

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101517\
 Data File : BF099520.D
 Acq On : 15 Oct 2017 18:17
 Operator : SJ/JU
 Sample : I5752-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:07:33 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

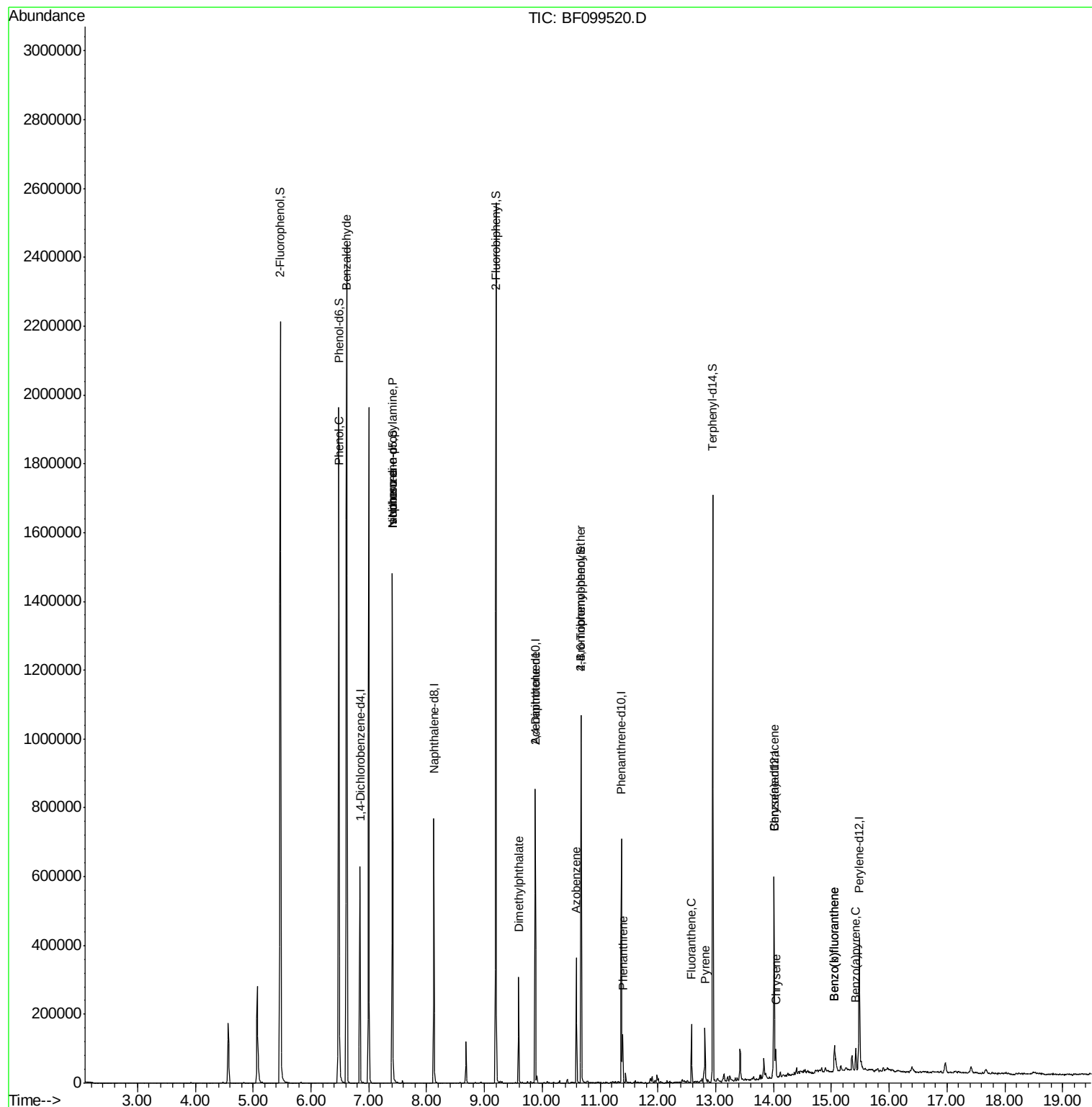
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	95831	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	381449	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	153388	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	220156	20.00	ng	0.00
75) Chrysene-d12	14.01	240	174816	20.00	ng	0.00
86) Perylene-d12	15.49	264	168315	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	686218	113.99	ng	0.00
7) Phenol-d6	6.48	99	813063	109.49	ng	0.00
23) Nitrobenzene-d5	7.41	82	473799	79.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	128448	102.34	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	799530	87.02	ng	-0.01
78) Terphenyl-d14	12.95	244	499992	65.04	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	13580	3.15	ng	90
10) Phenol	6.49	94	48543	5.84	ng	97
19) n-Nitroso-di-n-propylamine	7.41	70	59960	12.65	ng	# 76
25) Isophorone	7.41	82	473794	38.53	ng	# 64
49) Dimethylphthalate	9.59	163	114343	9.88	ng	99
56) 2,4-Dinitrotoluene	9.88	165	19650	6.01	ng	# 22
62) Azobenzene	10.59	77	55859	5.37	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	8848	4.11	ng	# 1
70) Phenanthrene	11.39	178	46762	3.97	ng	98
74) Fluoranthene	12.59	202	69811	5.85	ng	97
77) Pyrene	12.82	202	65221	4.89	ng	97
80) Benzo(a)anthracene	14.00	228	33565	3.17	ng	97
82) Chrysene	14.04	228	31332	3.11	ng	98
87) Benzo(b)fluoranthene	15.06	252	54104	5.23	ng	# 93
88) Benzo(k)fluoranthene	15.06	252	54104	5.29	ng	# 96
89) Benzo(a)pyrene	15.42	252	28650	3.02	ng	# 94

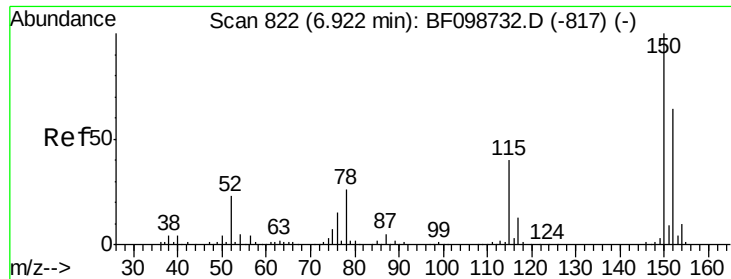
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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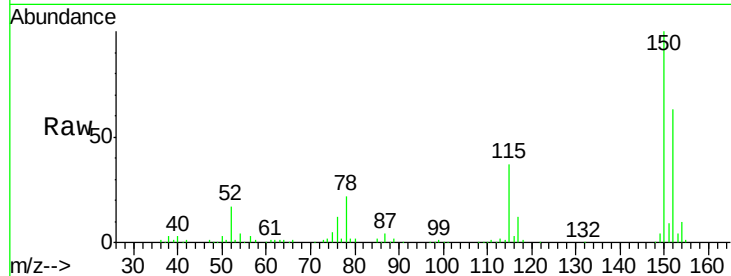


#1

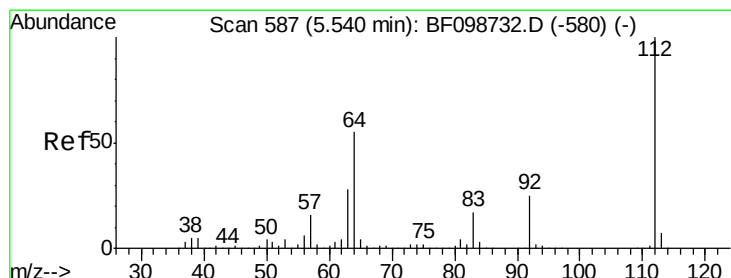
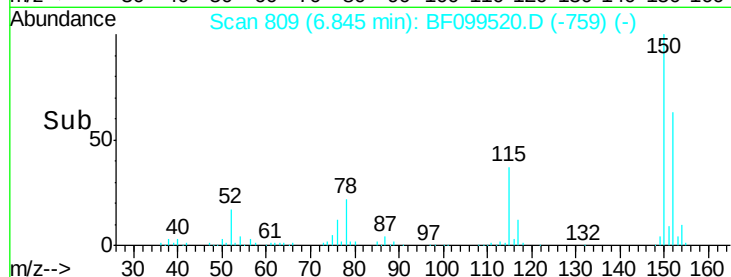
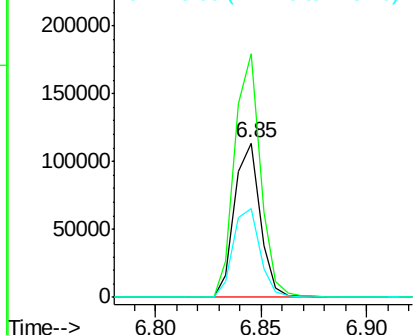
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099520.D
Acq: 15 Oct 2017 18:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 95831
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 57.7 50.1 75.1



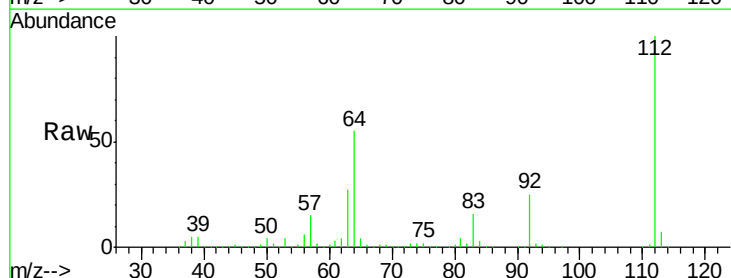
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



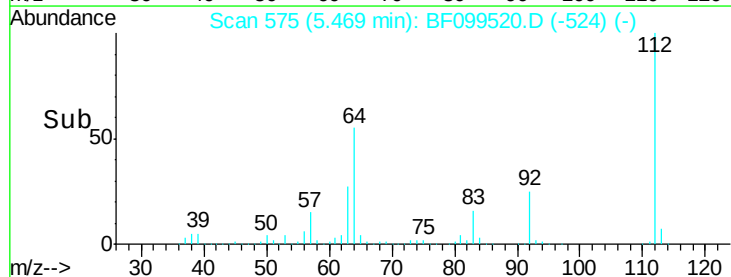
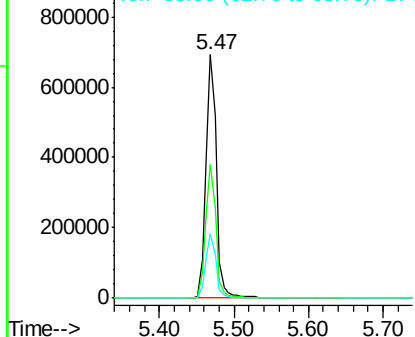
#5

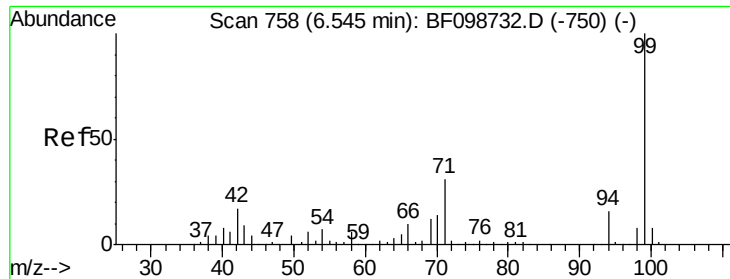
2-Fluorophenol
Concen: 113.99 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF099520.D
Acq: 15 Oct 2017 18:17

Tgt Ion:112 Resp: 686218
Ion Ratio Lower Upper
112 100
64 55.0 47.9 71.9
63 26.5 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: 109.49 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099520.D

Acq: 15 Oct 2017 18:17

Instrument :

BNA_F

ClientSampled :

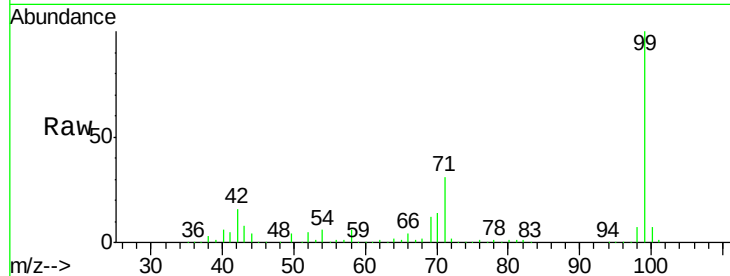
Tot Ion: 99 Resp: 813063

Ion Ratio Lower Upper

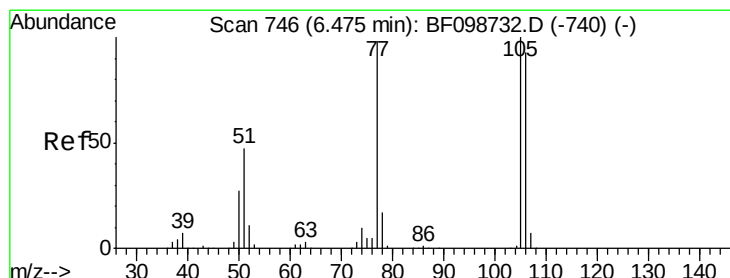
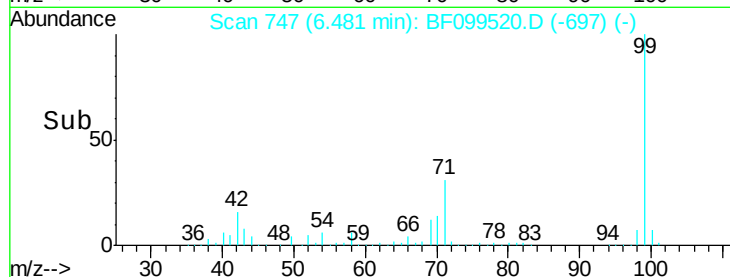
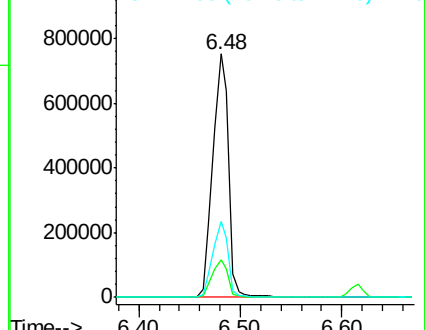
99 100

42 15.6 14.5 21.7

71 31.0 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: 3.15 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF099520.D

Acq: 15 Oct 2017 18:17

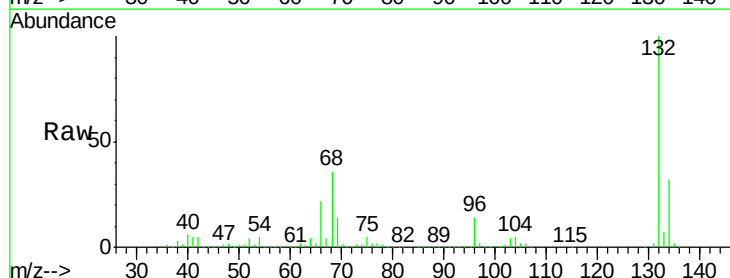
Tgt Ion: 77 Resp: 13580

Ion Ratio Lower Upper

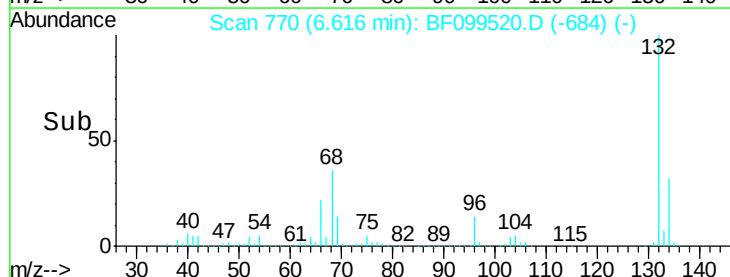
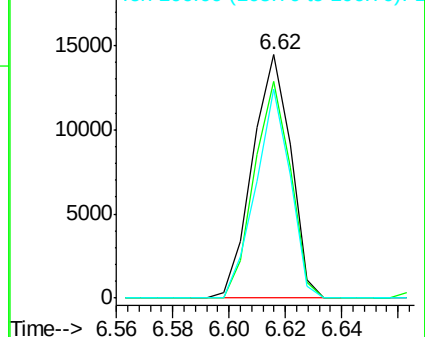
77 100

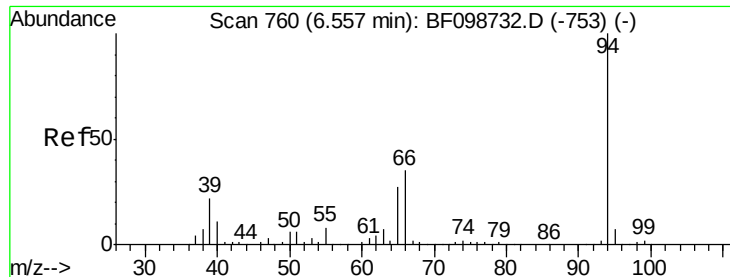
105 89.2 81.1 121.1

106 85.9 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: 5.84 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099520.D

Acq: 15 Oct 2017 18:17

Instrument :

BNA_F

ClientSampled :

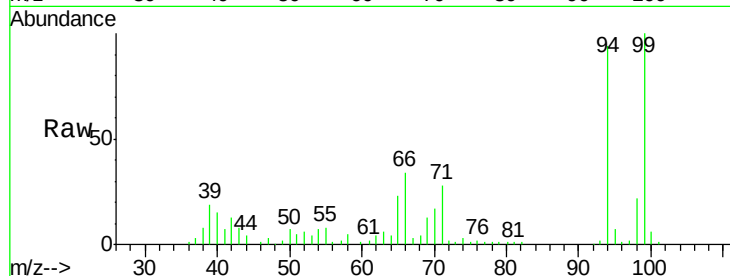
Tot Ion: 94 Resp: 48543

Ion Ratio Lower Upper

94 100

65 24.9 7.9 47.9

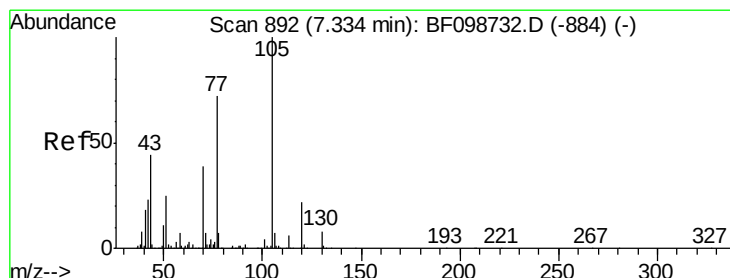
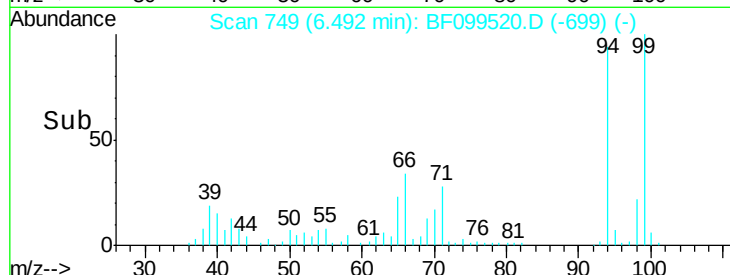
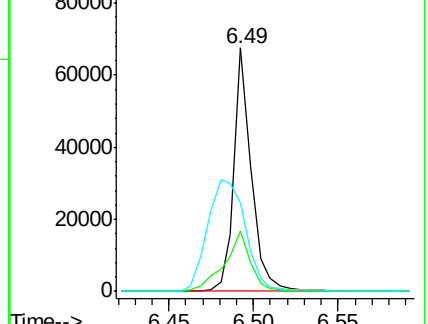
66 36.4 16.2 56.2



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: 12.65 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF099520.D

Acq: 15 Oct 2017 18:17

Tgt Ion: 70 Resp: 59960

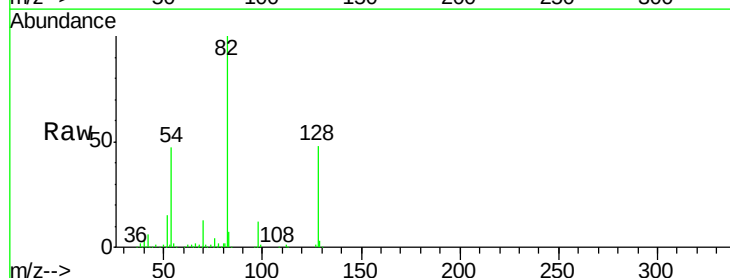
Ion Ratio Lower Upper

70 100

42 45.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

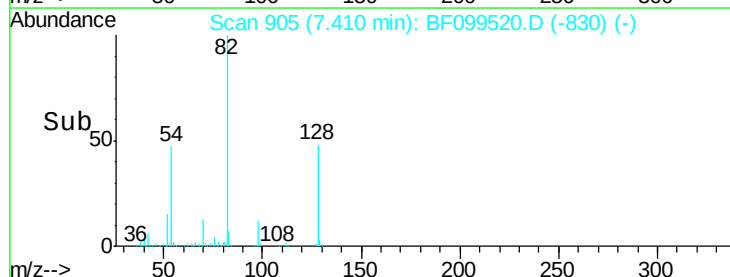
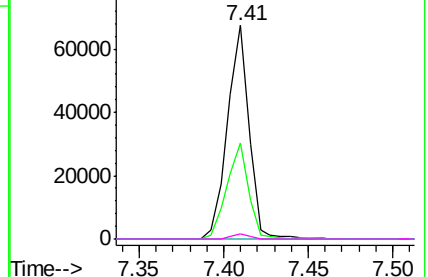


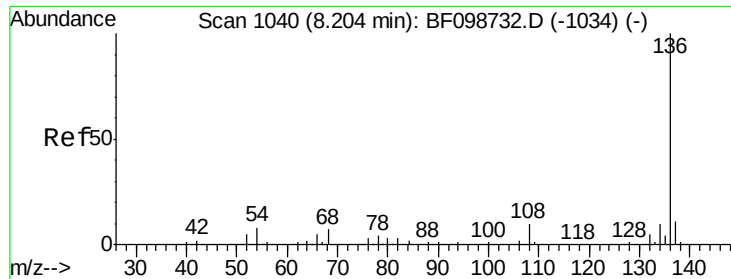
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

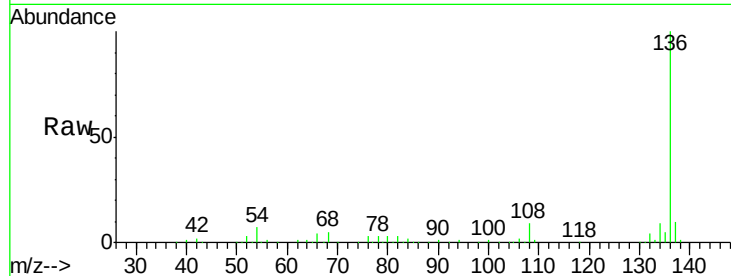




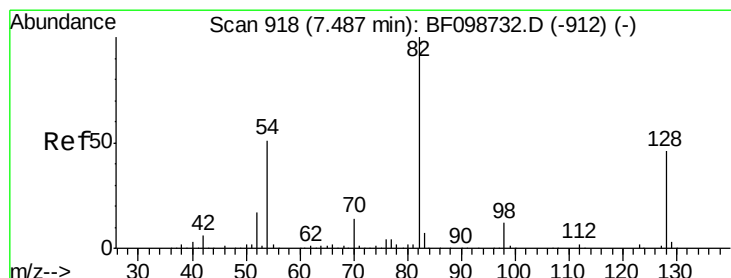
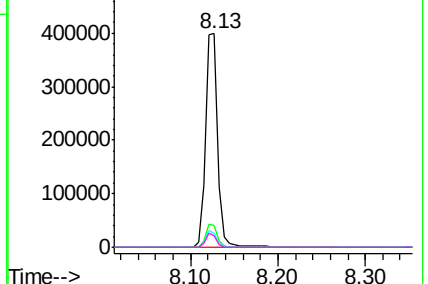
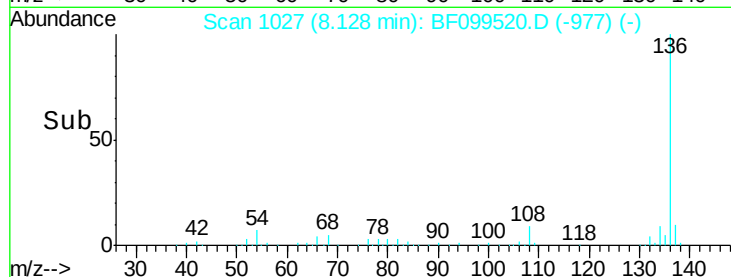
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099520.D
Acq: 15 Oct 2017 18:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	381449
Ion Ratio	Lower	Upper
136	100	
137	10.2	8.9 13.3
54	6.6	6.6 9.8
68	5.1	5.0 7.4

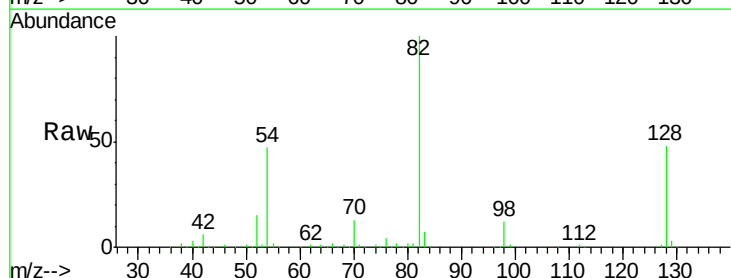


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

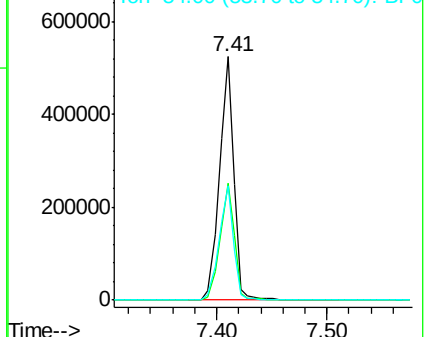
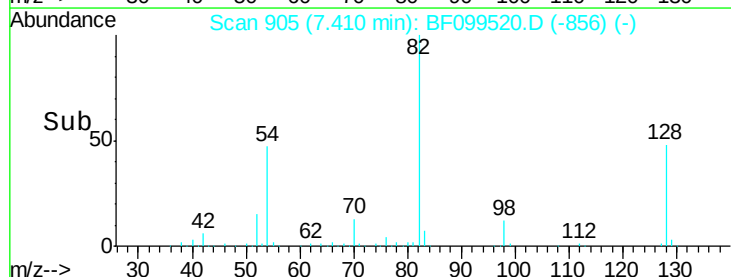


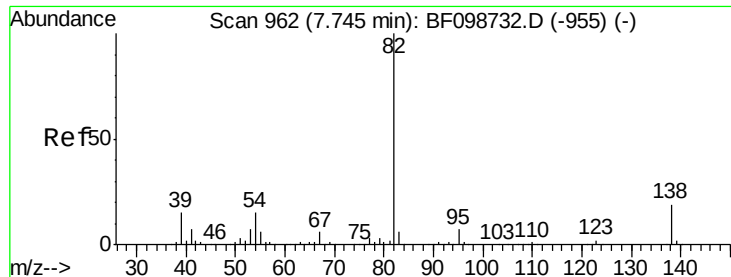
#23
Nitrobenzene-d5
Concen: 79.66 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099520.D
Acq: 15 Oct 2017 18:17

Tgt Ion: 82	Resp:	473799
Ion Ratio	Lower	Upper
82	100	
128	47.8	36.1 54.1
54	46.8	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: 38.53 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099520.D

Acq: 15 Oct 2017 18:17

Instrument :

BNA_F

ClientSampleId :

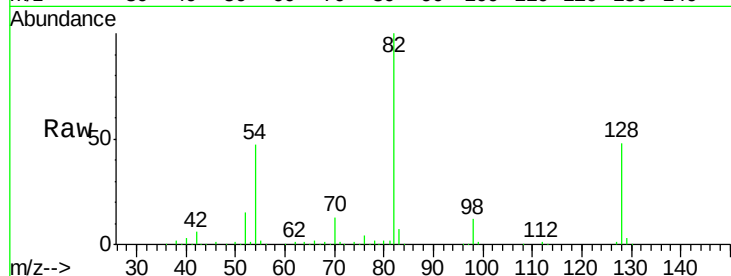
Tot Ion: 82 Resp: 473794

Ion Ratio Lower Upper

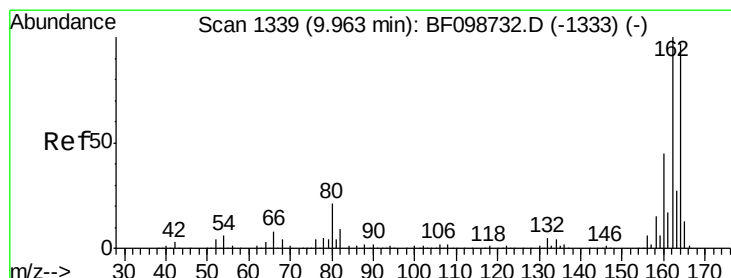
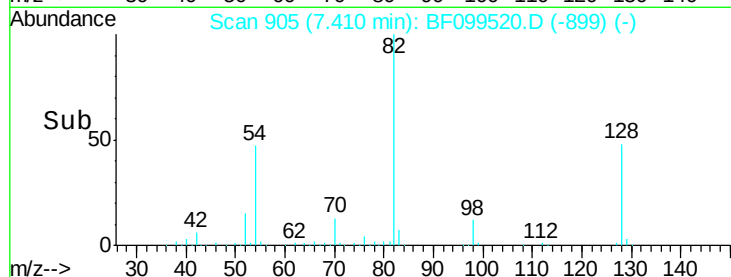
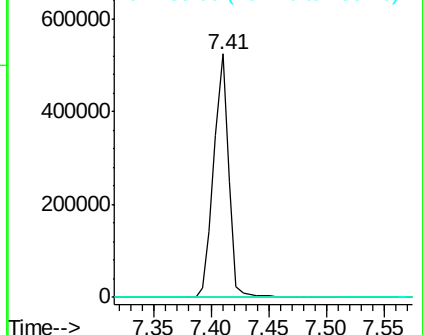
82 100

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: BF099520.D

Acq: 15 Oct 2017 18:17

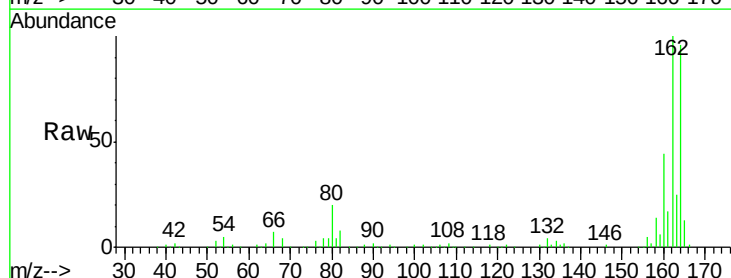
Tgt Ion: 164 Resp: 153388

Ion Ratio Lower Upper

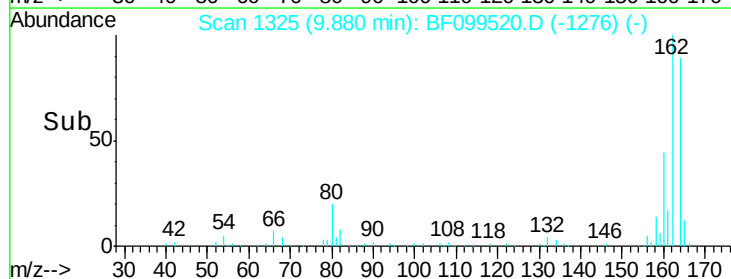
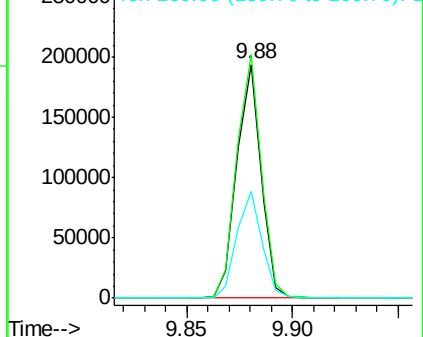
164 100

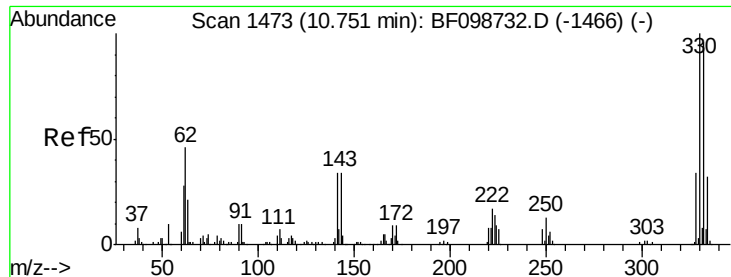
162 104.1 86.1 129.1

160 45.8 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

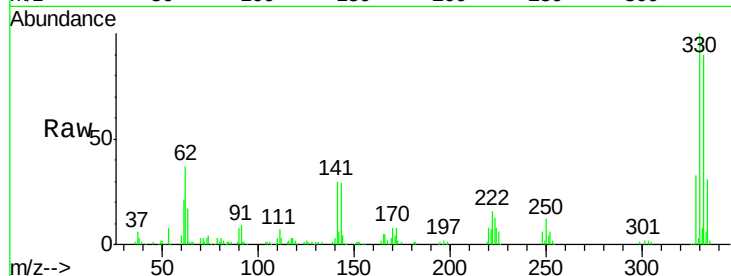




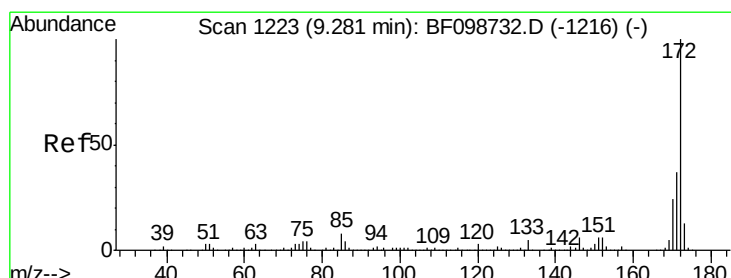
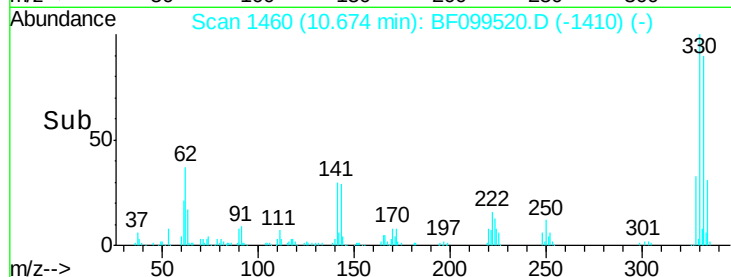
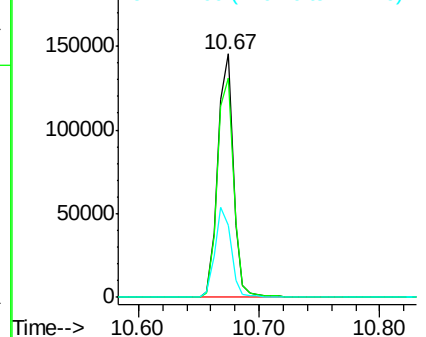
#41
 2,4,6-Tribromophenol
 Concen: 102.34 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099520.D
 Acq: 15 Oct 2017 18:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	38.6	29.9	44.9

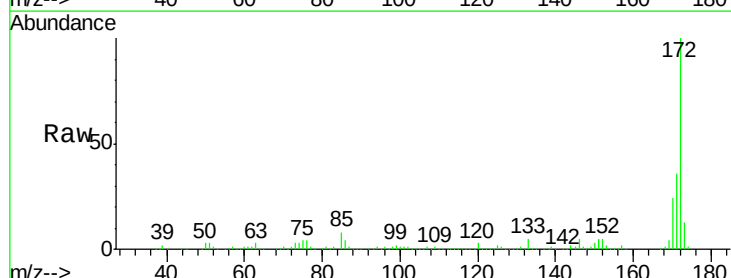


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

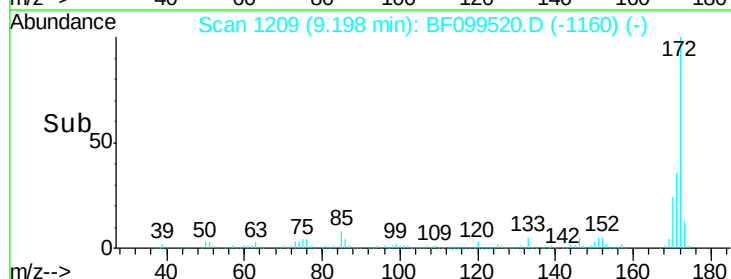
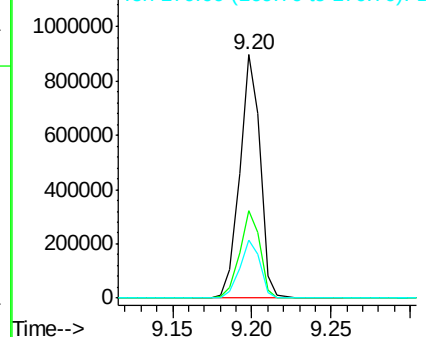


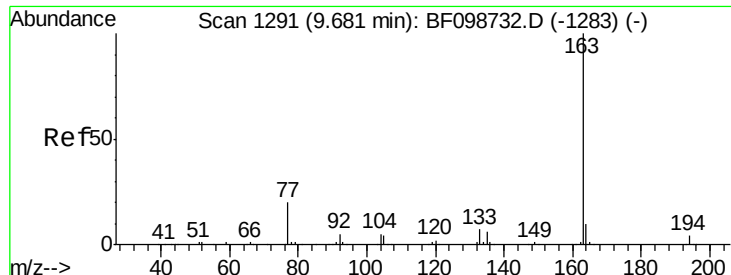
#44
 2-Fluorobiphenyl
 Concen: 87.02 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF099520.D
 Acq: 15 Oct 2017 18:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.6	19.6	29.4



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

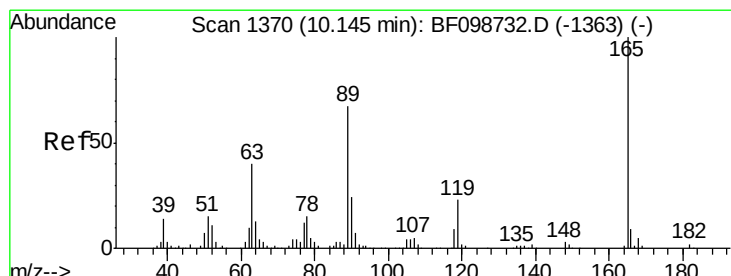
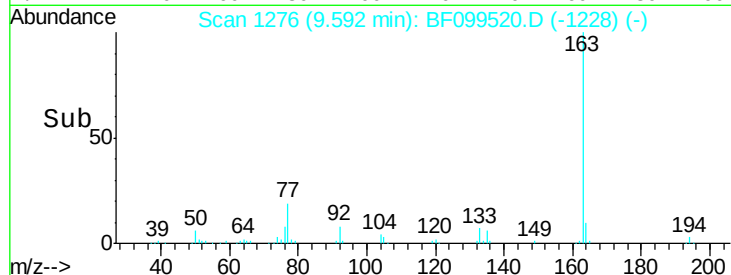
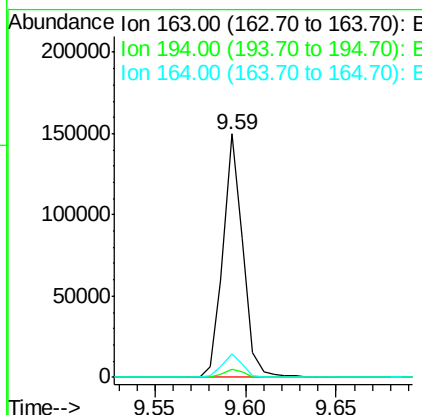
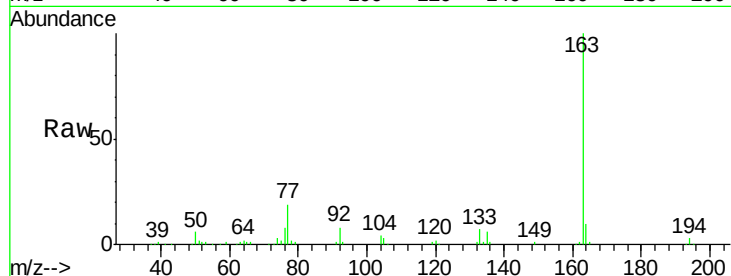




#49
Dimethylphthalate
Concen: 9.88 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF099520.D
Acq: 15 Oct 2017 18:17

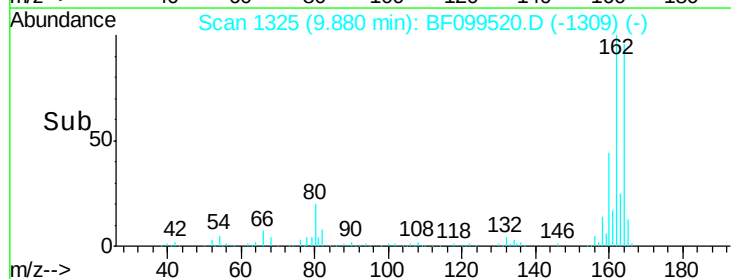
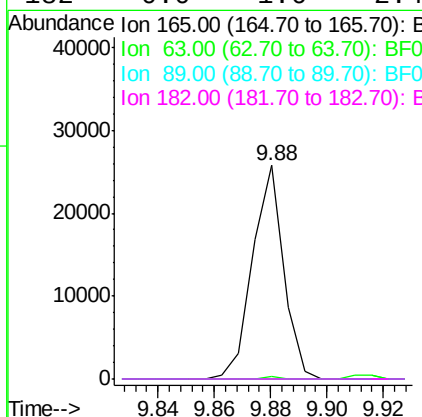
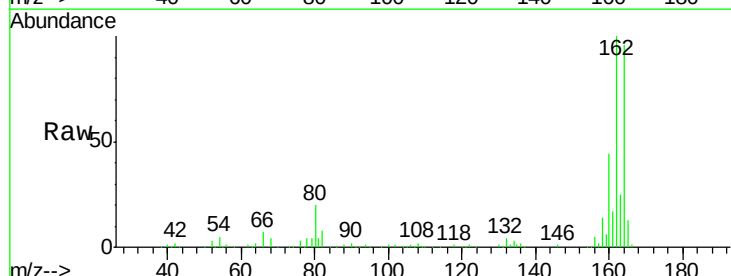
Instrument :
BNA_F
ClientSampleId :

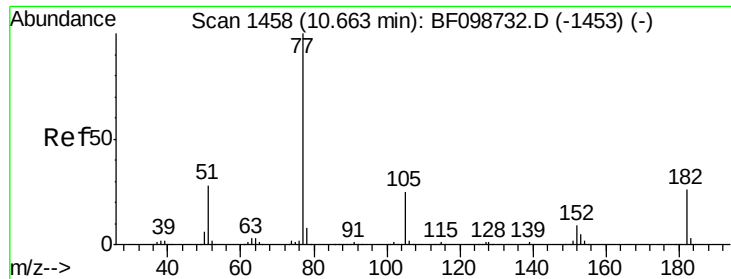
Tot Ion:163 Resp: 114343
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.7 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.21 min
Lab File: BF099520.D
Acq: 15 Oct 2017 18:17

Tgt Ion:165 Resp: 19650
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#





#62

Azobenzene

Concen: 5.37 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BF099520.D

Acq: 15 Oct 2017 18:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 55859

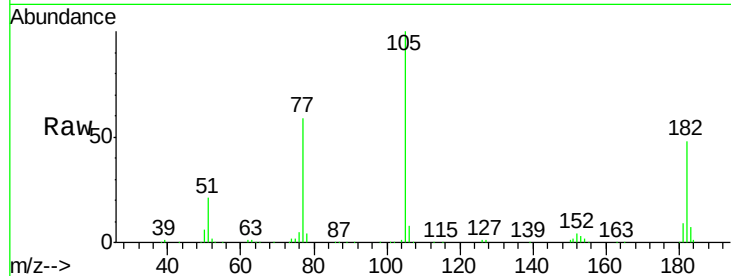
Ion Ratio Lower Upper

77 100

182 81.3 1.7 41.7#

105 168.7 3.0 43.0#

51 35.5 9.9 49.9

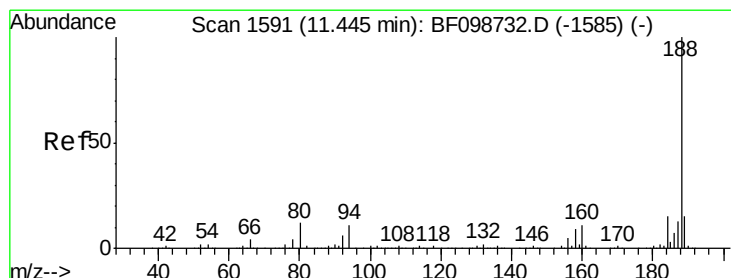
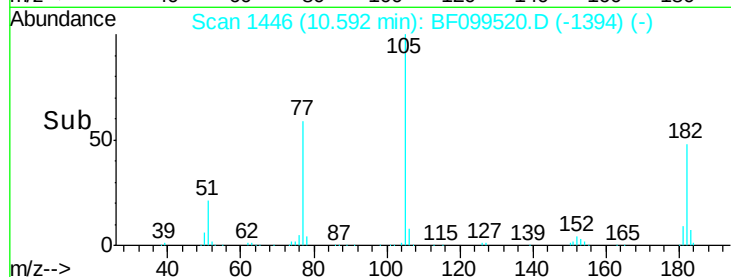
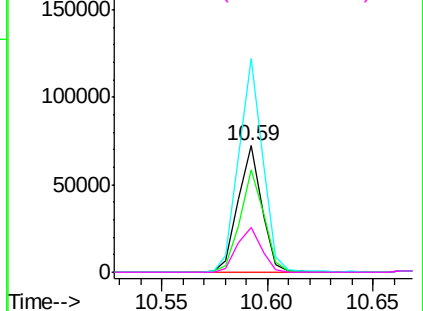


Abundance Ion 77.00 (76.70 to 77.70): BF0

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF099520.D

Acq: 15 Oct 2017 18:17

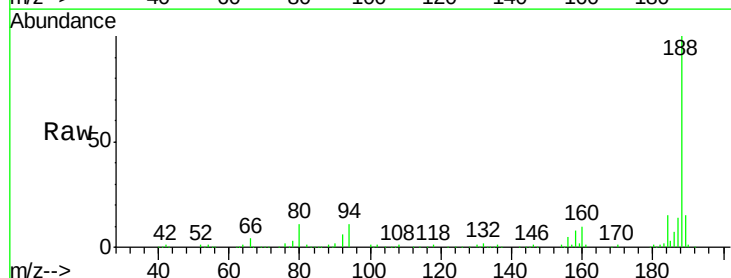
Tgt Ion: 188 Resp: 220156

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

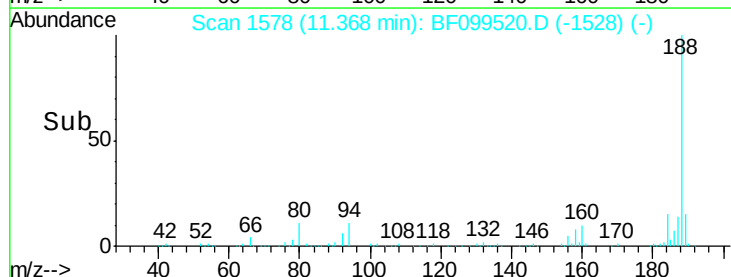
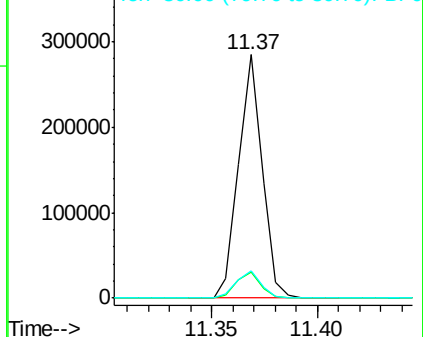
80 11.0 9.2 13.8

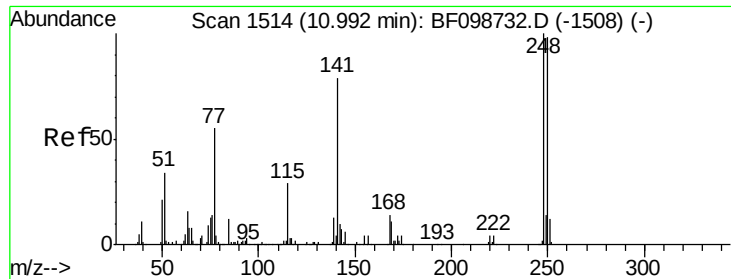


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

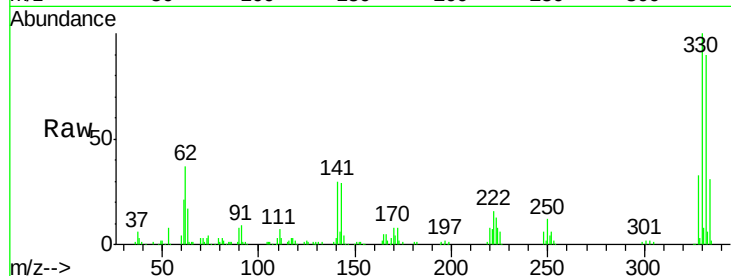




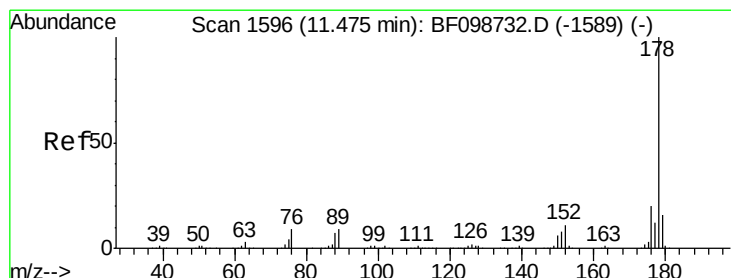
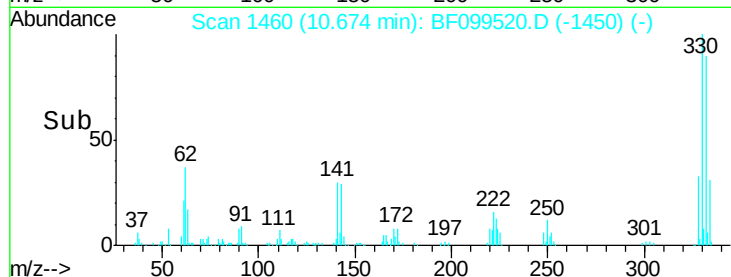
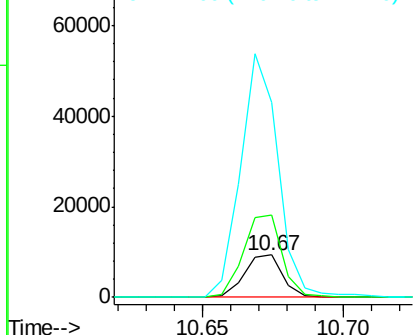
#66
 4-Bromophenyl-phenylether
 Concen: 4.11 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF099520.D
 Acq: 15 Oct 2017 18:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8848
 Ion Ratio Lower Upper
 248 100
 250 194.1 76.9 115.3#
 141 461.6 74.4 111.6#

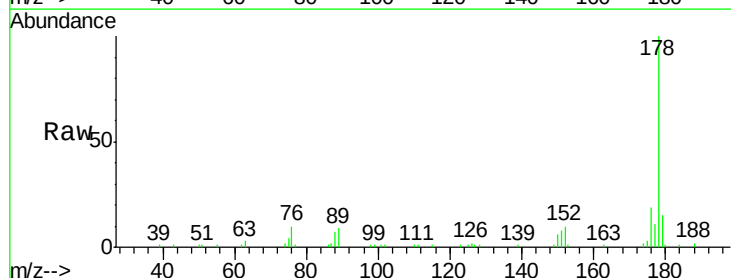


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

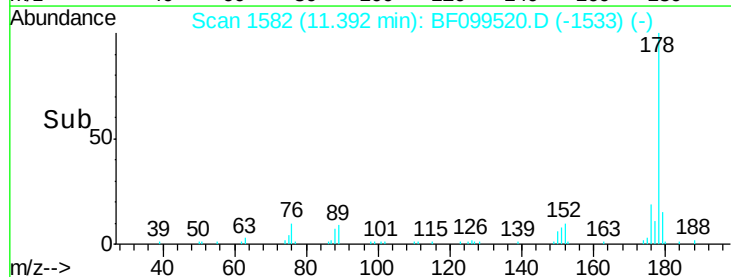
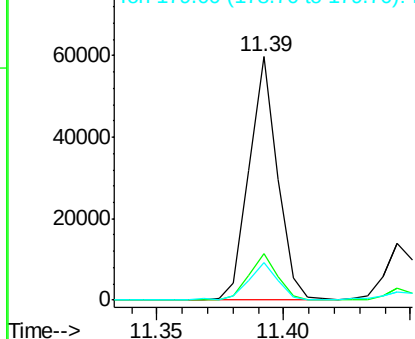


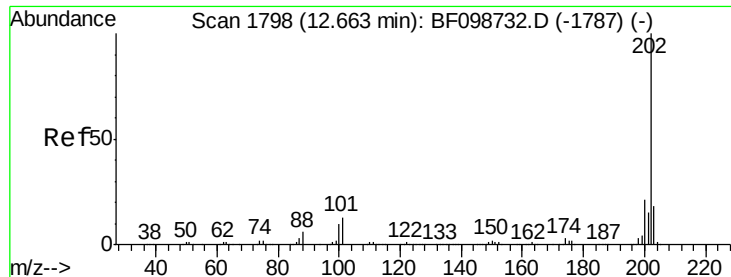
#70
 Phenanthrene
 Concen: 3.97 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF099520.D
 Acq: 15 Oct 2017 18:17

Tgt Ion:178 Resp: 46762
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.4 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: 5.85 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF099520.D

Acq: 15 Oct 2017 18:17

Instrument :

BNA_F

ClientSampleId :

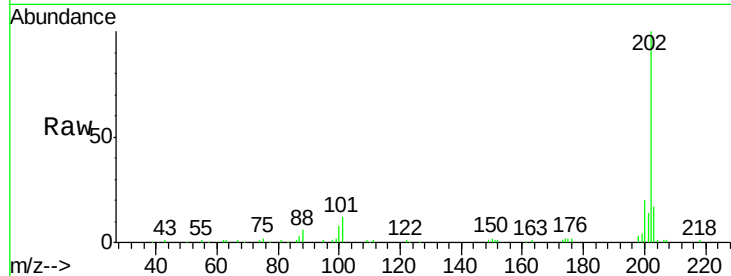
Tot Ion:202 Resp: 69811

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

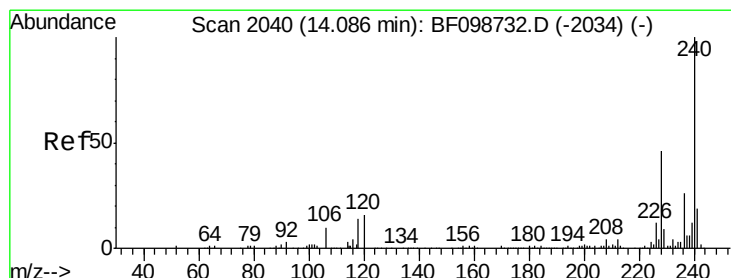
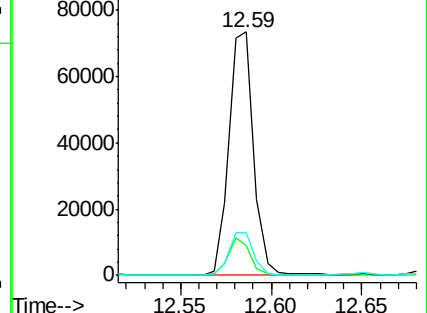
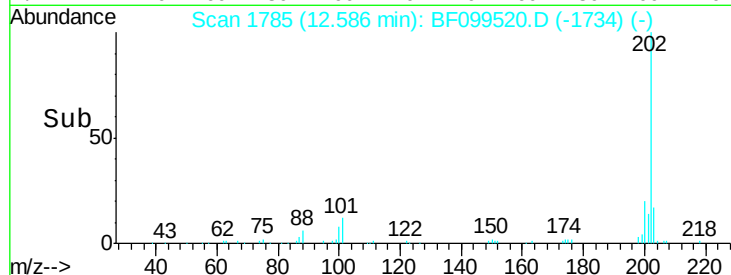
203 17.5 0.0 38.1



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: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF099520.D

Acq: 15 Oct 2017 18:17

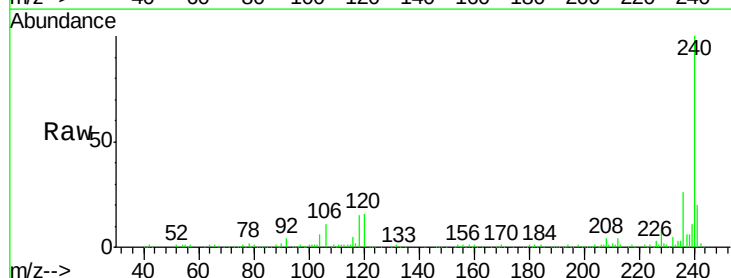
Tgt Ion:240 Resp: 174816

Ion Ratio Lower Upper

240 100

120 16.1 9.5 14.3#

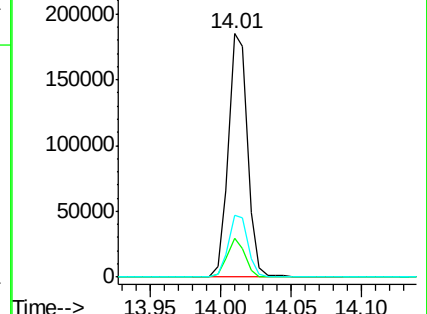
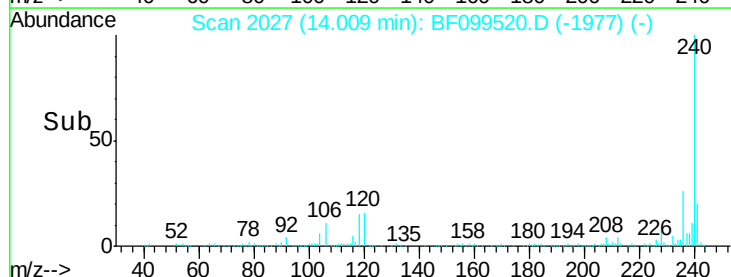
236 25.6 20.7 31.1

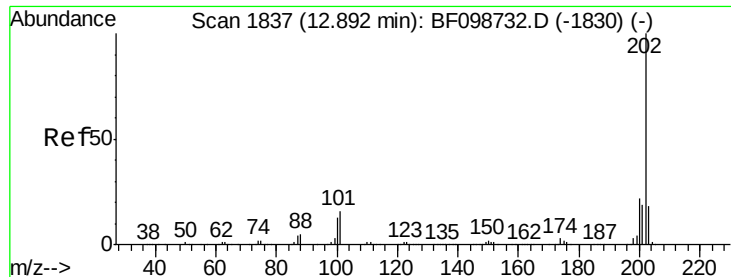


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

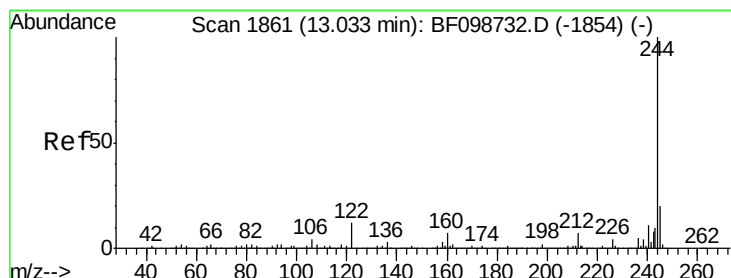
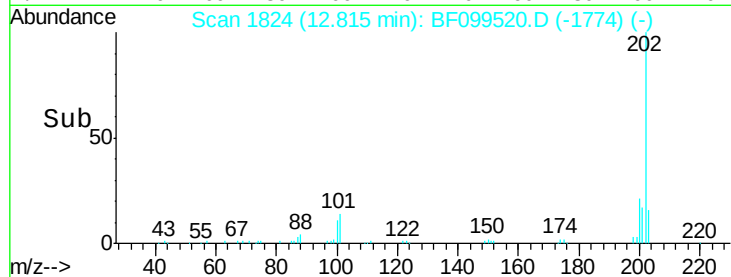
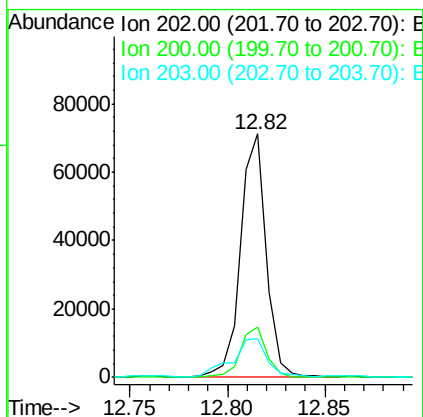
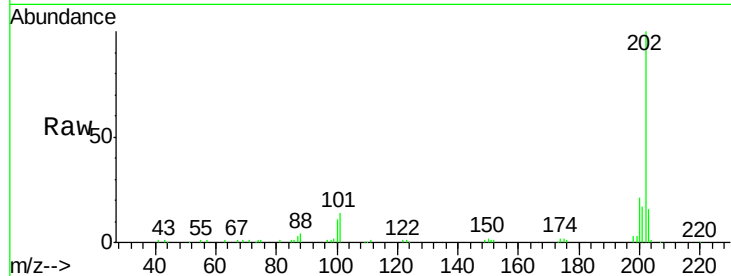




#77
Pvrene
Concen: 4.89 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF099520.D
Acq: 15 Oct 2017 18:17

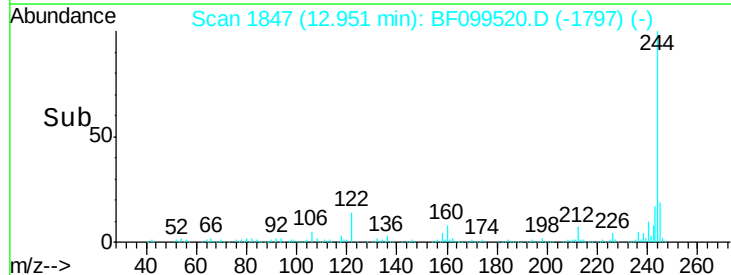
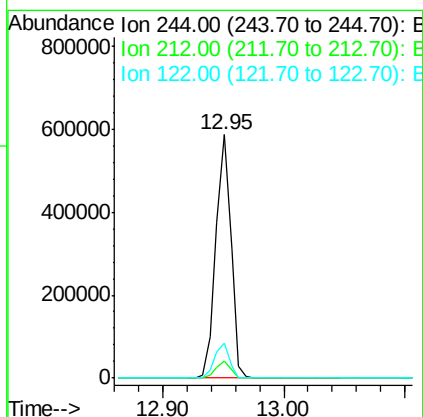
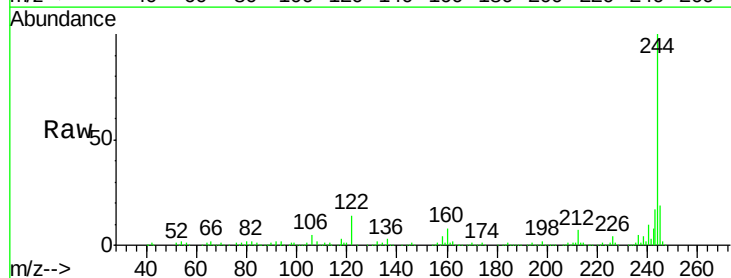
Instrument :
BNA_F
ClientSampled :

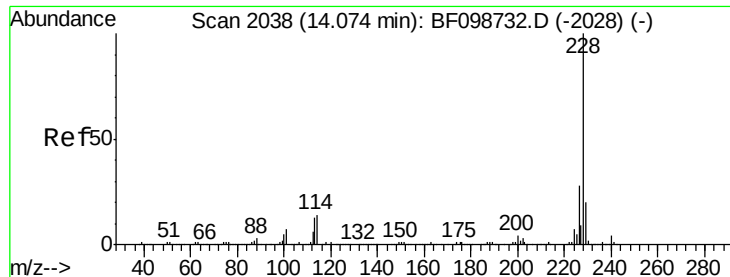
Tot Ion:202 Resp: 65221
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 16.2 14.3 21.5



#78
Terphenyl-d14
Concen: 65.04 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF099520.D
Acq: 15 Oct 2017 18:17

Tgt Ion:244 Resp: 499992
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 14.1 11.0 16.4

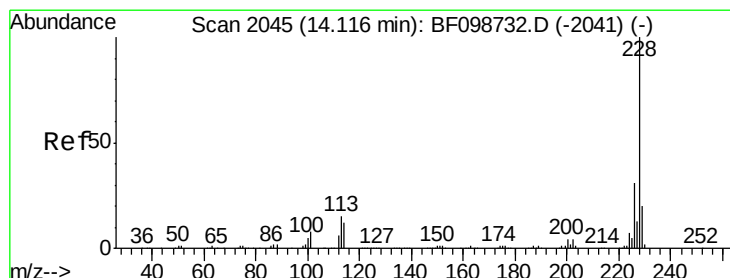
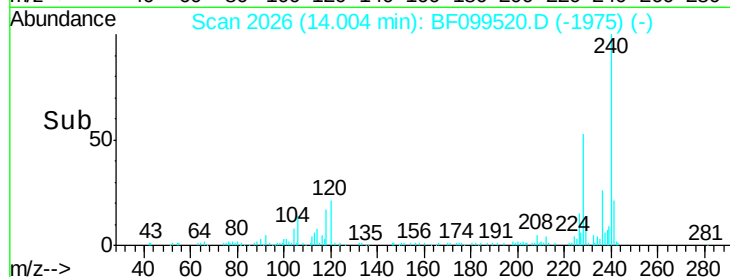
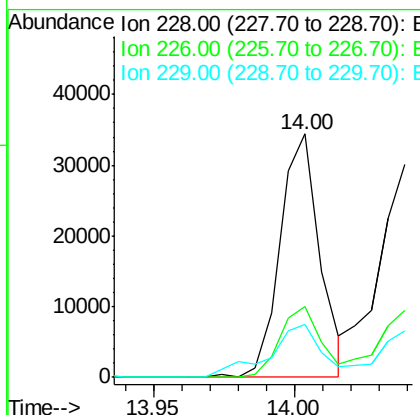
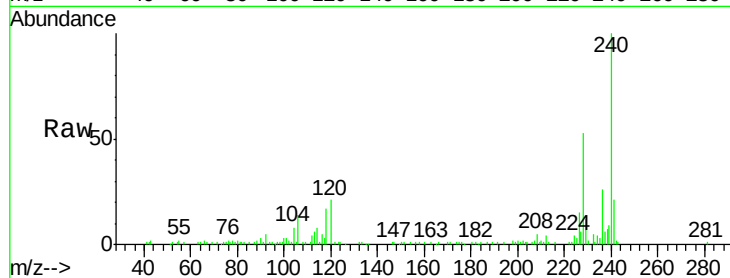




#80
Benzo(a)anthracene
Concen: 3.17 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF099520.D
Acq: 15 Oct 2017 18:17

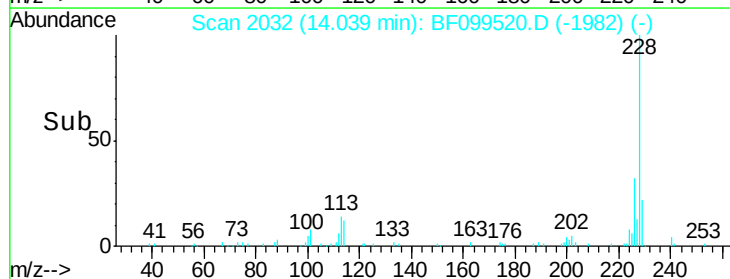
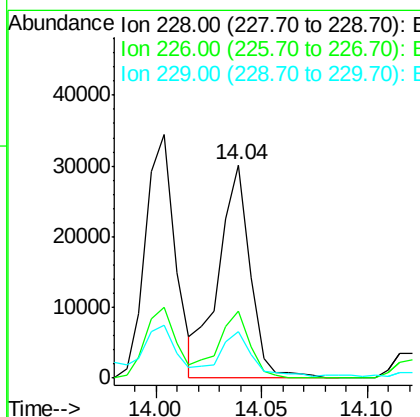
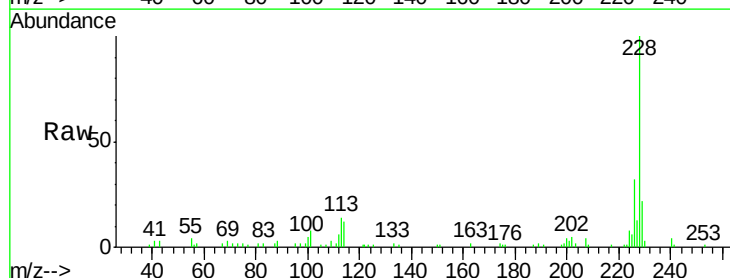
Instrument :
BNA_F
ClientSampleId :

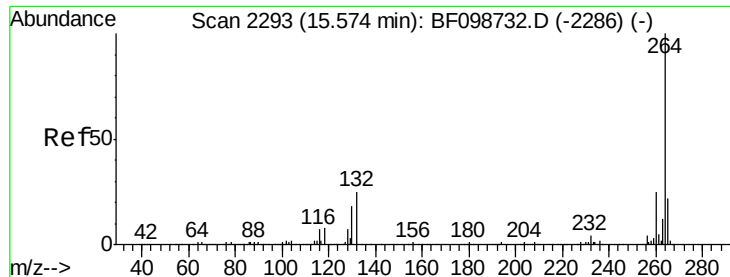
Tot Ion:228 Resp: 33565
Ion Ratio Lower Upper
228 100
226 29.0 22.6 33.8
229 21.9 15.8 23.6



#82
Chrysene
Concen: 3.11 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099520.D
Acq: 15 Oct 2017 18:17

Tgt Ion:228 Resp: 31332
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.6
229 21.9 16.2 24.4

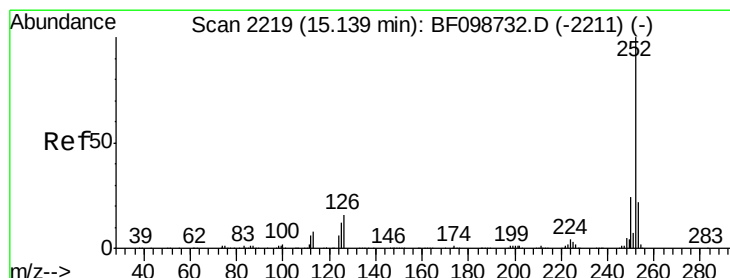
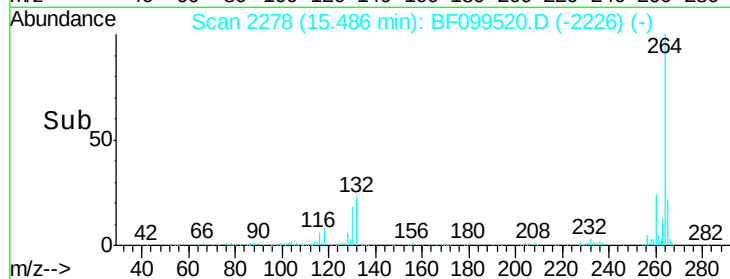
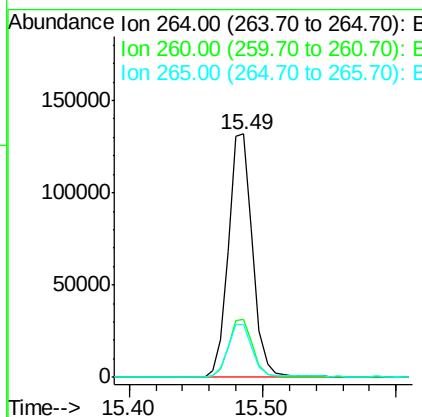
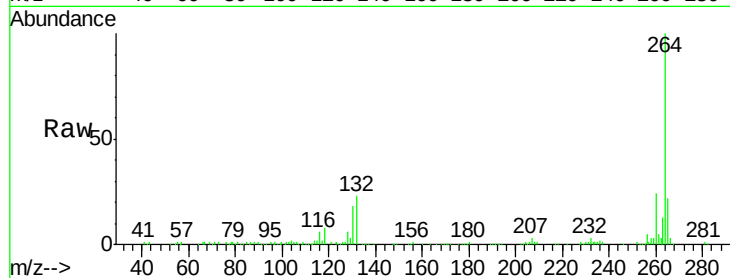




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099520.D
Acq: 15 Oct 2017 18:17

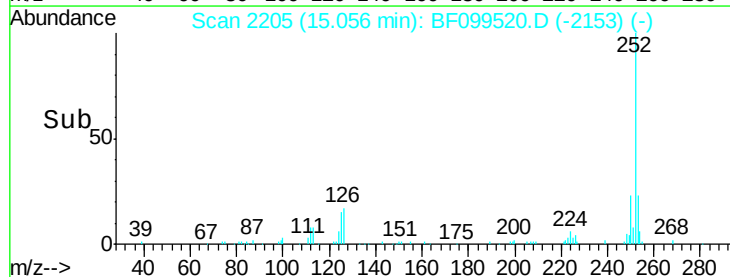
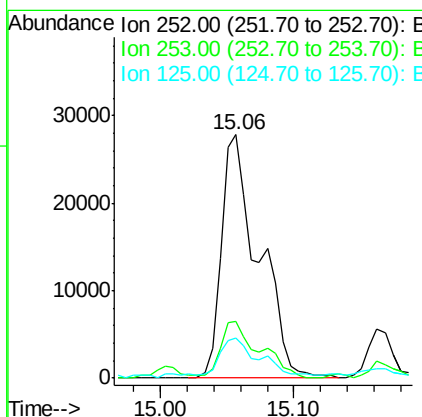
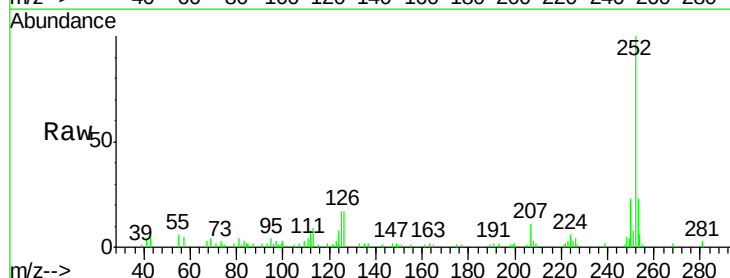
Instrument :
BNA_F
ClientSampleId :

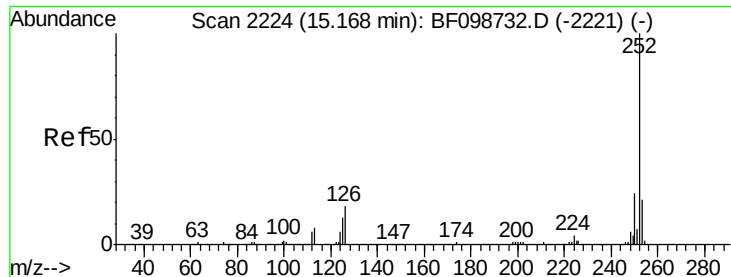
Tot Ion:264 Resp: 168315
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.23 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099520.D
Acq: 15 Oct 2017 18:17

Tgt Ion:252 Resp: 54104
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 16.6 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 5.29 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF099520.D

Acq: 15 Oct 2017 18:17

Instrument :

BNA_F

ClientSampleId :

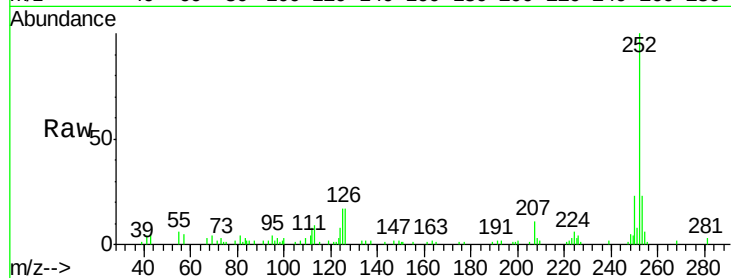
Tot Ion:252 Resp: 54104

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

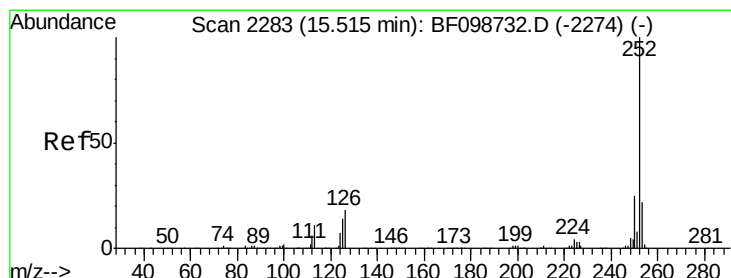
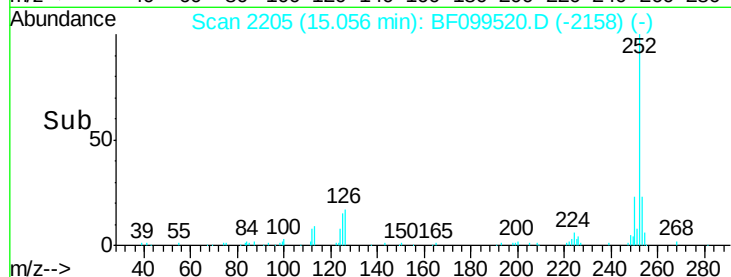
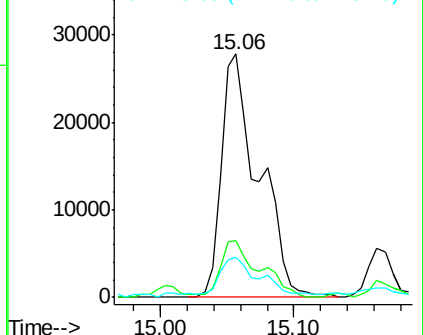
125 16.6 10.2 15.2#



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: 3.02 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.00 min

Lab File: BF099520.D

Acq: 15 Oct 2017 18:17

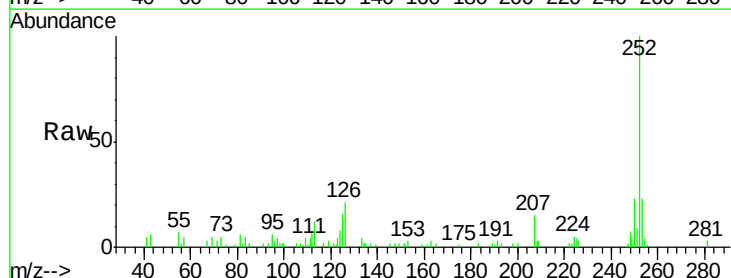
Tgt Ion:252 Resp: 28650

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 15.7 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

