

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051815\
 Data File : BF079333.D
 Acq On : 19 May 2015 5:24
 Operator : TP/IZ
 Sample : G2270-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14

Quant Time: May 19 07:14:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 06:58:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	46929	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	195647	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	97448	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	192307	20.00	ng	0.01
75) Chrysene-d12	16.05	240	203439	20.00	ng	-0.01
86) Perylene-d12	17.78	264	208120	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.74	99	427921	118.75	ng	0.00
23) Nitrobenzene-d5	7.86	82	251990	74.02	ng	0.00
41) 2,4,6-Tribromophenol	11.90	330	140630	133.40	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	526427	75.26	ng	0.00
78) Terphenyl-d14	14.75	244	620665	73.04	ng	0.00

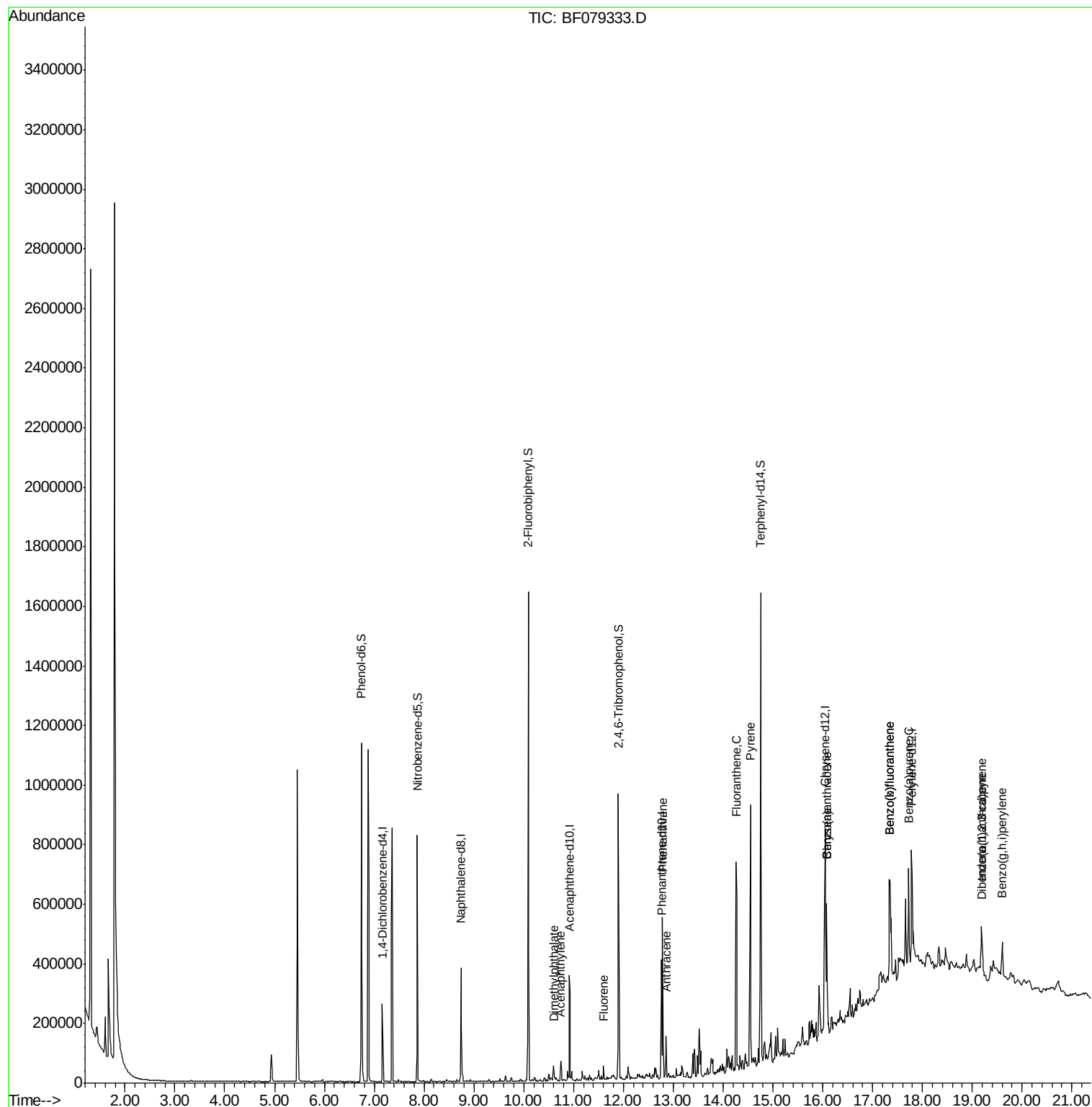
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	10.74	152	30711	3.10	ng	99
49) Dimethylphthalate	10.60	163	28566	3.99	ng	# 97
57) Fluorene	11.60	166	15456	2.20	ng	98
70) Phenanthrene	12.79	178	208946	19.42	ng	100
71) Anthracene	12.86	178	65774	6.23	ng	99
74) Fluoranthene	14.26	202	406938	36.30	ng	99
77) Pyrene	14.55	202	390063	33.27	ng	100
80) Benzo(a)anthracene	16.08	228	186072	16.70	ng	94
82) Chrysene	16.08	228	185560	17.32	ng	97
85) Indeno(1,2,3-cd)pyrene	19.19	276	108842	7.97	ng	93
87) Benzo(b)fluoranthene	17.35	252	320650	28.15	ng	100
88) Benzo(k)fluoranthene	17.35	252	320650	29.08	ng	# 96
89) Benzo(a)pyrene	17.73	252	171992	16.40	ng	99
90) Dibenzo(a,h)anthracene	19.20	278	28008	2.51	ng	# 79
91) Benzo(g,h,i)perylene	19.60	276	105250	9.42	ng	# 93

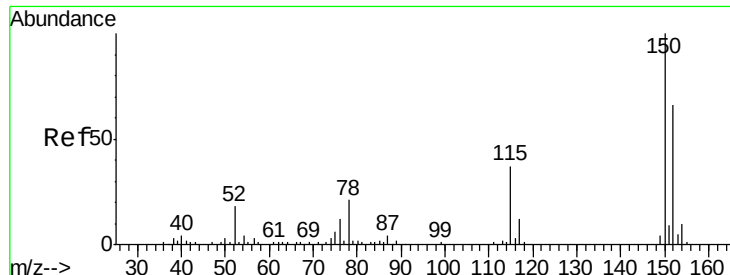
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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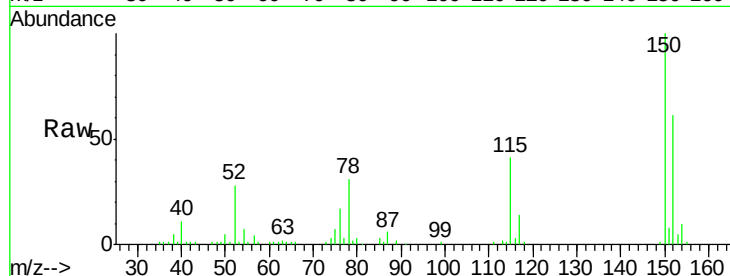




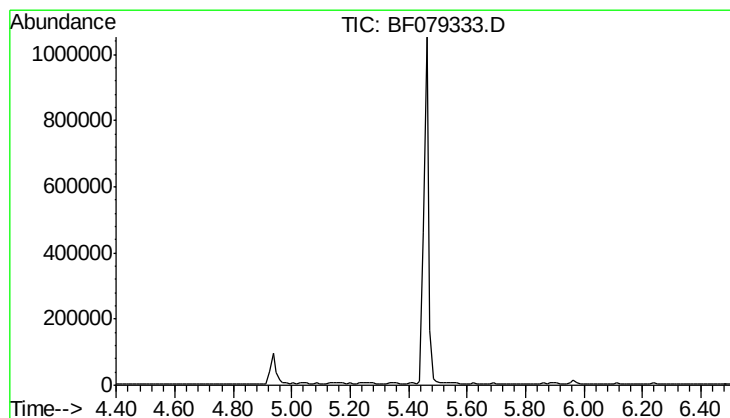
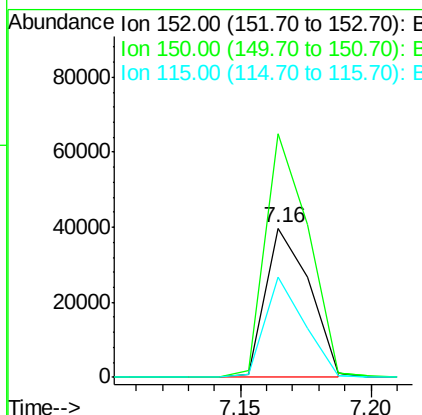
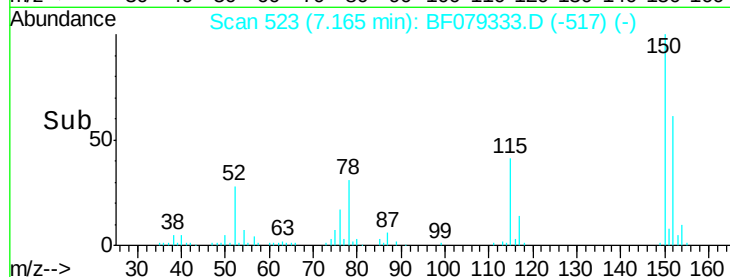
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF079333.D
 Acq: 19 May 2015 5:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-14

Tgt Ion:	152	Resp:	46929
Ion	Ratio	Lower	Upper
152	100		
150	163.0	123.8	185.8
115	66.8	49.4	74.0

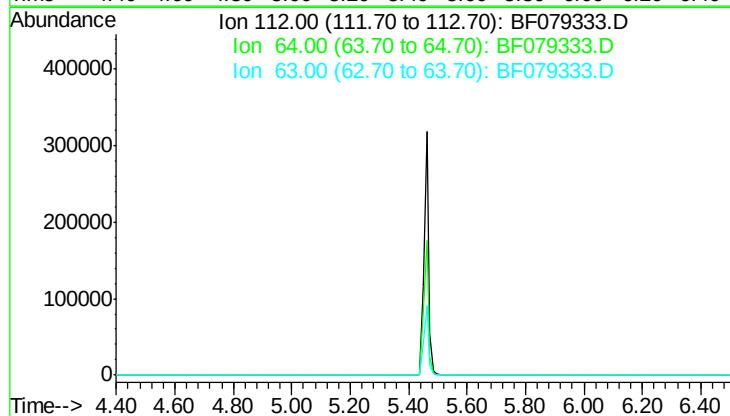


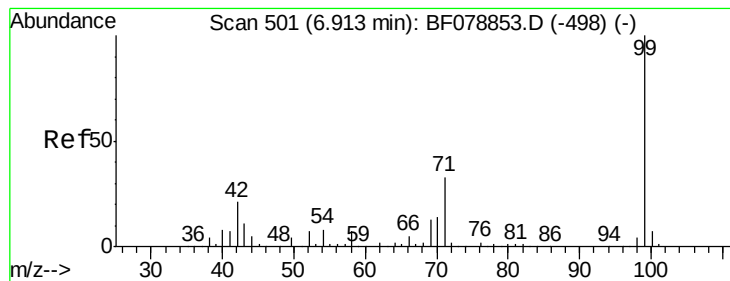
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.45 min
 Lab File: BF079333.D
 Acq: 19 May 2015 5:24

Tgt Ion:	112
Sig	Exp Ratio
112	100
64	55.2
63	28.4





#7

Phenol-d6

Concen: 118.75 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

Instrument :

BNA_F

ClientSampleId :

SB-14

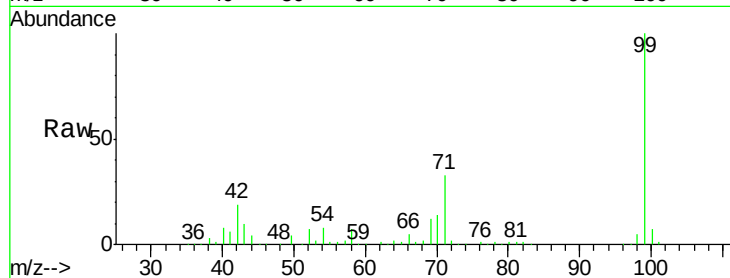
Tgt Ion: 99 Resp: 427921

Ion Ratio Lower Upper

99 100

42 19.0 17.1 25.7

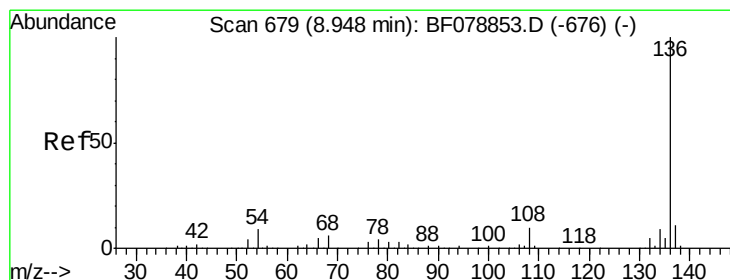
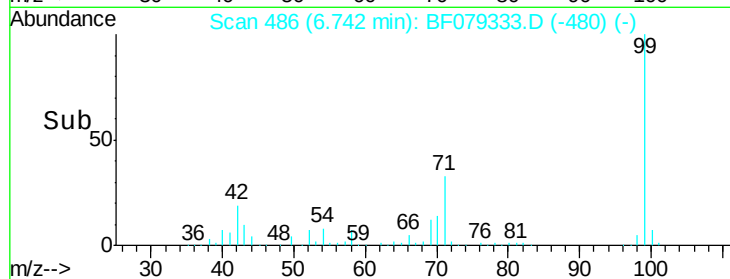
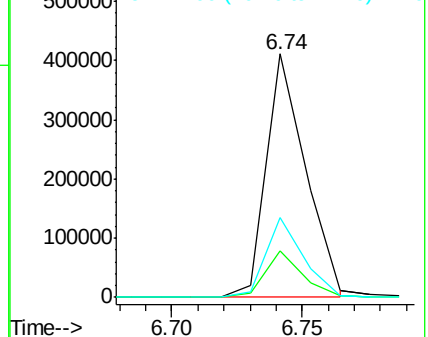
71 32.8 26.3 39.5



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: 8.74 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

Tgt Ion: 136 Resp: 195647

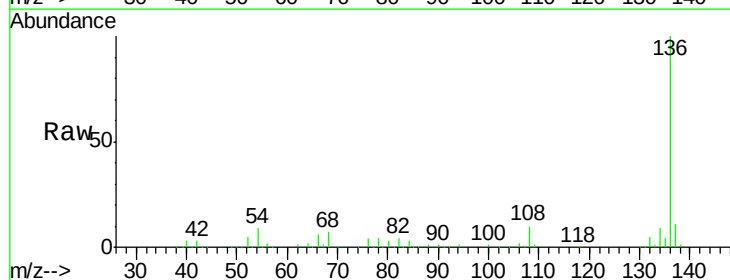
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.2 6.9 10.3

68 6.9 4.9 7.3

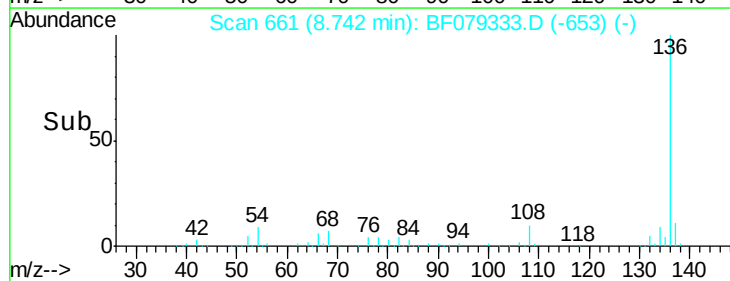
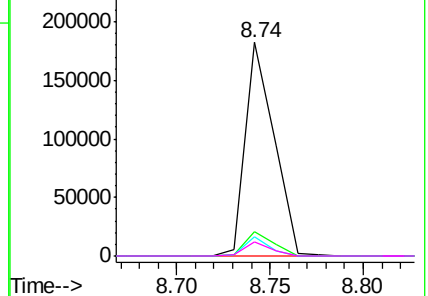


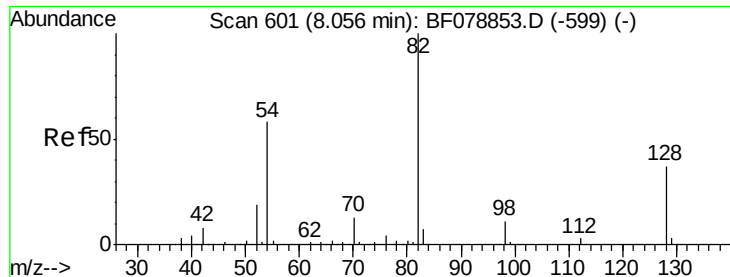
Abundance Ion 136.00 (135.70 to 136.70): E

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

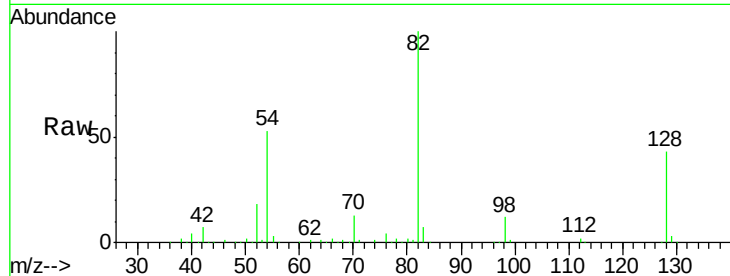




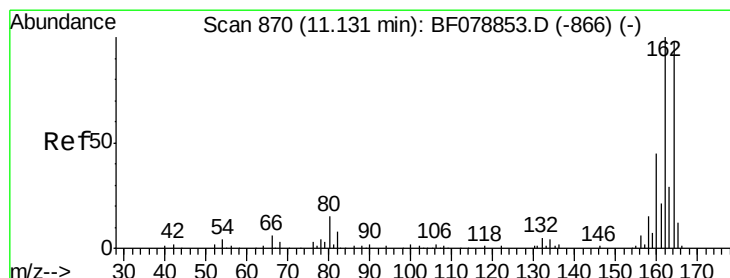
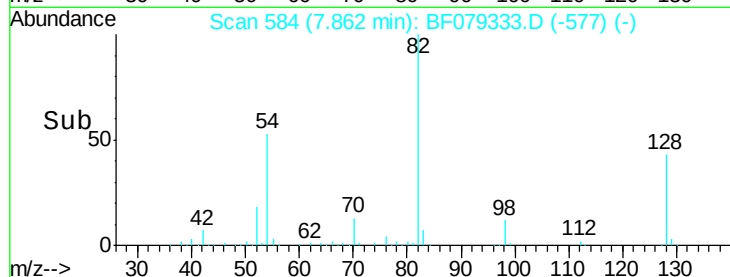
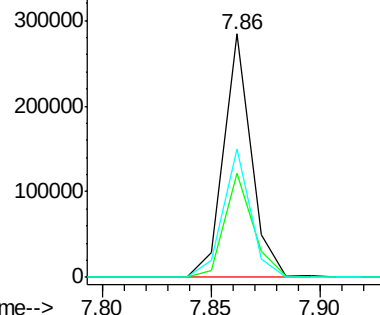
#23
 Nitrobenzene-d5
 Concen: 74.02 ng
 RT: 7.86 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: BF079333.D
 Acq: 19 May 2015 5:24

Instrument :
 BNA_F
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 SB-14

Tgt Ion: 82 Resp: 251990
 Ion Ratio Lower Upper
 82 100
 128 42.5 29.7 44.5
 54 52.8 46.2 69.4

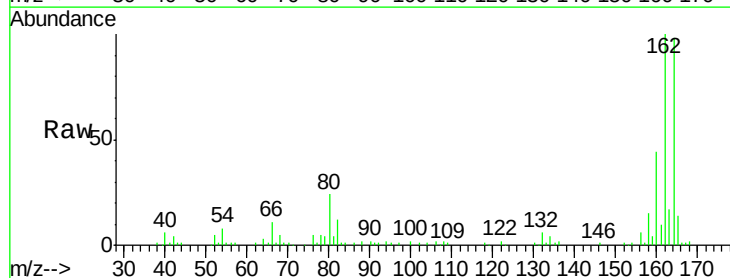


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

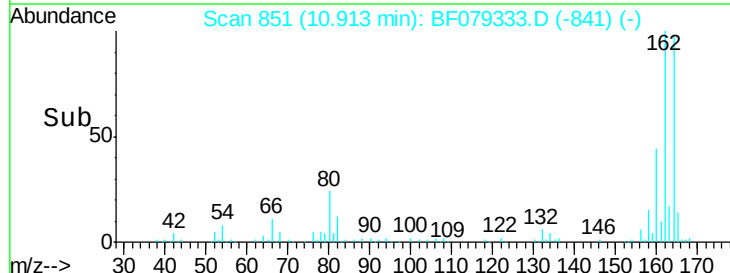
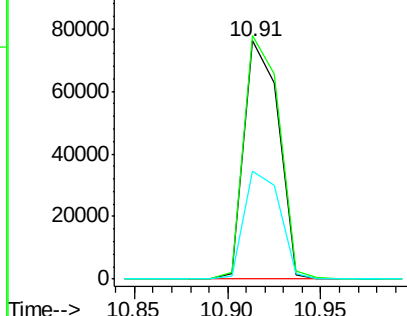


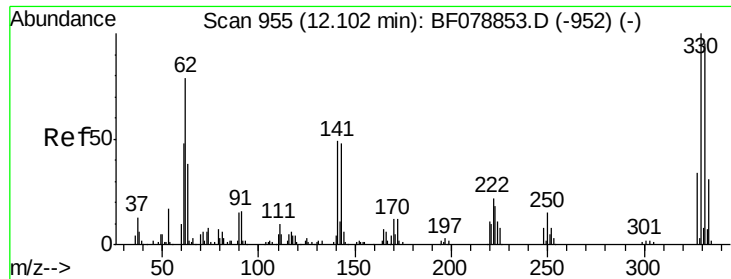
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: BF079333.D
 Acq: 19 May 2015 5:24

Tgt Ion: 164 Resp: 97448
 Ion Ratio Lower Upper
 164 100
 162 102.2 81.4 122.0
 160 45.1 36.6 54.8



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

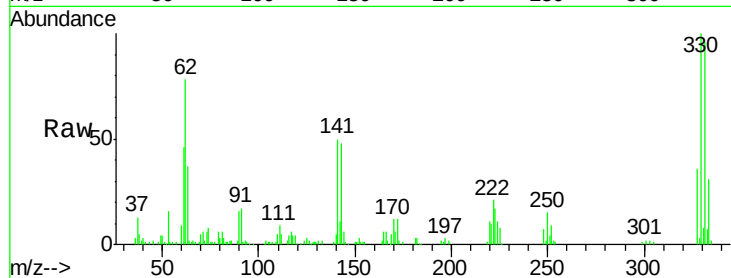




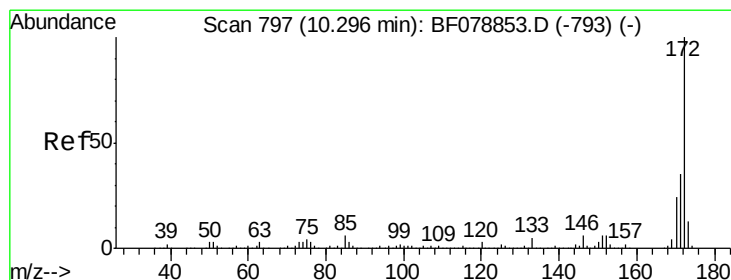
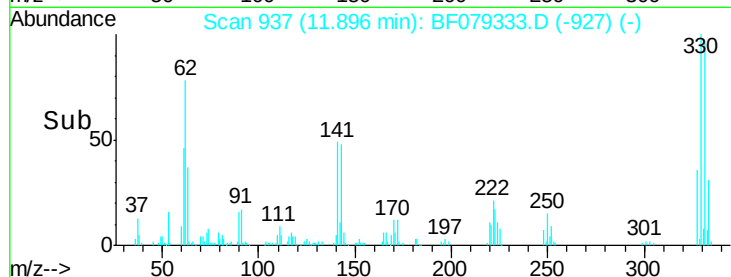
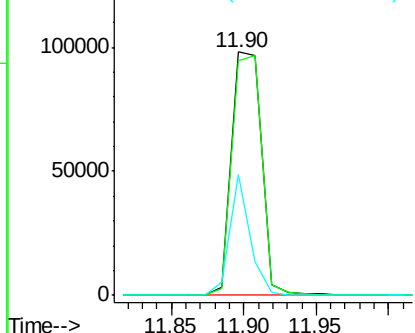
#41
 2,4,6-Tribromophenol
 Concen: 133.40 ng
 RT: 11.90 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BF079333.D
 Acq: 19 May 2015 5:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-14

Tgt Ion:330 Resp: 140630
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.9 115.3
 141 34.1 27.8 41.8

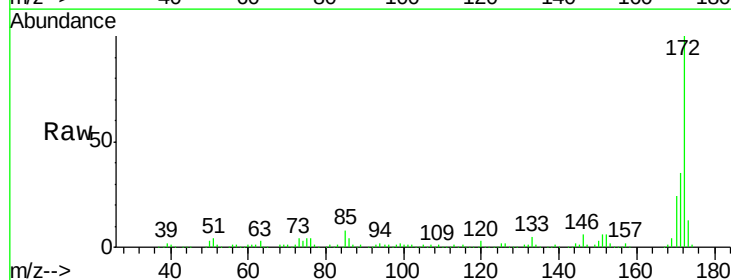


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

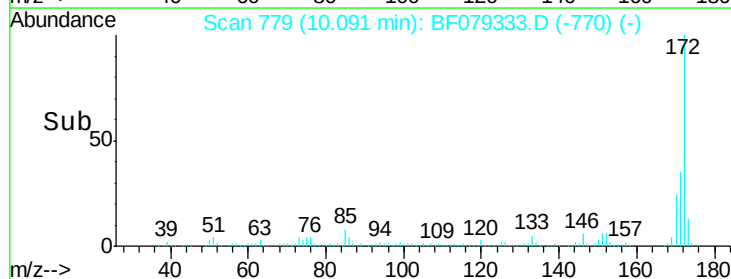
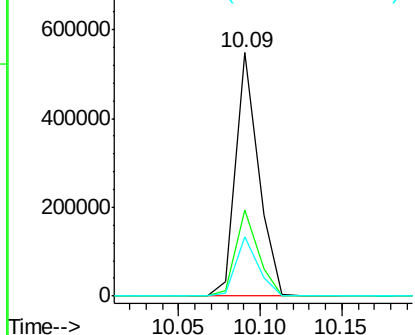


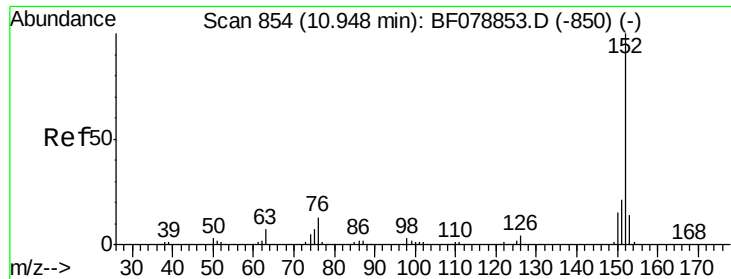
#44
 2-Fluorobiphenyl
 Concen: 75.26 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF079333.D
 Acq: 19 May 2015 5:24

Tgt Ion:172 Resp: 526427
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.3 42.5
 170 24.2 19.4 29.2



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





#48

Acenaphthylene

Concen: 3.10 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

Instrument :

BNA_F

ClientSampleId :

SB-14

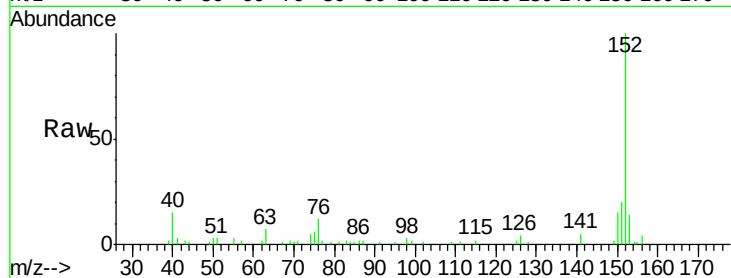
Tgt Ion:152 Resp: 30711

Ion Ratio Lower Upper

152 100

151 19.9 16.6 24.8

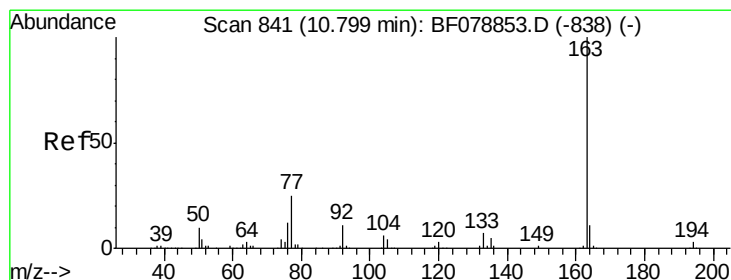
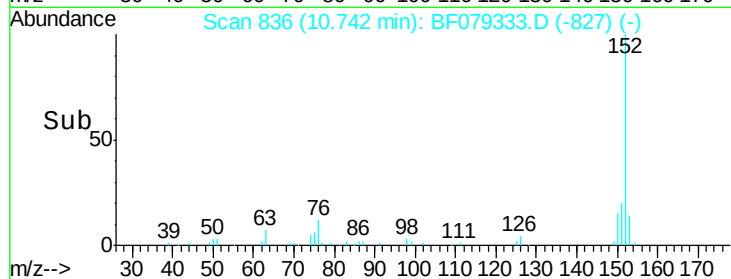
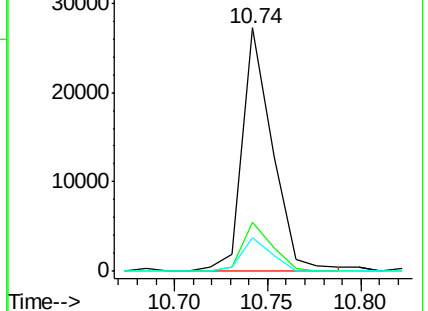
153 13.8 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.99 ng

RT: 10.60 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

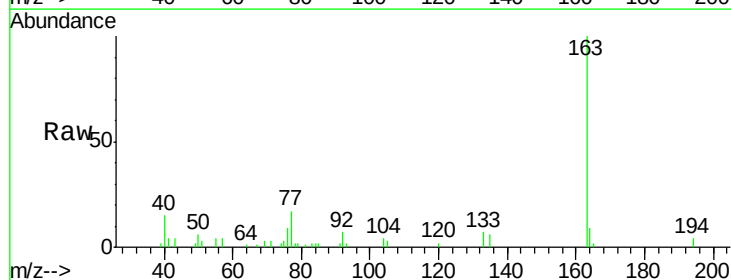
Tgt Ion:163 Resp: 28566

Ion Ratio Lower Upper

163 100

194 3.9 2.4 3.6#

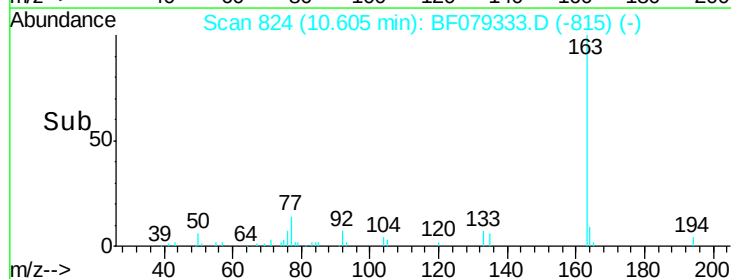
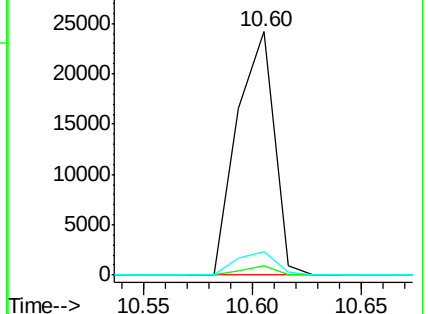
164 9.4 8.6 12.8

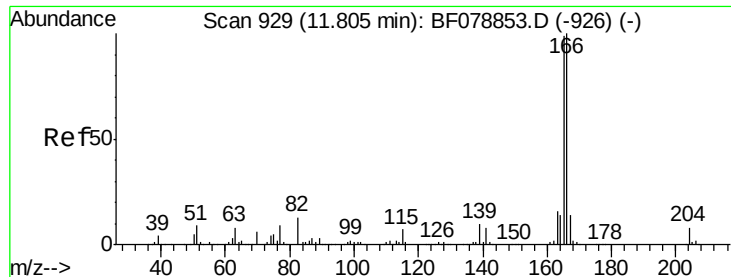


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

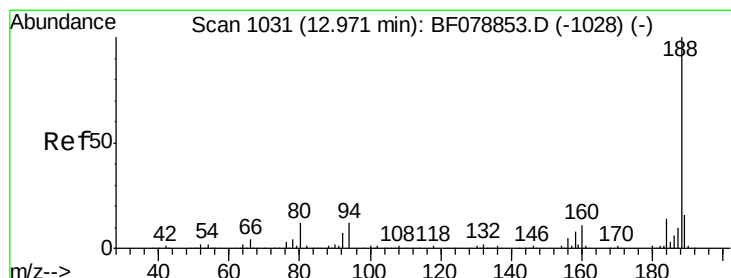
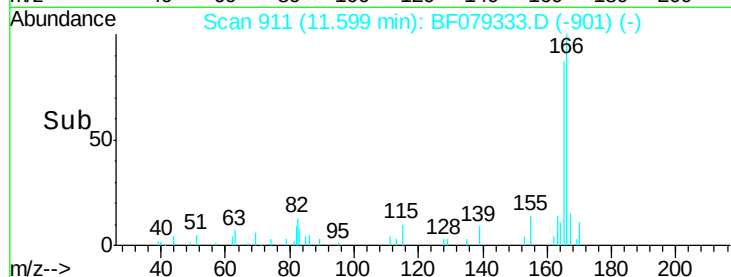
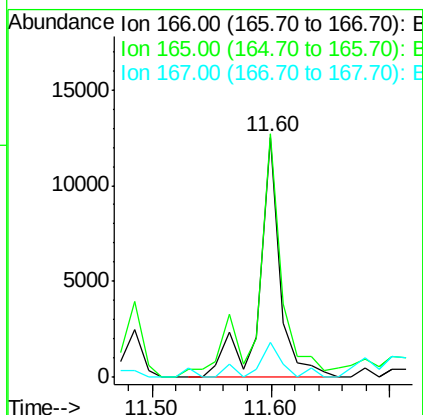
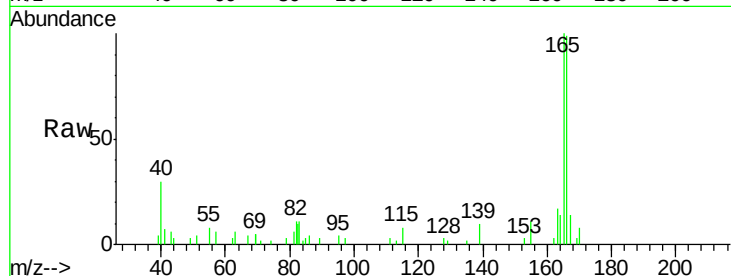




#57
Fluorene
Concen: 2.20 ng
RT: 11.60 min Scan# 911
Delta R.T. -0.00 min
Lab File: BF079333.D
Acq: 19 May 2015 5:24

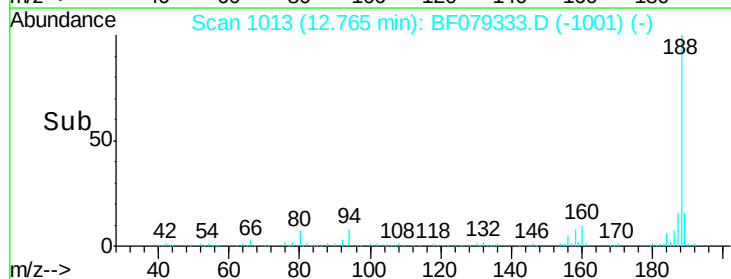
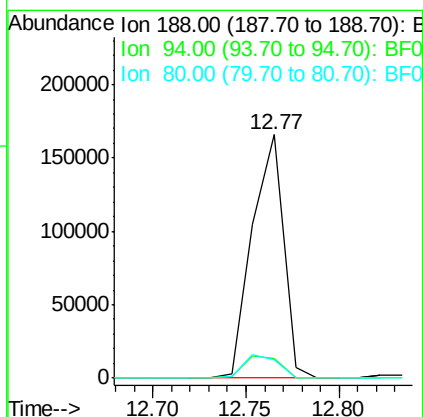
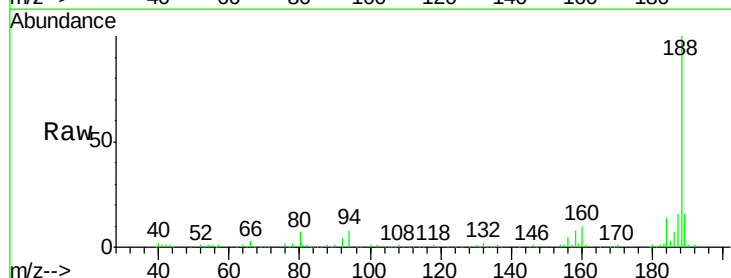
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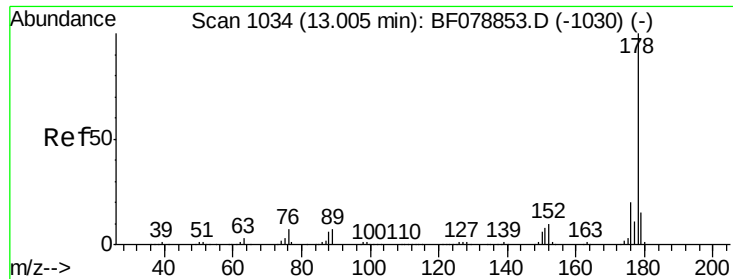
Tgt Ion:166 Resp: 15456
Ion Ratio Lower Upper
166 100
165 101.4 79.5 119.3
167 14.5 11.0 16.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 1013
Delta R.T. 0.01 min
Lab File: BF079333.D
Acq: 19 May 2015 5:24

Tgt Ion:188 Resp: 192307
Ion Ratio Lower Upper
188 100
94 7.9 9.4 14.0#
80 7.4 9.8 14.6#

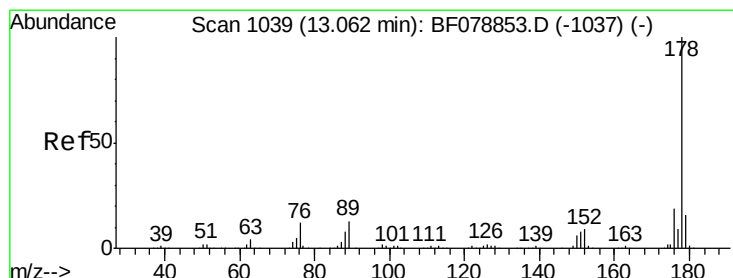
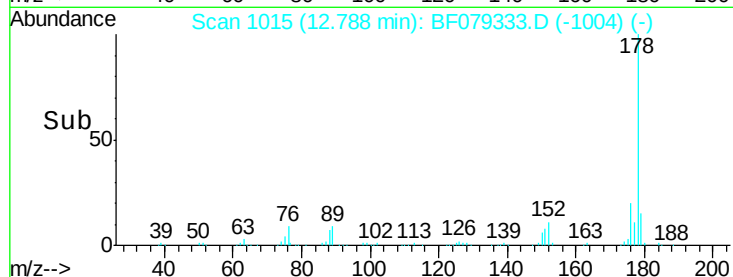
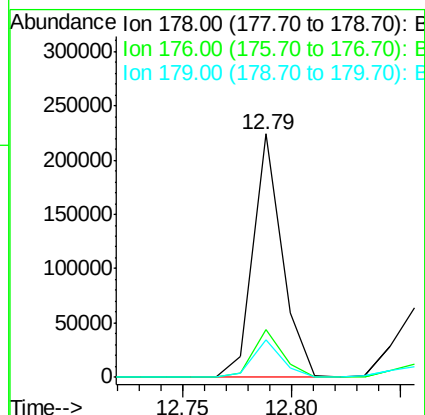
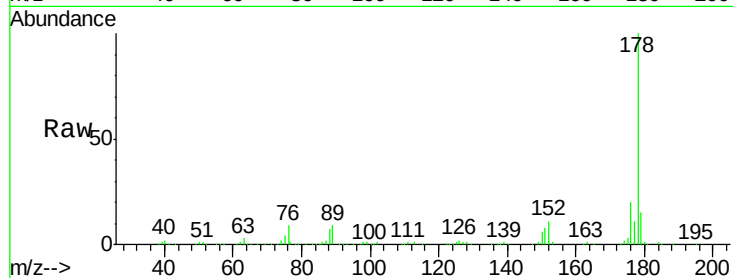




#70
Phenanthrene
Concen: 19.42 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF079333.D
Acq: 19 May 2015 5:24

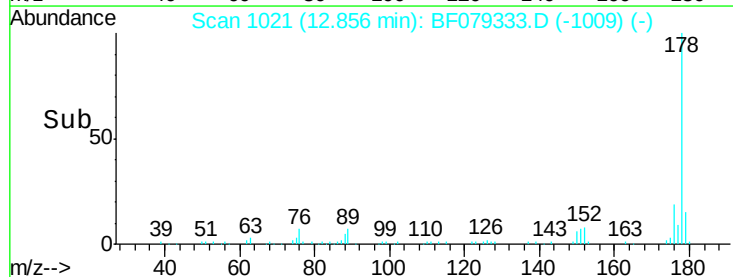
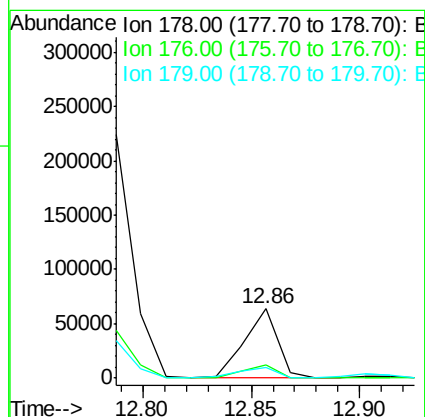
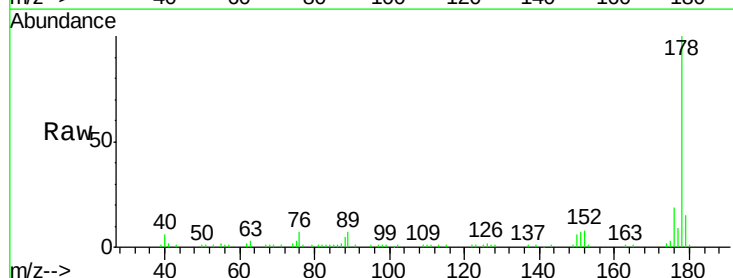
Instrument :
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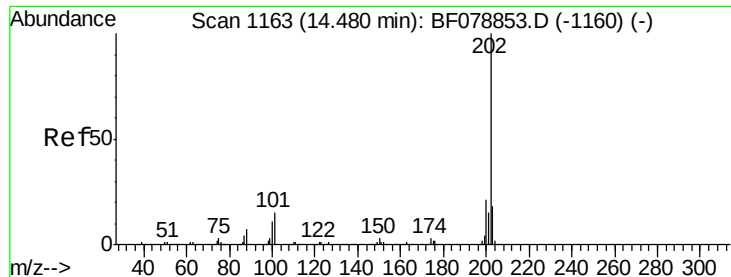
Tgt Ion:178 Resp: 208946
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.2 12.2 18.4



#71
Anthracene
Concen: 6.23 ng
RT: 12.86 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF079333.D
Acq: 19 May 2015 5:24

Tgt Ion:178 Resp: 65774
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.2 12.6 19.0





#74

Fluoranthene

Concen: 36.30 ng

RT: 14.26 min Scan# 1144

Delta R.T. -0.00 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

Instrument :

BNA_F

ClientSampleId :

SB-14

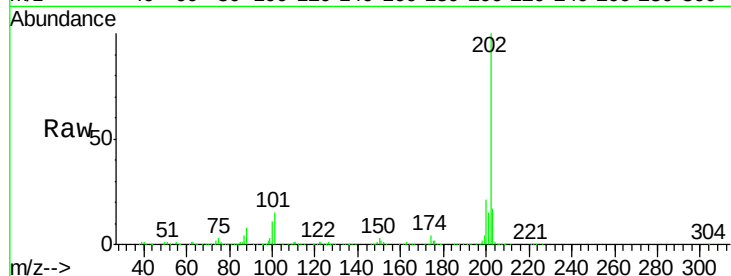
Tgt Ion:202 Resp: 406938

Ion Ratio Lower Upper

202 100

101 15.3 0.0 34.7

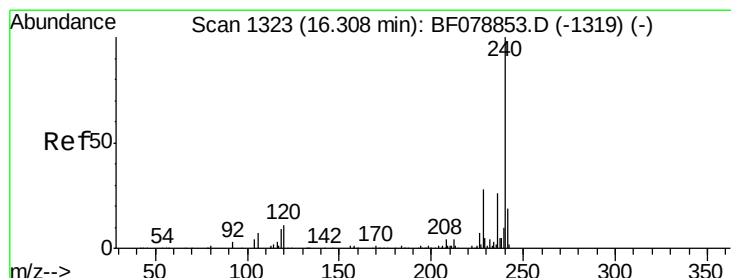
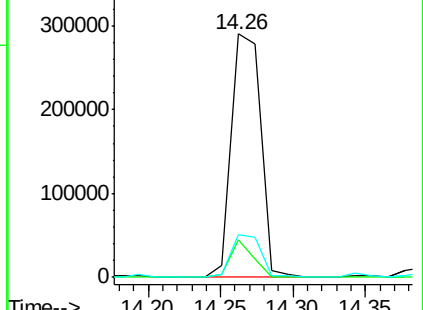
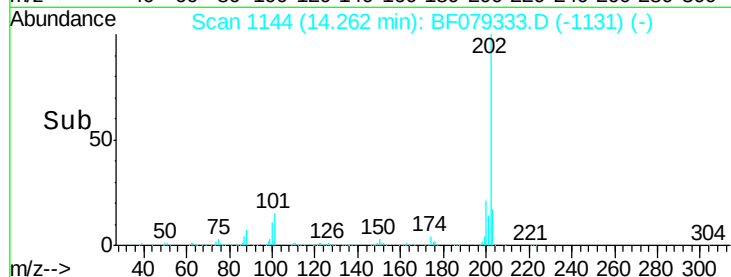
203 17.3 0.0 37.9



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: 16.05 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

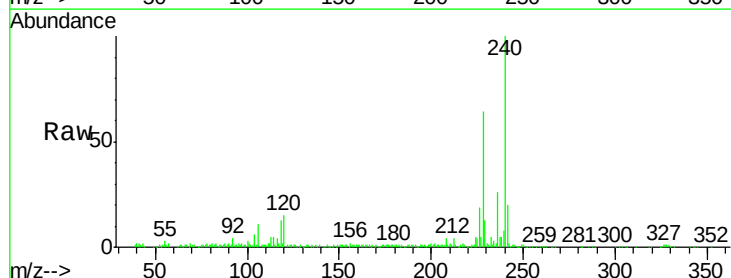
Tgt Ion:240 Resp: 203439

Ion Ratio Lower Upper

240 100

120 15.2 8.6 12.8#

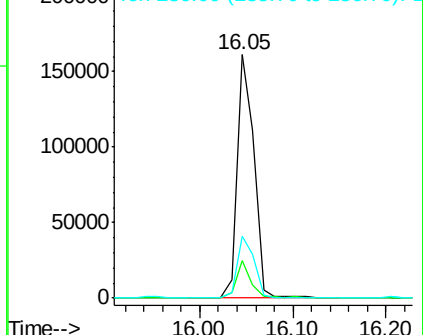
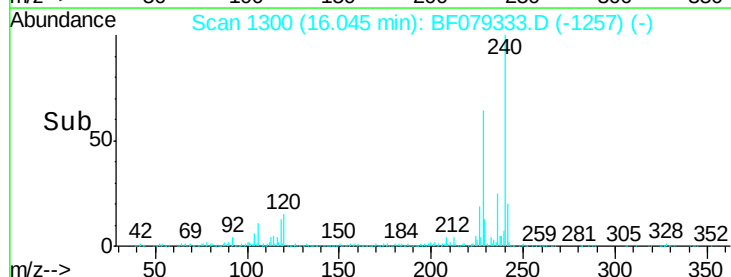
236 25.5 21.0 31.6

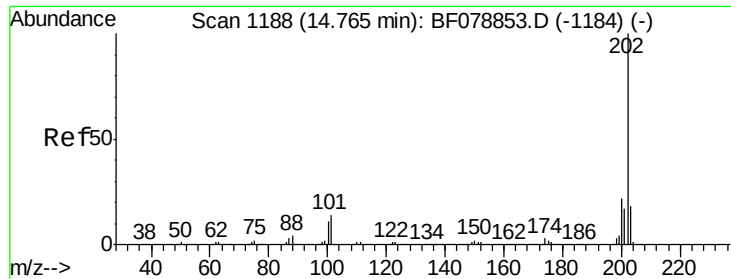


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

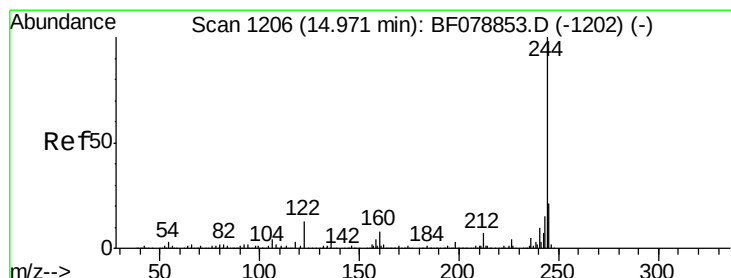
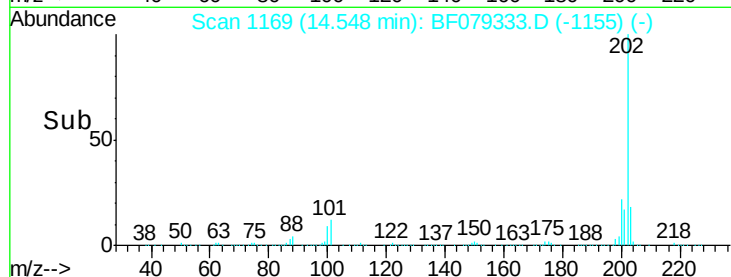
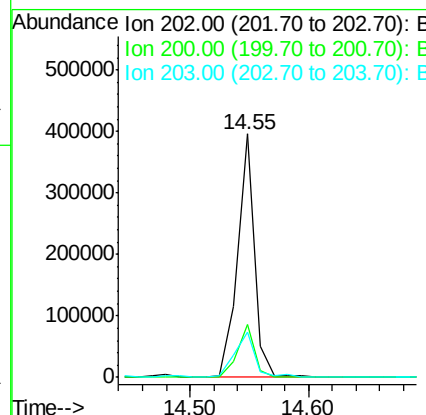
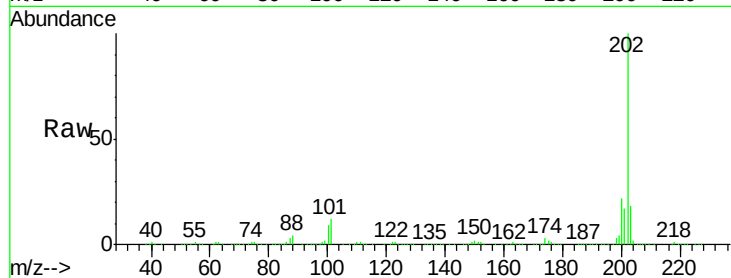




#77
 Pyrene
 Concen: 33.27 ng
 RT: 14.55 min Scan# 1169
 Delta R.T. 0.01 min
 Lab File: BF079333.D
 Acq: 19 May 2015 5:24

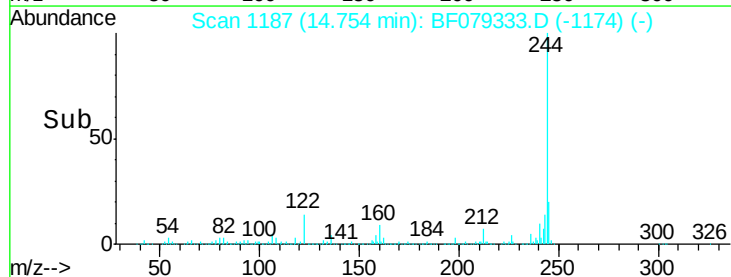
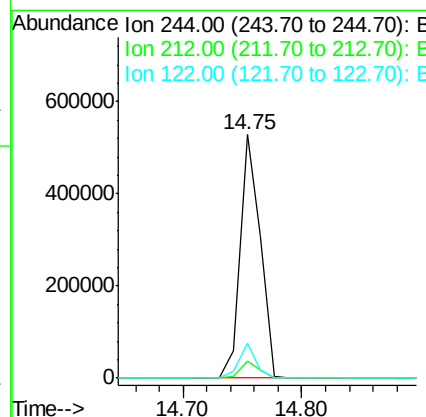
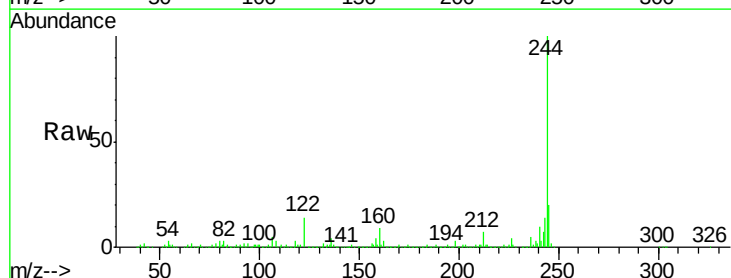
Instrument :
 BNA_F
 ClientSampled :
 SB-14

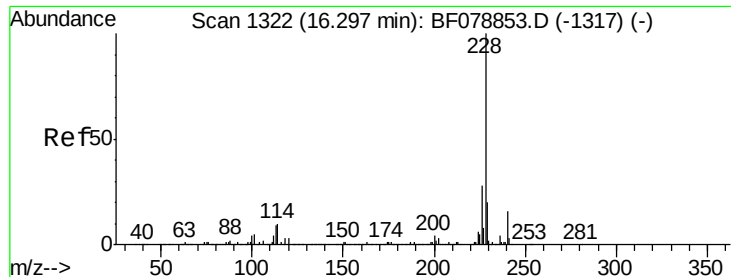
Tgt Ion: 202 Resp: 390063
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.5 26.3
 203 18.4 14.7 22.1



#78
 Terphenyl-d14
 Concen: 73.04 ng
 RT: 14.75 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BF079333.D
 Acq: 19 May 2015 5:24

Tgt Ion: 244 Resp: 620665
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 14.4 10.5 15.7





#80

Benzo(a)anthracene

Concen: 16.70 ng

RT: 16.08 min Scan# 1303

Delta R.T. 0.03 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

Instrument :

BNA_F

ClientSampleId :

SB-14

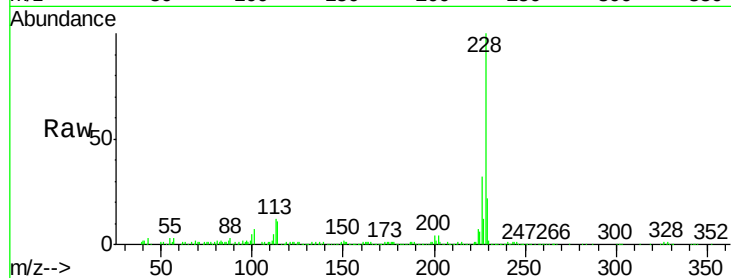
Tgt Ion:228 Resp: 186072

Ion Ratio Lower Upper

228 100

226 31.7 22.3 33.5

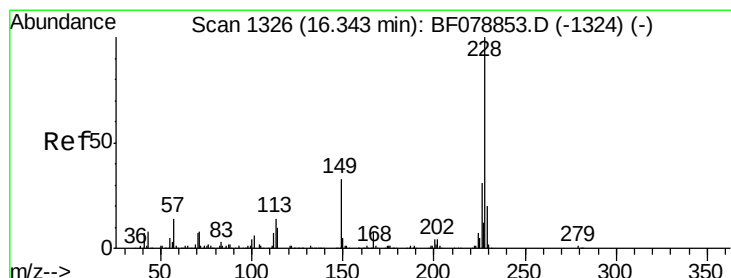
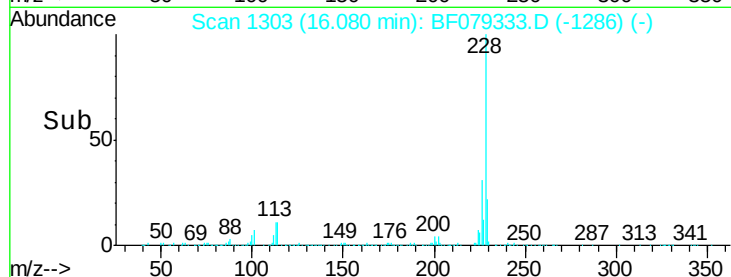
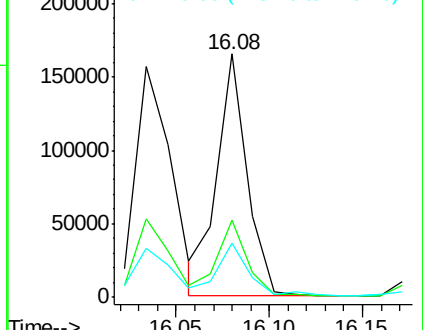
229 22.3 16.1 24.1



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: 17.32 ng

RT: 16.08 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

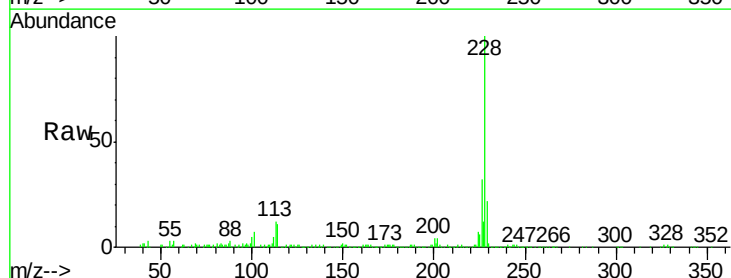
Tgt Ion:228 Resp: 185560

Ion Ratio Lower Upper

228 100

226 31.7 24.8 37.2

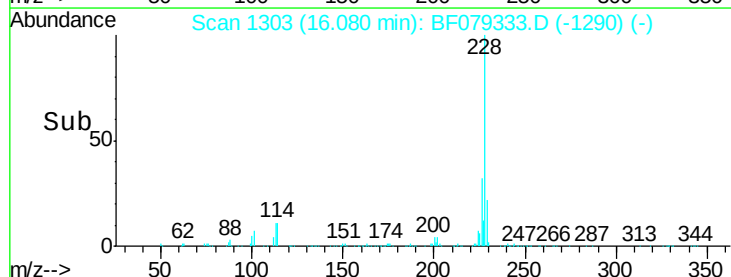
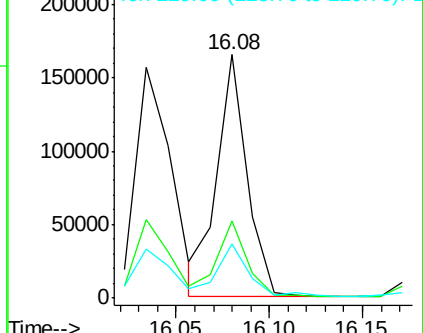
229 22.3 16.1 24.1

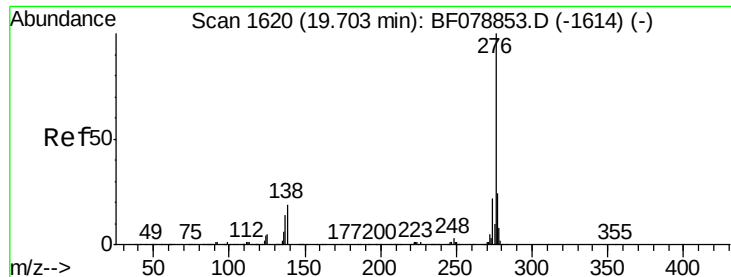


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

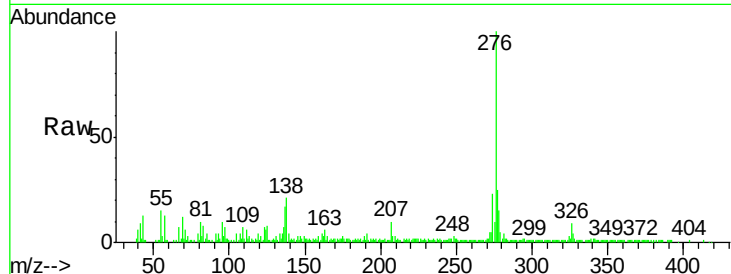




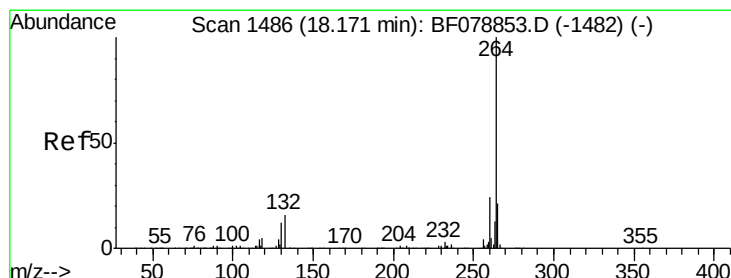
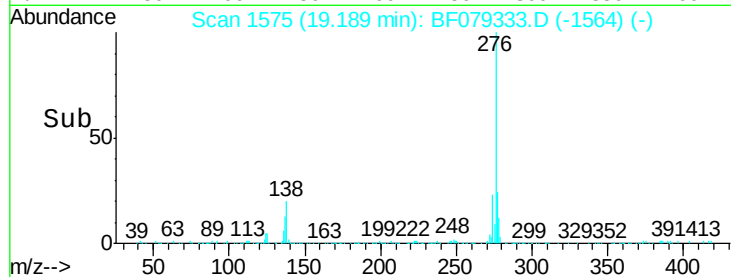
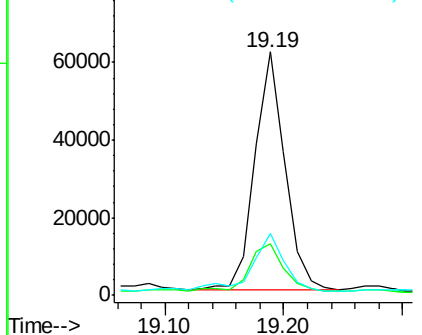
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.97 ng
 RT: 19.19 min Scan# 1575
 Delta R.T. -0.08 min
 Lab File: BF079333.D
 Acq: 19 May 2015 5:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-14

Tgt Ion:	276	Resp:	108842
Ion	Ratio	Lower	Upper
276	100		
138	22.6	21.1	31.7
277	28.6	19.9	29.9

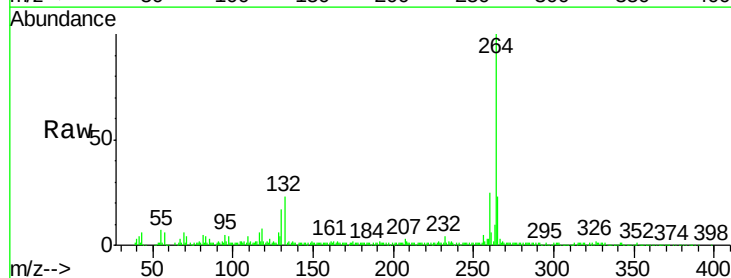


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

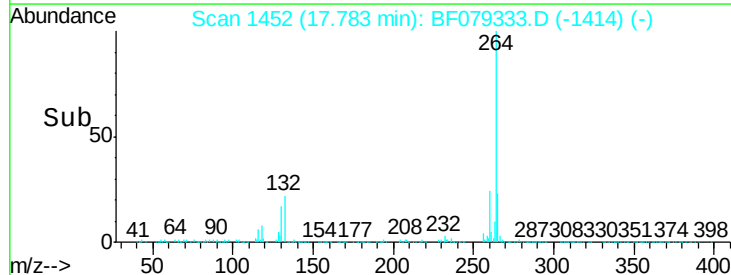
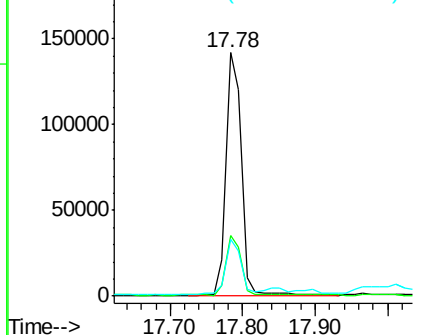


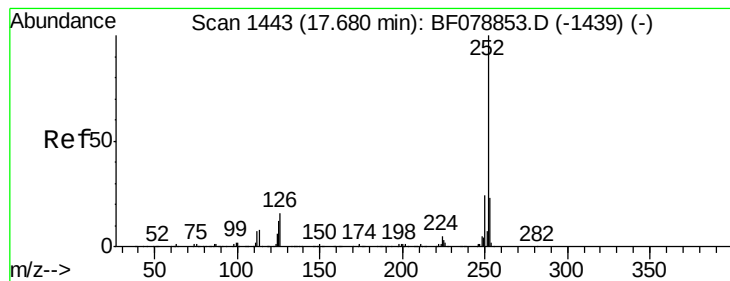
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.78 min Scan# 1452
 Delta R.T. -0.07 min
 Lab File: BF079333.D
 Acq: 19 May 2015 5:24

Tgt Ion:	264	Resp:	208120
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	23.3	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: 28.15 ng

RT: 17.35 min Scan# 1414

Delta R.T. -0.05 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

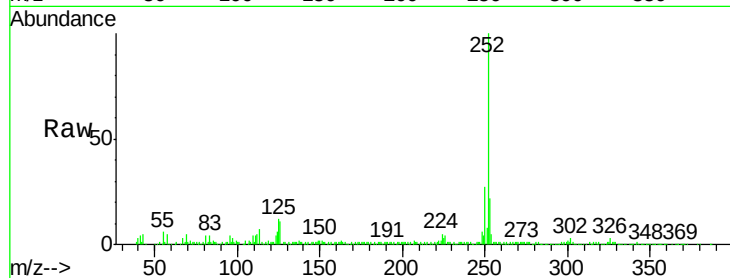
Instrument :

BNA_F

ClientSampleId :

SB-14

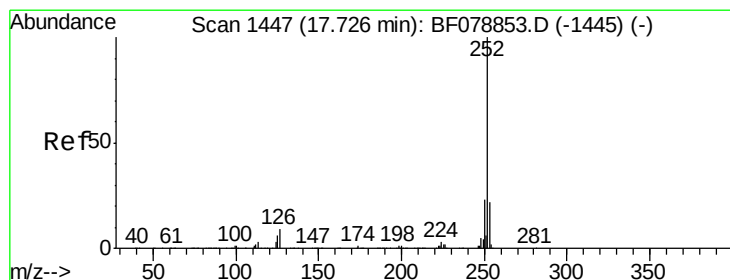
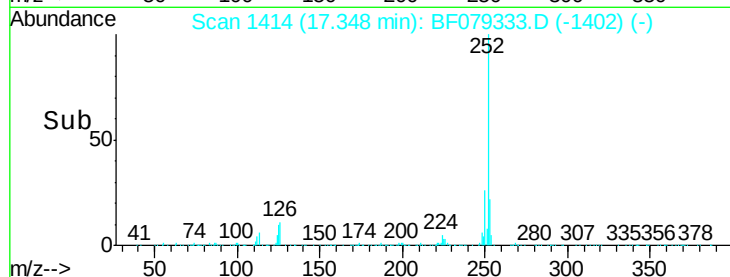
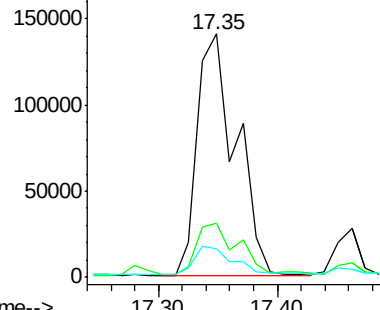
Tgt Ion:	252	Resp:	320650
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	11.6	9.4	14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 29.08 ng

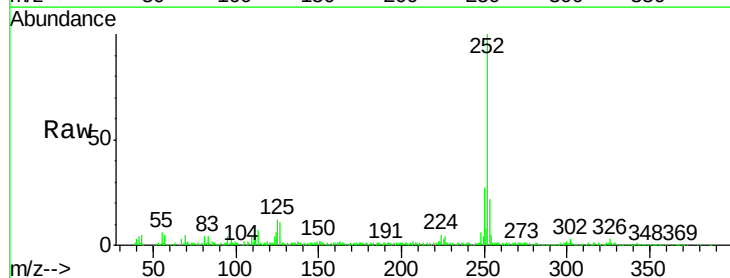
RT: 17.35 min Scan# 1414

Delta R.T. -0.08 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

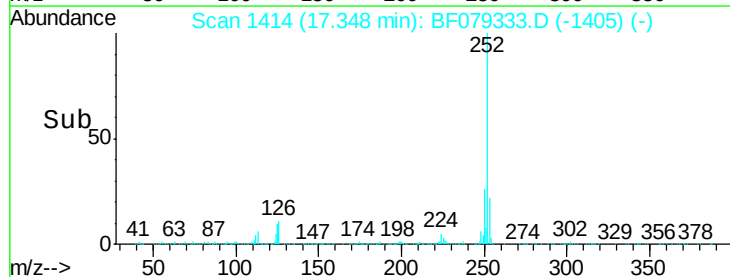
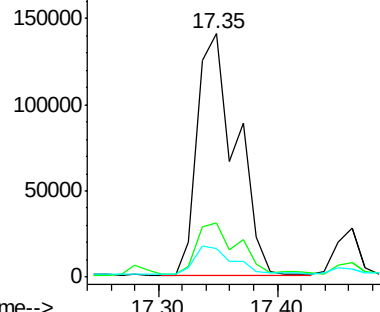
Tgt Ion:	252	Resp:	320650
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.0
125	11.6	6.1	9.1#

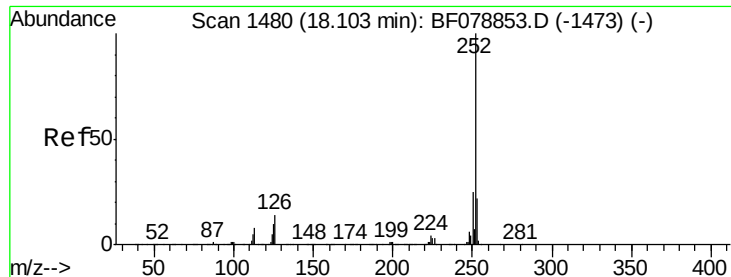


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 16.40 ng

RT: 17.73 min Scan# 1447

Delta R.T. -0.07 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

Instrument :

BNA_F

ClientSampleId :

SB-14

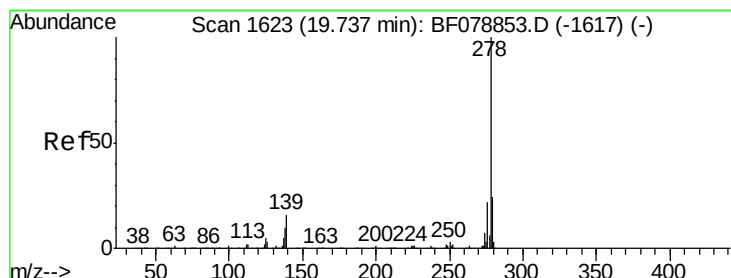
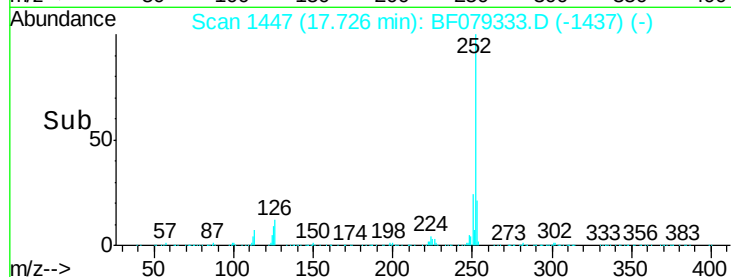
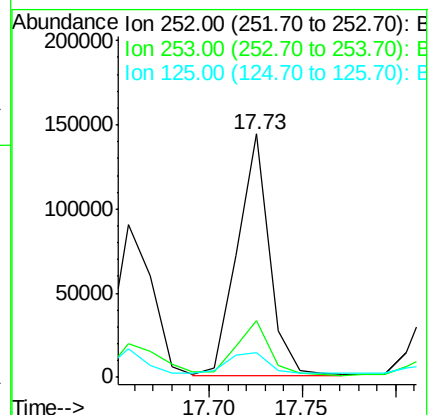
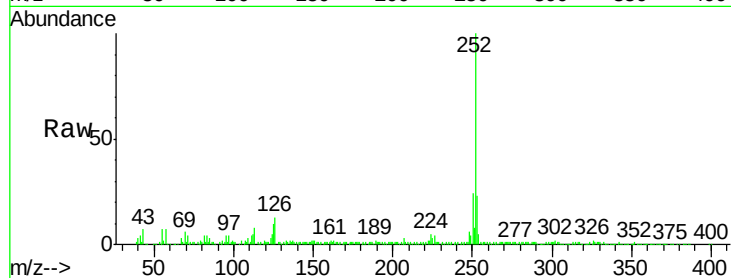
Tgt Ion: 252 Resp: 171992

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 10.2 8.2 12.2



#90

Dibenzo(a,h)anthracene

Concen: 2.51 ng

RT: 19.20 min Scan# 1576

Delta R.T. -0.10 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

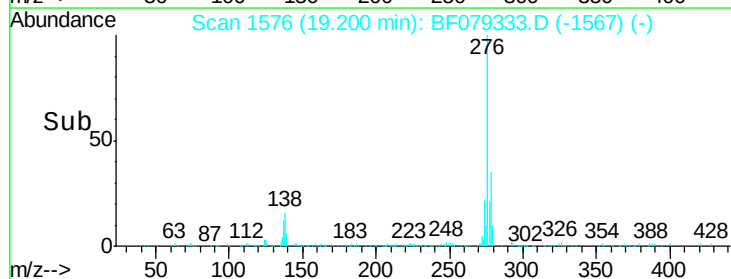
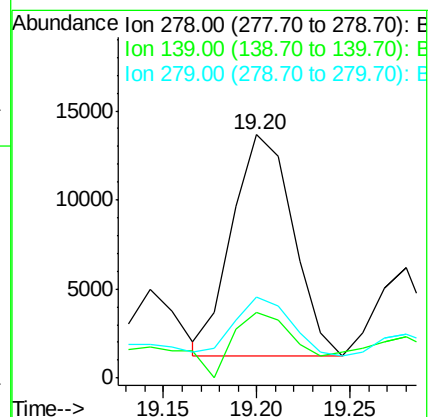
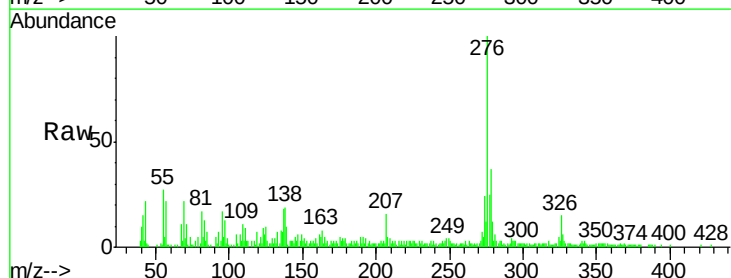
Tgt Ion: 278 Resp: 28008

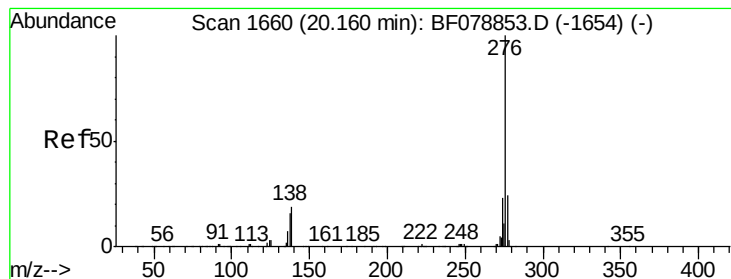
Ion Ratio Lower Upper

278 100

139 27.0 13.1 19.7#

279 33.3 19.1 28.7#





#91

Benzo(g,h,i)perylene

Concen: 9.42 ng

RT: 19.60 min Scan# 1611

Delta R.T. -0.09 min

Lab File: BF079333.D

Acq: 19 May 2015 5:24

Instrument :

BNA_F

ClientSampleId :

SB-14

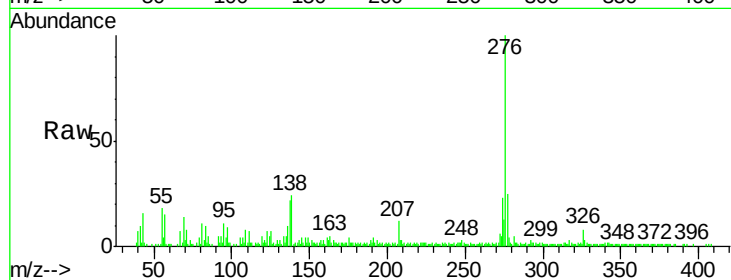
Tgt Ion: 276 Resp: 105250

Ion Ratio Lower Upper

276 100

277 25.0 18.8 28.2

138 24.4 15.2 22.8#



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

