

Data File : BF093020.D
Acq On : 17 Feb 2017 19:42
Operator : SJ/MA
Sample : I1878-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-2

Quant Time: Feb 17 22:16:35 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	173953	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	695200	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	371608	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	527867	20.00	ng	0.00
75) Chrysene-d12	14.01	240	320890	20.00	ng	-0.01
86) Perylene-d12	15.45	264	310286	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1272847	125.54	ng	0.01
7) Phenol-d6	6.50	99	1627823	124.78	ng	0.01
23) Nitrobenzene-d5	7.42	82	1088012	87.15	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	287283	106.89	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1697314	82.75	ng	0.00
78) Terphenyl-d14	12.97	244	1169933	85.67	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.40	77	22567	2.41	ng	93
10) Phenol	6.51	94	155607	10.19	ng	83
15) Benzyl Alcohol	7.01	79	21250	2.20	ng	# 38
17) 2-Methylphenol	7.28	107	41906	4.37	ng	# 66
19) n-Nitroso-di-n-propylamine	7.42	70	152308	18.34	ng	# 79
20) 3+4-Methylphenols	7.28	107	41906	3.65	ng	# 64
27) 2,4-Dimethylphenol	7.92	122	110596	10.33	ng	# 4
31) Naphthalene	8.16	128	192581	5.46	ng	98
32) Benzoic acid	7.92	122	110596	22.68	ng	# 25
49) Dimethylphthalate	9.61	163	406033	16.22	ng	98
56) 2,4-Dinitrotoluene	9.89	165	51878	7.21	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.36	198	281	2.75	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	20890	3.79	ng	# 1
70) Phenanthrene	11.40	178	214832	7.10	ng	96
71) Anthracene	11.45	178	87592	2.88	ng	98
72) Carbazole	11.61	167	60341	2.08	ng	98
73) Di-n-butylphthalate	11.94	149	293533	9.35	ng	# 97
74) Fluoranthene	12.59	202	467270	14.98	ng	97
77) Pyrene	12.82	202	636817	26.52	ng	99
80) Benzo(a)anthracene	14.01	228	283420	14.44	ng	96
82) Chrysene	14.04	228	296981	16.16	ng	98
85) Indeno(1,2,3-cd)pyrene	16.84	276	125172	8.79	ng	96
87) Benzo(b)fluoranthene	15.04	252	527345	25.82	ng	99
88) Benzo(k)fluoranthene	15.04	252	527345	29.91	ng	98
89) Benzo(a)pyrene	15.38	252	194574	11.01	ng	# 94
90) Dibenzo(a,h)anthracene	16.85	278	36197	2.54	ng	# 87
91) Benzo(g,h,i)perylene	17.28	276	118406	8.21	ng	# 91

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

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BNA_F

ClientSampleId :

B1-2

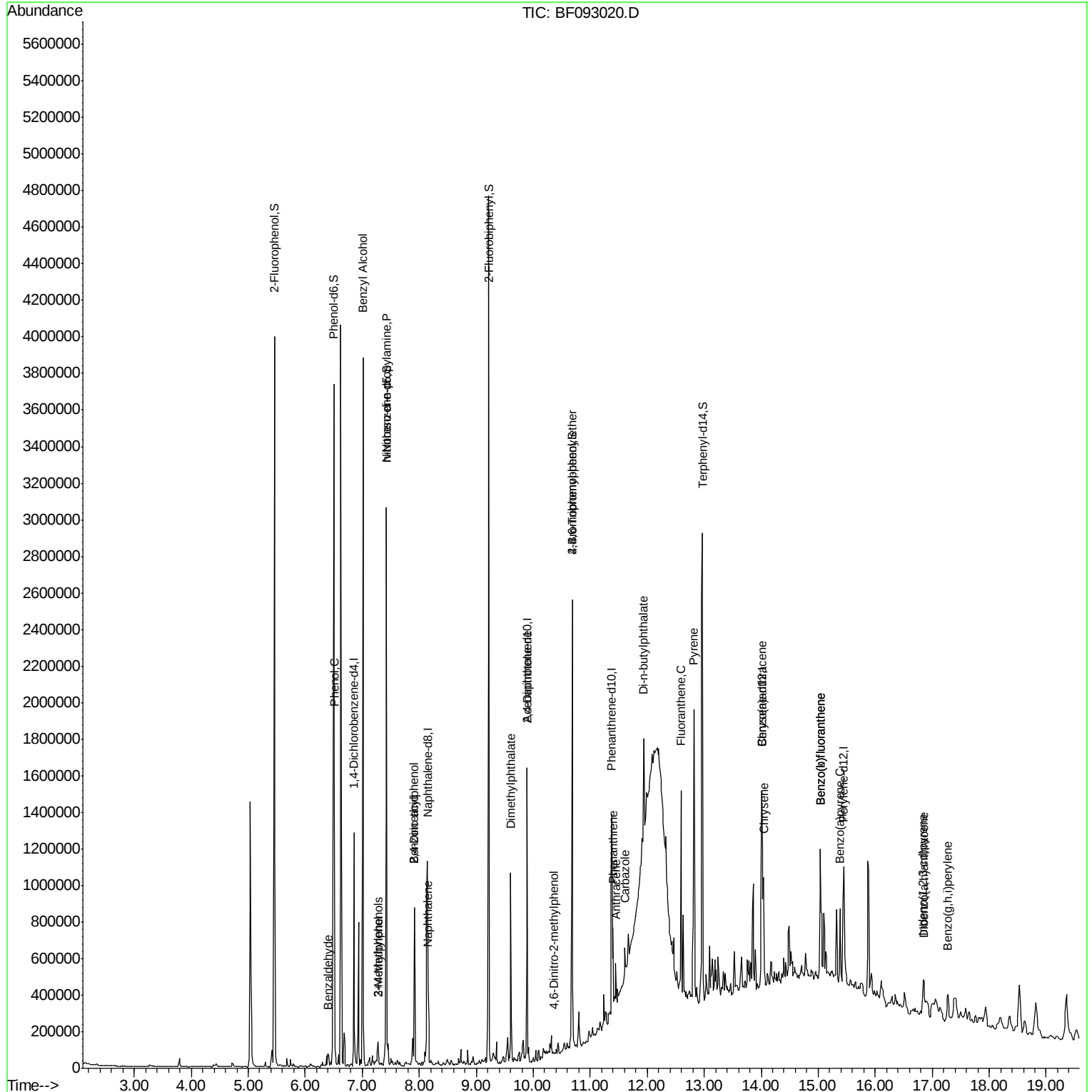
Quant Time: Feb 17 22:16:35 2017

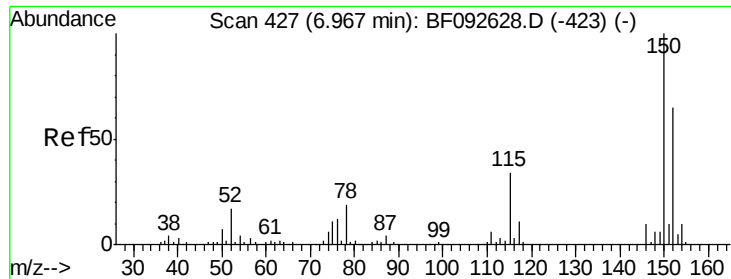
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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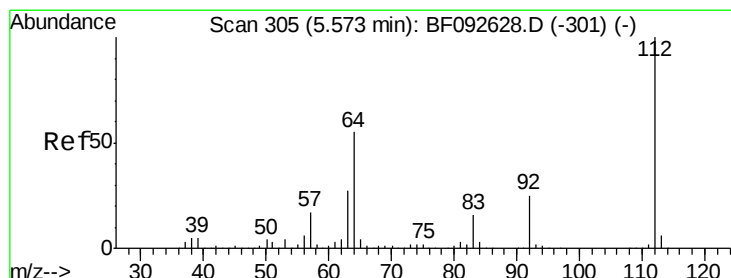
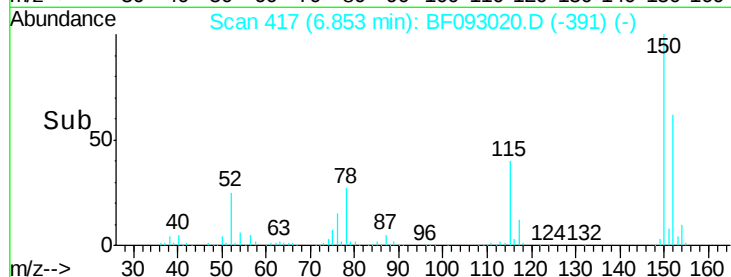
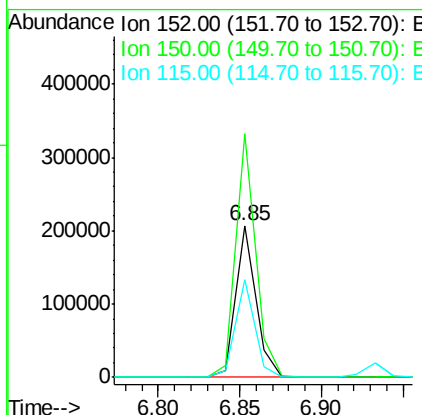
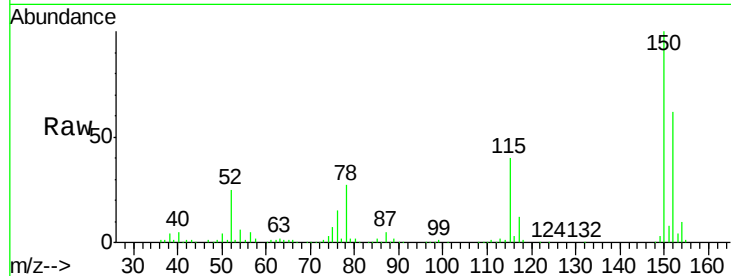




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: BF093020.D
 Acq: 17 Feb 2017 19:42

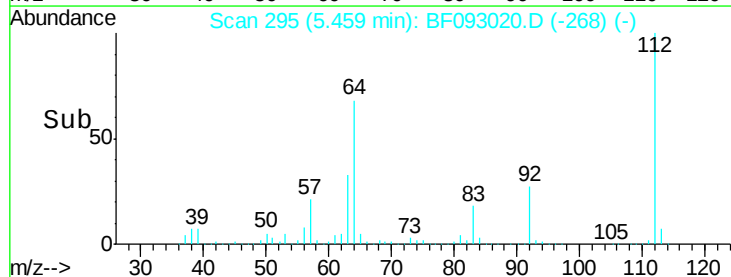
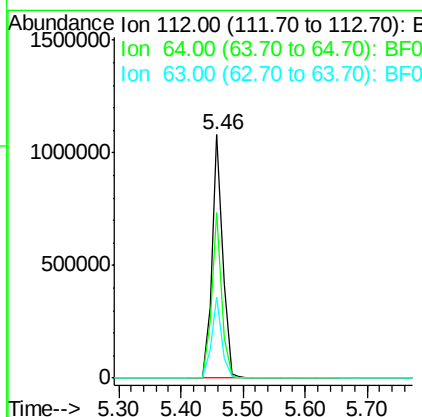
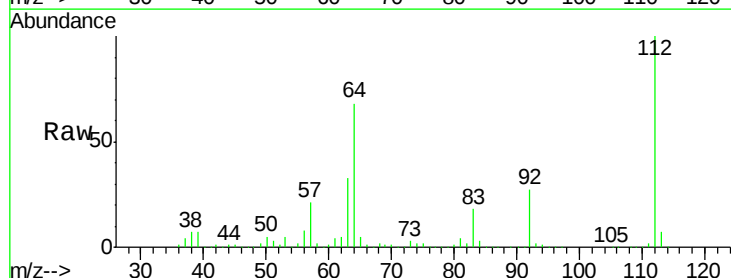
Instrument :
 BNA_F
 ClientSampled :
 B1-2

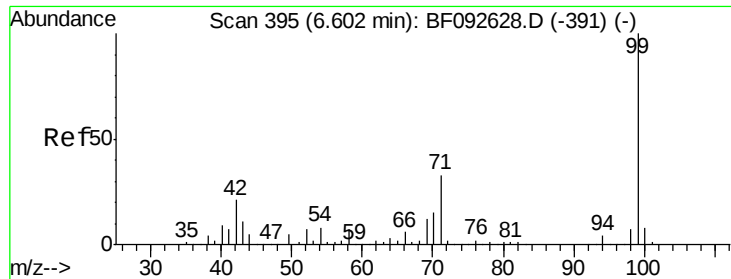
Tgt Ion:152 Resp: 173953
 Ion Ratio Lower Upper
 152 100
 150 160.3 124.9 187.3
 115 63.9 46.0 69.0



#5
 2-Fluorophenol
 Concen: 125.54 ng
 RT: 5.46 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: BF093020.D
 Acq: 17 Feb 2017 19:42

Tgt Ion:112 Resp: 1272847
 Ion Ratio Lower Upper
 112 100
 64 67.9 46.1 69.1
 63 33.5 23.8 35.6





#7

Phenol-d6

Concen: 124.78 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Instrument :

BNA_F

ClientSampleId :

B1-2

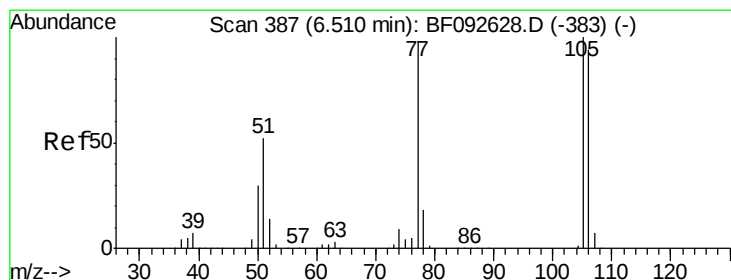
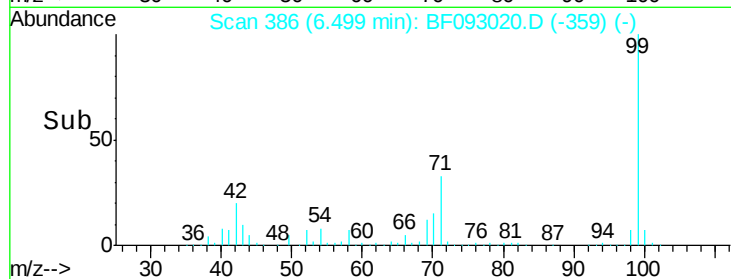
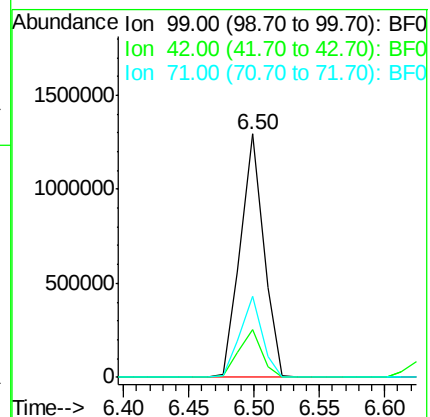
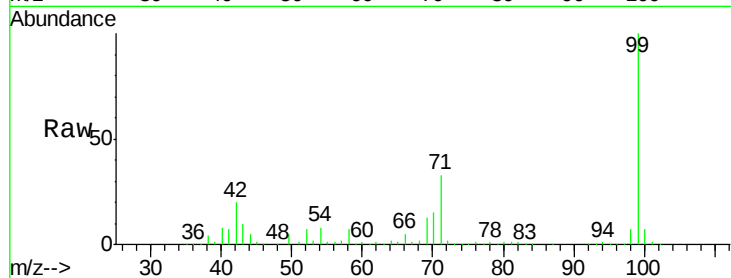
Tgt Ion: 99 Resp: 1627823

Ion Ratio Lower Upper

99 100

42 19.9 15.6 23.4

71 33.4 27.5 41.3



#9

Benzaldehyde

Concen: 2.41 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.00 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

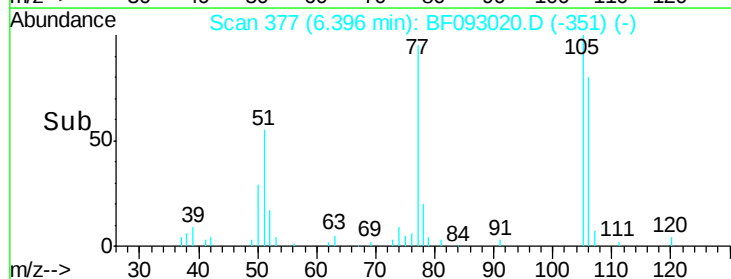
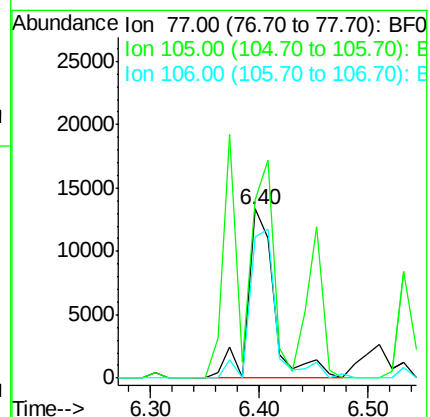
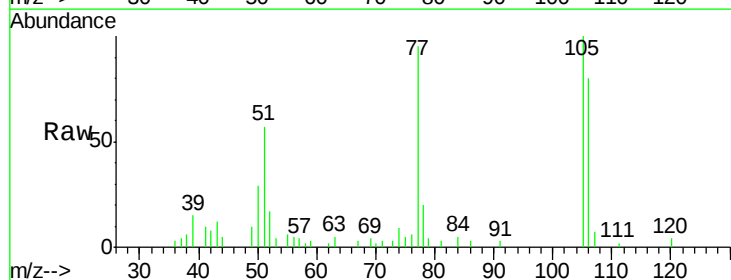
Tgt Ion: 77 Resp: 22567

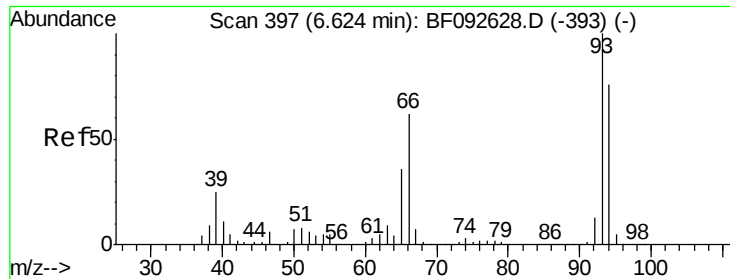
Ion Ratio Lower Upper

77 100

105 105.3 83.9 123.9

106 83.8 77.6 117.6





#10

Phenol

Concen: 10.19 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Instrument :

BNA_F

ClientSampleId :

B1-2

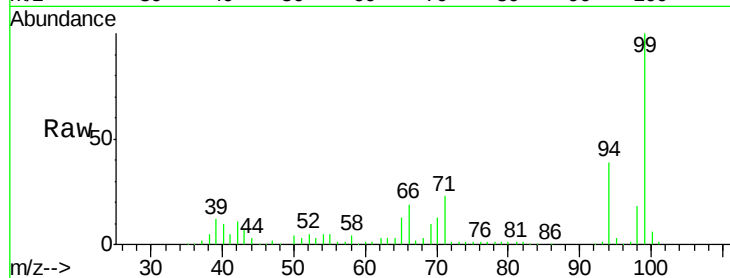
Tgt Ion: 94 Resp: 155607

Ion Ratio Lower Upper

94 100

65 33.4 21.4 61.4

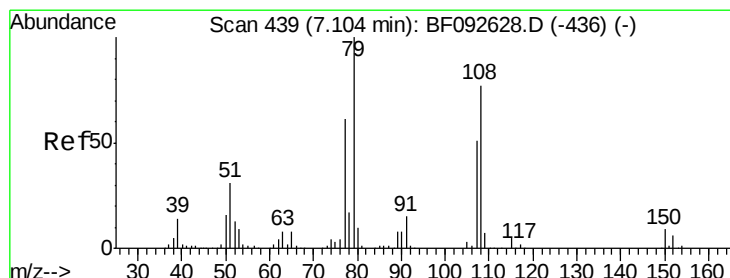
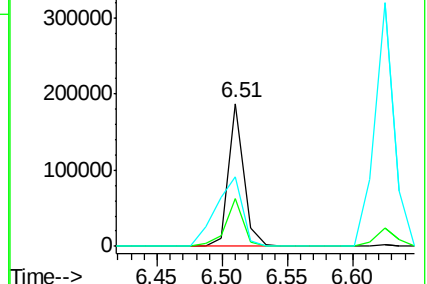
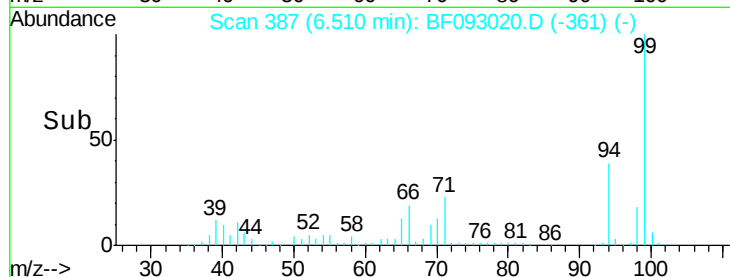
66 49.1 44.0 84.0



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



#15

Benzyl Alcohol

Concen: 2.20 ng

RT: 7.01 min Scan# 431

Delta R.T. 0.01 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

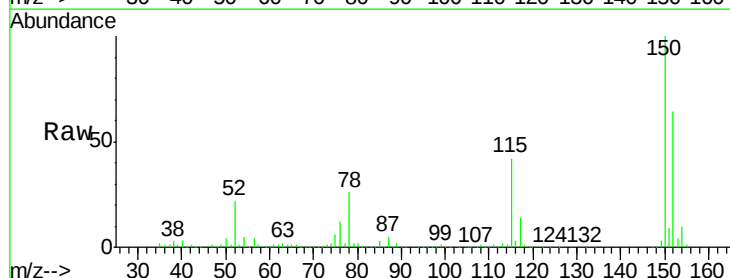
Tgt Ion: 79 Resp: 21250

Ion Ratio Lower Upper

79 100

108 29.5 61.4 92.0#

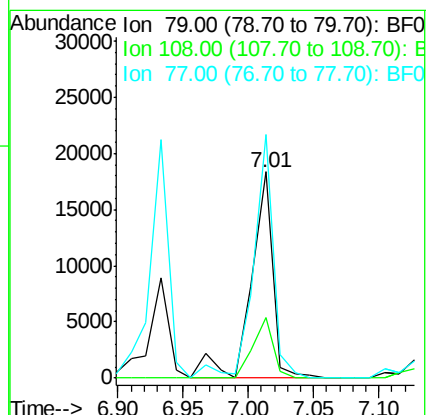
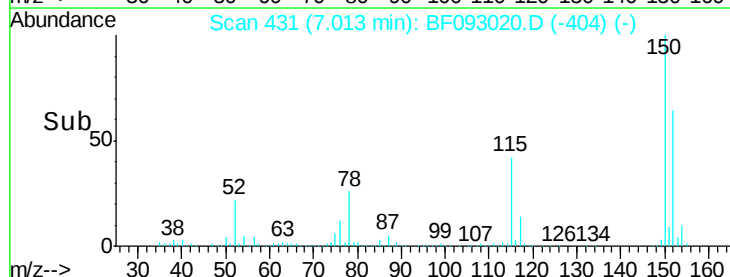
77 117.9 50.9 76.3#

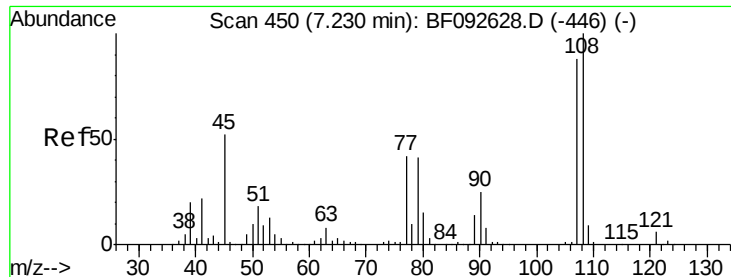


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#17

2-Methylphenol

Concen: 4.37 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.16 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Instrument :

BNA_F

ClientSampled :

B1-2

Tgt Ion:107 Resp: 41906

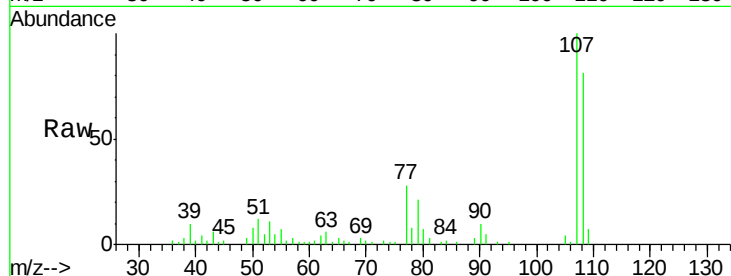
Ion Ratio Lower Upper

107 100

108 80.8 93.0 139.6#

77 28.4 39.8 59.8#

79 20.7 38.0 57.0#



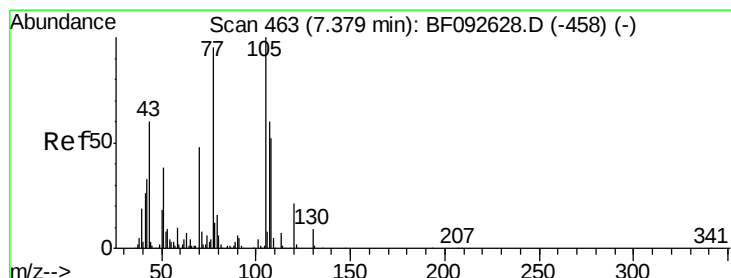
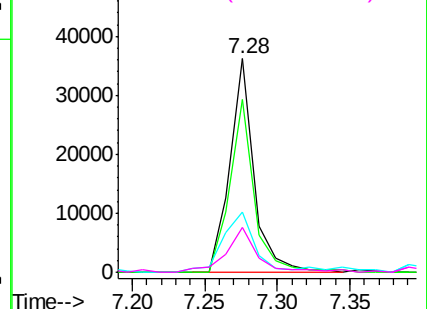
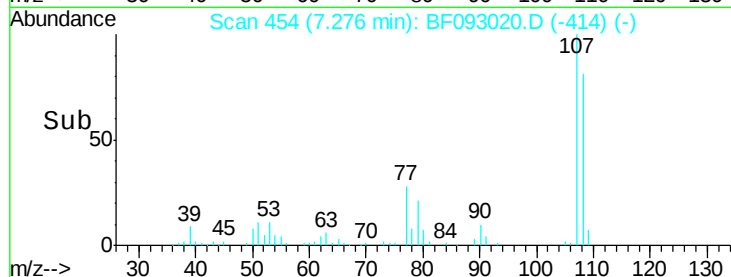
Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 18.34 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.15 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Tgt Ion: 70 Resp: 152308

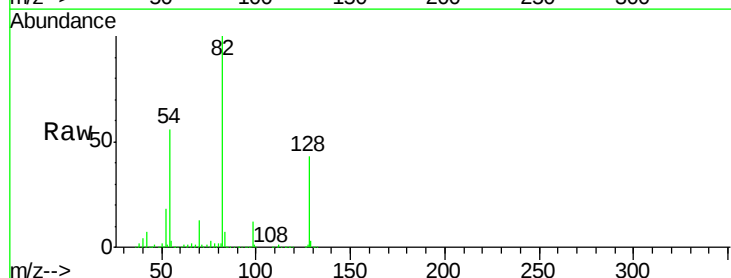
Ion Ratio Lower Upper

70 100

42 49.9 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#



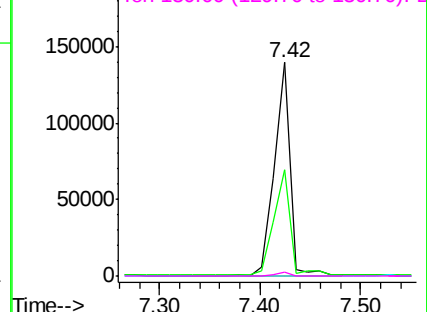
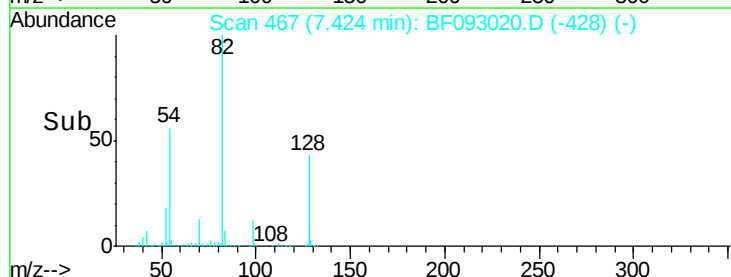
Abundance

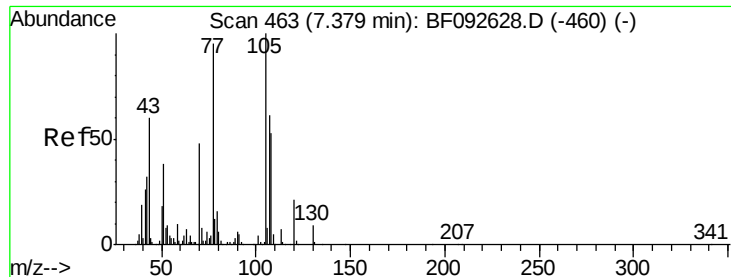
Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

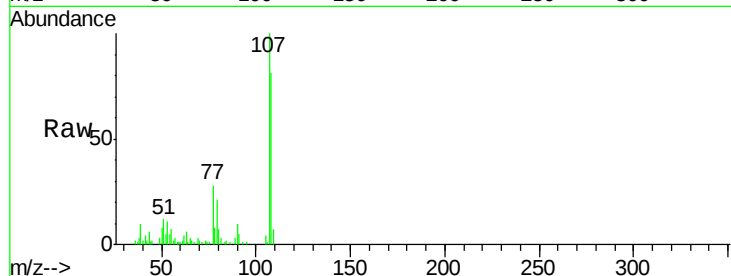




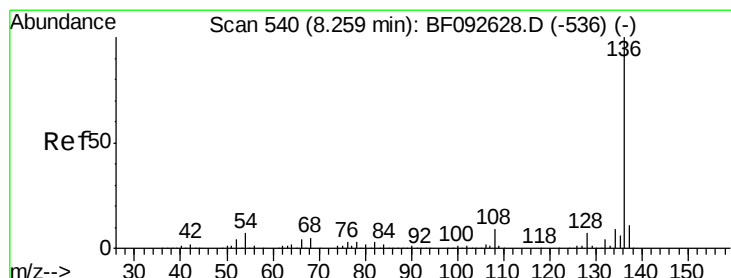
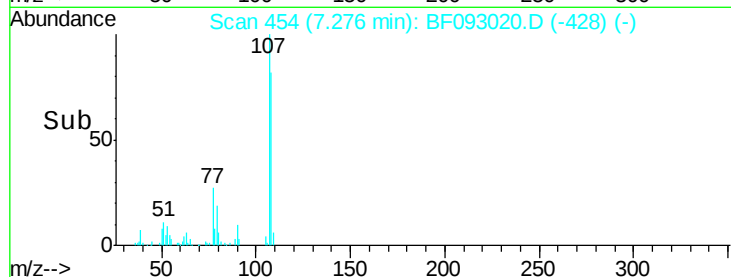
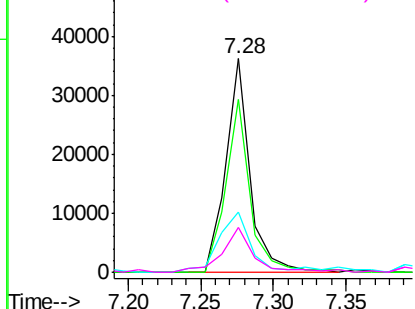
#20
 3+4-Methylphenols
 Concen: 3.65 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.00 min
 Lab File: BF093020.D
 Acq: 17 Feb 2017 19:42

Instrument :
 BNA_F
 ClientSampled :
 B1-2

Tgt Ion:107 Resp: 41906
 Ion Ratio Lower Upper
 107 100
 108 80.8 73.0 113.0
 77 28.4 71.3 111.3#
 79 20.7 11.1 51.1

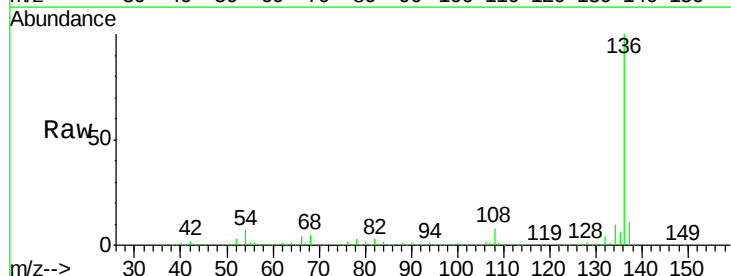


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0
 Ion 79.00 (78.70 to 79.70): BF0

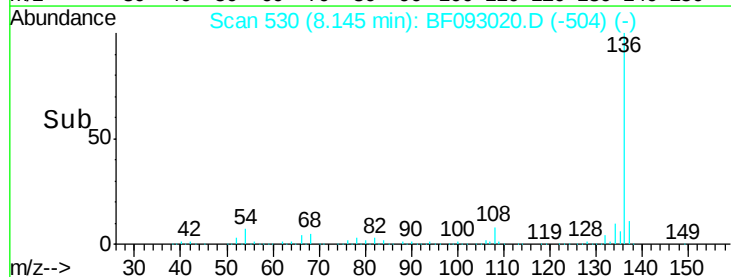
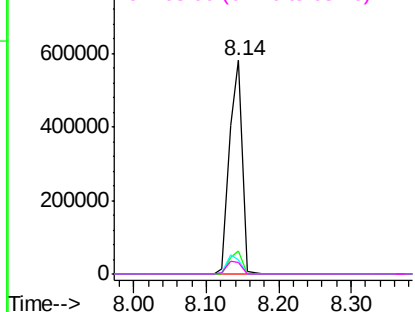


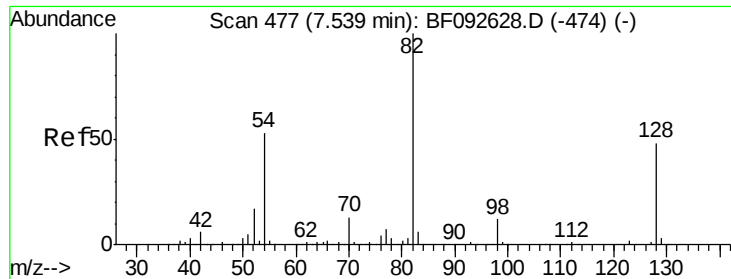
#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.14 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: BF093020.D
 Acq: 17 Feb 2017 19:42

Tgt Ion:136 Resp: 695200
 Ion Ratio Lower Upper
 136 100
 137 10.6 8.4 12.6
 54 6.6 4.5 6.7
 68 5.2 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

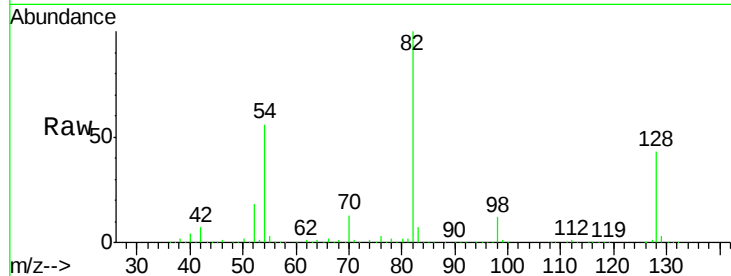




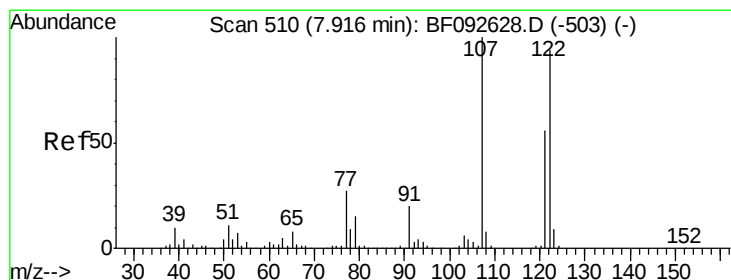
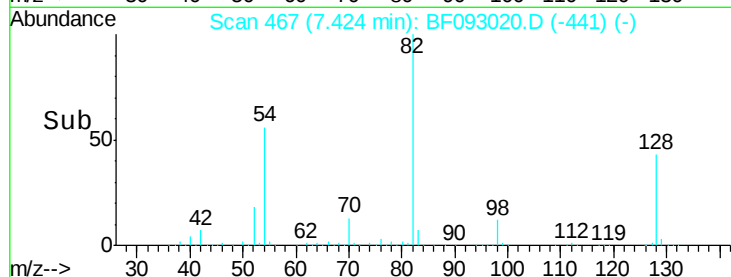
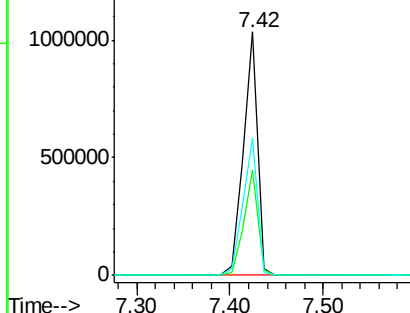
#23
 Nitrobenzene-d5
 Concen: 87.15 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: BF093020.D
 Acq: 17 Feb 2017 19:42

Instrument :
 BNA_F
 ClientSampleId :
 B1-2

Tgt Ion: 82 Resp: 1088012
 Ion Ratio Lower Upper
 82 100
 128 43.3 34.6 52.0
 54 56.4 39.5 59.3

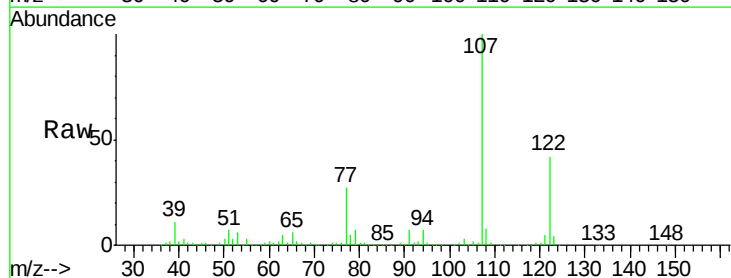


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

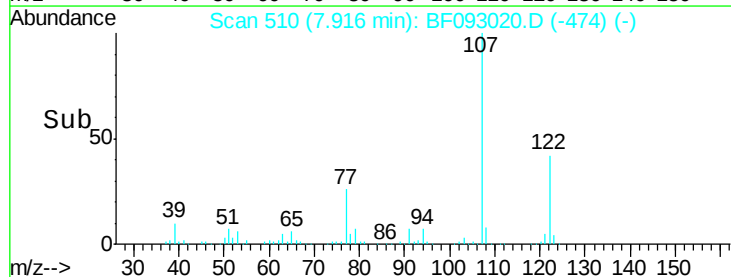
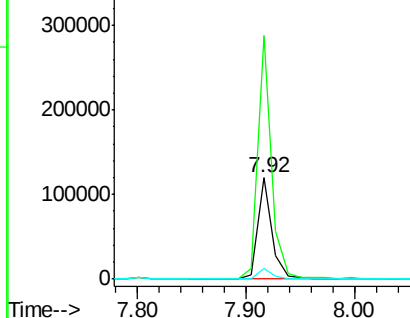


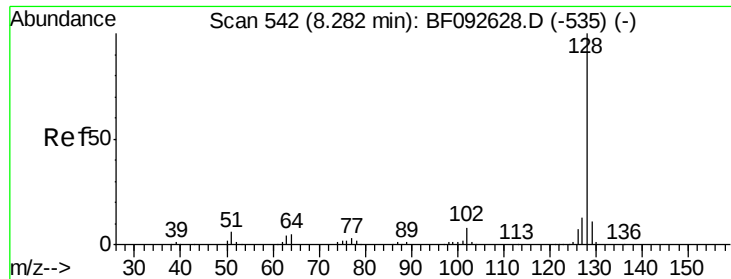
#27
 2,4-Dimethylphenol
 Concen: 10.33 ng
 RT: 7.92 min Scan# 510
 Delta R.T. 0.11 min
 Lab File: BF093020.D
 Acq: 17 Feb 2017 19:42

Tgt Ion: 122 Resp: 110596
 Ion Ratio Lower Upper
 122 100
 107 240.9 94.1 141.1#
 121 10.9 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

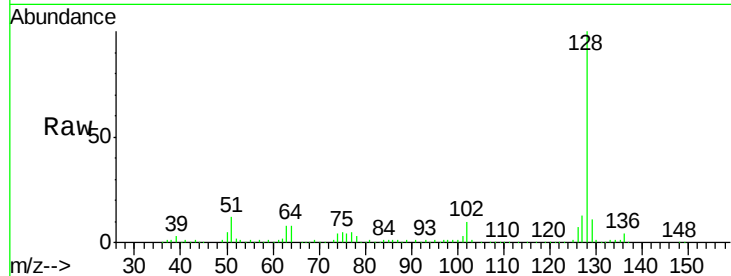




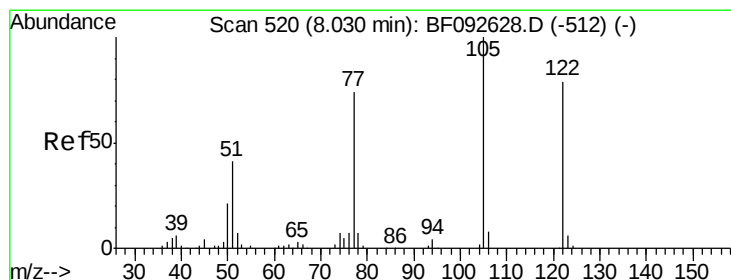
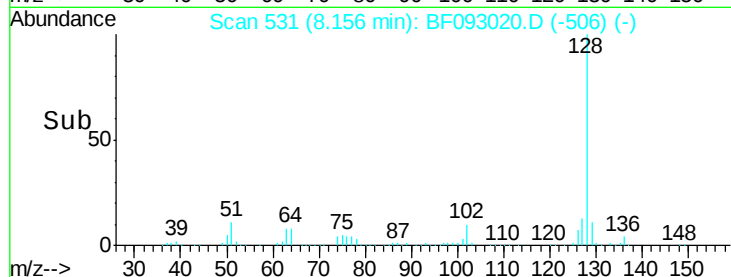
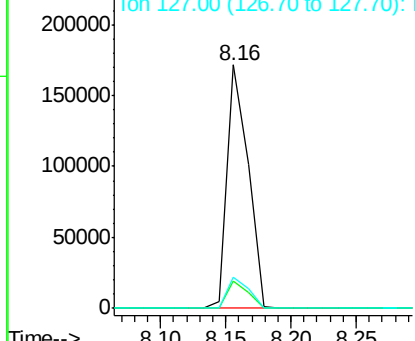
#31
Naphthalene
Concen: 5.46 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF093020.D
Acq: 17 Feb 2017 19:42

Instrument :
BNA_F
ClientSampleId :
B1-2

Tgt Ion:128 Resp: 192581
Ion Ratio Lower Upper
128 100
129 11.0 9.5 14.3
127 12.8 10.8 16.2

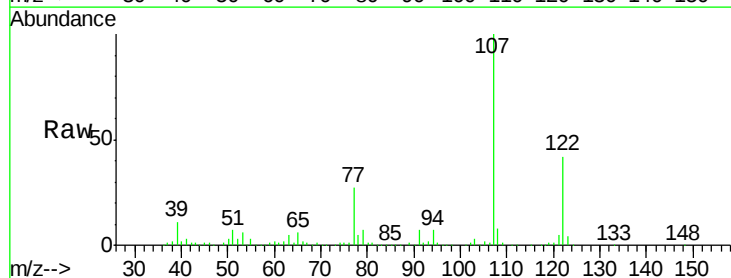


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

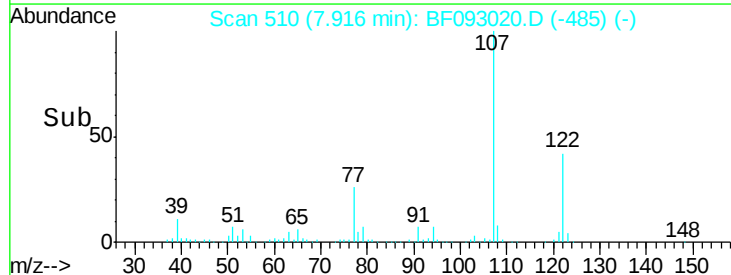
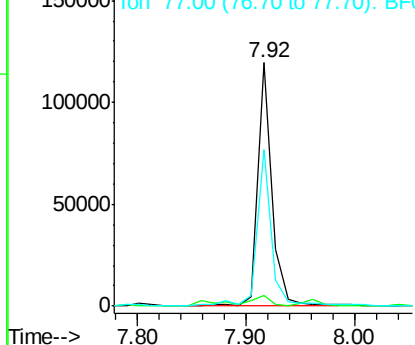


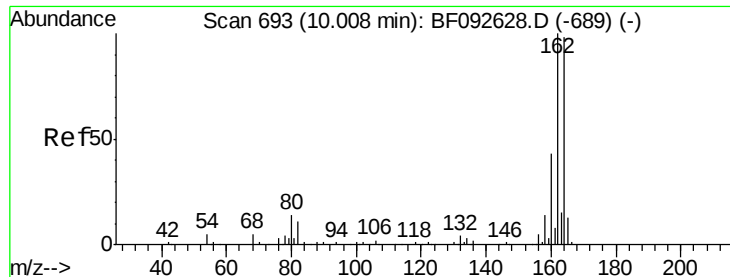
#32
Benzoic acid
Concen: 22.68 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF093020.D
Acq: 17 Feb 2017 19:42

Tgt Ion:122 Resp: 110596
Ion Ratio Lower Upper
122 100
105 4.5 107.2 147.2#
77 64.2 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

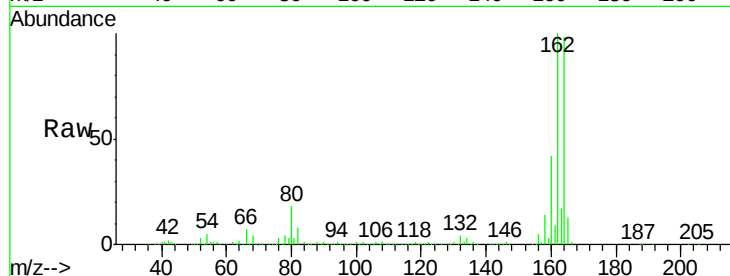




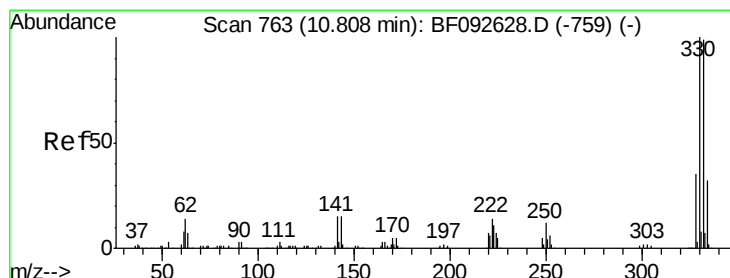
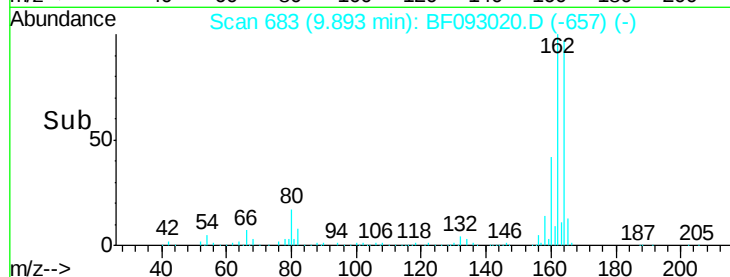
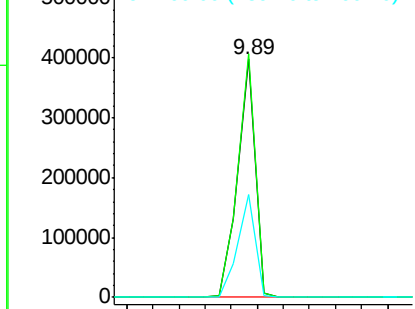
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF093020.D
Acq: 17 Feb 2017 19:42

Instrument :
BNA_F
ClientSampleId :
B1-2

Tgt Ion:164 Resp: 371608
Ion Ratio Lower Upper
164 100
162 102.3 80.2 120.2
160 43.1 36.9 55.3

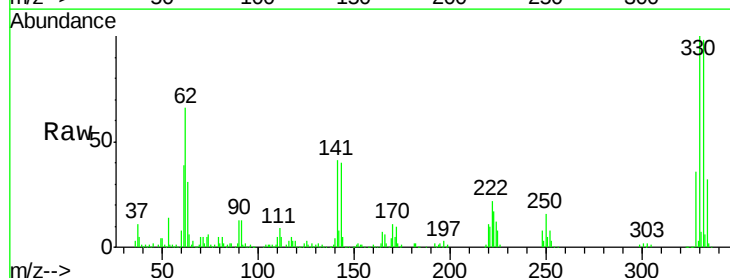


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

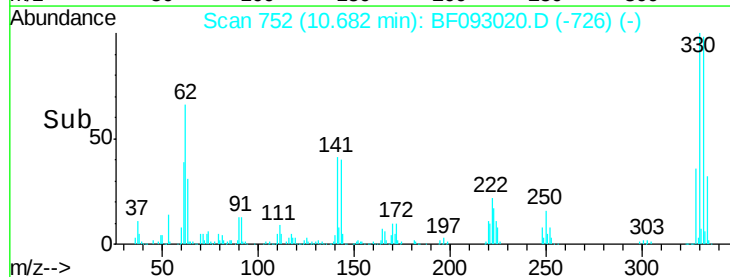
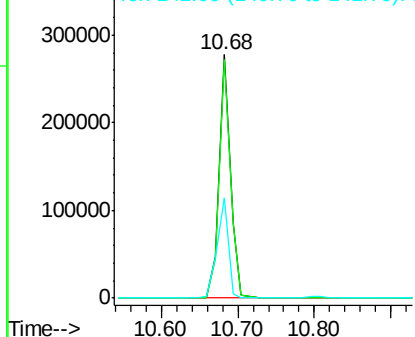


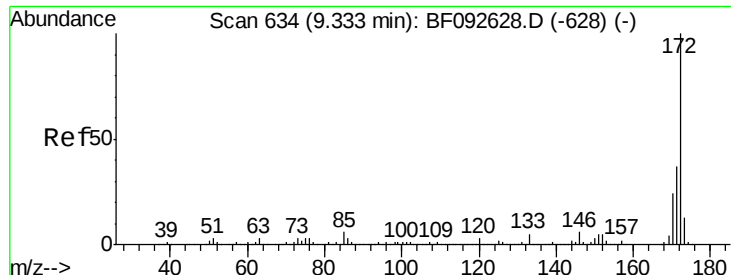
#41
2,4,6-Tribromophenol
Concen: 106.89 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF093020.D
Acq: 17 Feb 2017 19:42

Tgt Ion:330 Resp: 287283
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.2
141 41.2 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

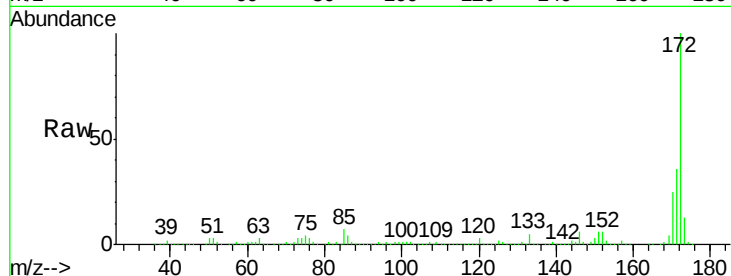




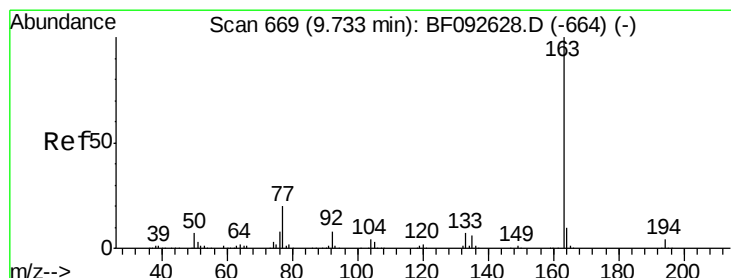
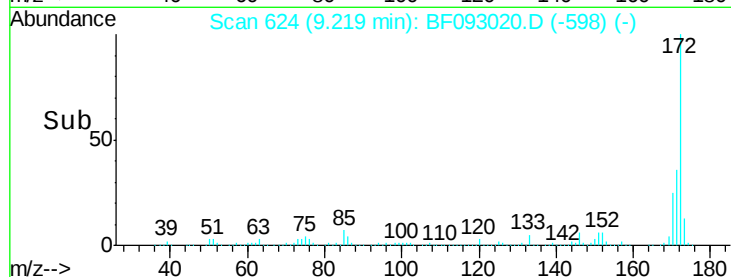
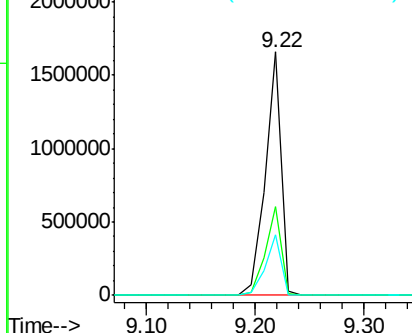
#44
2-Fluorobiphenyl
Concen: 82.75 ng
RT: 9.22 min Scan# 624
Delta R.T. -0.00 min
Lab File: BF093020.D
Acq: 17 Feb 2017 19:42

Instrument :
BNA_F
ClientSampleId :
B1-2

Tgt Ion:172 Resp: 1697314
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 24.7 20.2 30.4

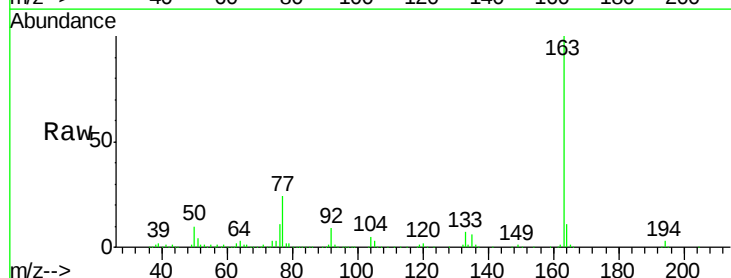


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

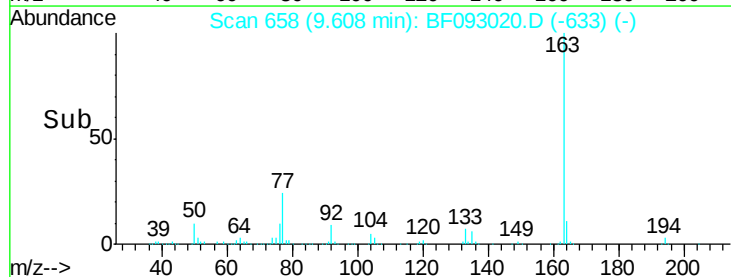
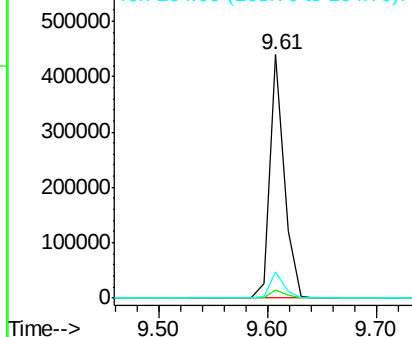


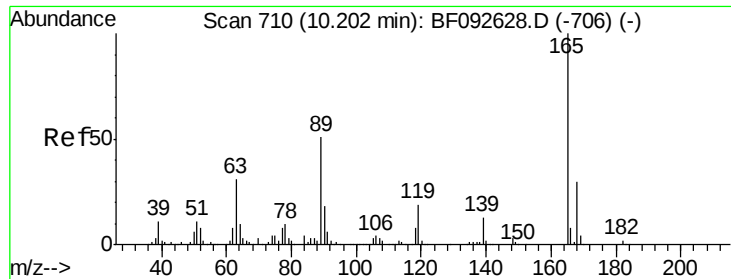
#49
Dimethylphthalate
Concen: 16.22 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF093020.D
Acq: 17 Feb 2017 19:42

Tgt Ion:163 Resp: 406033
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 10.7 8.0 12.0



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

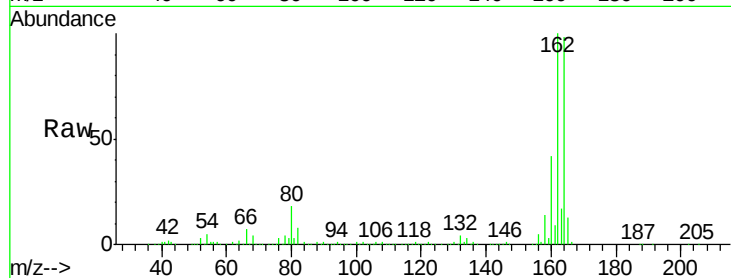




#56
 2,4-Dinitrotoluene
 Concen: 7.21 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.19 min
 Lab File: BF093020.D
 Acq: 17 Feb 2017 19:42

Instrument :
 BNA_F
 ClientSampleId :
 B1-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#

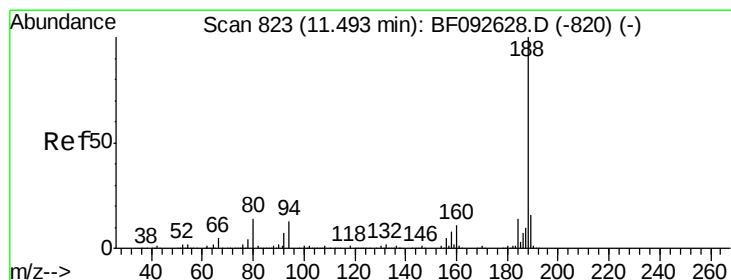
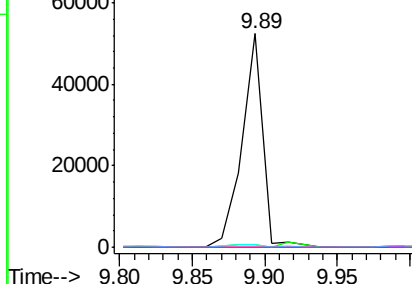
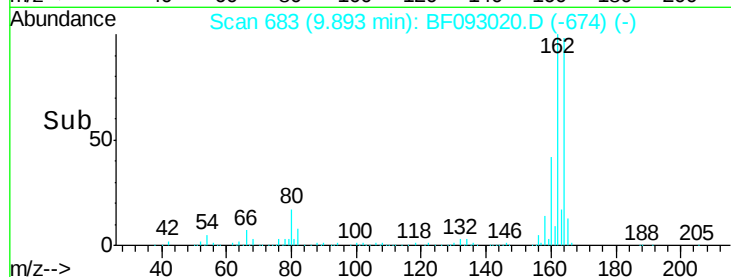


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

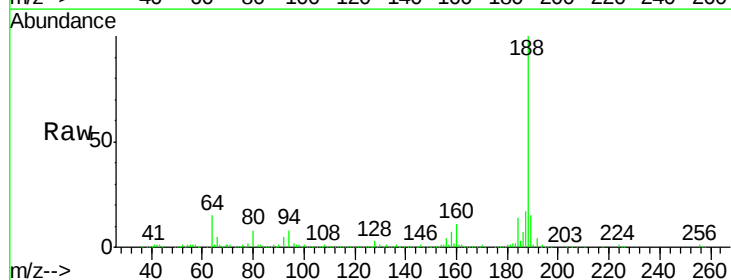
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF093020.D
 Acq: 17 Feb 2017 19:42

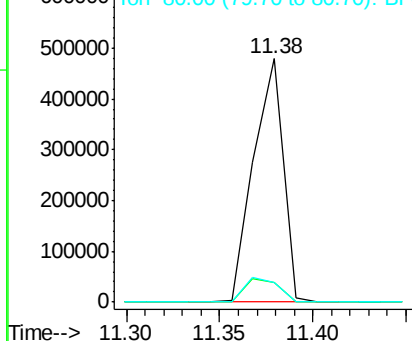
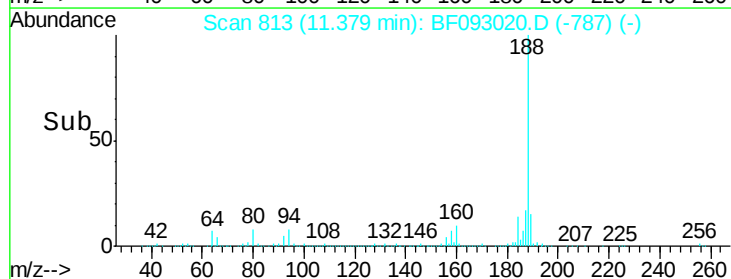
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	10.0	15.0#
80	7.9	11.2	16.8#

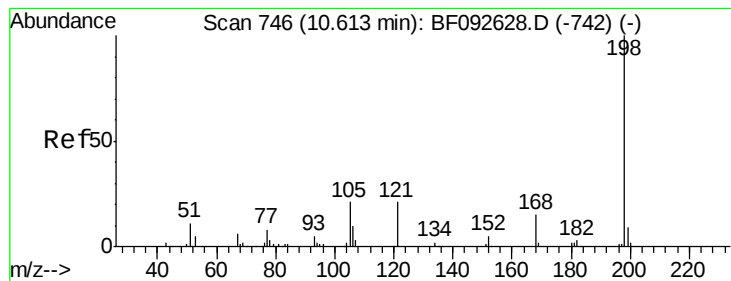


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.75 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.14 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Instrument :

BNA_F

ClientSampleId :

B1-2

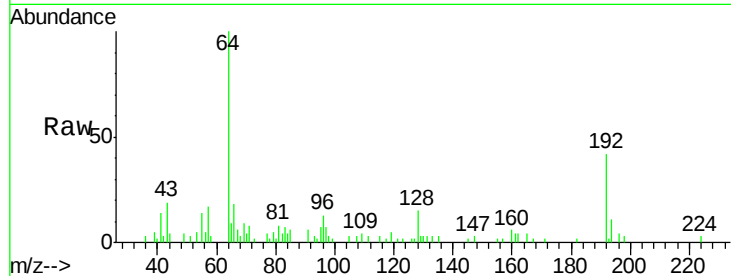
Tgt Ion:198 Resp: 281

Ion Ratio Lower Upper

198 100

51 136.4 6.7 46.7#

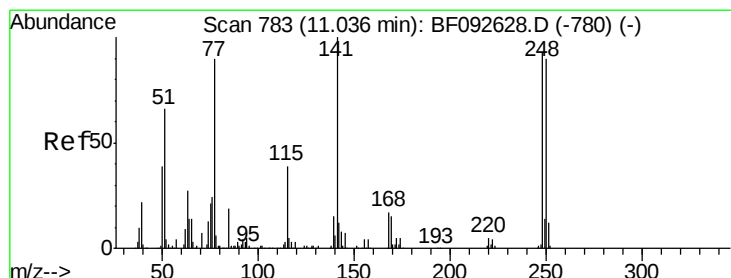
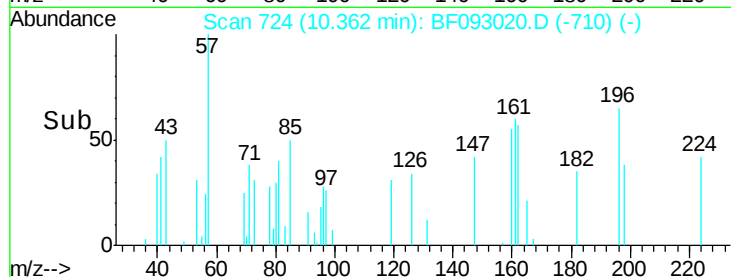
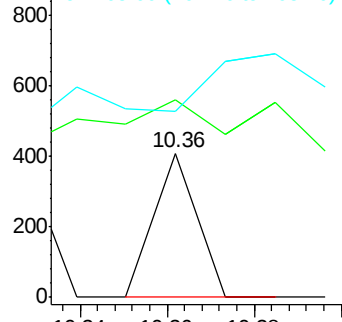
105 128.9 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.79 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

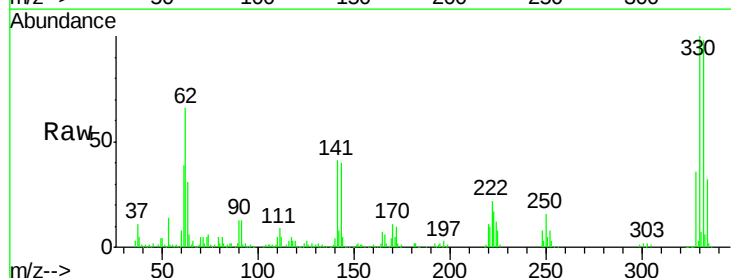
Tgt Ion:248 Resp: 20890

Ion Ratio Lower Upper

248 100

250 201.9 76.9 115.3#

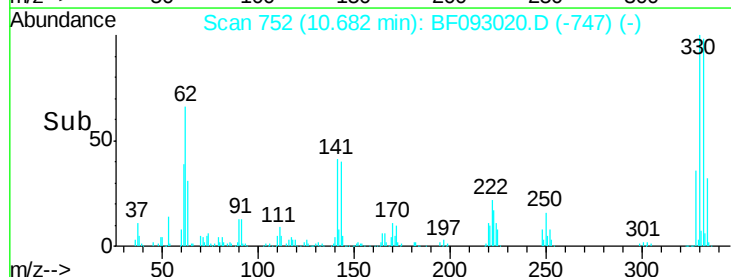
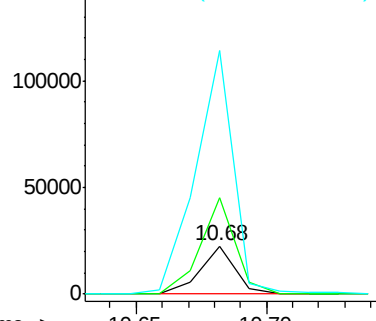
141 508.3 68.2 102.4#

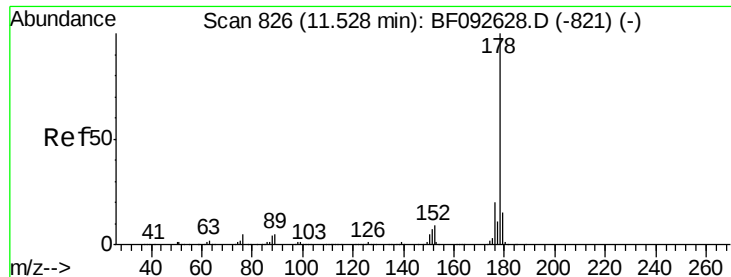


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

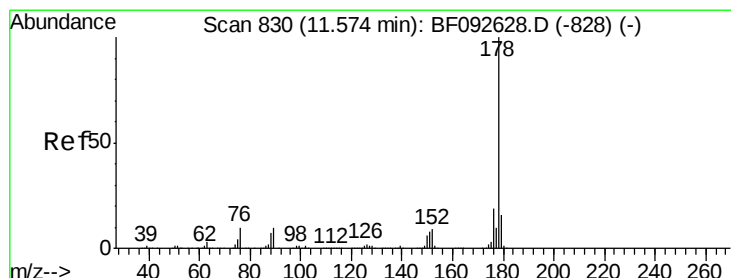
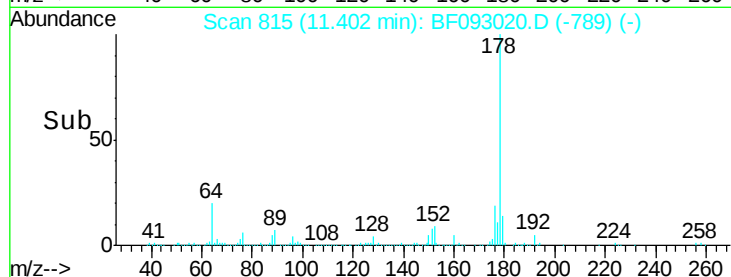
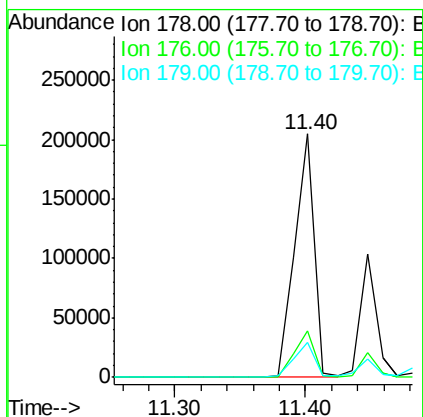
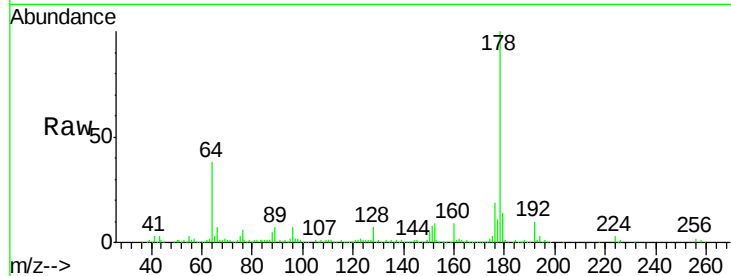




#70
Phenanthrene
Concen: 7.10 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF093020.D
Acq: 17 Feb 2017 19:42

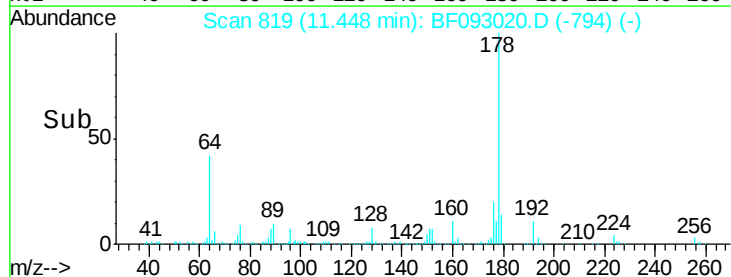
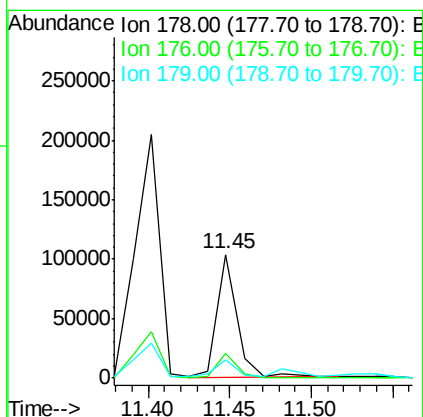
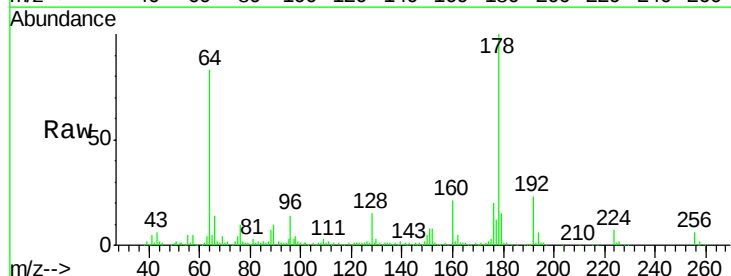
Instrument :
BNA_F
ClientSampleId :
B1-2

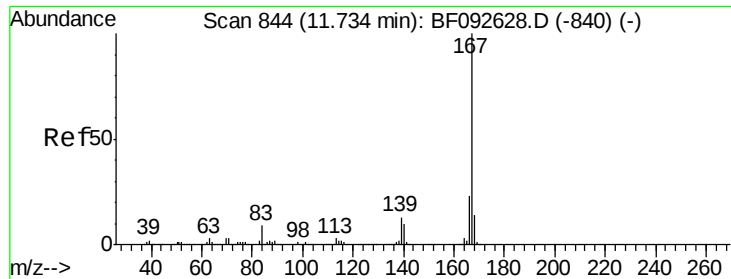
Tgt Ion:178 Resp: 214832
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 14.4 12.8 19.2



#71
Anthracene
Concen: 2.88 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF093020.D
Acq: 17 Feb 2017 19:42

Tgt Ion:178 Resp: 87592
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 14.5 13.2 19.8





#72

Carbazole

Concen: 2.08 ng

RT: 11.61 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Instrument :

BNA_F

ClientSampleId :

B1-2

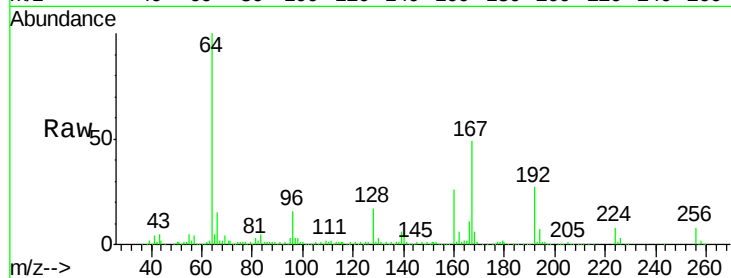
Tgt Ion:167 Resp: 60341

Ion Ratio Lower Upper

167 100

166 22.2 18.2 27.2

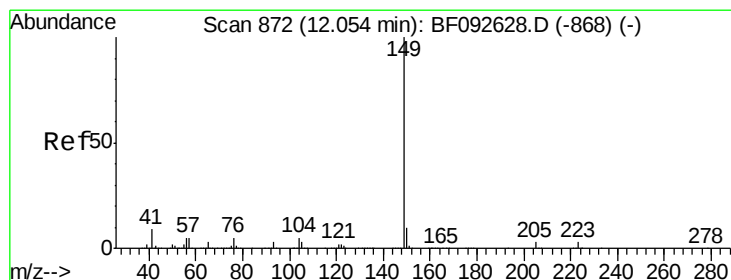
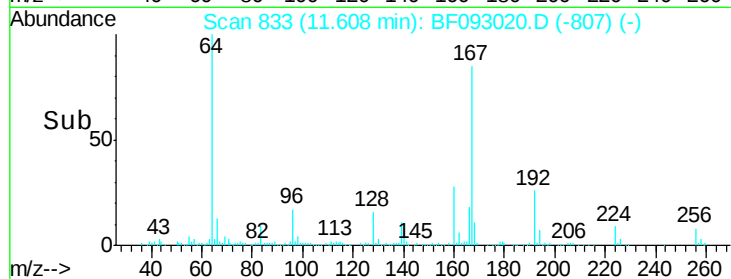
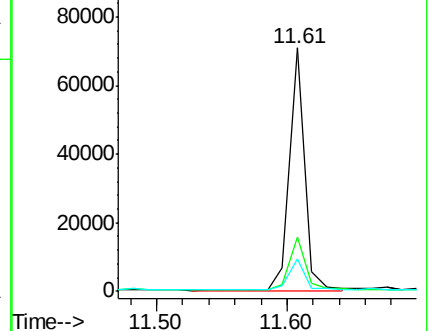
139 13.1 11.4 17.2



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: 9.35 ng

RT: 11.94 min Scan# 862

Delta R.T. -0.00 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

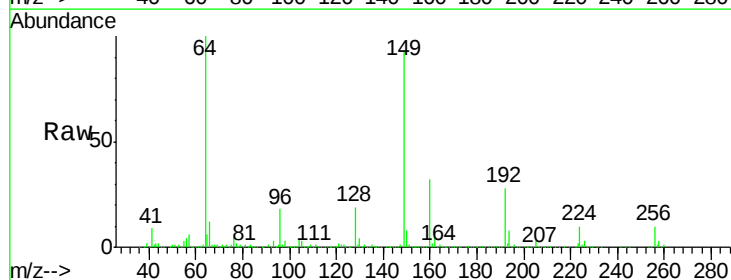
Tgt Ion:149 Resp: 293533

Ion Ratio Lower Upper

149 100

150 9.1 8.1 12.1

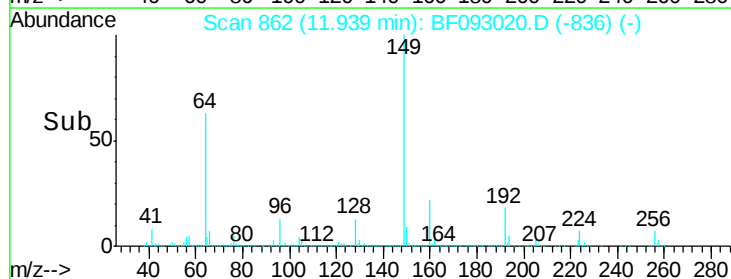
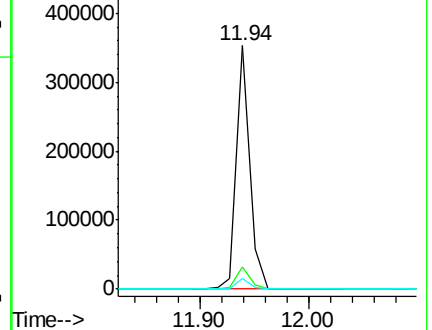
104 4.5 4.6 7.0#

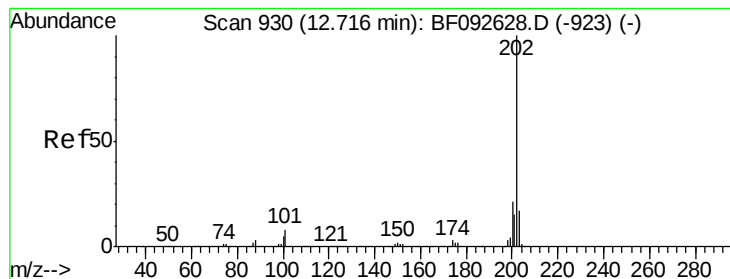


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 14.98 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Instrument :

BNA_F

ClientSampleId :

B1-2

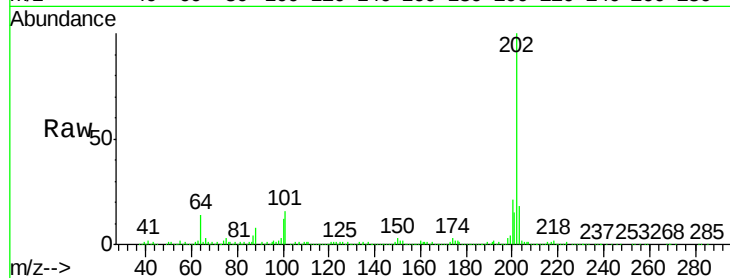
Tgt Ion:202 Resp: 467270

Ion Ratio Lower Upper

202 100

101 16.4 0.0 34.6

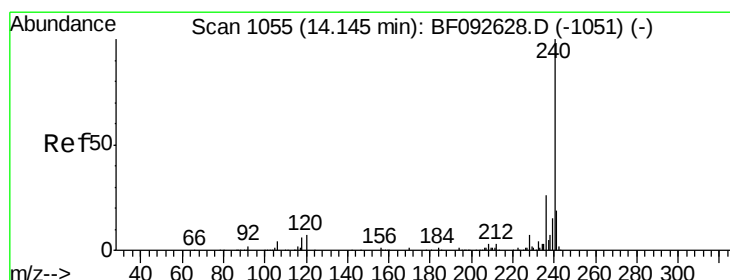
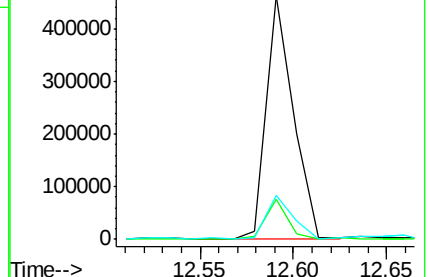
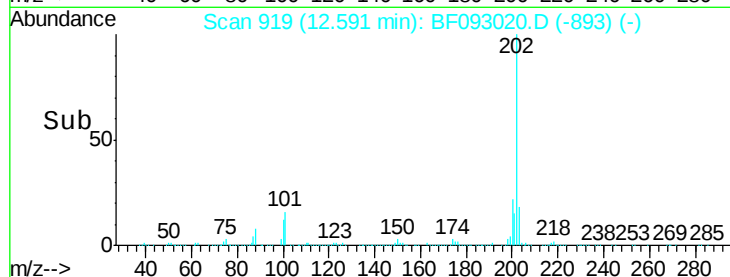
203 18.0 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

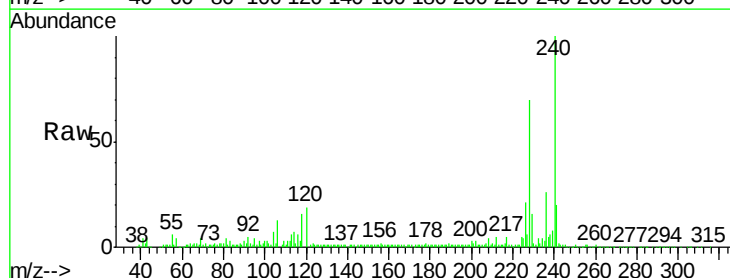
Tgt Ion:240 Resp: 320890

Ion Ratio Lower Upper

240 100

120 18.9 12.9 19.3

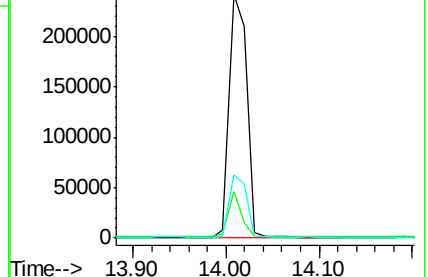
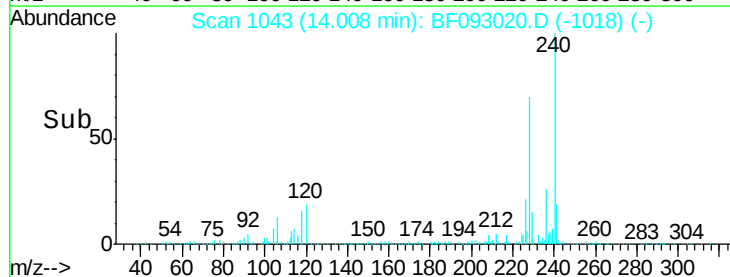
236 26.0 20.9 31.3

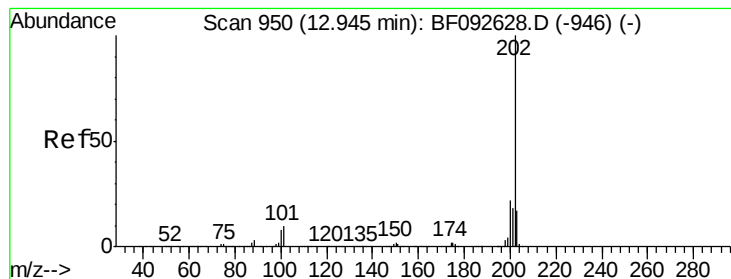


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 26.52 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Instrument :

BNA_F

ClientSampleId :

B1-2

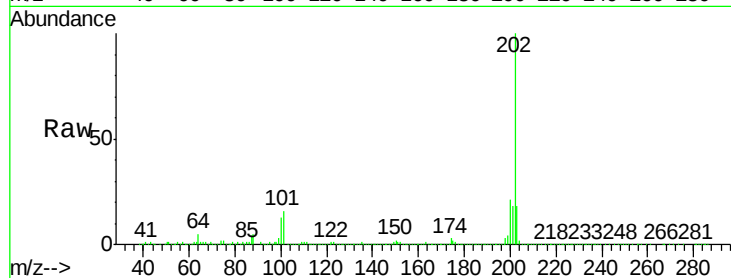
Tgt Ion:202 Resp: 636817

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

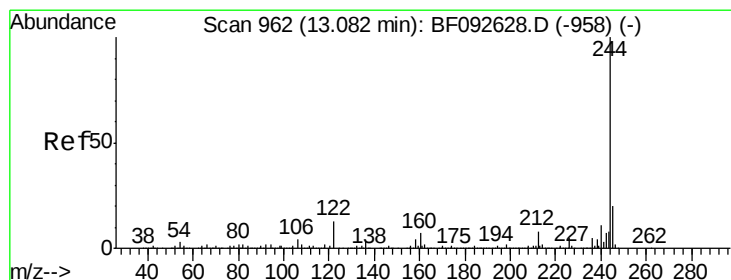
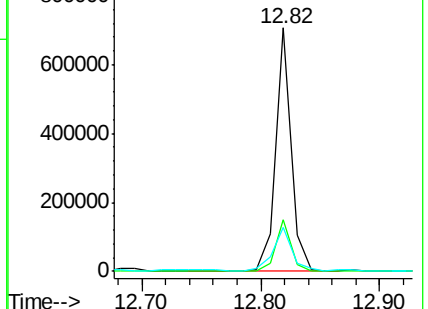
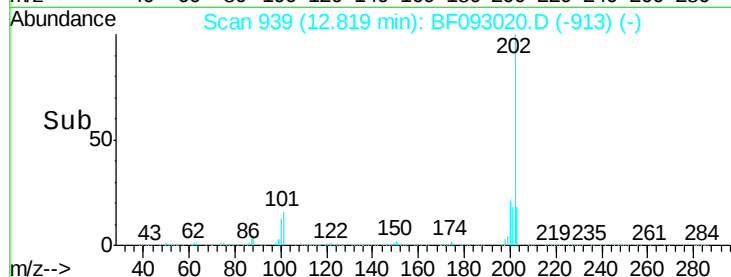
203 18.0 14.7 22.1



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: 85.67 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

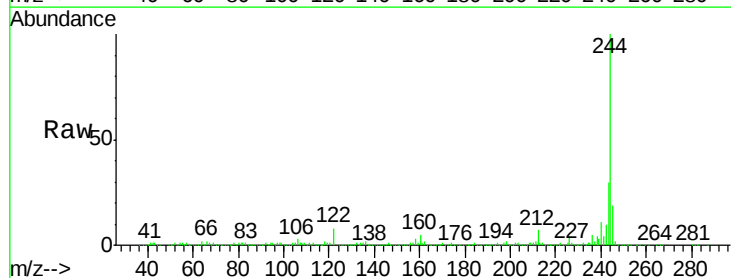
Tgt Ion:244 Resp: 1169933

Ion Ratio Lower Upper

244 100

212 6.6 6.2 9.2

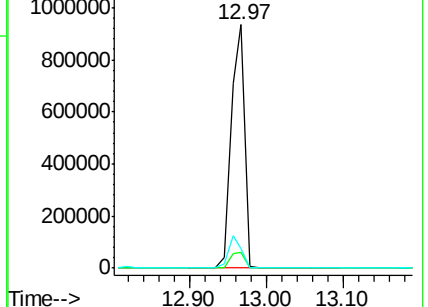
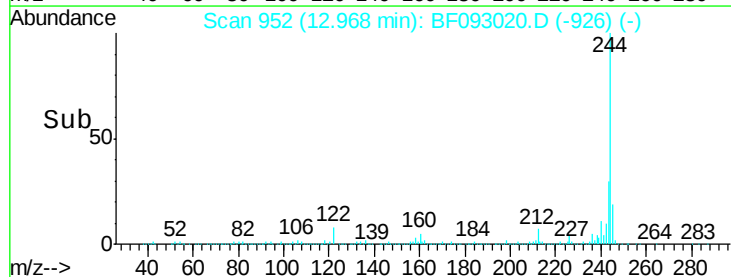
122 8.1 11.4 17.2#

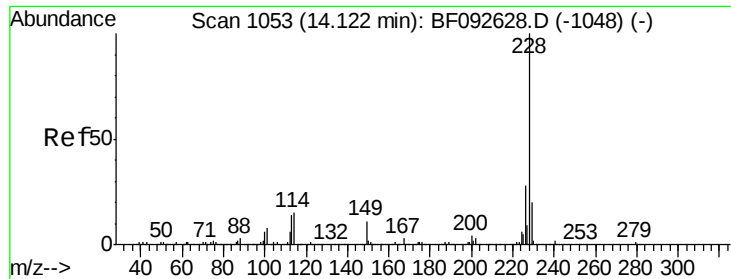


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 14.44 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Instrument :

BNA_F

ClientSampleId :

B1-2

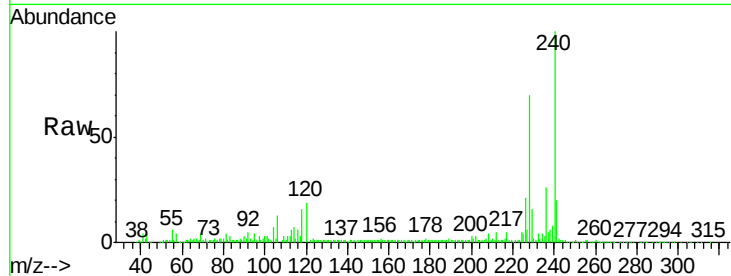
Tgt Ion:228 Resp: 283420

Ion Ratio Lower Upper

228 100

226 29.9 22.4 33.6

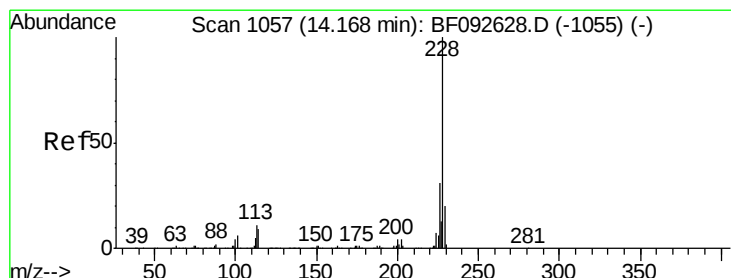
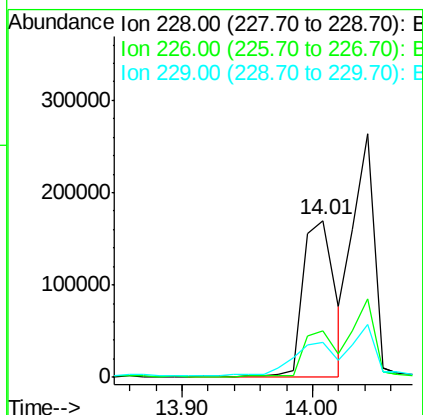
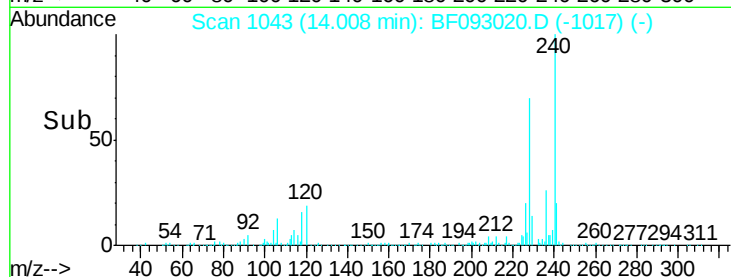
229 22.1 16.2 24.4



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: 16.16 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

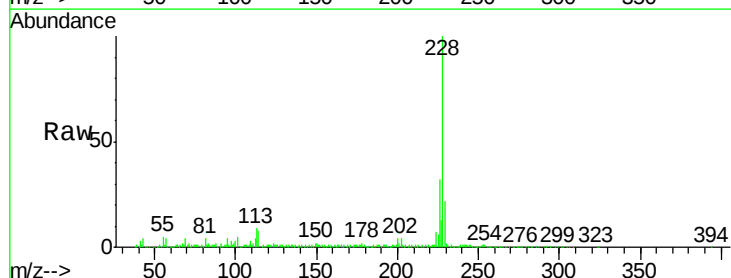
Tgt Ion:228 Resp: 296981

Ion Ratio Lower Upper

228 100

226 32.1 25.4 38.0

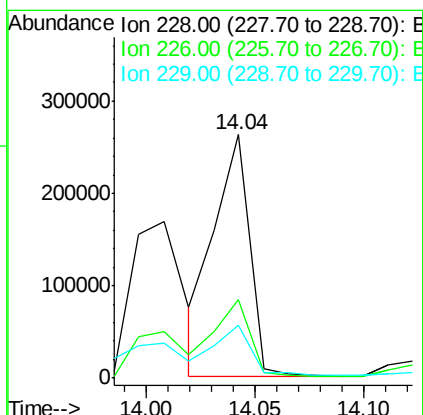
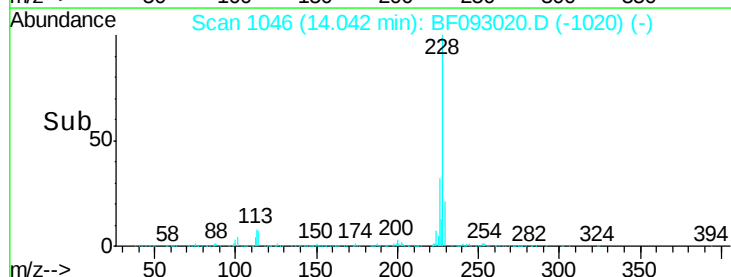
229 21.9 16.2 24.2

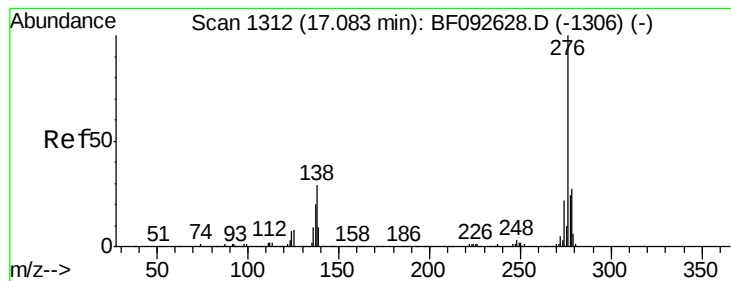


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.79 ng

RT: 16.84 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Instrument :

BNA_F

ClientSampleId :

B1-2

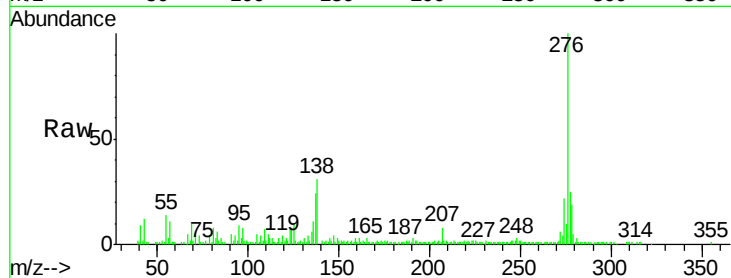
Tgt Ion:276 Resp: 125172

Ion Ratio Lower Upper

276 100

138 30.2 21.8 32.6

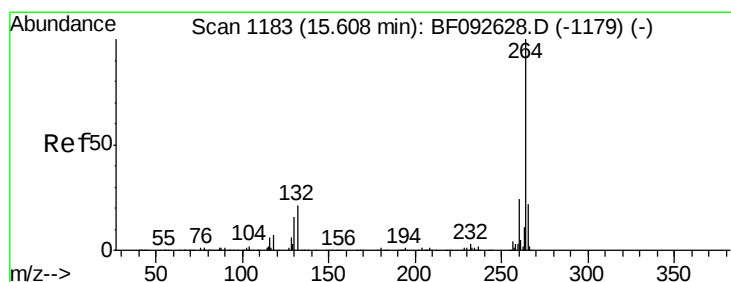
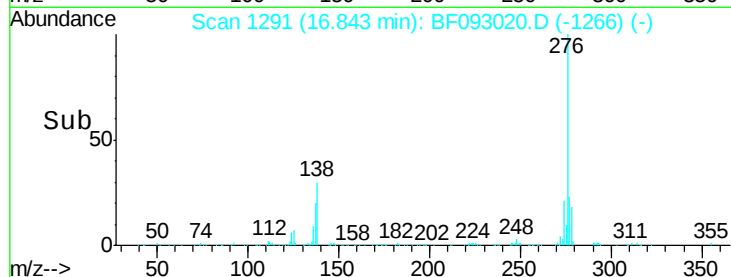
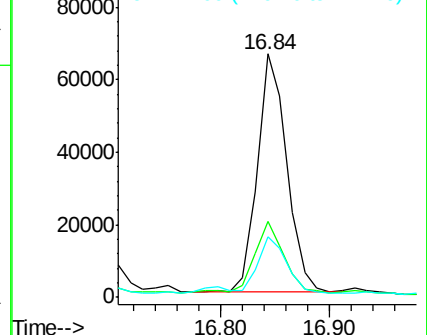
277 26.9 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.45 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

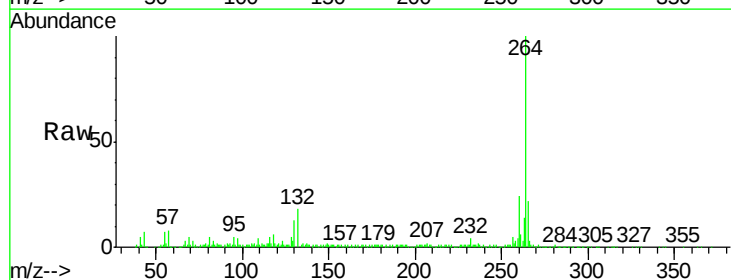
Tgt Ion:264 Resp: 310286

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

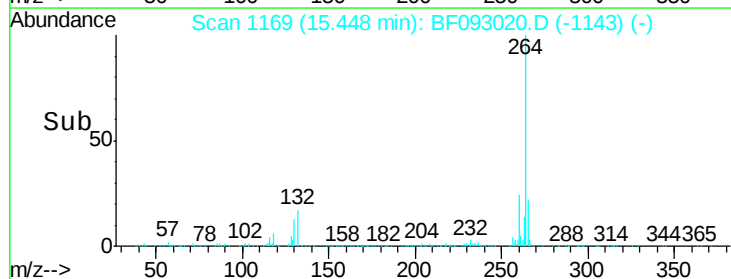
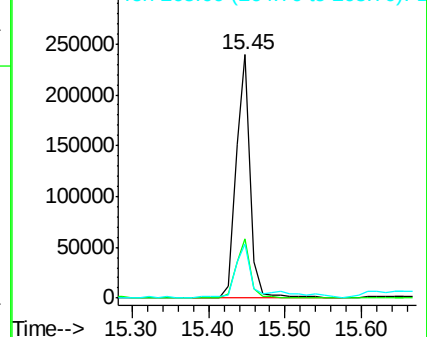
265 22.3 17.4 26.0

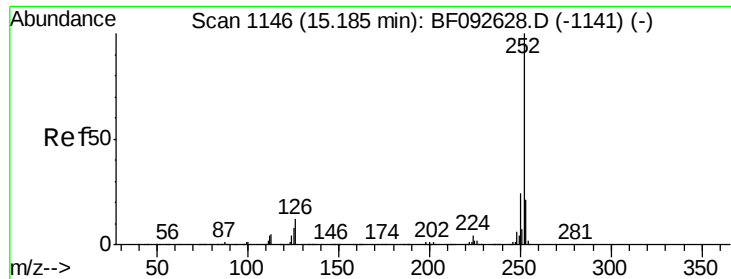


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 25.82 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.00 min

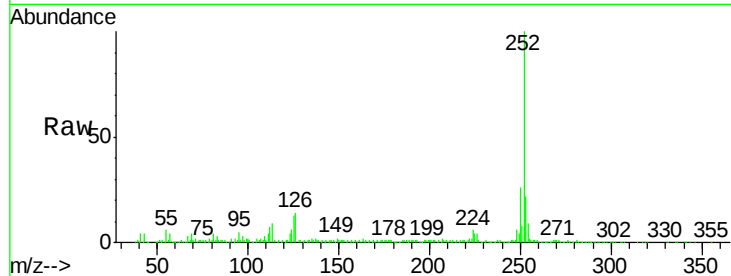
Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Instrument :
BNA_F
ClientSampleId :
B1-2

Tgt Ion:252 Resp: 527345

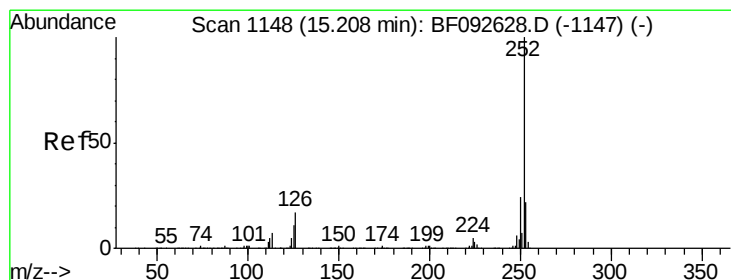
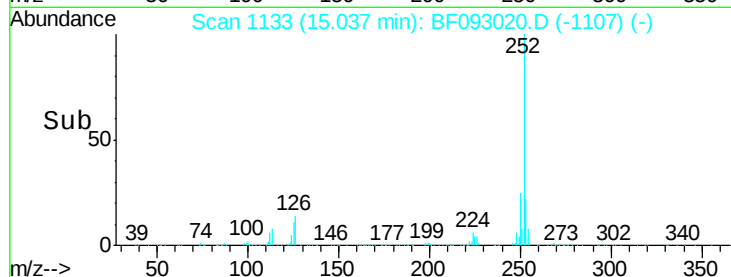
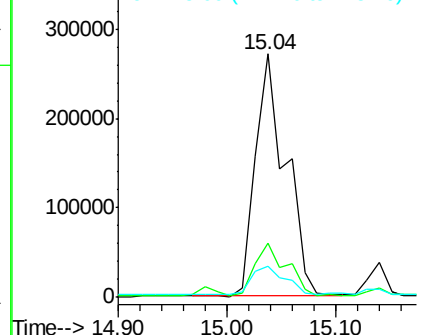
Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	12.6	9.8	14.6



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: 29.91 ng

RT: 15.04 min Scan# 1133

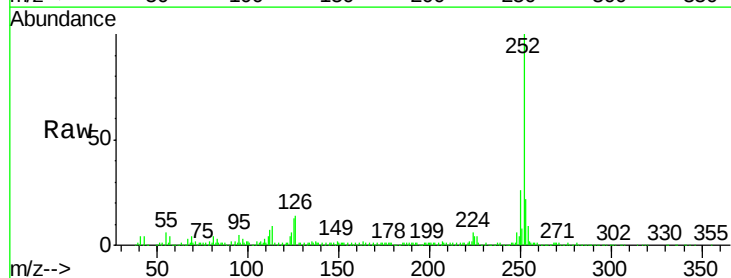
Delta R.T. -0.03 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Tgt Ion:252 Resp: 527345

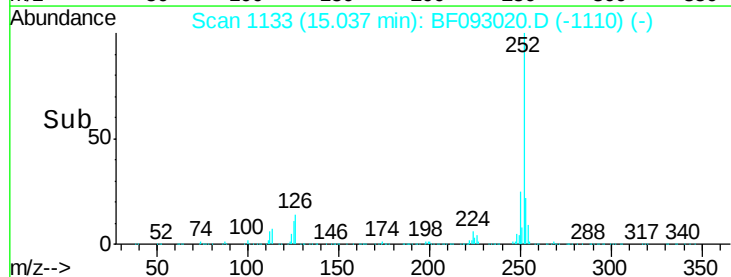
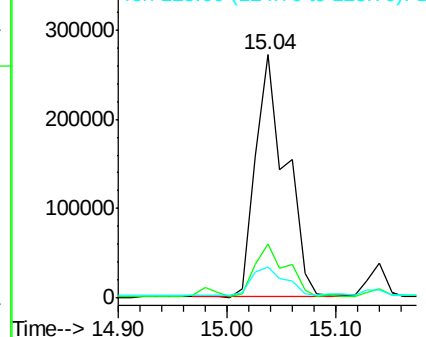
Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.5	27.7
125	12.6	8.9	13.3

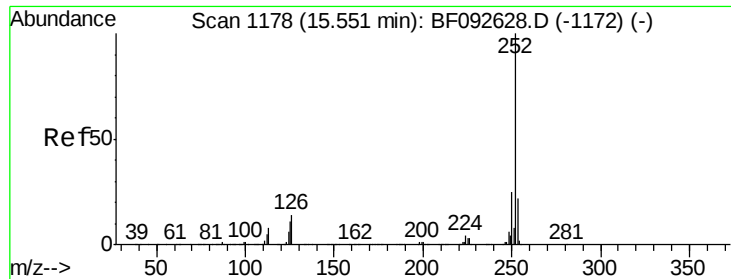


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.01 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

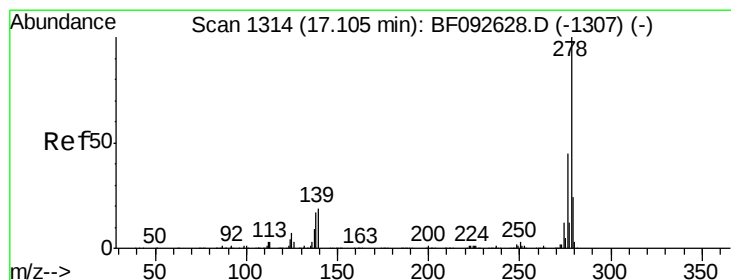
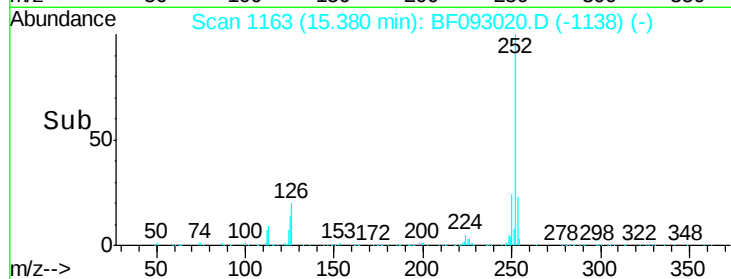
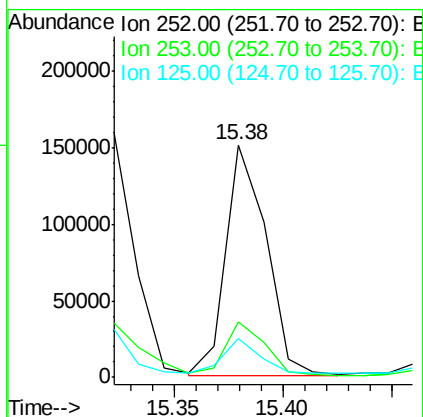
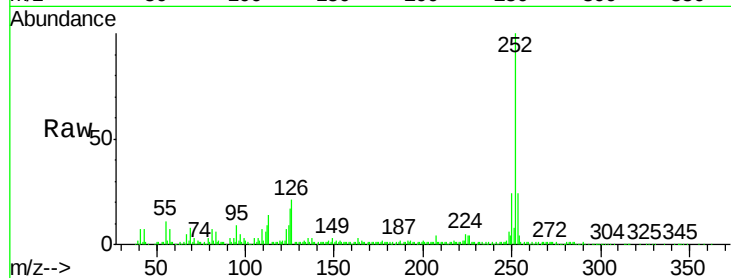
Instrument :

BNA_F

ClientSampleId :

B1-2

Tgt Ion:	252	Resp:	194574
Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	16.8	10.0	15.0#



#90

Dibenzo(a,h)anthracene

Concen: 2.54 ng

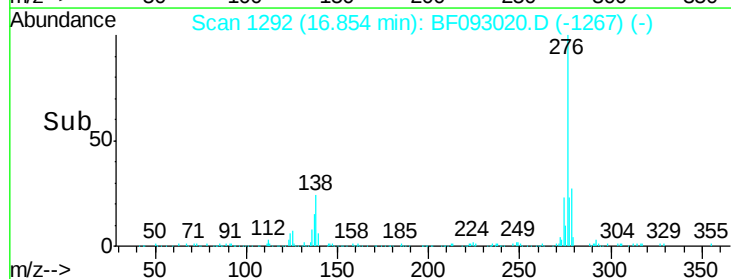
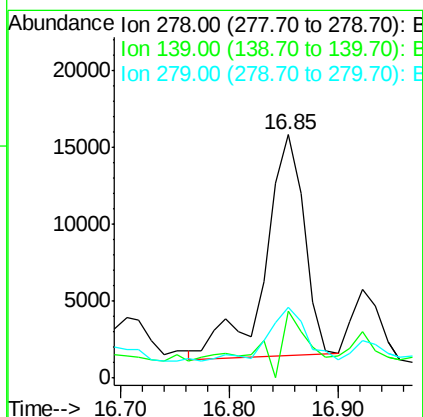
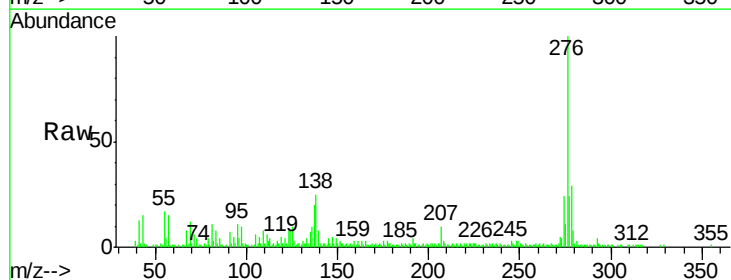
RT: 16.85 min Scan# 1292

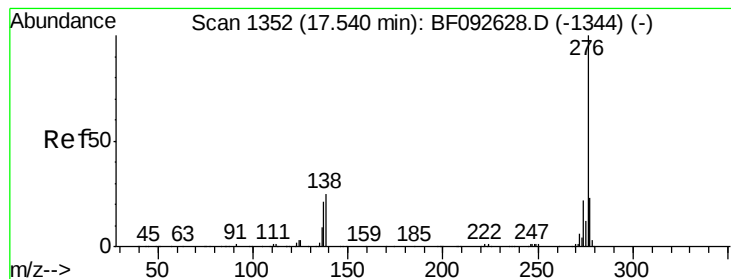
Delta R.T. -0.01 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Tgt Ion:	278	Resp:	36197
Ion	Ratio	Lower	Upper
278	100		
139	27.3	14.8	22.2#
279	29.0	19.8	29.6





#91

Benzo(g,h,i)perylene

Concen: 8.21 ng

RT: 17.28 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF093020.D

Acq: 17 Feb 2017 19:42

Instrument :

BNA_F

ClientSampleId :

B1-2

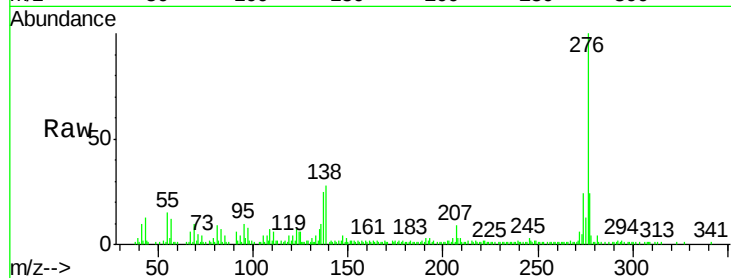
Tgt Ion: 276 Resp: 118406

Ion Ratio Lower Upper

276 100

277 24.3 19.2 28.8

138 28.4 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

