

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075566.D
 Acq On : 16 Nov 2014 3:04
 Operator : TP / JJ
 Sample : F4713-02
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(4-5)

Quant Time: Nov 16 06:16:18 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 18:46:55 2014
 Response via : Initial Calibration

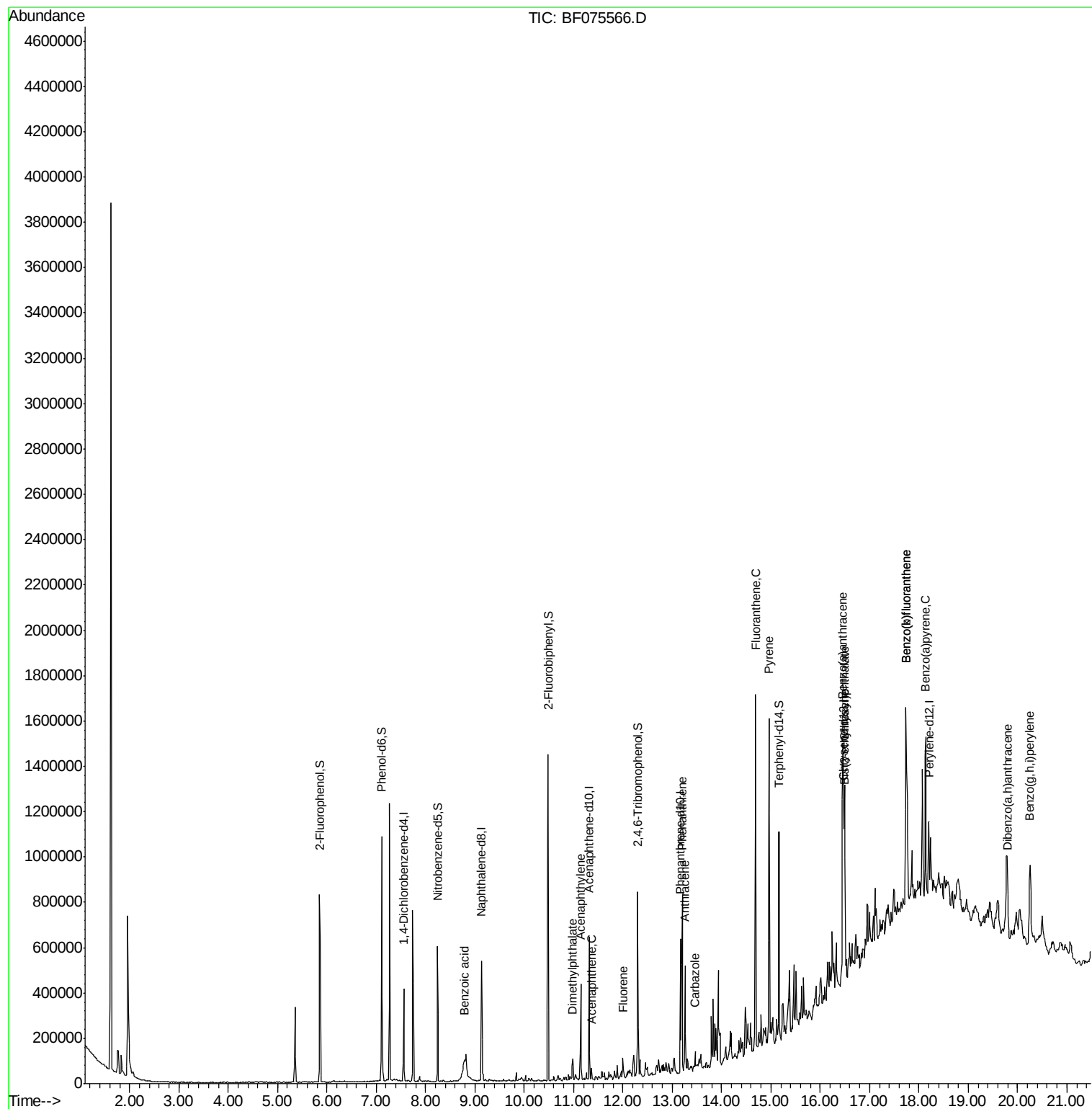
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	61678	20.00	ng	-0.02
21) Naphthalene-d8	9.13	136	253367	20.00	ng	-0.02
38) Acenaphthene-d10	11.32	164	133467	20.00	ng	-0.02
63) Phenanthrene-d10	13.17	188	216978	20.00	ng	-0.02
75) Chrysene-d12	16.47	240	205301	20.00	ng	-0.07
86) Perylene-d12	18.21	264	196320	20.00	ng	-0.23
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	315637	90.41	ng	-0.01
7) Phenol-d6	7.11	99	380550	90.64	ng	0.00
23) Nitrobenzene-d5	8.24	82	209190	60.53	ng	-0.02
41) 2,4,6-Tribromophenol	12.30	330	91548	81.89	ng	-0.02
44) 2-Fluorobiphenyl	10.48	172	453144	61.35	ng	-0.01
78) Terphenyl-d14	15.17	244	431771	56.62	ng	-0.02
Target Compounds						Qvalue
32) Benzoic acid	8.79	122	60982	28.54	ng	97
48) Acenaphthylene	11.15	152	202452	17.44	ng	99
49) Dimethylphthalate	10.99	163	25659	2.81	ng	# 98
51) Acenaphthene	11.36	154	16455	2.35	ng	99
57) Fluorene	12.00	166	40184	4.96	ng	97
70) Phenanthrene	13.20	178	385183	33.73	ng	100
71) Anthracene	13.26	178	198599	16.83	ng	99
72) Carbazole	13.47	167	31086	2.69	ng	99
74) Fluoranthene	14.69	202	837903	68.51	ng	92
77) Pyrene	14.96	202	801511	67.16	ng	98
80) Benzo(a)anthracene	16.46	228	452925	41.99	ng	# 89
82) Chrysene	16.49	228	436871	46.83	ng	96
83) Bis(2-ethylhexyl)phthalate	16.48	149	106262	10.06	ng	# 99
87) Benzo(b)fluoranthene	17.74	252	706224	67.28	ng	96
88) Benzo(k)fluoranthene	17.74	252	717073	76.12	ng	97
89) Benzo(a)pyrene	18.14	252	419190	44.63	ng	# 94
90) Dibenzo(a,h)anthracene	19.80	278	75621	7.71	ng	# 76
91) Benzo(g,h,i)perylene	20.25	276	311042	33.28	ng	95

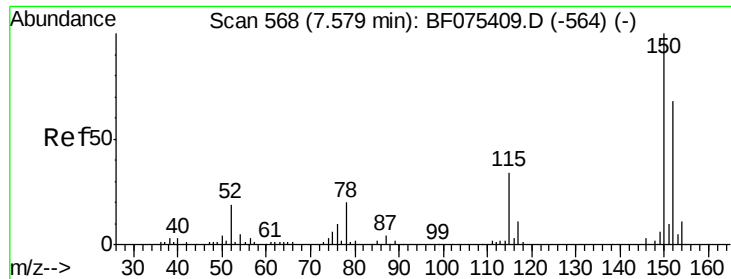
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 18:46:55 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. -0.02 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

ClientSampleId :

SB-2(4-5)

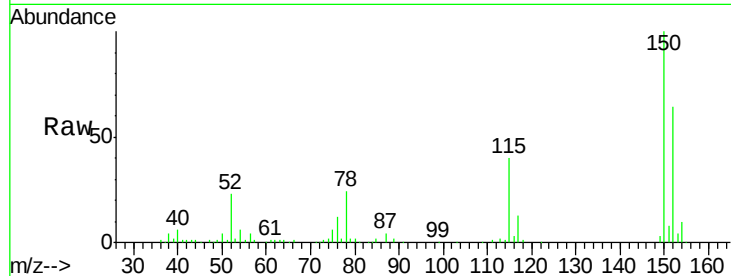
Tgt Ion:152 Resp: 61678

Ion Ratio Lower Upper

152 100

150 156.7 127.2 190.8

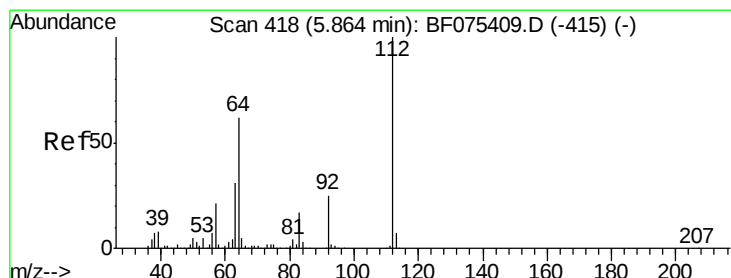
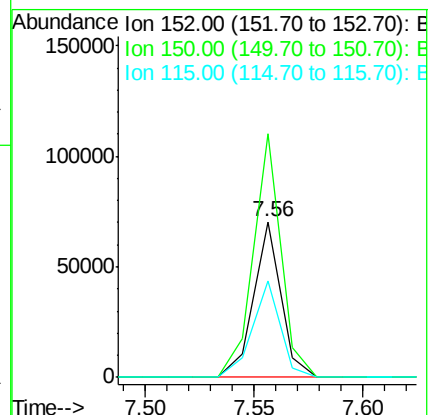
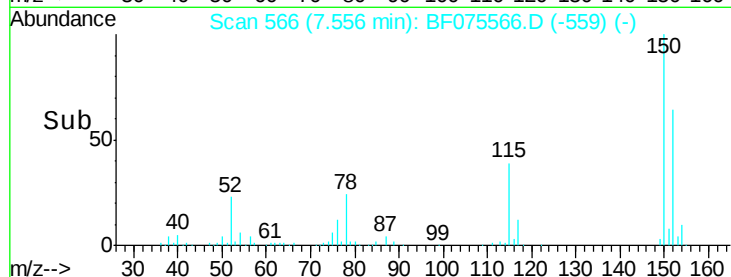
115 62.4 57.1 85.7



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: 90.41 ng

RT: 5.85 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

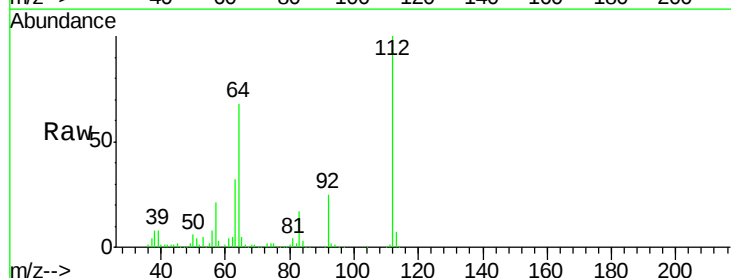
Tgt Ion:112 Resp: 315637

Ion Ratio Lower Upper

112 100

64 68.2 45.8 68.6

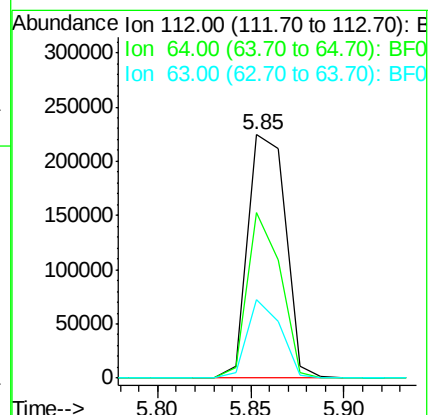
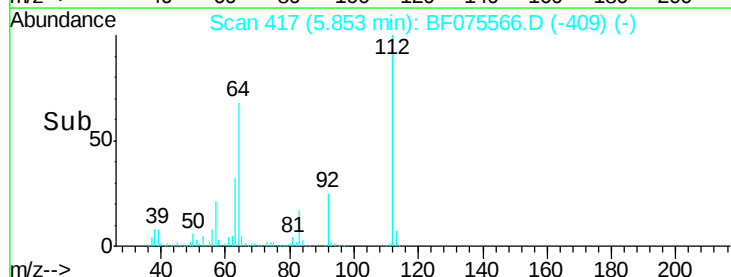
63 32.3 22.7 34.1

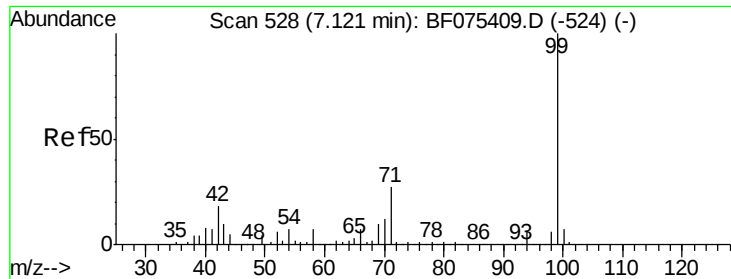


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 90.64 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

ClientSampleId :

SB-2(4-5)

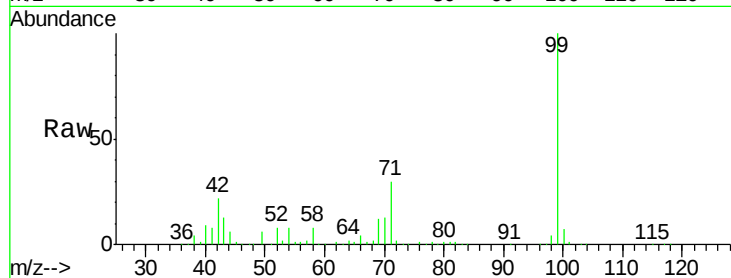
Tgt Ion: 99 Resp: 380550

Ion Ratio Lower Upper

99 100

42 22.5 19.8 29.6

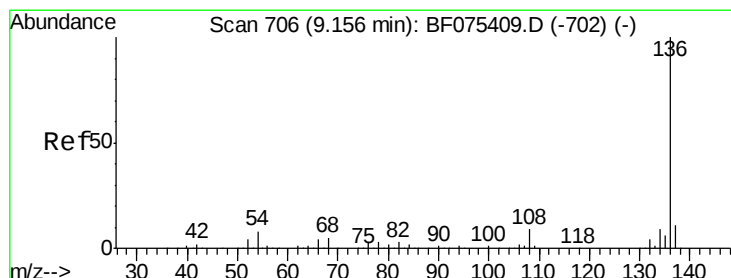
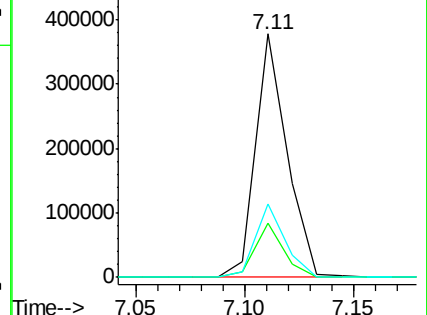
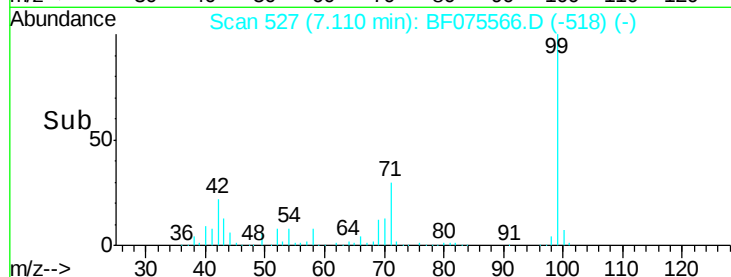
71 30.2 25.5 38.3



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: 9.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Tgt Ion: 136 Resp: 253367

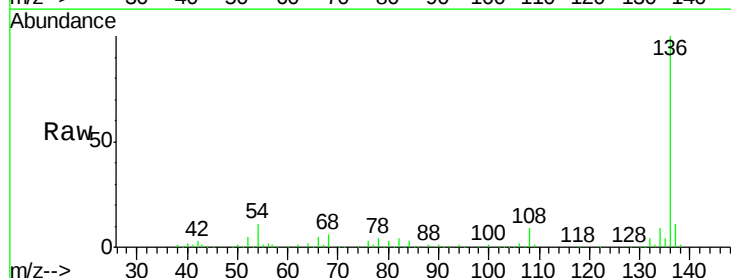
Ion Ratio Lower Upper

136 100

137 11.2 8.2 12.4

54 10.5 6.2 9.4#

68 6.2 3.4 5.2#

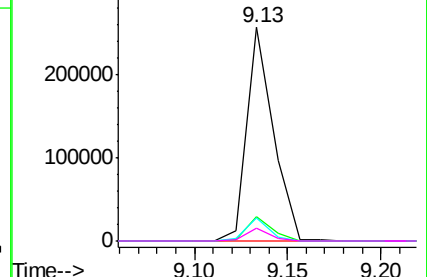
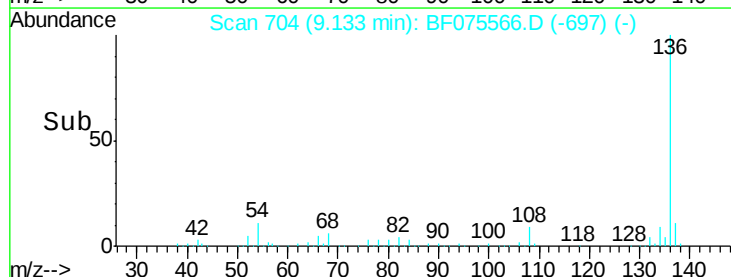


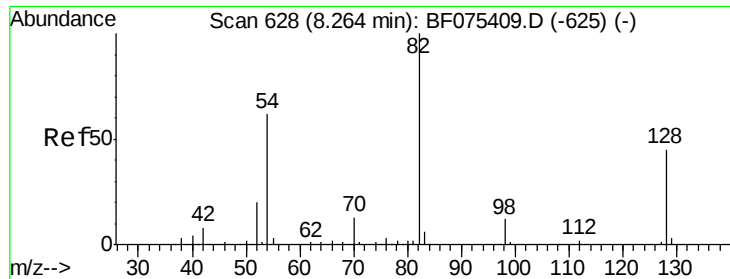
Abundance Ion 136.00 (135.70 to 136.70): E

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

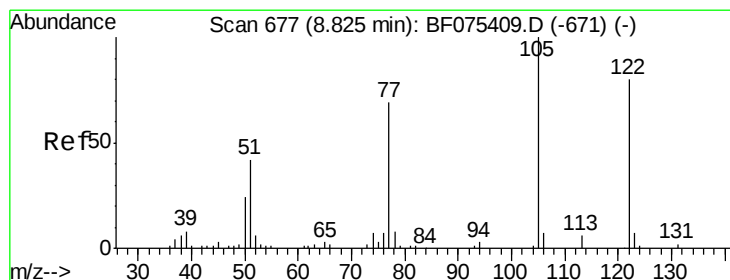
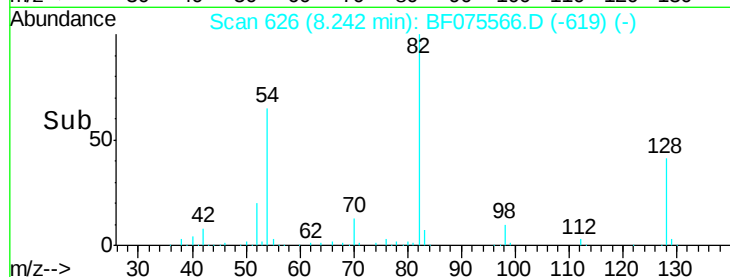
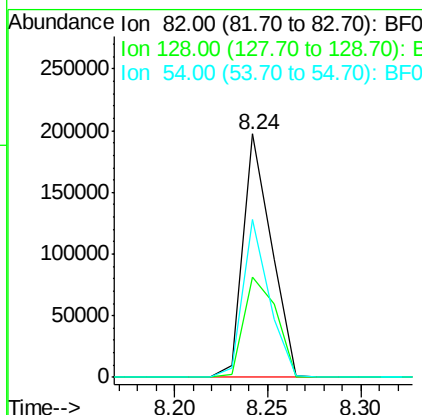
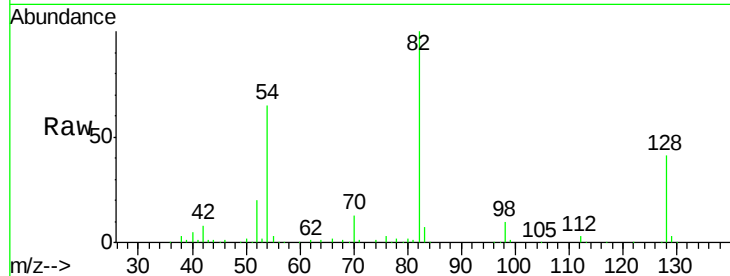




#23
 Nitrobenzene-d5
 Concen: 60.53 ng
 RT: 8.24 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: BF075566.D
 Acq: 16 Nov 2014 3:04

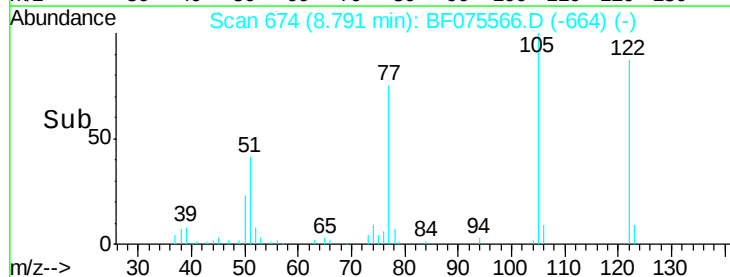
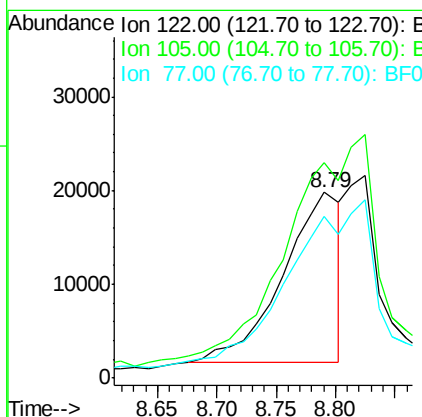
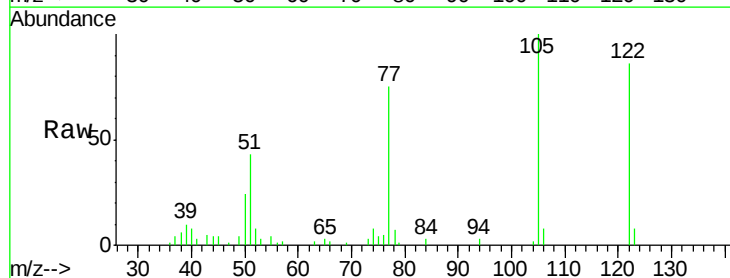
Instrument :
 BNA_F
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 SB-2(4-5)

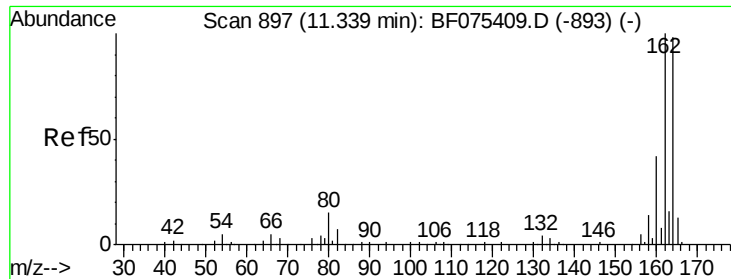
Tgt Ion: 82 Resp: 209190
 Ion Ratio Lower Upper
 82 100
 128 41.1 37.8 56.6
 54 64.7 49.8 74.8



#32
 Benzoic acid
 Concen: 28.54 ng
 RT: 8.79 min Scan# 674
 Delta R.T. 0.01 min
 Lab File: BF075566.D
 Acq: 16 Nov 2014 3:04

Tgt Ion: 122 Resp: 60982
 Ion Ratio Lower Upper
 122 100
 105 116.4 95.1 135.1
 77 87.5 62.6 102.6

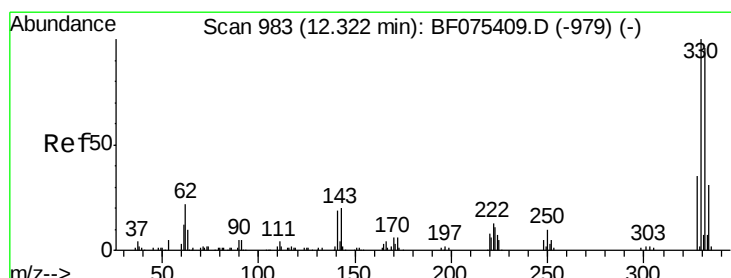
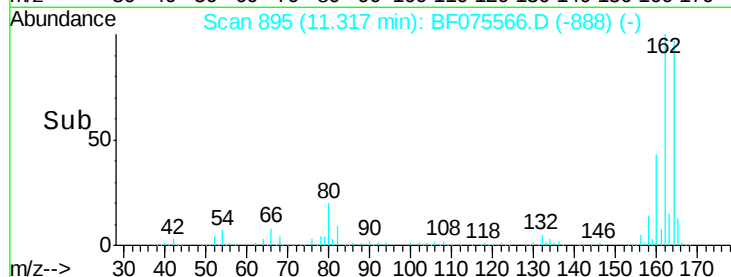
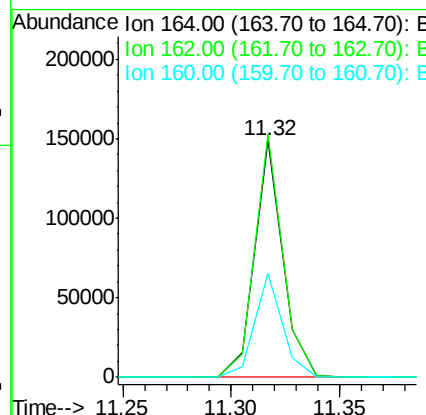
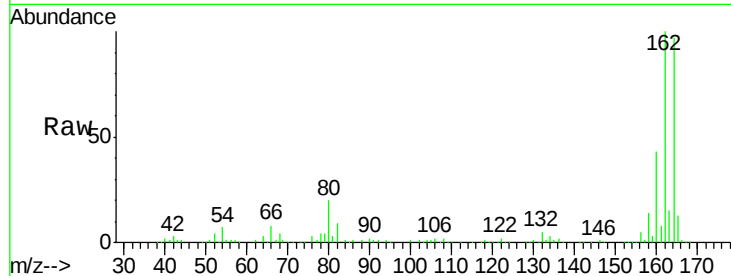




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

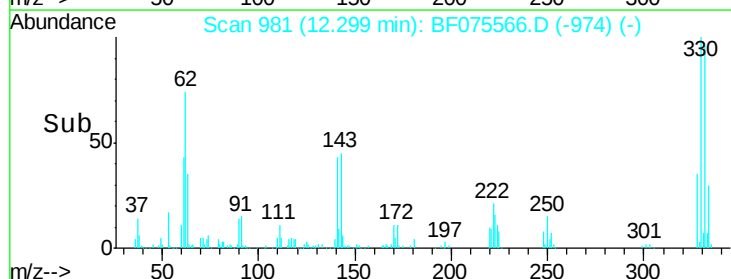
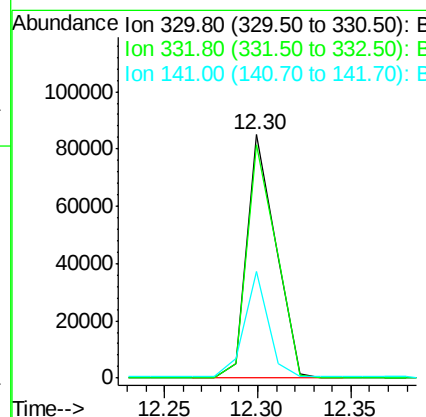
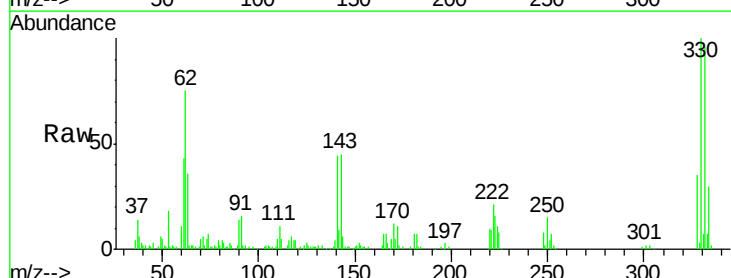
Instrument :
BNA_F
ClientSampleId :
SB-2(4-5)

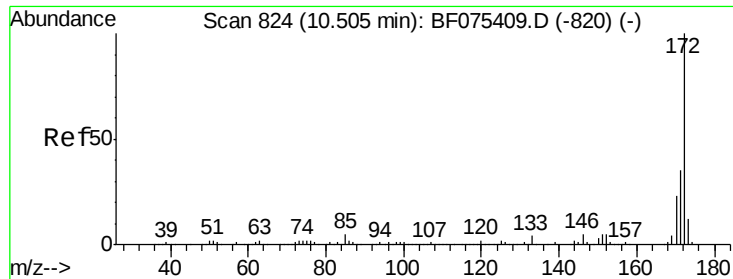
Tgt Ion:164 Resp: 133467
Ion Ratio Lower Upper
164 100
162 102.7 79.1 118.7
160 43.9 34.6 51.8



#41
2,4,6-Tribromophenol
Concen: 81.89 ng
RT: 12.30 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Tgt Ion:330 Resp: 91548
Ion Ratio Lower Upper
330 100
332 97.8 74.5 111.7
141 36.0 30.7 46.1

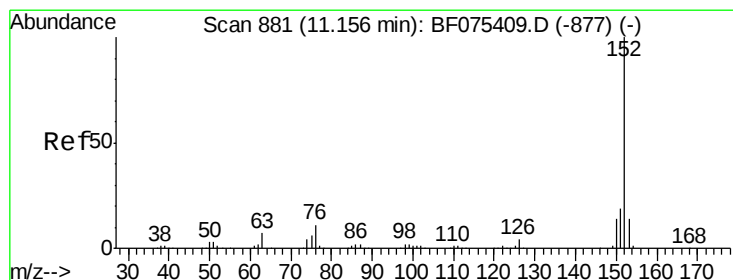
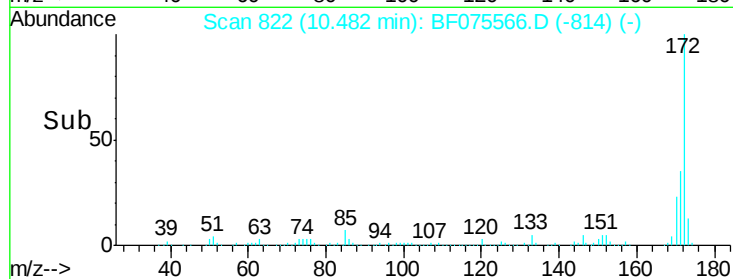
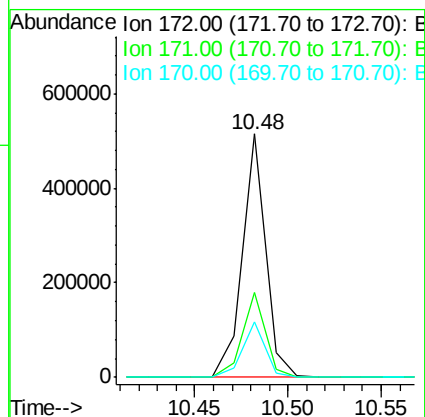
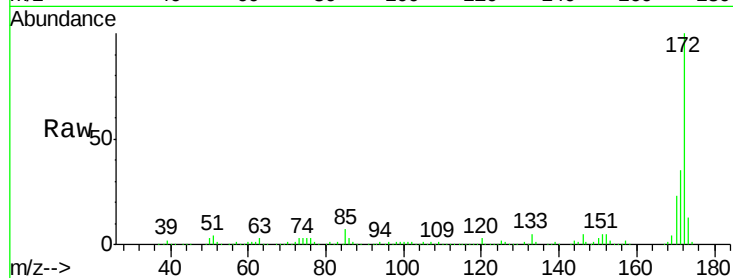




#44
2-Fluorobiphenyl
Concen: 61.35 ng
RT: 10.48 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

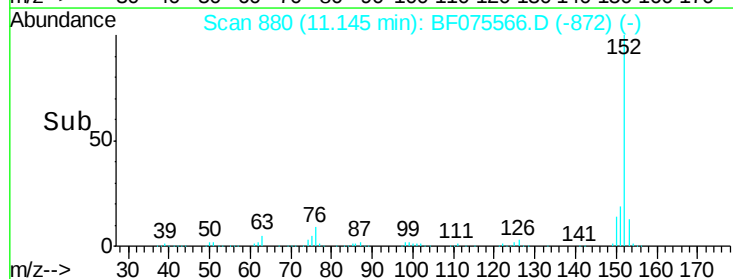
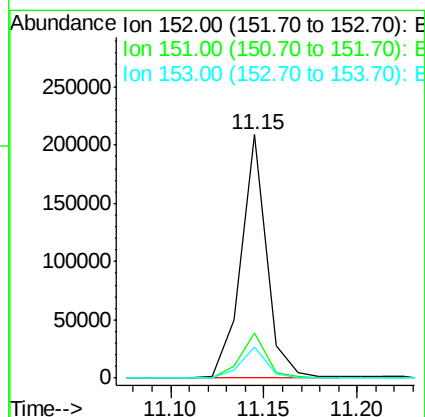
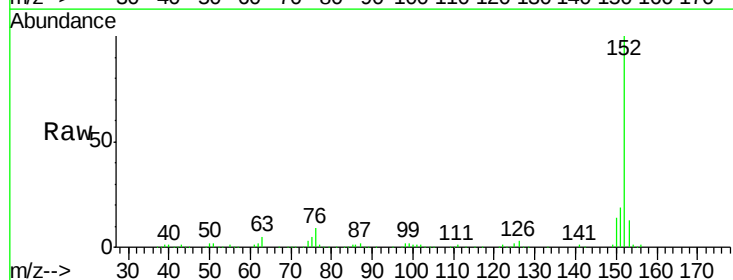
Instrument :
BNA_F
ClientSampleId :
SB-2(4-5)

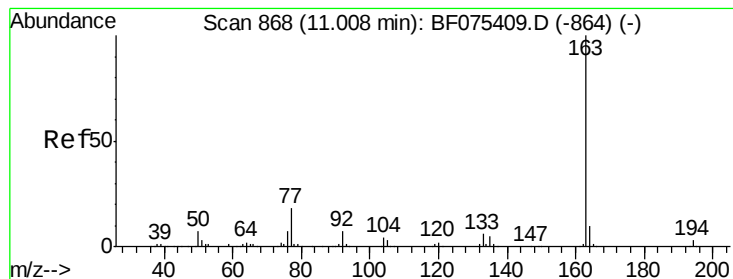
Tgt Ion:172 Resp: 453144
Ion Ratio Lower Upper
172 100
171 34.6 27.3 40.9
170 22.9 18.4 27.6



#48
Acenaphthylene
Concen: 17.44 ng
RT: 11.15 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Tgt Ion:152 Resp: 202452
Ion Ratio Lower Upper
152 100
151 18.8 15.4 23.2
153 13.0 10.0 15.0





#49

Dimethylphthalate

Concen: 2.81 ng

RT: 10.99 min Scan# 866

Delta R.T. -0.02 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

ClientSampleId :

SB-2(4-5)

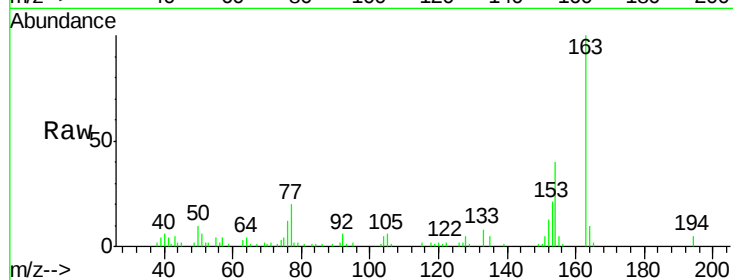
Tgt Ion:163 Resp: 25659

Ion Ratio Lower Upper

163 100

194 5.2 2.7 4.1#

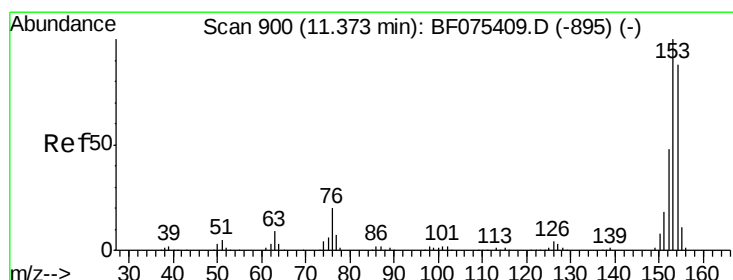
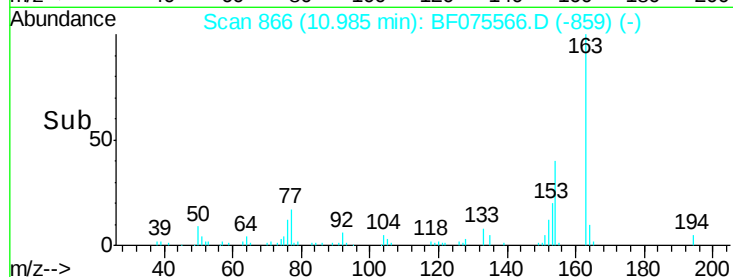
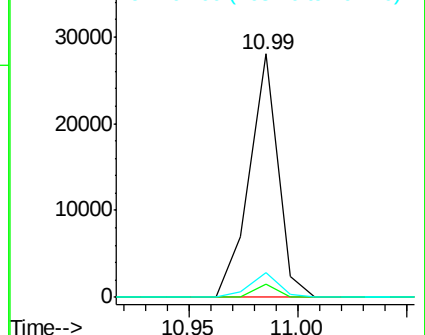
164 10.4 8.0 12.0



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



#51

Acenaphthene

Concen: 2.35 ng

RT: 11.36 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

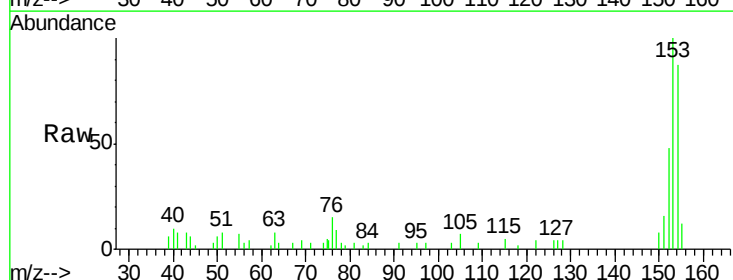
Tgt Ion:154 Resp: 16455

Ion Ratio Lower Upper

154 100

153 115.3 91.2 136.8

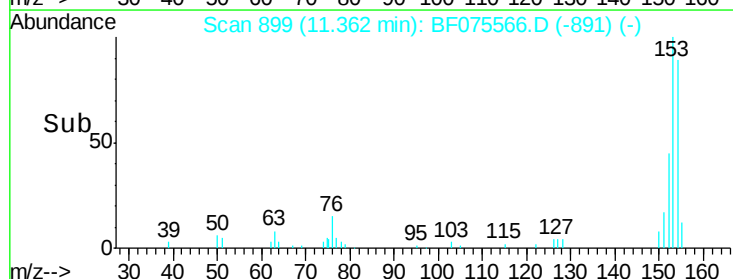
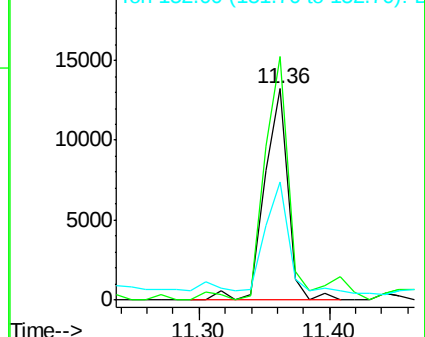
152 55.7 43.4 65.0

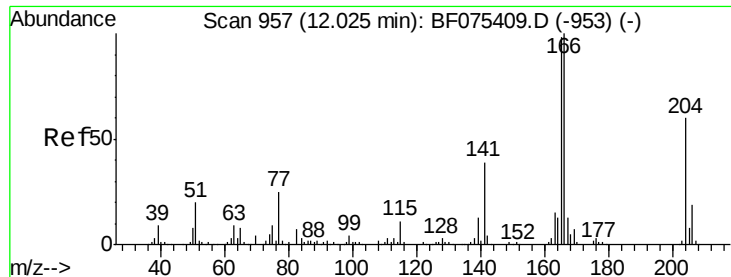


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

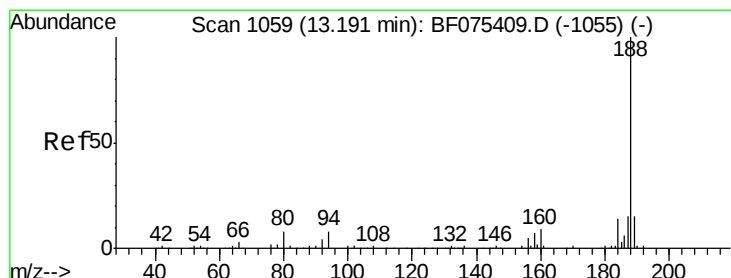
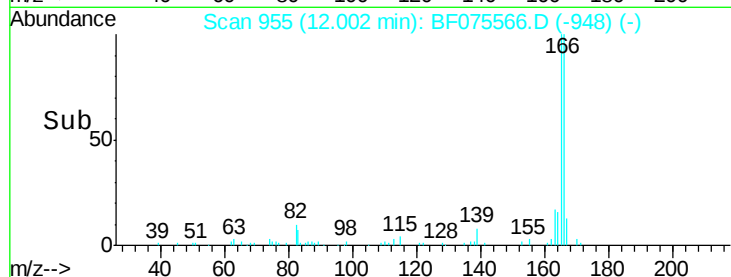
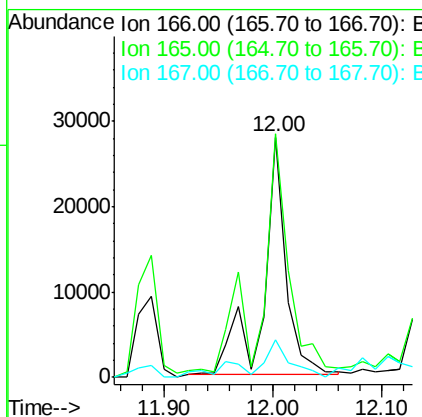
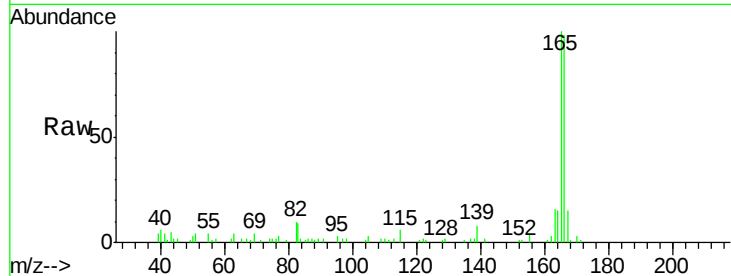




#57
Fluorene
 Concen: 4.96 ng
 RT: 12.00 min Scan# 955
 Delta R.T. -0.02 min
 Lab File: BF075566.D
 Acq: 16 Nov 2014 3:04

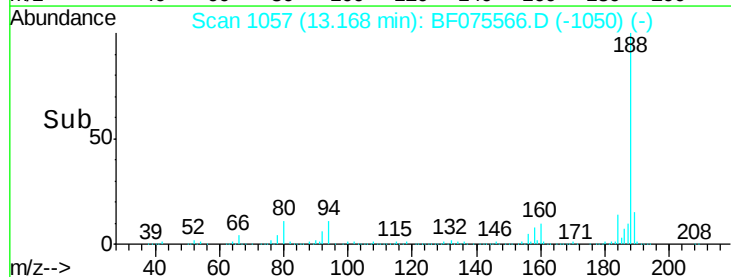
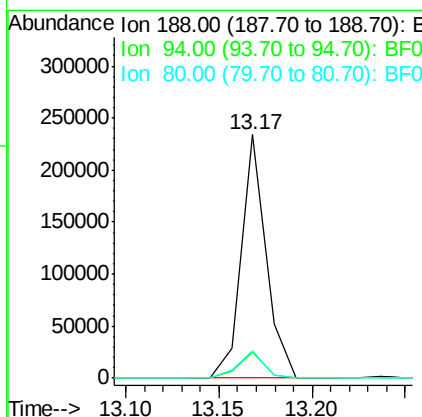
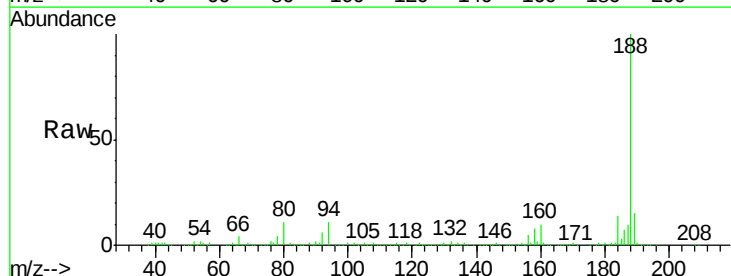
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(4-5)

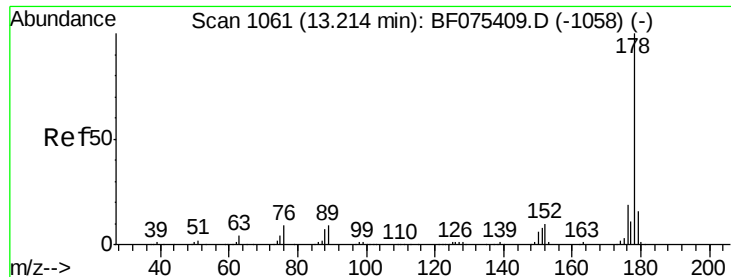
Tgt Ion:166 Resp: 40184
 Ion Ratio Lower Upper
 166 100
 165 101.5 78.8 118.2
 167 15.7 10.6 15.8



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.17 min Scan# 1057
 Delta R.T. -0.02 min
 Lab File: BF075566.D
 Acq: 16 Nov 2014 3:04

Tgt Ion:188 Resp: 216978
 Ion Ratio Lower Upper
 188 100
 94 10.9 7.8 11.6
 80 11.3 8.0 12.0

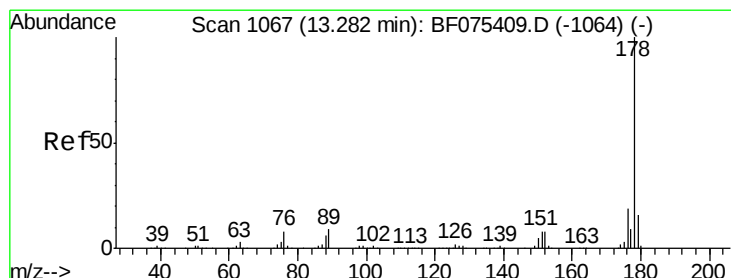
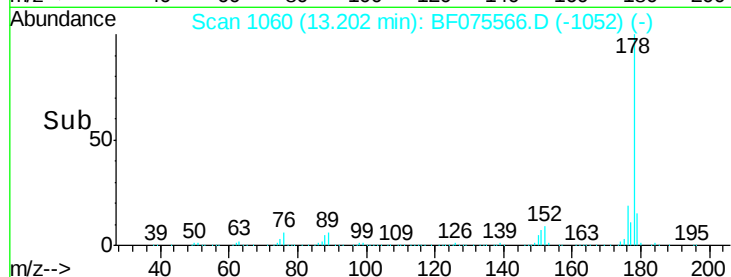
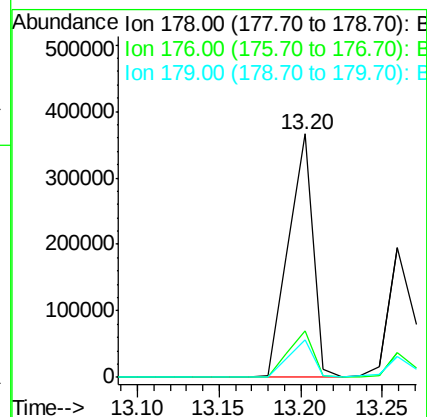
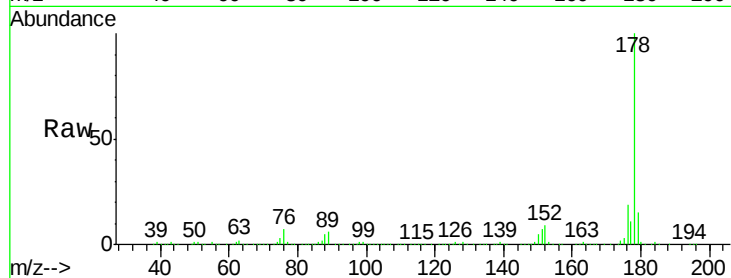




#70
Phenanthrene
Concen: 33.73 ng
RT: 13.20 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

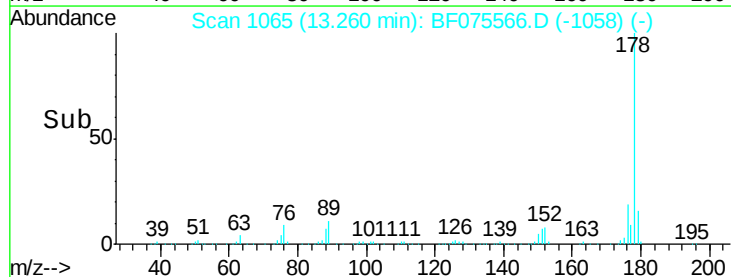
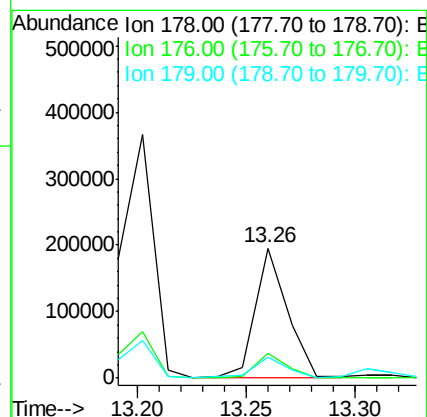
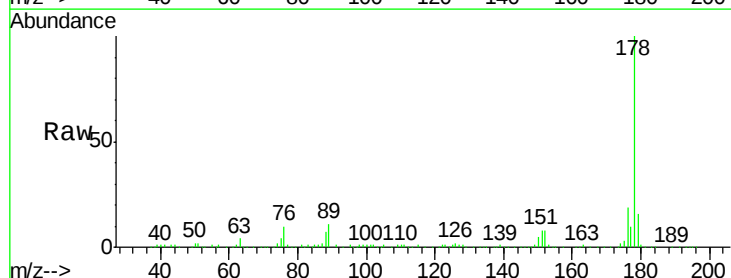
Instrument :
BNA_F
ClientSampleId :
SB-2(4-5)

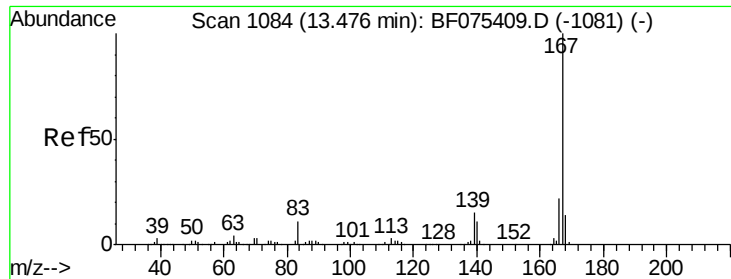
Tgt Ion:178 Resp: 385183
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.2 12.2 18.4



#71
Anthracene
Concen: 16.83 ng
RT: 13.26 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Tgt Ion:178 Resp: 198599
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.9 12.2 18.2





#72

Carbazole

Concen: 2.69 ng

RT: 13.47 min Scan# 1083

Delta R.T. -0.02 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

ClientSampleId :

SB-2(4-5)

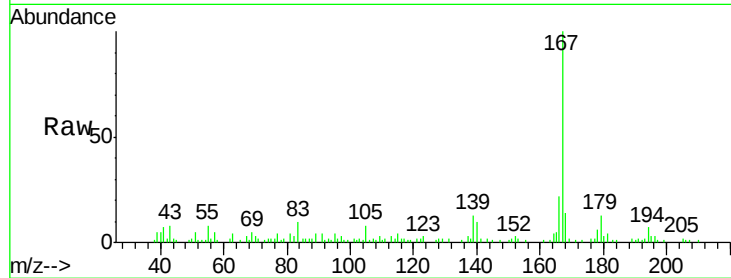
Tgt Ion:167 Resp: 31086

Ion Ratio Lower Upper

167 100

166 22.1 17.4 26.0

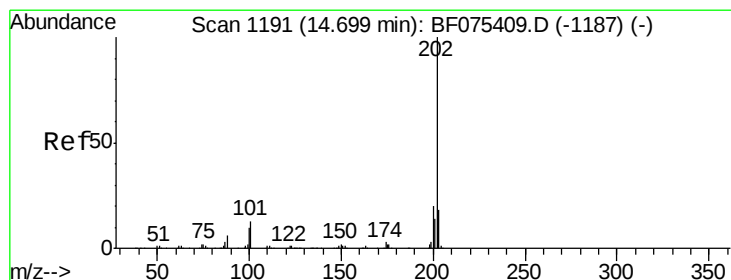
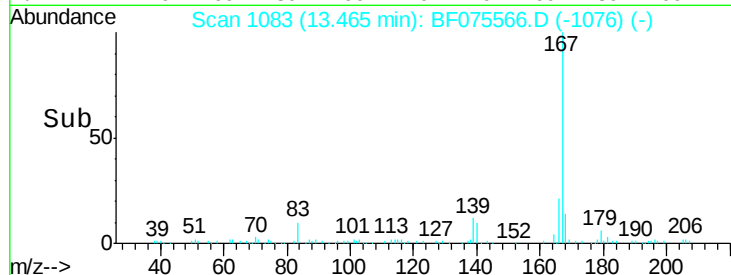
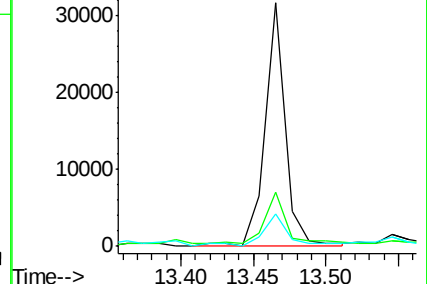
139 13.2 10.1 15.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 68.51 ng

RT: 14.69 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

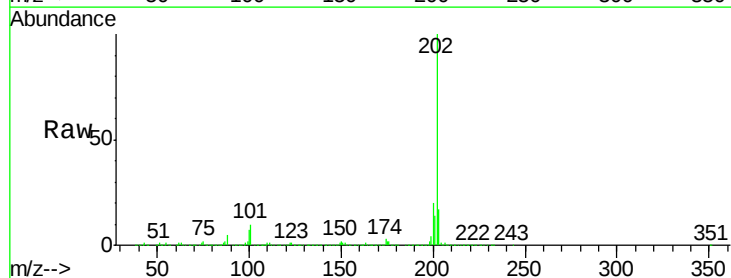
Tgt Ion:202 Resp: 837903

Ion Ratio Lower Upper

202 100

101 10.5 0.0 36.6

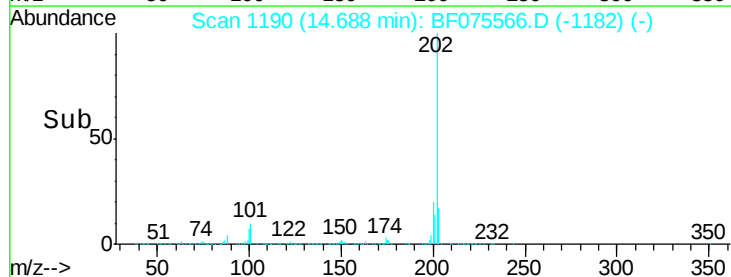
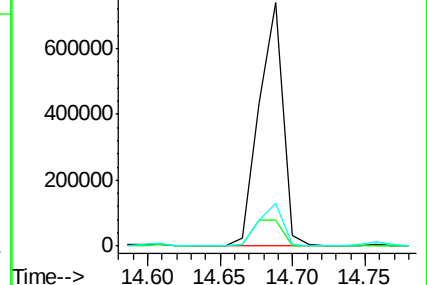
203 17.4 0.0 38.2

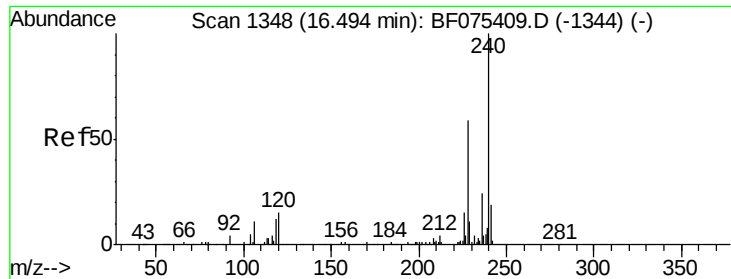


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.47 min Scan# 1346

Delta R.T. -0.07 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

ClientSampleId :

SB-2(4-5)

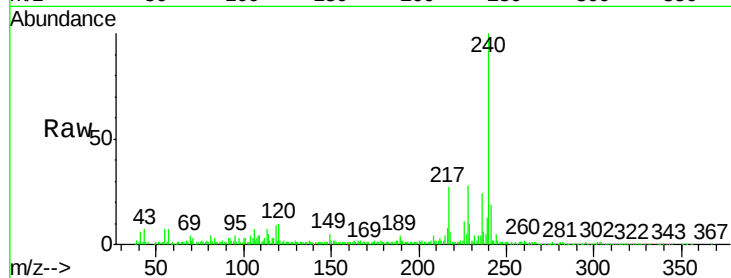
Tgt Ion:240 Resp: 205301

Ion Ratio Lower Upper

240 100

120 10.1 9.6 14.4

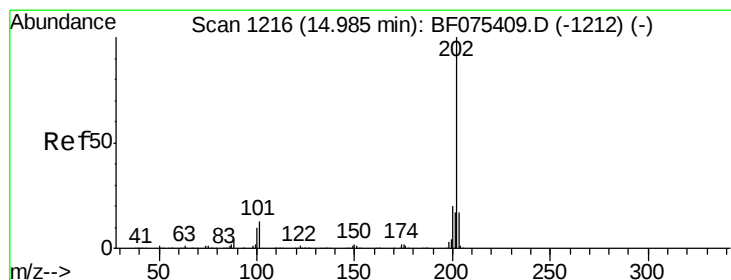
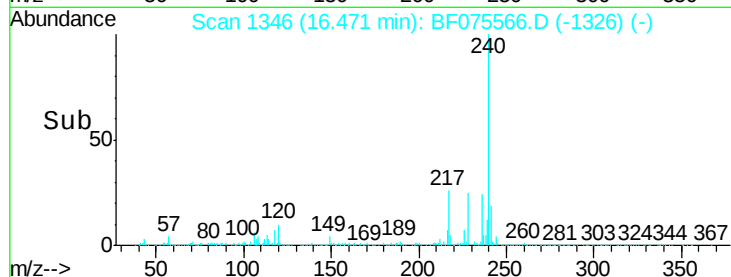
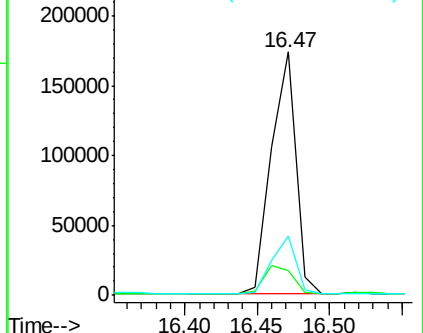
236 24.3 18.9 28.3



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: 67.16 ng

RT: 14.96 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

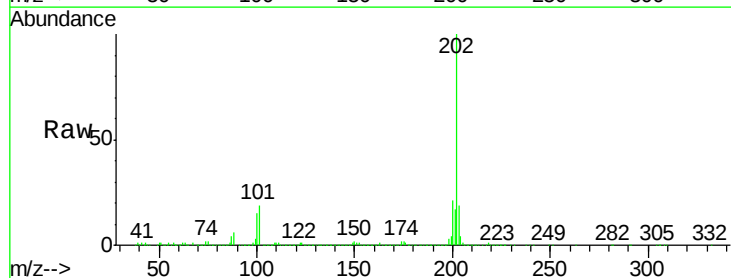
Tgt Ion:202 Resp: 801511

Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

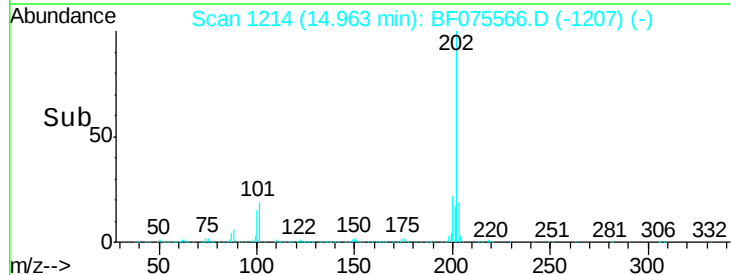
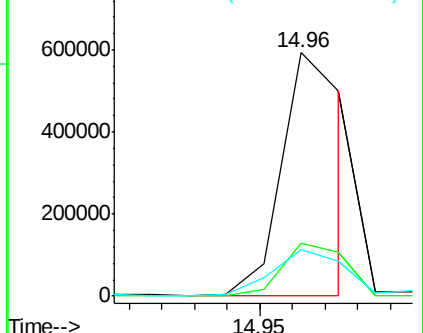
203 19.2 14.3 21.5

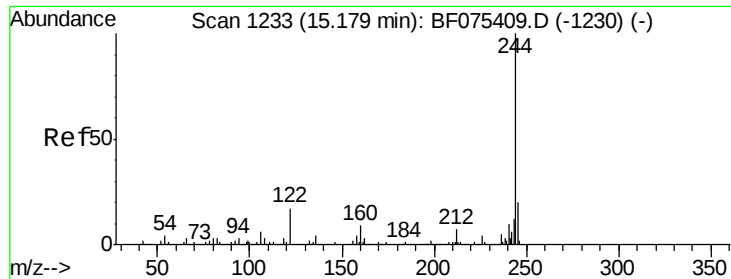


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

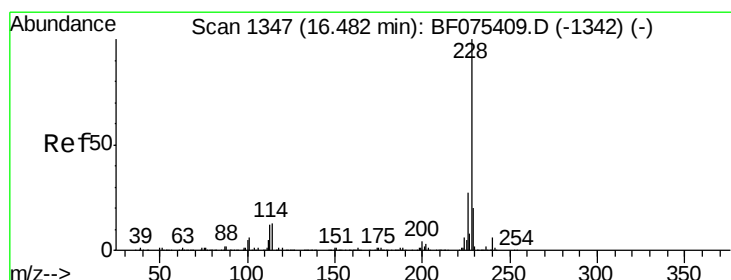
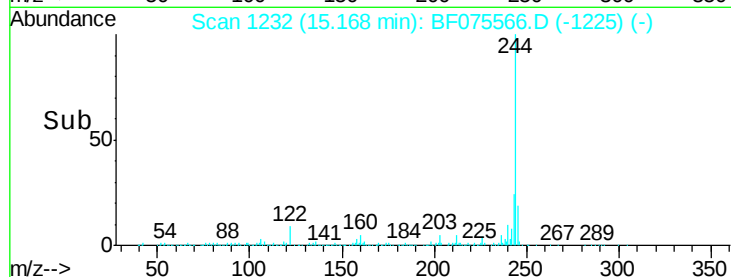
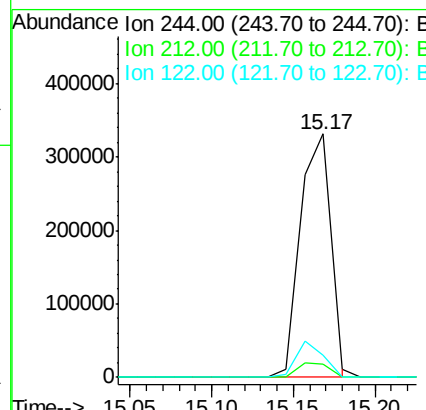
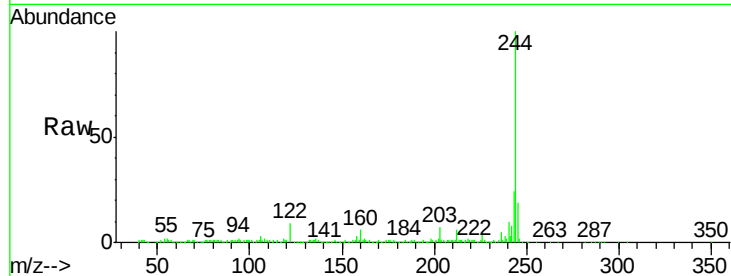




#78
 Terphenyl-d14
 Concen: 56.62 ng
 RT: 15.17 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: BF075566.D
 Acq: 16 Nov 2014 3:04

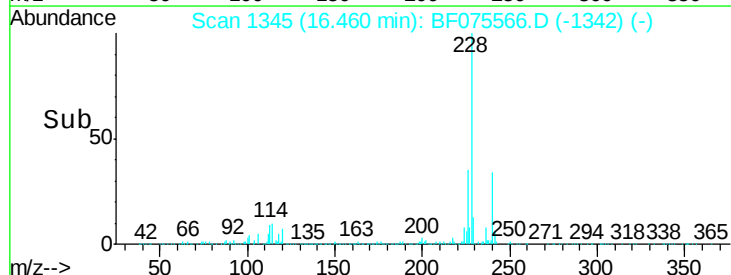
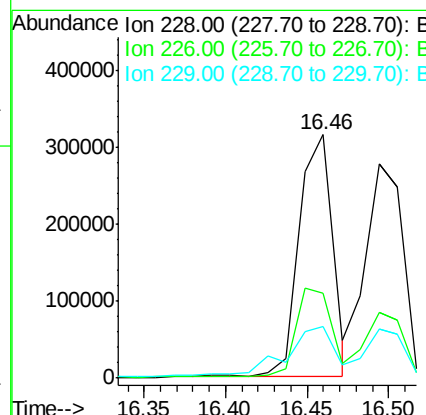
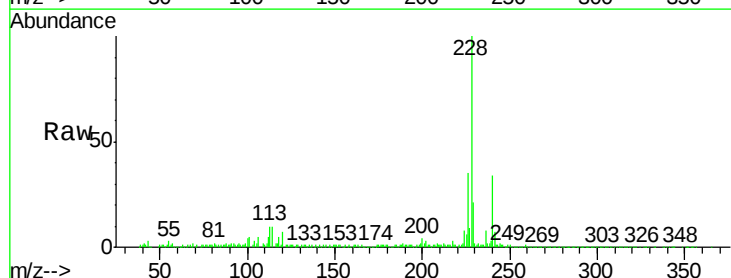
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(4-5)

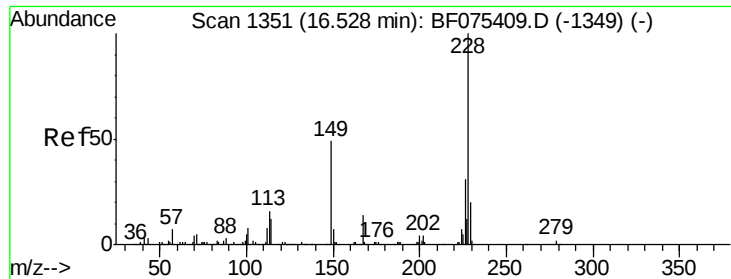
Tgt Ion: 244 Resp: 431771
 Ion Ratio Lower Upper
 244 100
 212 5.6 5.5 8.3
 122 9.1 9.7 14.5#



#80
 Benzo(a)anthracene
 Concen: 41.99 ng
 RT: 16.46 min Scan# 1345
 Delta R.T. -0.07 min
 Lab File: BF075566.D
 Acq: 16 Nov 2014 3:04

Tgt Ion: 228 Resp: 452925
 Ion Ratio Lower Upper
 228 100
 226 35.0 21.8 32.8#
 229 21.2 15.3 22.9





#82

Chrysene

Concen: 46.83 ng

RT: 16.49 min Scan# 1348

Delta R.T. -0.08 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

ClientSampleId :

SB-2(4-5)

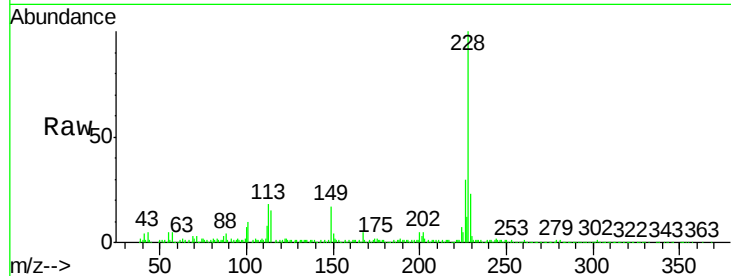
Tgt Ion:228 Resp: 436871

Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.6

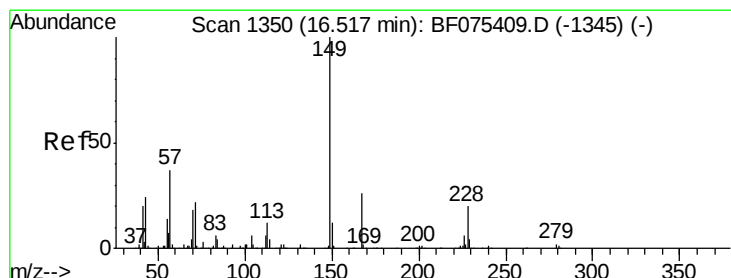
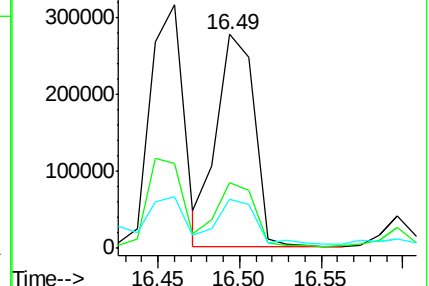
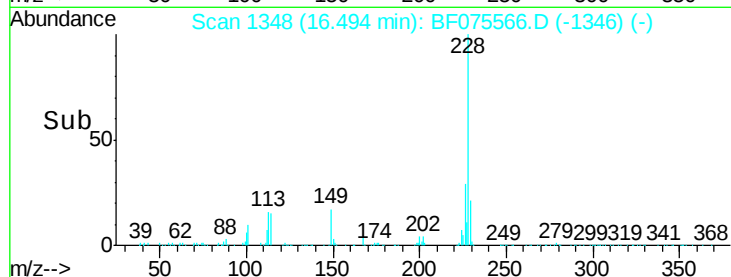
229 23.0 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 10.06 ng

RT: 16.48 min Scan# 1347

Delta R.T. -0.09 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

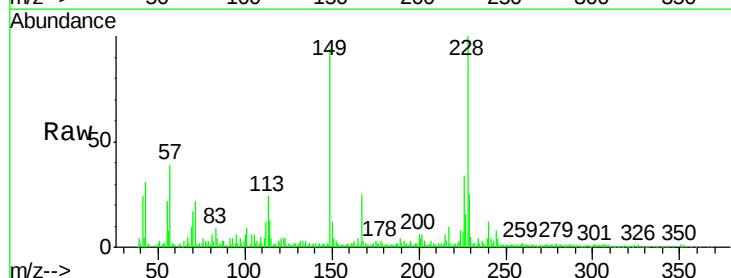
Tgt Ion:149 Resp: 106262

Ion Ratio Lower Upper

149 100

167 26.2 21.4 32.2

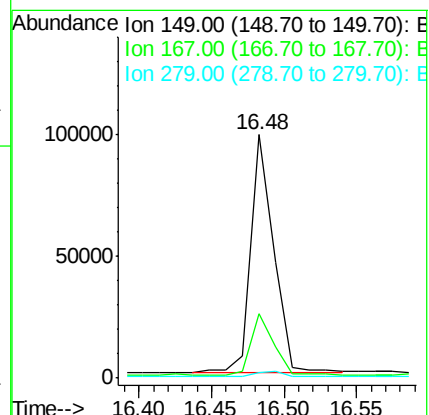
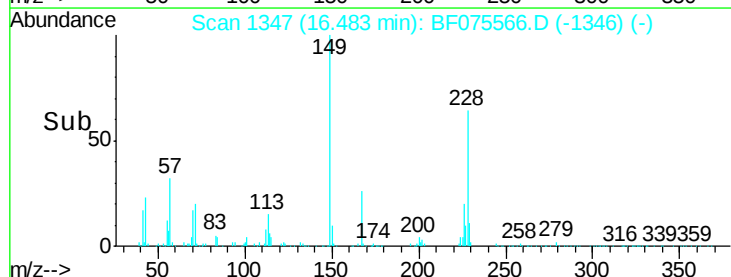
279 2.5 2.8 4.2#

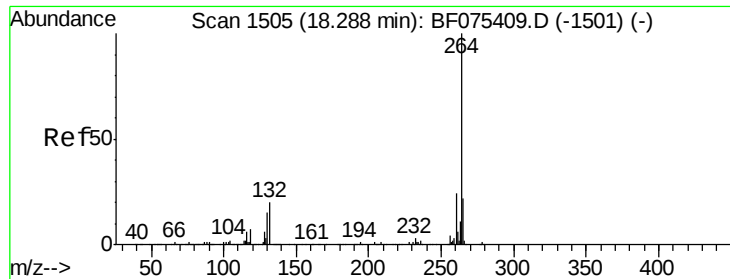


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

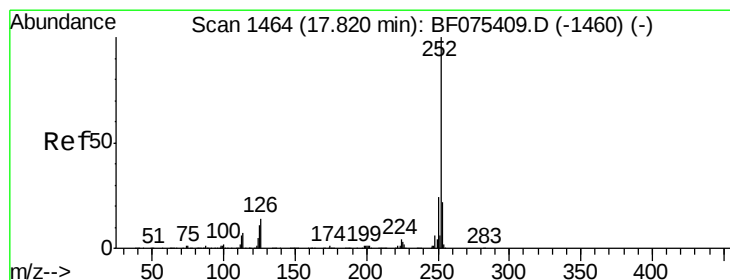
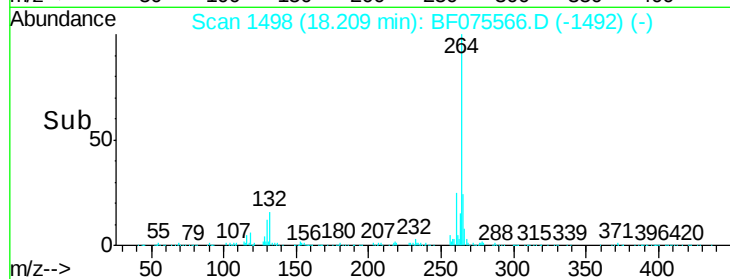
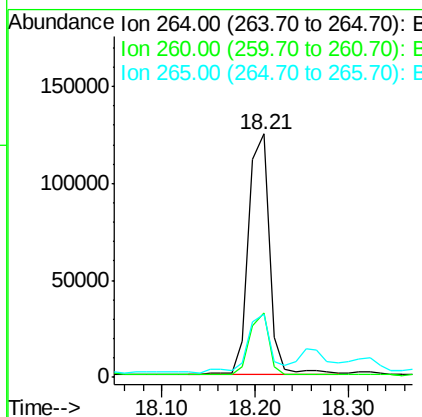
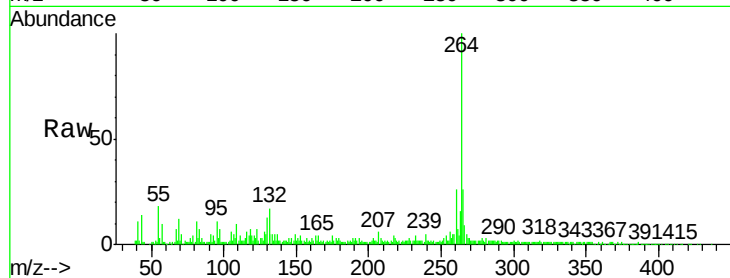




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.21 min Scan# 1498
Delta R.T. -0.23 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

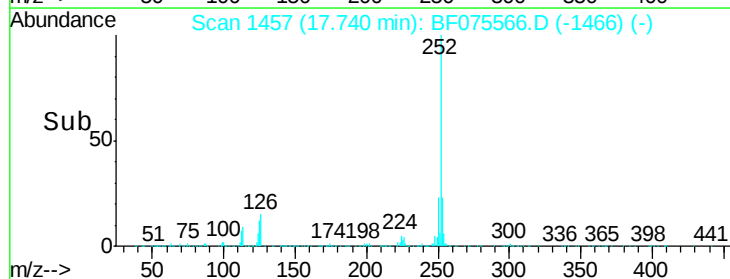
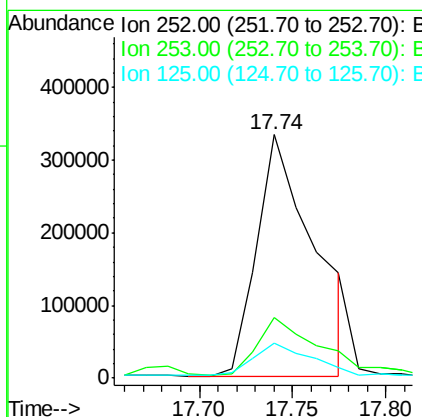
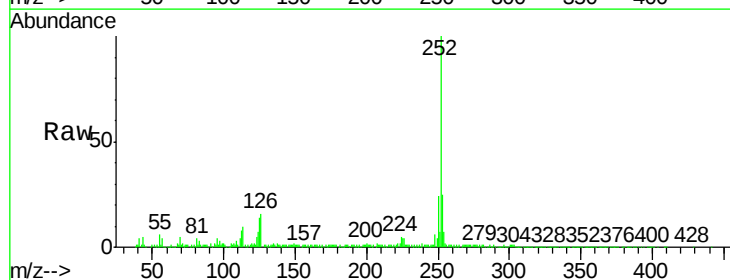
Instrument :
BNA_F
ClientSampleId :
SB-2(4-5)

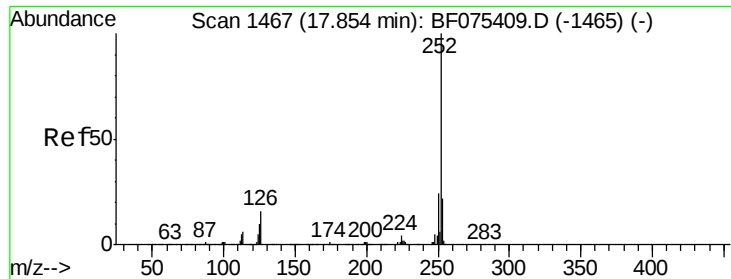
Tgt Ion: 264 Resp: 196320
Ion Ratio Lower Upper
264 100
260 26.2 17.9 26.9
265 26.2 16.3 24.5#



#87
Benzo(b)fluoranthene
Concen: 67.28 ng
RT: 17.74 min Scan# 1457
Delta R.T. -0.21 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Tgt Ion: 252 Resp: 706224
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 14.2 11.8 17.6





#88

Benzo(k)fluoranthene

Concen: 76.12 ng

RT: 17.74 min Scan# 1457

Delta R.T. -0.24 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

ClientSampleId :

SB-2(4-5)

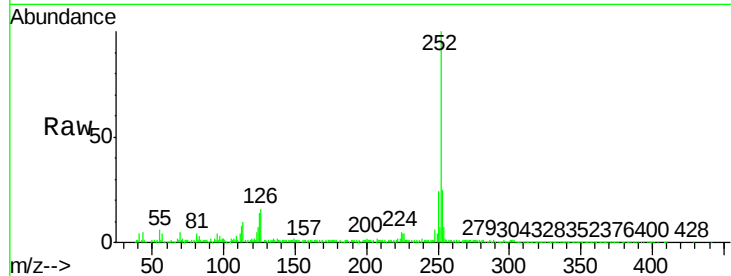
Tgt Ion:252 Resp: 717073

Ion Ratio Lower Upper

252 100

253 24.8 18.1 27.1

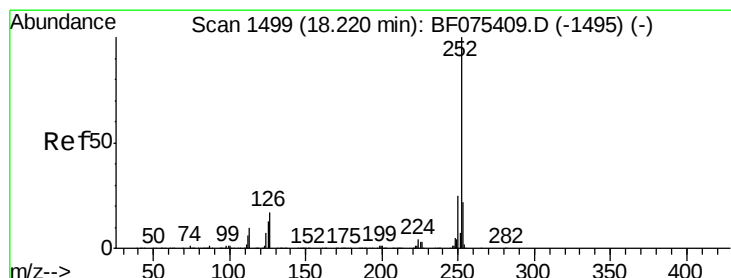
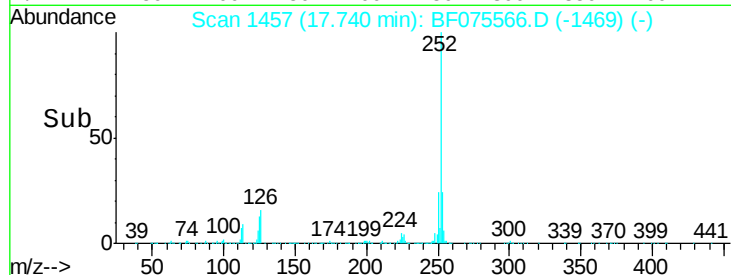
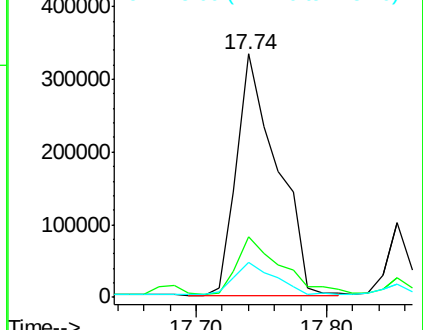
125 14.2 11.6 17.4



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: 44.63 ng

RT: 18.14 min Scan# 1492

Delta R.T. -0.23 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

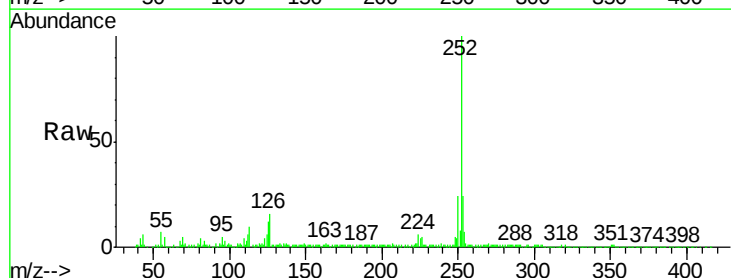
Tgt Ion:252 Resp: 419190

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

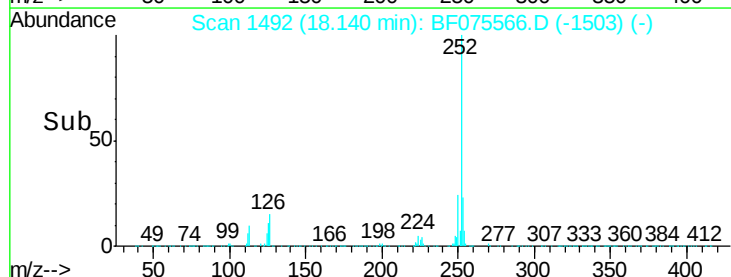
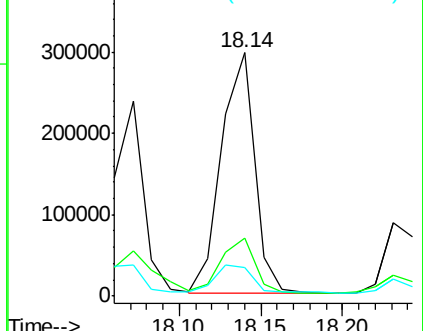
125 11.8 12.2 18.4#

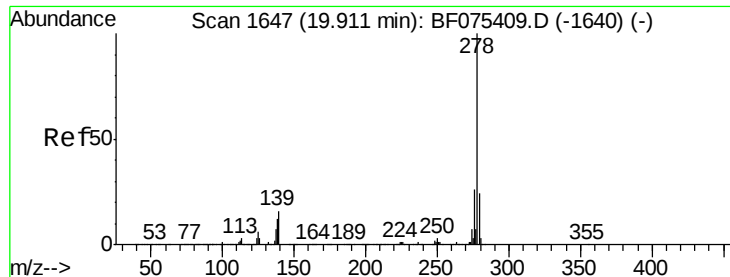


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 7.71 ng

RT: 19.80 min Scan# 1637

Delta R.T. -0.27 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

ClientSampleId :

SB-2(4-5)

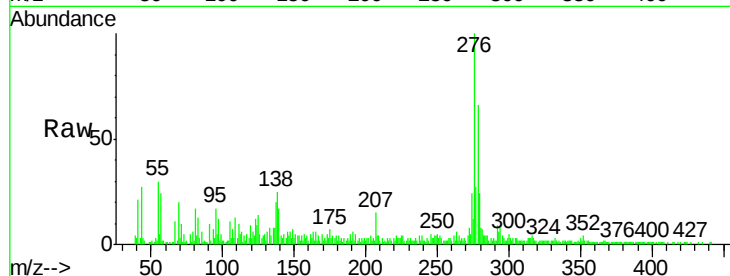
Tgt Ion:278 Resp: 75621

Ion Ratio Lower Upper

278 100

139 25.9 13.6 20.4#

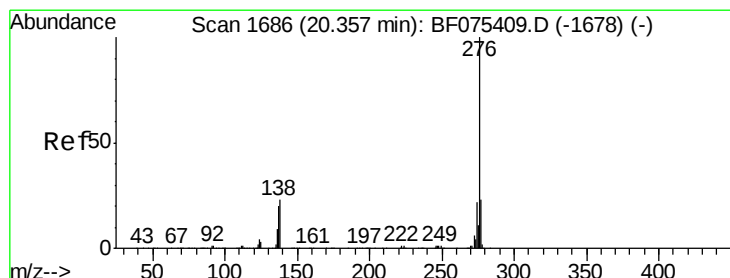
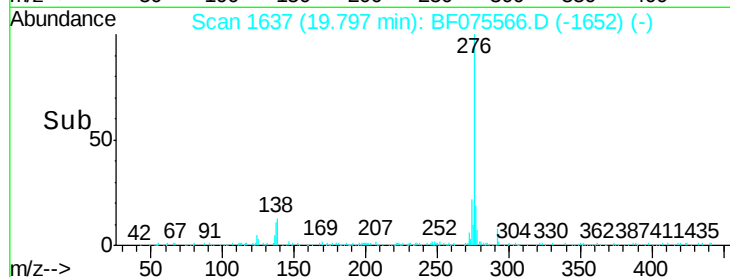
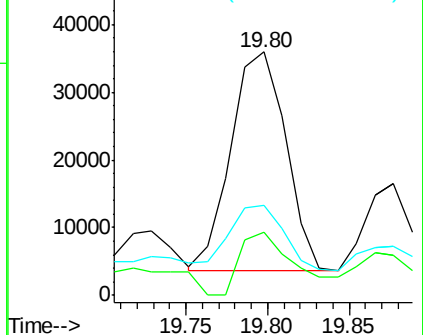
279 37.0 19.4 29.0#



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: 33.28 ng

RT: 20.25 min Scan# 1677

Delta R.T. -0.25 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

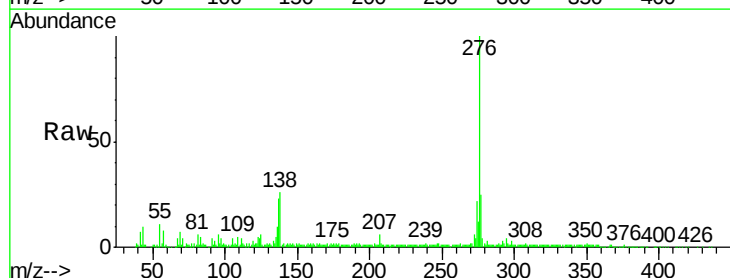
Tgt Ion:276 Resp: 311042

Ion Ratio Lower Upper

276 100

277 24.6 17.8 26.8

138 26.0 22.8 34.2



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

