

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050715\
 Data File : BF079007.D
 Acq On : 7 May 2015 20:35
 Operator : TP/IZ
 Sample : G2084-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2

Quant Time: May 08 01:08:22 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 00:46:40 2015
 Response via : Initial Calibration

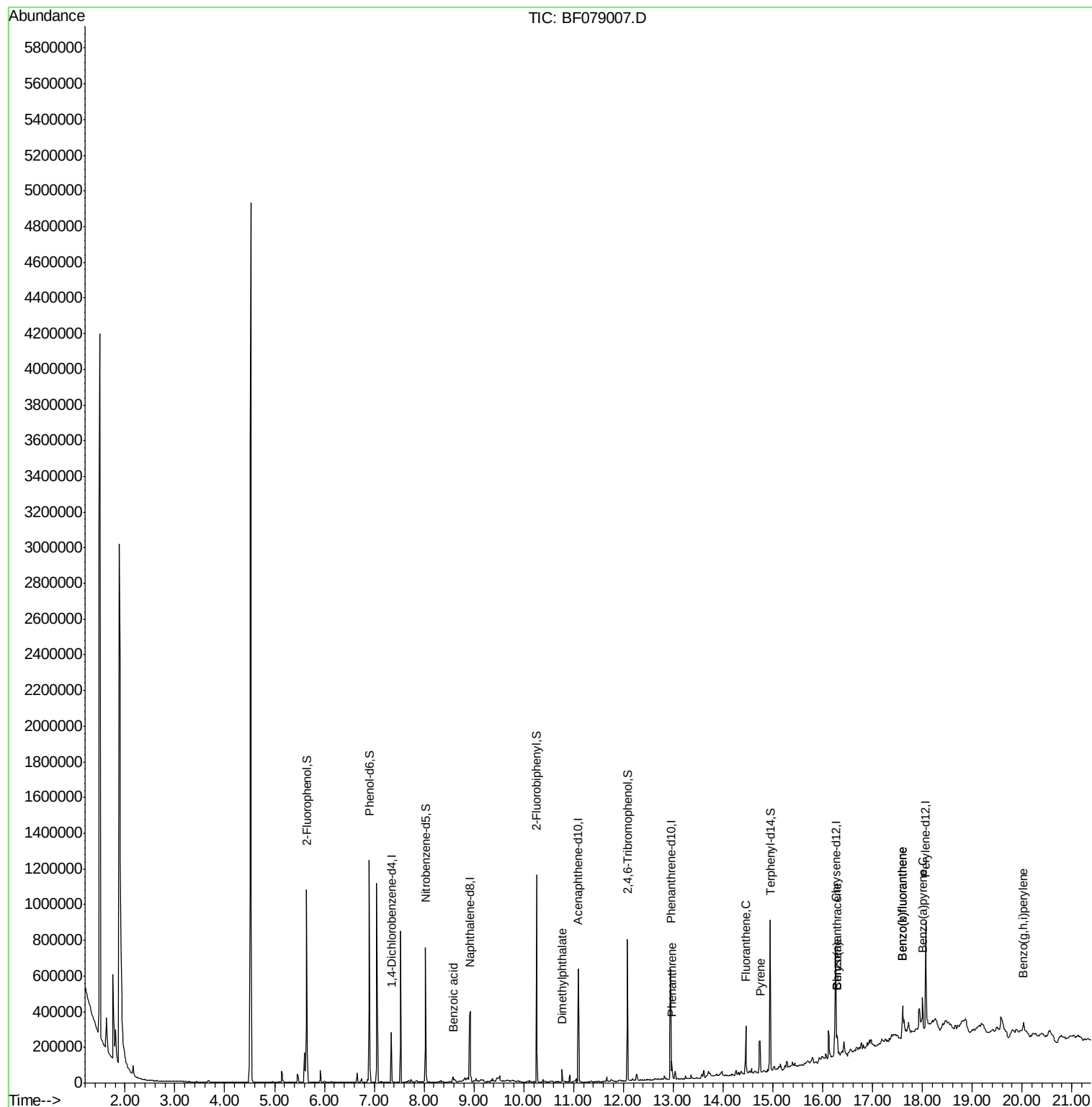
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	59630	20.00	ng	0.01
21) Naphthalene-d8	8.92	136	258450	20.00	ng	0.01
38) Acenaphthene-d10	11.10	164	127395	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	255413	20.00	ng	0.01
75) Chrysene-d12	16.26	240	281297	20.00	ng	-0.01
86) Perylene-d12	18.07	264	296243	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	310130	89.53	ng	0.01
7) Phenol-d6	6.90	99	443183	96.79	ng	0.01
23) Nitrobenzene-d5	8.03	82	235886	52.45	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	104104	75.54	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	340940	37.29	ng	0.00
78) Terphenyl-d14	14.95	244	386602	32.90	ng	0.01
Target Compounds						Qvalue
32) Benzoic acid	8.58	122	8860	9.64	ng	95
49) Dimethylphthalate	10.76	163	28769	3.08	ng	99
70) Phenanthrene	12.97	178	43594	3.05	ng	97
74) Fluoranthene	14.46	202	116810	7.85	ng	95
77) Pyrene	14.74	202	105878	6.53	ng	99
80) Benzo(a)anthracene	16.29	228	61580	4.00	ng	94
82) Chrysene	16.29	228	67946	4.59	ng	96
87) Benzo(b)fluoranthene	17.60	252	145193	8.95	ng	98
88) Benzo(k)fluoranthene	17.60	252	147032	9.37	ng	99
89) Benzo(a)pyrene	18.00	252	72837	4.88	ng	# 91
91) Benzo(g,h,i)perylene	20.02	276	49313	3.10	ng	# 92

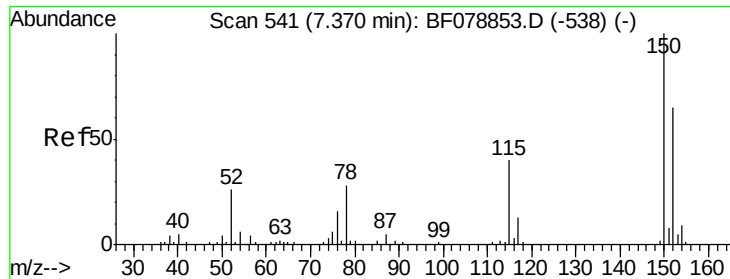
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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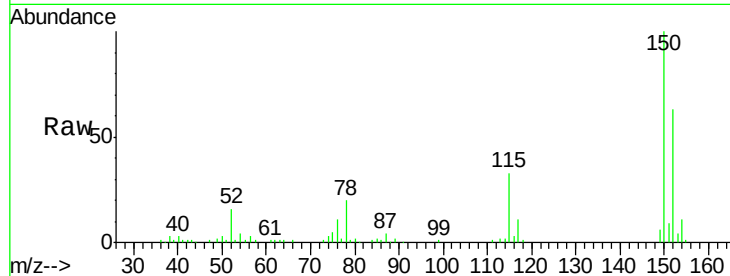




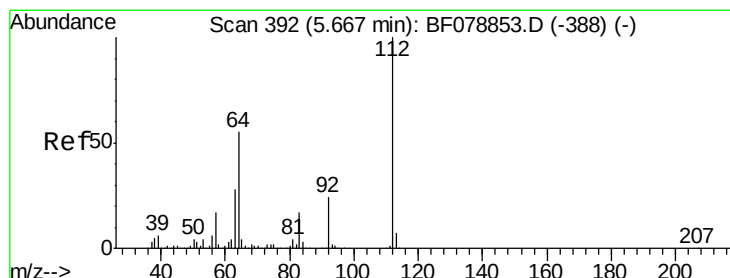
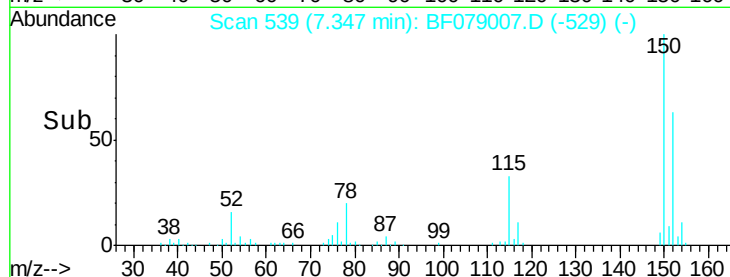
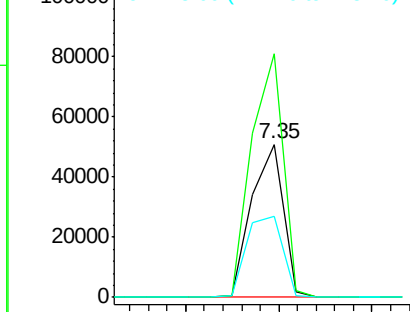
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: BF079007.D
 Acq: 7 May 2015 20:35

Instrument :
 BNA_F
 ClientSampled :
 2

Tgt Ion:152 Resp: 59630
 Ion Ratio Lower Upper
 152 100
 150 159.1 122.0 183.0
 115 53.3 46.3 69.5

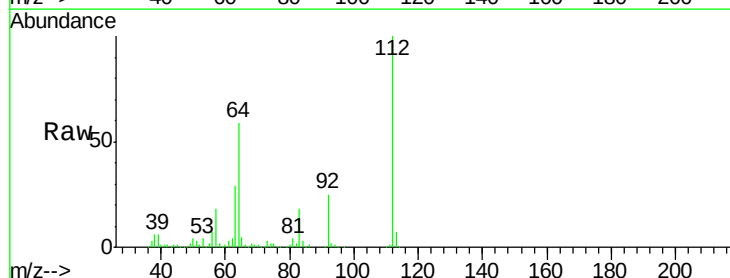


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

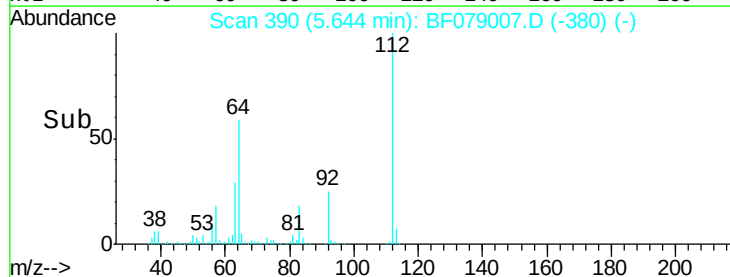
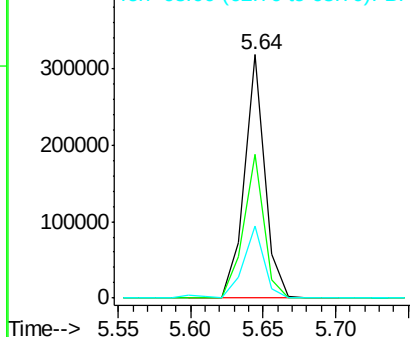


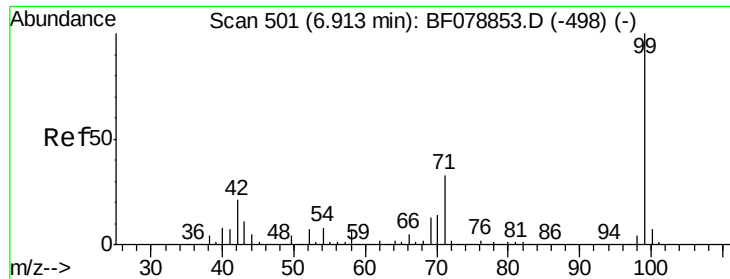
#5
 2-Fluorophenol
 Concen: 89.53 ng
 RT: 5.64 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: BF079007.D
 Acq: 7 May 2015 20:35

Tgt Ion:112 Resp: 310130
 Ion Ratio Lower Upper
 112 100
 64 59.0 53.5 80.3
 63 29.4 27.5 41.3



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: 96.79 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Instrument :

BNA_F

ClientSampleId :

2

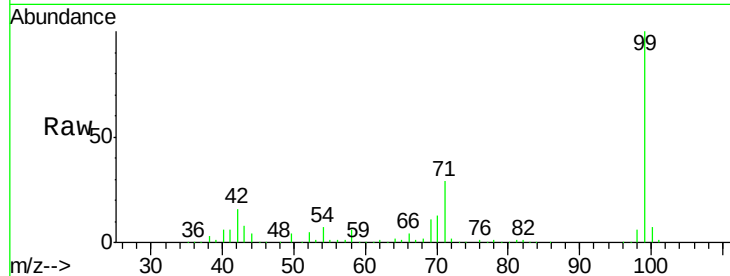
Tgt Ion: 99 Resp: 443183

Ion Ratio Lower Upper

99 100

42 16.2 12.8 19.2

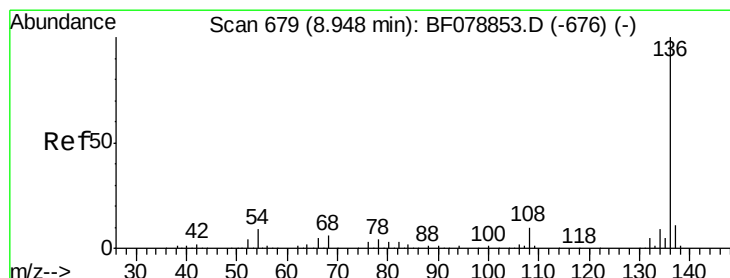
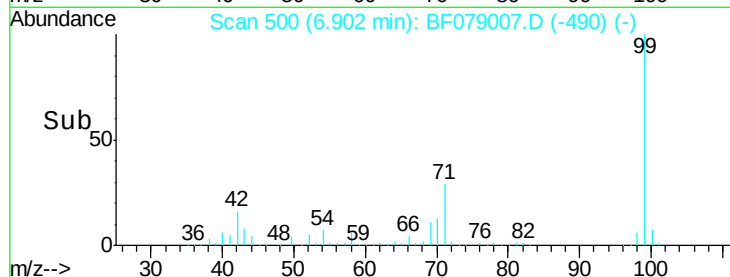
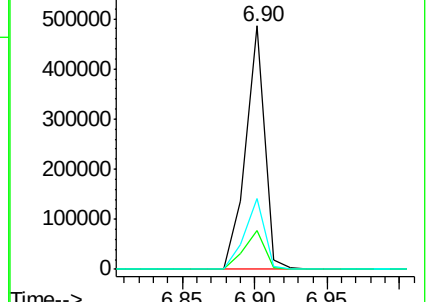
71 29.0 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.92 min Scan# 677

Delta R.T. 0.01 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Tgt Ion: 136 Resp: 258450

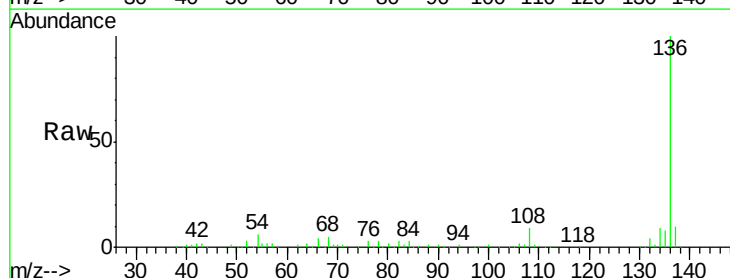
Ion Ratio Lower Upper

136 100

137 10.1 8.7 13.1

54 5.8 5.8 8.8#

68 4.9 4.2 6.4

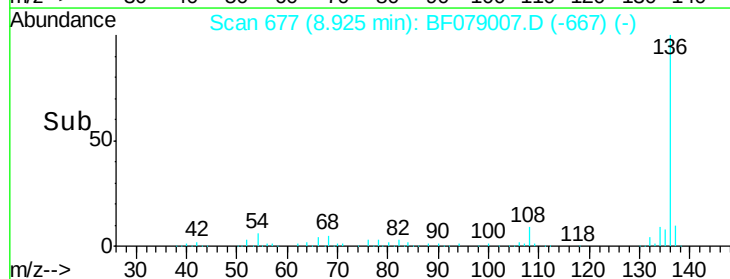
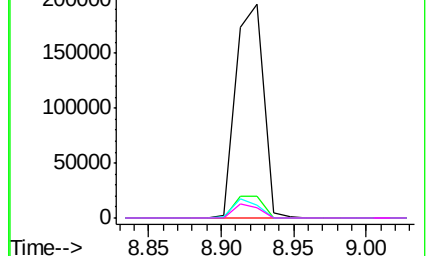


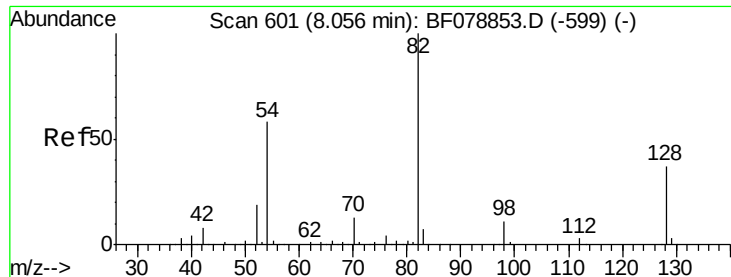
Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)

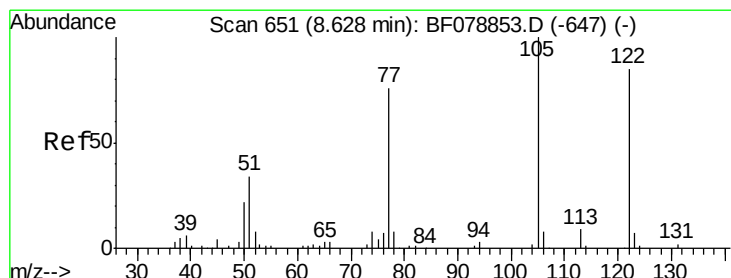
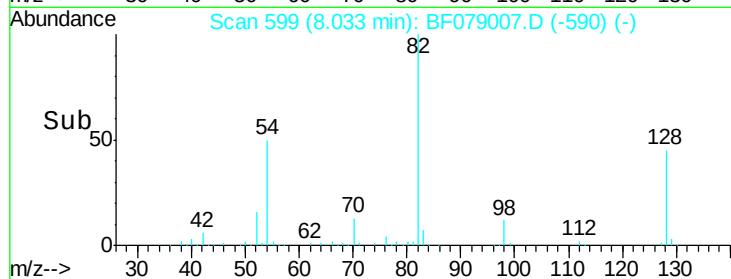
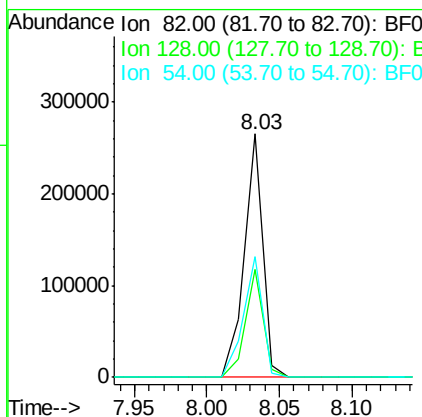
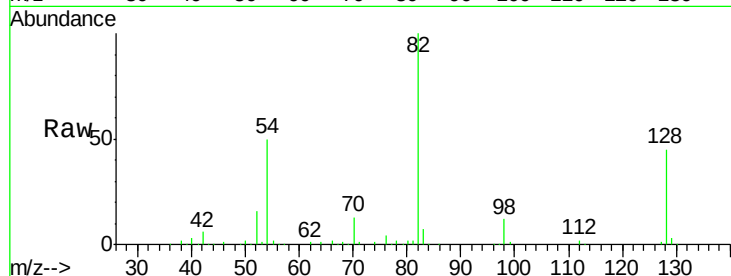




#23
 Nitrobenzene-d5
 Concen: 52.45 ng
 RT: 8.03 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: BF079007.D
 Acq: 7 May 2015 20:35

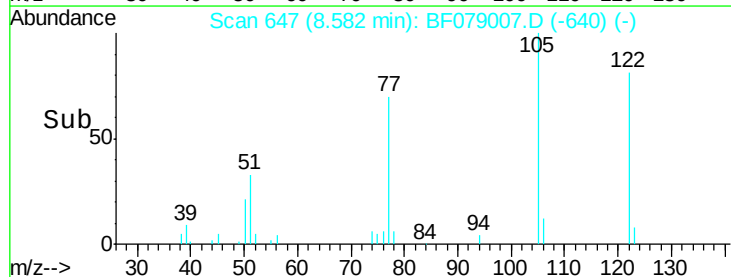
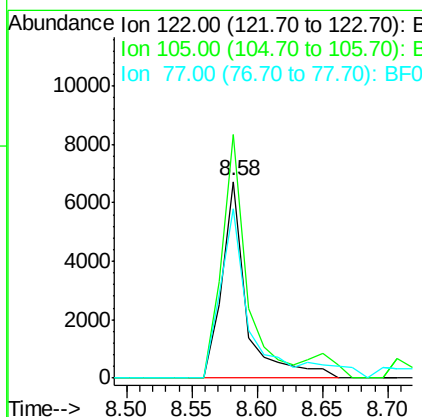
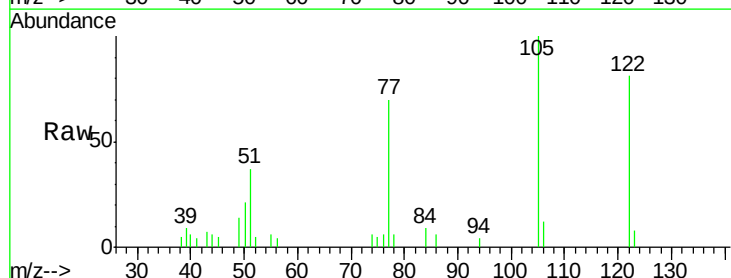
Instrument :
 BNA_F
 ClientSampleId :
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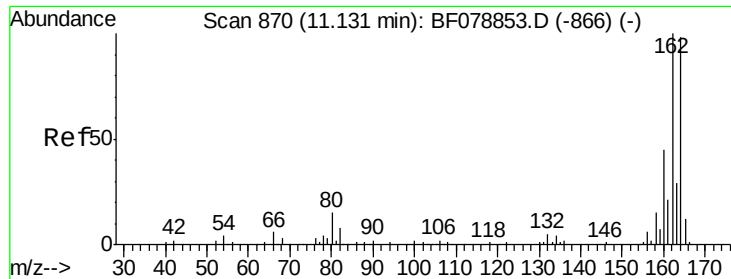
Tgt Ion: 82 Resp: 235886
 Ion Ratio Lower Upper
 82 100
 128 44.5 30.0 45.0
 54 49.7 46.4 69.6



#32
 Benzoic acid
 Concen: 9.64 ng
 RT: 8.58 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: BF079007.D
 Acq: 7 May 2015 20:35

Tgt Ion: 122 Resp: 8860
 Ion Ratio Lower Upper
 122 100
 105 123.9 107.1 147.1
 77 86.5 73.9 113.9

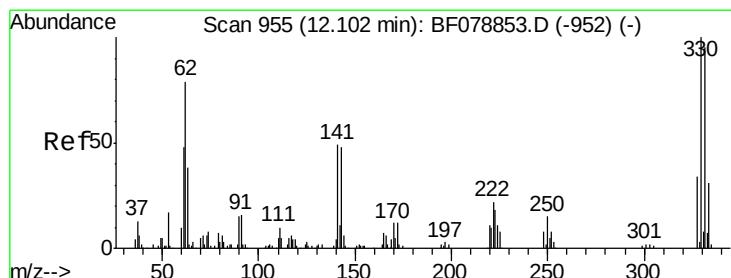
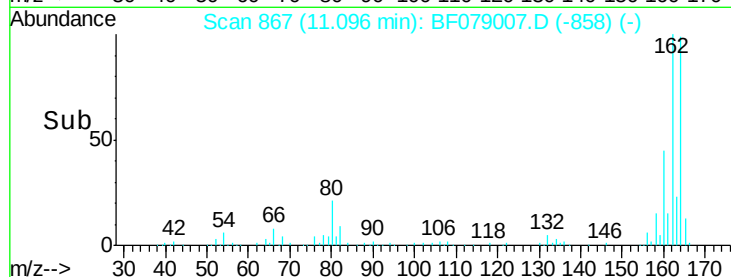
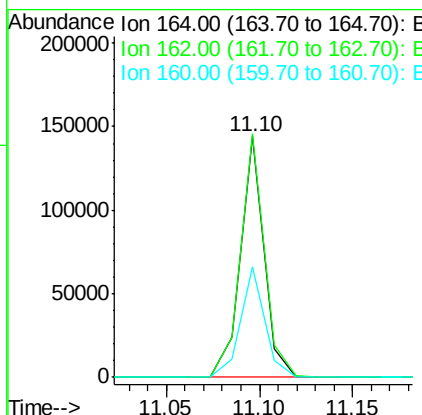
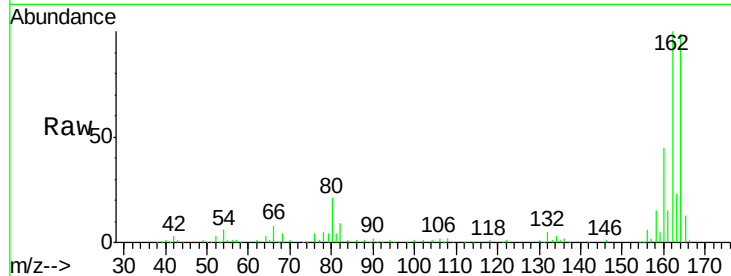




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: BF079007.D
 Acq: 7 May 2015 20:35

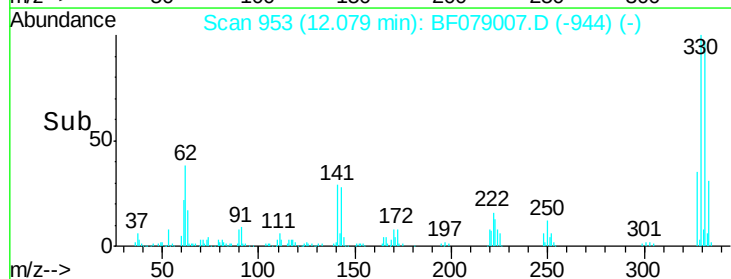
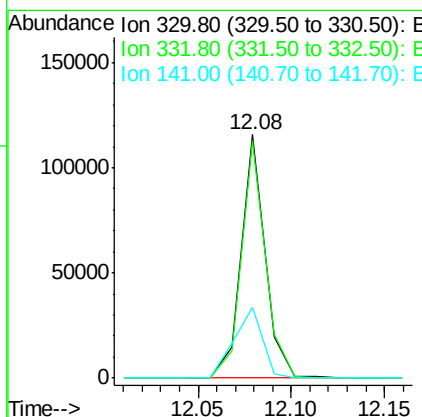
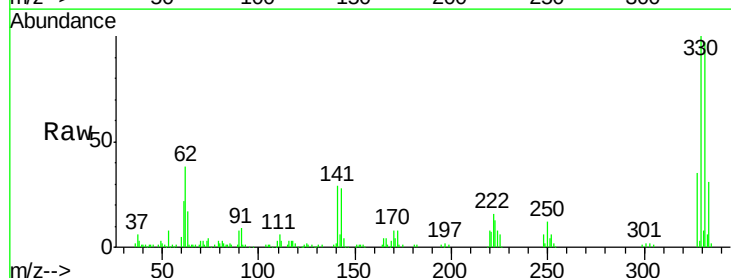
Instrument :
 BNA_F
 ClientSampleId :
 2

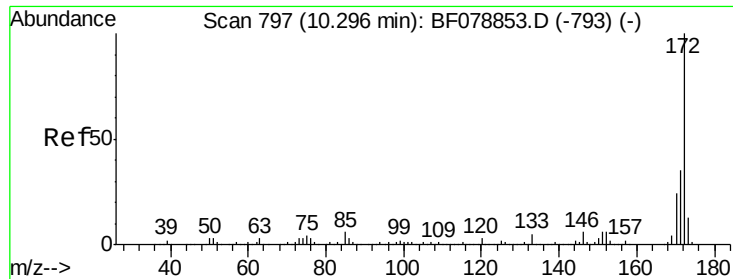
Tgt Ion:164 Resp: 127395
 Ion Ratio Lower Upper
 164 100
 162 101.1 82.7 124.1
 160 46.0 35.8 53.8



#41
 2,4,6-Tribromophenol
 Concen: 75.54 ng
 RT: 12.08 min Scan# 953
 Delta R.T. -0.00 min
 Lab File: BF079007.D
 Acq: 7 May 2015 20:35

Tgt Ion:330 Resp: 104104
 Ion Ratio Lower Upper
 330 100
 332 97.7 0.0 0.0#
 141 35.0 0.0 0.0#

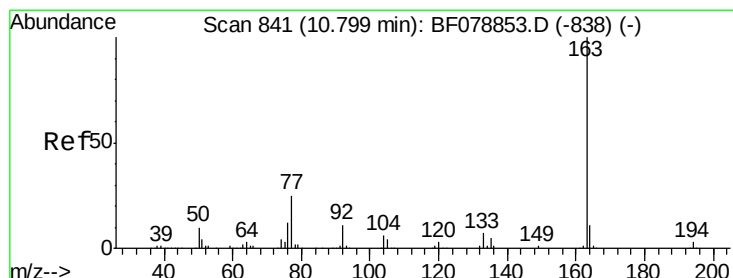
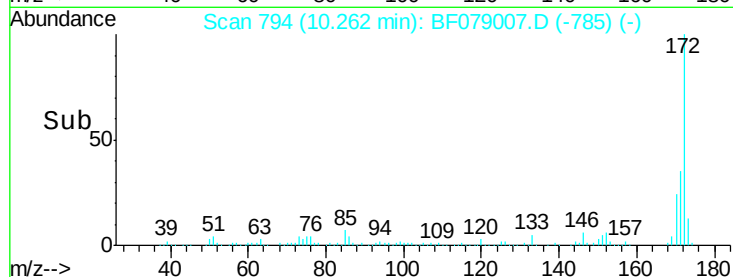
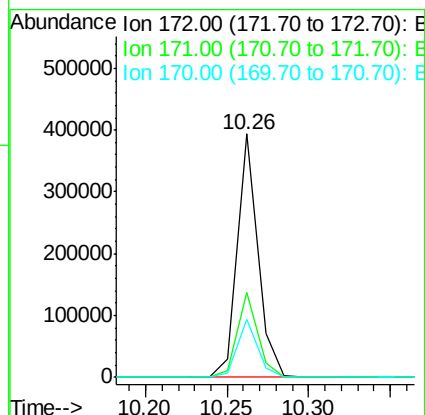
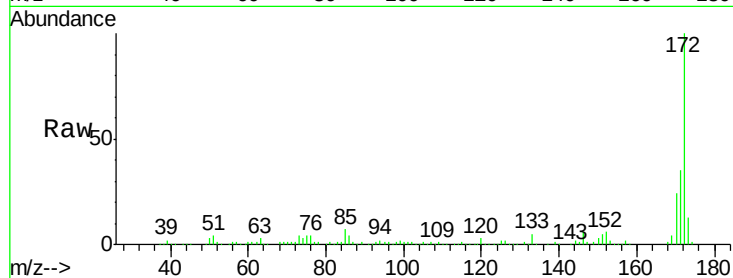




#44
2-Fluorobiphenyl
Concen: 37.29 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

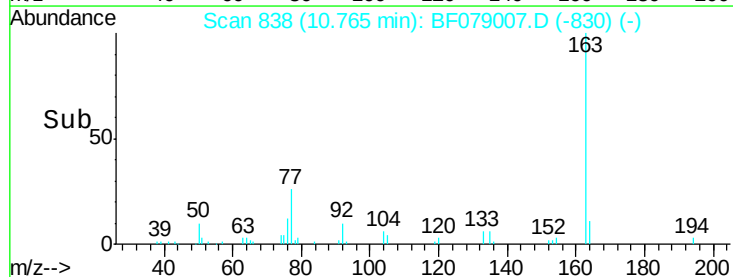
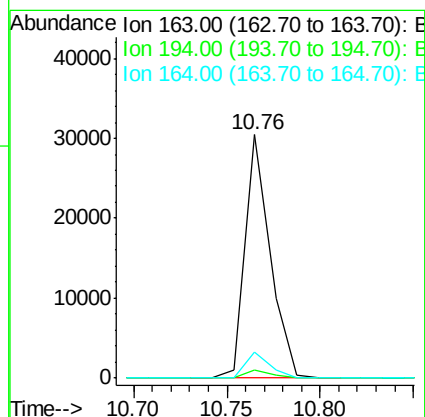
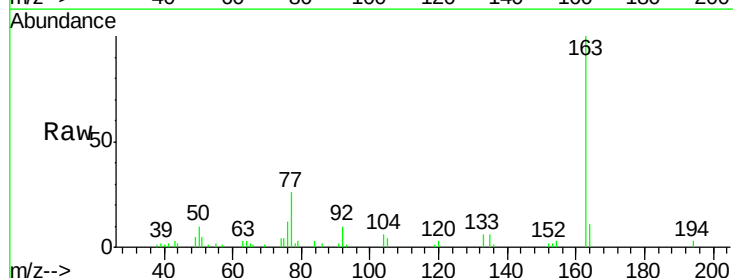
Instrument :
BNA_F
ClientSampled :
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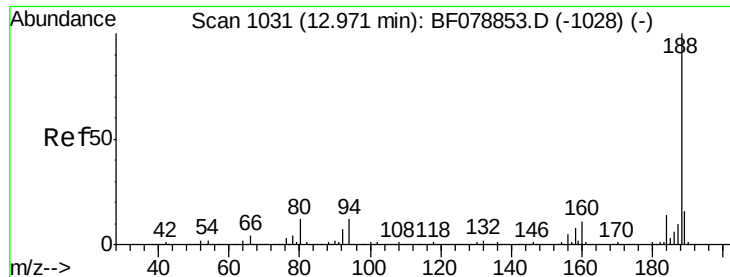
Tgt Ion:172 Resp: 340940
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.9 19.4 29.0



#49
Dimethylphthalate
Concen: 3.08 ng
RT: 10.76 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Tgt Ion:163 Resp: 28769
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.5 8.1 12.1

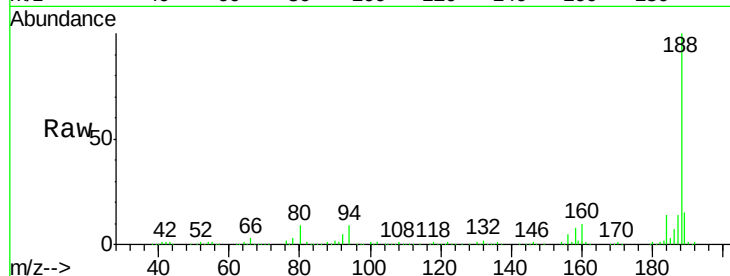




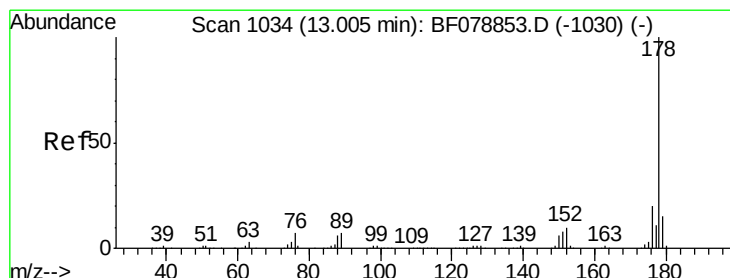
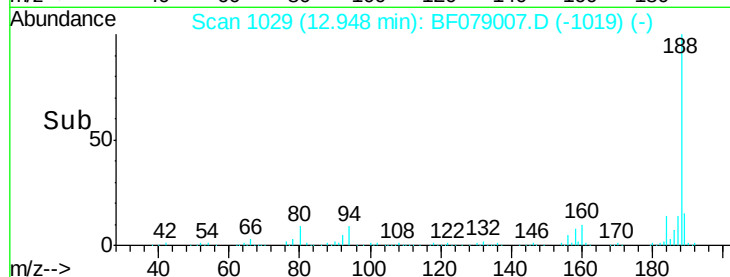
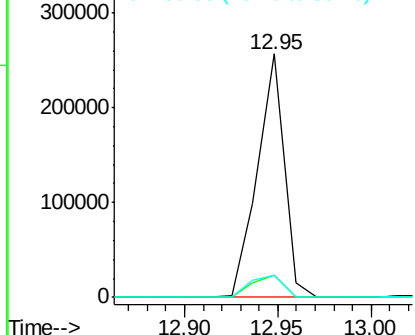
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Instrument :
BNA_F
ClientSampleId :
2

Tgt Ion:188 Resp: 255413
Ion Ratio Lower Upper
188 100
94 8.9 8.2 12.2
80 9.0 8.9 13.3

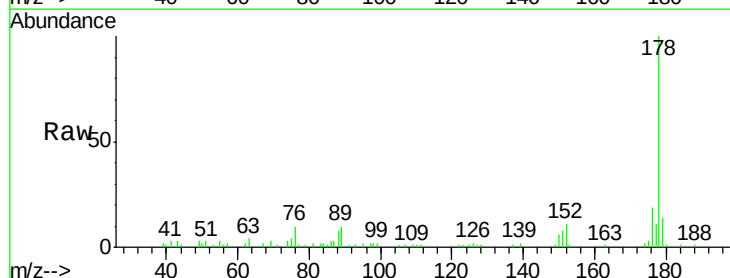


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

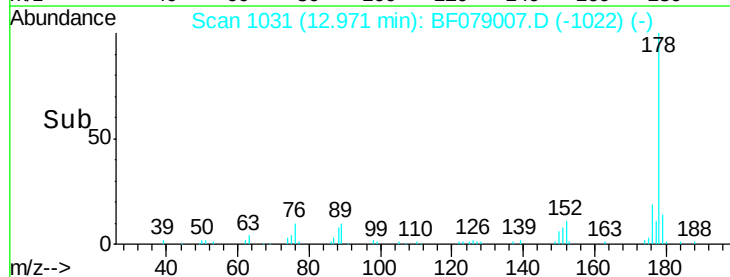
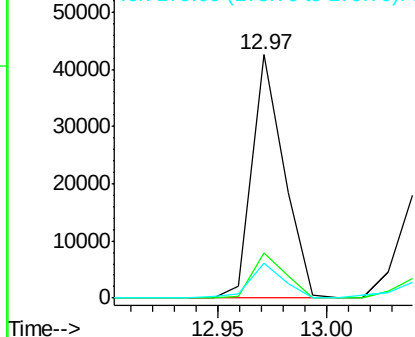


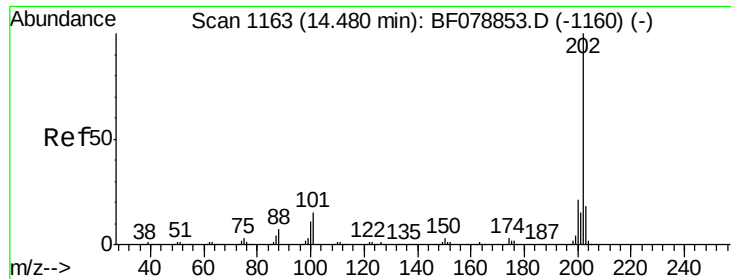
#70
Phenanthrene
Concen: 3.05 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Tgt Ion:178 Resp: 43594
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.3 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: 7.85 ng

RT: 14.46 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

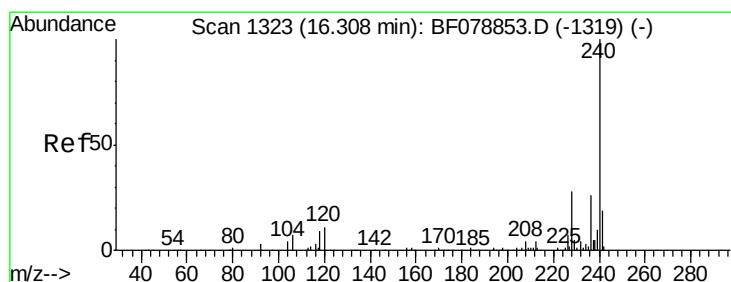
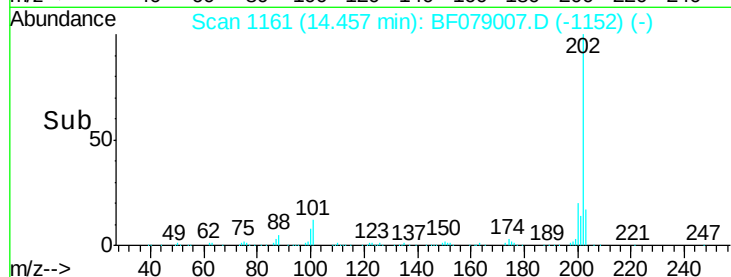
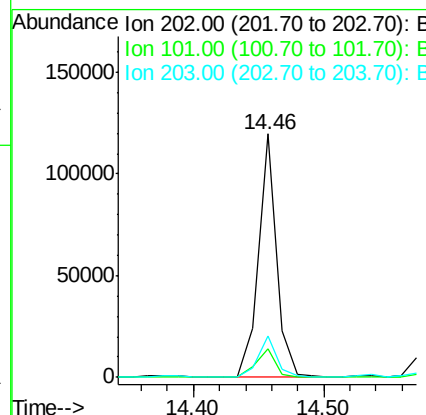
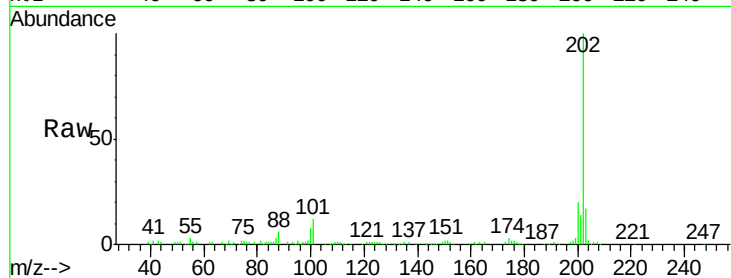
Instrument :

BNA_F

ClientSampleId :

2

Tgt Ion:	202	Resp:	116810
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.6
203	17.0	0.0	38.4



#75

Chrysene-d12

Concen: 20.00 ng

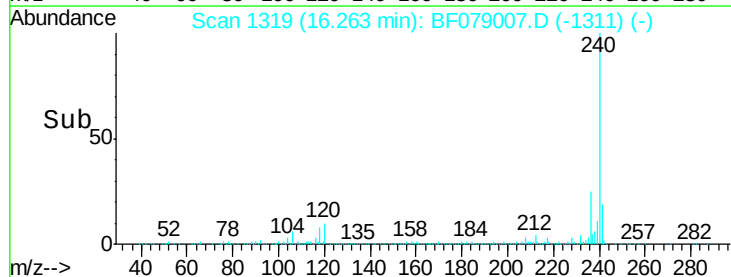
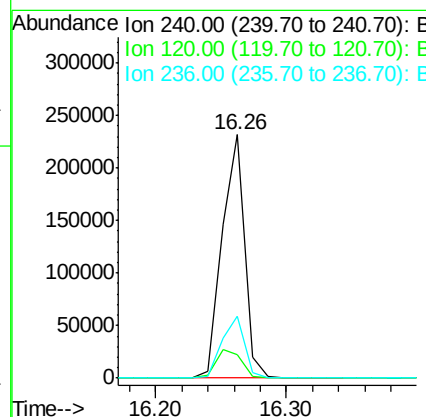
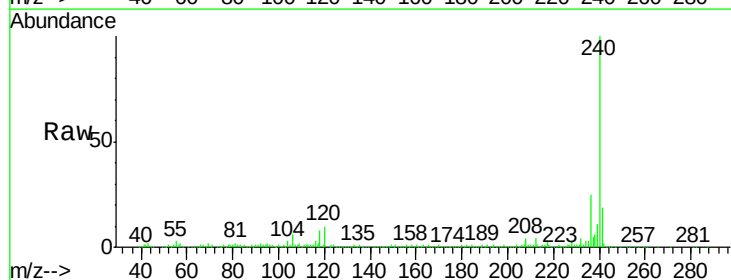
RT: 16.26 min Scan# 1319

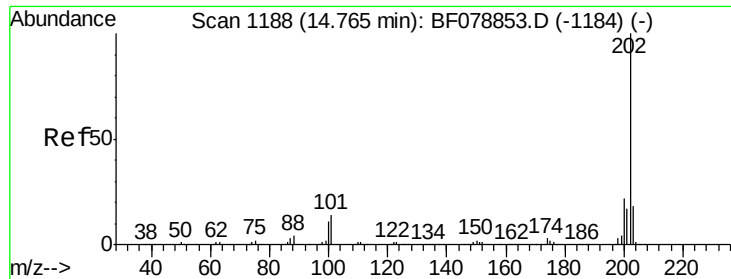
Delta R.T. -0.01 min

Lab File: BF079007.D

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Tgt Ion:	240	Resp:	281297
Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.7	14.5
236	25.3	20.2	30.4





#77

Pyrene

Concen: 6.53 ng

RT: 14.74 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Instrument :

BNA_F

ClientSampleId :

2

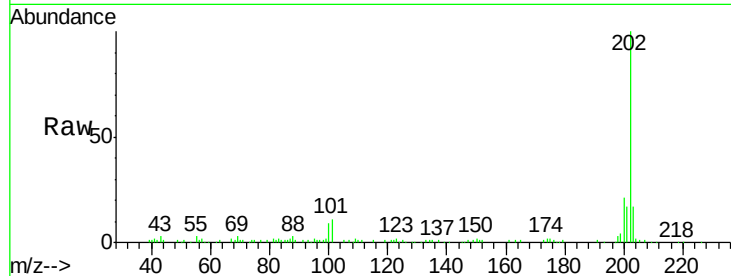
Tgt Ion: 202 Resp: 105878

Ion Ratio Lower Upper

202 100

200 21.0 17.5 26.3

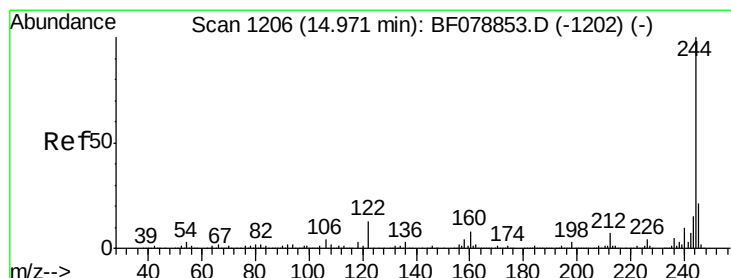
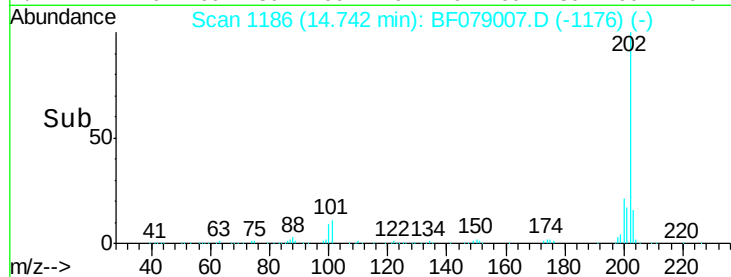
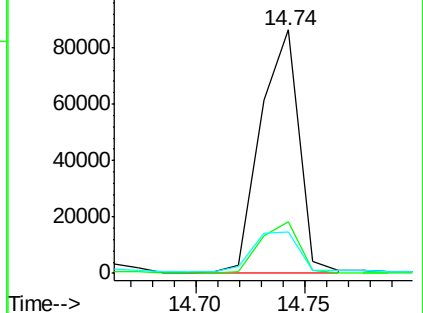
203 17.0 13.9 20.9



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: 32.90 ng

RT: 14.95 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

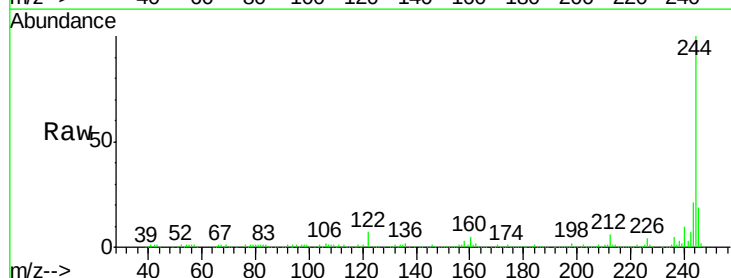
Tgt Ion: 244 Resp: 386602

Ion Ratio Lower Upper

244 100

212 6.0 5.6 8.4

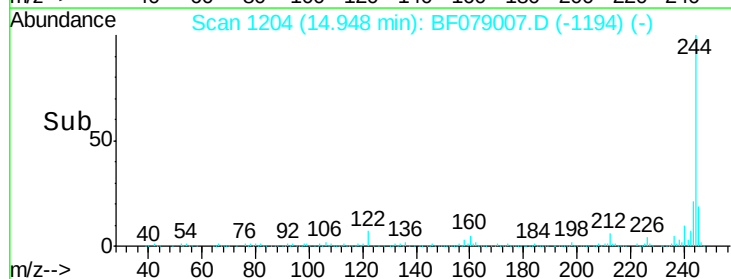
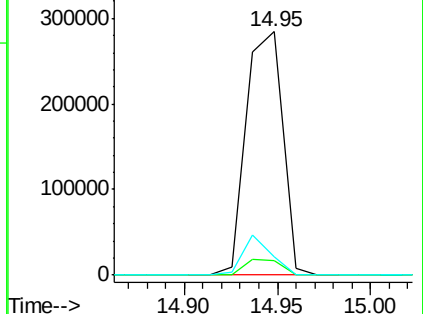
122 7.3 10.3 15.5#

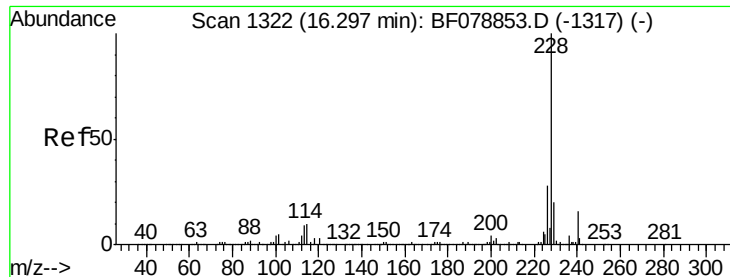


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.00 ng

RT: 16.29 min Scan# 1321

Delta R.T. 0.02 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Instrument :

BNA_F

ClientSampleId :

2

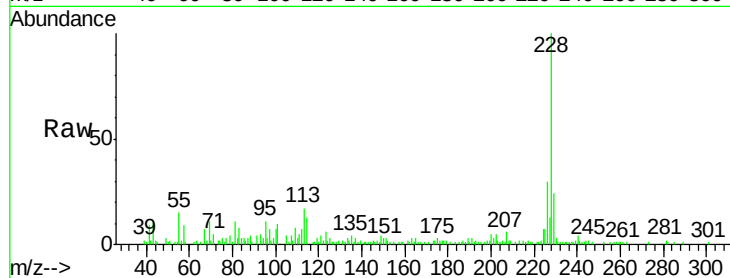
Tgt Ion:228 Resp: 61580

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

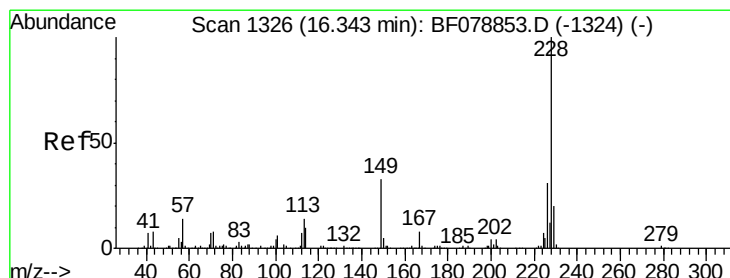
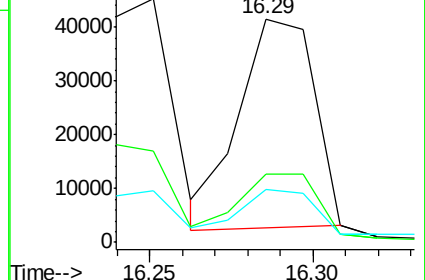
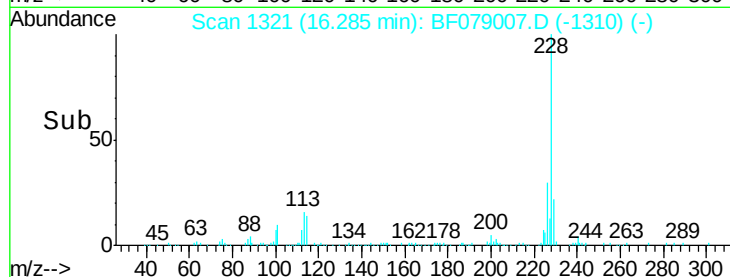
229 23.7 15.9 23.9



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



#82

Chrysene

Concen: 4.59 ng

RT: 16.29 min Scan# 1321

Delta R.T. -0.02 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

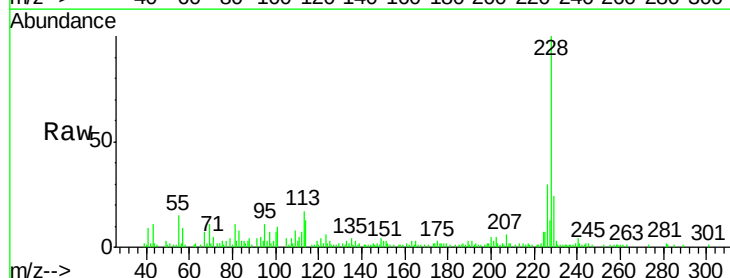
Tgt Ion:228 Resp: 67946

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

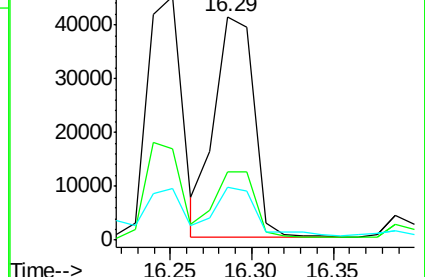
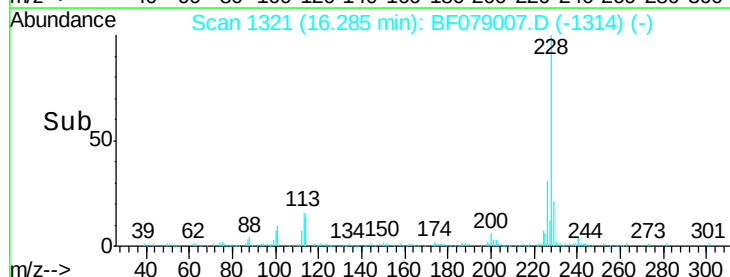
229 23.7 16.0 24.0

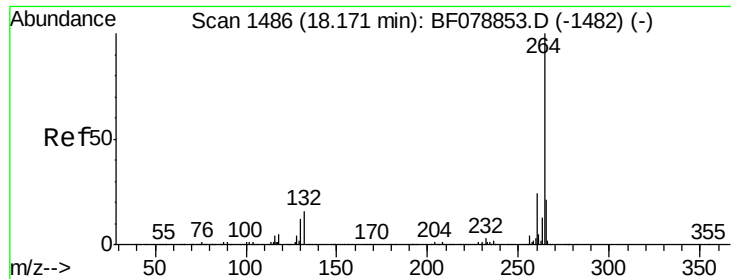


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

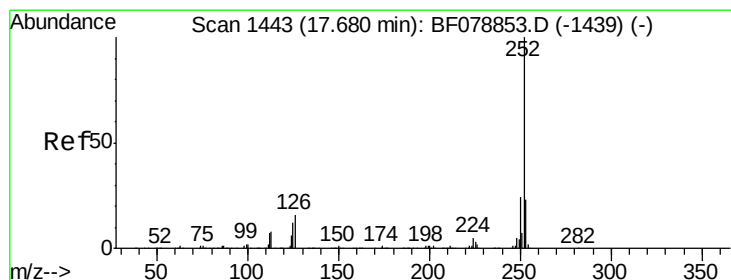
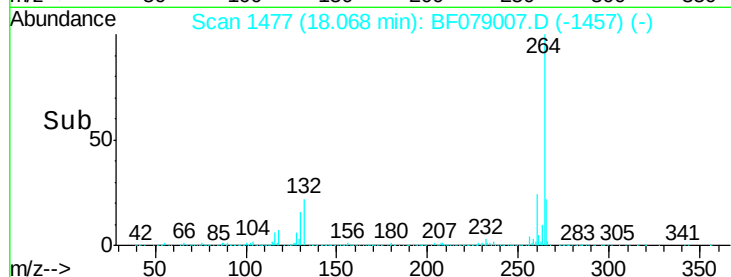
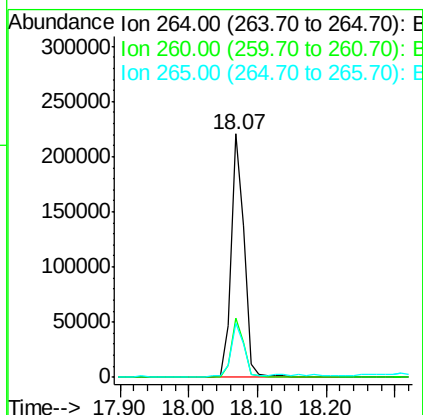
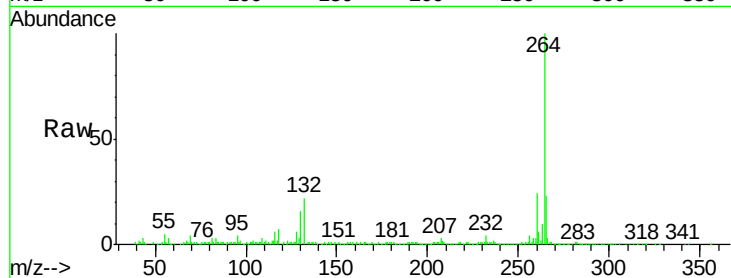




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.07 min Scan# 1477
Delta R.T. -0.07 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

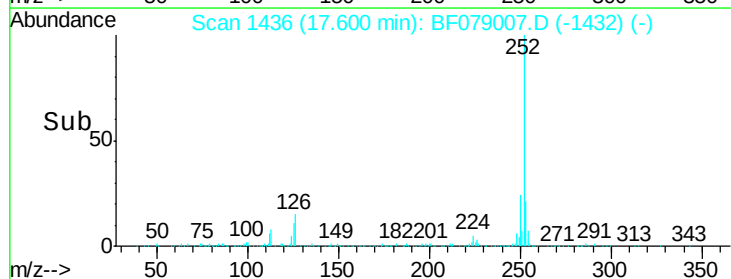
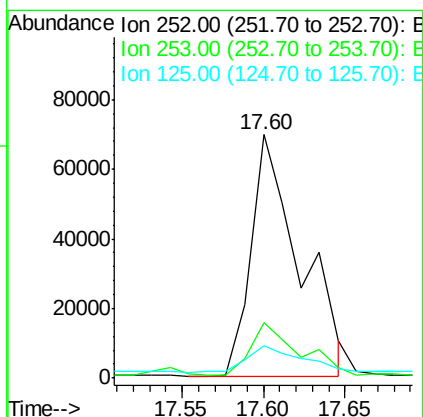
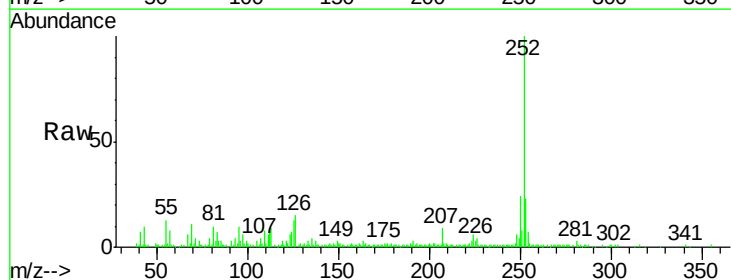
Instrument :
BNA_F
ClientSampleId :
2

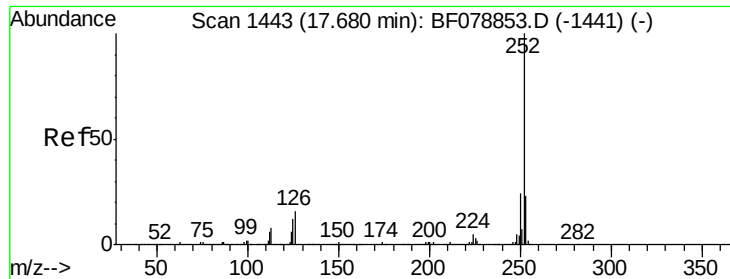
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	22.5	18.3	27.5



#87
Benzo(b)fluoranthene
Concen: 8.95 ng
RT: 17.60 min Scan# 1436
Delta R.T. -0.06 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	13.3	9.5	14.3

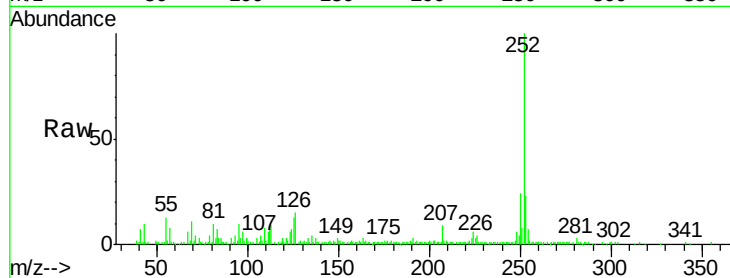




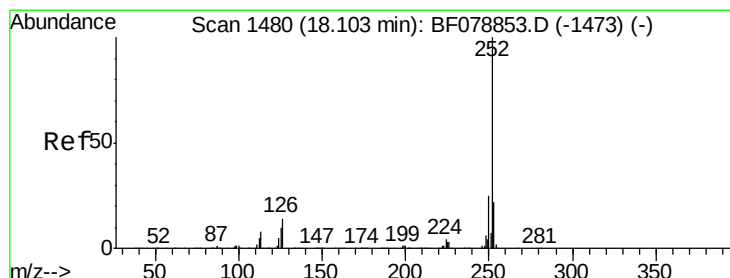
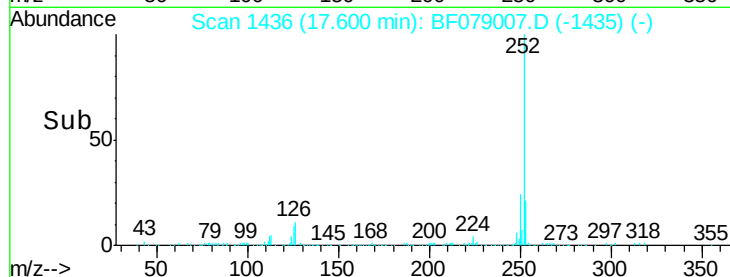
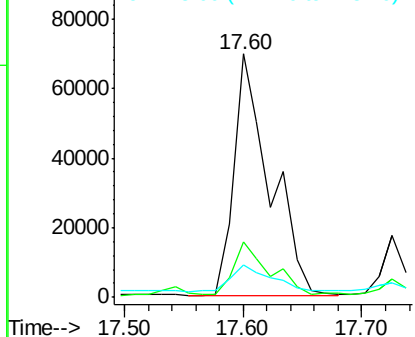
#88
Benzo(k)fluoranthene
Concen: 9.37 ng
RT: 17.60 min Scan# 1436
Delta R.T. -0.09 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Instrument :
BNA_F
ClientSampleId :
2

Tgt Ion: 252 Resp: 147032
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 13.3 10.0 15.0

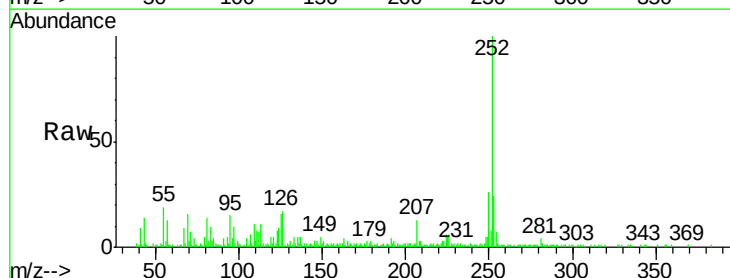


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

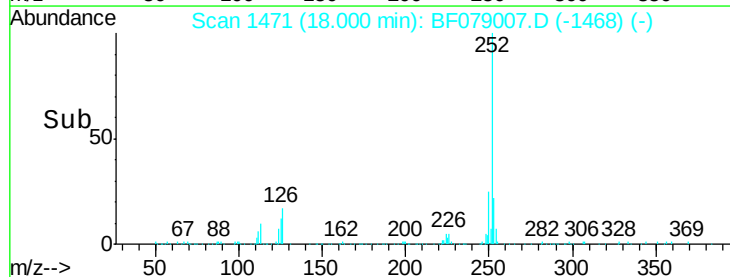
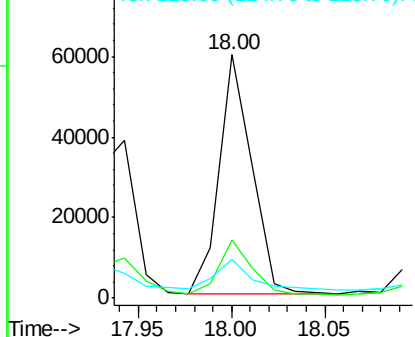


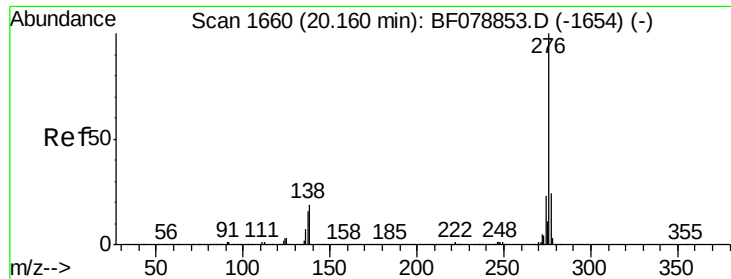
#89
Benzo(a)pyrene
Concen: 4.88 ng
RT: 18.00 min Scan# 1471
Delta R.T. -0.07 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Tgt Ion: 252 Resp: 72837
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 15.8 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: 3.10 ng

RT: 20.02 min Scan# 1648

Delta R.T. -0.08 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Instrument :

BNA_F

ClientSampleId :

2

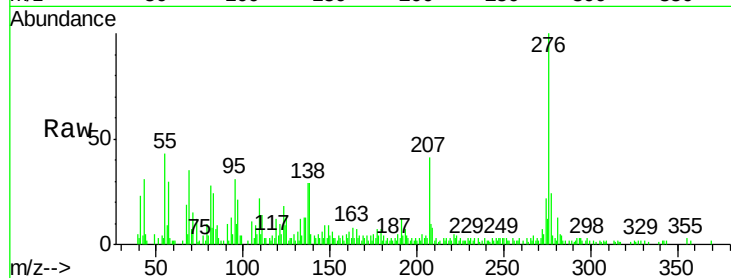
Tgt Ion: 276 Resp: 49313

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 29.0 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

