

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
 Data File : BF079205.D
 Acq On : 13 May 2015 20:43
 Operator : TP/IZ
 Sample : G2215-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-40S

Quant Time: May 14 01:18:45 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 00:58:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.23	152	60479	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	233181	20.00	ng	0.00
38) Acenaphthene-d10	10.98	164	115950	20.00	ng	0.00
63) Phenanthrene-d10	12.82	188	220461	20.00	ng	-0.01
75) Chrysene-d12	16.16	240	232032	20.00	ng	0.00
86) Perylene-d12	18.03	264	260114	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	373006	106.17	ng	0.00
7) Phenol-d6	6.80	99	509614	109.73	ng	0.00
23) Nitrobenzene-d5	7.92	82	252563	62.25	ng	-0.01
41) 2,4,6-Tribromophenol	11.97	330	133789	106.66	ng	0.00
44) 2-Fluorobiphenyl	10.16	172	545320	65.52	ng	0.00
78) Terphenyl-d14	14.82	244	617308	63.69	ng	0.00

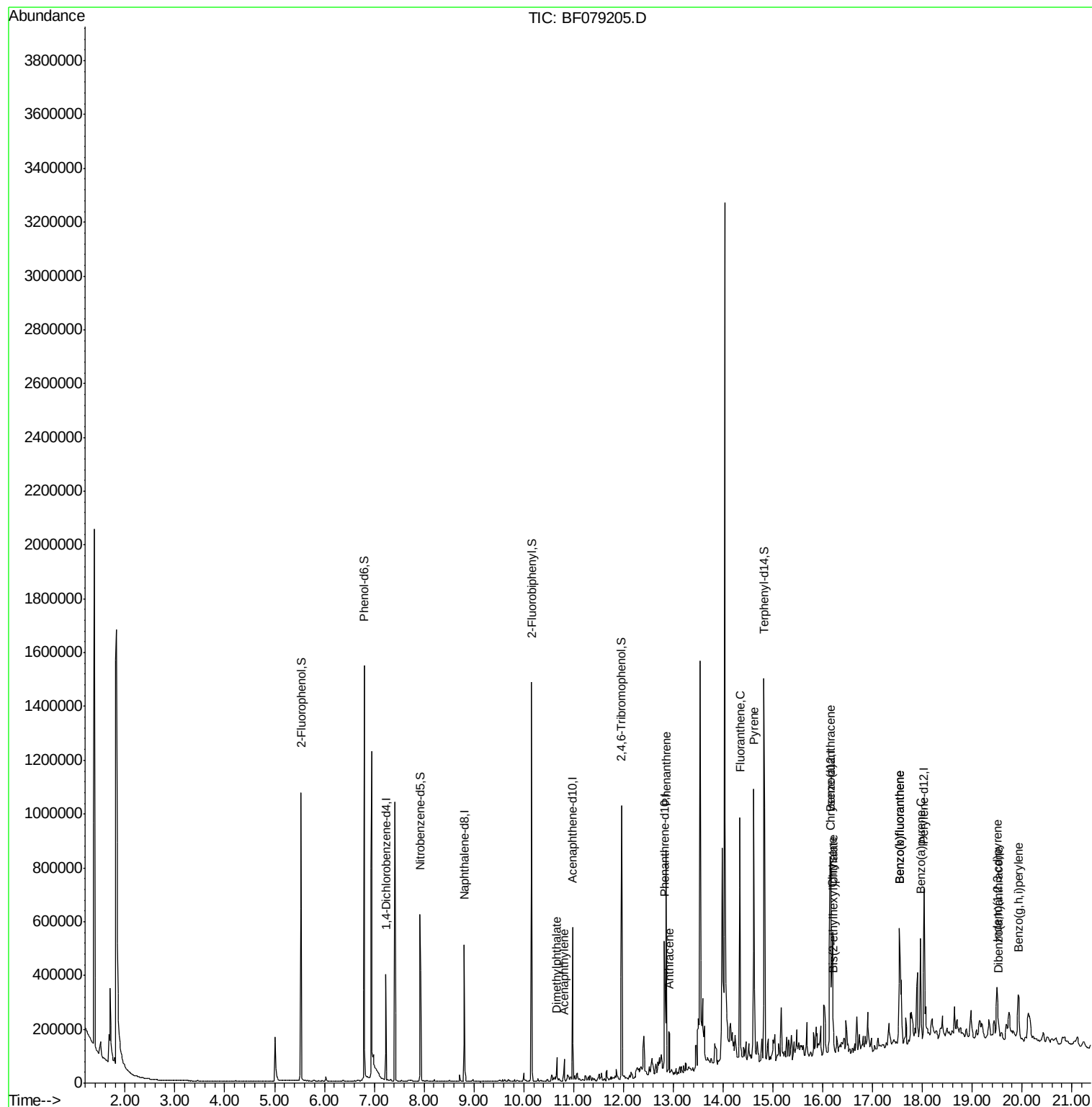
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	10.81	152	34624	2.93	ng	99
49) Dimethylphthalate	10.66	163	34792	4.09	ng	99
70) Phenanthrene	12.86	178	315436	25.58	ng	99
71) Anthracene	12.93	178	84456	6.98	ng	97
74) Fluoranthene	14.34	202	484167	37.67	ng	93
77) Pyrene	14.62	202	438538	32.80	ng	97
80) Benzo(a)anthracene	16.15	228	281128	22.12	ng	98
82) Chrysene	16.19	228	208167	17.03	ng	96
83) Bis(2-ethylhexyl)phthalate	16.21	149	30085	3.40	ng	# 94
85) Indeno(1,2,3-cd)pyrene	19.50	276	137353	8.82	ng	# 100
87) Benzo(b)fluoranthene	17.54	252	387379	27.21	ng	99
88) Benzo(k)fluoranthene	17.54	252	390553	28.34	ng	100
89) Benzo(a)pyrene	17.97	252	222827	17.00	ng	97
90) Dibenzo(a,h)anthracene	19.52	278	33729	2.42	ng	# 87
91) Benzo(g,h,i)perylene	19.93	276	127581	9.14	ng	98

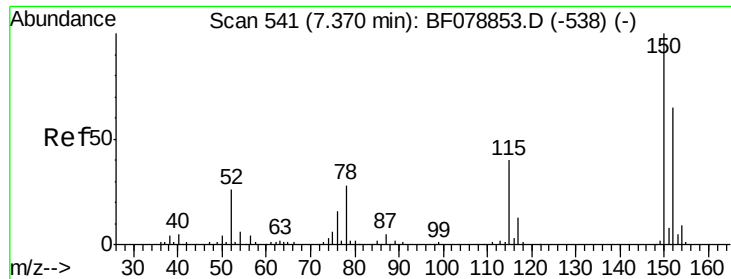
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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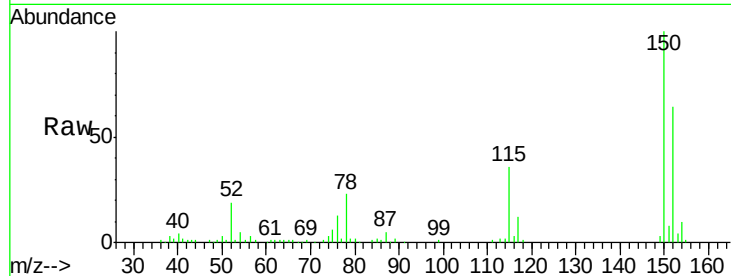




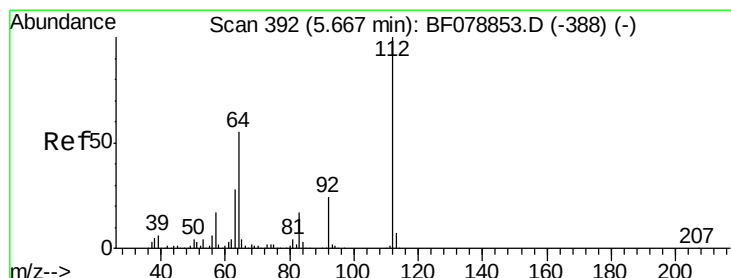
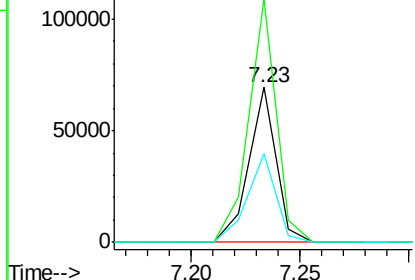
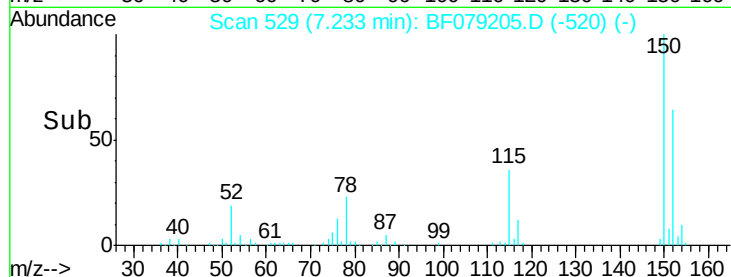
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.23 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: BF079205.D
 Acq: 13 May 2015 20:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-40S

Tgt Ion:152 Resp: 60479
 Ion Ratio Lower Upper
 152 100
 150 157.3 122.0 183.0
 115 57.4 46.3 69.5

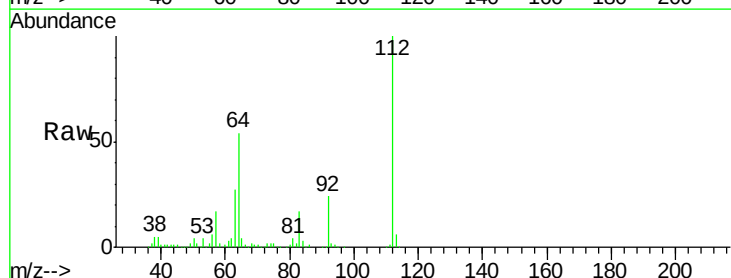


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

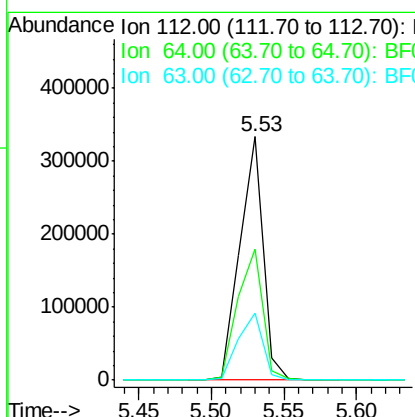
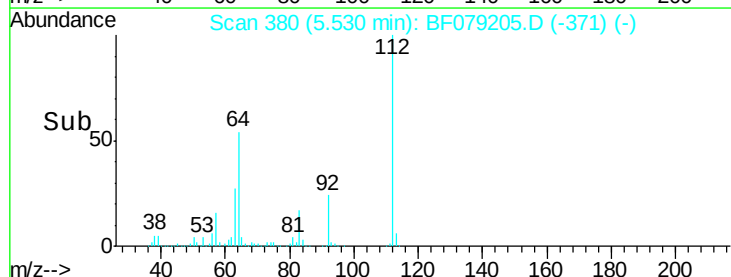


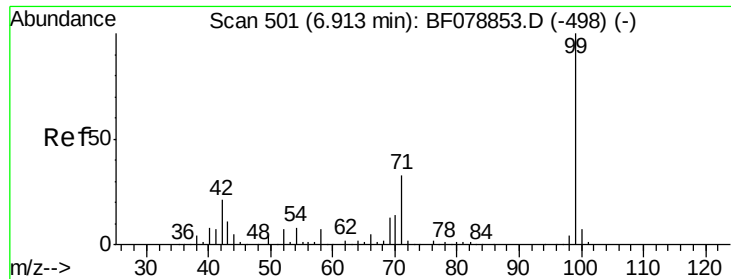
#5
 2-Fluorophenol
 Concen: 106.17 ng
 RT: 5.53 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: BF079205.D
 Acq: 13 May 2015 20:43

Tgt Ion:112 Resp: 373006
 Ion Ratio Lower Upper
 112 100
 64 53.9 53.5 80.3
 63 27.3 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: 109.73 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF079205.D

Acq: 13 May 2015 20:43

Instrument :

BNA_F

ClientSampleId :

SB-40S

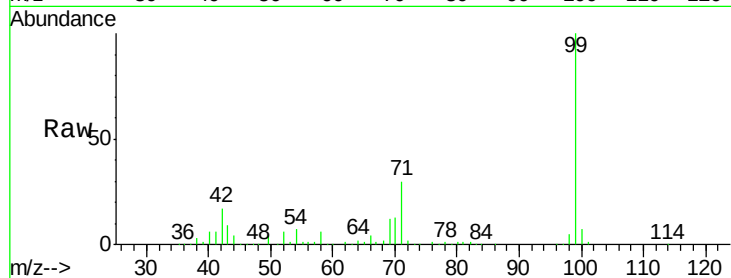
Tgt Ion: 99 Resp: 509614

Ion Ratio Lower Upper

99 100

42 16.9 12.8 19.2

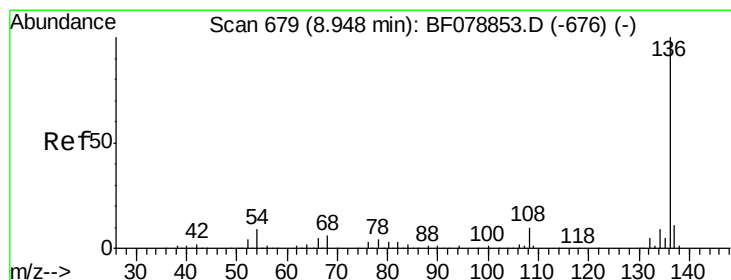
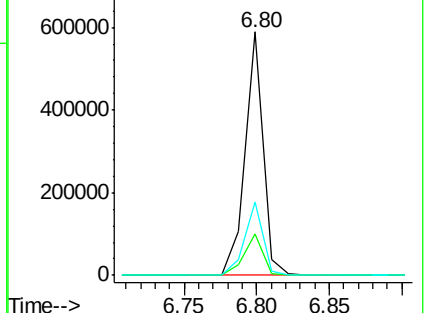
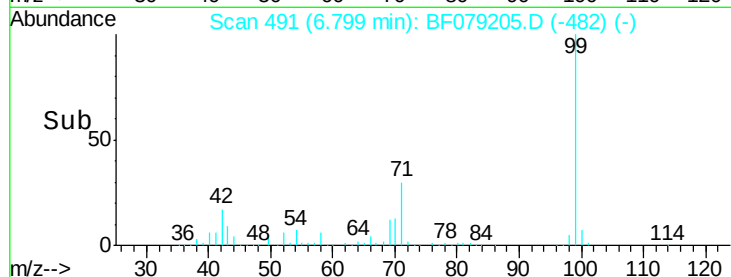
71 30.0 23.4 35.2



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: 8.81 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF079205.D

Acq: 13 May 2015 20:43

Tgt Ion: 136 Resp: 233181

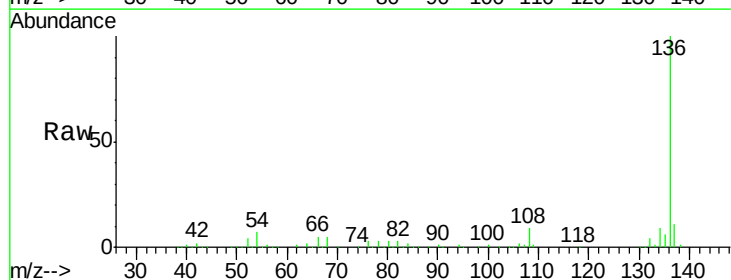
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.3 5.8 8.8

68 5.5 4.2 6.4

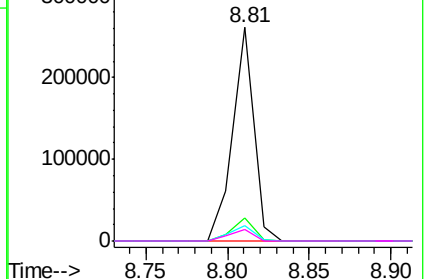
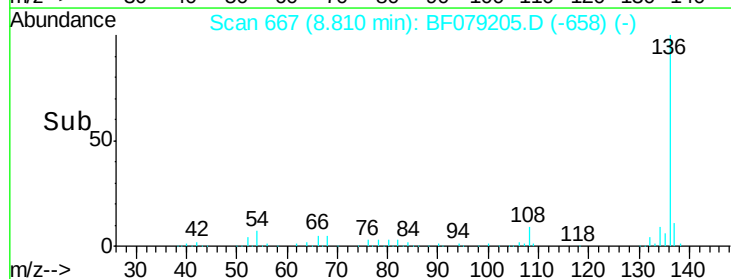


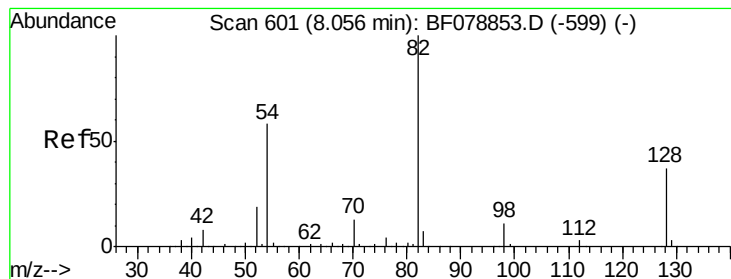
Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.25 ng

RT: 7.92 min Scan# 589

Delta R.T. -0.01 min

Lab File: BF079205.D

Acq: 13 May 2015 20:43

Instrument :

BNA_F

ClientSampled :

SB-40S

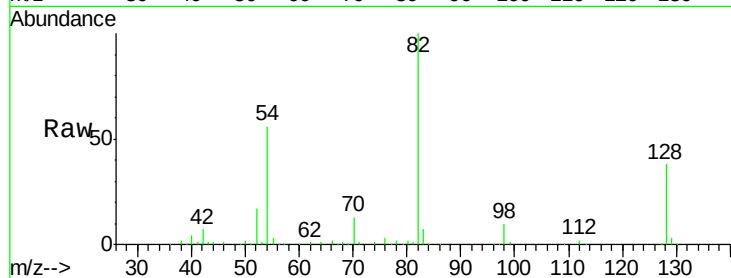
Tgt Ion: 82 Resp: 252563

Ion Ratio Lower Upper

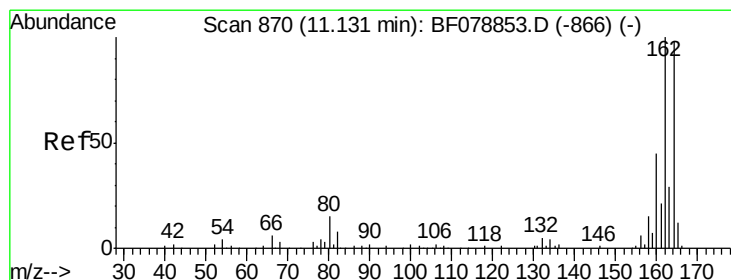
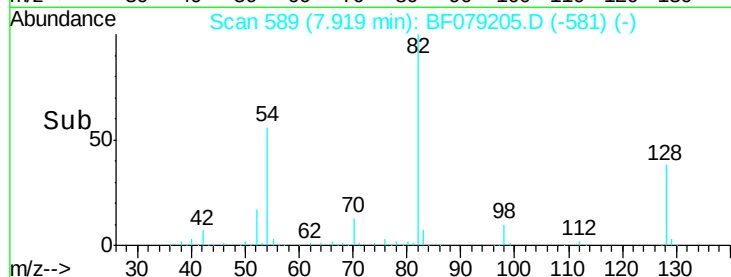
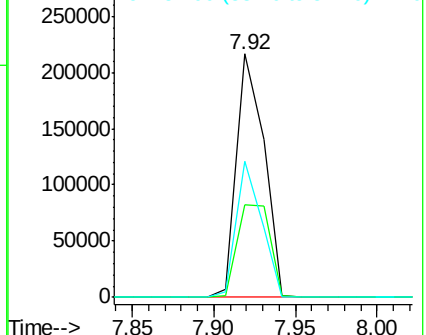
82 100

128 38.1 30.0 45.0

54 55.8 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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF079205.D

Acq: 13 May 2015 20:43

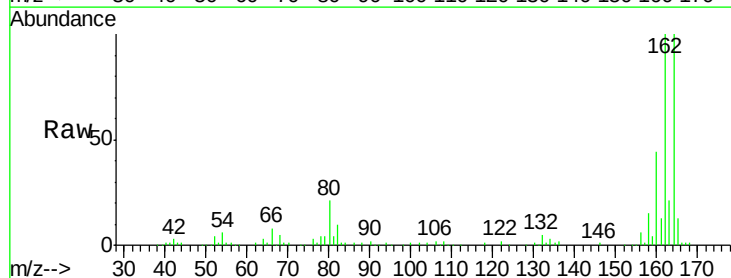
Tgt Ion: 164 Resp: 115950

Ion Ratio Lower Upper

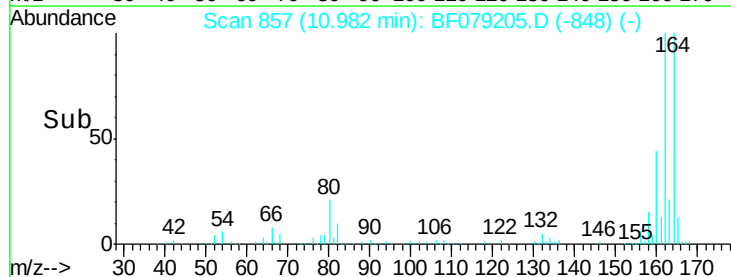
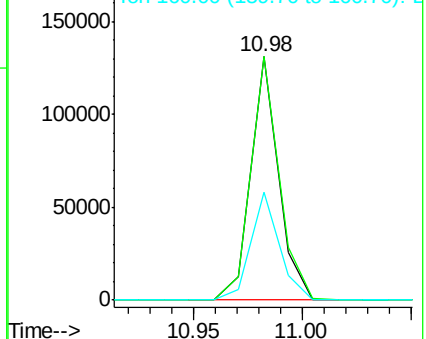
164 100

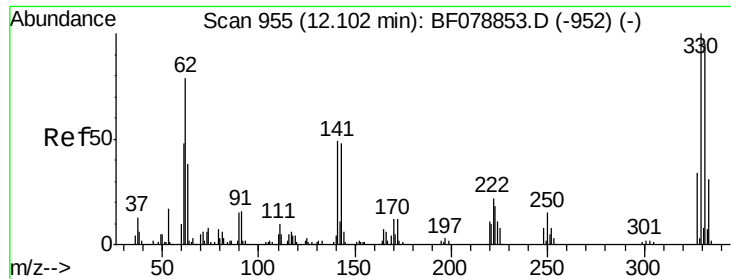
162 100.0 82.7 124.1

160 44.5 35.8 53.8



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

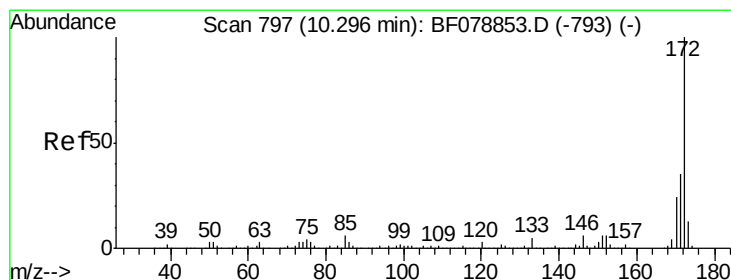
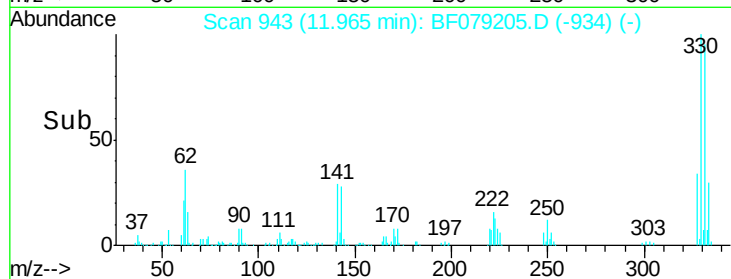
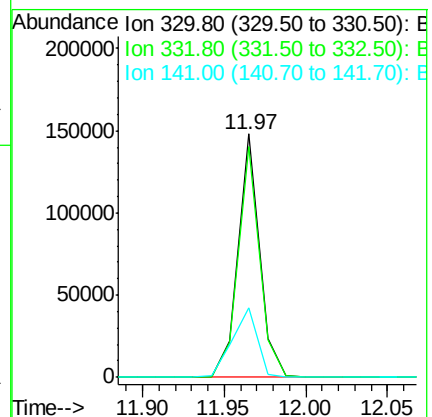
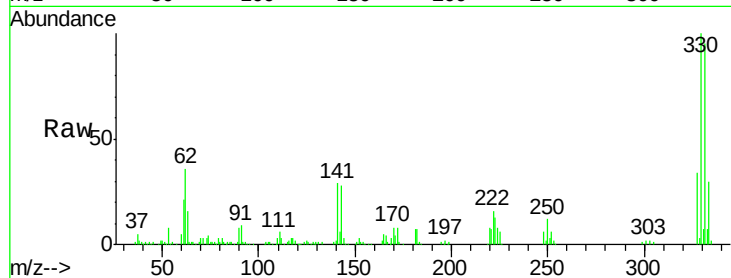




#41
 2,4,6-Tribromophenol
 Concen: 106.66 ng
 RT: 11.97 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BF079205.D
 Acq: 13 May 2015 20:43

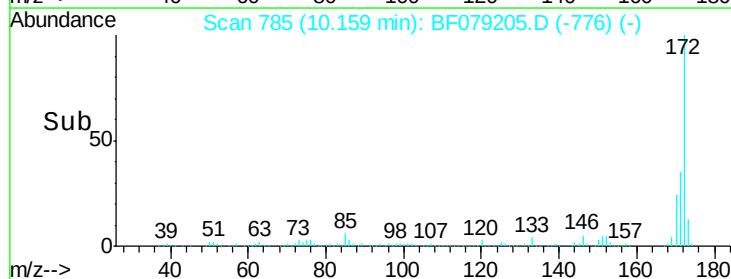
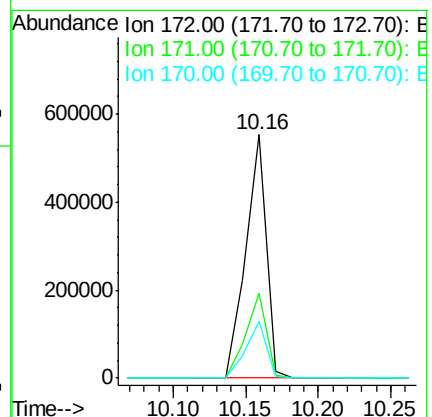
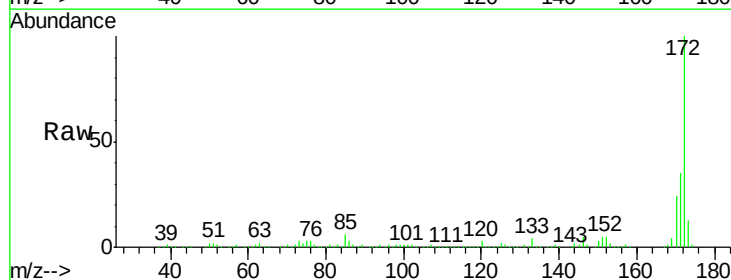
Instrument :
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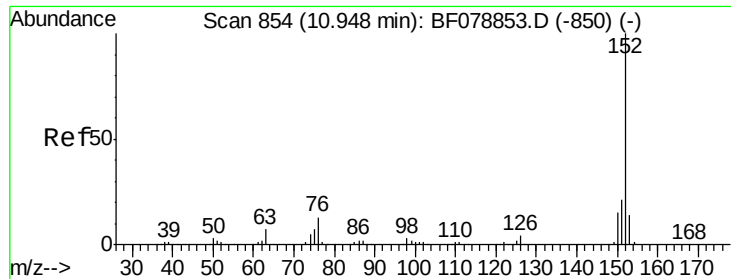
Tgt Ion:330 Resp: 133789
 Ion Ratio Lower Upper
 330 100
 332 95.3 0.0 0.0#
 141 33.7 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 65.52 ng
 RT: 10.16 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF079205.D
 Acq: 13 May 2015 20:43

Tgt Ion:172 Resp: 545320
 Ion Ratio Lower Upper
 172 100
 171 34.7 27.9 41.9
 170 23.5 19.4 29.0

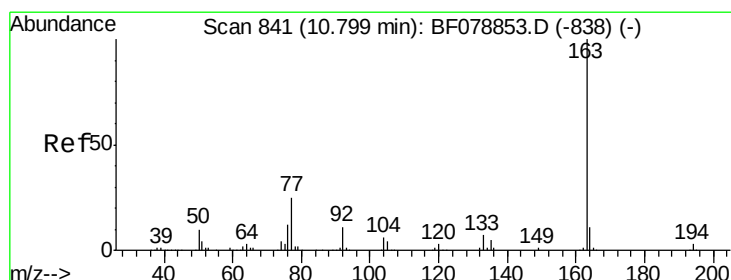
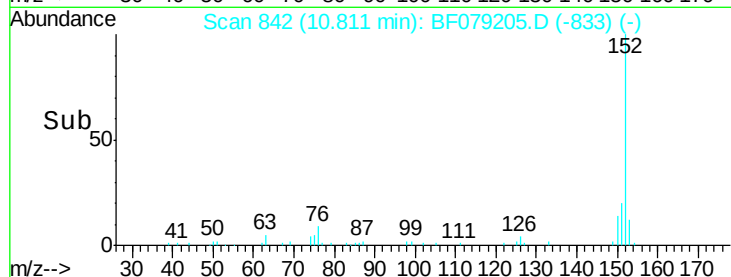
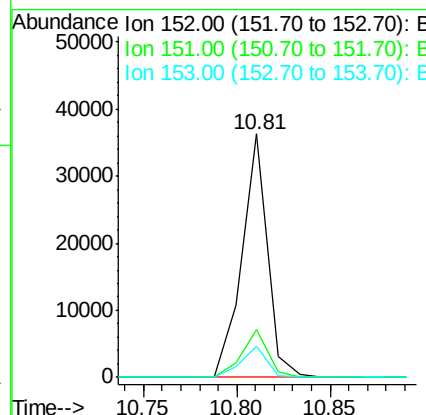
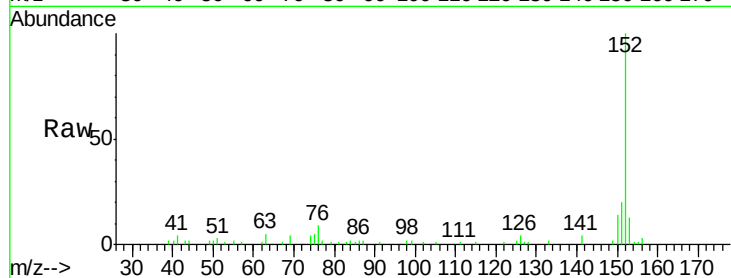




#48
 Acenaphthylene
 Concen: 2.93 ng
 RT: 10.81 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF079205.D
 Acq: 13 May 2015 20:43

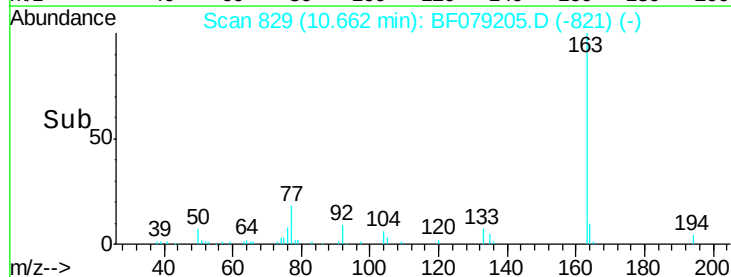
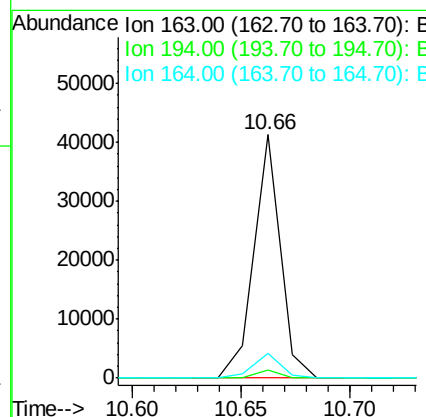
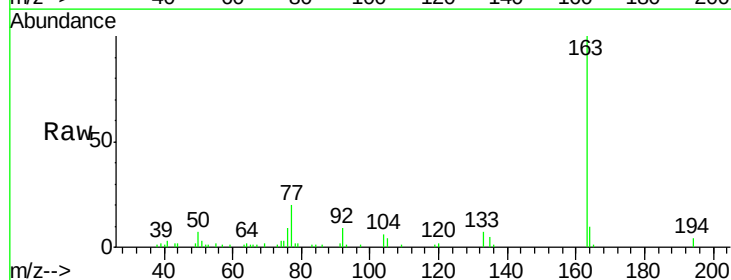
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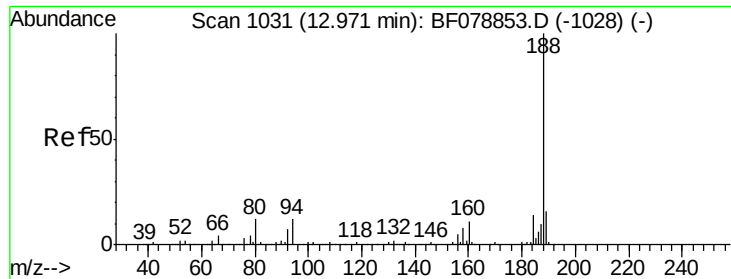
Tgt Ion:152 Resp: 34624
 Ion Ratio Lower Upper
 152 100
 151 19.7 16.2 24.4
 153 13.0 10.9 16.3



#49
 Dimethylphthalate
 Concen: 4.09 ng
 RT: 10.66 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF079205.D
 Acq: 13 May 2015 20:43

Tgt Ion:163 Resp: 34792
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.6 4.0
 164 10.4 8.1 12.1

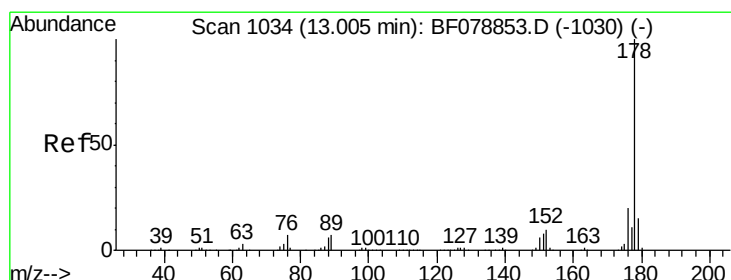
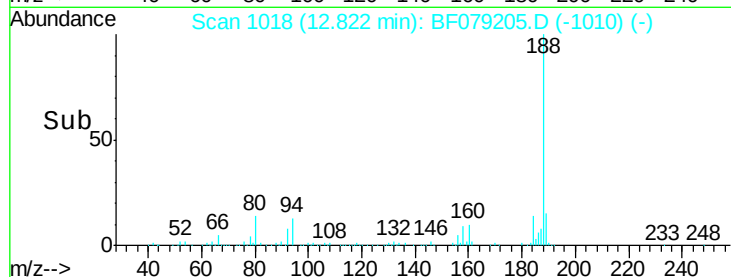
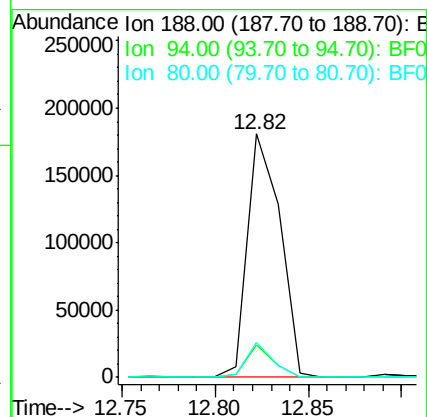
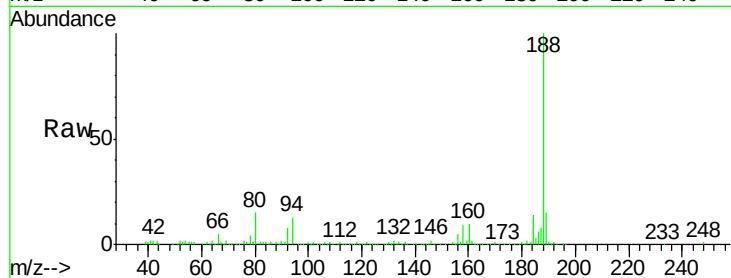




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF079205.D
Acq: 13 May 2015 20:43

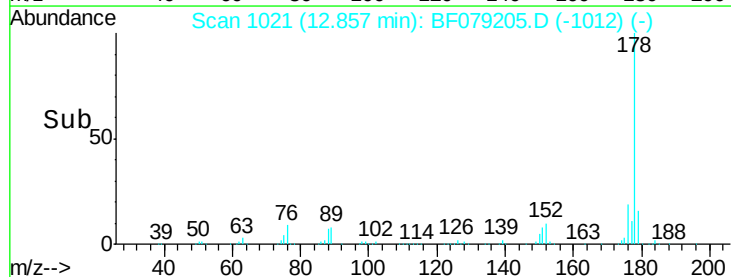
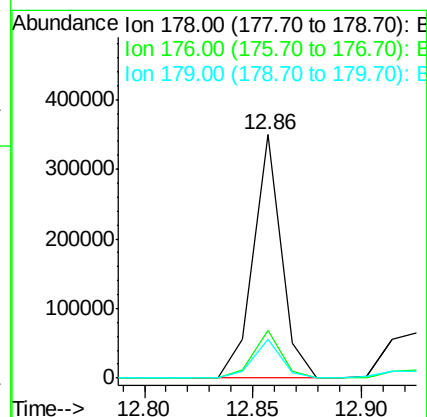
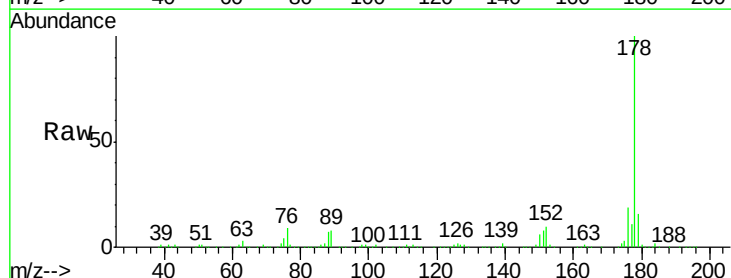
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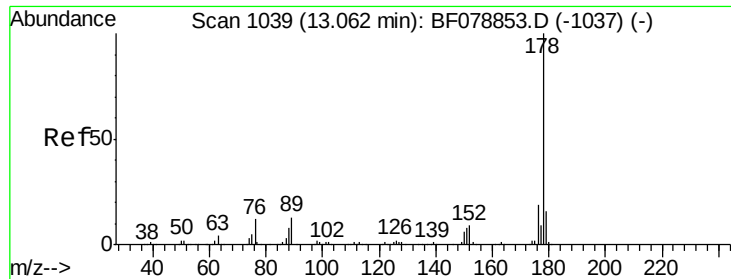
Tgt Ion:188 Resp: 220461
Ion Ratio Lower Upper
188 100
94 13.5 8.2 12.2#
80 14.6 8.9 13.3#



#70
Phenanthrene
Concen: 25.58 ng
RT: 12.86 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF079205.D
Acq: 13 May 2015 20:43

Tgt Ion:178 Resp: 315436
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.8 12.5 18.7

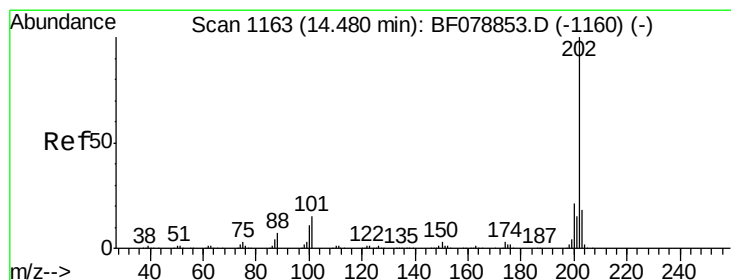
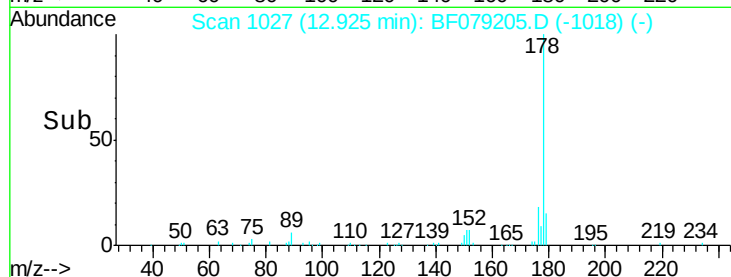
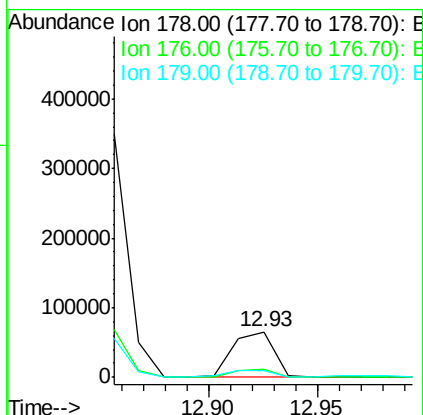
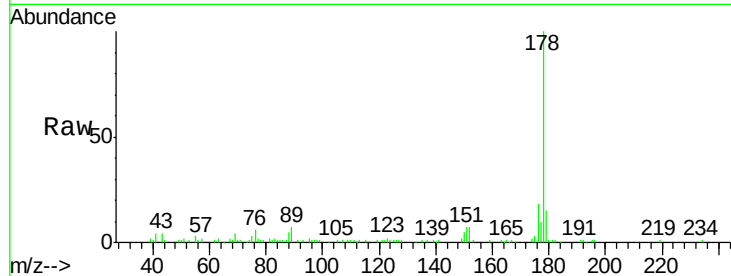




#71
 Anthracene
 Concen: 6.98 ng
 RT: 12.93 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BF079205.D
 Acq: 13 May 2015 20:43

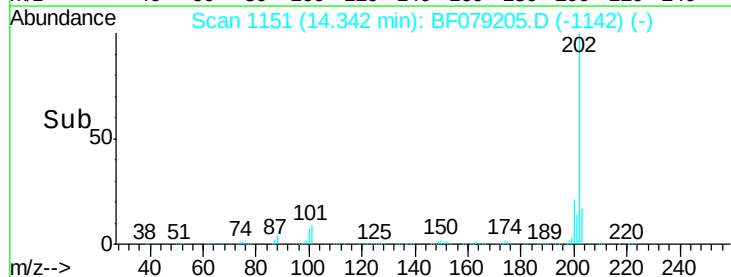
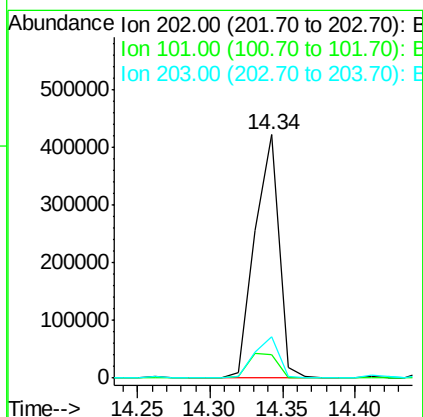
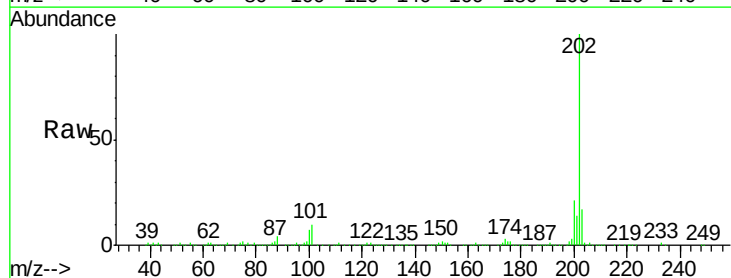
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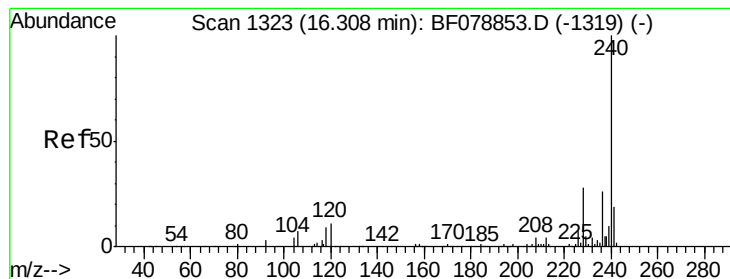
Tgt Ion:178 Resp: 84456
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.5 23.3
 179 15.4 12.7 19.1



#74
 Fluoranthene
 Concen: 37.67 ng
 RT: 14.34 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: BF079205.D
 Acq: 13 May 2015 20:43

Tgt Ion:202 Resp: 484167
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 34.6
 203 17.0 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.16 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BF079205.D

Acq: 13 May 2015 20:43

Instrument :

BNA_F

ClientSampleId :

SB-40S

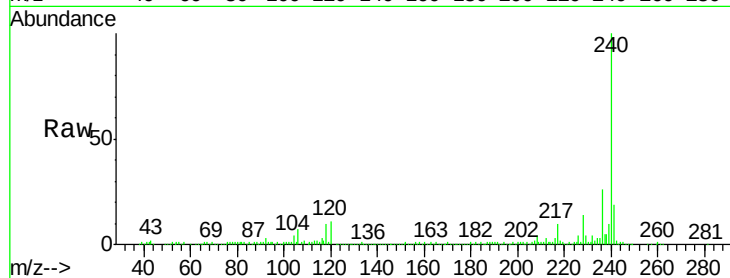
Tgt Ion:240 Resp: 232032

Ion Ratio Lower Upper

240 100

120 11.2 9.7 14.5

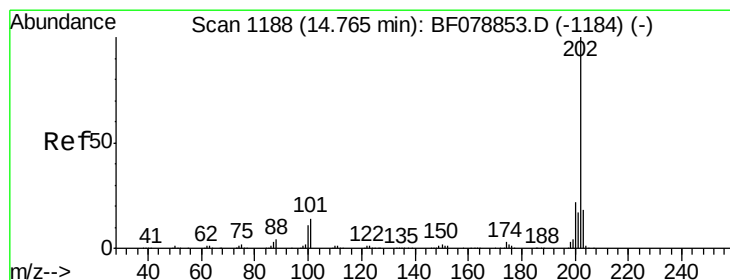
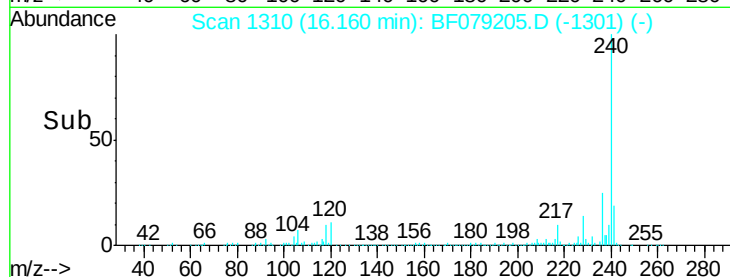
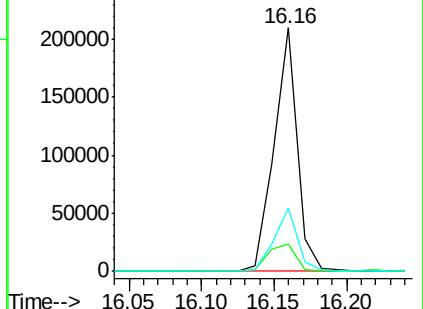
236 25.8 20.2 30.4



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: 32.80 ng

RT: 14.62 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BF079205.D

Acq: 13 May 2015 20:43

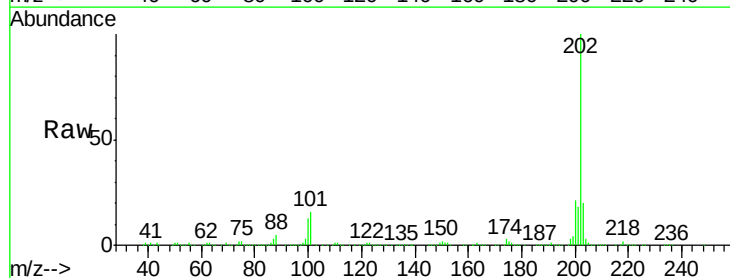
Tgt Ion:202 Resp: 438538

Ion Ratio Lower Upper

202 100

200 21.1 17.5 26.3

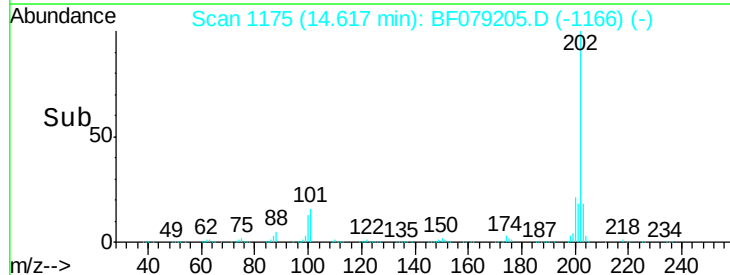
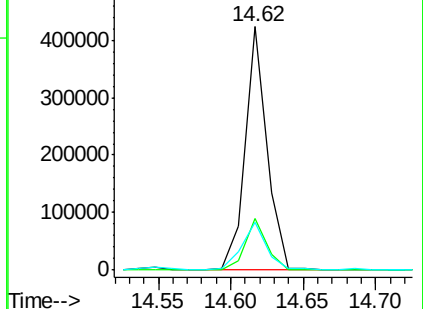
203 19.8 13.9 20.9

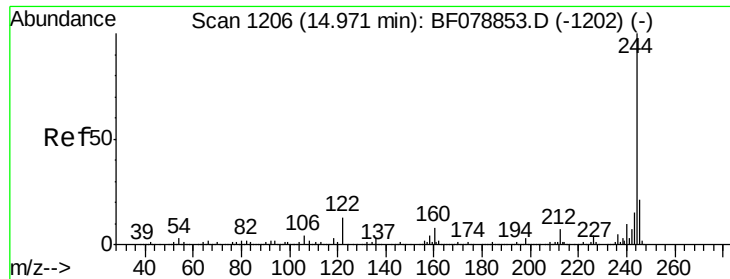


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.69 ng

RT: 14.82 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BF079205.D

Acq: 13 May 2015 20:43

Instrument :

BNA_F

ClientSampleId :

SB-40S

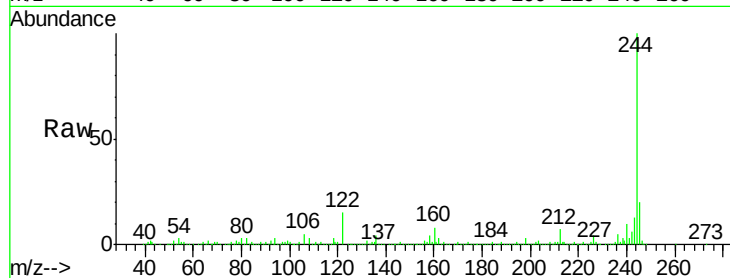
Tgt Ion:244 Resp: 617308

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

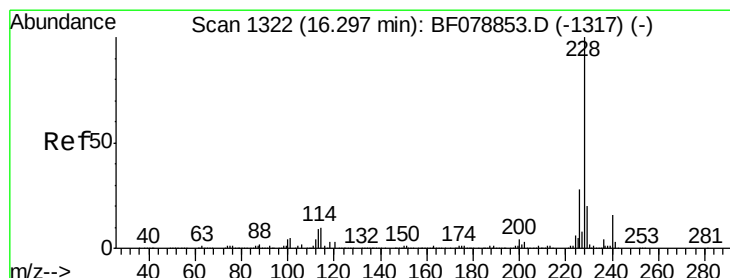
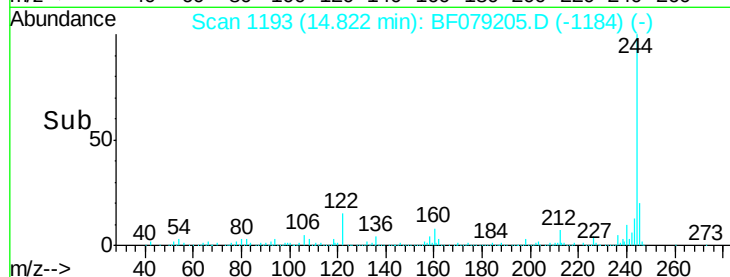
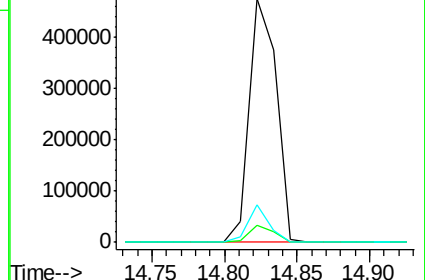
122 15.4 10.3 15.5



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: 22.12 ng

RT: 16.15 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF079205.D

Acq: 13 May 2015 20:43

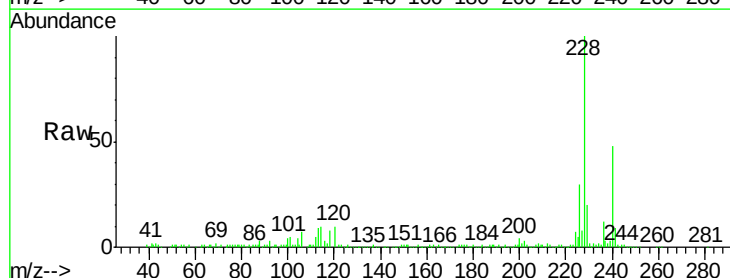
Tgt Ion:228 Resp: 281128

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

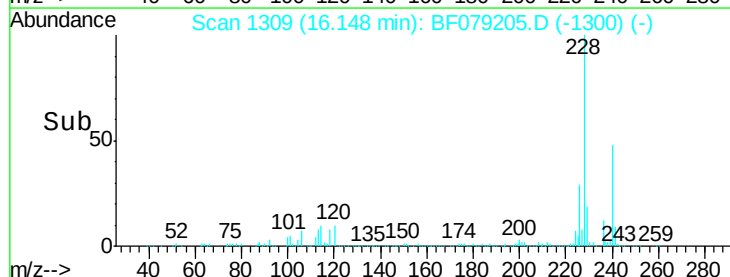
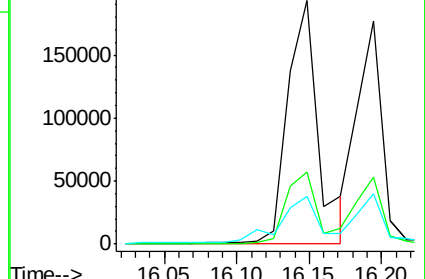
229 19.7 15.9 23.9

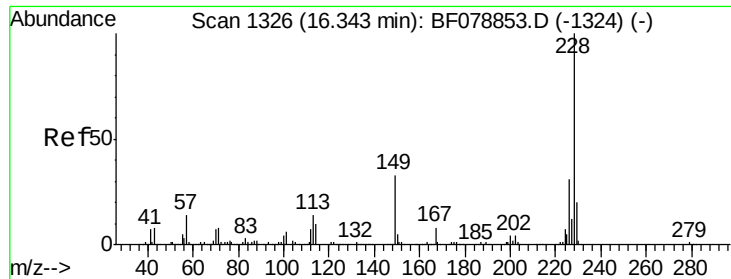


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 17.03 ng

RT: 16.19 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BF079205.D

Acq: 13 May 2015 20:43

Instrument :

BNA_F

ClientSampleId :

SB-40S

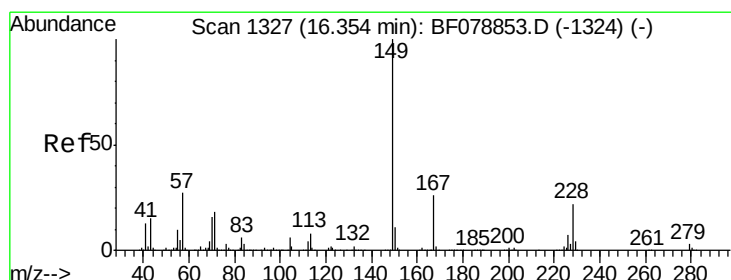
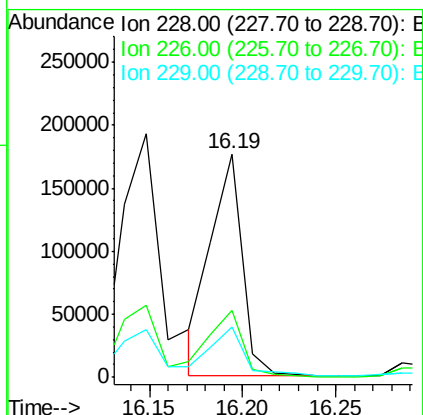
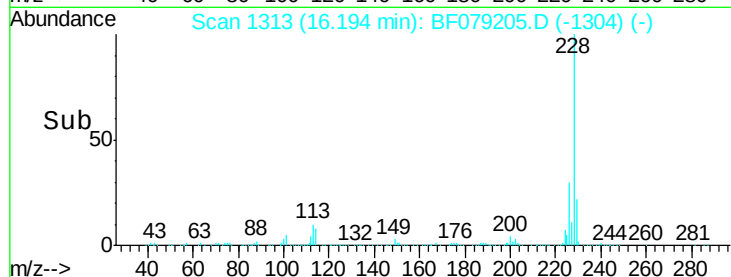
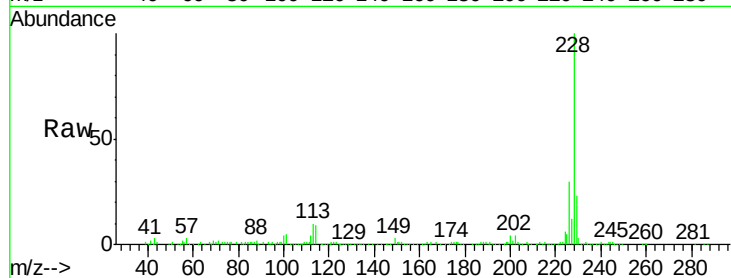
Tgt Ion:228 Resp: 208167

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

229 22.6 16.0 24.0



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.40 ng

RT: 16.21 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF079205.D

Acq: 13 May 2015 20:43

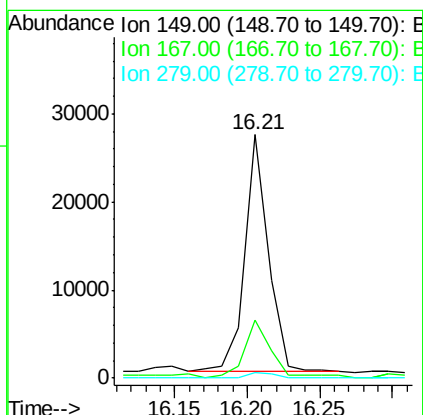
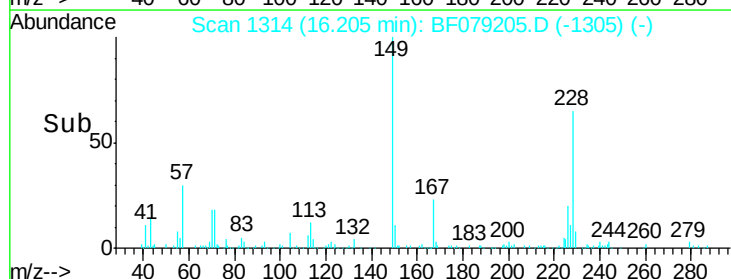
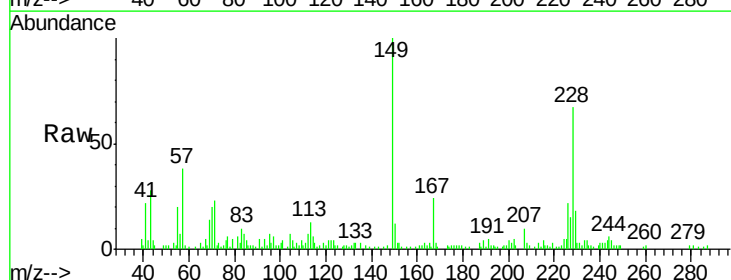
Tgt Ion:149 Resp: 30085

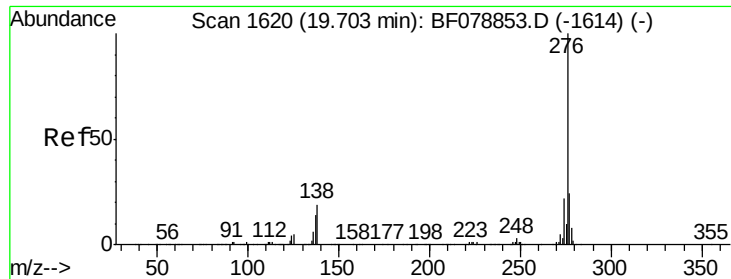
Ion Ratio Lower Upper

149 100

167 23.9 21.8 32.8

279 2.4 2.9 4.3#

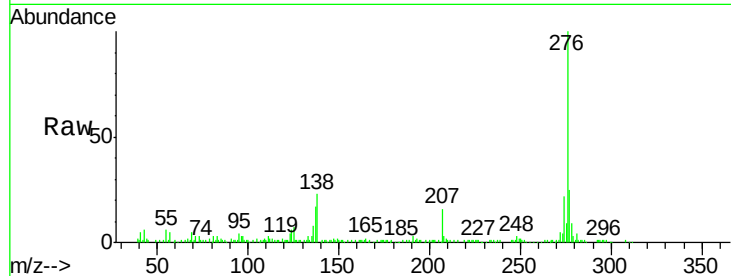




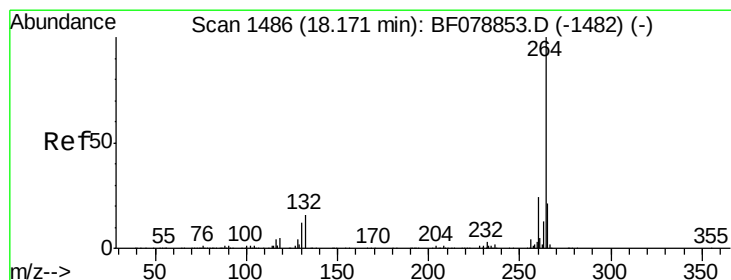
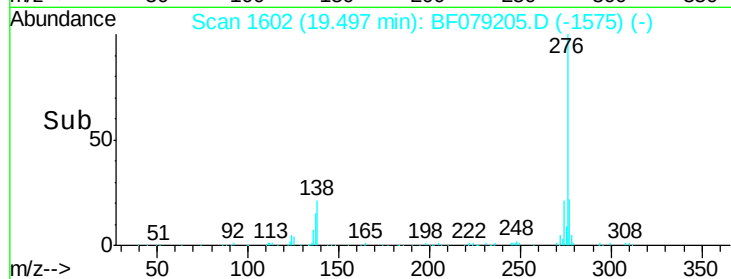
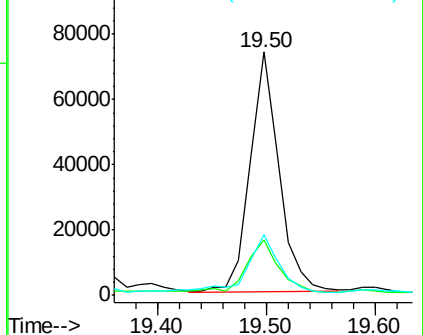
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.82 ng
 RT: 19.50 min Scan# 1602
 Delta R.T. 0.01 min
 Lab File: BF079205.D
 Acq: 13 May 2015 20:43

Instrument :
 BNA_F
 ClientSampled :
 SB-40S

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	0.0	0.0#
277	28.1	0.0	0.0#

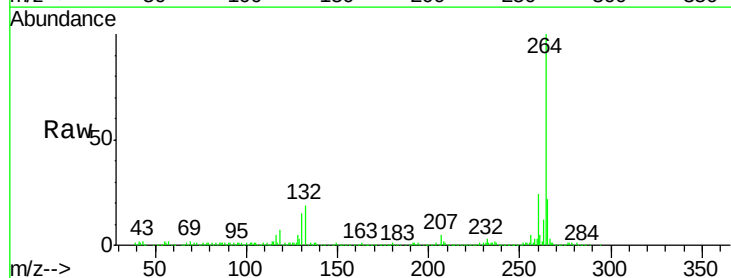


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

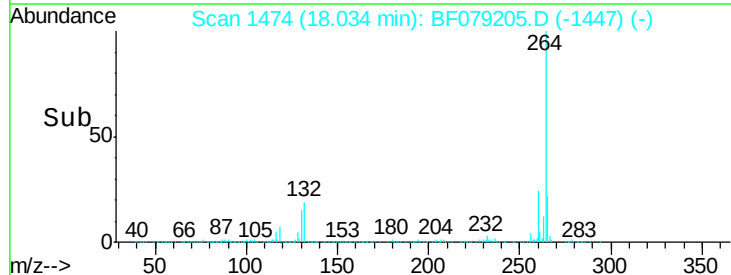
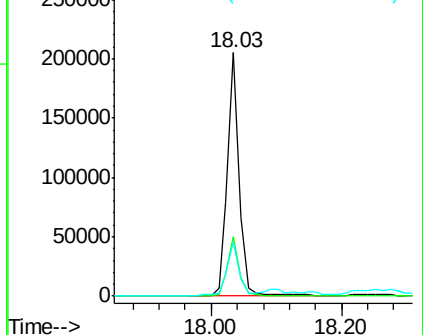


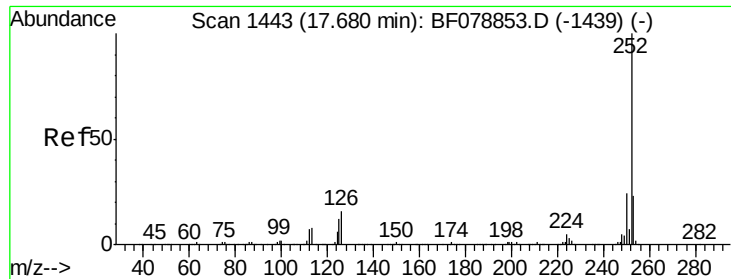
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.03 min Scan# 1474
 Delta R.T. 0.01 min
 Lab File: BF079205.D
 Acq: 13 May 2015 20:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	22.2	18.3	27.5



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

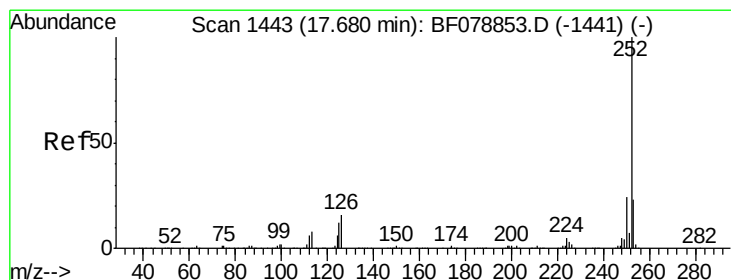
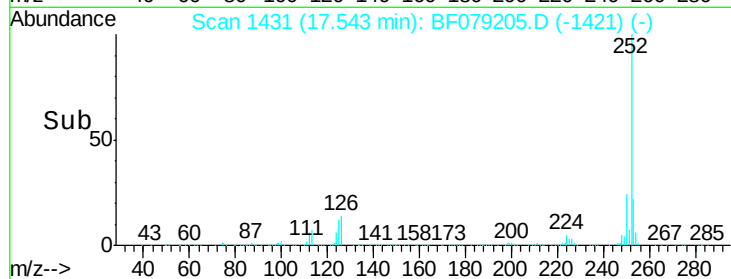
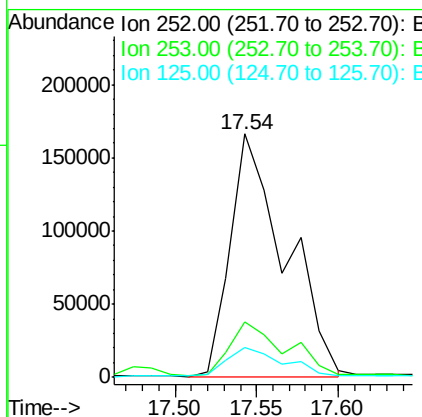
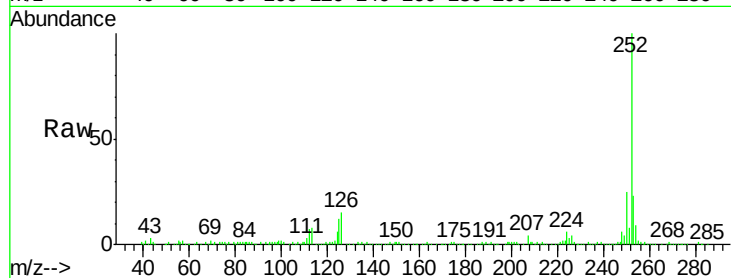




#87
Benzo(b)fluoranthene
Concen: 27.21 ng
RT: 17.54 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BF079205.D
Acq: 13 May 2015 20:43

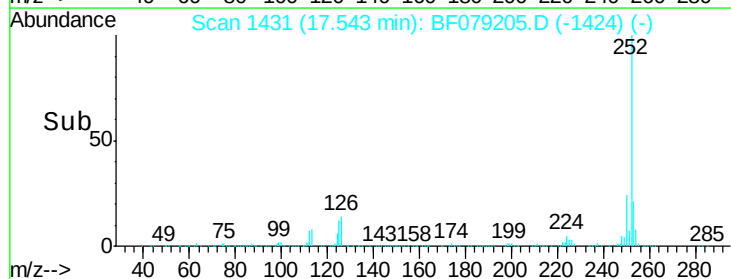
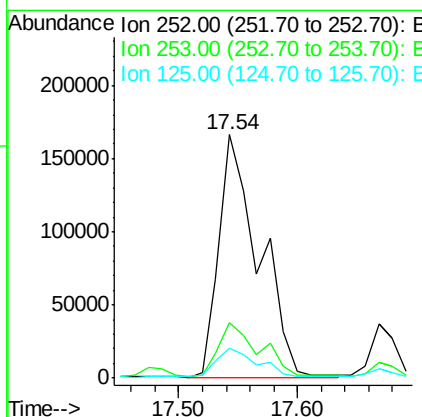
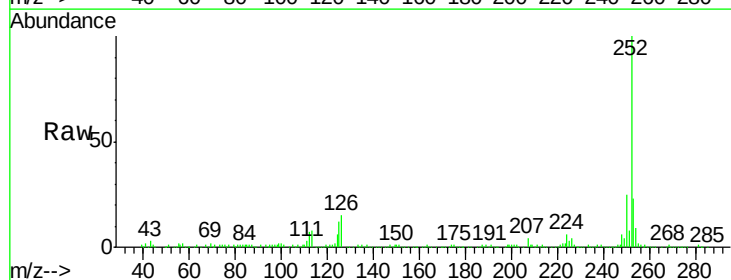
Instrument :
BNA_F
ClientSampleId :
SB-40S

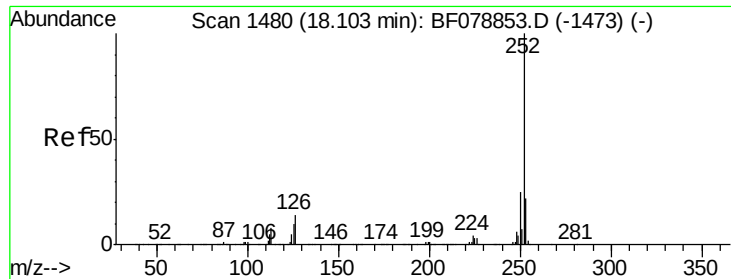
Tgt Ion:252 Resp: 387379
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 12.3 9.5 14.3



#88
Benzo(k)fluoranthene
Concen: 28.34 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF079205.D
Acq: 13 May 2015 20:43

Tgt Ion:252 Resp: 390553
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 12.3 10.0 15.0





#89

Benzo(a)pyrene

Concen: 17.00 ng

RT: 17.97 min Scan# 1468

Delta R.T. 0.01 min

Lab File: BF079205.D

Acq: 13 May 2015 20:43

Instrument :

BNA_F

ClientSampleId :

SB-40S

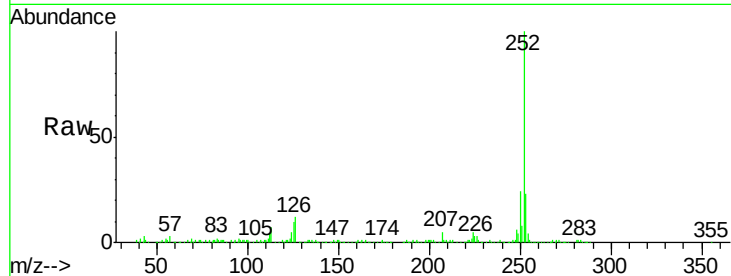
Tgt Ion:252 Resp: 222827

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

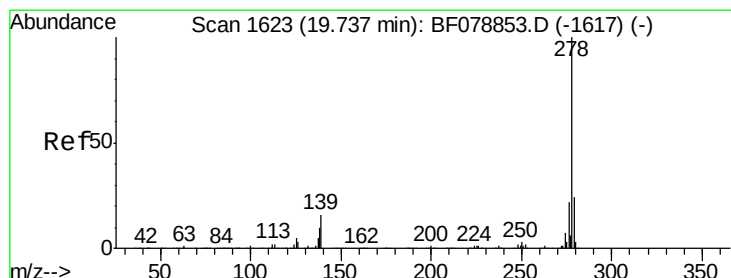
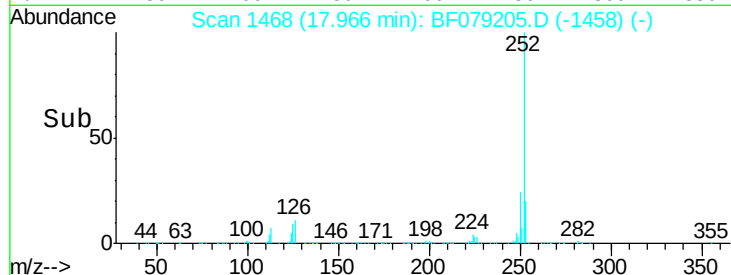
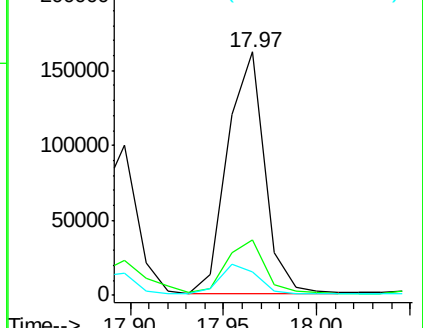
125 9.8 7.0 10.6



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



#90

Dibenzo(a,h)anthracene

Concen: 2.42 ng

RT: 19.52 min Scan# 1604

Delta R.T. 0.01 min

Lab File: BF079205.D

Acq: 13 May 2015 20:43

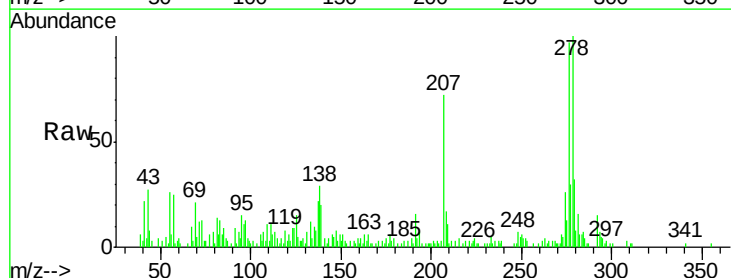
Tgt Ion:278 Resp: 33729

Ion Ratio Lower Upper

278 100

139 19.6 12.8 19.2#

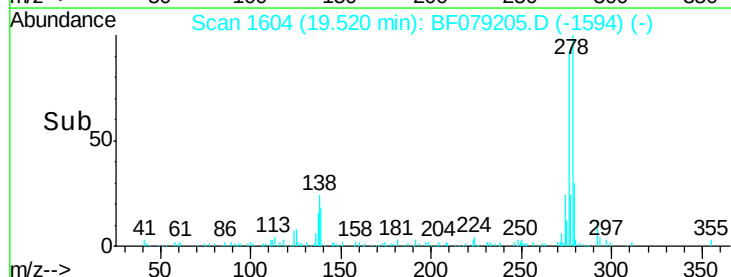
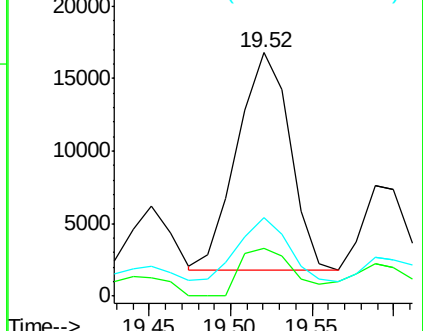
279 32.4 19.6 29.4#

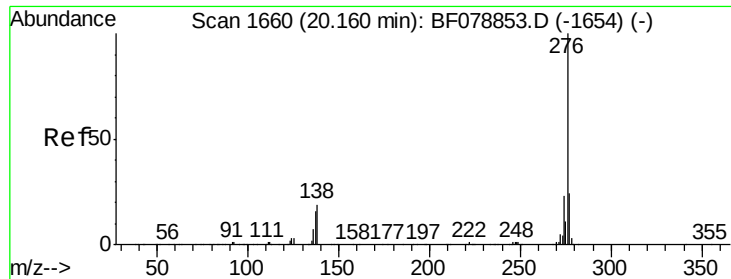


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

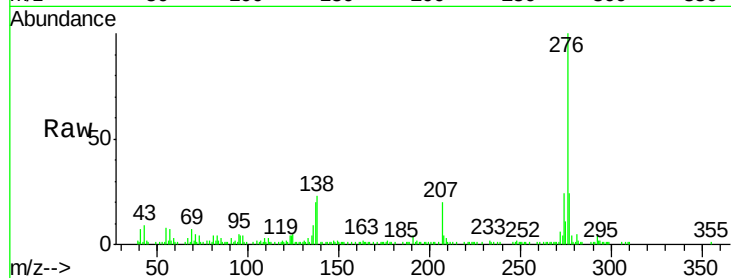




#91
 Benzo(g,h,i)perylene
 Concen: 9.14 ng
 RT: 19.93 min Scan# 1640
 Delta R.T. 0.02 min
 Lab File: BF079205.D
 Acq: 13 May 2015 20:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-40S

Tgt Ion:	276	Resp:	127581
Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	23.4	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

