

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051415\
 Data File : BF079250.D
 Acq On : 15 May 2015 00:17
 Operator : TP/IZ
 Sample : G2177-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-19(0-3)

Quant Time: May 15 01:16:58 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 00:55:32 2015
 Response via : Initial Calibration

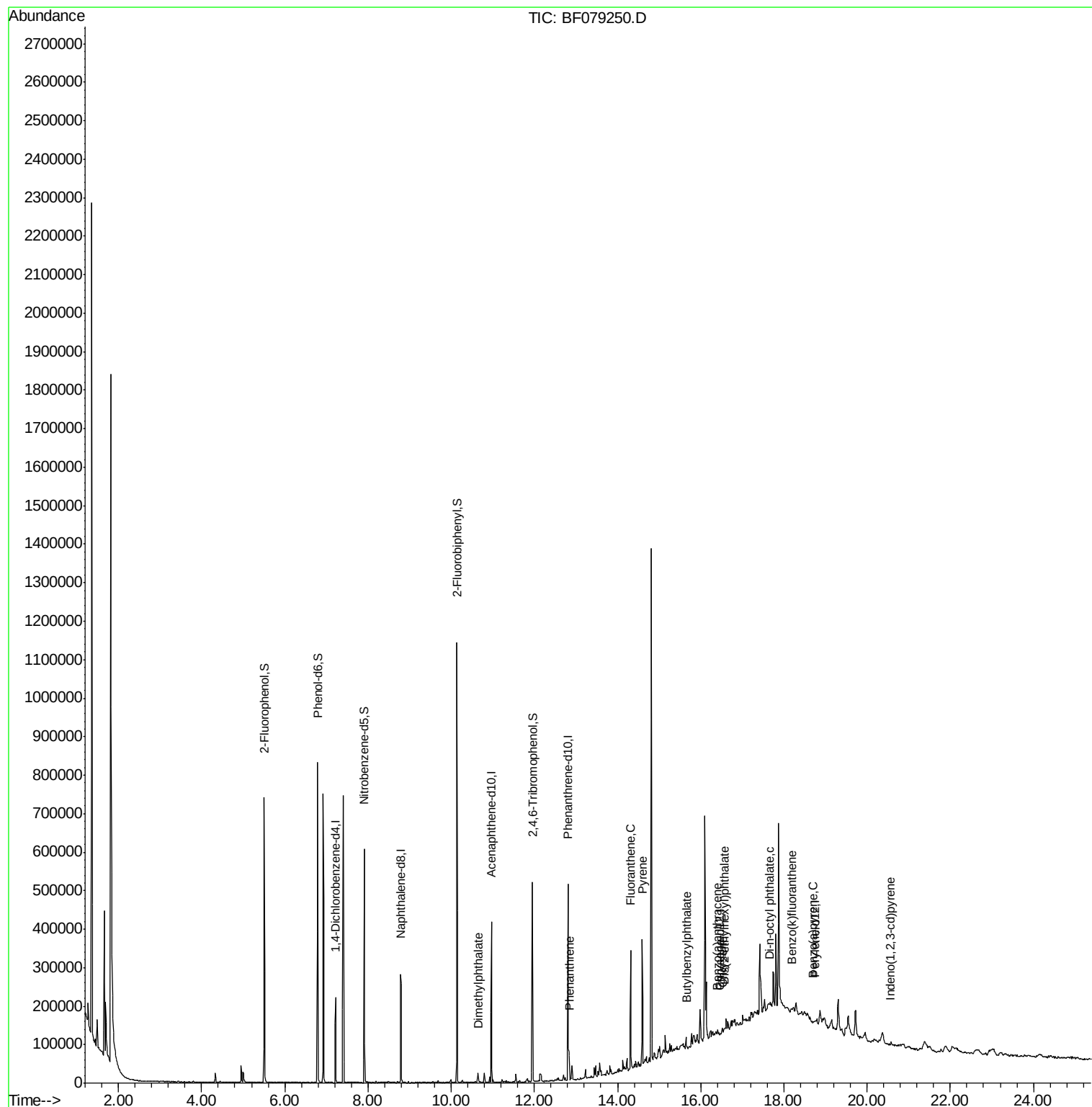
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	45906	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	194875	20.00	ng	0.00
38) Acenaphthene-d10	10.97	164	95123	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	187884	20.00	ng	-0.01
75) Chrysene-d12	16.47	240	597	20.00	ng	-0.03
86) Perylene-d12	18.74	264	209	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	239077	89.65	ng	0.00
7) Phenol-d6	6.79	99	342121	97.05	ng	0.00
23) Nitrobenzene-d5	7.91	82	186308	54.95	ng	-0.01
41) 2,4,6-Tribromophenol	11.95	330	102117	99.23	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	398844	58.42	ng	-0.01
78) Terphenyl-d14	0.00	244	0	0.00	ng	
Target Compounds						
49) Dimethylphthalate	10.65	163	14330	2.05	ng	Qvalue 100
70) Phenanthrene	12.85	178	41866	3.98	ng	98
74) Fluoranthene	14.32	202	140556	12.83	ng	94
77) Pyrene	14.59	202	153579	4464.26	ng	97
79) Butylbenzylphthalate	15.67	149	768	51.07	ng	# 57
80) Benzo(a)anthracene	16.39	228	507	15.51	ng	# 1
82) Chrysene	16.54	228	658	20.93	ng	# 1
83) Bis(2-ethylhexyl)phthalate	16.58	149	1498	65.77	ng	# 85
84) Di-n-octyl phthalate	17.66	149	678	16.90	ng	# 100
85) Indeno(1,2,3-cd)pyrene	20.56	276	224	5.59	ng	# 100
88) Benzo(k)fluoranthene	18.19	252	2067	186.64	ng	# 1
89) Benzo(a)pyrene	18.70	252	553	52.50	ng	# 1

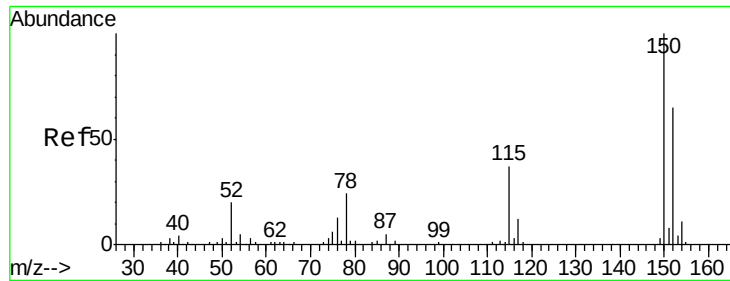
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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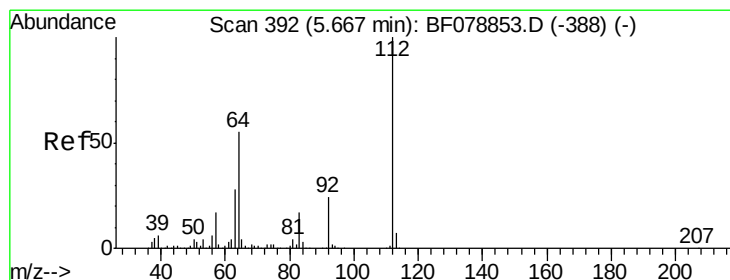
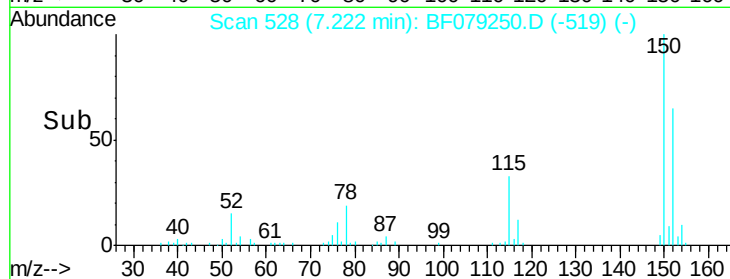
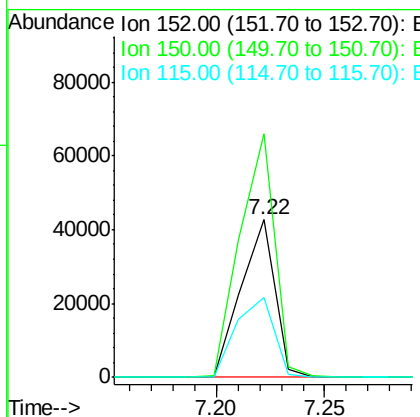
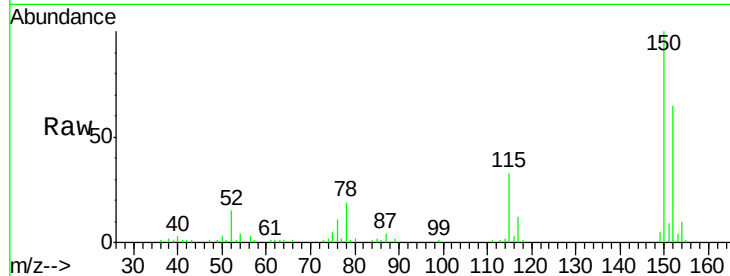




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.22 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: BF079250.D
 Acq: 15 May 2015 00:17

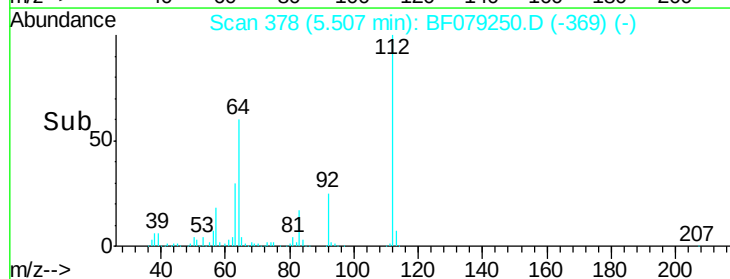
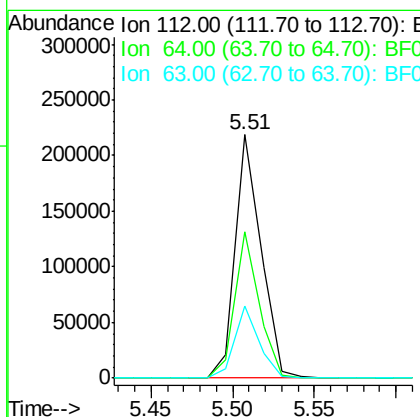
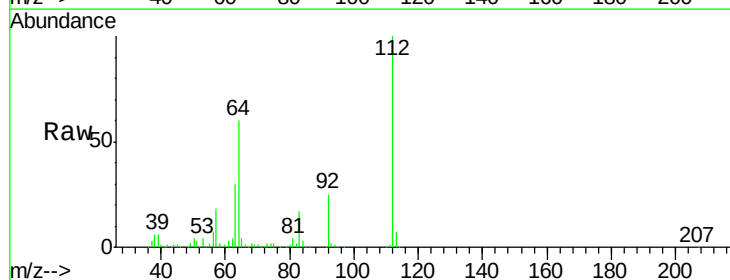
Instrument :
 BNA_F
 ClientSampleId :
 PS-19(0-3)

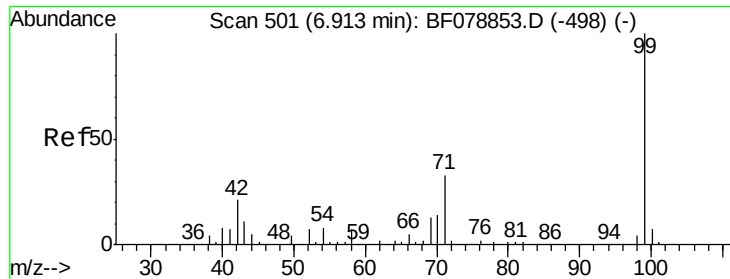
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.5	122.0	183.0
115	50.2	46.3	69.5



#5
 2-Fluorophenol
 Concen: 89.65 ng
 RT: 5.51 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: BF079250.D
 Acq: 15 May 2015 00:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	53.5	80.3
63	29.7	27.5	41.3





#7

Phenol-d6

Concen: 97.05 ng

RT: 6.79 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF079250.D

Acq: 15 May 2015 00:17

Instrument :

BNA_F

ClientSampleId :

PS-19(0-3)

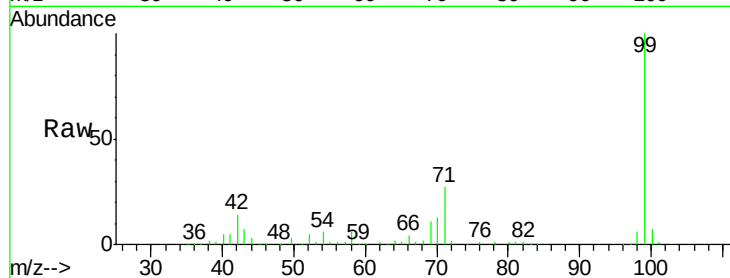
Tgt Ion: 99 Resp: 342121

Ion Ratio Lower Upper

99 100

42 13.8 12.8 19.2

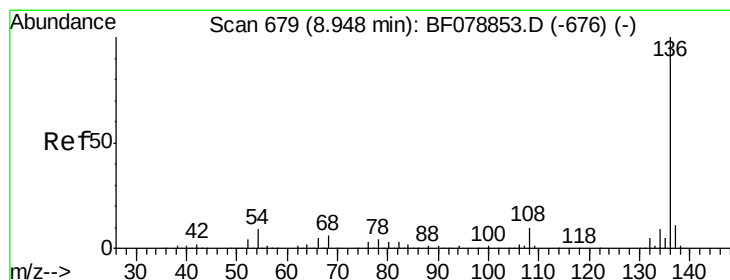
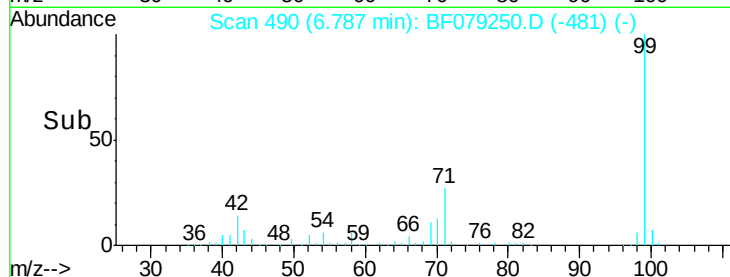
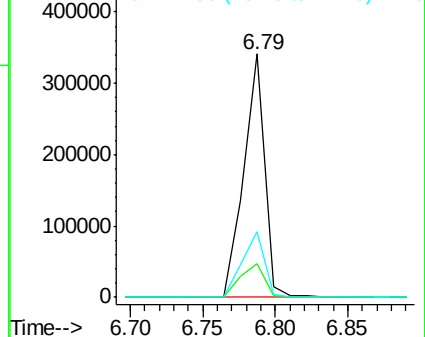
71 27.2 23.4 35.2



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: 8.80 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF079250.D

Acq: 15 May 2015 00:17

Tgt Ion: 136 Resp: 194875

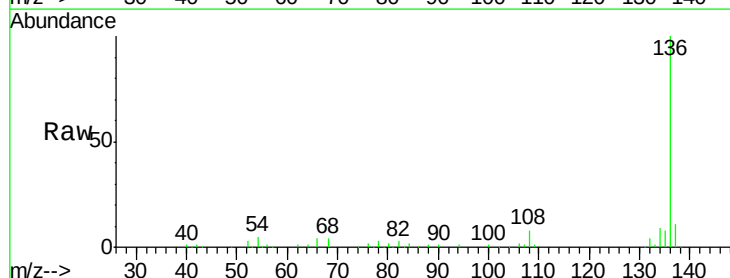
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 5.4 5.8 8.8#

68 4.2 4.2 6.4

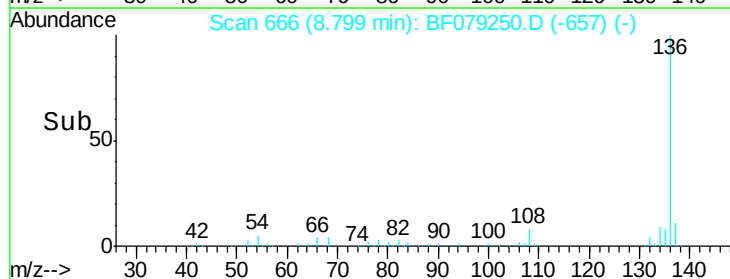
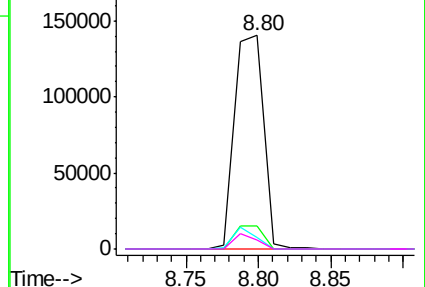


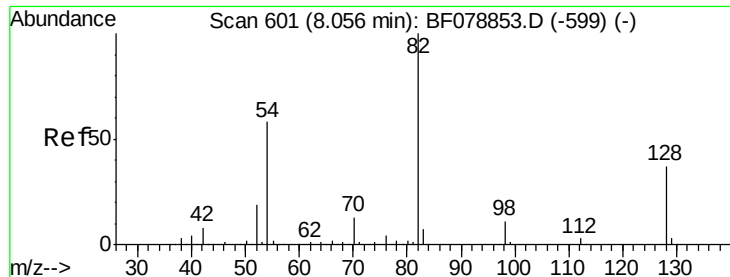
Abundance Ion 136.00 (135.70 to 136.70): E

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

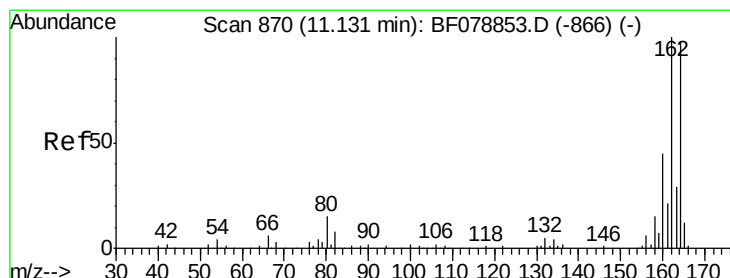
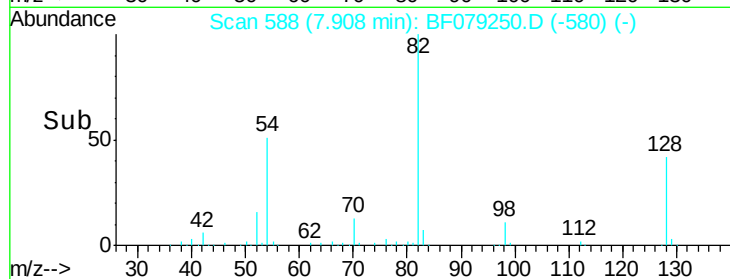
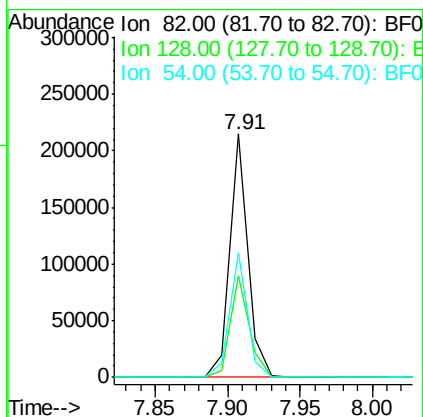
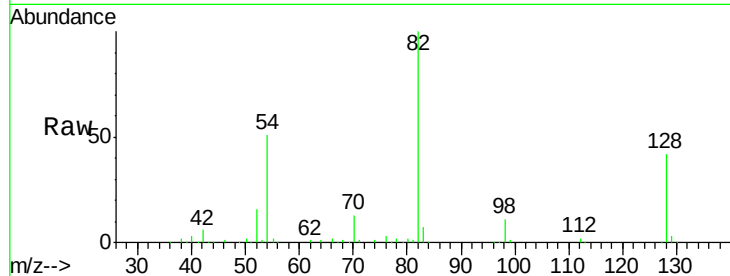




#23
 Nitrobenzene-d5
 Concen: 54.95 ng
 RT: 7.91 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: BF079250.D
 Acq: 15 May 2015 00:17

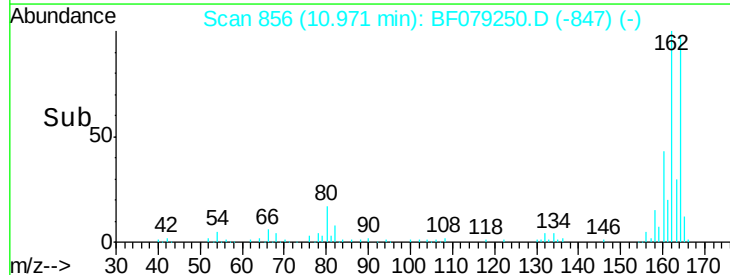
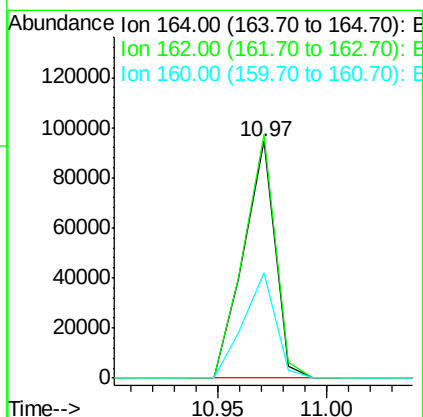
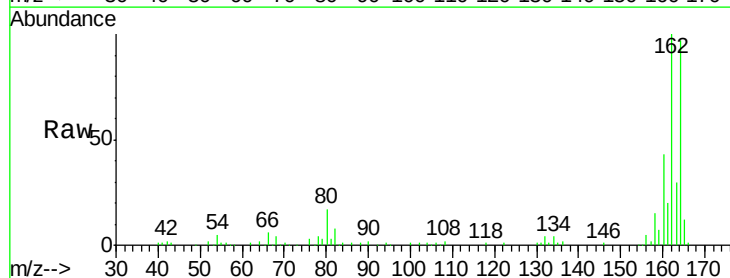
Instrument :
 BNA_F
 ClientSampleId :
 PS-19(0-3)

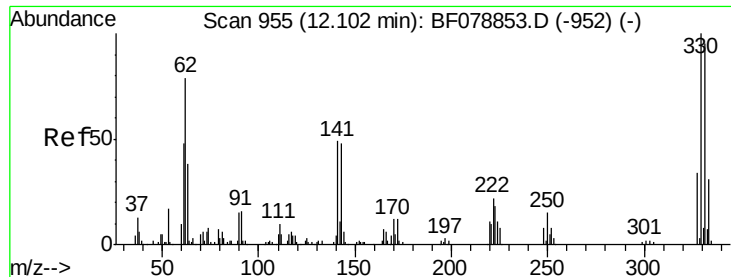
Tgt Ion: 82 Resp: 186308
 Ion Ratio Lower Upper
 82 100
 128 41.9 30.0 45.0
 54 51.3 46.4 69.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BF079250.D
 Acq: 15 May 2015 00:17

Tgt Ion: 164 Resp: 95123
 Ion Ratio Lower Upper
 164 100
 162 102.7 82.7 124.1
 160 44.5 35.8 53.8

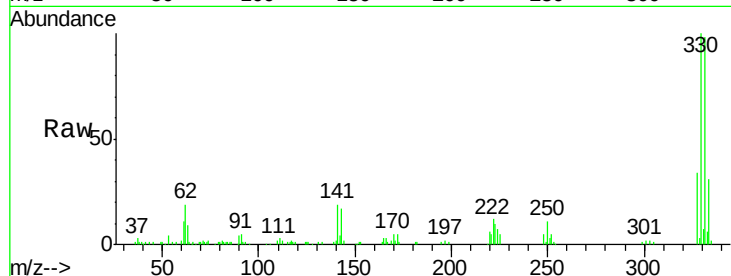




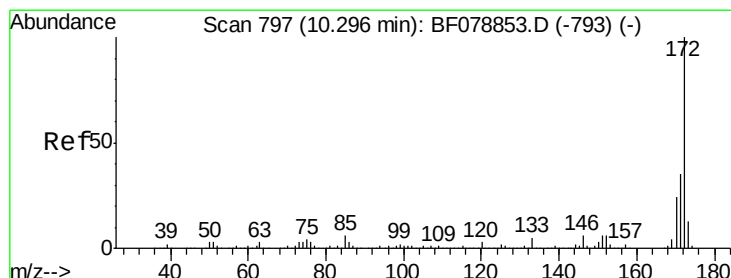
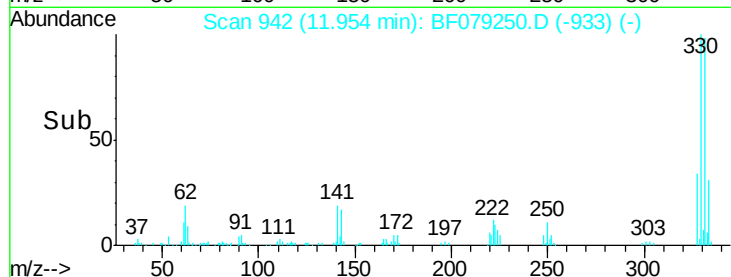
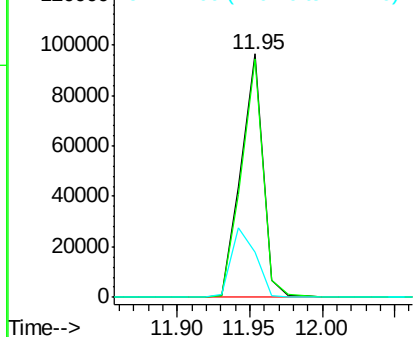
#41
 2,4,6-Tribromophenol
 Concen: 99.23 ng
 RT: 11.95 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF079250.D
 Acq: 15 May 2015 00:17

Instrument :
 BNA_F
 ClientSampleId :
 PS-19(0-3)

Tgt Ion:330 Resp: 102117
 Ion Ratio Lower Upper
 330 100
 332 96.5 0.0 0.0#
 141 32.1 0.0 0.0#

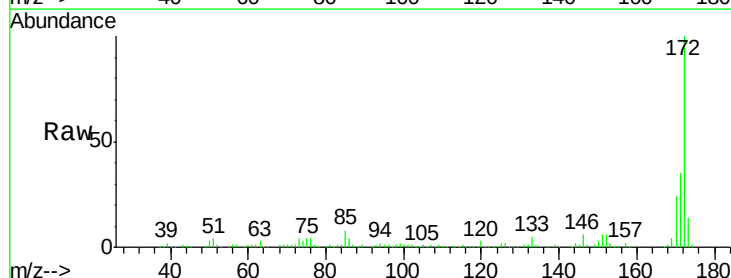


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

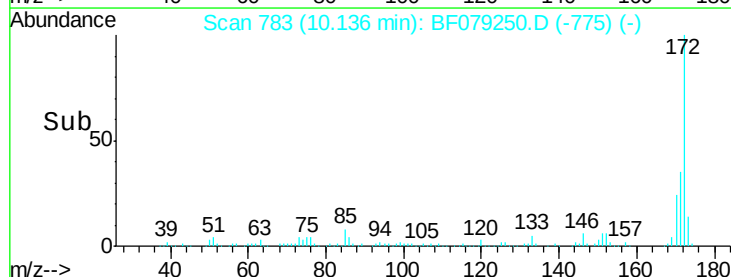
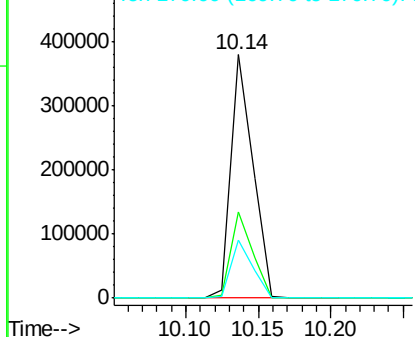


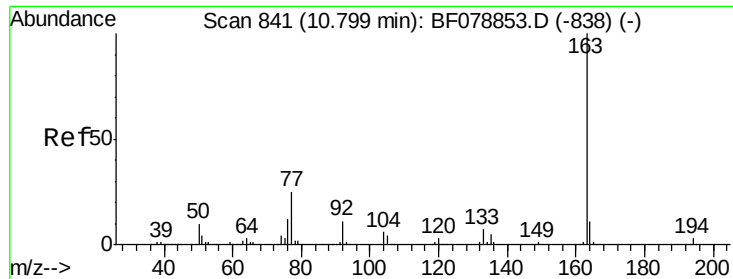
#44
 2-Fluorobiphenyl
 Concen: 58.42 ng
 RT: 10.14 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF079250.D
 Acq: 15 May 2015 00:17

Tgt Ion:172 Resp: 398844
 Ion Ratio Lower Upper
 172 100
 171 35.2 27.9 41.9
 170 23.7 19.4 29.0



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: 2.05 ng

RT: 10.65 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF079250.D

Acq: 15 May 2015 00:17

Instrument :

BNA_F

ClientSampleId :

PS-19(0-3)

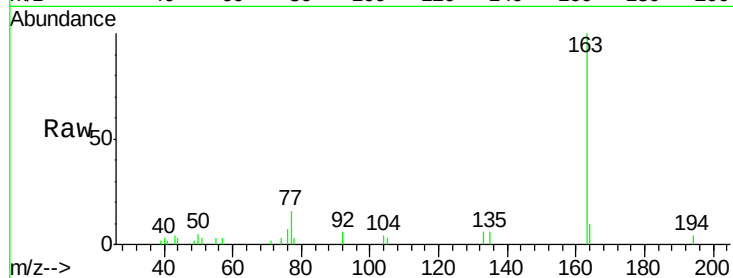
Tgt Ion:163 Resp: 14330

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

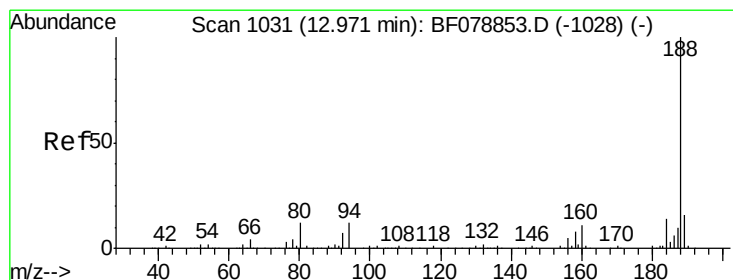
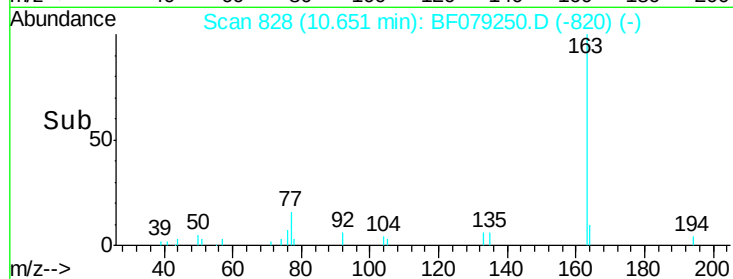
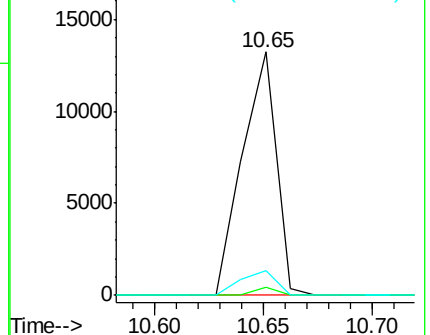
164 9.9 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.81 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF079250.D

Acq: 15 May 2015 00:17

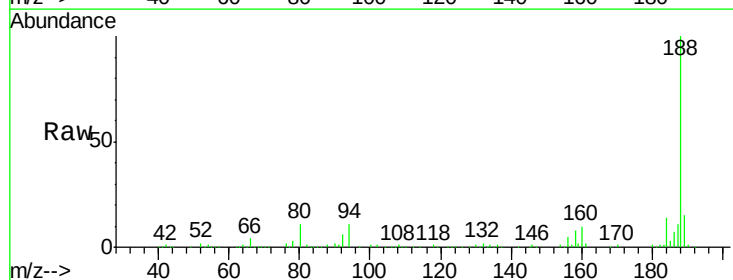
Tgt Ion:188 Resp: 187884

Ion Ratio Lower Upper

188 100

94 10.9 8.2 12.2

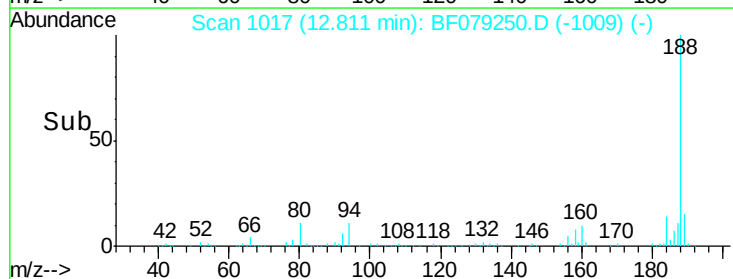
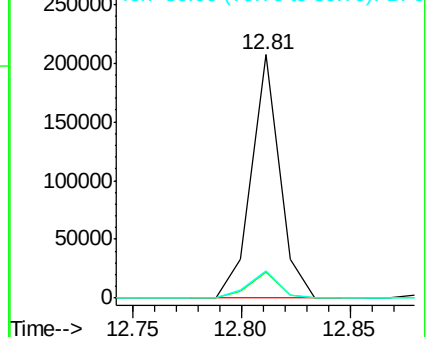
80 11.2 8.9 13.3

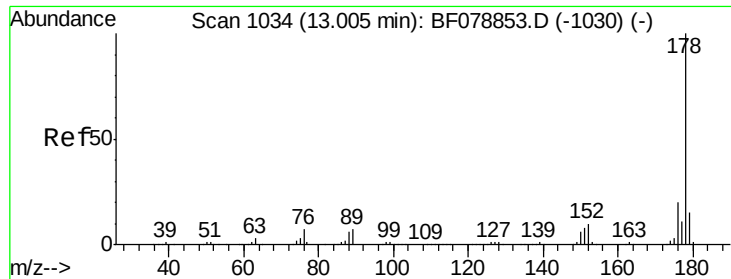


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

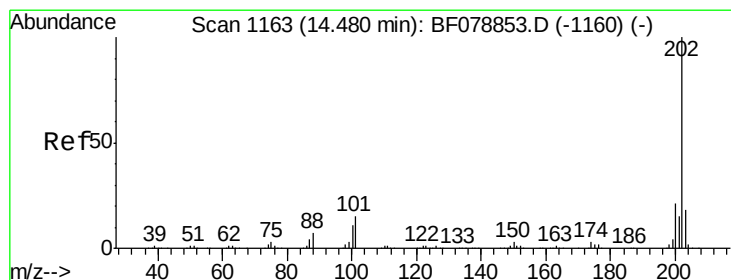
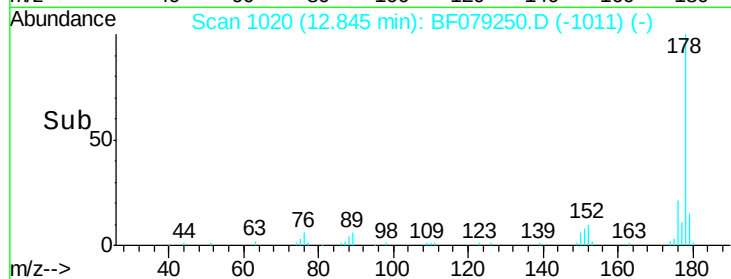
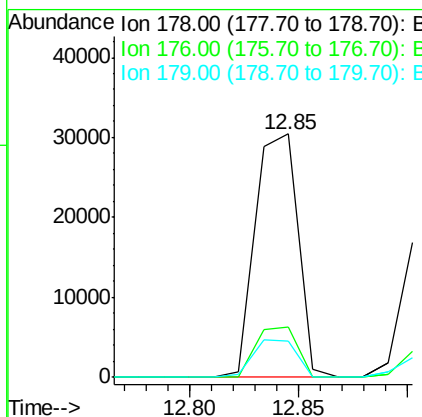
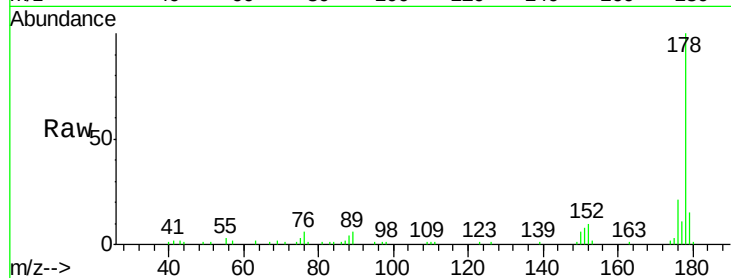




#70
 Phenanthrene
 Concen: 3.98 ng
 RT: 12.85 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BF079250.D
 Acq: 15 May 2015 00:17

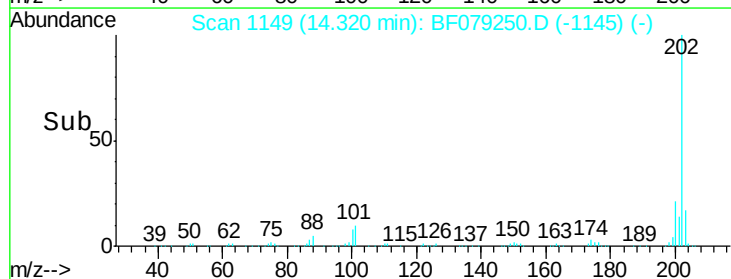
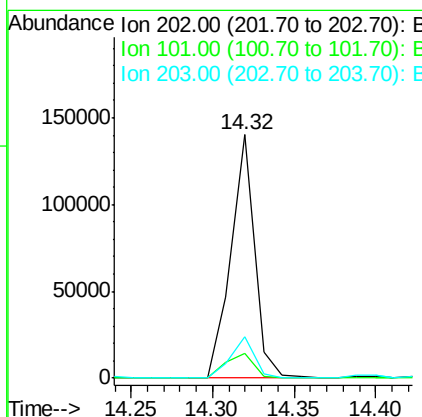
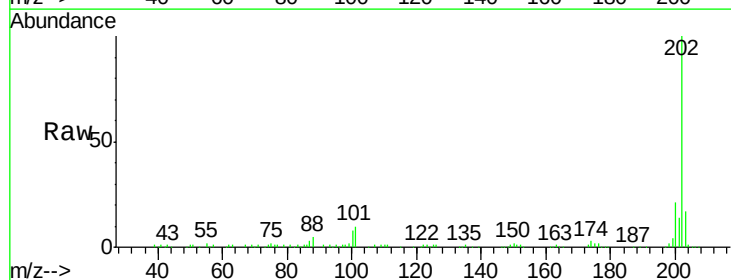
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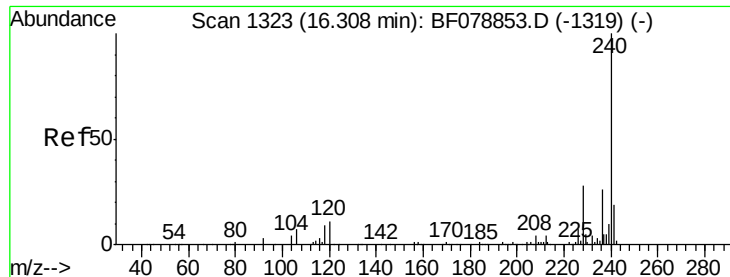
Tgt Ion:178 Resp: 41866
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.8 23.8
 179 14.6 12.5 18.7



#74
 Fluoranthene
 Concen: 12.83 ng
 RT: 14.32 min Scan# 1149
 Delta R.T. -0.06 min
 Lab File: BF079250.D
 Acq: 15 May 2015 00:17

Tgt Ion:202 Resp: 140556
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 34.6
 203 17.3 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.47 min Scan# 1337

Delta R.T. -0.03 min

Lab File: BF079250.D

Acq: 15 May 2015 00:17

Instrument :

BNA_F

ClientSampleId :

PS-19(0-3)

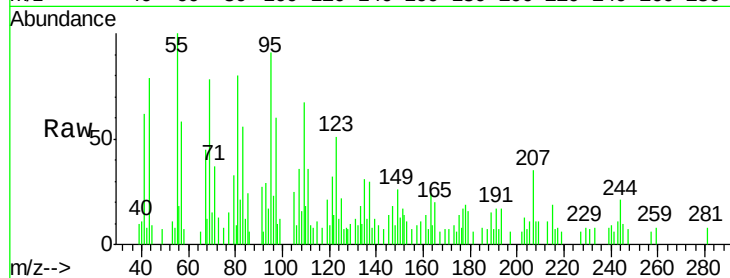
Tgt Ion:240 Resp: 597

Ion Ratio Lower Upper

240 100

120 96.5 9.7 14.5#

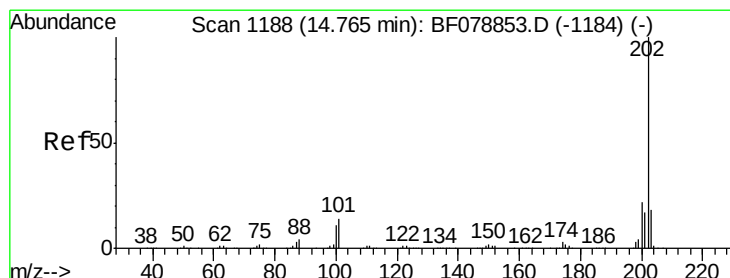
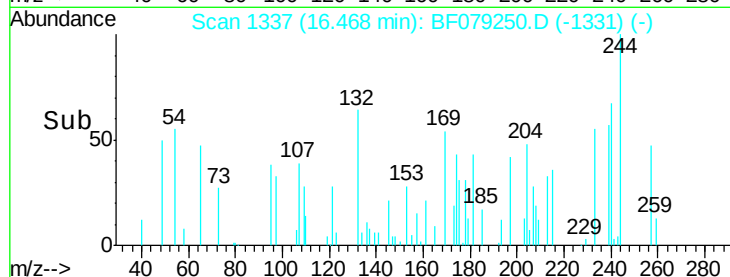
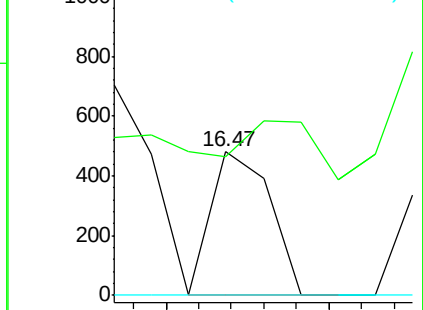
236 0.0 20.2 30.4#



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: 4464.26 ng

RT: 14.59 min Scan# 1173

Delta R.T. -0.09 min

Lab File: BF079250.D

Acq: 15 May 2015 00:17

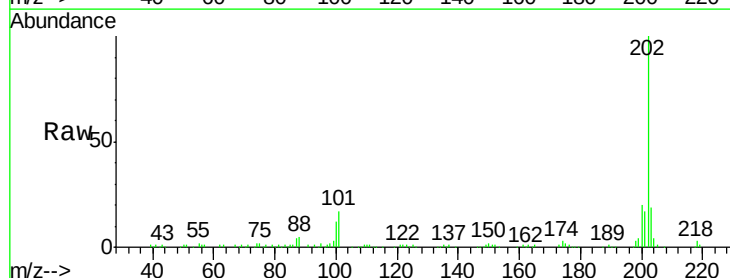
Tgt Ion:202 Resp: 153579

Ion Ratio Lower Upper

202 100

200 20.5 17.5 26.3

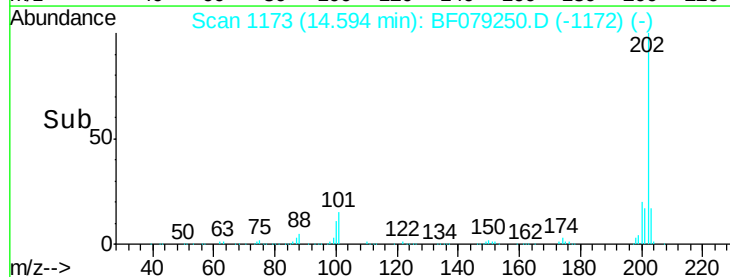
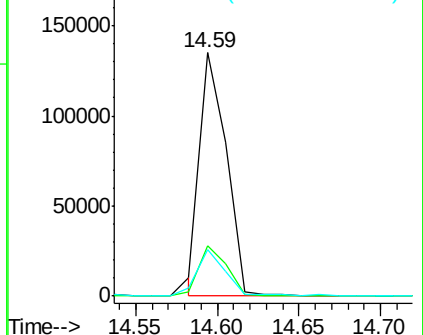
203 18.9 13.9 20.9

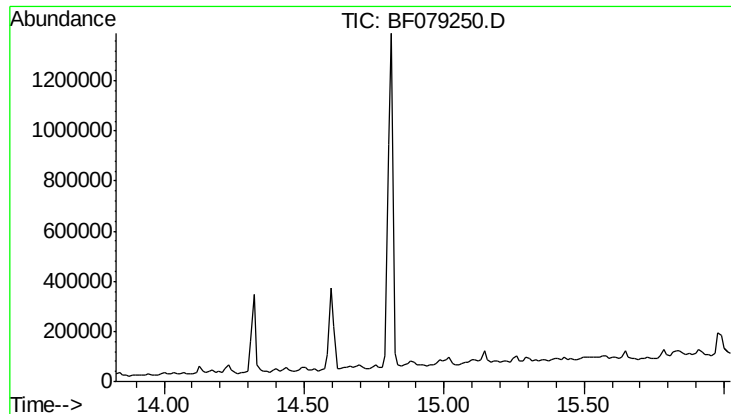


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

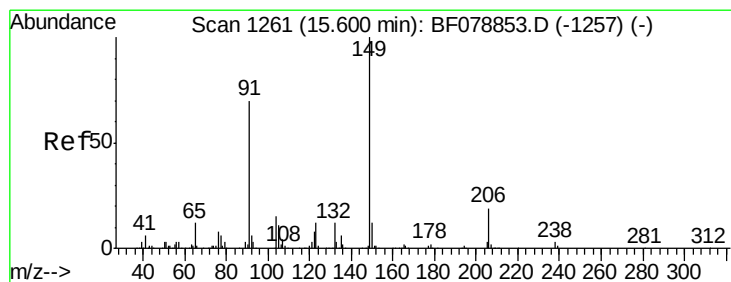
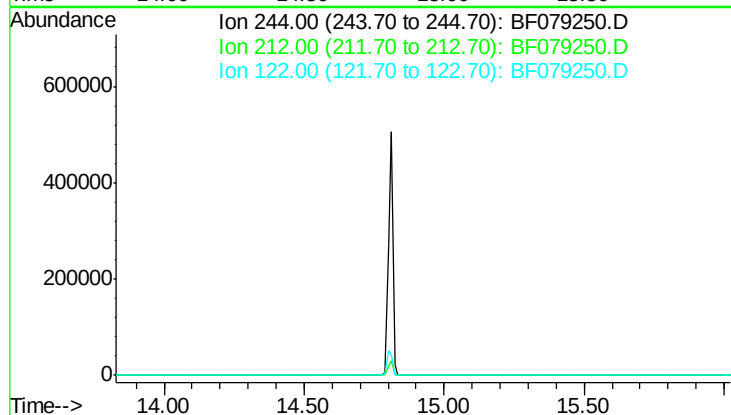




#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.93 min
 Lab File: BF079250.D
 Acq: 15 May 2015 00:17

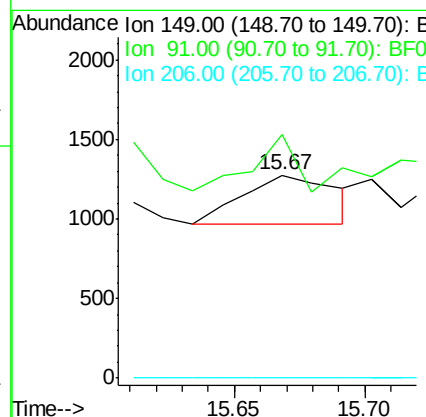
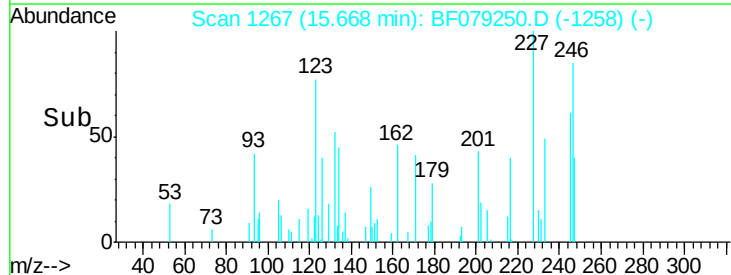
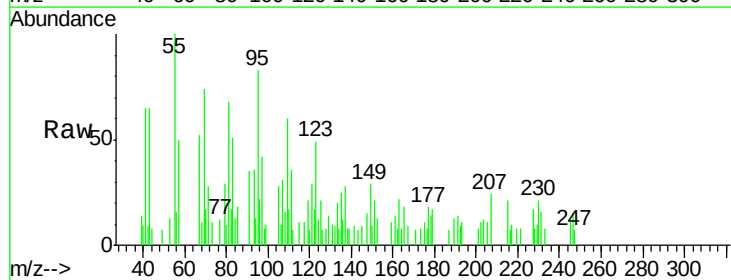
Instrument :
 BNA_F
 ClientSampleId :
 PS-19(0-3)

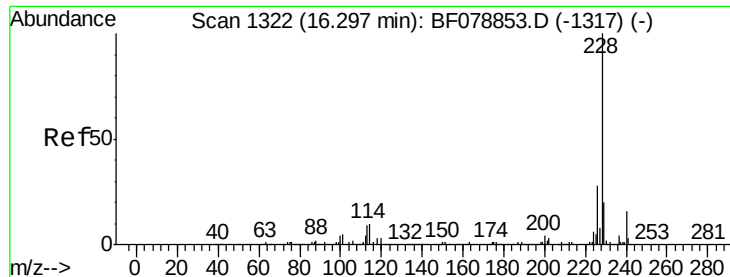
Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 7.0
 122 12.9



#79
 Butylbenzylphthalate
 Concen: 51.07 ng
 RT: 15.67 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: BF079250.D
 Acq: 15 May 2015 00:17

Tgt Ion: 149 Resp: 768
 Ion Ratio Lower Upper
 149 100
 91 119.9 64.6 97.0#
 206 0.0 12.2 18.4#





#80

Benzo(a)anthracene

Concen: 15.51 ng

RT: 16.39 min Scan# 1330

Delta R.T. -0.10 min

Lab File: BF079250.D

Acq: 15 May 2015 00:17

Instrument :

BNA_F

ClientSampled :

PS-19(0-3)

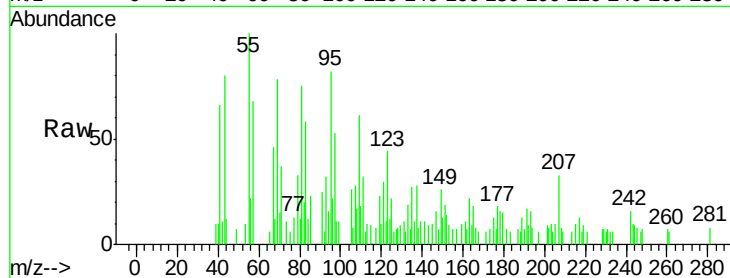
Tgt Ion:228 Resp: 507

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

229 103.1 15.9 23.9#



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

800

600

400

200

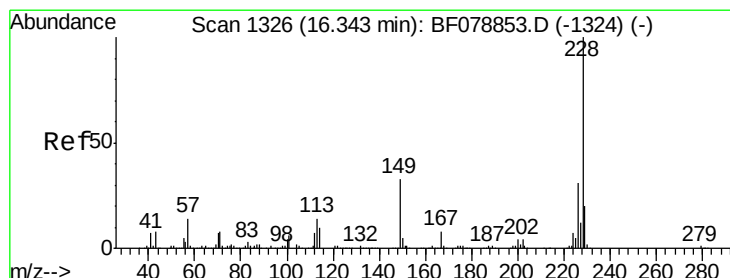
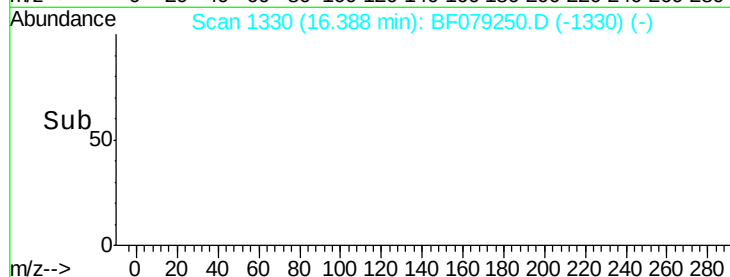
0

16.35

16.40

16.45

Time-->



#82

Chrysene

Concen: 20.93 ng

RT: 16.54 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF079250.D

Acq: 15 May 2015 00:17

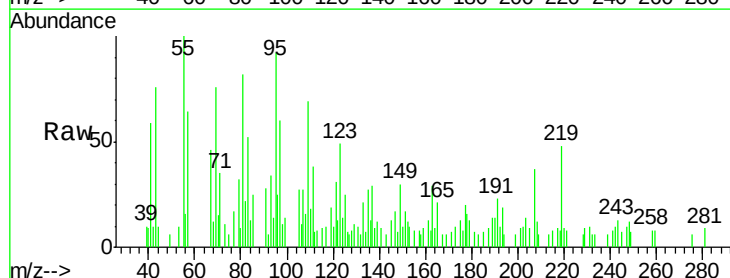
Tgt Ion:228 Resp: 658

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

229 147.6 16.0 24.0#



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

800

600

400

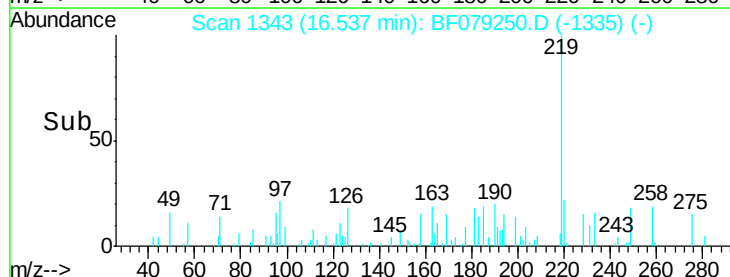
200

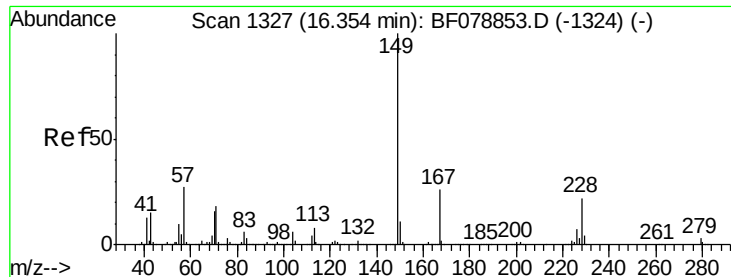
0

16.50

16.55

Time-->

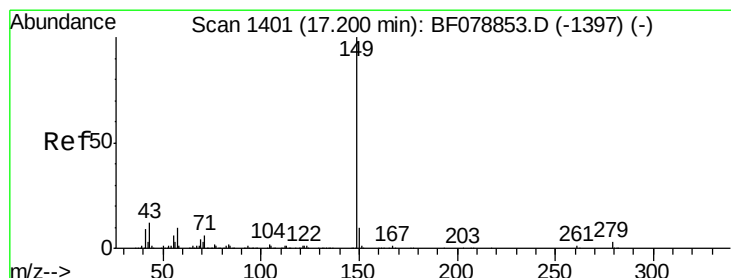
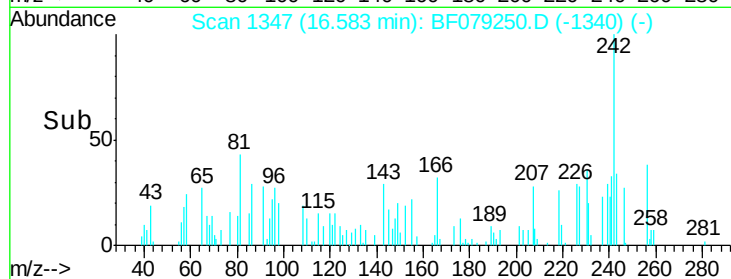
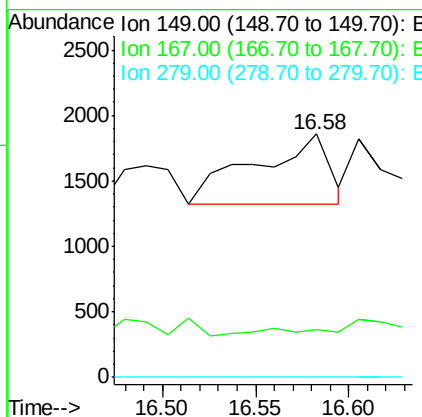
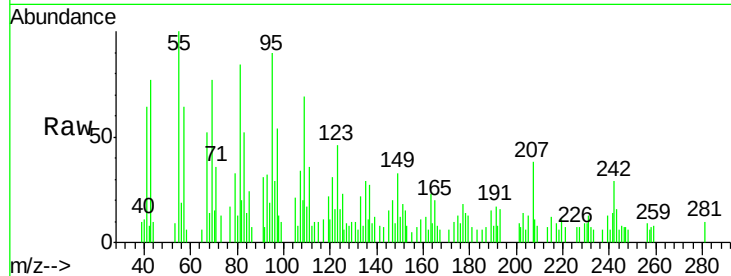




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 65.77 ng
 RT: 16.58 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: BF079250.D
 Acq: 15 May 2015 00:17

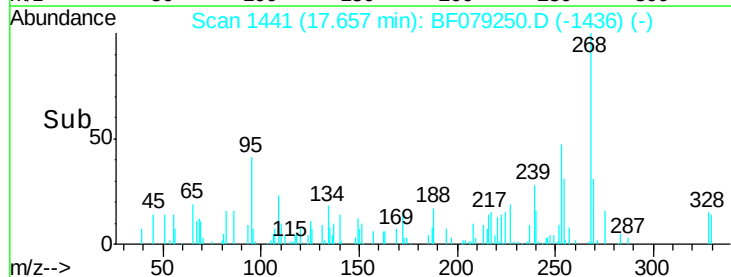
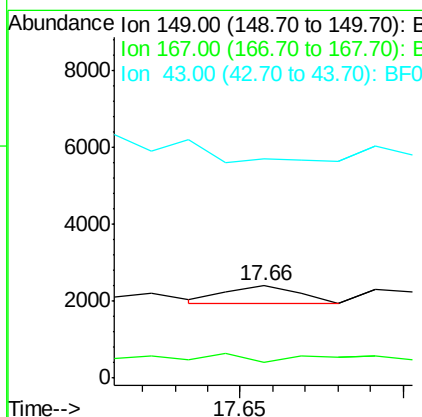
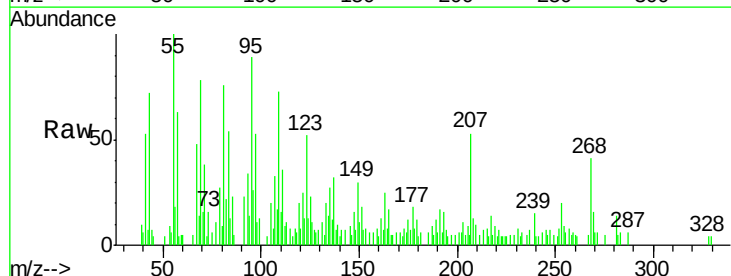
Instrument :
 BNA_F
 ClientSampleId :
 PS-19(0-3)

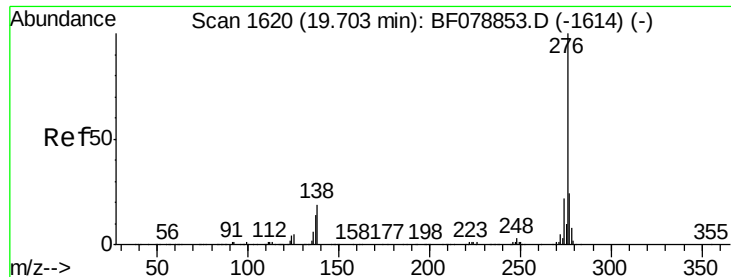
Tgt Ion:149 Resp: 1498
 Ion Ratio Lower Upper
 149 100
 167 19.4 21.8 32.8#
 279 0.0 2.9 4.3#



#84
 Di-n-octyl phthalate
 Concen: 16.90 ng
 RT: 17.66 min Scan# 1441
 Delta R.T. -0.05 min
 Lab File: BF079250.D
 Acq: 15 May 2015 00:17

Tgt Ion:149 Resp: 678
 Ion Ratio Lower Upper
 149 100
 167 109.9 0.0 0.0#
 43 0.0 0.0 0.0





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.59 ng

RT: 20.56 min Scan# 1695

Delta R.T. -0.08 min

Lab File: BF079250.D

Acq: 15 May 2015 00:17

Instrument :

BNA_F

ClientSampleId :

PS-19(0-3)

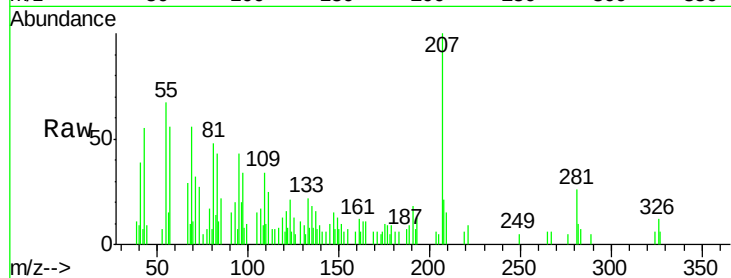
Tgt Ion: 276 Resp: 224

Ion Ratio Lower Upper

276 100

138 331.7 0.0 0.0#

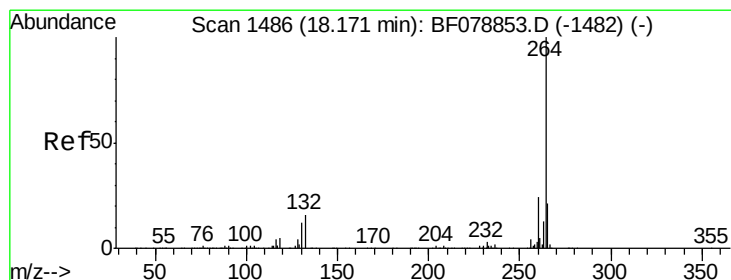
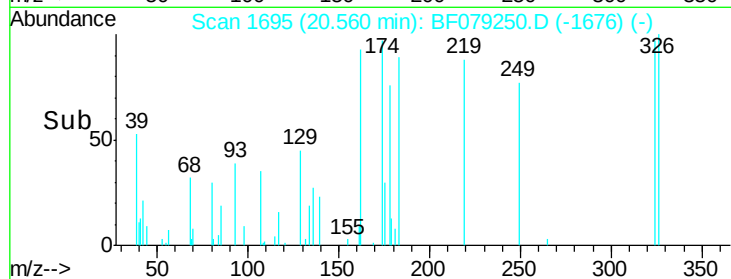
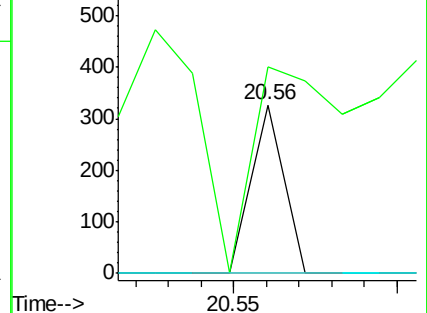
277 0.0 0.0 0.0



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: 18.74 min Scan# 1536

Delta R.T. -0.14 min

Lab File: BF079250.D

Acq: 15 May 2015 00:17

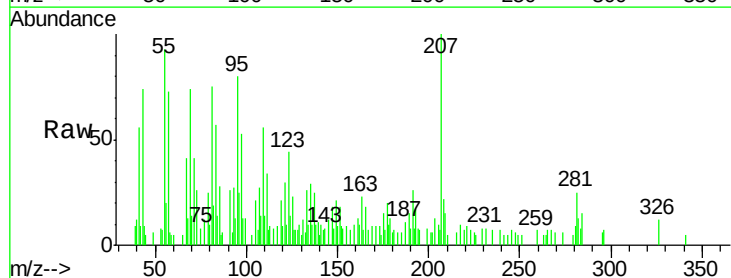
Tgt Ion: 264 Resp: 209

Ion Ratio Lower Upper

264 100

260 0.0 19.4 29.2#

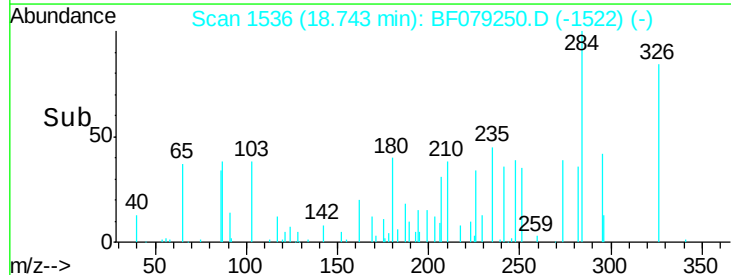
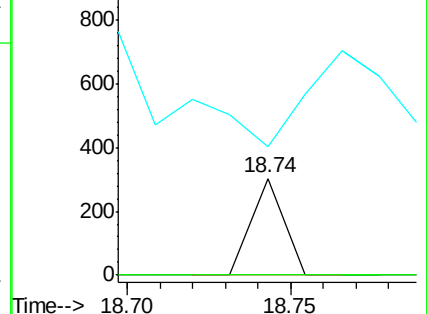
265 132.9 18.3 27.5#

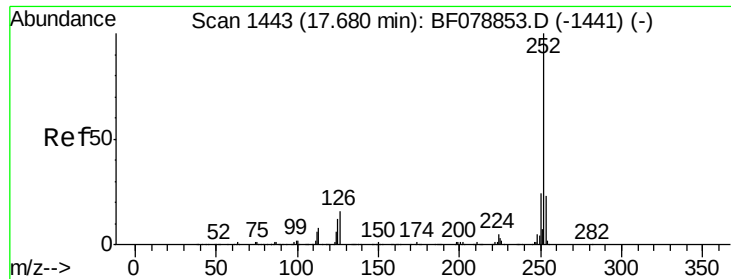


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 186.64 ng

RT: 18.19 min Scan# 1488

Delta R.T. -0.10 min

Lab File: BF079250.D

Acq: 15 May 2015 00:17

Instrument :

BNA_F

ClientSampleId :

PS-19(0-3)

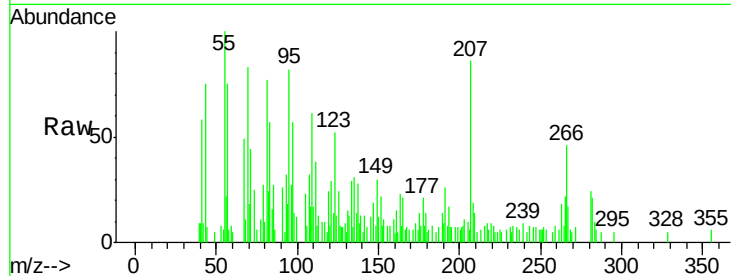
Tgt Ion:252 Resp: 2067

Ion Ratio Lower Upper

252 100

253 84.0 18.1 27.1#

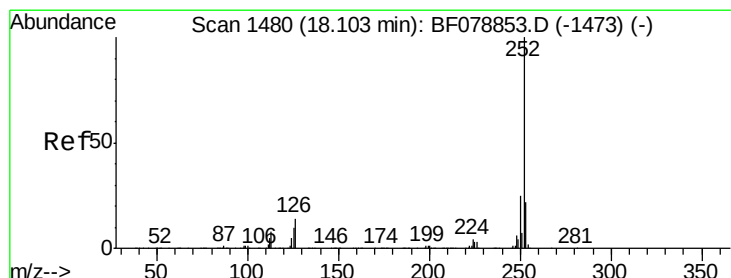
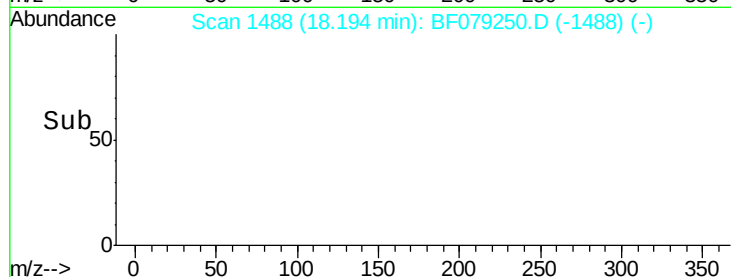
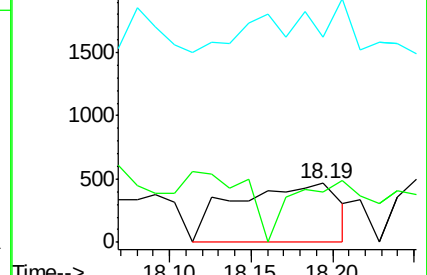
125 346.2 10.0 15.0#



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



#89

Benzo(a)pyrene

Concen: 52.50 ng

RT: 18.70 min Scan# 1532

Delta R.T. -0.09 min

Lab File: BF079250.D

Acq: 15 May 2015 00:17

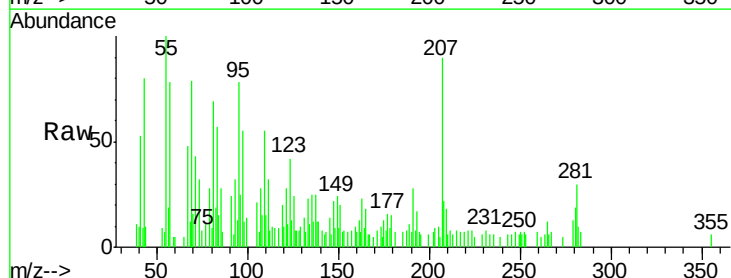
Tgt Ion:252 Resp: 553

Ion Ratio Lower Upper

252 100

253 88.7 17.3 25.9#

125 334.5 7.0 10.6#



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

