

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079615.D
 Acq On : 30 May 2015 21:08
 Operator : TP/IZ
 Sample : G2420-32 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.18(5)

Quant Time: May 31 05:50:05 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 17:35:14 2015
 Response via : Initial Calibration

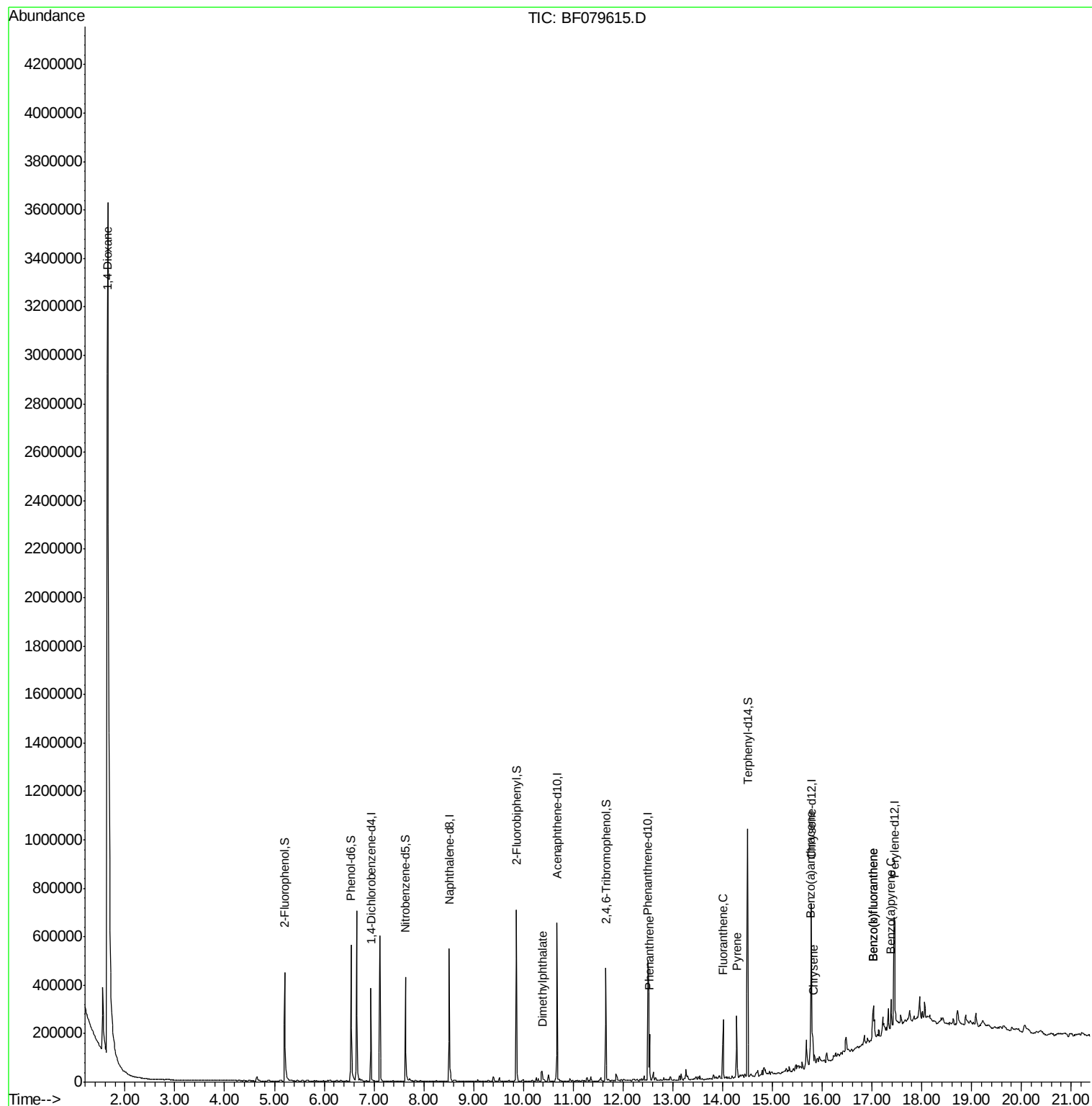
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	67924	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	272354	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	131885	20.00	ng	-0.03
63) Phenanthrene-d10	12.50	188	247722	20.00	ng	-0.03
75) Chrysene-d12	15.78	240	265742	20.00	ng	-0.06
86) Perylene-d12	17.45	264	250943	20.00	ng	-0.22
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	197093	50.33	ng	-0.02
7) Phenol-d6	6.54	99	261064	52.30	ng	-0.02
23) Nitrobenzene-d5	7.63	82	146723	31.14	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	71519	49.37	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	307372	33.25	ng	-0.02
78) Terphenyl-d14	14.50	244	363795	32.13	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.66	88	227691	122.22	ng	# 100
9) Benzaldehyde	6.54	77	311	Below Cal	#	38
49) Dimethylphthalate	10.38	163	26033	2.68	ng	# 98
70) Phenanthrene	12.54	178	74507	5.48	ng	100
73) Di-n-butylphthalate	13.27	149	1319	Below Cal	#	78
74) Fluoranthene	14.01	202	124321	8.53	ng	99
77) Pyrene	14.29	202	114619	6.96	ng	98
80) Benzo(a)anthracene	15.77	228	69689	4.56	ng	97
82) Chrysene	15.82	228	51998	3.58	ng	96
87) Benzo(b)fluoranthene	17.03	252	109263	7.63	ng	# 95
88) Benzo(k)fluoranthene	17.03	252	109263	8.54	ng	# 93
89) Benzo(a)pyrene	17.38	252	55829	2.64	ng	# 93
90) Dibenzo(a,h)anthracene	18.80	278	2934	Below Cal	#	17
91) Benzo(g,h,i)perylene	19.09	276	40380	Below Cal	#	94

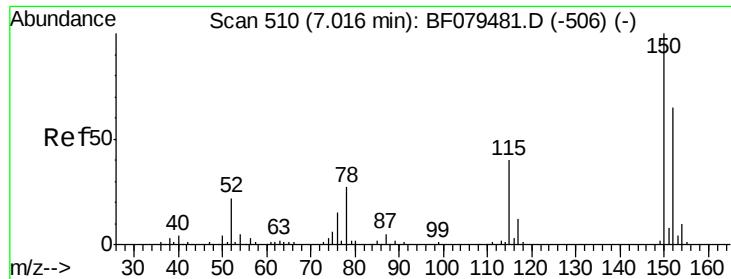
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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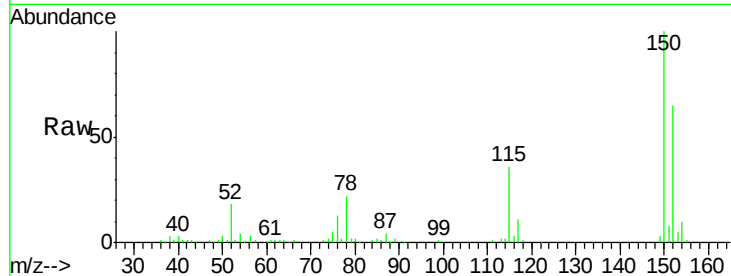




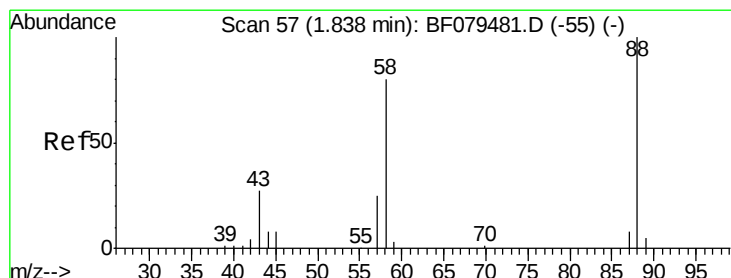
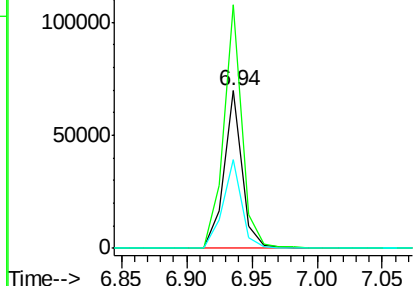
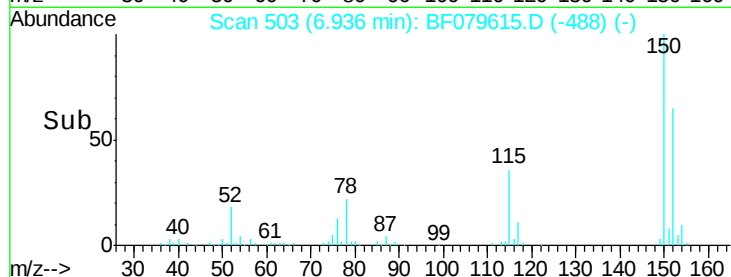
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.18(5)

Tgt Ion:152 Resp: 67924
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.0 186.0
 115 55.9 49.6 74.4

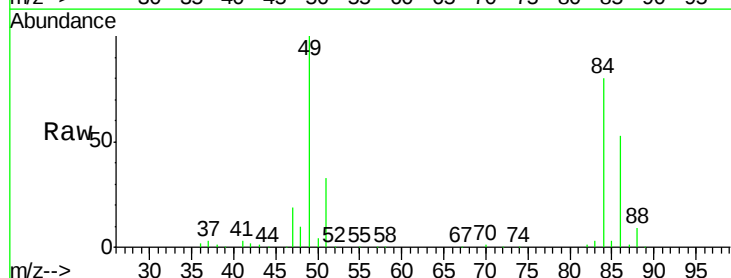


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

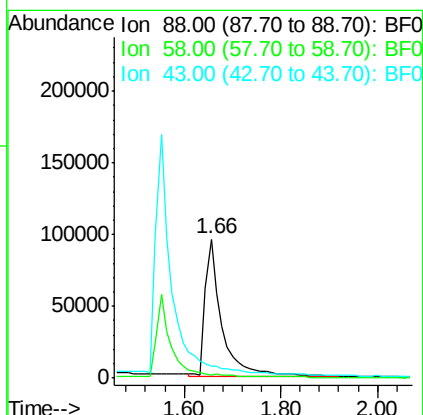
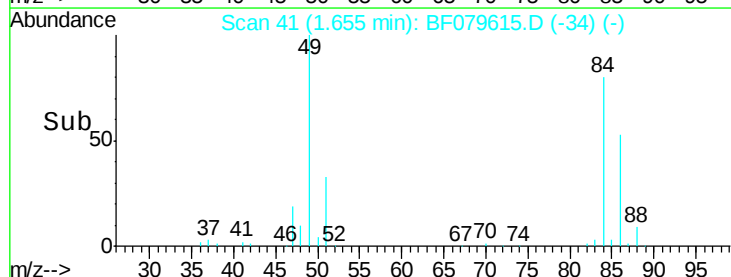


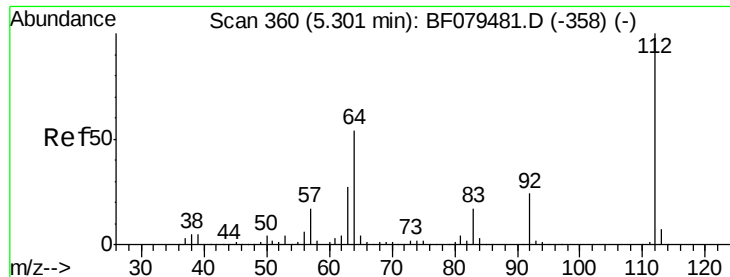
#2
 1,4-Dioxane
 Concen: 122.22 ng
 RT: 1.66 min Scan# 41
 Delta R.T. -0.11 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Tgt Ion: 88 Resp: 227691
 Ion Ratio Lower Upper
 88 100
 58 0.0 0.0 0.0
 43 0.0 0.0 0.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0

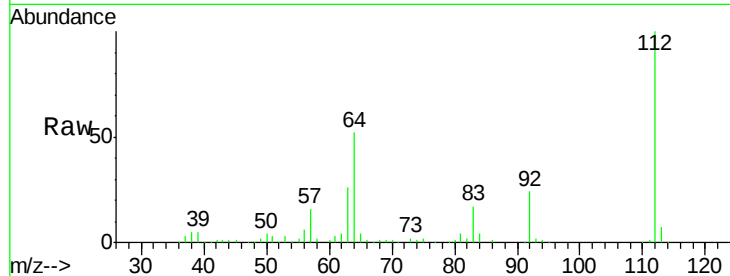




#5
 2-Fluorophenol
 Concen: 50.33 ng
 RT: 5.21 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.18(5)

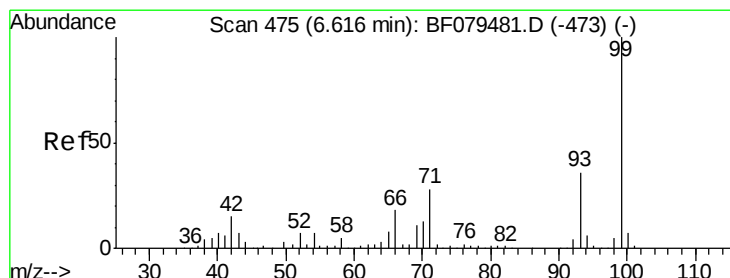
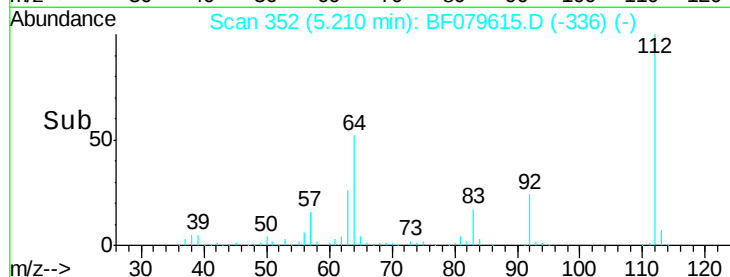
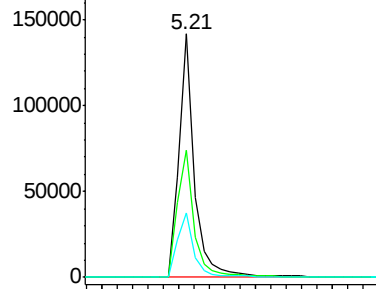
Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	43.5	65.3
63	26.3	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): E

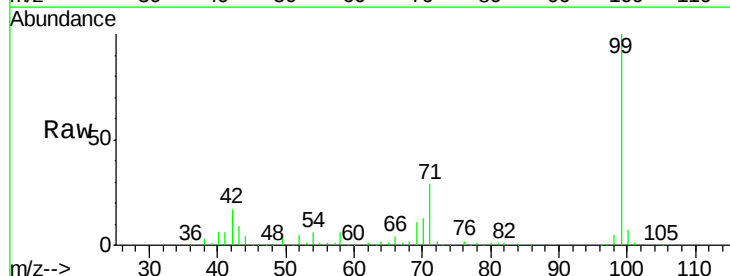
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7
 Phenol-d6
 Concen: 52.30 ng
 RT: 6.54 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

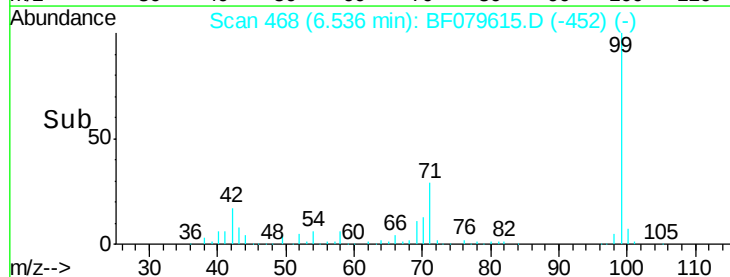
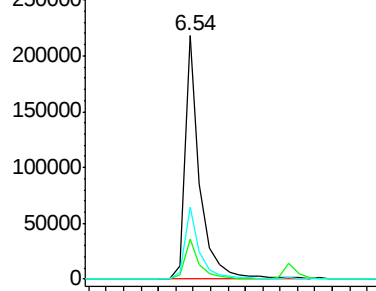
Tgt Ion	Ratio	Lower	Upper
99	100		
42	16.7	11.9	17.9
71	29.4	22.1	33.1

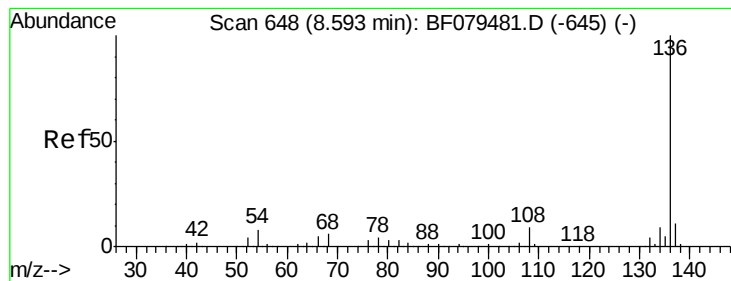


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.51 min Scan# 641

Delta R.T. -0.02 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

Instrument :

BNA_F

ClientSampleId :

PENRD8.18(5)

Tgt Ion: 136 Resp: 272354

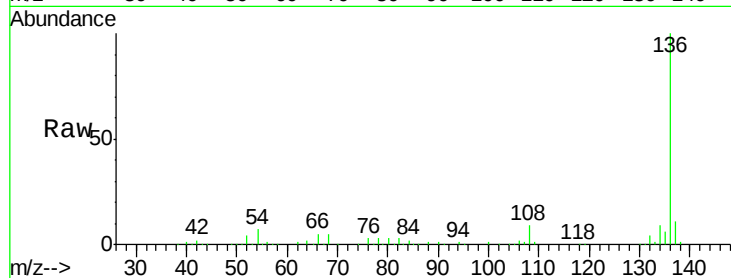
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.6 6.6 9.8

68 5.1 4.7 7.1

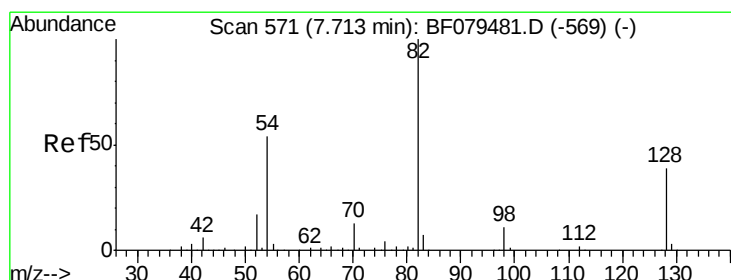
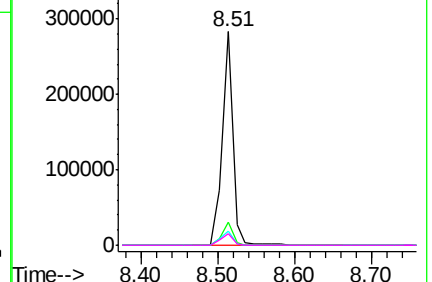
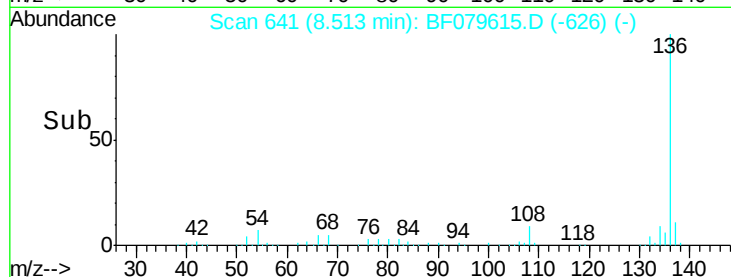


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.14 ng

RT: 7.63 min Scan# 564

Delta R.T. -0.03 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

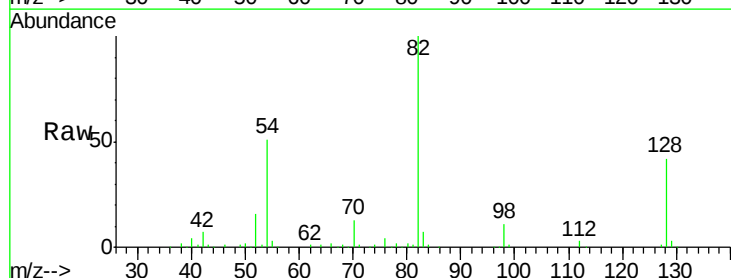
Tgt Ion: 82 Resp: 146723

Ion Ratio Lower Upper

82 100

128 41.8 30.8 46.2

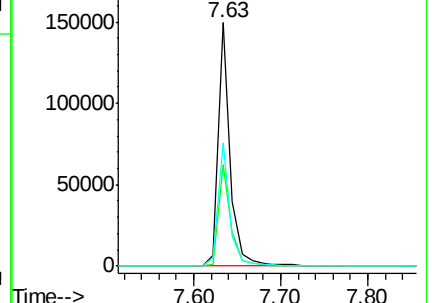
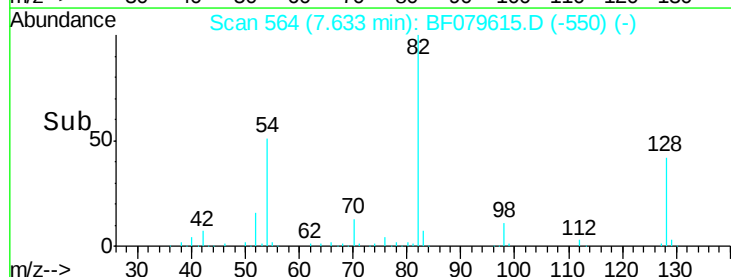
54 50.9 42.8 64.2

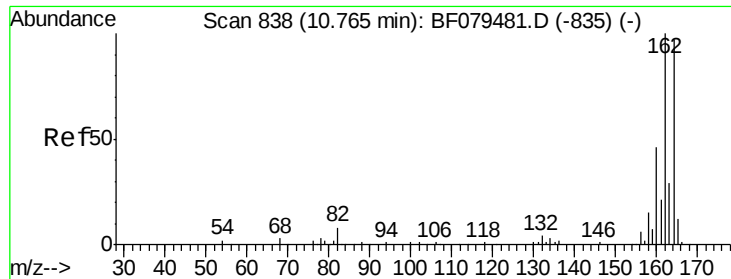


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

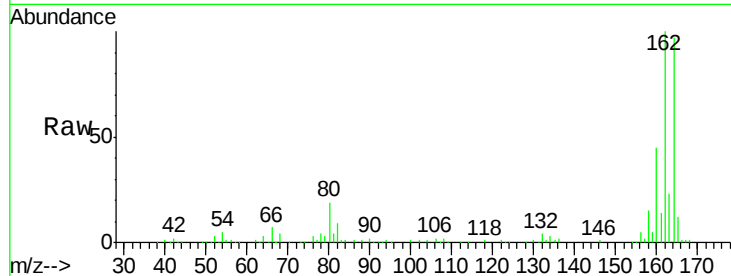




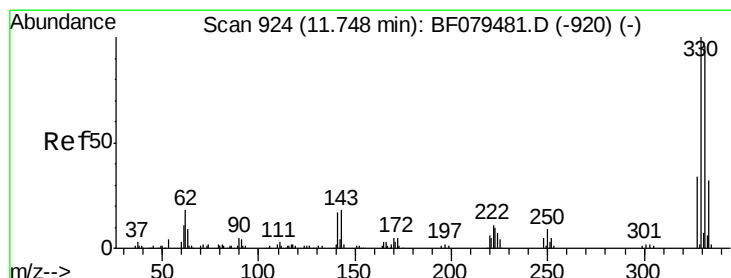
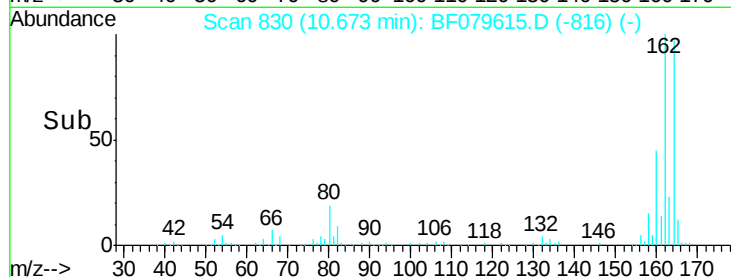
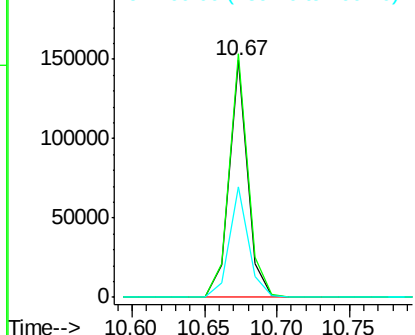
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.67 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF079615.D
Acq: 30 May 2015 21:08

Instrument :
BNA_F
ClientSampleId :
PENRD8.18(5)

Tgt Ion:164 Resp: 131885
Ion Ratio Lower Upper
164 100
162 102.7 82.6 124.0
160 46.5 37.7 56.5

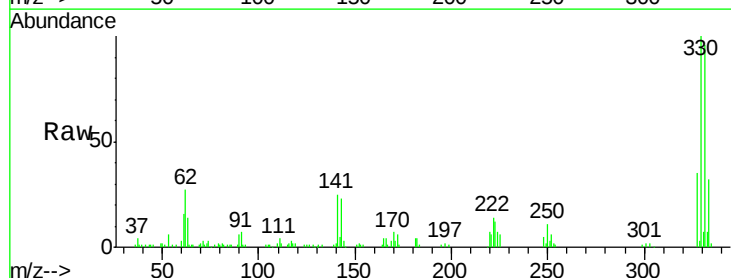


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

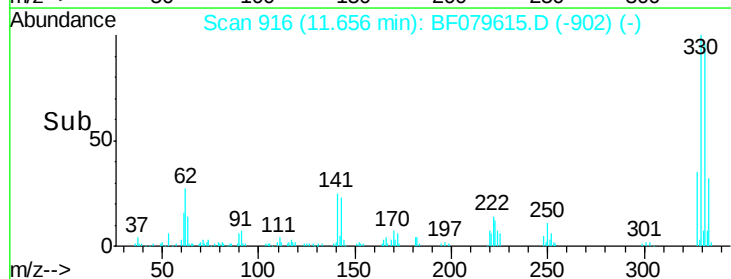
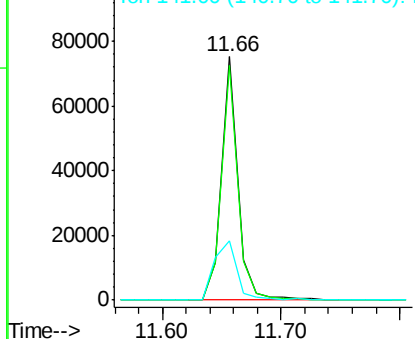


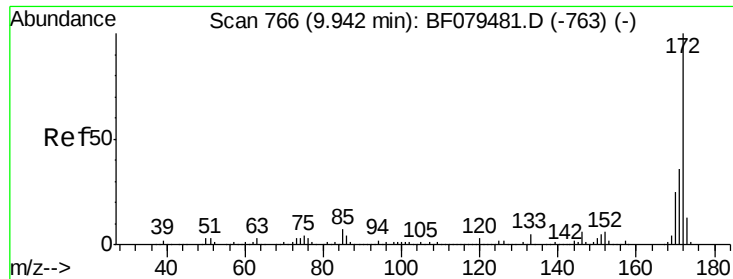
#41
2,4,6-Tribromophenol
Concen: 49.37 ng
RT: 11.66 min Scan# 916
Delta R.T. -0.03 min
Lab File: BF079615.D
Acq: 30 May 2015 21:08

Tgt Ion:330 Resp: 71519
Ion Ratio Lower Upper
330 100
332 96.6 0.0 0.0#
141 34.2 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

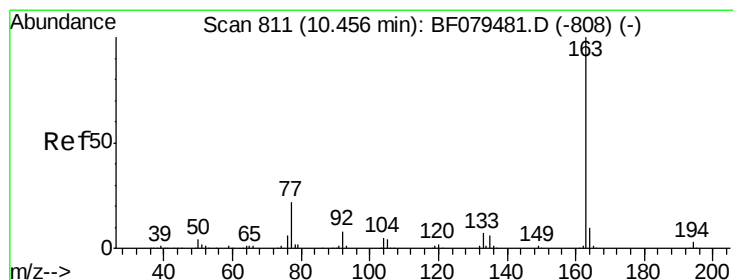
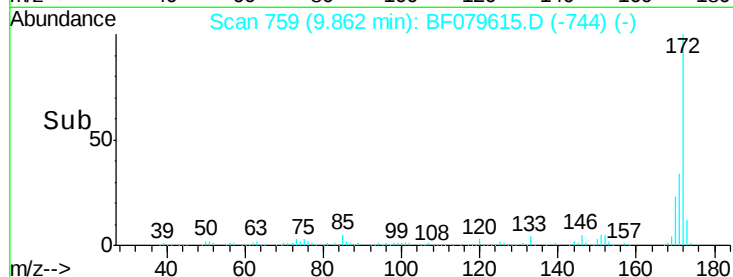
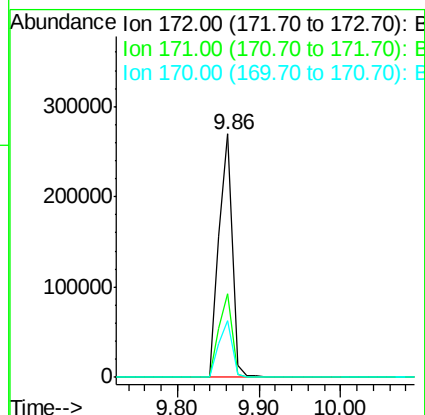
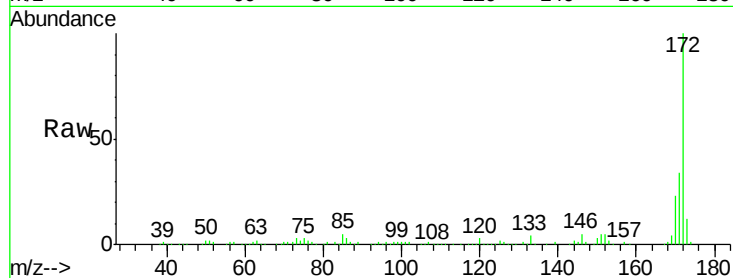




#44
 2-Fluorobiphenyl
 Concen: 33.25 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

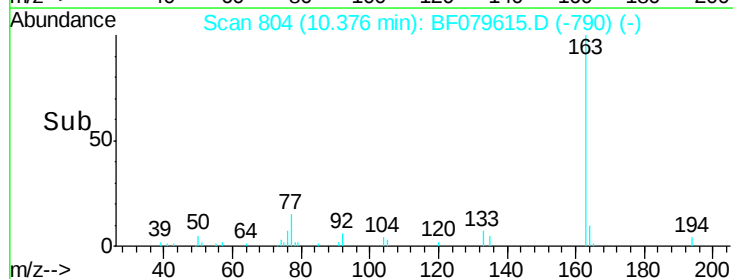
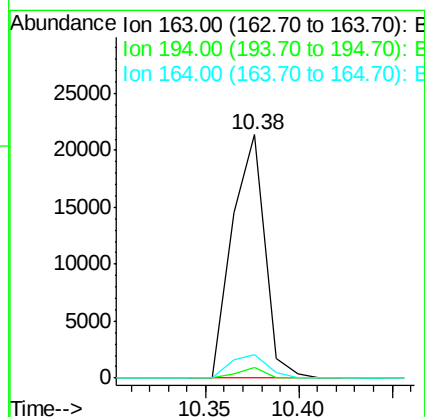
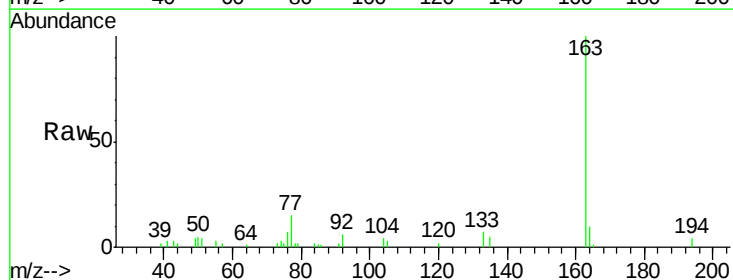
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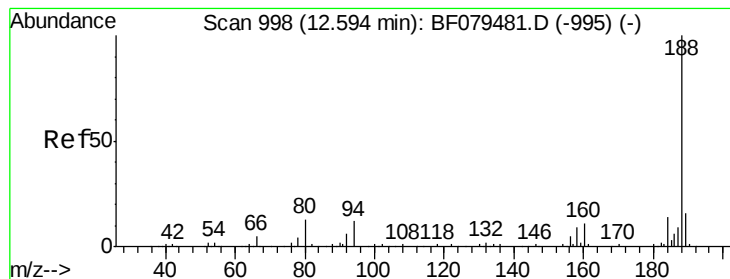
Tgt Ion:172 Resp: 307372
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.5 42.7
 170 23.4 19.7 29.5



#49
 Dimethylphthalate
 Concen: 2.68 ng
 RT: 10.38 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Tgt Ion:163 Resp: 26033
 Ion Ratio Lower Upper
 163 100
 194 4.3 2.4 3.6#
 164 9.9 8.2 12.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.50 min Scan# 990

Delta R.T. -0.03 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

Instrument :

BNA_F

ClientSampleId :

PENRD8.18(5)

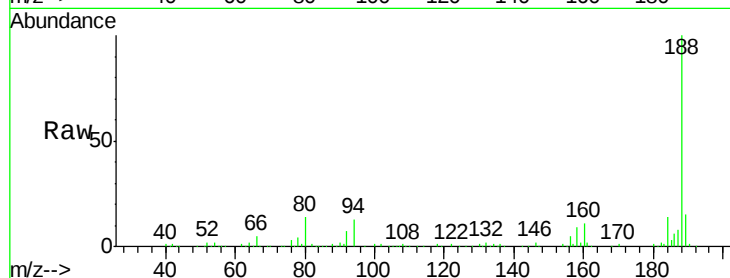
Tgt Ion:188 Resp: 247722

Ion Ratio Lower Upper

188 100

94 12.6 9.8 14.6

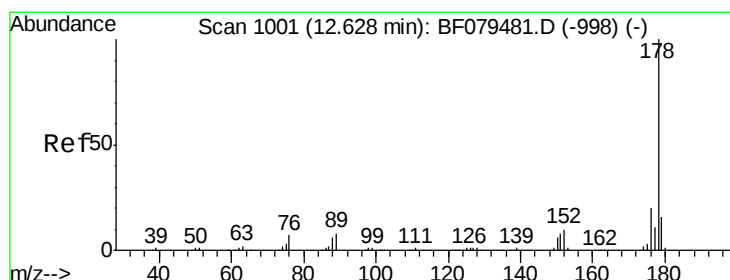
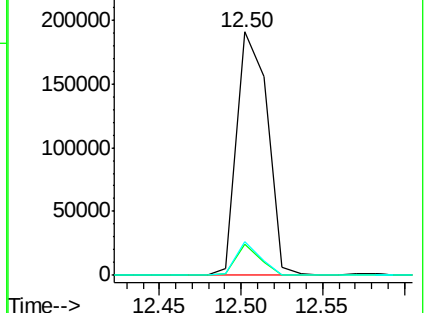
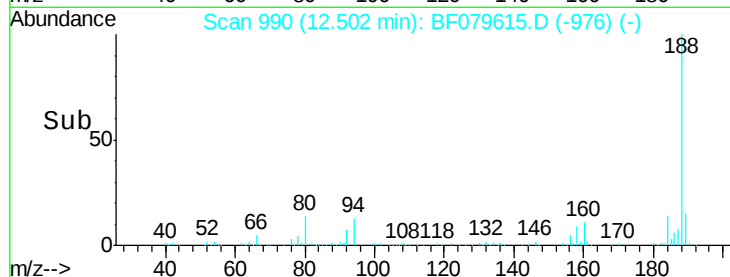
80 13.9 10.5 15.7



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: 5.48 ng

RT: 12.54 min Scan# 993

Delta R.T. -0.03 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

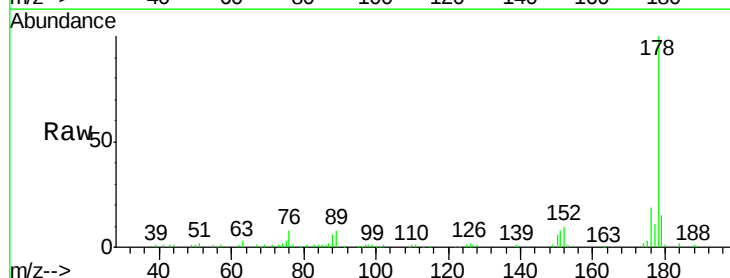
Tgt Ion:178 Resp: 74507

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

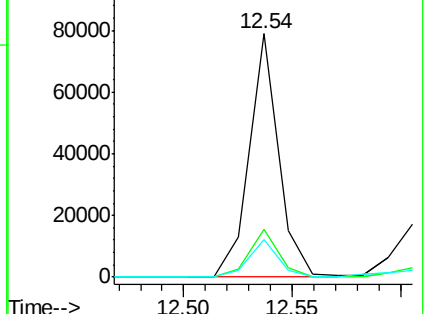
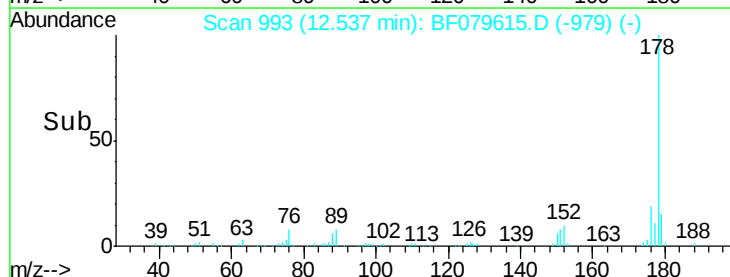
179 15.3 12.4 18.6

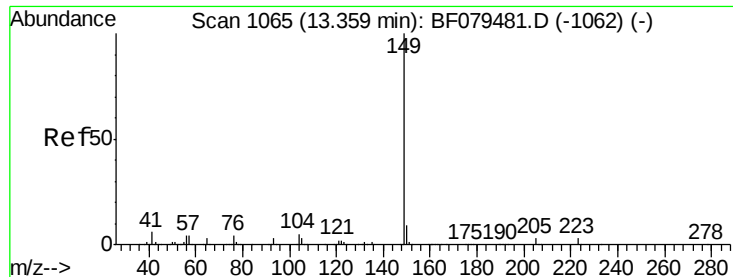


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 13.27 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

Instrument :

BNA_F

ClientSampleId :

PENRD8.18(5)

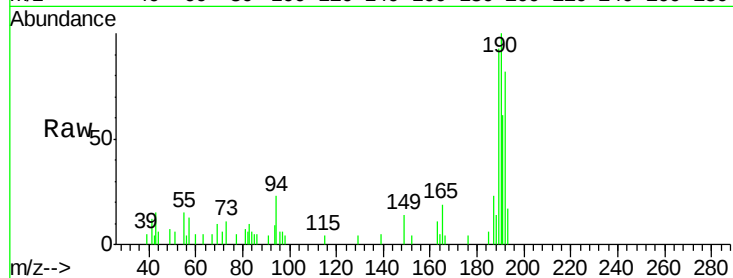
Tgt Ion:149 Resp: 1319

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

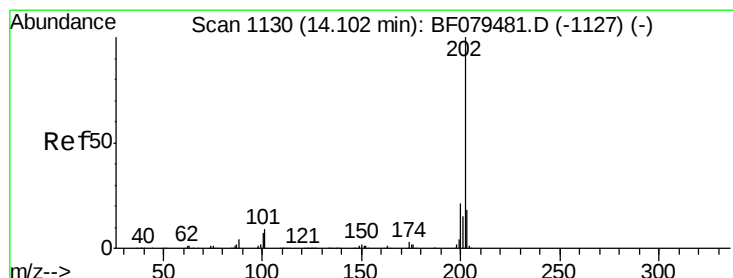
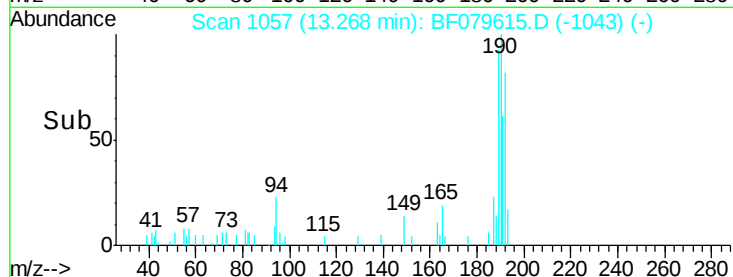
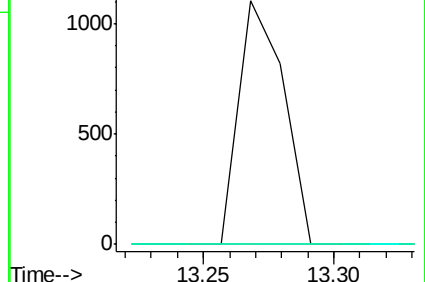
104 0.0 3.6 5.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 8.53 ng

RT: 14.01 min Scan# 1122

Delta R.T. -0.02 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

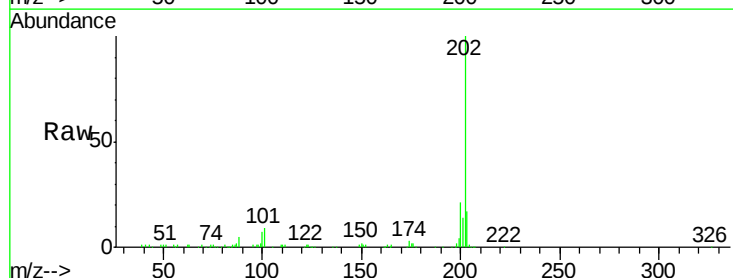
Tgt Ion:202 Resp: 124321

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.3

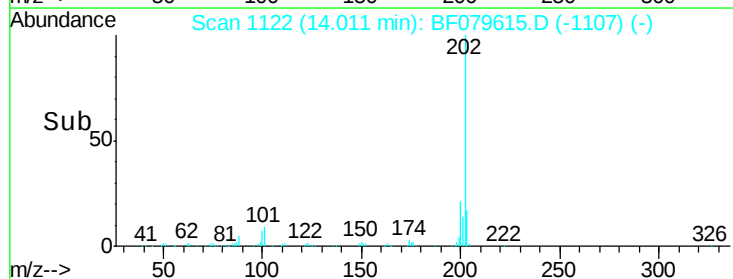
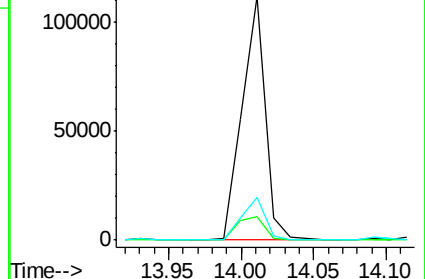
203 17.3 0.0 37.6

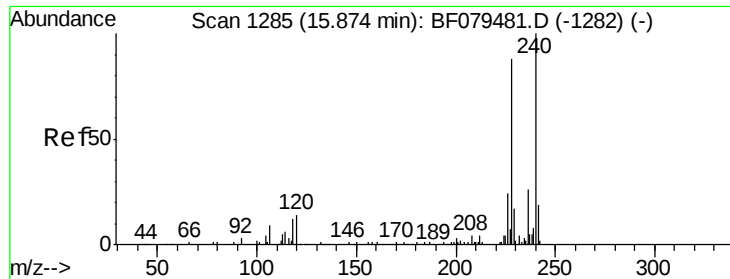


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

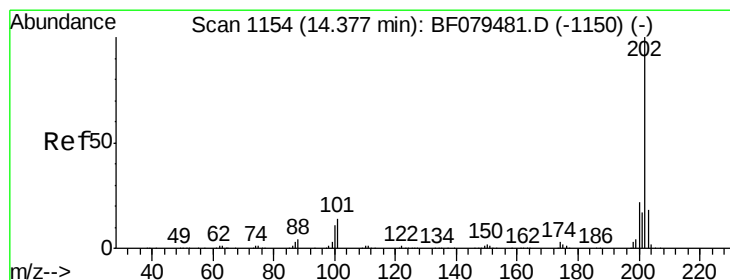
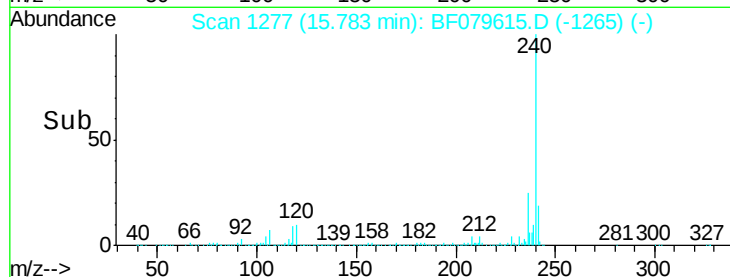
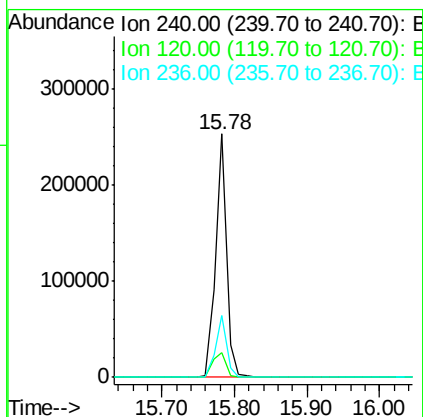
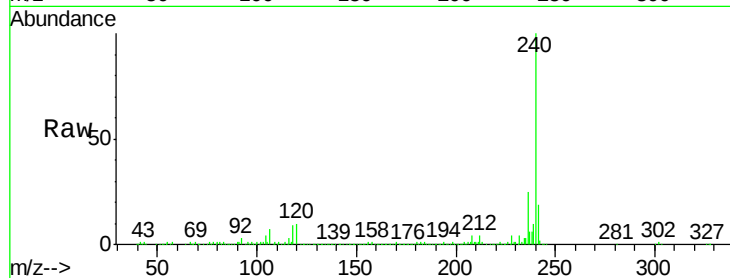




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.78 min Scan# 1277
 Delta R.T. -0.06 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

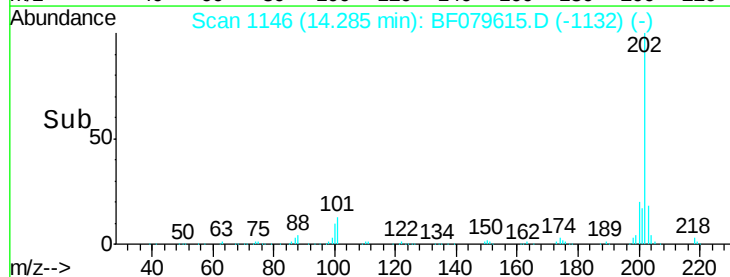
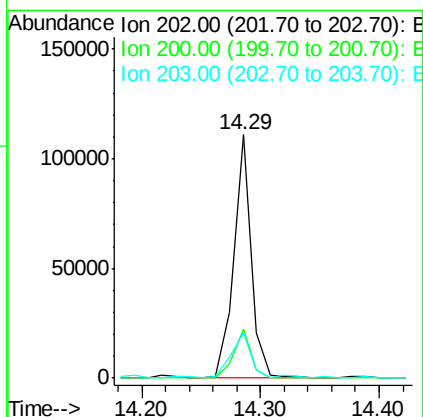
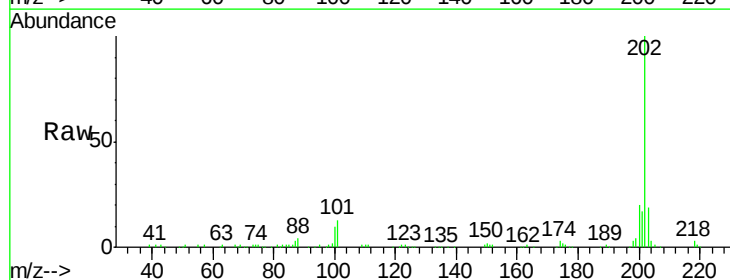
Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.18(5)

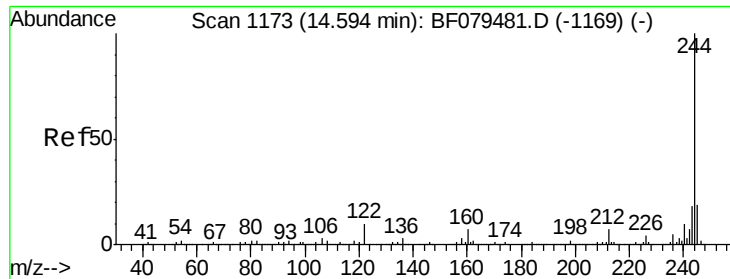
Tgt Ion:240 Resp: 265742
 Ion Ratio Lower Upper
 240 100
 120 10.4 10.8 16.2#
 236 25.4 21.0 31.6



#77
 Pyrene
 Concen: 6.96 ng
 RT: 14.29 min Scan# 1146
 Delta R.T. -0.03 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Tgt Ion:202 Resp: 114619
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.5 26.3
 203 18.6 14.4 21.6

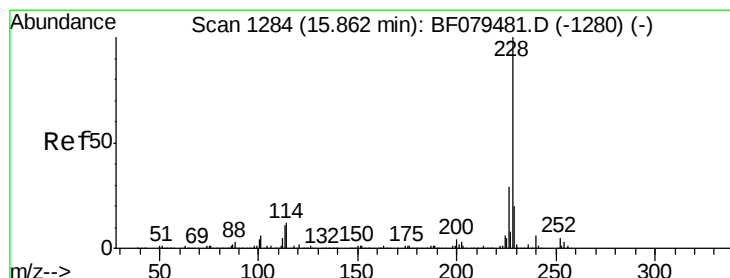
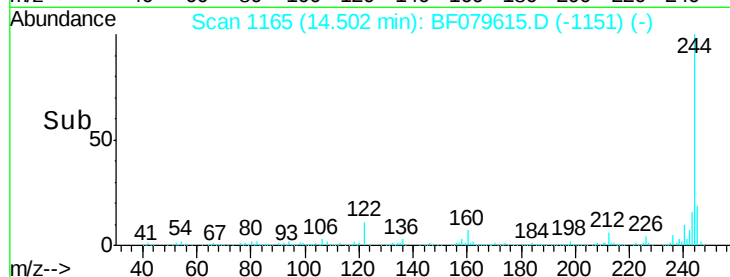
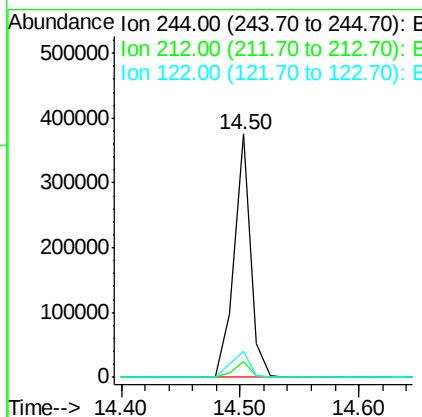
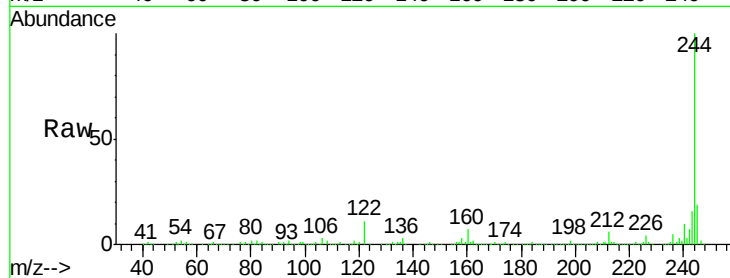




#78
 Terphenyl-d14
 Concen: 32.13 ng
 RT: 14.50 min Scan# 1165
 Delta R.T. -0.03 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

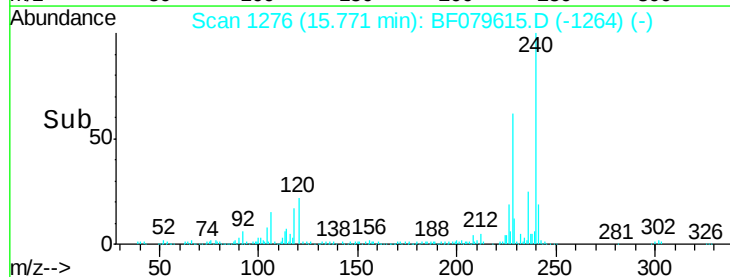
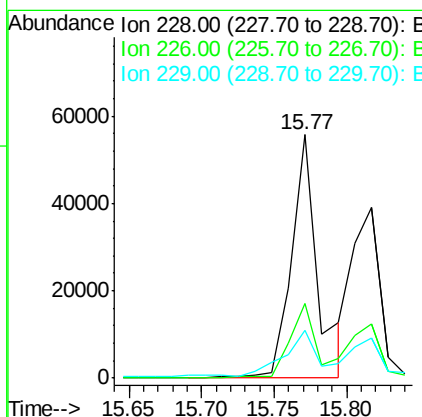
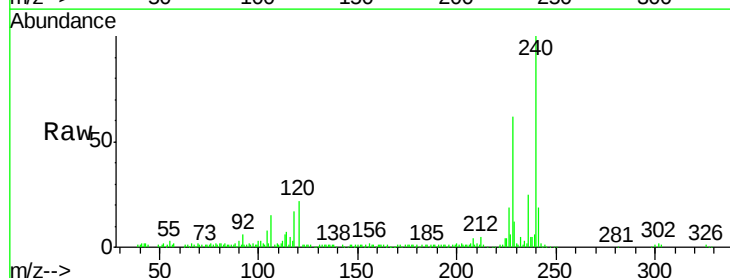
Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.18(5)

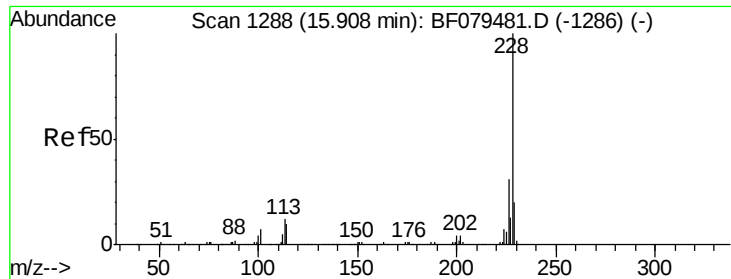
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.6	8.0	12.0



#80
 Benzo(a)anthracene
 Concen: 4.56 ng
 RT: 15.77 min Scan# 1276
 Delta R.T. -0.06 min
 Lab File: BF079615.D
 Acq: 30 May 2015 21:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.8	34.2
229	19.5	15.9	23.9





#82

Chrysene

Concen: 3.58 ng

RT: 15.82 min Scan# 1280

Delta R.T. -0.06 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

Instrument :

BNA_F

ClientSampleId :

PENRD8.18(5)

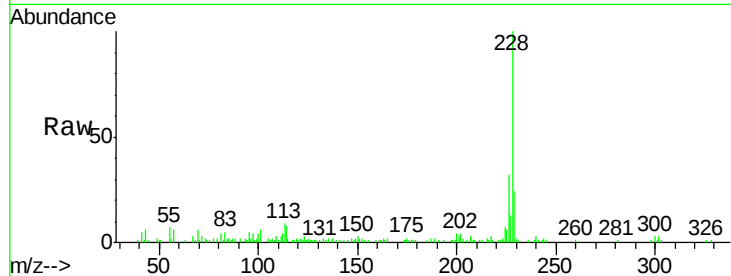
Tgt Ion:228 Resp: 51998

Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.4

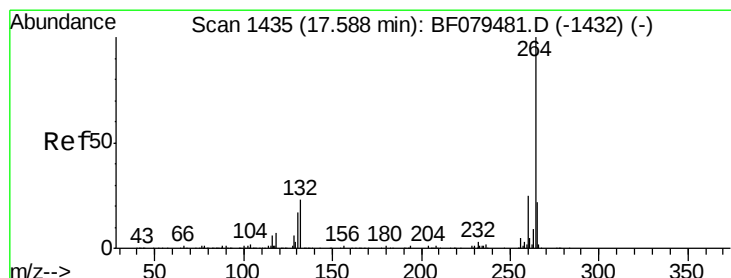
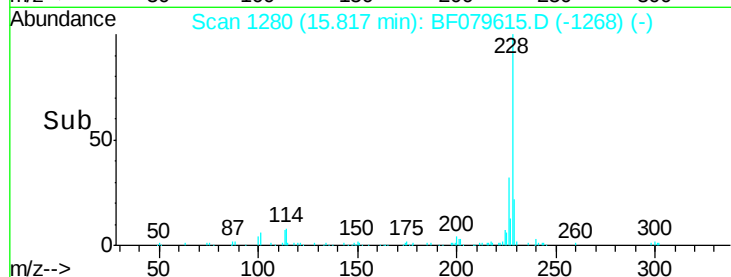
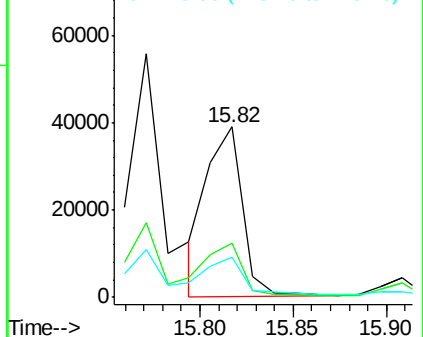
229 23.6 15.9 23.9



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.45 min Scan# 1423

Delta R.T. -0.22 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

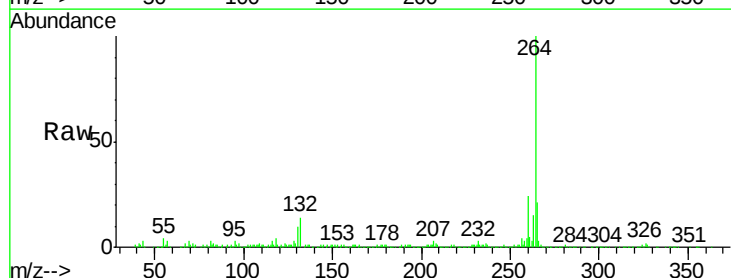
Tgt Ion:264 Resp: 250943

Ion Ratio Lower Upper

264 100

260 24.3 19.8 29.8

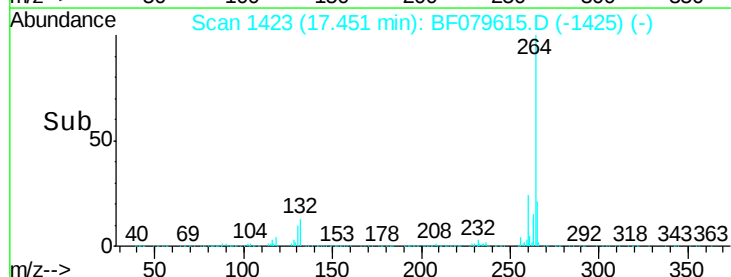
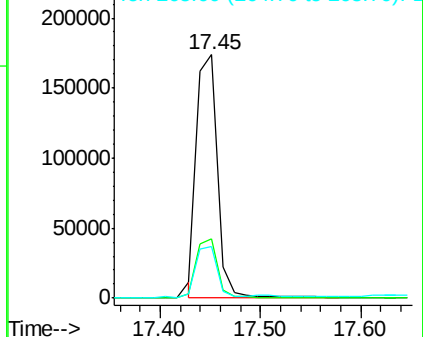
265 21.4 17.8 26.6

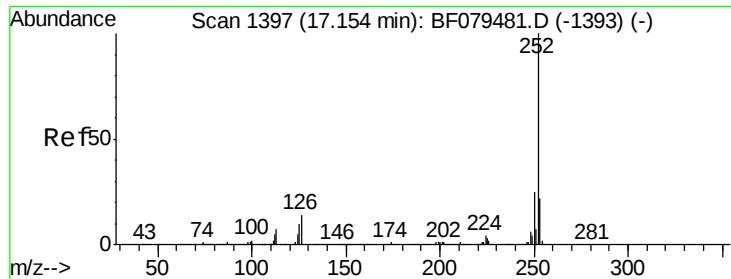


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

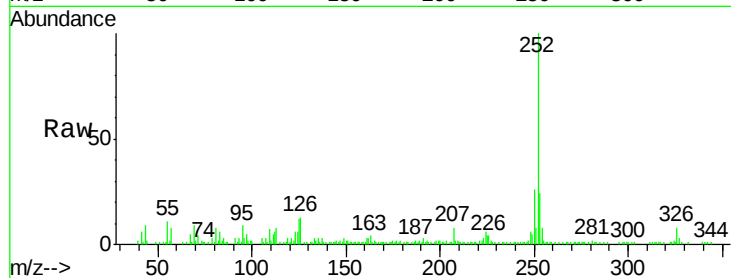




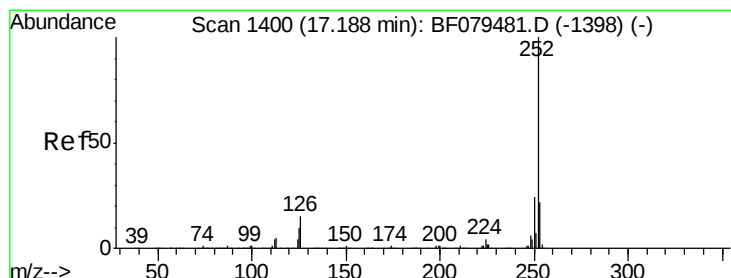
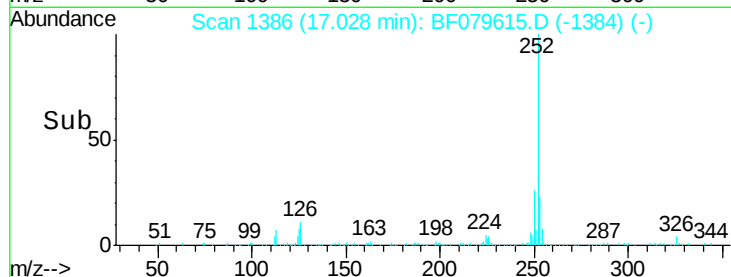
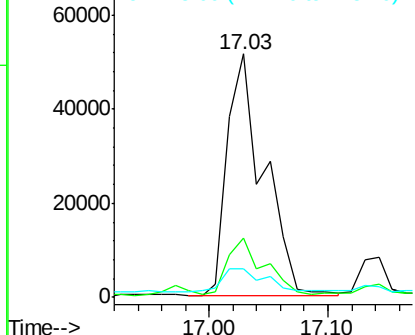
#87
Benzo(b)fluoranthene
Concen: 7.63 ng
RT: 17.03 min Scan# 1386
Delta R.T. -0.17 min
Lab File: BF079615.D
Acq: 30 May 2015 21:08

Instrument :
BNA_F
ClientSampleId :
PENRD8.18(5)

Tgt Ion:252 Resp: 109263
Ion Ratio Lower Upper
252 100
253 24.3 17.6 26.4
125 11.9 7.8 11.6#

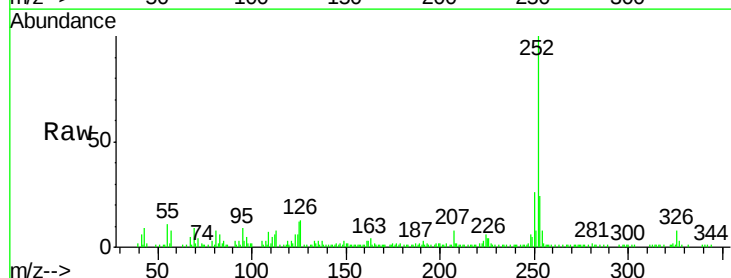


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

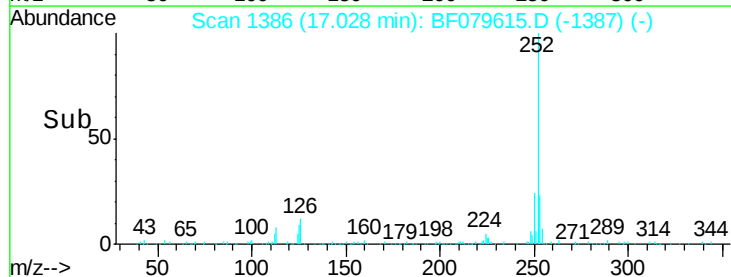
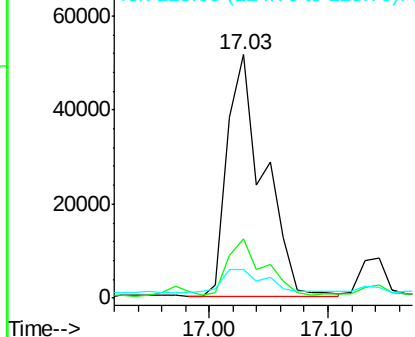


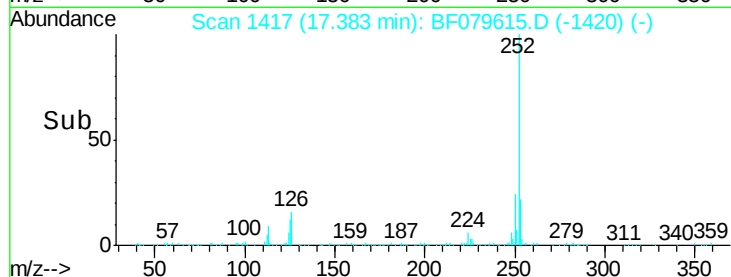
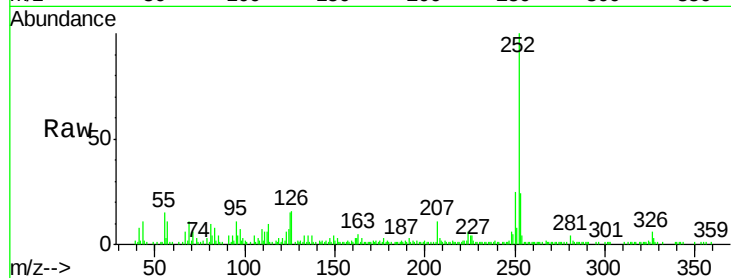
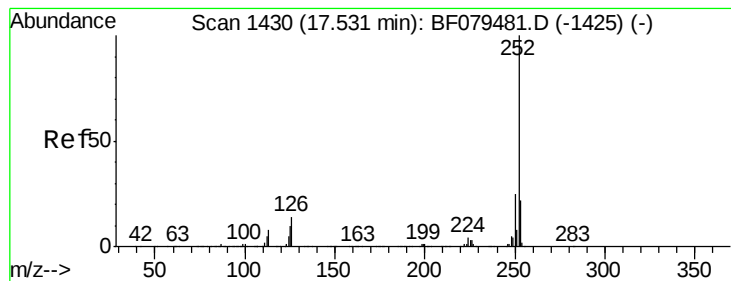
#88
Benzo(k)fluoranthene
Concen: 8.54 ng
RT: 17.03 min Scan# 1386
Delta R.T. -0.21 min
Lab File: BF079615.D
Acq: 30 May 2015 21:08

Tgt Ion:252 Resp: 109263
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 11.9 6.8 10.2#



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: 2.64 ng

RT: 17.38 min Scan# 1417

Delta R.T. -0.23 min

Lab File: BF079615.D

Acq: 30 May 2015 21:08

Instrument :

BNA_F

ClientSampleId :

PENRD8.18(5)

Tgt Ion:252 Resp: 55829

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 15.2 7.9 11.9#

