

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
 Data File : BF077608.D
 Acq On : 5 Mar 2015 6:24
 Operator : TP/IZ
 Sample : G1424-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB20

Quant Time: Mar 05 07:20:20 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 13:27:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	61333	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	256417	20.00	ng	0.00
38) Acenaphthene-d10	10.97	164	125954	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	245293	20.00	ng	0.00
75) Chrysene-d12	16.10	240	280545	20.00	ng	-0.01
86) Perylene-d12	17.80	264	277966	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	374087	101.82	ng	0.00
7) Phenol-d6	6.79	99	450899	95.46	ng	0.00
23) Nitrobenzene-d5	7.91	82	278442	67.53	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	116048	95.69	ng	0.00
44) 2-Fluorobiphenyl	10.15	172	561977	69.57	ng	0.00
78) Terphenyl-d14	14.81	244	660573	55.05	ng	0.00

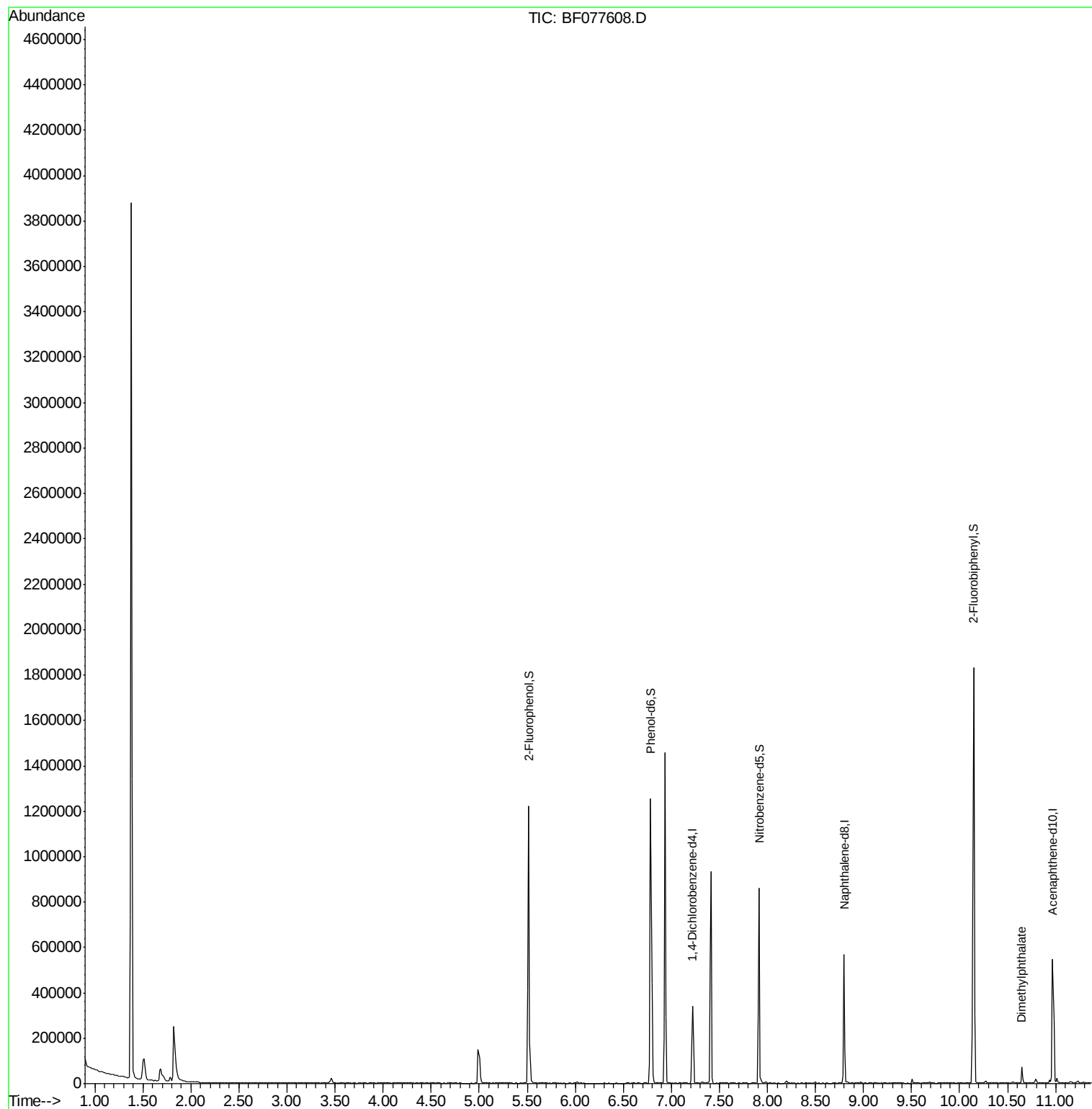
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	10.65	163	29185	3.30	ng	99
70) Phenanthrene	12.84	178	125635	8.84	ng	99
71) Anthracene	12.84	178	106155	7.52	ng	99
74) Fluoranthene	14.32	202	157693	10.15	ng	99
77) Pyrene	14.60	202	203046	11.83	ng	99
80) Benzo(a)anthracene	16.08	228	105531	6.42	ng	96
82) Chrysene	16.12	228	107947	6.99	ng	97
85) Indeno(1,2,3-cd)pyrene	19.23	276	46238	2.63	ng	96
87) Benzo(b)fluoranthene	17.38	252	145459	9.00	ng	# 92
88) Benzo(k)fluoranthene	17.38	252	145459	9.18	ng	# 96
89) Benzo(a)pyrene	17.74	252	95968	6.23	ng	# 94
91) Benzo(g,h,i)perylene	19.65	276	65800	4.44	ng	98

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

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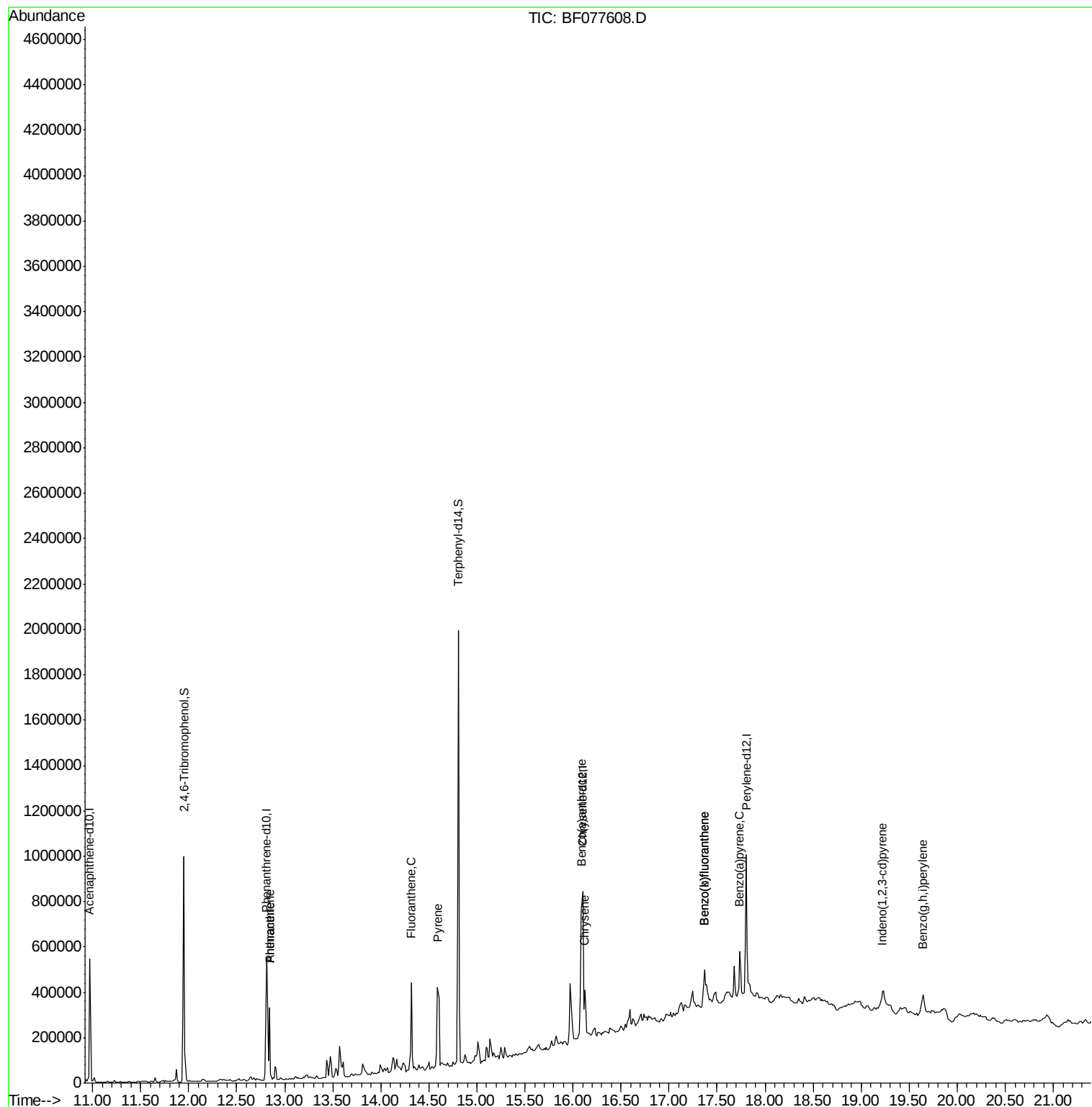
Quant Time: Mar 05 07:20:20 2015
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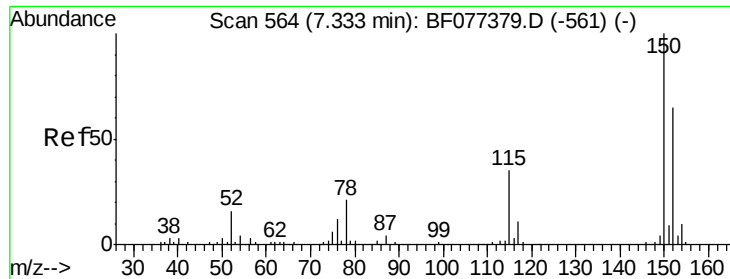


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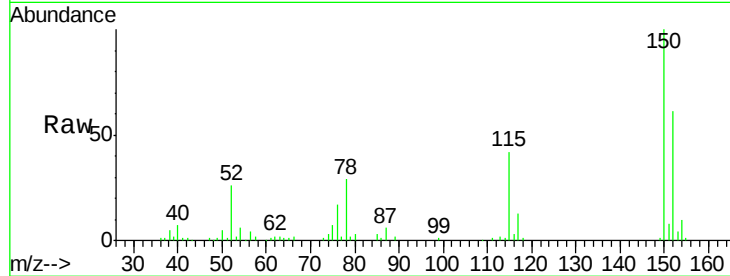


#1

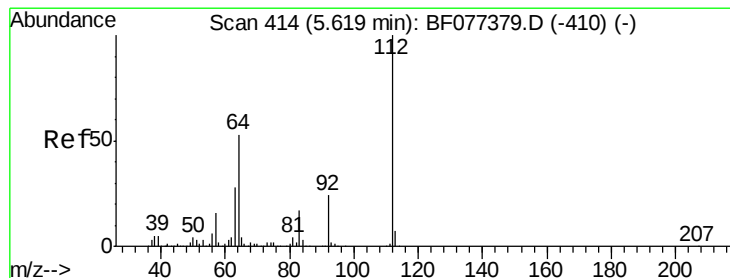
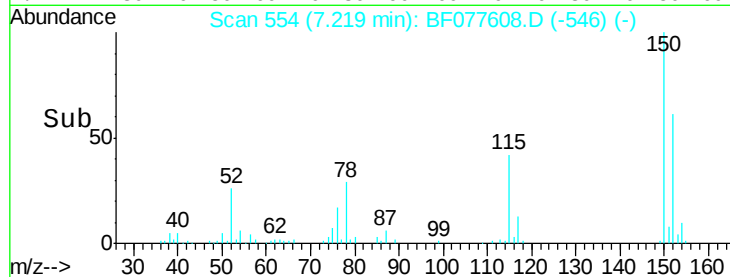
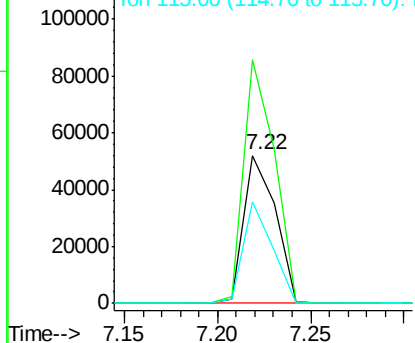
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.22 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF077608.D
Acq: 5 Mar 2015 6:24

Instrument :
BNA_F
ClientSampleId :
SB20

Tgt Ion:152 Resp: 61333
Ion Ratio Lower Upper
152 100
150 164.4 124.0 186.0
115 68.3 49.4 74.2



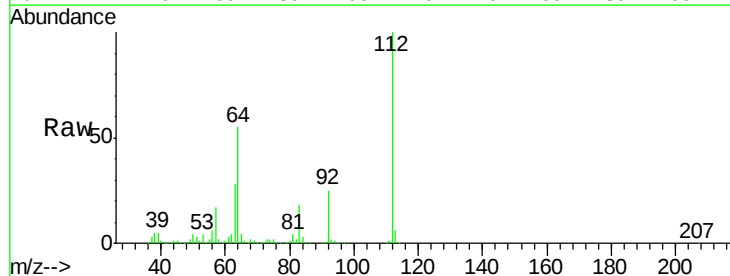
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



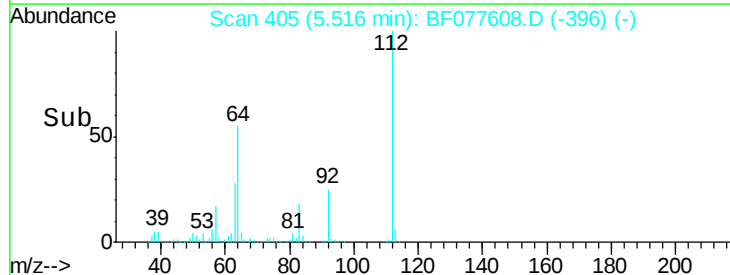
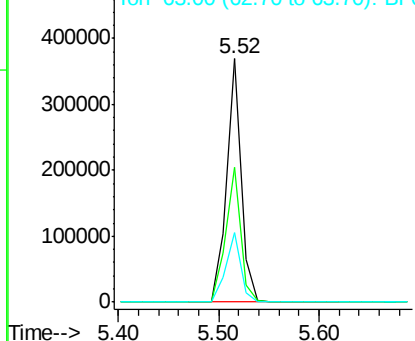
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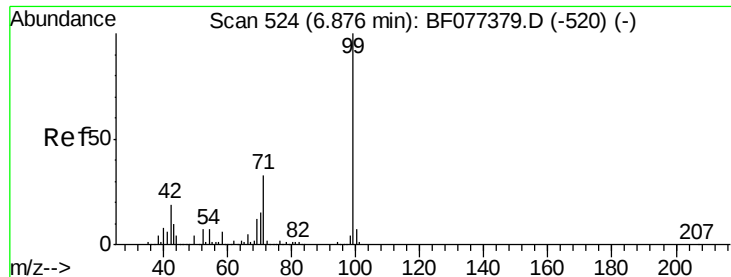
2-Fluorophenol
Concen: 101.82 ng
RT: 5.52 min Scan# 405
Delta R.T. 0.00 min
Lab File: BF077608.D
Acq: 5 Mar 2015 6:24

Tgt Ion:112 Resp: 374087
Ion Ratio Lower Upper
112 100
64 55.5 48.5 72.7
63 28.4 25.0 37.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.46 ng

RT: 6.79 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF077608.D

Acq: 5 Mar 2015 6:24

Instrument :

BNA_F

ClientSampleId :

SB20

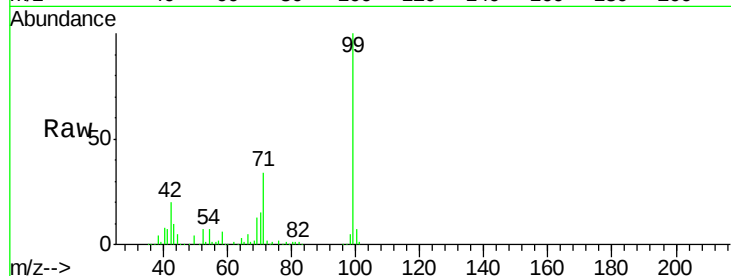
Tgt Ion: 99 Resp: 450899

Ion Ratio Lower Upper

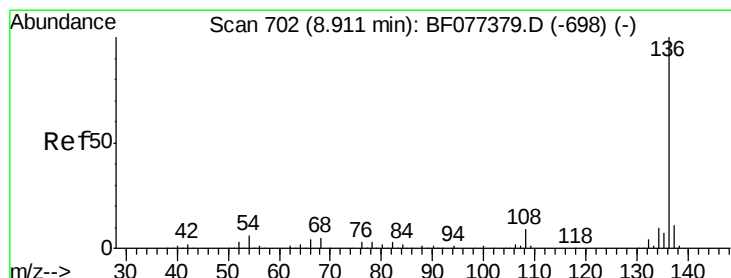
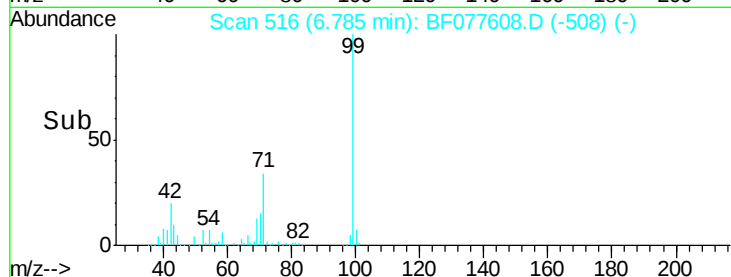
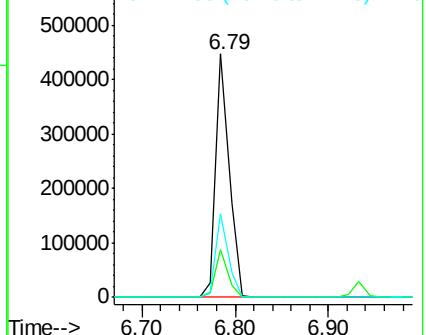
99 100

42 19.7 16.2 24.4

71 34.1 26.7 40.1



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: 8.80 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF077608.D

Acq: 5 Mar 2015 6:24

Tgt Ion: 136 Resp: 256417

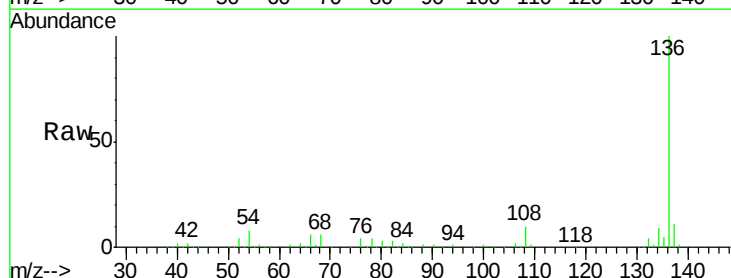
Ion Ratio Lower Upper

136 100

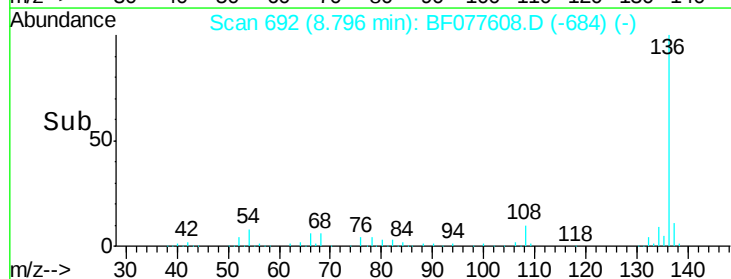
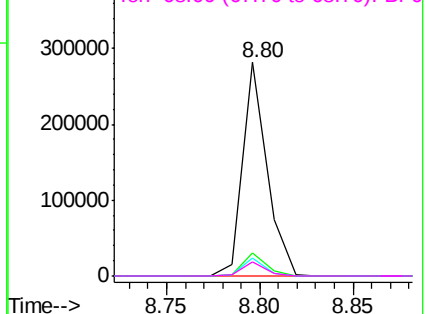
137 10.9 8.6 13.0

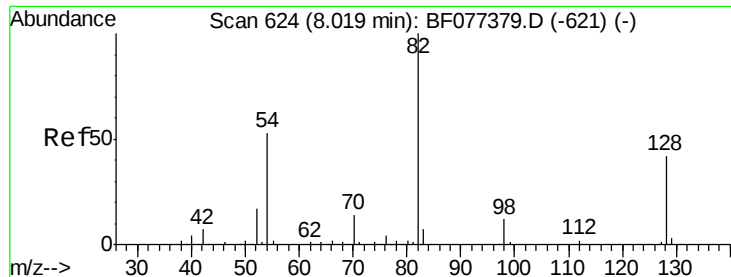
54 8.1 6.2 9.4

68 6.4 5.0 7.6



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

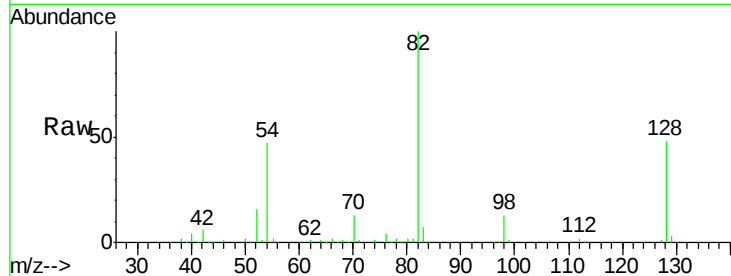




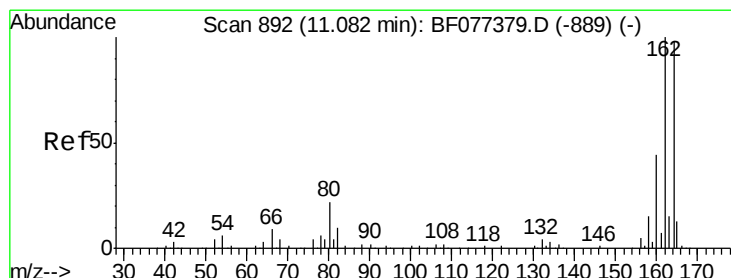
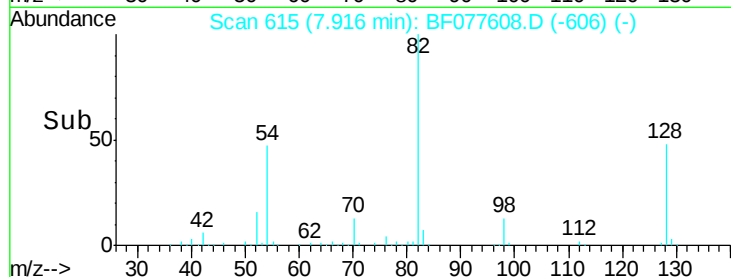
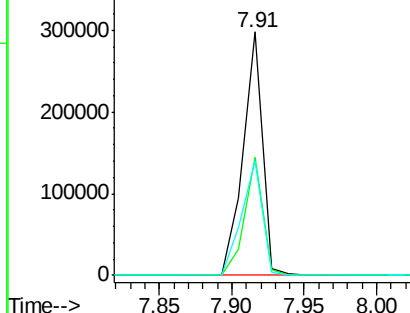
#23
Nitrobenzene-d5
Concen: 67.53 ng
RT: 7.91 min Scan# 615
Delta R.T. -0.00 min
Lab File: BF077608.D
Acq: 5 Mar 2015 6:24

Instrument :
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Tgt Ion: 82 Resp: 278442
Ion Ratio Lower Upper
82 100
128 48.4 43.8 65.8
54 47.2 36.7 55.1

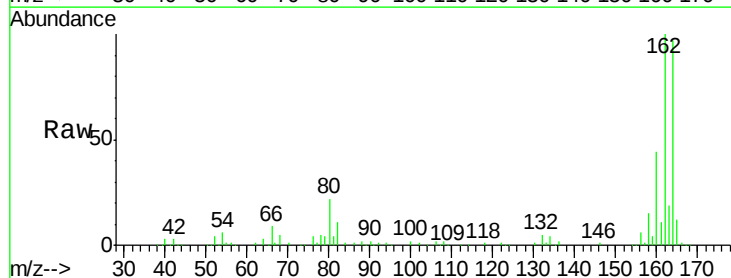


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

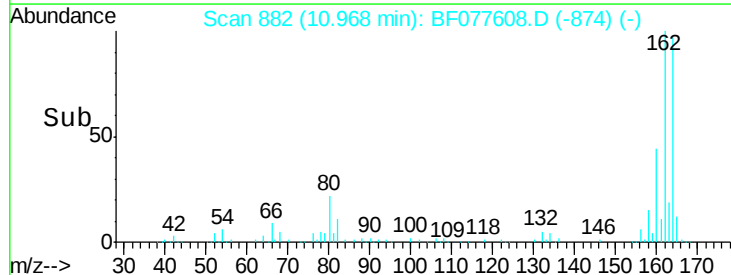
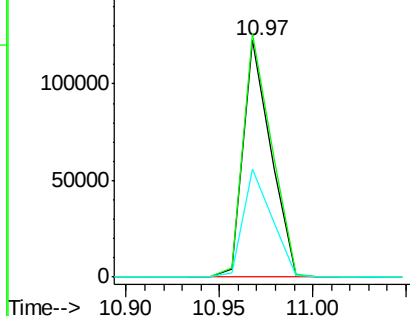


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 882
Delta R.T. -0.00 min
Lab File: BF077608.D
Acq: 5 Mar 2015 6:24

Tgt Ion: 164 Resp: 125954
Ion Ratio Lower Upper
164 100
162 102.7 83.2 124.8
160 45.3 34.6 52.0



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

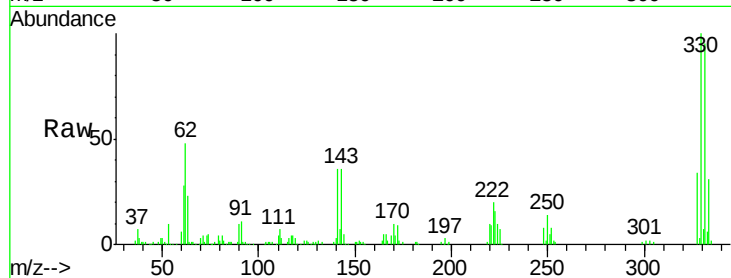




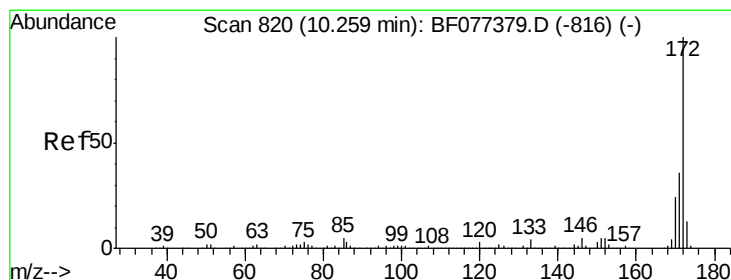
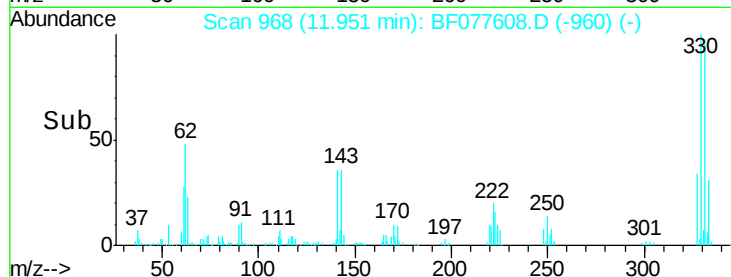
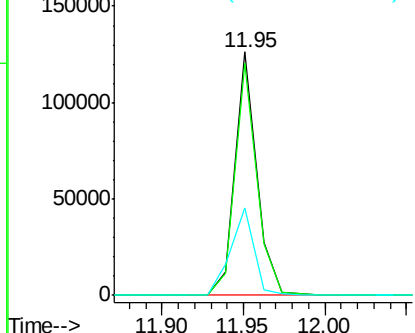
#41
 2,4,6-Tribromophenol
 Concen: 95.69 ng
 RT: 11.95 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF077608.D
 Acq: 5 Mar 2015 6:24

Instrument :
 BNA_F
 ClientSampleId :
 SB20

Tgt Ion:330 Resp: 116048
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 39.1 28.8 43.2

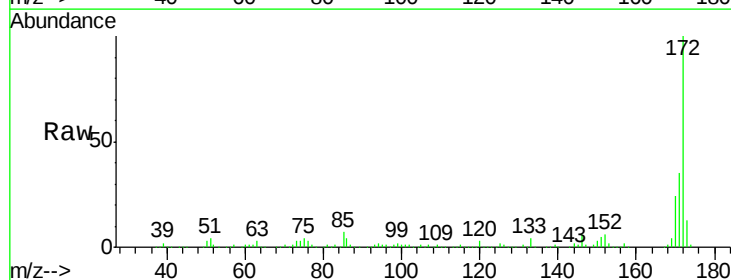


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

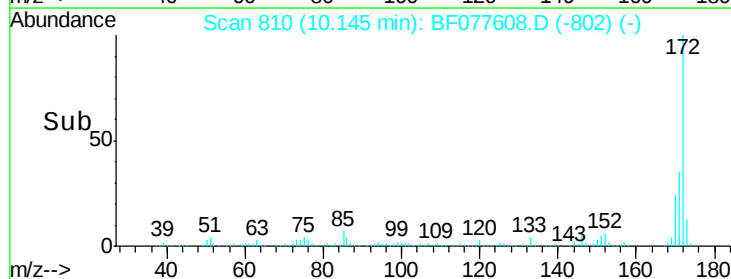
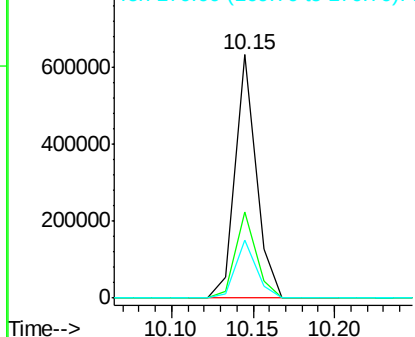


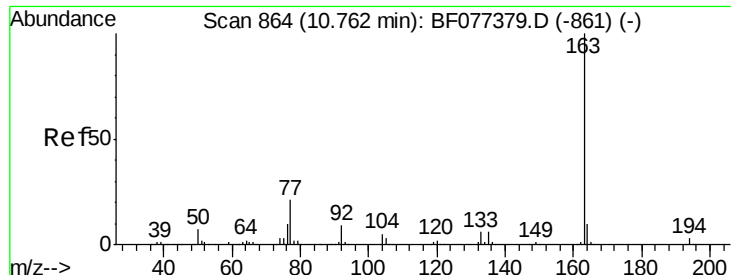
#44
 2-Fluorobiphenyl
 Concen: 69.57 ng
 RT: 10.15 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF077608.D
 Acq: 5 Mar 2015 6:24

Tgt Ion:172 Resp: 561977
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.9 43.3
 170 23.8 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

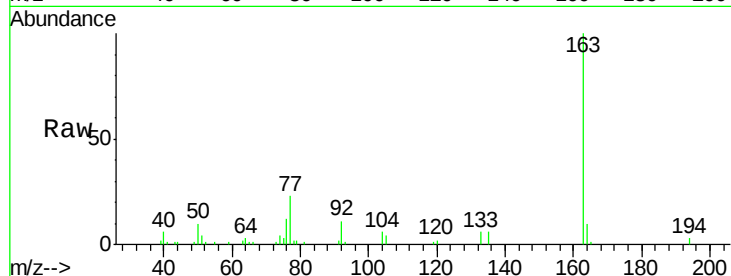




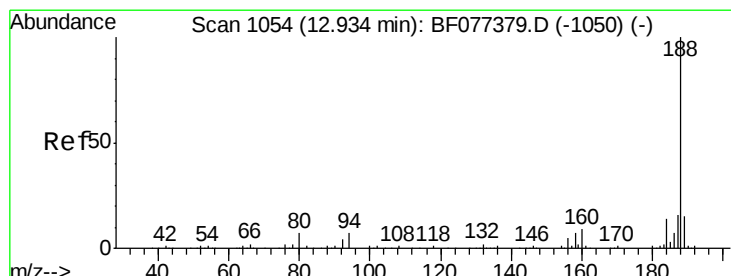
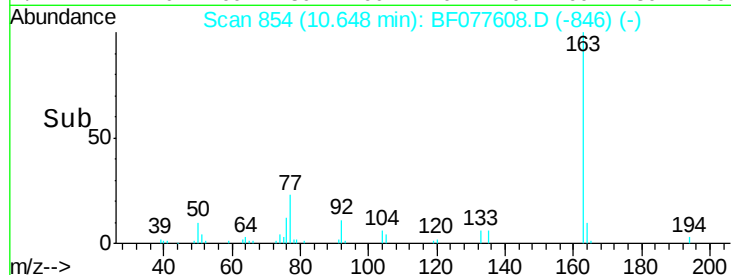
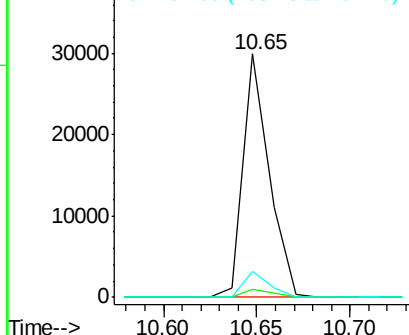
#49
Dimethylphthalate
Concen: 3.30 ng
RT: 10.65 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF077608.D
Acq: 5 Mar 2015 6:24

Instrument :
BNA_F
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SB20

Tgt Ion:163 Resp: 29185
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.4 8.6 13.0

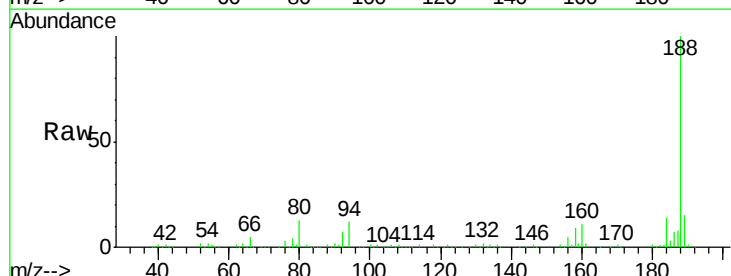


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

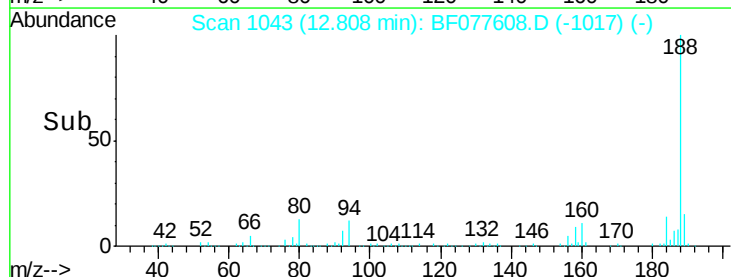
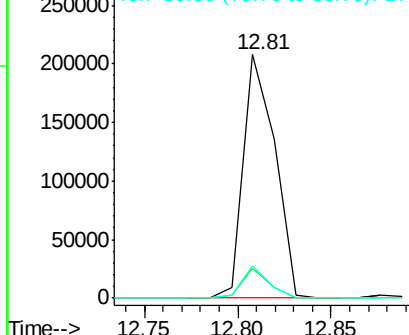


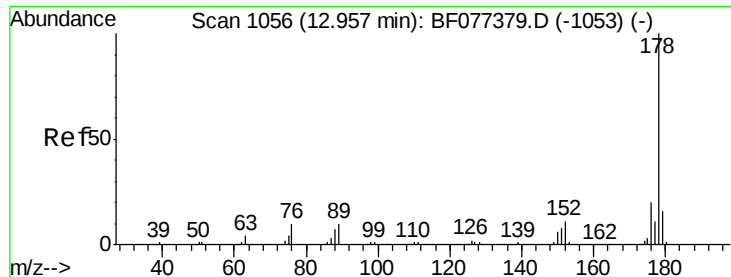
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF077608.D
Acq: 5 Mar 2015 6:24

Tgt Ion:188 Resp: 245293
Ion Ratio Lower Upper
188 100
94 12.4 7.4 11.2#
80 13.2 8.0 12.0#



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

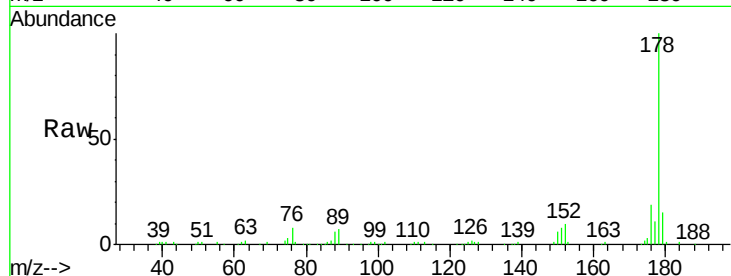




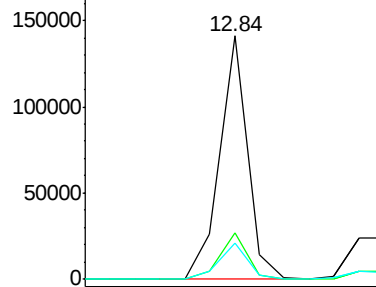
#70
Phenanthrene
Concen: 8.84 ng
RT: 12.84 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF077608.D
Acq: 5 Mar 2015 6:24

Instrument :
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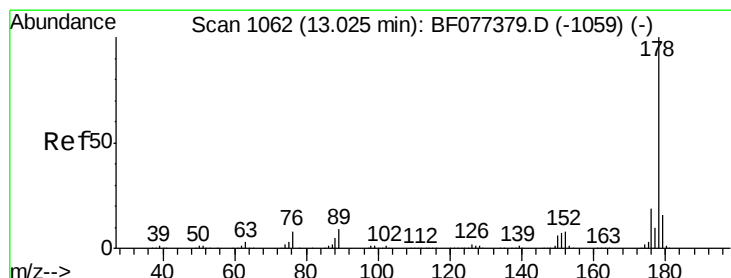
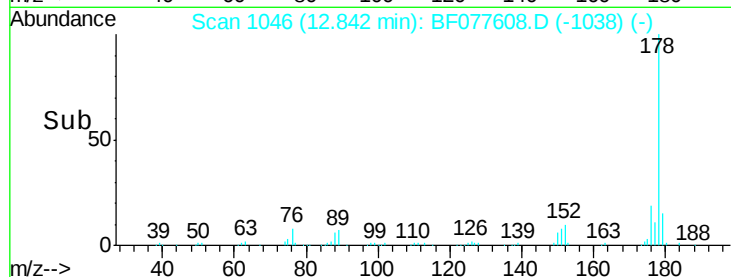
Tgt Ion:178 Resp: 125635
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.1 12.2 18.2



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

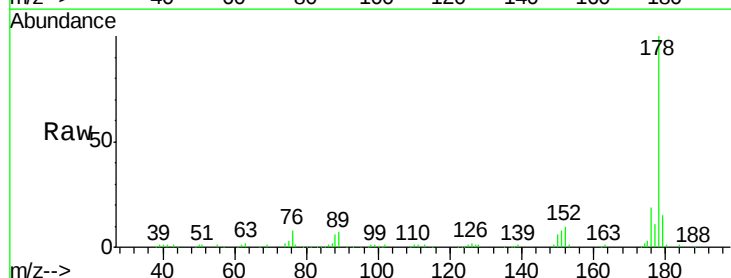


Time-->

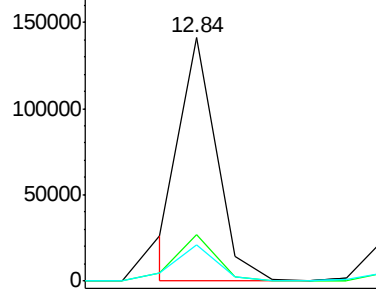


#71
Anthracene
Concen: 7.52 ng
RT: 12.84 min Scan# 1046
Delta R.T. -0.07 min
Lab File: BF077608.D
Acq: 5 Mar 2015 6:24

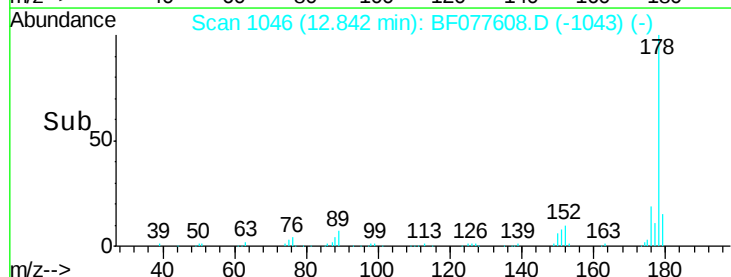
Tgt Ion:178 Resp: 106155
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.1 12.9 19.3

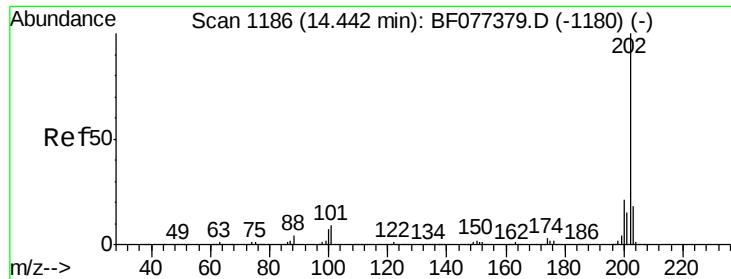


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 10.15 ng

RT: 14.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BF077608.D

Acq: 5 Mar 2015 6:24

Instrument :

BNA_F

ClientSampleId :

SB20

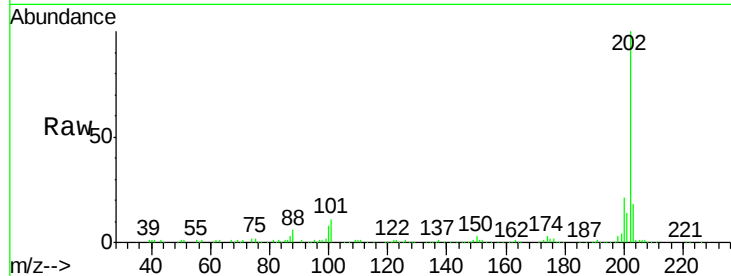
Tgt Ion: 202 Resp: 157693

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.8

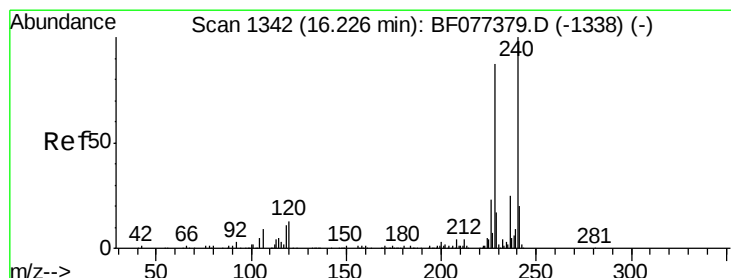
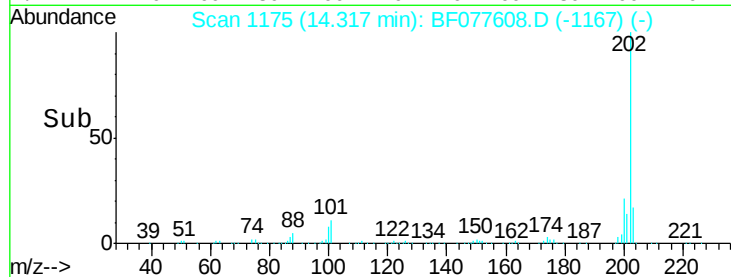
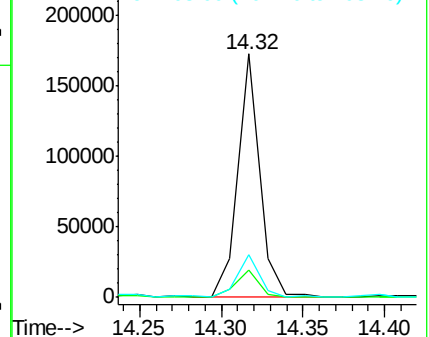
203 17.6 0.0 37.7



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: 16.10 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF077608.D

Acq: 5 Mar 2015 6:24

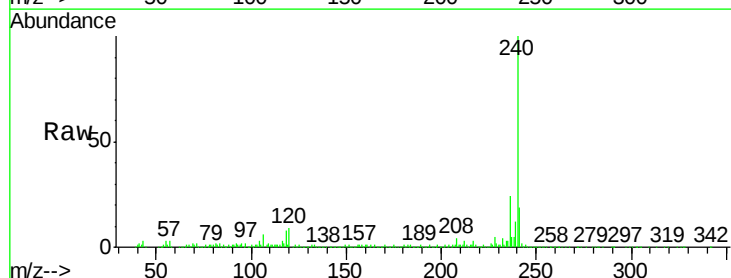
Tgt Ion: 240 Resp: 280545

Ion Ratio Lower Upper

240 100

120 8.8 8.8 13.2#

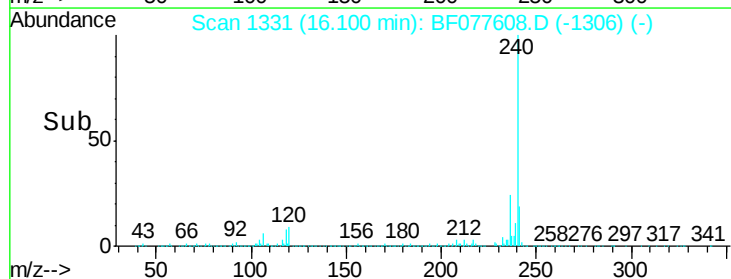
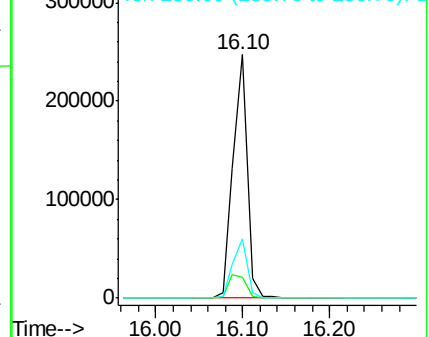
236 24.2 20.7 31.1

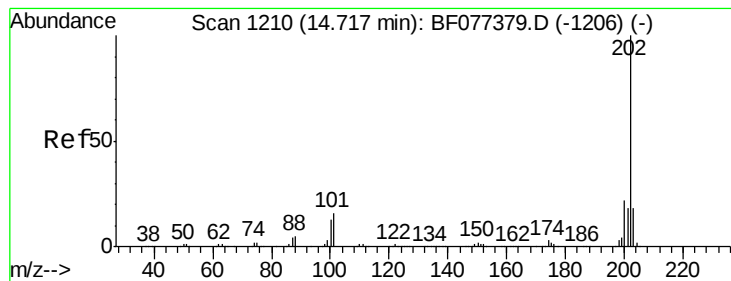


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.83 ng

RT: 14.60 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BF077608.D

Acq: 5 Mar 2015 6:24

Instrument :

BNA_F

ClientSampleId :

SB20

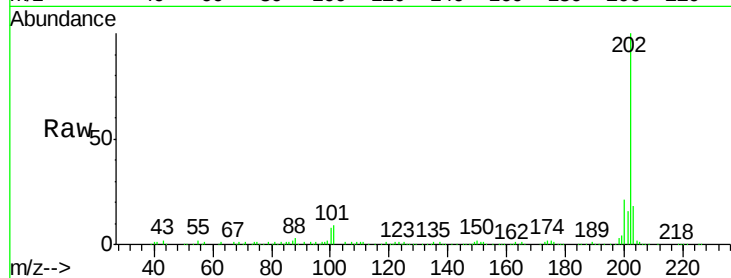
Tgt Ion: 202 Resp: 203046

Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

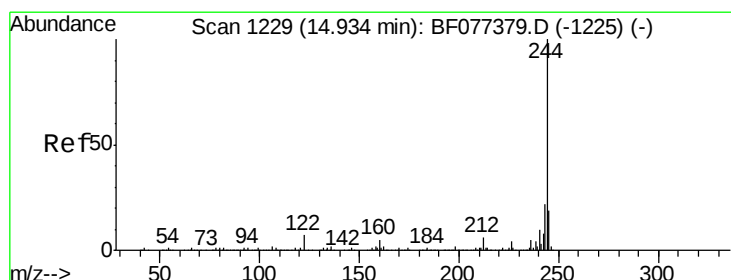
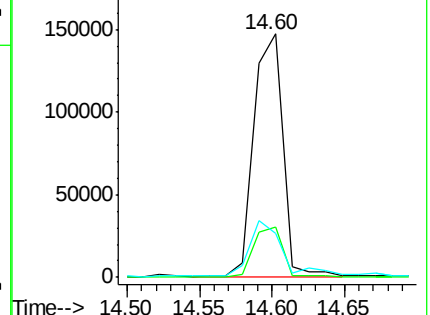
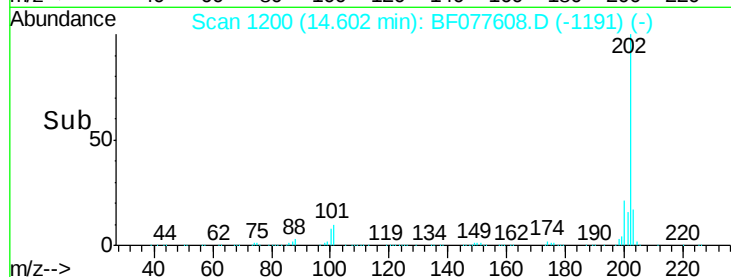
203 17.8 14.2 21.2



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: 55.05 ng

RT: 14.81 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF077608.D

Acq: 5 Mar 2015 6:24

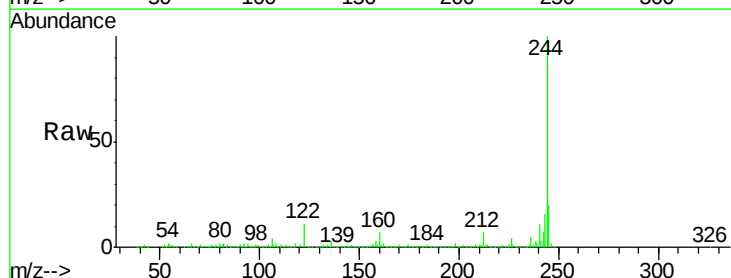
Tgt Ion: 244 Resp: 660573

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

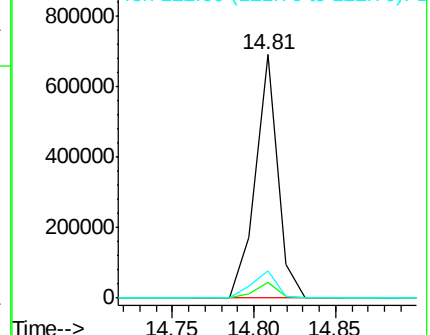
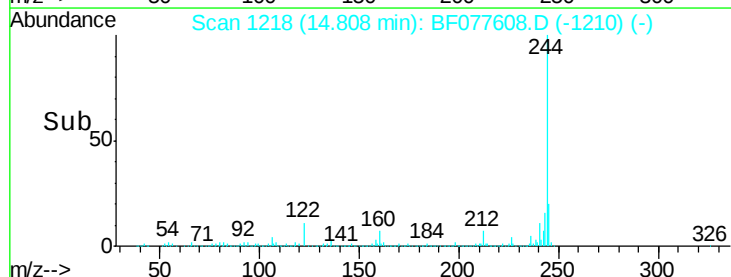
122 11.4 7.8 11.8

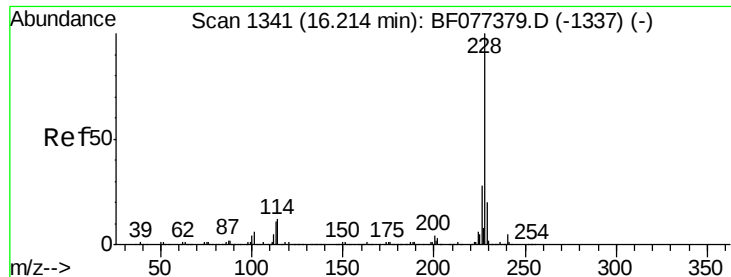


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

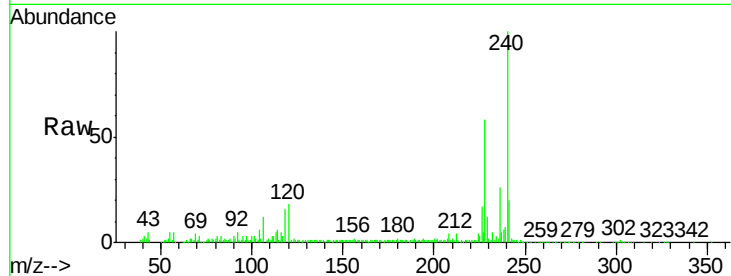




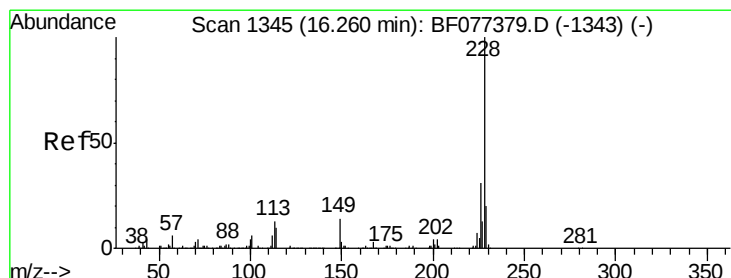
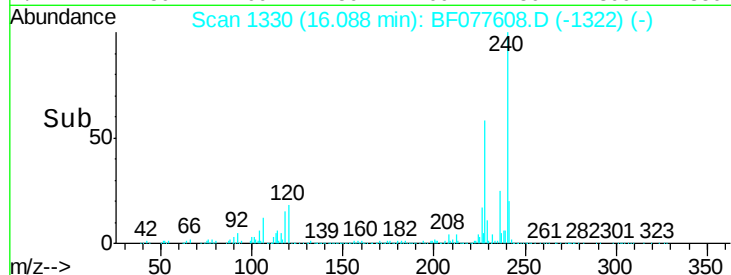
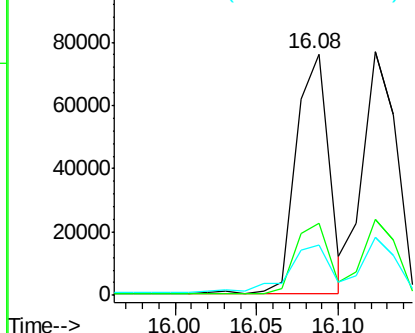
#80
Benzo(a)anthracene
Concen: 6.42 ng
RT: 16.08 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF077608.D
Acq: 5 Mar 2015 6:24

Instrument :
BNA_F
ClientSampleId :
SB20

Tgt Ion:228 Resp: 105531
Ion Ratio Lower Upper
228 100
226 29.7 22.0 33.0
229 21.1 15.8 23.8

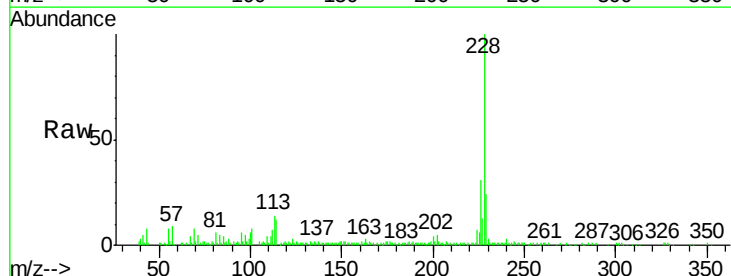


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

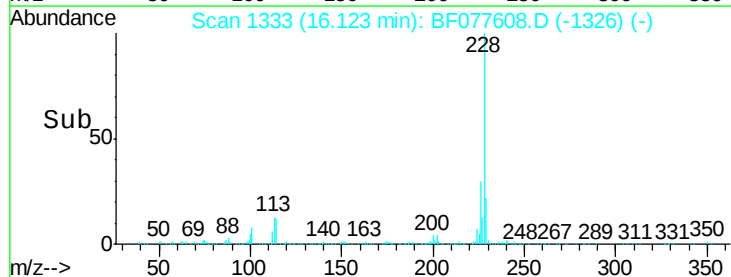
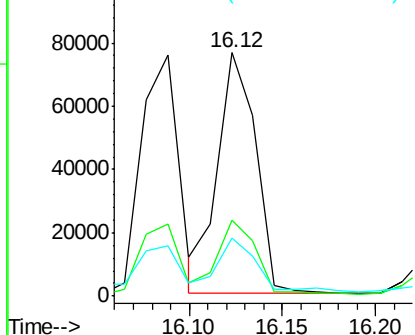


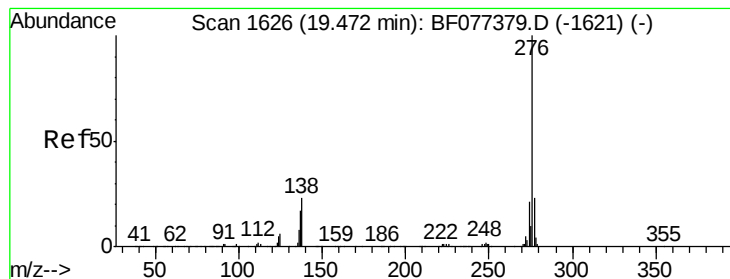
#82
Chrysene
Concen: 6.99 ng
RT: 16.12 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF077608.D
Acq: 5 Mar 2015 6:24

Tgt Ion:228 Resp: 107947
Ion Ratio Lower Upper
228 100
226 31.0 24.9 37.3
229 23.9 16.4 24.6



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: 2.63 ng

RT: 19.23 min Scan# 1605

Delta R.T. -0.07 min

Lab File: BF077608.D

Acq: 5 Mar 2015 6:24

Instrument :

BNA_F

ClientSampleId :

SB20

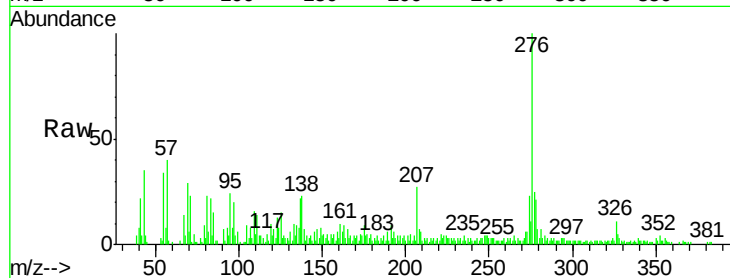
Tgt Ion:276 Resp: 46238

Ion Ratio Lower Upper

276 100

138 22.4 21.2 31.8

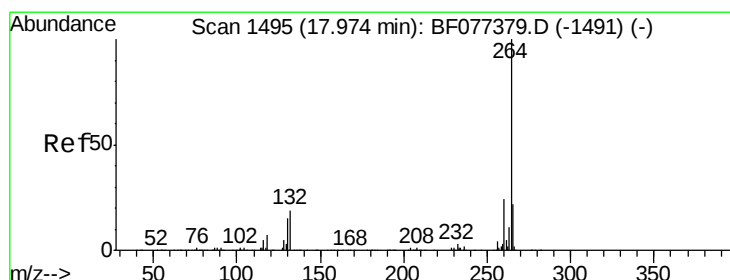
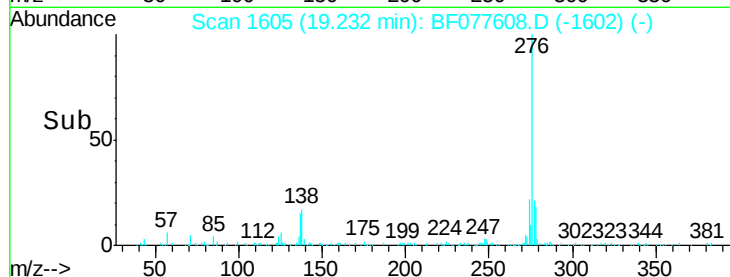
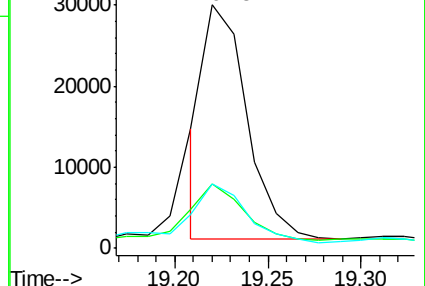
277 25.1 20.0 30.0



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: 17.80 min Scan# 1480

Delta R.T. -0.05 min

Lab File: BF077608.D

Acq: 5 Mar 2015 6:24

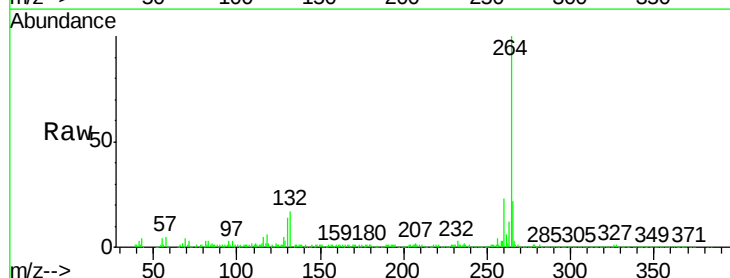
Tgt Ion:264 Resp: 277966

Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

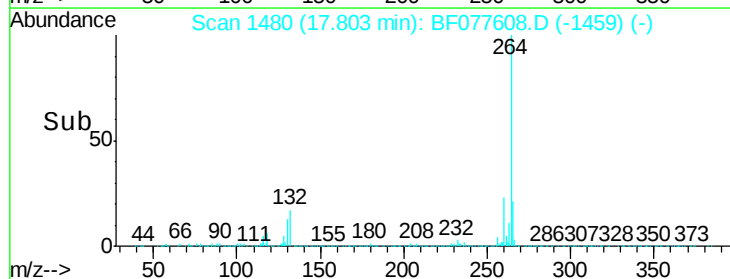
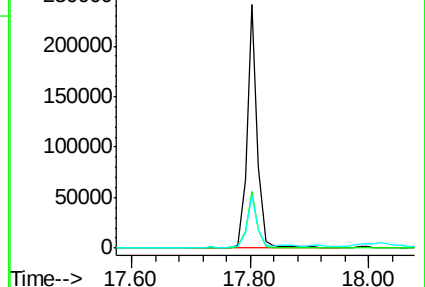
265 21.7 16.8 25.2

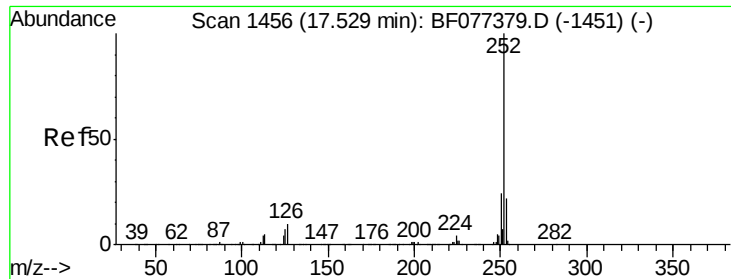


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

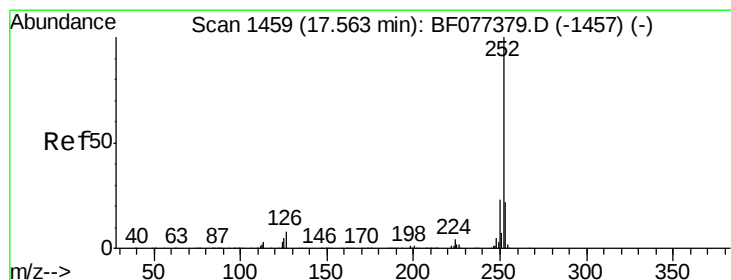
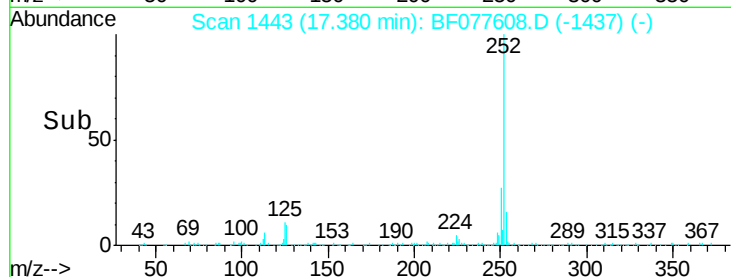
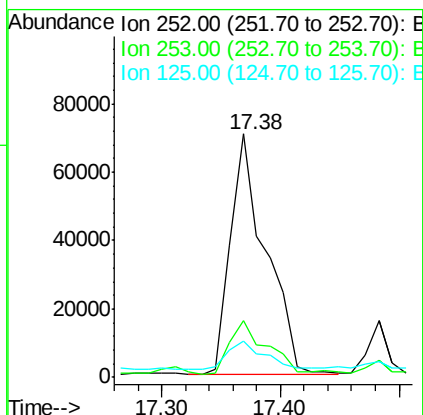
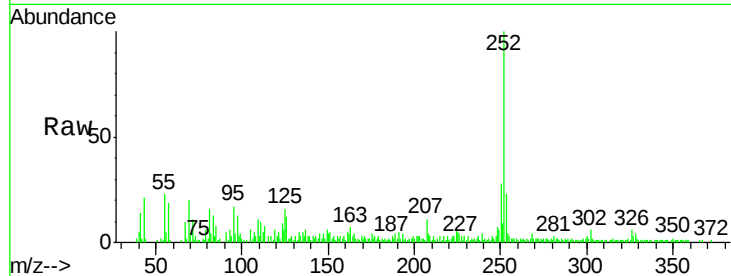




#87
Benzo(b)fluoranthene
Concen: 9.00 ng
RT: 17.38 min Scan# 1443
Delta R.T. -0.03 min
Lab File: BF077608.D
Acq: 5 Mar 2015 6:24

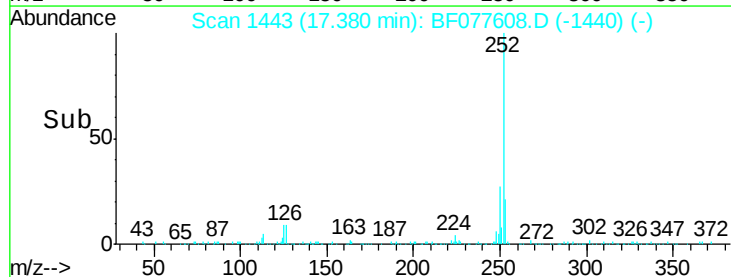
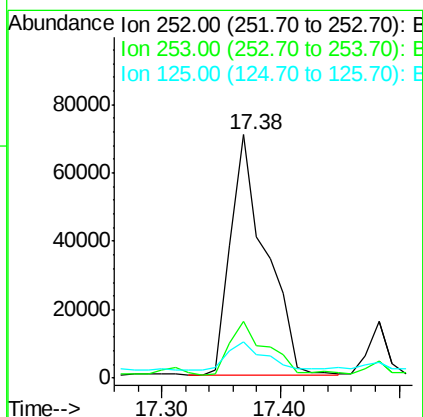
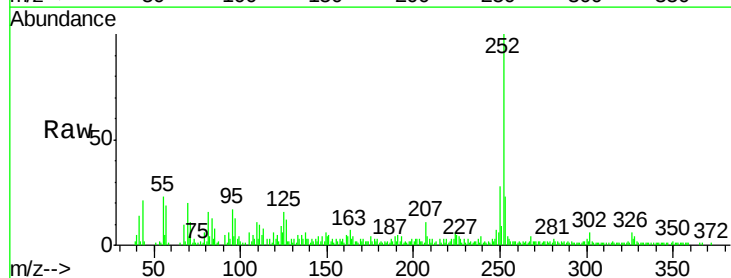
Instrument :
BNA_F
ClientSampleId :
SB20

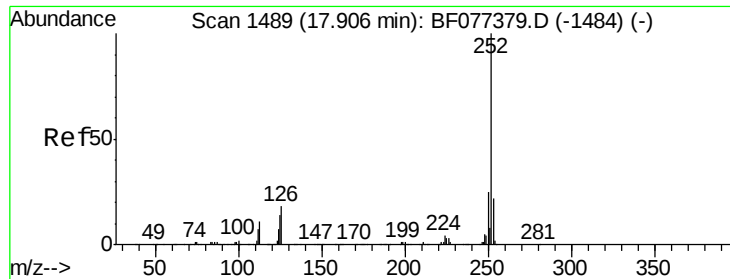
Tgt Ion:252 Resp: 145459
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 16.5 5.4 8.2#



#88
Benzo(k)fluoranthene
Concen: 9.18 ng
RT: 17.38 min Scan# 1443
Delta R.T. -0.07 min
Lab File: BF077608.D
Acq: 5 Mar 2015 6:24

Tgt Ion:252 Resp: 145459
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 16.5 10.1 15.1#





#89

Benzo(a)pyrene

Concen: 6.23 ng

RT: 17.74 min Scan# 1474

Delta R.T. -0.06 min

Lab File: BF077608.D

Acq: 5 Mar 2015 6:24

Instrument :

BNA_F

ClientSampleId :

SB20

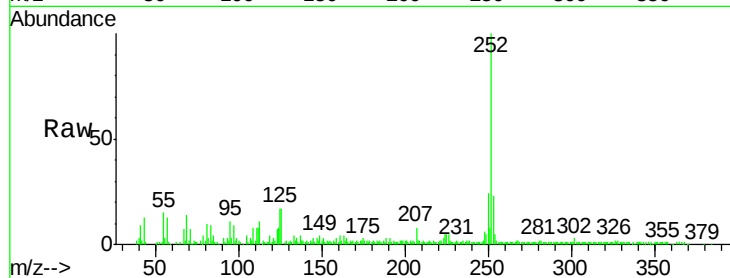
Tgt Ion:252 Resp: 95968

Ion Ratio Lower Upper

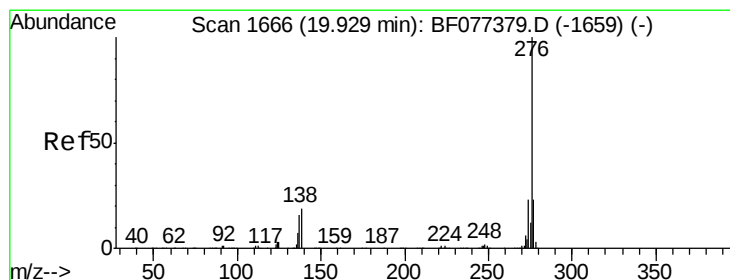
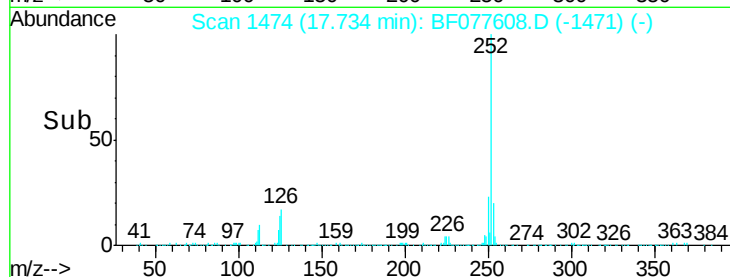
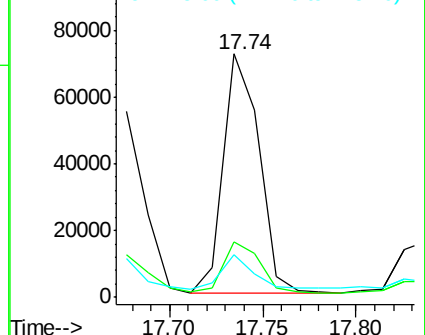
252 100

253 22.7 18.2 27.2

125 17.3 8.3 12.5#



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: 4.44 ng

RT: 19.65 min Scan# 1641

Delta R.T. -0.07 min

Lab File: BF077608.D

Acq: 5 Mar 2015 6:24

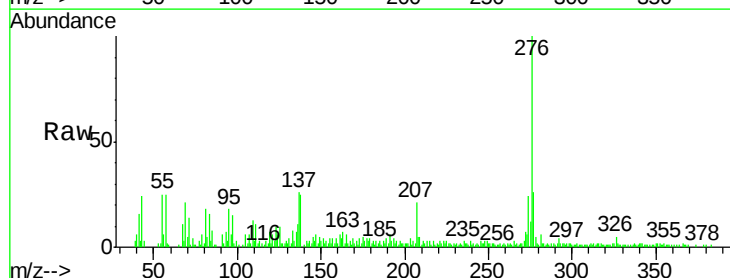
Tgt Ion:276 Resp: 65800

Ion Ratio Lower Upper

276 100

277 25.8 18.9 28.3

138 25.2 20.5 30.7



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

