

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097290.D
 Acq On : 2 Aug 2017 23:02
 Operator : SJ/JU
 Sample : I4540-21 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 03 00:48:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	117753	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	488456	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	210711	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	299572	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	218096	20.00	ng	-0.05
86) Perylene-d12	14.92	264	165457	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.05	112	218129	27.93	ng	-0.05
7) Phenol-d6	6.12	99	275106	30.85	ng	-0.05
23) Nitrobenzene-d5	7.02	82	136235	16.36	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	40320	24.22	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	259625	20.91	ng	-0.06
78) Terphenyl-d14	12.53	244	144656	13.52	ng	-0.06

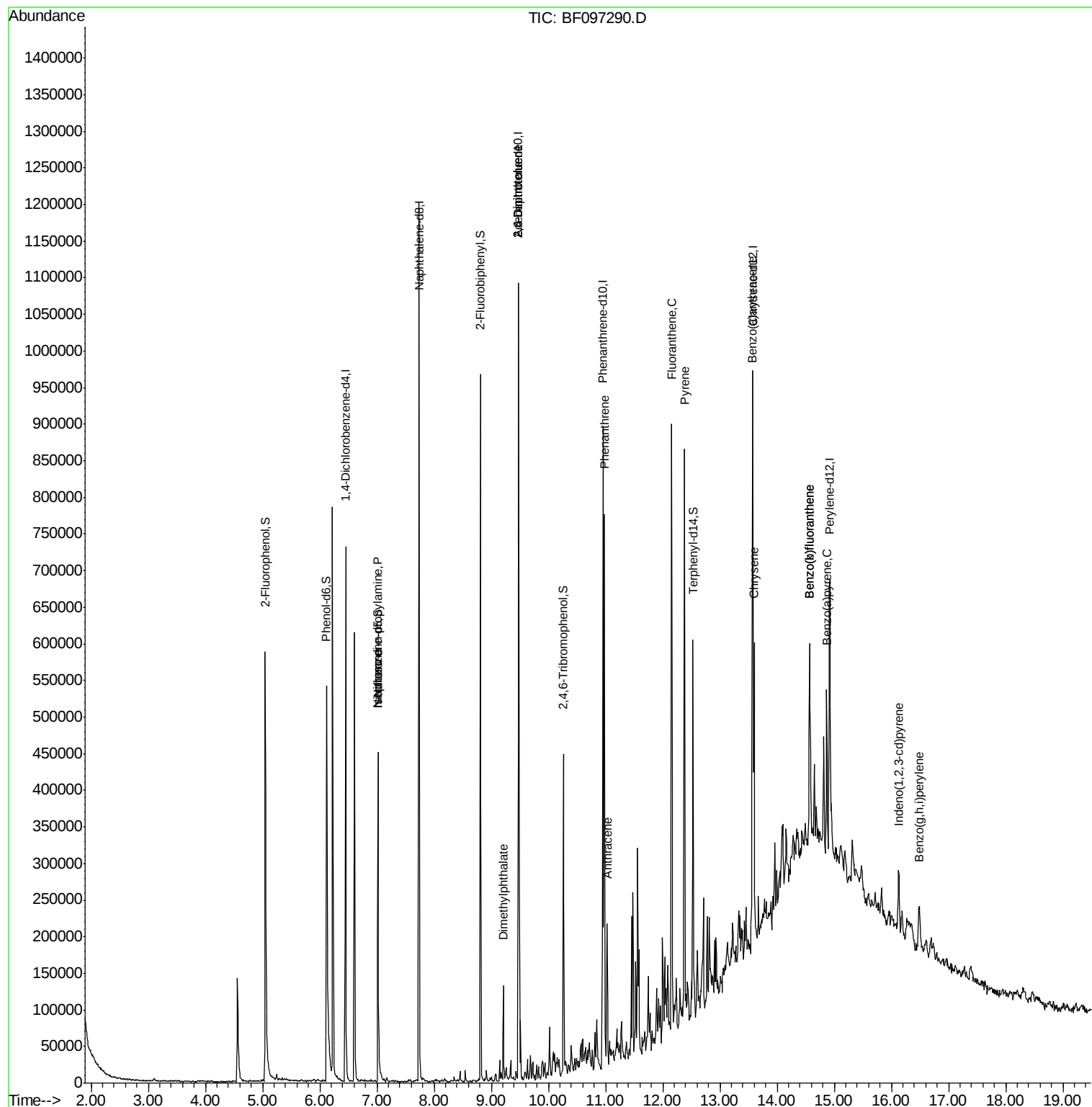
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.02	70	18120	3.09	ng	# 86
25) Isophorone	7.02	82	131337	8.05	ng	# 67
49) Dimethylphthalate	9.21	163	47621	2.98	ng	97
50) 2,6-Dinitrotoluene	9.47	165	26859	7.91	ng	# 34
56) 2,4-Dinitrotoluene	9.47	165	26859	6.88	ng	# 33
70) Phenanthrene	10.97	178	255832	15.94	ng	98
71) Anthracene	11.03	178	69946	4.25	ng	97
74) Fluoranthene	12.16	202	330432	21.01	ng	99
77) Pyrene	12.38	202	312047	17.48	ng	98
80) Benzo(a)anthracene	13.56	228	147724	10.47	ng	98
82) Chrysene	13.60	228	144181	10.46	ng	99
85) Indeno(1,2,3-cd)pyrene	16.13	276	42405	3.59	ng	95
87) Benzo(b)fluoranthene	14.57	252	168856	16.98	ng	# 96
88) Benzo(k)fluoranthene	14.57	252	168856	17.82	ng	99
89) Benzo(a)pyrene	14.87	252	87162	9.58	ng	# 96
91) Benzo(g,h,i)perylene	16.49	276	40831	5.22	ng	95

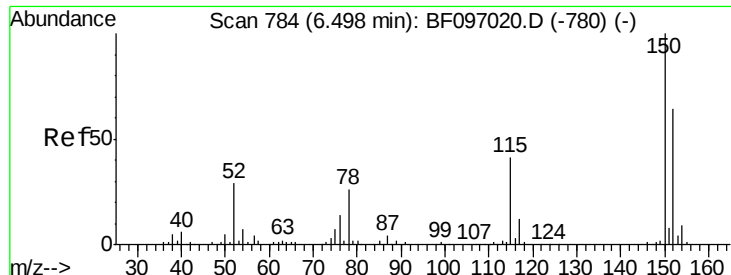
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097290.D
Acq On : 2 Aug 2017 23:02
Operator : SJ/JU
Sample : I4540-21 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 03 00:48:11 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration



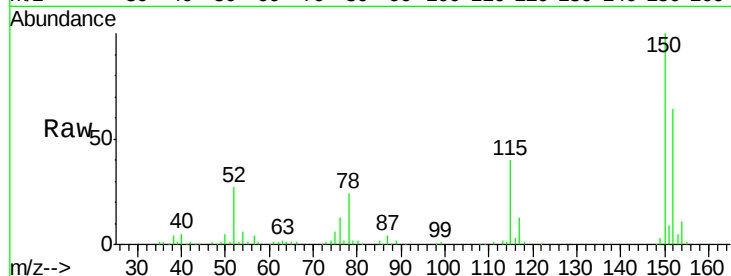


#1

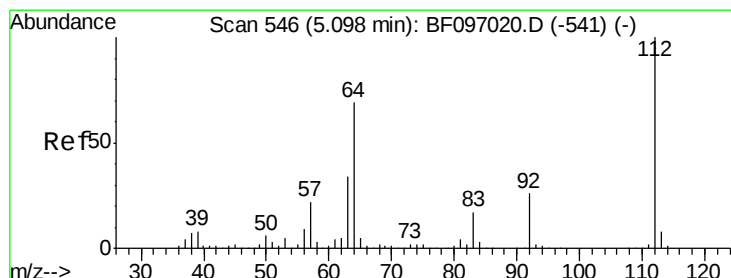
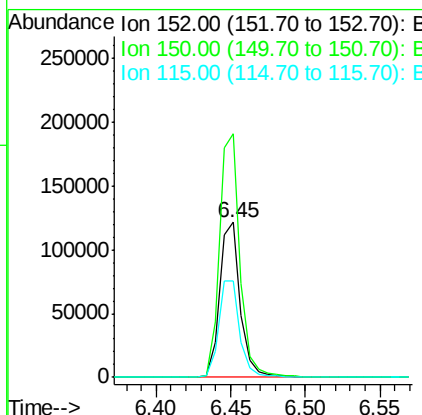
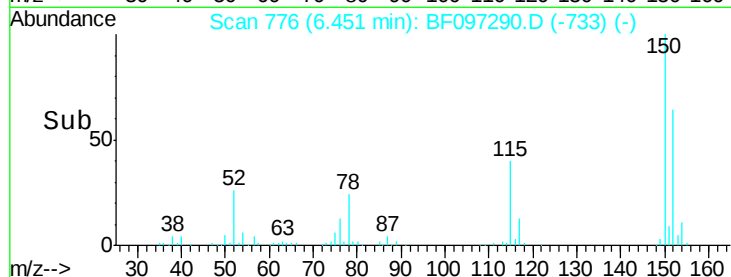
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 117753
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.2
115 62.1 52.2 78.2



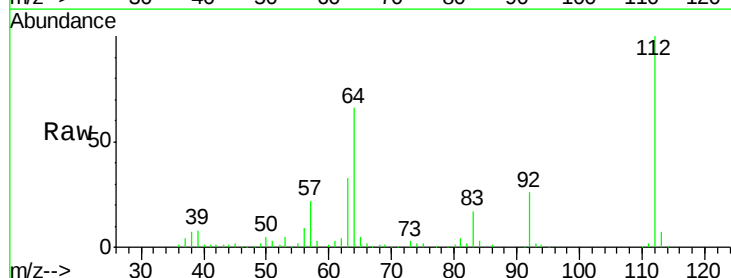
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



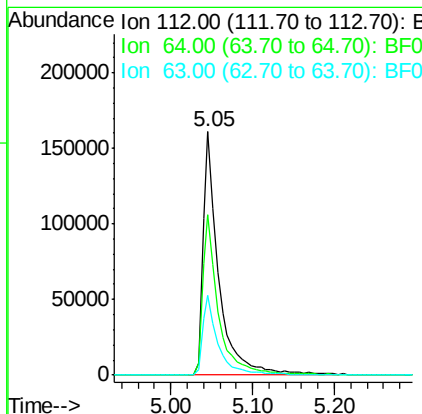
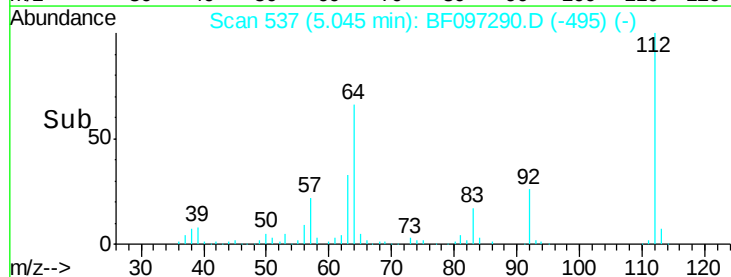
#5

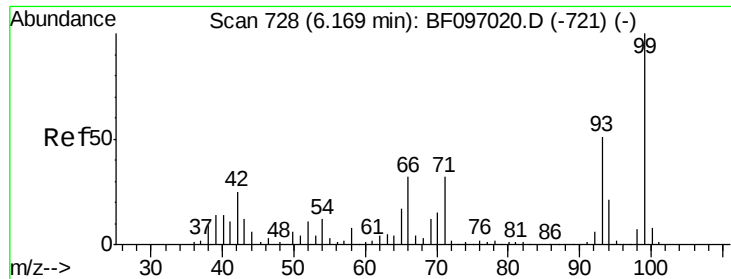
2-Fluorophenol
Concen: 27.93 ng
RT: 5.05 min Scan# 537
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Tgt Ion:112 Resp: 218129
Ion Ratio Lower Upper
112 100
64 65.8 46.0 69.0
63 32.8 23.4 35.0



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: 30.85 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Instrument :

BNA_F

ClientSampled :

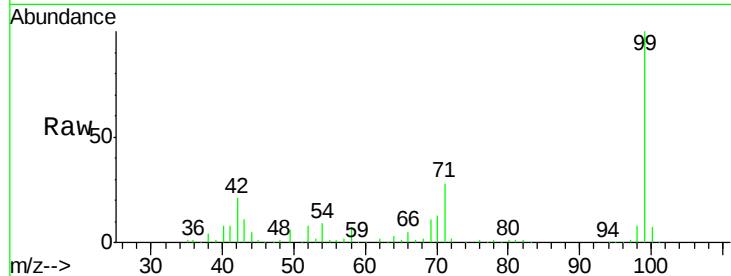
Tot Ion: 99 Resp: 275106

Ion Ratio Lower Upper

99 100

42 21.4 13.5 20.3#

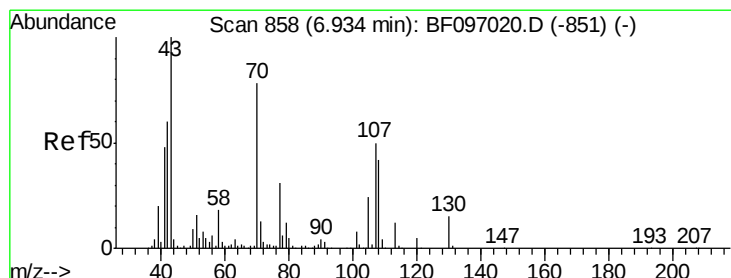
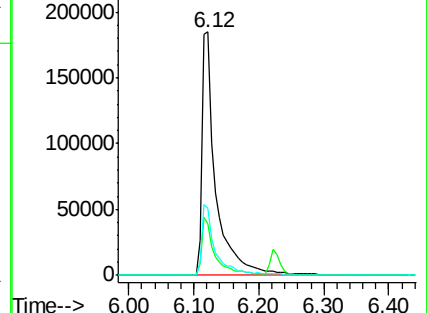
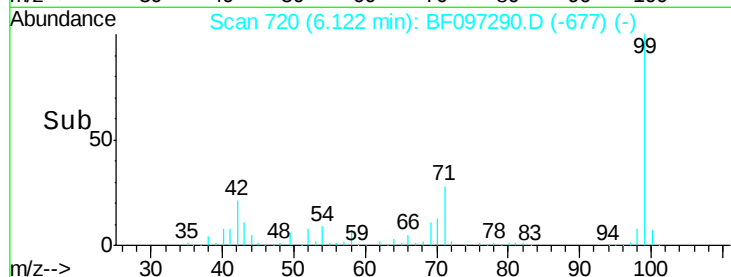
71 27.7 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.09 ng

RT: 7.02 min Scan# 872

Delta R.T. 0.08 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Tgt Ion: 70 Resp: 18120

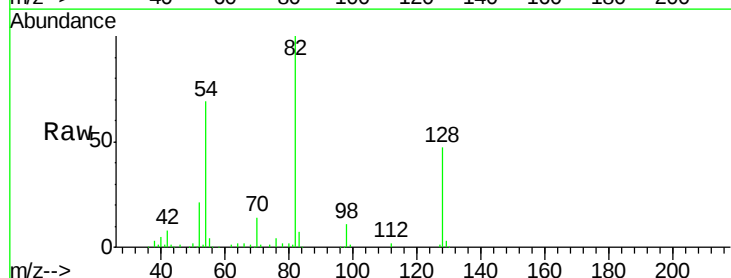
Ion Ratio Lower Upper

70 100

42 55.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

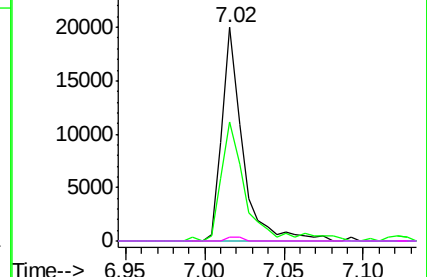
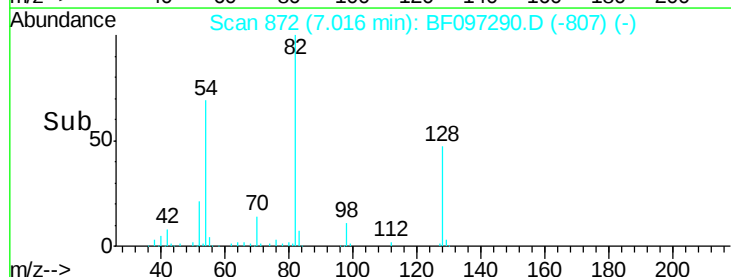


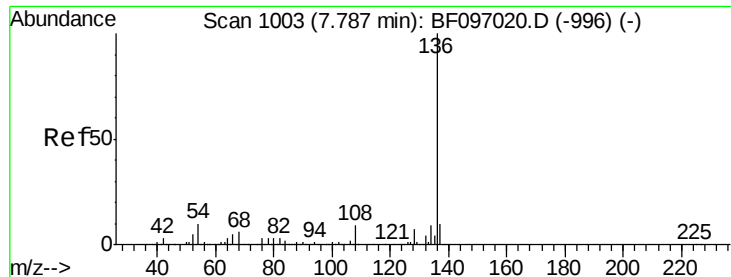
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

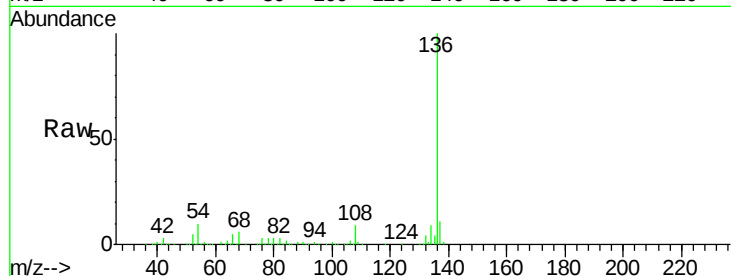




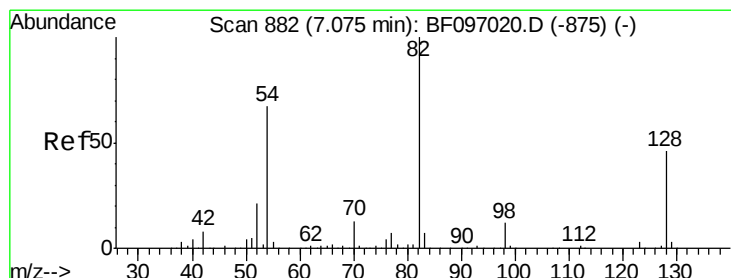
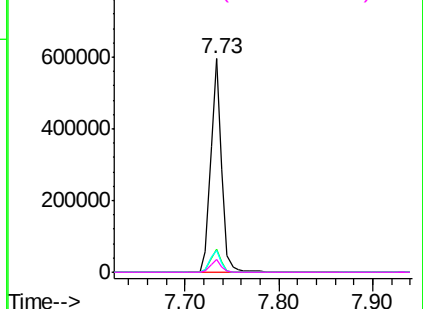
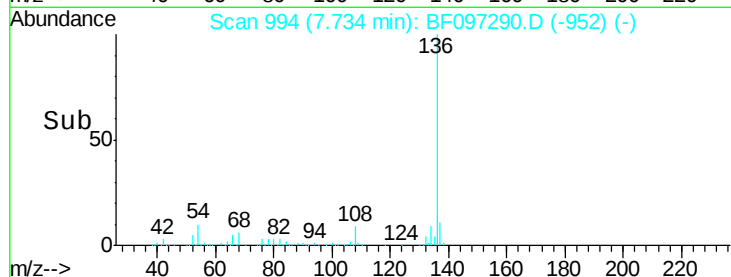
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.73 min Scan# 994
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	488456
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.5 12.7
54	10.3	4.9 7.3#
68	5.7	4.1 6.1

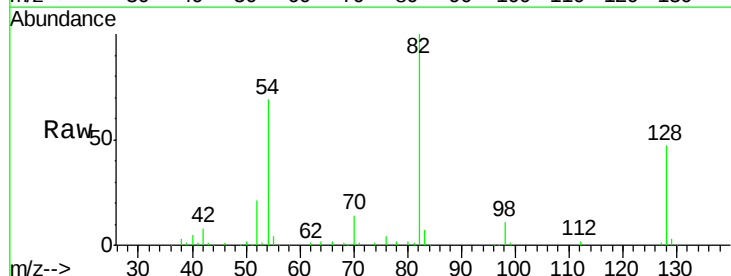


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

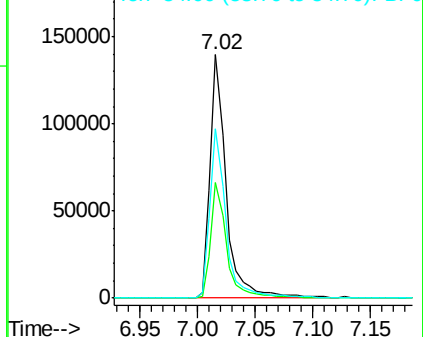
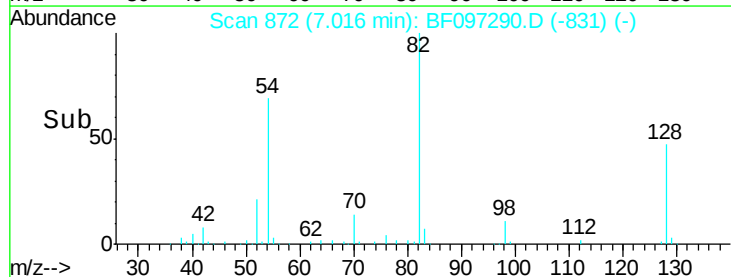


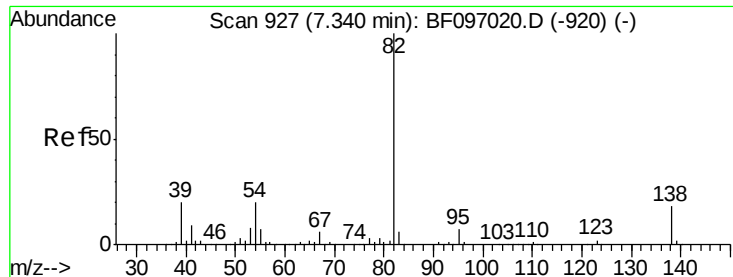
#23
Nitrobenzene-d5
Concen: 16.36 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.06 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Tgt Ion: 82	Resp:	136235
Ion Ratio	Lower	Upper
82	100	
128	47.4	34.0 51.0
54	69.5	42.2 63.2#



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: 8.05 ng

RT: 7.02 min Scan# 872

Delta R.T. -0.32 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Instrument :

BNA_F

ClientSampled :

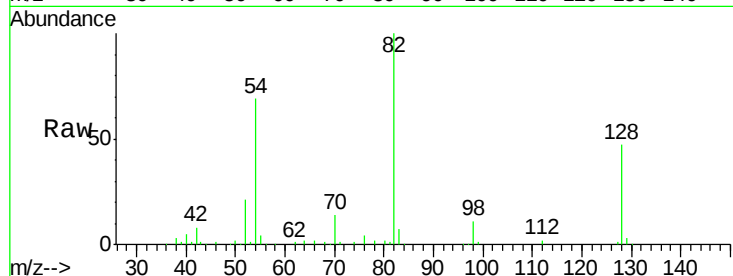
Tot Ion: 82 Resp: 131337

Ion Ratio Lower Upper

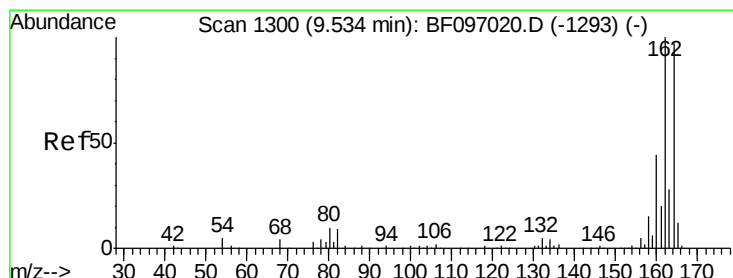
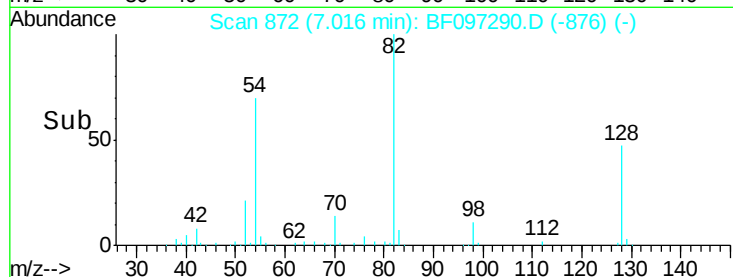
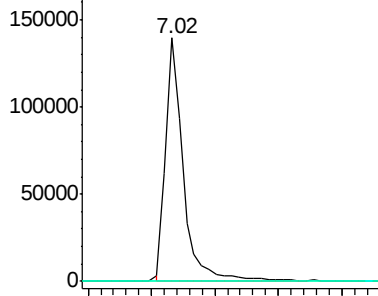
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.47 min Scan# 1290

Delta R.T. -0.06 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

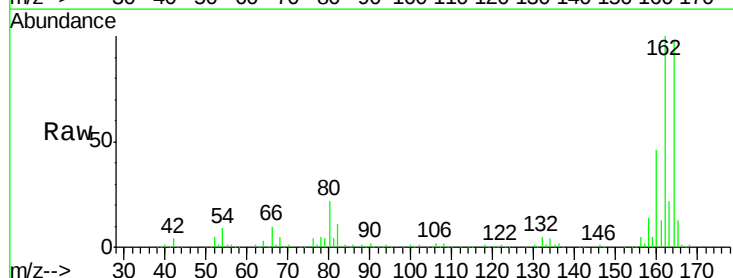
Tgt Ion:164 Resp: 210711

Ion Ratio Lower Upper

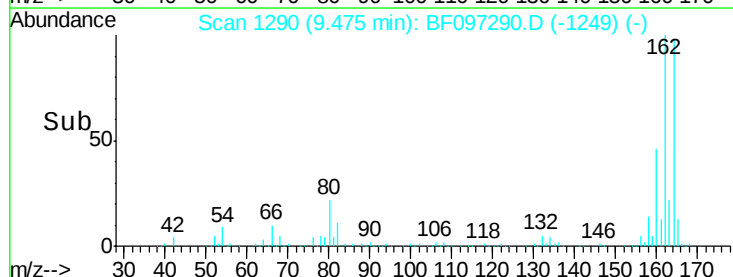
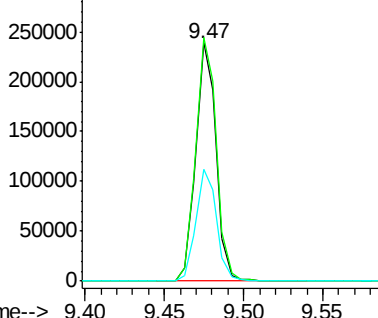
164 100

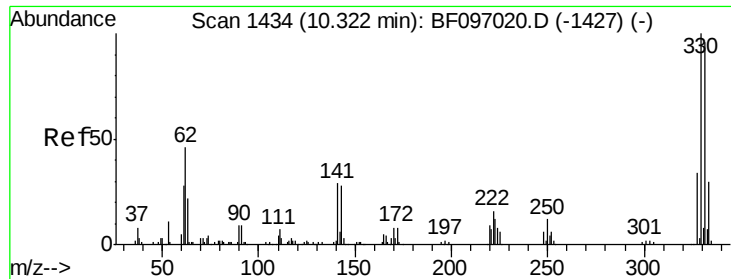
162 102.1 82.6 123.8

160 46.7 36.2 54.2



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

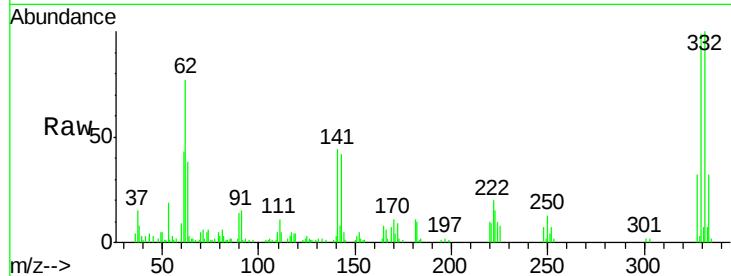




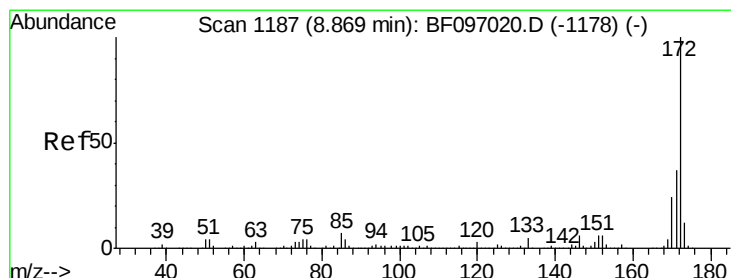
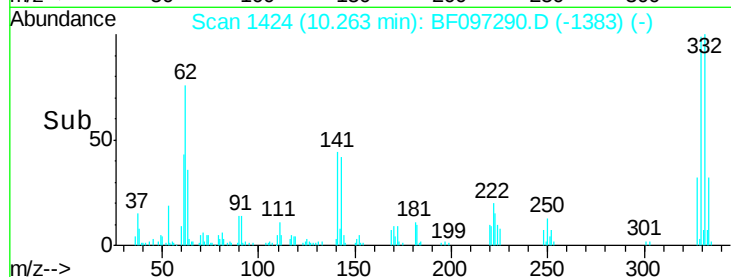
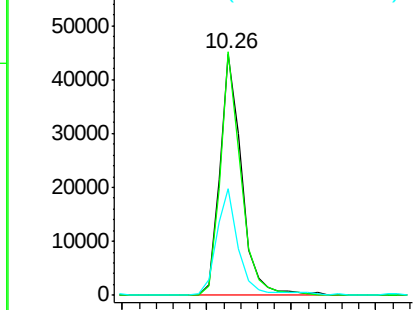
#41
 2,4,6-Tribromophenol
 Concen: 24.22 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.06 min
 Lab File: BF097290.D
 Acq: 2 Aug 2017 23:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 40320
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 115.0
 141 46.2 31.4 47.2

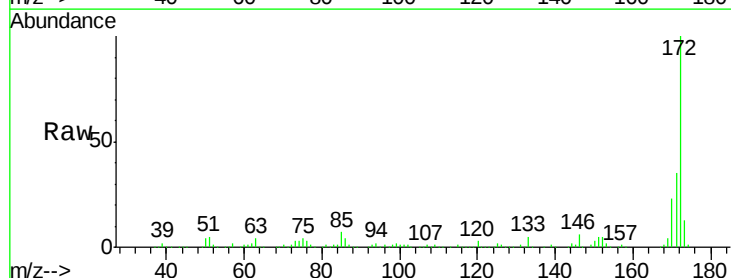


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

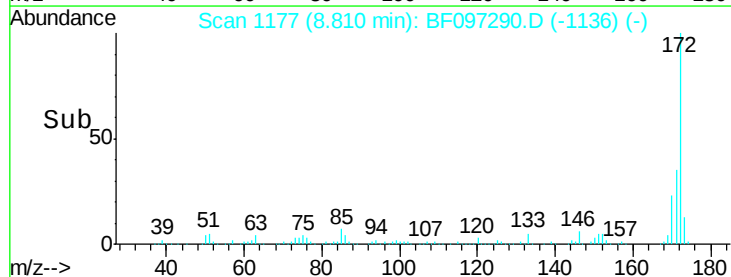
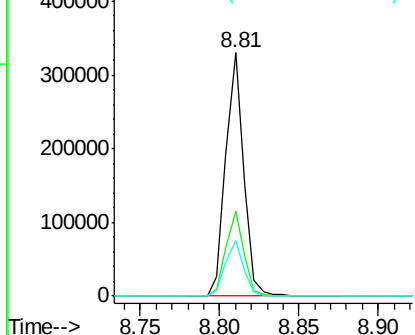


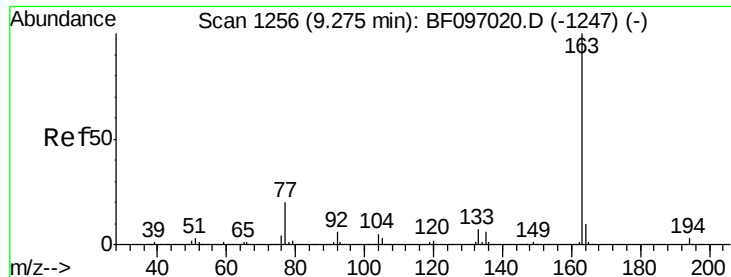
#44
 2-Fluorobiphenyl
 Concen: 20.91 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.06 min
 Lab File: BF097290.D
 Acq: 2 Aug 2017 23:02

Tgt Ion:172 Resp: 259625
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.6 44.4
 170 23.0 19.8 29.8



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

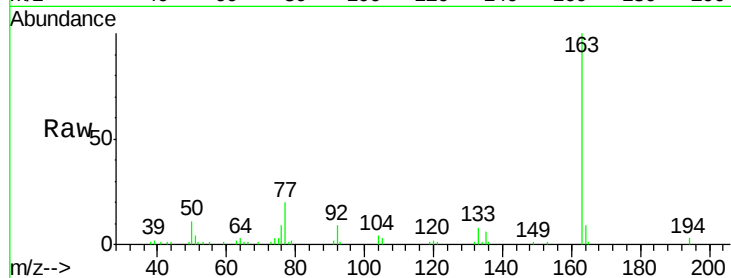




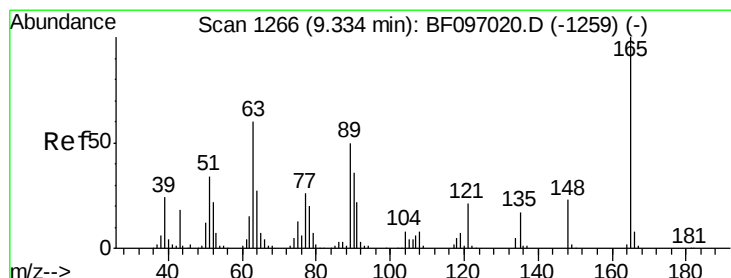
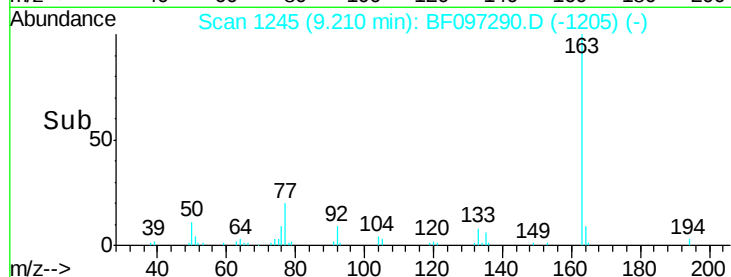
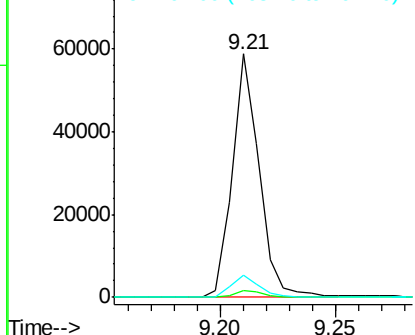
#49
Dimethylphthalate
Concen: 2.98 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 47621
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 9.3 8.4 12.6

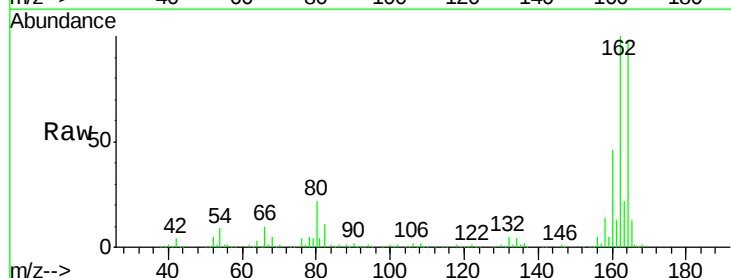


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

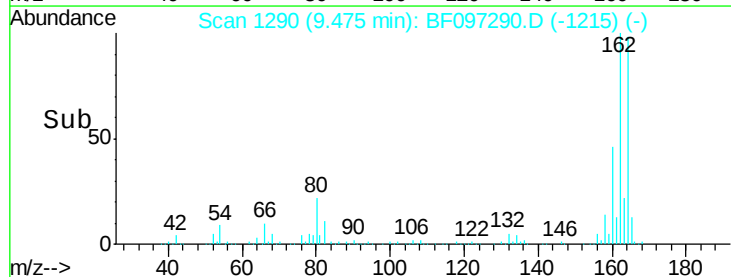
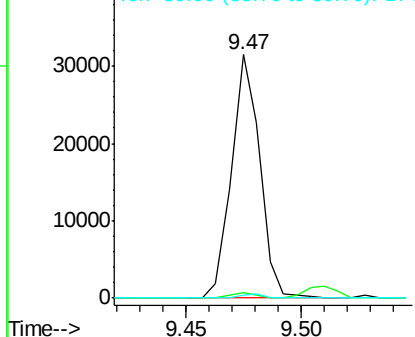


#50
2,6-Dinitrotoluene
Concen: 7.91 ng
RT: 9.47 min Scan# 1290
Delta R.T. 0.14 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Tgt Ion:165 Resp: 26859
Ion Ratio Lower Upper
165 100
63 2.1 34.3 51.5#
89 1.3 37.1 55.7#



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

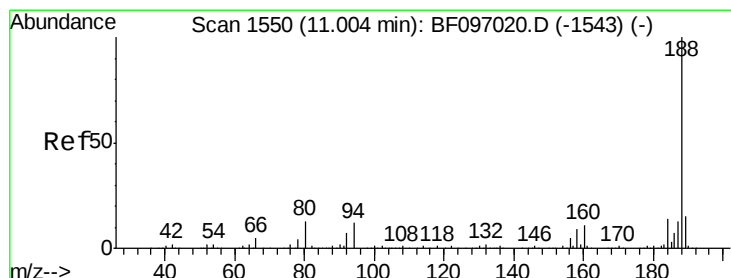
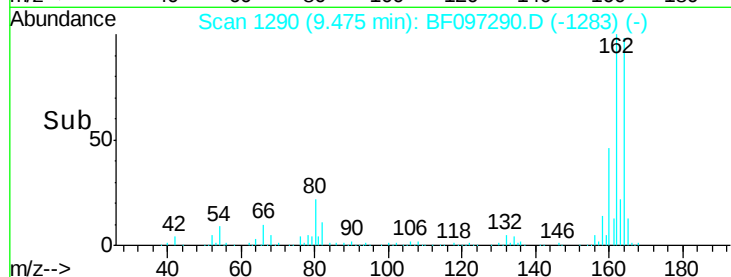
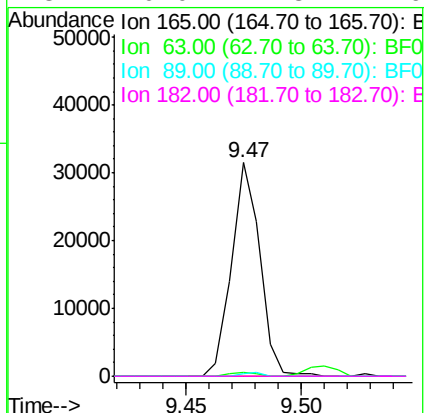
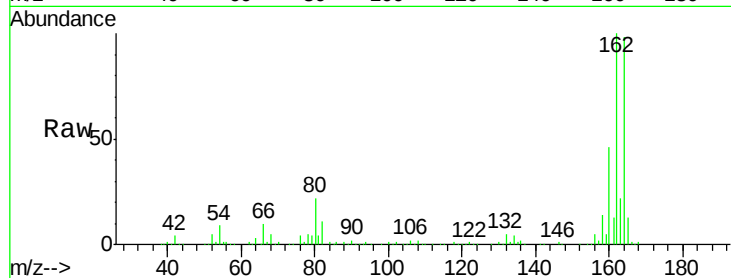




#56
 2,4-Dinitrotoluene
 Concen: 6.88 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.26 min
 Lab File: BF097290.D
 Acq: 2 Aug 2017 23:02

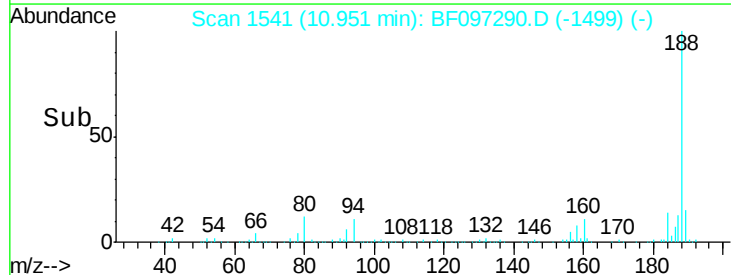
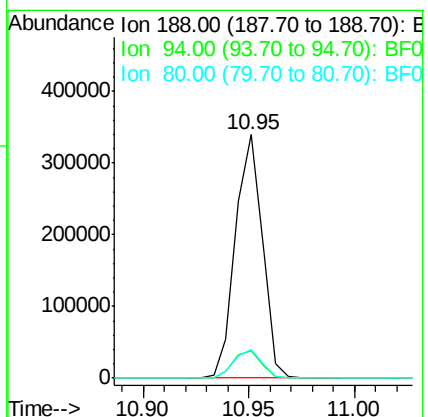
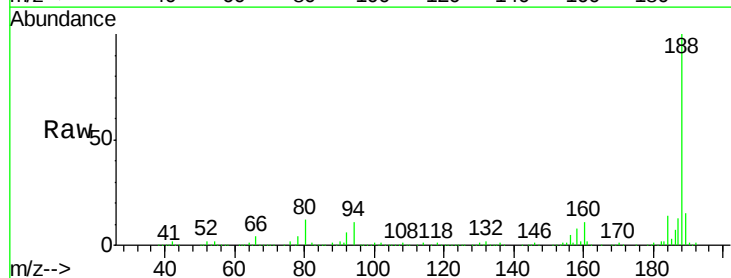
Instrument :
 BNA_F
 ClientSampleID :

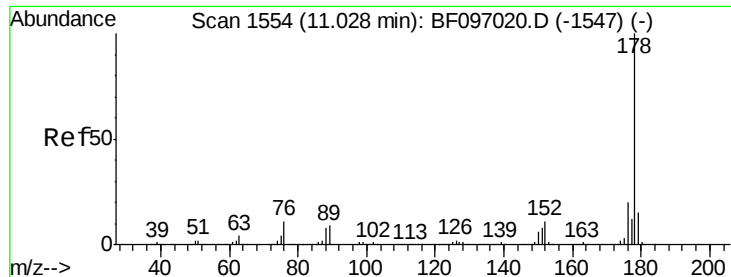
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.95 min Scan# 1541
 Delta R.T. -0.05 min
 Lab File: BF097290.D
 Acq: 2 Aug 2017 23:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	11.6	10.2	15.2

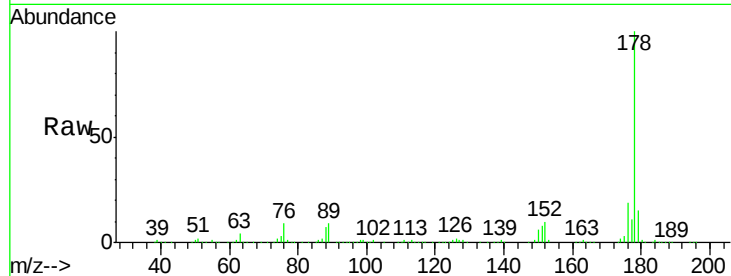




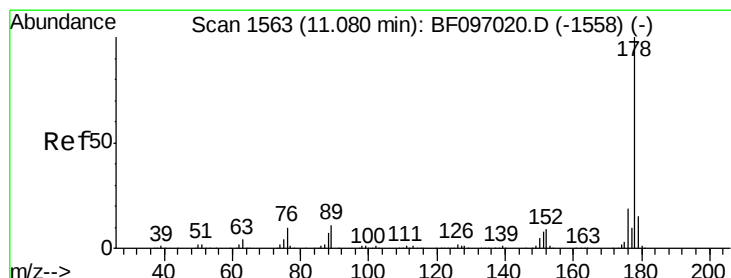
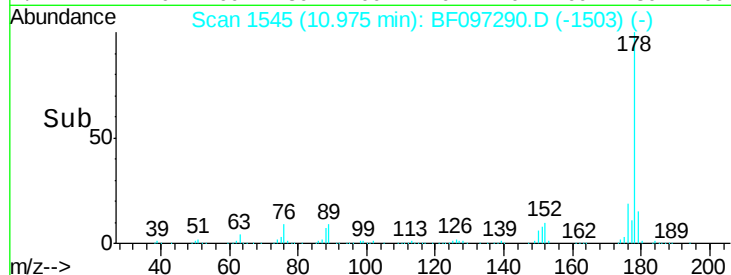
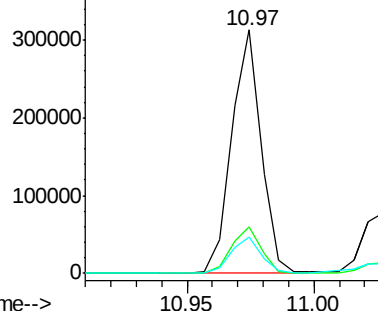
#70
Phenanthrene
Concen: 15.94 ng
RT: 10.97 min Scan# 1545
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 255832
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 15.1 12.6 19.0

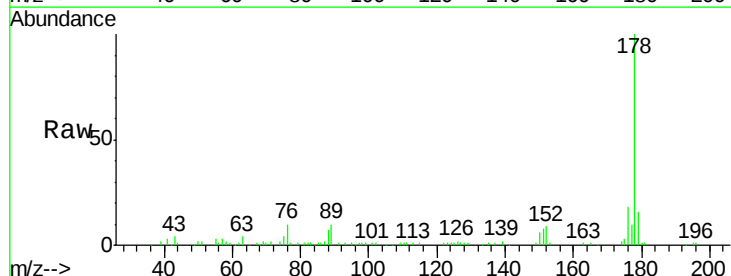


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

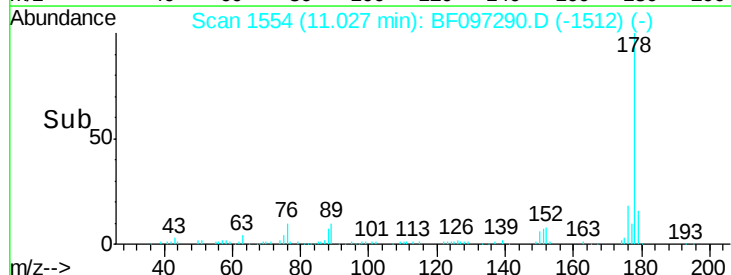
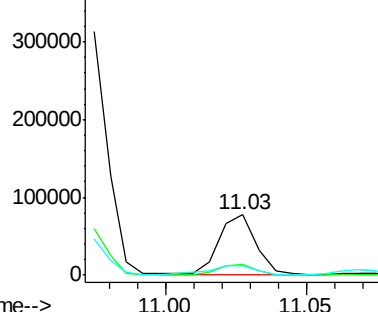


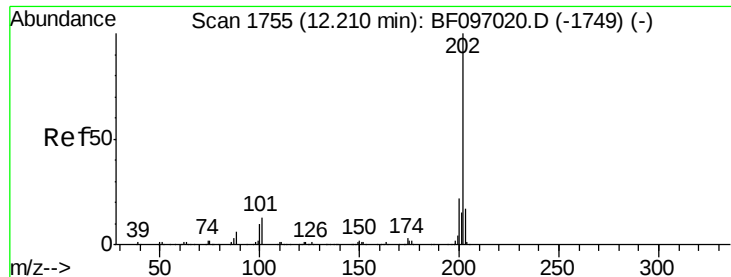
#71
Anthracene
Concen: 4.25 ng
RT: 11.03 min Scan# 1554
Delta R.T. -0.05 min
Lab File: BF097290.D
Acq: 2 Aug 2017 23:02

Tgt Ion:178 Resp: 69946
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 15.5 12.7 19.1



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: 21.01 ng

RT: 12.16 min Scan# 1746

Delta R.T. -0.05 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Instrument :

BNA_F

ClientSampleId :

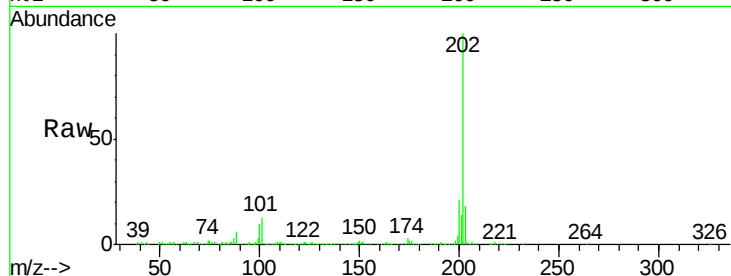
Tot Ion:202 Resp: 330432

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

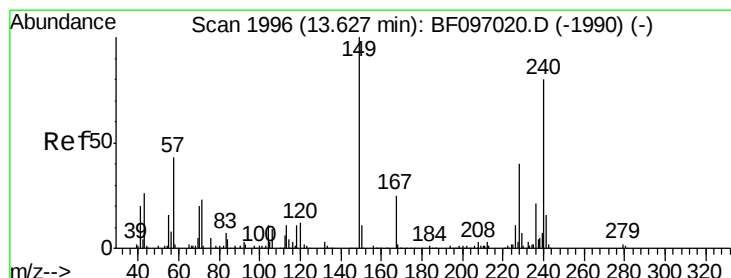
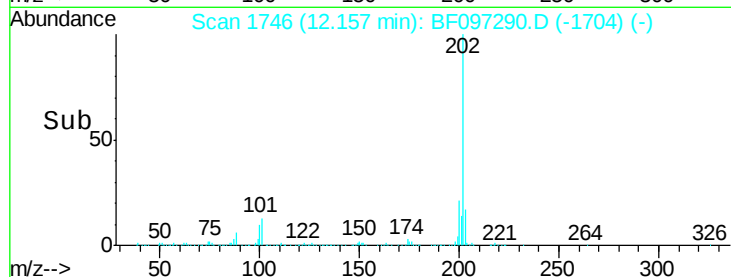
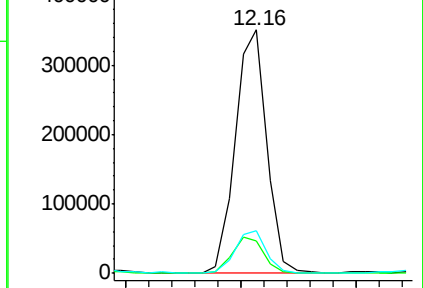
203 17.5 0.0 38.1



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: 13.57 min Scan# 1987

Delta R.T. -0.05 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

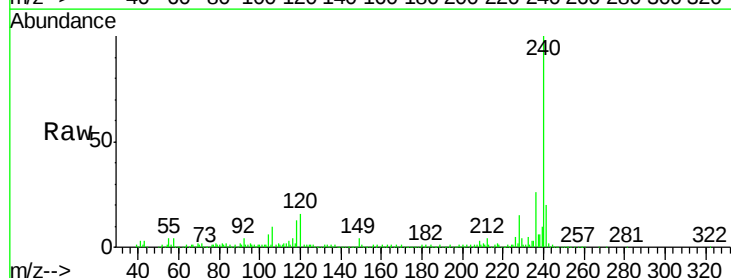
Tgt Ion:240 Resp: 218096

Ion Ratio Lower Upper

240 100

120 15.7 5.8 8.8#

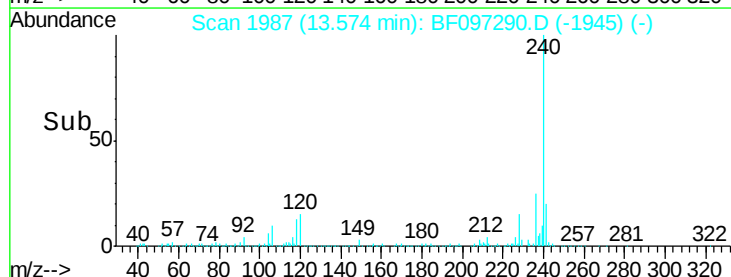
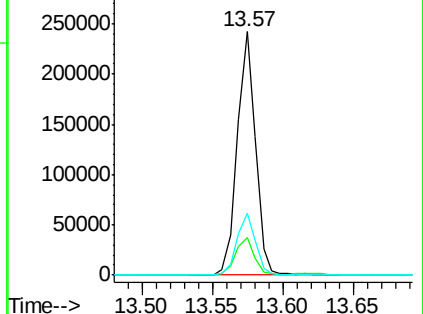
236 25.6 20.5 30.7

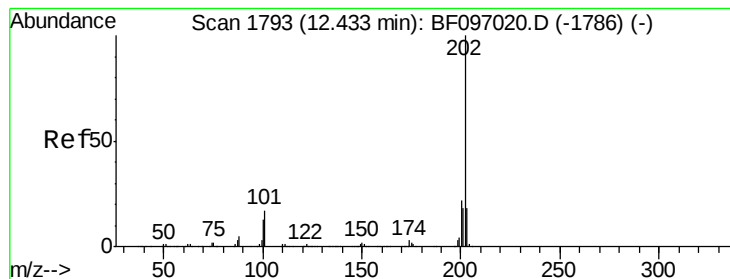


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 17.48 ng

RT: 12.38 min Scan# 1784

Delta R.T. -0.05 min

Lab File: BF097290.D

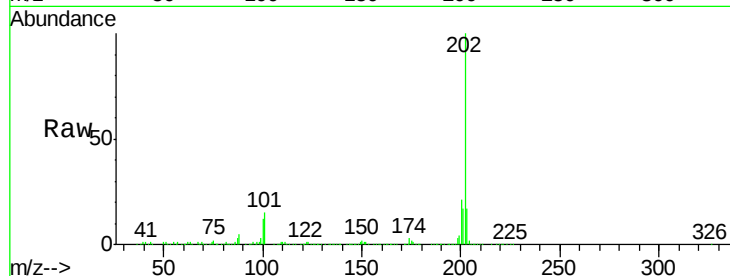
Acq: 2 Aug 2017 23:02

Instrument :

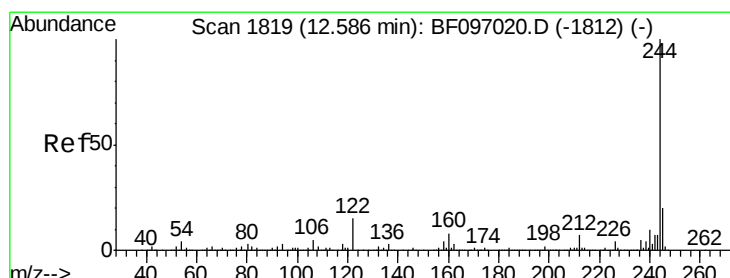
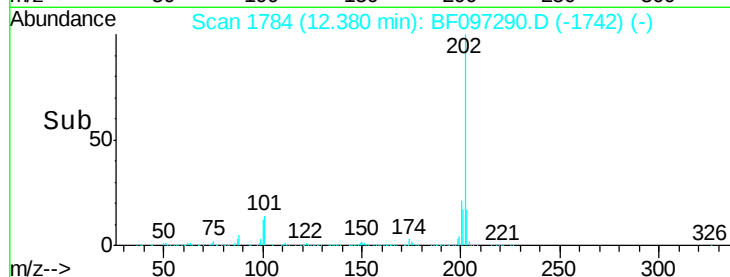
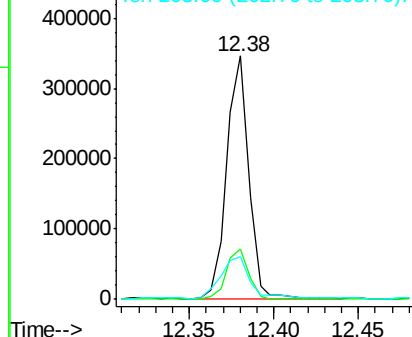
BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	312047
Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	17.3	14.4	21.6



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: 13.52 ng

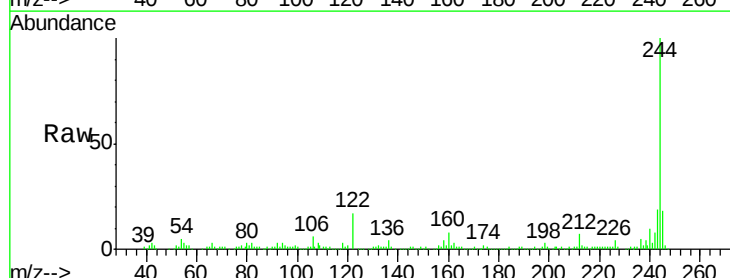
RT: 12.53 min Scan# 1809

Delta R.T. -0.06 min

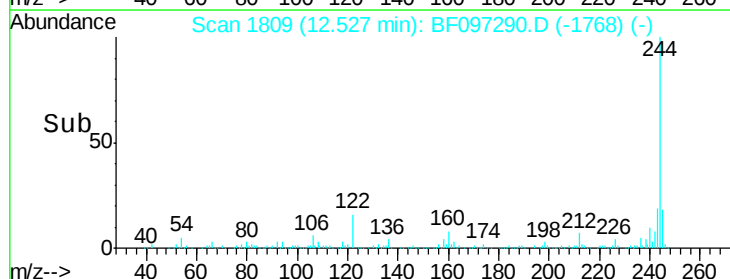
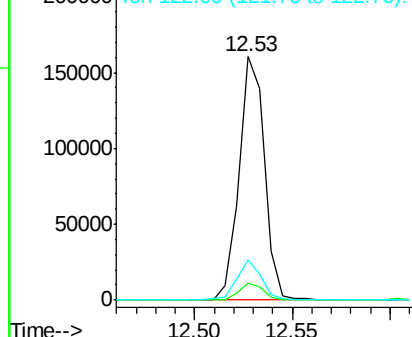
Lab File: BF097290.D

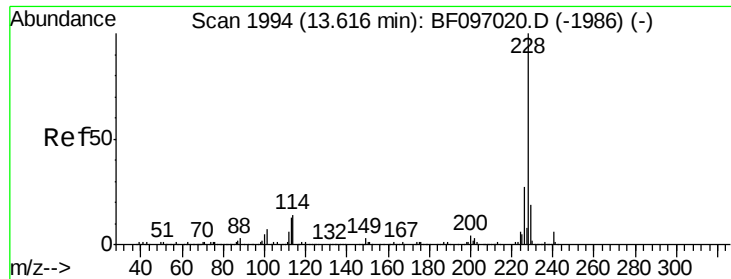
Acq: 2 Aug 2017 23:02

Tgt Ion:	244	Resp:	144656
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	16.6	10.3	15.5#



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: 10.47 ng

RT: 13.56 min Scan# 1985

Delta R.T. -0.05 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

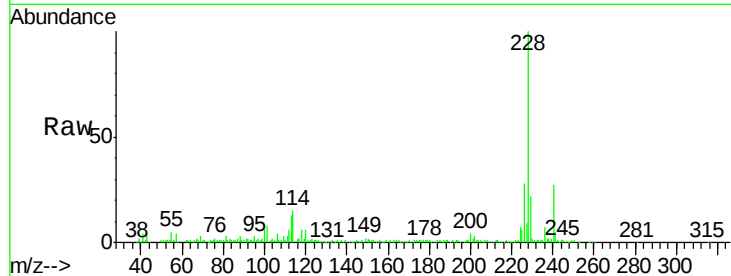
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 147724

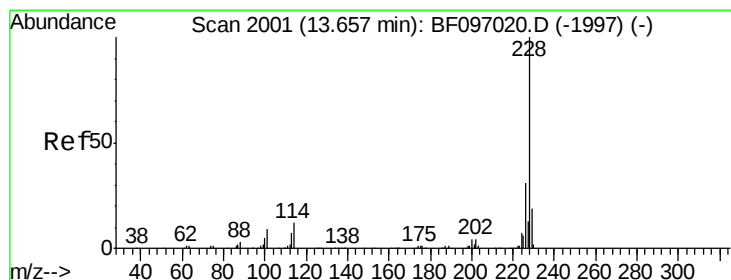
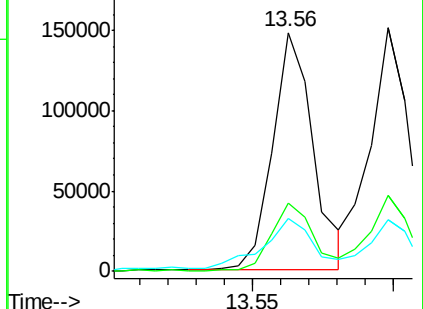
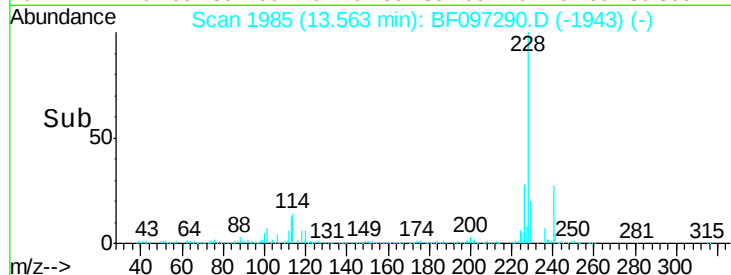
Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	22.0	16.3	24.5



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: 10.46 ng

RT: 13.60 min Scan# 1991

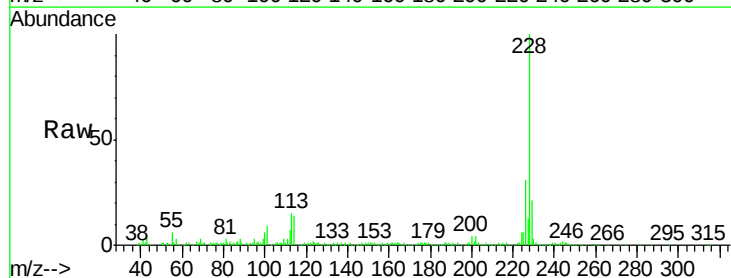
Delta R.T. -0.06 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Tgt Ion:228 Resp: 144181

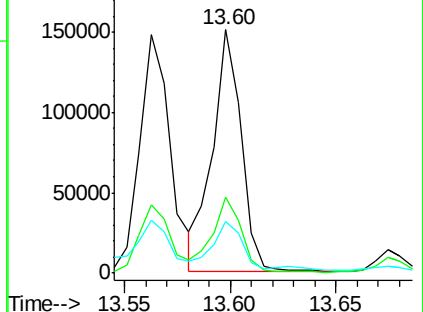
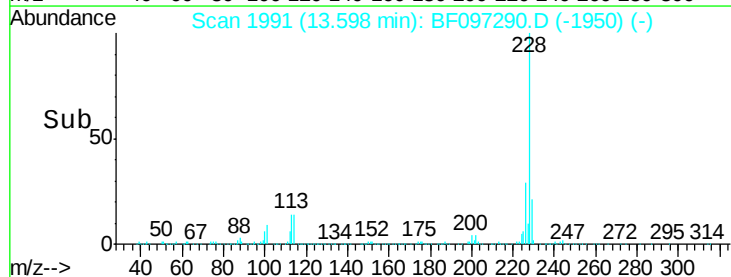
Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	21.4	15.8	23.6

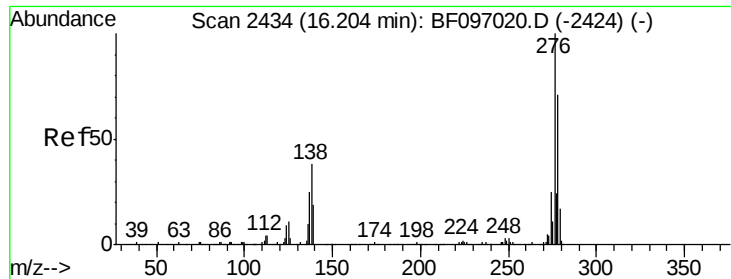


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.59 ng

RT: 16.13 min Scan# 2421

Delta R.T. -0.08 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Instrument :

BNA_F

ClientSampleId :

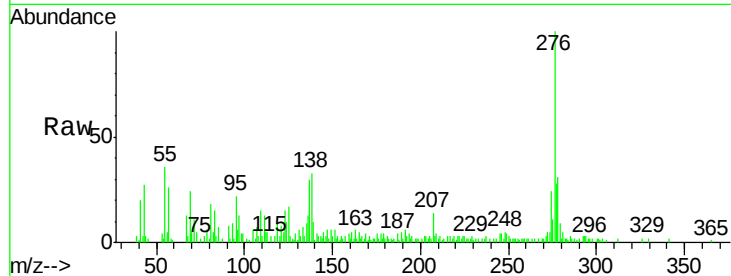
Tot Ion:276 Resp: 42405

Ion Ratio Lower Upper

276 100

138 29.6 27.8 41.6

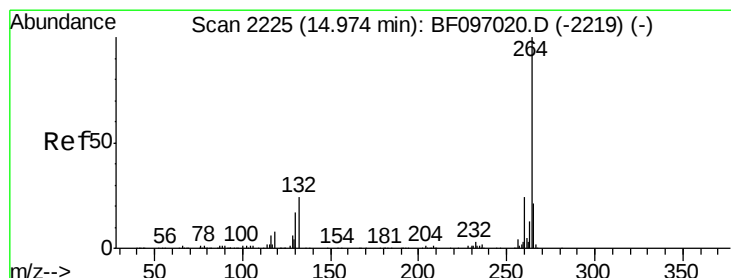
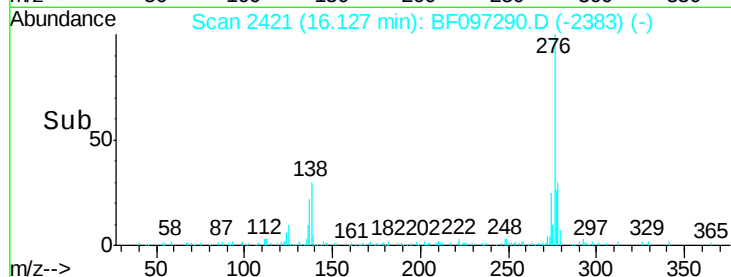
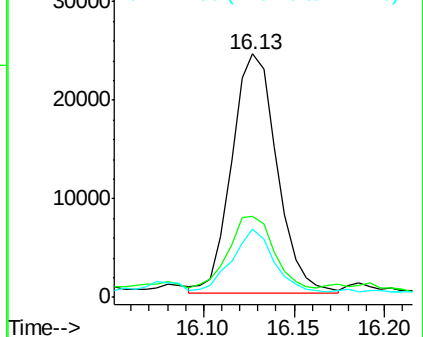
277 25.1 20.2 30.4



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: 14.92 min Scan# 2216

Delta R.T. -0.05 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

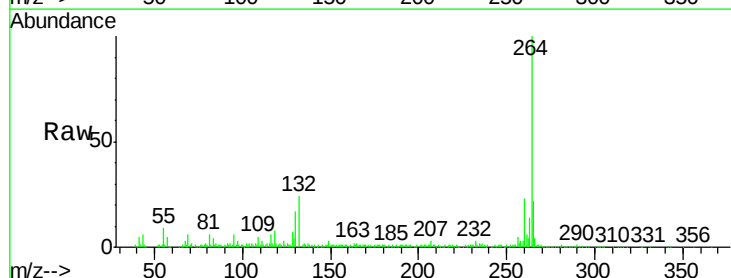
Tgt Ion:264 Resp: 165457

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

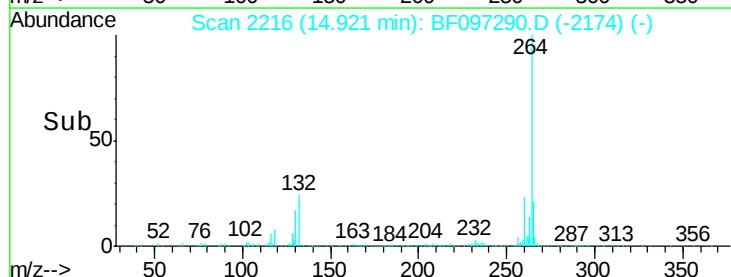
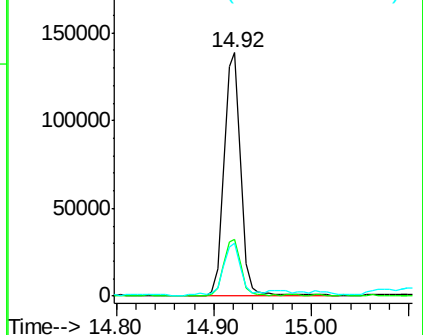
265 21.8 17.2 25.8

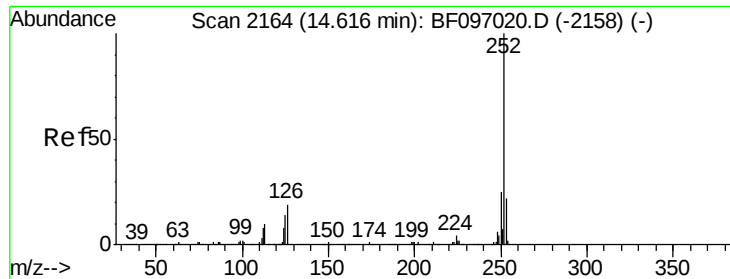


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 16.98 ng

RT: 14.57 min Scan# 2156

Delta R.T. -0.05 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Instrument :

BNA_F

ClientSampleId :

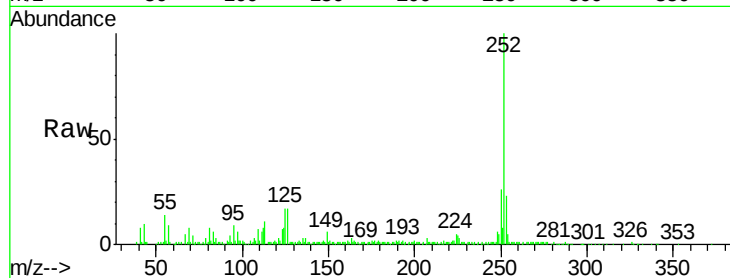
Tot Ion:252 Resp: 168856

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

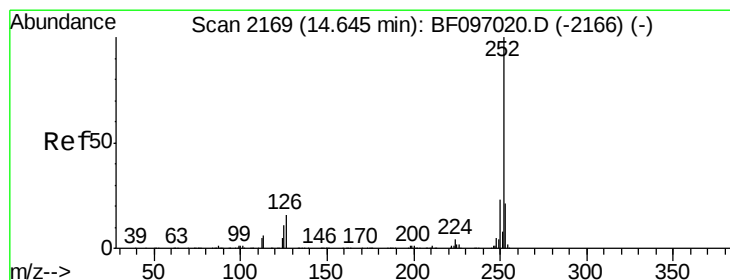
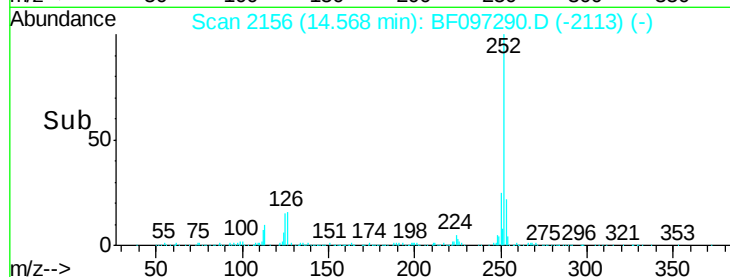
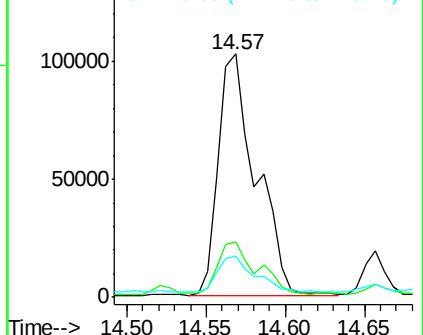
125 17.2 9.8 14.8#



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: 17.82 ng

RT: 14.57 min Scan# 2156

Delta R.T. -0.08 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

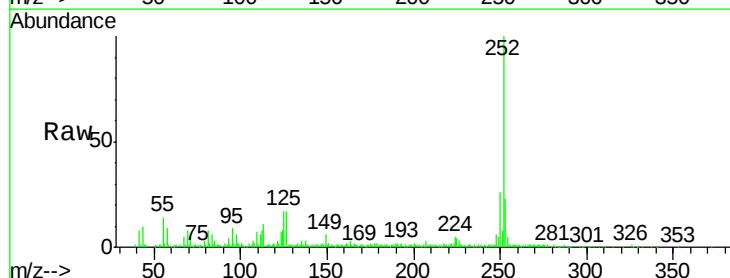
Tgt Ion:252 Resp: 168856

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

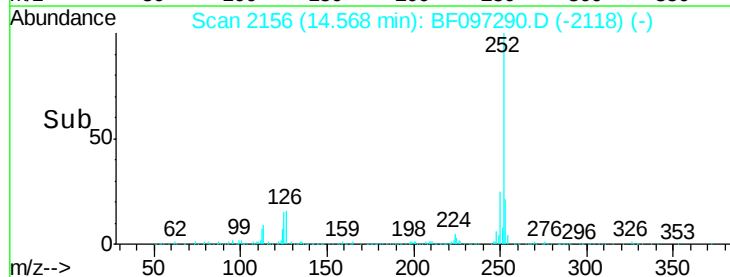
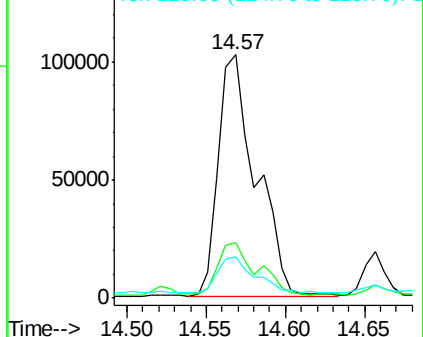
125 17.2 13.1 19.7

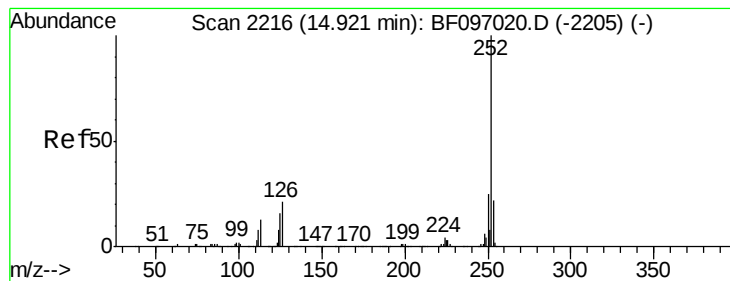


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.58 ng

RT: 14.87 min Scan# 2207

Delta R.T. -0.05 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

Instrument :

BNA_F

ClientSampleId :

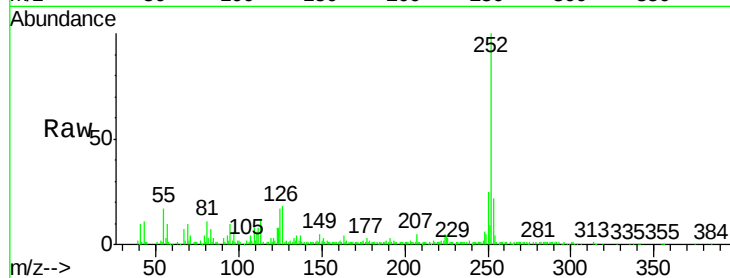
Tot Ion:252 Resp: 87162

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

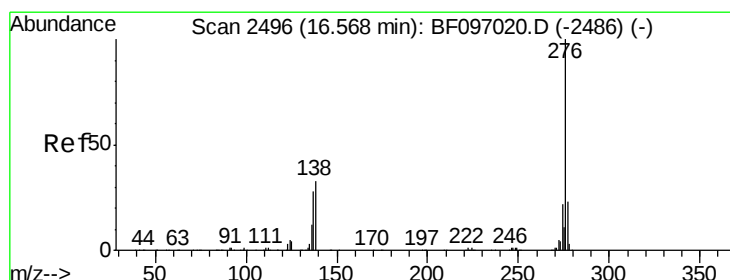
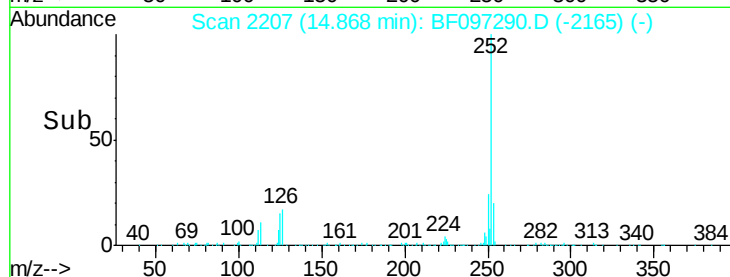
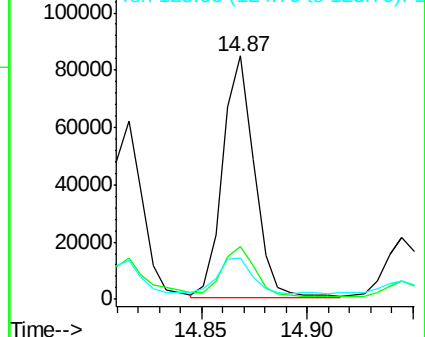
125 17.3 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 5.22 ng

RT: 16.49 min Scan# 2482

Delta R.T. -0.08 min

Lab File: BF097290.D

Acq: 2 Aug 2017 23:02

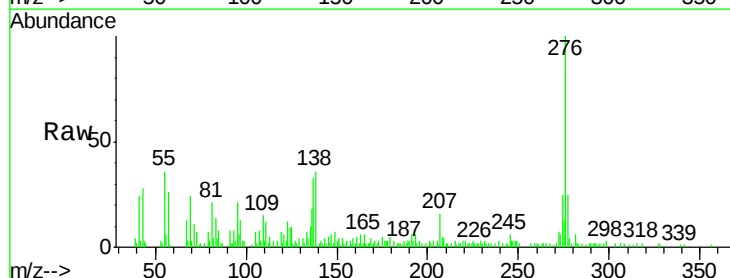
Tgt Ion:276 Resp: 40831

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 35.7 25.4 38.0



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

