

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
 Data File : BF079160.D
 Acq On : 12 May 2015 16:24
 Operator : TP/IZ
 Sample : G2155-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-43S

Quant Time: May 13 01:13:07 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 00:53:14 2015
 Response via : Initial Calibration

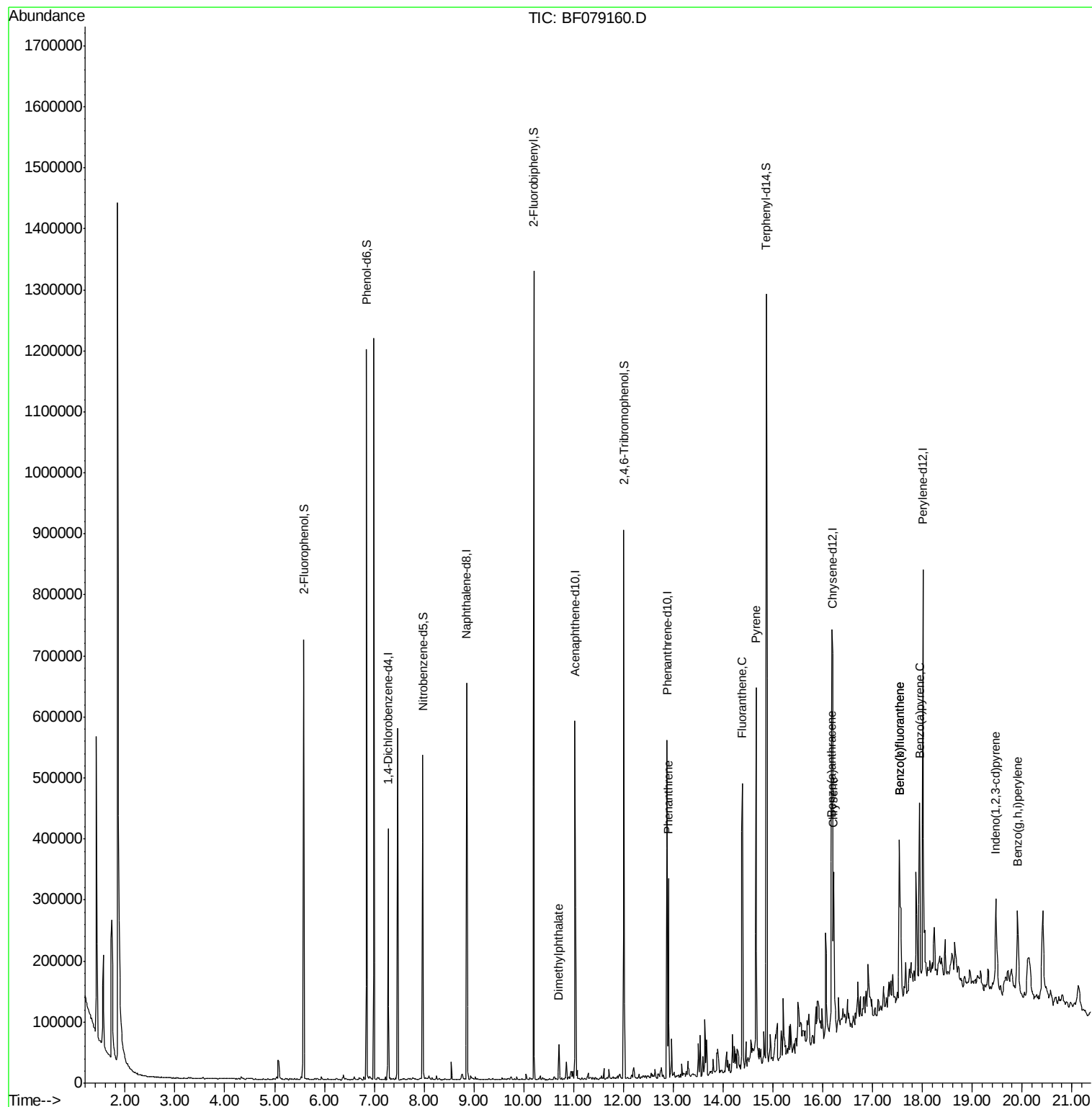
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	64455	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	283279	20.00	ng	0.00
38) Acenaphthene-d10	11.03	164	135678	20.00	ng	-0.01
63) Phenanthrene-d10	12.88	188	263458	20.00	ng	0.00
75) Chrysene-d12	16.19	240	275564	20.00	ng	0.00
86) Perylene-d12	18.01	264	298496	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	296481	79.18	ng	0.01
7) Phenol-d6	6.84	99	400300	80.88	ng	0.00
23) Nitrobenzene-d5	7.98	82	223582	45.36	ng	0.00
41) 2,4,6-Tribromophenol	12.01	330	113031	77.01	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	442921	45.48	ng	0.00
78) Terphenyl-d14	14.87	244	490605	42.62	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.71	163	22688	2.28	ng	# 97
70) Phenanthrene	12.90	178	130436	8.85	ng	99
74) Fluoranthene	14.39	202	271630	17.69	ng	92
77) Pyrene	14.66	202	264808	16.68	ng	98
80) Benzo(a)anthracene	16.17	228	135135	8.96	ng	95
82) Chrysene	16.22	228	135514	9.34	ng	97
85) Indeno(1,2,3-cd)pyrene	19.47	276	103621	5.60	ng	# 100
87) Benzo(b)fluoranthene	17.54	252	248233	15.19	ng	98
88) Benzo(k)fluoranthene	17.54	252	250698	15.85	ng	98
89) Benzo(a)pyrene	17.94	252	137499	9.14	ng	# 97
91) Benzo(g,h,i)perylene	19.91	276	106021	6.62	ng	96

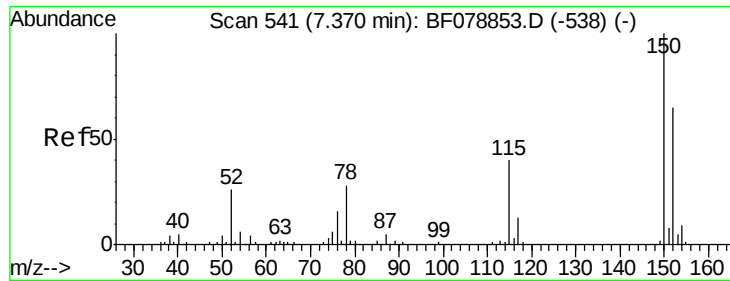
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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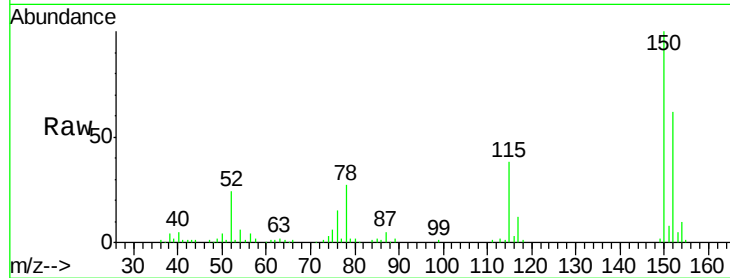




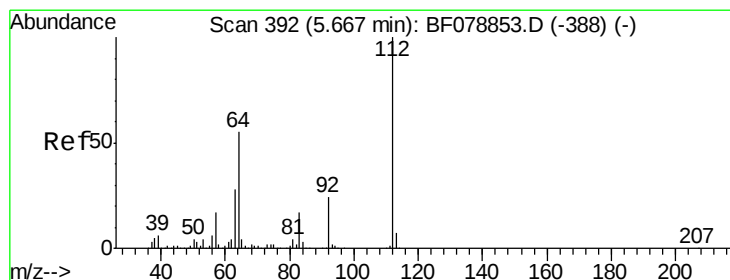
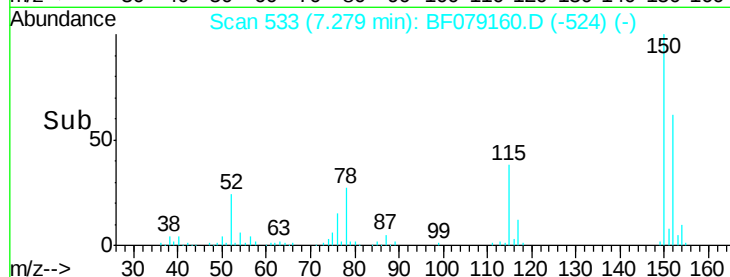
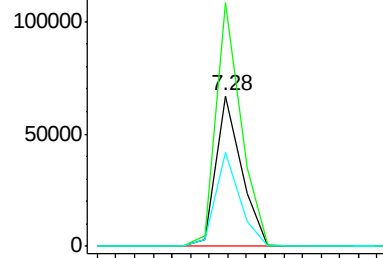
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.28 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF079160.D
 Acq: 12 May 2015 16:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-43S

Tgt Ion:152 Resp: 64455
 Ion Ratio Lower Upper
 152 100
 150 161.6 122.0 183.0
 115 62.1 46.3 69.5

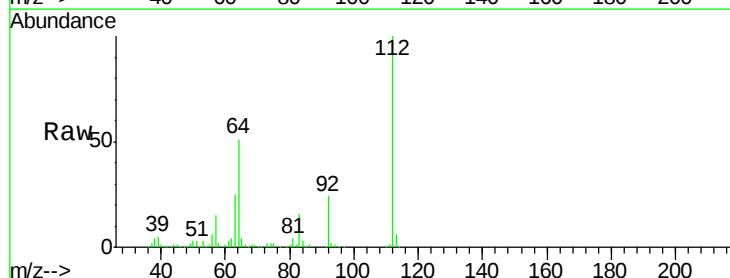


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

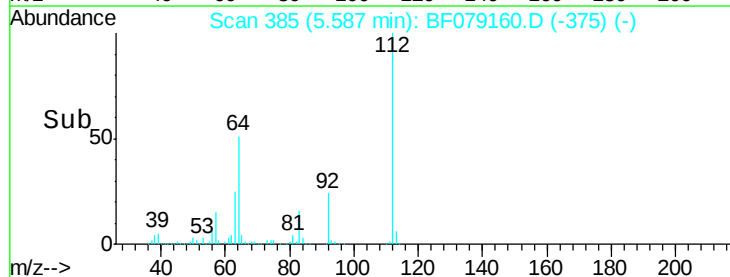
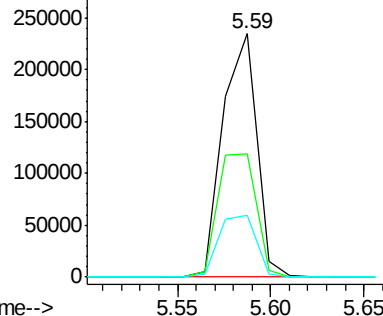


#5
 2-Fluorophenol
 Concen: 79.18 ng
 RT: 5.59 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: BF079160.D
 Acq: 12 May 2015 16:24

Tgt Ion:112 Resp: 296481
 Ion Ratio Lower Upper
 112 100
 64 50.8 53.5 80.3#
 63 25.4 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: 80.88 ng

RT: 6.84 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

Instrument :

BNA_F

ClientSampleId :

SB-43S

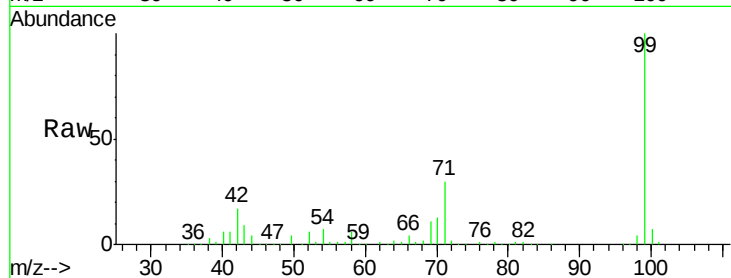
Tgt Ion: 99 Resp: 400300

Ion Ratio Lower Upper

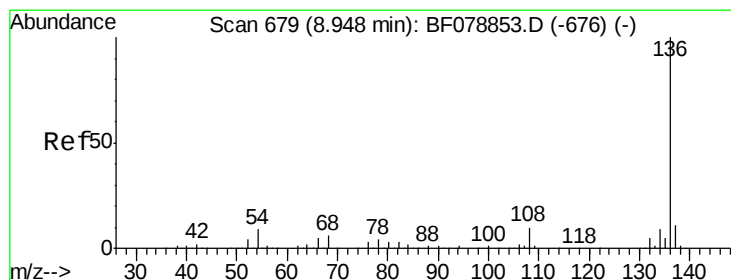
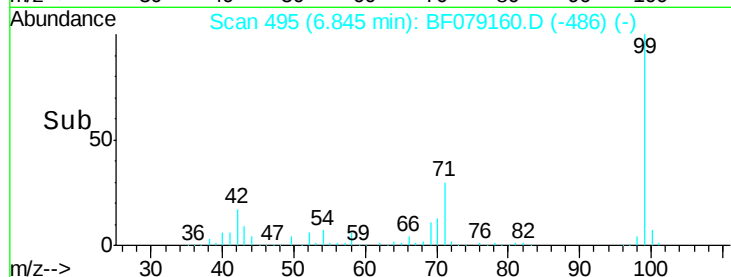
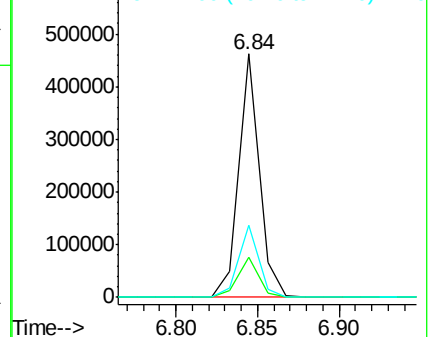
99 100

42 16.6 12.8 19.2

71 29.6 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.86 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

Tgt Ion: 136 Resp: 283279

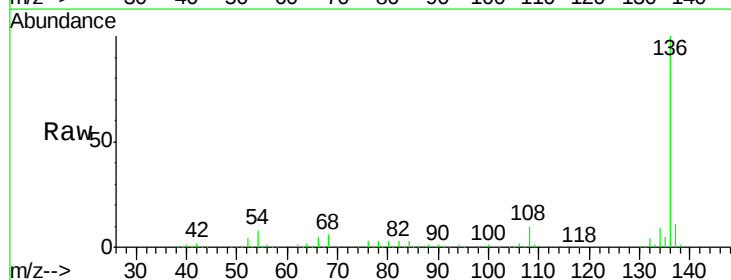
Ion Ratio Lower Upper

136 100

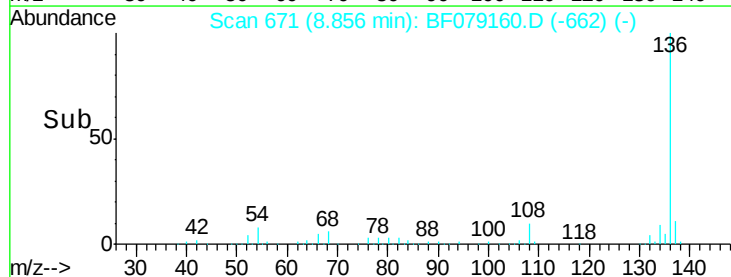
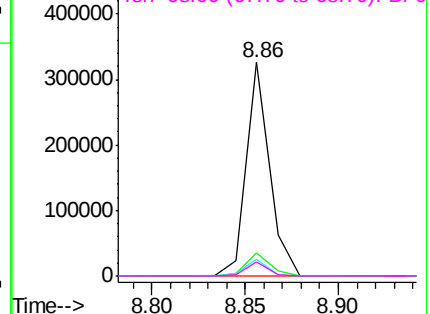
137 11.1 8.7 13.1

54 7.9 5.8 8.8

68 6.4 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: 45.36 ng

RT: 7.98 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

Instrument :

BNA_F

ClientSampleId :

SB-43S

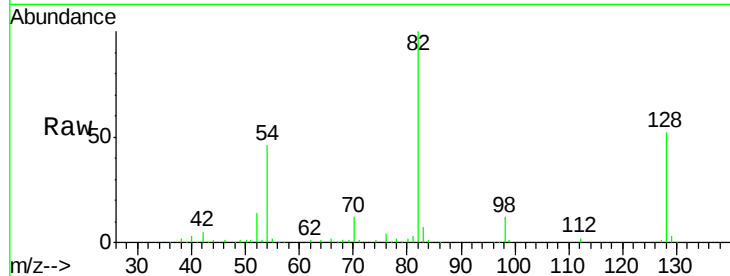
Tgt Ion: 82 Resp: 223582

Ion Ratio Lower Upper

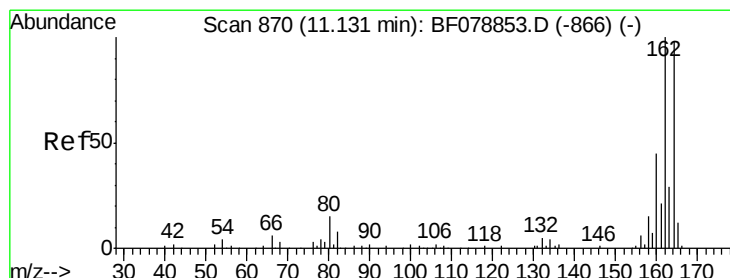
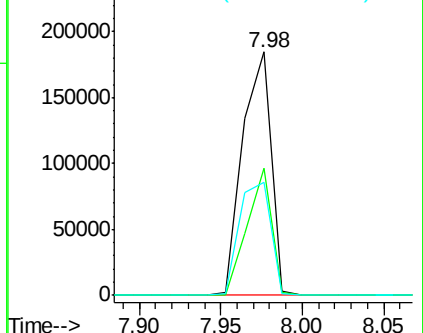
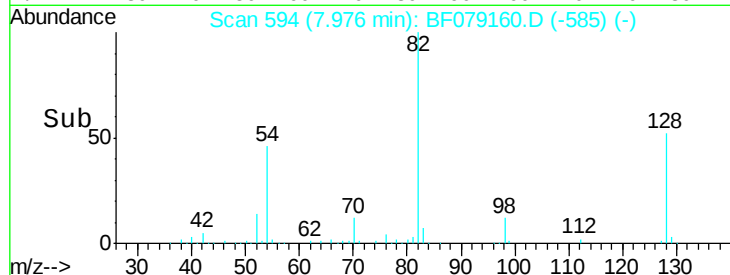
82 100

128 52.1 30.0 45.0#

54 46.3 46.4 69.6#



Abundance Ion 82.00 (81.70 to 82.70): BF079160.D (-585) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.03 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

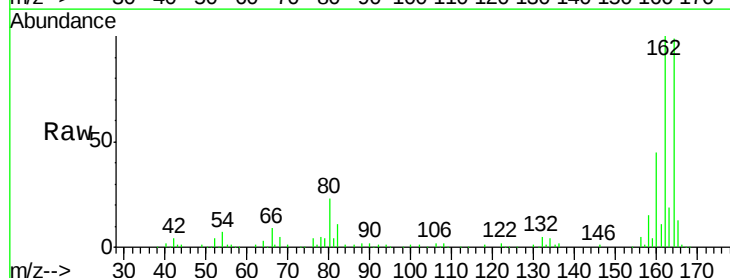
Tgt Ion: 164 Resp: 135678

Ion Ratio Lower Upper

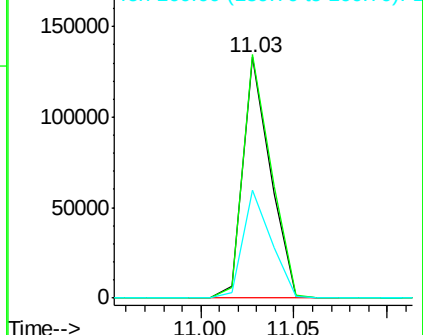
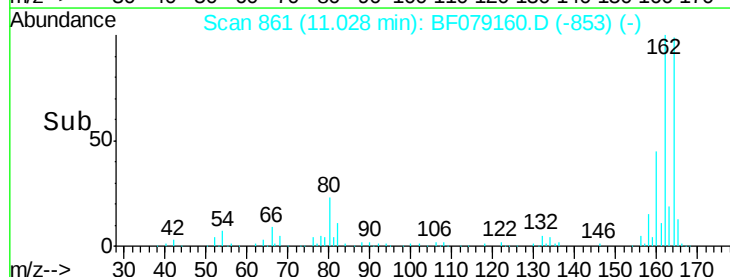
164 100

162 101.2 82.7 124.1

160 45.1 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): BF079160.D (-853) (-)

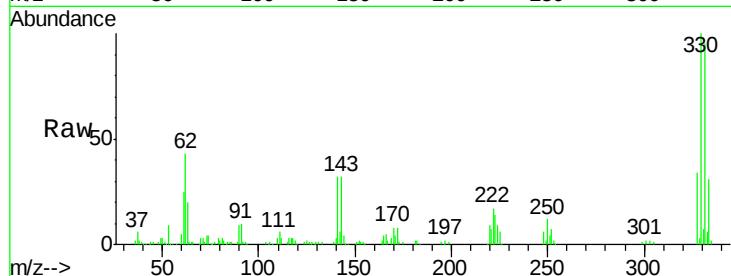




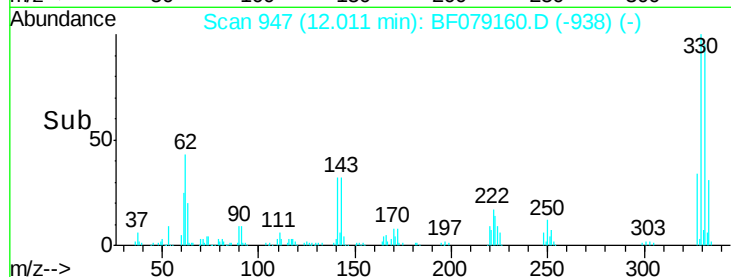
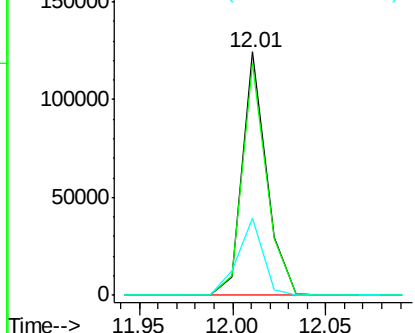
#41
 2,4,6-Tribromophenol
 Concen: 77.01 ng
 RT: 12.01 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF079160.D
 Acq: 12 May 2015 16:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-43S

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	33.4	0.0	0.0#

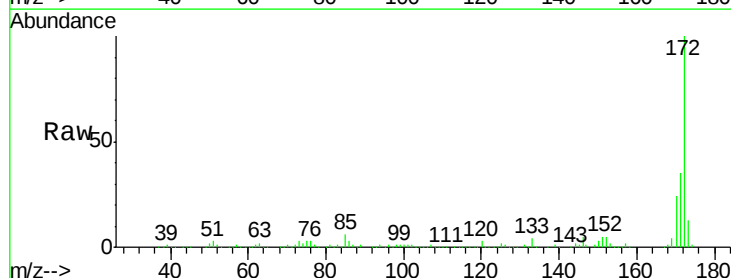


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

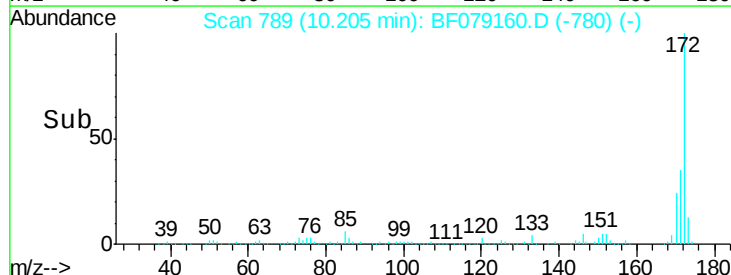
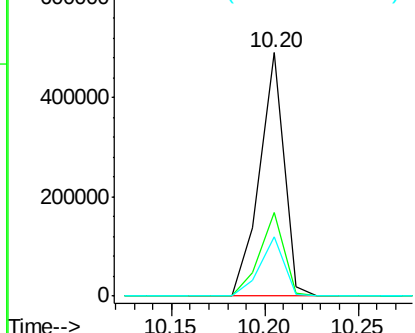


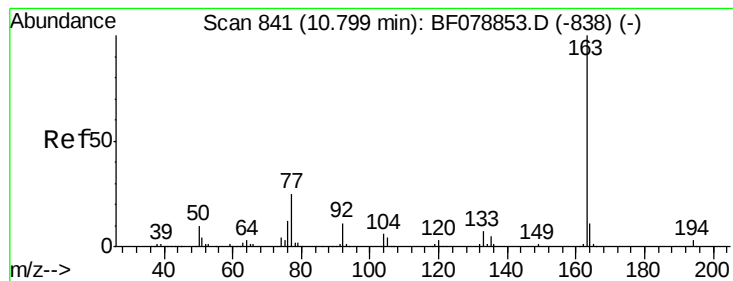
#44
 2-Fluorobiphenyl
 Concen: 45.48 ng
 RT: 10.20 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079160.D
 Acq: 12 May 2015 16:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	24.3	19.4	29.0



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: 2.28 ng

RT: 10.71 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

Instrument :

BNA_F

ClientSampleId :

SB-43S

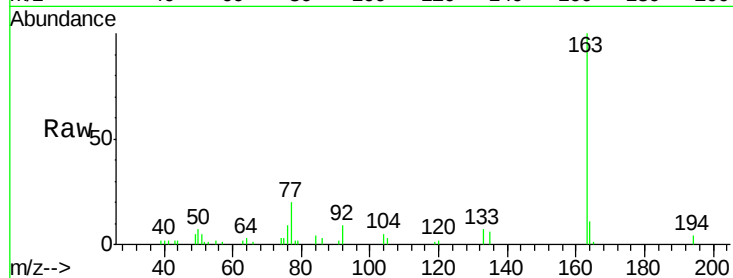
Tgt Ion:163 Resp: 22688

Ion Ratio Lower Upper

163 100

194 4.1 2.6 4.0#

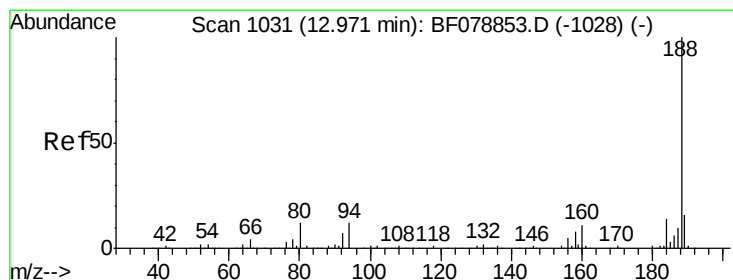
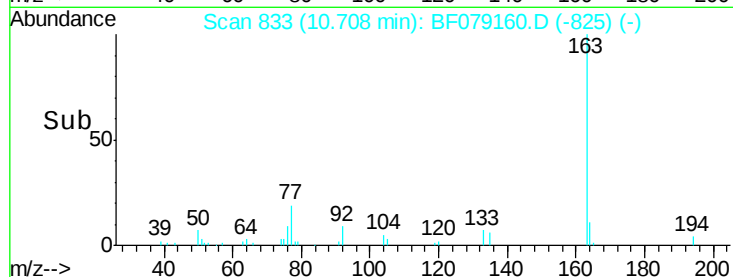
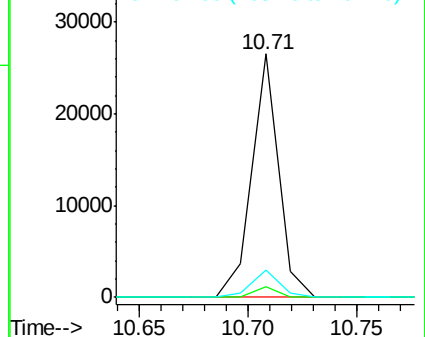
164 11.3 8.1 12.1



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: 12.88 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

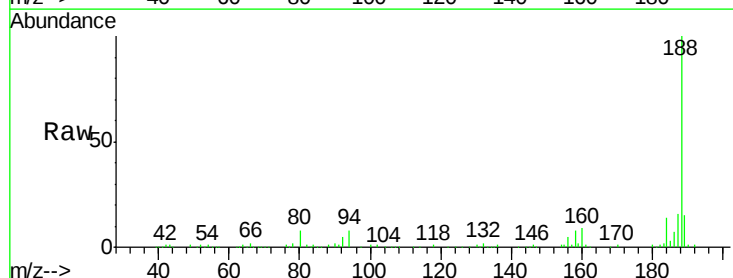
Tgt Ion:188 Resp: 263458

Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

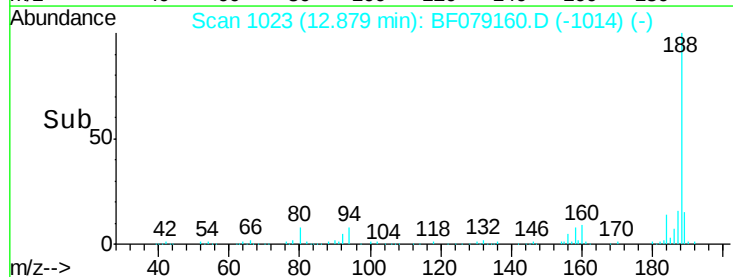
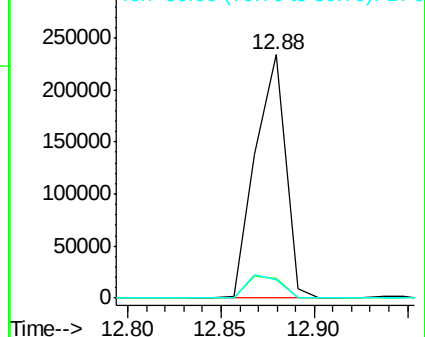
80 7.7 8.9 13.3#

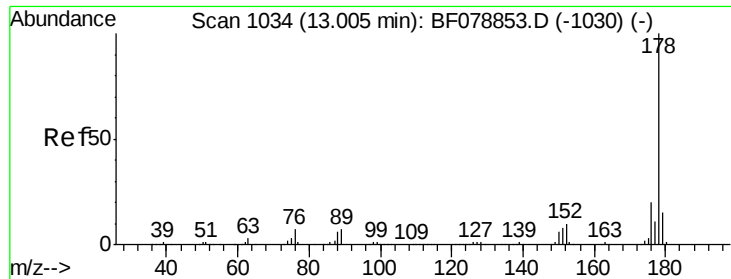


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

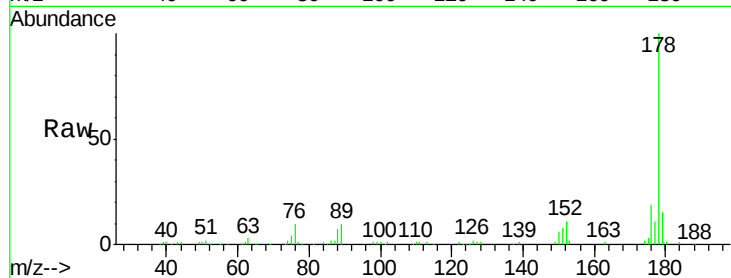




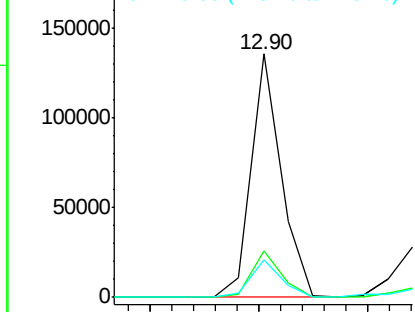
#70
Phenanthrene
Concen: 8.85 ng
RT: 12.90 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF079160.D
Acq: 12 May 2015 16:24

Instrument :
BNA_F
ClientSampleId :
SB-43S

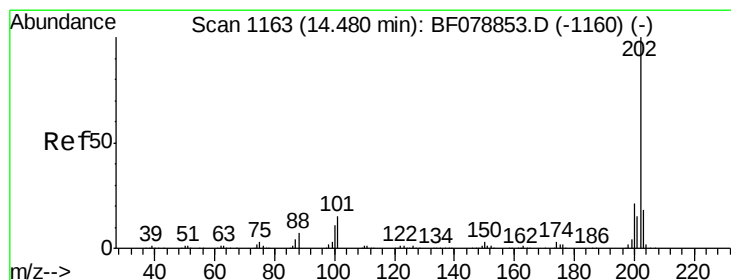
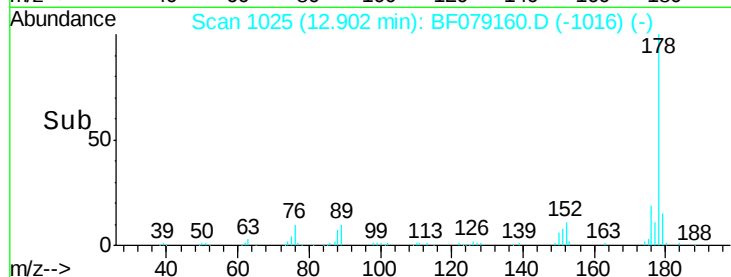
Tgt Ion:178 Resp: 130436
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.3 12.5 18.7



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

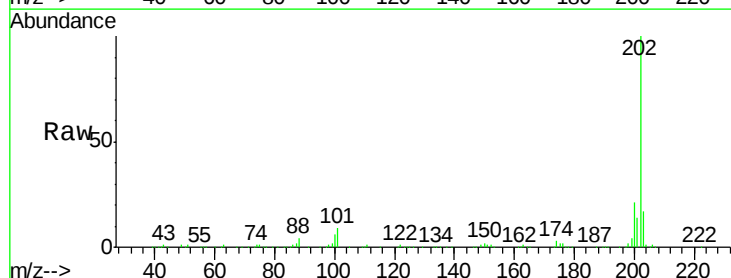


Time--> 12.85 12.90 12.95

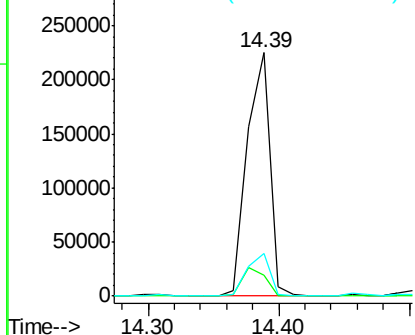


#74
Fluoranthene
Concen: 17.69 ng
RT: 14.39 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF079160.D
Acq: 12 May 2015 16:24

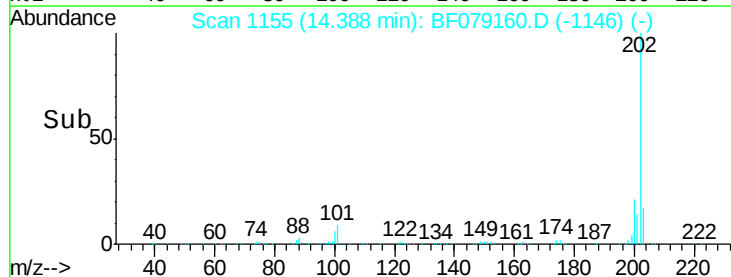
Tgt Ion:202 Resp: 271630
Ion Ratio Lower Upper
202 100
101 8.7 0.0 34.6
203 17.3 0.0 38.4

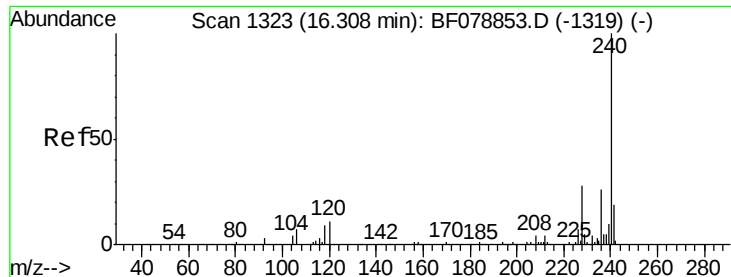


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 14.30 14.40





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.19 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

Instrument :

BNA_F

ClientSampleId :

SB-43S

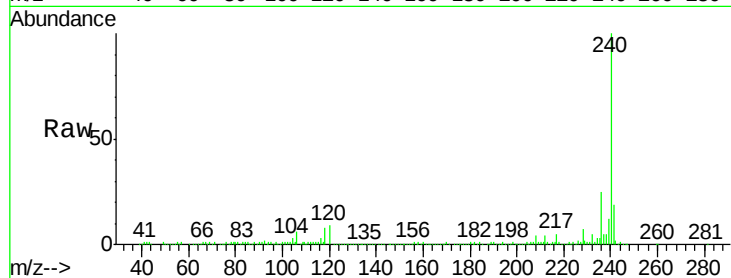
Tgt Ion:240 Resp: 275564

Ion Ratio Lower Upper

240 100

120 9.1 9.7 14.5#

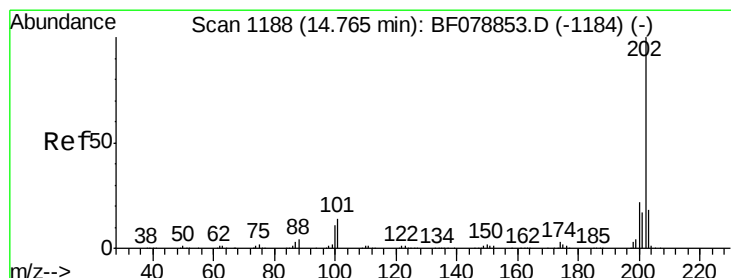
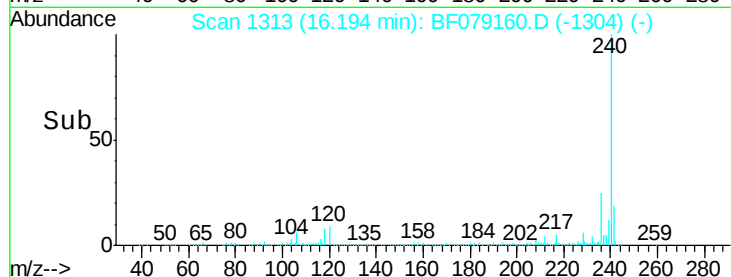
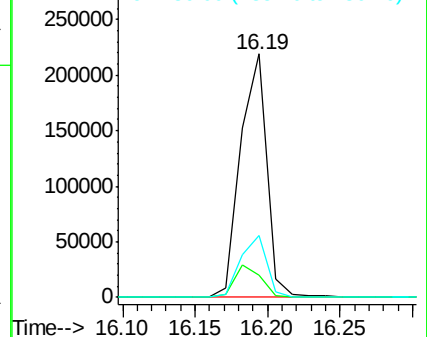
236 25.4 20.2 30.4



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: 16.68 ng

RT: 14.66 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

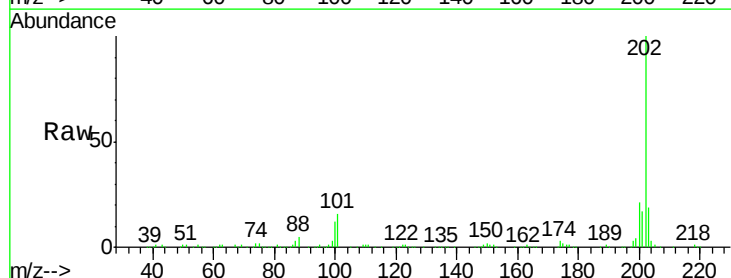
Tgt Ion:202 Resp: 264808

Ion Ratio Lower Upper

202 100

200 21.4 17.5 26.3

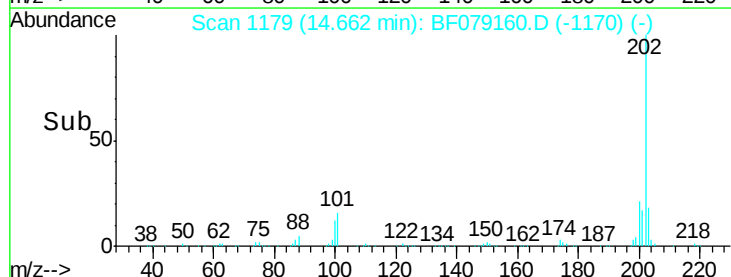
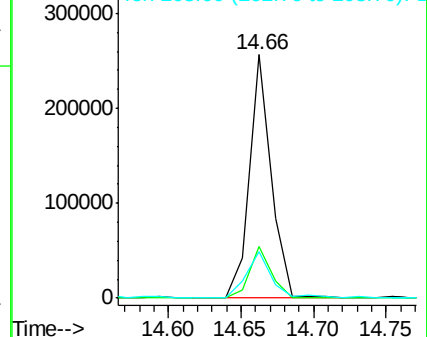
203 18.9 13.9 20.9

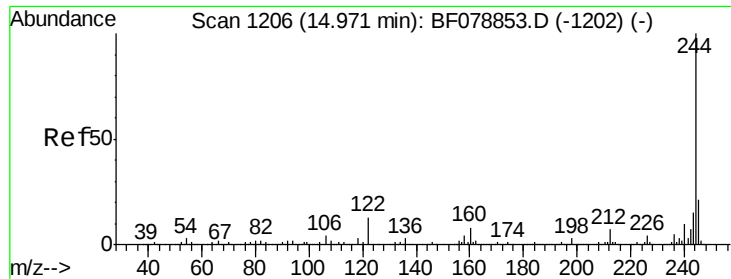


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 42.62 ng

RT: 14.87 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

Instrument :

BNA_F

ClientSampled :

SB-43S

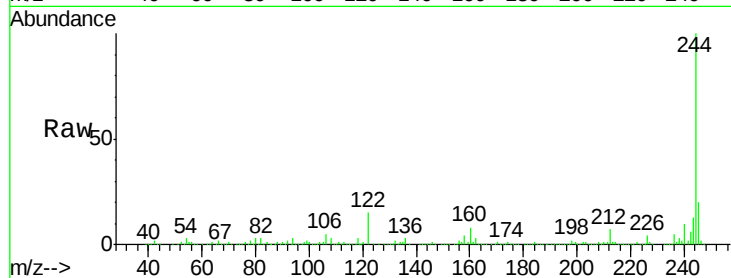
Tgt Ion:244 Resp: 490605

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

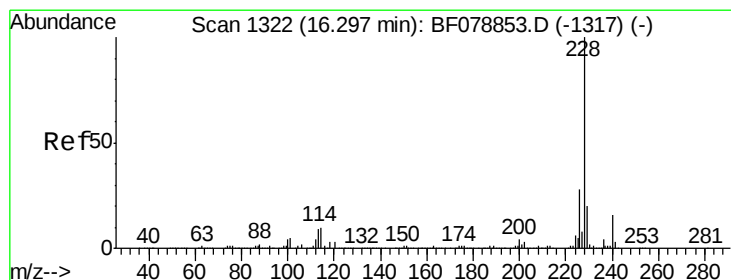
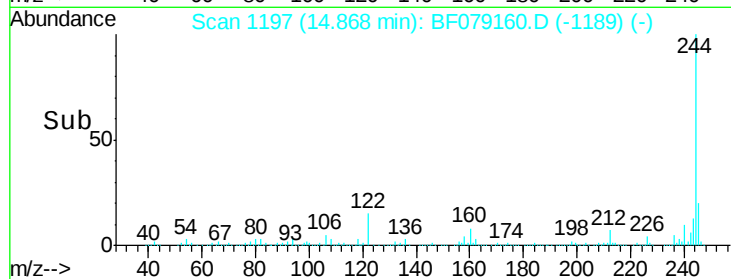
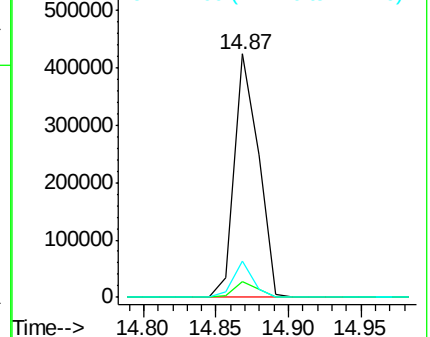
122 14.7 10.3 15.5



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: 8.96 ng

RT: 16.17 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

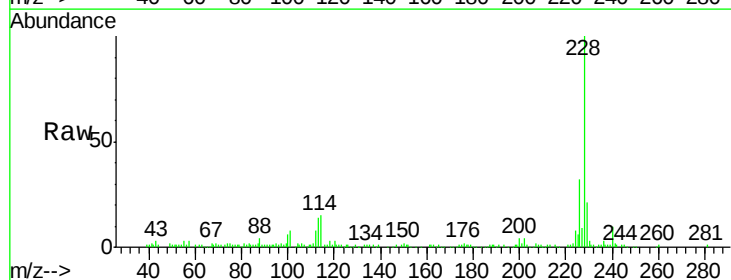
Tgt Ion:228 Resp: 135135

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

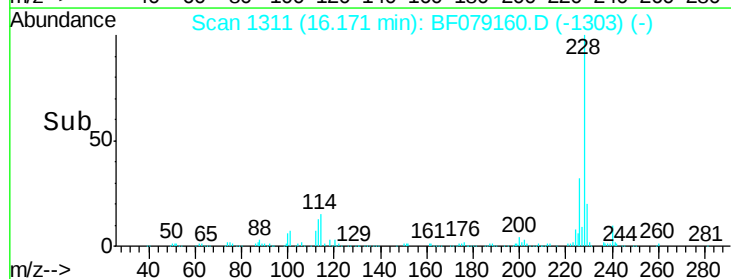
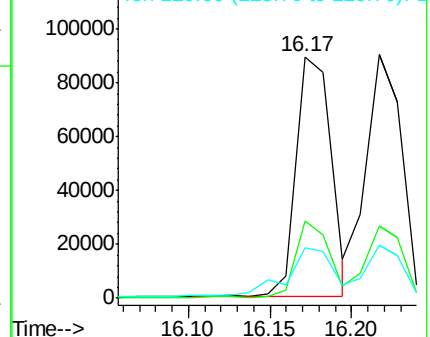
229 20.8 15.9 23.9

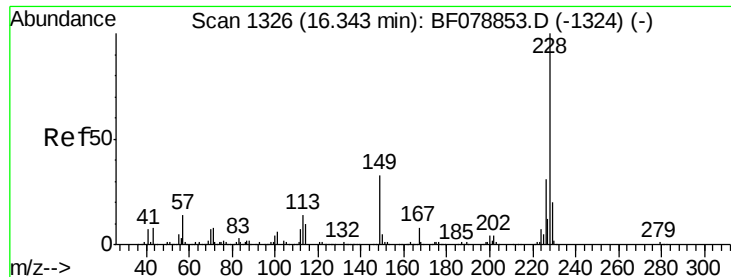


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.34 ng

RT: 16.22 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

Instrument :

BNA_F

ClientSampleId :

SB-43S

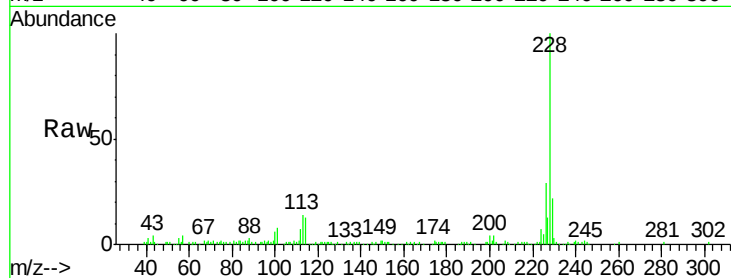
Tgt Ion:228 Resp: 135514

Ion Ratio Lower Upper

228 100

226 29.4 24.9 37.3

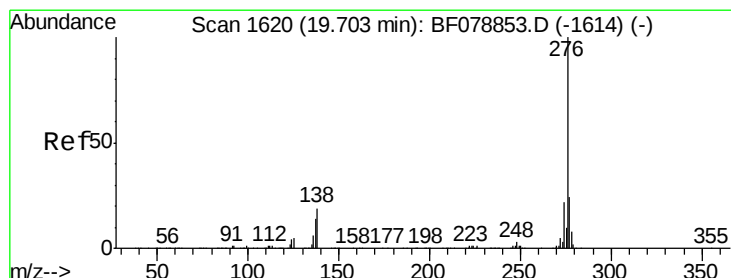
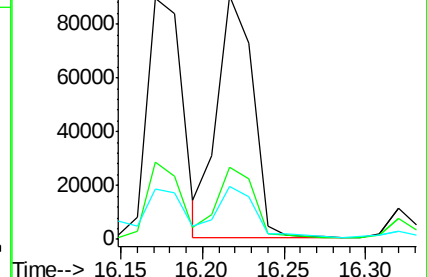
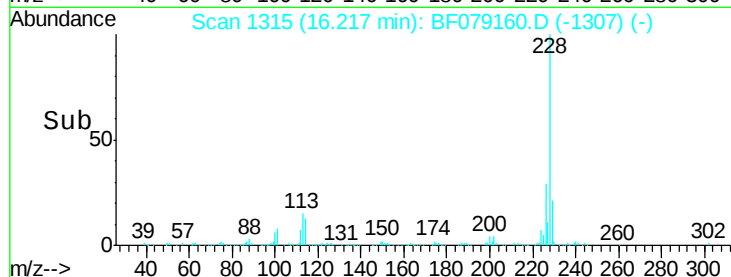
229 21.8 16.0 24.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.60 ng

RT: 19.47 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

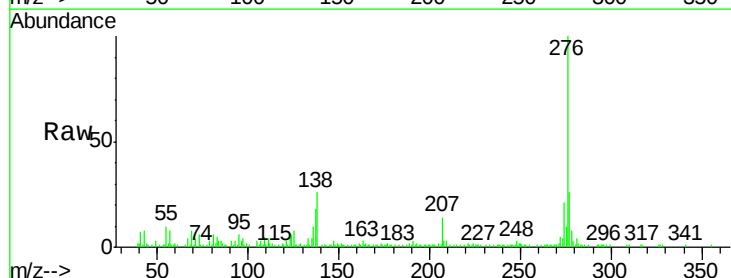
Tgt Ion:276 Resp: 103621

Ion Ratio Lower Upper

276 100

138 26.7 0.0 0.0#

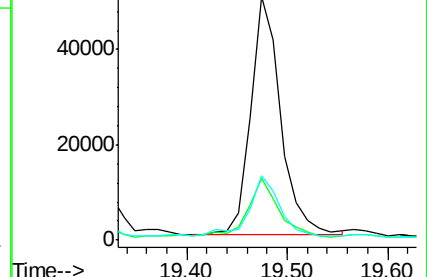
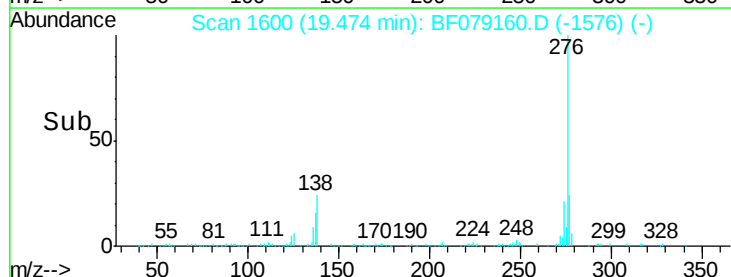
277 25.2 0.0 0.0#

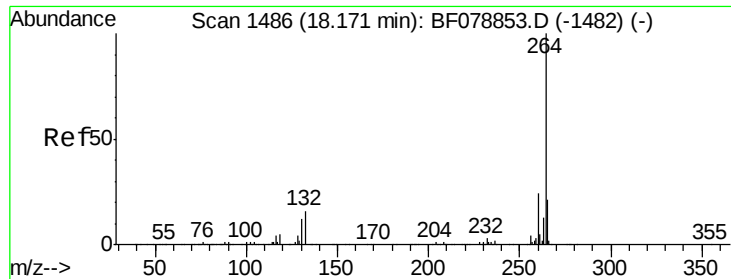


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

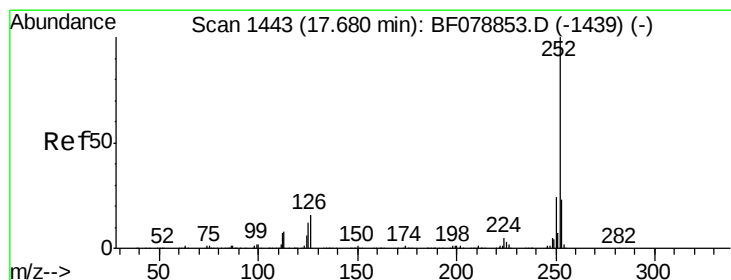
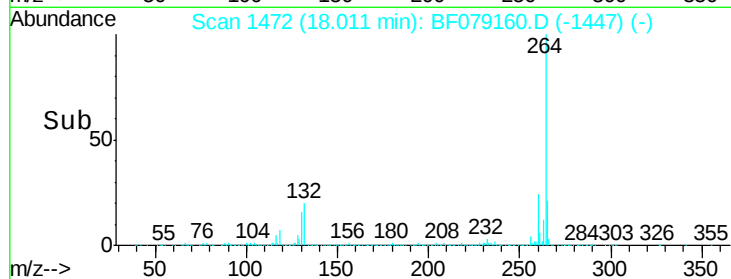
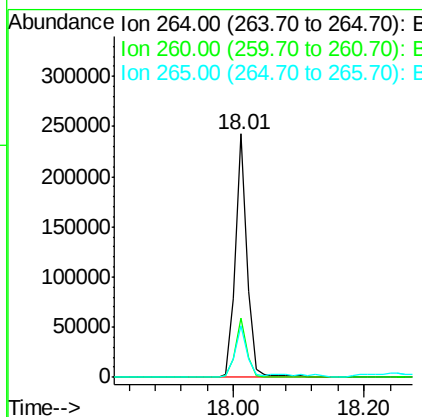
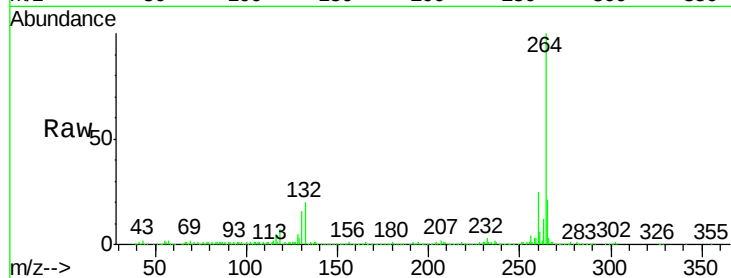




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BF079160.D
Acq: 12 May 2015 16:24

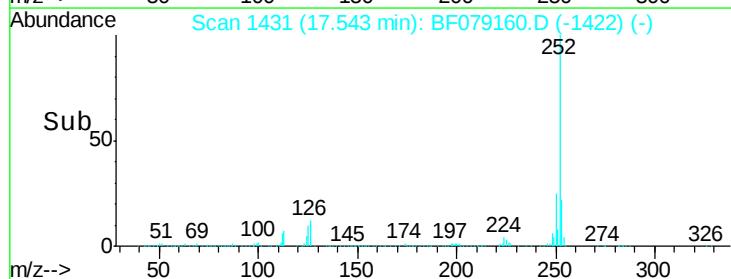
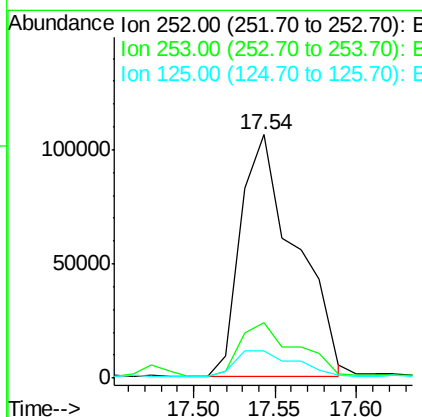
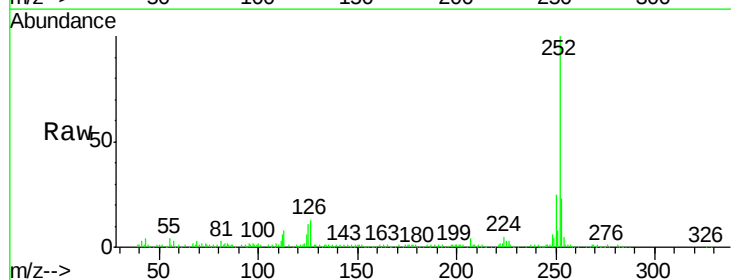
Instrument :
BNA_F
ClientSampleId :
SB-43S

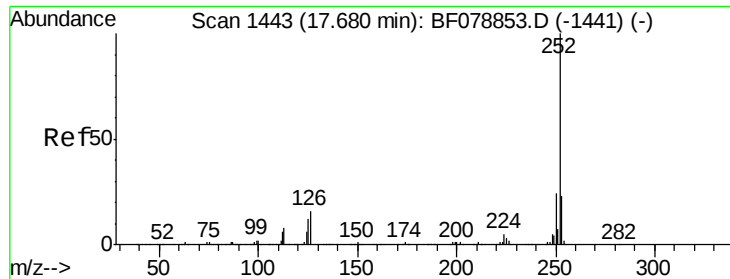
Tgt Ion: 264 Resp: 298496
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 21.4 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 15.19 ng
RT: 17.54 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BF079160.D
Acq: 12 May 2015 16:24

Tgt Ion: 252 Resp: 248233
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 11.2 9.5 14.3

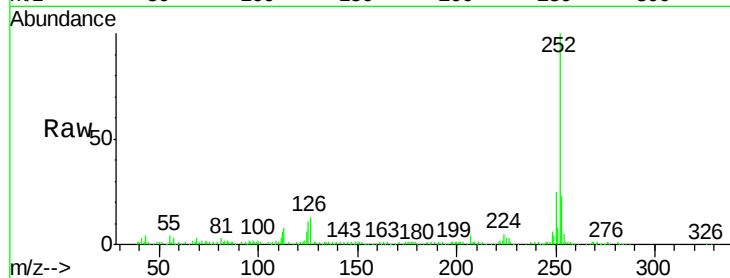




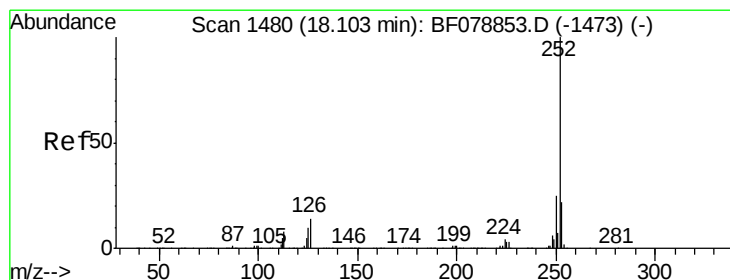
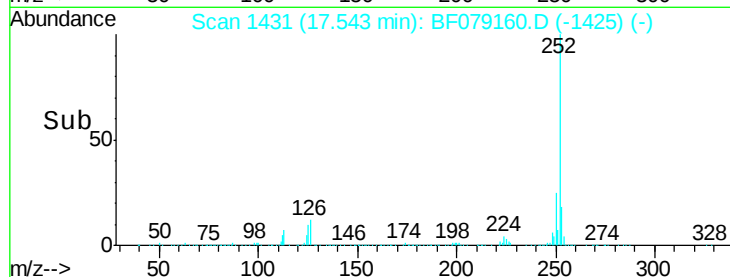
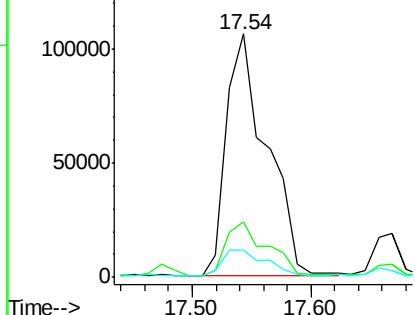
#88
Benzo(k)fluoranthene
Concen: 15.85 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.03 min
Lab File: BF079160.D
Acq: 12 May 2015 16:24

Instrument :
BNA_F
ClientSampleId :
SB-43S

Tgt Ion: 252 Resp: 250698
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 11.2 10.0 15.0

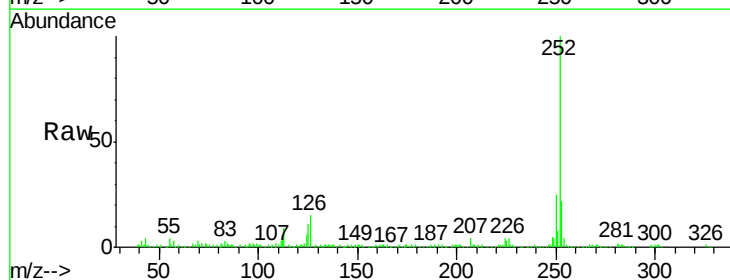


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

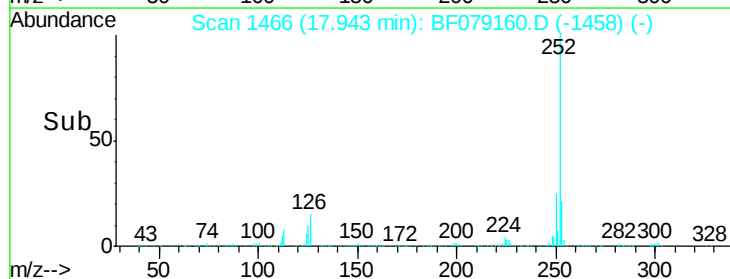
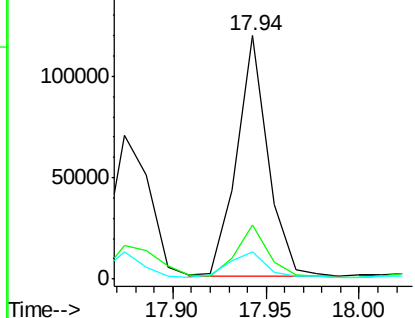


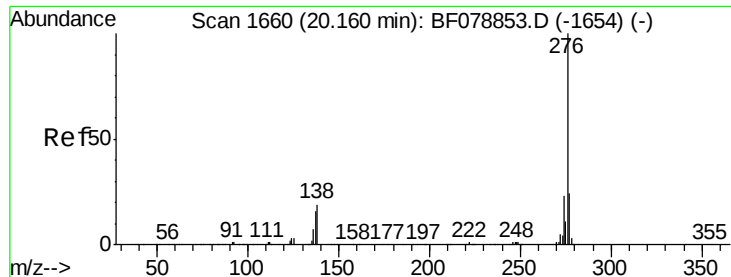
#89
Benzo(a)pyrene
Concen: 9.14 ng
RT: 17.94 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF079160.D
Acq: 12 May 2015 16:24

Tgt Ion: 252 Resp: 137499
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 11.3 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: 6.62 ng

RT: 19.91 min Scan# 1638

Delta R.T. -0.02 min

Lab File: BF079160.D

Acq: 12 May 2015 16:24

Instrument :

BNA_F

ClientSampleId :

SB-43S

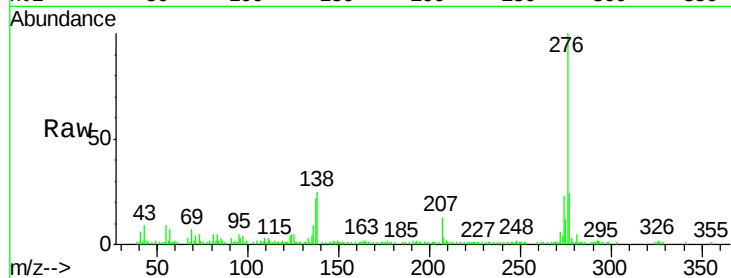
Tgt Ion: 276 Resp: 106021

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 24.7 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

