

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
 Data File : BF080668.D
 Acq On : 25 Jul 2015 13:43
 Operator : TP/UM
 Sample : G3057-03 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jul 27 03:01:14 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	42656	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	143086	20.00	ng	0.01
38) Acenaphthene-d10	9.97	164	69860	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	119226	20.00	ng	0.00
75) Chrysene-d12	14.33	240	207424	20.00	ng	0.17
86) Perylene-d12	16.05	264	215408	20.00	ng	0.32
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	28685	11.32	ng	0.01
7) Phenol-d6	6.54	99	67552	22.33	ng	0.00
23) Nitrobenzene-d5	7.49	82	38764	13.61	ng	0.00
41) 2,4,6-Tribromophenol	10.76	330	1850	2.95	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	67428	14.89	ng	0.00
78) Terphenyl-d14	13.11	244	78719	8.17	ng	0.05
Target Compounds						Qvalue
31) Naphthalene	8.24	128	19723	2.75	ng	96
49) Dimethylphthalate	9.69	163	10527	2.11	ng	# 94
51) Acenaphthene	10.01	154	20037	4.78	ng	97
54) Dibenzofuran	10.18	168	19770	3.30	ng	96
57) Fluorene	10.52	166	23569	5.00	ng	98
70) Phenanthrene	11.48	178	226927	34.48	ng	100
71) Anthracene	11.54	178	65126	10.26	ng	98
72) Carbazole	11.69	167	26484	4.61	ng	# 96
74) Fluoranthene	12.71	202	302833	47.61	ng	99
77) Pyrene	12.96	202	283158	21.80	ng	98
79) Butylbenzylphthalate	13.65	149	79146	14.09	ng	98
80) Benzo(a)anthracene	14.31	228	194206	15.96	ng	96
82) Chrysene	14.35	228	170824	14.98	ng	96
83) Bis(2-ethylhexyl)phthalate	14.33	149	19936	2.35	ng	97
85) Indeno(1,2,3-cd)pyrene	17.55	276	99753	9.37	ng	94
87) Benzo(b)fluoranthene	15.60	252	208493m	15.97	ng	
88) Benzo(k)fluoranthene	15.62	252	89017m	7.61	ng	
89) Benzo(a)pyrene	15.99	252	157529	13.41	ng	# 96
91) Benzo(g,h,i)perylene	18.01	276	89904	7.16	ng	98

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

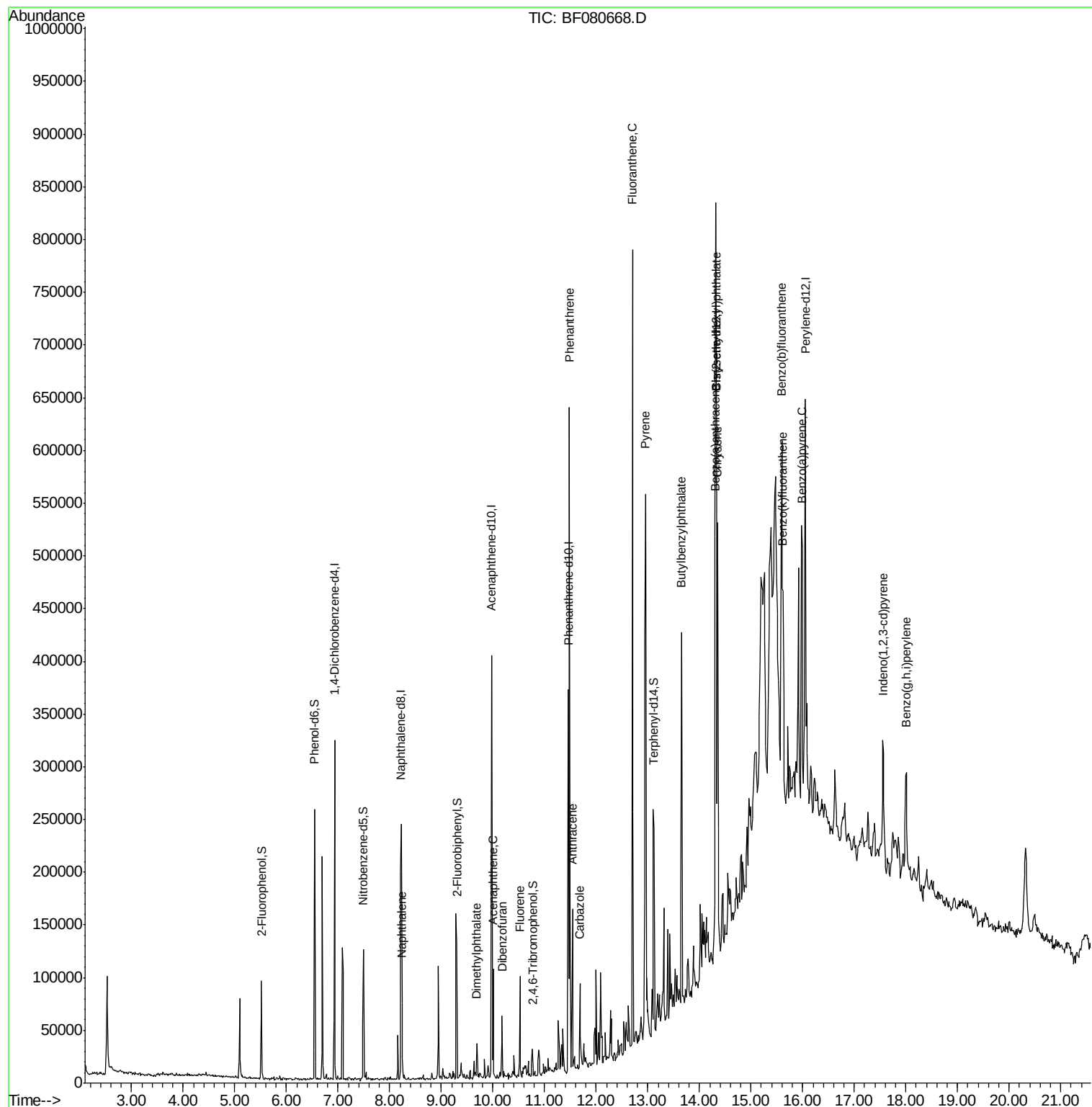
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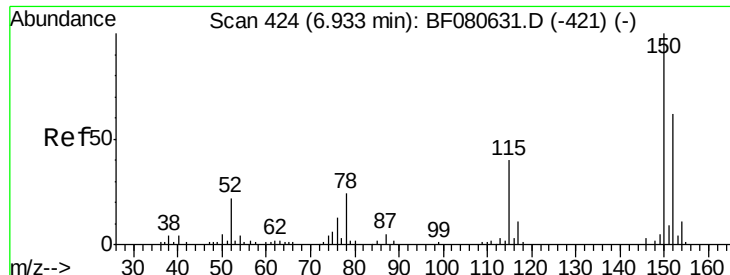
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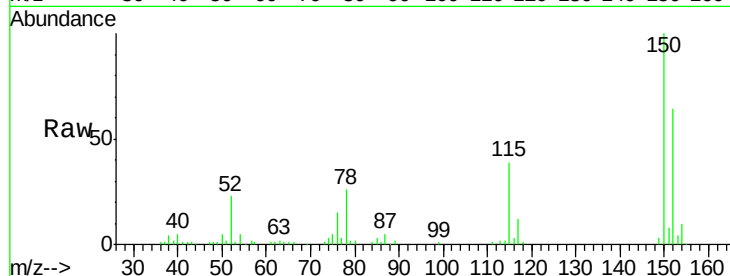




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 424
Delta R.T. 0.00 min
Lab File: BF080668.D
Acq: 25 Jul 2015 13:43

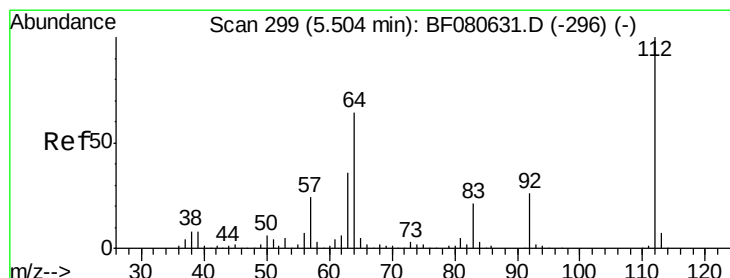
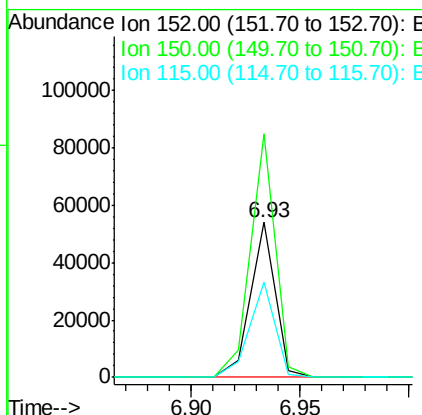
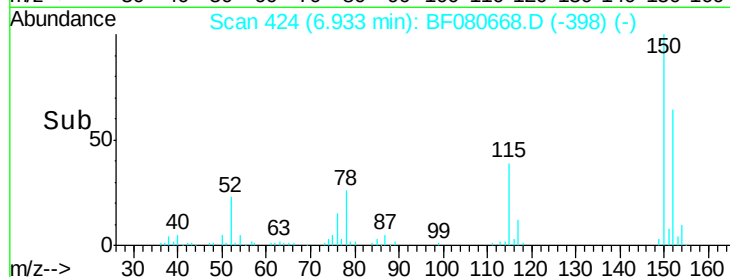
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-003-B



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.9	193.3
115	61.8	51.0	76.6

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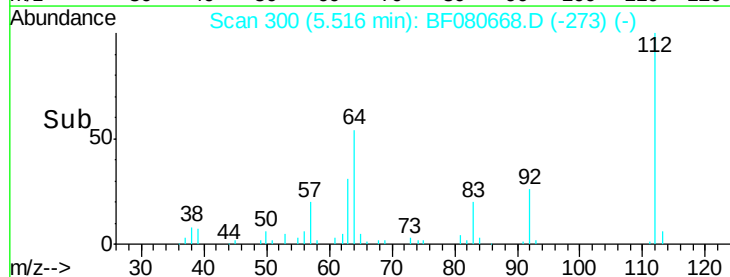
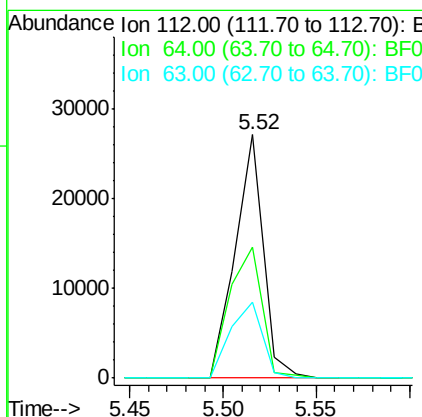
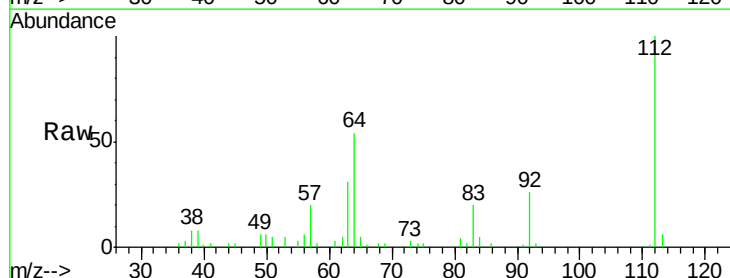
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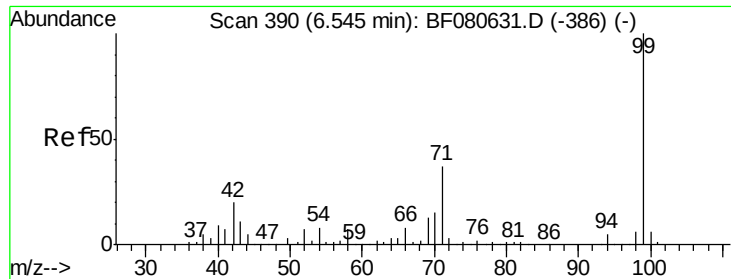


#5

2-Fluorophenol
Concen: 11.32 ng
RT: 5.52 min Scan# 300
Delta R.T. 0.01 min
Lab File: BF080668.D
Acq: 25 Jul 2015 13:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	51.2	76.8
63	31.1	29.0	43.6





#7

Phenol-d6

Concen: 22.33 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA_F

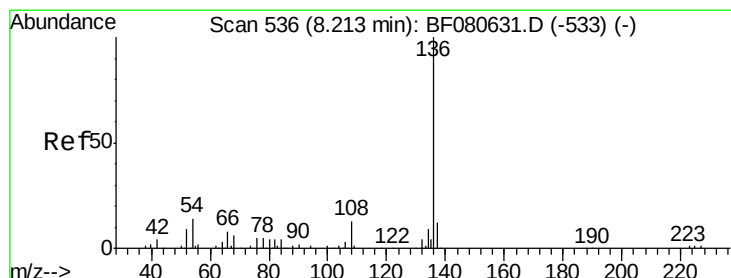
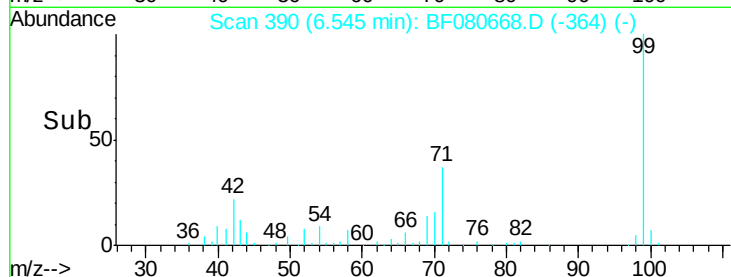
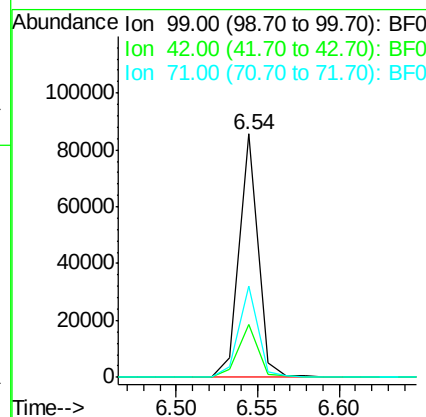
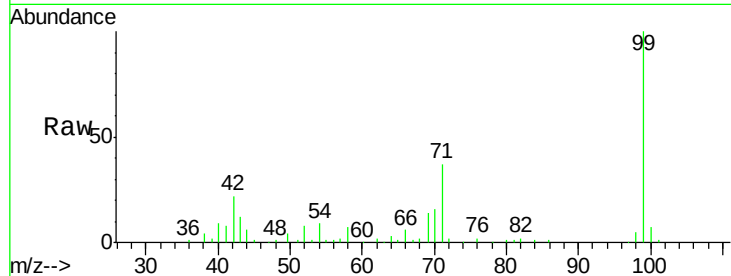
ClientSampleId :

FK-SF-03-003-B

Tgt Ion:	99	Resp:	67552
Ion Ratio	Lower	Upper	
99	100		
42	21.9	16.3	24.5
71	37.5	29.7	44.5

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#21

Naphthalene-d8

Concen: 20.00 ng

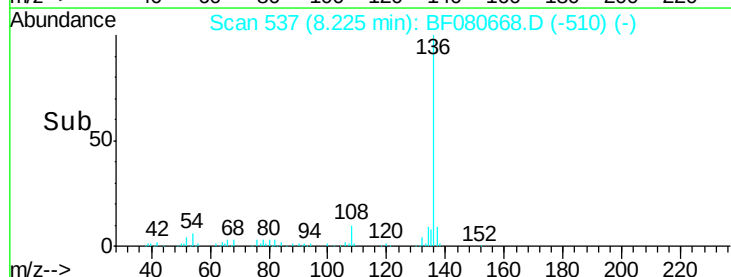
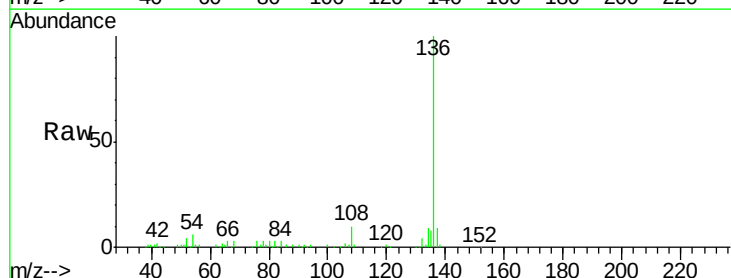
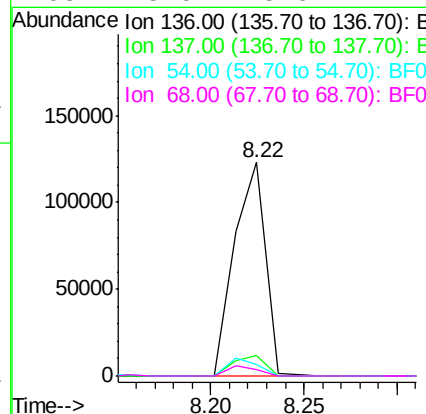
RT: 8.22 min Scan# 537

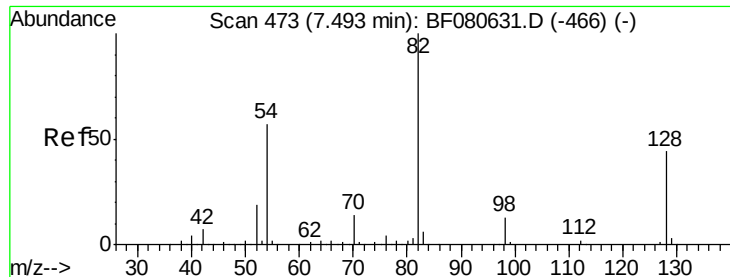
Delta R.T. 0.01 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Tgt Ion:	136	Resp:	143086
Ion Ratio	Lower	Upper	
136	100		
137	9.5	9.3	13.9
54	5.6	11.6	17.4#
68	3.0	5.0	7.4#





#23

Nitrobenzene-d5

Concen: 13.61 ng

RT: 7.49 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA_F

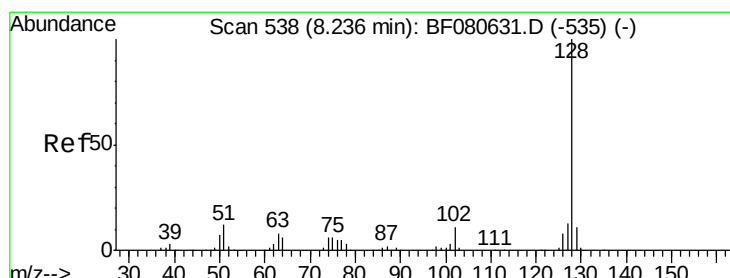
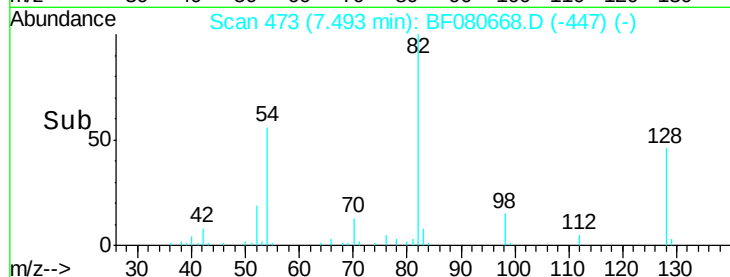
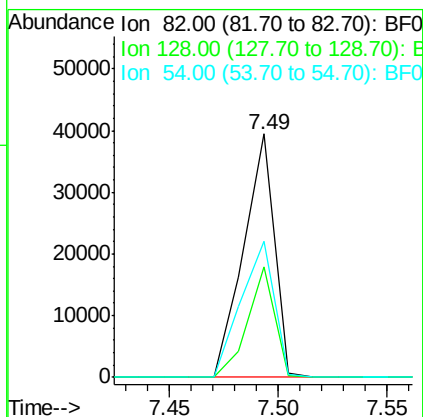
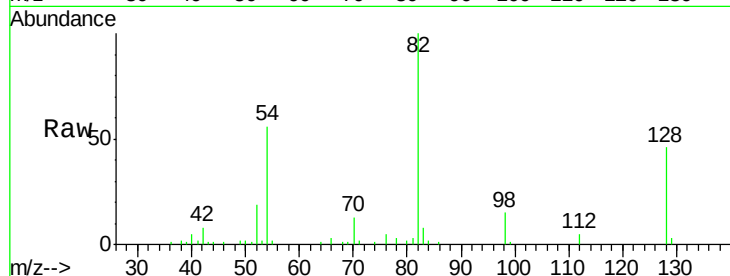
ClientSampleId :

FK-SF-03-003-B

Tgt Ion:	82	Resp:	38764
Ion Ratio	Lower	Upper	
82	100		
128	45.6	34.8	52.2
54	55.7	45.4	68.0

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#31

Naphthalene

Concen: 2.75 ng

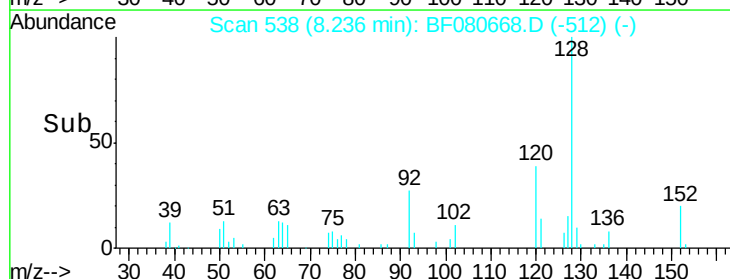
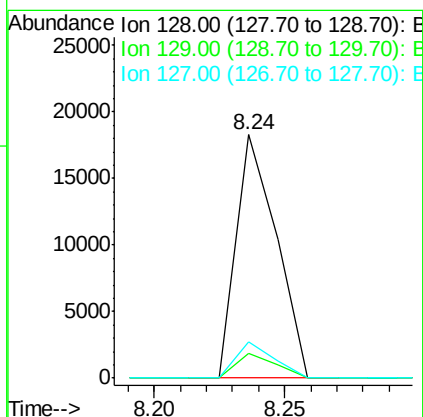
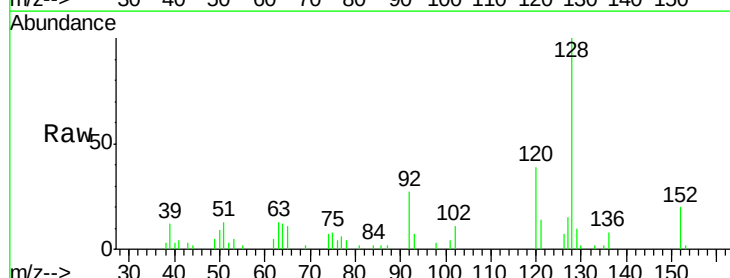
RT: 8.24 min Scan# 538

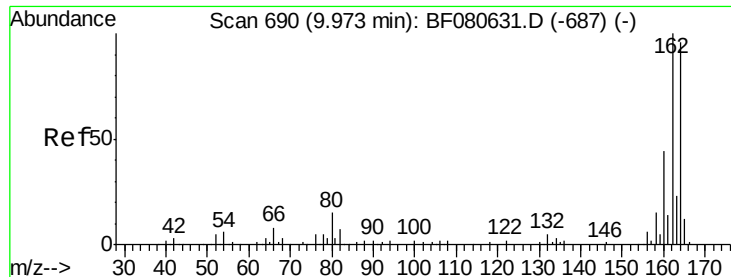
Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Tgt Ion:	128	Resp:	19723
Ion Ratio	Lower	Upper	
128	100		
129	9.9	9.0	13.6
127	14.8	10.6	15.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA_F

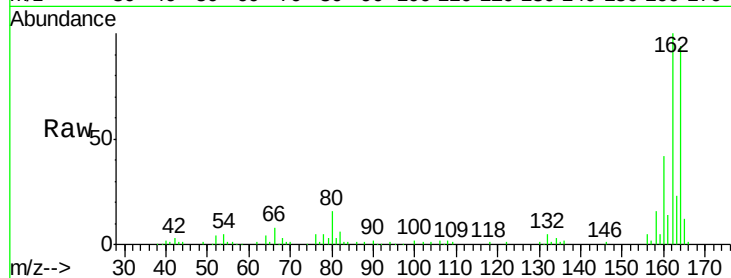
ClientSampleId :

FK-SF-03-003-B

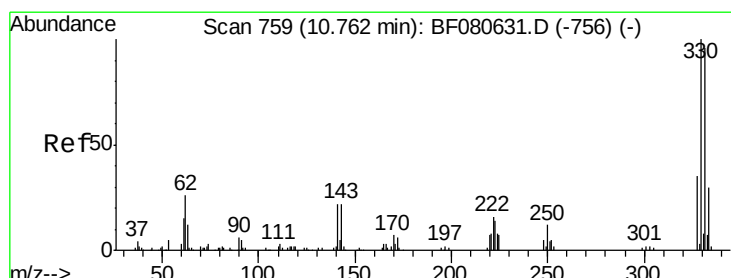
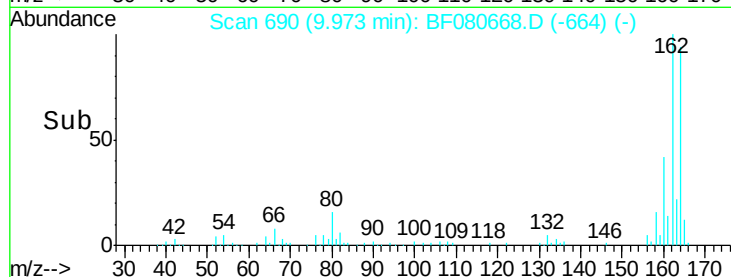
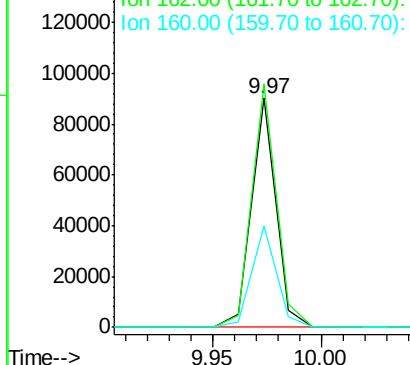
Tgt Ion:	164	Resp:	69860
Ion Ratio	Lower	Upper	
164	100		
162	106.3	83.3	124.9
160	44.3	36.9	55.3

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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: 2.95 ng

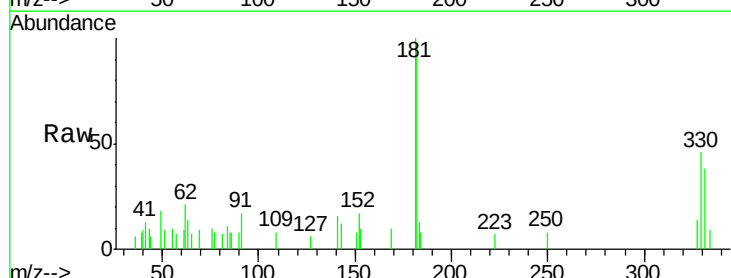
RT: 10.76 min Scan# 759

Delta R.T. 0.00 min

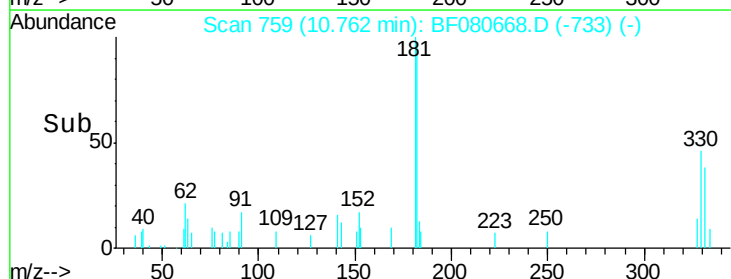
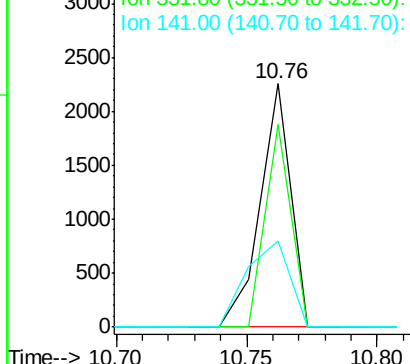
Lab File: BF080668.D

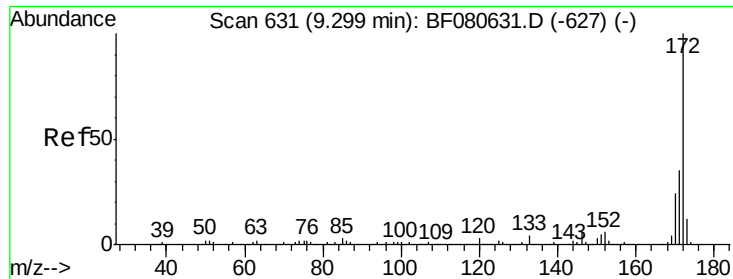
Acq: 25 Jul 2015 13:43

Tgt Ion:	330	Resp:	1850
Ion Ratio	Lower	Upper	
330	100		
332	69.7	76.7	115.1#
141	50.3	32.7	49.1#



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





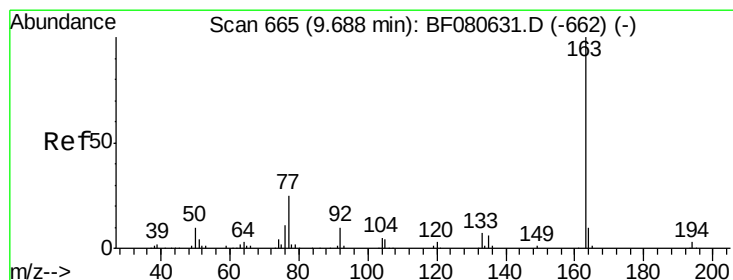
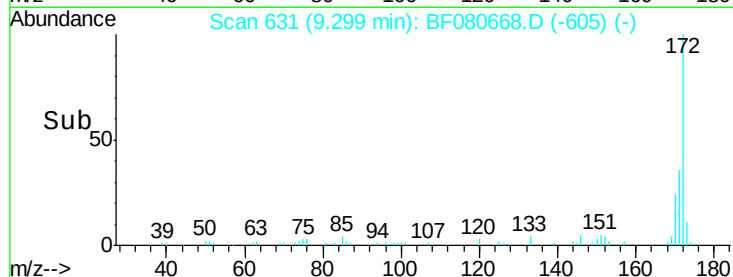
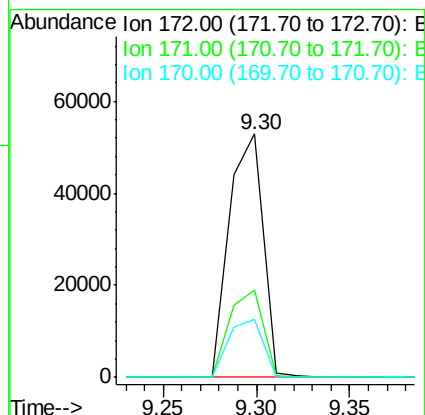
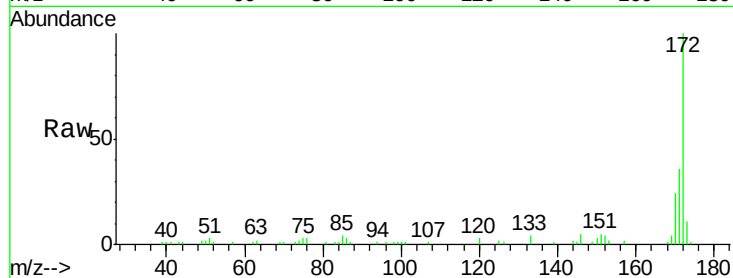
#44
2-Fluorobiphenyl
Concen: 14.89 ng
RT: 9.30 min Scan# 631
Delta R.T. 0.00 min
Lab File: BF080668.D
Acq: 25 Jul 2015 13:43

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.7	41.5
170	23.9	19.0	28.4

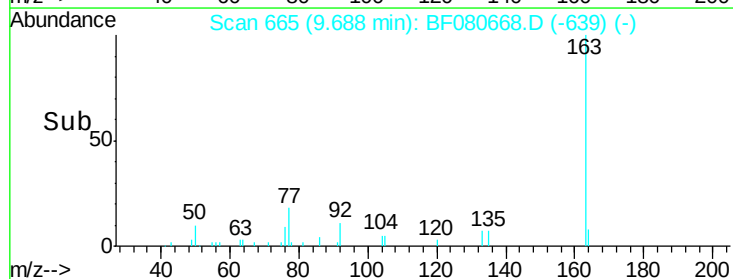
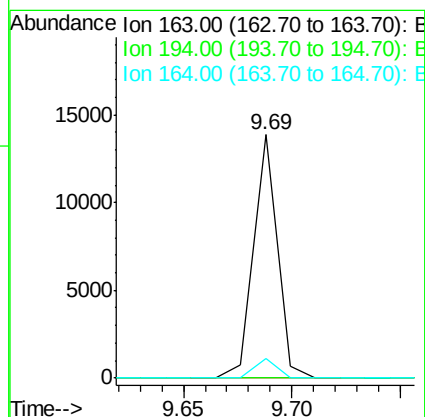
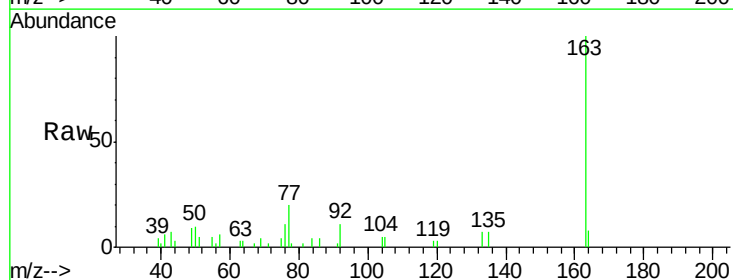
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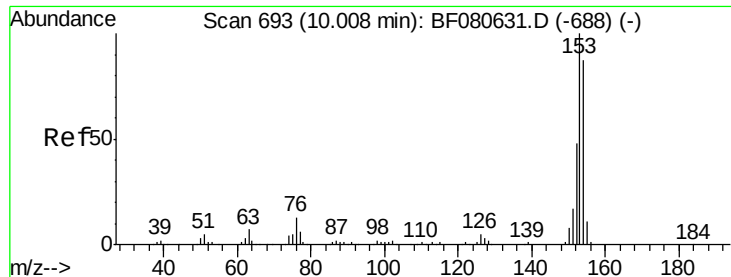
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#49
Dimethylphthalate
Concen: 2.11 ng
RT: 9.69 min Scan# 665
Delta R.T. 0.00 min
Lab File: BF080668.D
Acq: 25 Jul 2015 13:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	0.0	2.5	3.7#
164	7.9	8.0	12.0#





#51

Acenaphthene

Concen: 4.78 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF080668.D

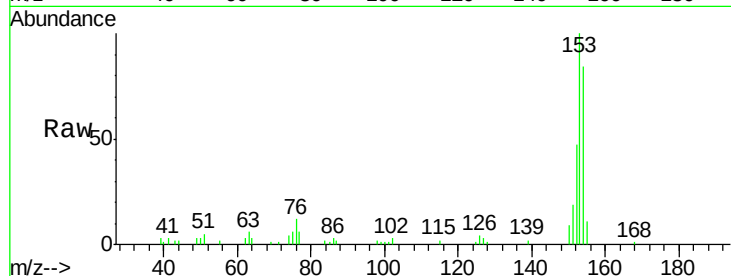
Acq: 25 Jul 2015 13:43

Instrument :

BNA_F

ClientSampleId :

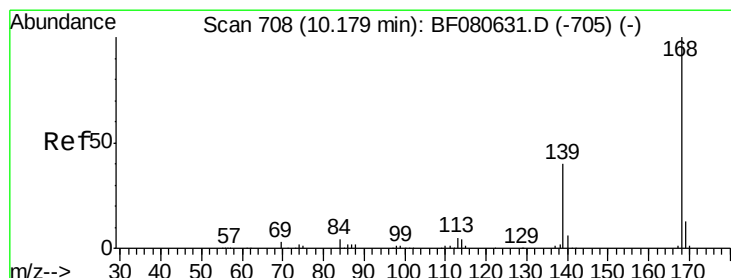
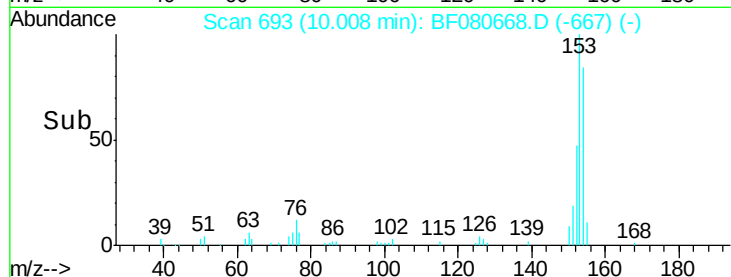
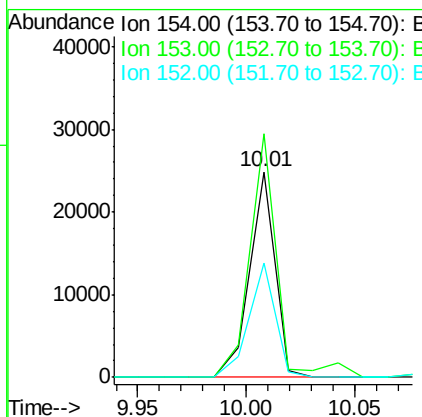
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Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.5	91.6	137.4
152	55.5	44.0	66.0

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#54

Dibenzofuran

Concen: 3.30 ng

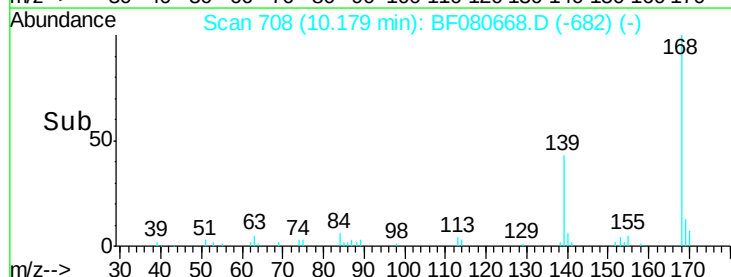
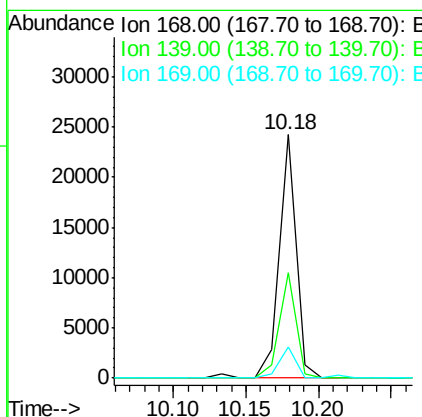
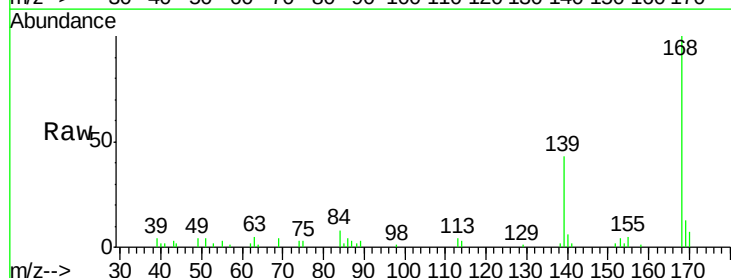
RT: 10.18 min Scan# 708

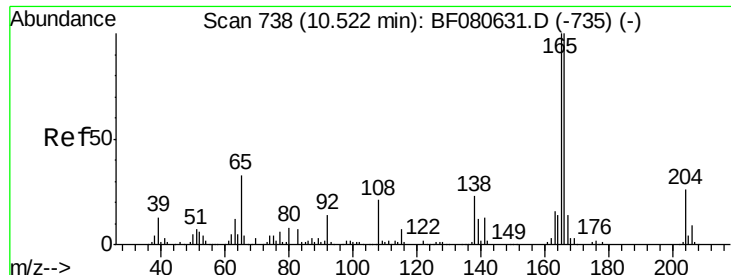
Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Tgt Ion	Ratio	Lower	Upper
168	100		
139	43.3	32.2	48.4
169	12.9	10.2	15.2





#57

Fluorene

Concen: 5.00 ng

RT: 10.52 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA_F

ClientSampleId :

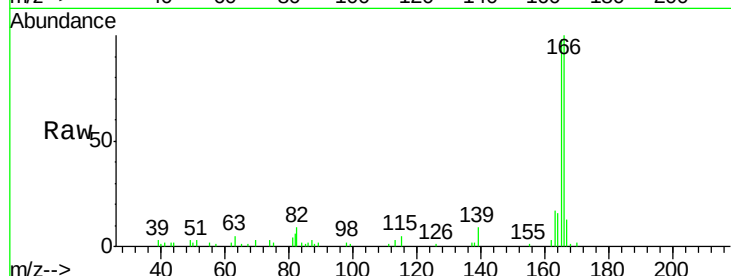
FK-SF-03-003-B

Tgt Ion:	166	Resp:	23569
Ion Ratio	Lower	Upper	
166	100		
165	97.9	80.0	120.0
167	12.9	10.8	16.2

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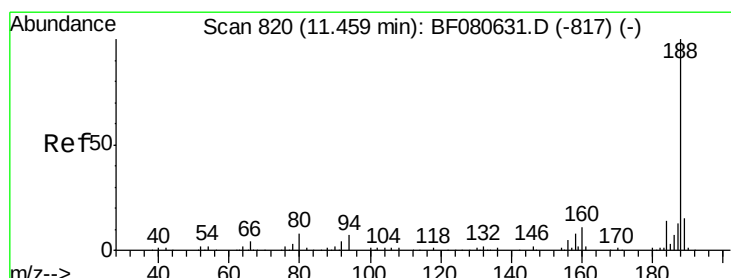
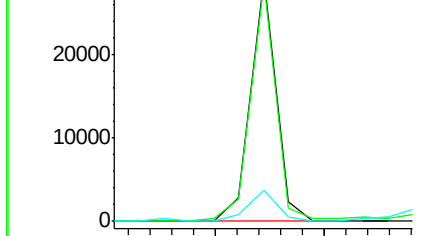
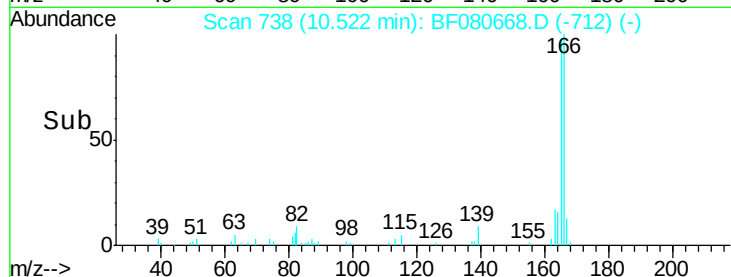


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

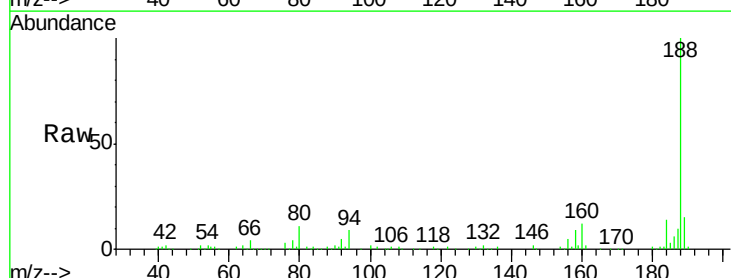
RT: 11.46 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Tgt Ion:	188	Resp:	119226
Ion Ratio	Lower	Upper	
188	100		
94	9.1	5.6	8.4#
80	10.6	6.1	9.1#

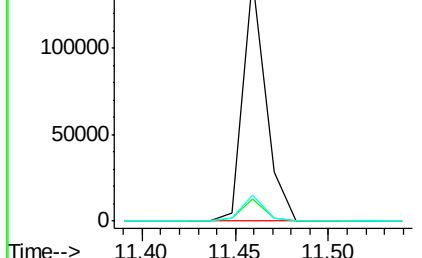
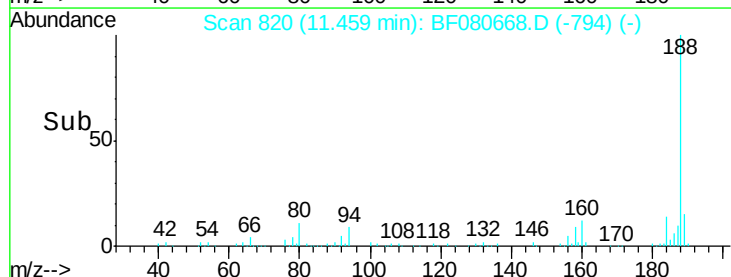


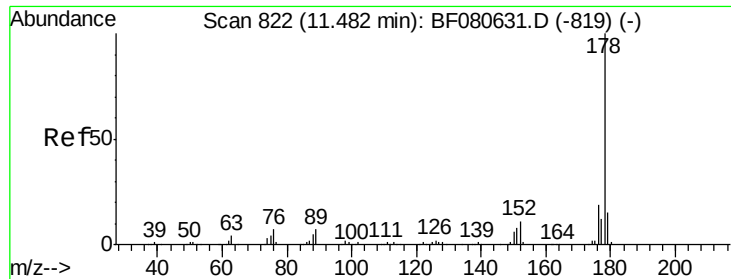
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->





#70

Phenanthrene

Concen: 34.48 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA_F

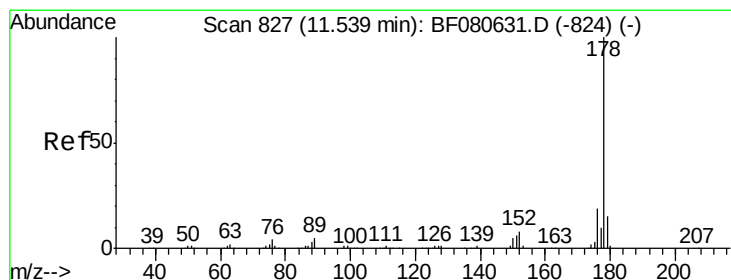
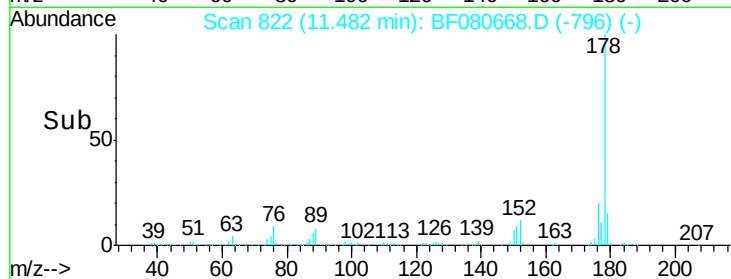
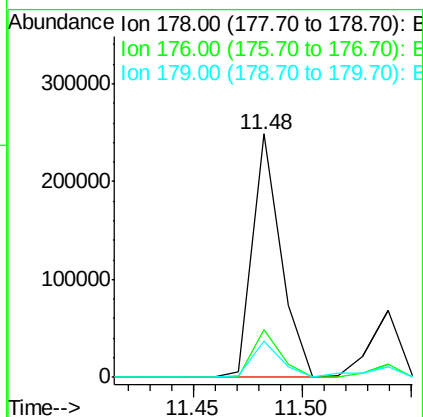
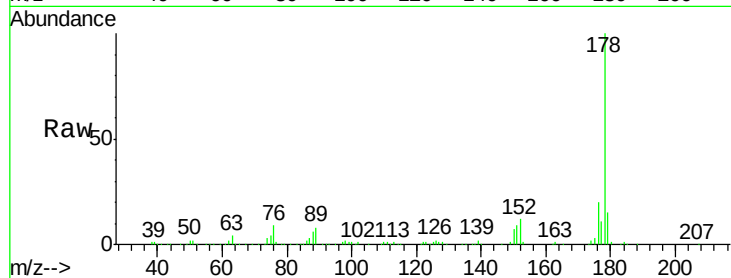
ClientSampleId :

FK-SF-03-003-B

Tgt Ion:	178	Resp:	226927
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.5	23.3
179	15.0	11.8	17.8

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#71

Anthracene

Concen: 10.26 ng

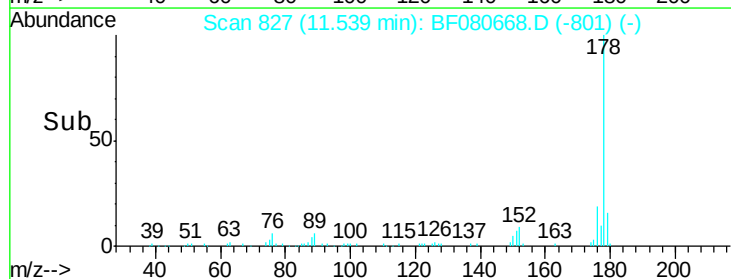
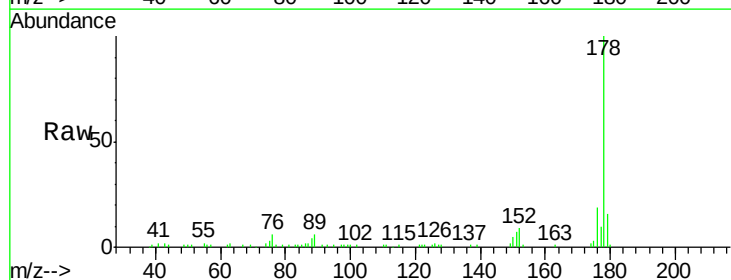
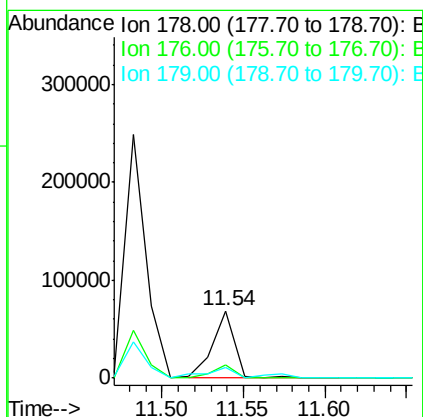
RT: 11.54 min Scan# 827

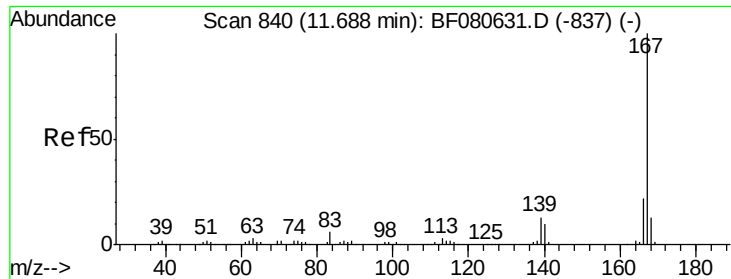
Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Tgt Ion:	178	Resp:	65126
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.0	22.6
179	16.2	12.1	18.1





#72

Carbazole

Concen: 4.61 ng

RT: 11.69 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF080668.D

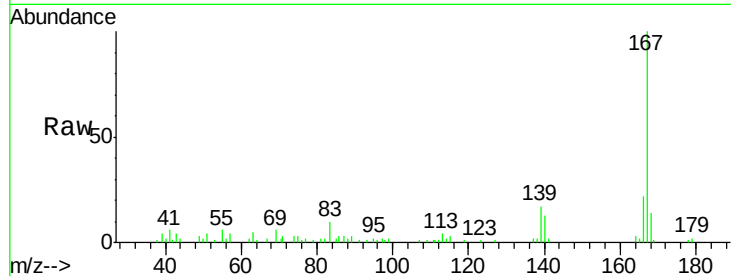
Acq: 25 Jul 2015 13:43

Instrument :

BNA_F

ClientSampleId :

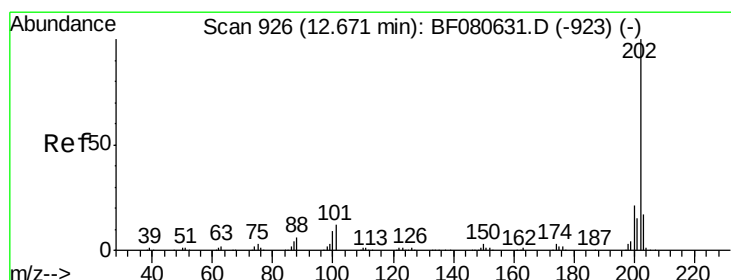
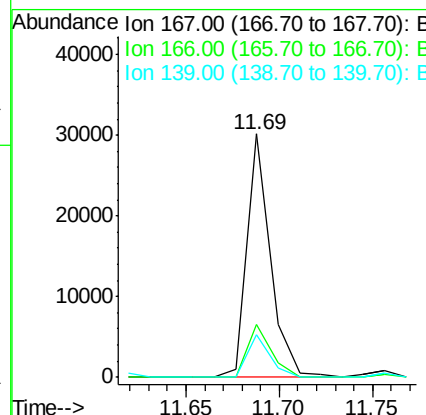
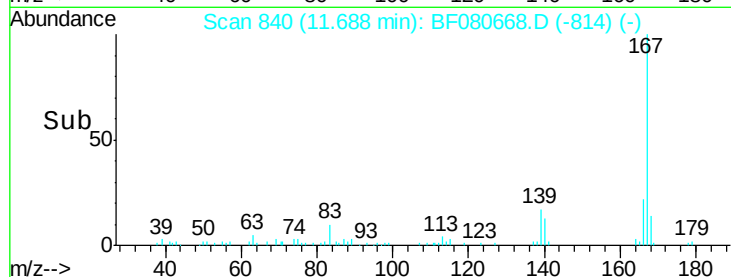
FK-SF-03-003-B



Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.9	26.9
139	17.3	10.6	15.8

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#74

Fluoranthene

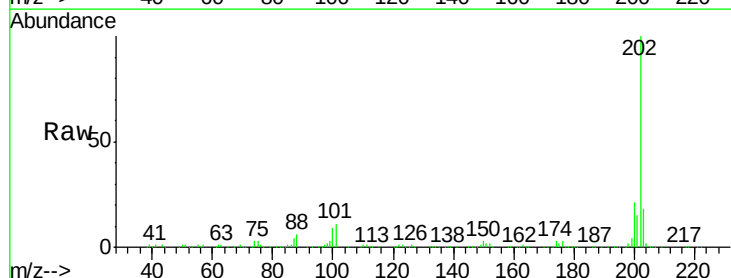
Concen: 47.61 ng

RT: 12.71 min Scan# 929

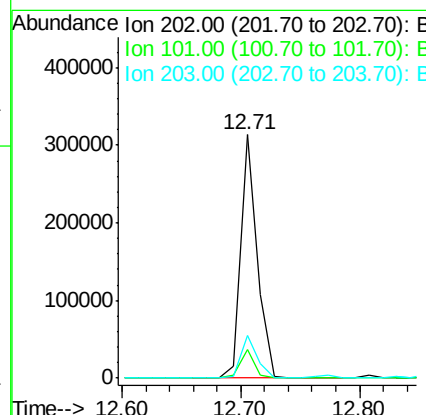
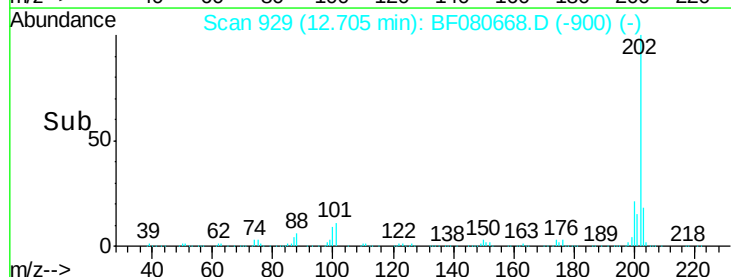
Delta R.T. 0.03 min

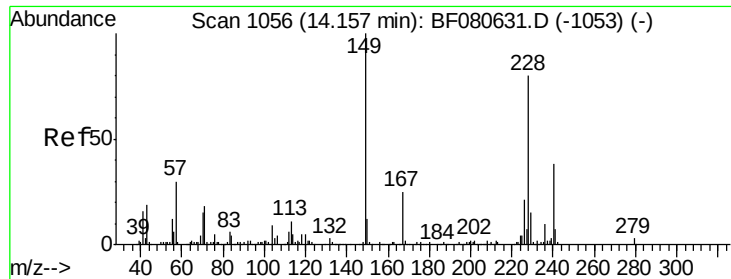
Lab File: BF080668.D

Acq: 25 Jul 2015 13:43



Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.0
203	17.6	0.0	37.0





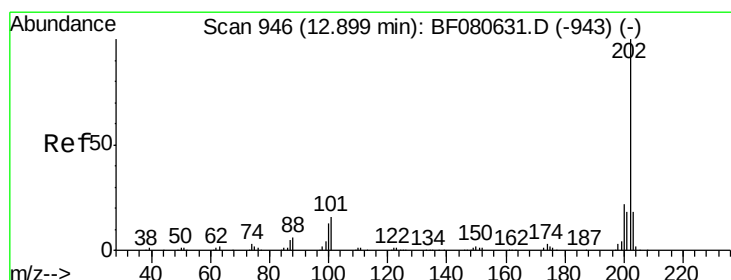
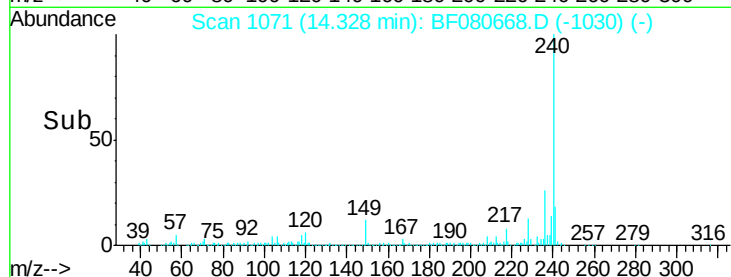
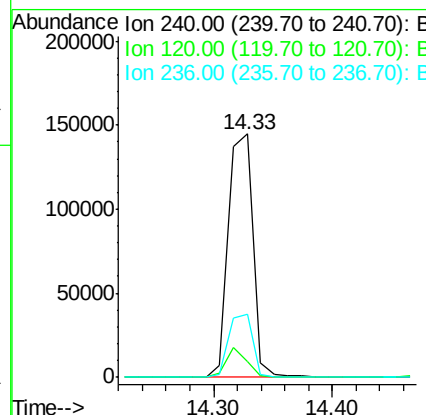
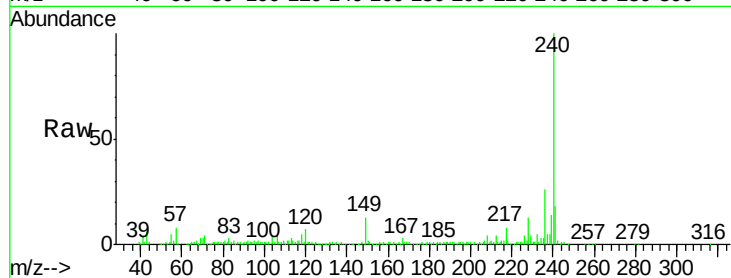
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.33 min Scan# 1071
Delta R.T. 0.17 min
Lab File: BF080668.D
Acq: 25 Jul 2015 13:43

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

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	207424		
120	6.6	10.8	16.2	
236	25.9	20.3	30.5	

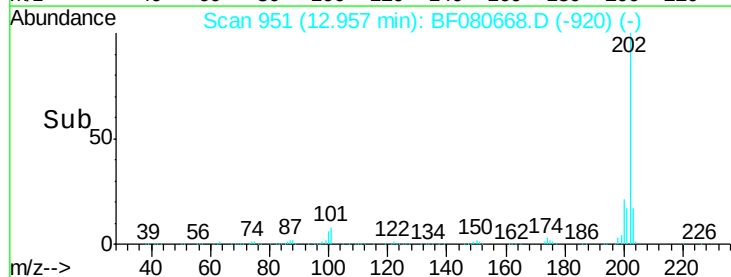
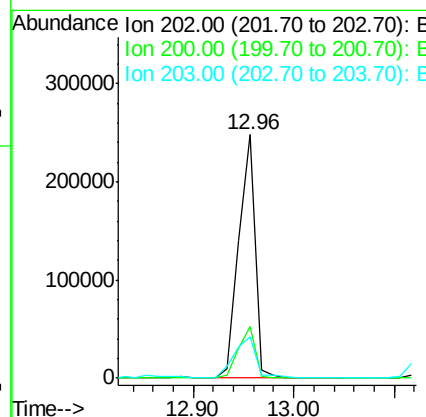
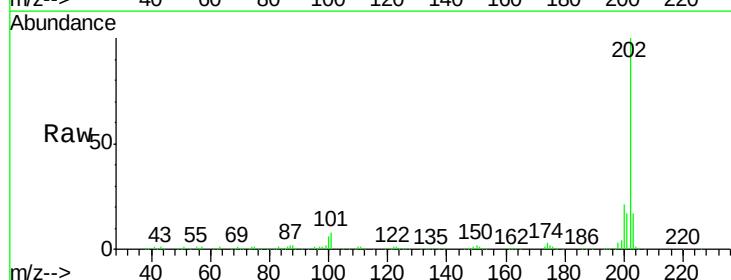
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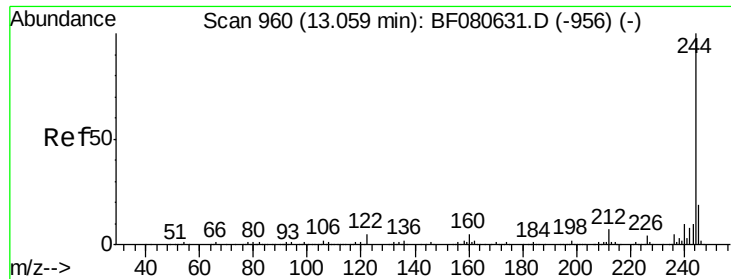
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#77
Pyrene
Concen: 21.80 ng
RT: 12.96 min Scan# 951
Delta R.T. 0.06 min
Lab File: BF080668.D
Acq: 25 Jul 2015 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	283158		
200	21.1	17.4	26.0	
203	17.0	14.6	22.0	





#78

Terphenyl-d14

Concen: 8.17 ng

RT: 13.11 min Scan# 964

Delta R.T. 0.05 min

Lab File: BF080668.D

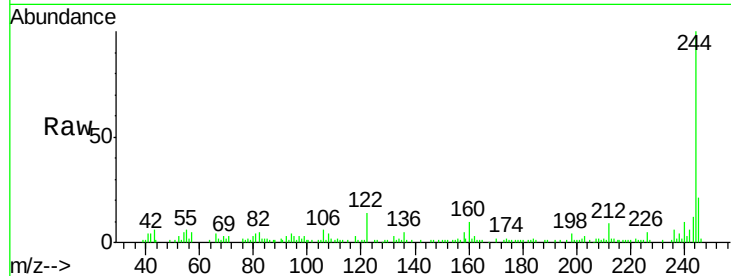
Acq: 25 Jul 2015 13:43

Instrument :

BNA_F

ClientSampleId :

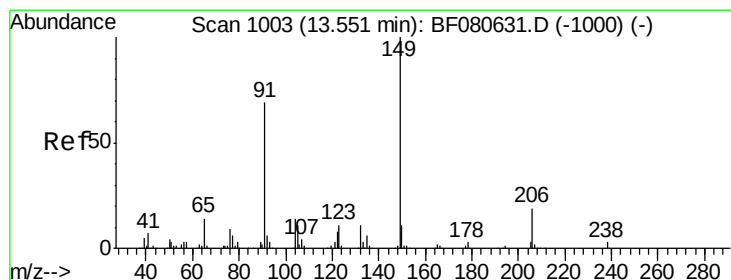
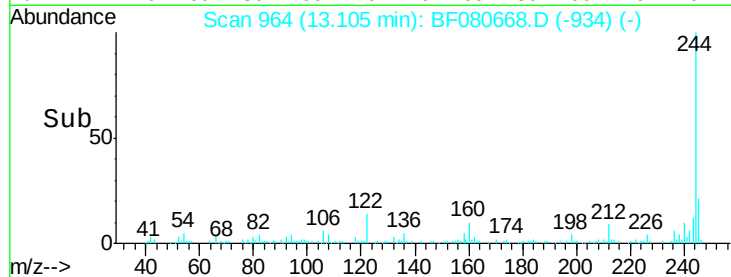
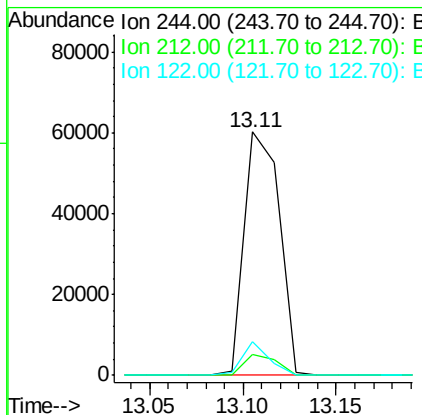
FK-SF-03-003-B



Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.2	7.8#
122	14.1	4.1	6.1#

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#79

Butylbenzylphthalate

Concen: 14.09 ng

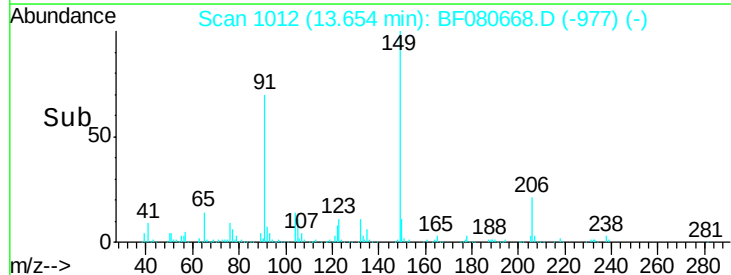
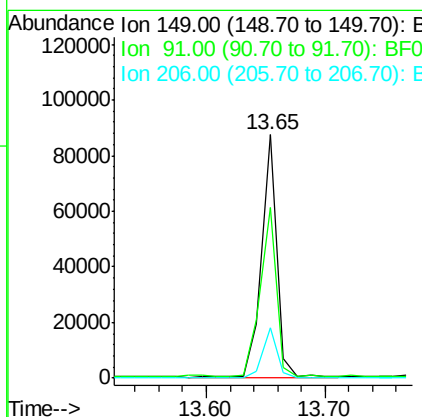
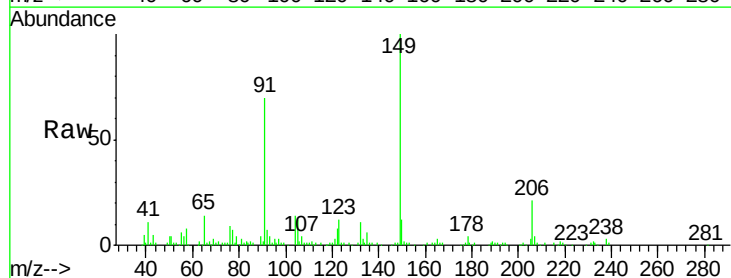
RT: 13.65 min Scan# 1012

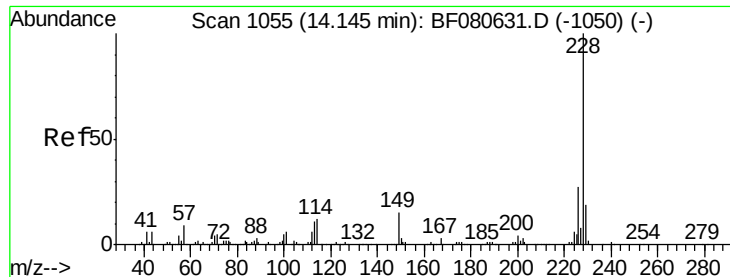
Delta R.T. 0.10 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.2	55.0	82.4
206	20.8	15.0	22.6





#80

Benzo(a)anthracene

Concen: 15.96 ng

RT: 14.31 min Scan# 1069

Delta R.T. 0.16 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA_F

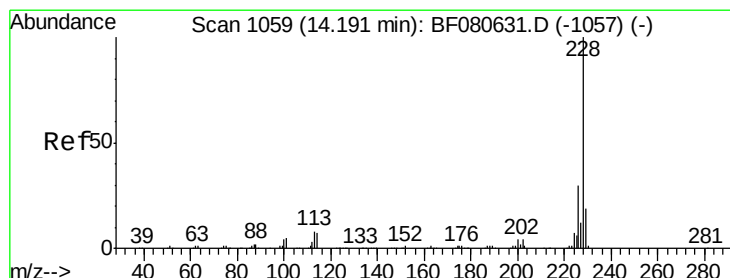
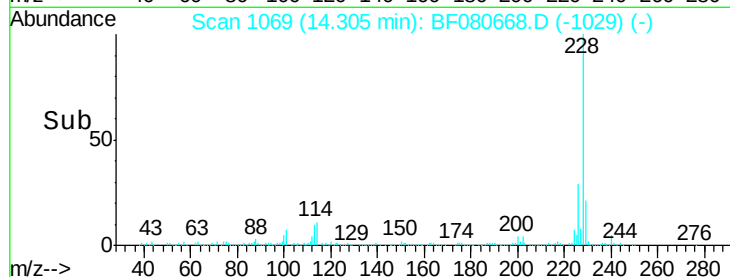
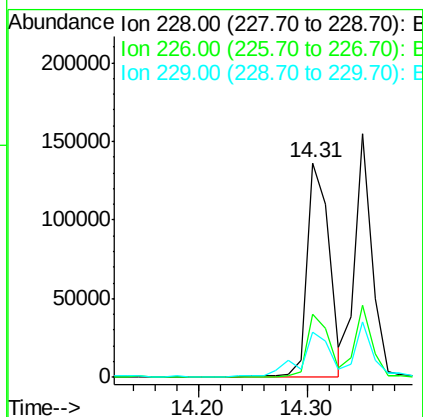
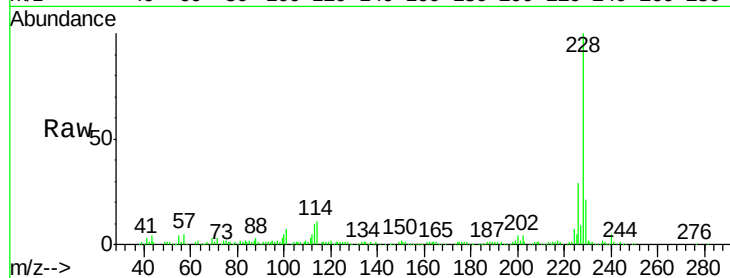
ClientSampleId :

FK-SF-03-003-B

Tgt Ion:	228	Resp:	194206
Ion Ratio		Lower	Upper
228	100		
226	29.1	21.4	32.0
229	20.9	15.4	23.0

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#82

Chrysene

Concen: 14.98 ng

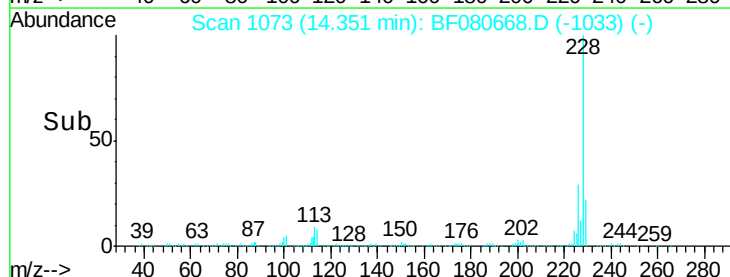
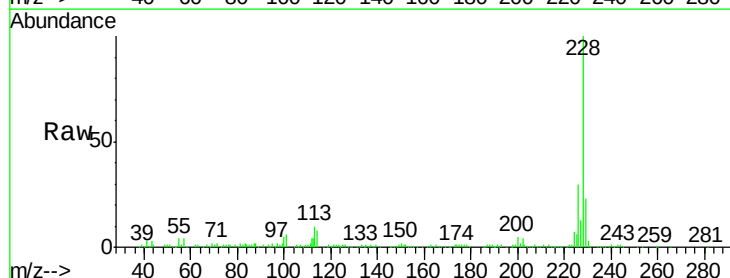
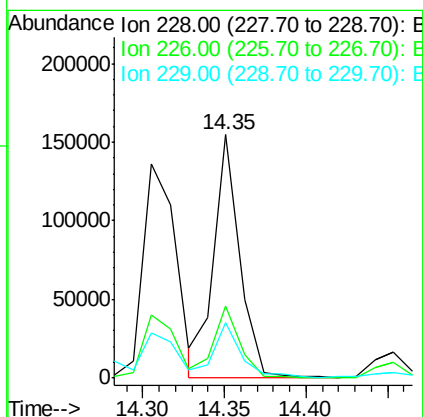
RT: 14.35 min Scan# 1073

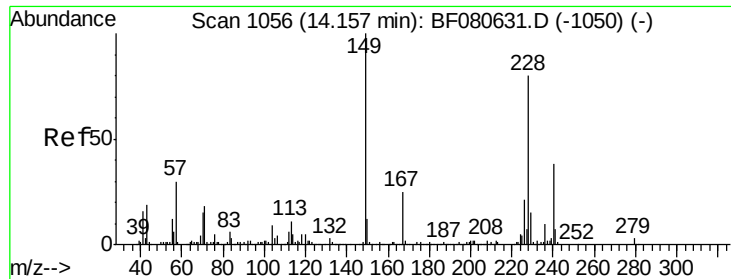
Delta R.T. 0.16 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Tgt Ion:	228	Resp:	170824
Ion Ratio		Lower	Upper
228	100		
226	29.6	24.2	36.4
229	22.8	15.4	23.2





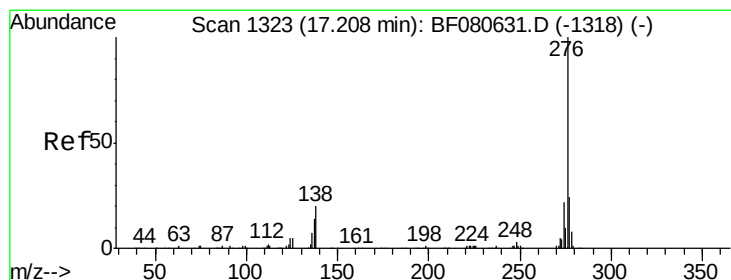
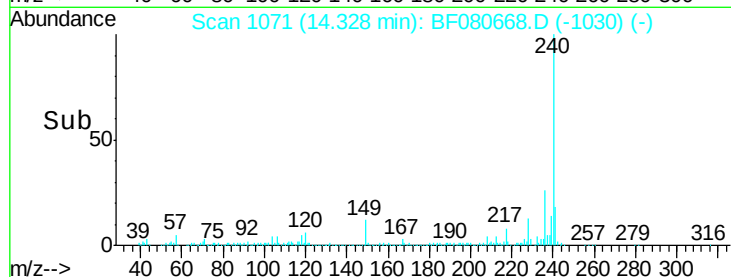
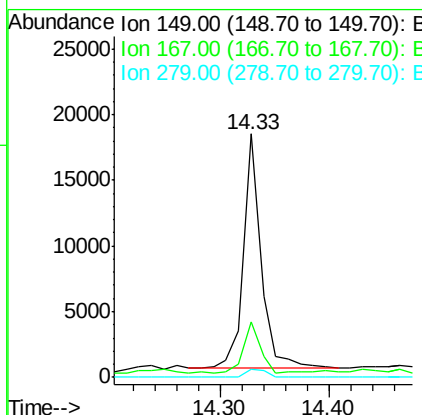
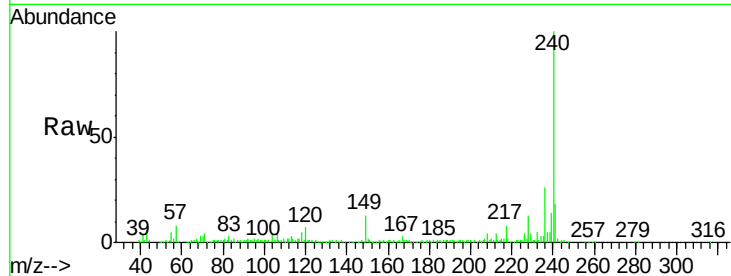
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.35 ng
 RT: 14.33 min Scan# 1071
 Delta R.T. 0.17 min
 Lab File: BF080668.D
 Acq: 25 Jul 2015 13:43

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

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	19936		
167	22.8	19.7	29.5	
279	3.2	2.2	3.4	

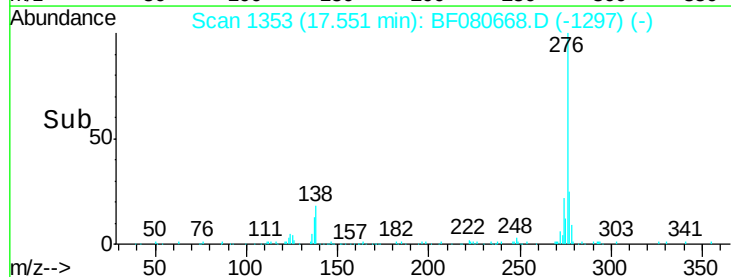
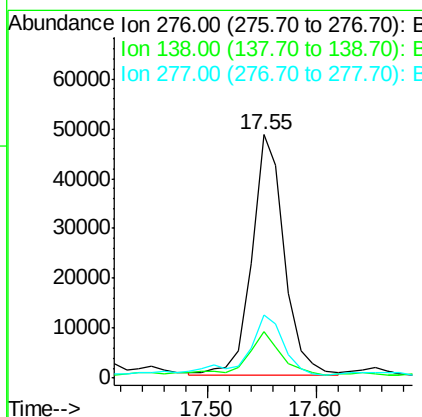
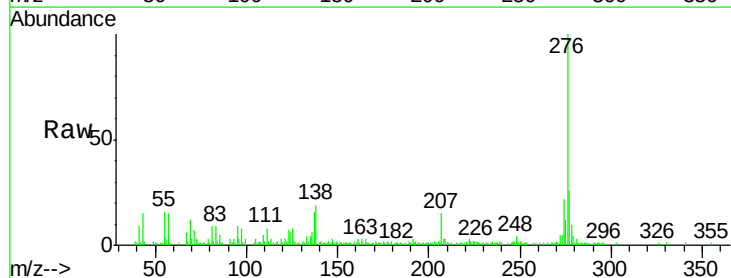
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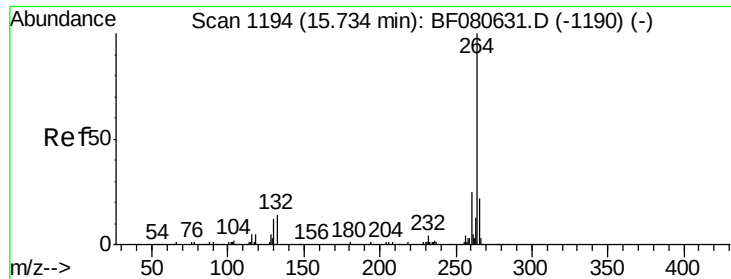
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.37 ng
 RT: 17.55 min Scan# 1353
 Delta R.T. 0.34 min
 Lab File: BF080668.D
 Acq: 25 Jul 2015 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	99753		
138	19.8	17.5	26.3	
277	28.1	19.8	29.6	





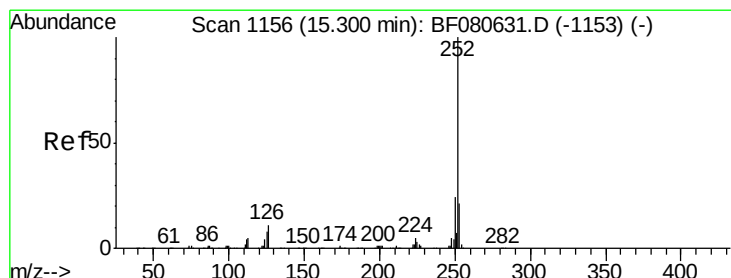
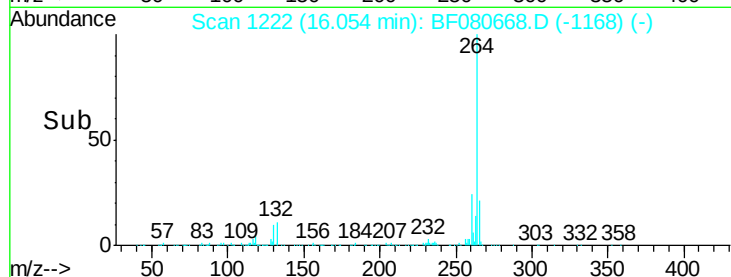
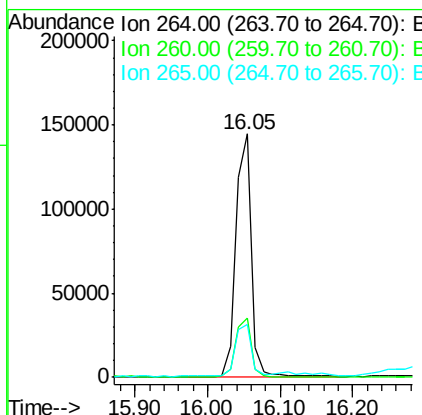
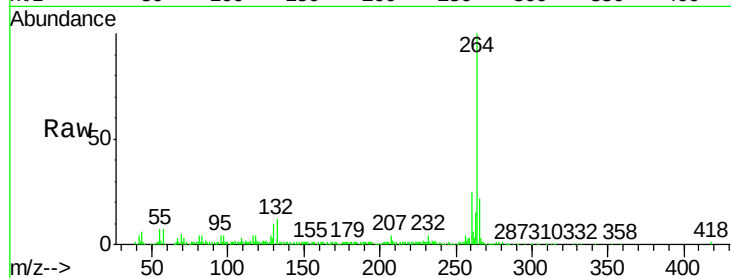
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.05 min Scan# 1222
Delta R.T. 0.32 min
Lab File: BF080668.D
Acq: 25 Jul 2015 13:43

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

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	215408		
260	24.5	20.1	30.1	
265	21.9	17.4	26.0	

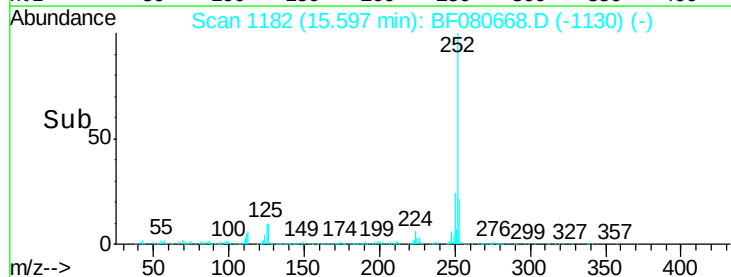
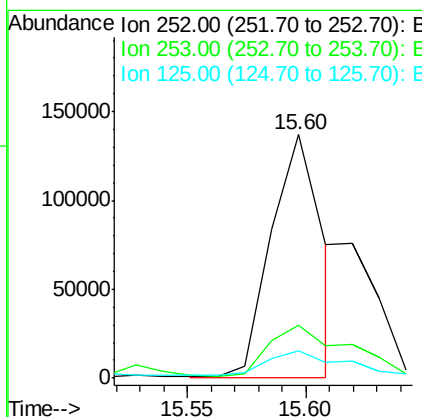
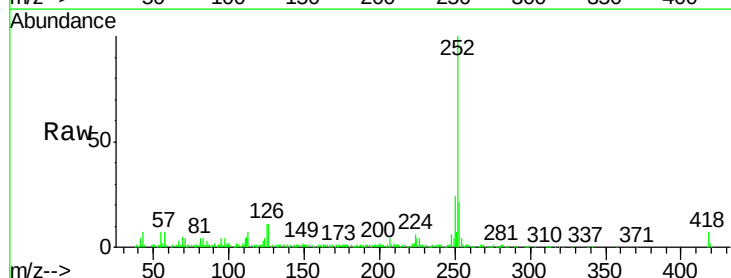
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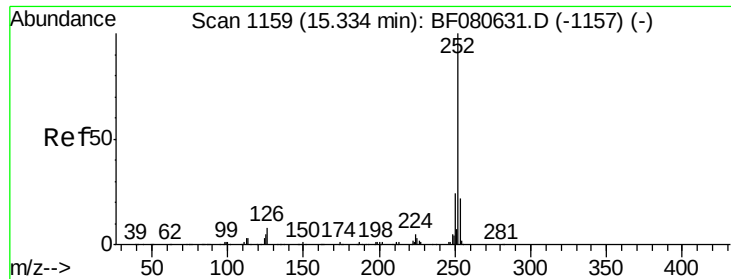
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#87
Benzo(b)fluoranthene
Concen: 15.97 ng m
RT: 15.60 min Scan# 1182
Delta R.T. 0.30 min
Lab File: BF080668.D
Acq: 25 Jul 2015 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	208493		
253	21.5	17.1	25.7	
125	11.0	6.5	9.7#	





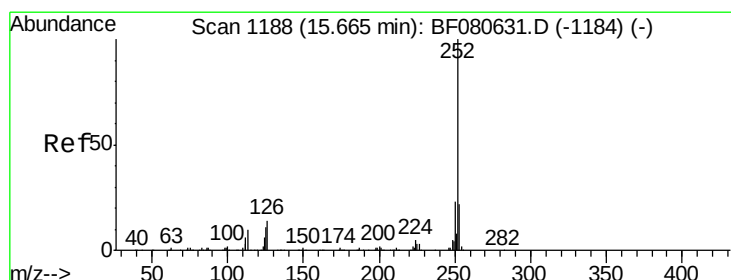
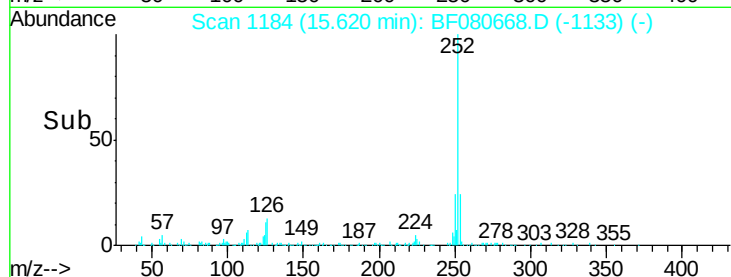
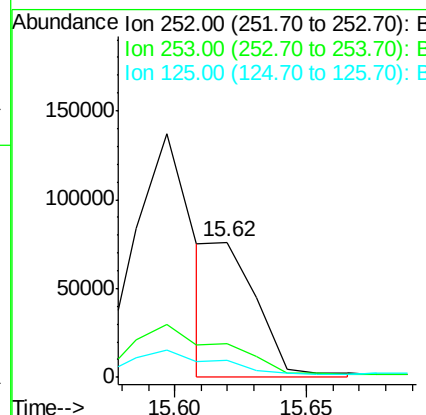
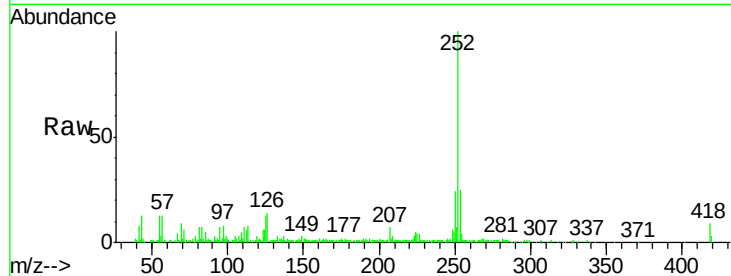
#88
Benzo(k)fluoranthene
Concen: 7.61 ng m
RT: 15.62 min Scan# 1184
Delta R.T. 0.29 min
Lab File: BF080668.D
Acq: 25 Jul 2015 13:43

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	12.7	4.6	6.8#

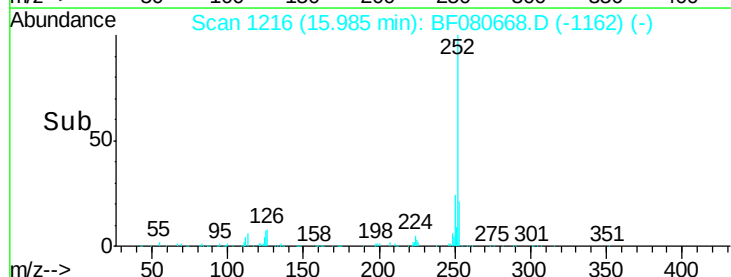
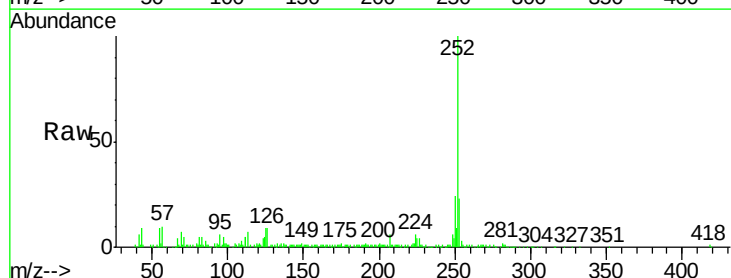
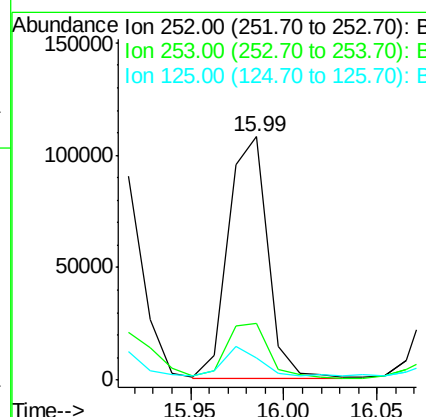
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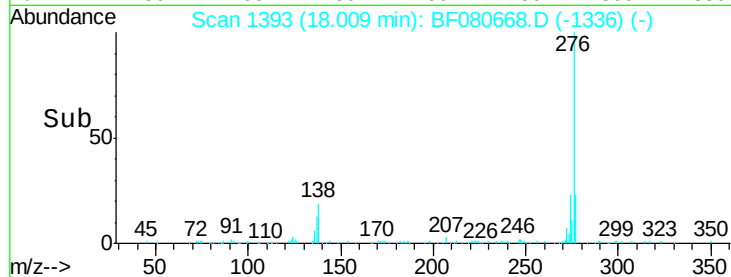
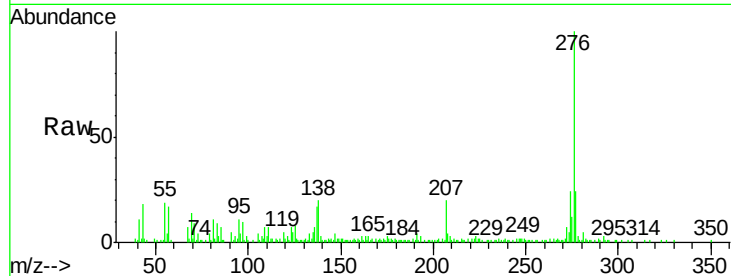
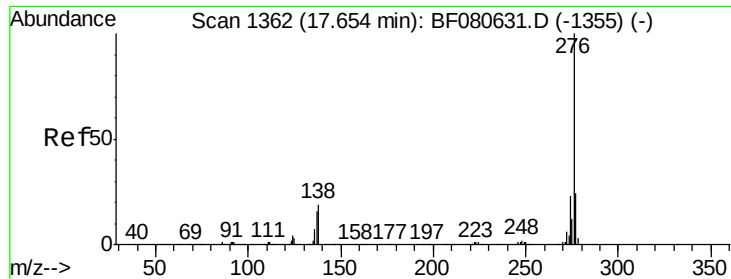
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#89
Benzo(a)pyrene
Concen: 13.41 ng
RT: 15.99 min Scan# 1216
Delta R.T. 0.32 min
Lab File: BF080668.D
Acq: 25 Jul 2015 13:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	9.0	9.1	13.7#





#91

Benzo(g,h,i)perylene

Concen: 7.16 ng

RT: 18.01 min Scan# 1393

Delta R.T. 0.35 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-003-B

Tgt Ion:	276	Resp:	89904
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.0	28.4
138	20.2	14.8	22.2

Manual Integrations
APPROVED

apatel
7/27/2015 4:24:11 PM

