

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
 Data File : BF079692.D
 Acq On : 4 Jun 2015 7:22
 Operator : TP/IZ
 Sample : G2420-08
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.4(5)

Manual Integrations
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Quant Time: Jun 04 08:57:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 15:20:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	86986	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	337951	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	167655	20.00	ng	0.00
63) Phenanthrene-d10	12.11	188	316079	20.00	ng	-0.02
75) Chrysene-d12	15.14	240	340013	20.00	ng	-0.24
86) Perylene-d12	17.13	264	329392	20.00	ng	-0.35
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	584260	121.67	ng	0.00
7) Phenol-d6	7.11	99	741484	118.45	ng	0.00
23) Nitrobenzene-d5	8.08	82	393712	69.46	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	168247	121.59	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	938974	84.78	ng	0.00
78) Terphenyl-d14	13.83	244	1084205	80.65	ng	-0.12
Target Compounds						
49) Dimethylphthalate	10.27	163	86569	7.05	ng	97
70) Phenanthrene	12.14	178	158071	9.05	ng	97
71) Anthracene	12.18	178	75025	4.27	ng	99
77) Pyrene	13.68	202	235004m	12.00	ng	
80) Benzo(a)anthracene	15.12	228	115414	6.21	ng	97
82) Chrysene	15.18	228	108104	5.78	ng	98
85) Indeno(1,2,3-cd)pyrene	19.15	276	51223	2.80	ng	96
87) Benzo(b)fluoranthene	16.55	252	123434m	7.25	ng	
89) Benzo(a)pyrene	17.04	252	101451	6.10	ng	97
91) Benzo(g,h,i)perylene	19.77	276	52383	3.17	ng	98

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

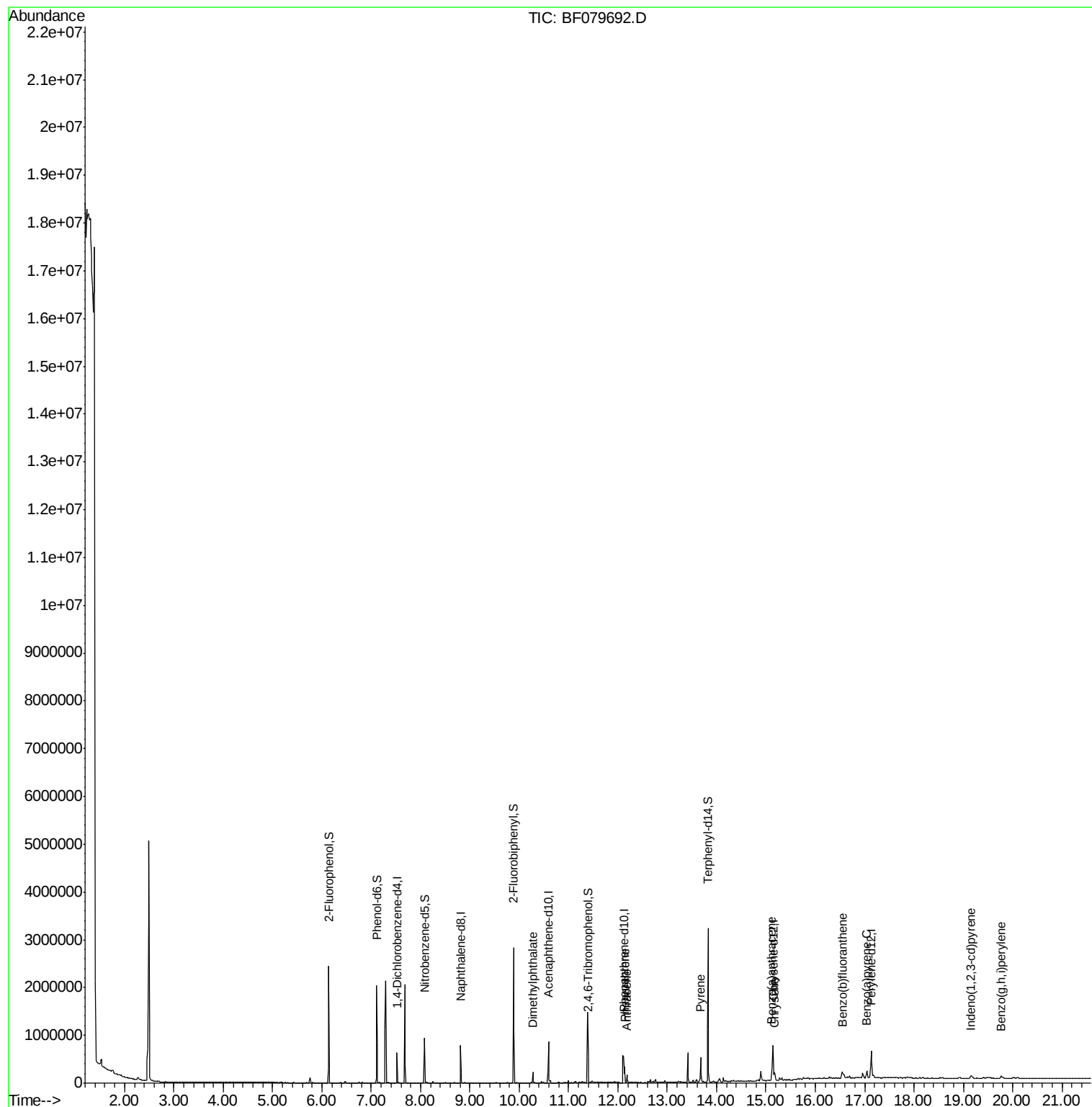
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079692.D
Acq On : 4 Jun 2015 7:22
Operator : TP/IZ
Sample : G2420-08
Misc :
ALS Vial : 38 Sample Multiplier: 1

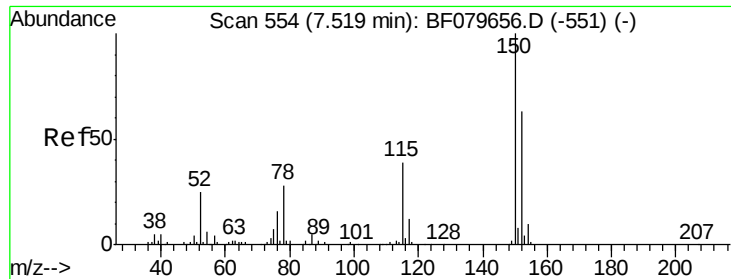
Instrument :
BNA_F
ClientSampleId :
PENRD8.4(5)

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Quant Time: Jun 04 08:57:33 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

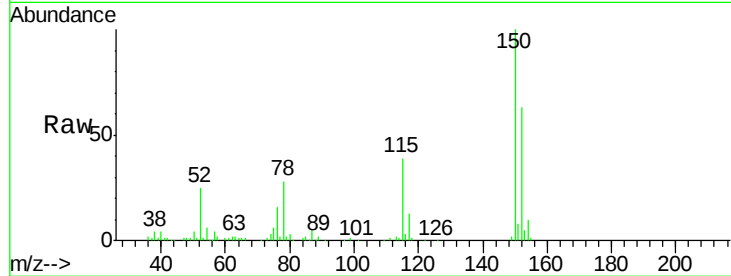
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Instrument :
BNA_F
ClientSampleId :
PENRD8.4(5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	126.7	190.1
115	61.5	49.2	73.8

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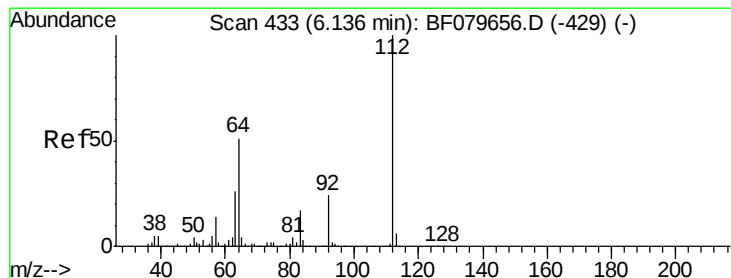
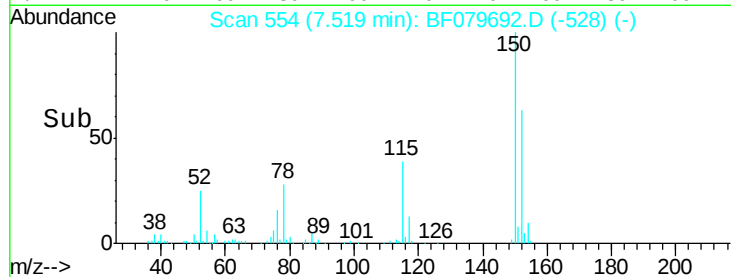
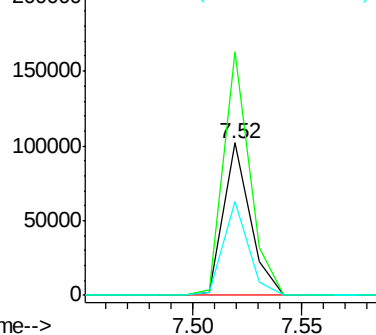


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

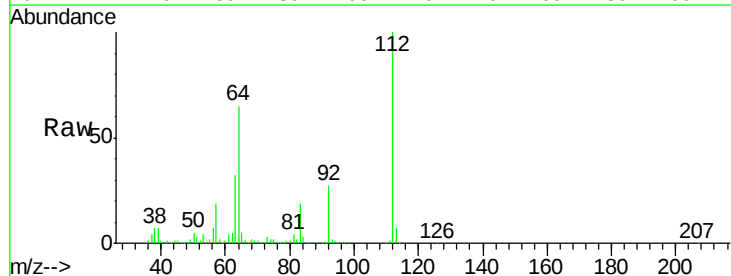
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 121.67 ng
RT: 6.14 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	41.1	61.7#
63	32.0	20.5	30.7#

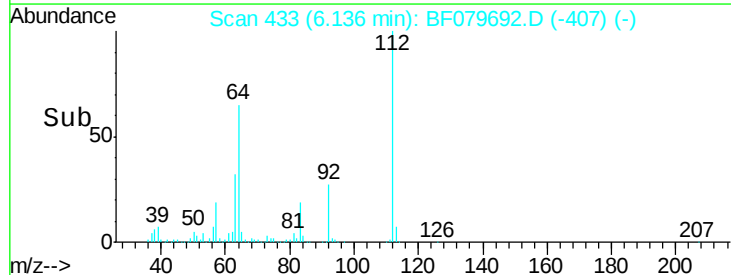
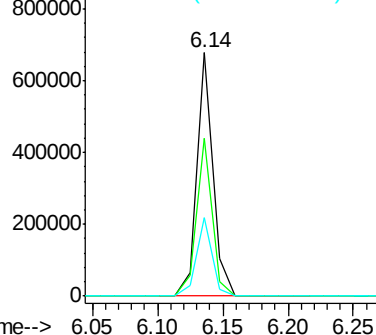


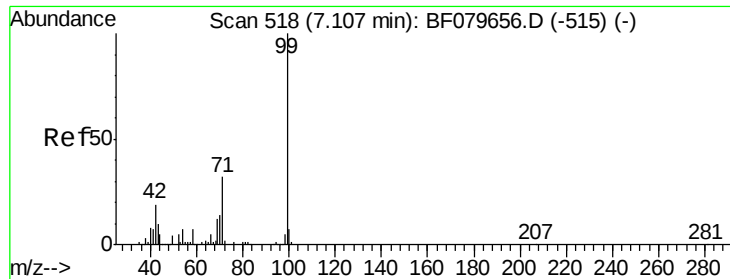
Abundance

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: 118.45 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Instrument :

BNA_F

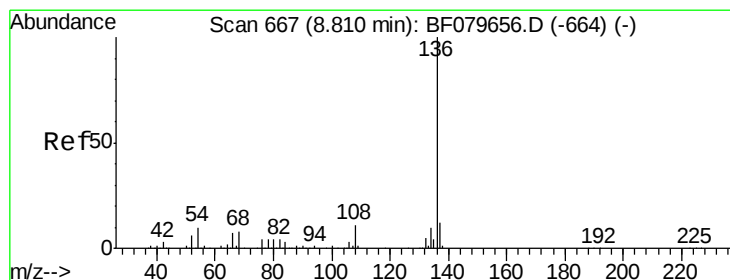
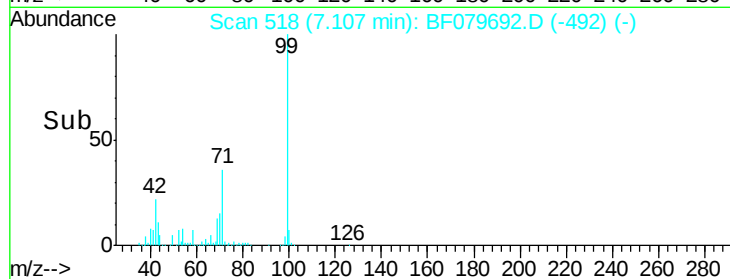
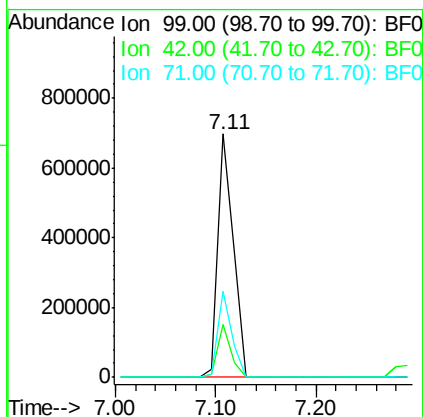
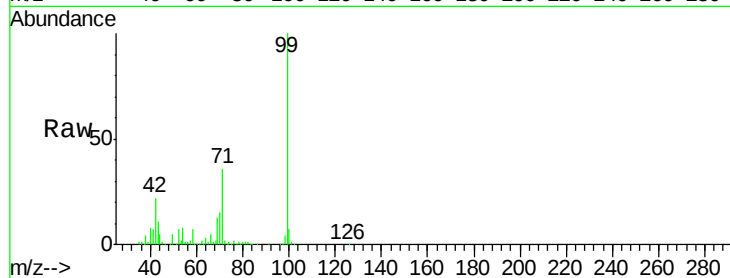
ClientSampleId :

PENRD8.4(5)

Tot Ion:	99	Resp:	741484
Ion Ratio	Lower	Upper	
99	100		
42	22.0	15.2	22.8
71	35.6	25.9	38.9

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#21

Naphthalene-d8

Concen: 20.00 ng

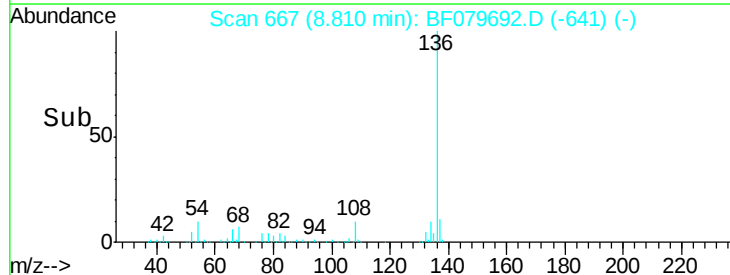
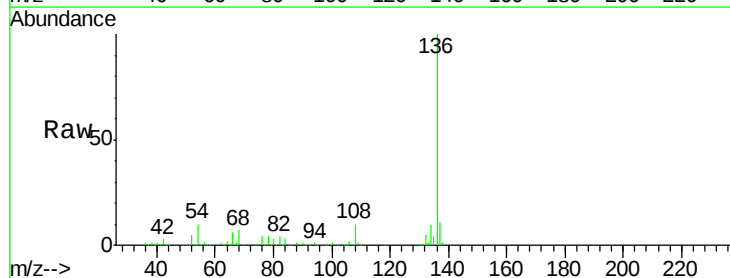
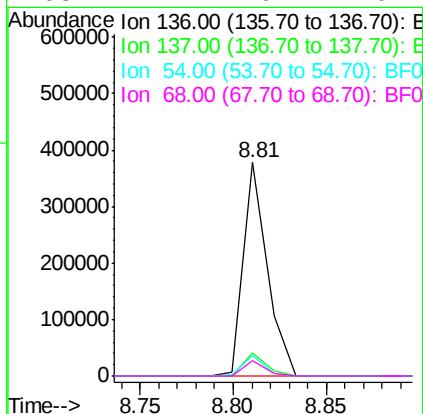
RT: 8.81 min Scan# 667

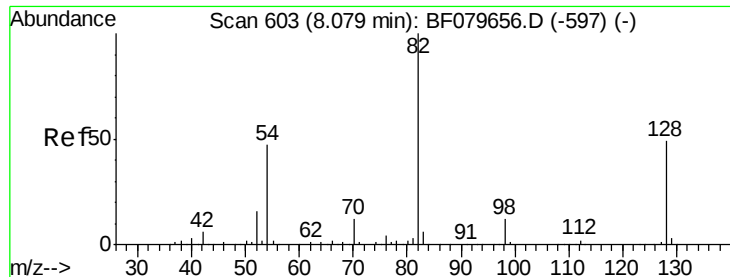
Delta R.T. 0.00 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Tgt Ion:	136	Resp:	337951
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.3	13.9
54	9.9	8.3	12.5
68	7.1	6.1	9.1





#23

Nitrobenzene-d5

Concen: 69.46 ng

RT: 8.08 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Instrument :

BNA_F

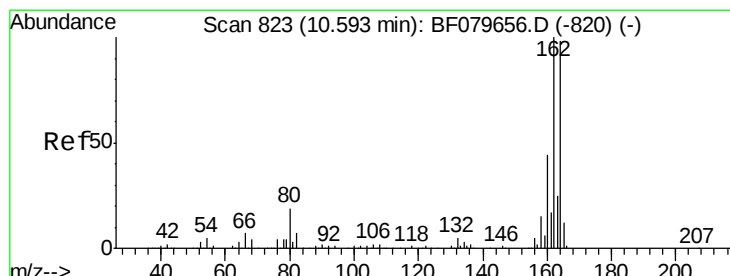
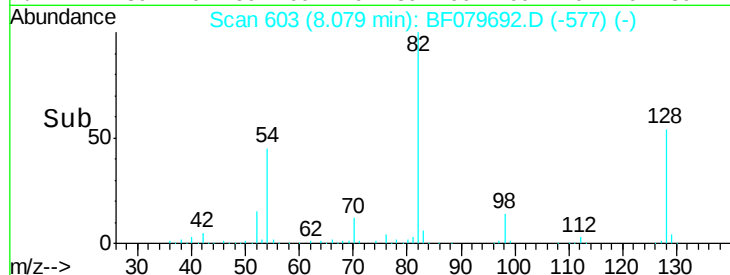
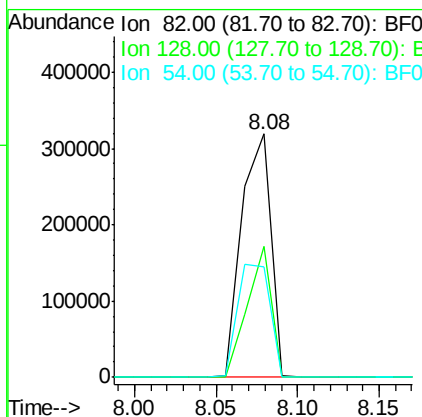
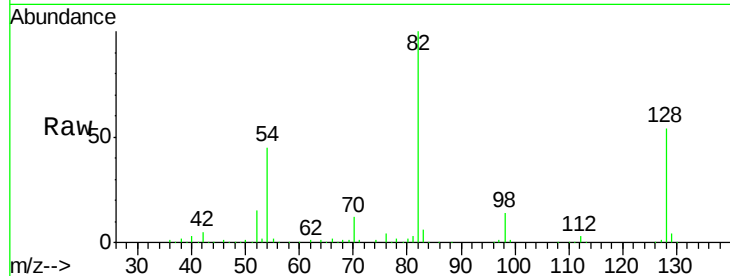
ClientSampleId :

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Tot Ion:	82	Resp:	393712
Ion Ratio	Lower	Upper	
82	100		
128	53.6	39.4	59.0
54	45.4	37.4	56.0

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#38

Acenaphthene-d10

Concen: 20.00 ng

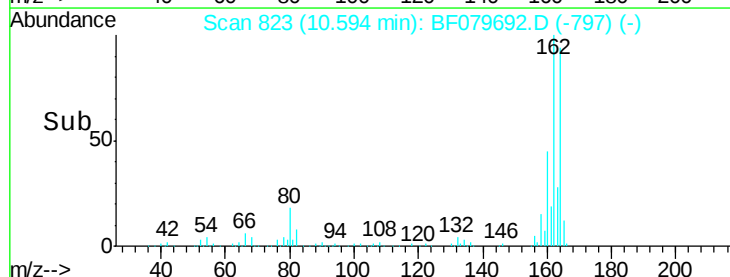
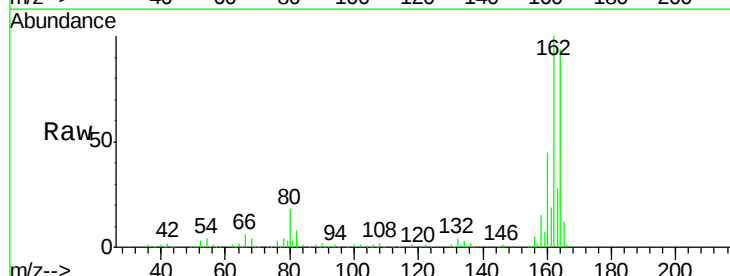
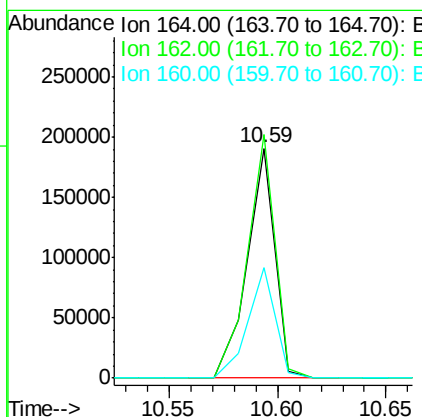
RT: 10.59 min Scan# 823

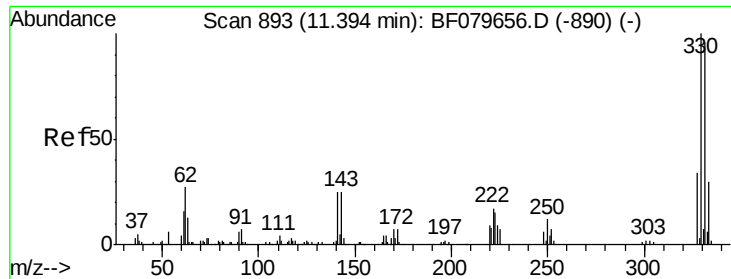
Delta R.T. 0.00 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Tgt Ion:	164	Resp:	167655
Ion Ratio	Lower	Upper	
164	100		
162	106.0	82.0	123.0
160	48.0	35.9	53.9





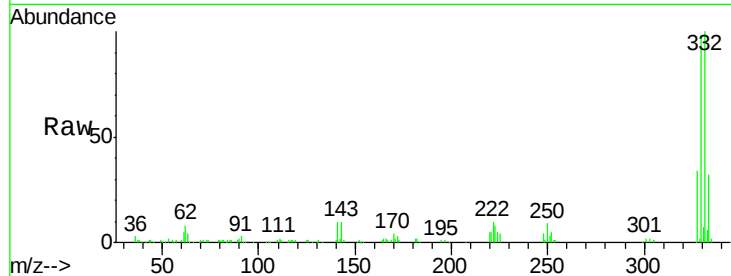
#41
 2,4,6-Tribromophenol
 Concen: 121.59 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF079692.D
 Acq: 4 Jun 2015 7:22

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.4(5)

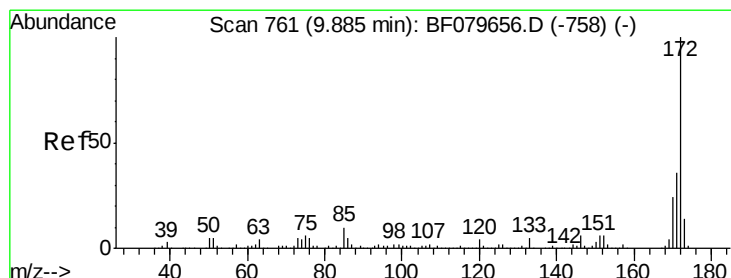
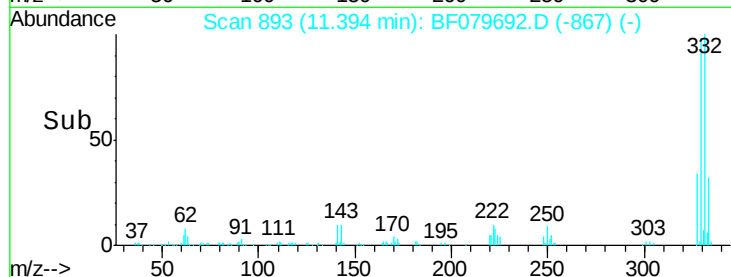
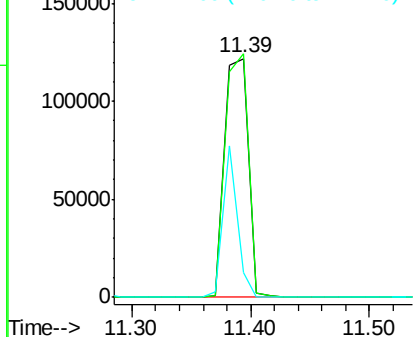
Tot Ion	Ratio	Resp	Lower	Upper
330	100	168247		
332	99.6	77.3	115.9	
141	37.9	27.4	41.2	

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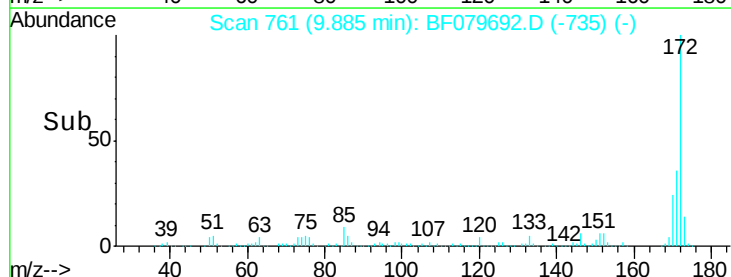
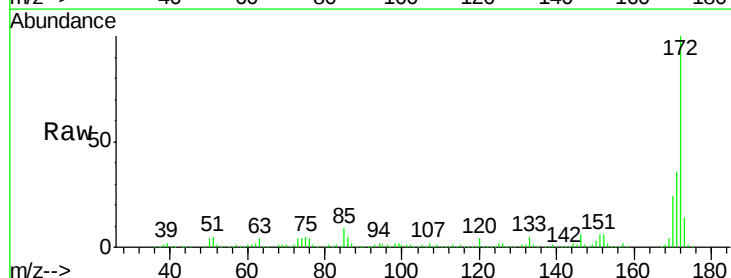
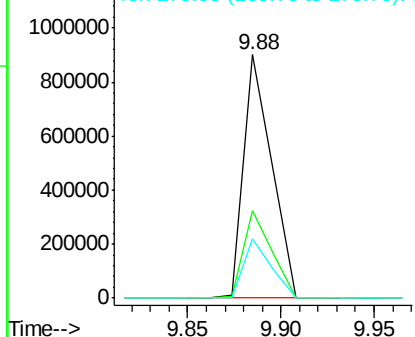
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

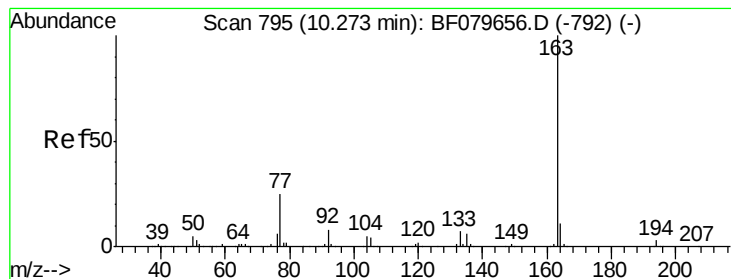


#44
 2-Fluorobiphenyl
 Concen: 84.78 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF079692.D
 Acq: 4 Jun 2015 7:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	938974		
171	35.9	28.8	43.2	
170	24.4	19.2	28.8	

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: 7.05 ng

RT: 10.27 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Instrument :

BNA_F

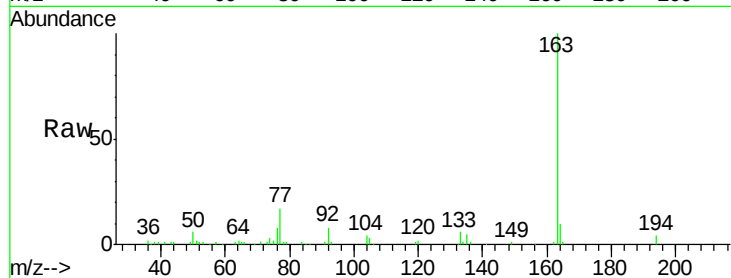
ClientSampled :

PENRD8.4(5)

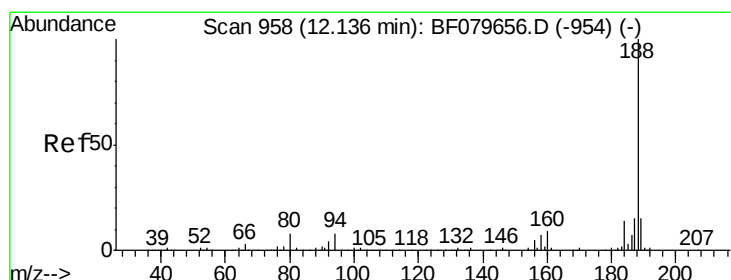
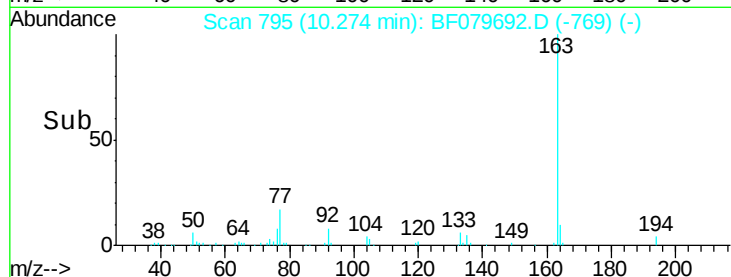
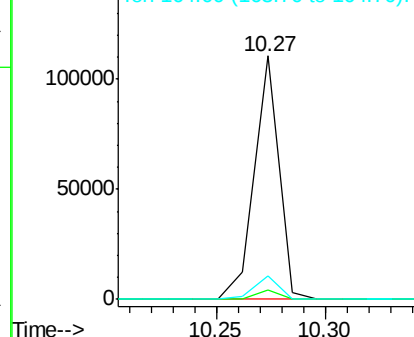
Tot Ion:	163	Resp:	86569
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.6	3.8
164	9.5	8.6	12.8

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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

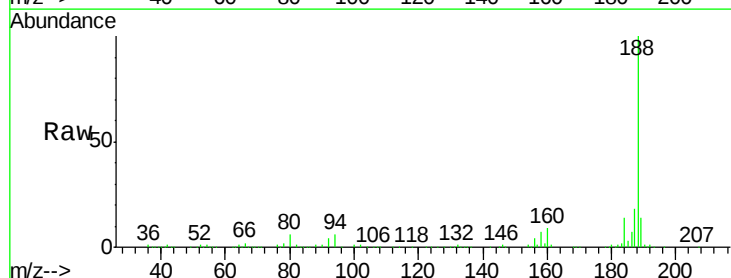
RT: 12.11 min Scan# 956

Delta R.T. -0.02 min

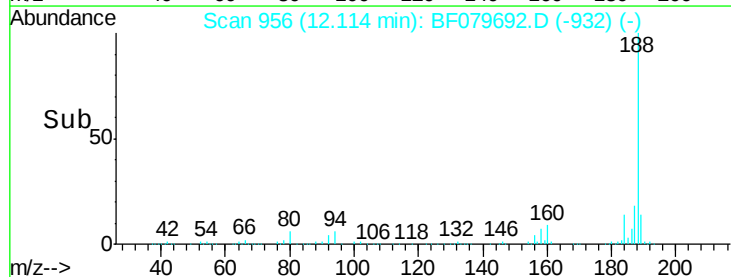
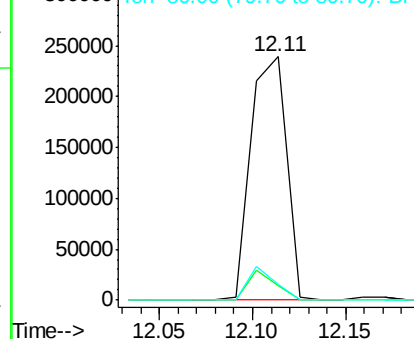
Lab File: BF079692.D

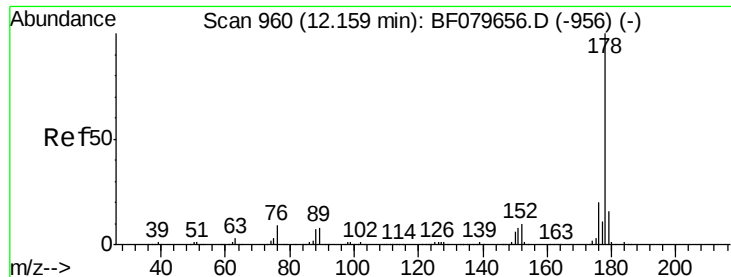
Acq: 4 Jun 2015 7:22

Tgt Ion:	188	Resp:	316079
Ion Ratio	Lower	Upper	
188	100		
94	6.1	6.1	9.1#
80	6.3	6.2	9.2



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





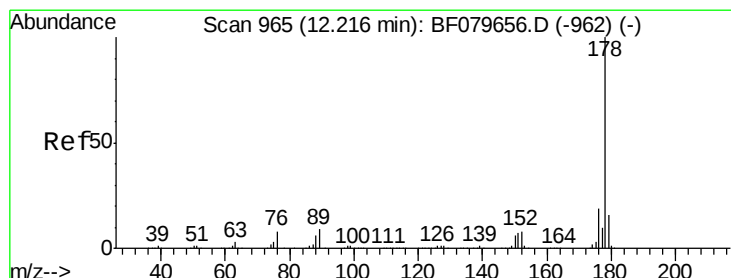
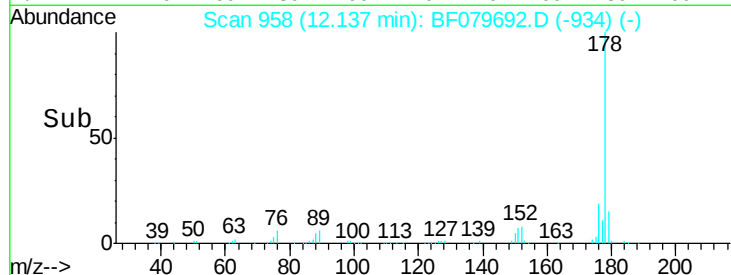
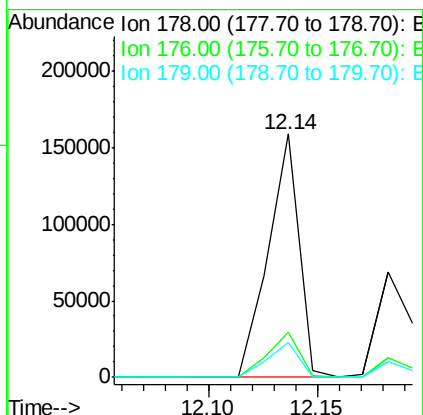
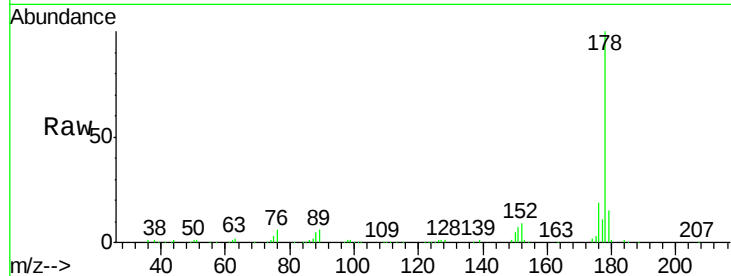
#70
Phenanthrene
Concen: 9.05 ng
RT: 12.14 min Scan# 958
Delta R.T. -0.02 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Instrument :
BNA_F
ClientSampleId :
PENRD8.4(5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	14.6	12.7	19.1

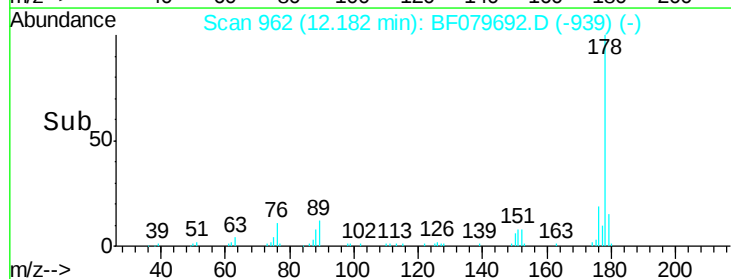
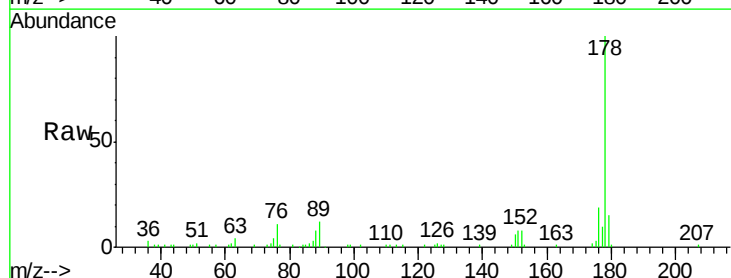
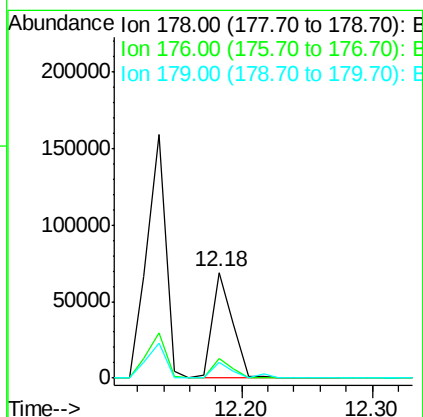
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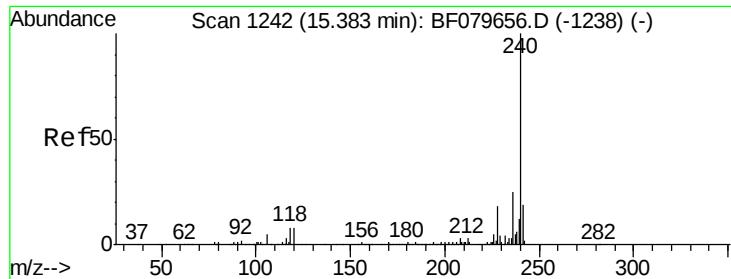
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#71
Anthracene
Concen: 4.27 ng
RT: 12.18 min Scan# 962
Delta R.T. -0.03 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.5	12.6	19.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.14 min Scan# 1221

Delta R.T. -0.24 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Instrument :

BNA_F

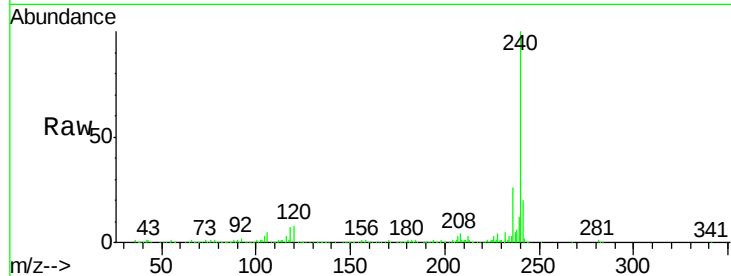
ClientSampleId :

PENRD8.4(5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.4	9.6
236	26.3	20.2	30.4

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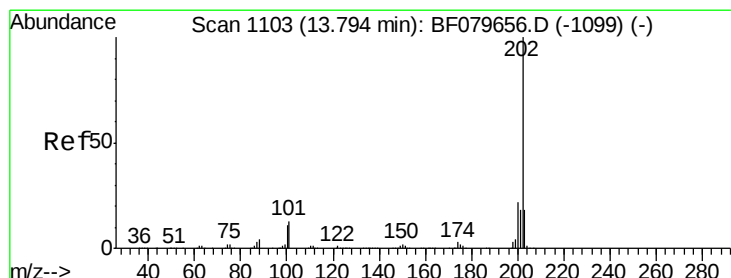
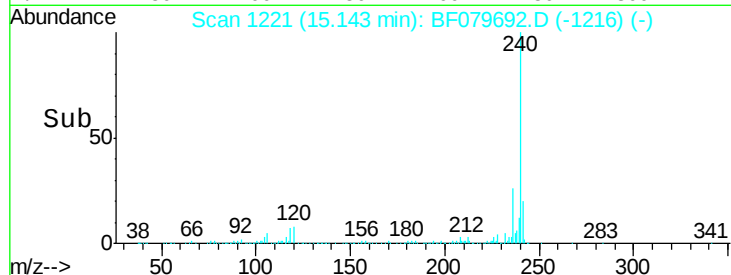
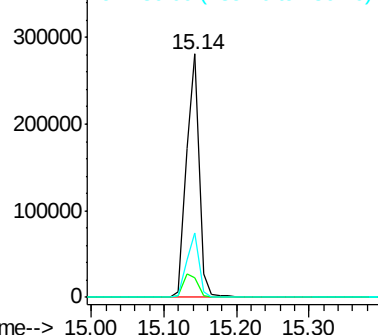
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.00 ng m

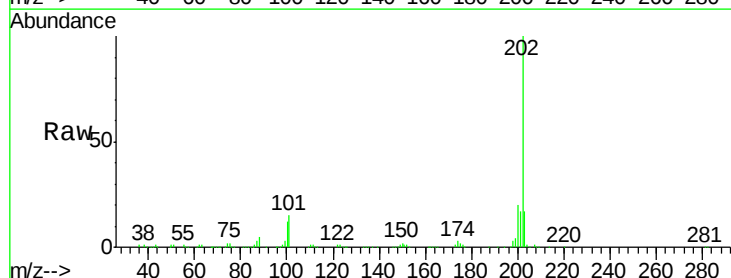
RT: 13.68 min Scan# 1093

Delta R.T. -0.11 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

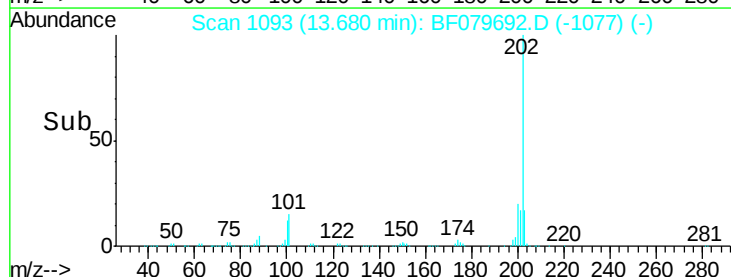
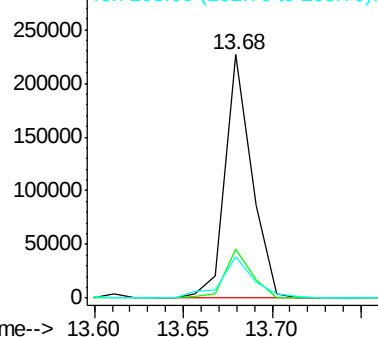
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.0
203	17.2	14.5	21.7

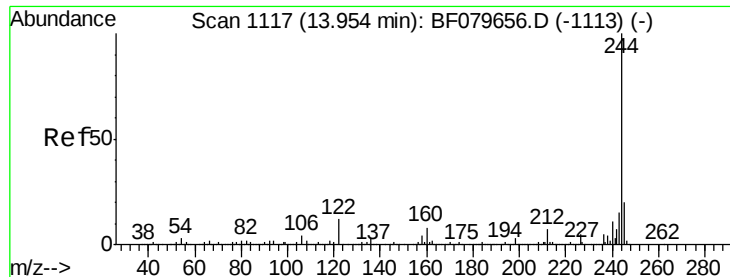


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 80.65 ng

RT: 13.83 min Scan# 1106

Delta R.T. -0.12 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Instrument :

BNA_F

ClientSampleId :

PENRD8.4(5)

Tot Ion:244 Resp: 1084205

Ion Ratio Lower Upper

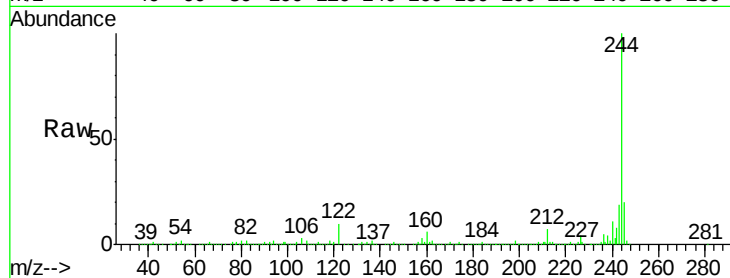
244 100

212 7.2 5.9 8.9

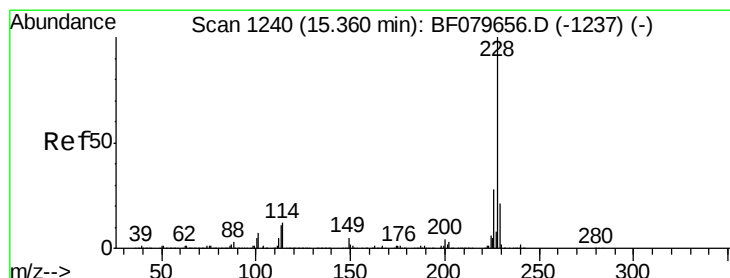
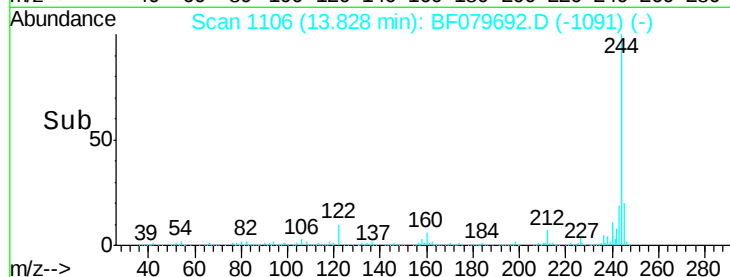
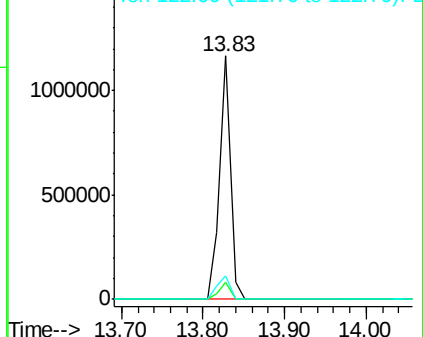
122 9.5 9.8 14.6#

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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: 6.21 ng

RT: 15.12 min Scan# 1219

Delta R.T. -0.24 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

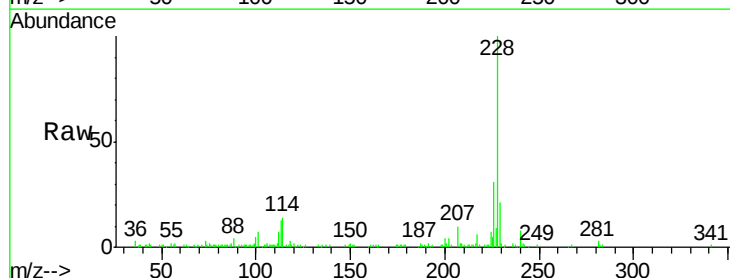
Tgt Ion:228 Resp: 115414

Ion Ratio Lower Upper

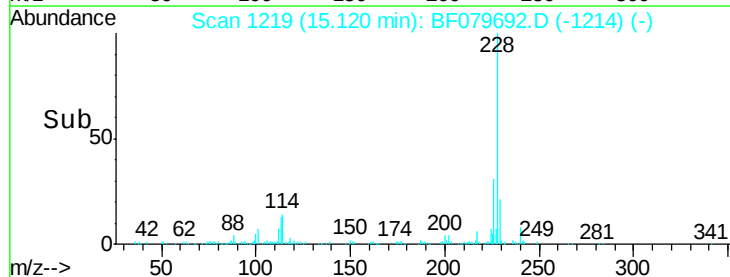
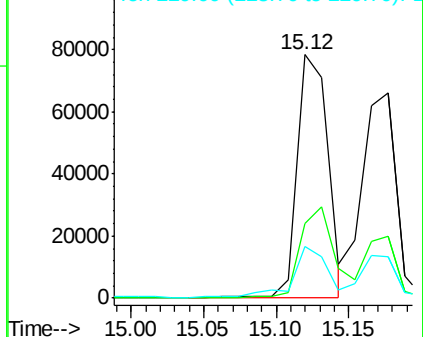
228 100

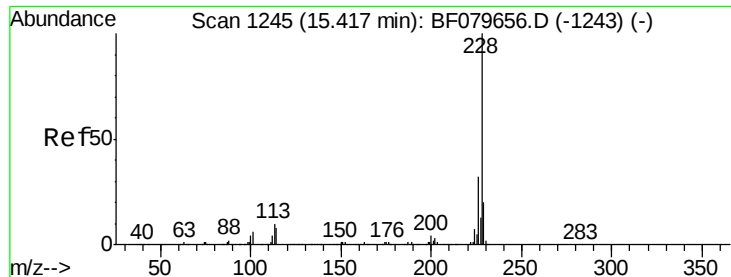
226 30.8 22.5 33.7

229 21.1 16.6 24.8



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: 5.78 ng

RT: 15.18 min Scan# 1224

Delta R.T. -0.24 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Instrument :

BNA_F

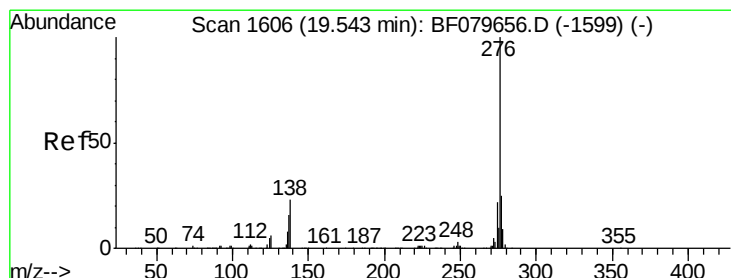
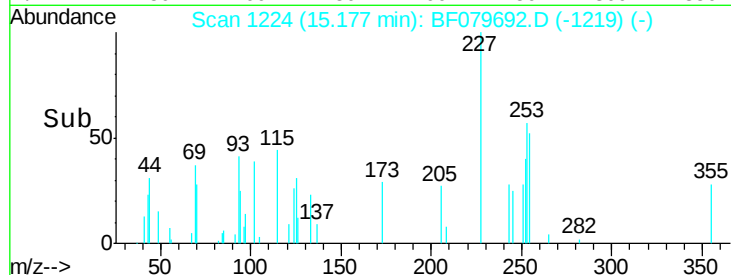
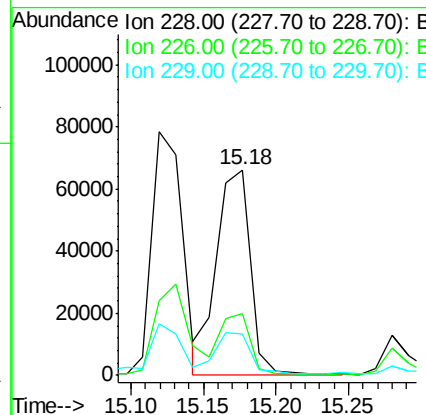
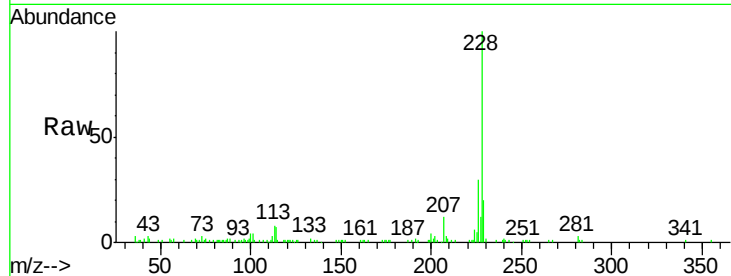
ClientSampleId :

PENRD8.4(5)

Tot Ion:	228	Resp:	108104
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.2	37.8
229	20.4	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.80 ng

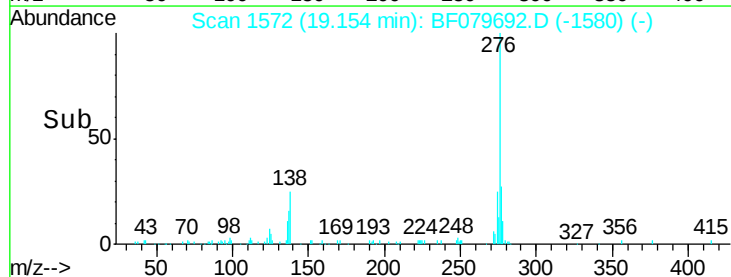
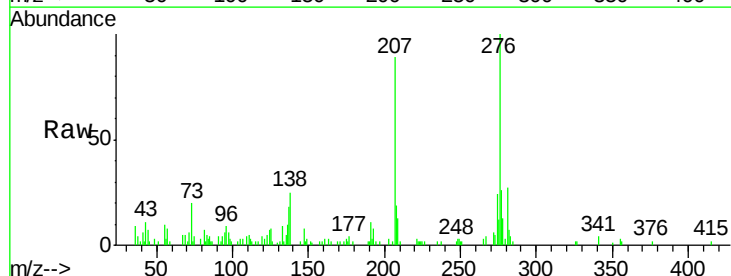
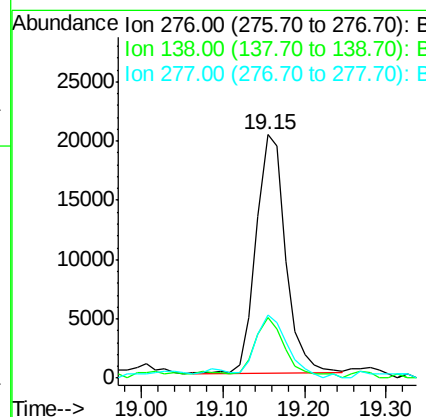
RT: 19.15 min Scan# 1572

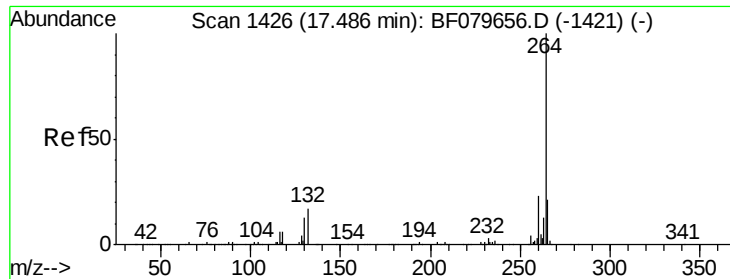
Delta R.T. -0.39 min

Lab File: BF079692.D

Acq: 4 Jun 2015 7:22

Tgt Ion:	276	Resp:	51223
Ion Ratio	Lower	Upper	
276	100		
138	26.8	21.9	32.9
277	28.5	20.2	30.4





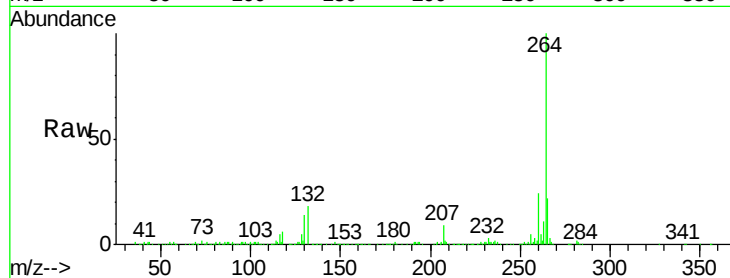
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.13 min Scan# 1395
Delta R.T. -0.35 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Instrument :
BNA_F
ClientSampleId :
PENRD8.4(5)

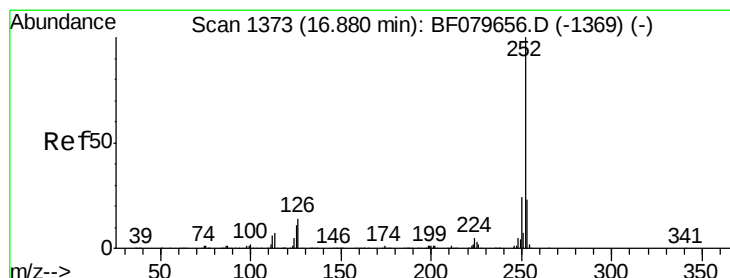
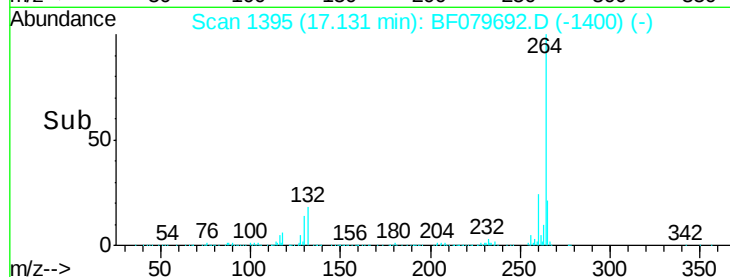
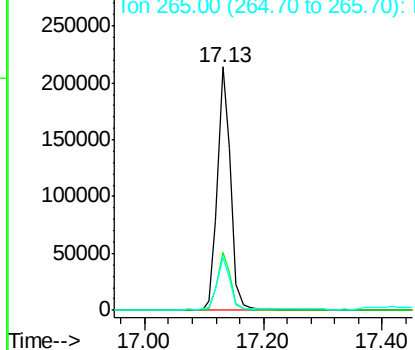
Tot Ion	Ratio	Resp	Lower	Upper
264	100	329392		
260	24.0		18.8	28.2
265	21.7		17.4	26.0

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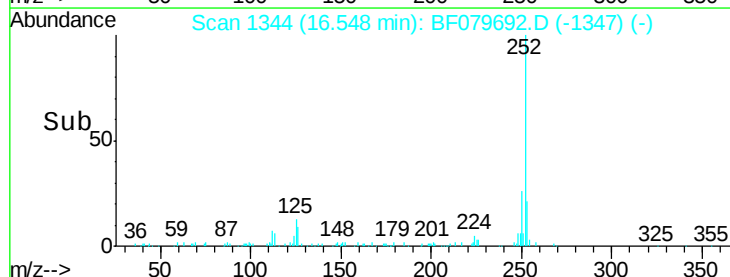
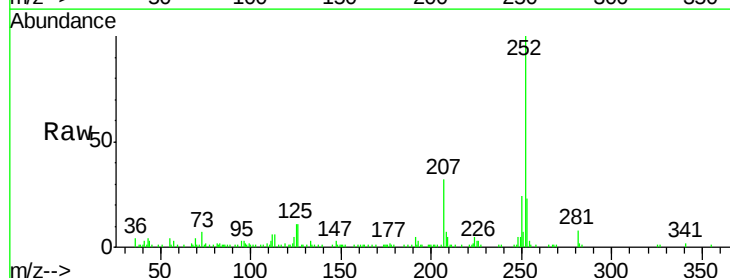
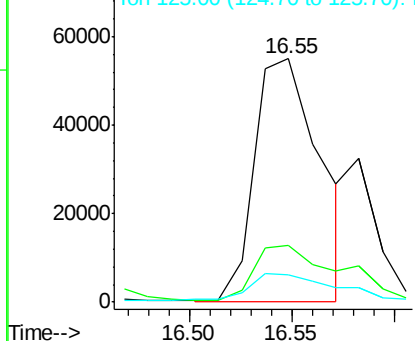
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

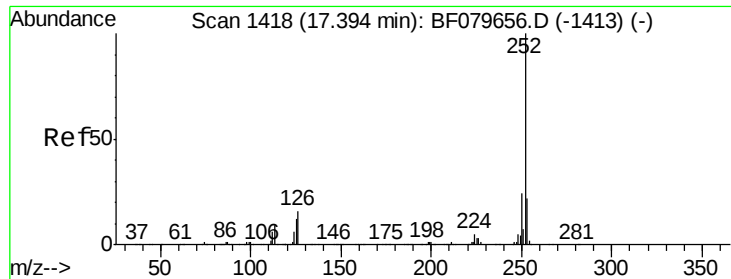


#87
Benzo(b)fluoranthene
Concen: 7.25 ng m
RT: 16.55 min Scan# 1344
Delta R.T. -0.33 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	123434		
253	23.4		18.0	27.0
125	11.4		8.7	13.1

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





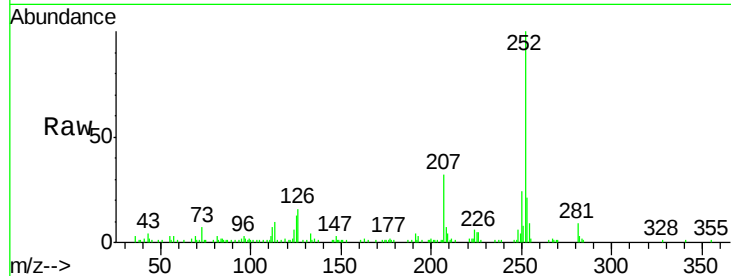
#89
Benzo(a)pyrene
Concen: 6.10 ng
RT: 17.04 min Scan# 1387
Delta R.T. -0.35 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Instrument :
BNA_F
ClientSampleId :
PENRD8.4(5)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.1	17.9	26.9
125	13.0	9.4	14.0

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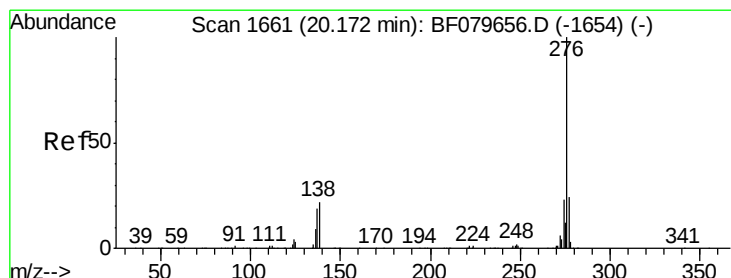
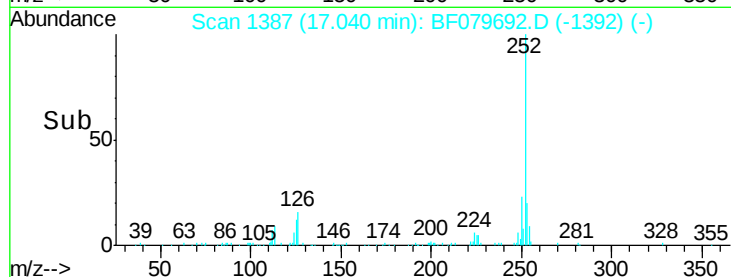
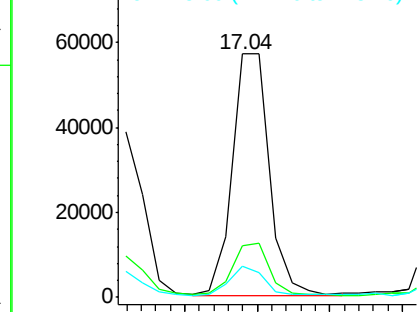


Abundance

Ion 252.00 (251.70 to 252.70): E

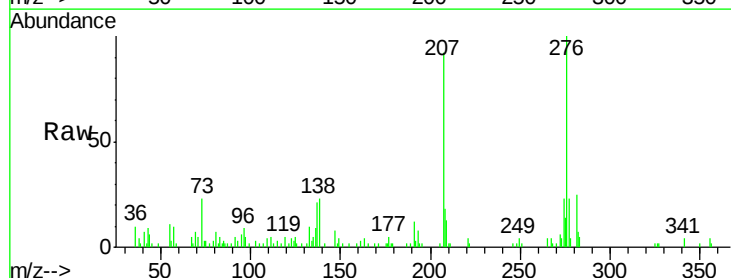
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.17 ng
RT: 19.77 min Scan# 1626
Delta R.T. -0.40 min
Lab File: BF079692.D
Acq: 4 Jun 2015 7:22

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	23.5	19.1	28.7
138	22.9	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

