

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099054.D
 Acq On : 4 Oct 2017 2:20
 Operator : SJ/JU
 Sample : I5610-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 04 03:44:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

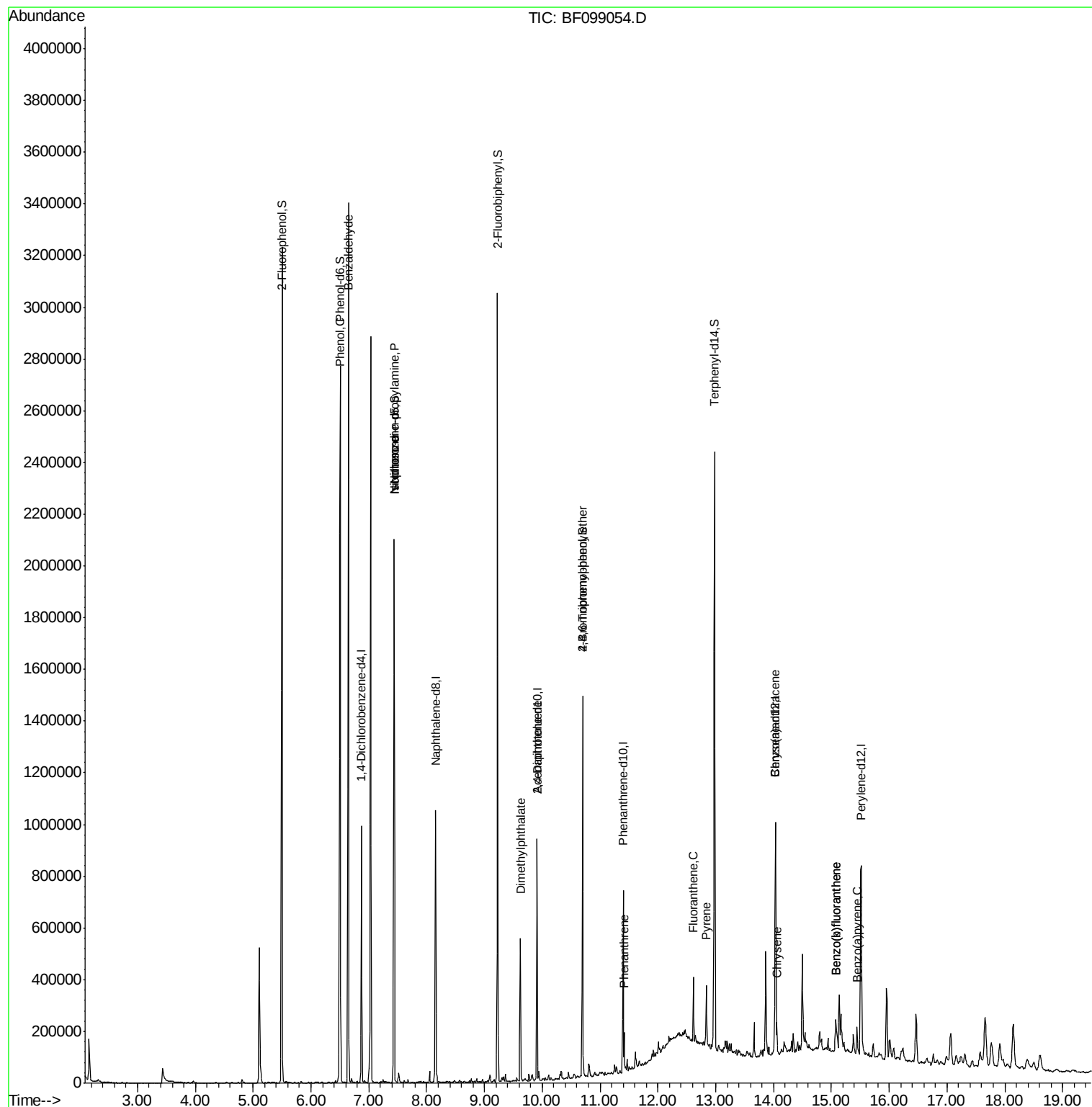
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	131910	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	477158	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	165203	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	248076	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	266756	20.00	ng	-0.05
86) Perylene-d12	15.51	264	269623	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1081059	130.46	ng	-0.04
7) Phenol-d6	6.50	99	1252570	122.54	ng	-0.04
23) Nitrobenzene-d5	7.44	82	717574	96.44	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	152409	112.74	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	928795	93.86	ng	-0.05
78) Terphenyl-d14	12.98	244	679960	57.97	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	21631	3.65	ng	83
10) Phenol	6.52	94	33875	2.96	ng	99
19) n-Nitroso-di-n-propylamine	7.44	70	94081	14.42	ng	# 75
25) Isophorone	7.44	82	709239	46.10	ng	# 64
49) Dimethylphthalate	9.62	163	209359	16.79	ng	99
56) 2,4-Dinitrotoluene	9.91	165	20672	5.87	ng	# 23
66) 4-Bromophenyl-phenylether	10.70	248	10510	4.33	ng	# 1
70) Phenanthrene	11.42	178	52734	3.97	ng	99
74) Fluoranthene	12.62	202	83677	6.22	ng	96
77) Pyrene	12.84	202	81003	3.98	ng	99
80) Benzo(a)anthracene	14.03	228	46564	2.88	ng	92
82) Chrysene	14.06	228	44371	2.89	ng	96
87) Benzo(b)fluoranthene	15.07	252	83085	5.01	ng	# 91
88) Benzo(k)fluoranthene	15.07	252	83085	5.07	ng	# 94
89) Benzo(a)pyrene	15.44	252	45618	3.00	ng	# 96

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

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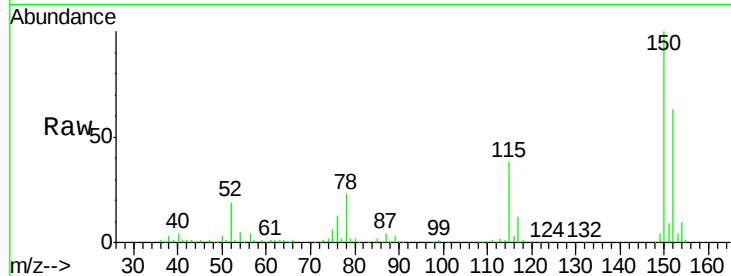




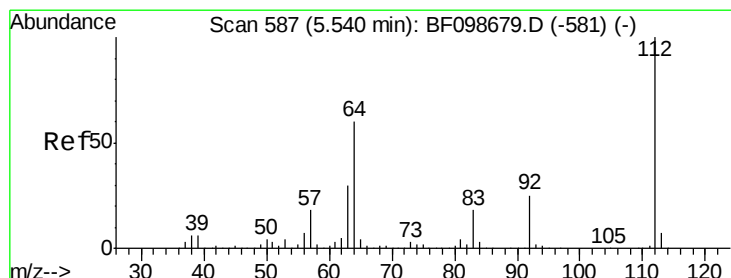
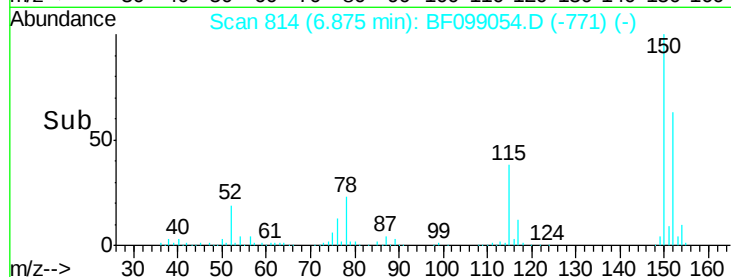
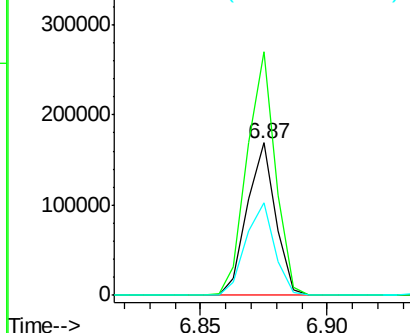
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.05 min
 Lab File: BF099054.D
 Acq: 4 Oct 2017 2:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 131910
 Ion Ratio Lower Upper
 152 100
 150 159.6 124.6 186.8
 115 60.9 50.1 75.1

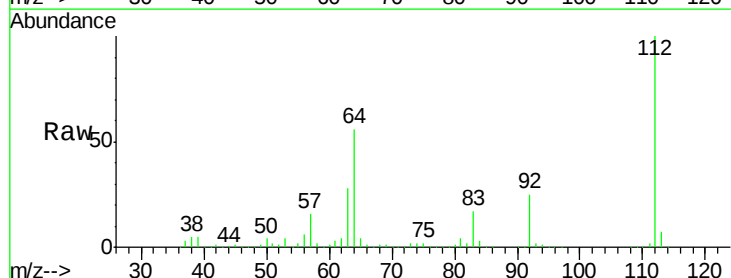


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

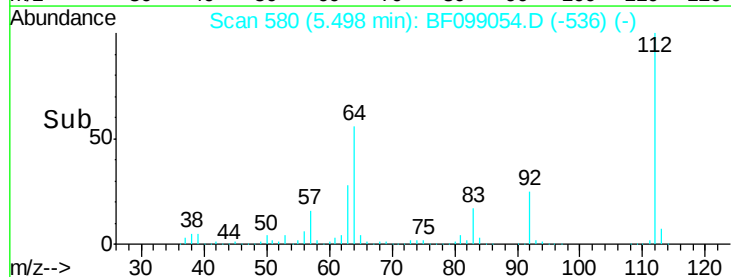
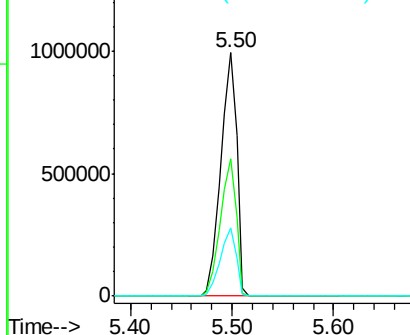


#5
 2-Fluorophenol
 Concen: 130.46 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.04 min
 Lab File: BF099054.D
 Acq: 4 Oct 2017 2:20

Tgt Ion:112 Resp: 1081059
 Ion Ratio Lower Upper
 112 100
 64 56.2 47.9 71.9
 63 27.9 23.7 35.5



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: 122.54 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

Instrument :

BNA_F

ClientSampled :

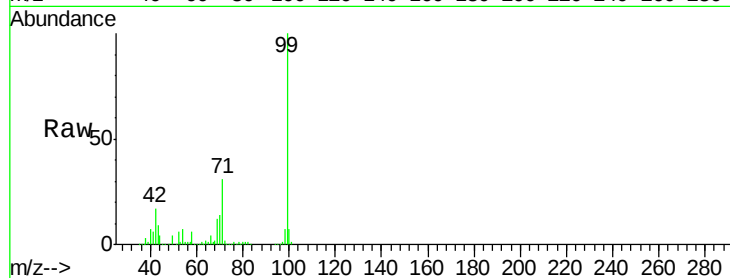
Tot Ion: 99 Resp: 1252570

Ion Ratio Lower Upper

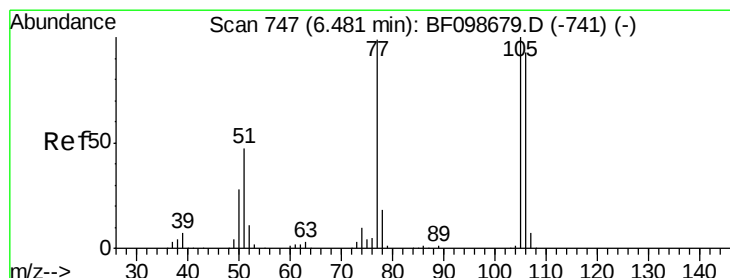
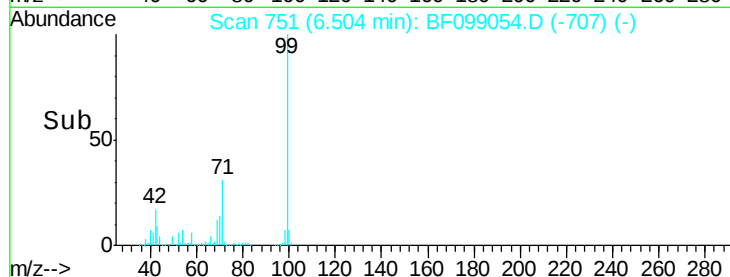
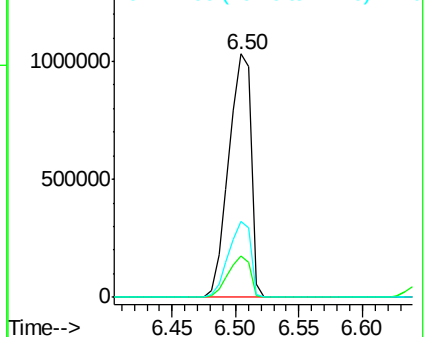
99 100

42 17.0 14.5 21.7

71 31.4 25.4 38.0



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: 3.65 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.17 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

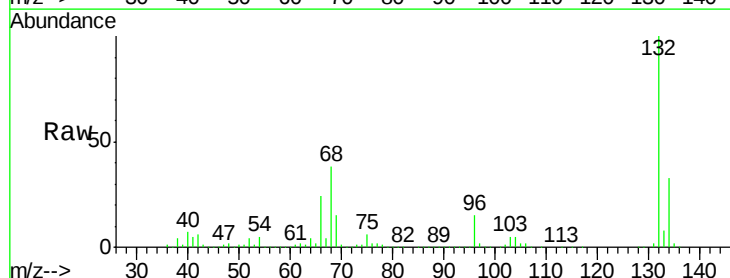
Tgt Ion: 77 Resp: 21631

Ion Ratio Lower Upper

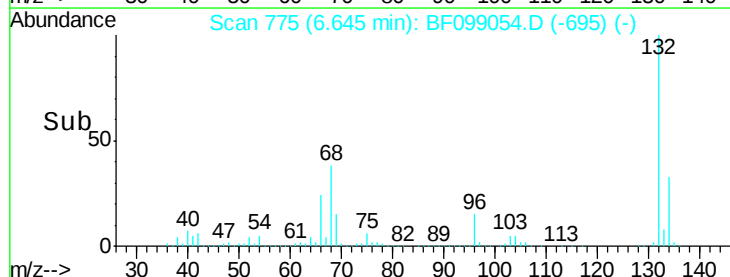
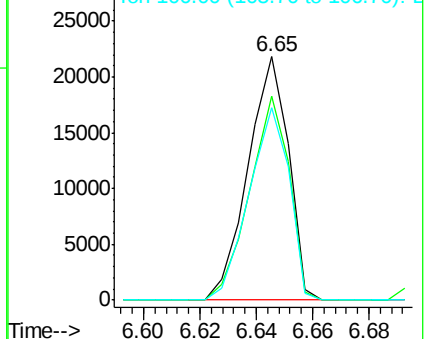
77 100

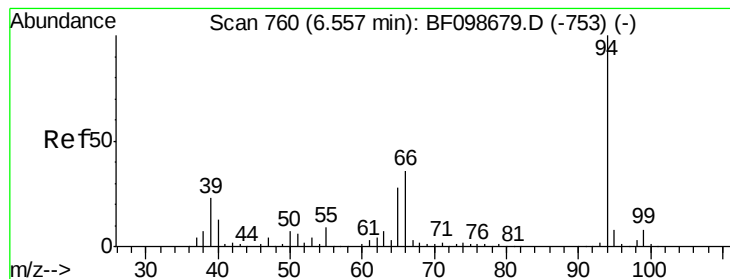
105 83.8 81.1 121.1

106 79.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 2.96 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.04 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

Instrument :

BNA_F

ClientSampleId :

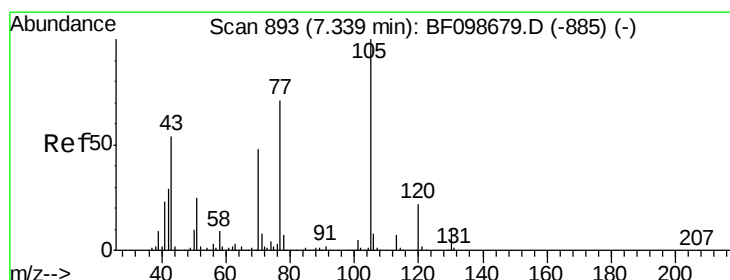
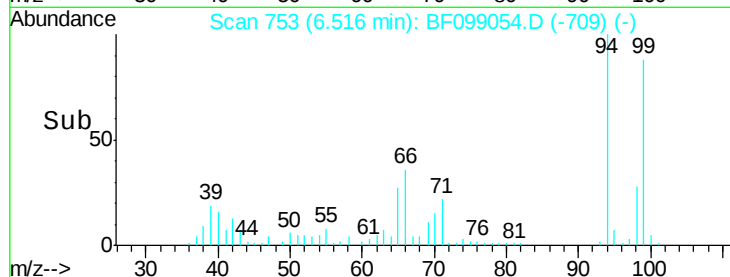
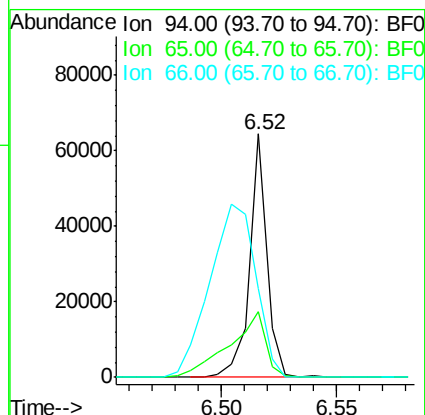
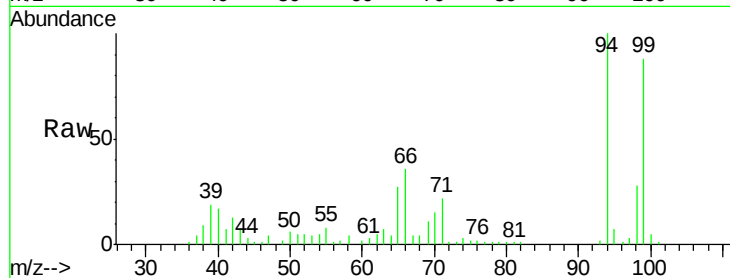
Tot Ion: 94 Resp: 33875

Ion Ratio Lower Upper

94 100

65 26.7 7.9 47.9

66 36.4 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.42 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.11 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

Tgt Ion: 70 Resp: 94081

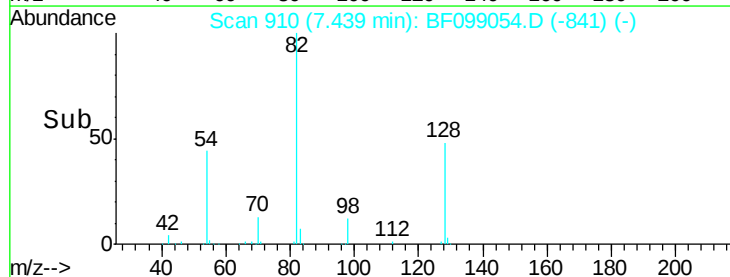
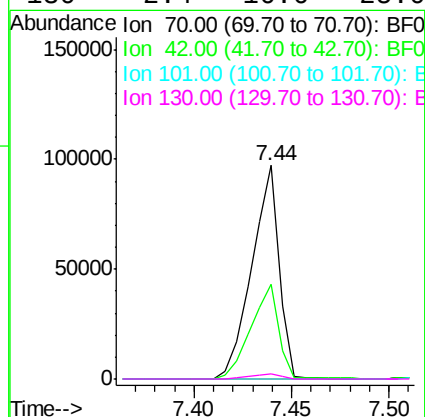
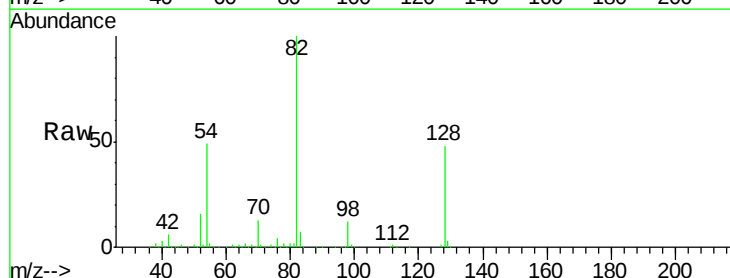
Ion Ratio Lower Upper

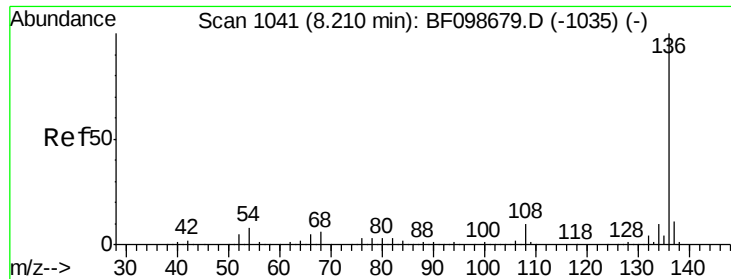
70 100

42 44.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

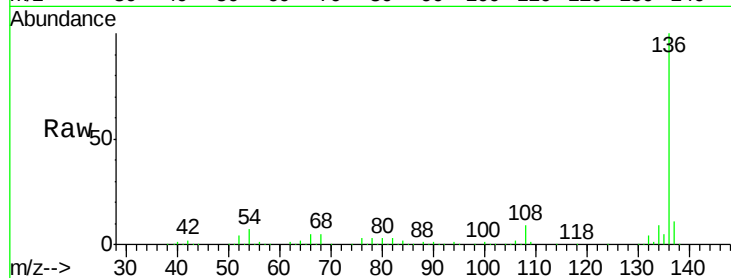




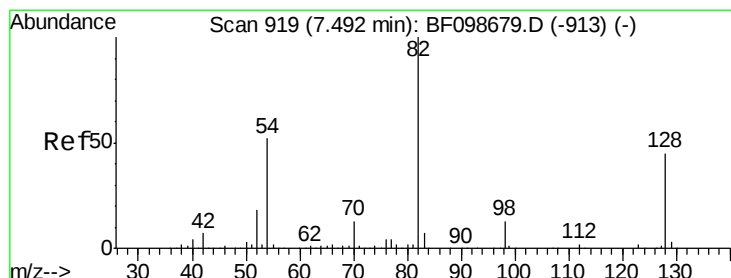
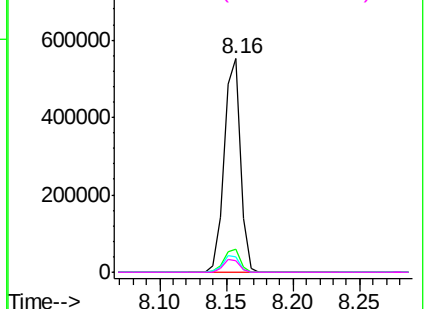
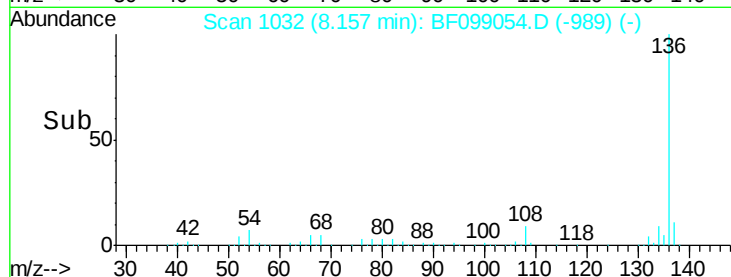
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF099054.D
Acq: 4 Oct 2017 2:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	477158
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	7.0	6.6 9.8
68	5.5	5.0 7.4

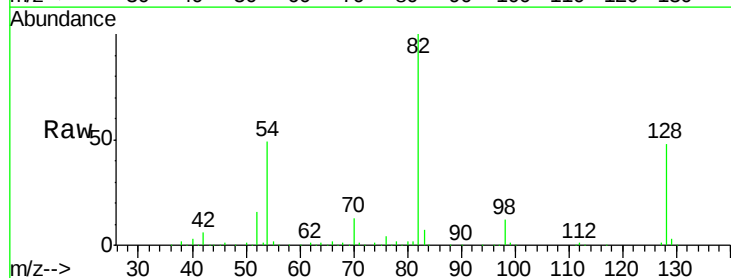


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

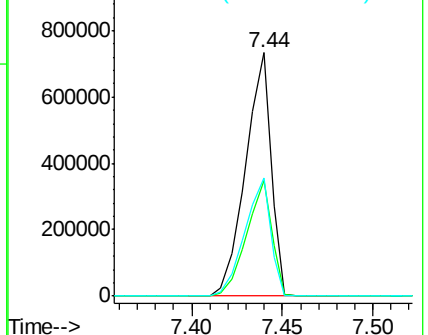
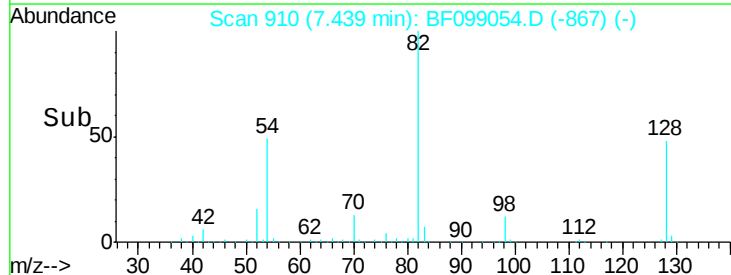


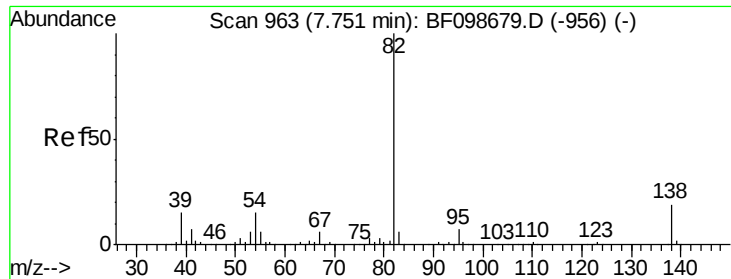
#23
Nitrobenzene-d5
Concen: 96.44 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.05 min
Lab File: BF099054.D
Acq: 4 Oct 2017 2:20

Tgt Ion: 82	Resp:	717574
Ion Ratio	Lower	Upper
82	100	
128	47.7	36.1 54.1
54	48.6	41.4 62.2



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

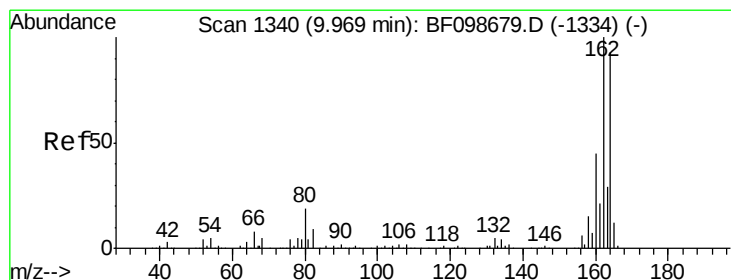
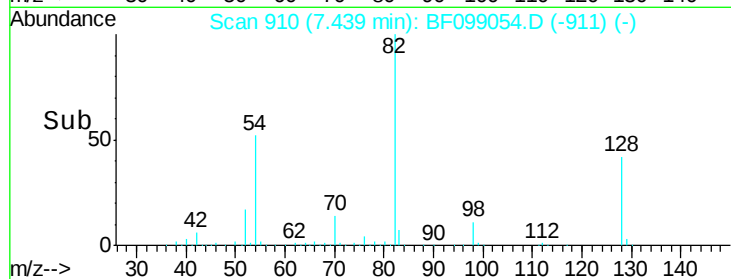
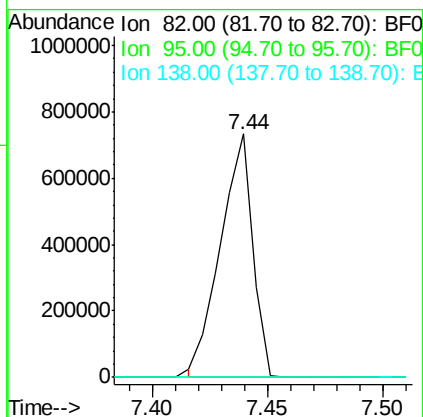
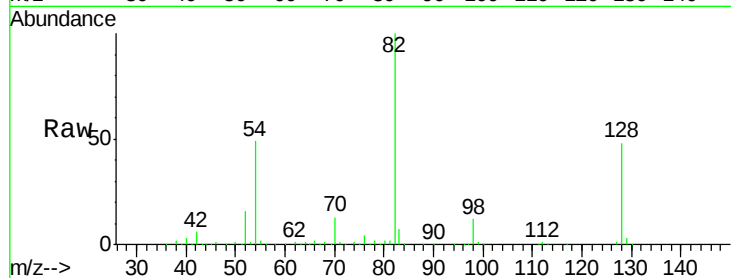




#25
Isophorone
Concen: 46.10 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.31 min
Lab File: BF099054.D
Acq: 4 Oct 2017 2:20

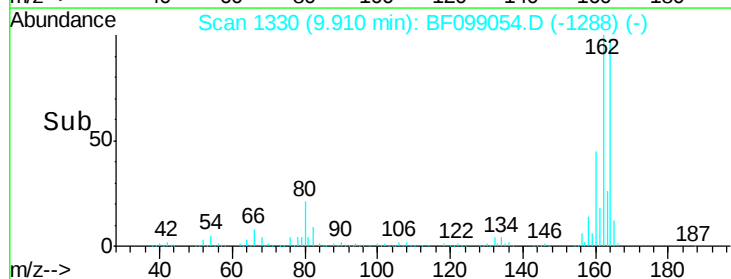
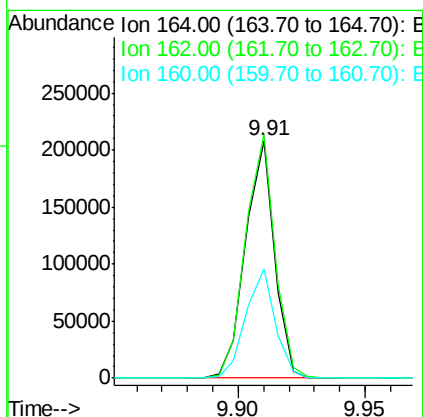
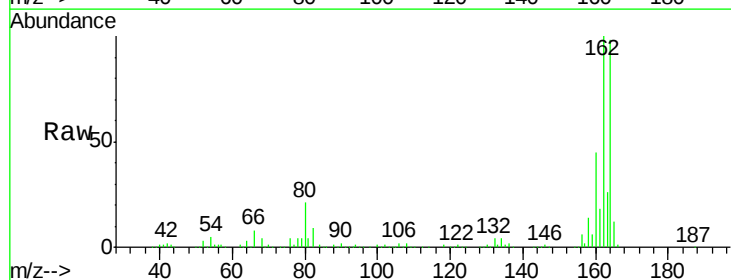
Instrument :
BNA_F
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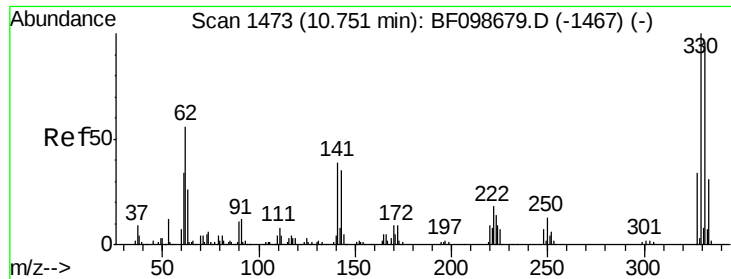
Tot Ion: 82 Resp: 709239
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.05 min
Lab File: BF099054.D
Acq: 4 Oct 2017 2:20

Tgt Ion:164 Resp: 165203
Ion Ratio Lower Upper
164 100
162 102.6 86.1 129.1
160 45.9 38.3 57.5

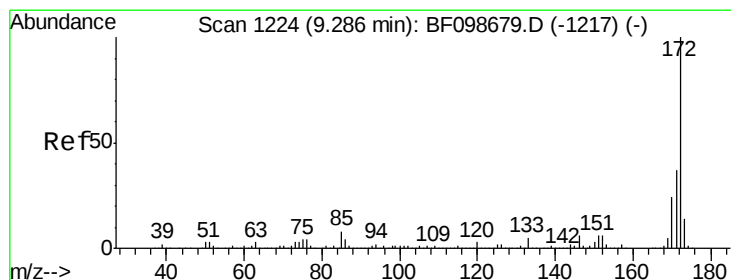
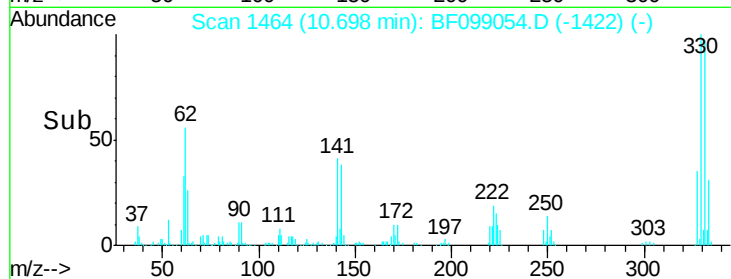
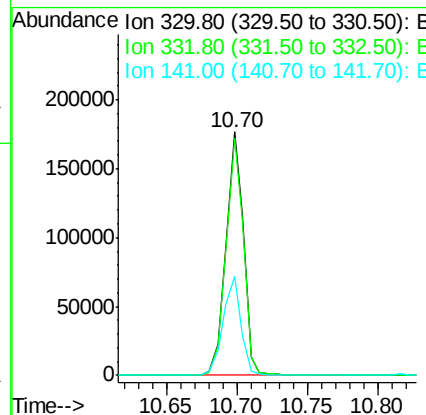
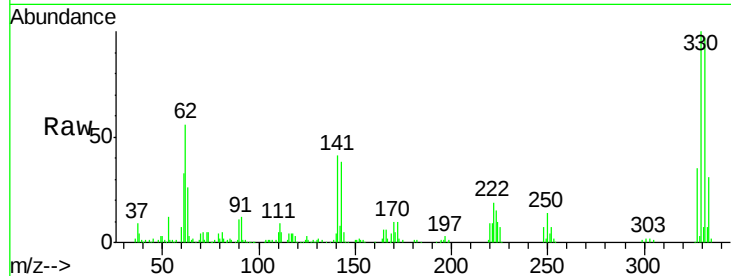




#41
 2,4,6-Tribromophenol
 Concen: 112.74 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.05 min
 Lab File: BF099054.D
 Acq: 4 Oct 2017 2:20

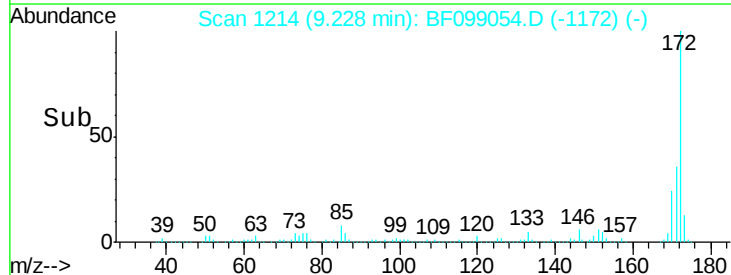
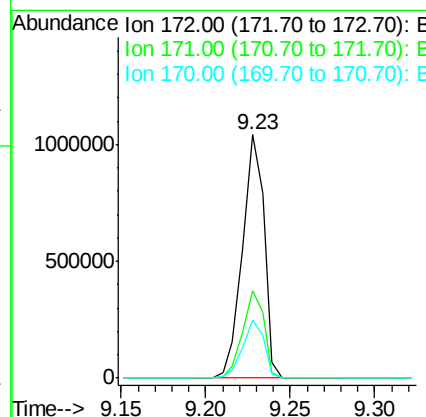
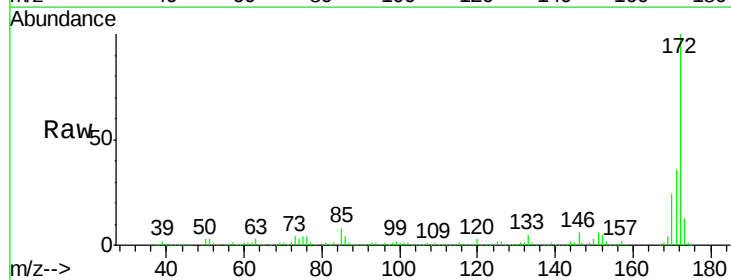
Instrument :
 BNA_F
 ClientSampleId :

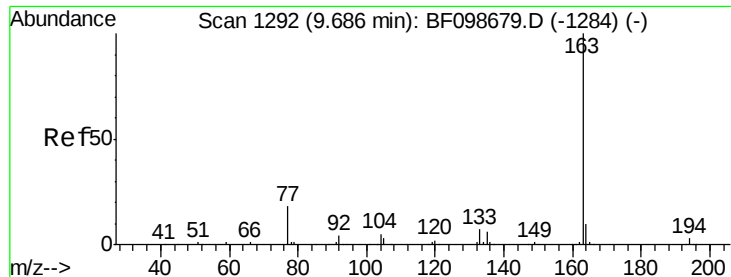
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	41.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 93.86 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.05 min
 Lab File: BF099054.D
 Acq: 4 Oct 2017 2:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.0	19.6	29.4

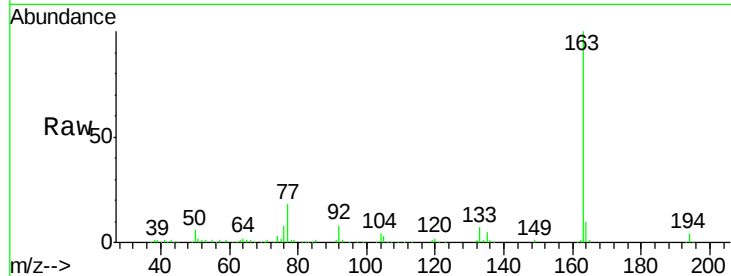




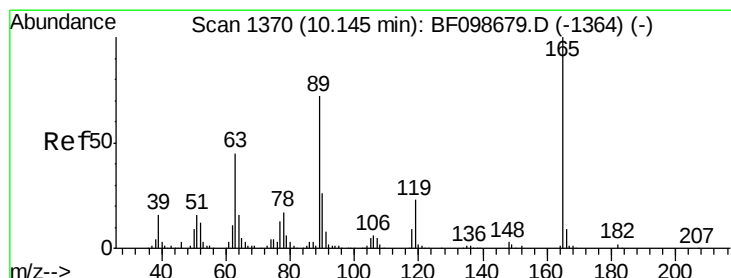
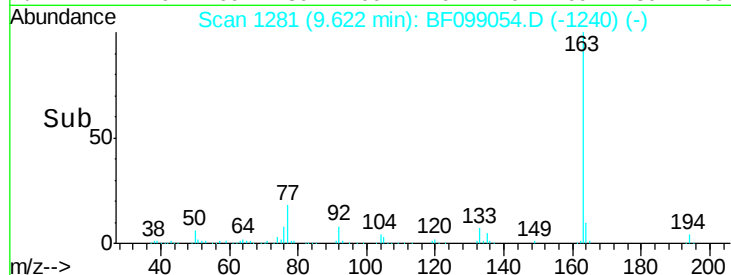
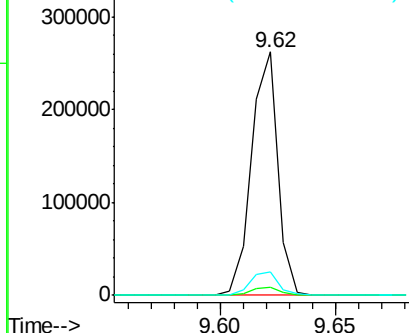
#49
Dimethylphthalate
Concen: 16.79 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.06 min
Lab File: BF099054.D
Acq: 4 Oct 2017 2:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.9	8.2	12.2



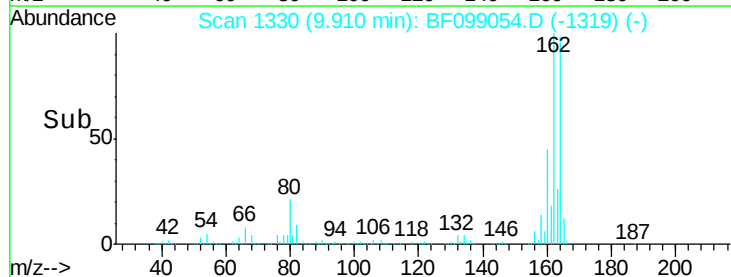
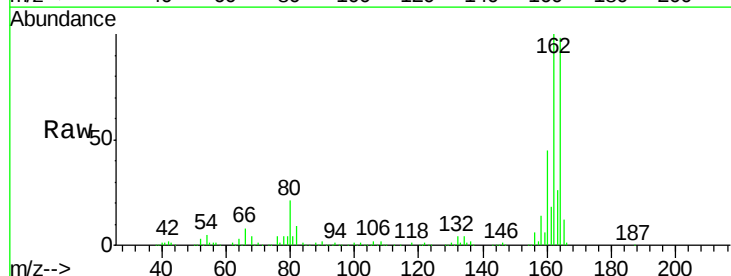
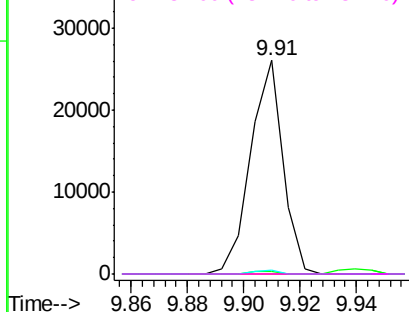
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

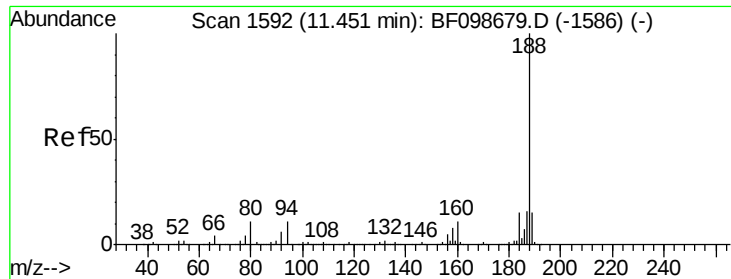


#56
2,4-Dinitrotoluene
Concen: 5.87 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.24 min
Lab File: BF099054.D
Acq: 4 Oct 2017 2:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.05 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

Instrument :

BNA_F

ClientSampleId :

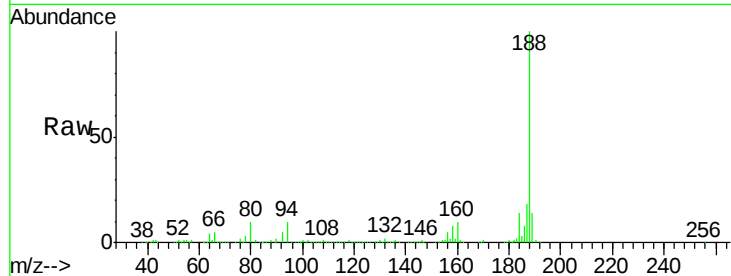
Tot Ion:188 Resp: 248076

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

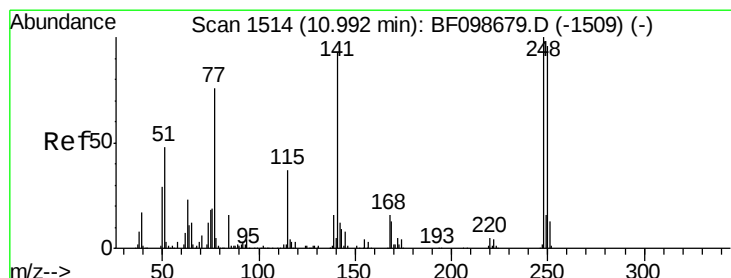
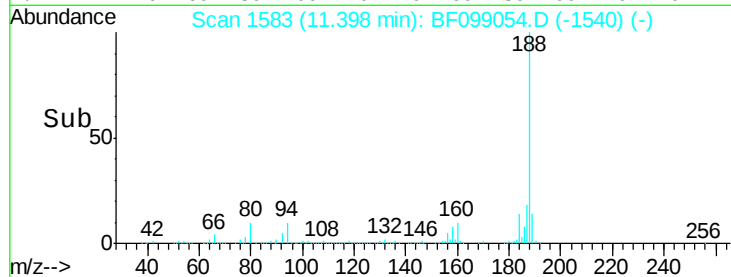
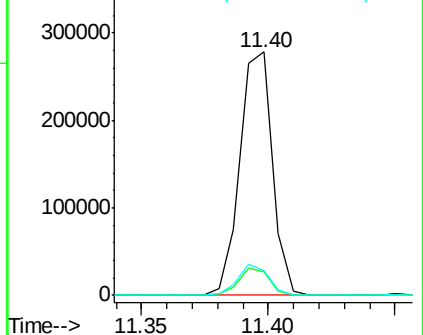
80 10.0 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 4.33 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.29 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

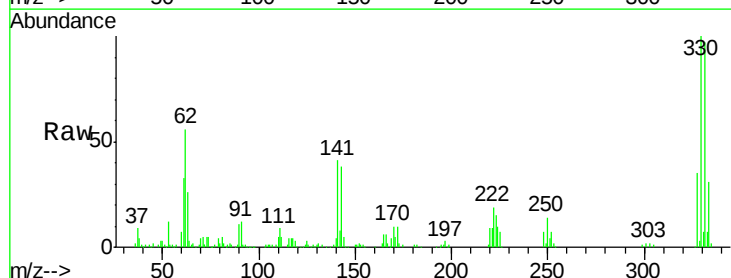
Tgt Ion:248 Resp: 10510

Ion Ratio Lower Upper

248 100

250 191.9 76.9 115.3#

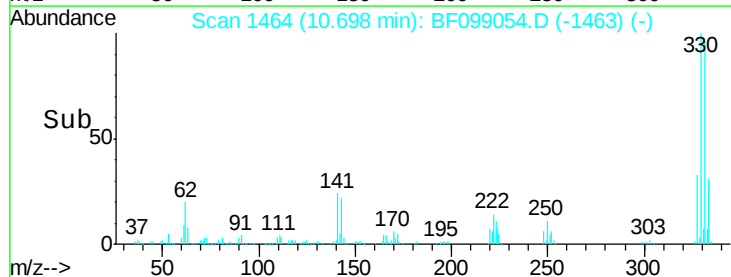
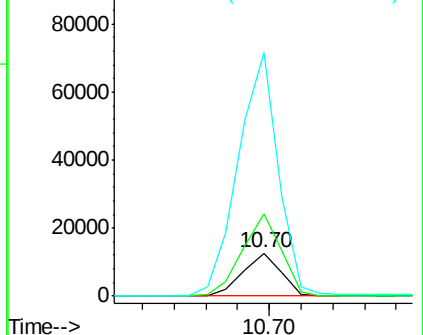
141 564.6 74.4 111.6#

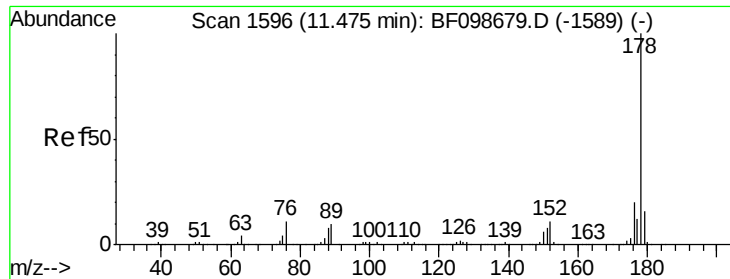


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

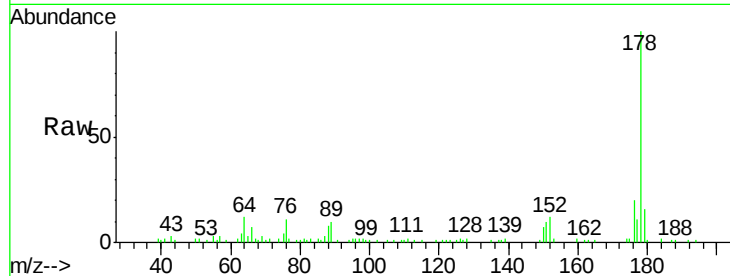




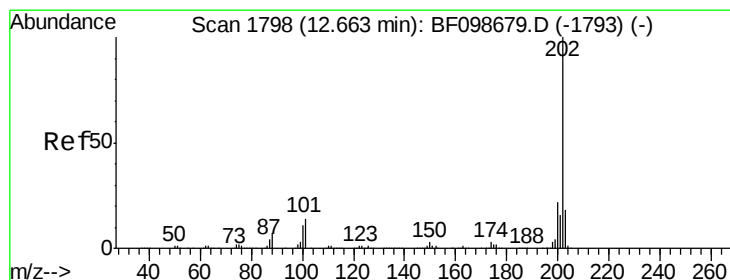
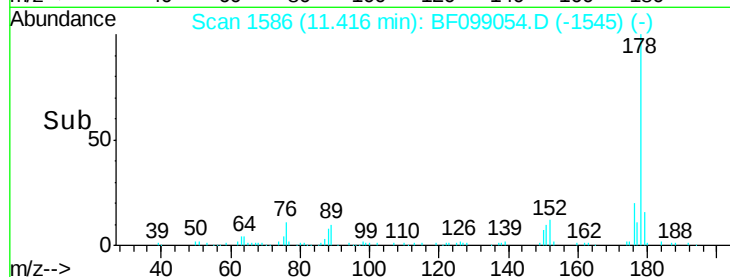
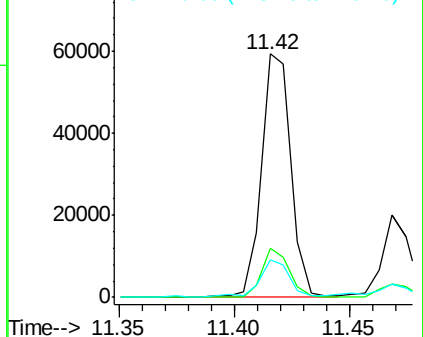
#70
Phenanthrene
Concen: 3.97 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.06 min
Lab File: BF099054.D
Acq: 4 Oct 2017 2:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 52734
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.5 13.0 19.6

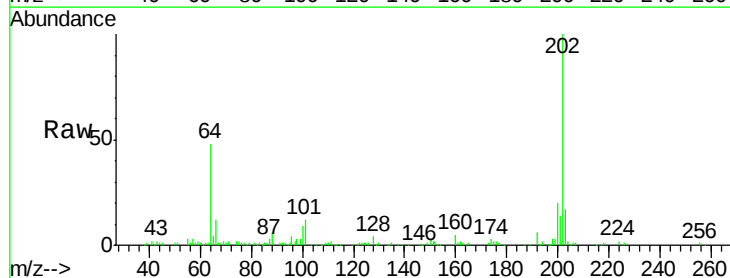


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

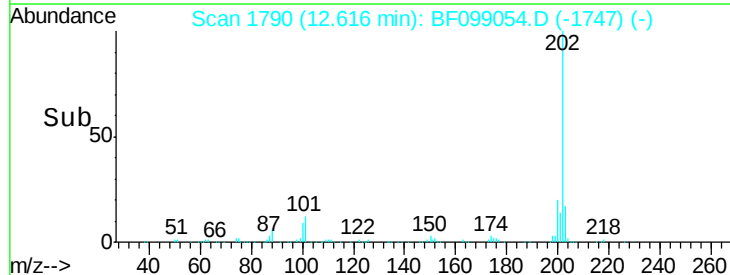
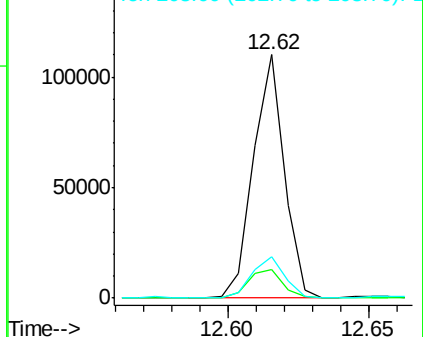


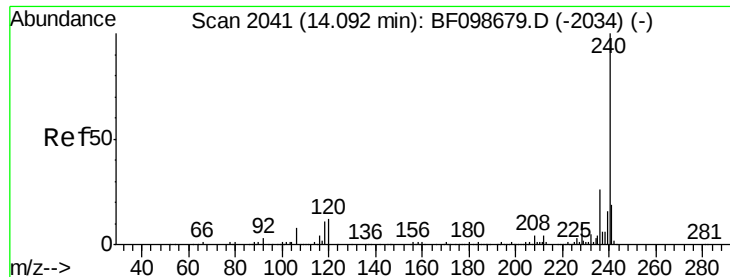
#74
Fluoranthene
Concen: 6.22 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.05 min
Lab File: BF099054.D
Acq: 4 Oct 2017 2:20

Tgt Ion:202 Resp: 83677
Ion Ratio Lower Upper
202 100
101 11.5 0.0 34.1
203 17.2 0.0 38.1



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: 14.03 min Scan# 2031

Delta R.T. -0.05 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

Instrument :

BNA_F

ClientSampleId :

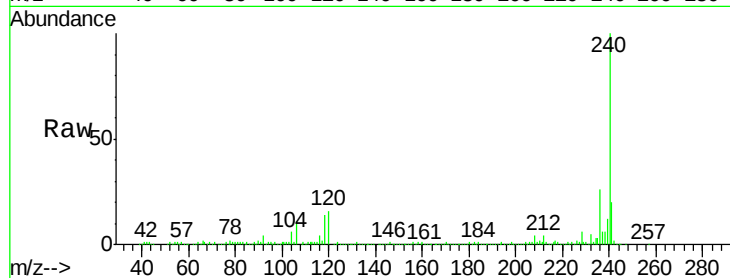
Tot Ion:240 Resp: 266756

Ion Ratio Lower Upper

240 100

120 15.9 9.5 14.3#

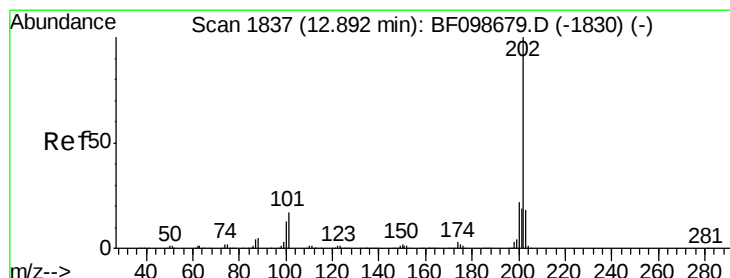
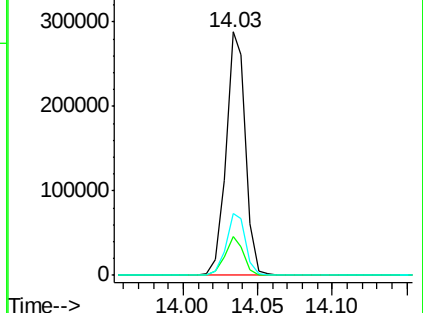
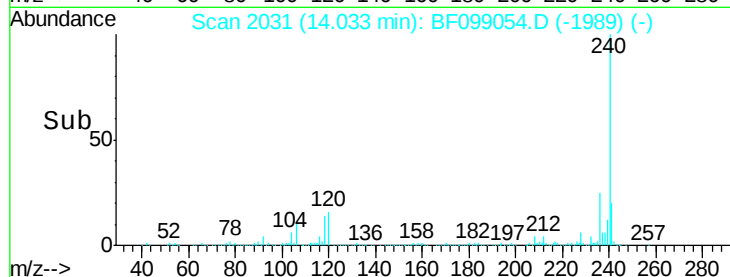
236 25.7 20.7 31.1



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: 3.98 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.05 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

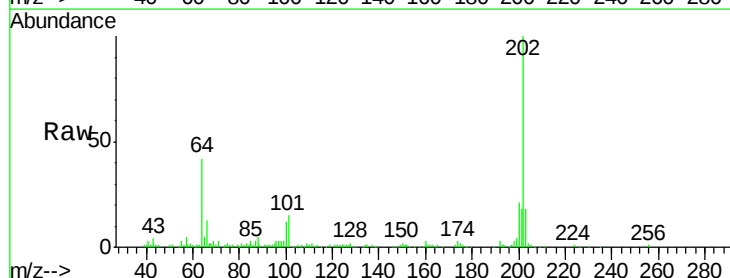
Tgt Ion:202 Resp: 81003

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

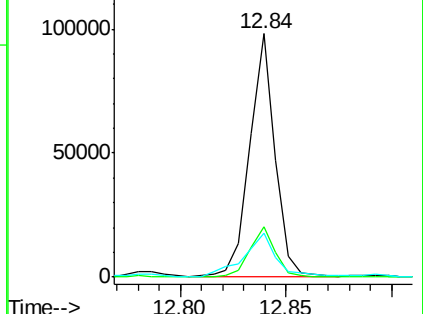
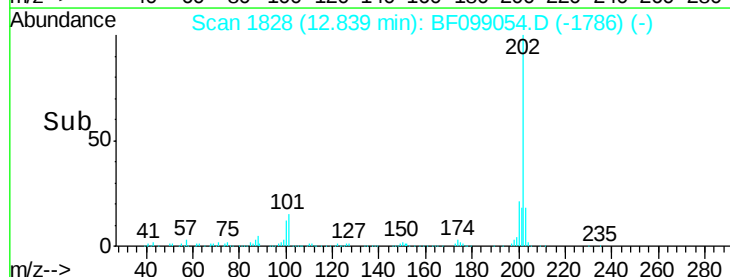
203 18.0 14.3 21.5

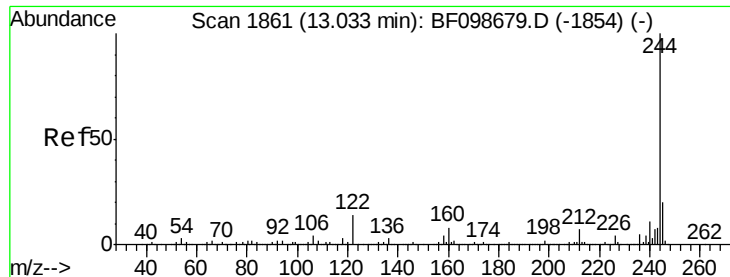


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.97 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.05 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

Instrument :

BNA_F

ClientSampleId :

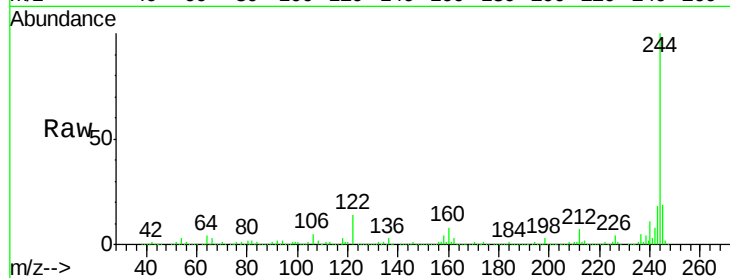
Tot Ion:244 Resp: 679960

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

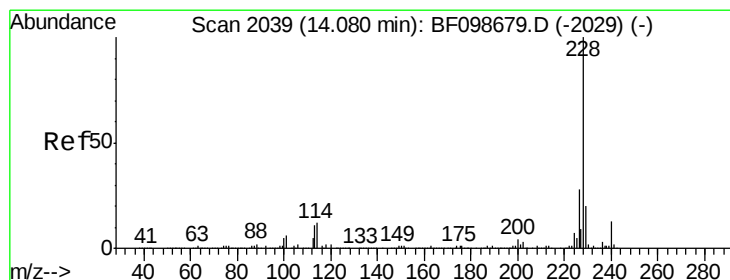
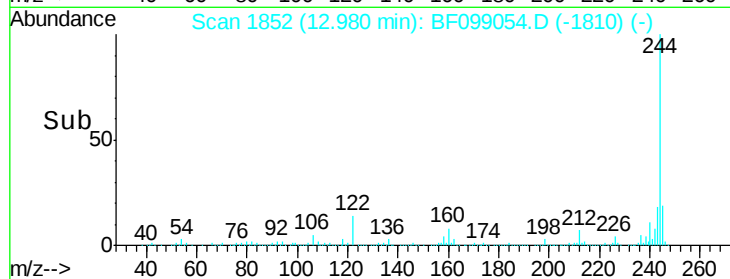
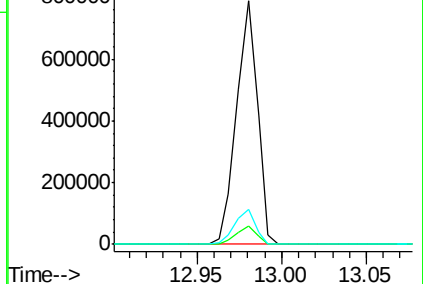
122 14.3 11.0 16.4



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: 2.88 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.05 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

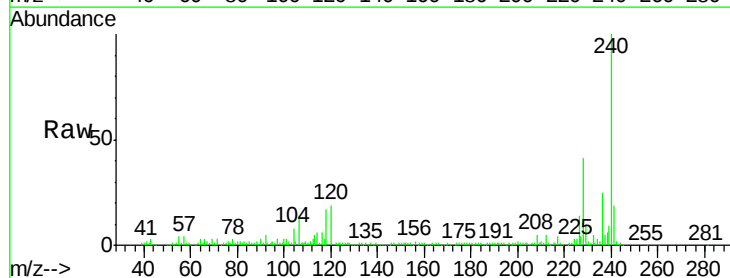
Tgt Ion:228 Resp: 46564

Ion Ratio Lower Upper

228 100

226 33.3 22.6 33.8

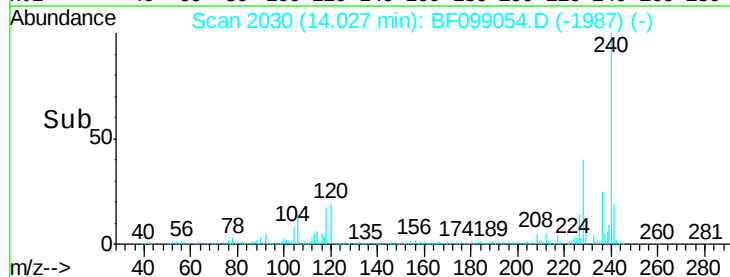
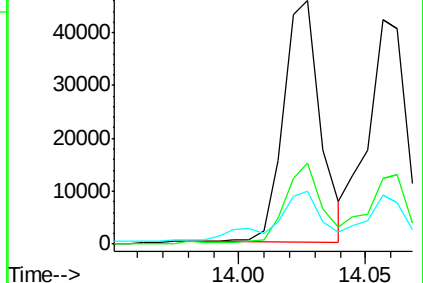
229 21.9 15.8 23.6

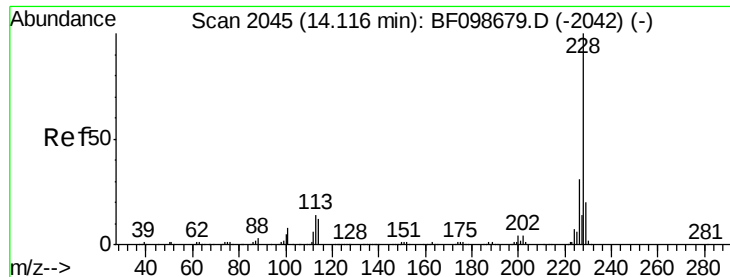


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.89 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.06 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

Instrument :

BNA_F

ClientSampleId :

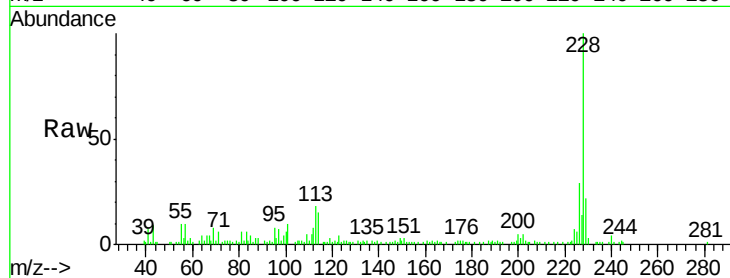
Tot Ion:228 Resp: 44371

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

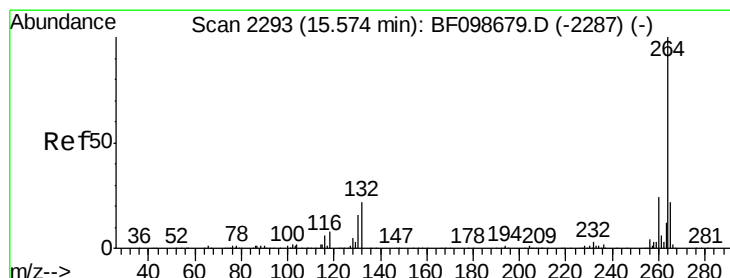
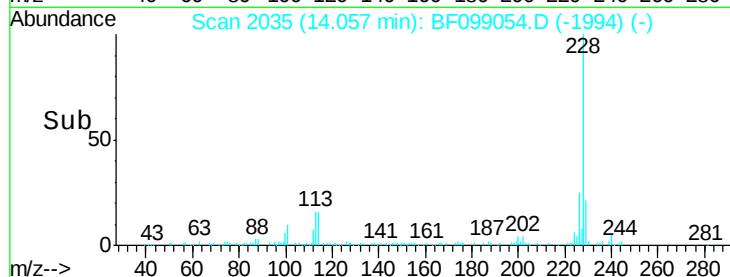
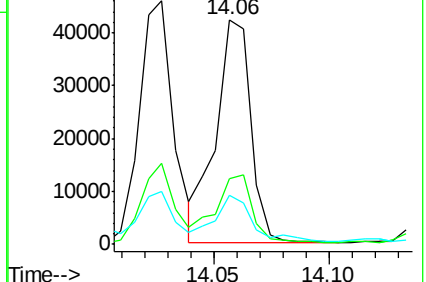
229 21.6 16.2 24.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.06 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

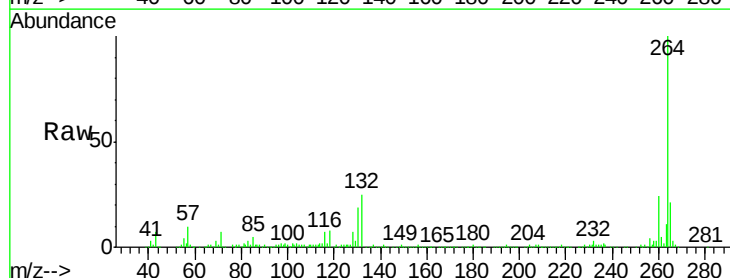
Tgt Ion:264 Resp: 269623

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

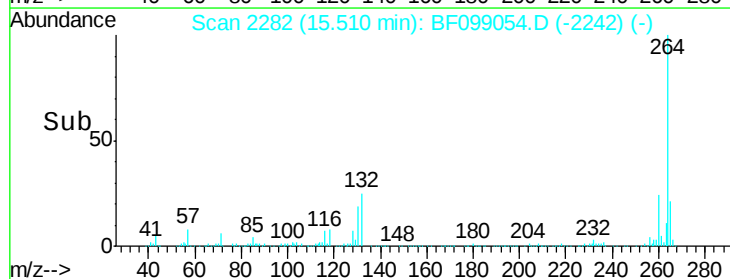
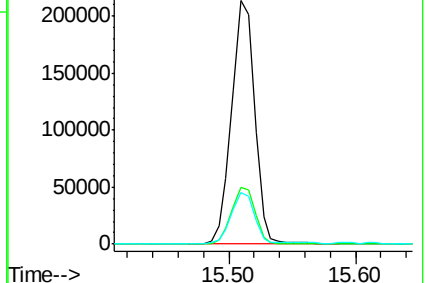
265 21.5 17.5 26.3

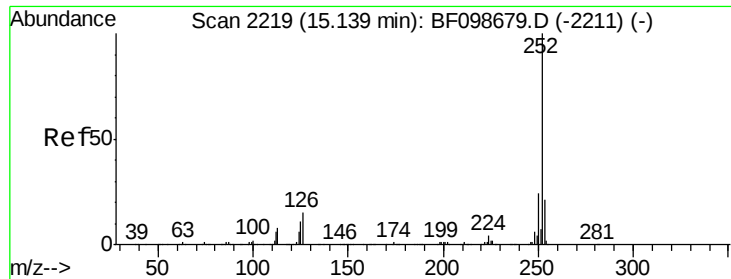


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

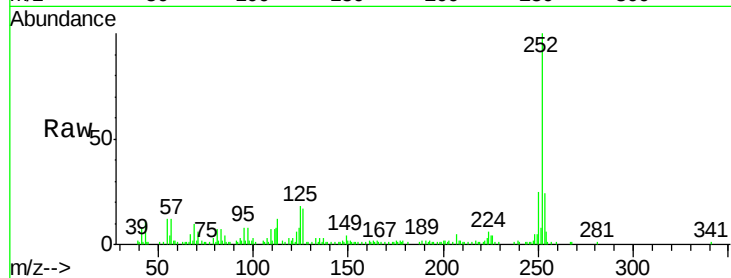




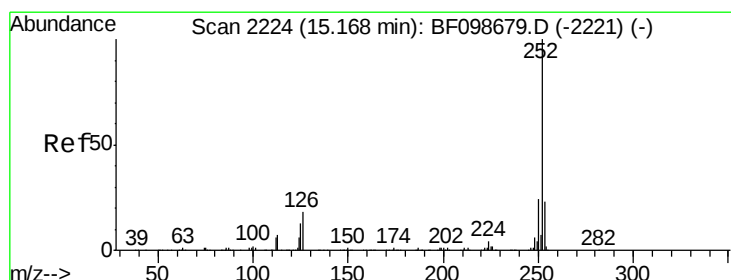
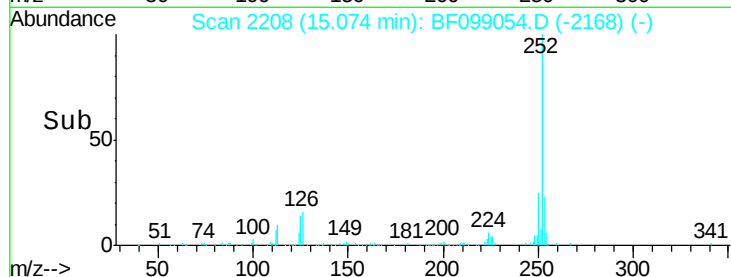
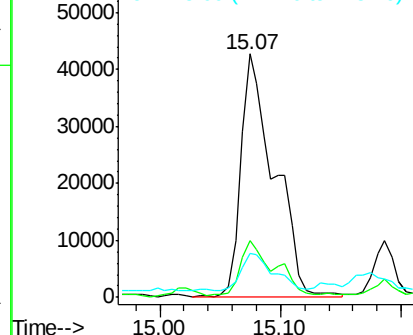
#87
Benzo(b)fluoranthene
Concen: 5.01 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.06 min
Lab File: BF099054.D
Acq: 4 Oct 2017 2:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 83085
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 17.8 9.0 13.6#

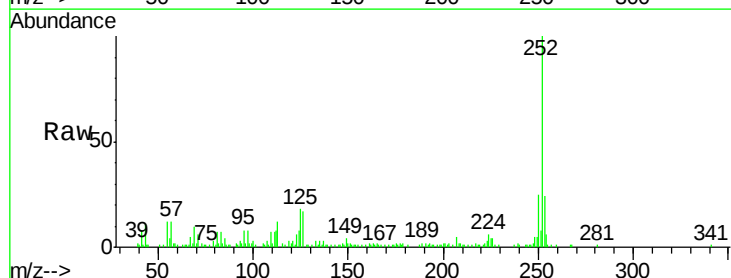


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

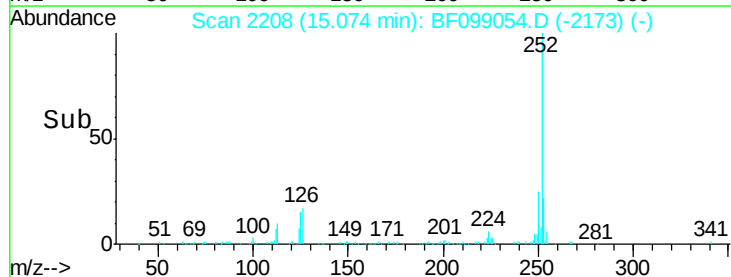
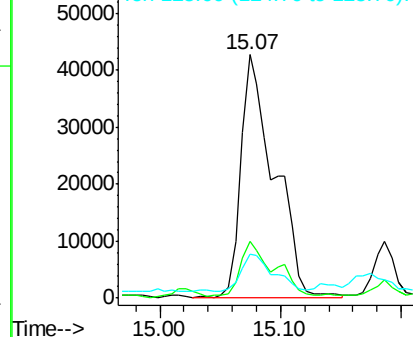


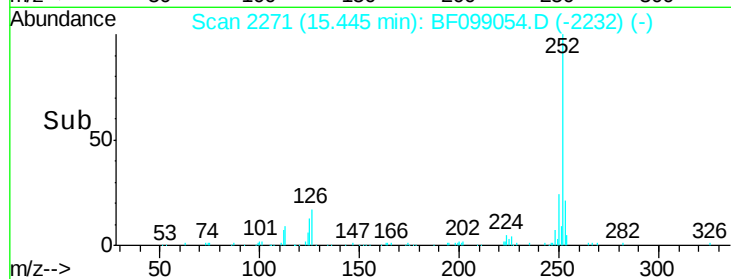
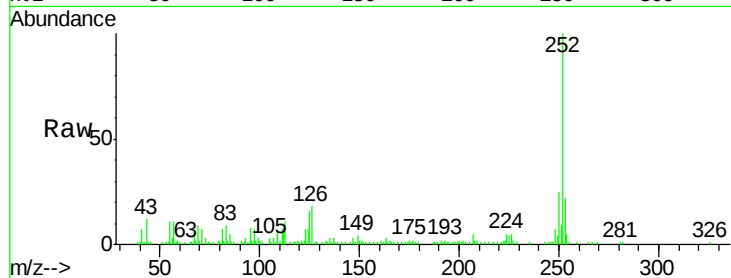
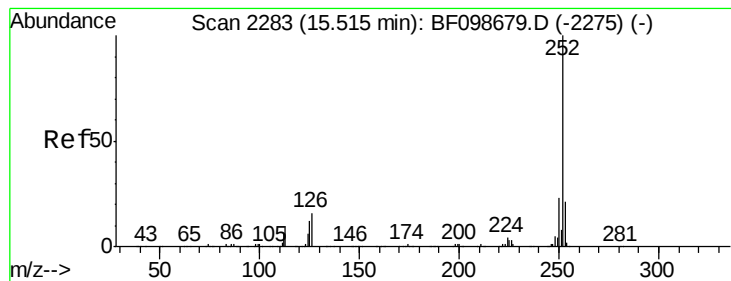
#88
Benzo(k)fluoranthene
Concen: 5.07 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.09 min
Lab File: BF099054.D
Acq: 4 Oct 2017 2:20

Tgt Ion:252 Resp: 83085
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 17.8 10.2 15.2#



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: 3.00 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.07 min

Lab File: BF099054.D

Acq: 4 Oct 2017 2:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 45618

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 15.8 9.8 14.6#

