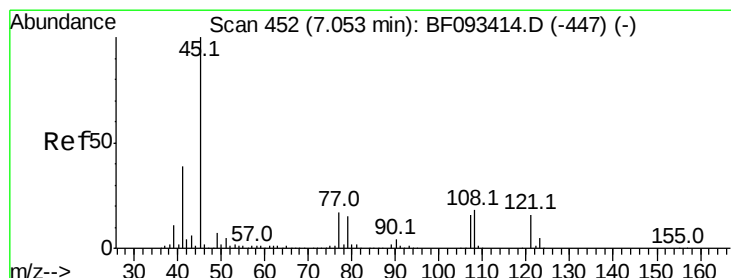
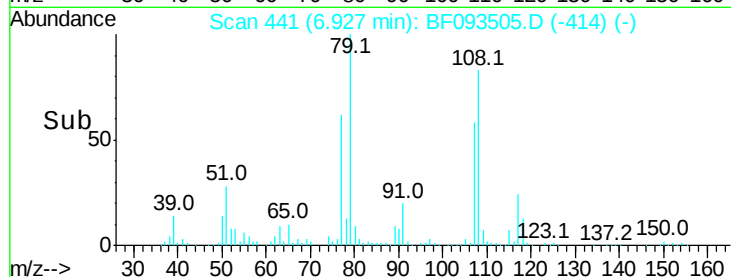
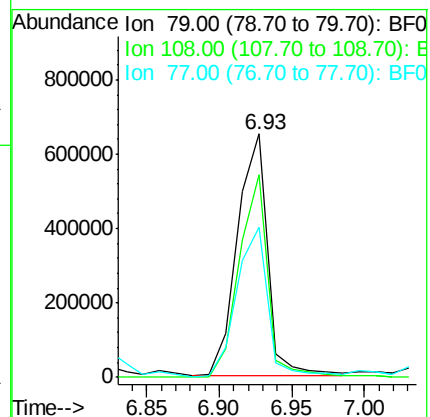
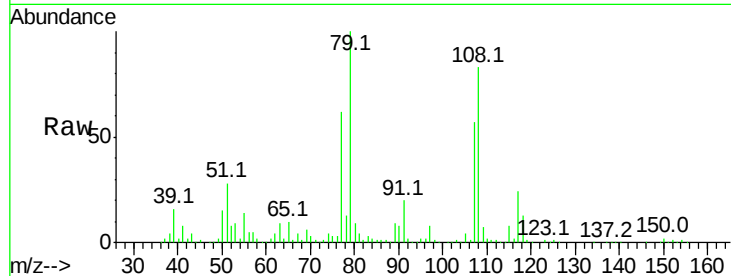
Tot Ion: 79 Resp: 952150

Ion Ratio Lower Upper

79 100

108 83.1 61.4 92.0

77 61.7 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 2.53 ng

RT: 6.79 min Scan# 429

Delta R.T. -0.26 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

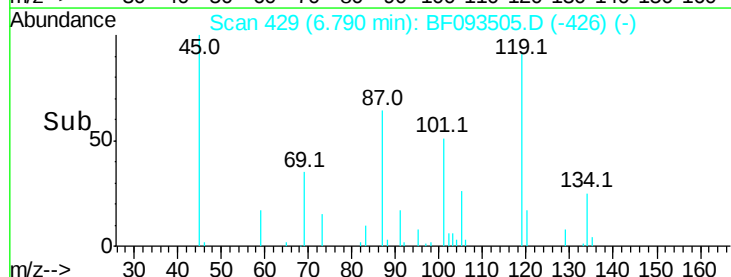
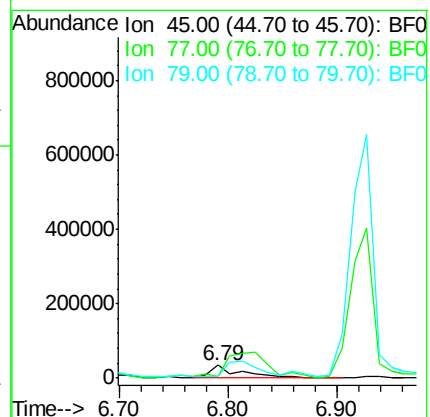
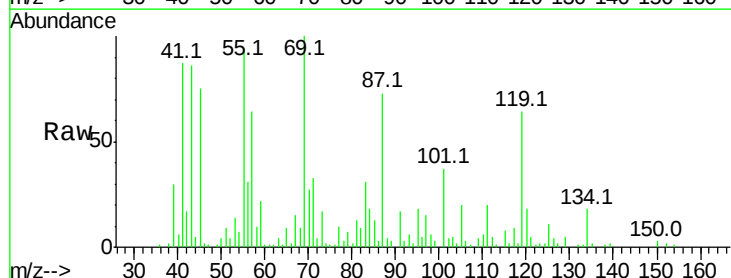
Tgt Ion: 45 Resp: 60159

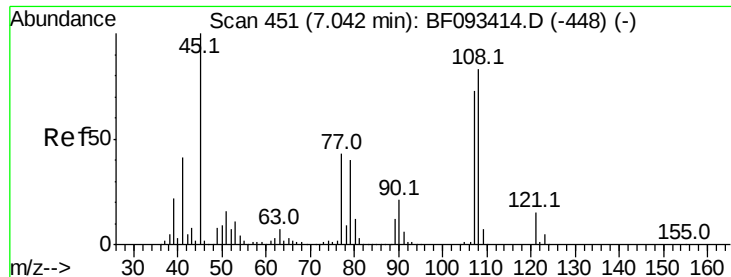
Ion Ratio Lower Upper

45 100

77 13.0 0.0 34.6

79 9.6 0.0 31.2

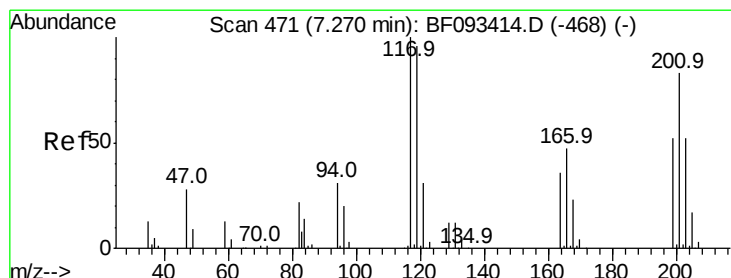
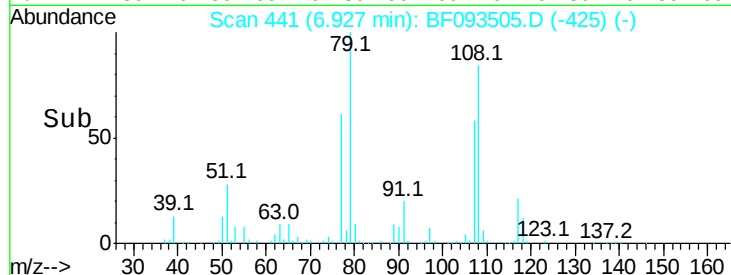
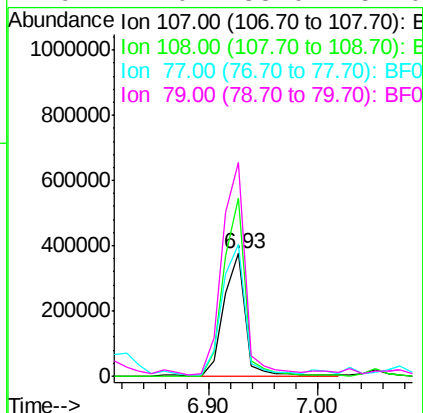
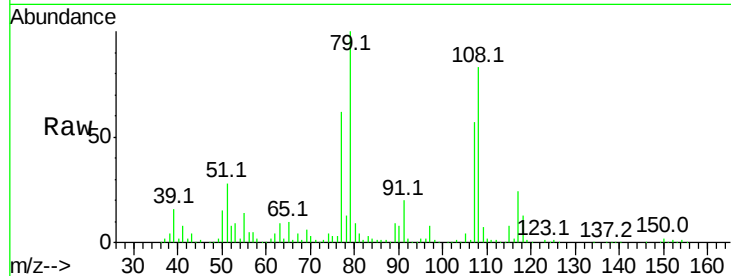




#17
2-Methylphenol
Concen: 47.21 ng
RT: 6.93 min Scan# 441
Delta R.T. -0.11 min
Lab File: BF093505.D
Acq: 10 Mar 2017 4:59

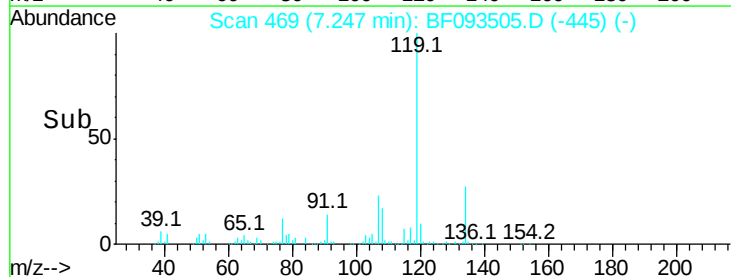
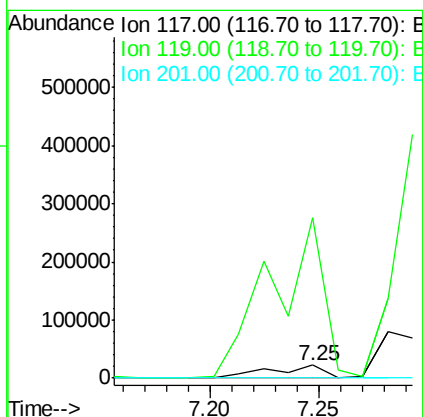
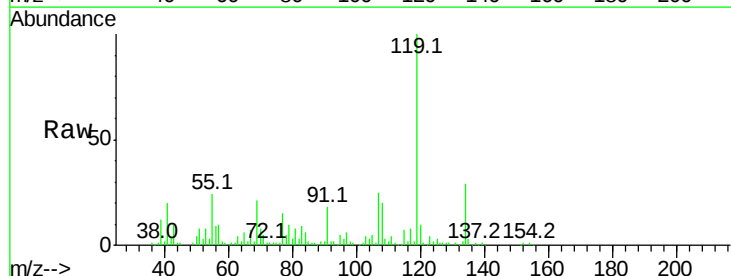
Instrument :
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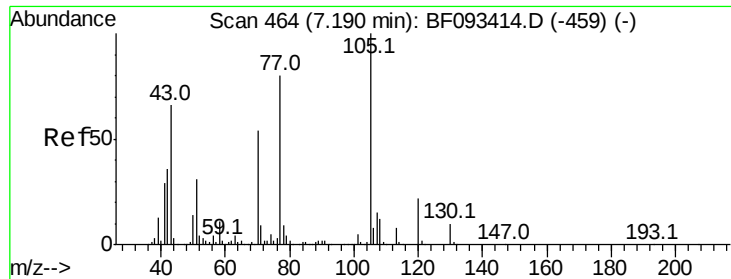
Tot Ion	Ratio	Lower	Upper
107	100		
108	144.5	93.0	139.6#
77	107.3	39.8	59.8#
79	174.0	38.0	57.0#



#18
Hexachloroethane
Concen: 7.57 ng
RT: 7.25 min Scan# 469
Delta R.T. -0.02 min
Lab File: BF093505.D
Acq: 10 Mar 2017 4:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	1237.0	78.1	117.1#
201	0.0	78.6	117.8#

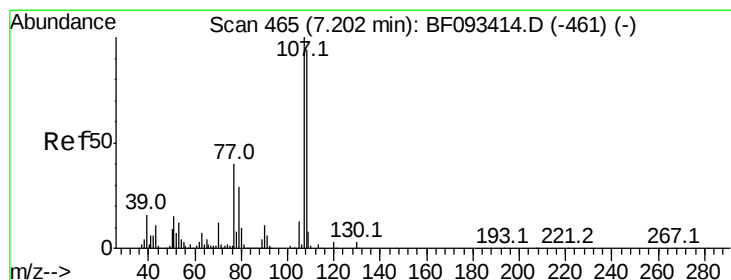
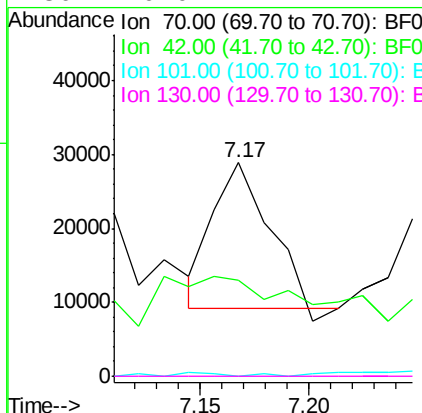
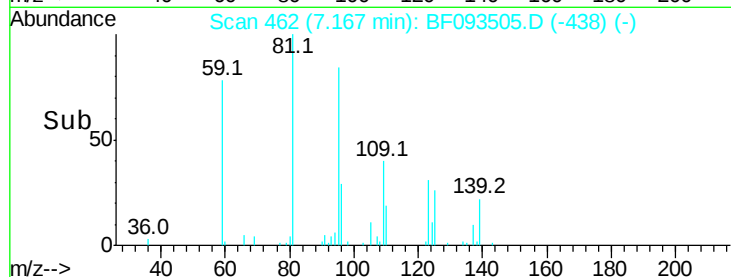
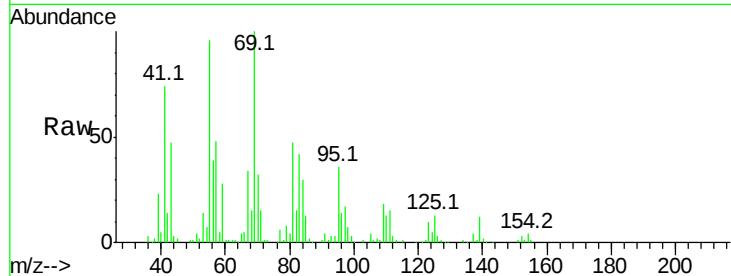




#19
n-Nitroso-di-n-propylamine
Concen: 3.51 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.02 min
Lab File: BF093505.D
Acq: 10 Mar 2017 4:59

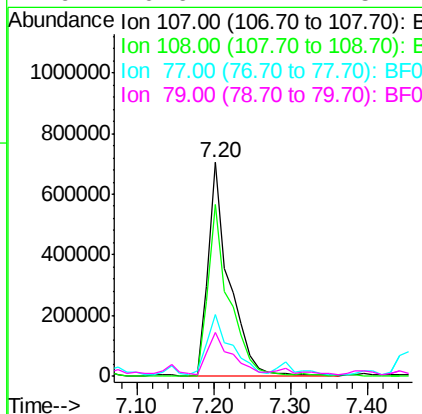
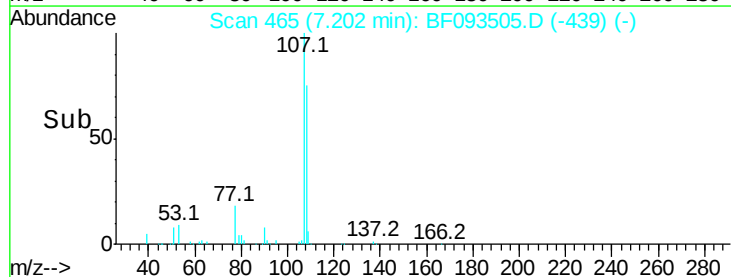
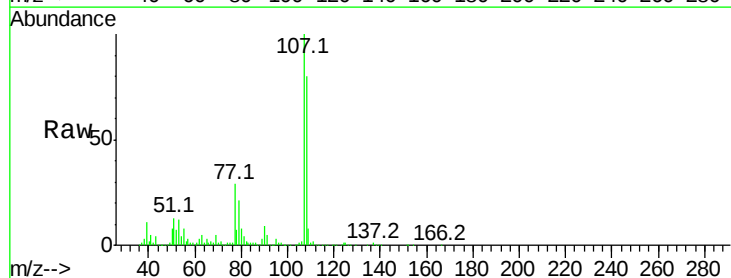
Instrument :
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ClientSampleId :
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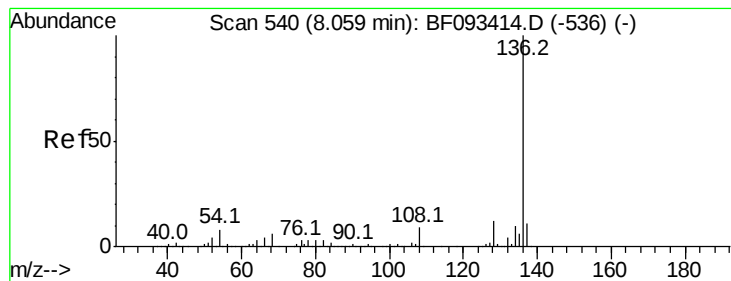
Tot Ion: 70 Resp: 34902
Ion Ratio Lower Upper
70 100
42 44.8 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#20
3+4-Methylphenols
Concen: 93.48 ng
RT: 7.20 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF093505.D
Acq: 10 Mar 2017 4:59

Tgt Ion:107 Resp: 1318497
Ion Ratio Lower Upper
107 100
108 80.3 73.0 113.0
77 28.6 71.3 111.3#
79 20.6 11.1 51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 538

Delta R.T. -0.02 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:136 Resp: 690283

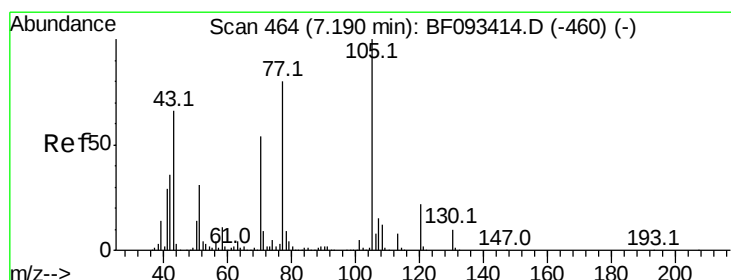
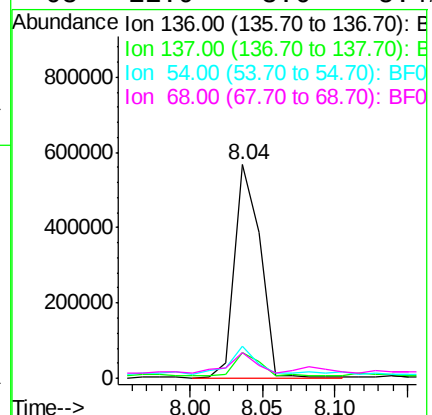
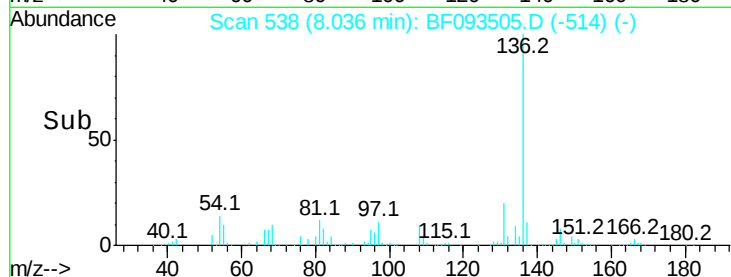
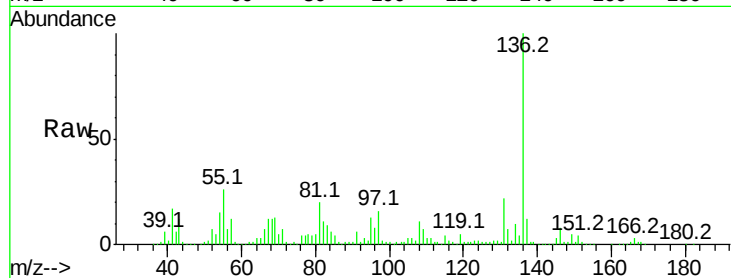
Ion Ratio Lower Upper

136 100

137 12.0 8.4 12.6

54 15.2 4.5 6.7#

68 11.9 3.6 5.4#



#22

Acetophenone

Concen: 14.85 ng

RT: 7.14 min Scan# 460

Delta R.T. -0.05 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

Tgt Ion:105 Resp: 246696

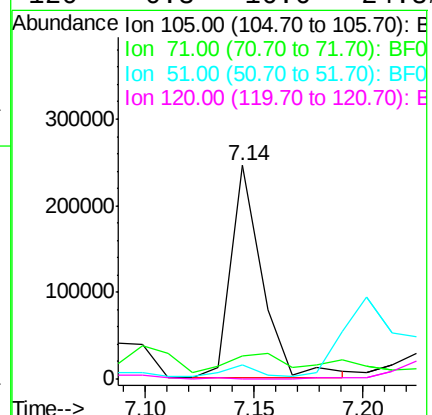
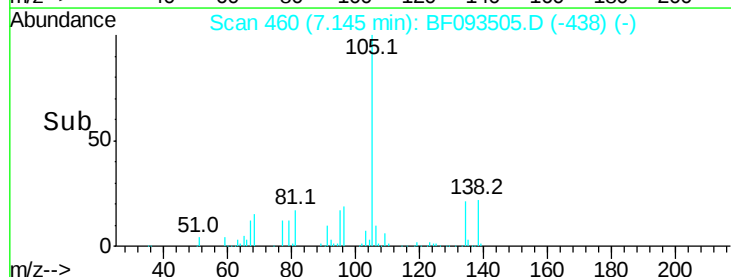
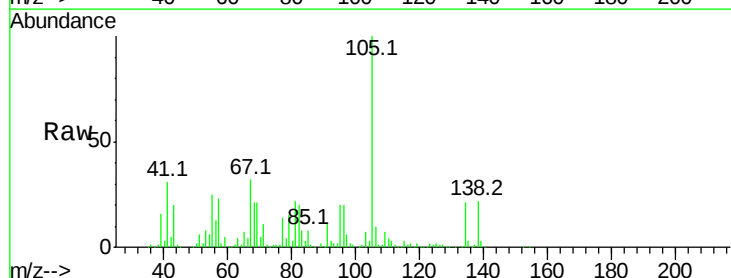
Ion Ratio Lower Upper

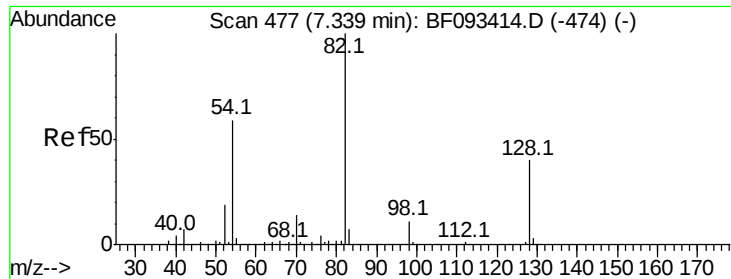
105 100

71 11.1 3.2 4.8#

51 6.4 26.2 39.4#

120 0.3 16.6 24.8#

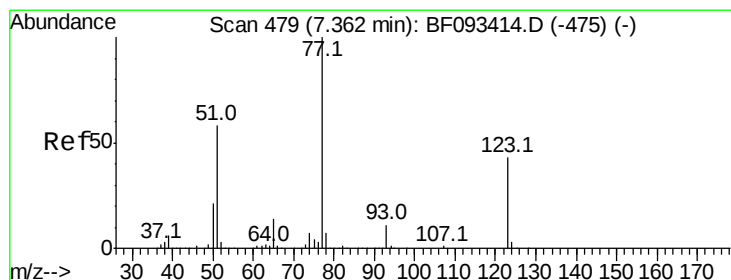
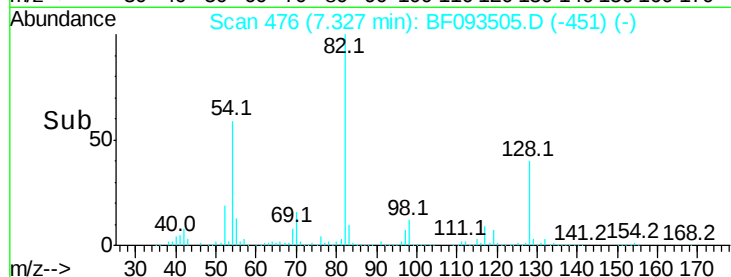
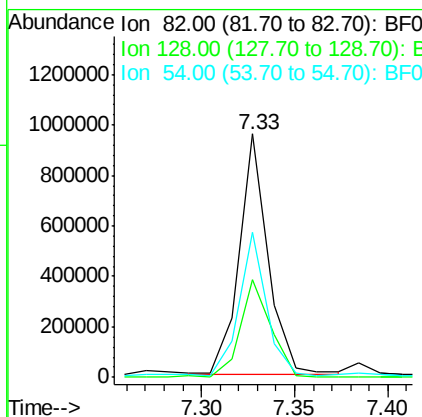
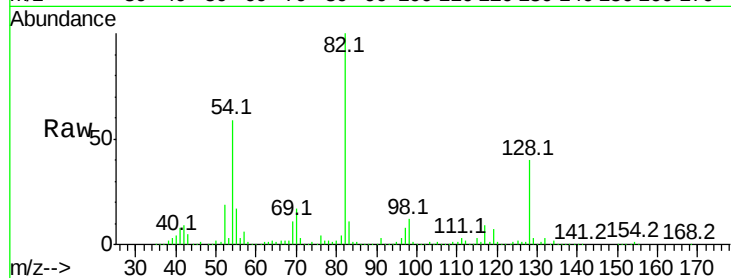




#23
Nitrobenzene-d5
Concen: 83.06 ng
RT: 7.33 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF093505.D
Acq: 10 Mar 2017 4:59

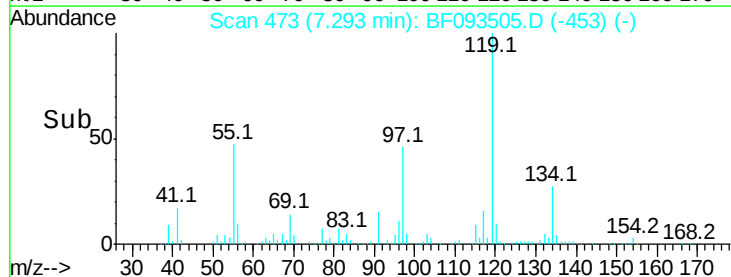
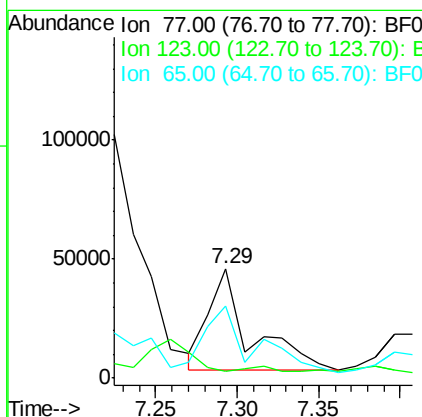
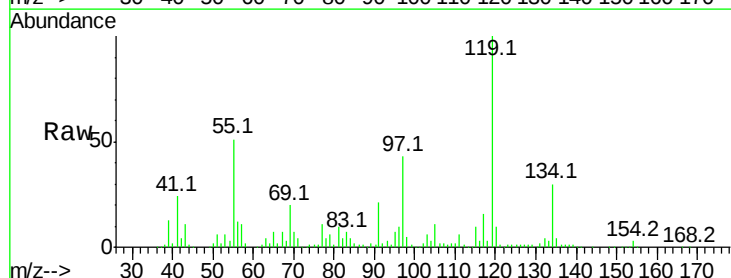
Instrument :
BNA_F
ClientSampleId :
W-15

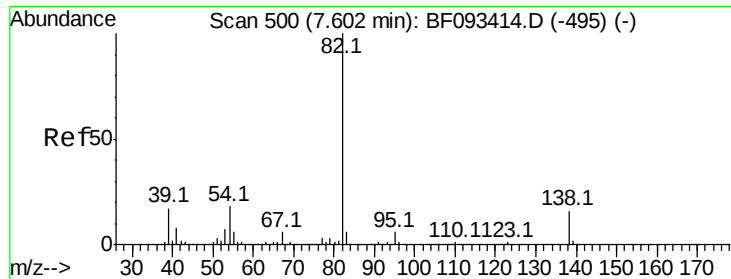
Tot Ion: 82 Resp: 1033358
Ion Ratio Lower Upper
82 100
128 40.2 34.6 52.0
54 59.4 39.5 59.3#



#24
Nitrobenzene
Concen: 5.40 ng
RT: 7.29 min Scan# 473
Delta R.T. -0.07 min
Lab File: BF093505.D
Acq: 10 Mar 2017 4:59

Tgt Ion: 77 Resp: 75542
Ion Ratio Lower Upper
77 100
123 6.3 33.0 49.4#
65 65.3 11.2 16.8#





#25

Isophorone

Concen: 2.68 ng

RT: 7.56 min Scan# 496

Delta R.T. -0.05 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

Instrument :

BNA_F

ClientSampled :

W-15

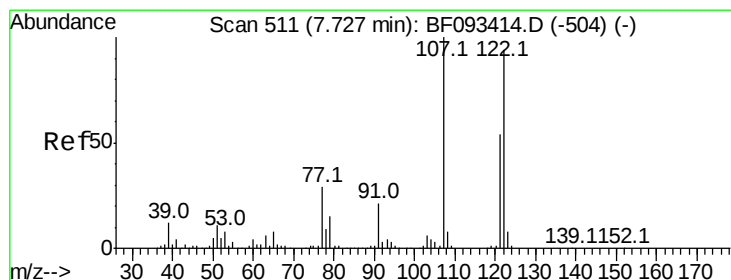
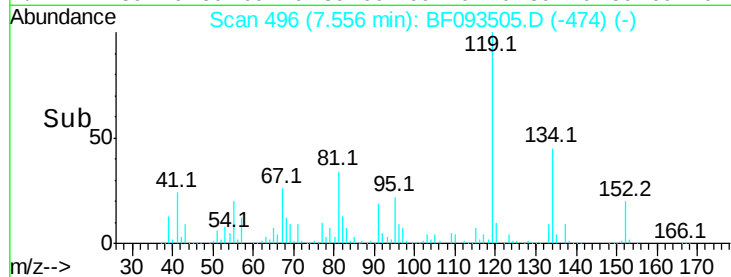
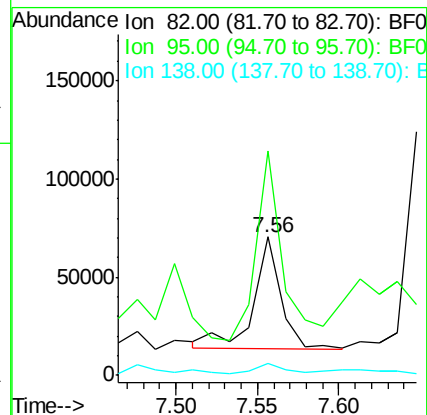
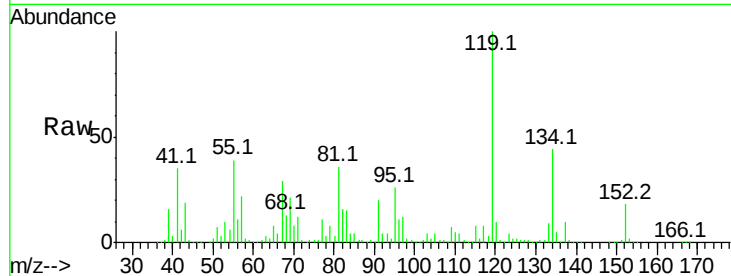
Tot Ion: 82 Resp: 67152

Ion Ratio Lower Upper

82 100

95 161.8 5.6 8.4#

138 8.5 14.6 22.0#



#27

2,4-Dimethylphenol

Concen: 10.59 ng

RT: 7.76 min Scan# 514

Delta R.T. 0.03 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

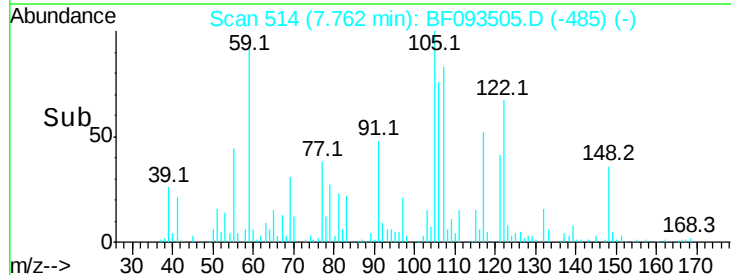
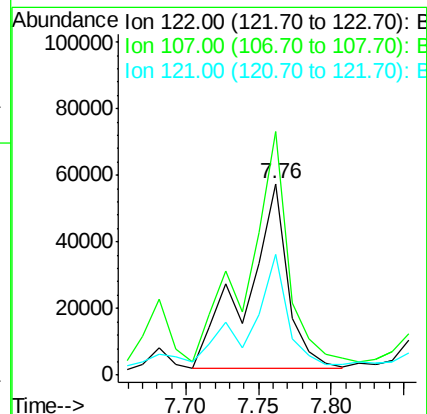
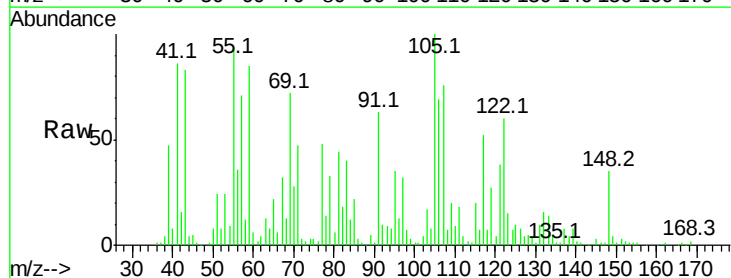
Tgt Ion: 122 Resp: 109930

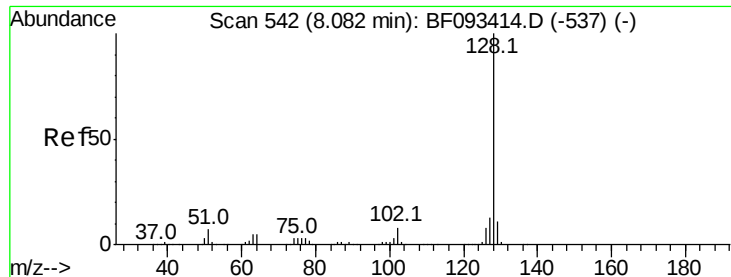
Ion Ratio Lower Upper

122 100

107 127.4 94.1 141.1

121 63.0 46.0 69.0

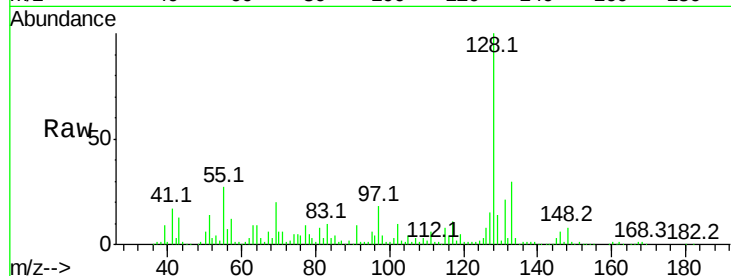




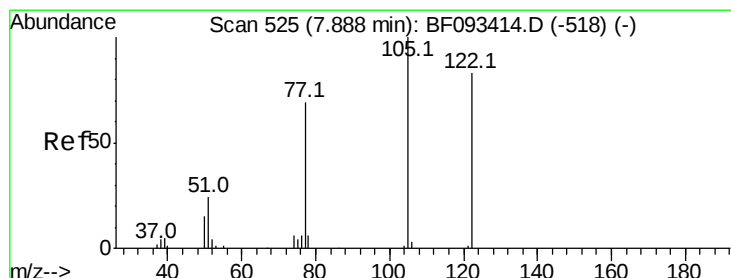
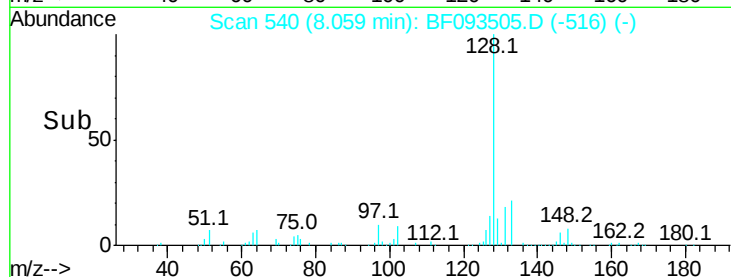
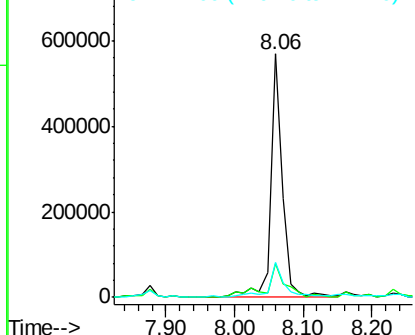
#31
Naphthalene
Concen: 19.53 ng
RT: 8.06 min Scan# 540
Delta R.T. -0.02 min
Lab File: BF093505.D
Acq: 10 Mar 2017 4:59

Instrument :
BNA_F
ClientSampleId :
W-15

Tot Ion:128 Resp: 675674
Ion Ratio Lower Upper
128 100
129 13.9 9.5 14.3
127 14.5 10.8 16.2

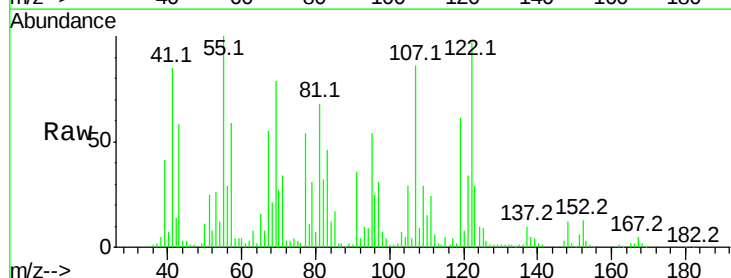


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

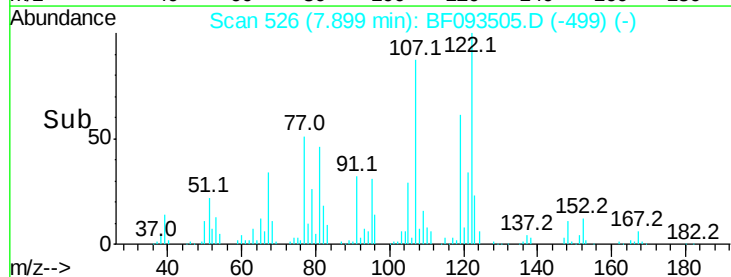
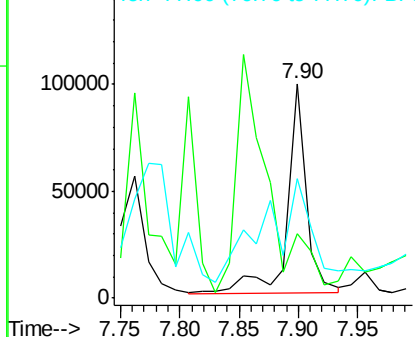


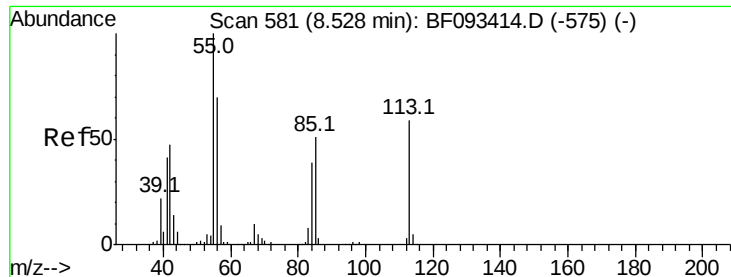
#32
Benzoic acid
Concen: 20.61 ng
RT: 7.90 min Scan# 526
Delta R.T. 0.01 min
Lab File: BF093505.D
Acq: 10 Mar 2017 4:59

Tgt Ion:122 Resp: 111142
Ion Ratio Lower Upper
122 100
105 29.7 107.2 147.2#
77 55.5 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





#35

Caprolactam

Concen: 34.50 ng

RT: 8.47 min Scan# 576

Delta R.T. -0.06 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

Instrument :

BNA_F

ClientSampleId :

W-15

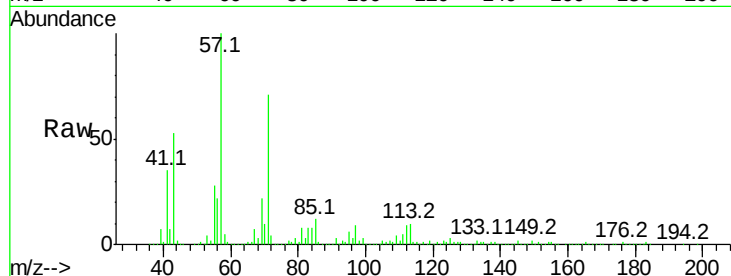
Tot Ion:113 Resp: 115042

Ion Ratio Lower Upper

113 100

55 287.3 119.2 159.2#

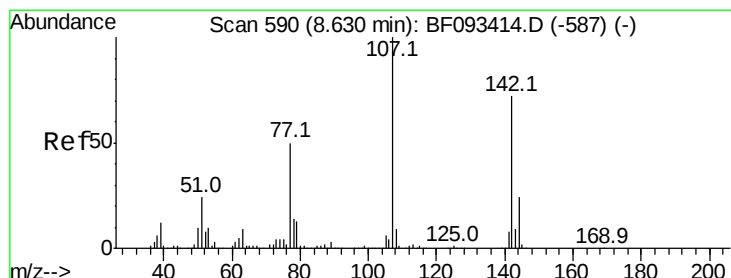
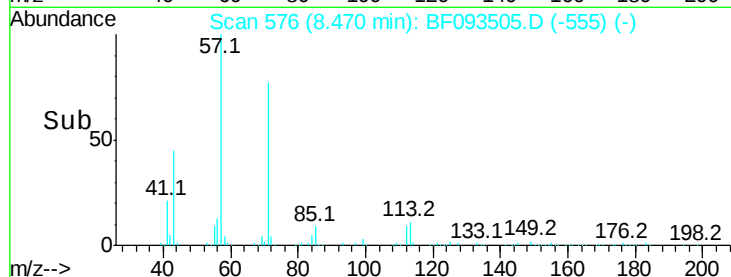
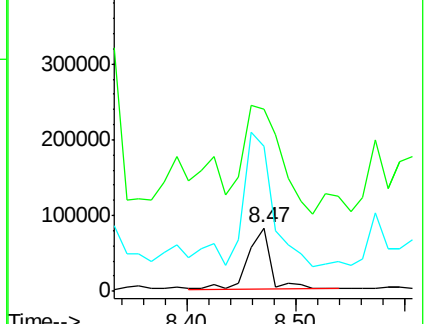
56 229.4 83.8 123.8#



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: 4.93 ng

RT: 8.63 min Scan# 590

Delta R.T. 0.00 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

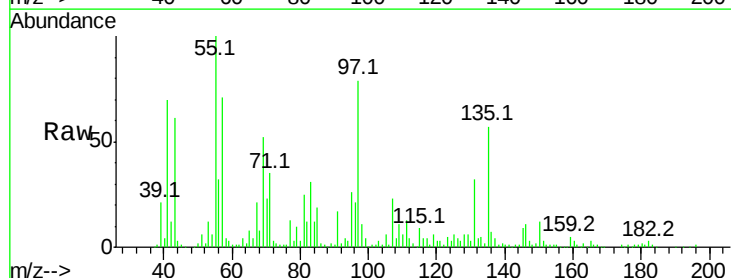
Tgt Ion:107 Resp: 51352

Ion Ratio Lower Upper

107 100

144 3.2 19.3 28.9#

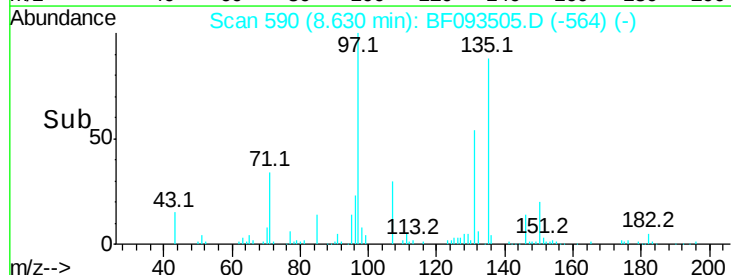
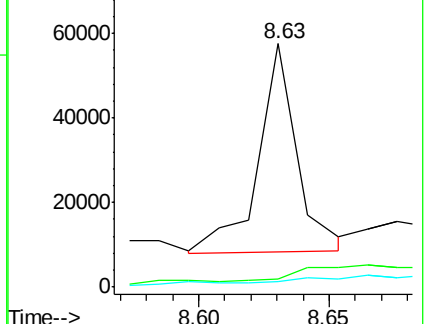
142 2.0 59.0 88.6#

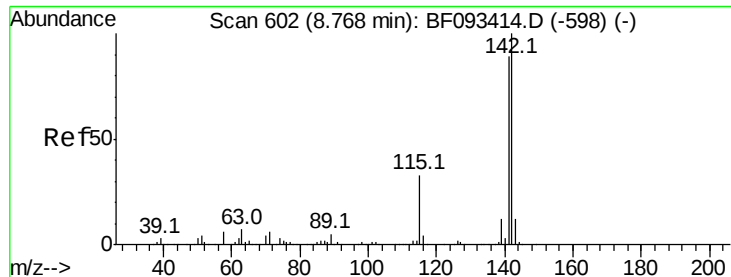


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

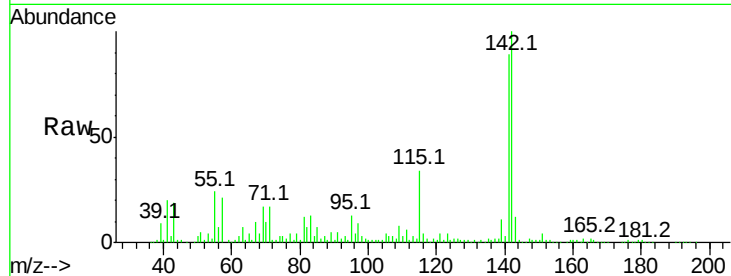




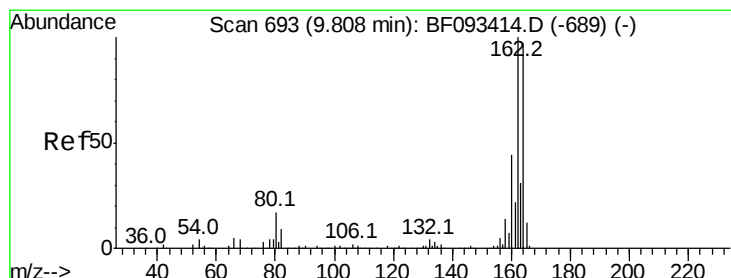
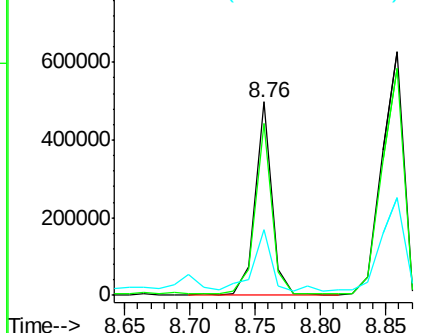
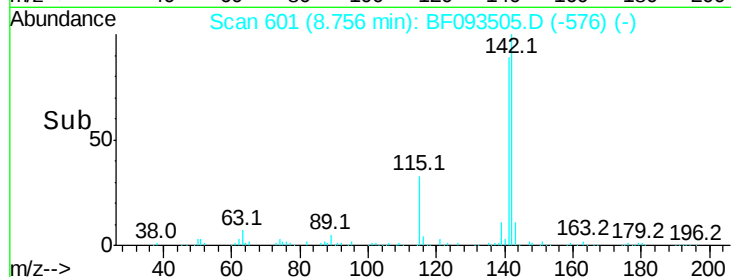
#37
2-Methylnaphthalene
Concen: 20.12 ng
RT: 8.76 min Scan# 601
Delta R.T. -0.01 min
Lab File: BF093505.D
Acq: 10 Mar 2017 4:59

Instrument :
BNA_F
ClientSampleId :
W-15

Tot Ion:142 Resp: 442875
Ion Ratio Lower Upper
142 100
141 89.4 71.0 106.6
115 33.8 28.3 42.5

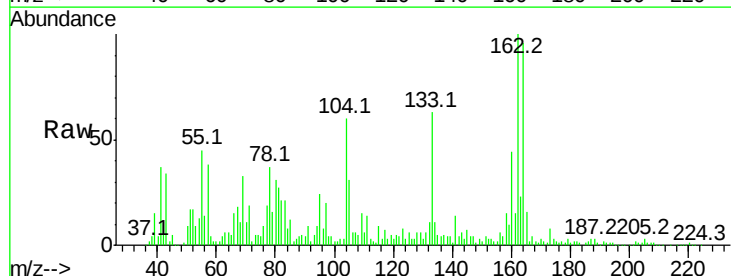


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

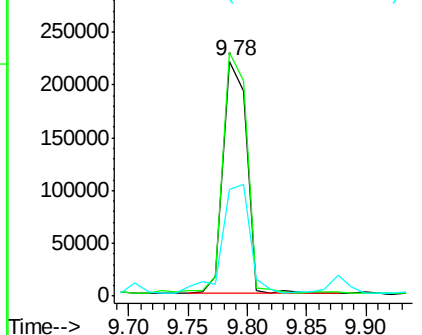
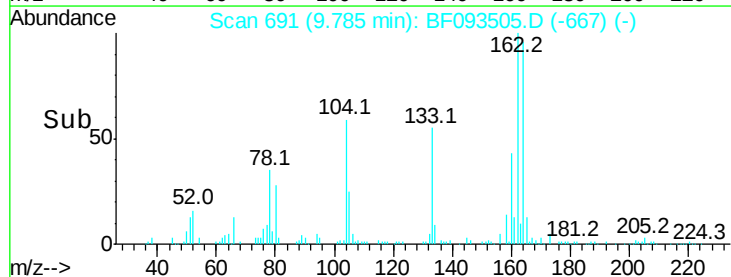


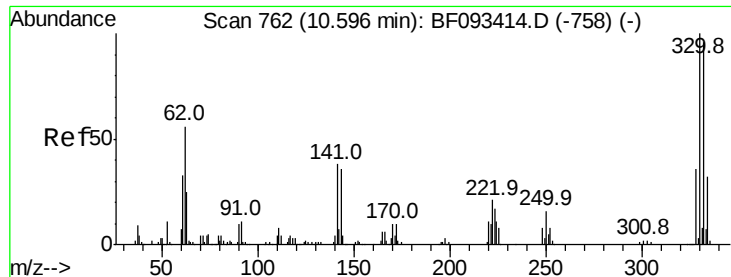
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 691
Delta R.T. -0.02 min
Lab File: BF093505.D
Acq: 10 Mar 2017 4:59

Tgt Ion:164 Resp: 301167
Ion Ratio Lower Upper
164 100
162 103.7 80.2 120.2
160 45.2 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

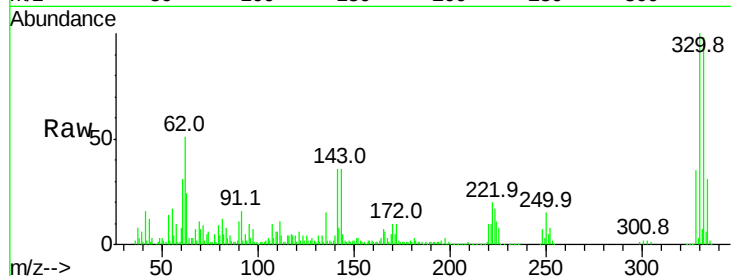




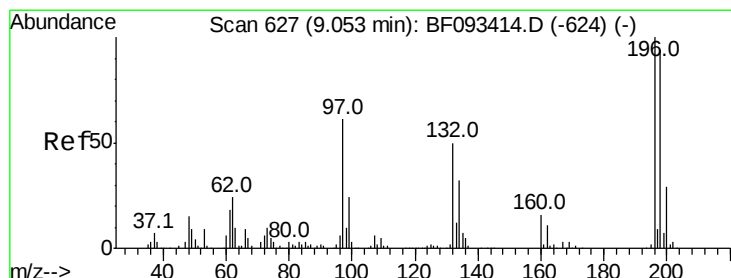
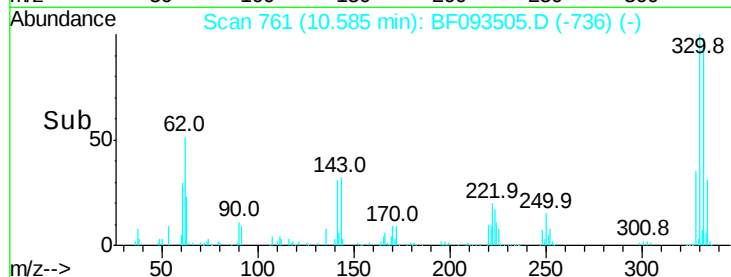
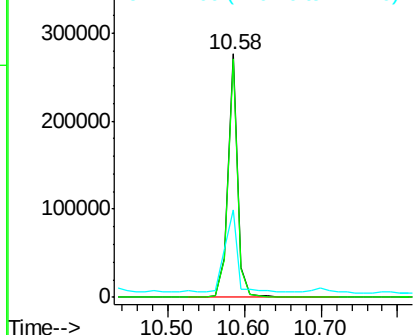
#41
 2,4,6-Tribromophenol
 Concen: 128.51 ng
 RT: 10.58 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF093505.D
 Acq: 10 Mar 2017 4:59

Instrument :
 BNA_F
 ClientSampleId :
 W-15

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.4	116.2
141	42.0	34.1	51.1

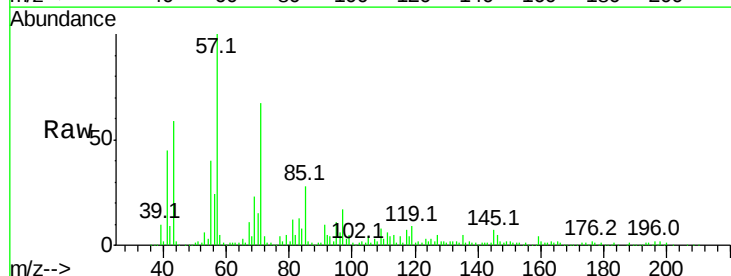


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

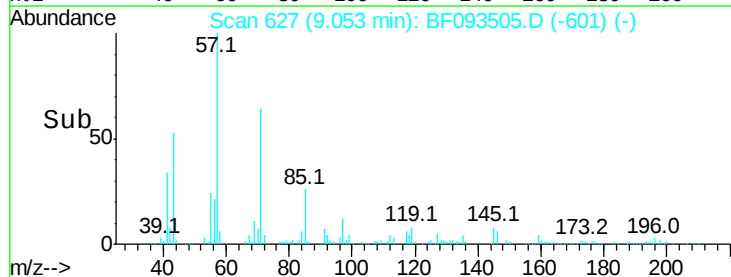
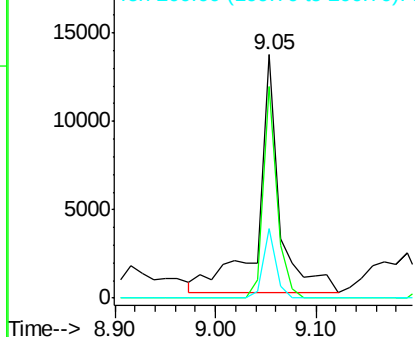


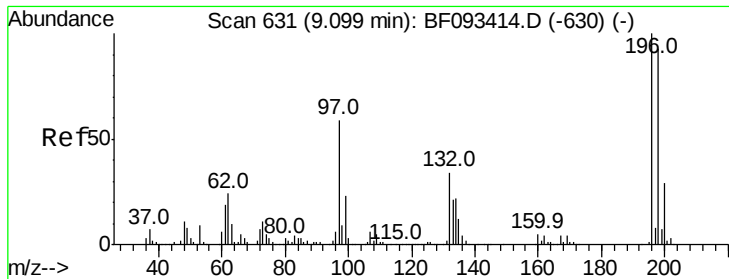
#42
 2,4,6-Trichlorophenol
 Concen: 3.91 ng
 RT: 9.05 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: BF093505.D
 Acq: 10 Mar 2017 4:59

Tgt Ion	Ratio	Lower	Upper
196	100		
198	87.1	82.1	123.1
200	28.7	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

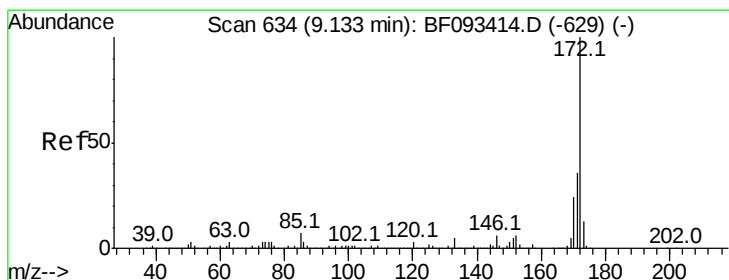
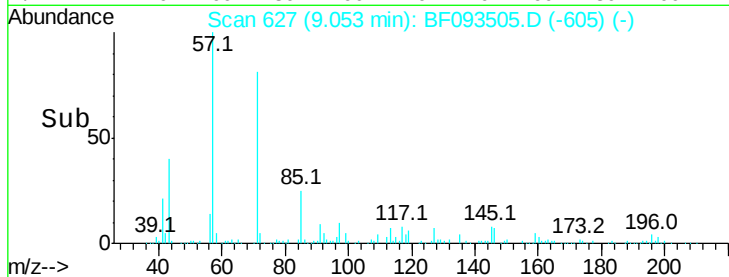
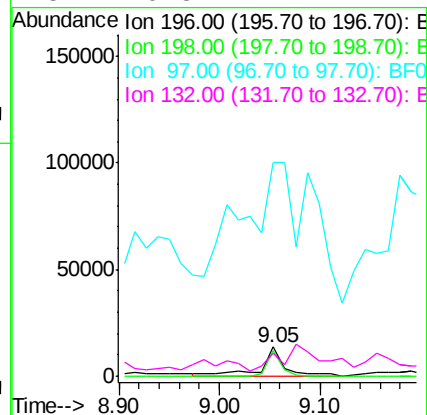
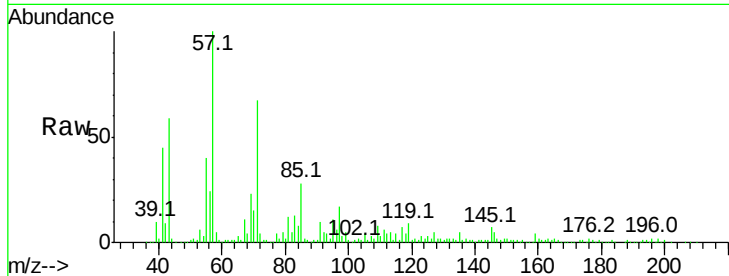




#43
 2,4,5-Trichlorophenol
 Concen: 3.65 ng
 RT: 9.05 min Scan# 627
 Delta R.T. -0.05 min
 Lab File: BF093505.D
 Acq: 10 Mar 2017 4:59

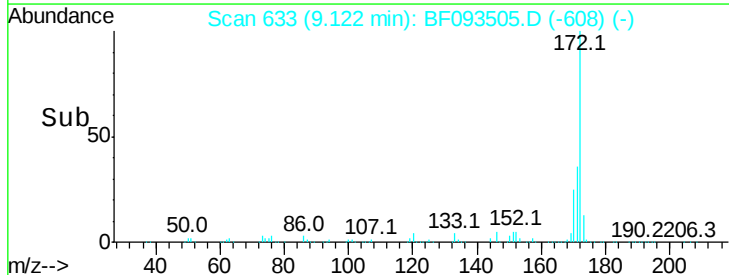
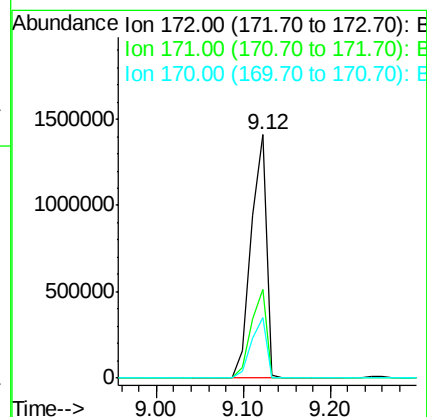
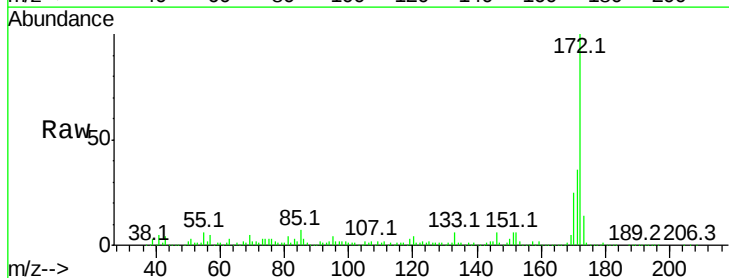
Instrument :
 BNA_F
 ClientSampleId :
 W-15

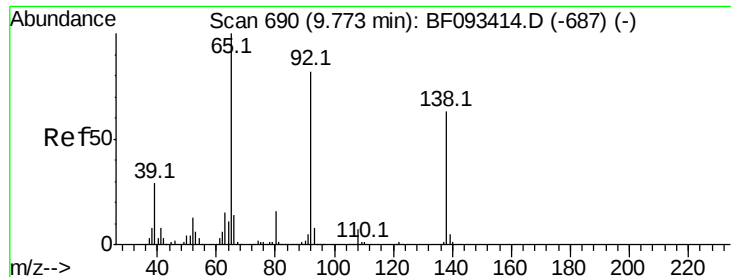
Tot Ion:196 Resp: 20115
 Ion Ratio Lower Upper
 196 100
 198 87.1 79.4 119.2
 97 727.1 51.5 77.3#
 132 79.3 27.4 41.2#



#44
 2-Fluorobiphenyl
 Concen: 108.37 ng
 RT: 9.12 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF093505.D
 Acq: 10 Mar 2017 4:59

Tgt Ion:172 Resp: 1754586
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.7 20.2 30.4





#52

3-Nitroaniline

Concen: 8.70 ng

RT: 9.73 min Scan# 686

Delta R.T. -0.05 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

Instrument :

BNA_F

ClientSampleId :

W-15

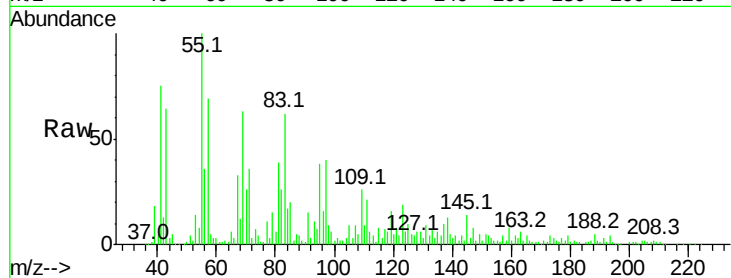
Tot Ion:138 Resp: 45766

Ion Ratio Lower Upper

138 100

108 37.7 8.5 12.7#

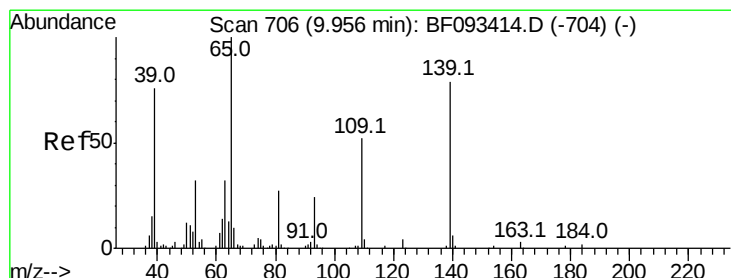
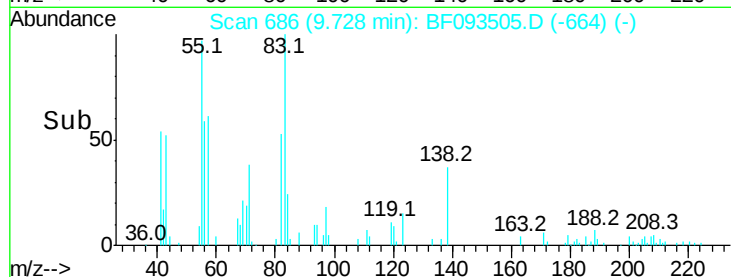
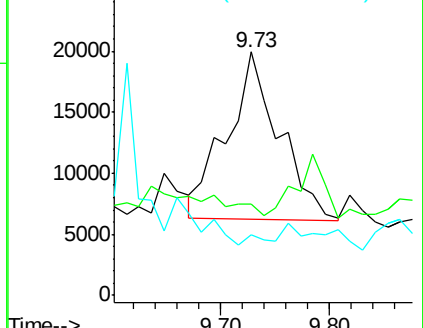
92 25.0 97.8 146.8#



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



#55

4-Nitrophenol

Concen: 4.83 ng

RT: 9.90 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

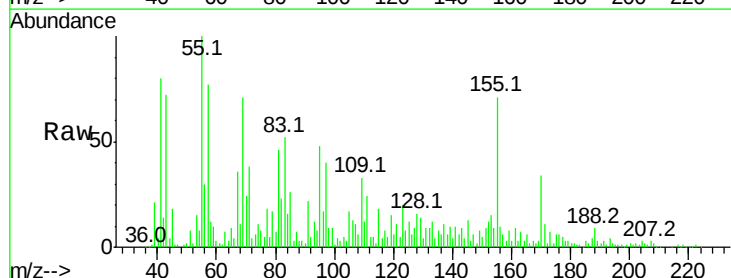
Tgt Ion:139 Resp: 12352

Ion Ratio Lower Upper

139 100

109 326.1 52.2 92.2#

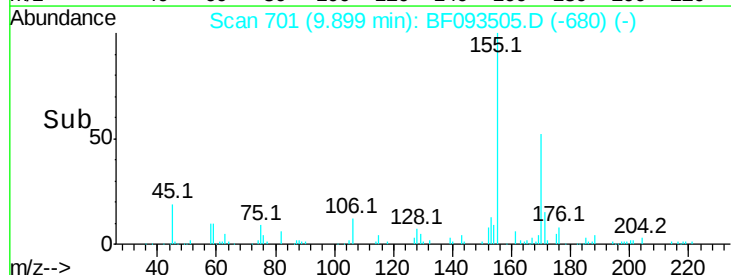
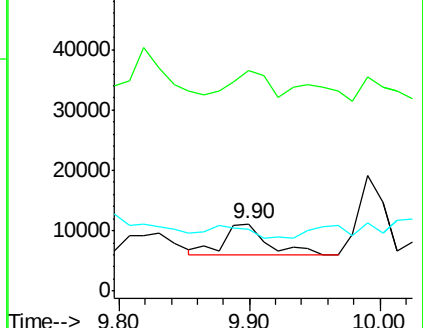
65 92.1 85.8 125.8

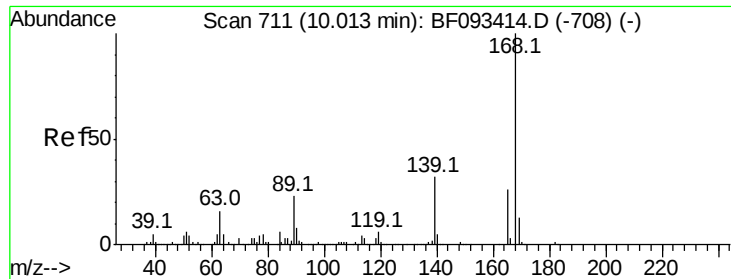


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

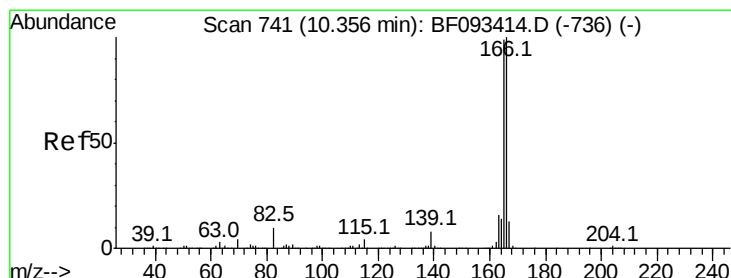
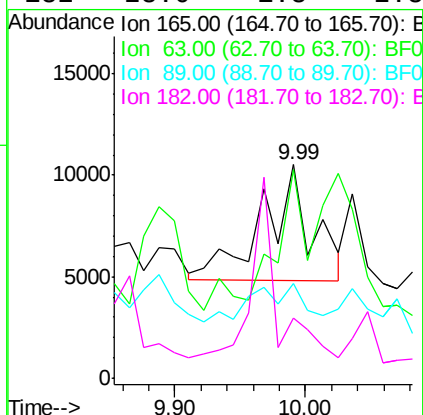
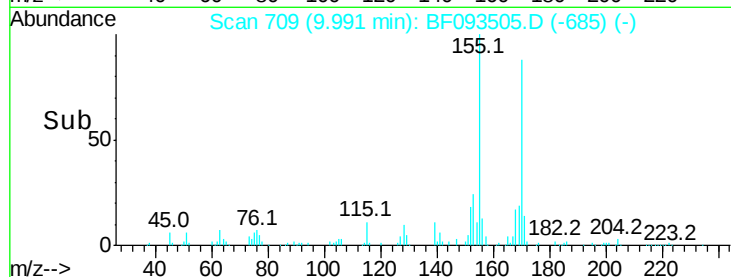
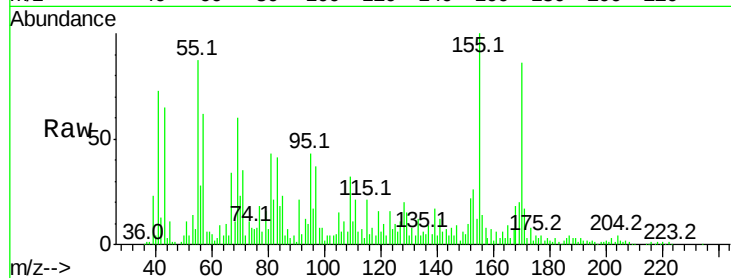




#56
 2,4-Dinitrotoluene
 Concen: 2.77 ng
 RT: 9.99 min Scan# 709
 Delta R.T. -0.02 min
 Lab File: BF093505.D
 Acq: 10 Mar 2017 4:59

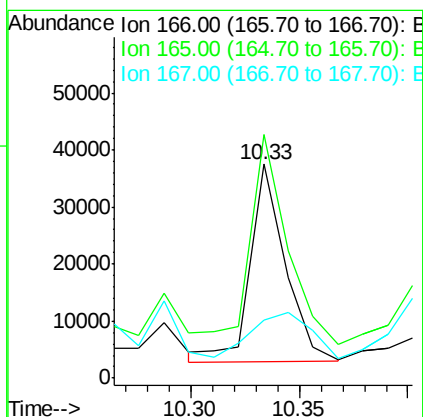
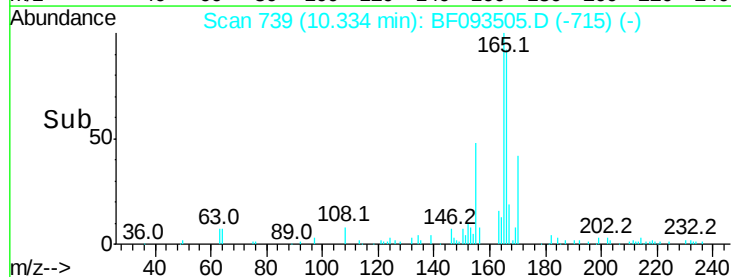
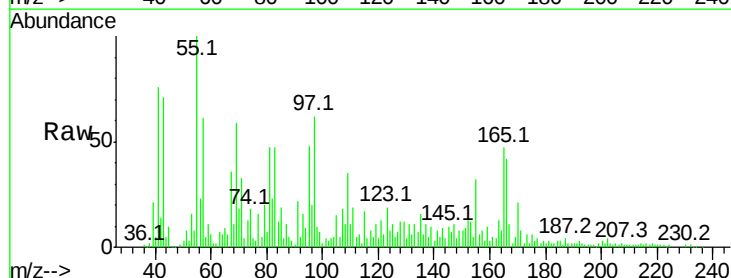
Instrument :
 BNA_F
 ClientSampleId :
 W-15

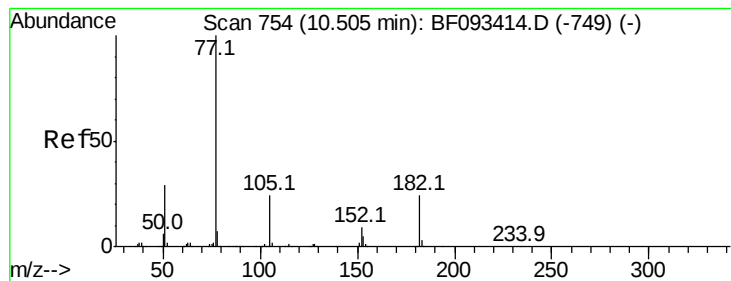
Tot Ion:165 Resp: 14891
 Ion Ratio Lower Upper
 165 100
 63 97.9 40.2 60.4#
 89 44.5 62.5 93.7#
 182 28.0 1.8 2.8#



#57
 Fluorene
 Concen: 2.22 ng
 RT: 10.33 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF093505.D
 Acq: 10 Mar 2017 4:59

Tgt Ion:166 Resp: 38564
 Ion Ratio Lower Upper
 166 100
 165 113.7 77.8 116.8
 167 26.9 10.8 16.2#





#62

Azobenzene

Concen: 3.59 ng

RT: 10.71 min Scan# 772

Delta R.T. 0.21 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

Instrument :

BNA_F

ClientSampleId :

W-15

Tot Ion: 77 Resp: 77759

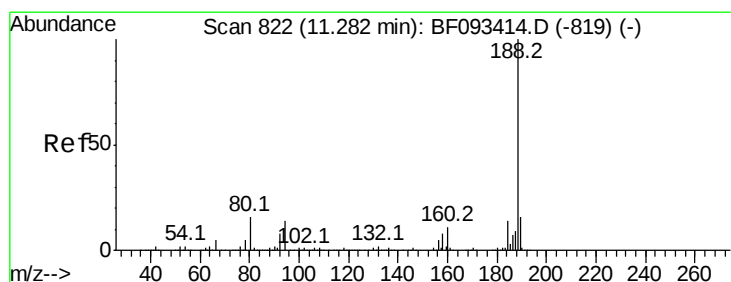
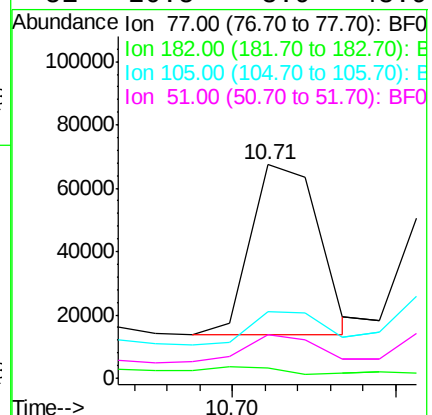
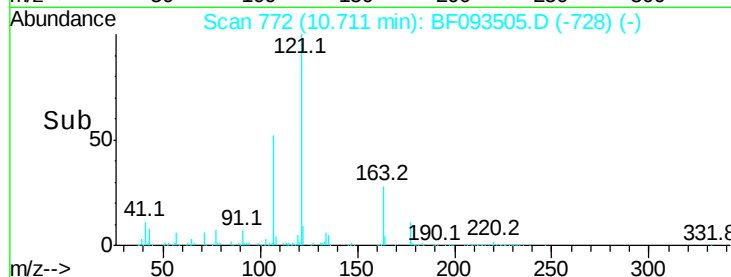
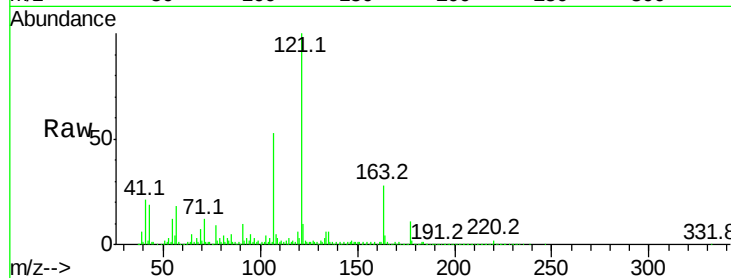
Ion Ratio Lower Upper

77 100

182 4.9 0.0 39.3

105 31.0 2.3 42.3

51 20.5 8.9 48.9



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

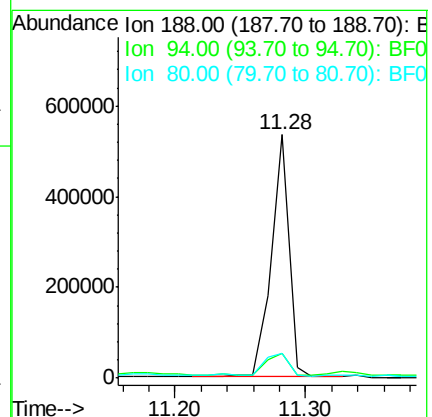
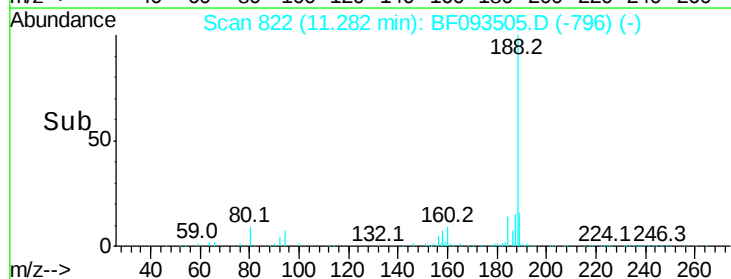
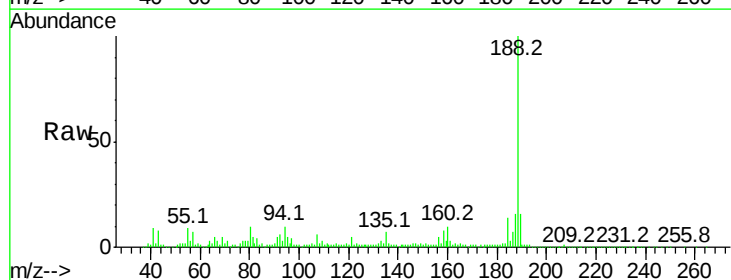
Tgt Ion: 188 Resp: 511531

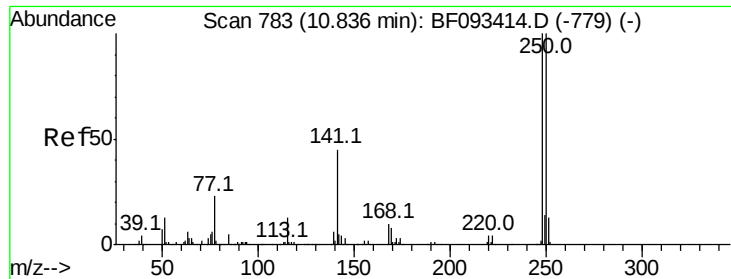
Ion Ratio Lower Upper

188 100

94 10.4 10.0 15.0

80 10.4 11.2 16.8#





#66

4-Bromophenyl-phenylether

Concen: 3.49 ng

RT: 10.58 min Scan# 761

Delta R.T. -0.25 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

Instrument :

BNA_F

ClientSampled :

W-15

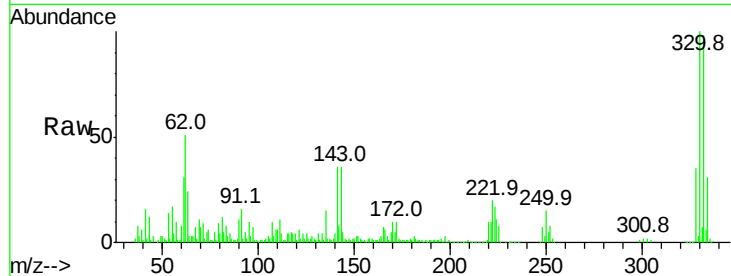
Tot Ion:248 Resp: 18904

Ion Ratio Lower Upper

248 100

250 208.2 76.9 115.3#

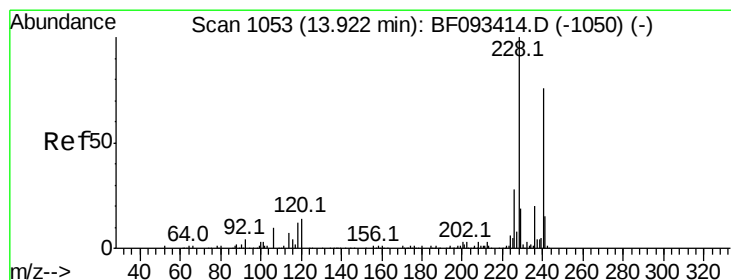
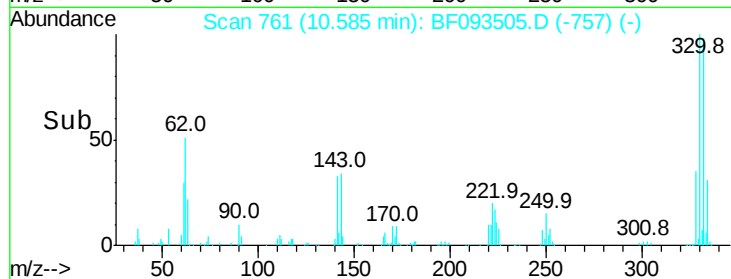
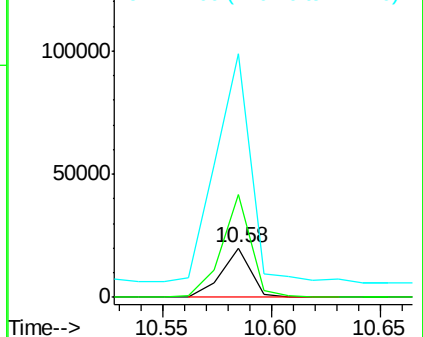
141 494.7 68.2 102.4#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

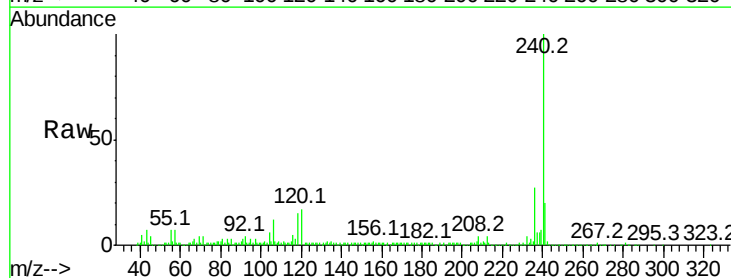
Tgt Ion:240 Resp: 379955

Ion Ratio Lower Upper

240 100

120 16.8 12.9 19.3

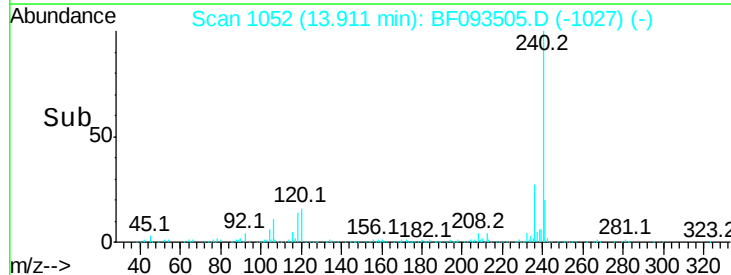
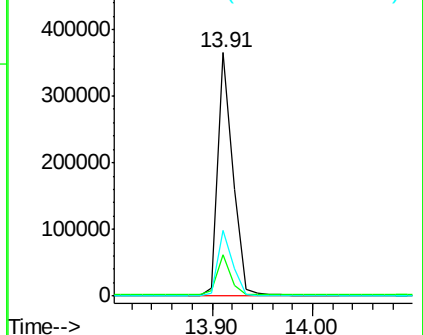
236 26.7 20.9 31.3

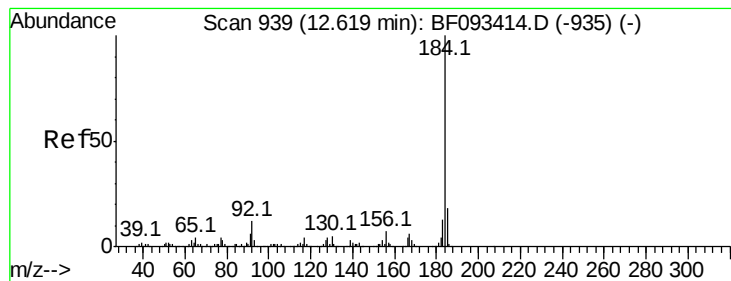


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.50 ng

RT: 12.47 min Scan# 926

Delta R.T. -0.15 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

Instrument :

BNA_F

ClientSampleId :

W-15

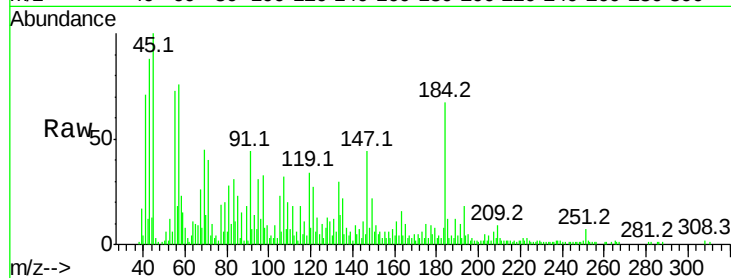
Tot Ion:184 Resp: 43773

Ion Ratio Lower Upper

184 100

185 18.7 13.4 20.0

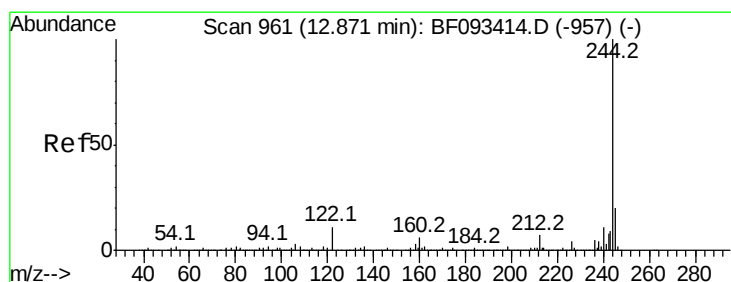
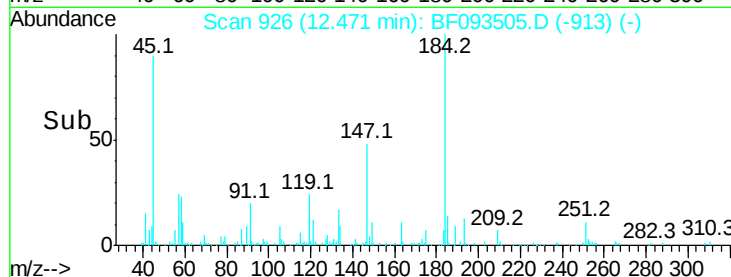
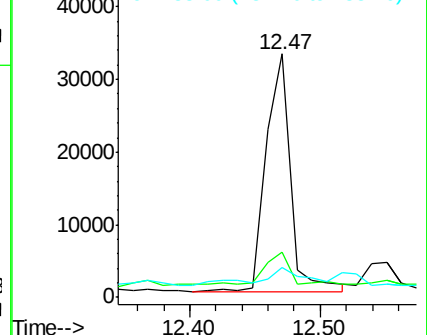
183 12.0 9.2 13.8



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



#78

Terphenyl-d14

Concen: 75.05 ng

RT: 12.86 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

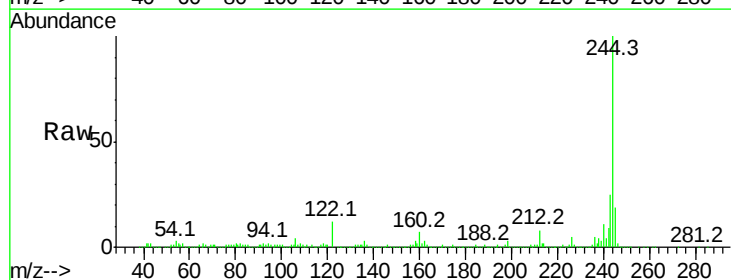
Tgt Ion:244 Resp: 1096716

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

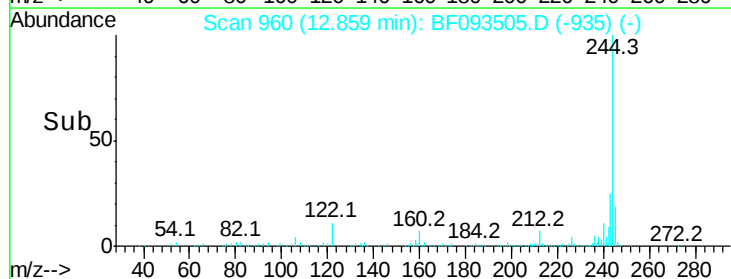
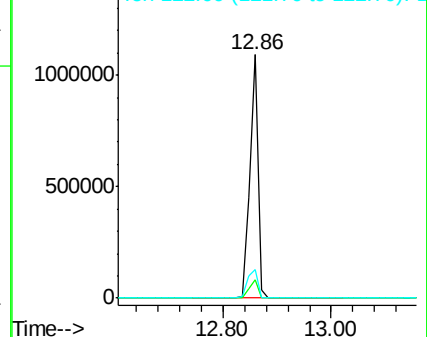
122 11.6 11.4 17.2

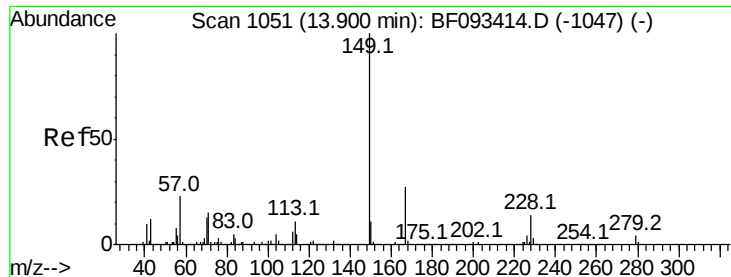


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.35 ng

RT: 13.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

Instrument :

BNA_F

ClientSampleId :

W-15

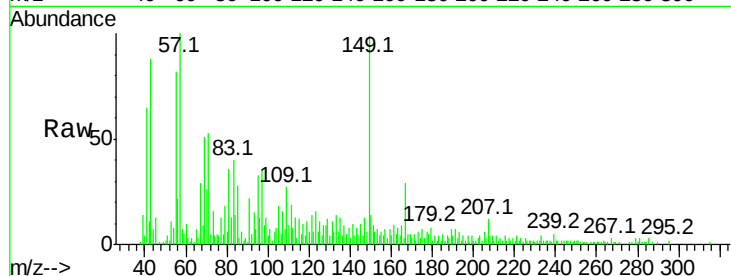
Tot Ion:149 Resp: 38126

Ion Ratio Lower Upper

149 100

167 29.5 20.2 30.4

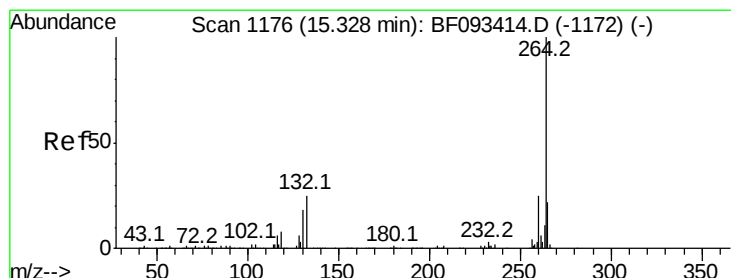
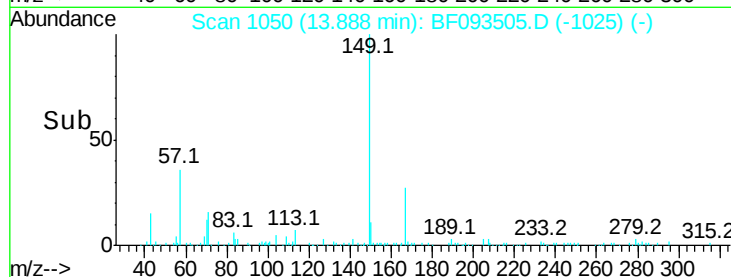
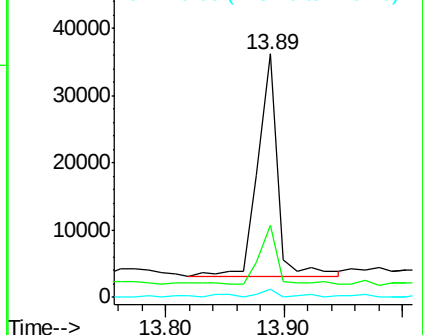
279 3.5 1.8 2.8#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.33 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BF093505.D

Acq: 10 Mar 2017 4:59

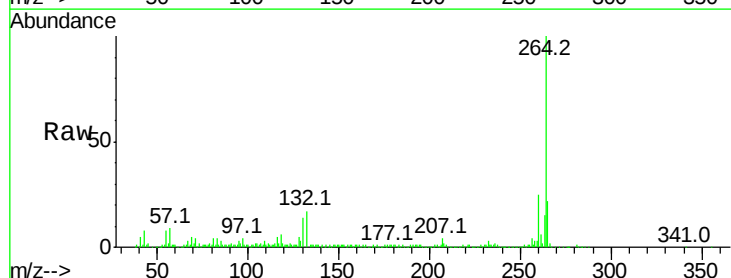
Tgt Ion:264 Resp: 373056

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

265 21.6 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

