

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079527.D
 Acq On : 27 May 2015 19:29
 Operator : TP/IZ
 Sample : G2387-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-SS

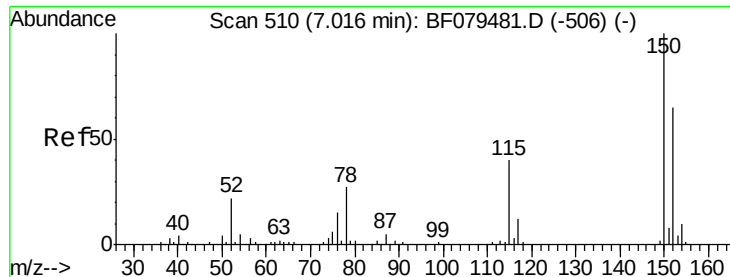
Quant Time: May 28 00:57:26 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 00:48:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	67435	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	286508	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	140559	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	259325	20.00	ng	0.00
75) Chrysene-d12	15.86	240	277594	20.00	ng	-0.08
86) Perylene-d12	17.55	264	290283	20.00	ng	-0.33

System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	540717	139.08	ng	0.00
7) Phenol-d6	6.59	99	736796	148.68	ng	0.00
23) Nitrobenzene-d5	7.70	82	463698	93.56	ng	0.00
41) 2,4,6-Tribromophenol	11.72	330	218627	141.61	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	919383	93.32	ng	0.00
78) Terphenyl-d14	14.58	244	996155	84.22	ng	-0.01

Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	220	Below Cal	#	1
15) Benzyl Alcohol	7.19	79	7811	2.14	ng	# 41
48) Acenaphthylene	10.57	152	47594	3.31	ng	98
49) Dimethylphthalate	10.43	163	148253	14.31	ng	99
55) 4-Nitrophenol	11.00	139	3705	2.48	ng	# 12
70) Phenanthrene	12.61	178	124795	8.77	ng	99
71) Anthracene	12.67	178	57657	3.99	ng	99
73) Di-n-butylphthalate	13.34	149	5215	Below Cal	#	72
74) Fluoranthene	14.08	202	295882	19.39	ng	96
77) Pyrene	14.35	202	265115	15.42	ng	97
80) Benzo(a)anthracene	15.85	228	174969	10.96	ng	96
82) Chrysene	15.89	228	165313	10.89	ng	97
85) Indeno(1,2,3-cd)pyrene	19.25	276	139645	7.15	ng	97
87) Benzo(b)fluoranthene	17.12	252	383007	23.13	ng	# 96
88) Benzo(k)fluoranthene	17.12	252	384614	25.98	ng	# 94
89) Benzo(a)pyrene	17.50	252	177774	10.78	ng	98
90) Dibenzo(a,h)anthracene	18.95	278	11499	Below Cal	#	60
91) Benzo(g,h,i)perylene	19.25	276	139645	7.05	ng	98

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

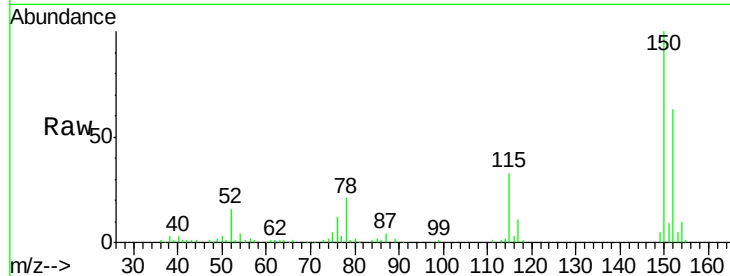


#1

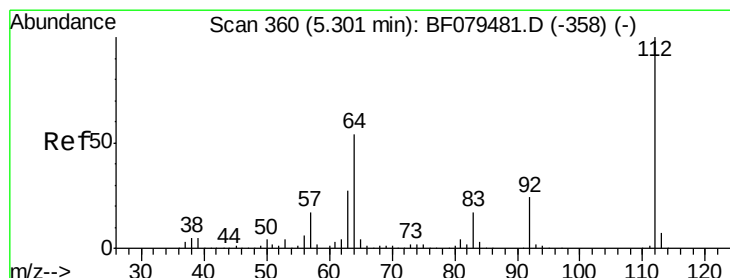
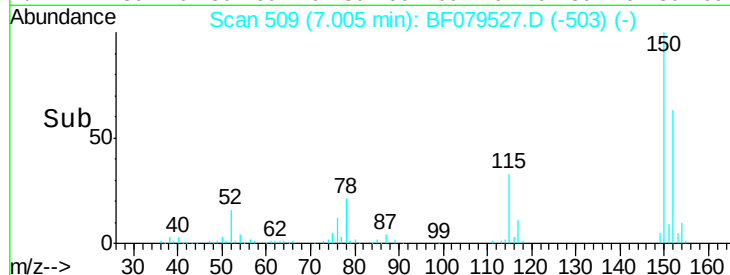
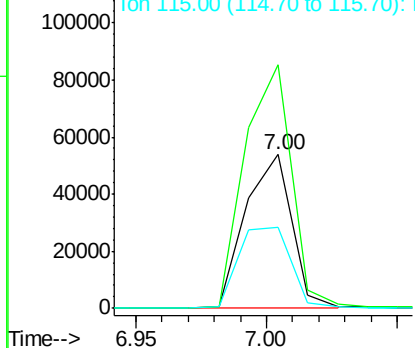
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Instrument :
BNA_F
ClientSampleId :
TP-15-SS

Tgt Ion:152 Resp: 67435
Ion Ratio Lower Upper
152 100
150 158.3 124.0 186.0
115 52.7 49.6 74.4



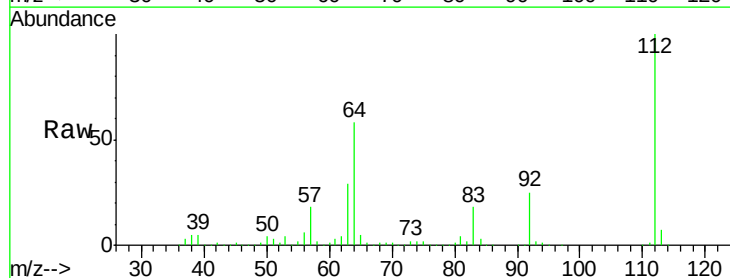
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



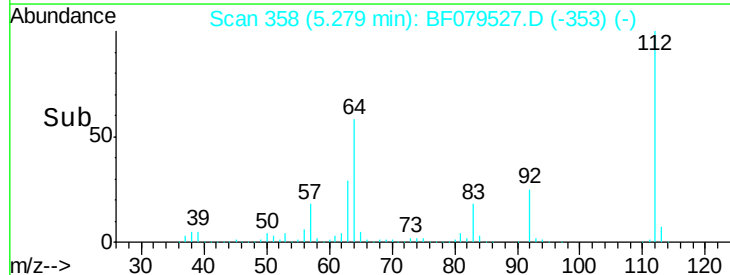
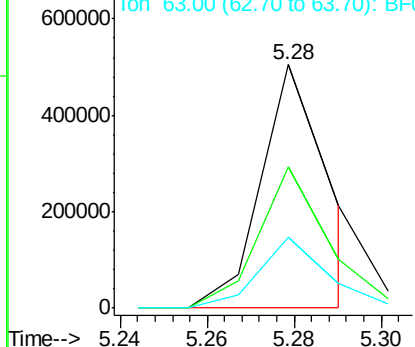
#5

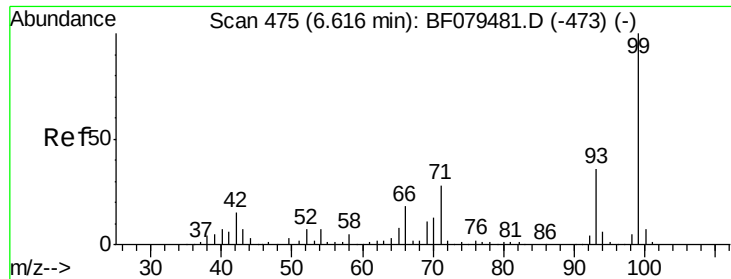
2-Fluorophenol
Concen: 139.08 ng
RT: 5.28 min Scan# 358
Delta R.T. -0.00 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Tgt Ion:112 Resp: 540717
Ion Ratio Lower Upper
112 100
64 58.1 43.5 65.3
63 29.1 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: 148.68 ng

RT: 6.59 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Instrument :

BNA_F

ClientSampleId :

TP-15-SS

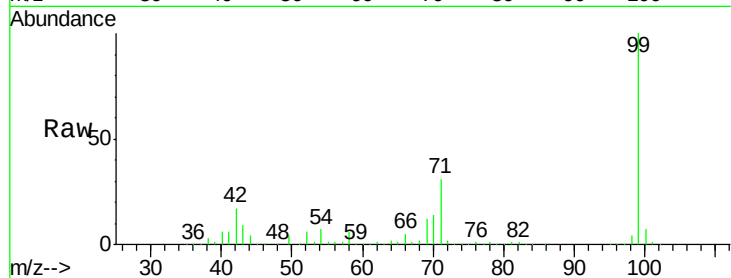
Tgt Ion: 99 Resp: 736796

Ion Ratio Lower Upper

99 100

42 17.3 11.9 17.9

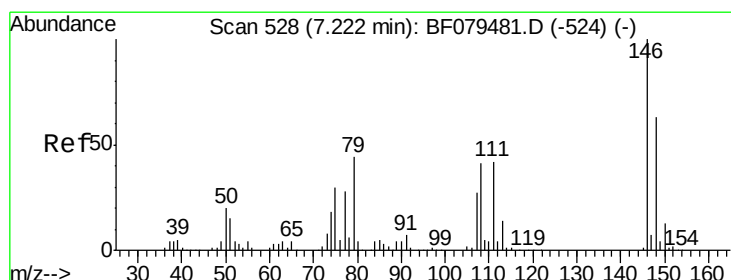
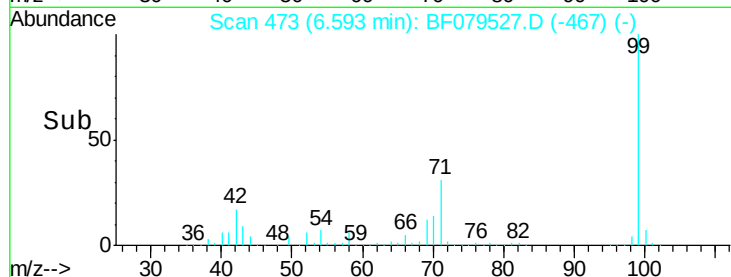
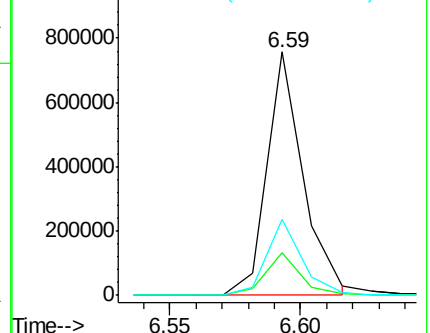
71 31.4 22.1 33.1



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: 2.14 ng

RT: 7.19 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

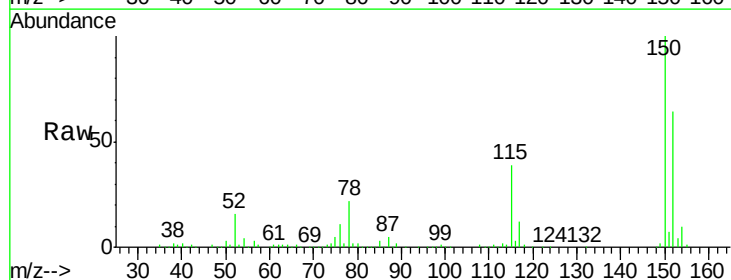
Tgt Ion: 79 Resp: 7811

Ion Ratio Lower Upper

79 100

108 32.5 73.7 110.5#

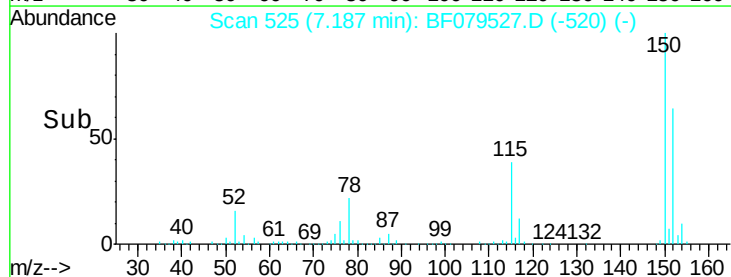
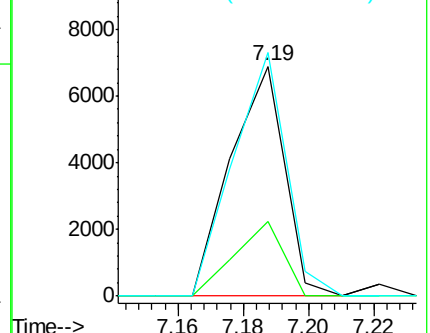
77 106.0 51.1 76.7#

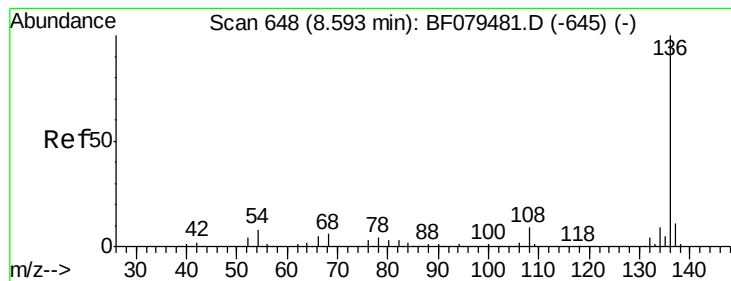


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

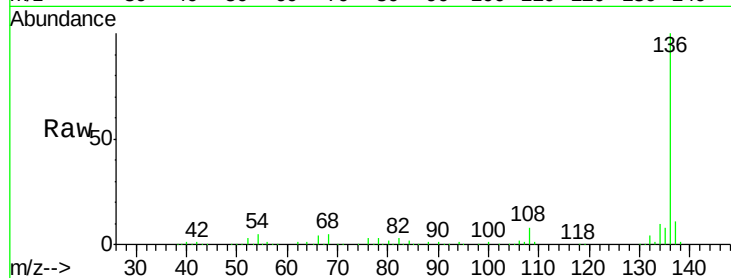




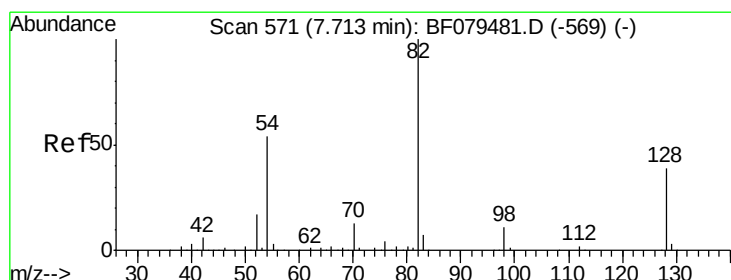
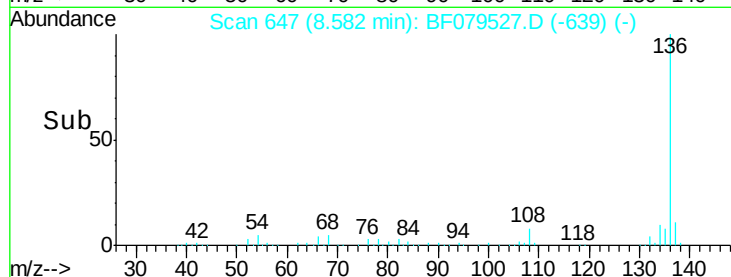
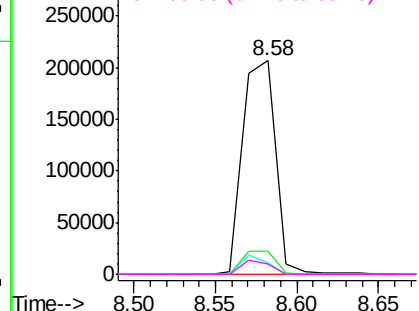
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.58 min Scan# 647
Delta R.T. -0.00 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Instrument :
BNA_F
ClientSampleId :
TP-15-SS

Tgt Ion:	136	Resp:	286508
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	5.5	6.6	9.8#
68	4.5	4.7	7.1#

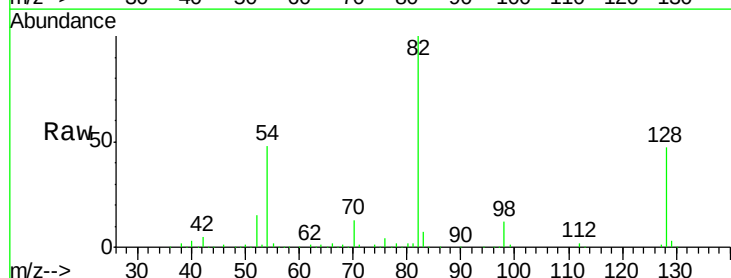


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

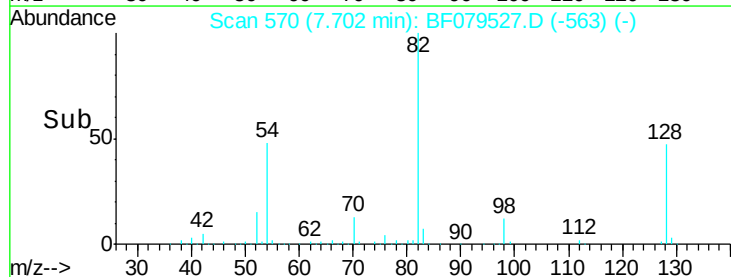
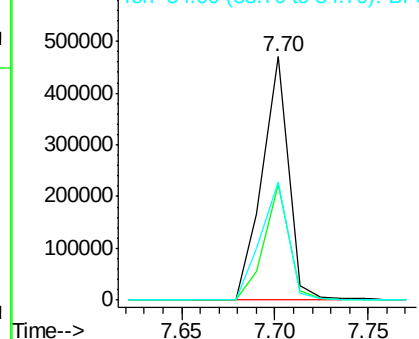


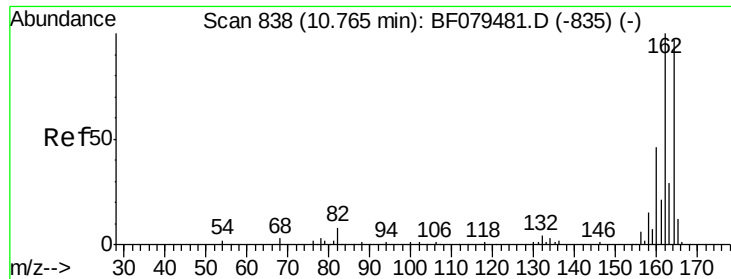
#23
Nitrobenzene-d5
Concen: 93.56 ng
RT: 7.70 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Tgt Ion:	82	Resp:	463698
Ion	Ratio	Lower	Upper
82	100		
128	47.4	30.8	46.2#
54	48.3	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

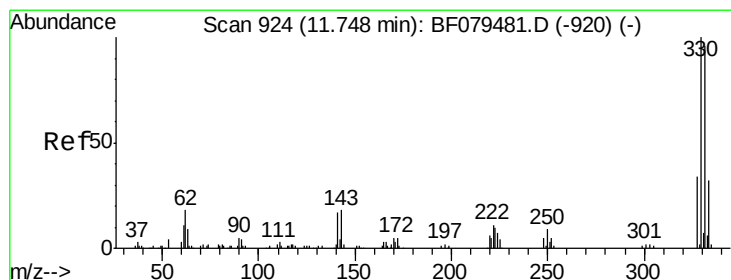
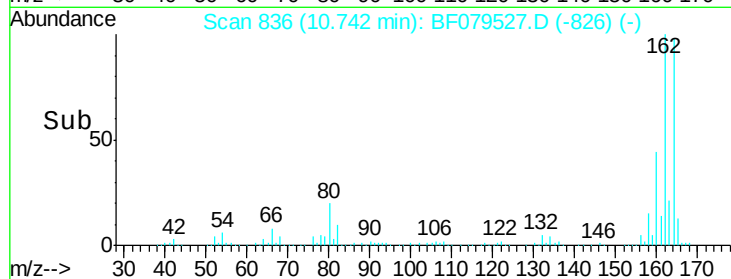
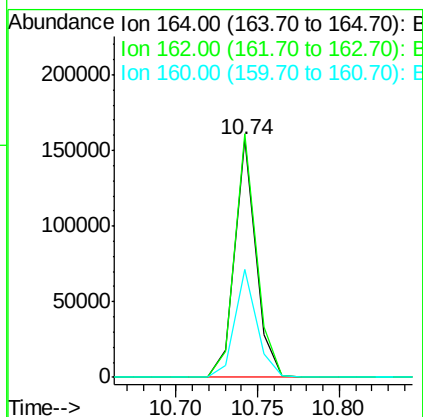
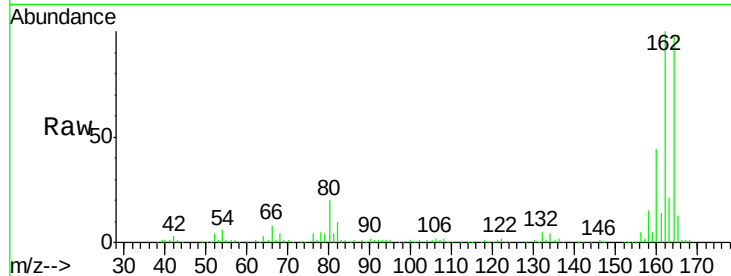




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.74 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF079527.D
 Acq: 27 May 2015 19:29

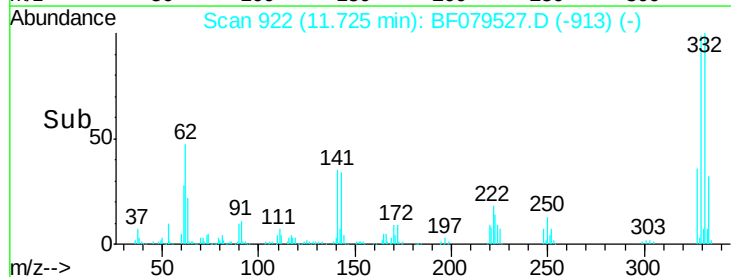
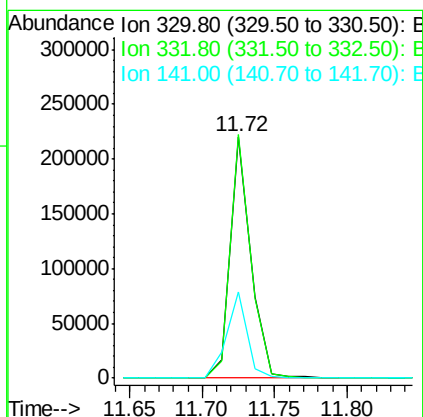
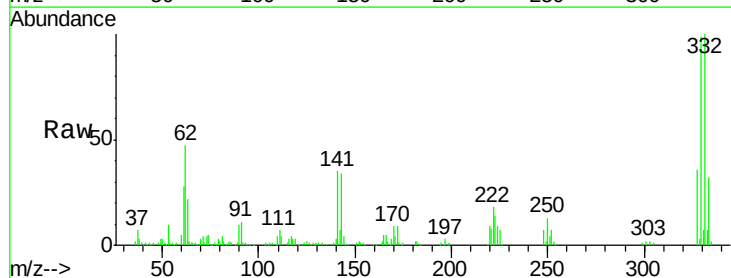
Instrument :
 BNA_F
 ClientSampleId :
 TP-15-SS

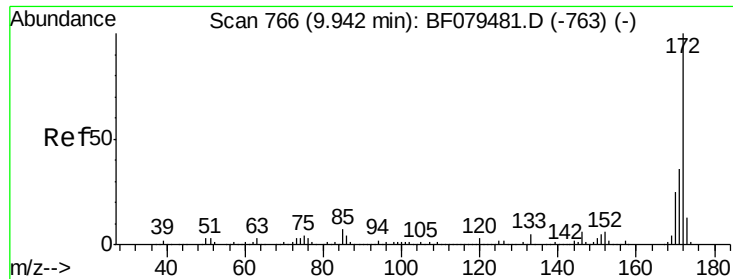
Tgt Ion:164 Resp: 140559
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.6 124.0
 160 45.3 37.7 56.5



#41
 2,4,6-Tribromophenol
 Concen: 141.61 ng
 RT: 11.72 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF079527.D
 Acq: 27 May 2015 19:29

Tgt Ion:330 Resp: 218627
 Ion Ratio Lower Upper
 330 100
 332 100.3 0.0 0.0#
 141 36.3 0.0 0.0#

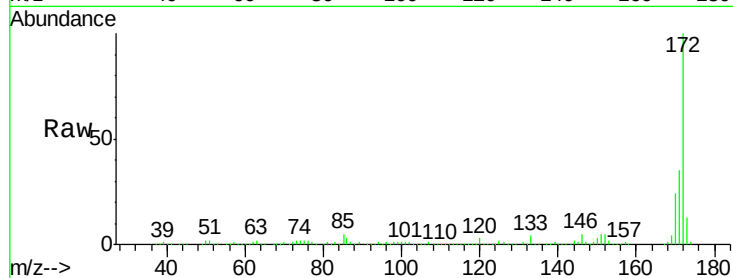




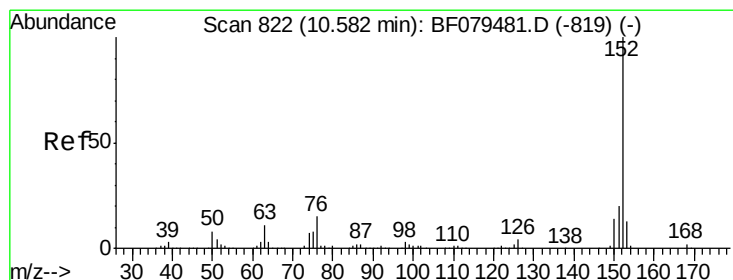
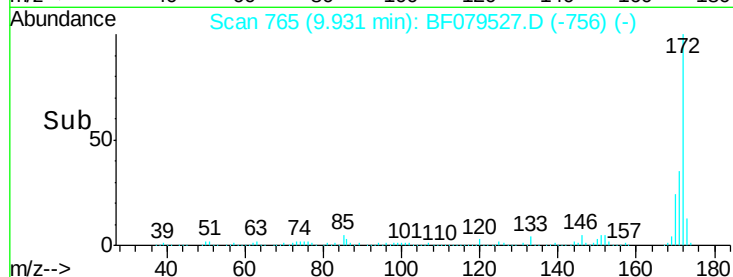
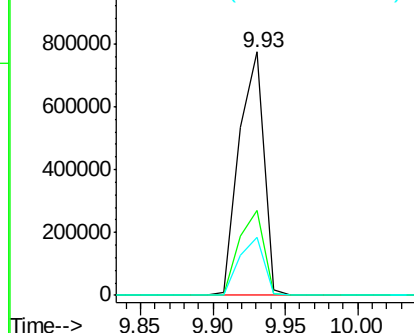
#44
 2-Fluorobiphenyl
 Concen: 93.32 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF079527.D
 Acq: 27 May 2015 19:29

Instrument :
 BNA_F
 ClientSampled :
 TP-15-SS

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.5	42.7
170	23.8	19.7	29.5

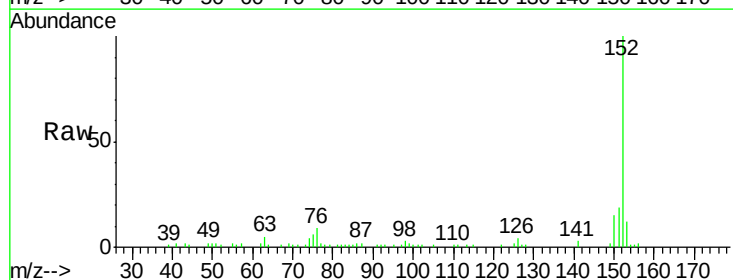


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

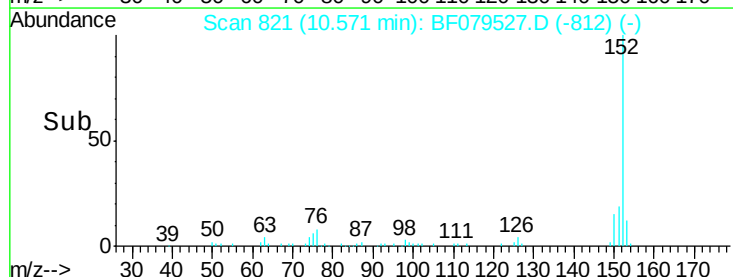
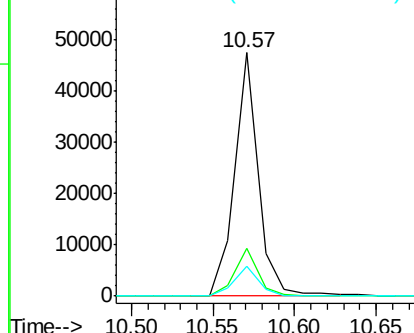


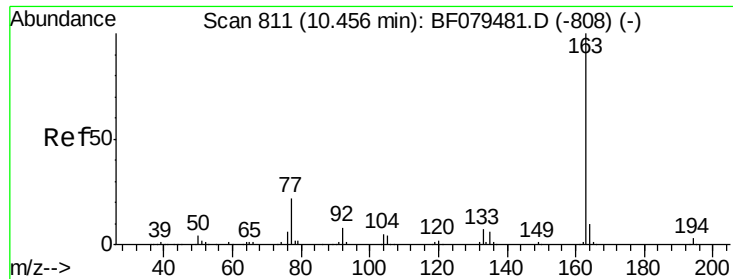
#48
 Acenaphthylene
 Concen: 3.31 ng
 RT: 10.57 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF079527.D
 Acq: 27 May 2015 19:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.8
153	12.4	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

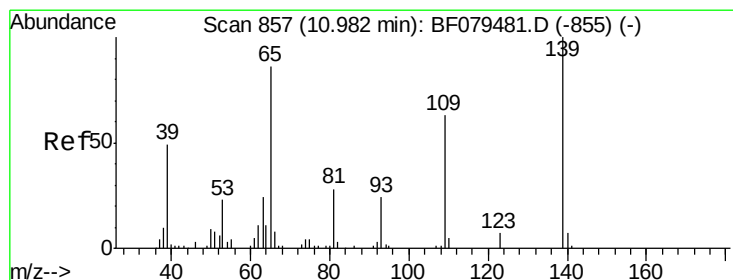
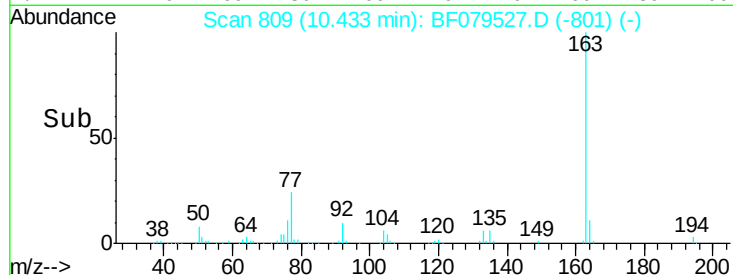
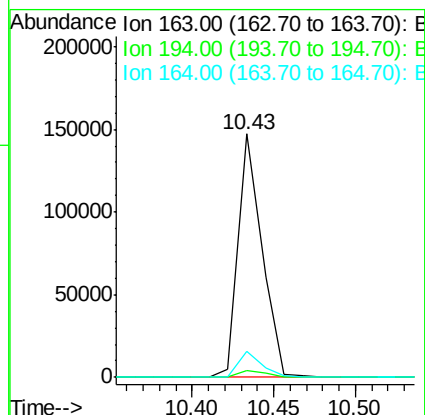
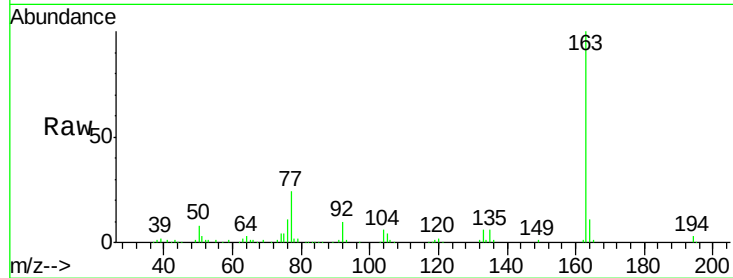




#49
Dimethylphthalate
Concen: 14.31 ng
RT: 10.43 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

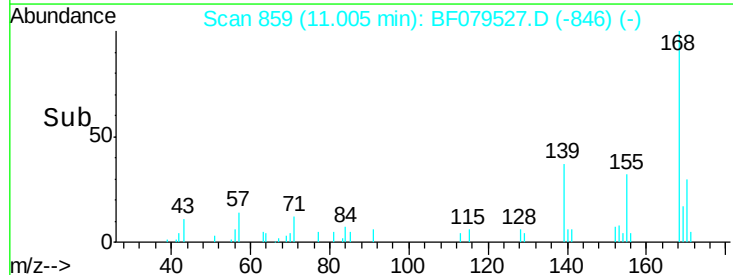
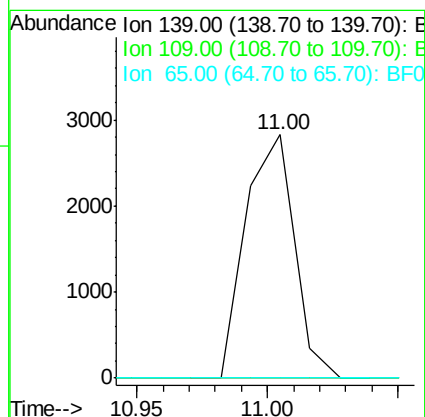
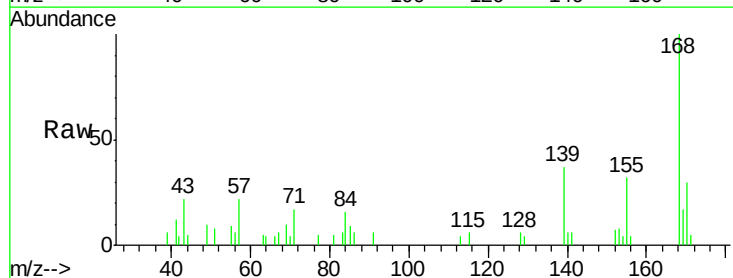
Instrument :
BNA_F
ClientSampleId :
TP-15-SS

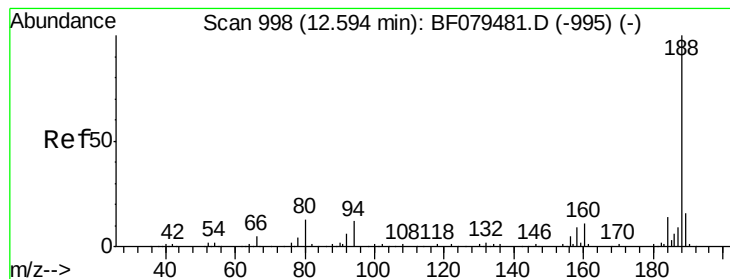
Tgt Ion:163 Resp: 148253
Ion Ratio Lower Upper
163 100
194 2.9 2.4 3.6
164 10.5 8.2 12.4



#55
4-Nitrophenol
Concen: 2.48 ng
RT: 11.00 min Scan# 859
Delta R.T. 0.03 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Tgt Ion:139 Resp: 3705
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: BF079527.D

Acq: 27 May 2015 19:29

Instrument :

BNA_F

ClientSampleId :

TP-15-SS

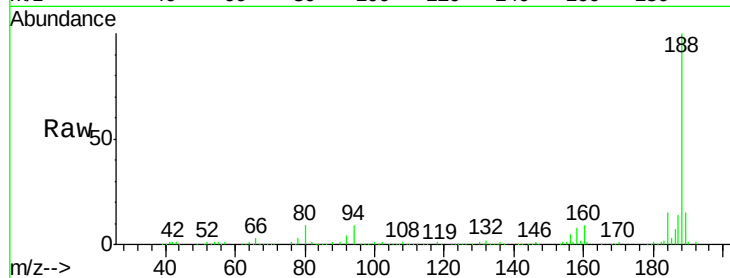
Tgt Ion:188 Resp: 259325

Ion Ratio Lower Upper

188 100

94 8.6 9.8 14.6#

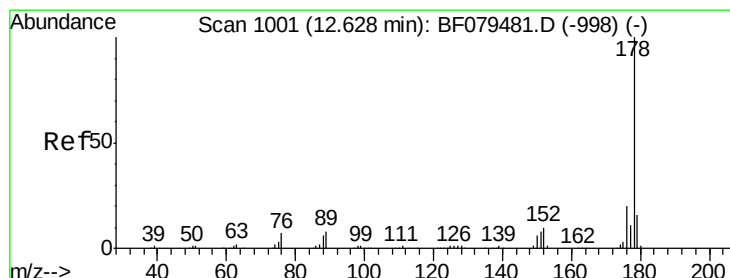
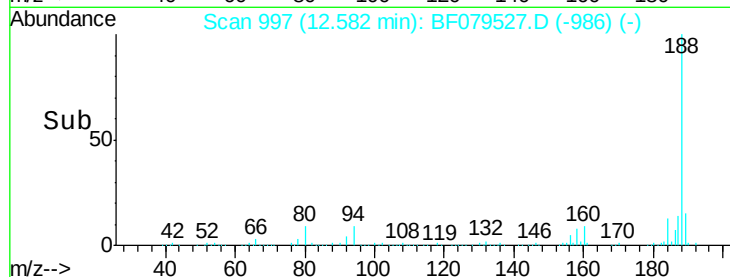
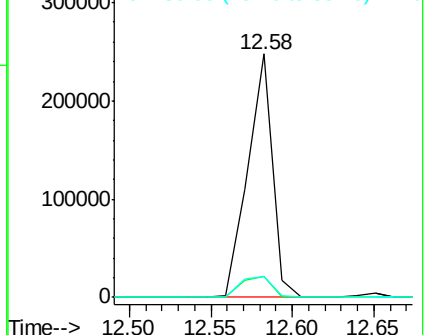
80 8.6 10.5 15.7#



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: 8.77 ng

RT: 12.61 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

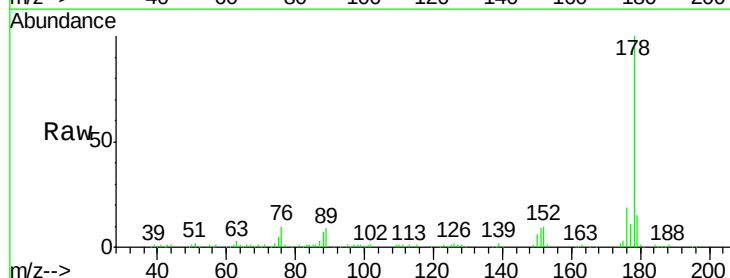
Tgt Ion:178 Resp: 124795

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

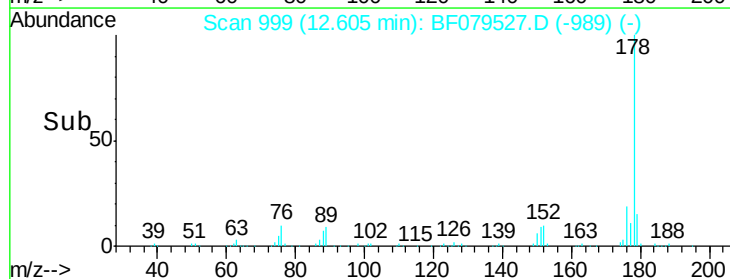
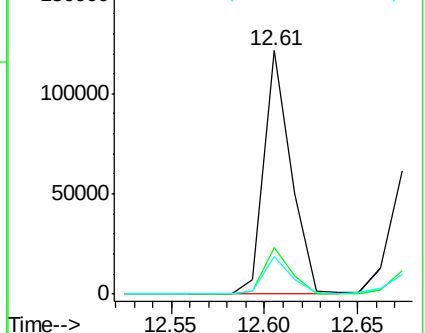
179 15.4 12.4 18.6

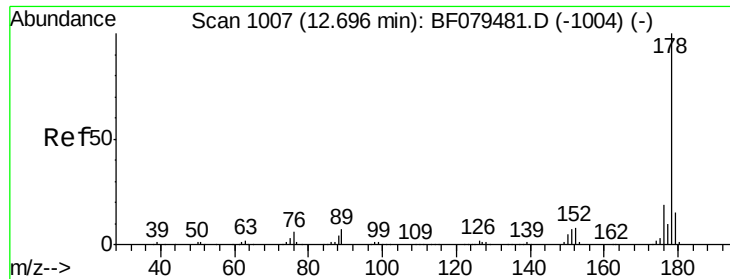


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

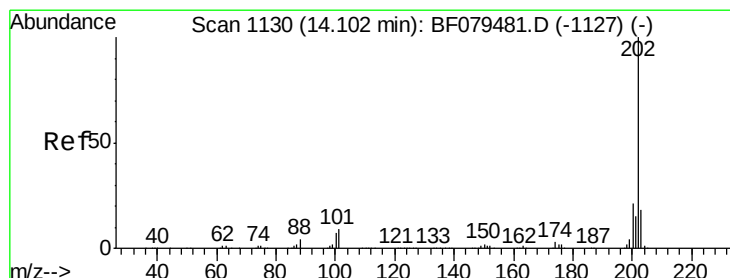
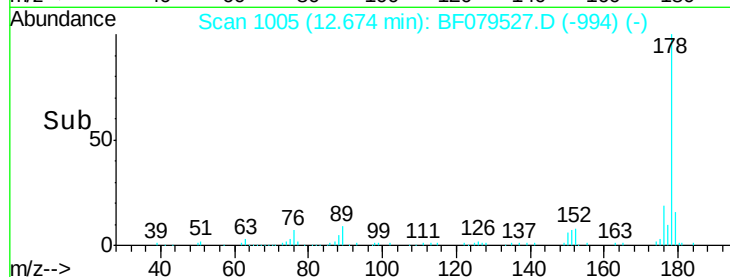
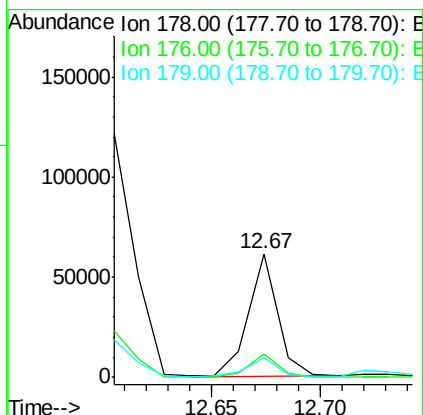
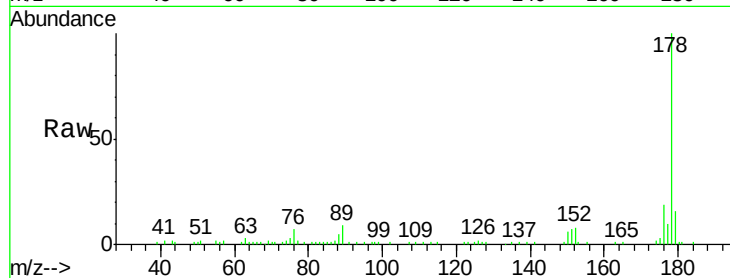




#71
 Anthracene
 Concen: 3.99 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BF079527.D
 Acq: 27 May 2015 19:29

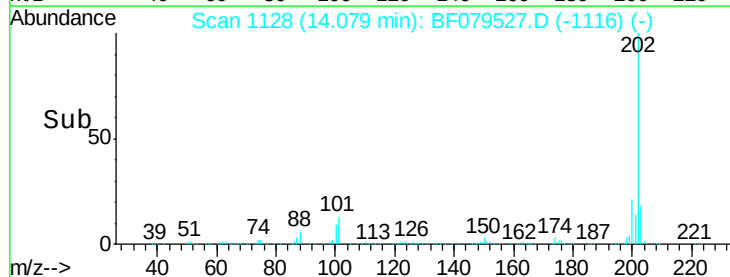
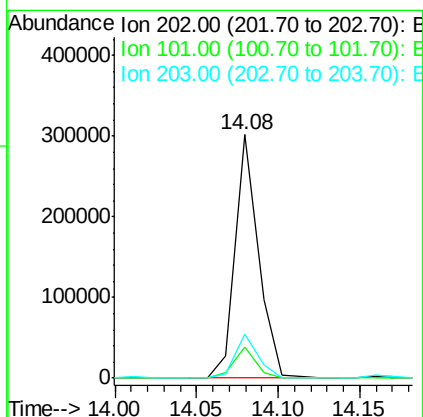
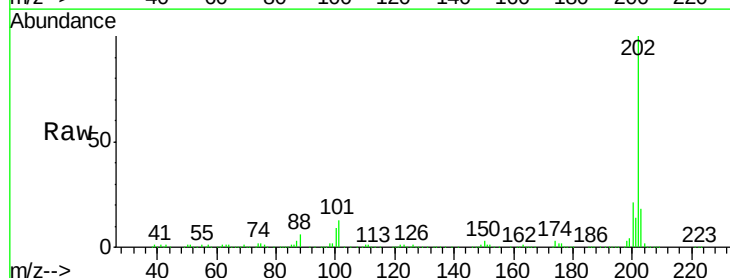
Instrument :
 BNA_F
 ClientSampleId :
 TP-15-SS

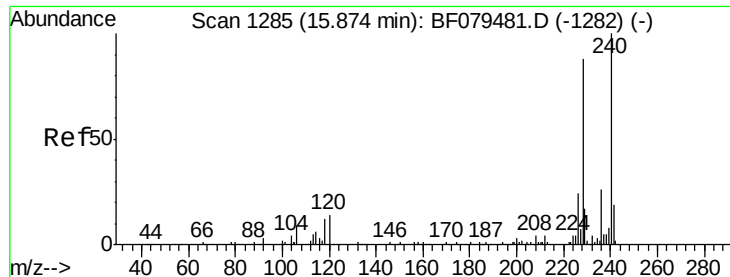
Tgt Ion:178 Resp: 57657
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 15.9 12.2 18.4



#74
 Fluoranthene
 Concen: 19.39 ng
 RT: 14.08 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF079527.D
 Acq: 27 May 2015 19:29

Tgt Ion:202 Resp: 295882
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 29.3
 203 17.8 0.0 37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.08 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Instrument :

BNA_F

ClientSampleId :

TP-15-SS

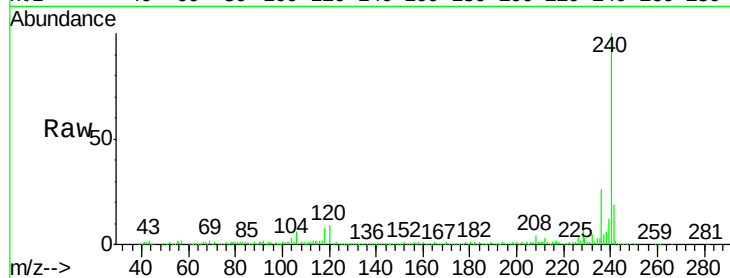
Tgt Ion:240 Resp: 277594

Ion Ratio Lower Upper

240 100

120 8.6 10.8 16.2#

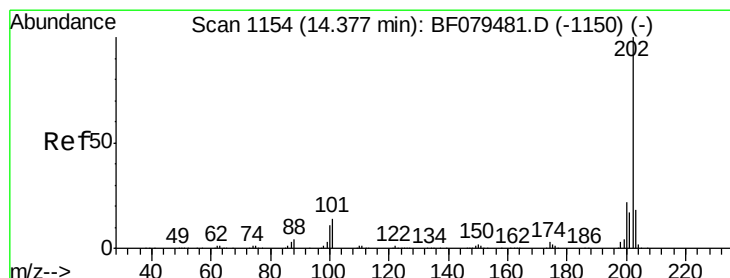
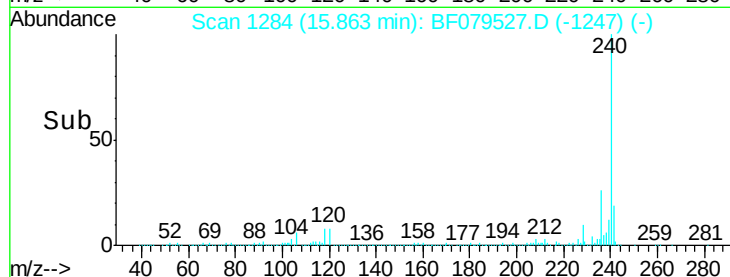
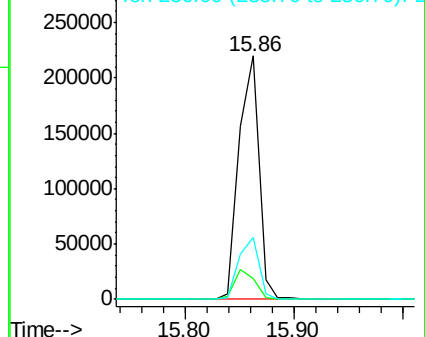
236 25.6 21.0 31.6



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: 15.42 ng

RT: 14.35 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

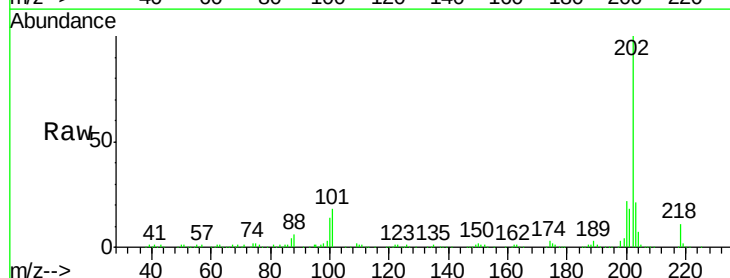
Tgt Ion:202 Resp: 265115

Ion Ratio Lower Upper

202 100

200 21.9 17.5 26.3

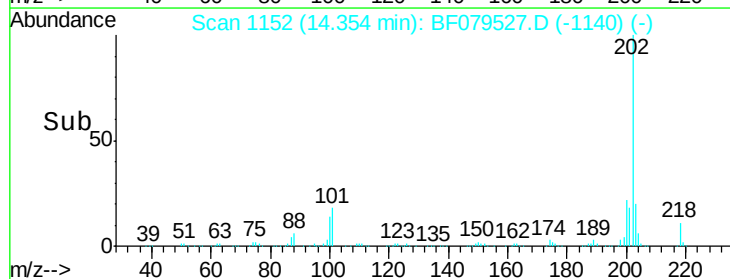
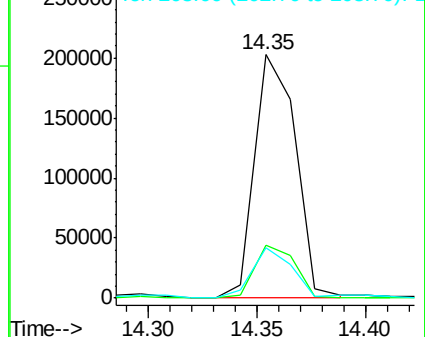
203 20.6 14.4 21.6

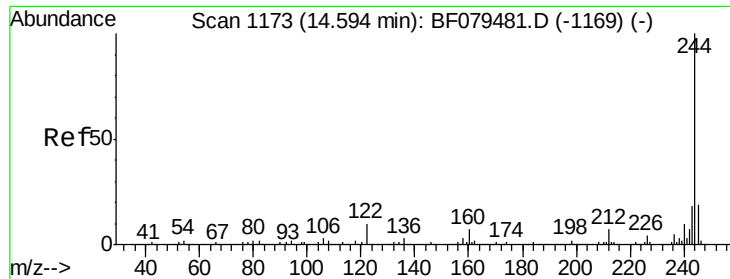


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

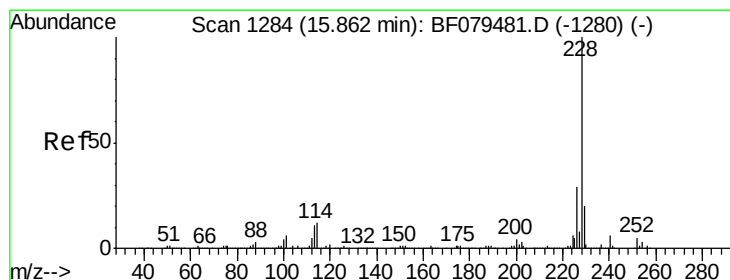
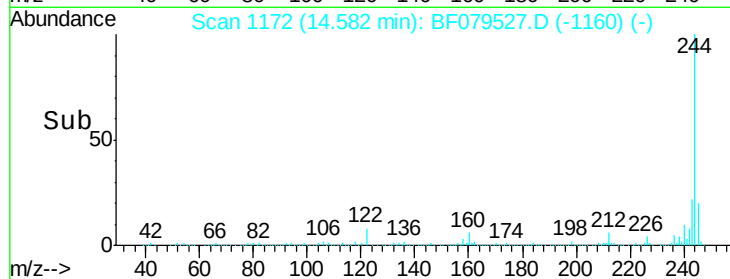
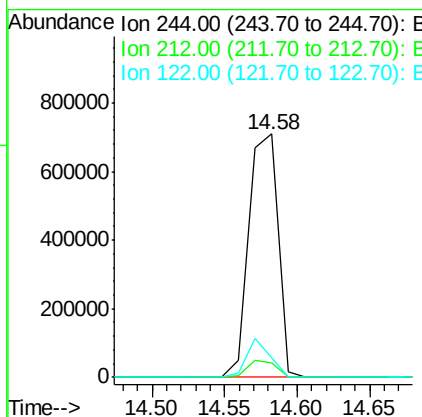
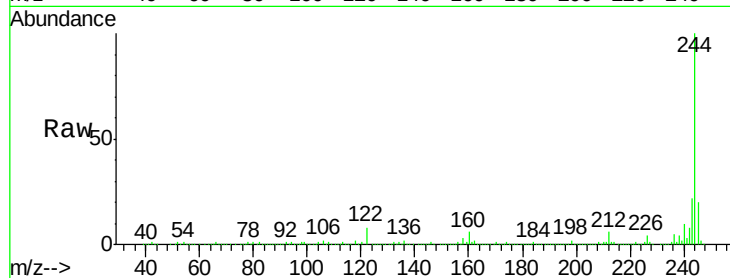




#78
 Terphenyl-d14
 Concen: 84.22 ng
 RT: 14.58 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BF079527.D
 Acq: 27 May 2015 19:29

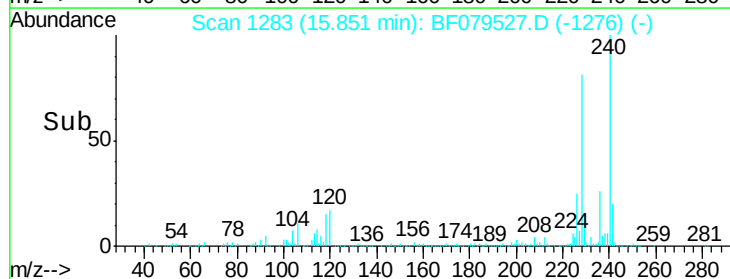
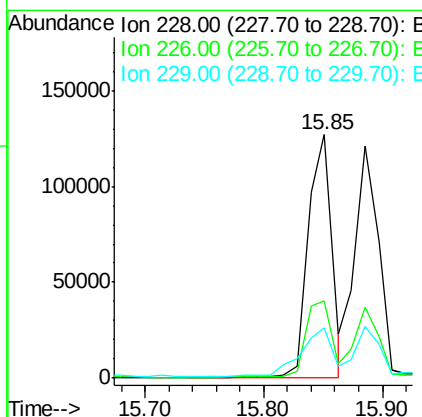
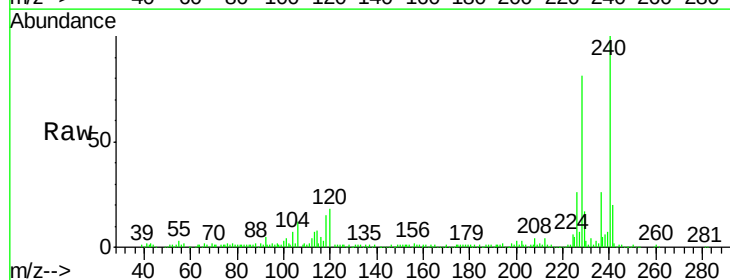
Instrument :
 BNA_F
 ClientSampleId :
 TP-15-SS

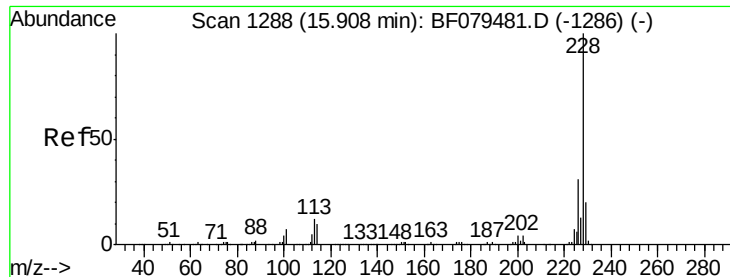
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.2	7.8
122	8.0	8.0	12.0



#80
 Benzo(a)anthracene
 Concen: 10.96 ng
 RT: 15.85 min Scan# 1283
 Delta R.T. -0.08 min
 Lab File: BF079527.D
 Acq: 27 May 2015 19:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.8	34.2
229	20.9	15.9	23.9





#82

Chrysene

Concen: 10.89 ng

RT: 15.89 min Scan# 1286

Delta R.T. -0.09 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Instrument :

BNA_F

ClientSampleId :

TP-15-SS

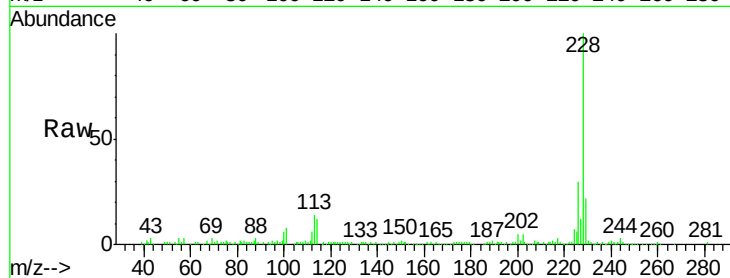
Tgt Ion: 228 Resp: 165313

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.4

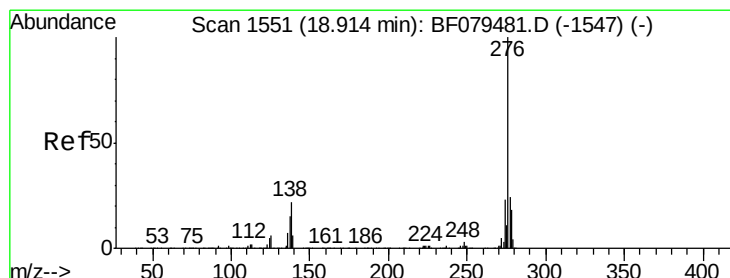
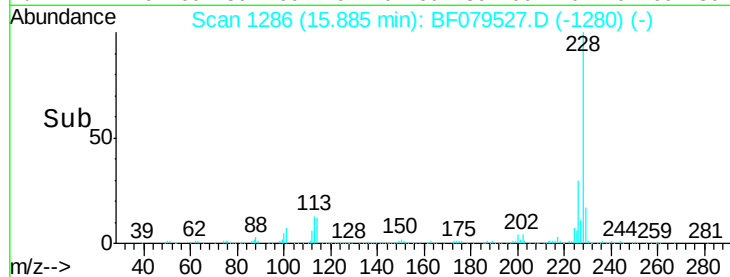
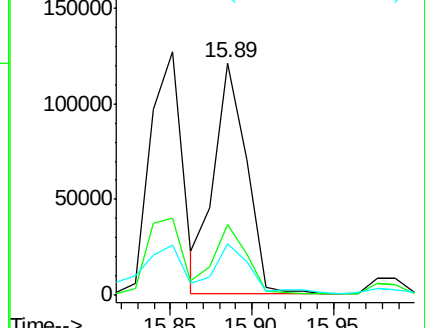
229 22.1 15.9 23.9



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: 7.15 ng

RT: 19.25 min Scan# 1580

Delta R.T. -0.06 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

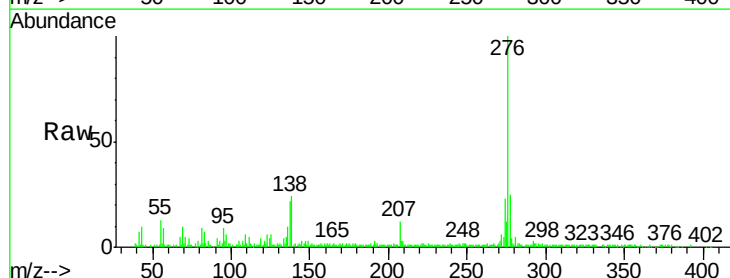
Tgt Ion: 276 Resp: 139645

Ion Ratio Lower Upper

276 100

138 23.6 21.4 32.2

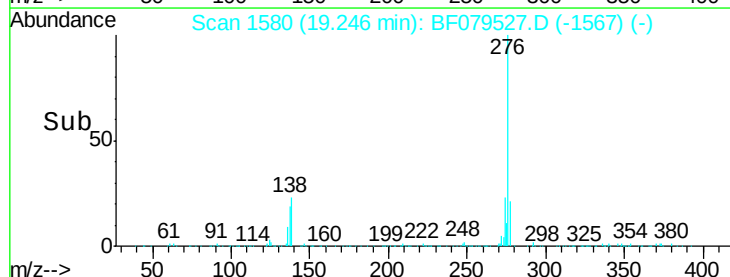
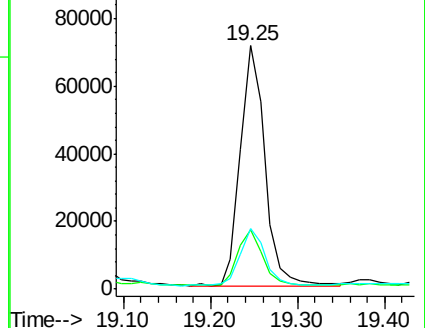
277 24.5 19.8 29.6

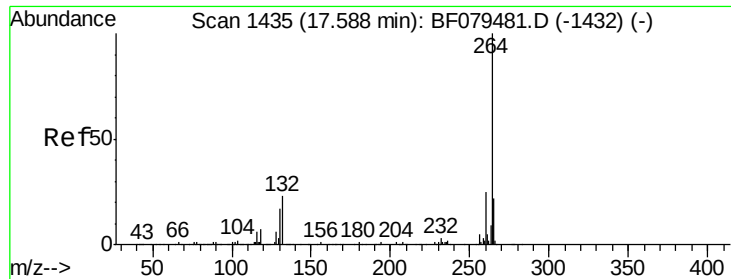


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

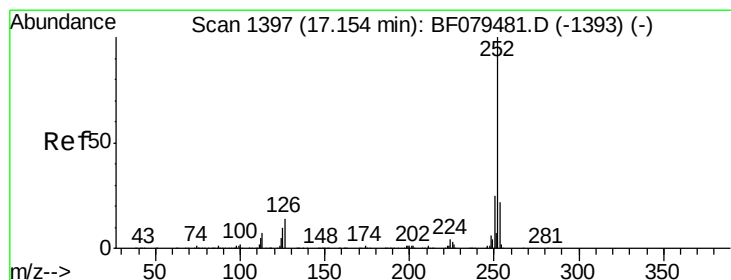
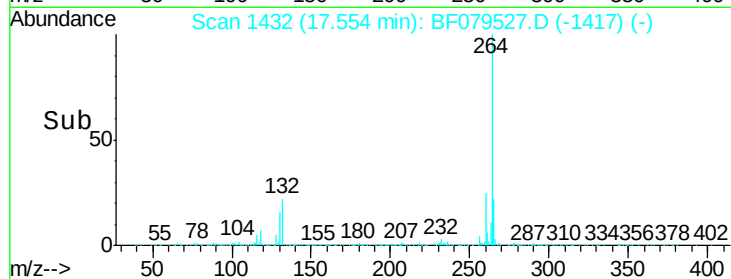
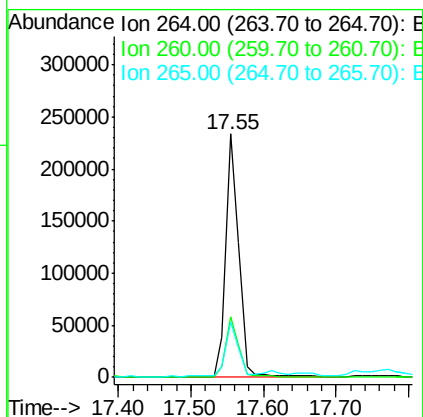
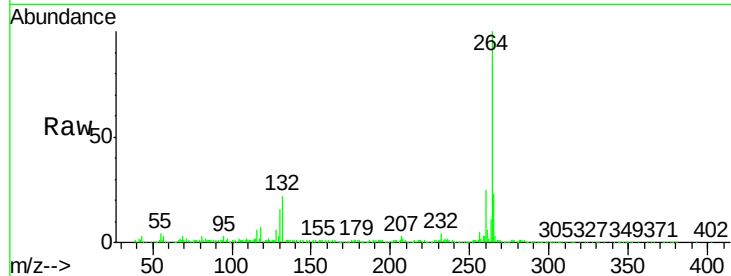




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.55 min Scan# 1432
Delta R.T. -0.33 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

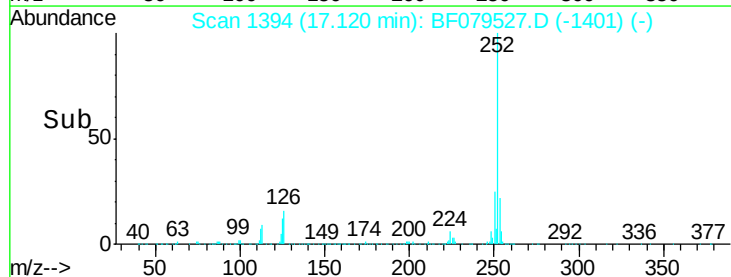
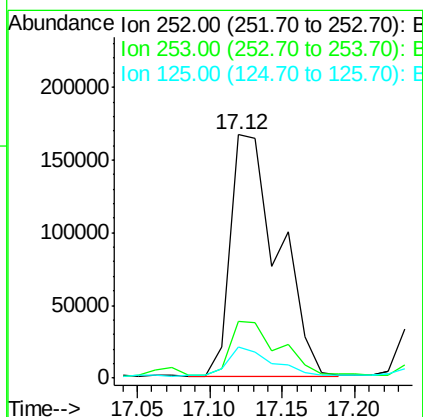
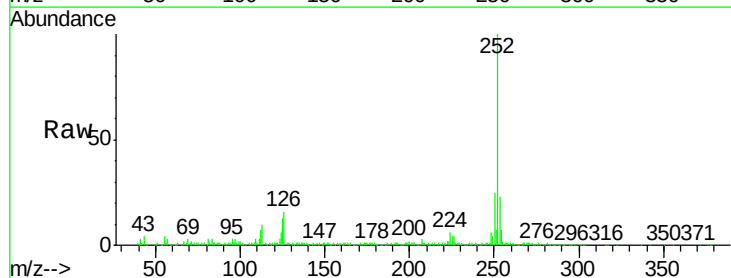
Instrument :
BNA_F
ClientSampleId :
TP-15-SS

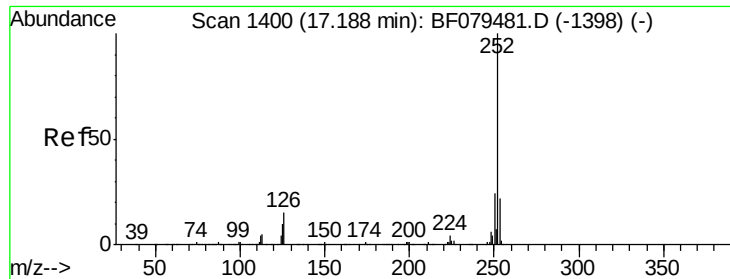
Tgt Ion:264 Resp: 290283
Ion Ratio Lower Upper
264 100
260 24.9 19.8 29.8
265 22.7 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 23.13 ng
RT: 17.12 min Scan# 1394
Delta R.T. -0.26 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Tgt Ion:252 Resp: 383007
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 12.6 7.8 11.6#

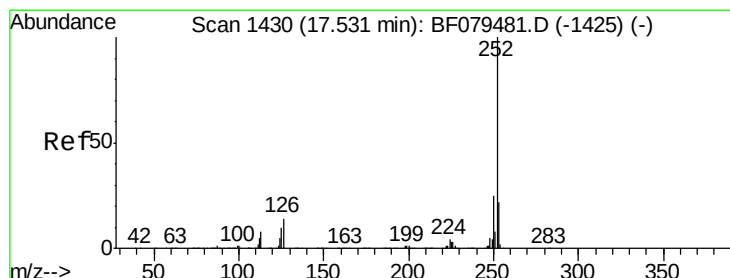
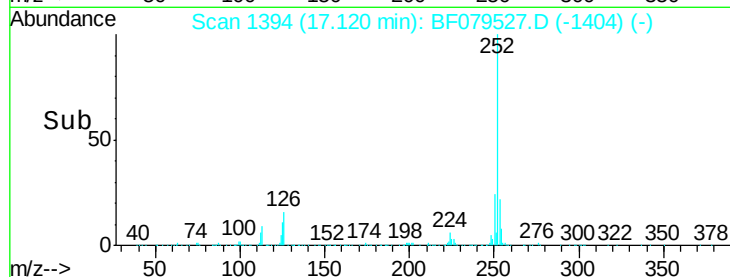
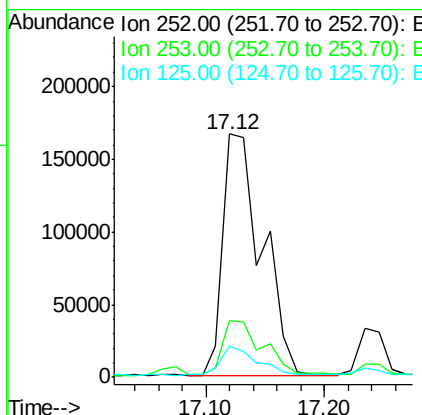
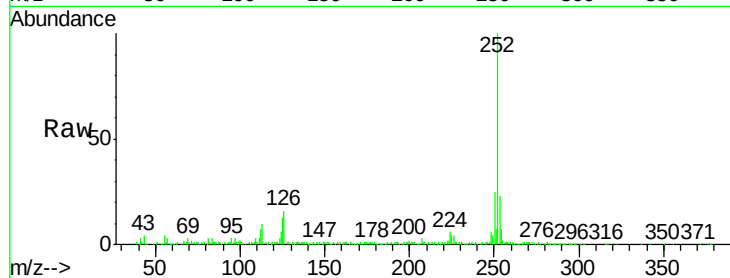




#88
Benzo(k)fluoranthene
Concen: 25.98 ng
RT: 17.12 min Scan# 1394
Delta R.T. -0.30 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

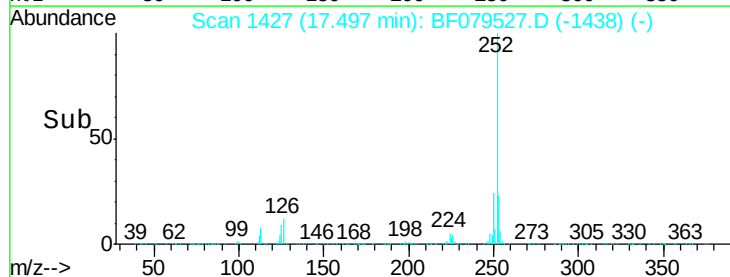
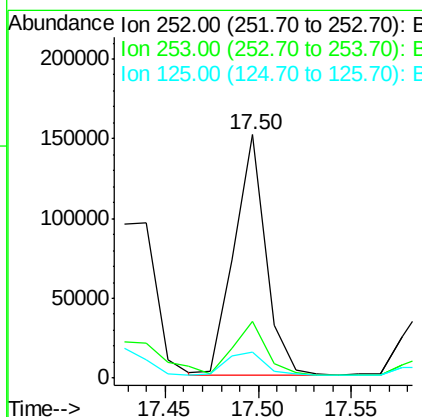
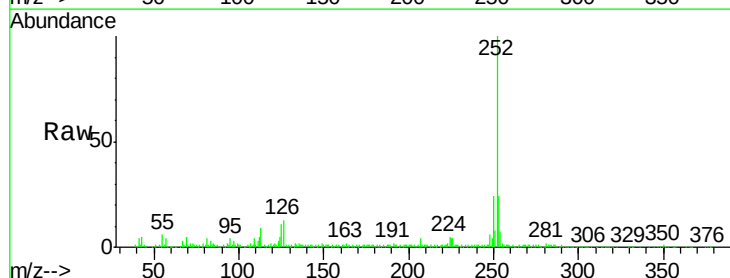
Instrument :
BNA_F
ClientSampled :
TP-15-SS

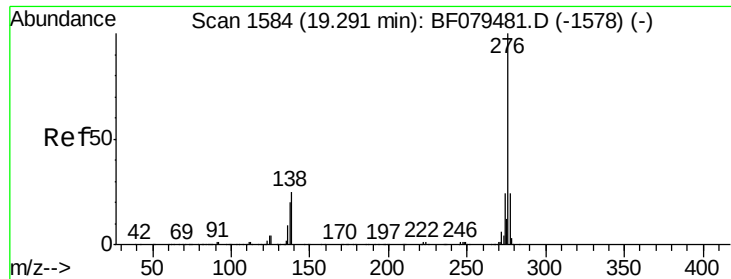
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	12.6	6.8	10.2



#89
Benzo(a)pyrene
Concen: 10.78 ng
RT: 17.50 min Scan# 1427
Delta R.T. -0.31 min
Lab File: BF079527.D
Acq: 27 May 2015 19:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	10.5	7.9	11.9





#91

Benzo(g,h,i)perylene

Concen: 7.05 ng

RT: 19.25 min Scan# 1580

Delta R.T. -0.45 min

Lab File: BF079527.D

Acq: 27 May 2015 19:29

Instrument :

BNA_F

ClientSampleId :

TP-15-SS

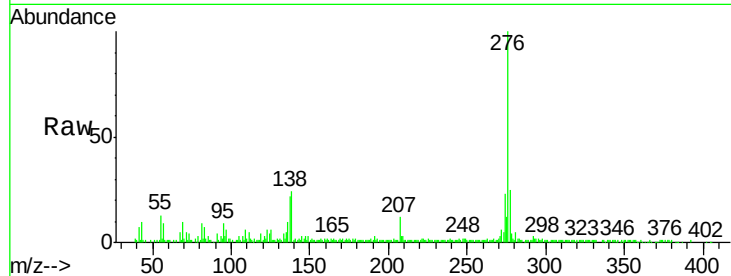
Tgt Ion: 276 Resp: 139645

Ion Ratio Lower Upper

276 100

277 24.7 19.1 28.7

138 24.3 20.1 30.1



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

