

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078576.D
 Acq On : 16 Apr 2015 20:17
 Operator : TP/IZ
 Sample : G1855-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB15B(5.5-6)

Quant Time: Apr 17 02:23:55 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 00:52:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	21068	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	91617	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	47890	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	97383	20.00	ng	0.00
75) Chrysene-d12	15.50	240	105824	20.00	ng	0.01
86) Perylene-d12	17.26	264	108705	20.00	ng	0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.92	112	178020	139.32	ng	0.02
7) Phenol-d6	6.31	99	238075	148.67	ng	0.01
23) Nitrobenzene-d5	7.39	82	130447	86.30	ng	0.00
41) 2,4,6-Tribromophenol	11.40	330	61579	155.04	ng	0.01
44) 2-Fluorobiphenyl	9.62	172	272779	81.42	ng	0.00
78) Terphenyl-d14	14.24	244	317565	67.81	ng	0.01

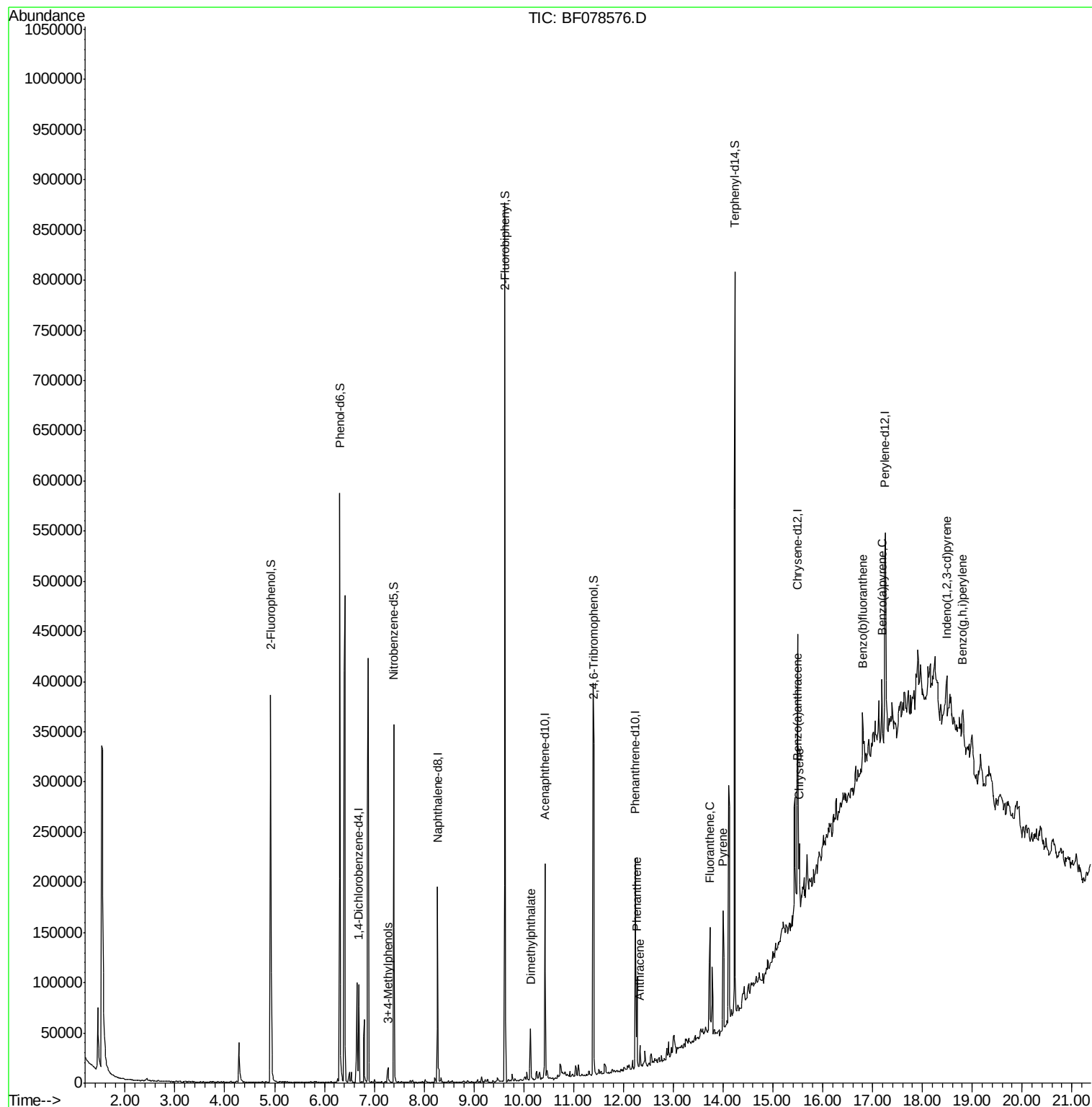
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 3+4-Methylphenols	7.28	107	7033	4.49	ng	98
49) Dimethylphthalate	10.14	163	21820	6.06	ng	# 97
70) Phenanthrene	12.27	178	38087	6.76	ng	100
71) Anthracene	12.33	178	13401	2.41	ng	97
74) Fluoranthene	13.74	202	54182	9.12	ng	92
77) Pyrene	14.00	202	52851	7.96	ng	# 90
80) Benzo(a)anthracene	15.49	228	30812	4.89	ng	93
82) Chrysene	15.53	228	25166m	4.25	ng	
85) Indeno(1,2,3-cd)pyrene	18.48	276	21225m	3.16	ng	
87) Benzo(b)fluoranthene	16.80	252	39840m	5.93	ng	
89) Benzo(a)pyrene	17.19	252	29626	5.05	ng	# 80
91) Benzo(g,h,i)perylene	18.81	276	21094m	3.58	ng	

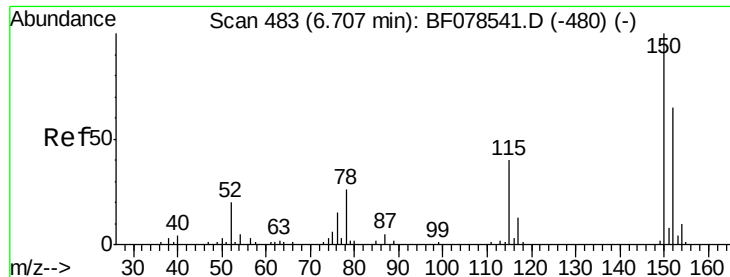
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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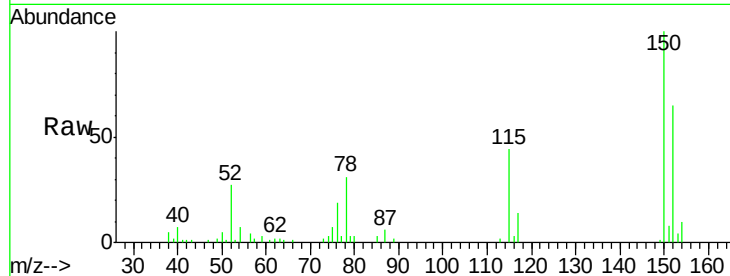


#1

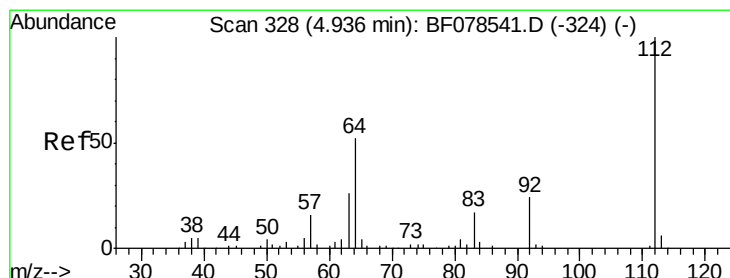
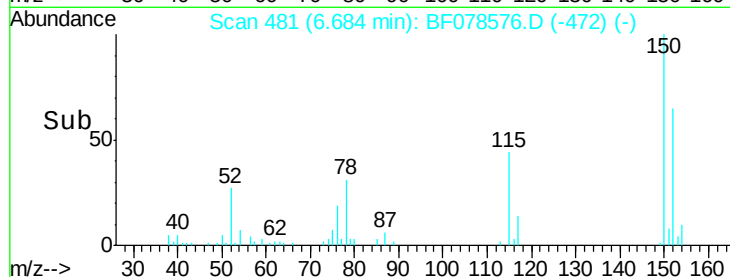
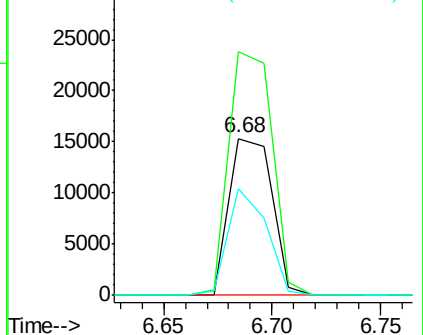
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 481
Delta R.T. 0.00 min
Lab File: BF078576.D
Acq: 16 Apr 2015 20:17

Instrument :
BNA_F
ClientSampleId :
LS-SB15B(5.5-6)

Tgt Ion:152 Resp: 21068
Ion Ratio Lower Upper
152 100
150 155.0 125.9 188.9
115 67.8 52.7 79.1



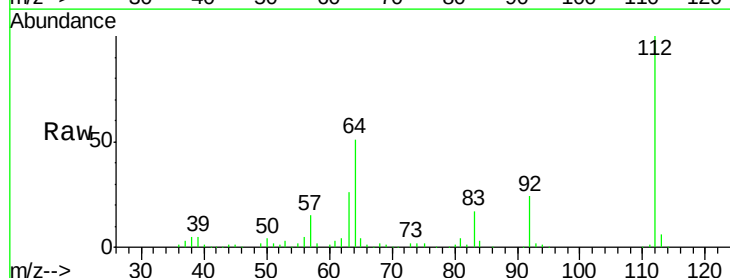
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



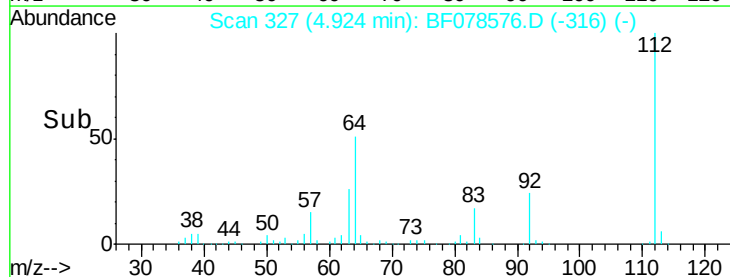
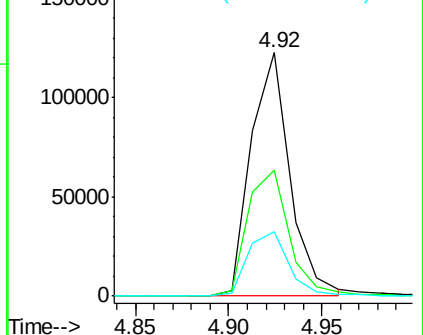
#5

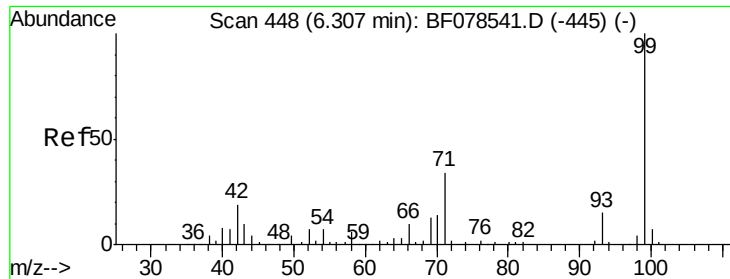
2-Fluorophenol
Concen: 139.32 ng
RT: 4.92 min Scan# 327
Delta R.T. 0.02 min
Lab File: BF078576.D
Acq: 16 Apr 2015 20:17

Tgt Ion:112 Resp: 178020
Ion Ratio Lower Upper
112 100
64 51.4 39.9 59.9
63 26.4 20.2 30.4



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: 148.67 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078576.D

Acq: 16 Apr 2015 20:17

Instrument :

BNA_F

ClientSampleId :

LS-SB15B(5.5-6)

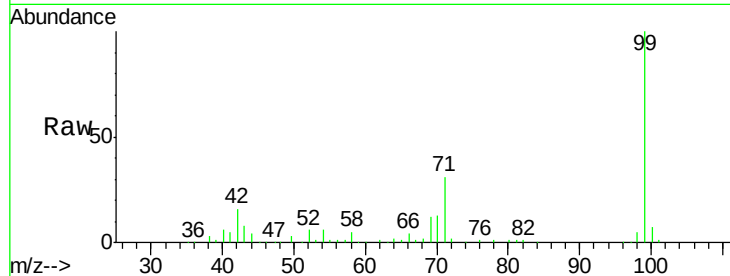
Tgt Ion: 99 Resp: 238075

Ion Ratio Lower Upper

99 100

42 16.4 14.8 22.2

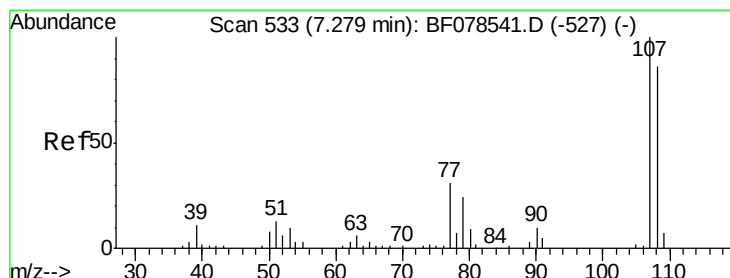
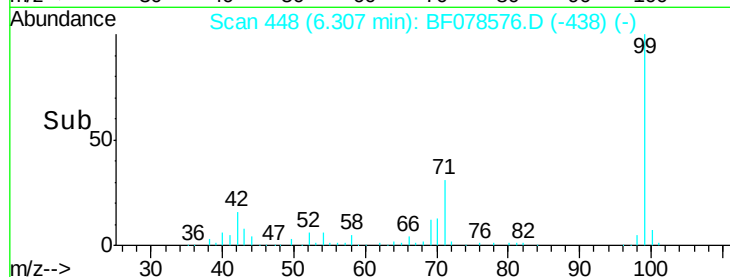
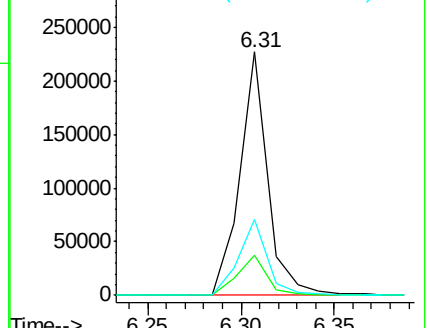
71 31.4 26.6 39.8



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



#20

3+4-Methylphenols

Concen: 4.49 ng

RT: 7.28 min Scan# 533

Delta R.T. 0.01 min

Lab File: BF078576.D

Acq: 16 Apr 2015 20:17

Tgt Ion: 107 Resp: 7033

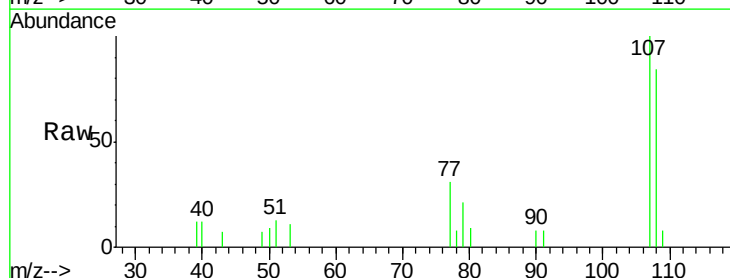
Ion Ratio Lower Upper

107 100

108 83.5 64.4 104.4

77 30.8 9.7 49.7

79 21.3 4.0 44.0

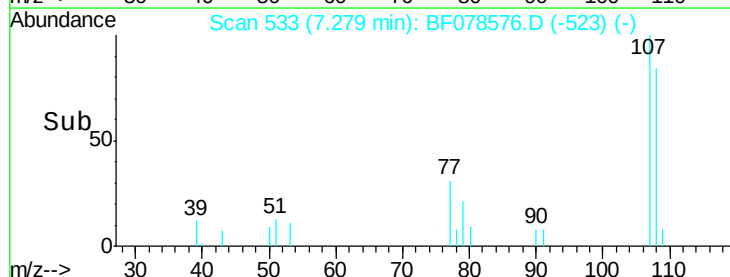
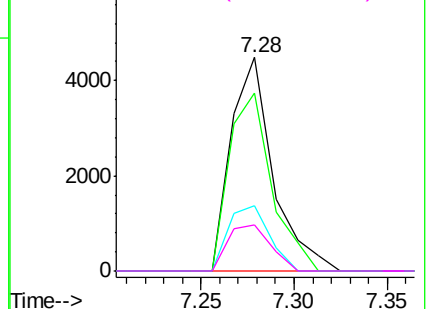


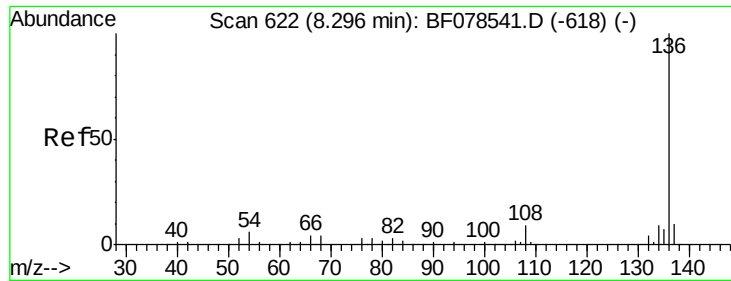
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

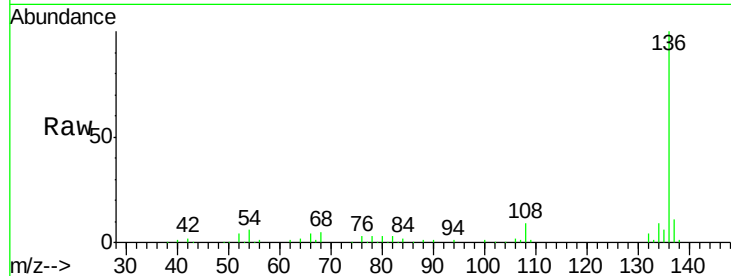




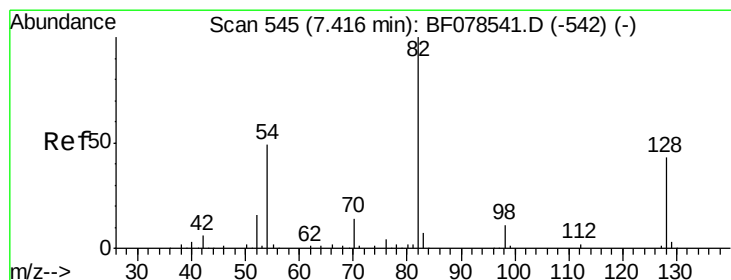
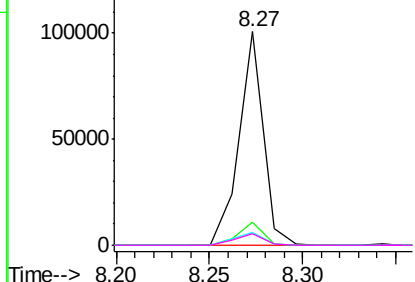
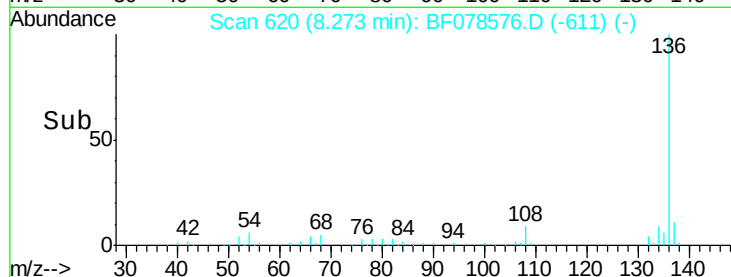
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 620
Delta R.T. 0.00 min
Lab File: BF078576.D
Acq: 16 Apr 2015 20:17

Instrument :
BNA_F
ClientSampleId :
LS-SB15B(5.5-6)

Tgt Ion:	136	Resp:	91617
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.0	7.0	10.6#
68	5.2	5.4	8.2#

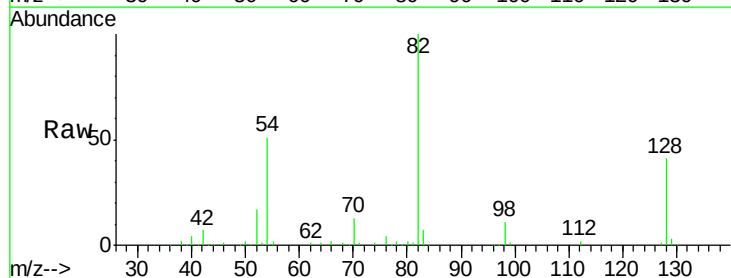


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

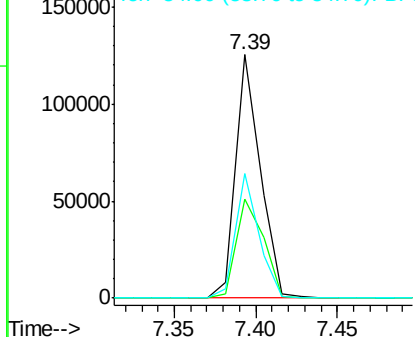
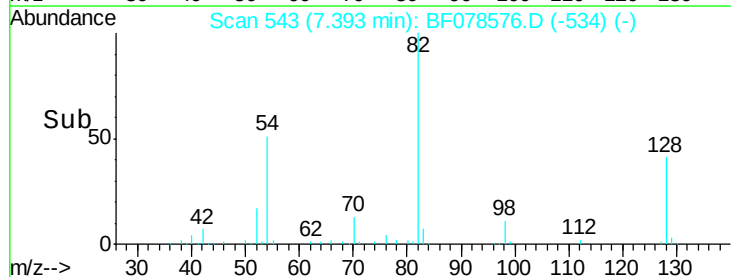


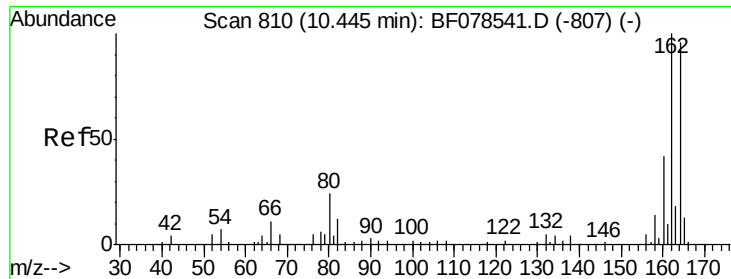
#23
Nitrobenzene-d5
Concen: 86.30 ng
RT: 7.39 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF078576.D
Acq: 16 Apr 2015 20:17

Tgt Ion:	82	Resp:	130447
Ion	Ratio	Lower	Upper
82	100		
128	40.9	31.8	47.8
54	51.0	41.5	62.3



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

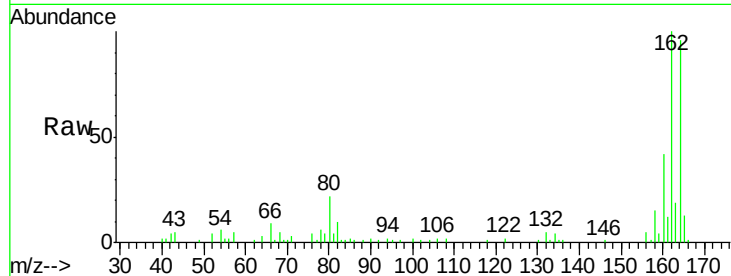




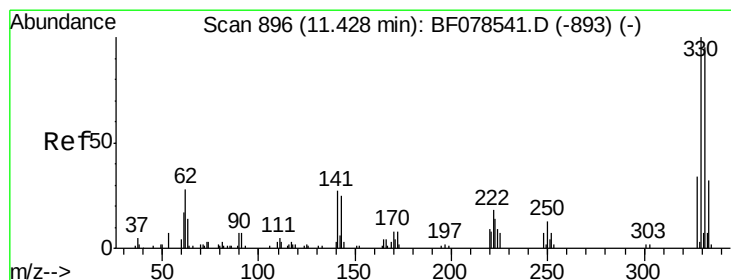
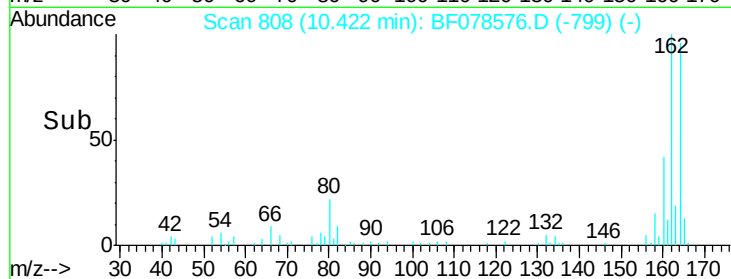
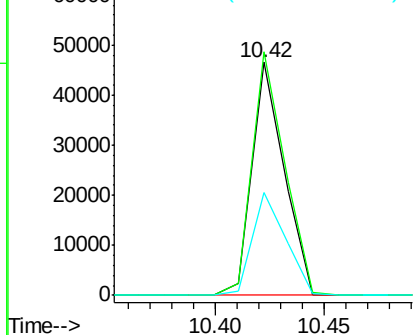
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078576.D
 Acq: 16 Apr 2015 20:17

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB15B(5.5-6)

Tgt Ion:164 Resp: 47890
 Ion Ratio Lower Upper
 164 100
 162 104.5 82.2 123.2
 160 44.3 34.7 52.1

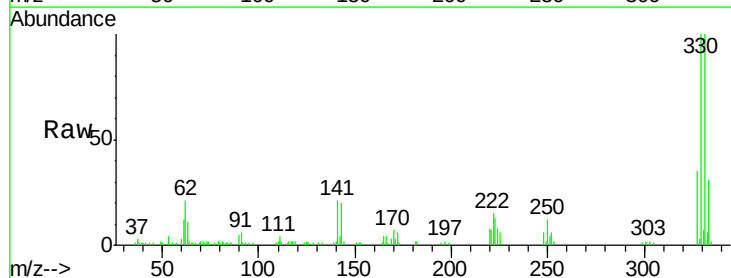


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

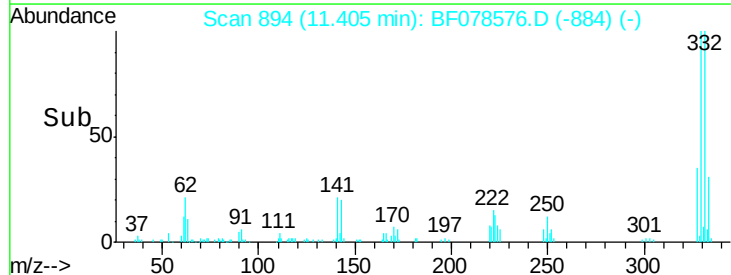
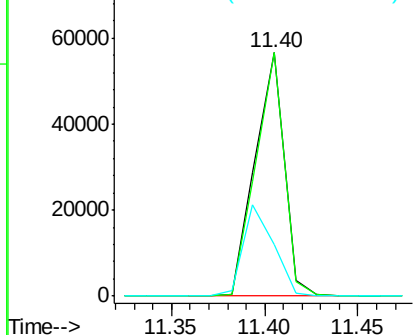


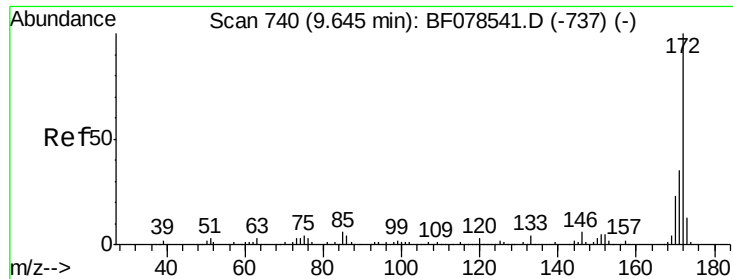
#41
 2,4,6-Tribromophenol
 Concen: 155.04 ng
 RT: 11.40 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: BF078576.D
 Acq: 16 Apr 2015 20:17

Tgt Ion:330 Resp: 61579
 Ion Ratio Lower Upper
 330 100
 332 97.5 78.6 117.8
 141 39.6 31.2 46.8



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

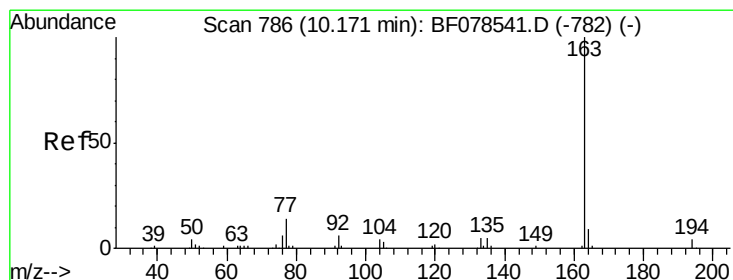
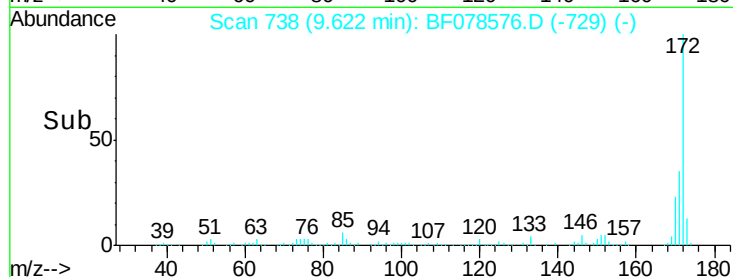
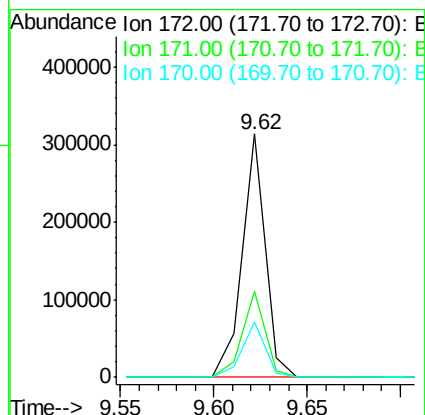
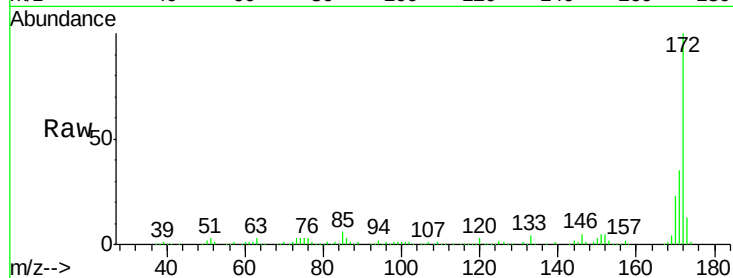




#44
 2-Fluorobiphenyl
 Concen: 81.42 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078576.D
 Acq: 16 Apr 2015 20:17

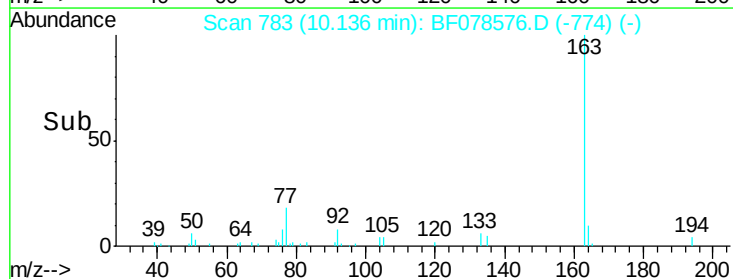
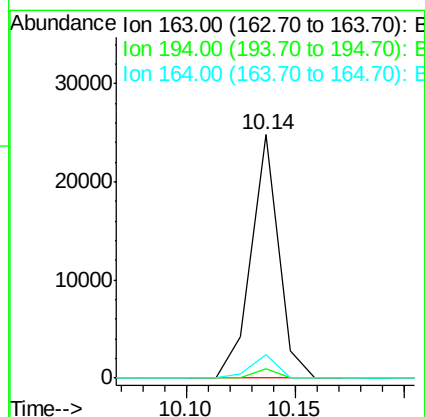
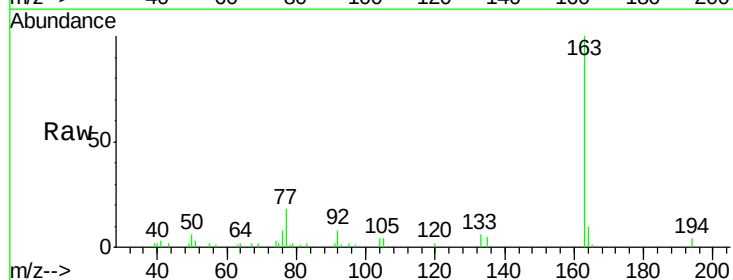
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 LS-SB15B(5.5-6)

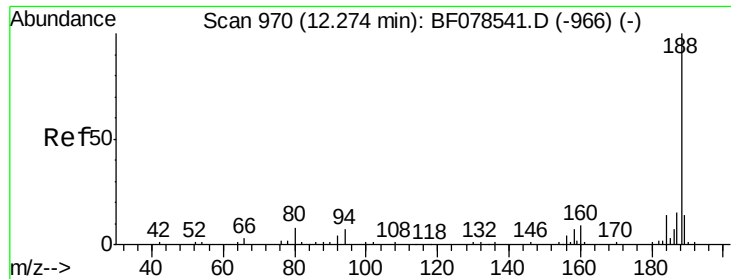
Tgt Ion:172 Resp: 272779
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 42.8
 170 22.9 18.5 27.7



#49
 Dimethylphthalate
 Concen: 6.06 ng
 RT: 10.14 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF078576.D
 Acq: 16 Apr 2015 20:17

Tgt Ion:163 Resp: 21820
 Ion Ratio Lower Upper
 163 100
 194 4.0 2.3 3.5#
 164 9.8 8.6 13.0

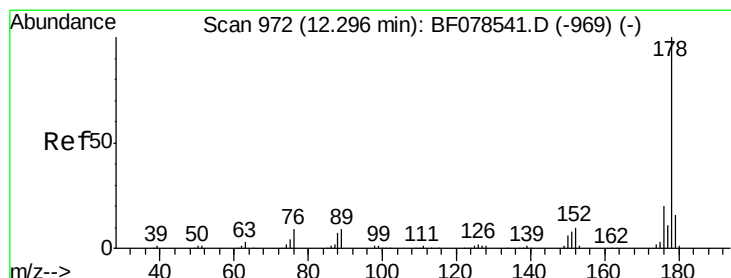
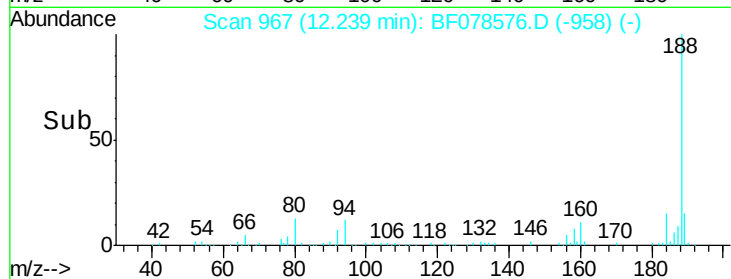
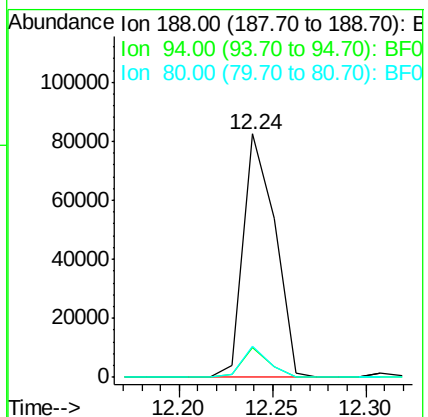
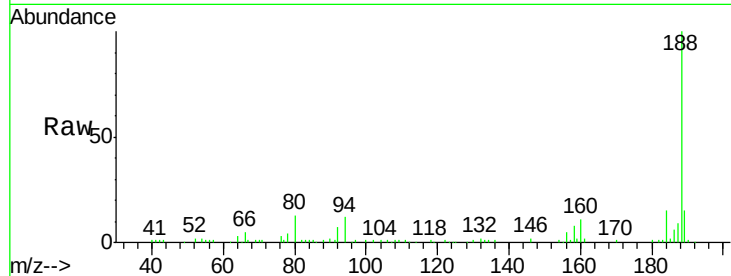




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BF078576.D
 Acq: 16 Apr 2015 20:17

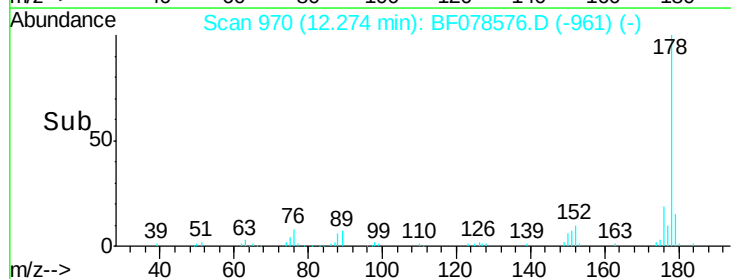
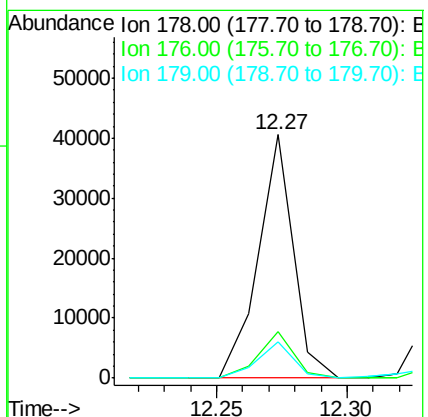
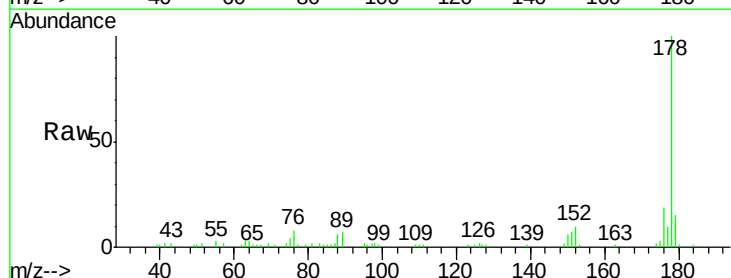
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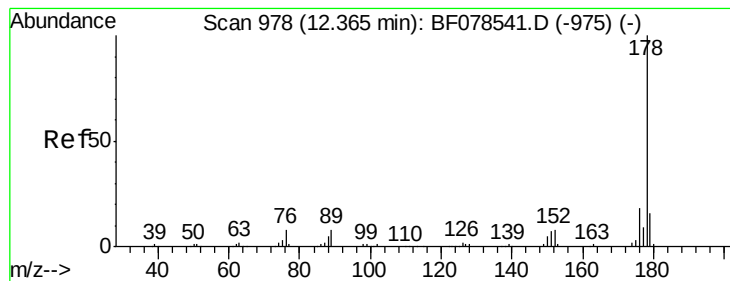
Tgt Ion:188 Resp: 97383
 Ion Ratio Lower Upper
 188 100
 94 12.2 9.0 13.4
 80 12.9 9.5 14.3



#70
 Phenanthrene
 Concen: 6.76 ng
 RT: 12.27 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: BF078576.D
 Acq: 16 Apr 2015 20:17

Tgt Ion:178 Resp: 38087
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 15.1 12.2 18.2





#71

Anthracene

Concen: 2.41 ng

RT: 12.33 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF078576.D

Acq: 16 Apr 2015 20:17

Instrument :

BNA_F

ClientSampleId :

LS-SB15B(5.5-6)

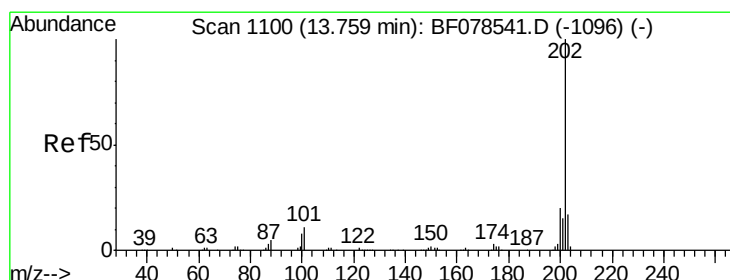
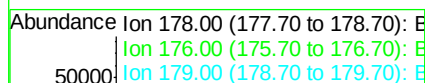
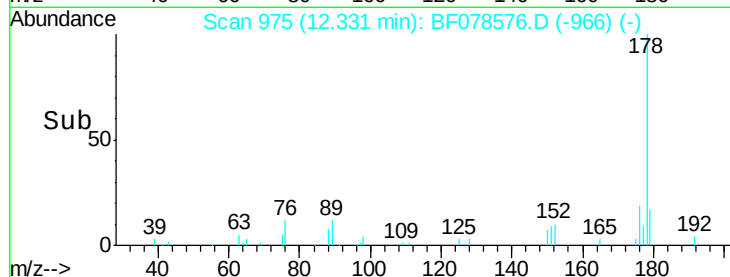
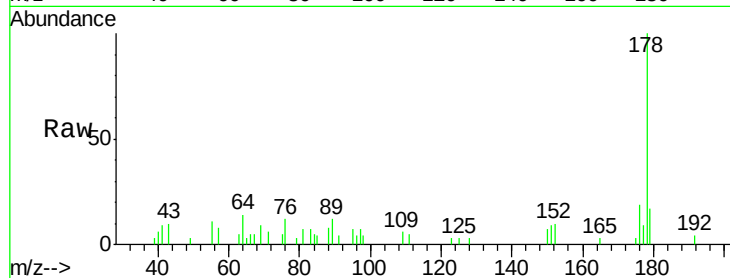
Tgt Ion:178 Resp: 13401

Ion Ratio Lower Upper

178 100

176 19.2 14.8 22.2

179 17.5 12.4 18.6



#74

Fluoranthene

Concen: 9.12 ng

RT: 13.74 min Scan# 1098

Delta R.T. 0.01 min

Lab File: BF078576.D

Acq: 16 Apr 2015 20:17

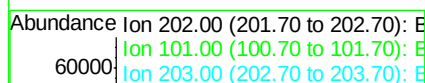
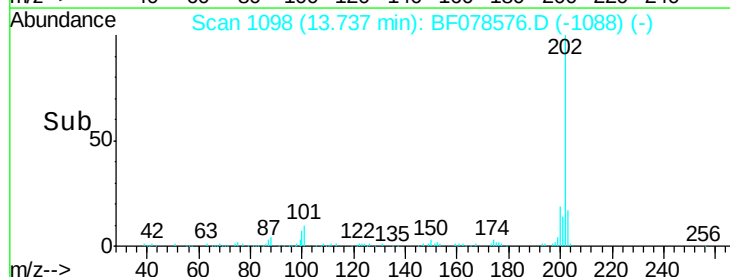
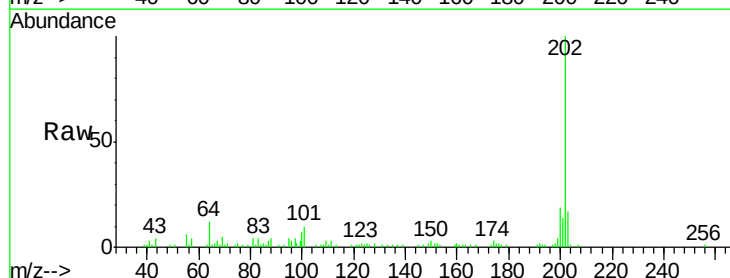
Tgt Ion:202 Resp: 54182

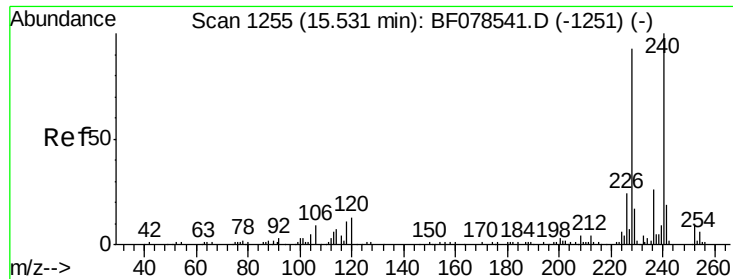
Ion Ratio Lower Upper

202 100

101 9.6 0.0 35.2

203 17.2 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 1252

Delta R.T. 0.01 min

Lab File: BF078576.D

Acq: 16 Apr 2015 20:17

Instrument :

BNA_F

ClientSampleId :

LS-SB15B(5.5-6)

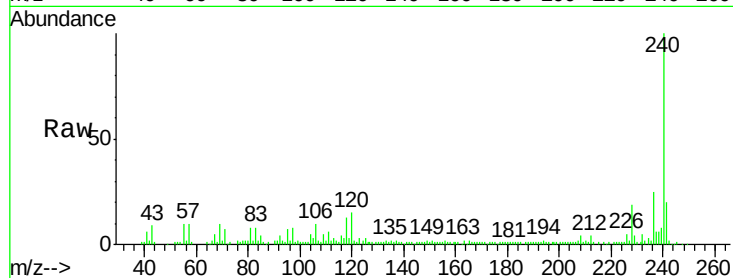
Tgt Ion:240 Resp: 105824

Ion Ratio Lower Upper

240 100

120 15.4 7.1 10.7#

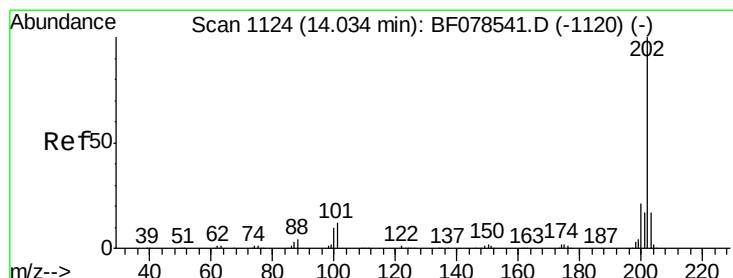
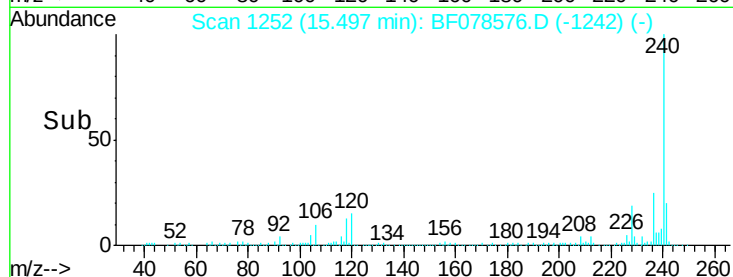
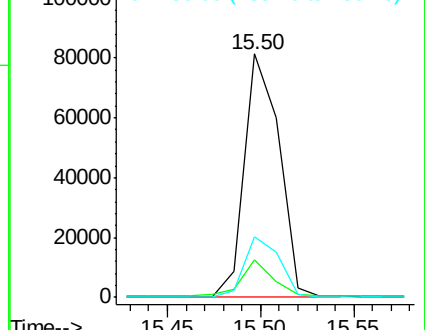
236 25.1 21.4 32.2



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: 7.96 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF078576.D

Acq: 16 Apr 2015 20:17

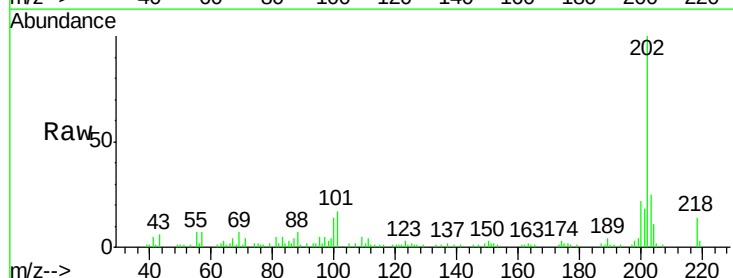
Tgt Ion:202 Resp: 52851

Ion Ratio Lower Upper

202 100

200 21.5 16.3 24.5

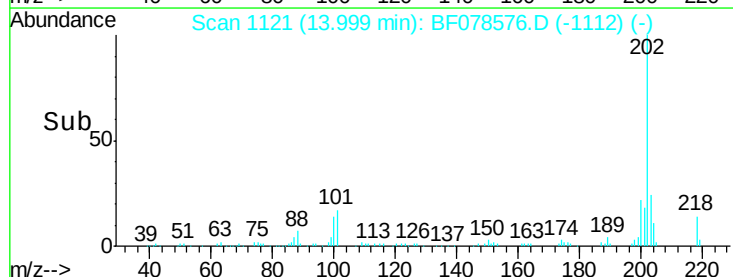
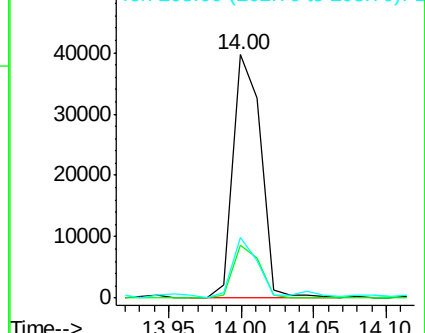
203 25.1 13.8 20.6#

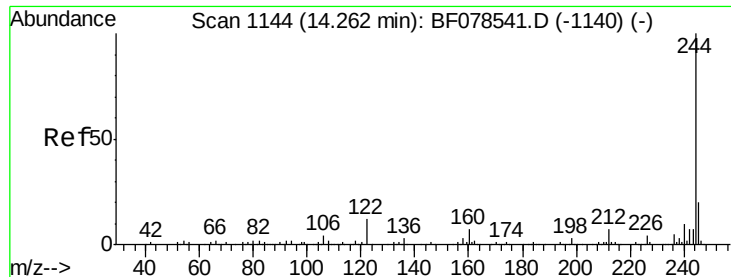


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.81 ng

RT: 14.24 min Scan# 1142

Delta R.T. 0.01 min

Lab File: BF078576.D

Acq: 16 Apr 2015 20:17

Instrument :

BNA_F

ClientSampleId :

LS-SB15B(5.5-6)

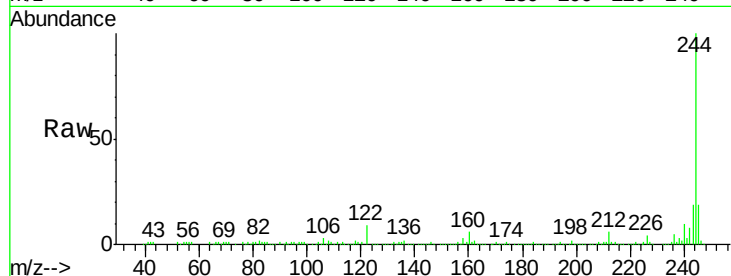
Tgt Ion:244 Resp: 317565

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 8.6 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

14.24

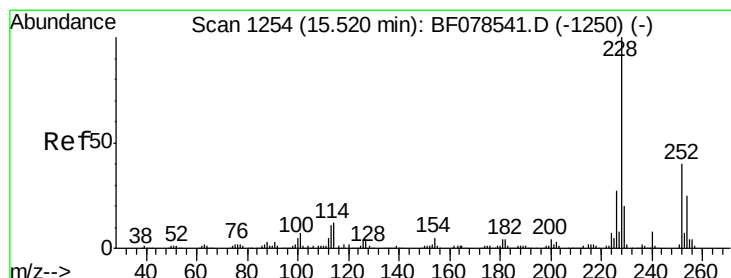
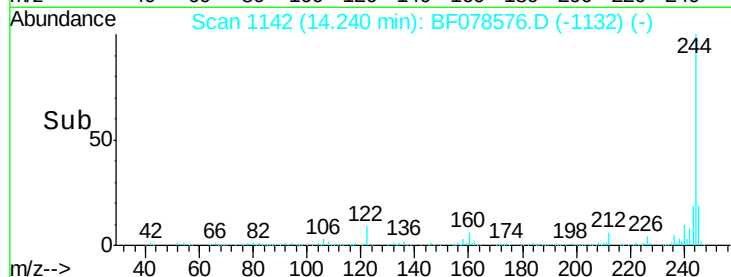
300000

200000

100000

0

Time--> 14.15 14.20 14.25 14.30



#80

Benzo(a)anthracene

Concen: 4.89 ng

RT: 15.49 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BF078576.D

Acq: 16 Apr 2015 20:17

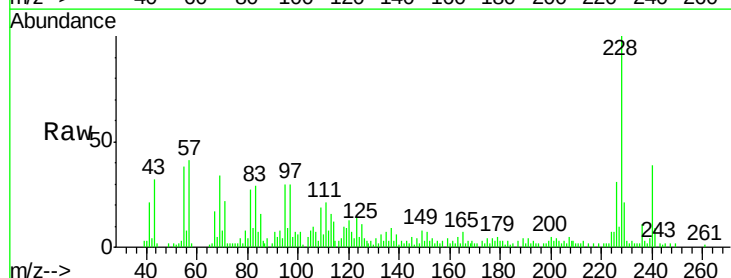
Tgt Ion:228 Resp: 30812

Ion Ratio Lower Upper

228 100

226 30.9 21.3 31.9

229 21.1 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

15.49

30000

25000

20000

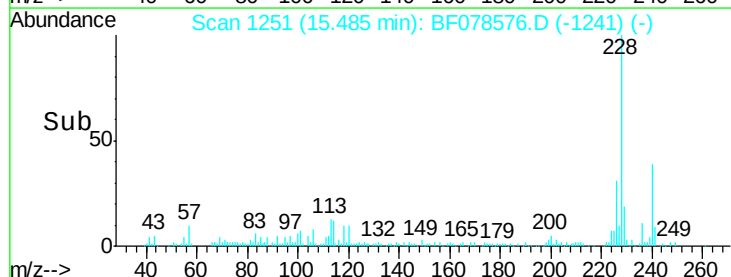
15000

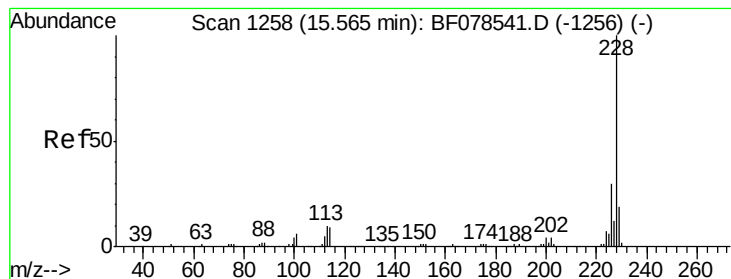
10000

5000

0

Time--> 15.40 15.45 15.50





#82

Chrysene

Concen: 4.25 ng m

RT: 15.53 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF078576.D

Acq: 16 Apr 2015 20:17

Instrument :

BNA_F

ClientSampleId :

LS-SB15B(5.5-6)

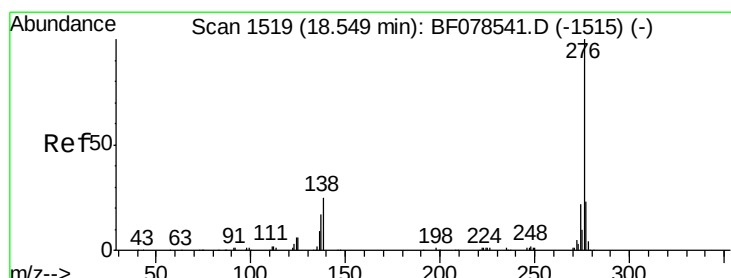
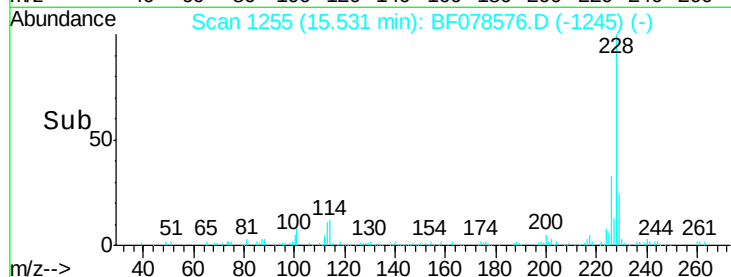
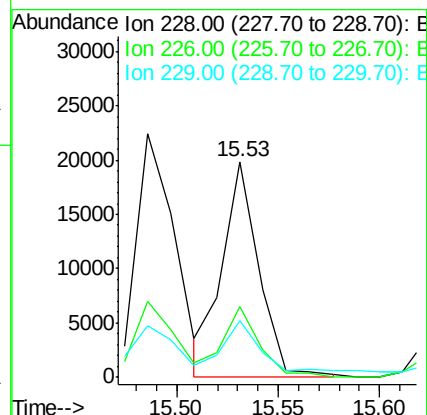
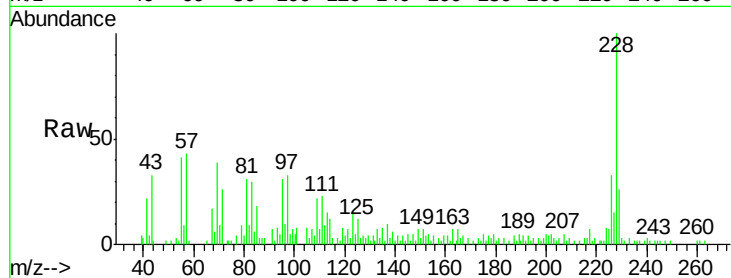
Tgt Ion:228 Resp: 25166

Ion Ratio Lower Upper

228 100

226 32.5 24.2 36.4

229 26.1 15.8 23.8#



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.16 ng m

RT: 18.48 min Scan# 1513

Delta R.T. 0.10 min

Lab File: BF078576.D

Acq: 16 Apr 2015 20:17

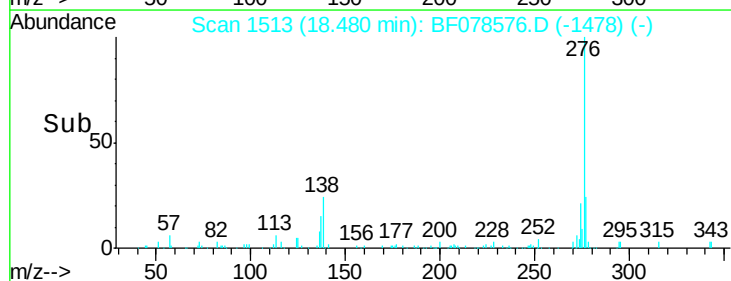
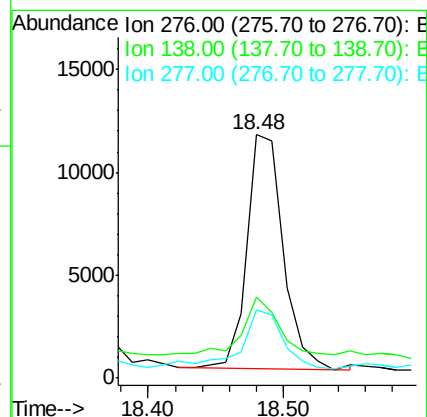
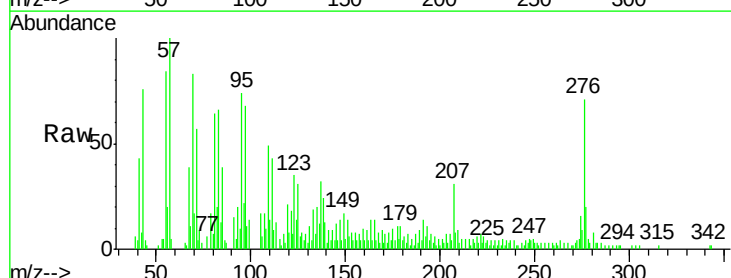
Tgt Ion:276 Resp: 21225

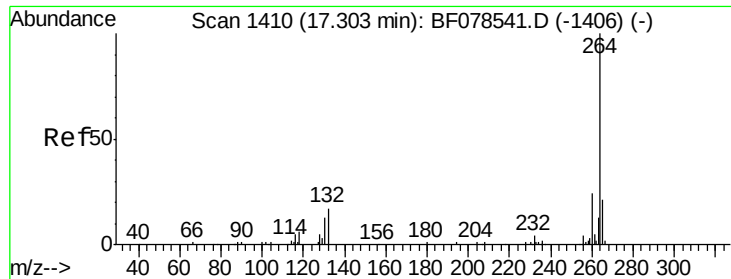
Ion Ratio Lower Upper

276 100

138 5.9 16.9 25.3#

277 5.8 15.8 23.6#



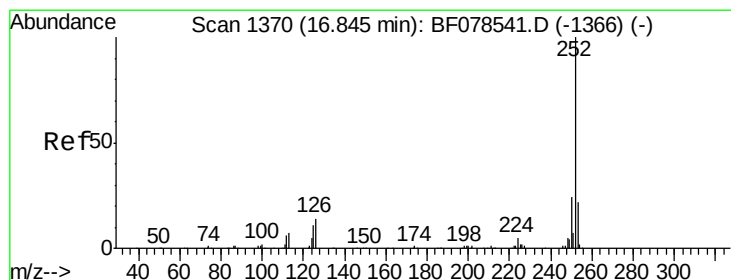
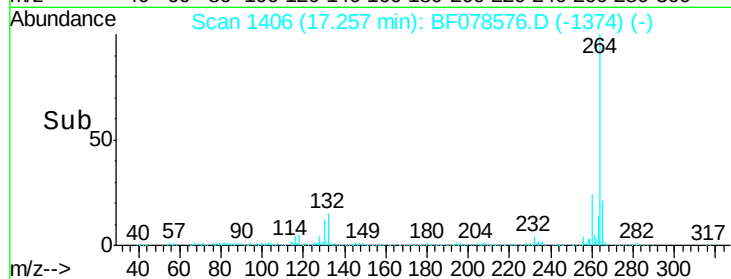
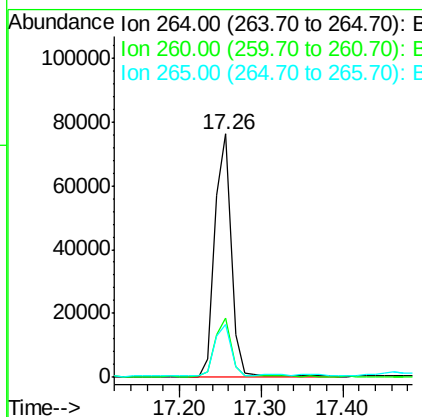
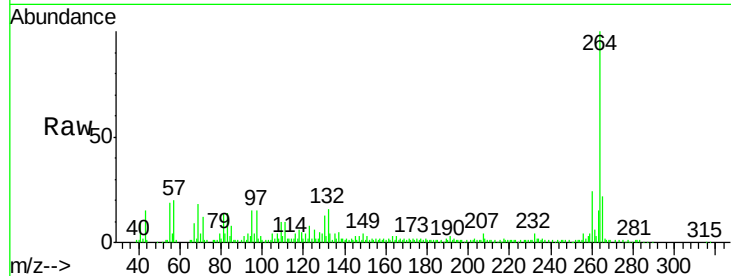


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.26 min Scan# 1406
Delta R.T. 0.07 min
Lab File: BF078576.D
Acq: 16 Apr 2015 20:17

Instrument :
BNA_F
ClientSampleId :
LS-SB15B(5.5-6)

Tgt Ion: 264 Resp: 108705

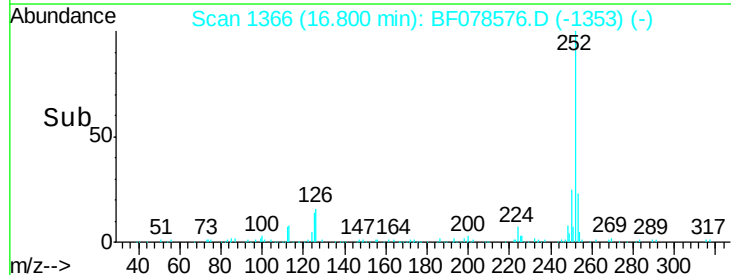
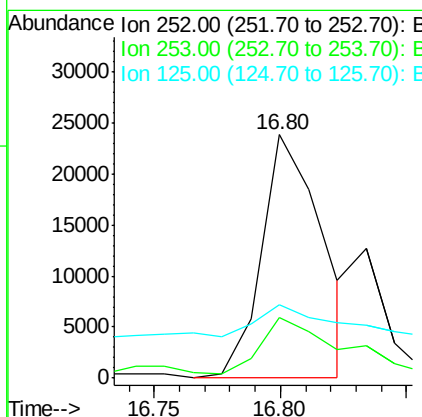
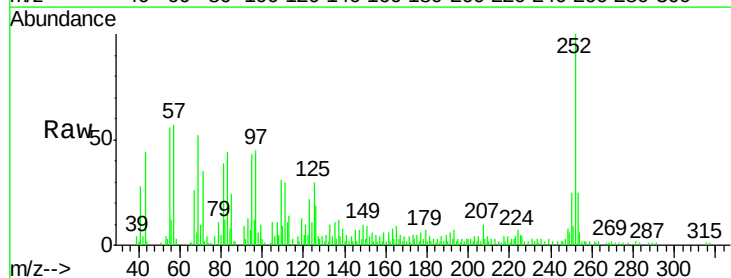
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	21.8	17.0	25.6

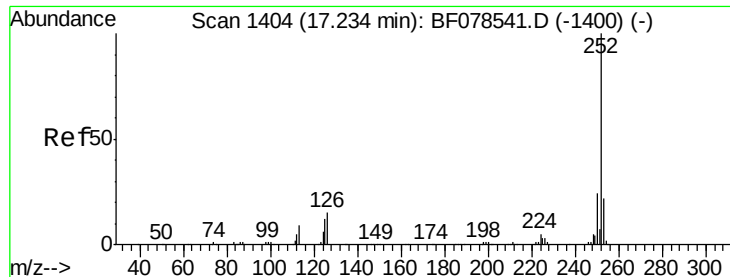


#87
Benzo(b)fluoranthene
Concen: 5.93 ng m
RT: 16.80 min Scan# 1366
Delta R.T. 0.05 min
Lab File: BF078576.D
Acq: 16 Apr 2015 20:17

Tgt Ion: 252 Resp: 39840

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.2	25.8
125	30.3	7.0	10.4





#89

Benzo(a)pyrene

Concen: 5.05 ng

RT: 17.19 min Scan# 1400

Delta R.T. 0.06 min

Lab File: BF078576.D

Acq: 16 Apr 2015 20:17

Instrument :

BNA_F

ClientSampleId :

LS-SB15B(5.5-6)

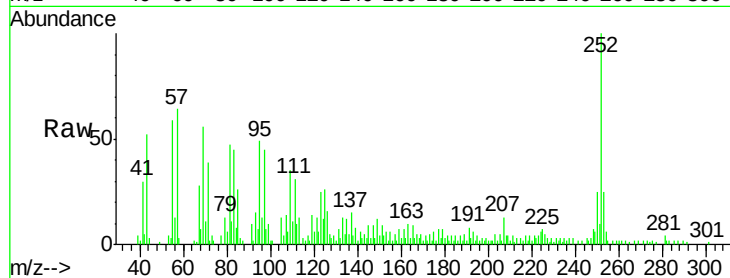
Tgt Ion:252 Resp: 29626

Ion Ratio Lower Upper

252 100

253 25.1 16.8 25.2

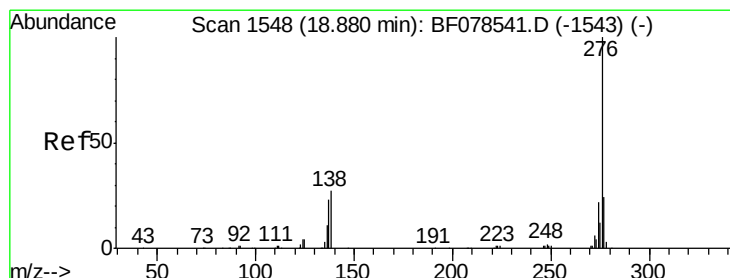
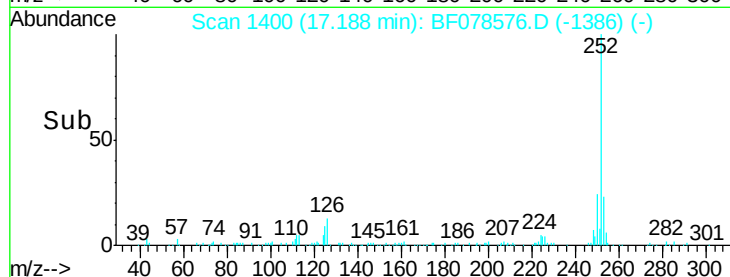
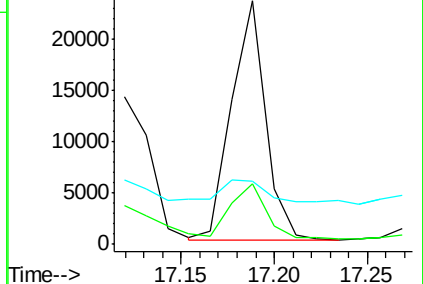
125 26.0 7.4 11.0#



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



#91

Benzo(g,h,i)perylene

Concen: 3.58 ng m

RT: 18.81 min Scan# 1542

Delta R.T. 0.10 min

Lab File: BF078576.D

Acq: 16 Apr 2015 20:17

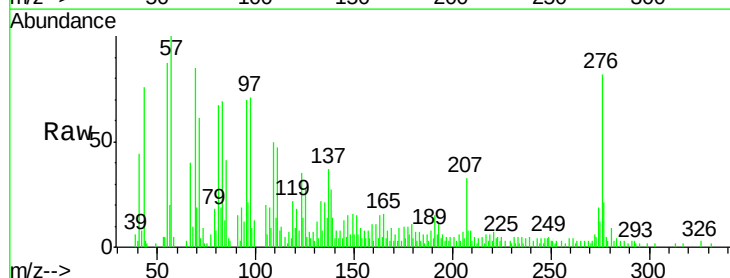
Tgt Ion:276 Resp: 21094

Ion Ratio Lower Upper

276 100

277 25.1 19.0 28.4

138 32.3 19.9 29.9#



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

