

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079529.D
 Acq On : 27 May 2015 20:28
 Operator : TP/IZ
 Sample : G2387-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16-SS

Quant Time: May 28 00:57:53 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 00:48:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	63244	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	263467	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	132599	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	241101	20.00	ng	0.00
75) Chrysene-d12	15.86	240	253102	20.00	ng	-0.08
86) Perylene-d12	17.62	264	270095	20.00	ng	-0.26

System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	521409	143.00	ng	0.00
7) Phenol-d6	6.59	99	709441	152.65	ng	0.00
23) Nitrobenzene-d5	7.70	82	446147	97.89	ng	0.00
41) 2,4,6-Tribromophenol	11.72	330	218216	149.83	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	872120	93.83	ng	0.00
78) Terphenyl-d14	14.57	244	903828	83.81	ng	-0.02

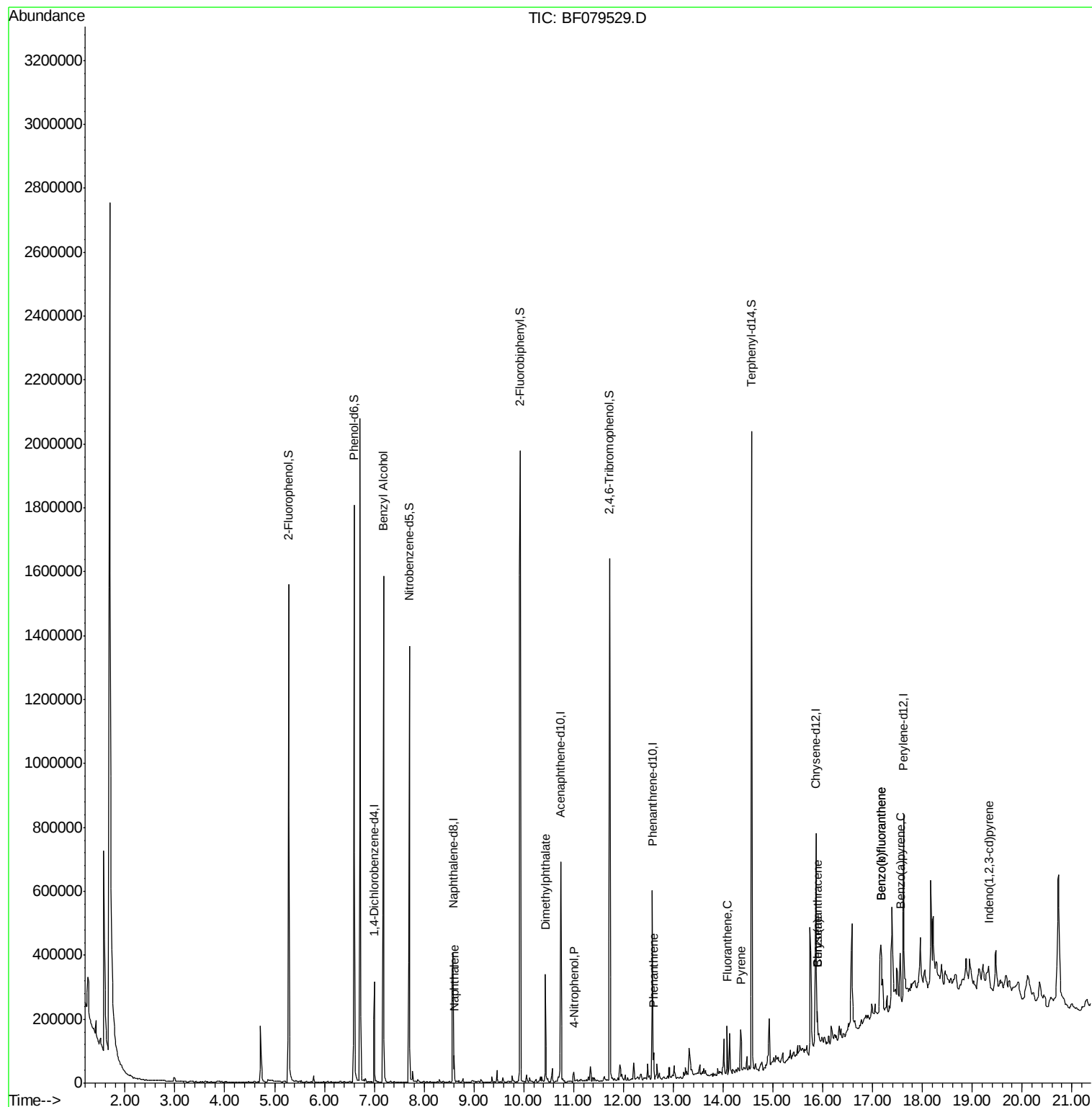
Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	220	Below Cal	#	34
15) Benzyl Alcohol	7.19	79	7126	2.09	ng	# 36
31) Naphthalene	8.60	128	32917	2.60	ng	97
49) Dimethylphthalate	10.43	163	141821	14.52	ng	99
55) 4-Nitrophenol	11.00	139	4900	3.48	ng	# 12
70) Phenanthrene	12.61	178	32537	2.46	ng	99
73) Di-n-butylphthalate	13.34	149	3267	Below Cal	#	75
74) Fluoranthene	14.08	202	63300	4.46	ng	97
77) Pyrene	14.35	202	64979	4.14	ng	97
80) Benzo(a)anthracene	15.90	228	42819	2.94	ng	96
82) Chrysene	15.90	228	42361	3.06	ng	97
85) Indeno(1,2,3-cd)pyrene	19.34	276	43938	2.47	ng	97
87) Benzo(b)fluoranthene	17.17	252	152517	9.90	ng	# 95
88) Benzo(k)fluoranthene	17.17	252	152517	11.07	ng	# 94
89) Benzo(a)pyrene	17.55	252	61776	2.77	ng	# 94
90) Dibenzo(a,h)anthracene	19.03	278	4402	Below Cal	#	22
91) Benzo(g,h,i)perylene	19.34	276	45965	Below Cal		94

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
Data File : BF079529.D
Acq On : 27 May 2015 20:28
Operator : TP/IZ
Sample : G2387-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-16-SS

Quant Time: May 28 00:57:53 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 28 00:48:25 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Instrument :

BNA_F

ClientSampleId :

TP-16-SS

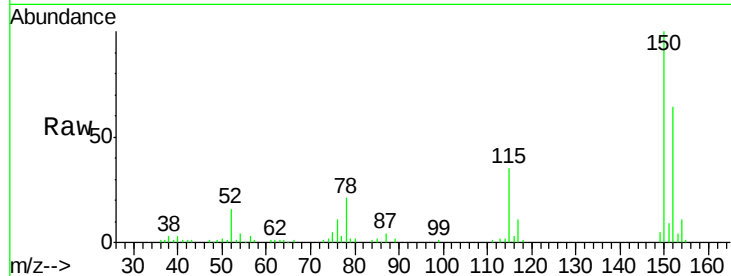
Tgt Ion:152 Resp: 63244

Ion Ratio Lower Upper

152 100

150 156.5 124.0 186.0

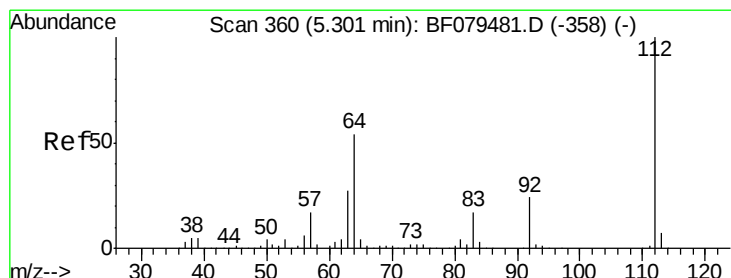
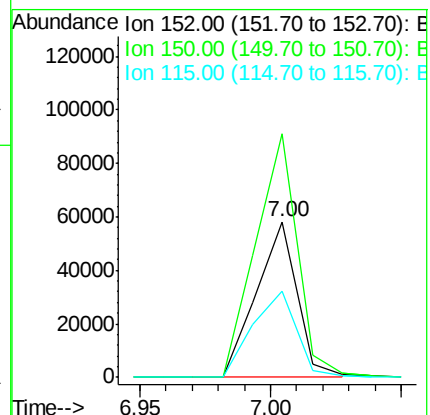
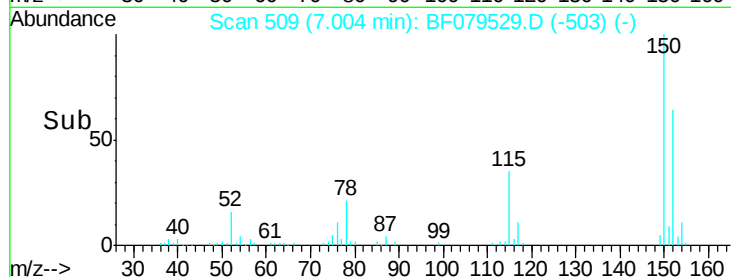
115 55.1 49.6 74.4



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: 143.00 ng

RT: 5.28 min Scan# 358

Delta R.T. -0.00 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

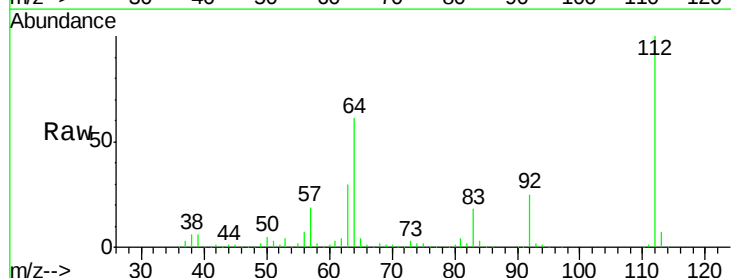
Tgt Ion:112 Resp: 521409

Ion Ratio Lower Upper

112 100

64 60.8 43.5 65.3

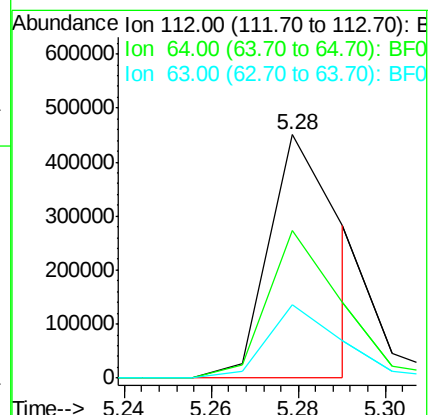
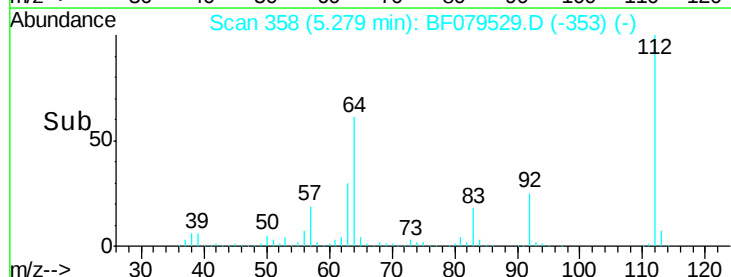
63 30.2 21.8 32.8



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: 152.65 ng

RT: 6.59 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Instrument :

BNA_F

ClientSampled :

TP-16-SS

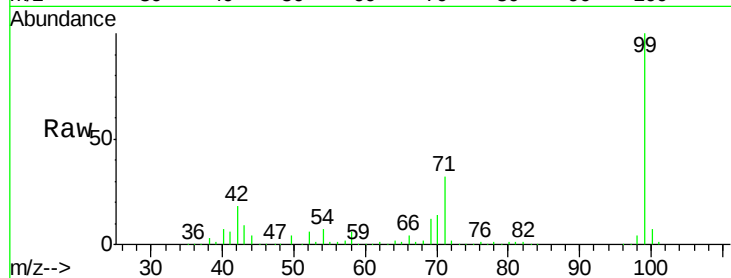
Tgt Ion: 99 Resp: 709441

Ion Ratio Lower Upper

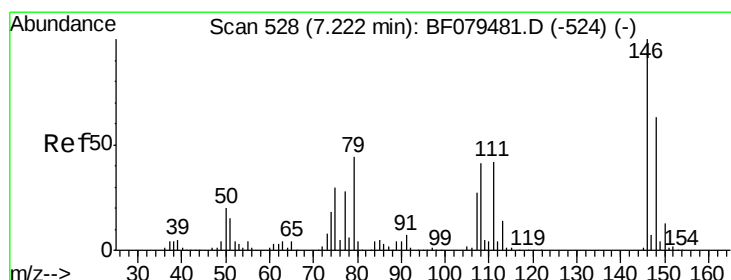
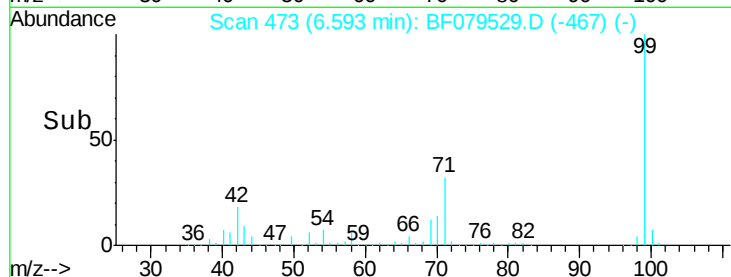
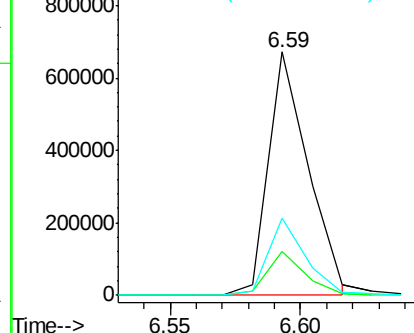
99 100

42 18.2 11.9 17.9#

71 31.7 22.1 33.1



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



#15

Benzyl Alcohol

Concen: 2.09 ng

RT: 7.19 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

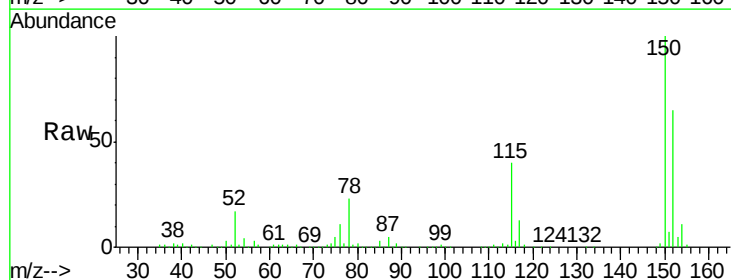
Tgt Ion: 79 Resp: 7126

Ion Ratio Lower Upper

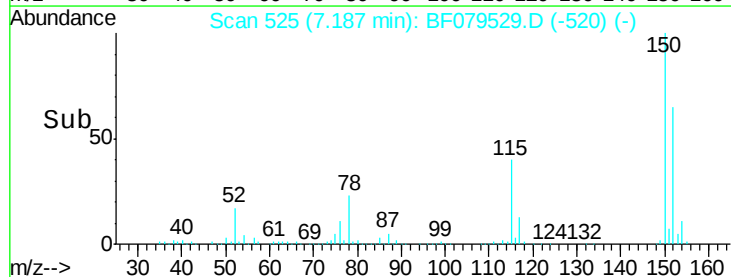
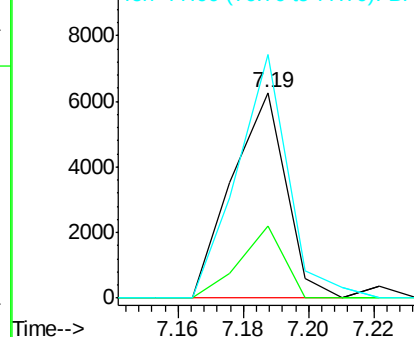
79 100

108 35.1 73.7 110.5#

77 118.5 51.1 76.7#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

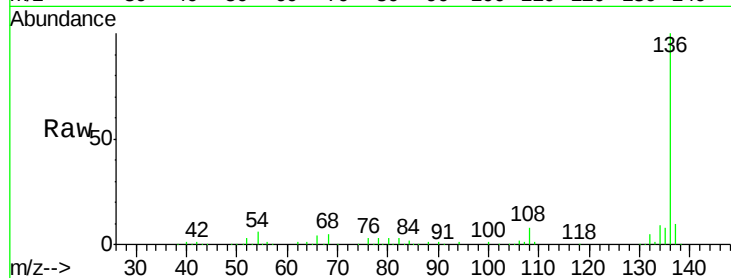




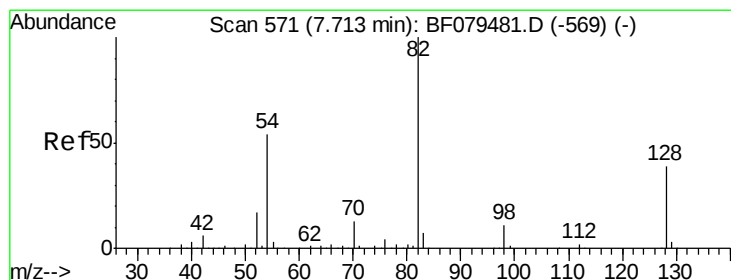
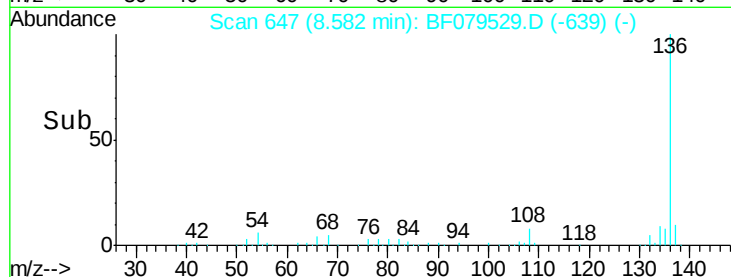
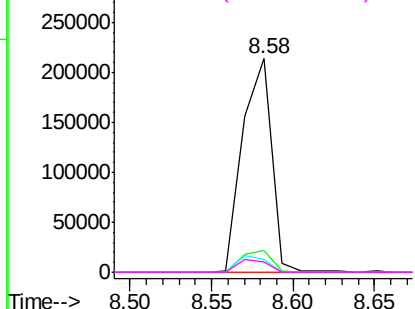
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.58 min Scan# 647
Delta R.T. -0.00 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

Instrument :
BNA_F
ClientSampleId :
TP-16-SS

Tgt Ion:	136	Resp:	263467
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.5	12.7
54	5.9	6.6	9.8#
68	4.7	4.7	7.1

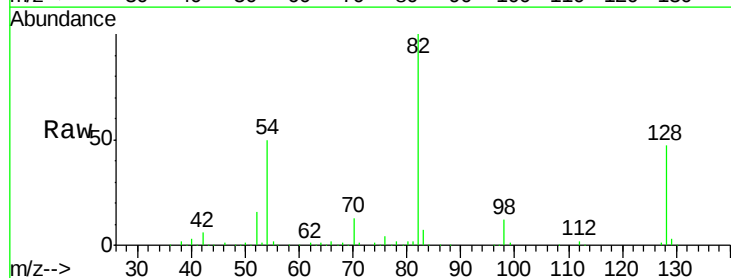


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

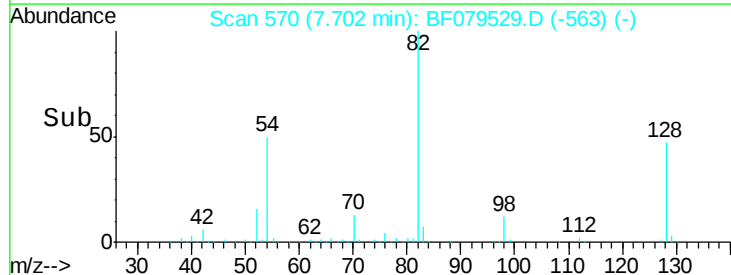
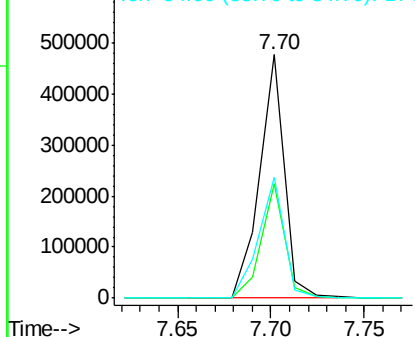


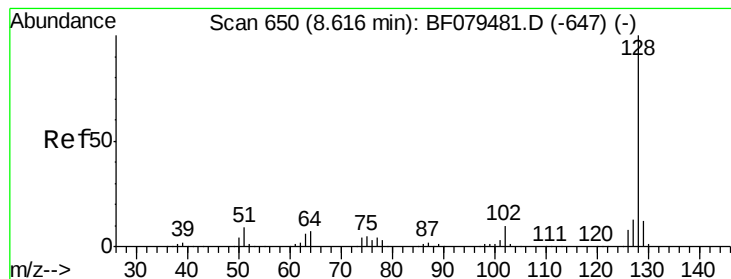
#23
Nitrobenzene-d5
Concen: 97.89 ng
RT: 7.70 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

Tgt Ion:	82	Resp:	446147
Ion Ratio	Lower	Upper	
82	100		
128	46.9	30.8	46.2#
54	49.7	42.8	64.2



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





#31

Naphthalene

Concen: 2.60 ng

RT: 8.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Instrument :

BNA_F

ClientSampleId :

TP-16-SS

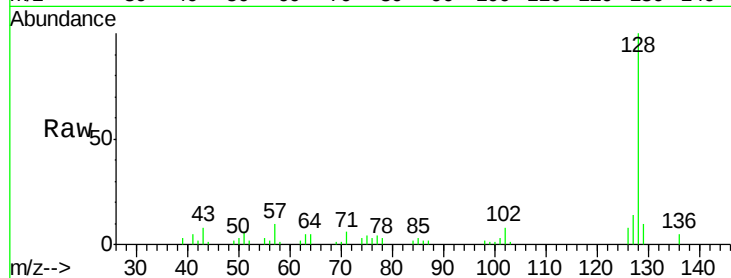
Tgt Ion:128 Resp: 32917

Ion Ratio Lower Upper

128 100

129 9.8 9.3 13.9

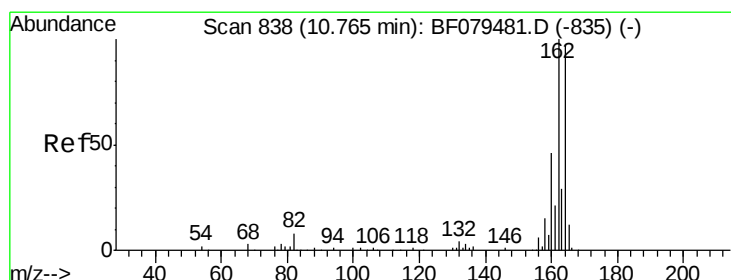
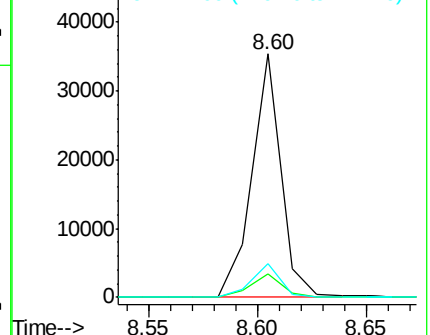
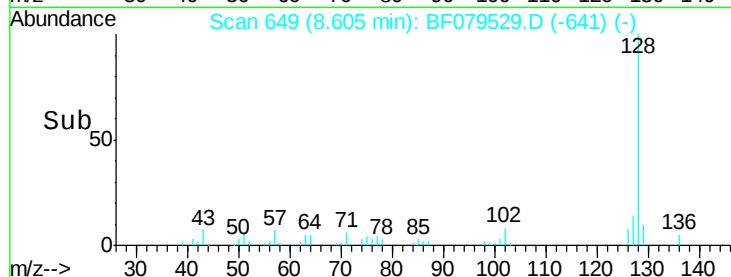
127 13.8 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

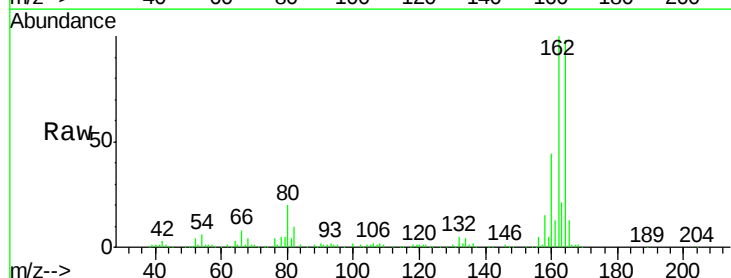
Tgt Ion:164 Resp: 132599

Ion Ratio Lower Upper

164 100

162 102.4 82.6 124.0

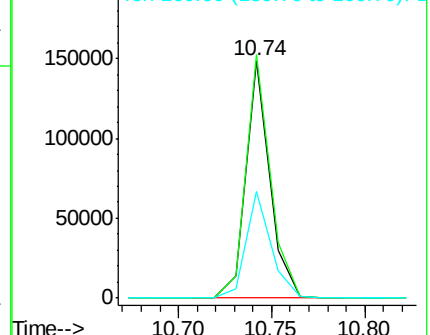
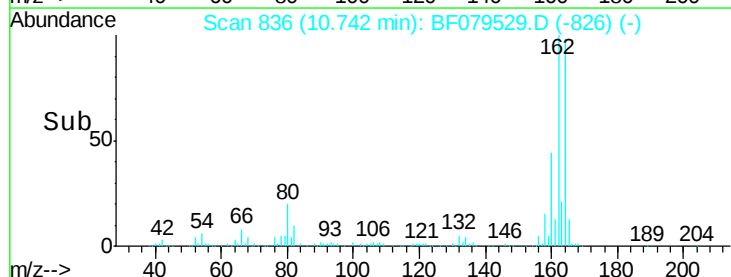
160 44.7 37.7 56.5

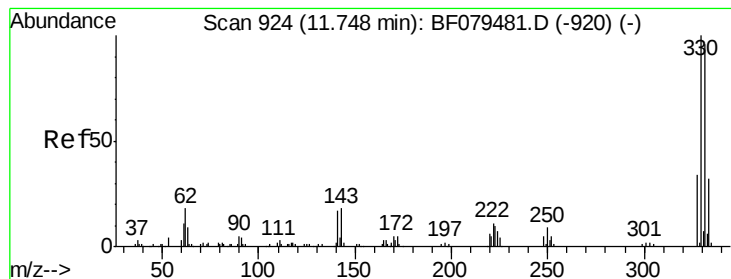


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

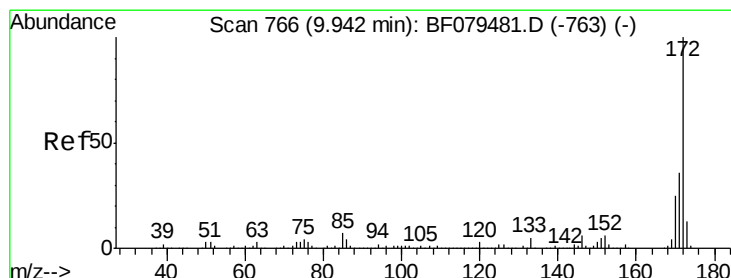
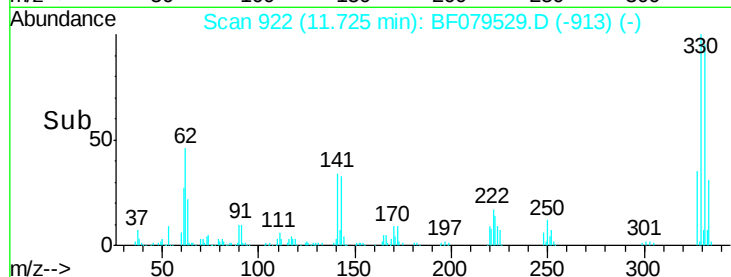
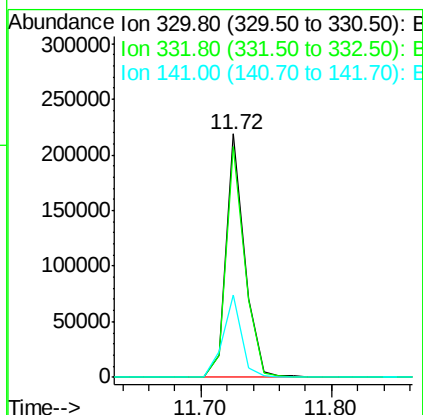
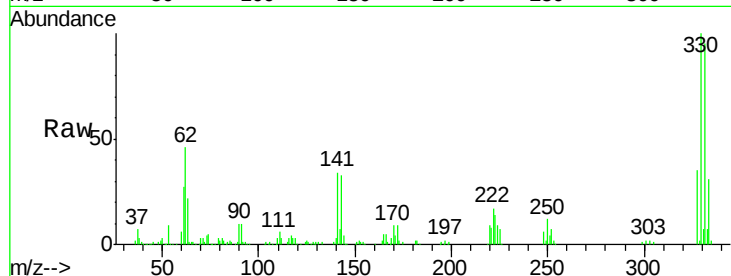




#41
 2,4,6-Tribromophenol
 Concen: 149.83 ng
 RT: 11.72 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF079529.D
 Acq: 27 May 2015 20:28

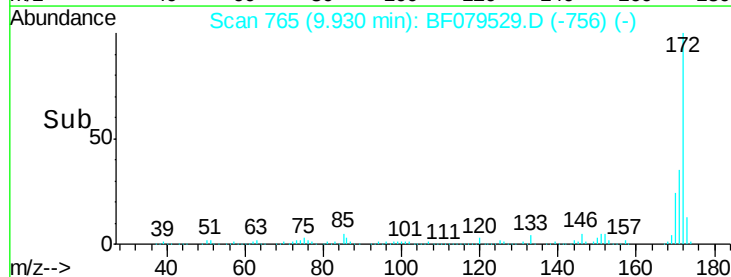
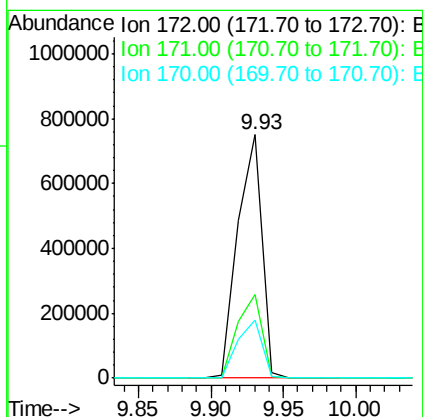
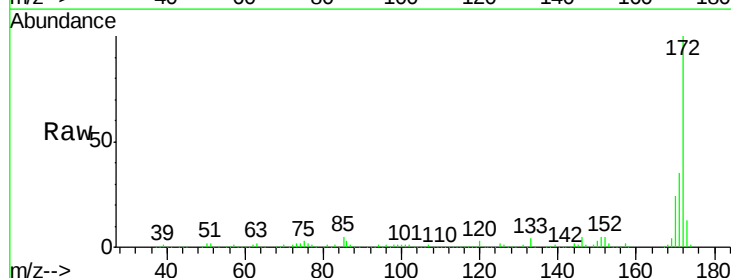
Instrument :
 BNA_F
 ClientSampleId :
 TP-16-SS

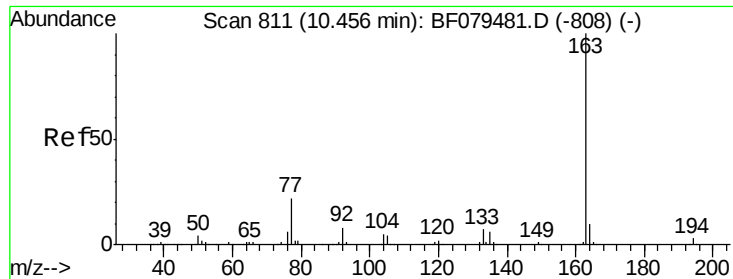
Tgt Ion: 330 Resp: 218216
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 34.4 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 93.83 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF079529.D
 Acq: 27 May 2015 20:28

Tgt Ion: 172 Resp: 872120
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 23.7 19.7 29.5

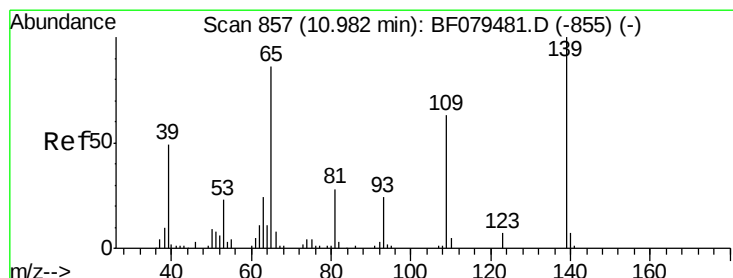
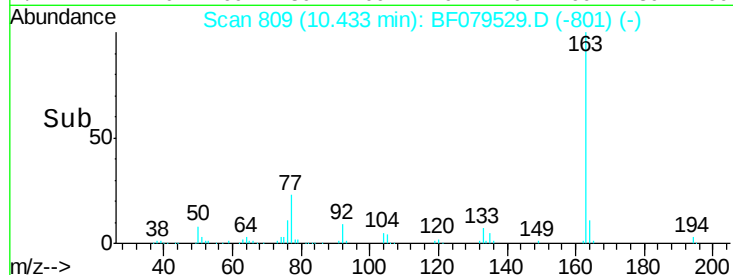
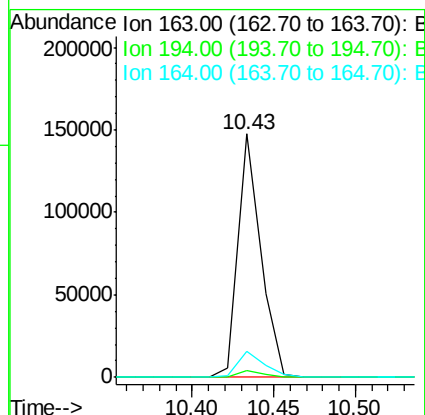
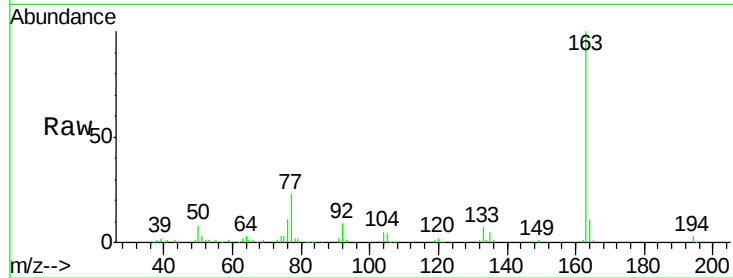




#49
Dimethylphthalate
Concen: 14.52 ng
RT: 10.43 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

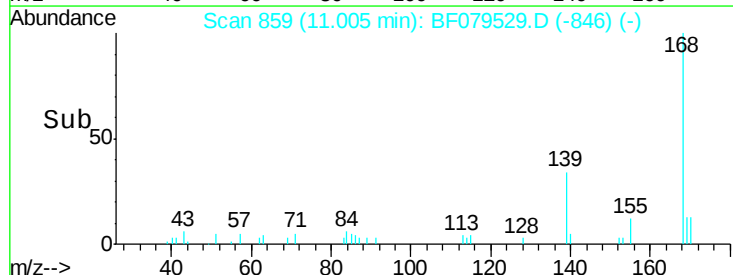
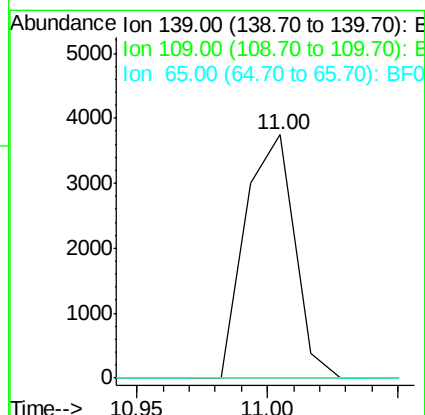
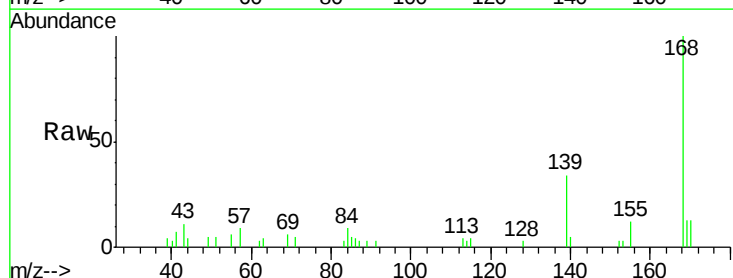
Instrument :
BNA_F
ClientSampleId :
TP-16-SS

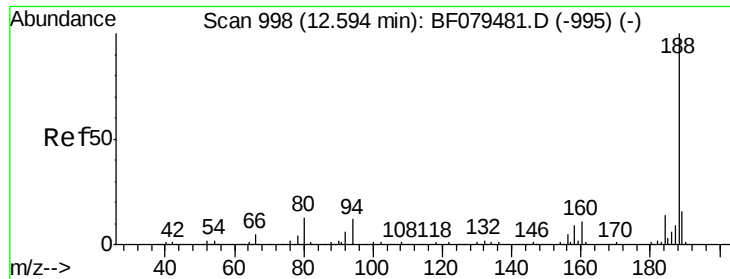
Tgt Ion:163 Resp: 141821
Ion Ratio Lower Upper
163 100
194 2.7 2.4 3.6
164 10.5 8.2 12.4



#55
4-Nitrophenol
Concen: 3.48 ng
RT: 11.00 min Scan# 859
Delta R.T. 0.03 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

Tgt Ion:139 Resp: 4900
Ion Ratio Lower Upper
139 100
109 0.0 42.8 82.8#
65 0.0 66.3 106.3#

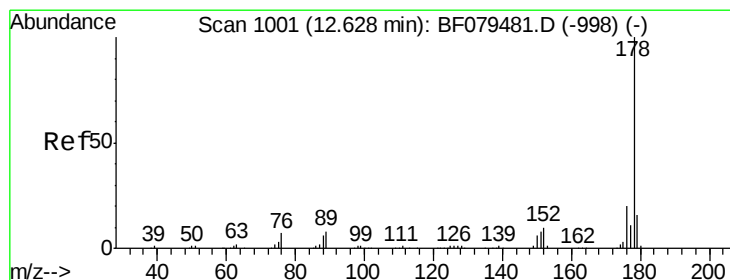
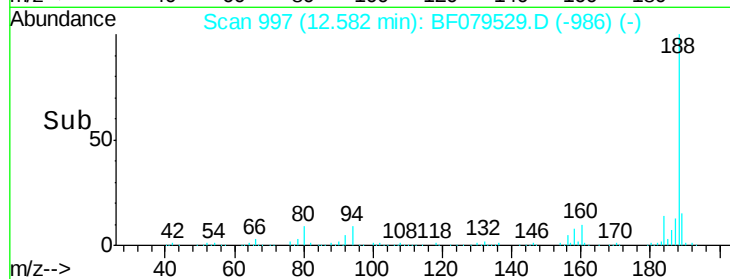
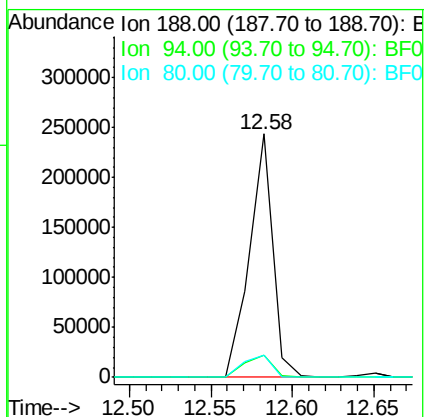
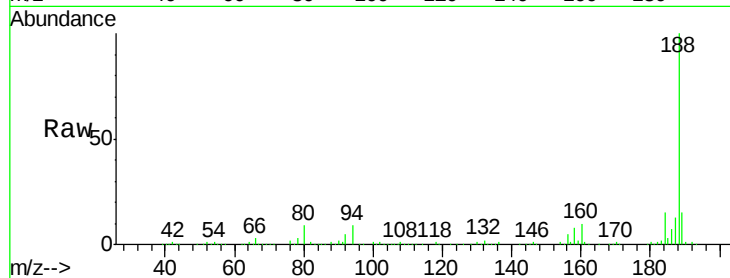




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.58 min Scan# 997
Delta R.T. -0.00 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

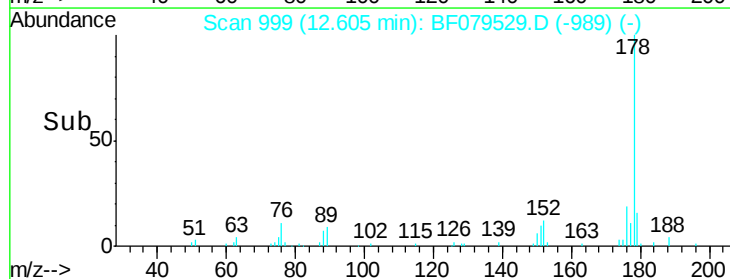
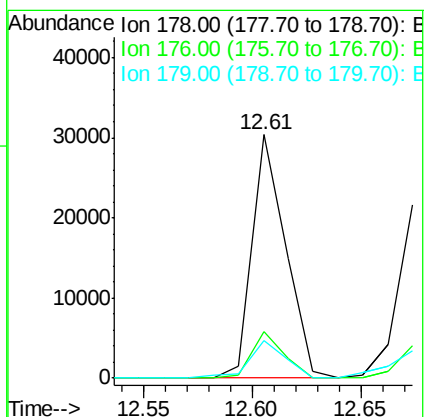
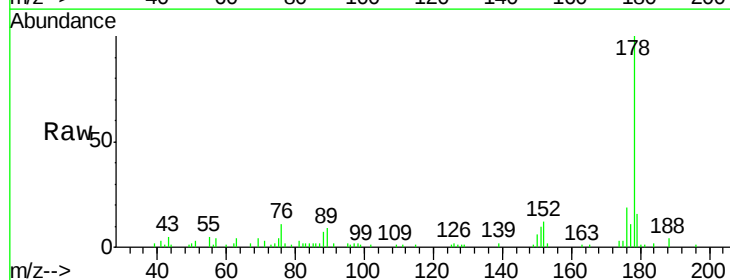
Instrument :
BNA_F
ClientSampleId :
TP-16-SS

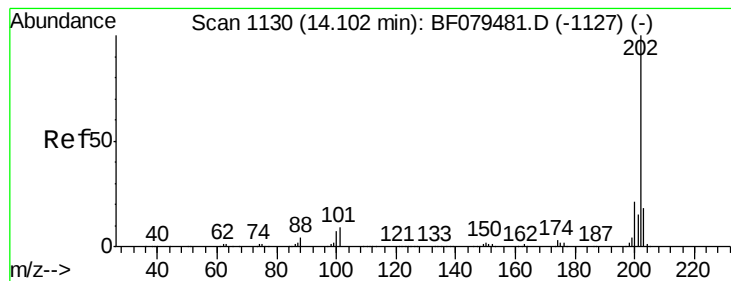
Tgt Ion:188 Resp: 241101
Ion Ratio Lower Upper
188 100
94 9.0 9.8 14.6#
80 8.9 10.5 15.7#



#70
Phenanthrene
Concen: 2.46 ng
RT: 12.61 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

Tgt Ion:178 Resp: 32537
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.6 12.4 18.6





#74

Fluoranthene

Concen: 4.46 ng

RT: 14.08 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Instrument :

BNA_F

ClientSampleId :

TP-16-SS

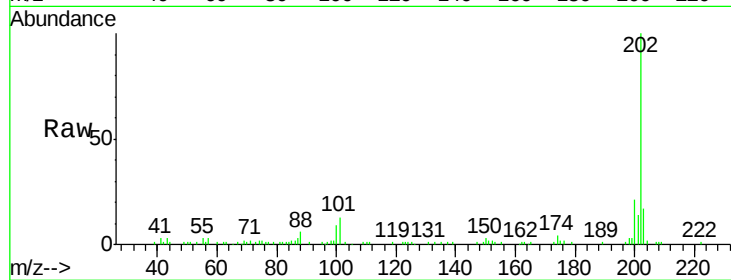
Tgt Ion:202 Resp: 63300

Ion Ratio Lower Upper

202 100

101 12.8 0.0 29.3

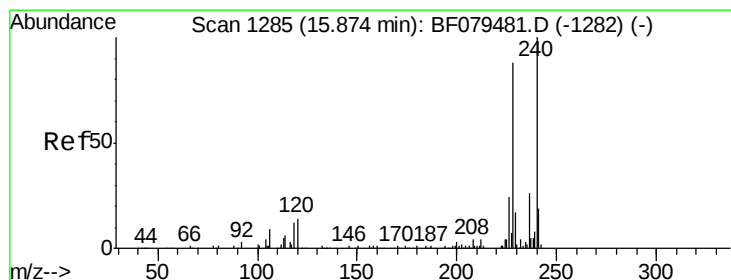
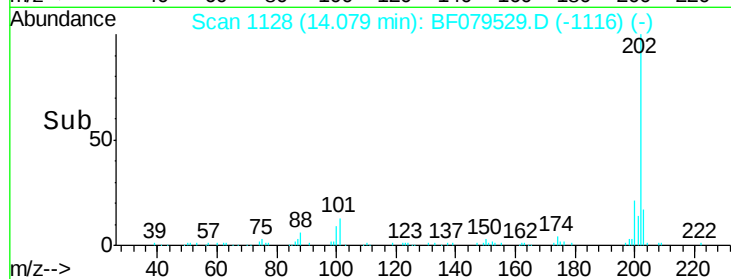
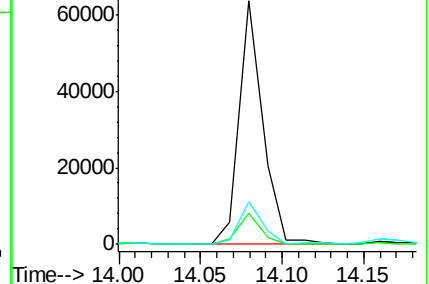
203 17.5 0.0 37.6



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: 15.86 min Scan# 1284

Delta R.T. -0.08 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

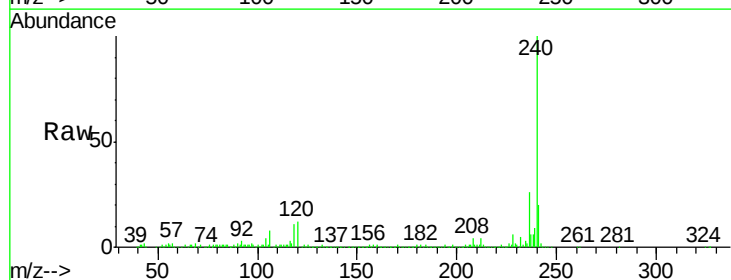
Tgt Ion:240 Resp: 253102

Ion Ratio Lower Upper

240 100

120 12.0 10.8 16.2

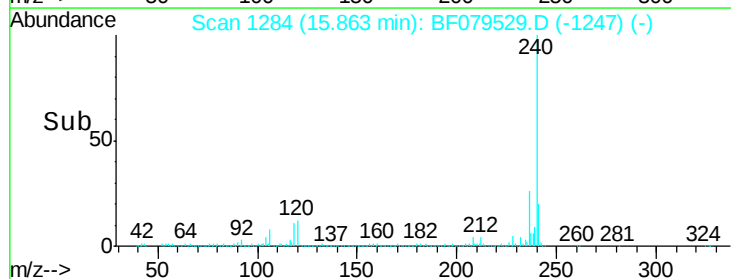
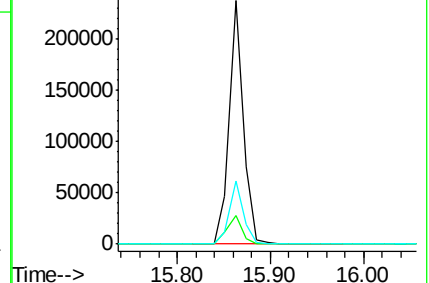
236 26.2 21.0 31.6

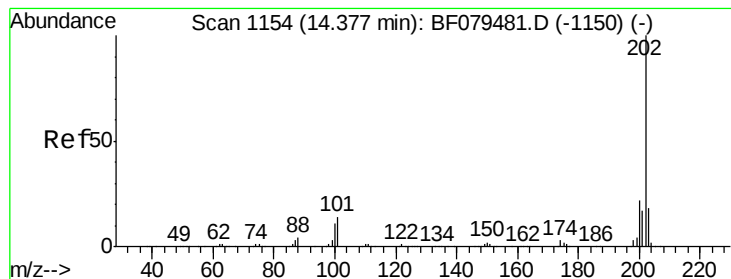


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.14 ng

RT: 14.35 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Instrument :

BNA_F

ClientSampleId :

TP-16-SS

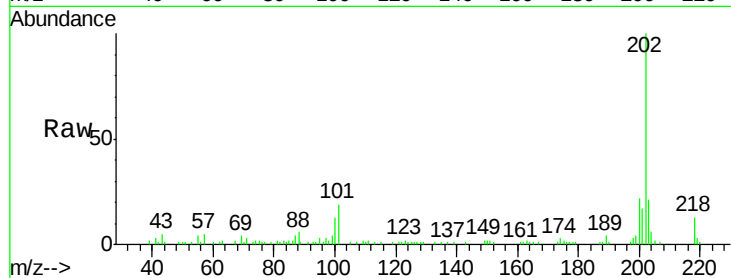
Tgt Ion:202 Resp: 64979

Ion Ratio Lower Upper

202 100

200 21.9 17.5 26.3

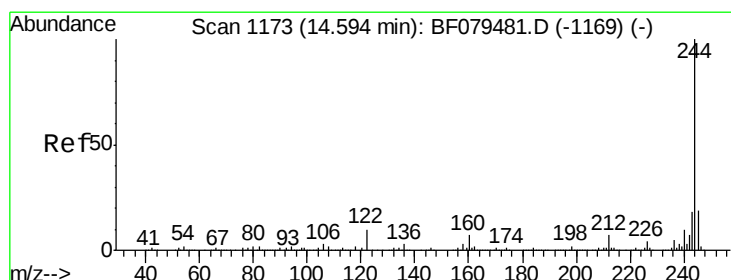
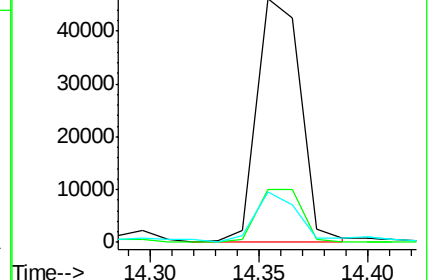
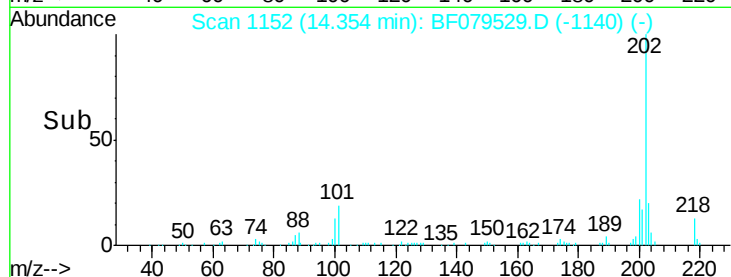
203 20.8 14.4 21.6



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: 83.81 ng

RT: 14.57 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

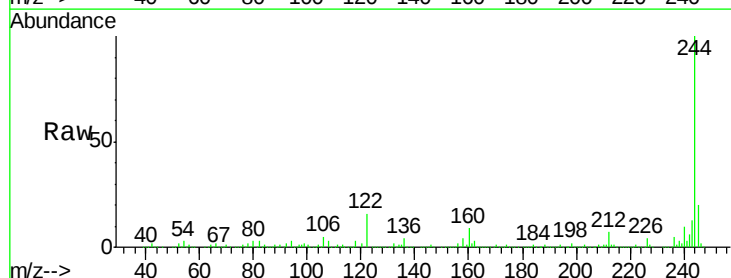
Tgt Ion:244 Resp: 903828

Ion Ratio Lower Upper

244 100

212 7.1 5.2 7.8

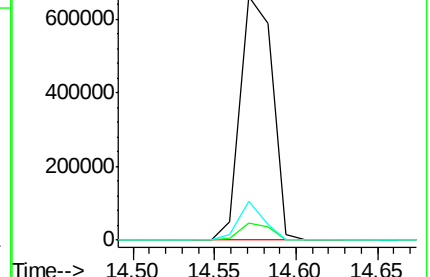
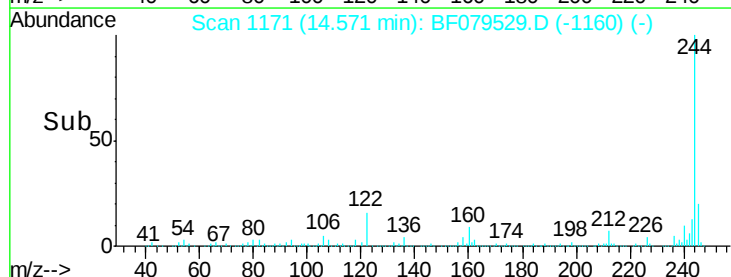
122 16.0 8.0 12.0#

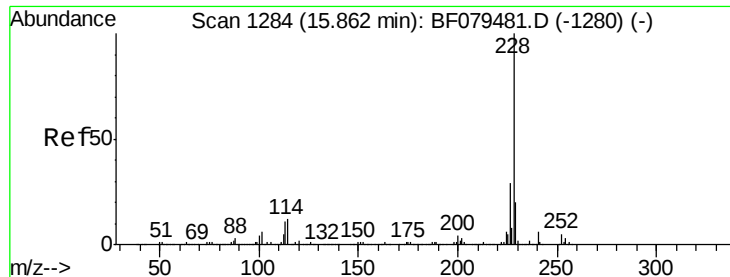


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.94 ng

RT: 15.90 min Scan# 1287

Delta R.T. -0.03 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Instrument :

BNA_F

ClientSampleId :

TP-16-SS

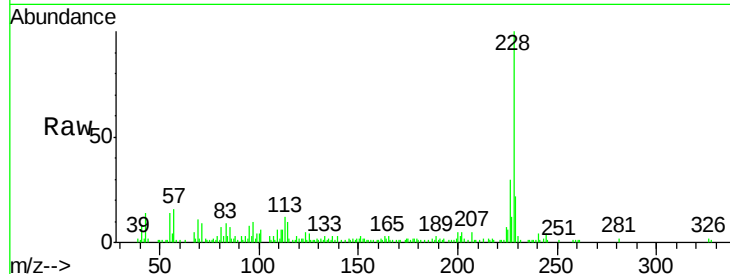
Tgt Ion:228 Resp: 42819

Ion Ratio Lower Upper

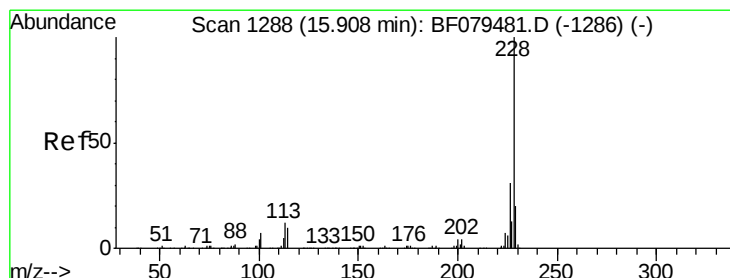
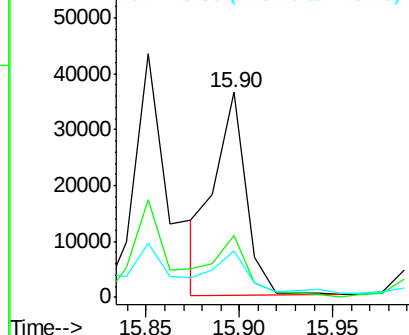
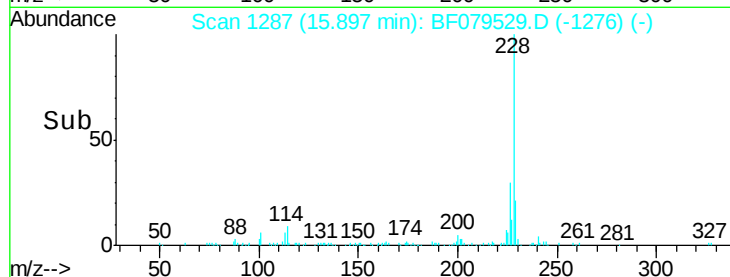
228 100

226 30.4 22.8 34.2

229 22.4 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: 3.06 ng

RT: 15.90 min Scan# 1287

Delta R.T. -0.08 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

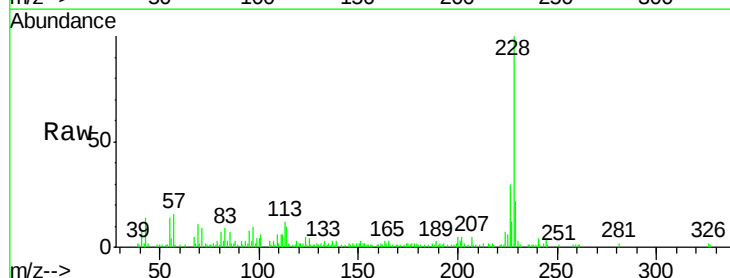
Tgt Ion:228 Resp: 42361

Ion Ratio Lower Upper

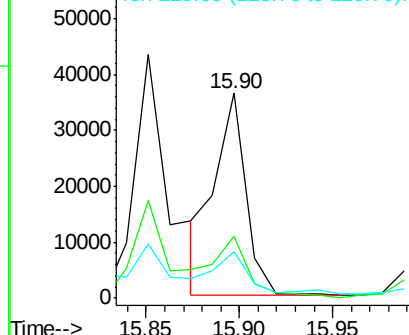
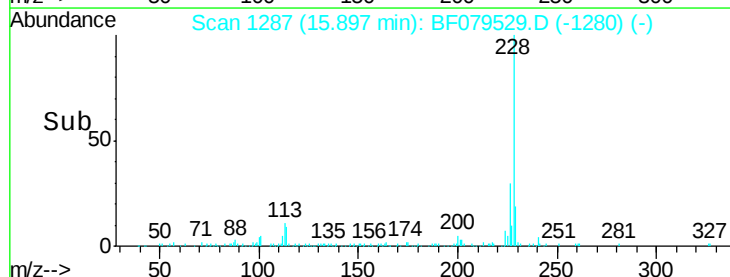
228 100

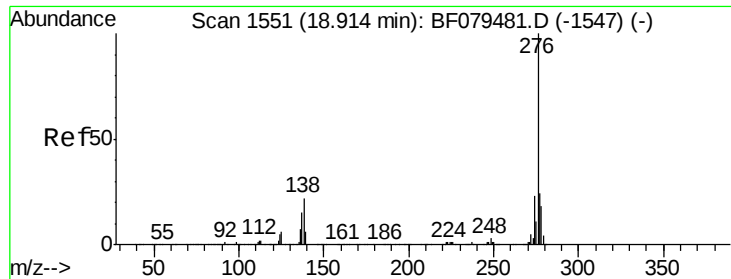
226 30.4 25.0 37.4

229 22.4 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





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.47 ng

RT: 19.34 min Scan# 1588

Delta R.T. 0.03 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Instrument :

BNA_F

ClientSampleId :

TP-16-SS

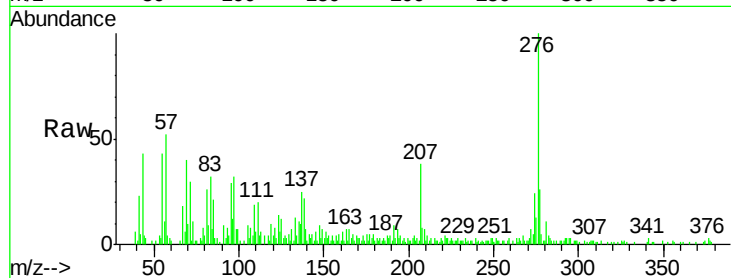
Tgt Ion: 276 Resp: 43938

Ion Ratio Lower Upper

276 100

138 24.8 21.4 32.2

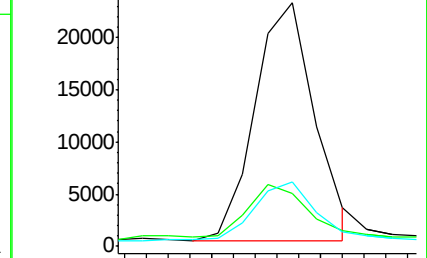
277 25.9 19.8 29.6



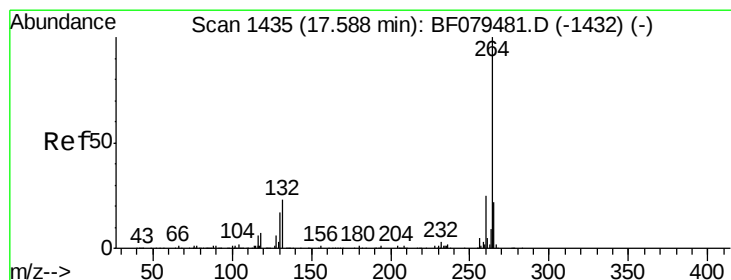
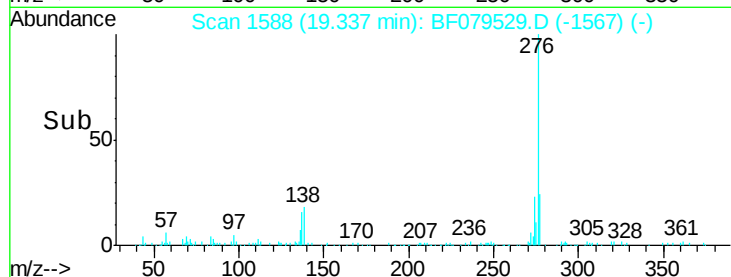
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.62 min Scan# 1438

Delta R.T. -0.26 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

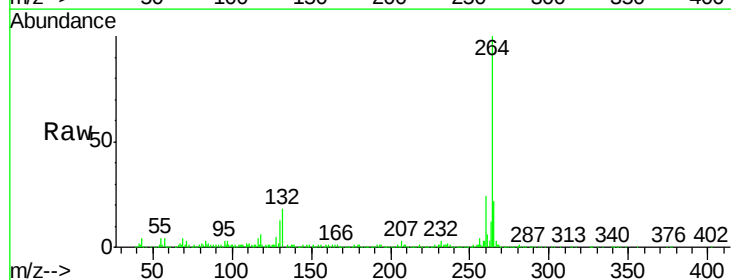
Tgt Ion: 264 Resp: 270095

Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.8

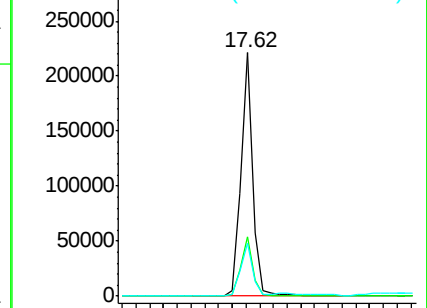
265 21.7 17.8 26.6



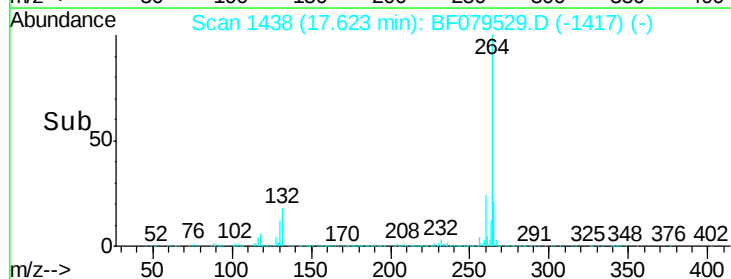
Abundance Ion 264.00 (263.70 to 264.70): E

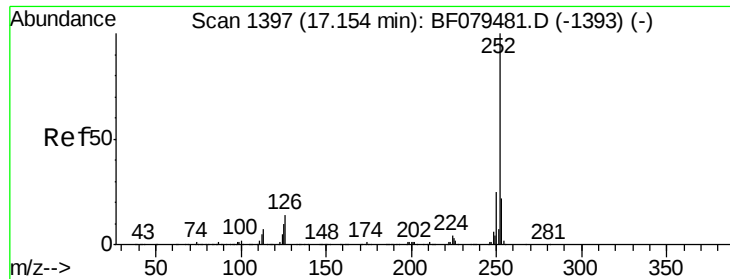
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#87

Benzo(b)fluoranthene

Concen: 9.90 ng

RT: 17.17 min Scan# 1398

Delta R.T. -0.22 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

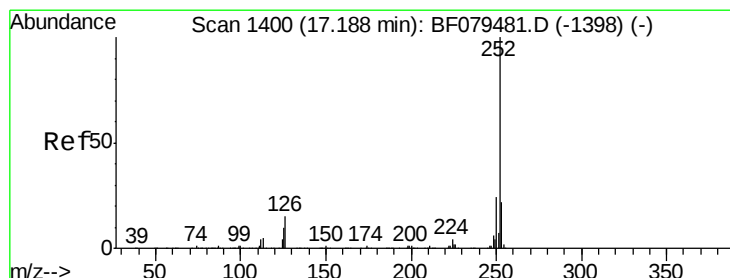
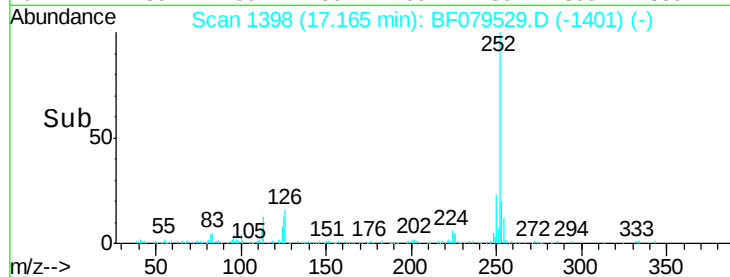
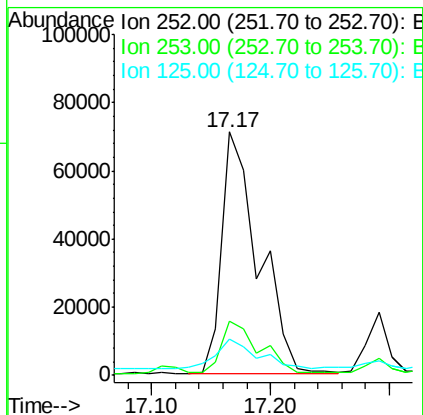
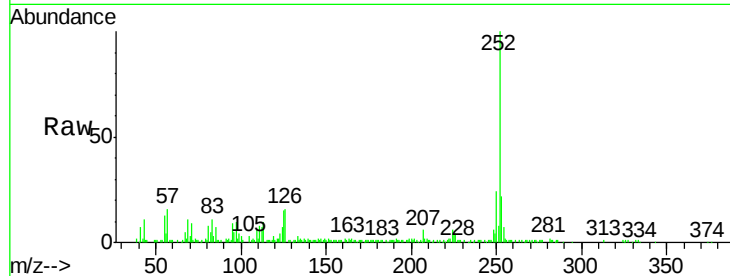
Instrument :

BNA_F

ClientSampleId :

TP-16-SS

Tgt Ion:	252	Resp:	152517
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.6	26.4
125	15.2	7.8	11.6#



#88

Benzo(k)fluoranthene

Concen: 11.07 ng

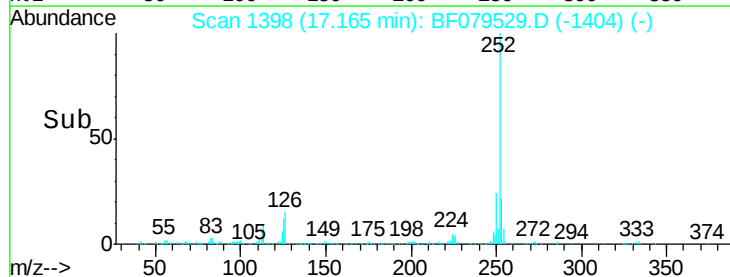
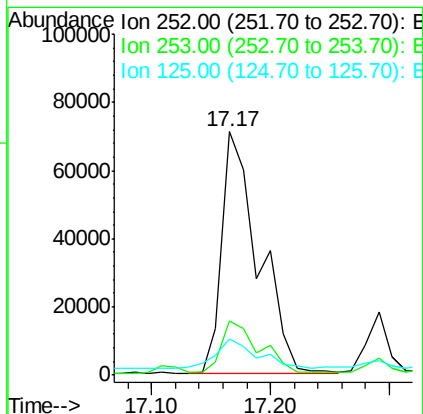
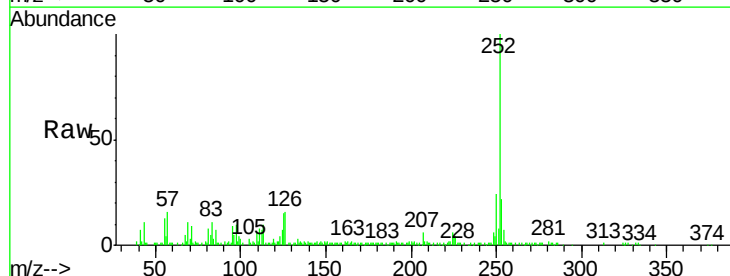
RT: 17.17 min Scan# 1398

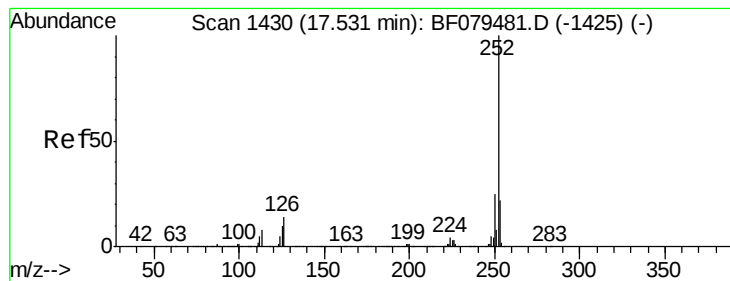
Delta R.T. -0.25 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Tgt Ion:	252	Resp:	152517
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.2	25.8
125	15.2	6.8	10.2#





#89

Benzo(a)pyrene

Concen: 2.77 ng

RT: 17.55 min Scan# 1432

Delta R.T. -0.25 min

Lab File: BF079529.D

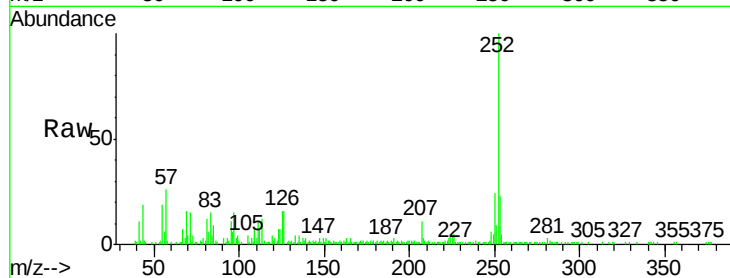
Acq: 27 May 2015 20:28

Instrument :

BNA_F

ClientSampleId :

TP-16-SS



Tgt Ion:	252	Resp:	61776
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	15.8	7.9	11.9#

