

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042115\
 Data File : BF078692.D
 Acq On : 21 Apr 2015 19:34
 Operator : TP/IZ
 Sample : G1938-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-67D

Quant Time: Apr 22 02:26:43 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 00:52:13 2015
 Response via : Initial Calibration

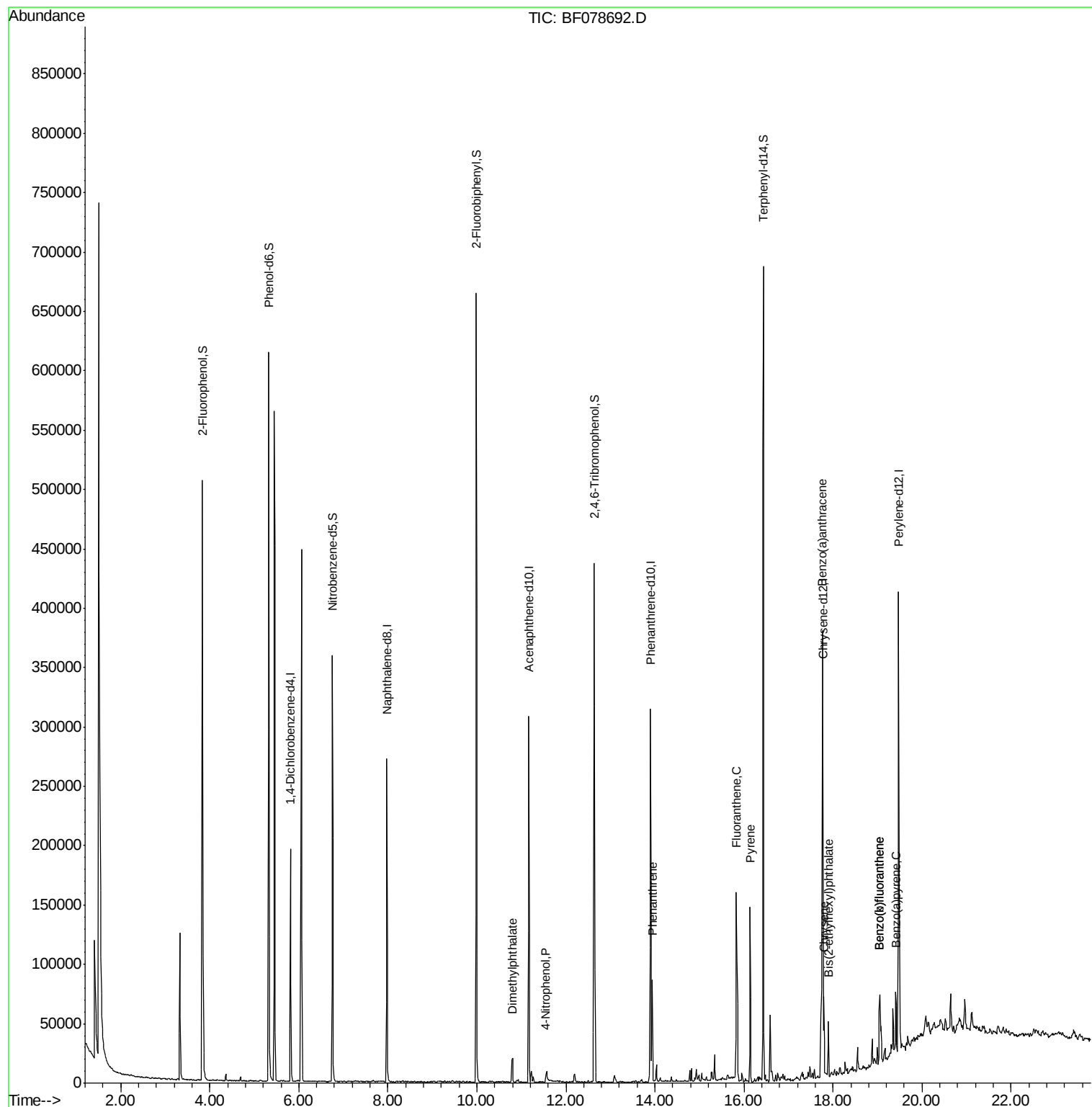
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	38831	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	165467	20.00	ng	-0.01
38) Acenaphthene-d10	11.16	164	87245	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	174506	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	176015	20.00	ng	-0.01
86) Perylene-d12	19.47	264	168000	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.84	112	212639	90.29	ng	0.01
7) Phenol-d6	5.32	99	278088	94.22	ng	0.00
23) Nitrobenzene-d5	6.75	82	161296	59.09	ng	-0.01
41) 2,4,6-Tribromophenol	12.64	330	74686	103.22	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	303804	49.78	ng	-0.01
78) Terphenyl-d14	16.43	244	321497	41.27	ng	0.00
Target Compounds						
49) Dimethylphthalate	10.80	163	15690	2.39	ng	# 98
55) 4-Nitrophenol	11.55	139	464	3.16	ng	# 18
70) Phenanthrene	13.94	178	53022	5.25	ng	99
74) Fluoranthene	15.83	202	73967	6.95	ng	95
77) Pyrene	16.14	202	68337	6.18	ng	97
80) Benzo(a)anthracene	17.76	228	31633	3.02	ng	98
82) Chrysene	17.79	228	28555	2.90	ng	99
83) Bis(2-ethylhexyl)phthalate	17.90	149	14216	2.15	ng	99
87) Benzo(b)fluoranthene	19.05	252	46031	4.43	ng	# 93
88) Benzo(k)fluoranthene	19.05	252	46255	5.01	ng	95
89) Benzo(a)pyrene	19.41	252	26593	2.93	ng	# 92

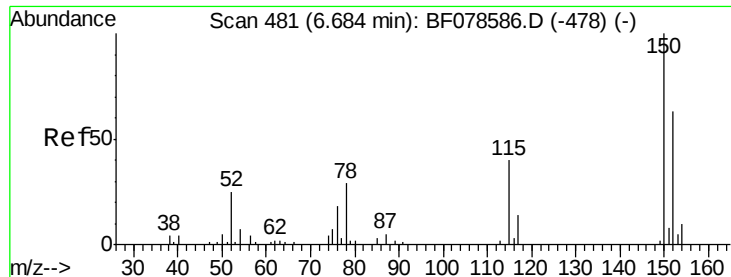
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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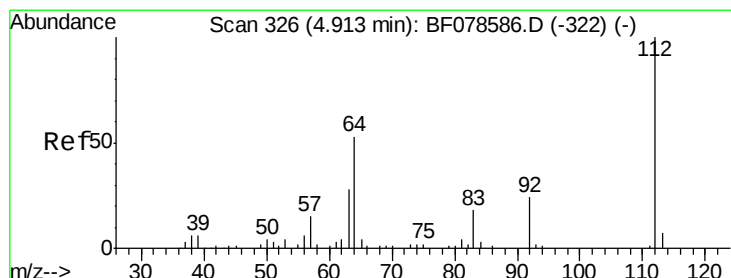
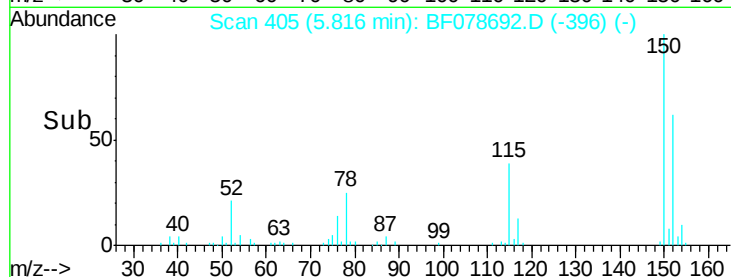
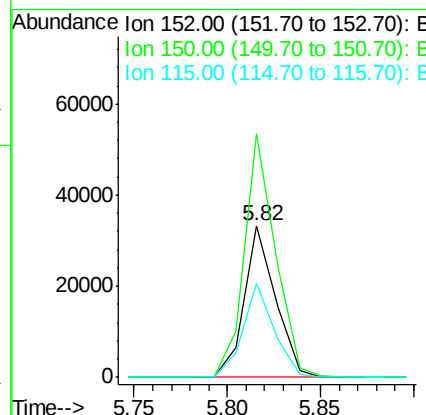
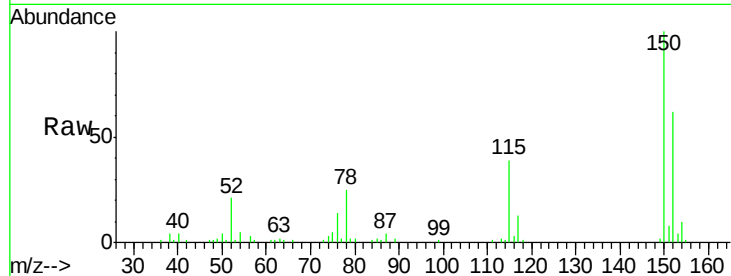




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.82 min Scan# 405
 Delta R.T. -0.00 min
 Lab File: BF078692.D
 Acq: 21 Apr 2015 19:34

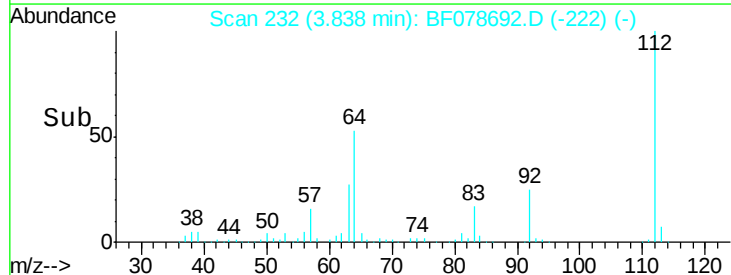
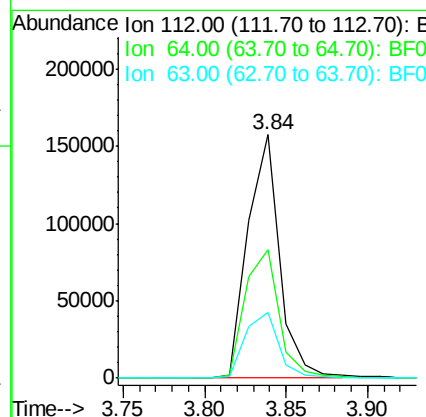
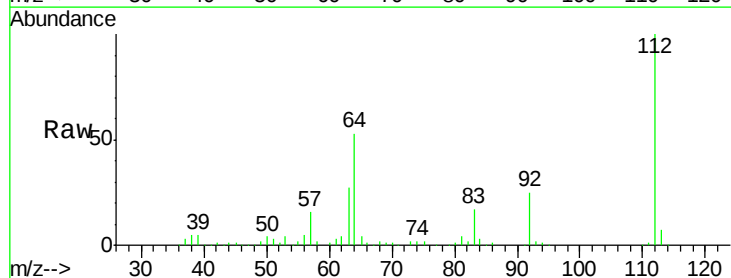
Instrument :
 BNA_F
 ClientSampleId :
 SB-67D

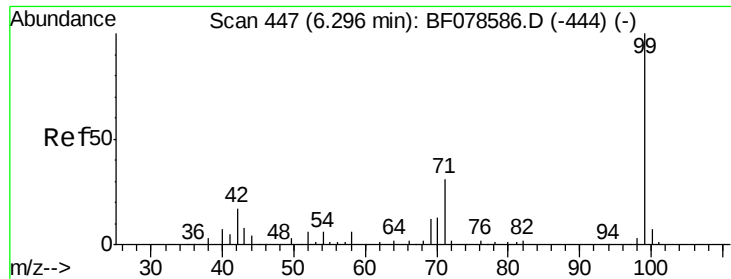
Tgt Ion:152 Resp: 38831
 Ion Ratio Lower Upper
 152 100
 150 160.7 125.9 188.9
 115 62.4 52.7 79.1



#5
 2-Fluorophenol
 Concen: 90.29 ng
 RT: 3.84 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: BF078692.D
 Acq: 21 Apr 2015 19:34

Tgt Ion:112 Resp: 212639
 Ion Ratio Lower Upper
 112 100
 64 52.5 39.9 59.9
 63 27.0 20.2 30.4





#7

Phenol-d6

Concen: 94.22 ng

RT: 5.32 min Scan# 362

Delta R.T. -0.00 min

Lab File: BF078692.D

Acq: 21 Apr 2015 19:34

Instrument :

BNA_F

ClientSampleId :

SB-67D

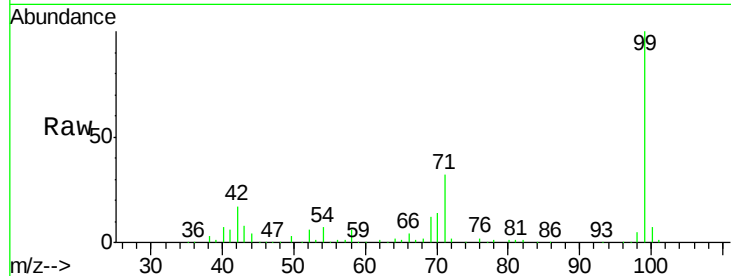
Tgt Ion: 99 Resp: 278088

Ion Ratio Lower Upper

99 100

42 16.7 14.8 22.2

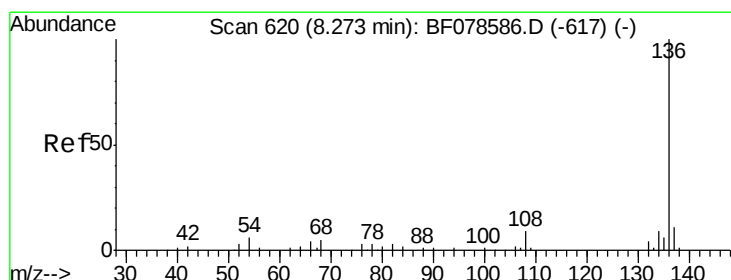
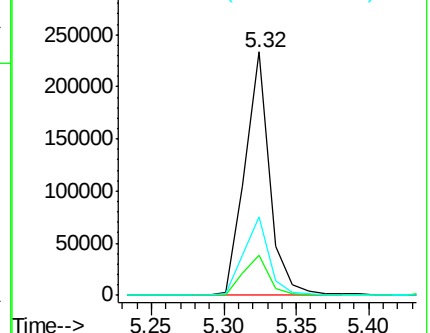
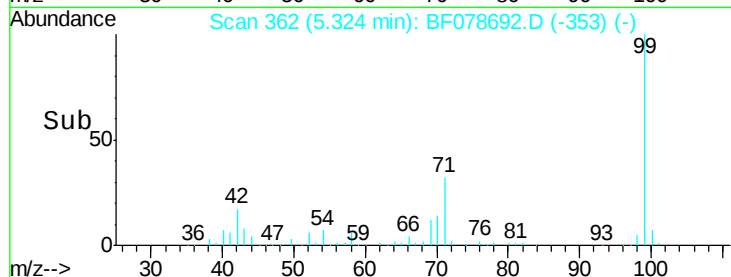
71 32.4 26.6 39.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF078692.D

Acq: 21 Apr 2015 19:34

Tgt Ion: 136 Resp: 165467

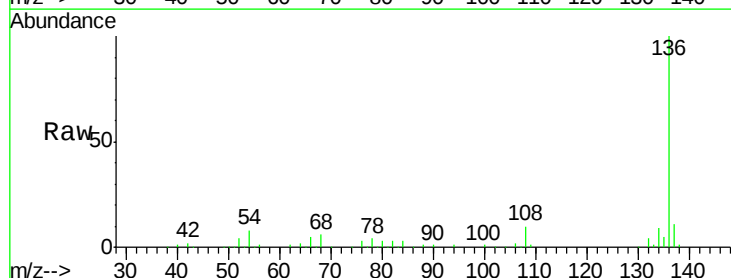
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.6 7.0 10.6

68 5.9 5.4 8.2

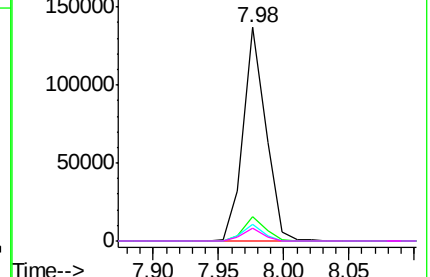
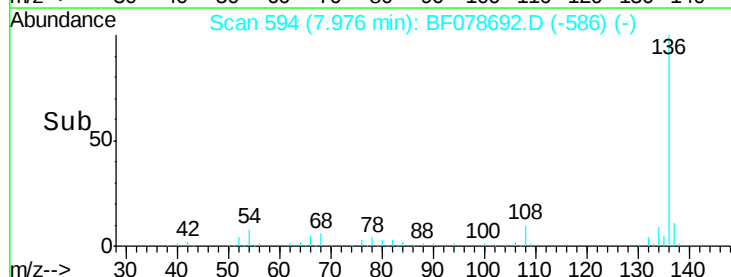


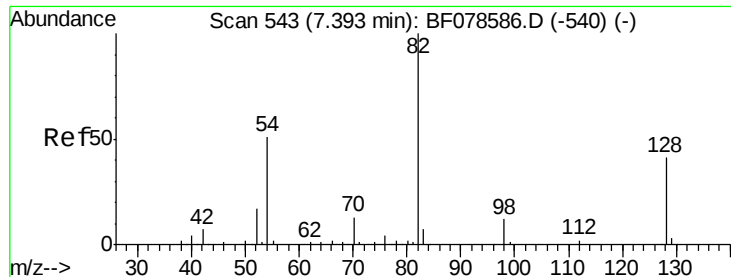
Abundance Ion 136.00 (135.70 to 136.70): E

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

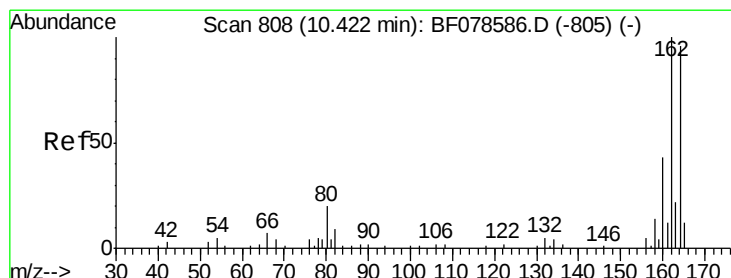
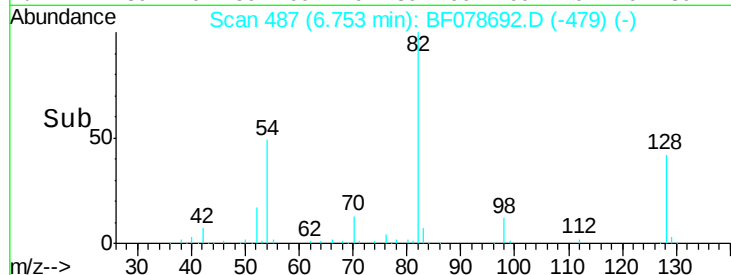
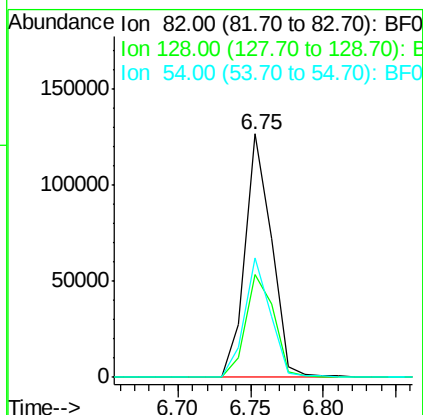
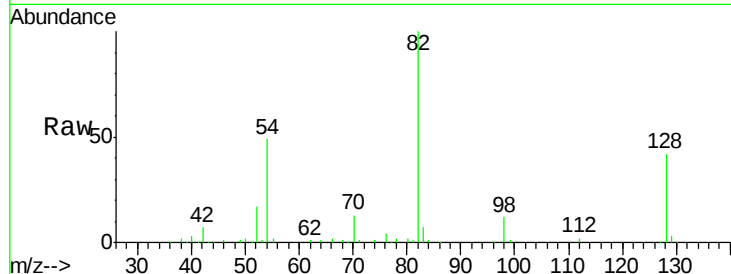




#23
 Nitrobenzene-d5
 Concen: 59.09 ng
 RT: 6.75 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: BF078692.D
 Acq: 21 Apr 2015 19:34

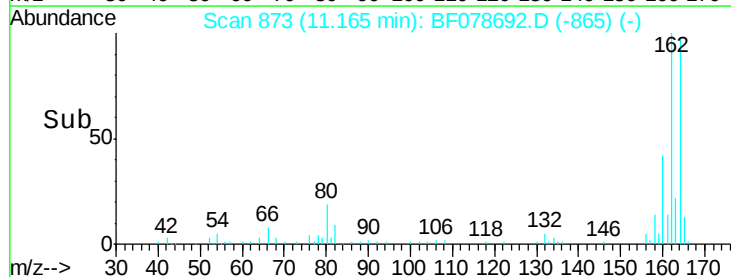
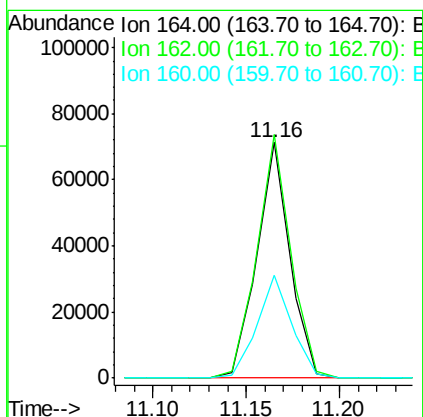
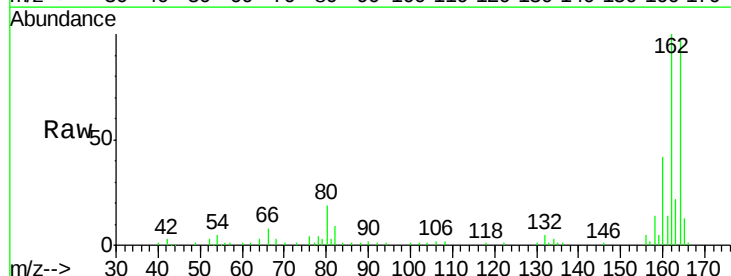
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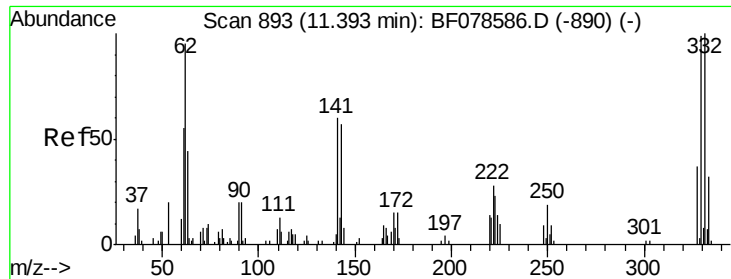
Tgt Ion	Resp	Lower	Upper
82	161296		
128	42.3	31.8	47.8
54	49.1	41.5	62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF078692.D
 Acq: 21 Apr 2015 19:34

Tgt Ion	Resp	Lower	Upper
164	87245		
162	103.3	82.2	123.2
160	43.7	34.7	52.1

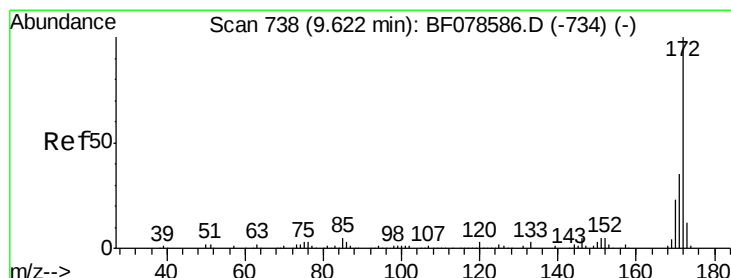
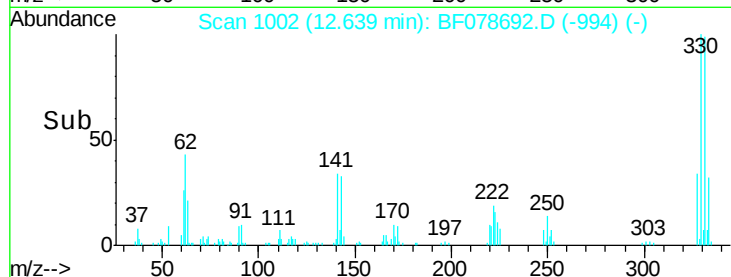
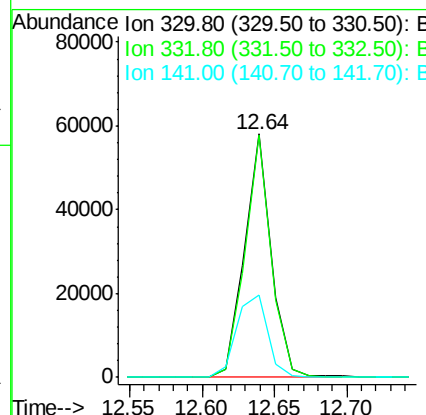
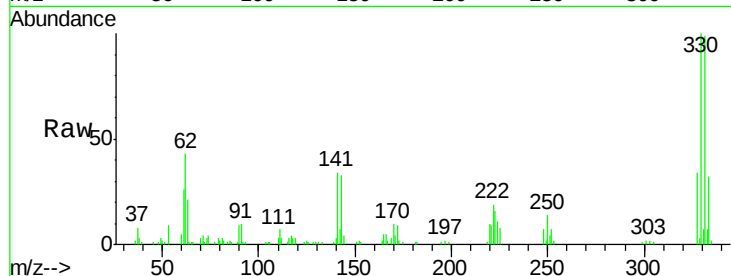




#41
 2,4,6-Tribromophenol
 Concen: 103.22 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078692.D
 Acq: 21 Apr 2015 19:34

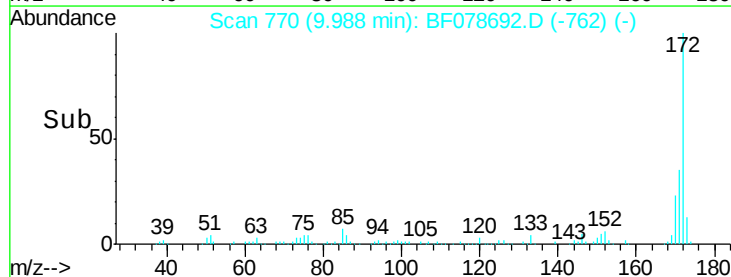
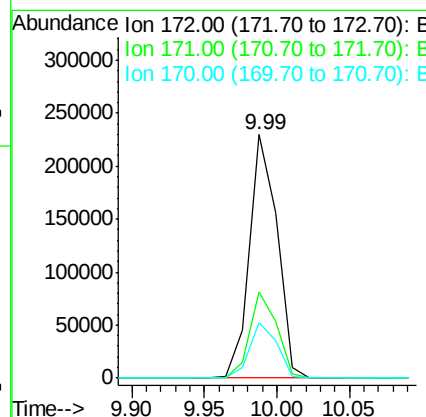
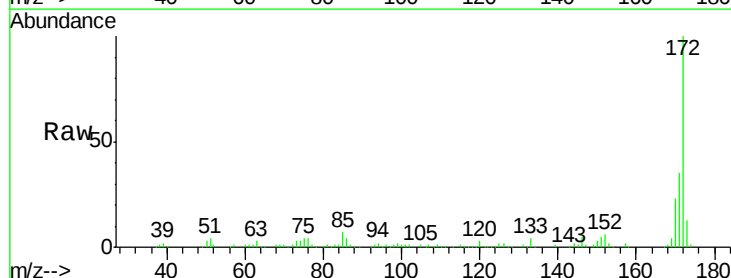
Instrument :
 BNA_F
 ClientSampleId :
 SB-67D

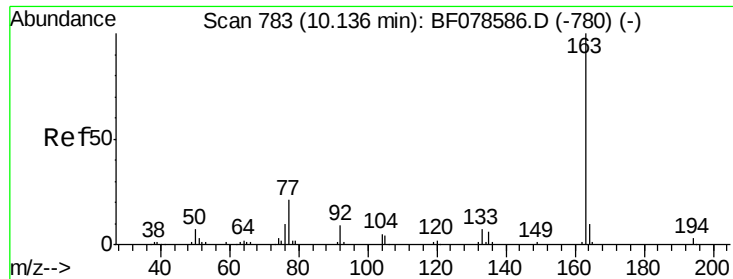
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.6	117.8
141	39.3	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 49.78 ng
 RT: 9.99 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF078692.D
 Acq: 21 Apr 2015 19:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	22.9	18.5	27.7

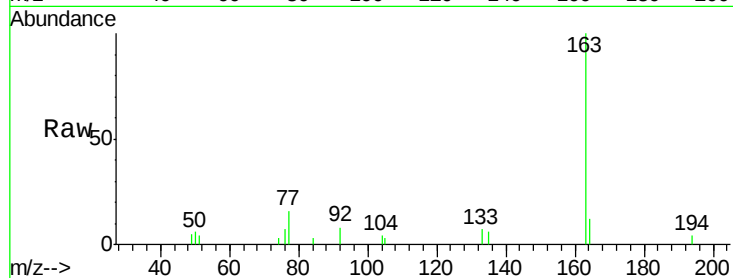




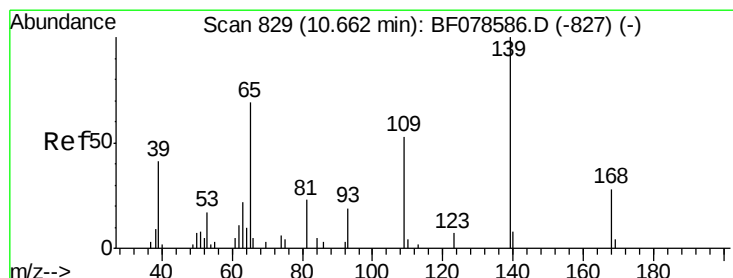
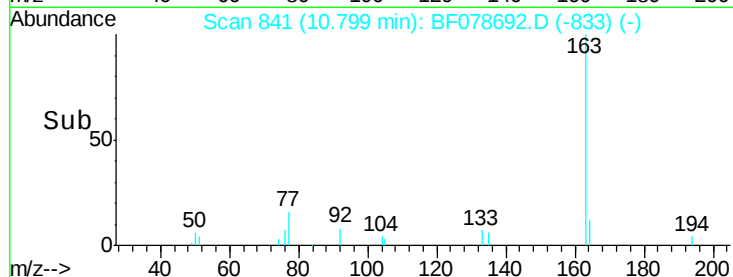
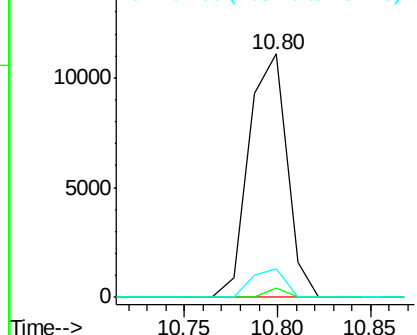
#49
Dimethylphthalate
Concen: 2.39 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF078692.D
Acq: 21 Apr 2015 19:34

Instrument :
BNA_F
ClientSampleId :
SB-67D

Tgt Ion:163 Resp: 15690
Ion Ratio Lower Upper
163 100
194 3.9 2.3 3.5#
164 11.6 8.6 13.0

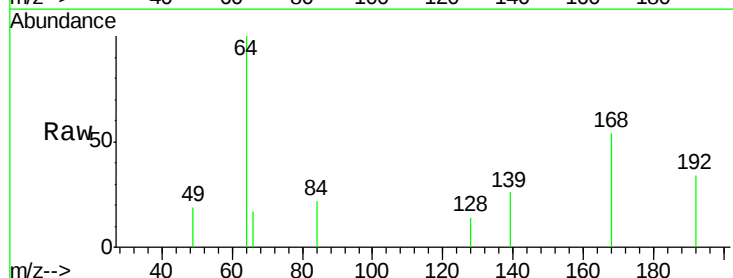


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

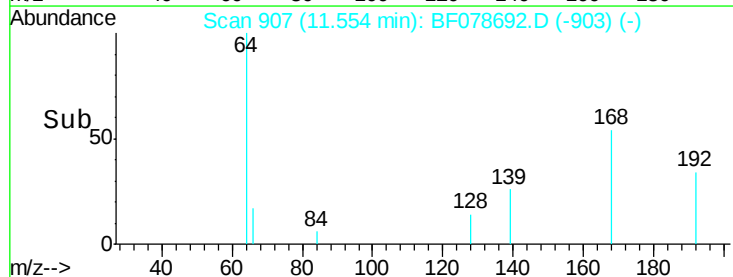
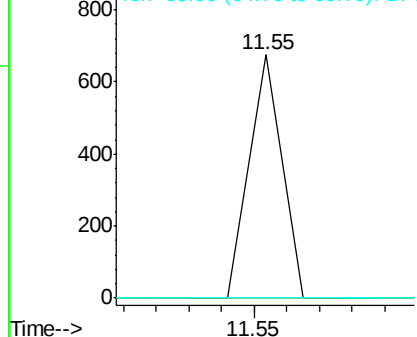


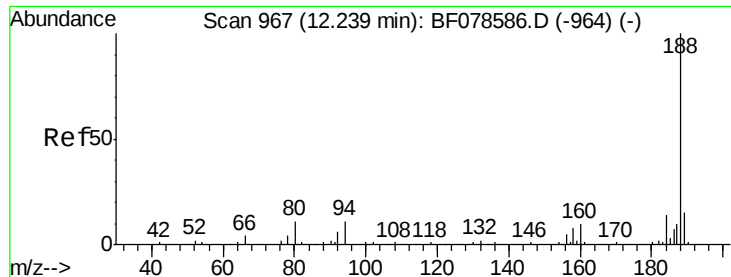
#55
4-Nitrophenol
Concen: 3.16 ng
RT: 11.55 min Scan# 907
Delta R.T. -0.06 min
Lab File: BF078692.D
Acq: 21 Apr 2015 19:34

Tgt Ion:139 Resp: 464
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

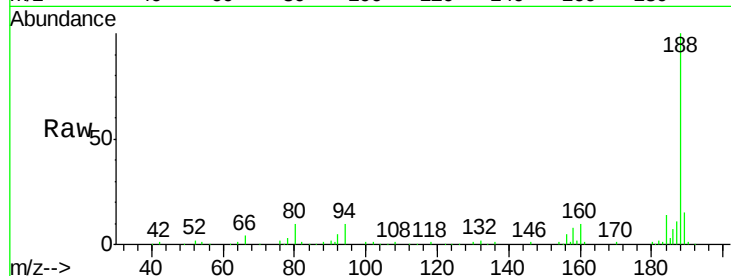




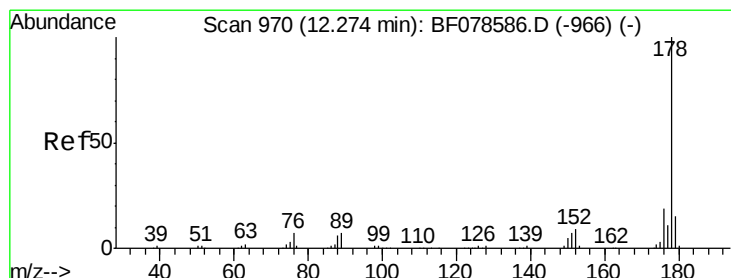
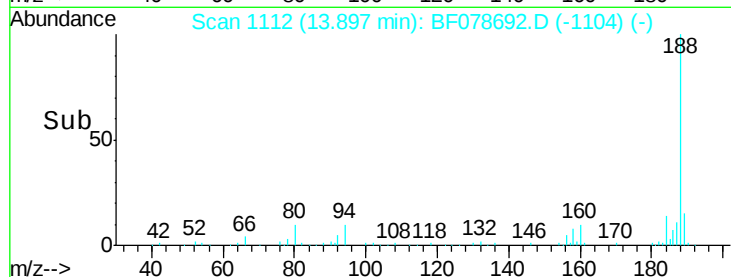
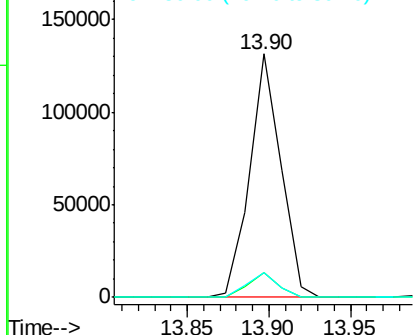
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.90 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF078692.D
Acq: 21 Apr 2015 19:34

Instrument :
BNA_F
ClientSampleId :
SB-67D

Tgt Ion:188 Resp: 174506
Ion Ratio Lower Upper
188 100
94 10.1 9.0 13.4
80 10.4 9.5 14.3

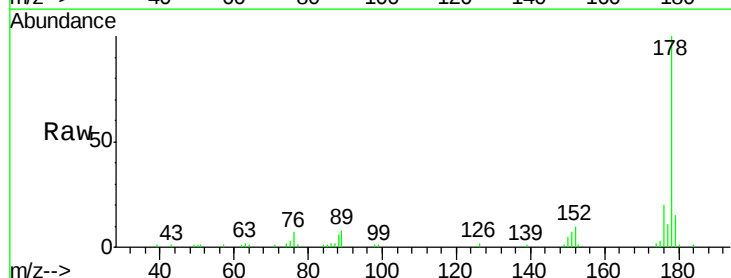


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

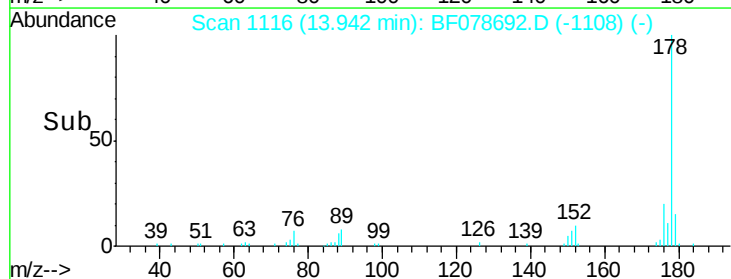
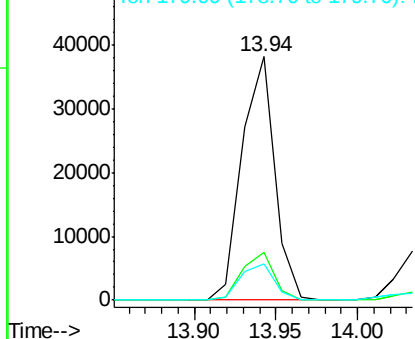


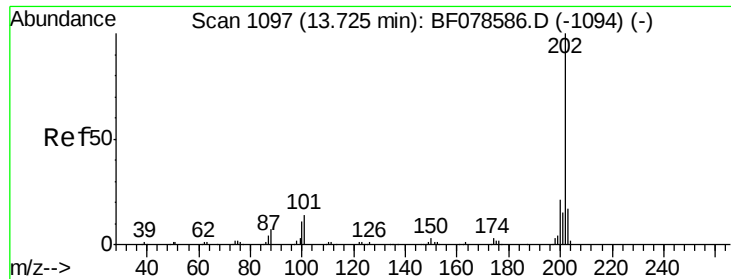
#70
Phenanthrene
Concen: 5.25 ng
RT: 13.94 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF078692.D
Acq: 21 Apr 2015 19:34

Tgt Ion:178 Resp: 53022
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 14.8 12.2 18.2



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





#74

Fluoranthene

Concen: 6.95 ng

RT: 15.83 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF078692.D

Acq: 21 Apr 2015 19:34

Instrument :

BNA_F

ClientSampleId :

SB-67D

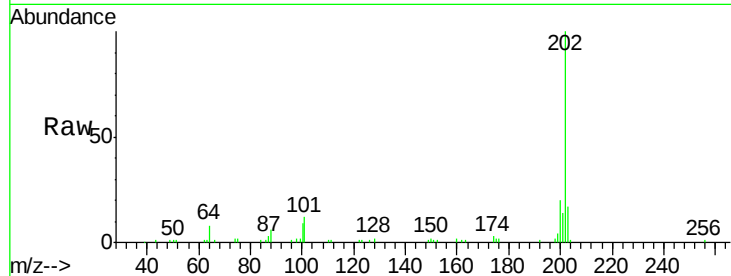
Tgt Ion:202 Resp: 73967

Ion Ratio Lower Upper

202 100

101 11.8 0.0 35.2

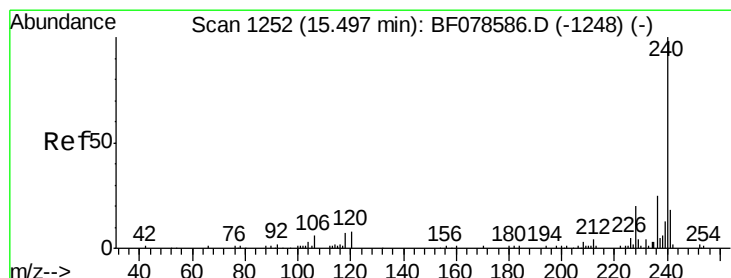
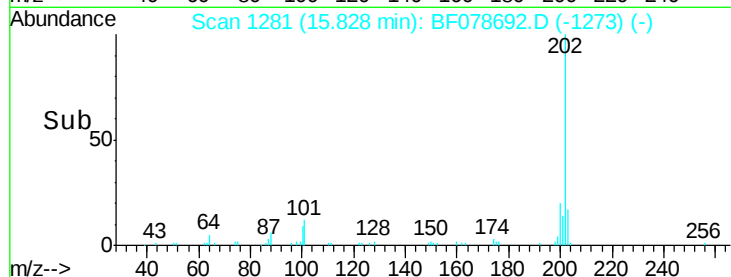
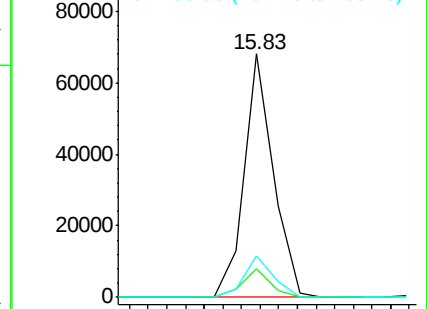
203 17.1 0.0 38.5



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: 17.77 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF078692.D

Acq: 21 Apr 2015 19:34

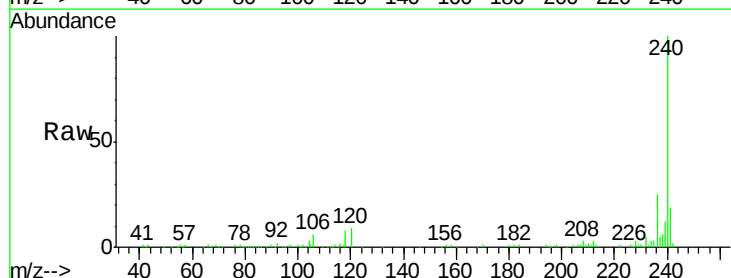
Tgt Ion:240 Resp: 176015

Ion Ratio Lower Upper

240 100

120 8.7 7.1 10.7

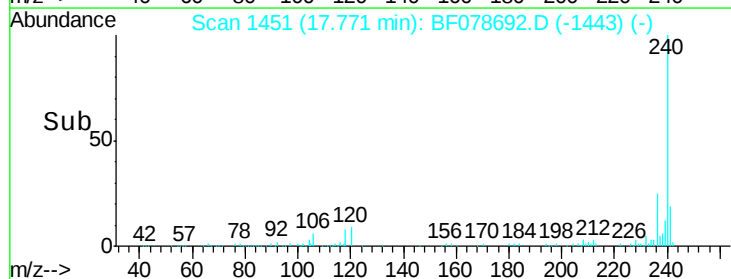
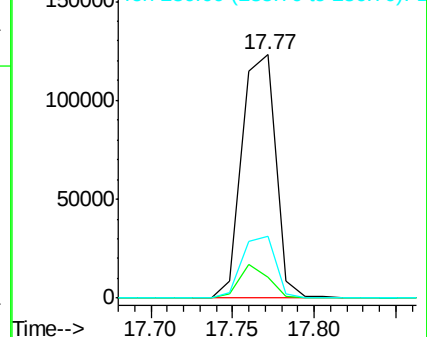
236 25.2 21.4 32.2

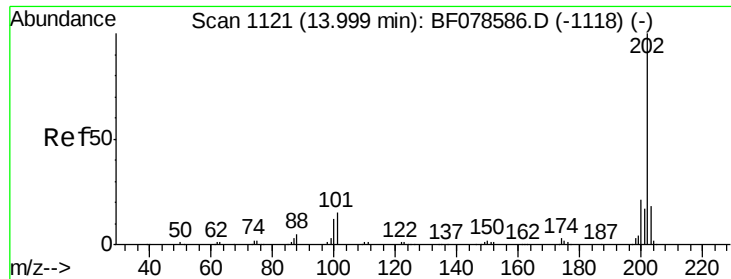


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

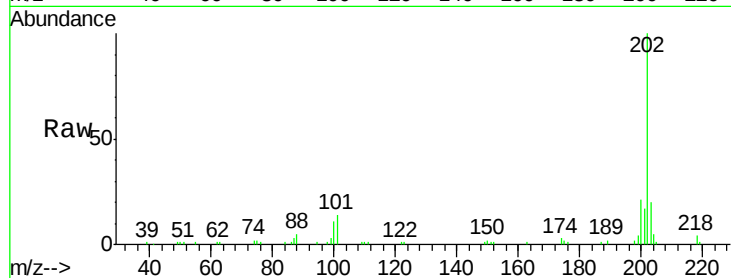




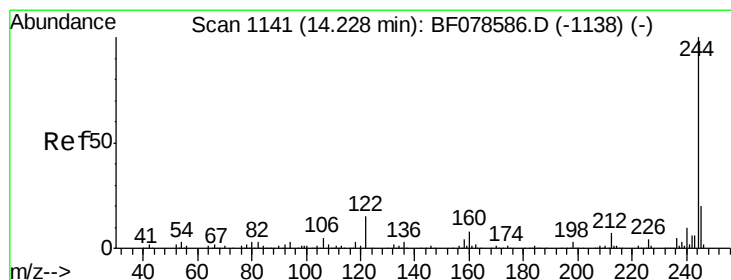
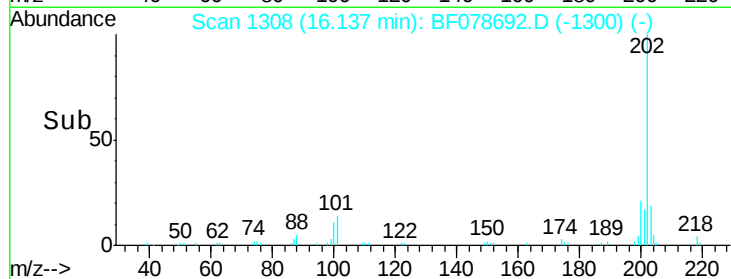
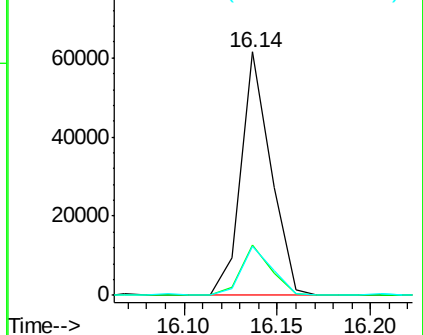
#77
 Pyrene
 Concen: 6.18 ng
 RT: 16.14 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF078692.D
 Acq: 21 Apr 2015 19:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-67D

Tgt Ion: 202 Resp: 68337
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.3 24.5
 203 20.0 13.8 20.6

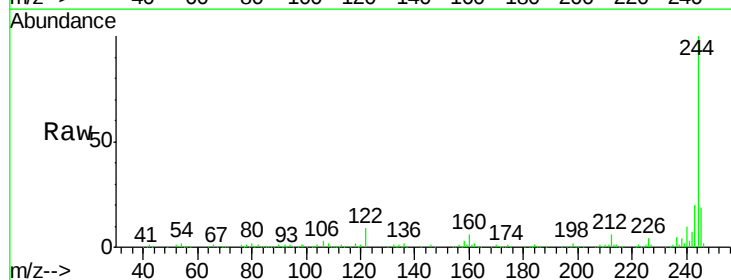


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

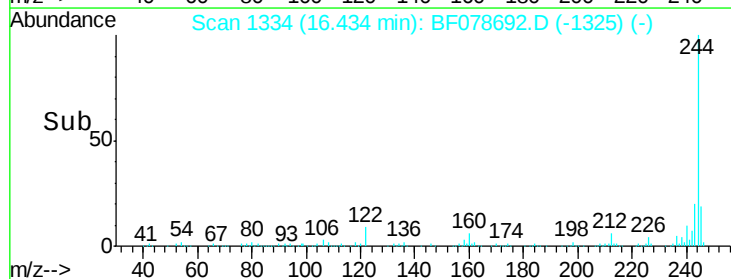
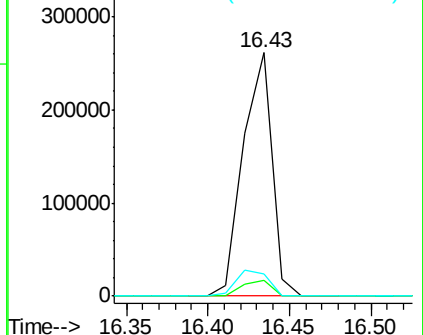


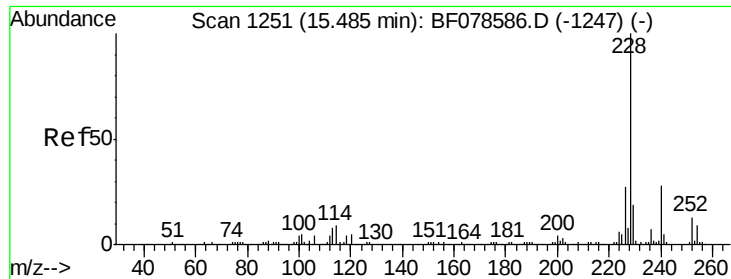
#78
 Terphenyl-d14
 Concen: 41.27 ng
 RT: 16.43 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF078692.D
 Acq: 21 Apr 2015 19:34

Tgt Ion: 244 Resp: 321497
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 8.9 7.1 10.7



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: 3.02 ng

RT: 17.76 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BF078692.D

Acq: 21 Apr 2015 19:34

Instrument :

BNA_F

ClientSampled :

SB-67D

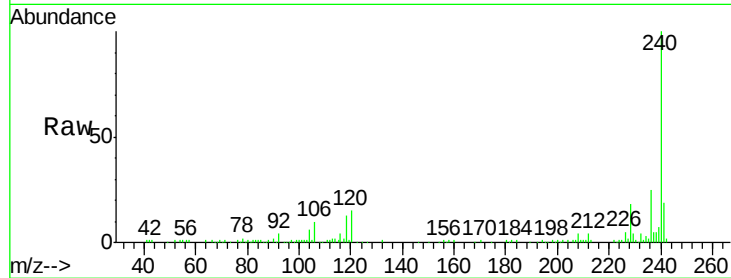
Tgt Ion: 228 Resp: 31633

Ion Ratio Lower Upper

228 100

226 25.9 21.3 31.9

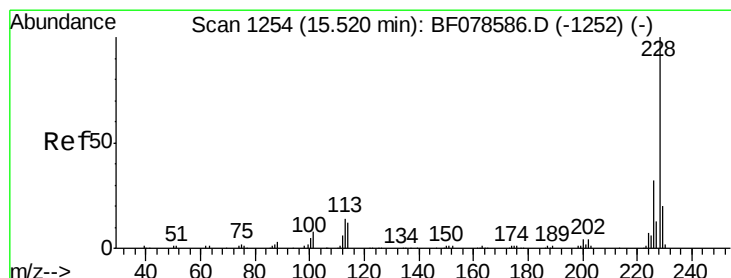
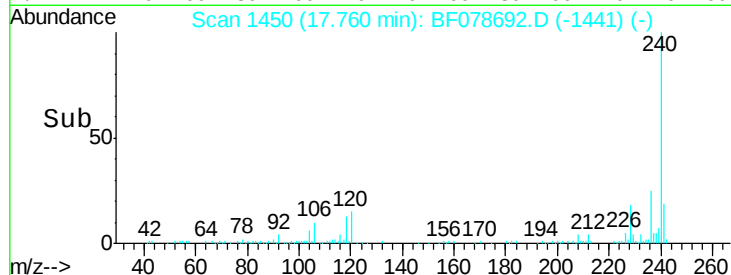
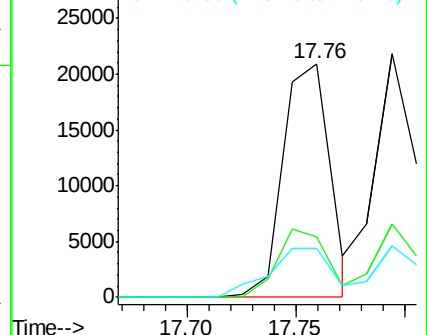
229 21.0 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.90 ng

RT: 17.79 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF078692.D

Acq: 21 Apr 2015 19:34

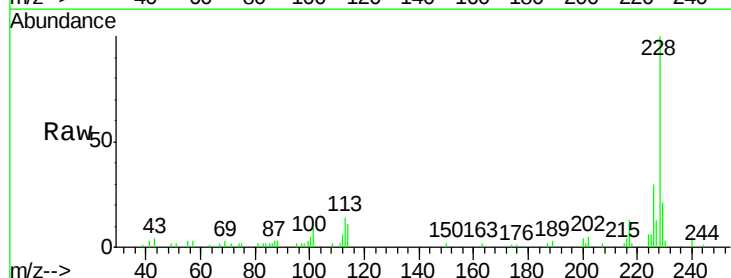
Tgt Ion: 228 Resp: 28555

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

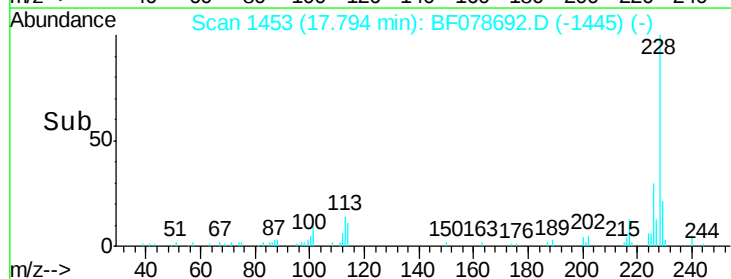
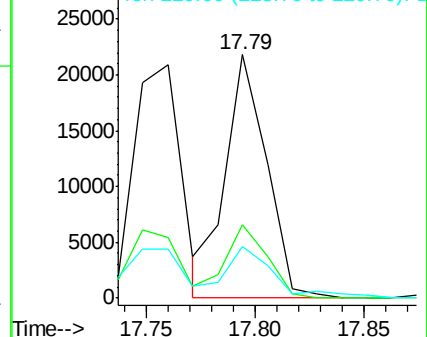
229 21.2 15.8 23.8

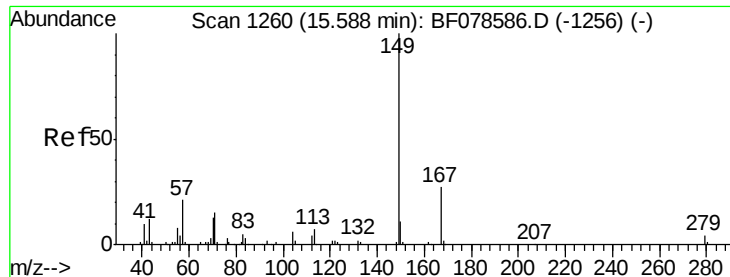


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.15 ng

RT: 17.90 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF078692.D

Acq: 21 Apr 2015 19:34

Instrument :

BNA_F

ClientSampleId :

SB-67D

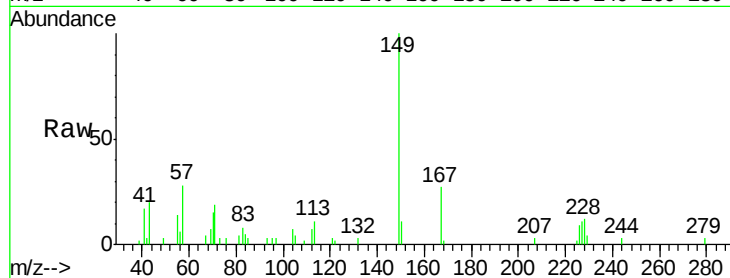
Tgt Ion:149 Resp: 14216

Ion Ratio Lower Upper

149 100

167 26.9 22.2 33.2

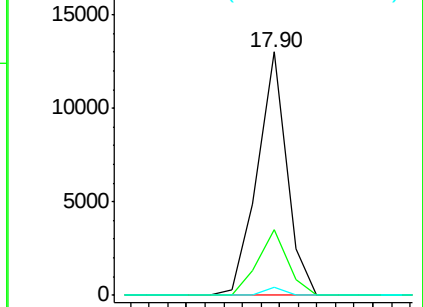
279 3.5 3.2 4.8



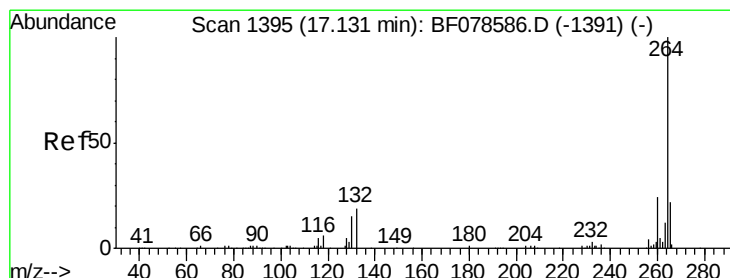
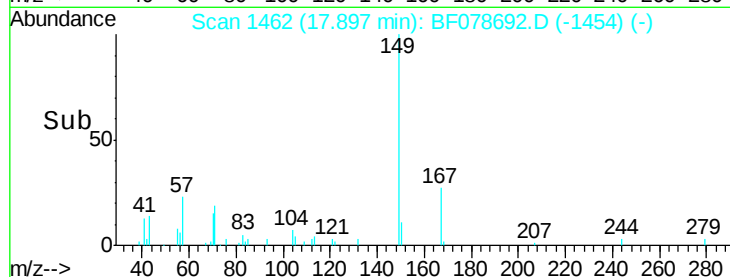
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 19.47 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BF078692.D

Acq: 21 Apr 2015 19:34

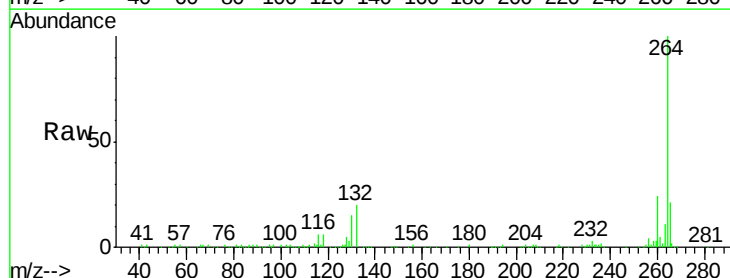
Tgt Ion:264 Resp: 168000

Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

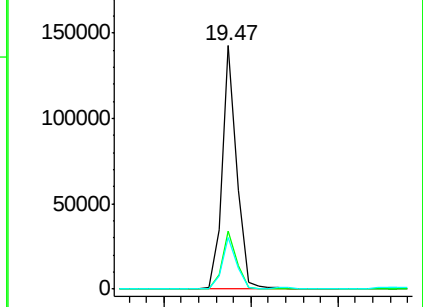
265 21.0 17.0 25.6



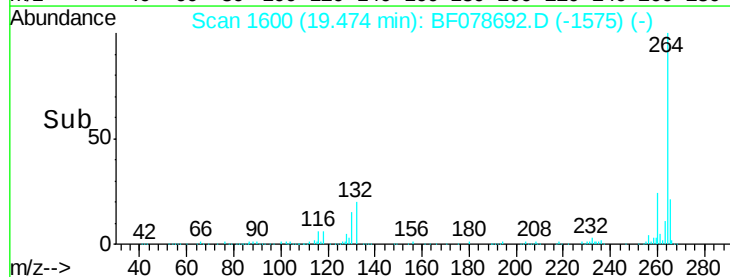
Abundance Ion 264.00 (263.70 to 264.70): E

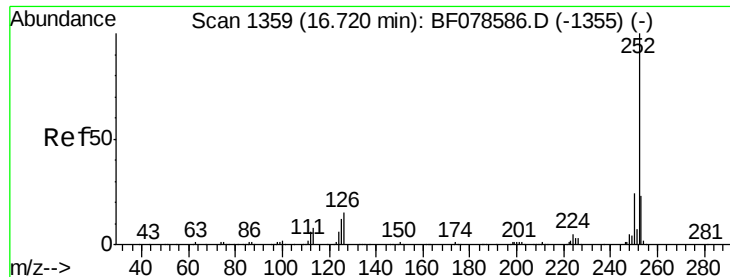
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->

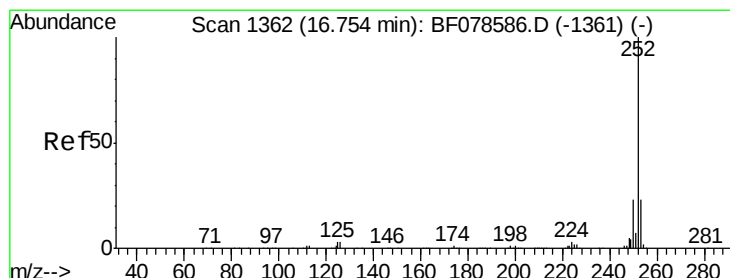
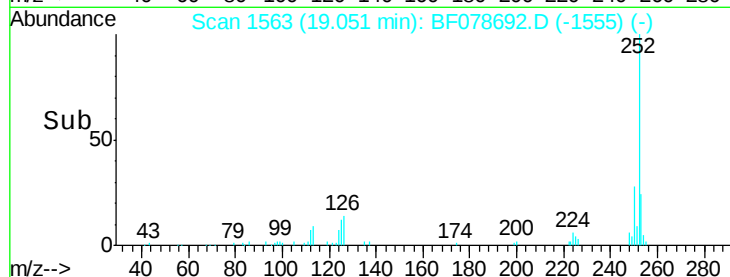
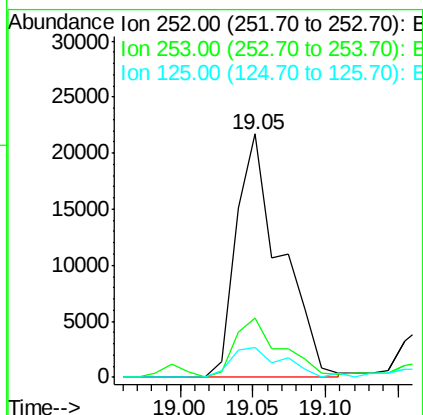
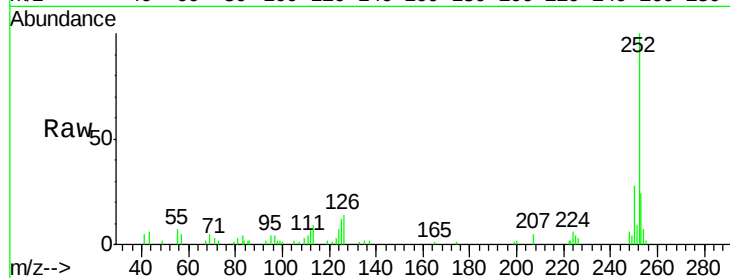




#87
Benzo(b)fluoranthene
Concen: 4.43 ng
RT: 19.05 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF078692.D
Acq: 21 Apr 2015 19:34

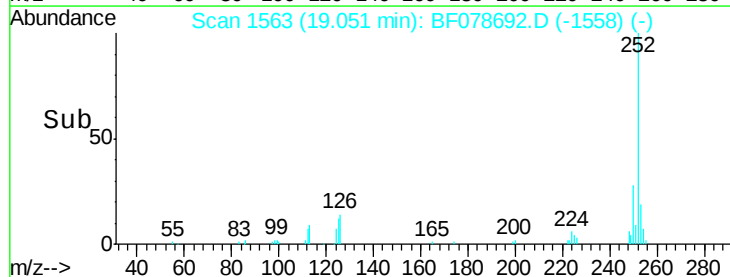
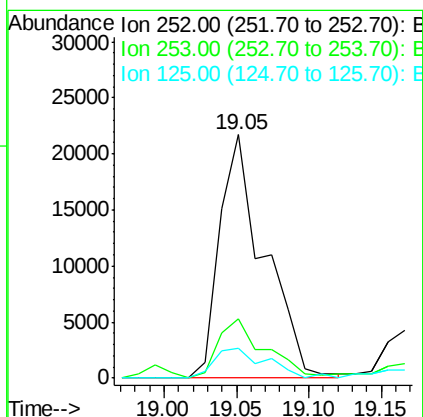
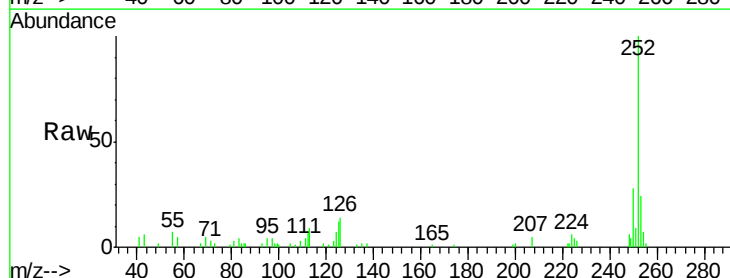
Instrument :
BNA_F
ClientSampleId :
SB-67D

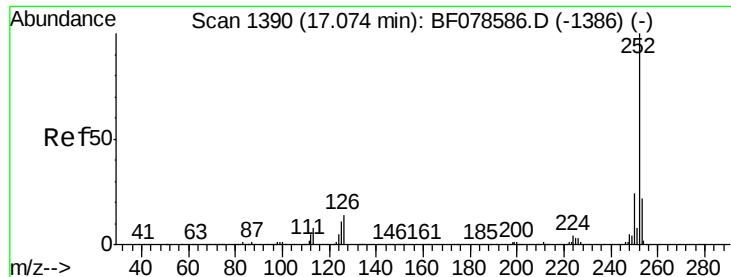
Tgt Ion:252 Resp: 46031
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 12.4 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 5.01 ng
RT: 19.05 min Scan# 1563
Delta R.T. -0.05 min
Lab File: BF078692.D
Acq: 21 Apr 2015 19:34

Tgt Ion:252 Resp: 46255
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 12.4 11.6 17.4





#89

Benzo(a)pyrene

Concen: 2.93 ng

RT: 19.41 min Scan# 1594

Delta R.T. -0.02 min

Lab File: BF078692.D

Acq: 21 Apr 2015 19:34

Instrument :

BNA_F

ClientSampleId :

SB-67D

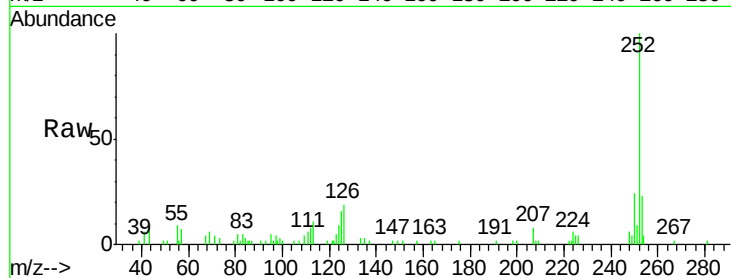
Tgt Ion: 252 Resp: 26593

Ion Ratio Lower Upper

252 100

253 22.8 16.8 25.2

125 15.9 7.4 11.0#



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

