

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
 Data File : BF080667.D
 Acq On : 25 Jul 2015 13:14
 Operator : TP/UM
 Sample : G3057-01RE 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-003-ARE

Manual Integrations
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Quant Time: Jul 27 02:57:33 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 25 04:28:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	51643	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	167403	20.00	ng	0.01
38) Acenaphthene-d10	9.97	164	95617	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	170836	20.00	ng	0.00
75) Chrysene-d12	14.24	240	227350	20.00	ng	0.08
86) Perylene-d12	15.88	264	218651	20.00	ng	0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	16584	5.41	ng	0.01
7) Phenol-d6	6.54	99	73797	20.15	ng	0.00
23) Nitrobenzene-d5	7.49	82	44139	13.24	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.30	172	82810	13.36	ng	0.00
78) Terphenyl-d14	13.07	244	96036	9.10	ng	0.01
Target Compounds						
15) Benzyl Alcohol	7.07	79	31006	10.19	ng	Qvalue # 85
31) Naphthalene	8.24	128	21380	2.55	ng	98
51) Acenaphthene	10.01	154	24577	4.28	ng	99
54) Dibenzofuran	10.18	168	21457	2.62	ng	98
57) Fluorene	10.52	166	25772	4.00	ng	98
70) Phenanthrene	11.48	178	267631	28.38	ng	98
71) Anthracene	11.54	178	80005	8.80	ng	97
72) Carbazole	11.69	167	34331	4.17	ng	97
74) Fluoranthene	12.68	202	339583	37.26	ng	97
77) Pyrene	12.92	202	302551	21.25	ng	99
79) Butylbenzylphthalate	13.60	149	21520	3.49	ng	94
80) Benzo(a)anthracene	14.23	228	183210m	13.73	ng	
82) Chrysene	14.26	228	165870m	13.28	ng	
83) Bis(2-ethylhexyl)phthalate	14.24	149	28520	3.07	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.37	276	87010	7.26	ng	92
87) Benzo(b)fluoranthene	15.44	252	219995m	16.60	ng	
88) Benzo(k)fluoranthene	15.47	252	48610m	4.10	ng	
89) Benzo(a)pyrene	15.81	252	143947	12.07	ng	100
91) Benzo(g,h,i)perylene	17.81	276	80796	6.34	ng	# 95

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

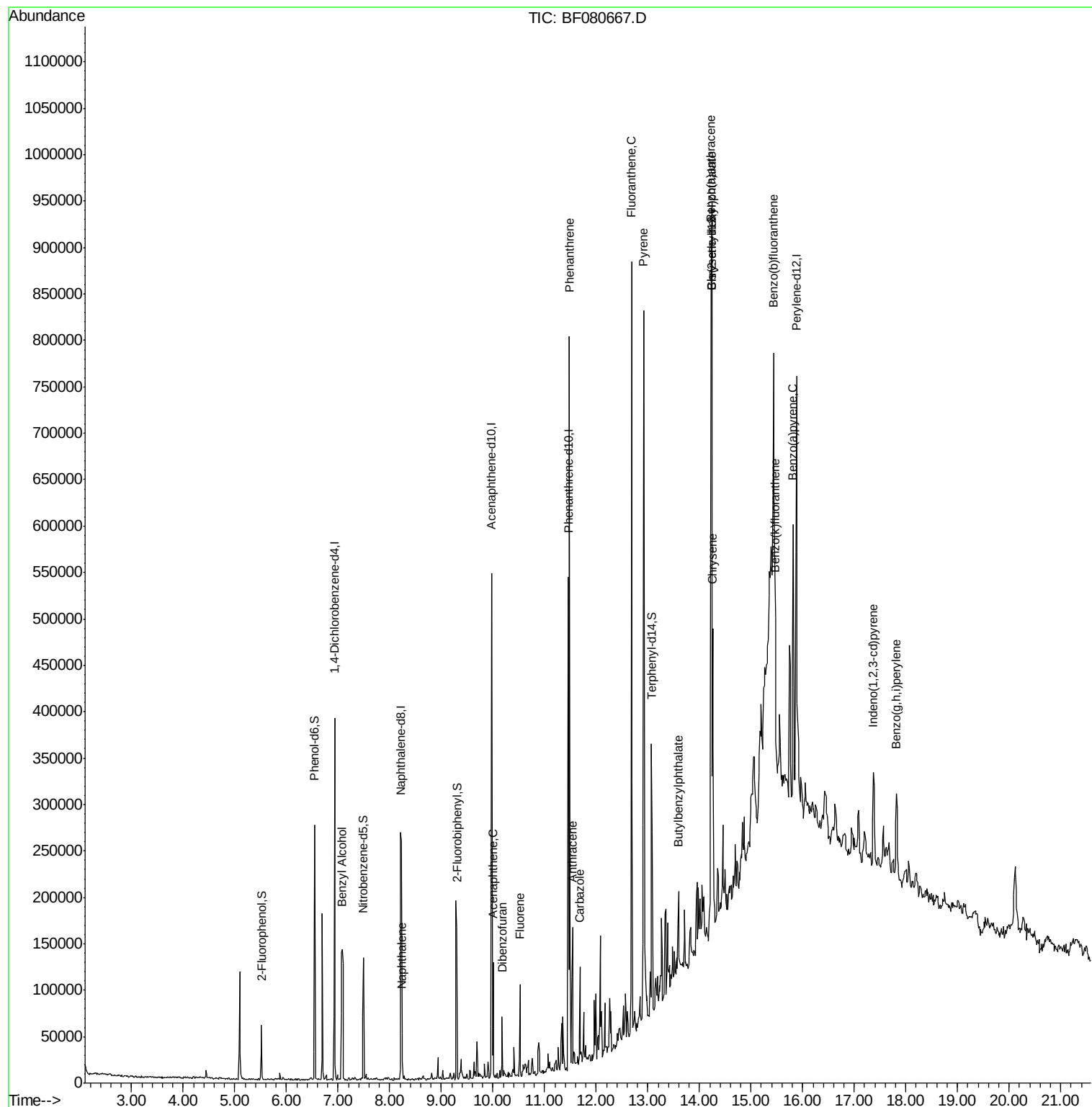
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080667.D
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ALS Vial : 38 Sample Multiplier: 1

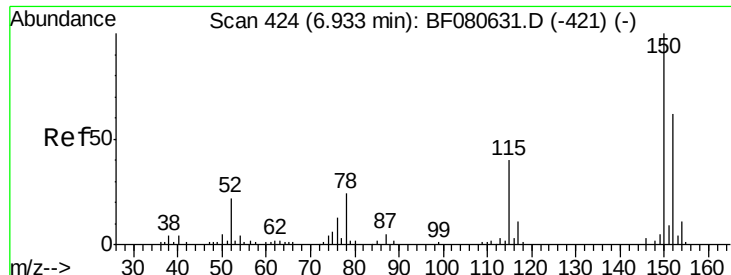
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FK-SF-03-003-ARE

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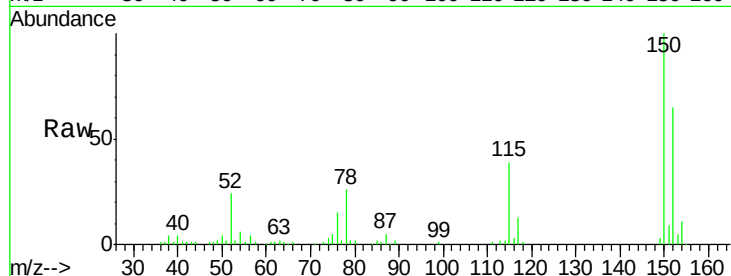




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 424
Delta R.T. -0.00 min
Lab File: BF080667.D
Acq: 25 Jul 2015 13:14

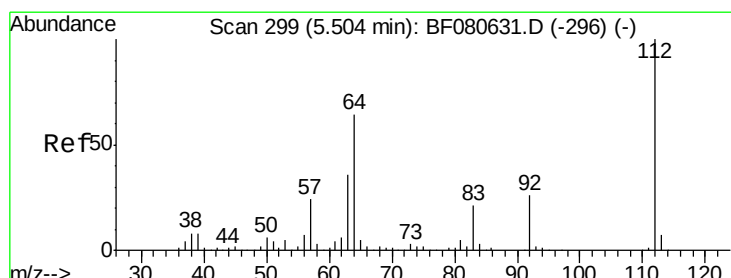
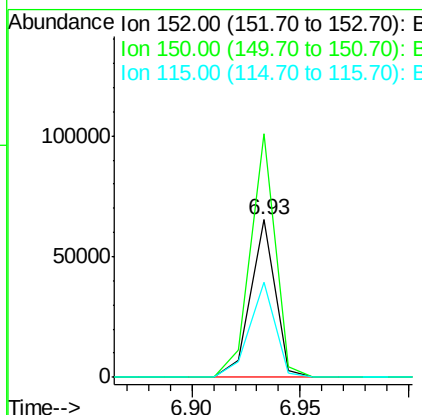
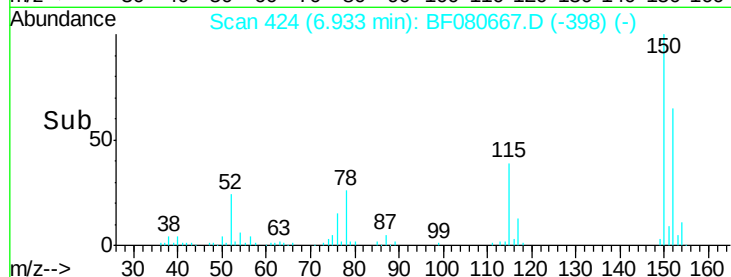
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-ARE



Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.6	128.9	193.3
115	60.7	51.0	76.6

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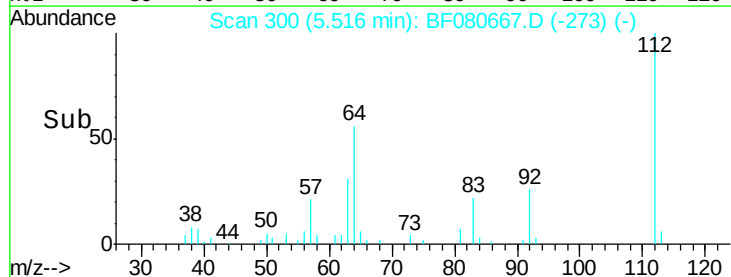
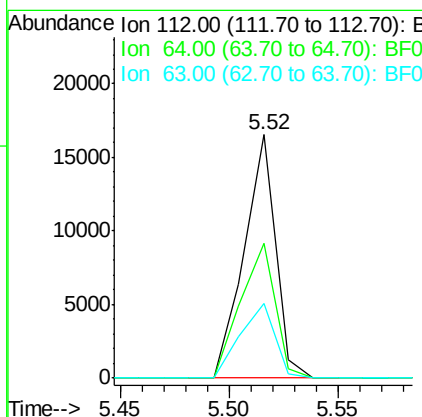
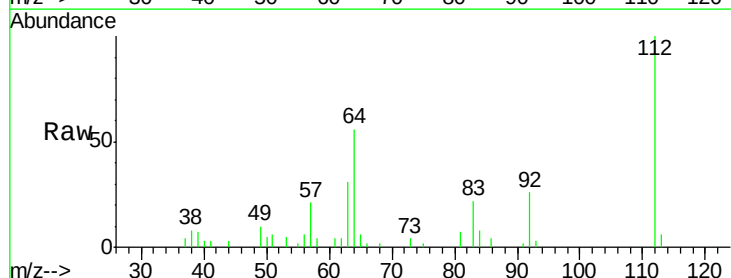
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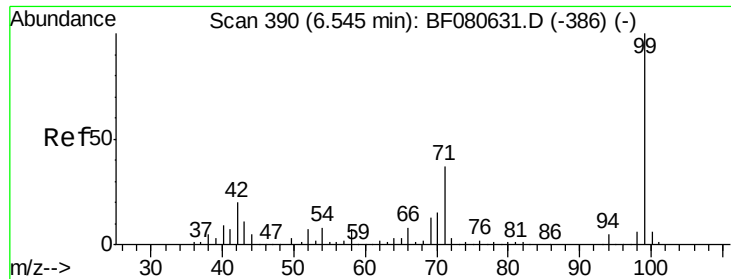


#5

2-Fluorophenol
Concen: 5.41 ng
RT: 5.52 min Scan# 300
Delta R.T. 0.01 min
Lab File: BF080667.D
Acq: 25 Jul 2015 13:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	51.2	76.8
63	30.7	29.0	43.6





#7

Phenol-d6

Concen: 20.15 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF080667.D

Acq: 25 Jul 2015 13:14

Instrument :

BNA_F

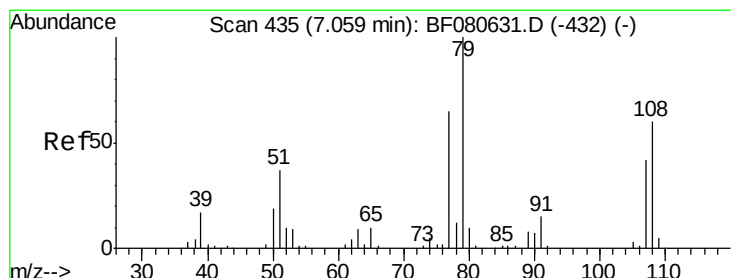
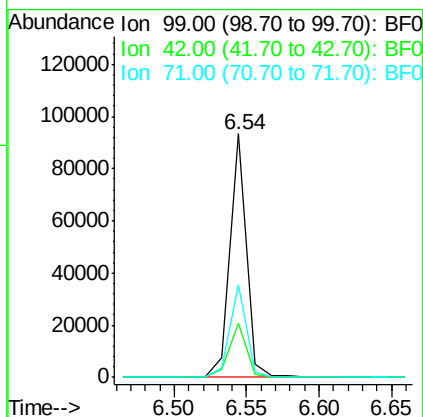
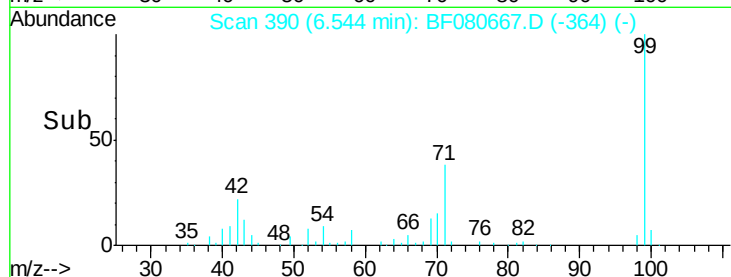
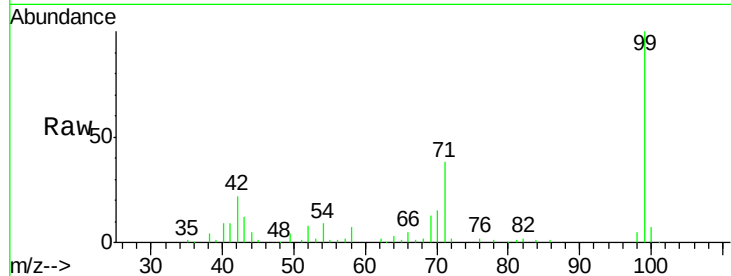
ClientSampleId :

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Tgt Ion:	99	Resp:	73797
Ion Ratio	Lower	Upper	
99	100		
42	22.2	16.3	24.5
71	37.8	29.7	44.5

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#15

Benzyl Alcohol

Concen: 10.19 ng

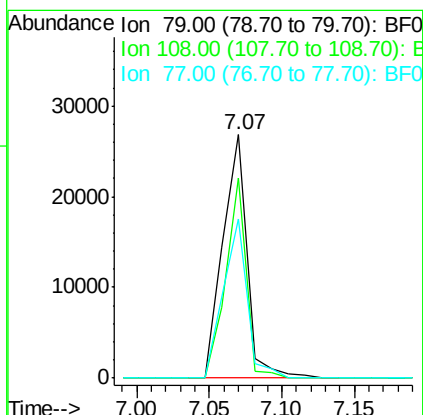
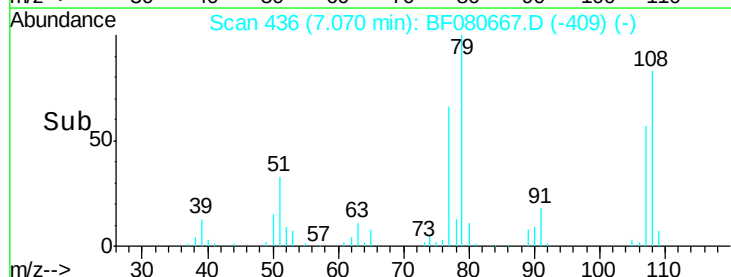
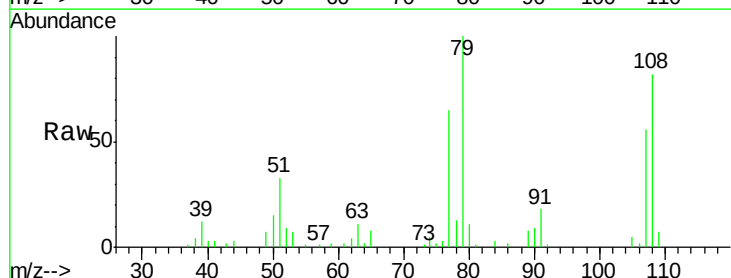
RT: 7.07 min Scan# 436

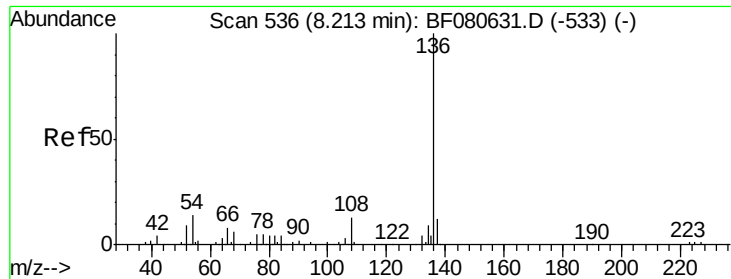
Delta R.T. 0.01 min

Lab File: BF080667.D

Acq: 25 Jul 2015 13:14

Tgt Ion:	79	Resp:	31006
Ion Ratio	Lower	Upper	
79	100		
108	82.2	47.8	71.8#
77	65.3	51.6	77.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 537

Delta R.T. 0.01 min

Lab File: BF080667.D

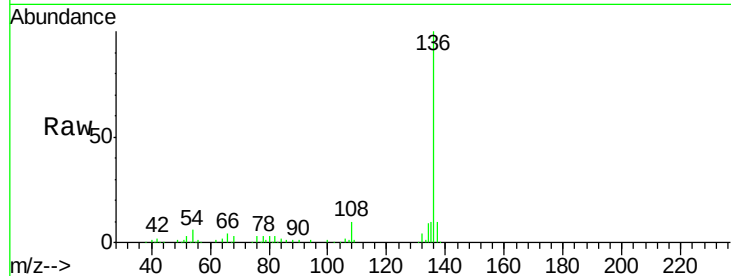
Acq: 25 Jul 2015 13:14

Instrument :

BNA_F

ClientSampleId :

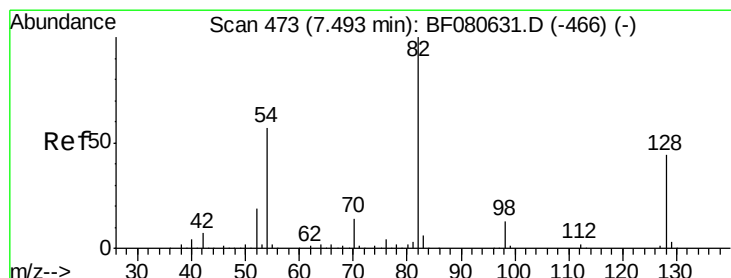
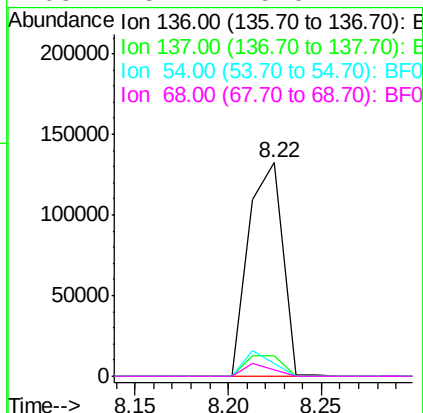
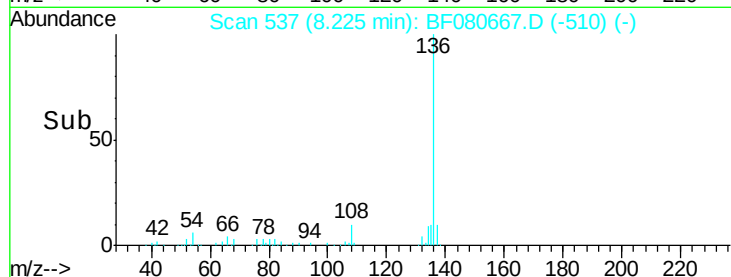
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		167403		
137	9.8	9.3	13.9		
54	5.9	11.6	17.4		
68	3.2	5.0	7.4		

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#23

Nitrobenzene-d5

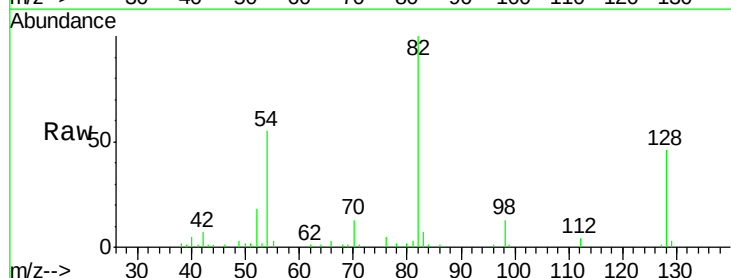
Concen: 13.24 ng

RT: 7.49 min Scan# 473

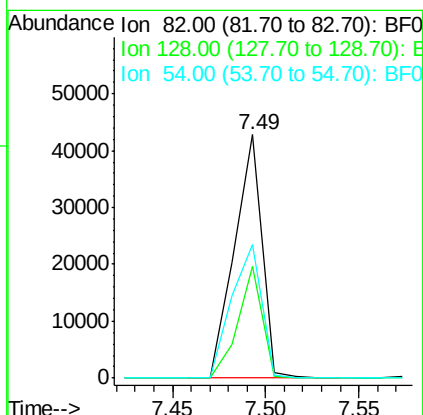
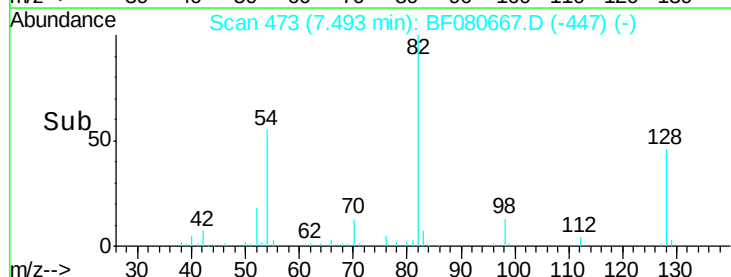
Delta R.T. -0.00 min

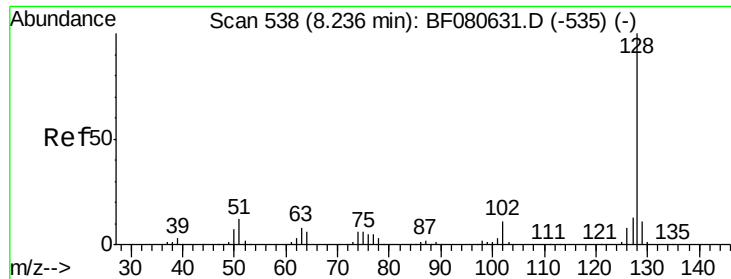
Lab File: BF080667.D

Acq: 25 Jul 2015 13:14



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		44139		
128	45.9	34.8	52.2		
54	54.7	45.4	68.0		





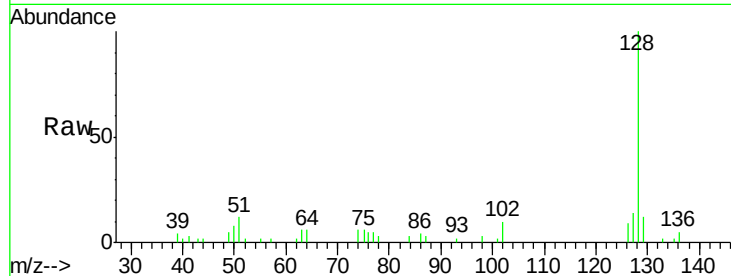
#31
Naphthalene
Concen: 2.55 ng
RT: 8.24 min Scan# 538
Delta R.T. -0.00 min
Lab File: BF080667.D
Acq: 25 Jul 2015 13:14

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-ARE

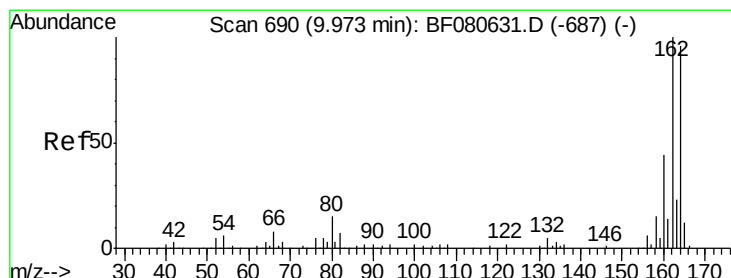
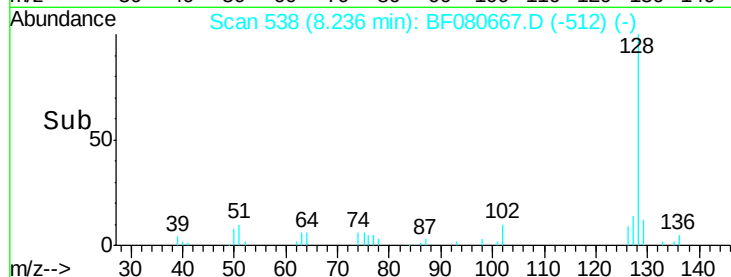
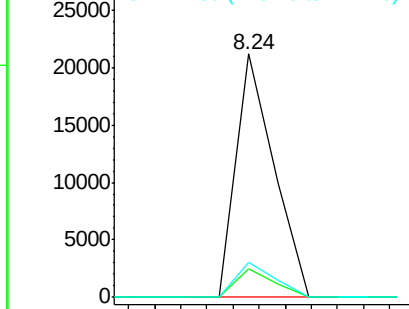
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.0	13.6
127	14.4	10.6	15.8

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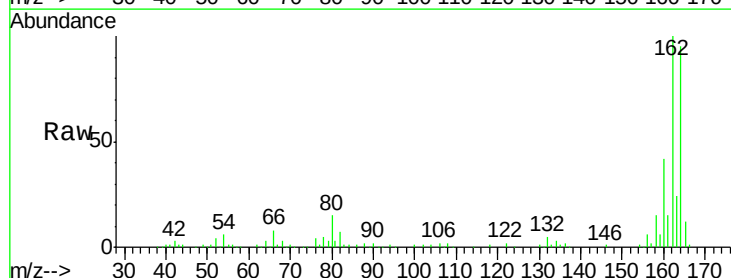


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

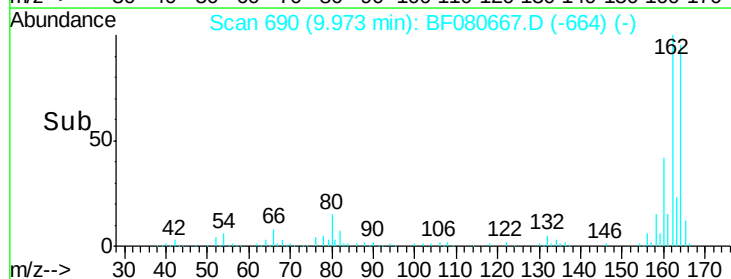
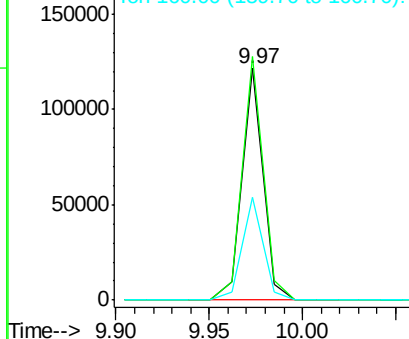


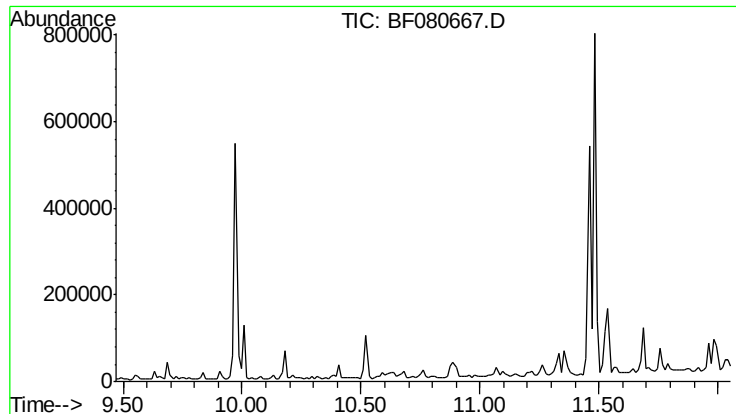
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.00 min
Lab File: BF080667.D
Acq: 25 Jul 2015 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	83.3	124.9
160	44.3	36.9	55.3



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





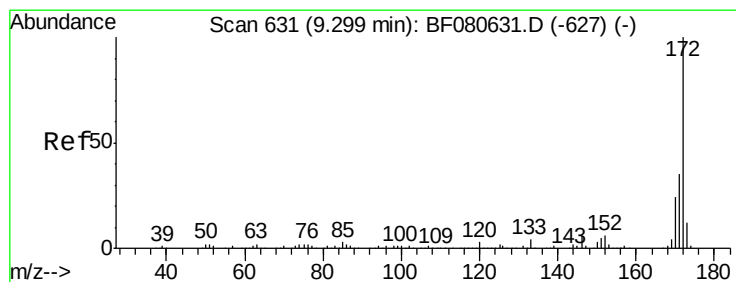
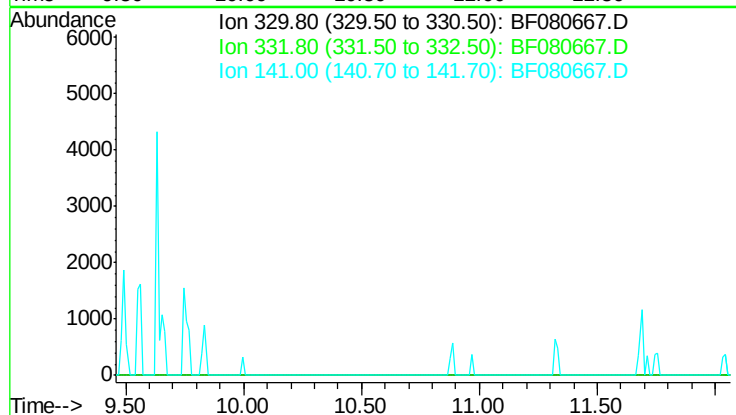
#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.76 min
 Lab File: BF080667.D
 Acq: 25 Jul 2015 13:14

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-003-ARE

Tgt Ion	Exp Ratio
330	100
332	95.9
141	40.9

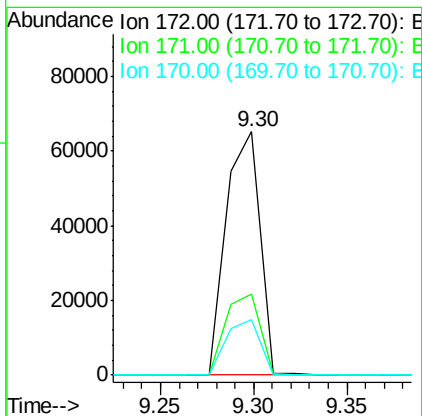
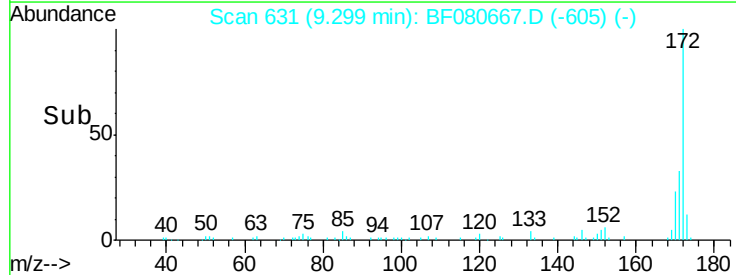
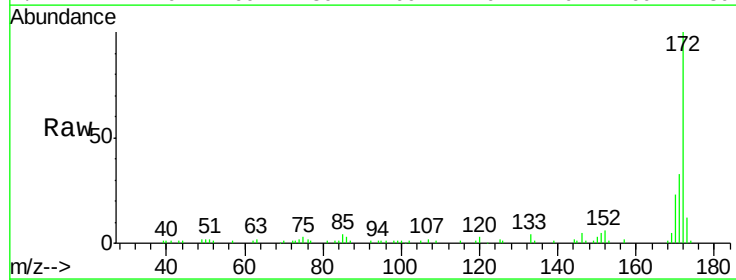
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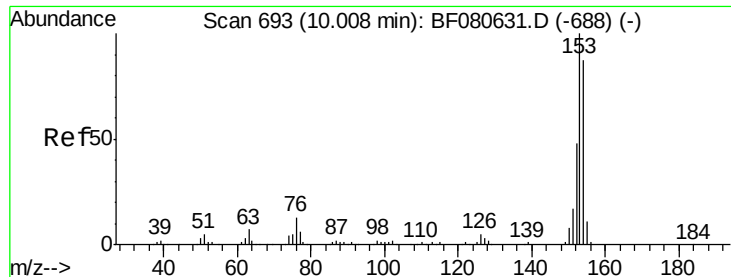
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#44
 2-Fluorobiphenyl
 Concen: 13.36 ng
 RT: 9.30 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: BF080667.D
 Acq: 25 Jul 2015 13:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	27.7	41.5
170	23.0	19.0	28.4





#51

Acenaphthene

Concen: 4.28 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF080667.D

Acq: 25 Jul 2015 13:14

Instrument :

BNA_F

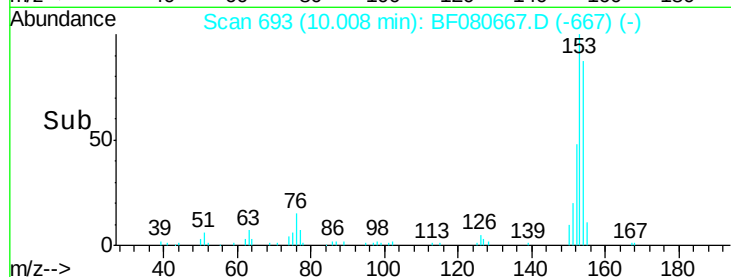
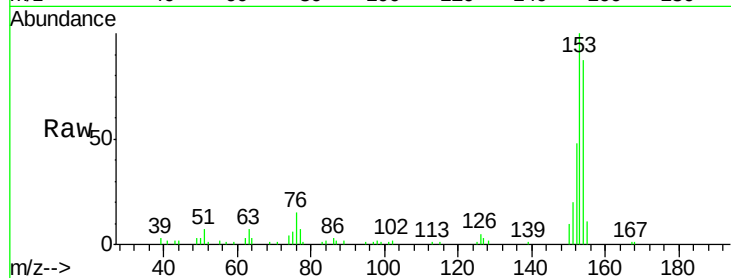
ClientSampleId :

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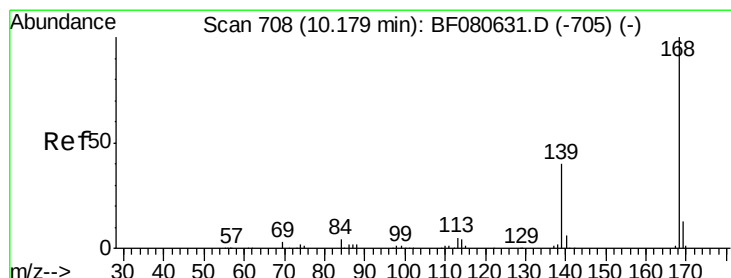
Tgt Ion:	154	Resp:	24577
Ion Ratio	Lower	Upper	
154	100		
153	115.4	91.6	137.4
152	55.7	44.0	66.0

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Time-->



#54

Dibenzofuran

Concen: 2.62 ng

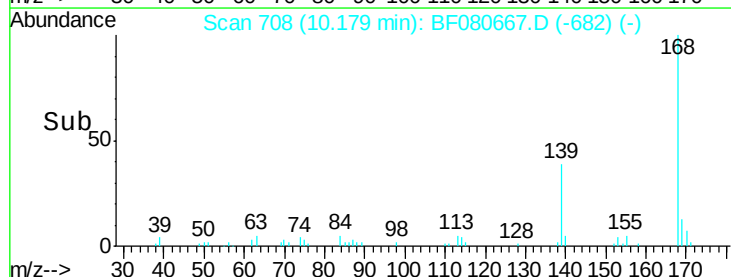
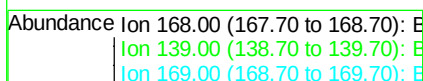
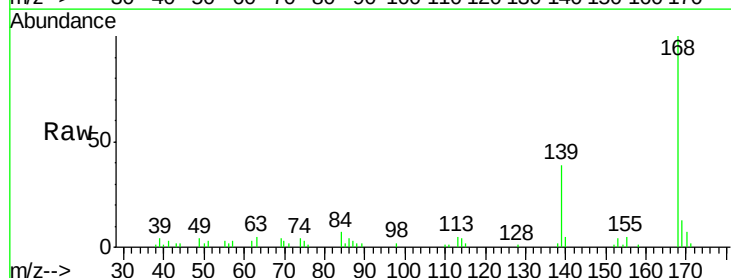
RT: 10.18 min Scan# 708

Delta R.T. -0.00 min

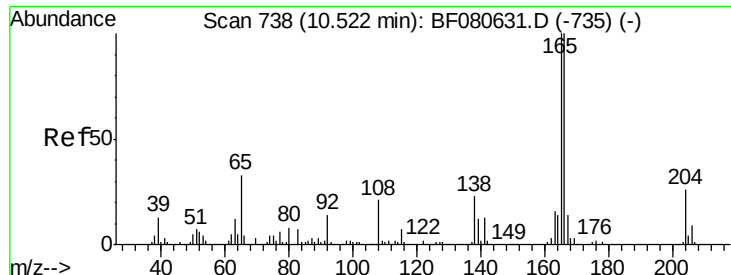
Lab File: BF080667.D

Acq: 25 Jul 2015 13:14

Tgt Ion:	168	Resp:	21457
Ion Ratio	Lower	Upper	
168	100		
139	39.0	32.2	48.4
169	12.9	10.2	15.2



Time-->



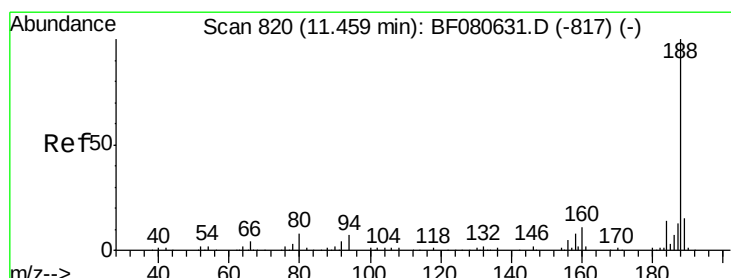
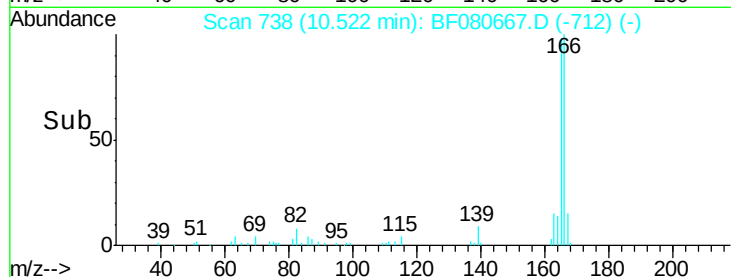
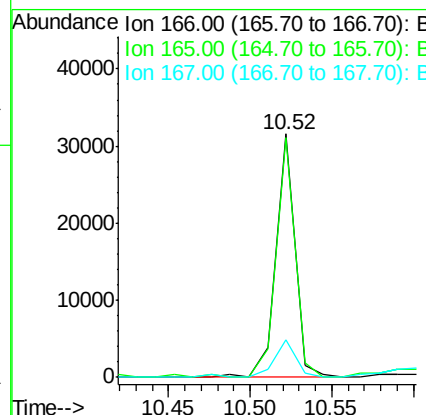
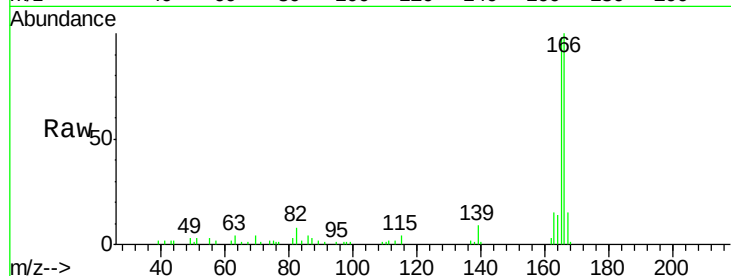
#57
Fluorene
 Concen: 4.00 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF080667.D
 Acq: 25 Jul 2015 13:14

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-003-ARE

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	80.0	120.0
167	15.2	10.8	16.2

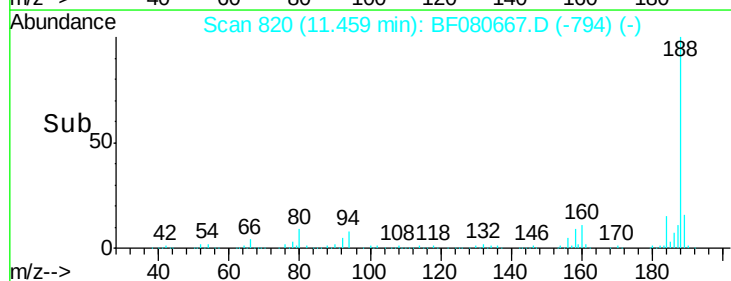
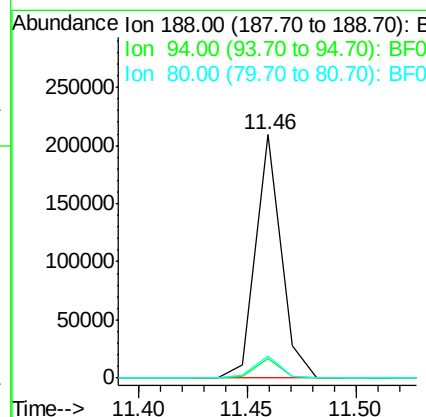
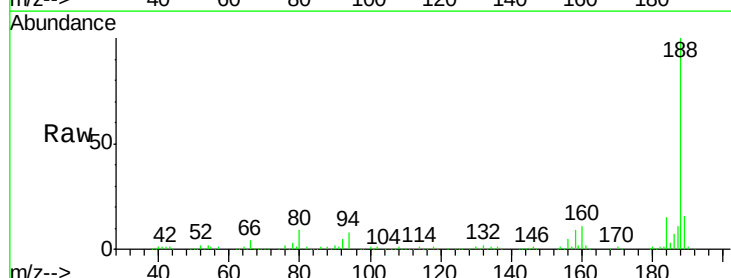
Manual Integrations
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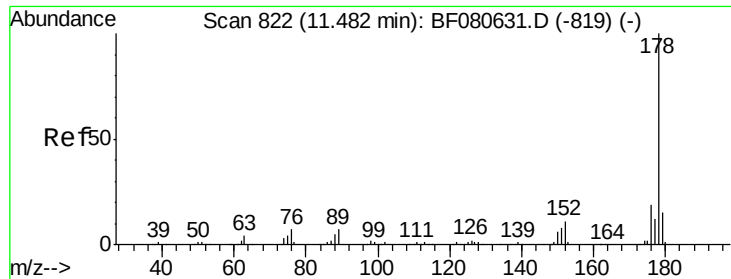
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BF080667.D
 Acq: 25 Jul 2015 13:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	5.6	8.4
80	9.3	6.1	9.1





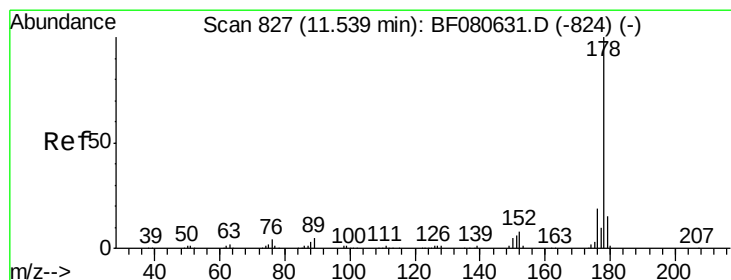
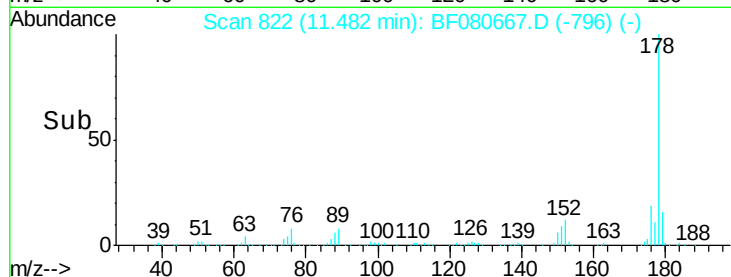
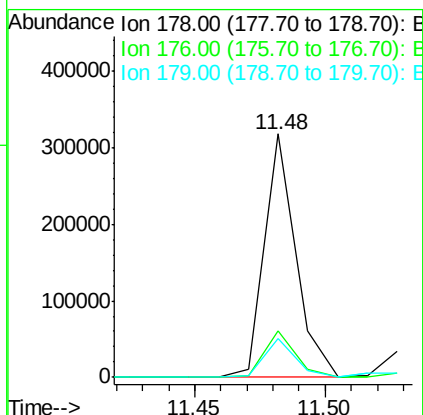
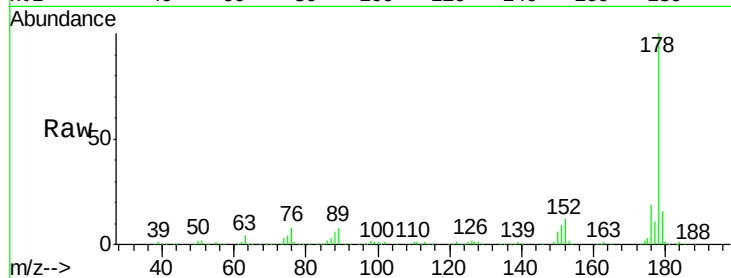
#70
Phenanthrene
Concen: 28.38 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF080667.D
Acq: 25 Jul 2015 13:14

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-ARE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.8	11.8	17.8

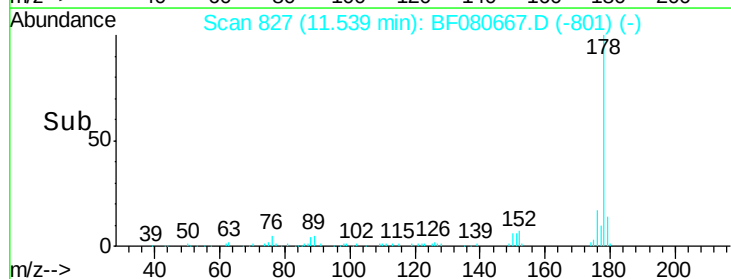
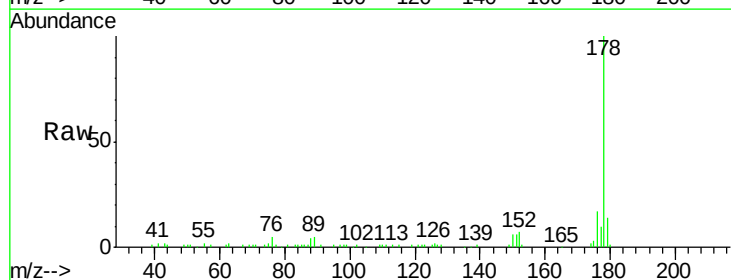
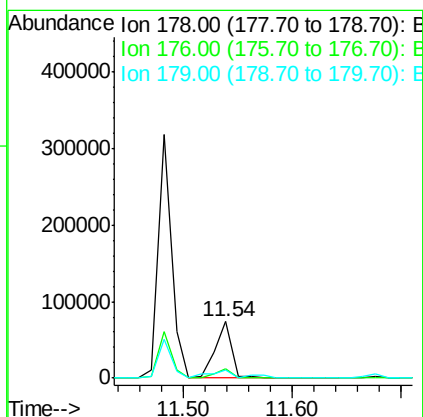
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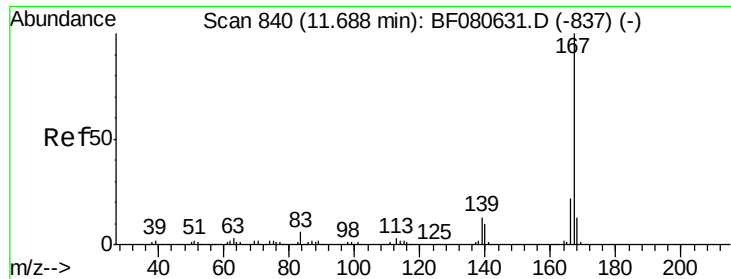
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#71
Anthracene
Concen: 8.80 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.00 min
Lab File: BF080667.D
Acq: 25 Jul 2015 13:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.0	22.6
179	14.4	12.1	18.1





#72

Carbazole

Concen: 4.17 ng

RT: 11.69 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF080667.D

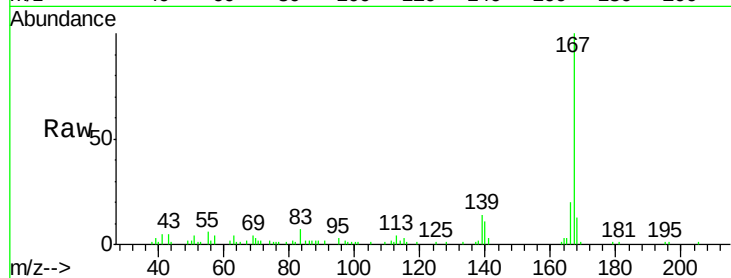
Acq: 25 Jul 2015 13:14

Instrument :

BNA_F

ClientSampleId :

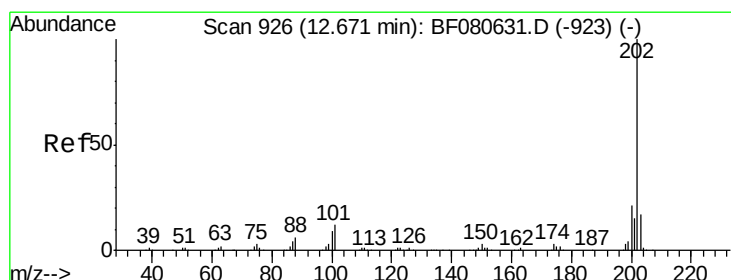
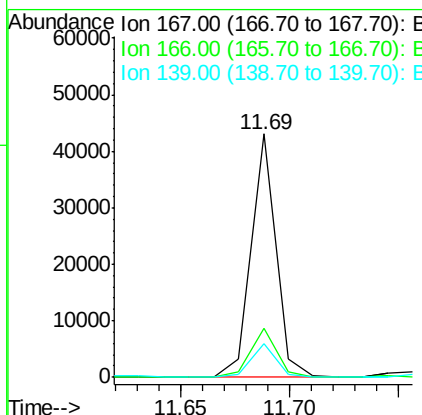
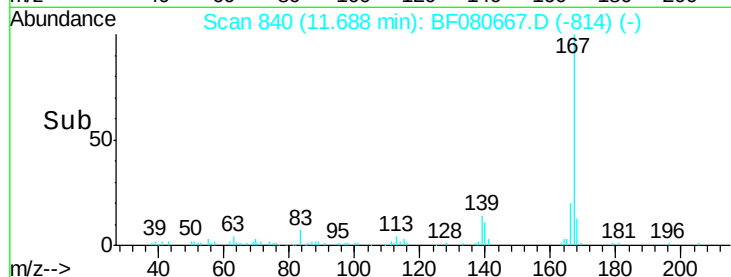
FK-SF-03-003-ARE



Tgt Ion:	167	Resp:	34331
Ion Ratio	Lower	Upper	
167	100		
166	20.3	17.9	26.9
139	13.7	10.6	15.8

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#74

Fluoranthene

Concen: 37.26 ng

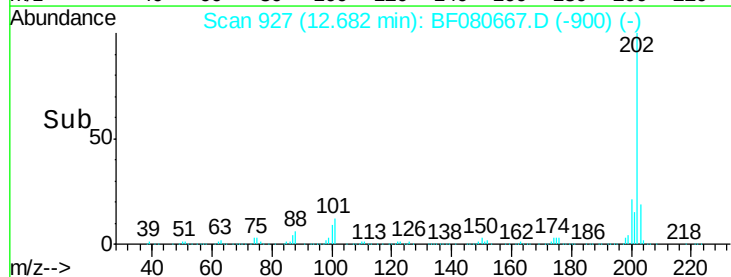
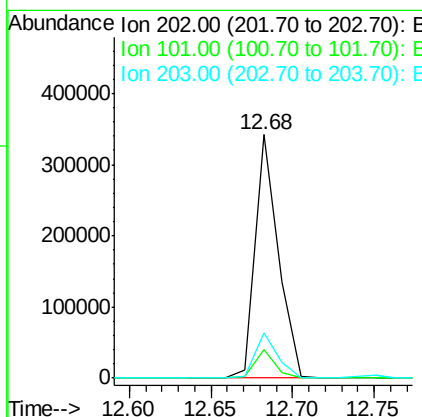
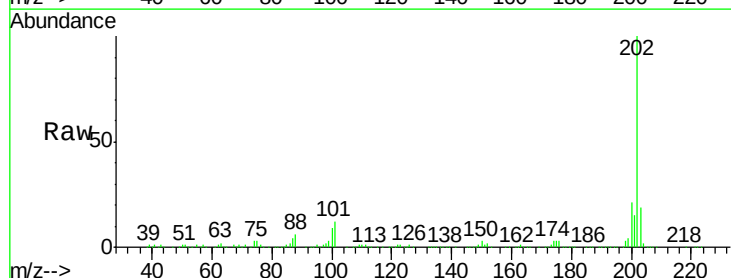
RT: 12.68 min Scan# 927

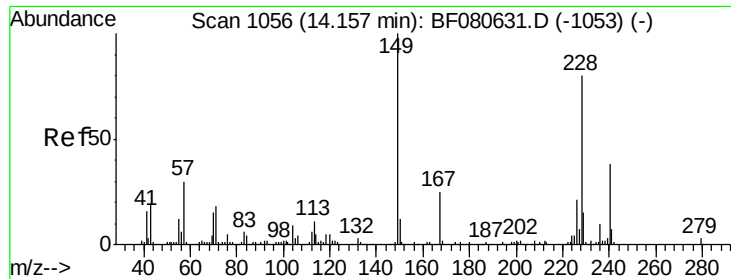
Delta R.T. 0.01 min

Lab File: BF080667.D

Acq: 25 Jul 2015 13:14

Tgt Ion:	202	Resp:	339583
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	32.0
203	18.6	0.0	37.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.24 min Scan# 1063

Delta R.T. 0.08 min

Lab File: BF080667.D

Acq: 25 Jul 2015 13:14

Instrument :

BNA_F

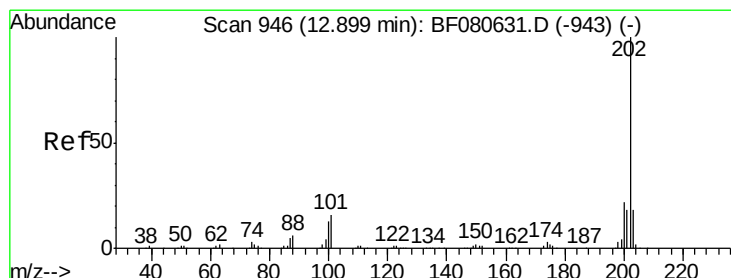
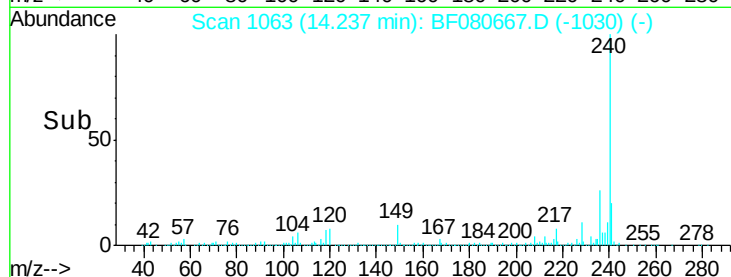
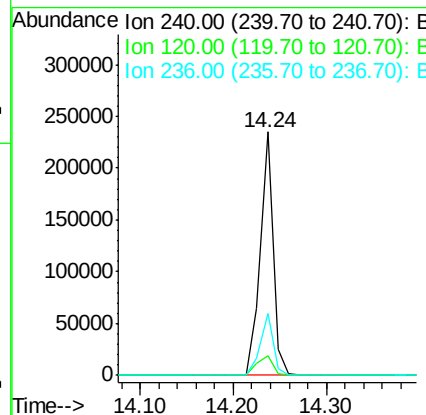
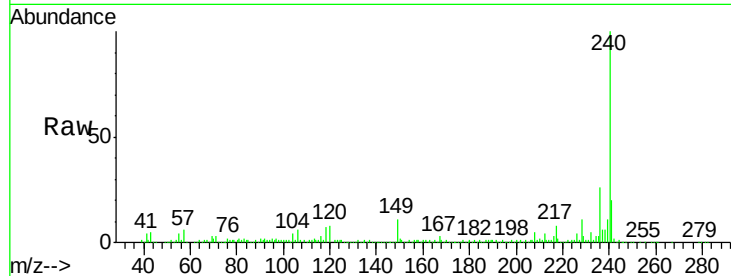
ClientSampleId :

FK-SF-03-003-ARE

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	227350		
120	8.0	10.8	16.2	
236	25.7	20.3	30.5	

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#77

Pyrene

Concen: 21.25 ng

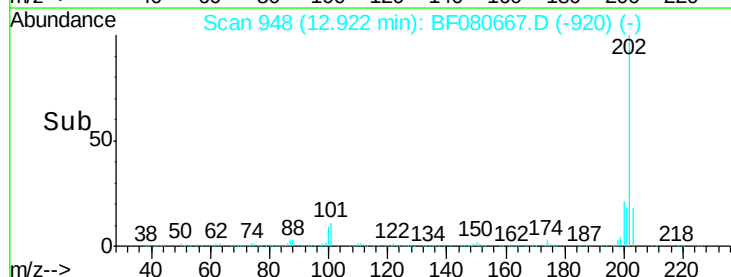
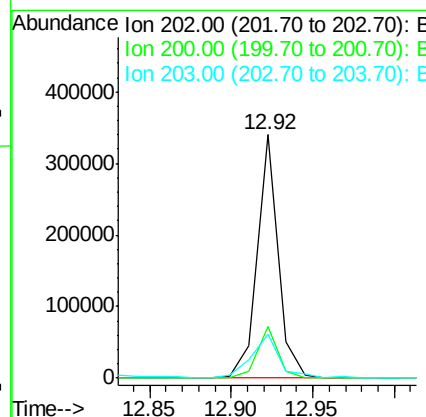
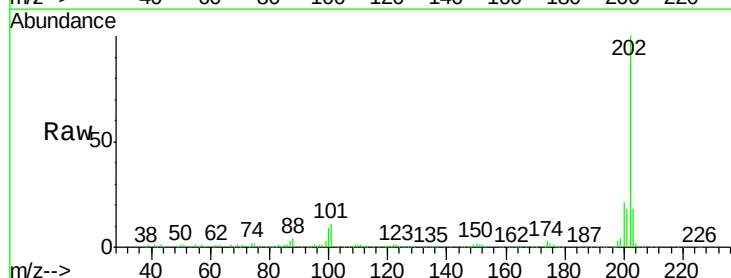
RT: 12.92 min Scan# 948

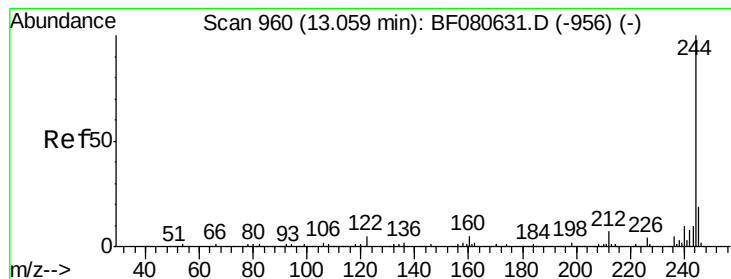
Delta R.T. 0.02 min

Lab File: BF080667.D

Acq: 25 Jul 2015 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	302551		
200	21.1	17.4	26.0	
203	18.2	14.6	22.0	





#78

Terphenyl-d14

Concen: 9.10 ng

RT: 13.07 min Scan# 961

Delta R.T. 0.01 min

Lab File: BF080667.D

Acq: 25 Jul 2015 13:14

Instrument :

BNA_F

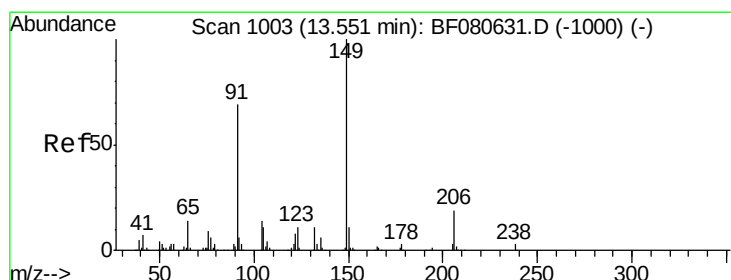
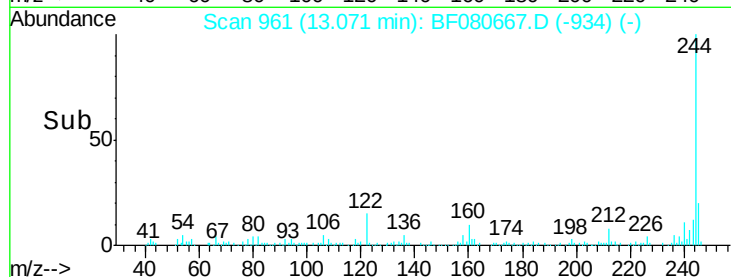
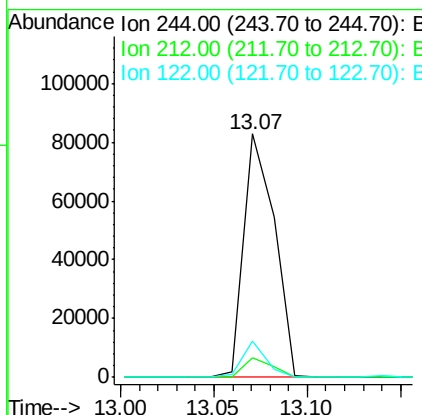
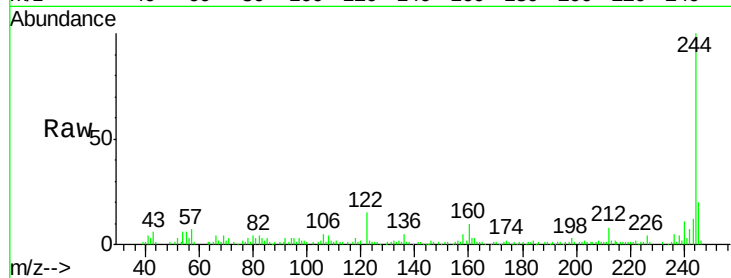
ClientSampleId :

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Tgt Ion:	244	Resp:	96036
Ion Ratio	Lower	Upper	
244	100		
212	8.0	5.2	7.8#
122	14.7	4.1	6.1#

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#79

Butylbenzylphthalate

Concen: 3.49 ng

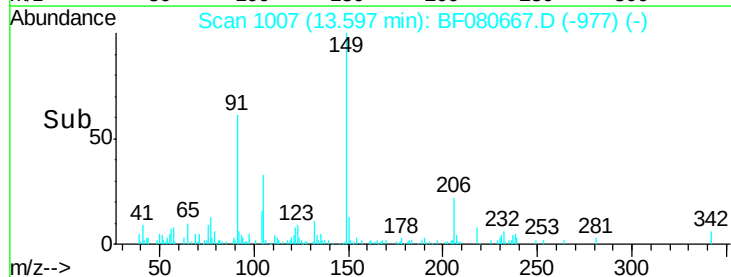
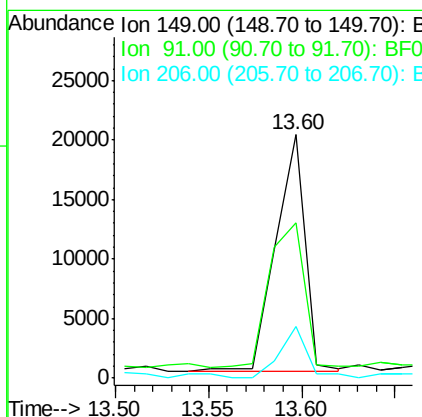
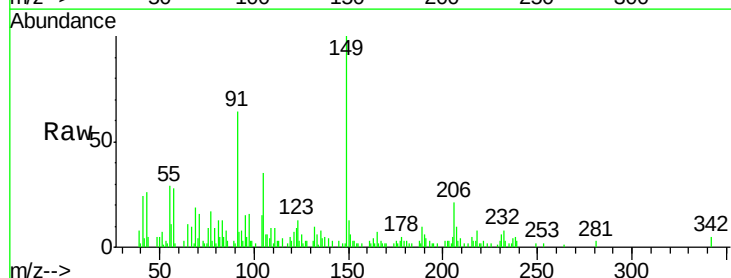
RT: 13.60 min Scan# 1007

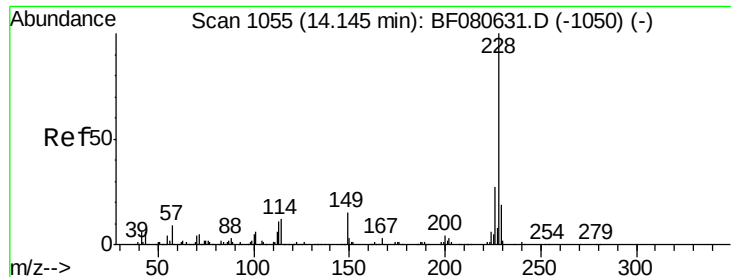
Delta R.T. 0.05 min

Lab File: BF080667.D

Acq: 25 Jul 2015 13:14

Tgt Ion:	149	Resp:	21520
Ion Ratio	Lower	Upper	
149	100		
91	63.7	55.0	82.4
206	21.3	15.0	22.6





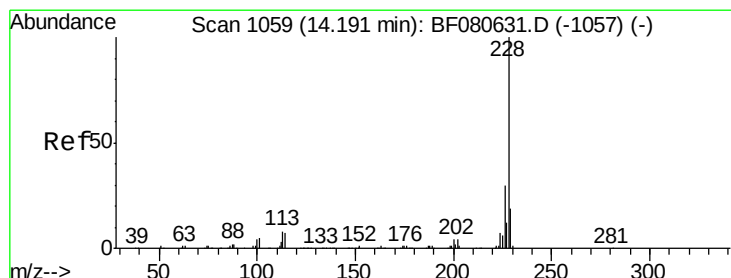
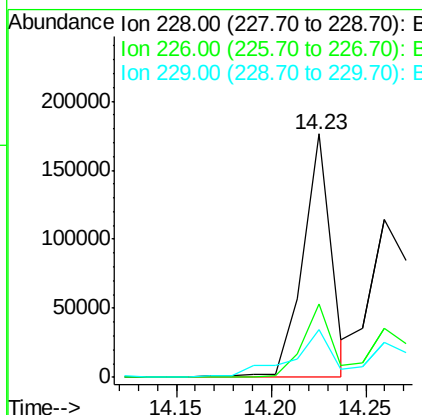
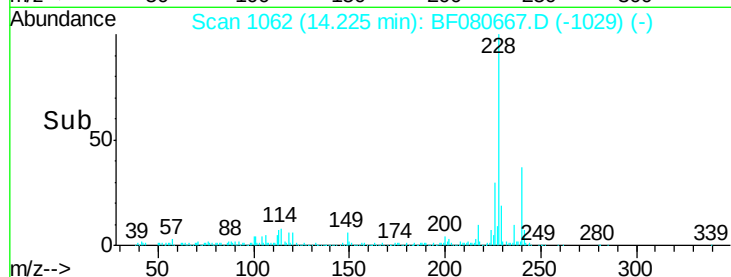
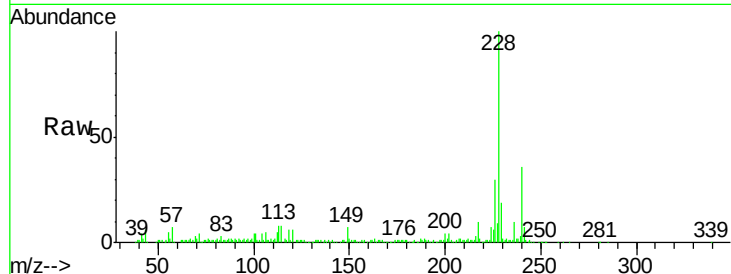
#80
Benzo(a)anthracene
Concen: 13.73 ng m
RT: 14.23 min Scan# 1062
Delta R.T. 0.08 min
Lab File: BF080667.D
Acq: 25 Jul 2015 13:14

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-ARE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.4	32.0
229	19.4	15.4	23.0

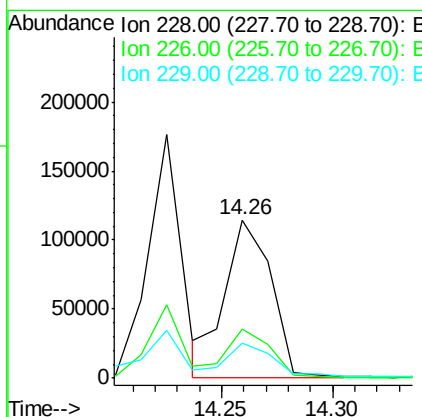
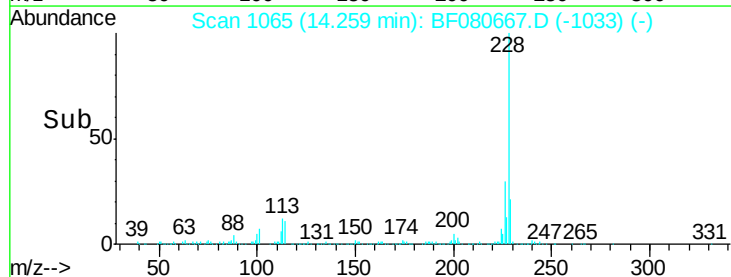
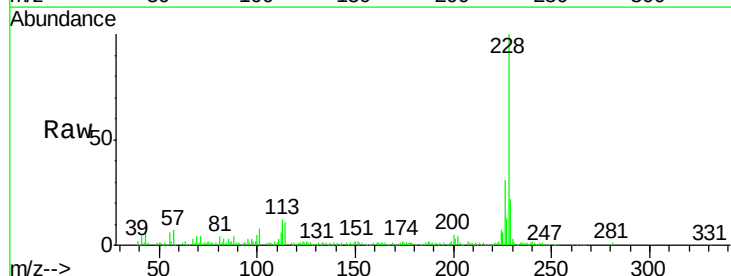
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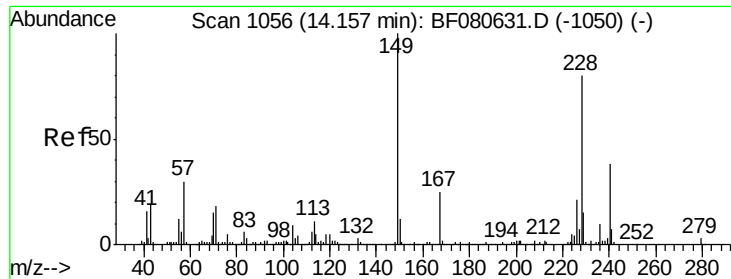
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#82
Chrysene
Concen: 13.28 ng m
RT: 14.26 min Scan# 1065
Delta R.T. 0.07 min
Lab File: BF080667.D
Acq: 25 Jul 2015 13:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.4
229	22.3	15.4	23.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.07 ng

RT: 14.24 min Scan# 1063

Delta R.T. 0.08 min

Lab File: BF080667.D

Acq: 25 Jul 2015 13:14

Instrument :

BNA_F

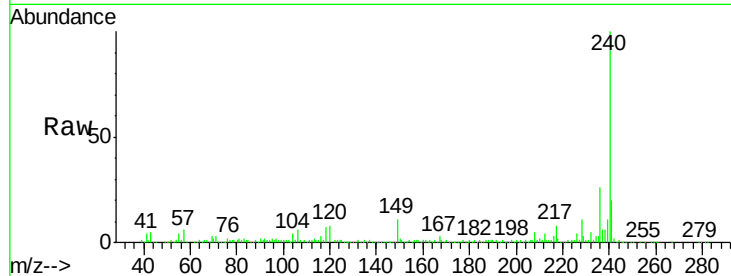
ClientSampleId :

FK-SF-03-003-ARE

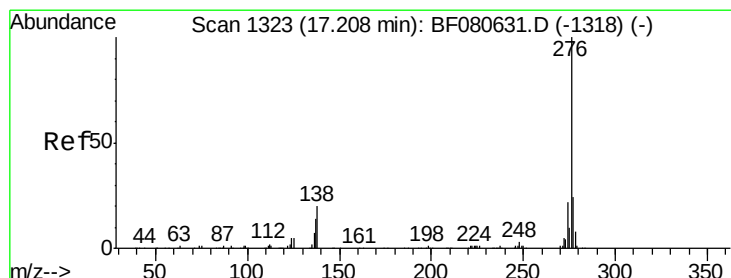
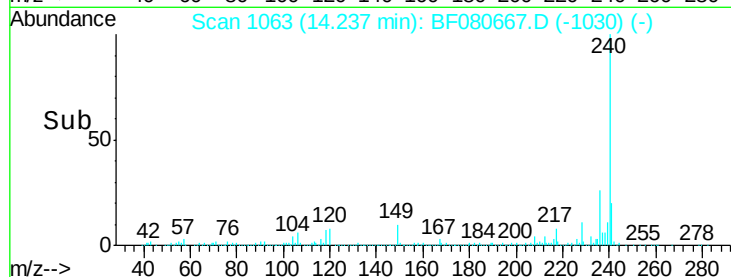
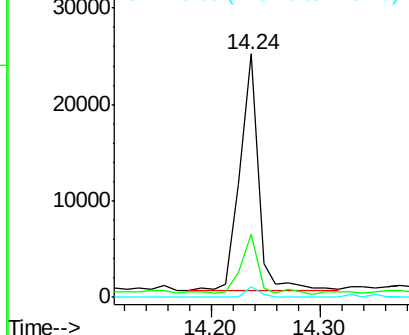
Tgt Ion:	149	Resp:	28520
Ion Ratio	Lower	Upper	
149	100		
167	26.1	19.7	29.5
279	4.3	2.2	3.4

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.26 ng

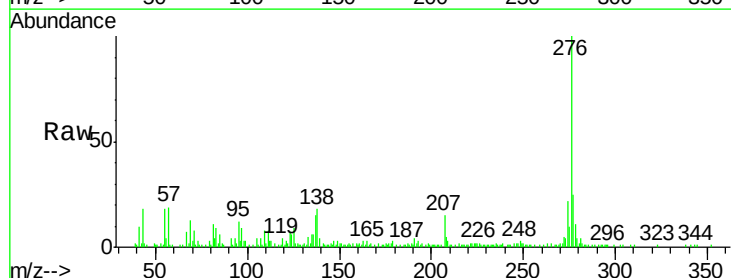
RT: 17.37 min Scan# 1337

Delta R.T. 0.16 min

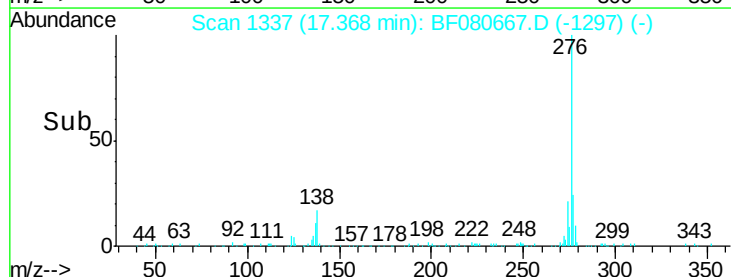
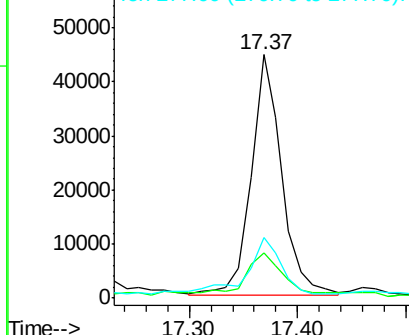
Lab File: BF080667.D

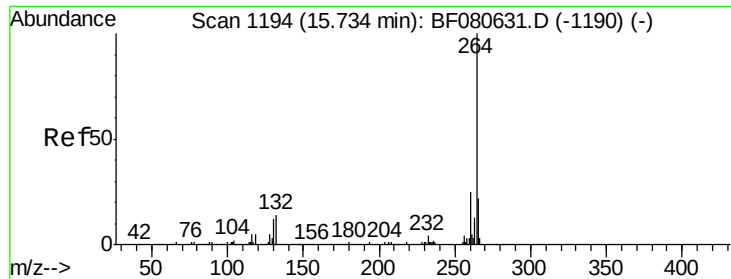
Acq: 25 Jul 2015 13:14

Tgt Ion:	276	Resp:	87010
Ion Ratio	Lower	Upper	
276	100		
138	18.5	17.5	26.3
277	29.1	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





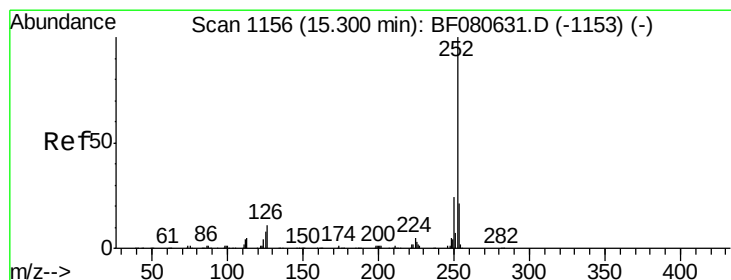
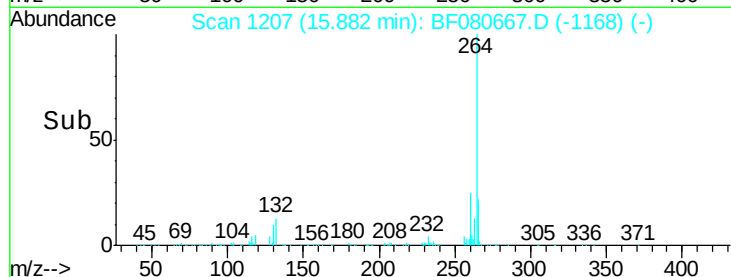
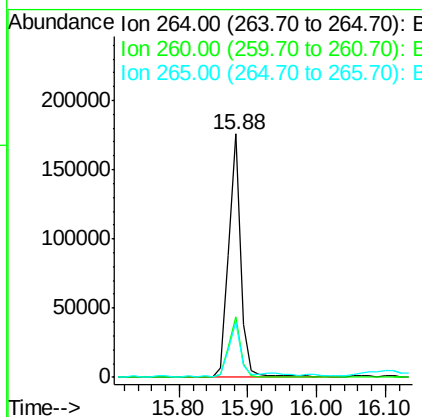
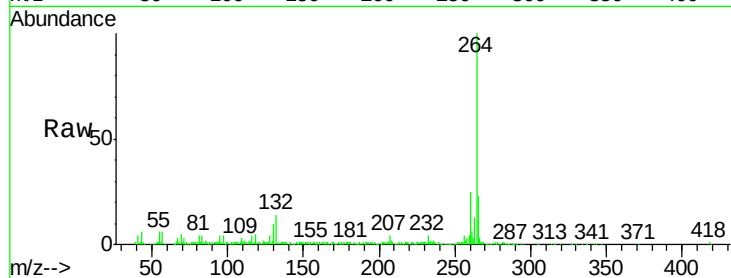
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.88 min Scan# 1207
 Delta R.T. 0.15 min
 Lab File: BF080667.D
 Acq: 25 Jul 2015 13:14

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-003-ARE

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	218651		
260	24.9	20.1	30.1	
265	22.6	17.4	26.0	

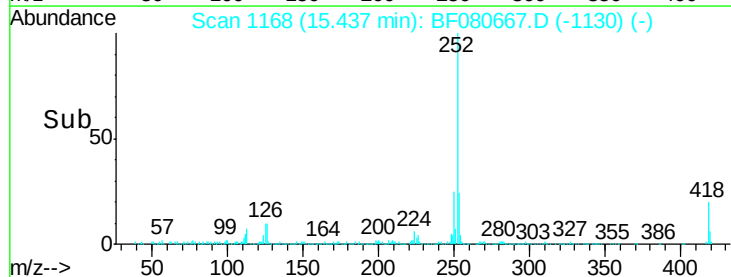
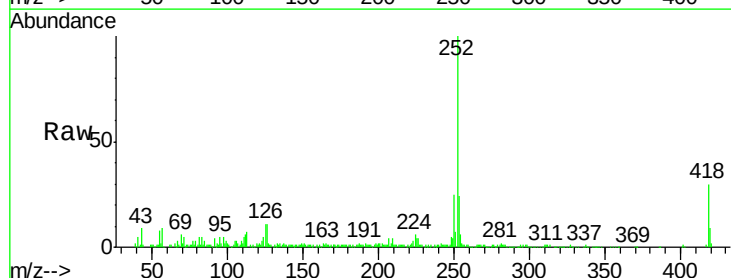
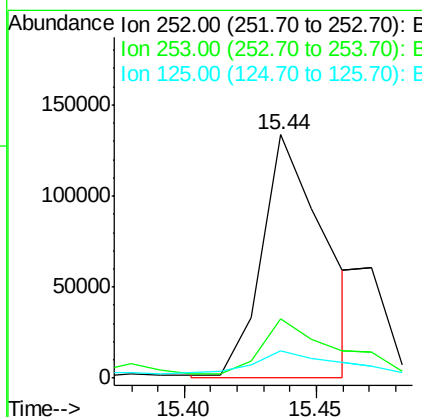
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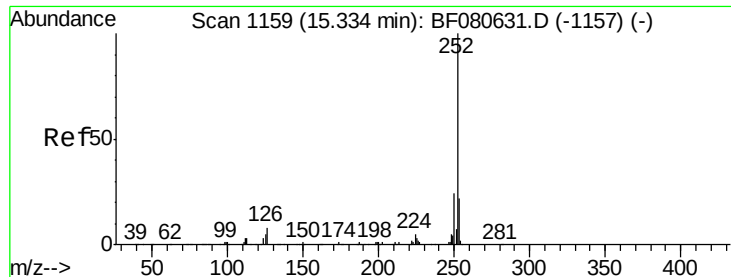
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#87
 Benzo(b)fluoranthene
 Concen: 16.60 ng m
 RT: 15.44 min Scan# 1168
 Delta R.T. 0.14 min
 Lab File: BF080667.D
 Acq: 25 Jul 2015 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	219995		
253	24.2	17.1	25.7	
125	11.0	6.5	9.7#	





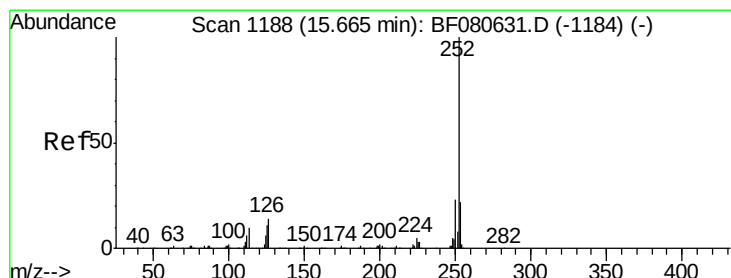
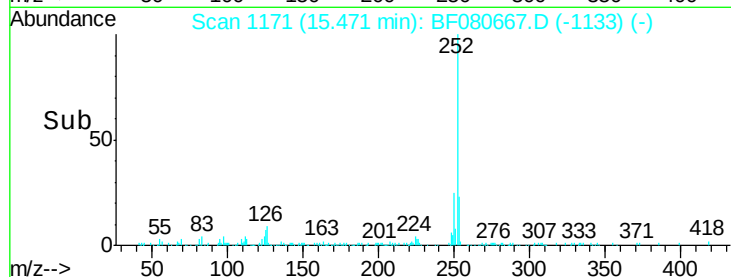
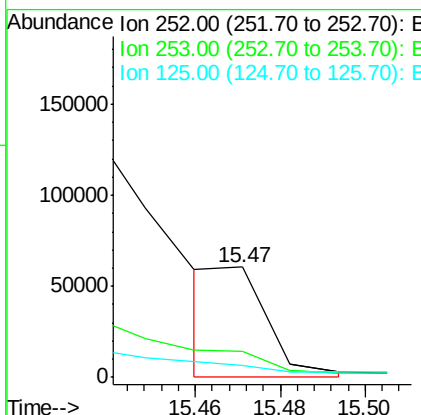
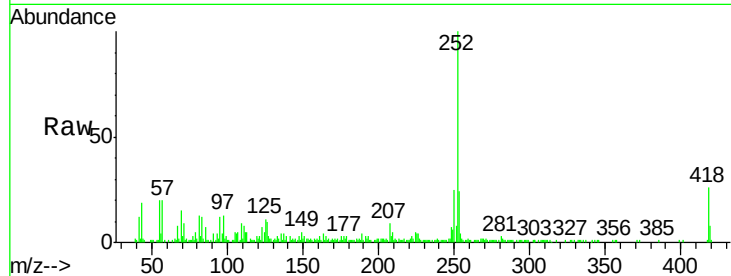
#88
Benzo(k)fluoranthene
Concen: 4.10 ng m
RT: 15.47 min Scan# 1171
Delta R.T. 0.14 min
Lab File: BF080667.D
Acq: 25 Jul 2015 13:14

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-ARE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	11.1	4.6	6.8

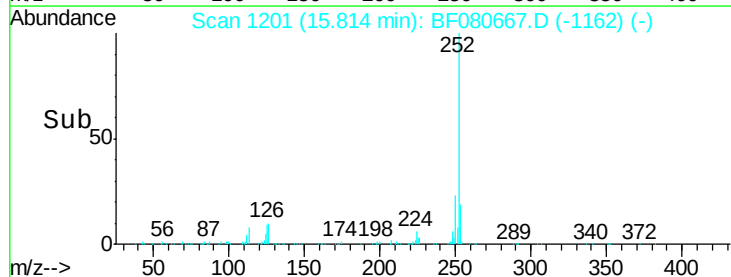
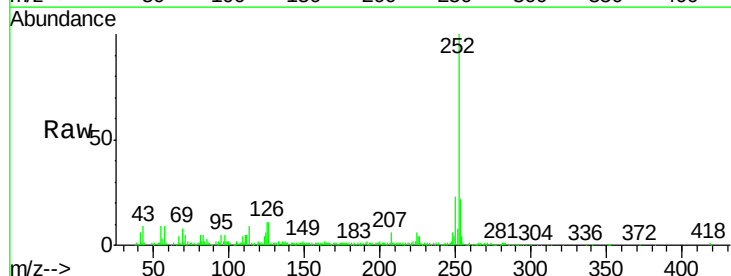
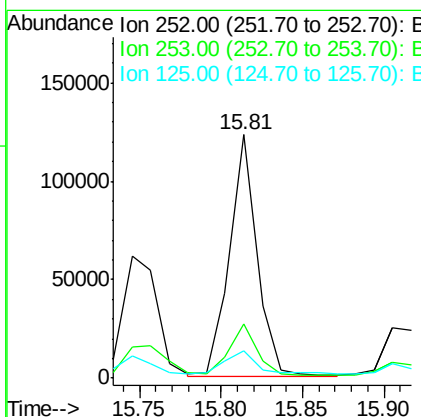
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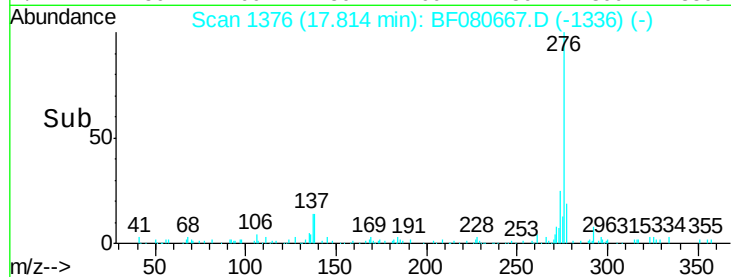
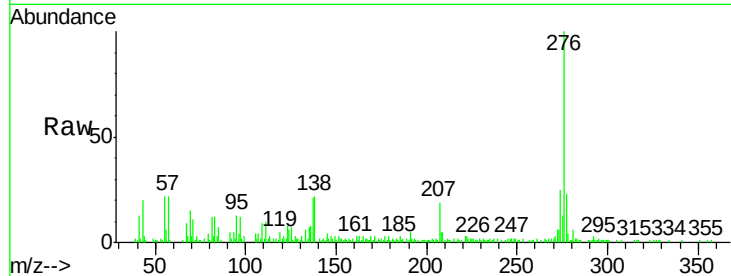
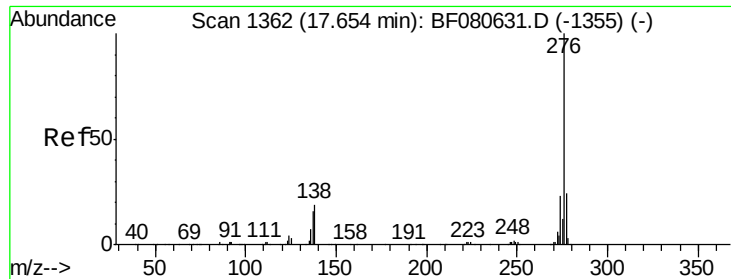
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#89
Benzo(a)pyrene
Concen: 12.07 ng
RT: 15.81 min Scan# 1201
Delta R.T. 0.15 min
Lab File: BF080667.D
Acq: 25 Jul 2015 13:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.2	9.1	13.7





#91

Benzo(g,h,i)perylene

Concen: 6.34 ng

RT: 17.81 min Scan# 1376

Delta R.T. 0.16 min

Lab File: BF080667.D

Acq: 25 Jul 2015 13:14

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-003-ARE

Tgt Ion:	276	Resp:	80796
Ion Ratio	Lower	Upper	
276	100		
277	23.0	19.0	28.4
138	22.4	14.8	22.2#

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