

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\
 Data File : BF099569.D
 Acq On : 17 Oct 2017 2:52
 Operator : SJ/JU
 Sample : I5752-10RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 17 03:44:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	99429	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	400421	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	167863	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	247550	20.00	ng	0.00
75) Chrysene-d12	14.02	240	177968	20.00	ng	0.00
86) Perylene-d12	15.49	264	189713	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	704798	112.84	ng	0.00
7) Phenol-d6	6.48	99	838890	108.88	ng	0.00
23) Nitrobenzene-d5	7.41	82	493202	78.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	144401	105.13	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	854343	84.97	ng	-0.01
78) Terphenyl-d14	12.95	244	535351	68.41	ng	0.00

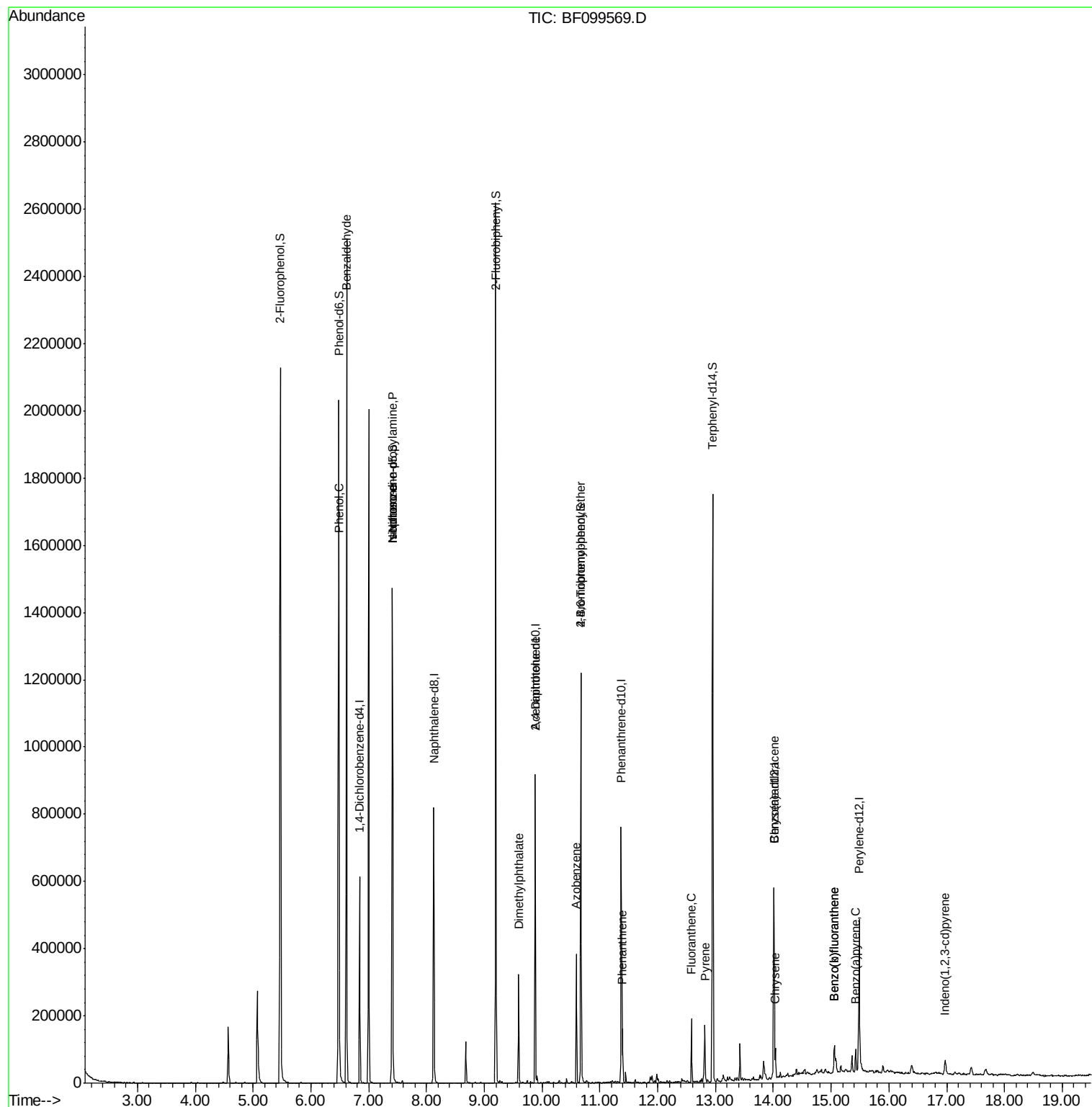
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	13048	2.92	ng	90
10) Phenol	6.49	94	50887	5.91	ng	97
19) n-Nitroso-di-n-propylamine	7.41	70	62270	12.66	ng	# 73
25) Isophorone	7.41	82	493200	38.21	ng	# 64
49) Dimethylphthalate	9.59	163	127774	10.09	ng	98
56) 2,4-Dinitrotoluene	9.88	165	21371	5.97	ng	# 23
62) Azobenzene	10.59	77	60809	5.34	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	9550	3.94	ng	# 1
70) Phenanthrene	11.39	178	54402	4.11	ng	96
74) Fluoranthene	12.59	202	74800	5.57	ng	97
77) Pyrene	12.82	202	68178	5.02	ng	98
80) Benzo(a)anthracene	14.00	228	36216	3.36	ng	97
82) Chrysene	14.04	228	29541	2.88	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	18374	2.24	ng	96
87) Benzo(b)fluoranthene	15.06	252	57457	4.93	ng	# 95
88) Benzo(k)fluoranthene	15.06	252	57457	4.99	ng	# 96
89) Benzo(a)pyrene	15.43	252	31469	2.94	ng	# 92

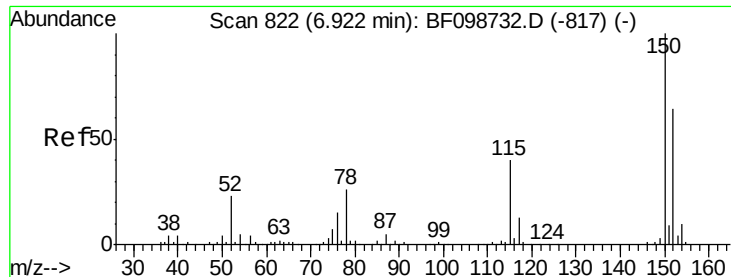
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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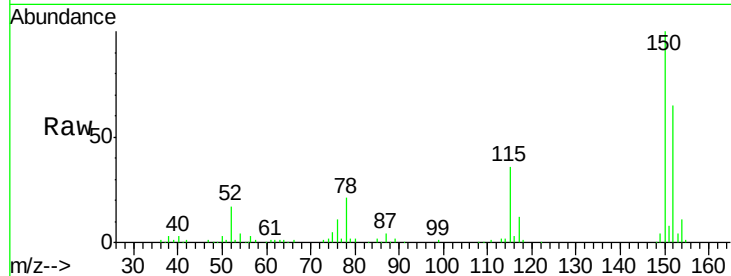


#1

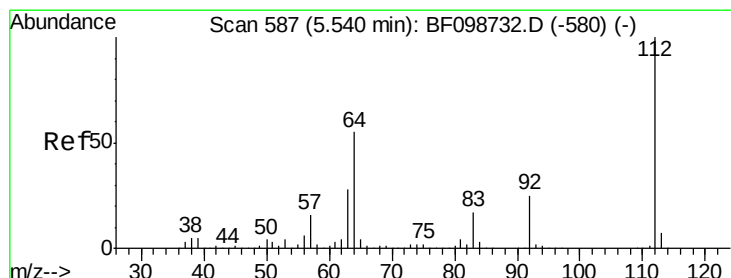
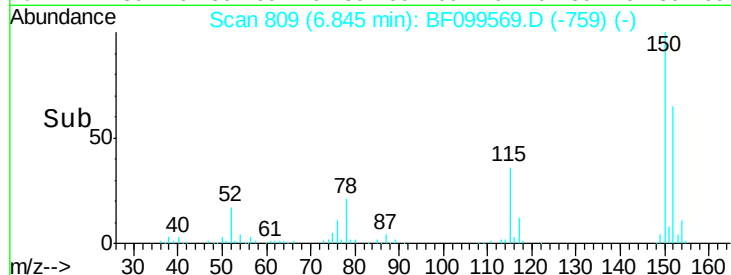
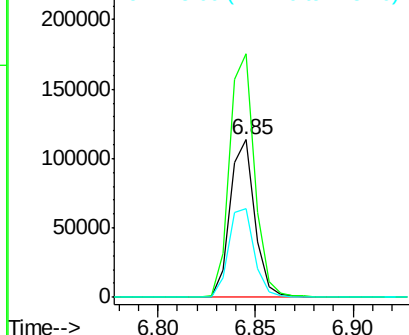
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 99429
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 56.2 50.1 75.1



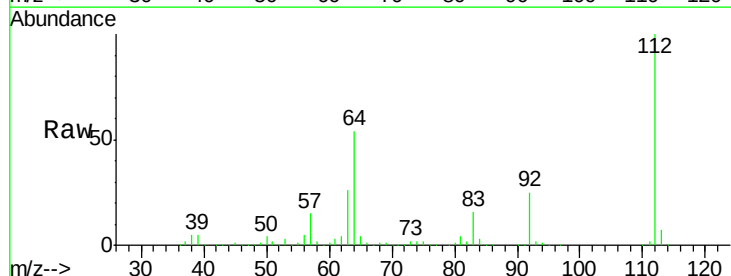
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



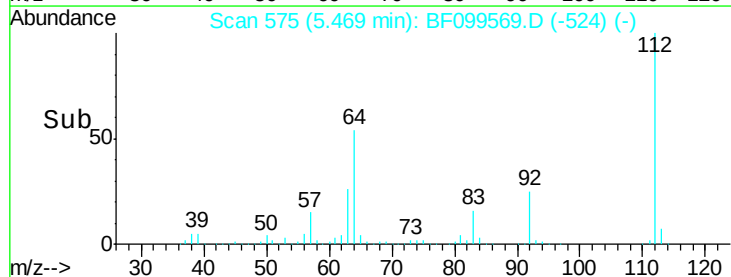
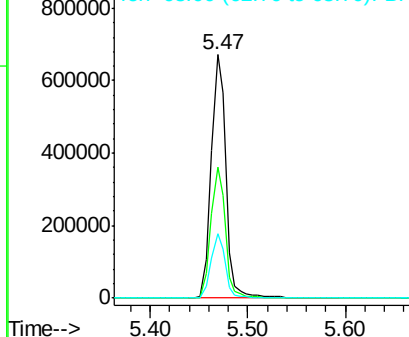
#5

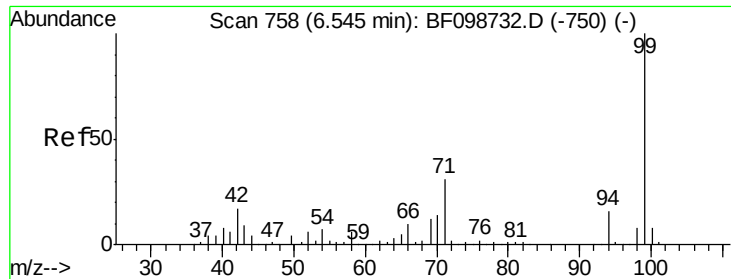
2-Fluorophenol
Concen: 112.84 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

Tgt Ion:112 Resp: 704798
Ion Ratio Lower Upper
112 100
64 54.0 47.9 71.9
63 26.4 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: 108.88 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099569.D

Acq: 17 Oct 2017 2:52

Instrument :

BNA_F

ClientSampled :

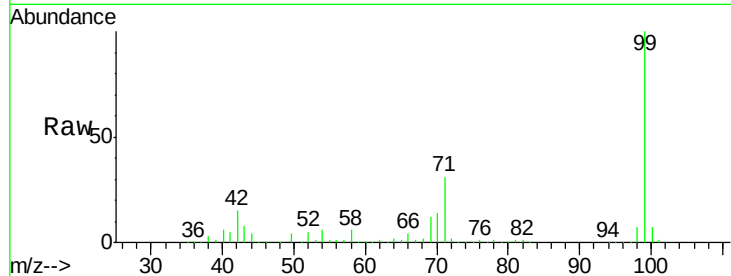
Tot Ion: 99 Resp: 838890

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

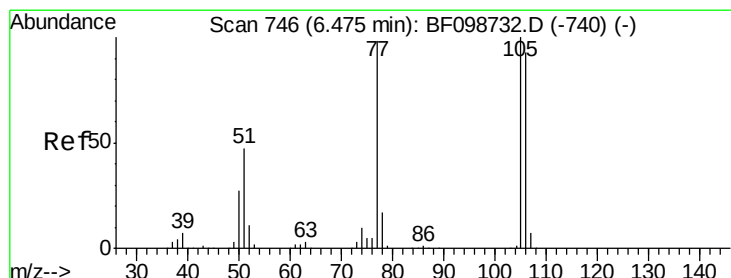
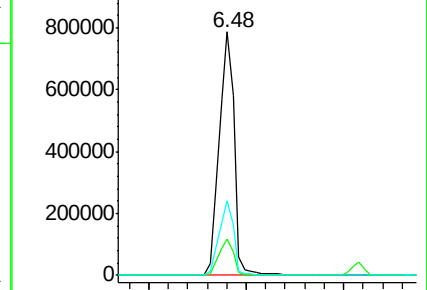
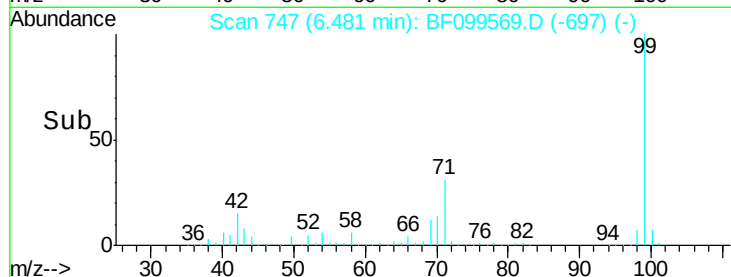
71 30.7 25.4 38.0



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: 2.92 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF099569.D

Acq: 17 Oct 2017 2:52

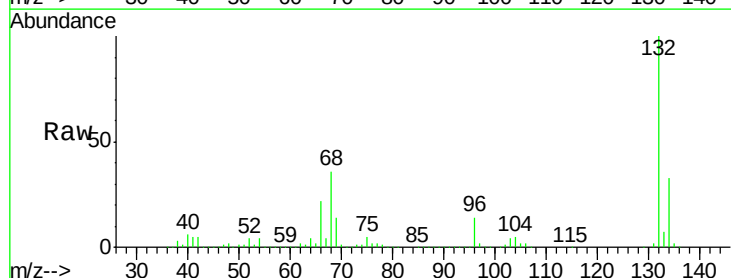
Tgt Ion: 77 Resp: 13048

Ion Ratio Lower Upper

77 100

105 91.0 81.1 121.1

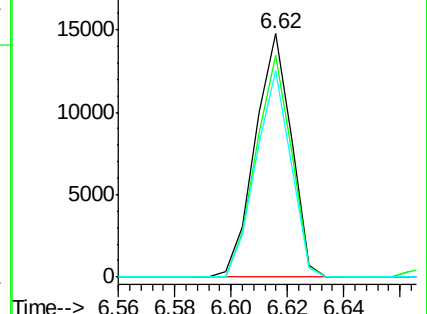
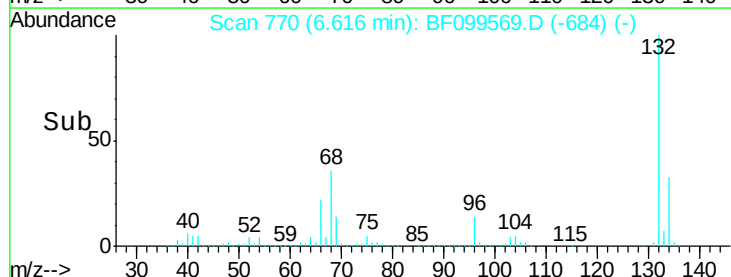
106 84.9 74.5 114.5

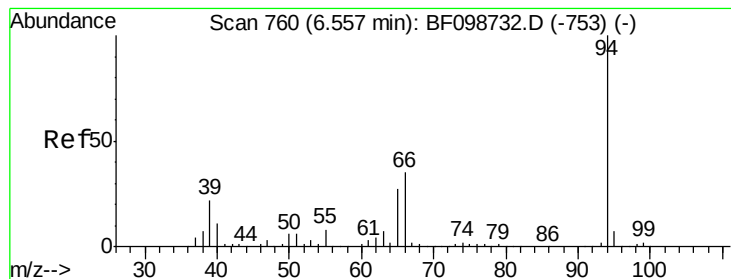


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.91 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099569.D

Acq: 17 Oct 2017 2:52

Instrument :

BNA_F

ClientSampled :

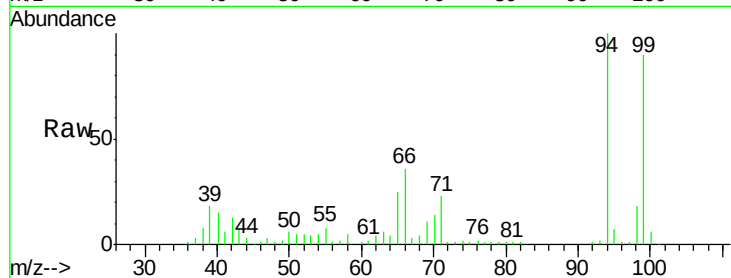
Tot Ion: 94 Resp: 50887

Ion Ratio Lower Upper

94 100

65 25.2 7.9 47.9

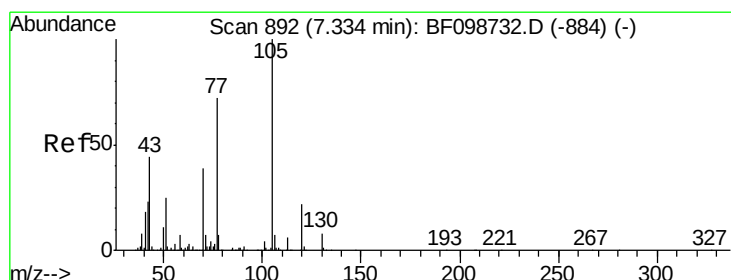
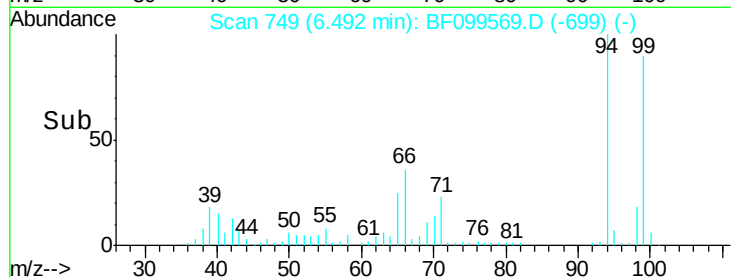
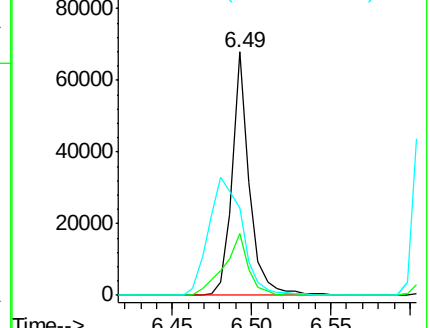
66 35.8 16.2 56.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.66 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF099569.D

Acq: 17 Oct 2017 2:52

Tgt Ion: 70 Resp: 62270

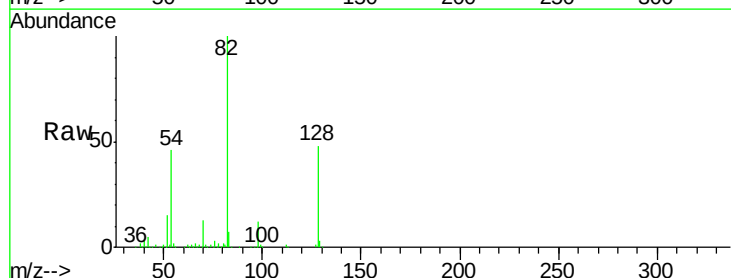
Ion Ratio Lower Upper

70 100

42 42.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

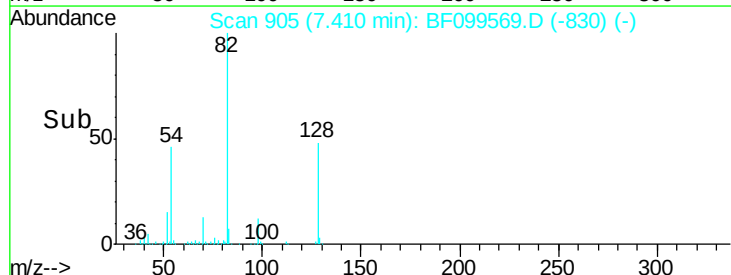
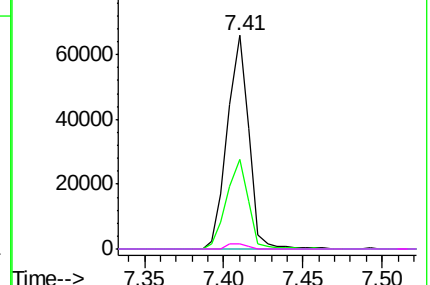


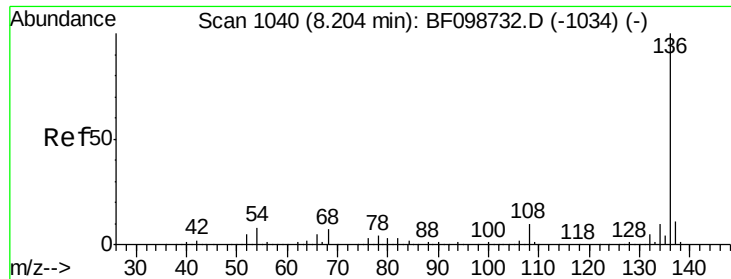
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

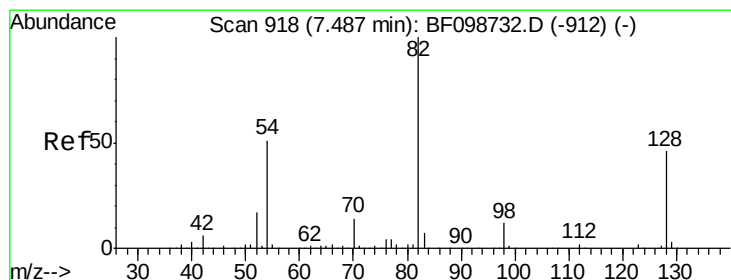
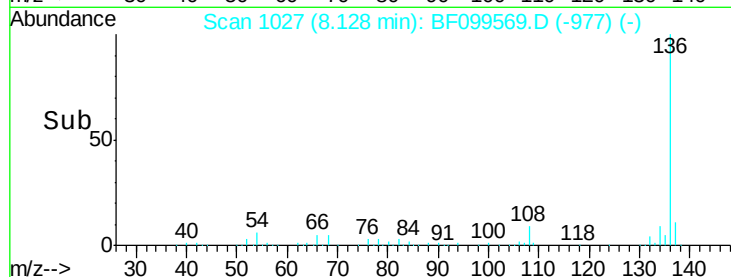
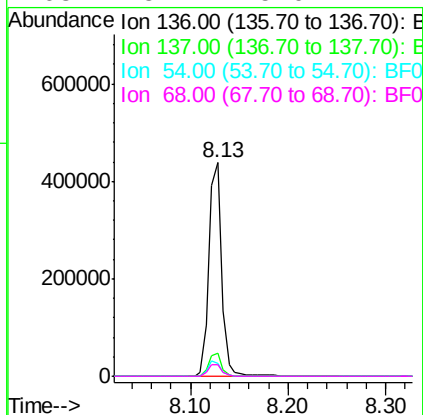
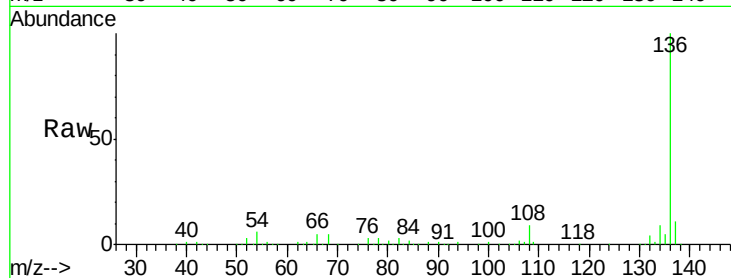




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

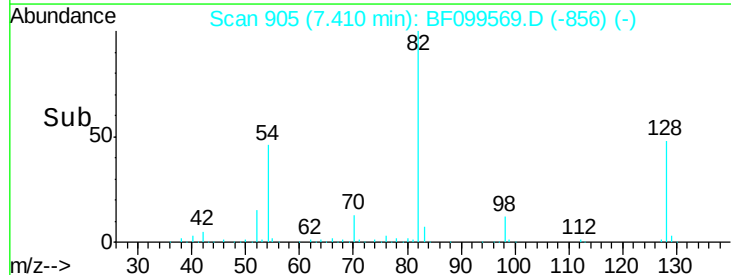
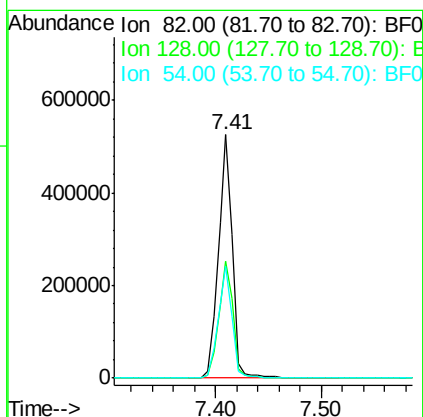
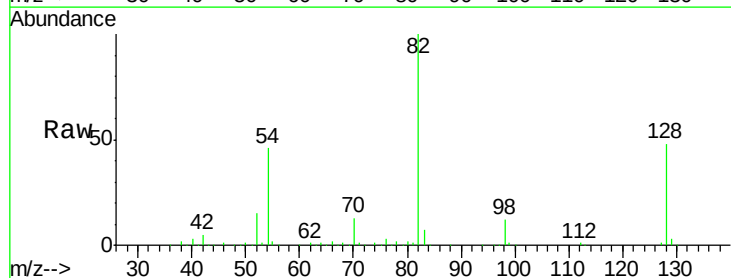
Instrument :
BNA_F
ClientSampleId :

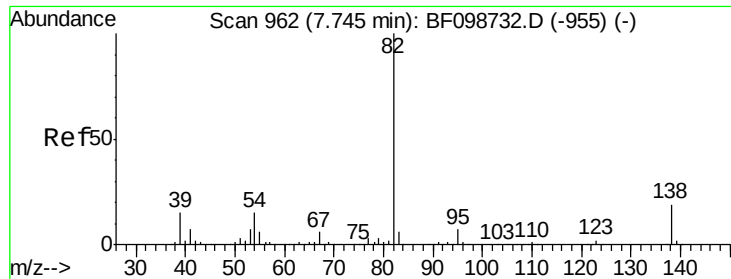
Tot Ion:136	Resp:	400421
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	5.9	6.6 9.8#
68	5.4	5.0 7.4



#23
Nitrobenzene-d5
Concen: 78.99 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

Tgt Ion: 82	Resp:	493202
Ion Ratio	Lower	Upper
82	100	
128	48.2	36.1 54.1
54	45.9	41.4 62.2





#25

Isophorone

Concen: 38.21 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099569.D

Acq: 17 Oct 2017 2:52

Instrument :

BNA_F

ClientSampleId :

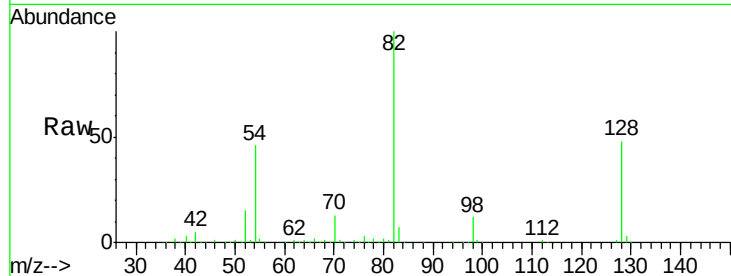
Tot Ion: 82 Resp: 493200

Ion Ratio Lower Upper

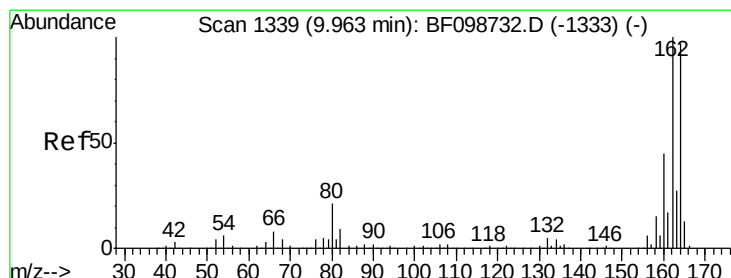
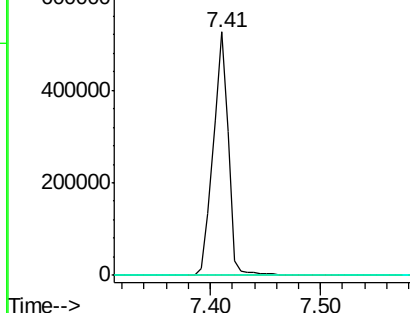
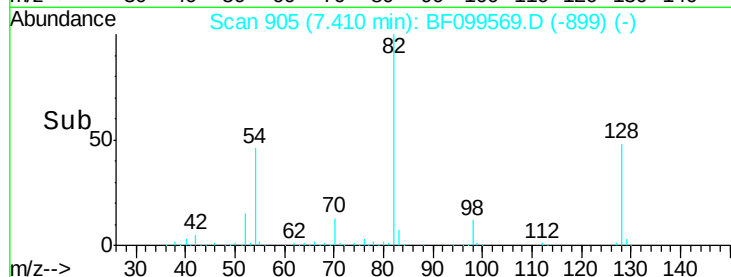
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF099569.D

Acq: 17 Oct 2017 2:52

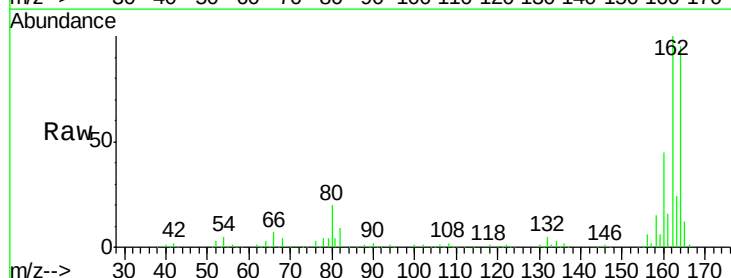
Tgt Ion:164 Resp: 167863

Ion Ratio Lower Upper

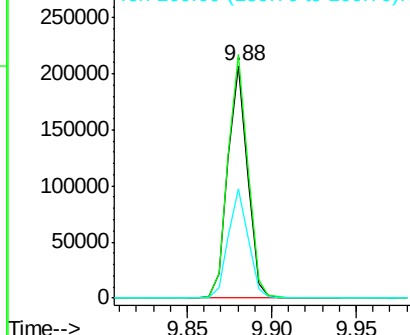
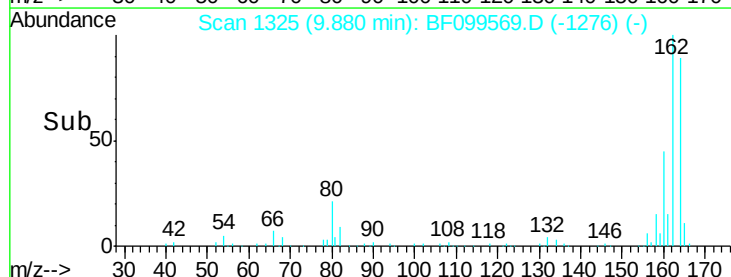
164 100

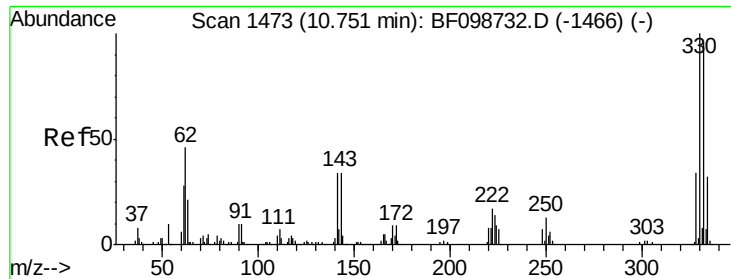
162 104.8 86.1 129.1

160 47.0 38.3 57.5



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

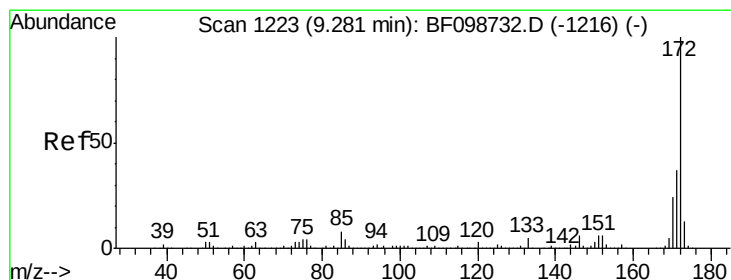
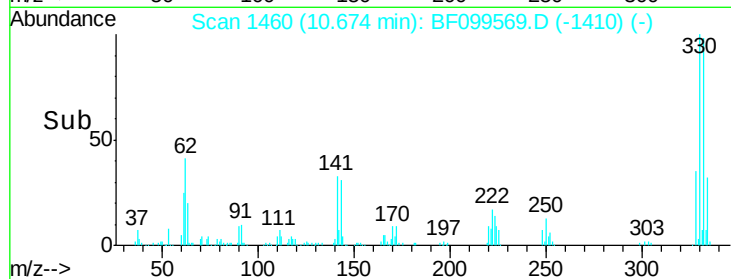
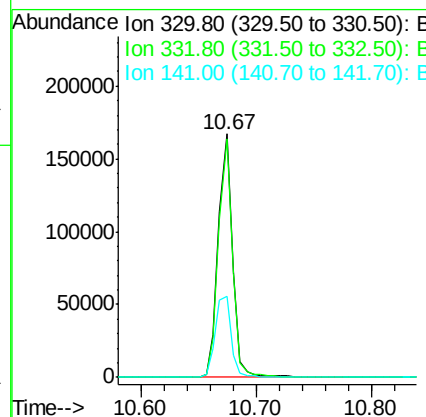
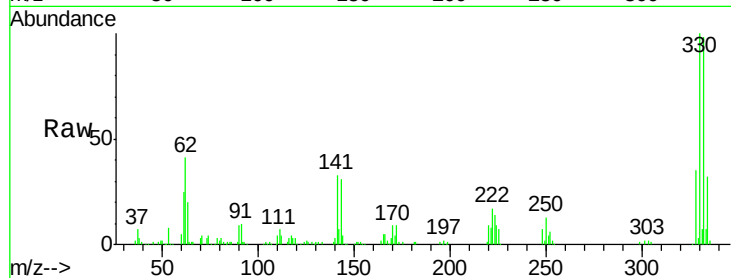




#41
 2,4,6-Tribromophenol
 Concen: 105.13 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099569.D
 Acq: 17 Oct 2017 2:52

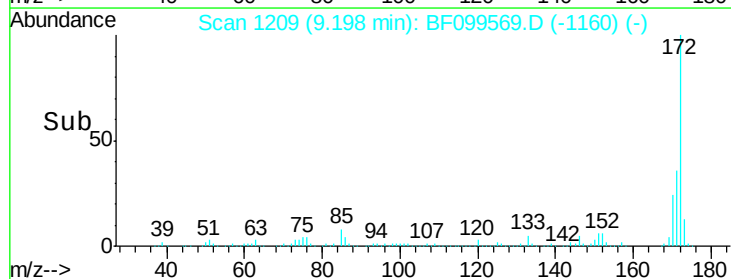
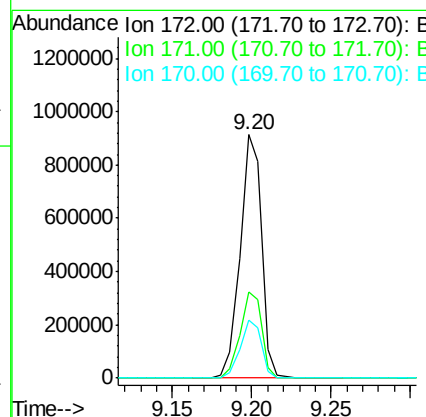
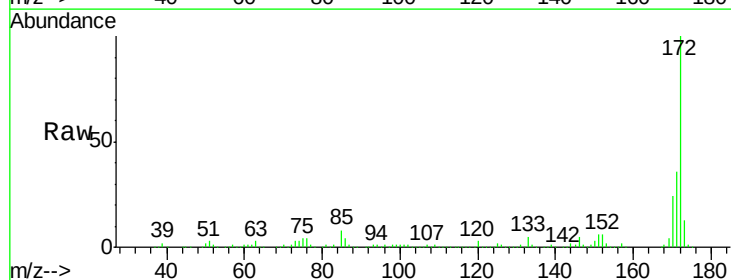
Instrument :
 BNA_F
 ClientSampled :

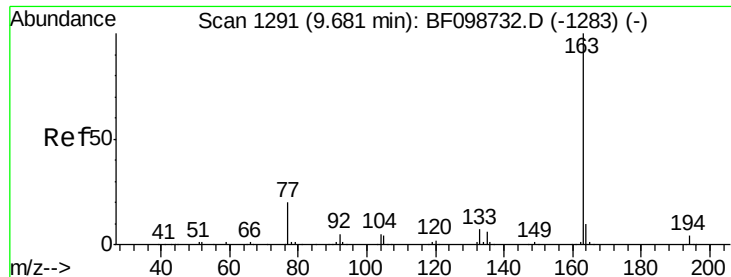
Tot Ion:330 Resp: 144401
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 37.6 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 84.97 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF099569.D
 Acq: 17 Oct 2017 2:52

Tgt Ion:172 Resp: 854343
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 24.0 19.6 29.4

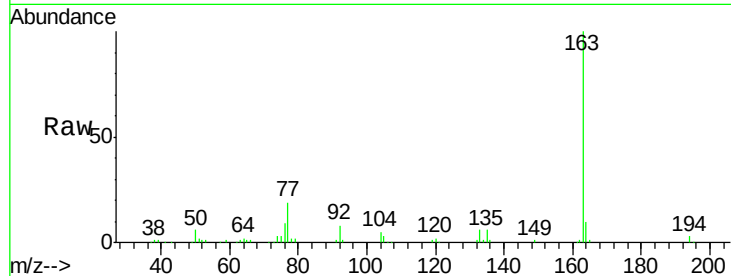




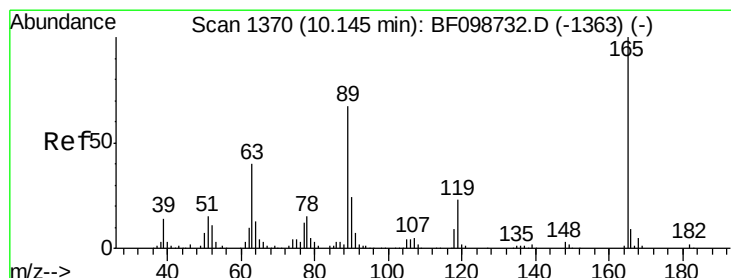
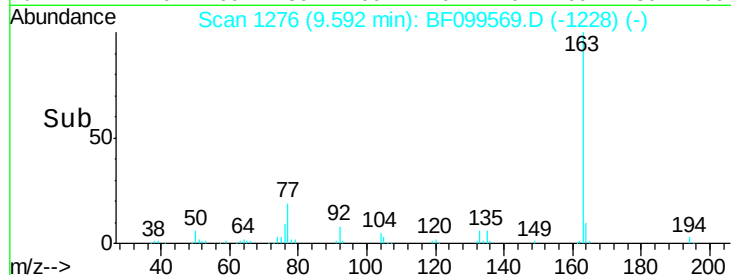
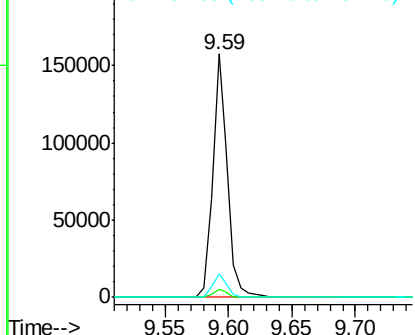
#49
Dimethylphthalate
Concen: 10.09 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 127774
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 9.5 8.2 12.2

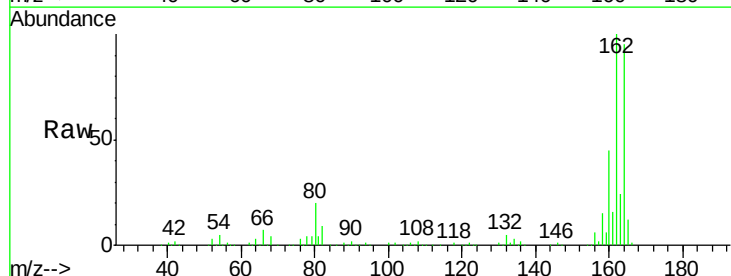


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

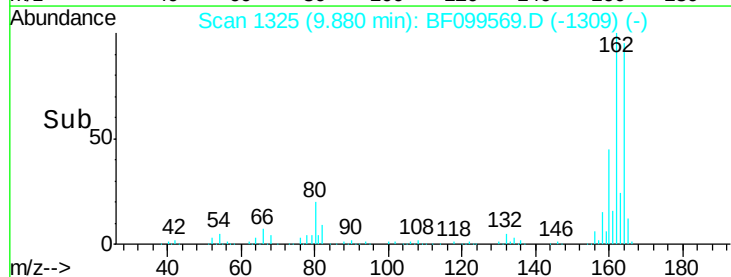
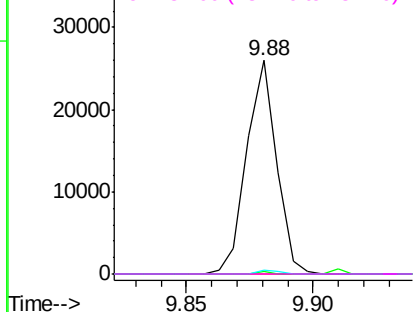


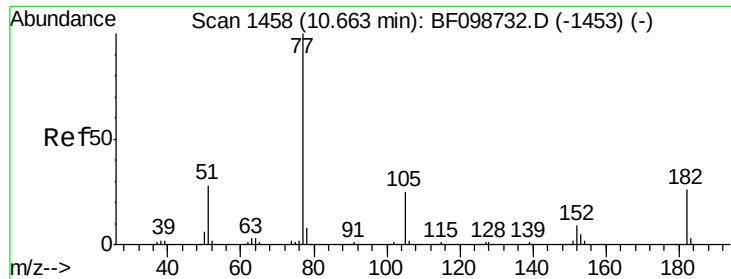
#56
2,4-Dinitrotoluene
Concen: 5.97 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.21 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

Tgt Ion:165 Resp: 21371
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.5 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





#62

Azobenzene

Concen: 5.34 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BF099569.D

Acq: 17 Oct 2017 2:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 60809

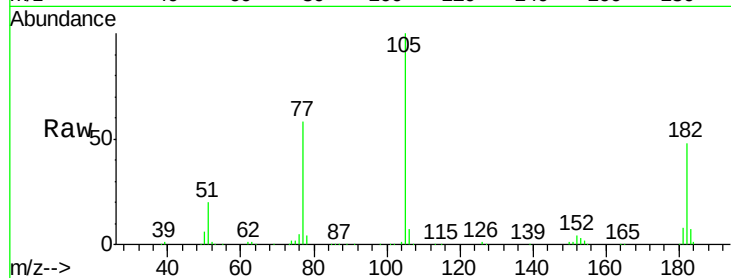
Ion Ratio Lower Upper

77 100

182 83.4 1.7 41.7#

105 172.2 3.0 43.0#

51 34.6 9.9 49.9

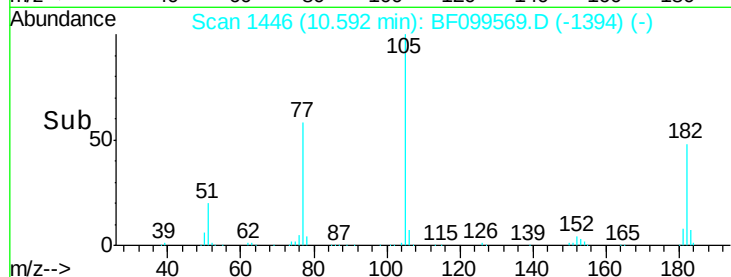


Abundance Ion 77.00 (76.70 to 77.70): BF0

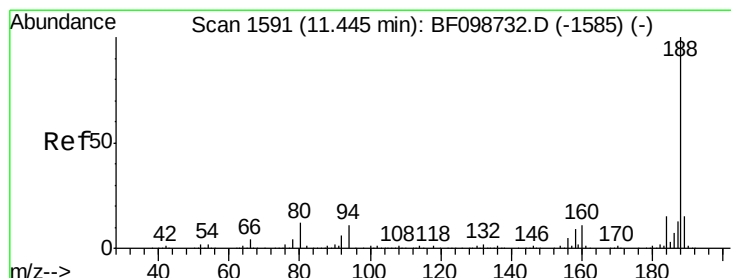
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF099569.D

Acq: 17 Oct 2017 2:52

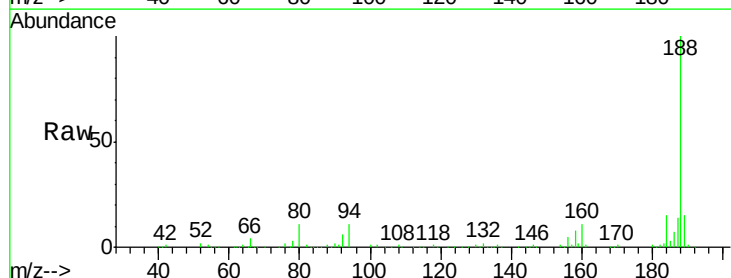
Tgt Ion: 188 Resp: 247550

Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

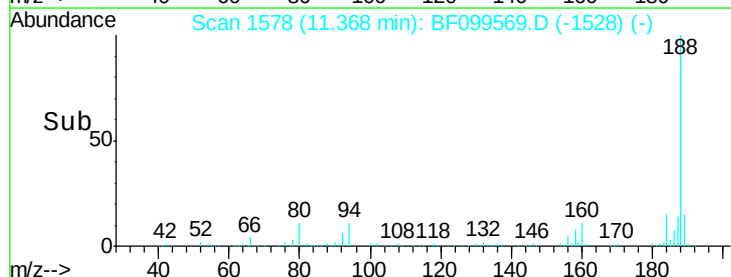
80 11.4 9.2 13.8



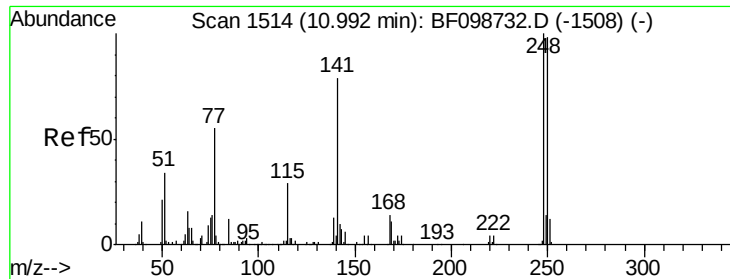
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



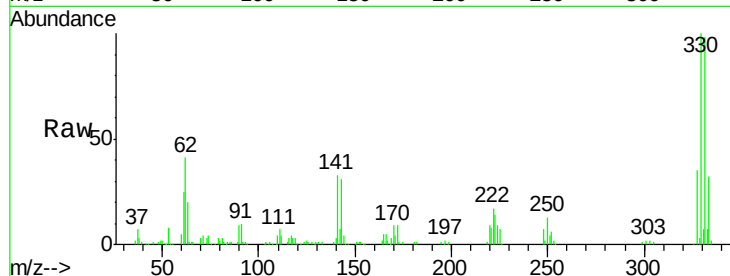
Time-->



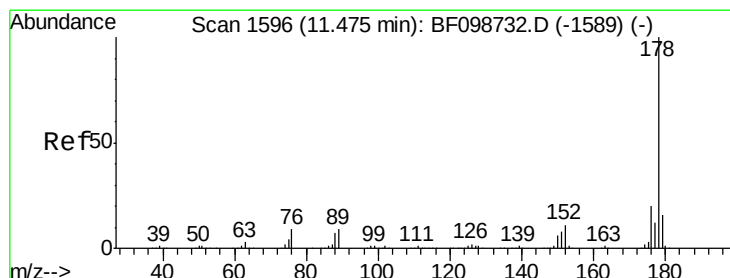
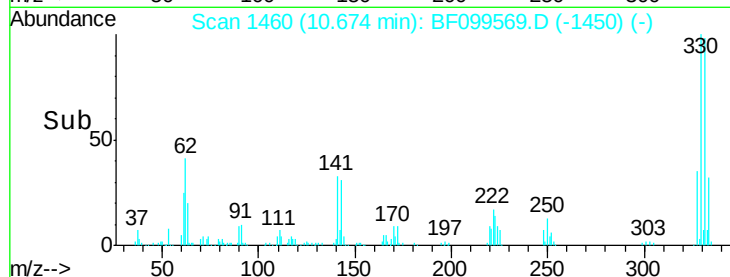
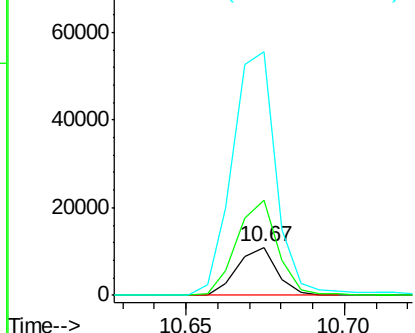
#66
 4-Bromophenyl-phenylether
 Concen: 3.94 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF099569.D
 Acq: 17 Oct 2017 2:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9550
 Ion Ratio Lower Upper
 248 100
 250 199.7 76.9 115.3#
 141 508.9 74.4 111.6#

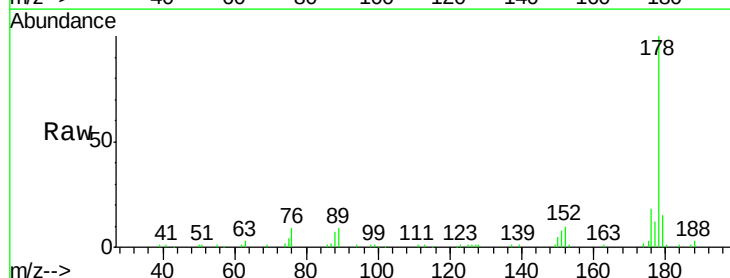


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

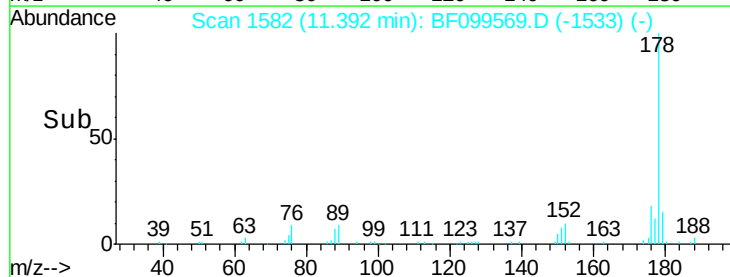
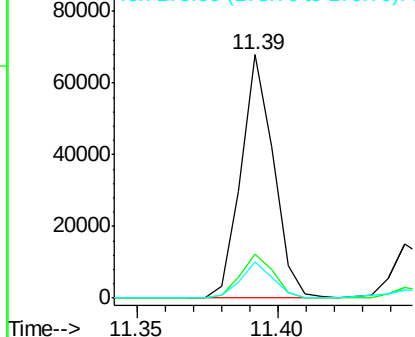


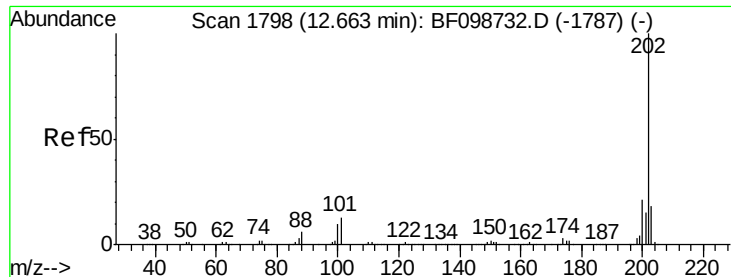
#70
 Phenanthrene
 Concen: 4.11 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF099569.D
 Acq: 17 Oct 2017 2:52

Tgt Ion:178 Resp: 54402
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.8 23.8
 179 14.7 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

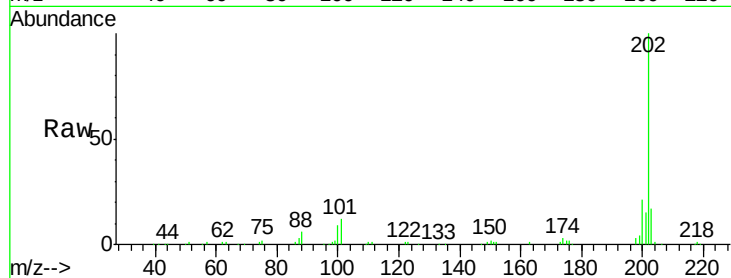




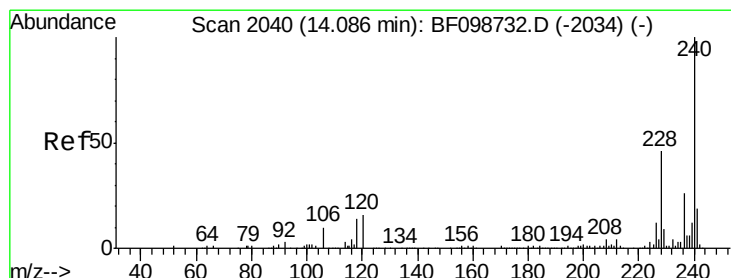
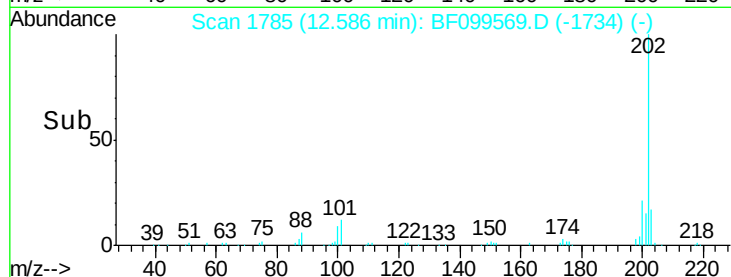
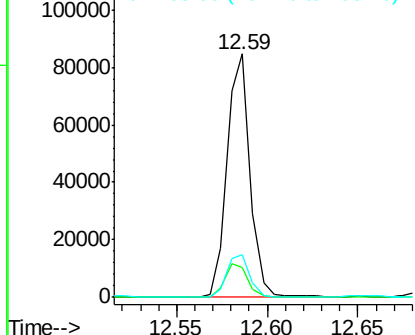
#74
Fluoranthene
Concen: 5.57 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	17.3	0.0	38.1

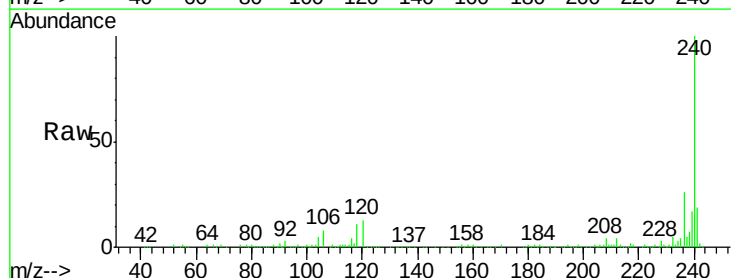


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

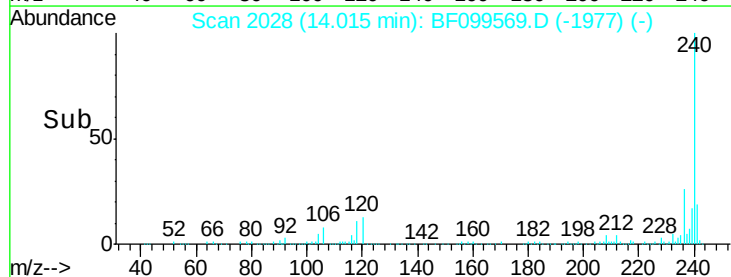
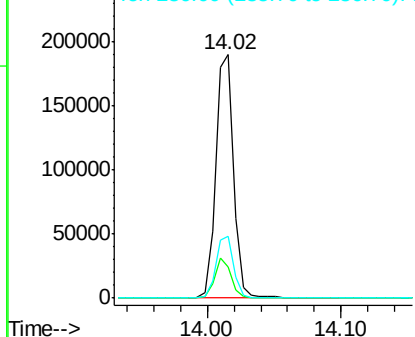


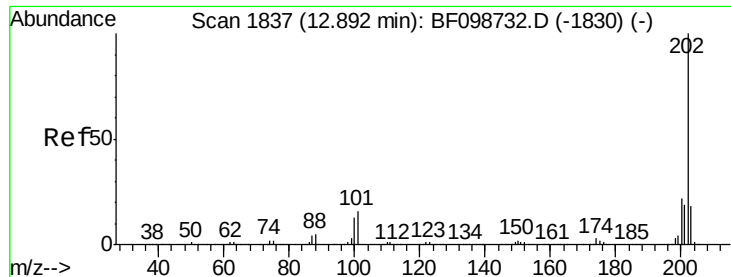
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.5	14.3
236	25.5	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

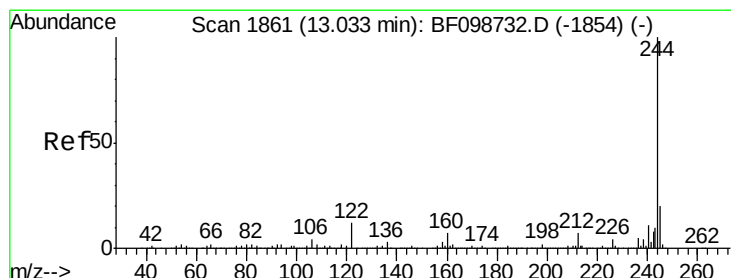
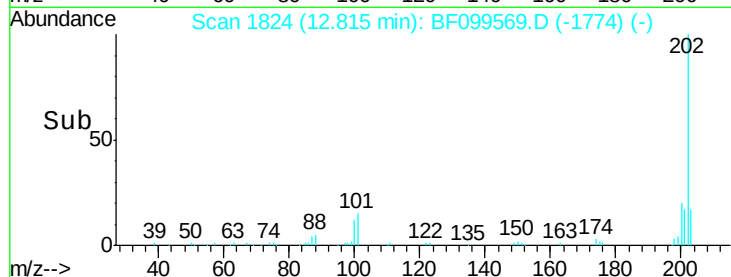
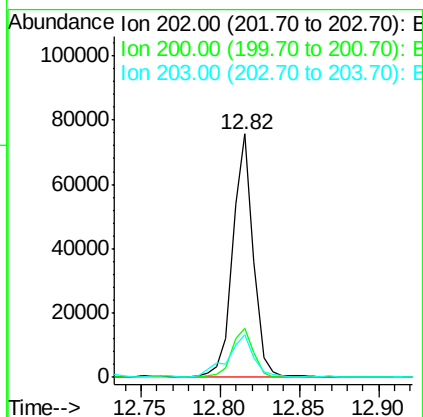
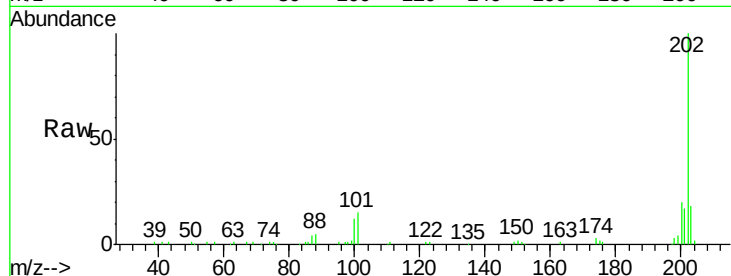




#77
Pvrene
Concen: 5.02 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

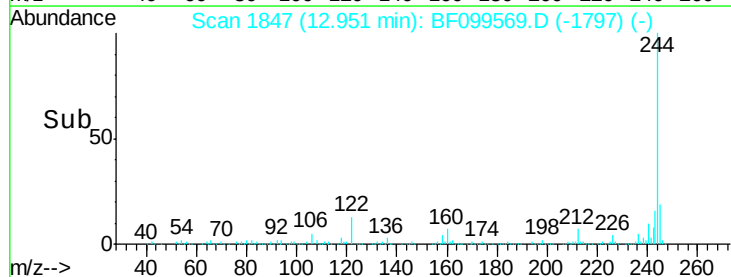
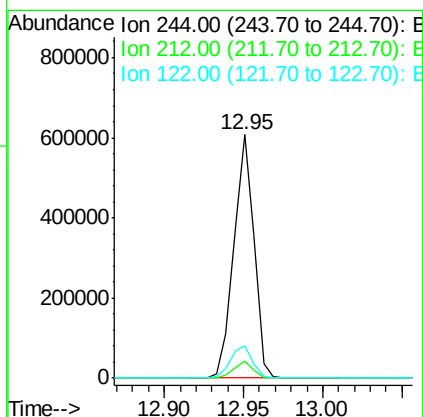
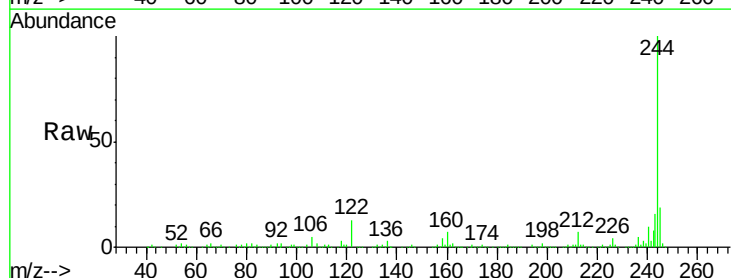
Instrument :
BNA_F
ClientSampleId :

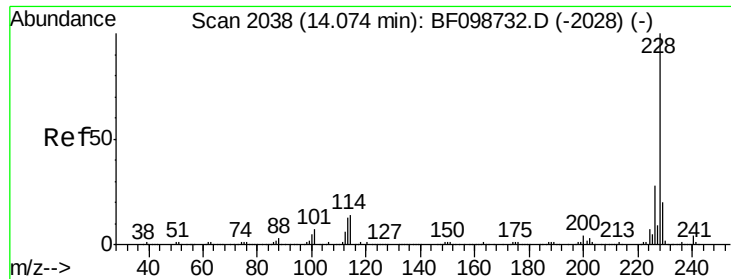
Tot Ion: 202 Resp: 68178
Ion Ratio Lower Upper
202 100
200 20.4 17.4 26.2
203 17.6 14.3 21.5



#78
Terphenyl-d14
Concen: 68.41 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

Tgt Ion: 244 Resp: 535351
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 13.4 11.0 16.4

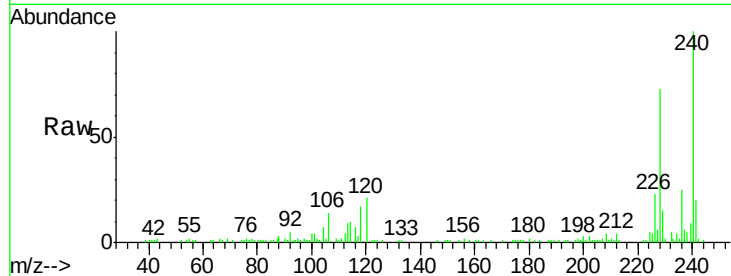




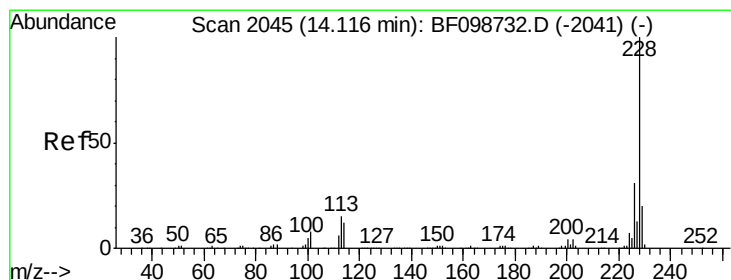
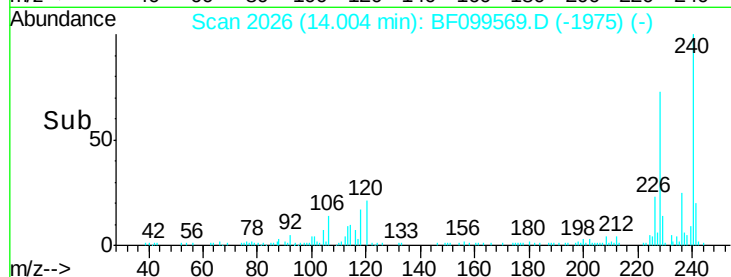
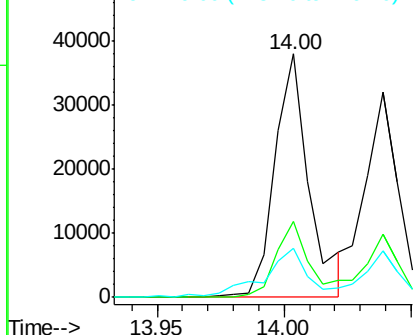
#80
Benzo(a)anthracene
Concen: 3.36 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	33.8
229	20.1	15.8	23.6

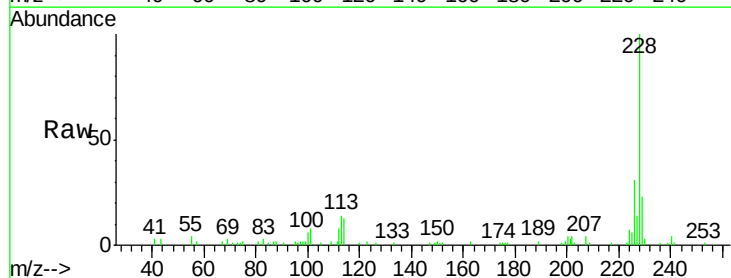


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

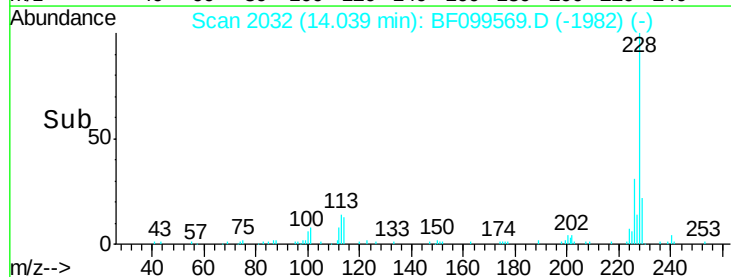
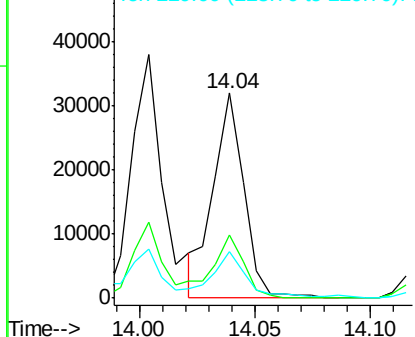


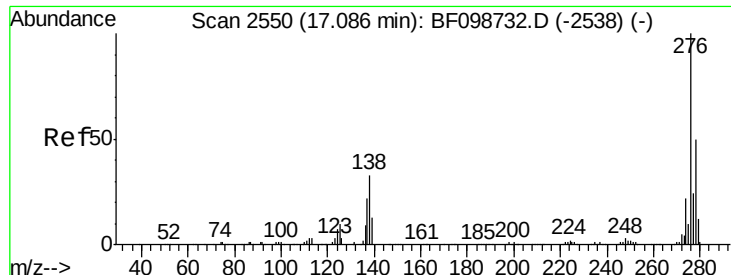
#82
Chrysene
Concen: 2.88 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	23.0	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





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.24 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.01 min

Lab File: BF099569.D

Acq: 17 Oct 2017 2:52

Instrument :

BNA_F

ClientSampleId :

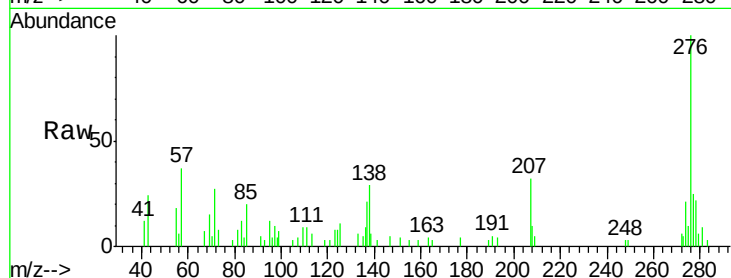
Tot Ion:276 Resp: 18374

Ion Ratio Lower Upper

276 100

138 34.5 25.0 37.6

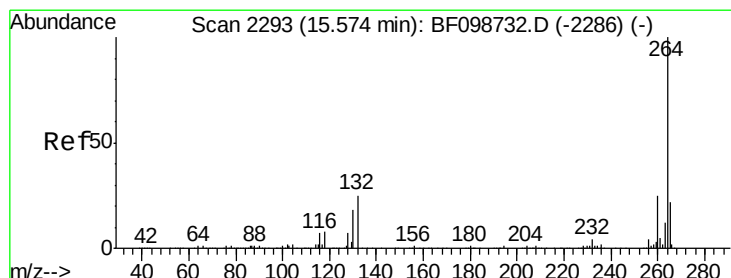
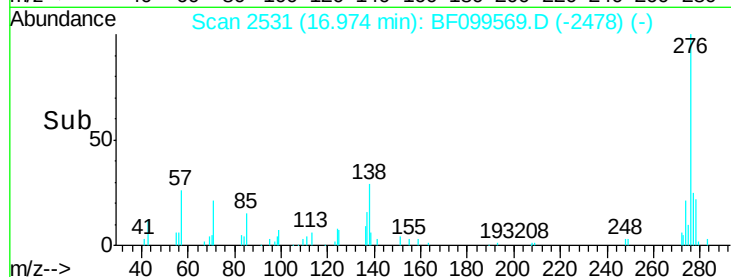
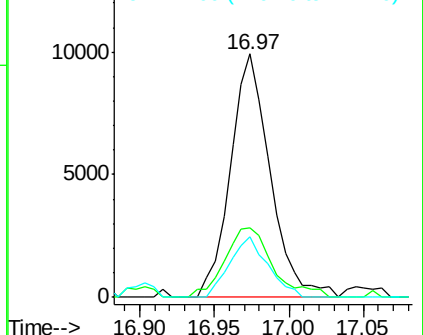
277 23.7 20.1 30.1



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: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF099569.D

Acq: 17 Oct 2017 2:52

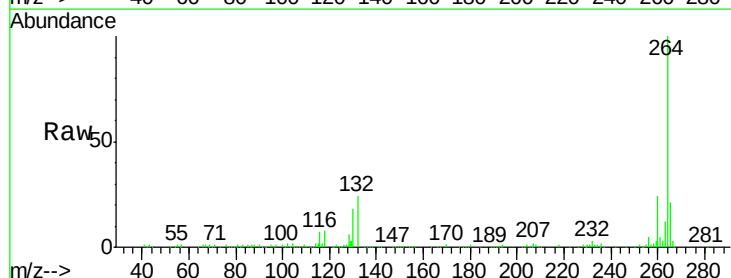
Tgt Ion:264 Resp: 189713

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

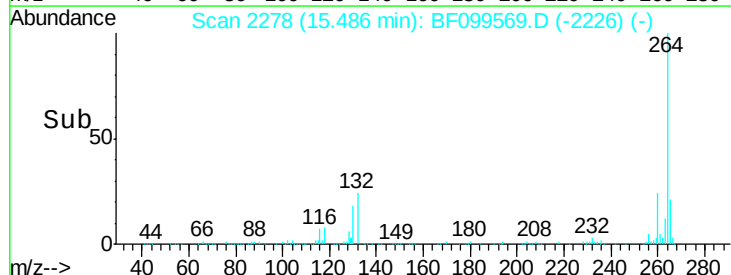
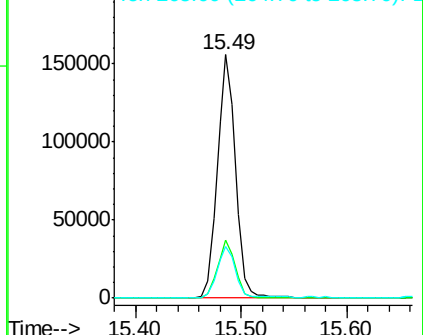
265 21.2 17.5 26.3

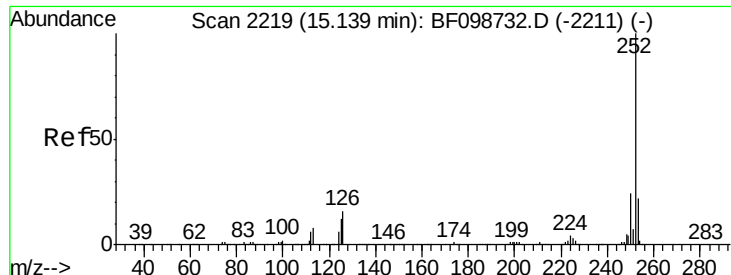


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

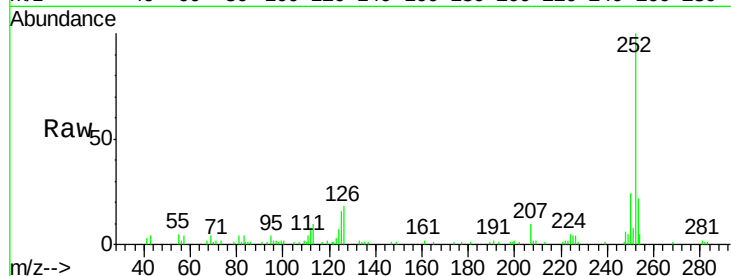




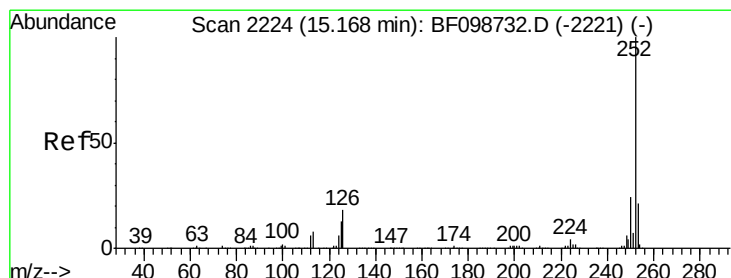
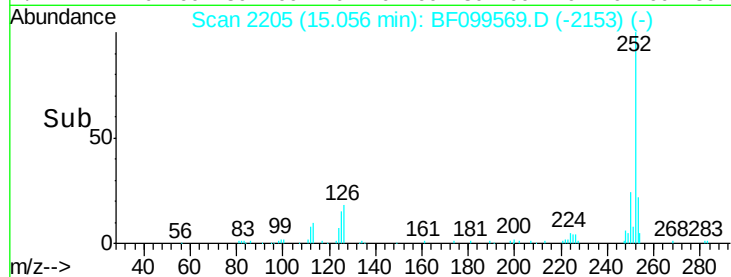
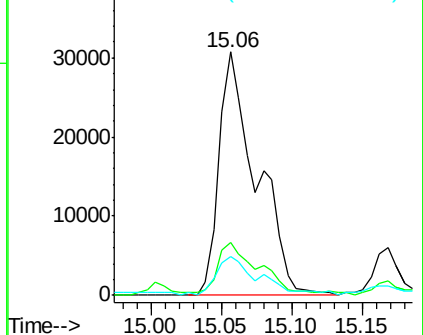
#87
Benzo(b)fluoranthene
Concen: 4.93 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	16.1	9.0	13.6#

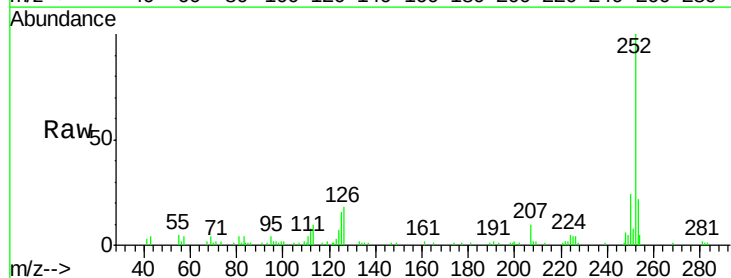


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

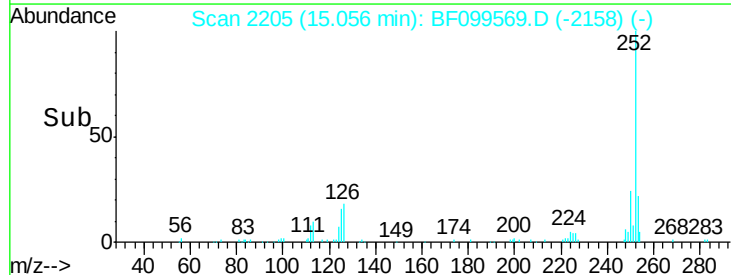
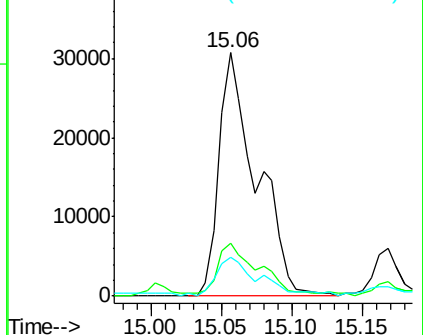


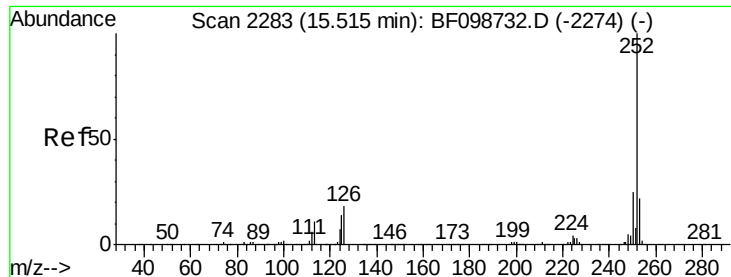
#88
Benzo(k)fluoranthene
Concen: 4.99 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF099569.D
Acq: 17 Oct 2017 2:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	16.1	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: 2.94 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF099569.D

Acq: 17 Oct 2017 2:52

Instrument :

BNA_F

ClientSampleId :

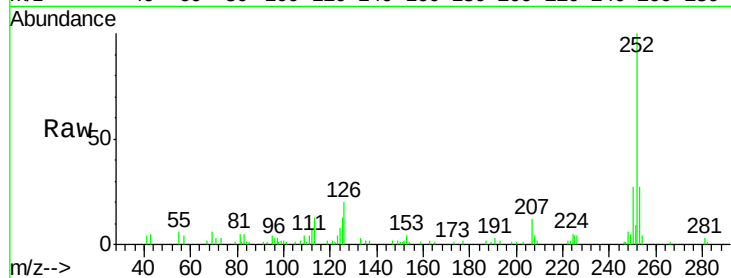
Tot Ion: 252 Resp: 31469

Ion Ratio Lower Upper

252 100

253 26.5 17.1 25.7#

125 13.4 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

