

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
 Data File : BF079170.D
 Acq On : 12 May 2015 21:11
 Operator : TP/IZ
 Sample : G2155-08 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-43AS

Quant Time: May 13 01:17:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 00:53:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	49960	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	208521	20.00	ng	0.00
38) Acenaphthene-d10	11.03	164	102613	20.00	ng	-0.01
63) Phenanthrene-d10	12.88	188	203390	20.00	ng	0.00
75) Chrysene-d12	16.17	240	216251	20.00	ng	-0.02
86) Perylene-d12	17.90	264	223093	20.00	ng	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	207891	71.63	ng	0.01
7) Phenol-d6	6.84	99	278139	72.50	ng	0.00
23) Nitrobenzene-d5	7.98	82	150087	41.37	ng	0.00
41) 2,4,6-Tribromophenol	12.01	330	76754	69.14	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	320945	43.58	ng	0.00
78) Terphenyl-d14	14.87	244	376544	41.69	ng	-0.01

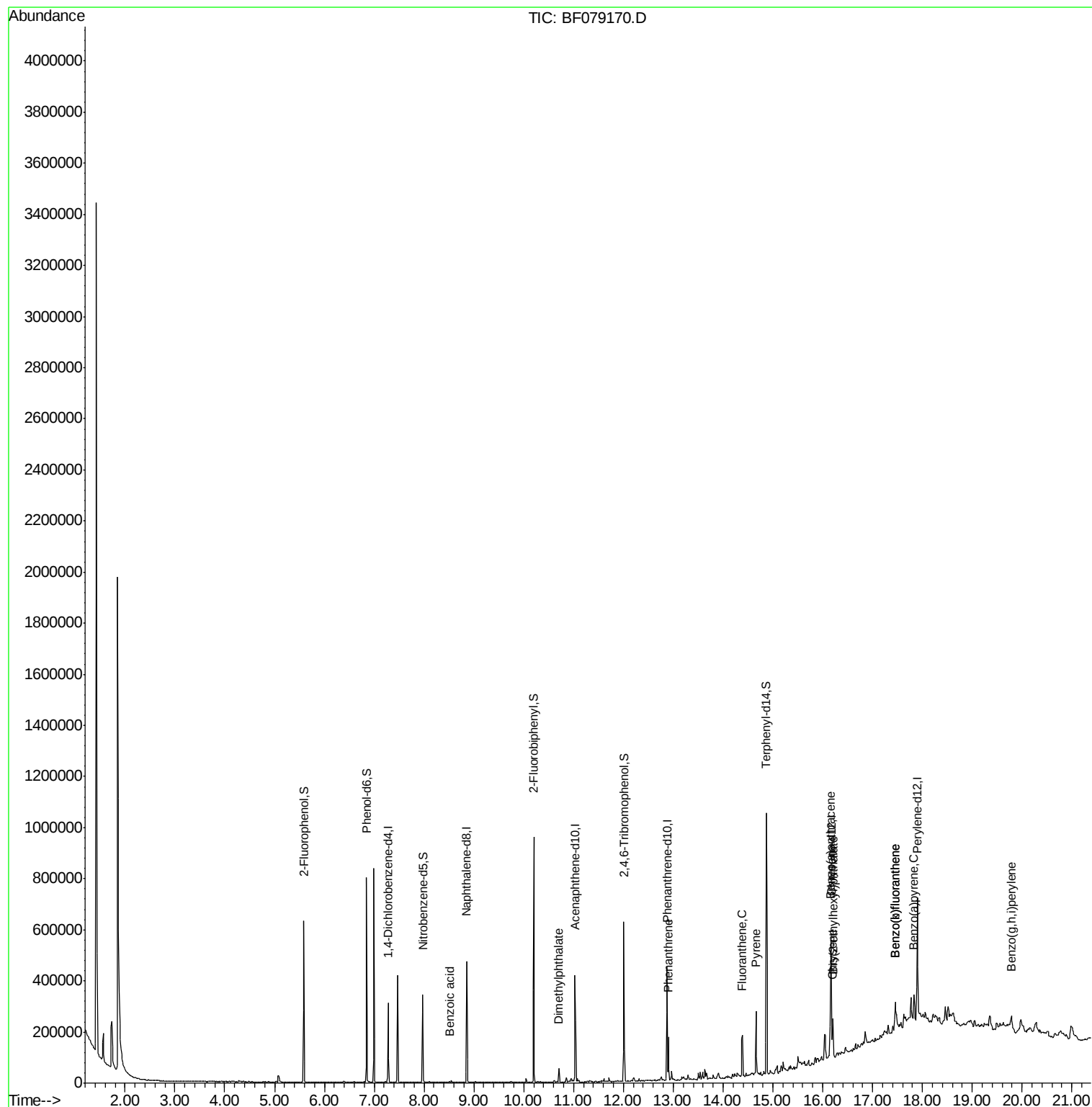
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	8.51	122	1508	7.01	ng	93
49) Dimethylphthalate	10.71	163	22366	2.97	ng	99
70) Phenanthrene	12.90	178	66282	5.83	ng	97
74) Fluoranthene	14.39	202	97097	8.19	ng	91
77) Pyrene	14.66	202	106390	8.54	ng	97
80) Benzo(a)anthracene	16.16	228	52140	4.40	ng	96
82) Chrysene	16.19	228	50503	4.43	ng	97
83) Bis(2-ethylhexyl)phthalate	16.21	149	28196	3.42	ng	99
87) Benzo(b)fluoranthene	17.45	252	69751	5.71	ng	96
88) Benzo(k)fluoranthene	17.45	252	87087	7.37	ng	97
89) Benzo(a)pyrene	17.83	252	48689	4.33	ng	# 88
91) Benzo(g,h,i)perylene	19.78	276	37260	3.11	ng	93

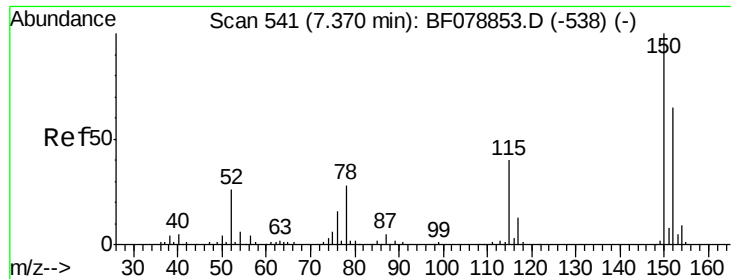
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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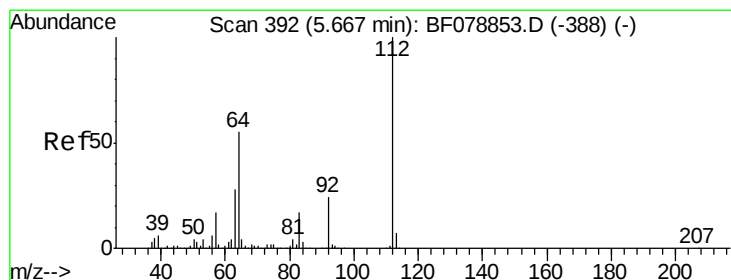
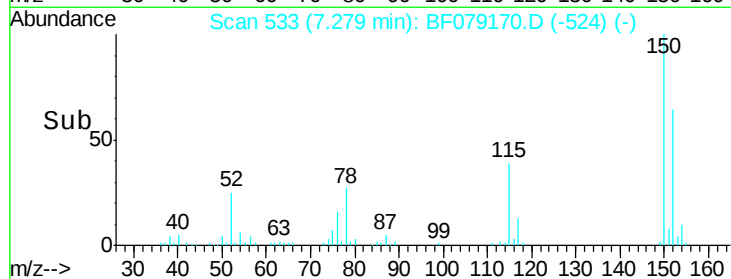
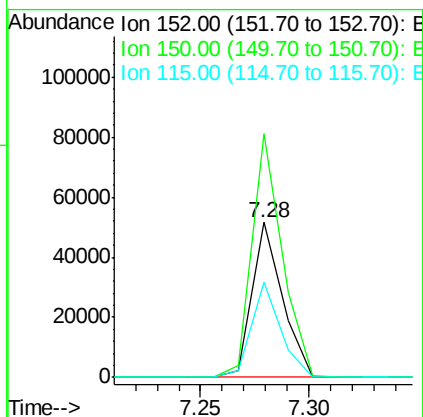
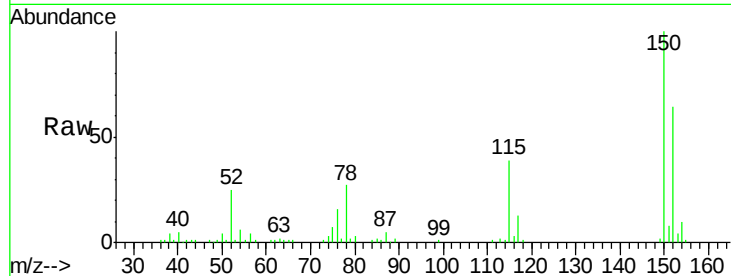


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF079170.D
Acq: 12 May 2015 21:11

Instrument :
BNA_F
ClientSampleId :
SB-43AS

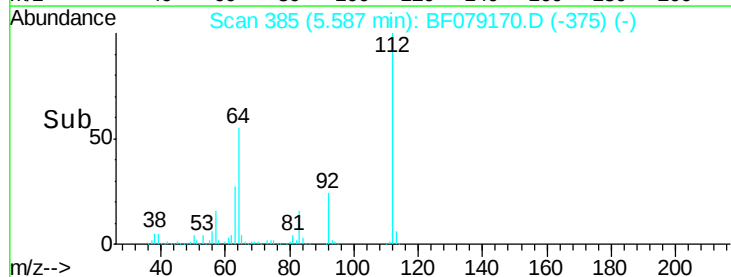
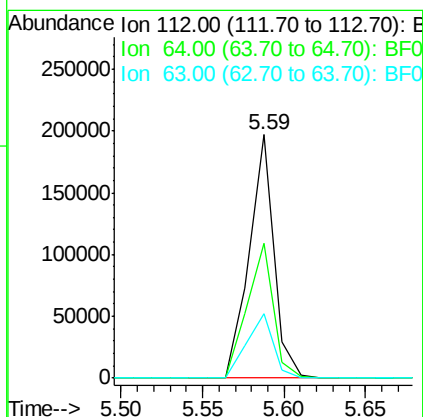
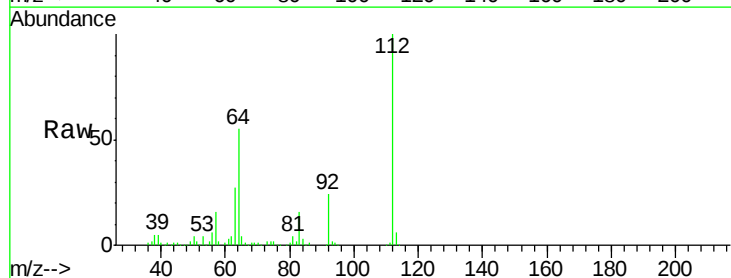
Tgt Ion:152 Resp: 49960
Ion Ratio Lower Upper
152 100
150 157.3 122.0 183.0
115 61.4 46.3 69.5

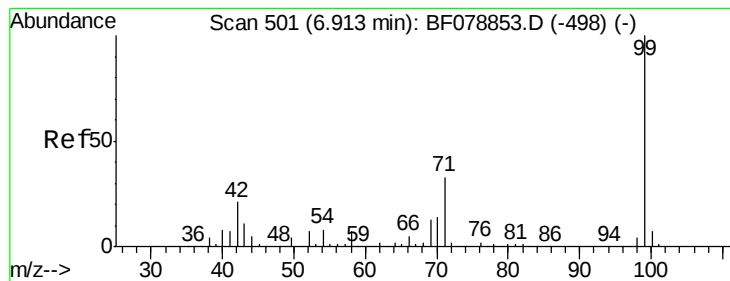


#5

2-Fluorophenol
Concen: 71.63 ng
RT: 5.59 min Scan# 385
Delta R.T. 0.01 min
Lab File: BF079170.D
Acq: 12 May 2015 21:11

Tgt Ion:112 Resp: 207891
Ion Ratio Lower Upper
112 100
64 55.3 53.5 80.3
63 26.6 27.5 41.3#





#7

Phenol-d6

Concen: 72.50 ng

RT: 6.84 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF079170.D

Acq: 12 May 2015 21:11

Instrument :

BNA_F

ClientSampleId :

SB-43AS

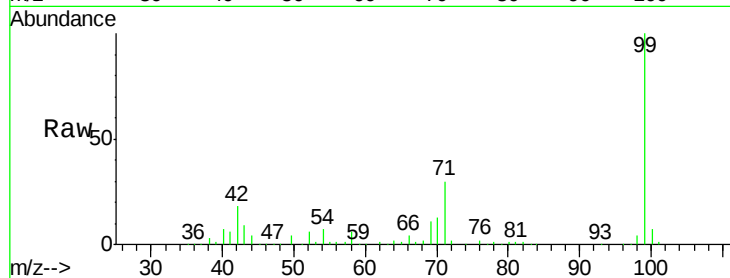
Tgt Ion: 99 Resp: 278139

Ion Ratio Lower Upper

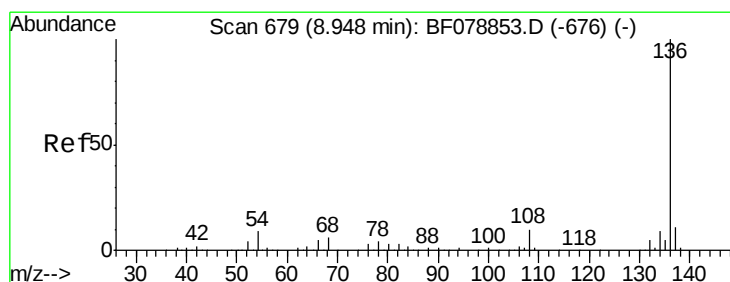
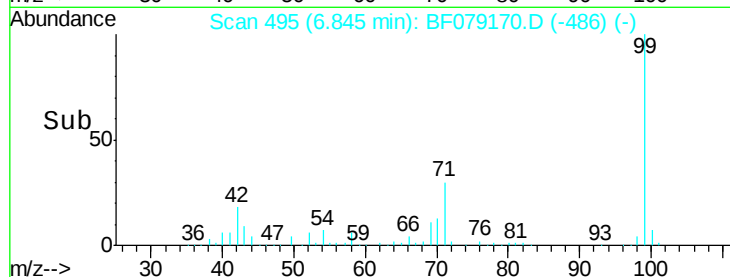
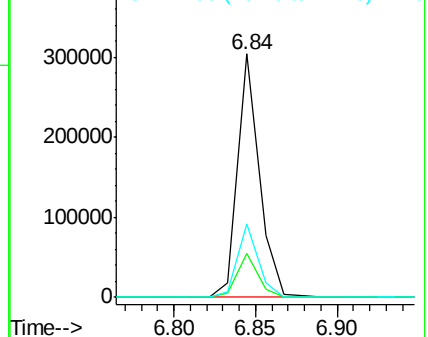
99 100

42 17.9 12.8 19.2

71 30.4 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: 8.86 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF079170.D

Acq: 12 May 2015 21:11

Tgt Ion: 136 Resp: 208521

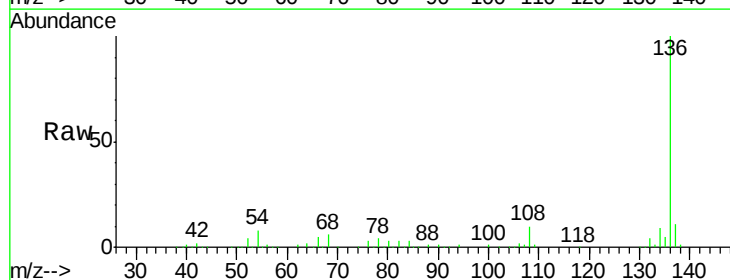
Ion Ratio Lower Upper

136 100

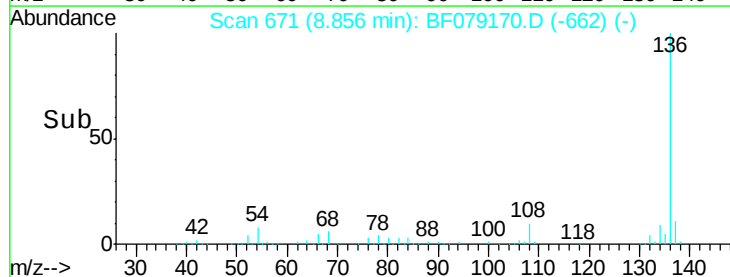
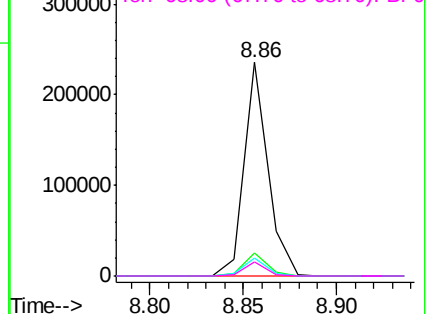
137 11.1 8.7 13.1

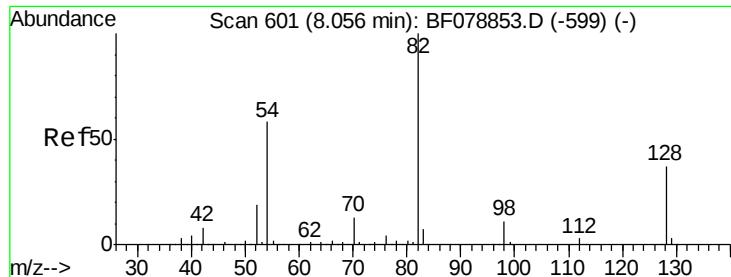
54 8.5 5.8 8.8

68 6.5 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

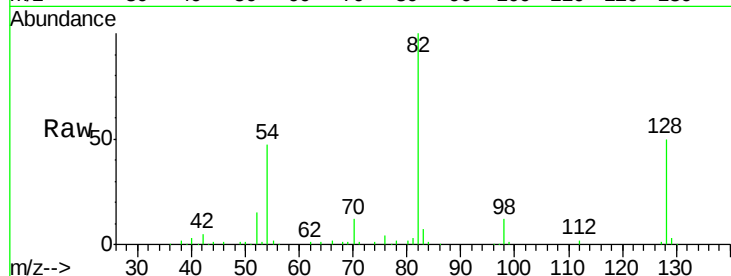




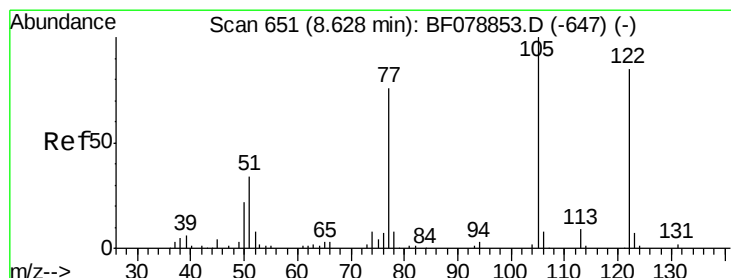
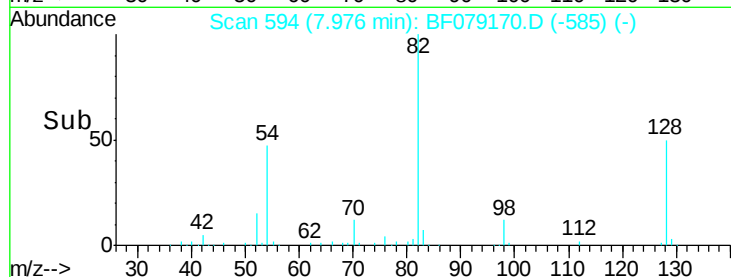
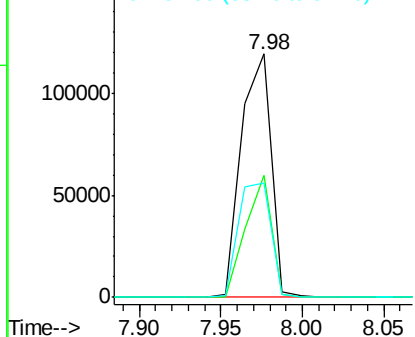
#23
 Nitrobenzene-d5
 Concen: 41.37 ng
 RT: 7.98 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF079170.D
 Acq: 12 May 2015 21:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-43AS

Tgt Ion: 82 Resp: 150087
 Ion Ratio Lower Upper
 82 100
 128 50.2 30.0 45.0#
 54 47.0 46.4 69.6

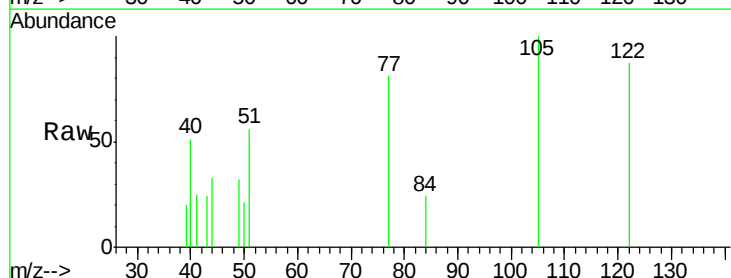


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

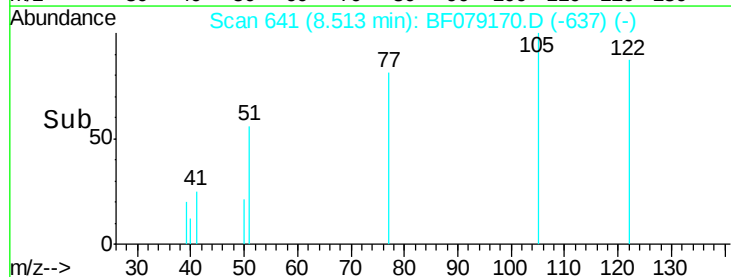
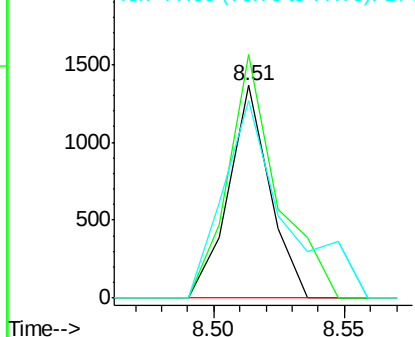


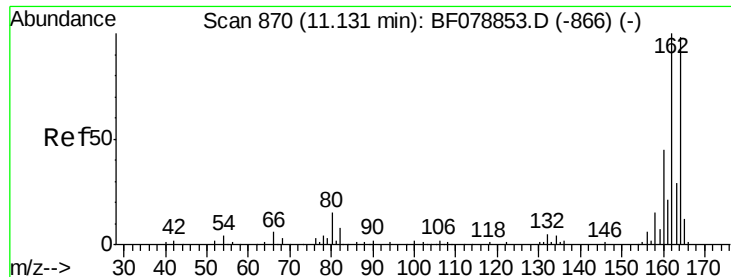
#32
 Benzoic acid
 Concen: 7.01 ng
 RT: 8.51 min Scan# 641
 Delta R.T. -0.06 min
 Lab File: BF079170.D
 Acq: 12 May 2015 21:11

Tgt Ion: 122 Resp: 1508
 Ion Ratio Lower Upper
 122 100
 105 114.7 107.1 147.1
 77 93.0 73.9 113.9



Abundance Ion 122.00 (121.70 to 122.70): B
 Ion 105.00 (104.70 to 105.70): B
 Ion 77.00 (76.70 to 77.70): BF0

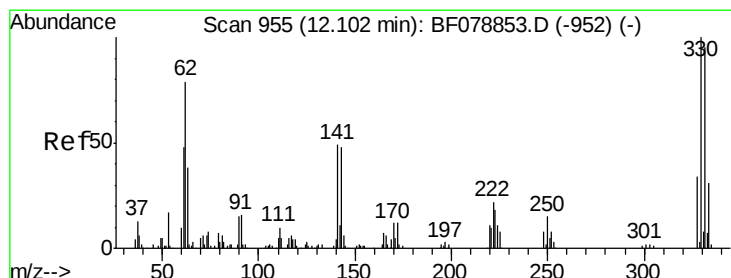
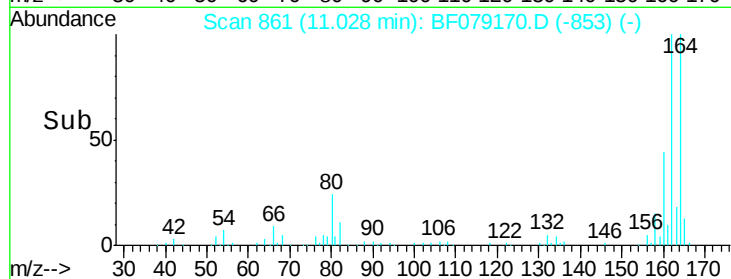
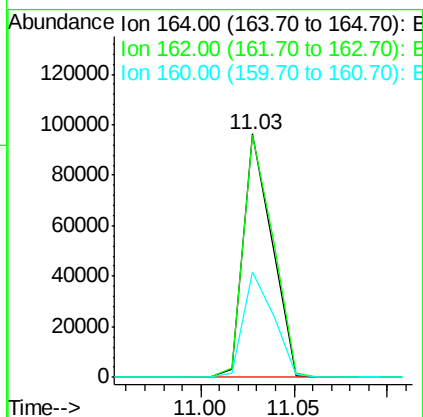
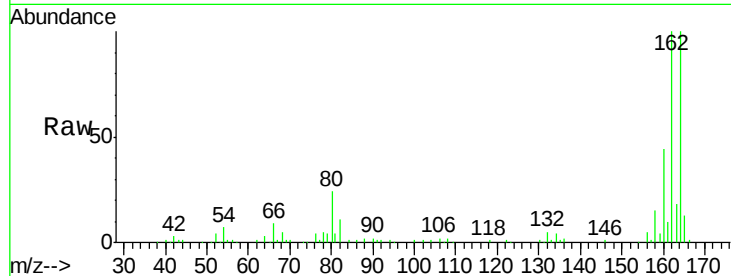




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF079170.D
Acq: 12 May 2015 21:11

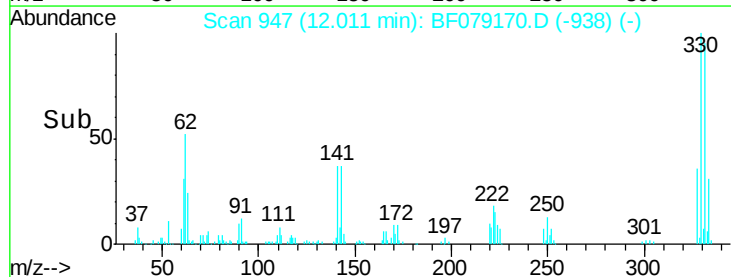
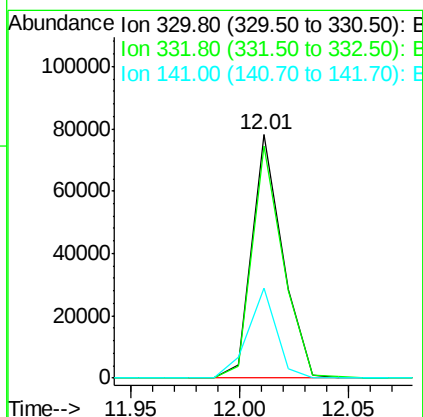
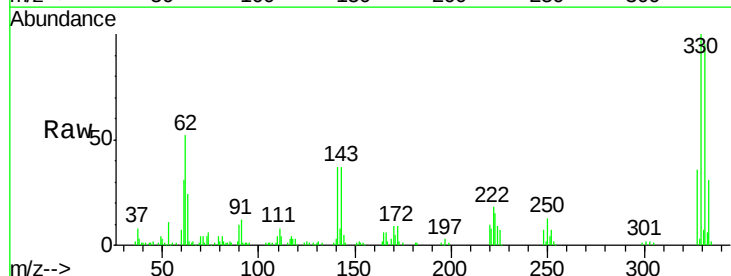
Instrument :
BNA_F
ClientSampleId :
SB-43AS

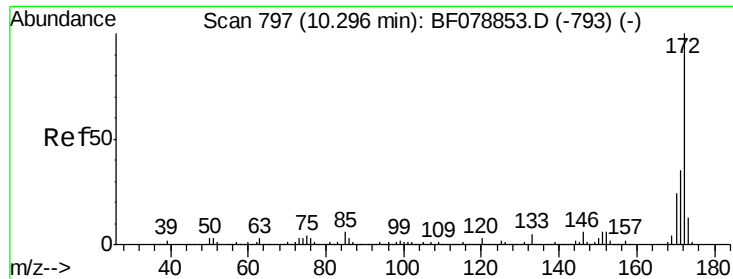
Tgt Ion:164 Resp: 102613
Ion Ratio Lower Upper
164 100
162 99.6 82.7 124.1
160 43.5 35.8 53.8



#41
2,4,6-Tribromophenol
Concen: 69.14 ng
RT: 12.01 min Scan# 947
Delta R.T. 0.00 min
Lab File: BF079170.D
Acq: 12 May 2015 21:11

Tgt Ion:330 Resp: 76754
Ion Ratio Lower Upper
330 100
332 96.1 0.0 0.0#
141 34.3 0.0 0.0#

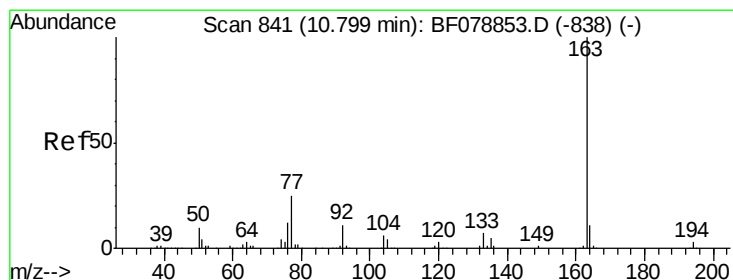
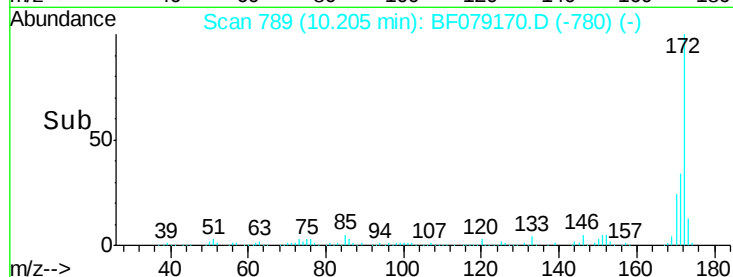
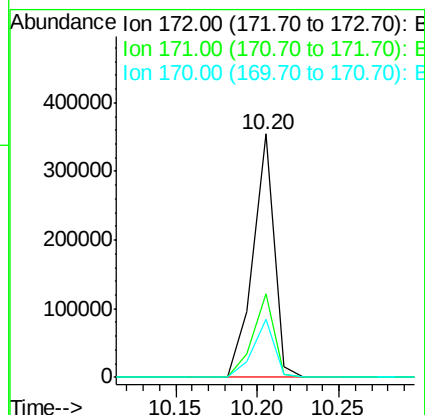
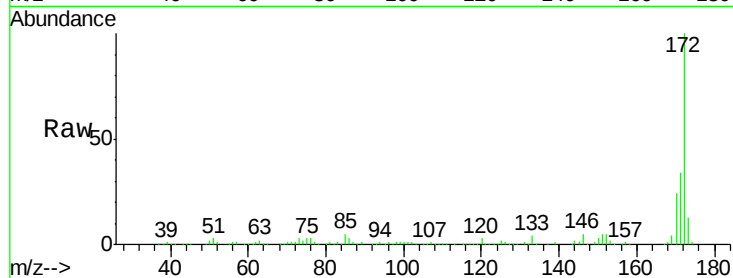




#44
2-Fluorobiphenyl
Concen: 43.58 ng
RT: 10.20 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF079170.D
Acq: 12 May 2015 21:11

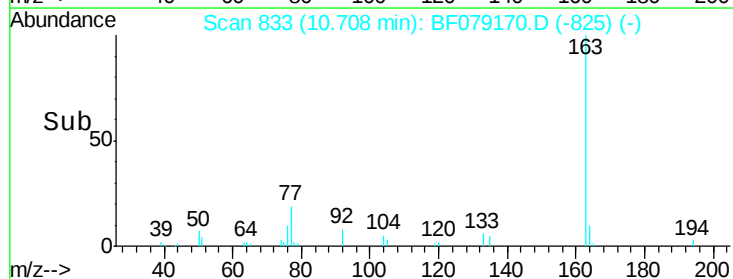
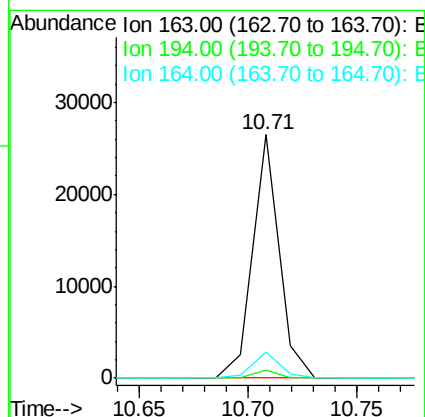
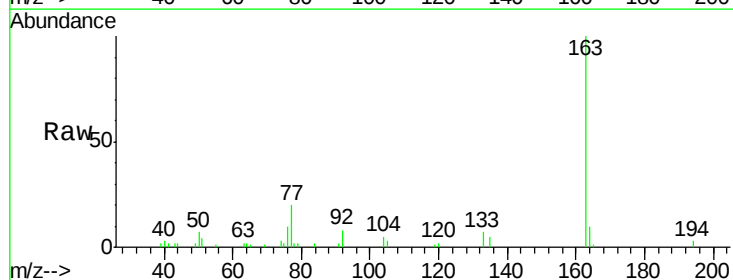
Instrument :
BNA_F
ClientSampleId :
SB-43AS

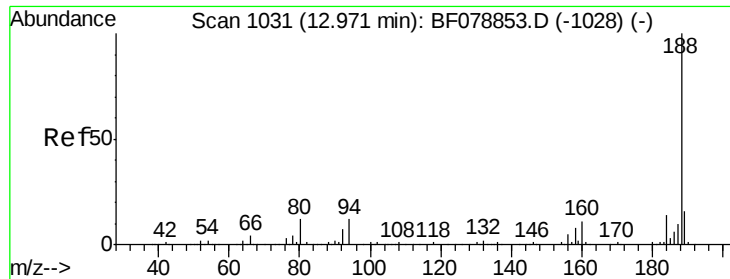
Tgt Ion:172 Resp: 320945
Ion Ratio Lower Upper
172 100
171 34.4 27.9 41.9
170 23.8 19.4 29.0



#49
Dimethylphthalate
Concen: 2.97 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF079170.D
Acq: 12 May 2015 21:11

Tgt Ion:163 Resp: 22366
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.5 8.1 12.1

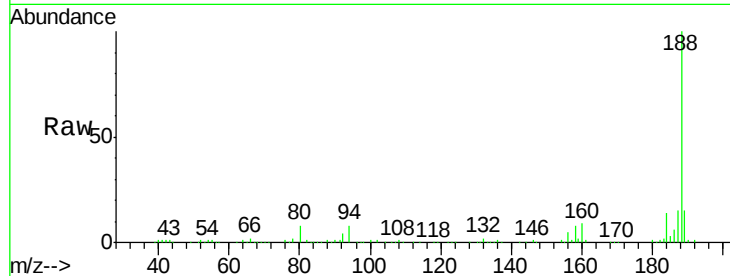




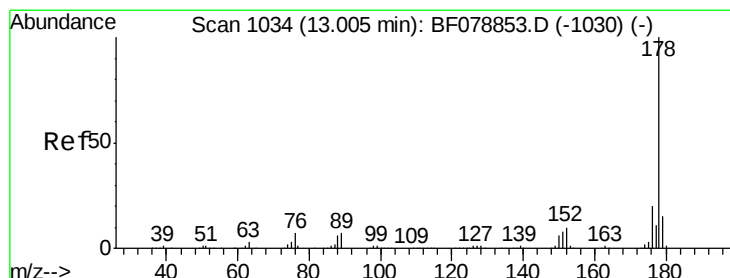
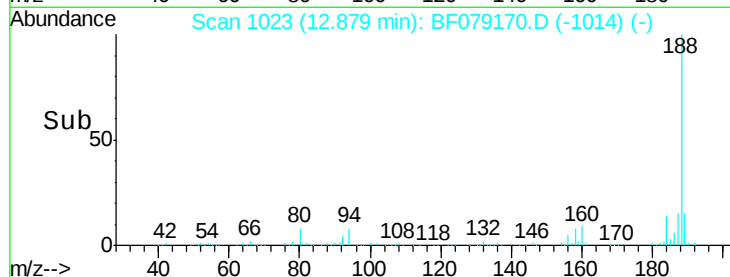
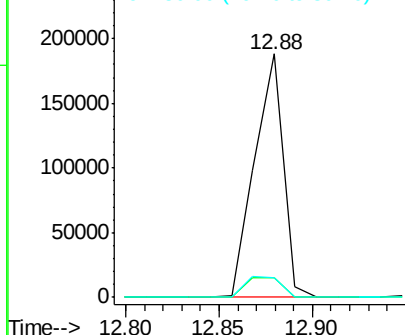
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.88 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF079170.D
Acq: 12 May 2015 21:11

Instrument :
BNA_F
ClientSampleId :
SB-43AS

Tgt Ion:188 Resp: 203390
Ion Ratio Lower Upper
188 100
94 8.0 8.2 12.2#
80 8.1 8.9 13.3#

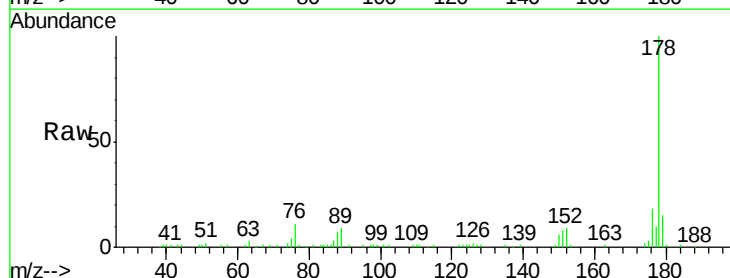


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

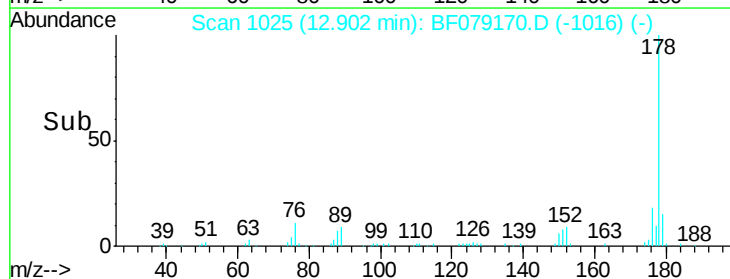
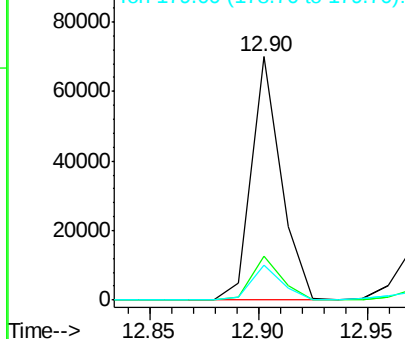


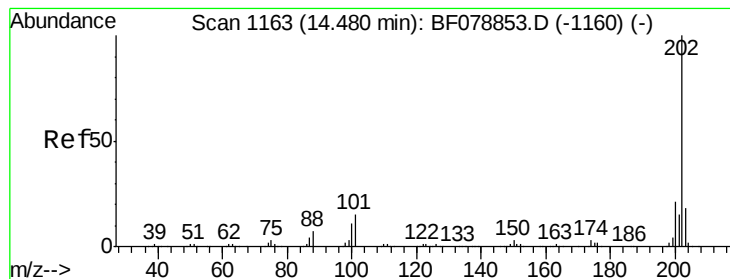
#70
Phenanthrene
Concen: 5.83 ng
RT: 12.90 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF079170.D
Acq: 12 May 2015 21:11

Tgt Ion:178 Resp: 66282
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 14.6 12.5 18.7



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: 8.19 ng

RT: 14.39 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF079170.D

Acq: 12 May 2015 21:11

Instrument :

BNA_F

ClientSampleId :

SB-43AS

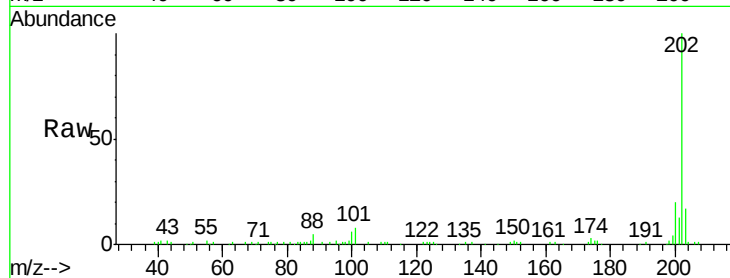
Tgt Ion: 202 Resp: 97097

Ion Ratio Lower Upper

202 100

101 8.4 0.0 34.6

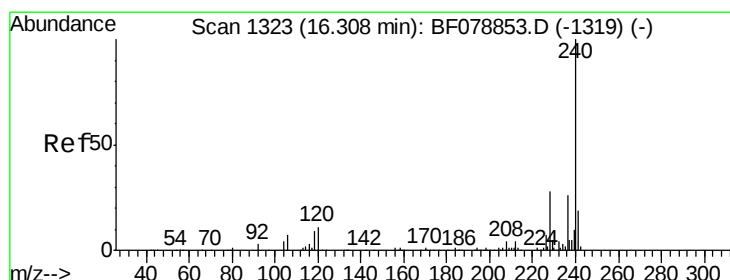
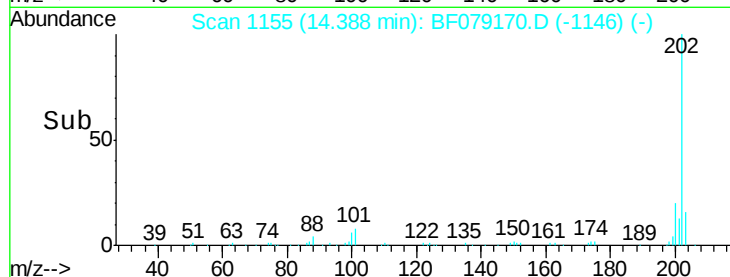
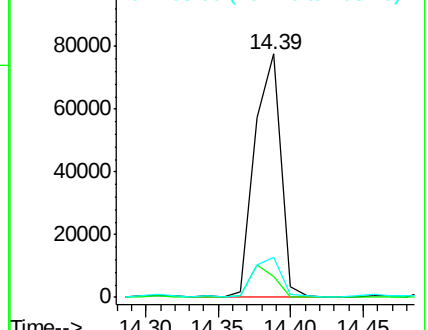
203 16.6 0.0 38.4



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: 16.17 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF079170.D

Acq: 12 May 2015 21:11

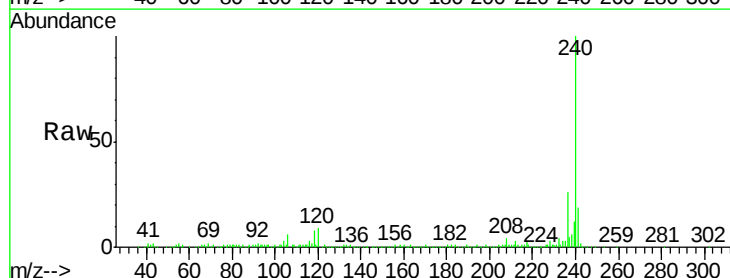
Tgt Ion: 240 Resp: 216251

Ion Ratio Lower Upper

240 100

120 8.7 9.7 14.5#

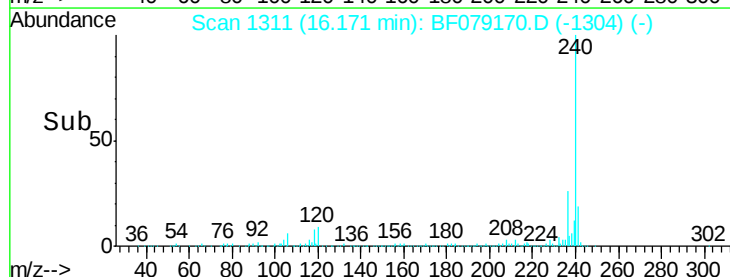
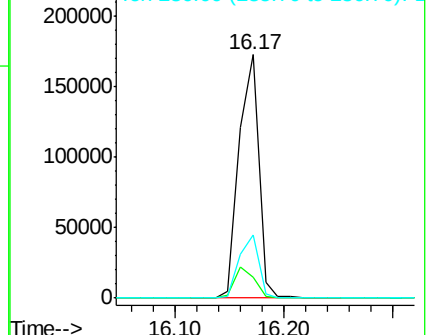
236 25.7 20.2 30.4

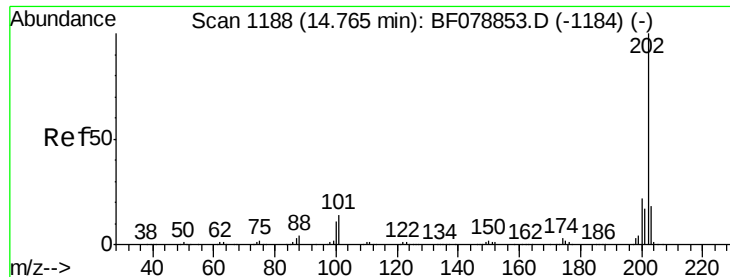


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

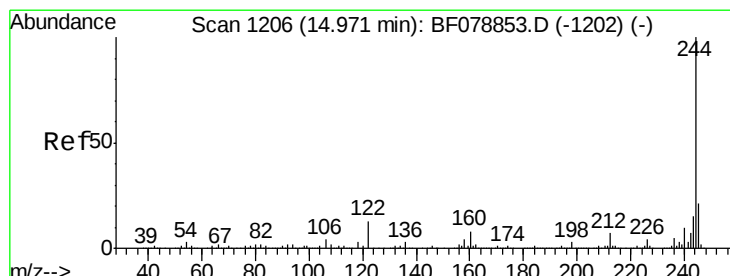
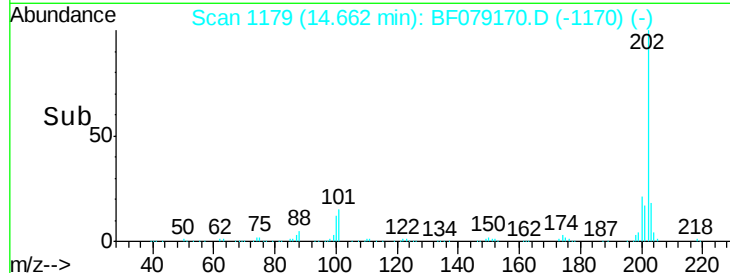
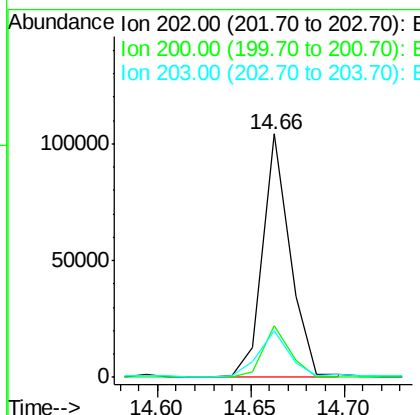
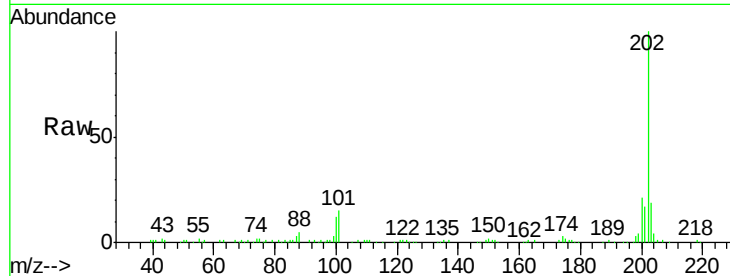




#77
 Pyrene
 Concen: 8.54 ng
 RT: 14.66 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: BF079170.D
 Acq: 12 May 2015 21:11

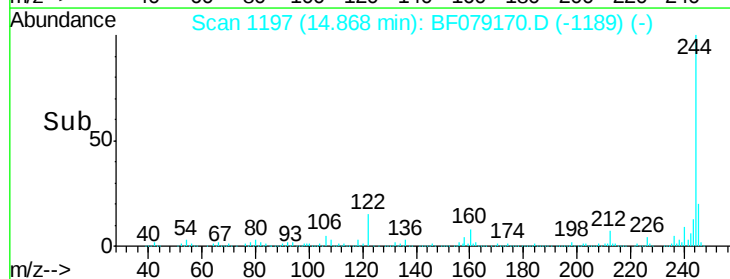
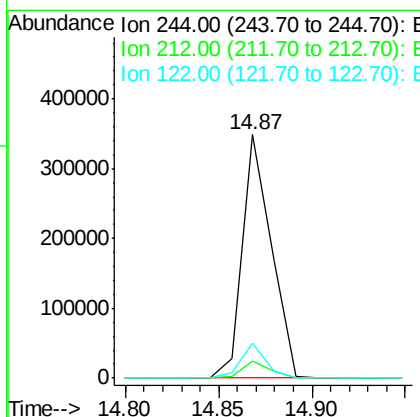
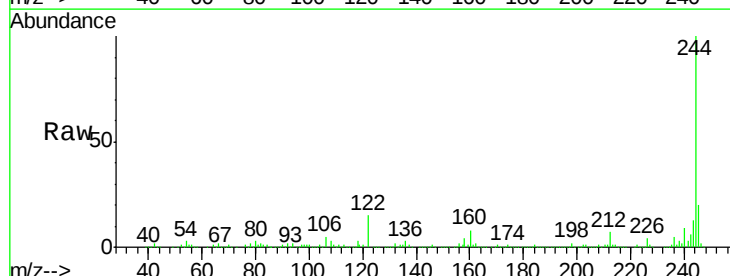
Instrument :
 BNA_F
 ClientSampled :
 SB-43AS

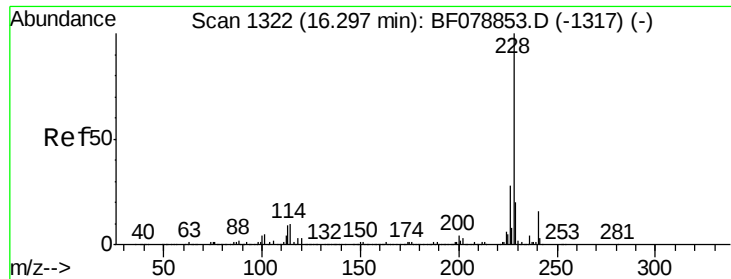
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.5	26.3
203	19.2	13.9	20.9



#78
 Terphenyl-d14
 Concen: 41.69 ng
 RT: 14.87 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF079170.D
 Acq: 12 May 2015 21:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	14.5	10.3	15.5

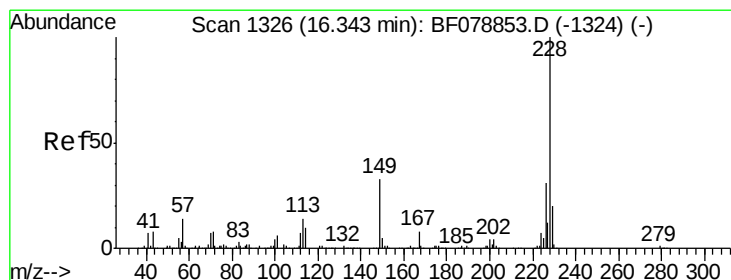
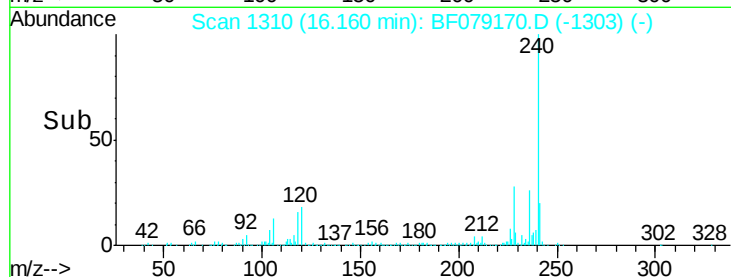
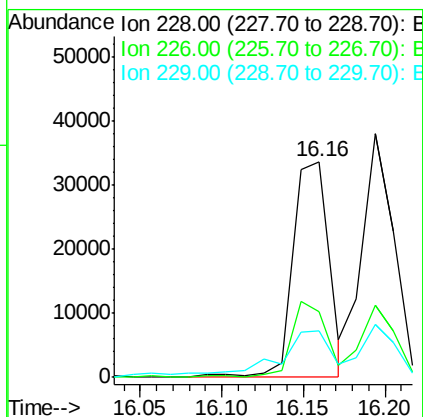
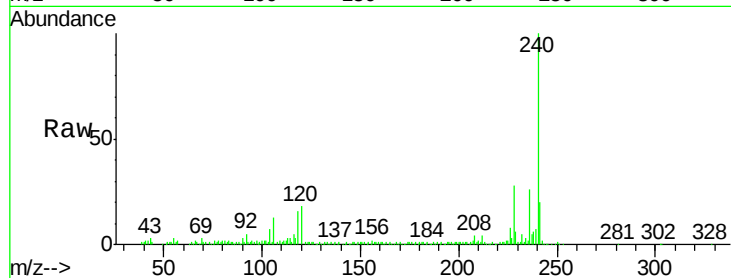




#80
Benzo(a)anthracene
Concen: 4.40 ng
RT: 16.16 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF079170.D
Acq: 12 May 2015 21:11

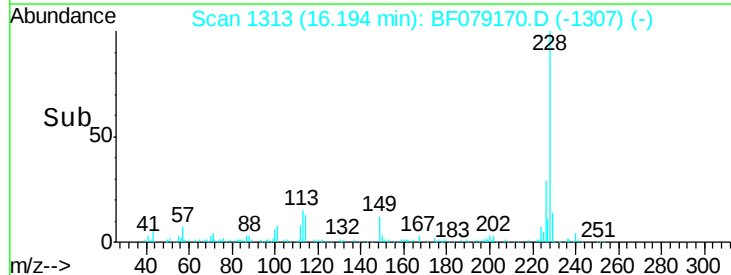
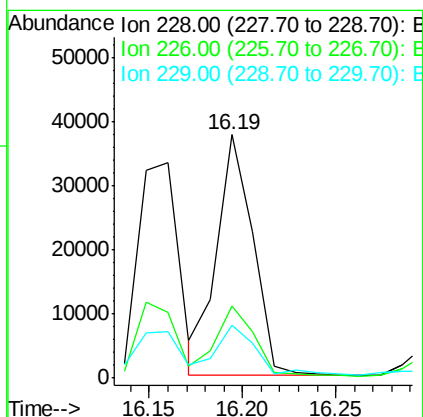
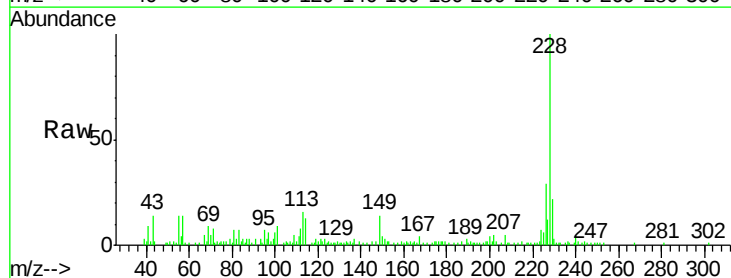
Instrument :
BNA_F
ClientSampleId :
SB-43AS

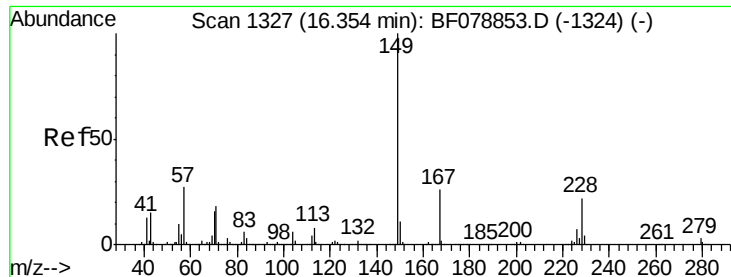
Tgt Ion:228 Resp: 52140
Ion Ratio Lower Upper
228 100
226 30.2 22.6 33.8
229 21.5 15.9 23.9



#82
Chrysene
Concen: 4.43 ng
RT: 16.19 min Scan# 1313
Delta R.T. -0.03 min
Lab File: BF079170.D
Acq: 12 May 2015 21:11

Tgt Ion:228 Resp: 50503
Ion Ratio Lower Upper
228 100
226 29.4 24.9 37.3
229 21.5 16.0 24.0

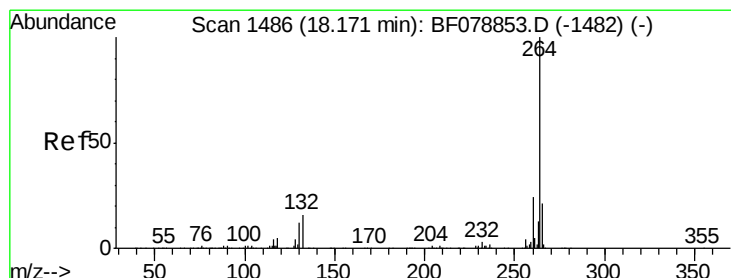
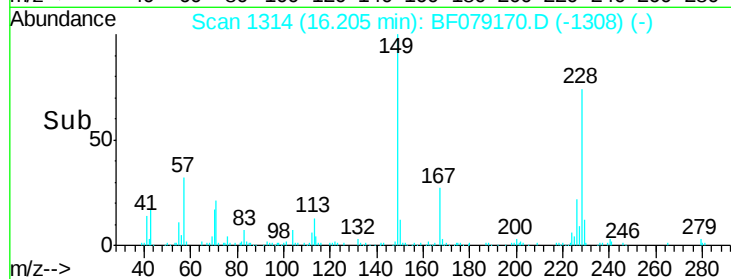
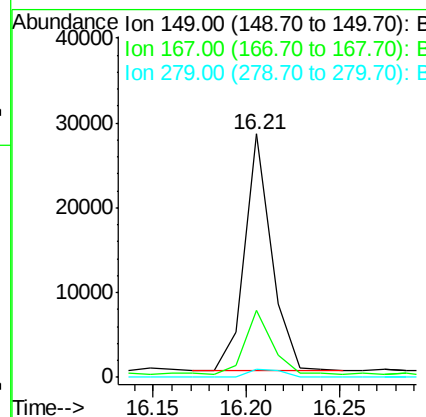
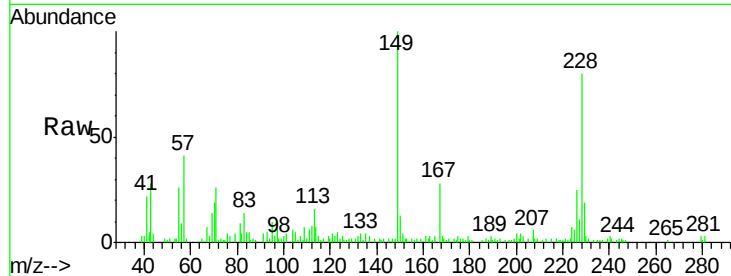




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.42 ng
 RT: 16.21 min Scan# 1314
 Delta R.T. -0.03 min
 Lab File: BF079170.D
 Acq: 12 May 2015 21:11

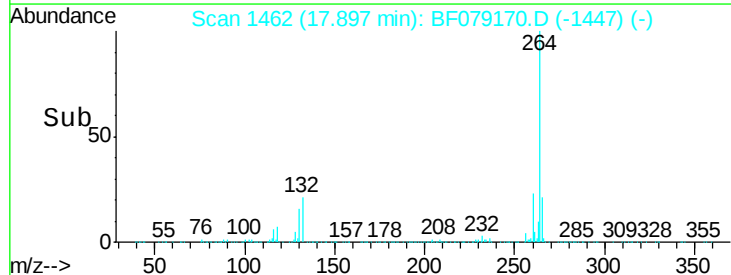
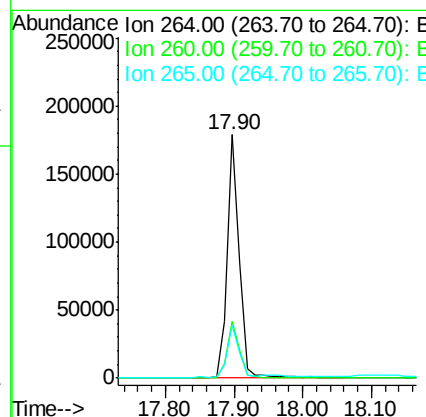
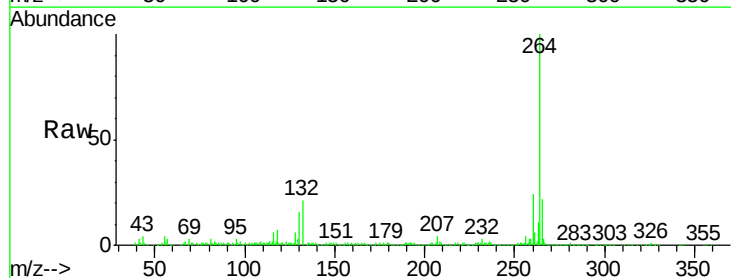
Instrument :
 BNA_F
 ClientSampleId :
 SB-43AS

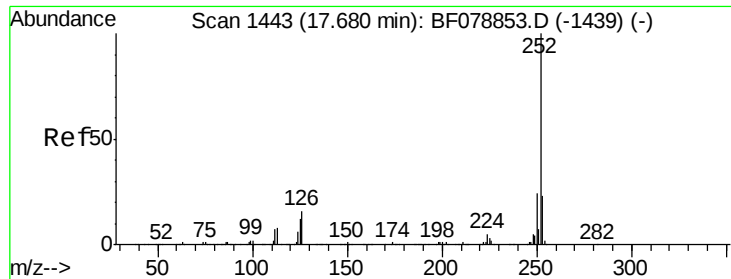
Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.8	32.8
279	3.4	2.9	4.3



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.90 min Scan# 1462
 Delta R.T. -0.13 min
 Lab File: BF079170.D
 Acq: 12 May 2015 21:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.7	18.3	27.5

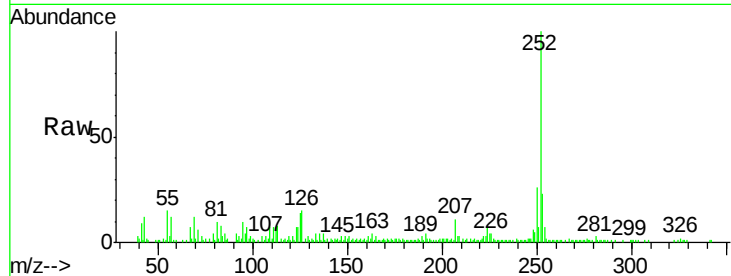




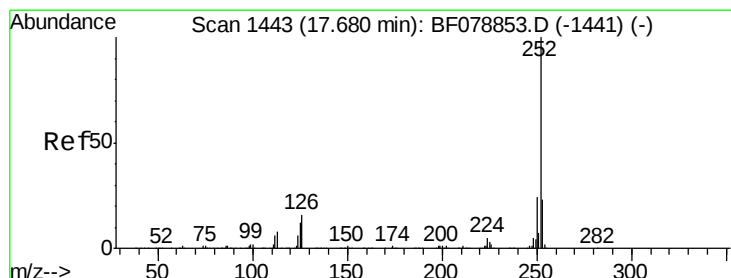
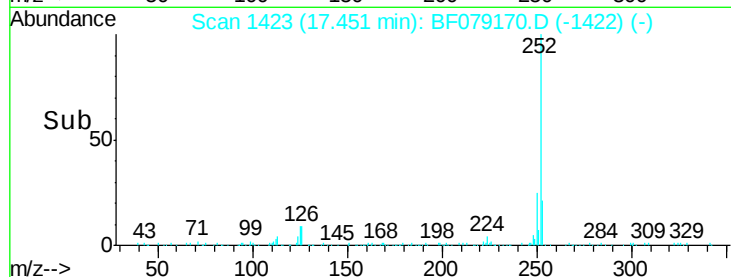
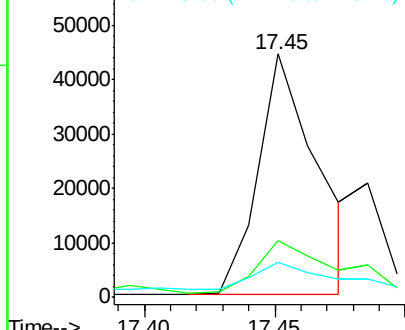
#87
Benzo(b)fluoranthene
Concen: 5.71 ng
RT: 17.45 min Scan# 1423
Delta R.T. -0.09 min
Lab File: BF079170.D
Acq: 12 May 2015 21:11

Instrument :
BNA_F
ClientSampleId :
SB-43AS

Tgt Ion:252 Resp: 69751
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 14.3 9.5 14.3

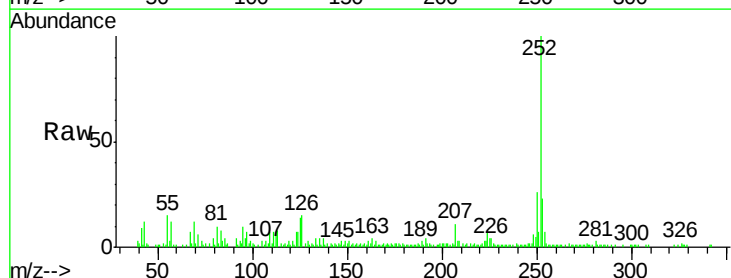


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

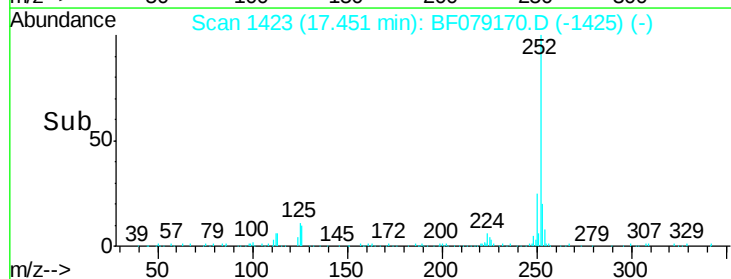
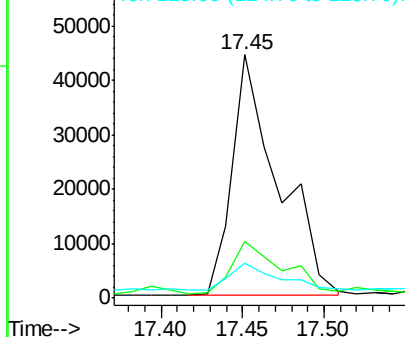


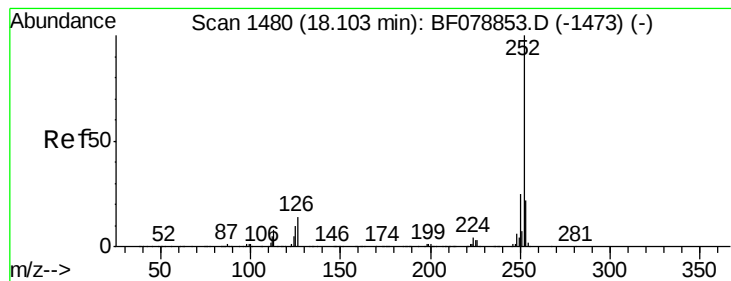
#88
Benzo(k)fluoranthene
Concen: 7.37 ng
RT: 17.45 min Scan# 1423
Delta R.T. -0.13 min
Lab File: BF079170.D
Acq: 12 May 2015 21:11

Tgt Ion:252 Resp: 87087
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 14.3 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: 4.33 ng

RT: 17.83 min Scan# 1456

Delta R.T. -0.13 min

Lab File: BF079170.D

Acq: 12 May 2015 21:11

Instrument :

BNA_F

ClientSampleId :

SB-43AS

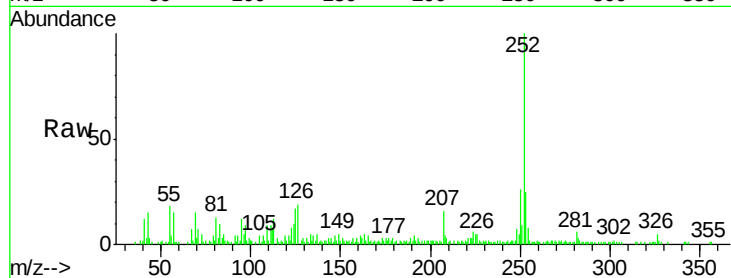
Tgt Ion:252 Resp: 48689

Ion Ratio Lower Upper

252 100

253 24.8 17.3 25.9

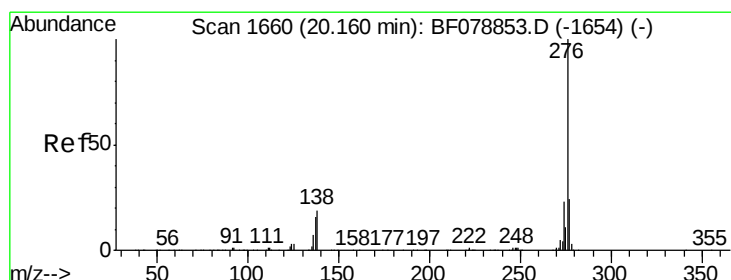
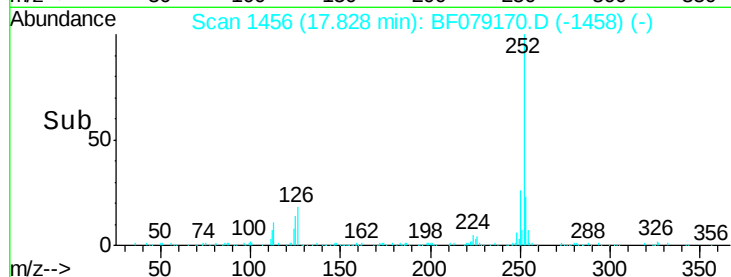
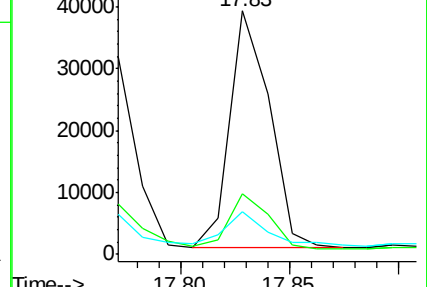
125 17.4 7.0 10.6#



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



#91

Benzo(g,h,i)perylene

Concen: 3.11 ng

RT: 19.78 min Scan# 1627

Delta R.T. -0.15 min

Lab File: BF079170.D

Acq: 12 May 2015 21:11

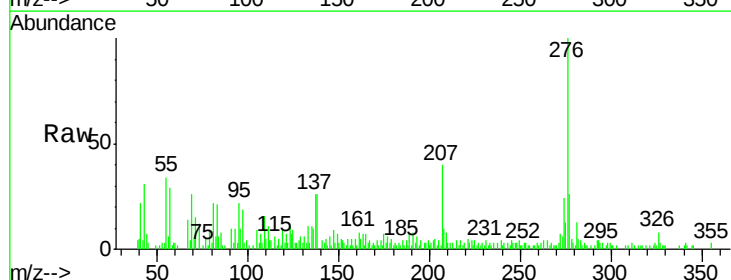
Tgt Ion:276 Resp: 37260

Ion Ratio Lower Upper

276 100

277 25.8 18.6 28.0

138 26.0 17.4 26.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

