

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
 Data File : BF079688.D
 Acq On : 4 Jun 2015 5:26
 Operator : TP/IZ
 Sample : G2420-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.3(4)

Manual Integrations
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 6/5/2015 8:10:42 AM

Quant Time: Jun 04 07:19:12 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 06:38:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	82399	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	320031	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	170393	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	320277	20.00	ng	0.00
75) Chrysene-d12	15.01	240	330720	20.00	ng	-0.03
86) Perylene-d12	16.94	264	324602	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	482159	106.07	ng	0.01
7) Phenol-d6	7.11	99	607916	102.25	ng	0.00
23) Nitrobenzene-d5	8.08	82	314572	59.37	ng	0.01
41) 2,4,6-Tribromophenol	11.38	330	129926	92.39	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	709571	61.21	ng	0.00
78) Terphenyl-d14	13.76	244	811858	60.93	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.83	128	129640	7.75	ng	98
37) 2-Methylnaphthalene	9.53	142	40161	3.60	ng	96
49) Dimethylphthalate	10.27	163	76302	6.11	ng	100
51) Acenaphthene	10.63	154	32737	3.17	ng	99
54) Dibenzofuran	10.80	168	48948	3.26	ng	96
57) Fluorene	11.14	166	57348	4.68	ng	99
70) Phenanthrene	12.12	178	688268	38.87	ng	100
71) Anthracene	12.18	178	130728	7.34	ng	97
72) Carbazole	12.32	167	44556	2.72	ng	99
74) Fluoranthene	13.37	202	549942	28.80	ng	97
77) Pyrene	13.62	202	488538	25.66	ng	99
80) Benzo(a)anthracene	14.99	228	218959	12.11	ng	98
82) Chrysene	15.04	228	225694	12.40	ng	98
83) Bis(2-ethylhexyl)phthalate	14.94	149	10050	4.08	ng	94
85) Indeno(1,2,3-cd)pyrene	18.95	276	69442	3.90	ng	94
87) Benzo(b)fluoranthene	16.35	252	193069m	11.51	ng	
88) Benzo(k)fluoranthene	16.39	252	71338m	3.63	ng	
89) Benzo(a)pyrene	16.85	252	145790	8.89	ng	97
91) Benzo(a,h,i)perylene	19.55	276	62296	3.82	ng	97

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

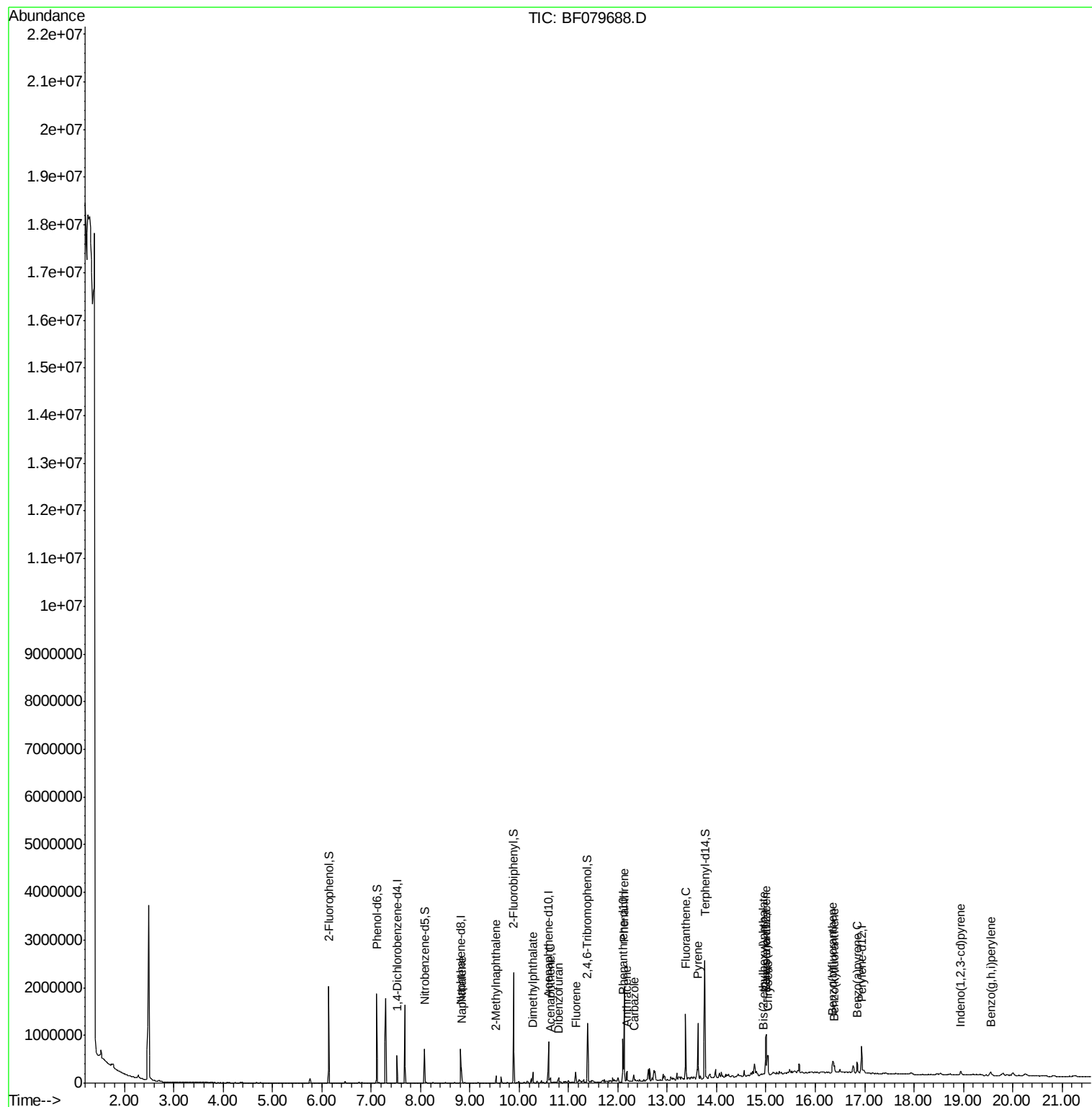
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079688.D
Acq On : 4 Jun 2015 5:26
Operator : TP/IZ
Sample : G2420-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

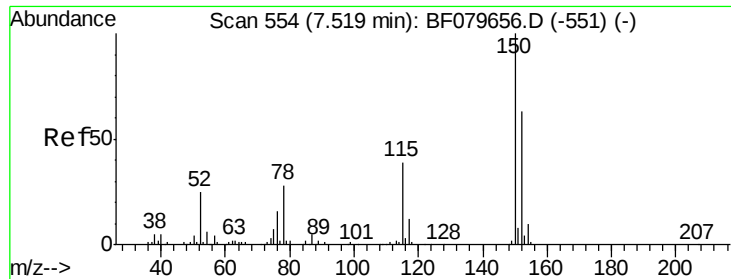
Instrument :
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PENRD8.3(4)

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Quant Time: Jun 04 07:19:12 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
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#1

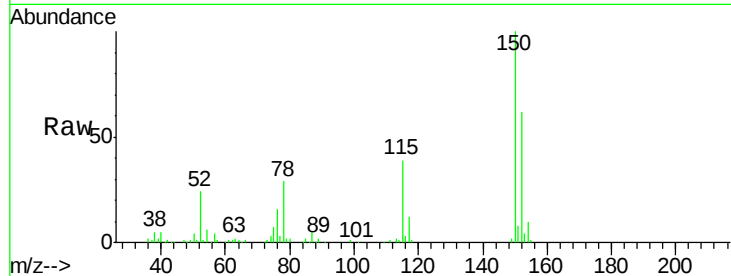
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Instrument :
BNA_F
ClientSampleId :
PENRD8.3(4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	126.7	190.1
115	63.7	49.2	73.8

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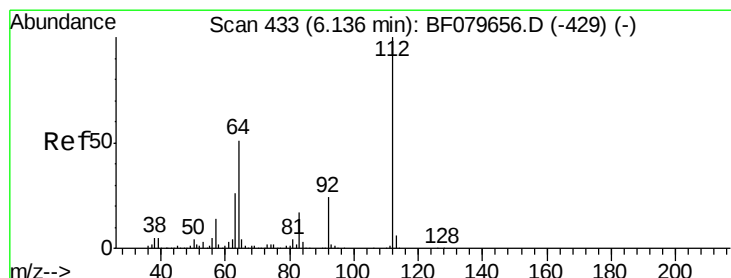
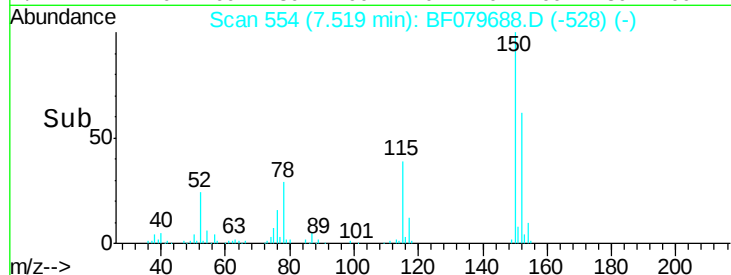
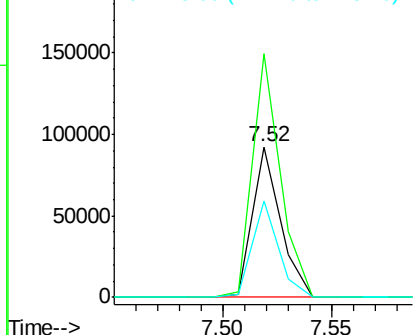


Abundance

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: 106.07 ng
RT: 6.14 min Scan# 433
Delta R.T. 0.01 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

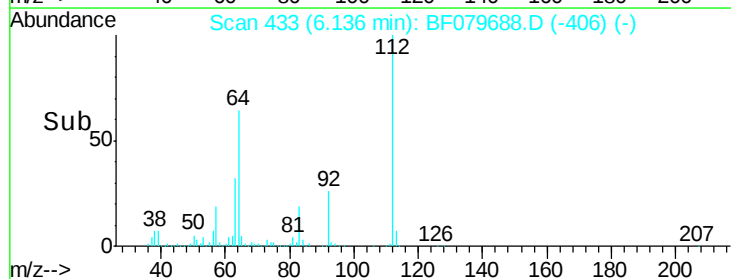
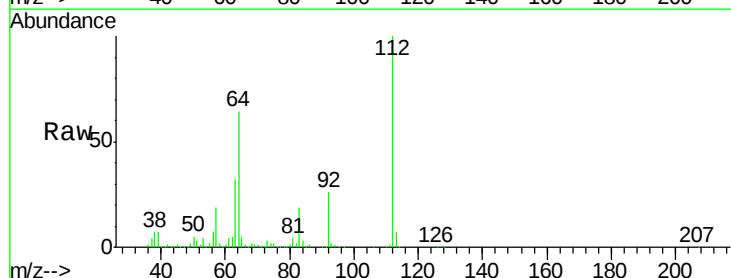
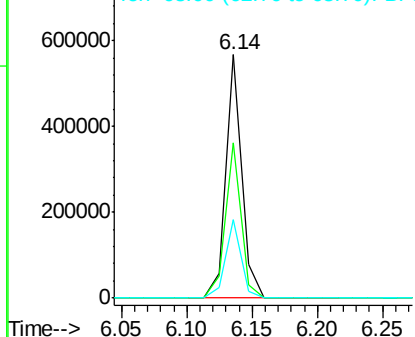
Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	41.1	61.7#
63	32.2	20.5	30.7#

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: 102.25 ng

RT: 7.11 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

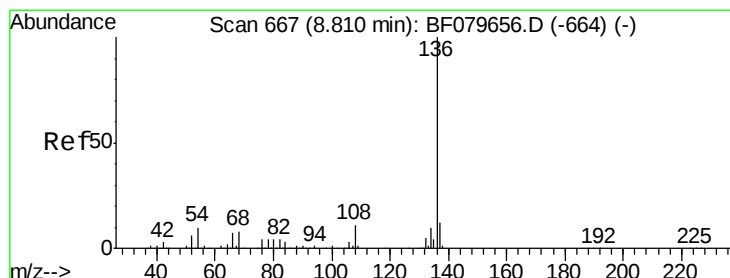
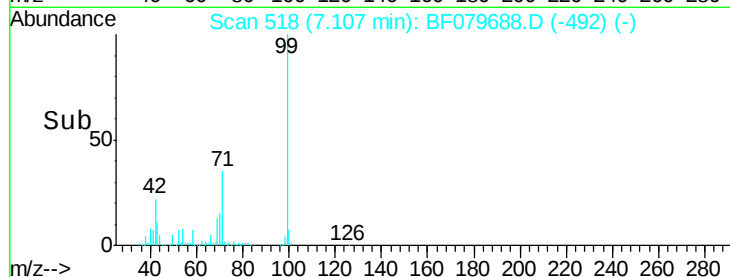
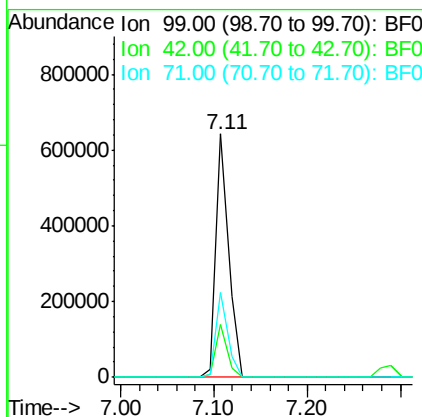
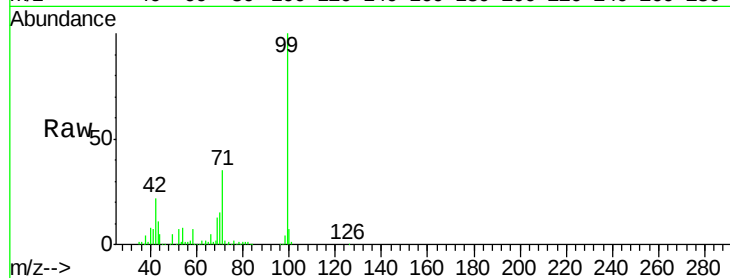
ClientSampleId :

PENRD8.3(4)

Tot Ion:	99	Resp:	607916
Ion Ratio	Lower	Upper	
99	100		
42	21.6	15.2	22.8
71	34.9	25.9	38.9

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#21

Naphthalene-d8

Concen: 20.00 ng

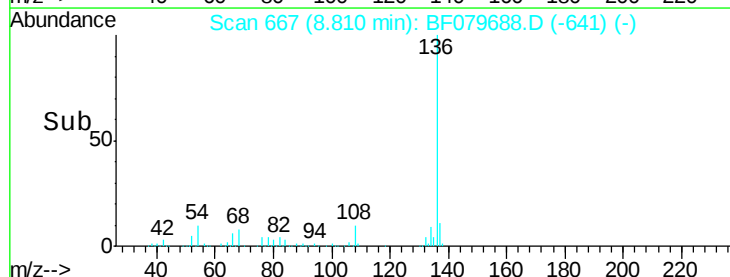
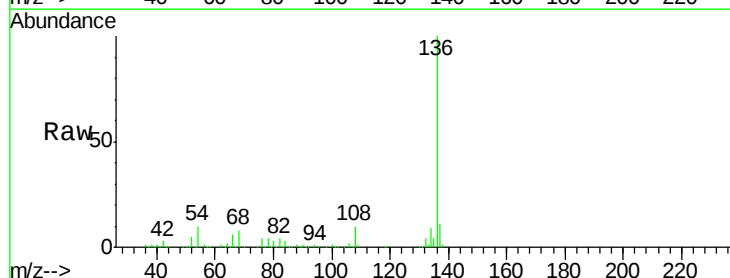
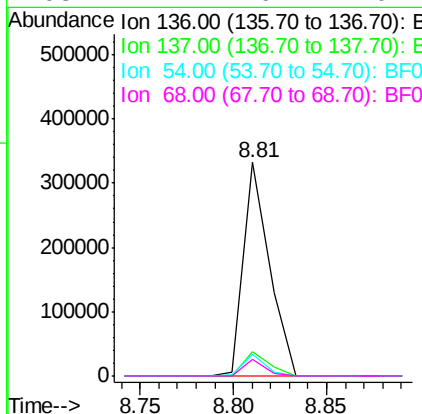
RT: 8.81 min Scan# 667

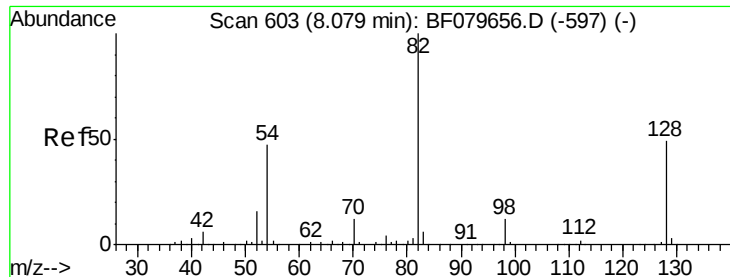
Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Tgt Ion:	136	Resp:	320031
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.3	13.9
54	10.4	8.3	12.5
68	7.7	6.1	9.1





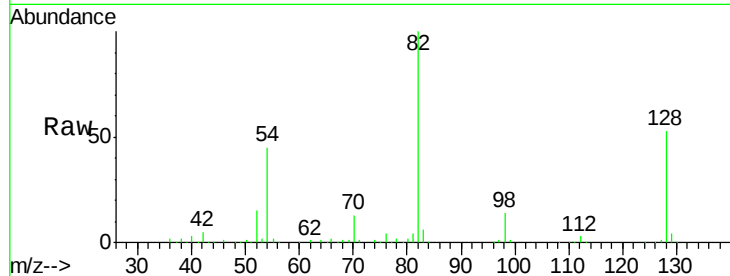
#23
 Nitrobenzene-d5
 Concen: 59.37 ng
 RT: 8.08 min Scan# 603
 Delta R.T. 0.01 min
 Lab File: BF079688.D
 Acq: 4 Jun 2015 5:26

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.3(4)

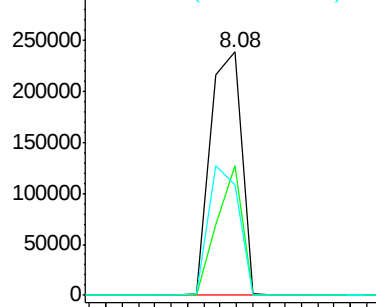
Tot Ion	Ratio	Lower	Upper
82	100		
128	53.2	39.4	59.0
54	45.2	37.4	56.0

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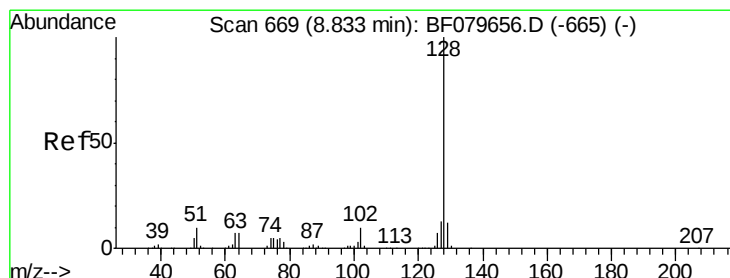
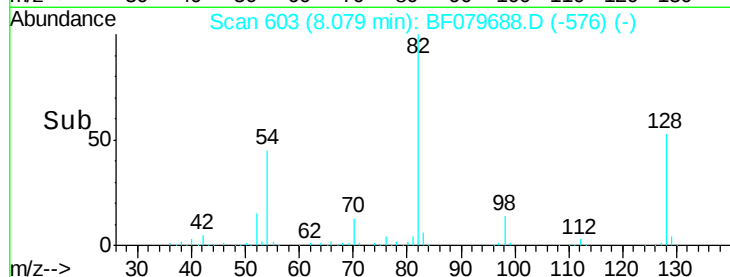
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Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



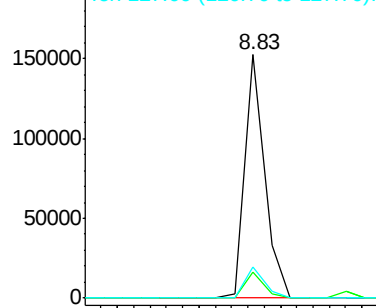
Time-->



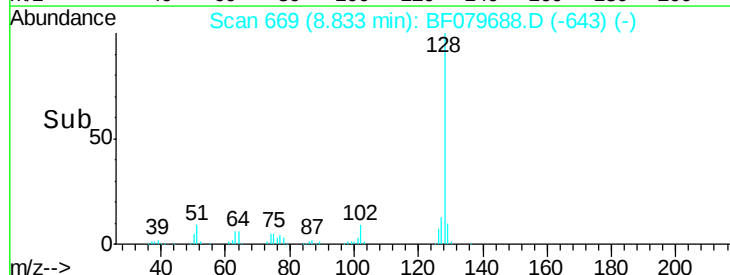
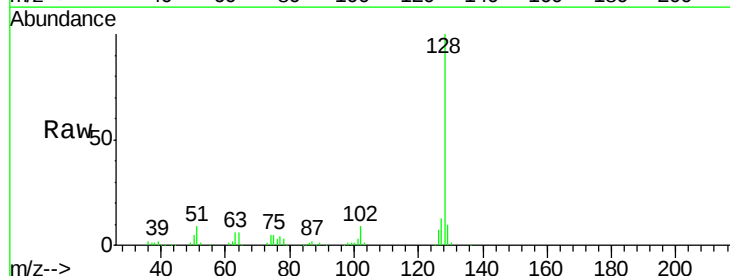
#31
 Naphthalene
 Concen: 7.75 ng
 RT: 8.83 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: BF079688.D
 Acq: 4 Jun 2015 5:26

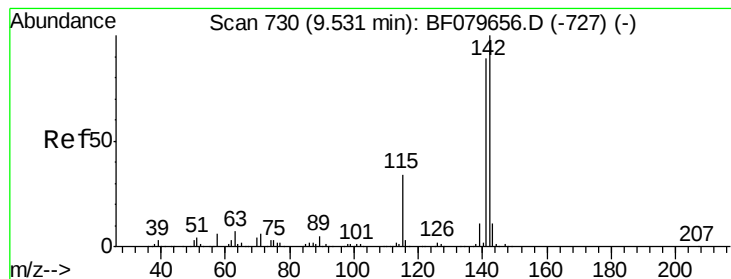
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.3	13.9
127	12.7	10.4	15.6

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



Time-->





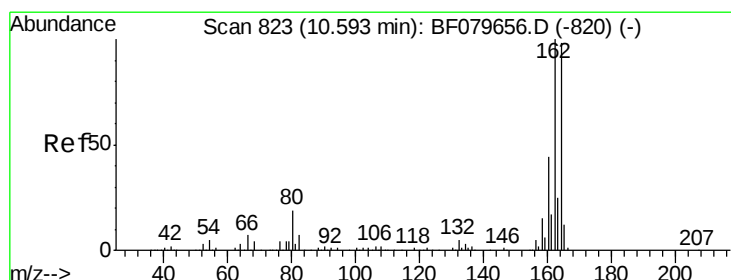
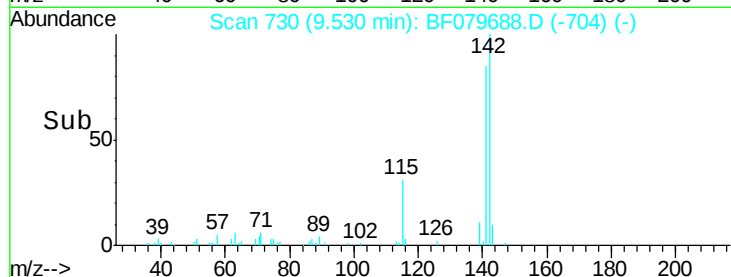
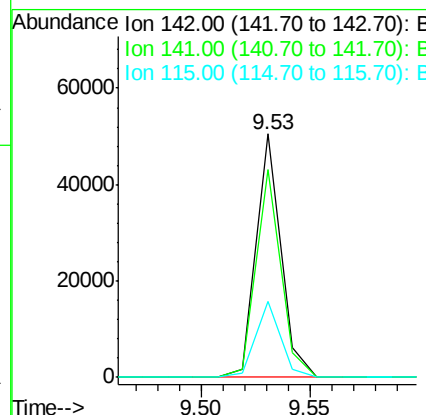
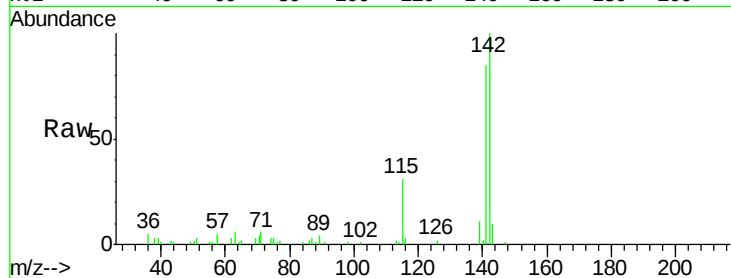
#37
2-Methylnaphthalene
Concen: 3.60 ng
RT: 9.53 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Instrument :
BNA_F
ClientSampleId :
PENRD8.3(4)

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.2	71.4	107.0
115	31.4	27.3	40.9

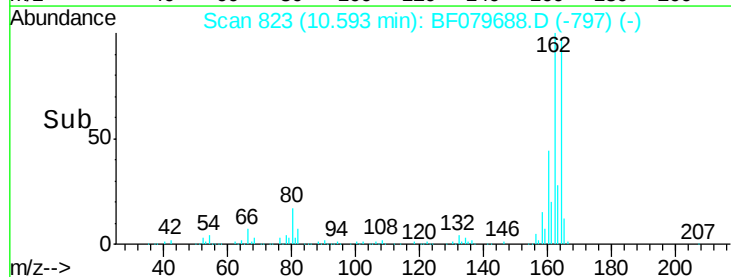
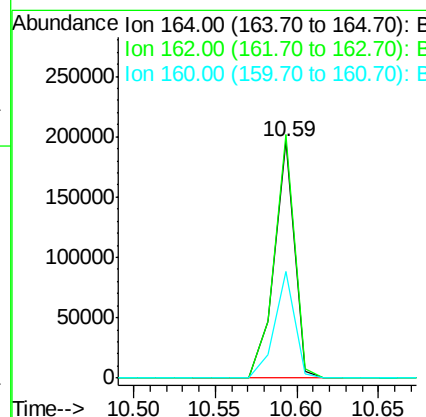
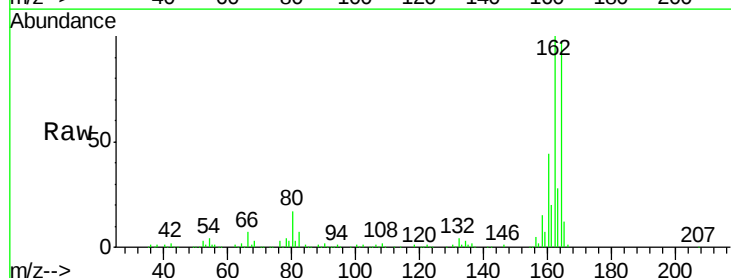
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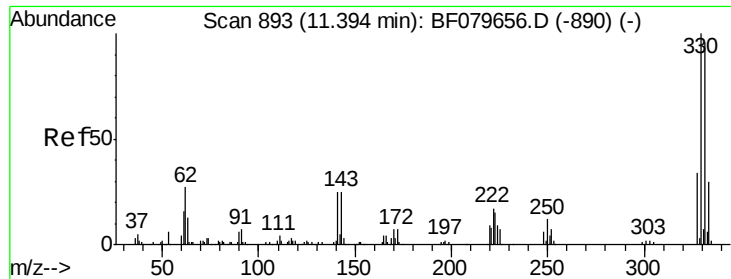
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.0	123.0
160	45.1	35.9	53.9





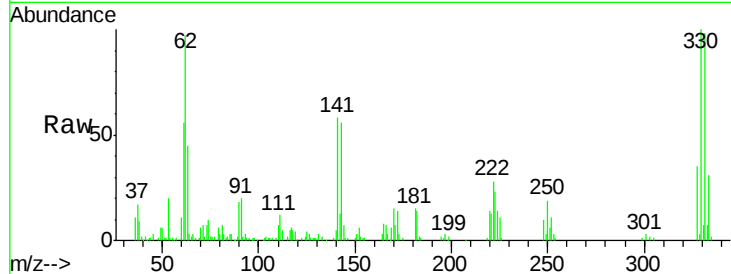
#41
 2,4,6-Tribromophenol
 Concen: 92.39 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BF079688.D
 Acq: 4 Jun 2015 5:26

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.3(4)

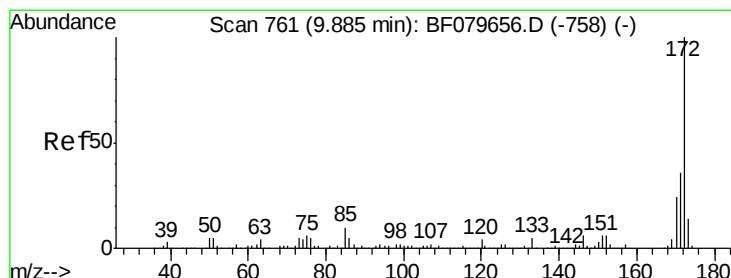
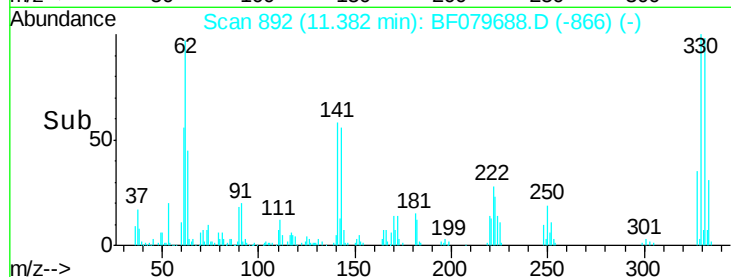
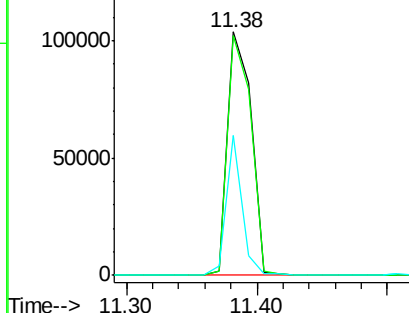
Tot Ion	Ratio	Resp	Lower	Upper
330	100	129926		
332	97.5		77.3	115.9
141	38.9		27.4	41.2

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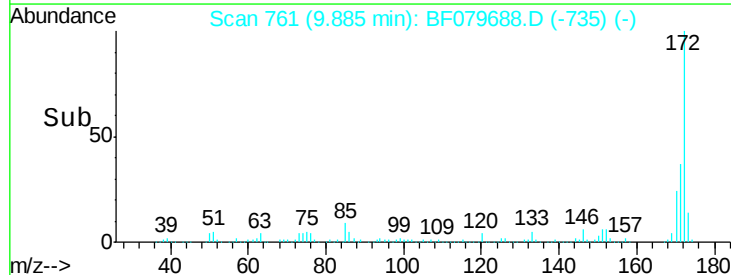
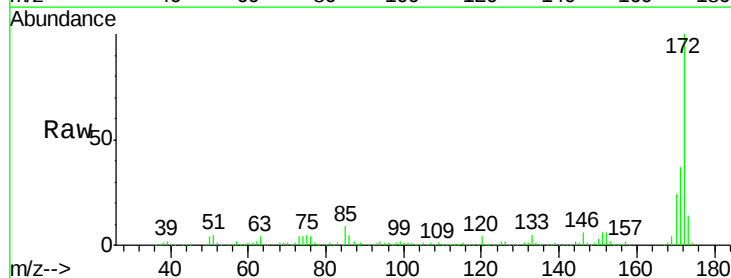
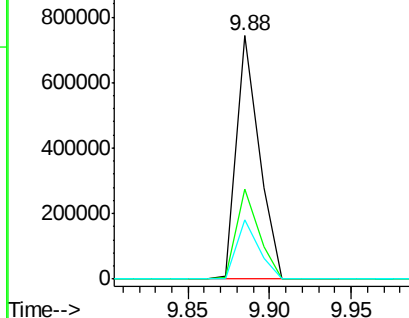
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

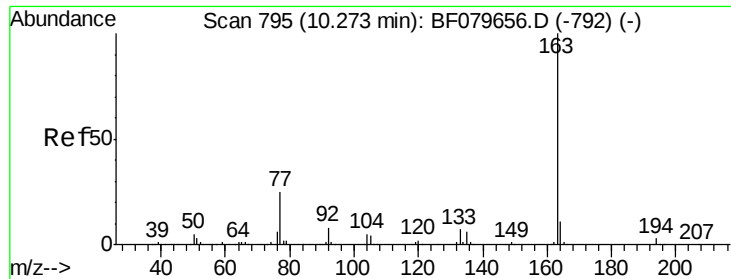


#44
 2-Fluorobiphenyl
 Concen: 61.21 ng
 RT: 9.88 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF079688.D
 Acq: 4 Jun 2015 5:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	709571		
171	36.8		28.8	43.2
170	24.2		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





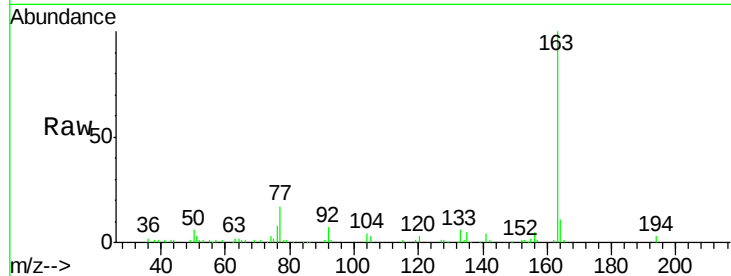
#49
Dimethylphthalate
Concen: 6.11 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Instrument :
BNA_F
ClientSampleId :
PENRD8.3(4)

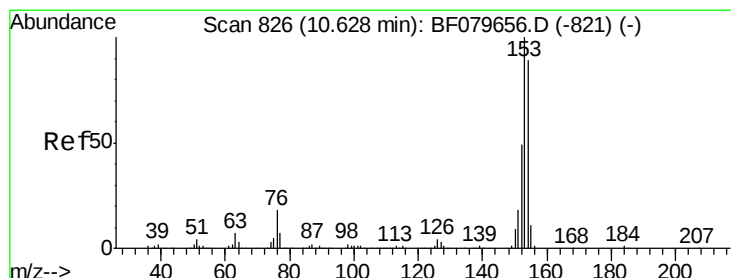
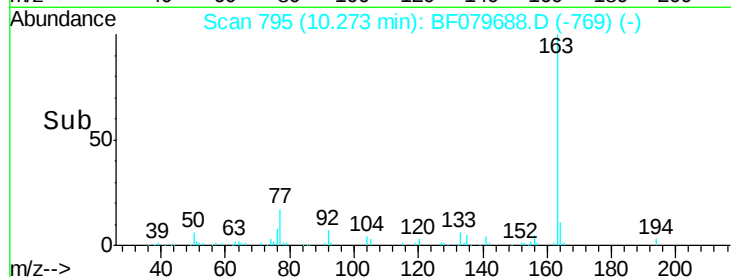
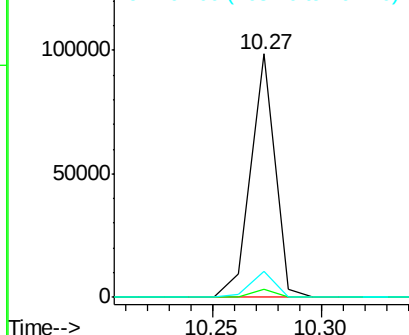
Tot Ion	Ratio	Resp	Lower	Upper
163	100	76302		
194	3.2		2.6	3.8
164	10.7		8.6	12.8

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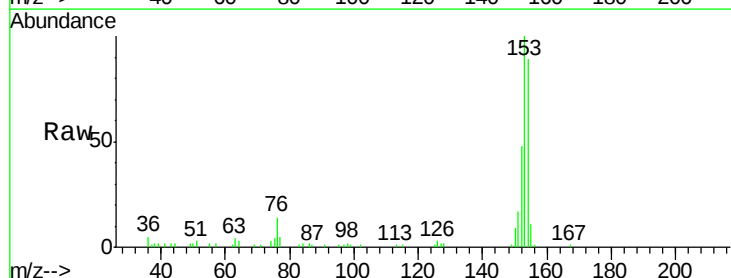


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

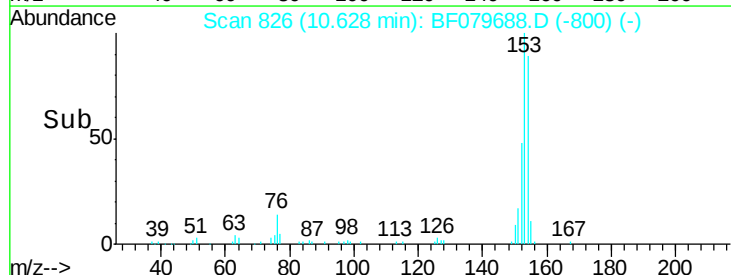
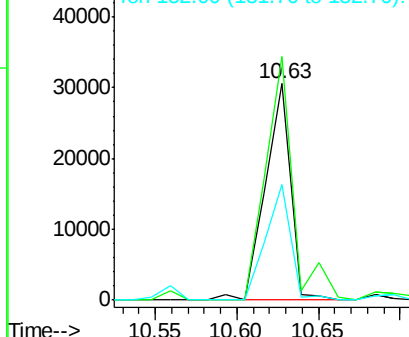


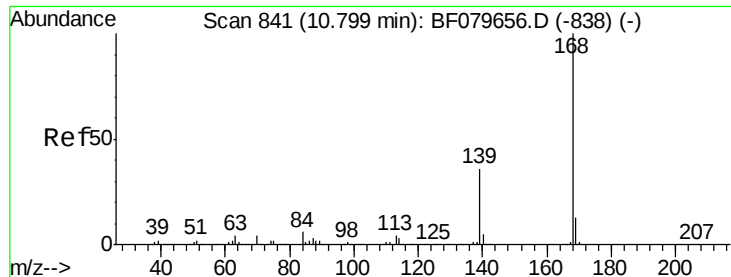
#51
Acenaphthene
Concen: 3.17 ng
RT: 10.63 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	32737		
153	112.6		89.8	134.6
152	53.6		43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





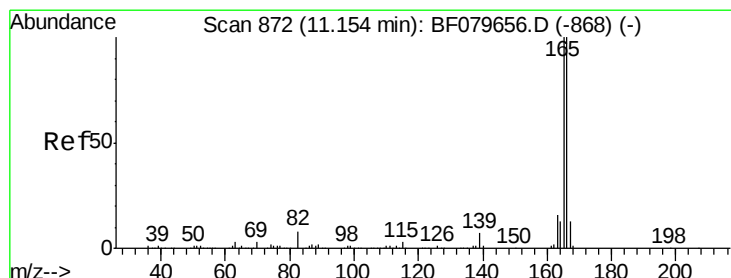
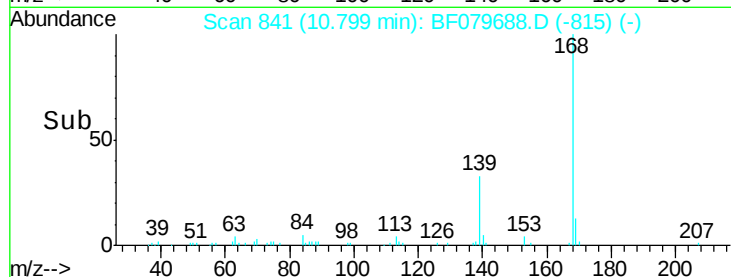
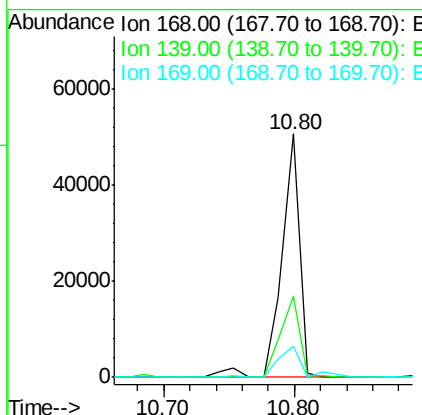
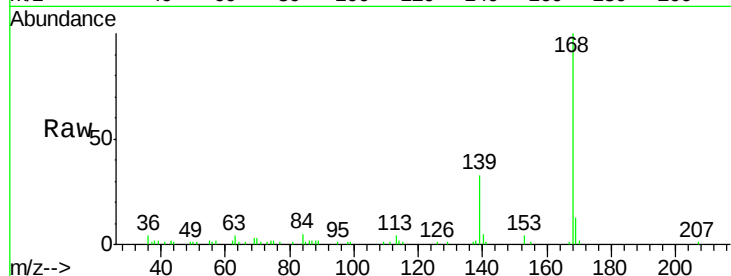
#54
Dibenzenofuran
Concen: 3.26 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Instrument :
BNA_F
ClientSampleId :
PENRD8.3(4)

Tot Ion	Ratio	Lower	Upper
168	100		
139	33.3	29.1	43.7
169	12.8	10.7	16.1

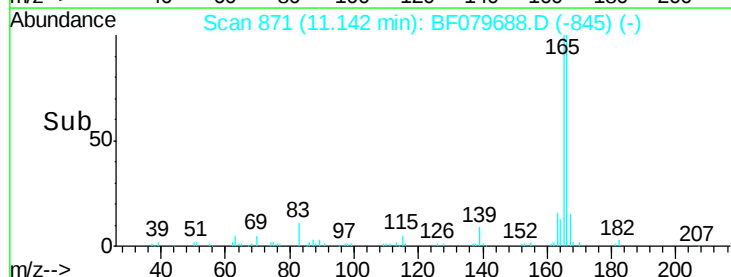
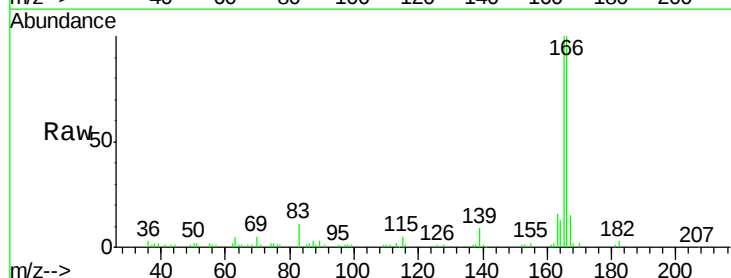
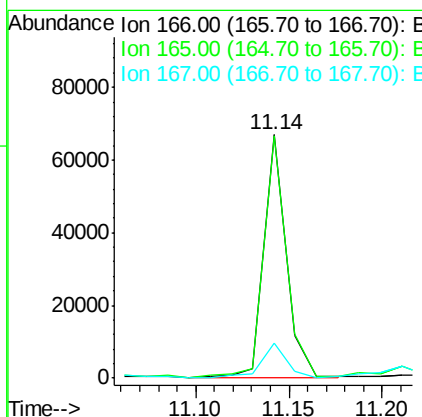
Manual Integrations
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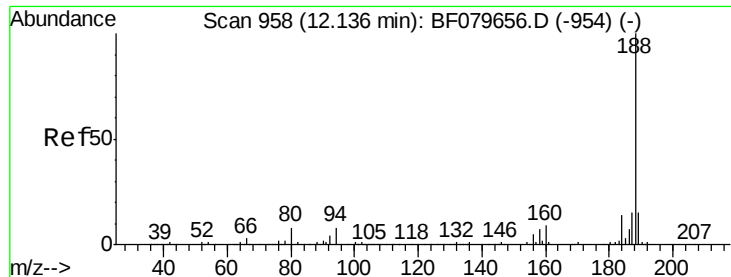
apatel
6/5/2015 8:10:42 AM



#57
Fluorene
Concen: 4.68 ng
RT: 11.14 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.8	119.6
167	14.6	10.6	15.8





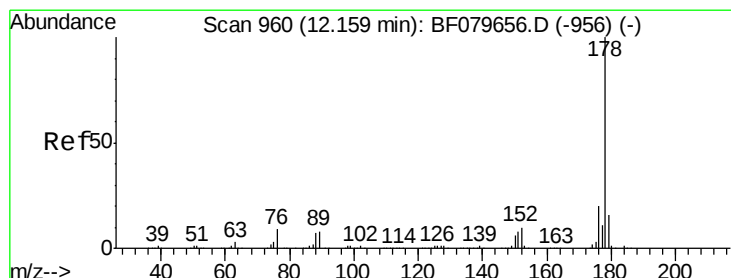
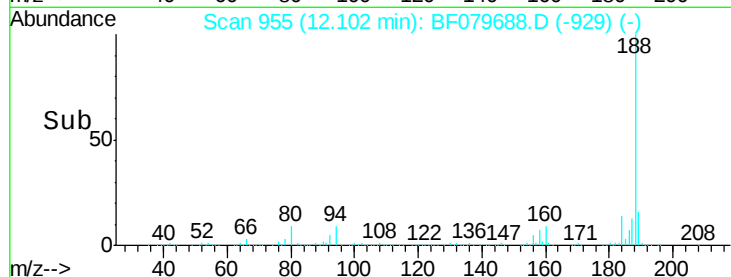
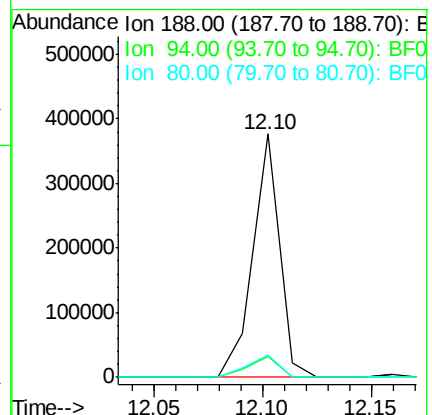
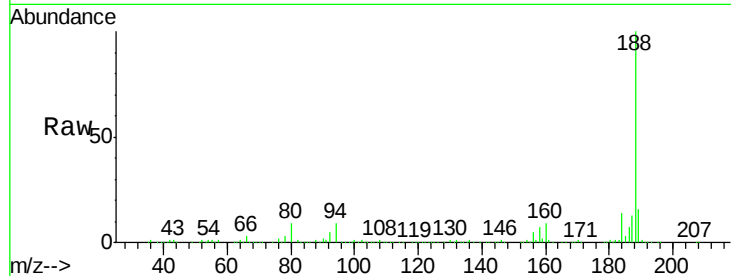
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.10 min Scan# 955
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Instrument :
BNA_F
ClientSampleId :
PENRD8.3(4)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.5	6.1	9.1
80	9.2	6.2	9.2

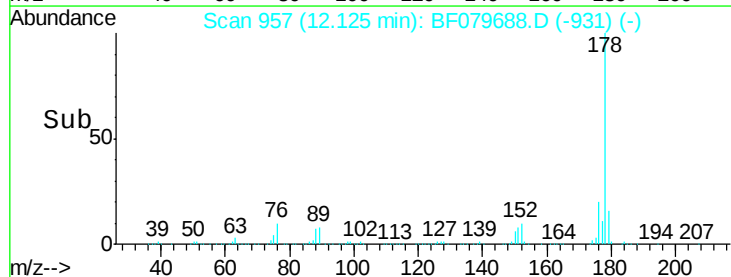
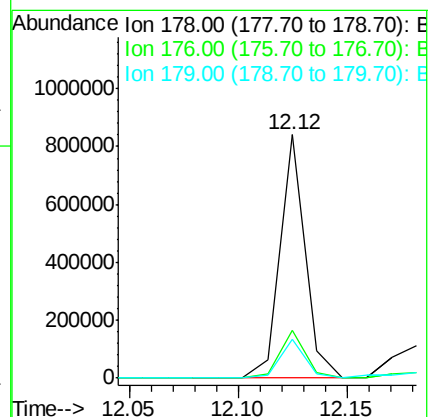
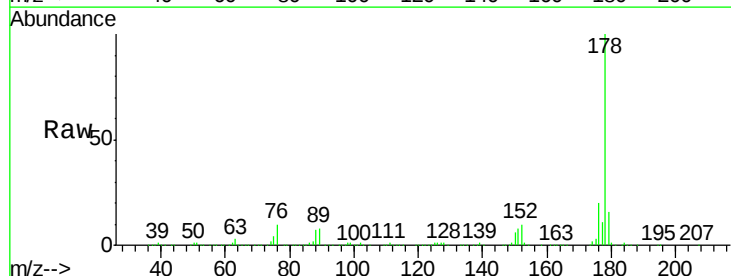
Manual Integrations
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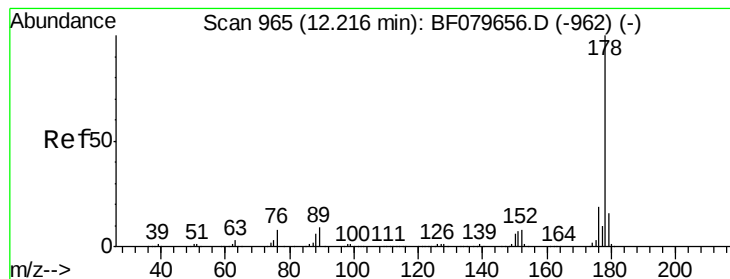
apatel
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#70
Phenanthrene
Concen: 38.87 ng
RT: 12.12 min Scan# 957
Delta R.T. -0.00 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.7	12.7	19.1





#71

Anthracene

Concen: 7.34 ng

RT: 12.18 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

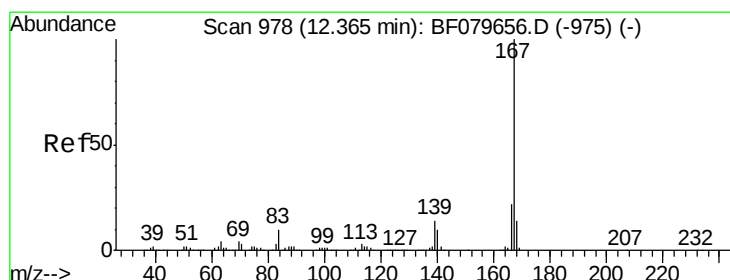
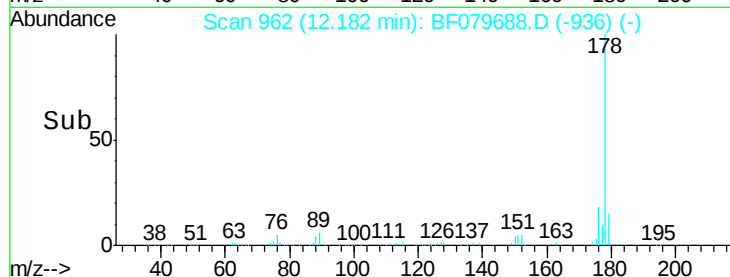
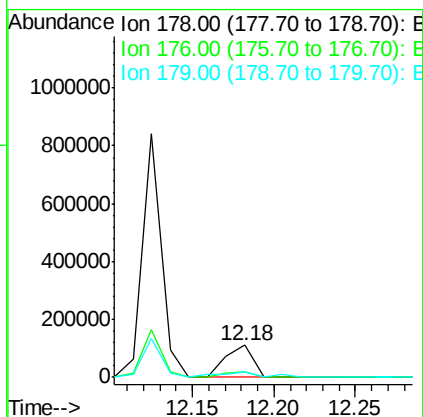
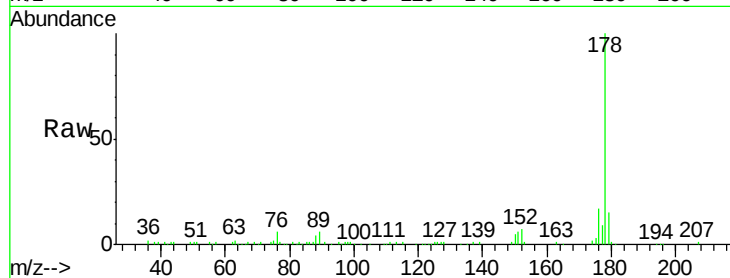
ClientSampleId :

PENRD8.3(4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.0
179	15.4	12.6	19.0

Manual Integrations
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#72

Carbazole

Concen: 2.72 ng

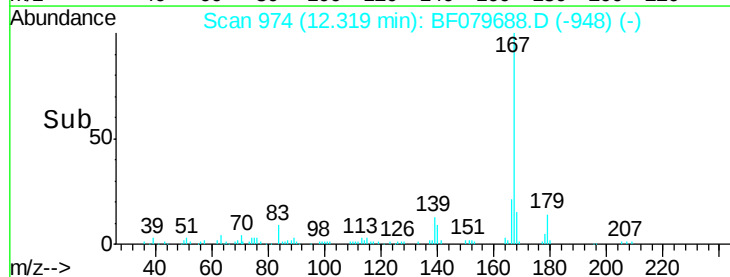
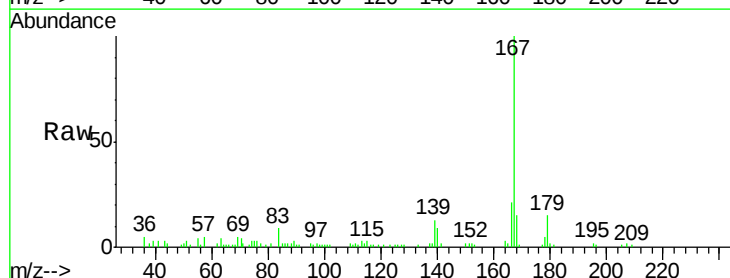
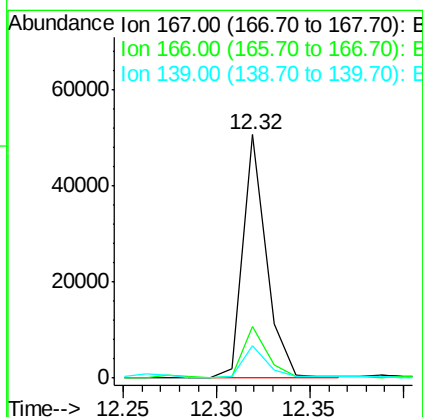
RT: 12.32 min Scan# 974

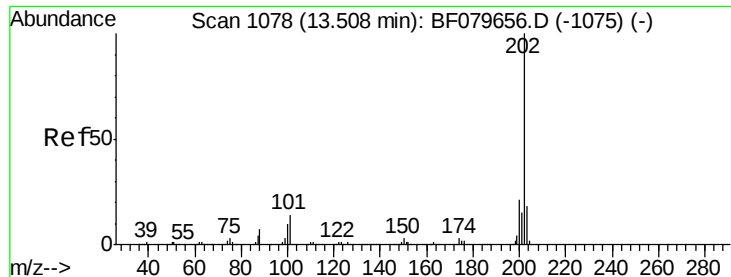
Delta R.T. -0.00 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.4	26.2
139	13.2	11.3	16.9





#74

Fluoranthene

Concen: 28.80 ng

RT: 13.37 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

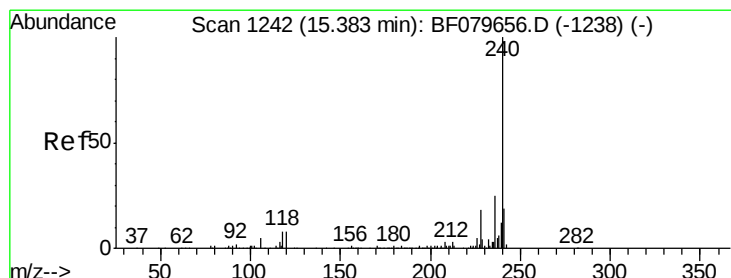
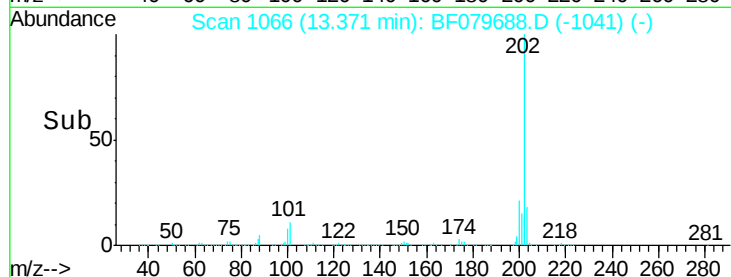
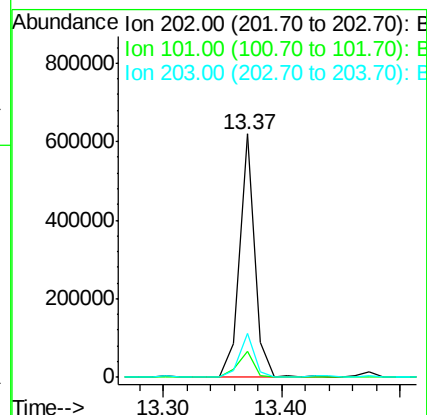
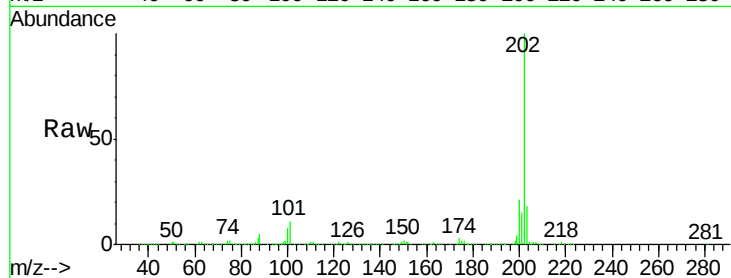
ClientSampleId :

PENRD8.3(4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		549942		
101	10.9	0.0	34.0		
203	17.9	0.0	37.9		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

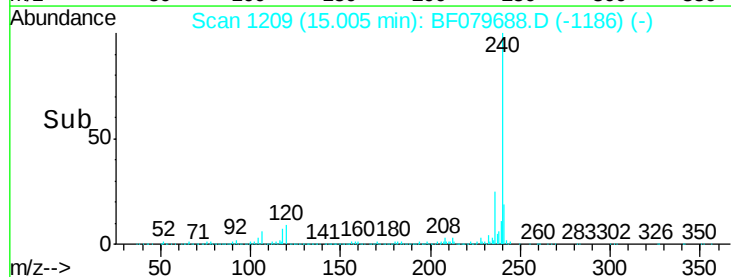
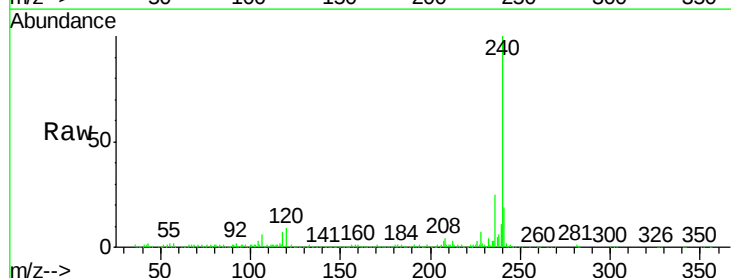
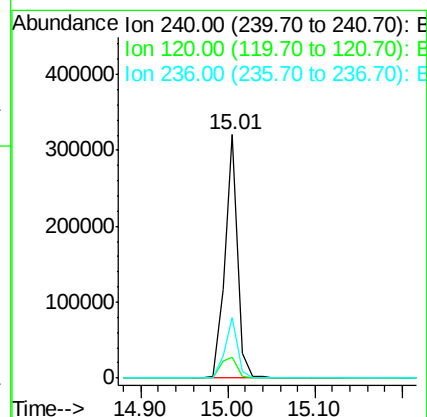
RT: 15.01 min Scan# 1209

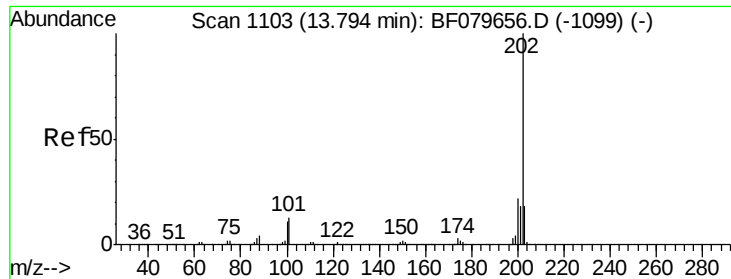
Delta R.T. -0.03 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		330720		
120	8.8	6.4	9.6		
236	24.8	20.2	30.4		





#77

Pvrene

Concen: 25.66 ng

RT: 13.62 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

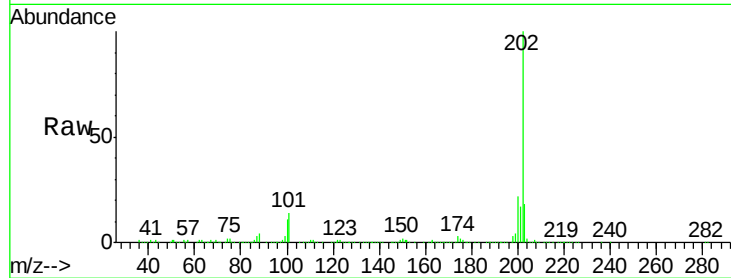
ClientSampleId :

PENRD8.3(4)

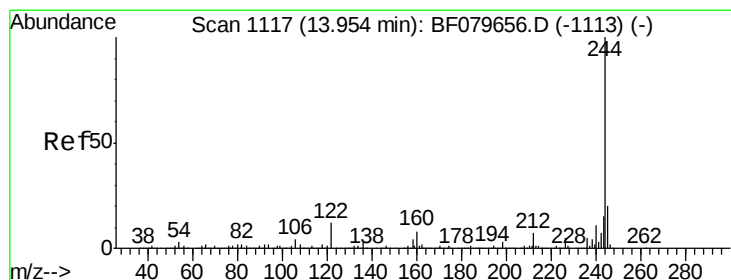
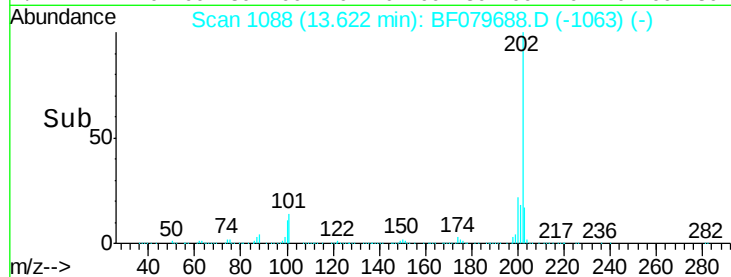
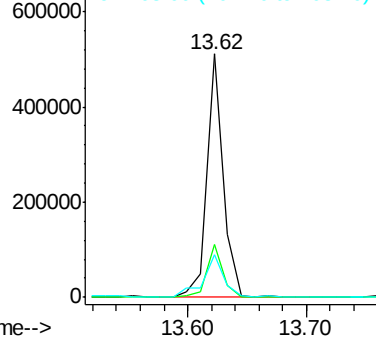
Tot Ion:	202	Resp:	488538
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.4	26.0
203	17.6	14.5	21.7

Manual Integrations
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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: 60.93 ng

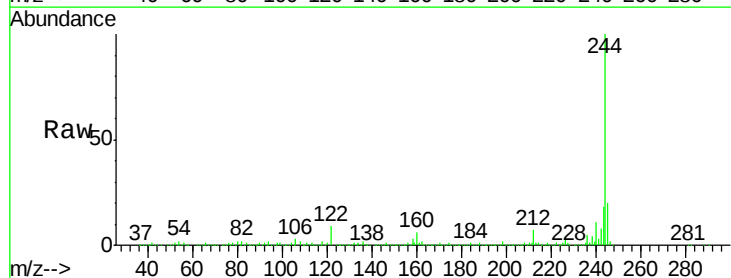
RT: 13.76 min Scan# 1100

Delta R.T. -0.01 min

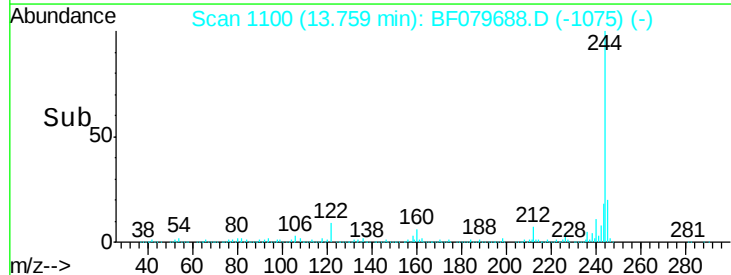
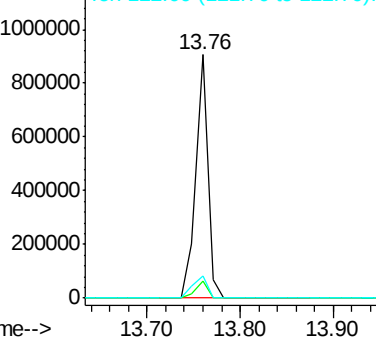
Lab File: BF079688.D

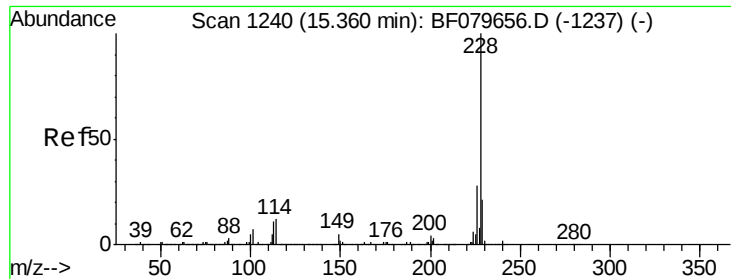
Acq: 4 Jun 2015 5:26

Tgt Ion:	244	Resp:	811858
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.9	8.9
122	9.1	9.8	14.6#



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





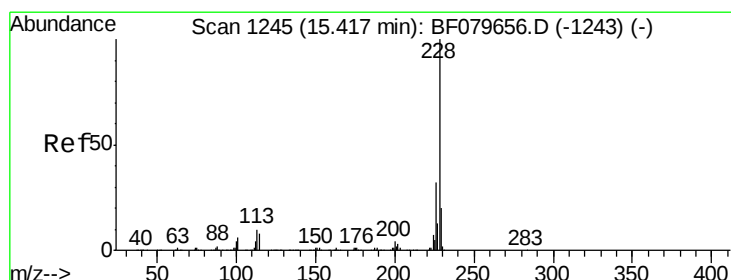
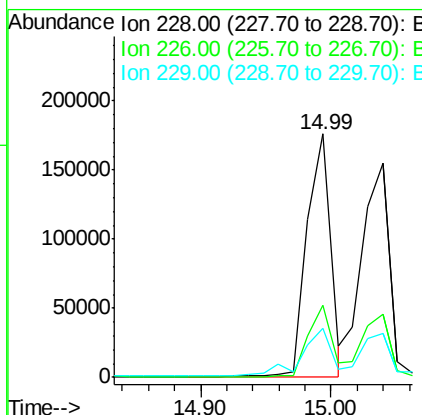
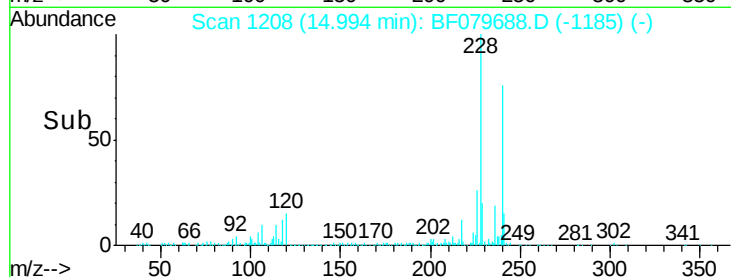
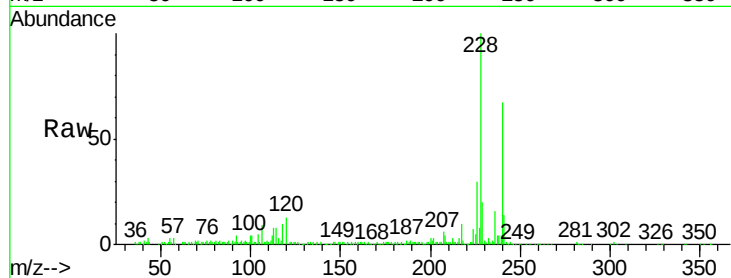
#80
Benzo(a)anthracene
Concen: 12.11 ng
RT: 14.99 min Scan# 1208
Delta R.T. -0.03 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Instrument :
BNA_F
ClientSampleId :
PENRD8.3(4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.5	33.7
229	20.4	16.6	24.8

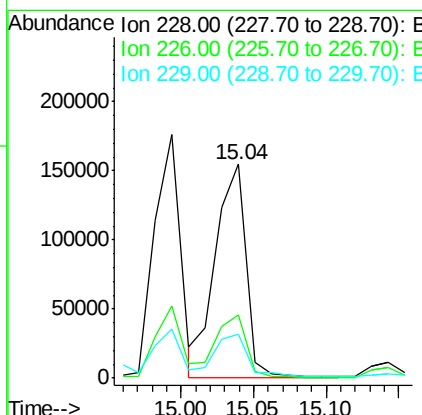
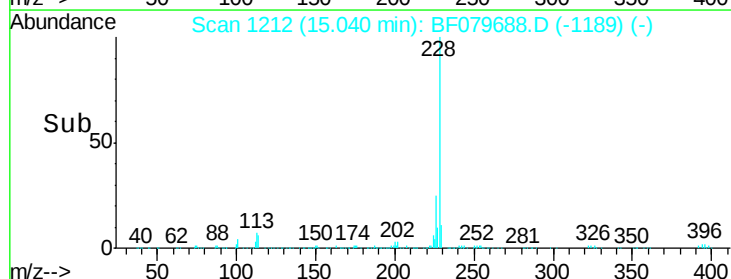
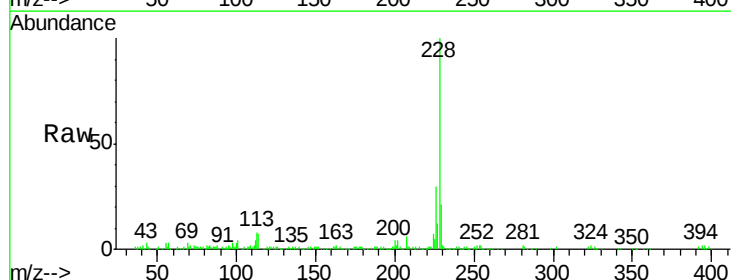
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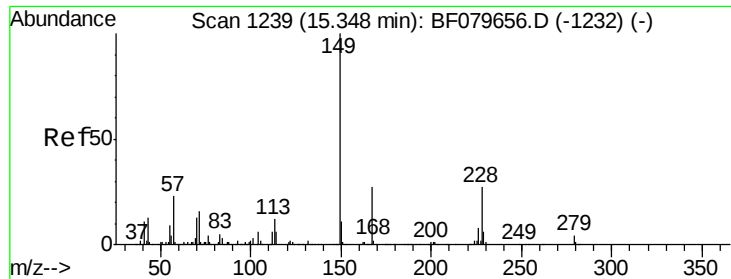
apatel
6/5/2015 8:10:42 AM



#82
Chrysene
Concen: 12.40 ng
RT: 15.04 min Scan# 1212
Delta R.T. -0.03 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.2	37.8
229	20.6	16.3	24.5





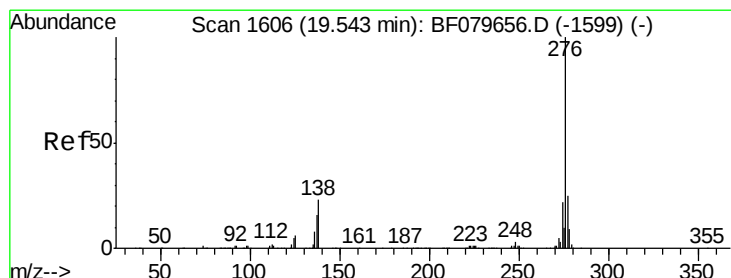
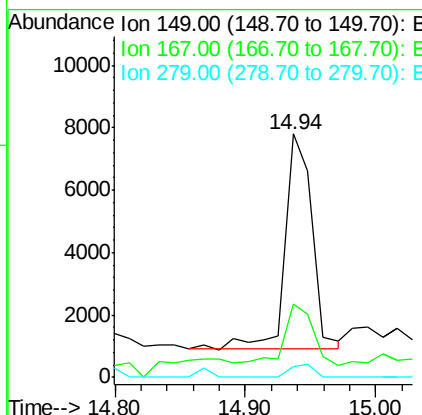
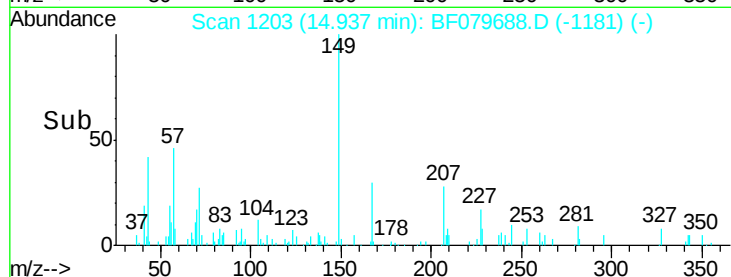
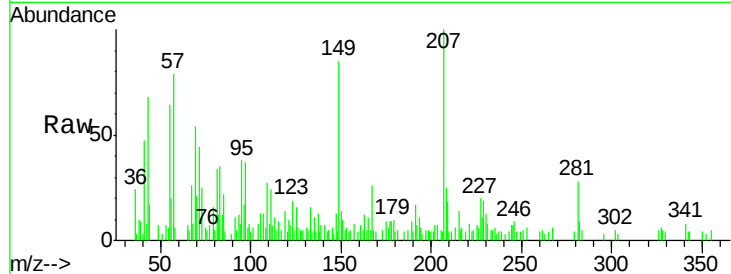
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.08 ng
RT: 14.94 min Scan# 1203
Delta R.T. -0.05 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Instrument :
BNA_F
ClientSampleId :
PENRD8.3(4)

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.3	21.6	32.4
279	4.4	3.1	4.7

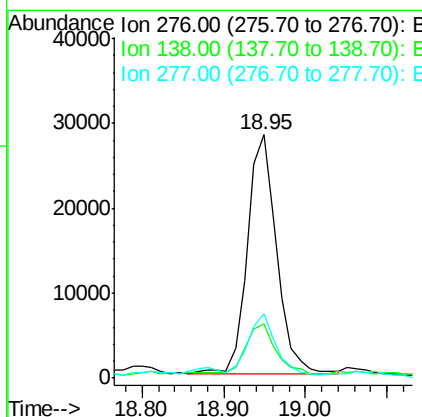
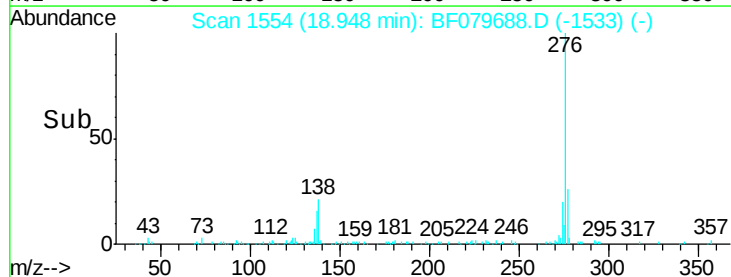
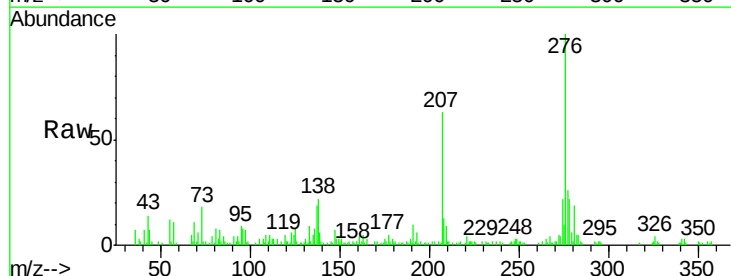
Manual Integrations
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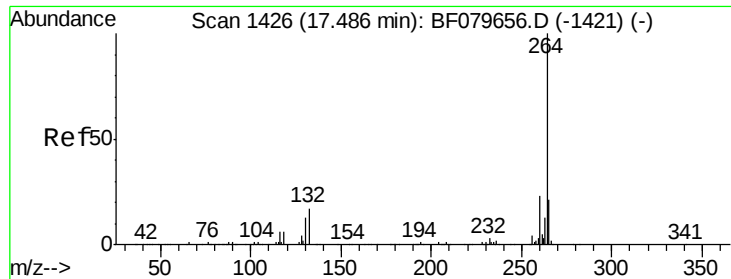
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.90 ng
RT: 18.95 min Scan# 1554
Delta R.T. -0.06 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	21.9	32.9
277	24.0	20.2	30.4





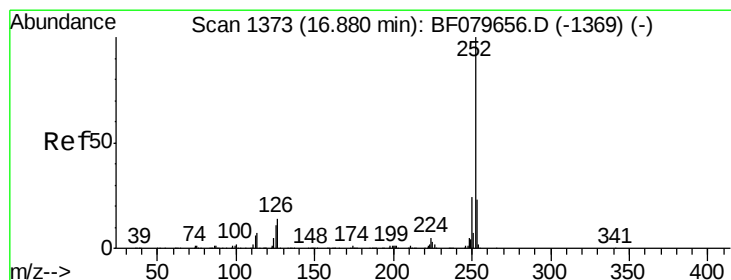
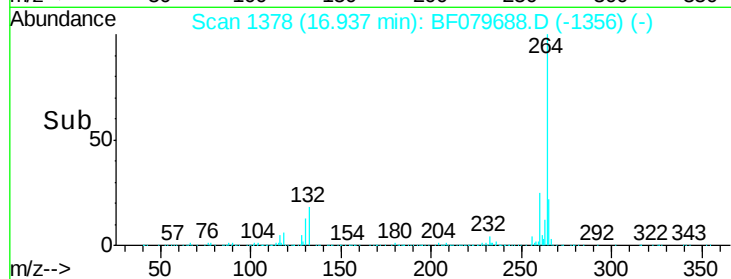
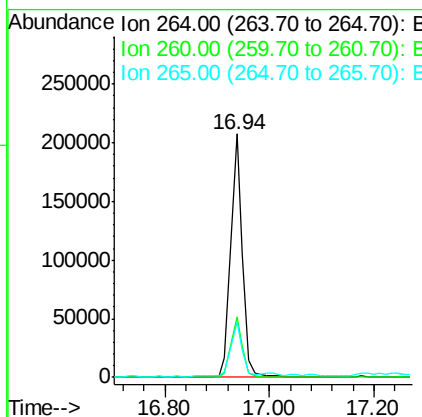
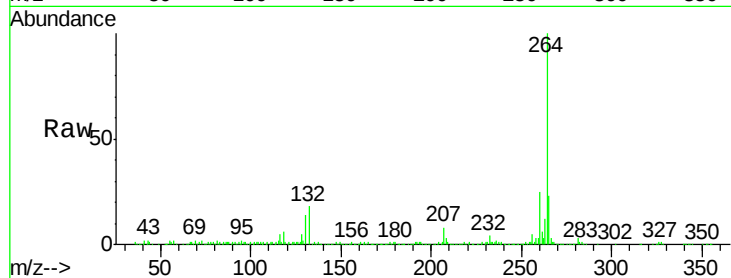
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.94 min Scan# 1378
Delta R.T. -0.05 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Instrument :
BNA_F
ClientSampleId :
PENRD8.3(4)

Tot Ion	Ratio	Resp	Lower	Upper
264	100	324602		
260	25.0	18.8	28.2	
265	22.8	17.4	26.0	

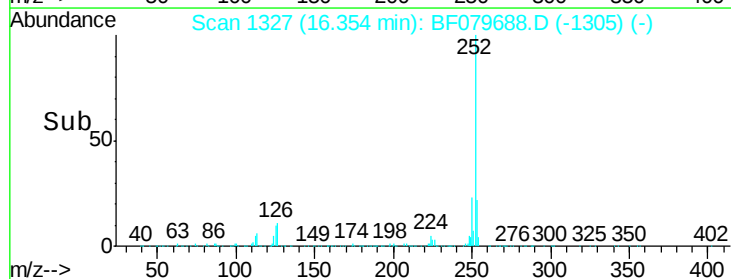
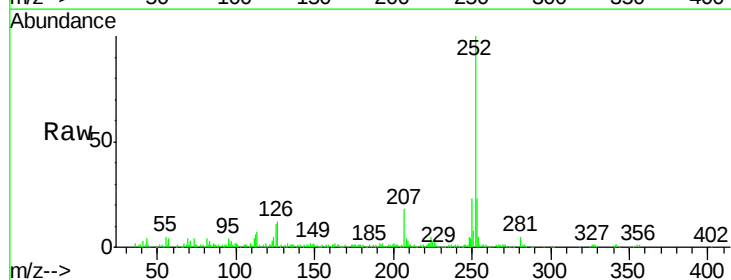
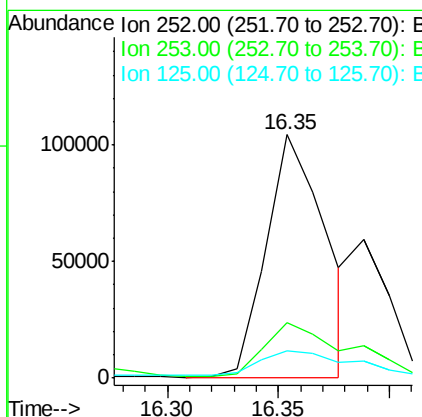
Manual Integrations
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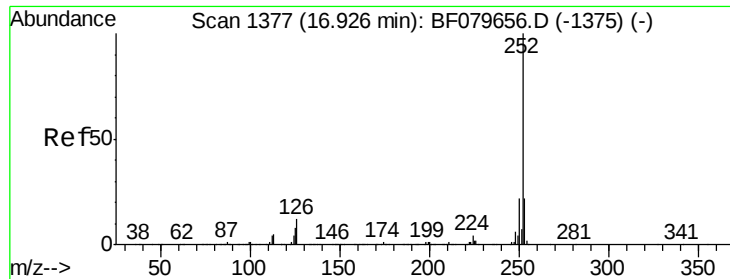
apatel
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#87
Benzo(b)fluoranthene
Concen: 11.51 ng m
RT: 16.35 min Scan# 1327
Delta R.T. -0.05 min
Lab File: BF079688.D
Acq: 4 Jun 2015 5:26

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	193069		
253	22.7	18.0	27.0	
125	11.1	8.7	13.1	





#88

Benzo(k)fluoranthene

Concen: 3.63 ng/mL

RT: 16.39 min Scan# 1330

Delta R.T. -0.06 min

Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

Instrument :

BNA_F

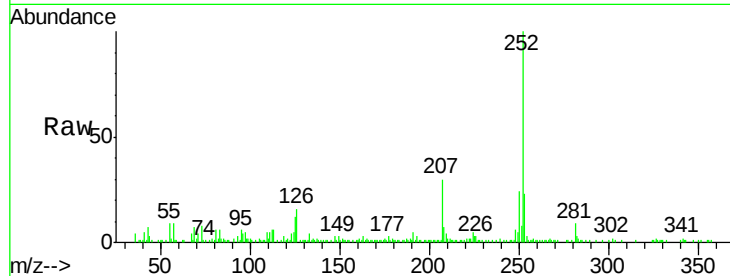
ClientSampleId :

PENRD8.3(4)

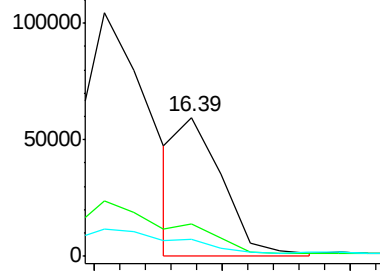
Tot Ion:	252	Resp:	71338
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.2
125	12.0	7.1	10.7

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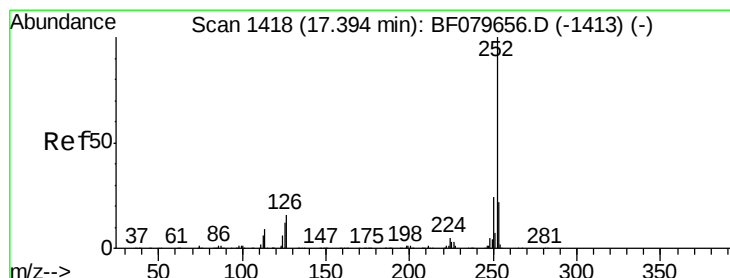
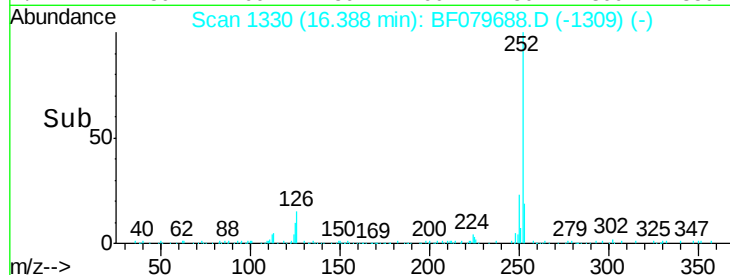
apatel
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#89

Benzo(a)pyrene

Concen: 8.89 ng/mL

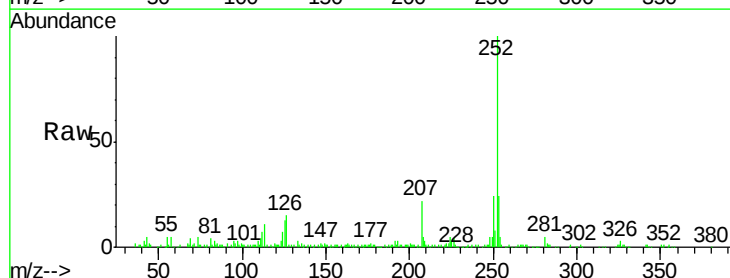
RT: 16.85 min Scan# 1370

Delta R.T. -0.06 min

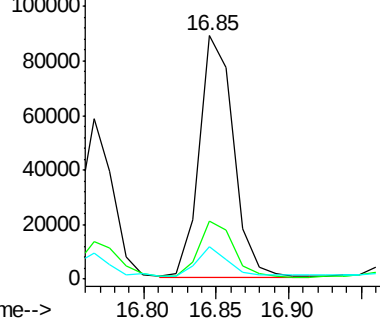
Lab File: BF079688.D

Acq: 4 Jun 2015 5:26

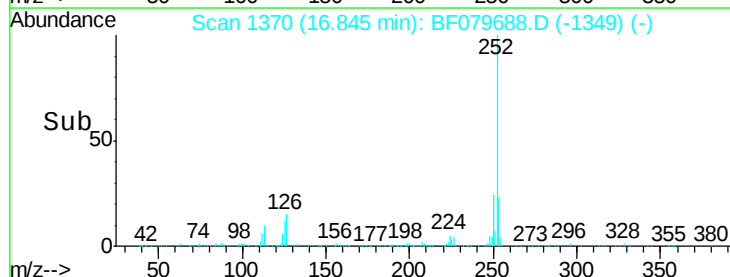
Tgt Ion:	252	Resp:	145790
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	13.1	9.4	14.0

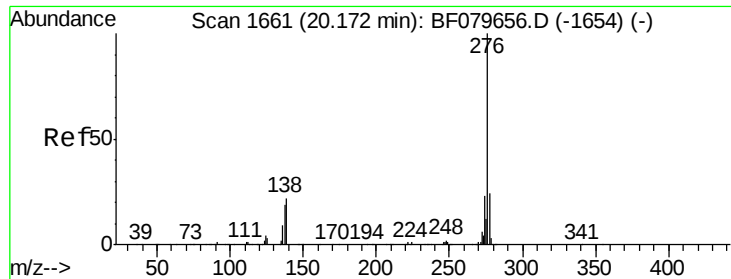


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#91
 Benzo(a,h,i)perylene
 Concen: 3.82 ng
 RT: 19.55 min Scan# 1607
 Delta R.T. -0.06 min
 Lab File: BF079688.D
 Acq: 4 Jun 2015 5:26

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.3(4)

Tot Ion:	276	Resp:	62296
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.1	28.7
138	23.4	17.4	26.0

Manual Integrations
 APPROVED

apatel
 6/5/2015 8:10:42 AM

