

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
 Data File : BF080620.D
 Acq On : 24 Jul 2015 5:24
 Operator : TP/UM
 Sample : G3057-01 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

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

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Quant Time: Jul 24 06:37:49 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 24 01:01:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	39235	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	158984	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	74528	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	147191	20.00	ng	0.00
75) Chrysene-d12	14.24	240	191388	20.00	ng	0.06
86) Perylene-d12	15.87	264	195290	20.00	ng	0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	14079	6.20	ng	0.01
7) Phenol-d6	6.56	99	61862	22.28	ng	0.00
23) Nitrobenzene-d5	7.50	82	38693	13.79	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.31	172	70349	13.70	ng	0.00
78) Terphenyl-d14	13.09	244	93262	10.20	ng	0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	7.08	79	28220	11.53	ng	94
31) Naphthalene	8.26	128	18442	2.32	ng	96
51) Acenaphthene	10.03	154	19868	4.55	ng	99
54) Dibenzofuran	10.20	168	16049	2.54	ng	# 97
57) Fluorene	10.54	166	19149	3.78	ng	99
70) Phenanthrene	11.50	178	236153	28.42	ng	99
71) Anthracene	11.55	178	63993	8.22	ng	99
72) Carbazole	11.71	167	28394	4.22	ng	100
74) Fluoranthene	12.71	202	330858	44.50	ng	97
77) Pyrene	12.95	202	270060	21.03	ng	99
79) Butylbenzylphthalate	13.60	149	17531	8.69	ng	# 79
80) Benzo(a)anthracene	14.23	228	179117	16.60	ng	99
82) Chrysene	14.27	228	133820	12.46	ng	96
83) Bis(2-ethylhexyl)phthalate	14.24	149	25446	4.05	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.38	276	76067	9.37	ng	# 88
87) Benzo(b)fluoranthene	15.43	252	196135m	16.51	ng	
88) Benzo(k)fluoranthene	15.45	252	42409m	3.59	ng	
89) Benzo(a)pyrene	15.80	252	125508	11.91	ng	97
91) Benzo(g,h,i)perylene	17.83	276	68696	6.76	ng	# 95

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

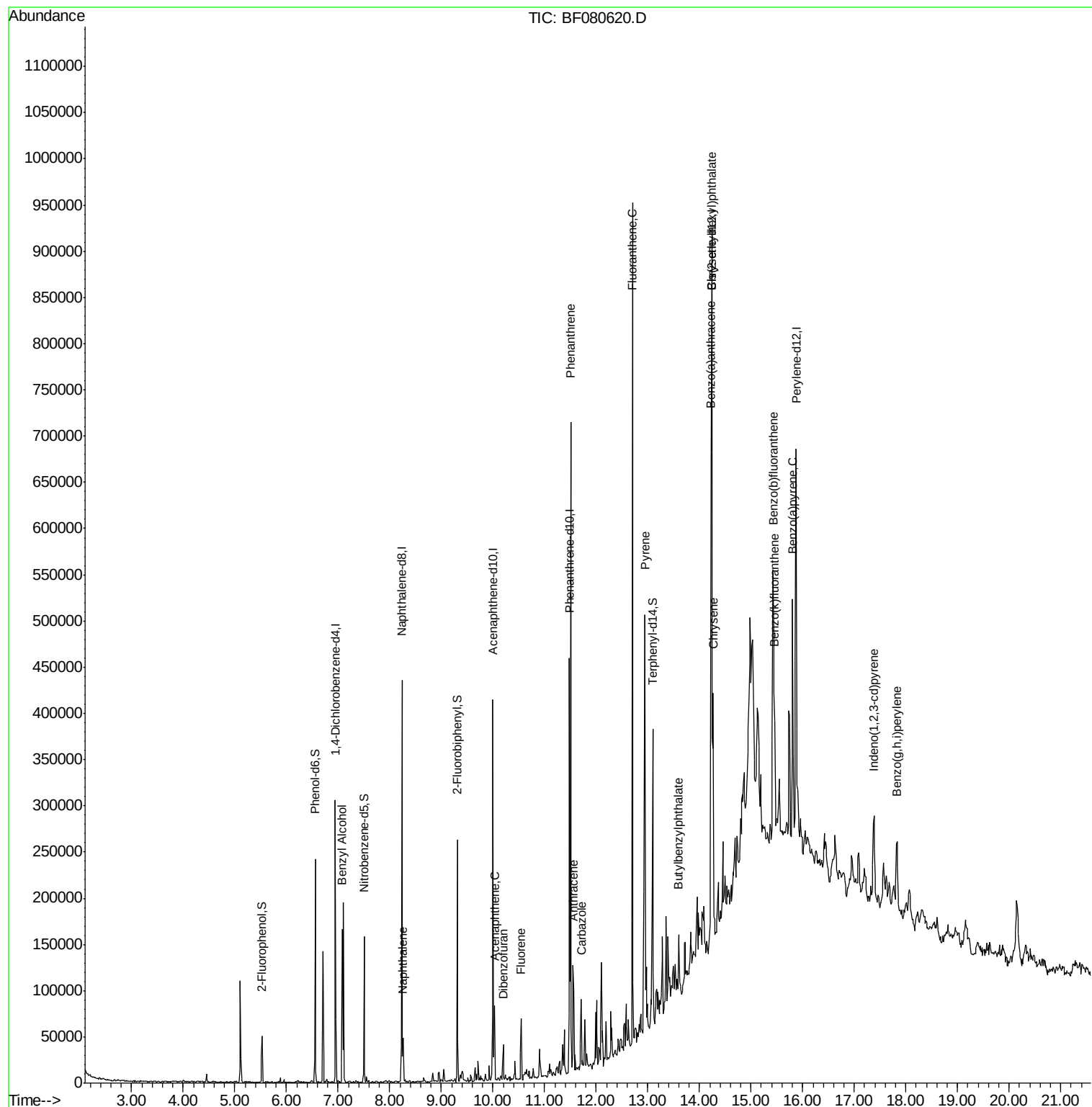
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
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ALS Vial : 29 Sample Multiplier: 1

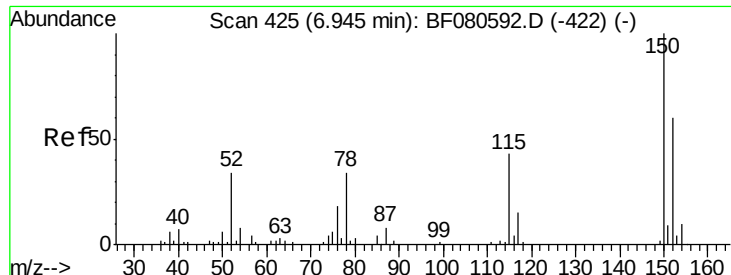
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF080620.D

Acq: 24 Jul 2015 5:24

Instrument :

BNA_F

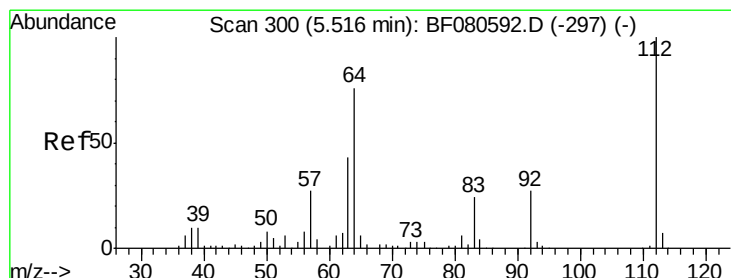
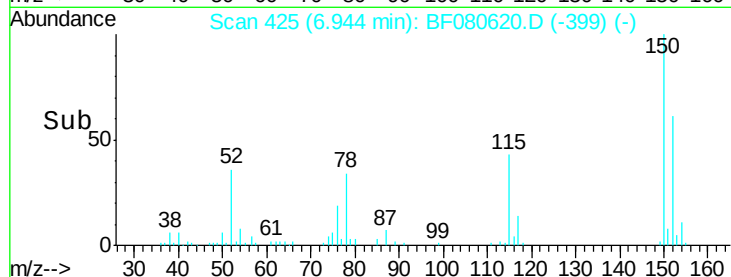
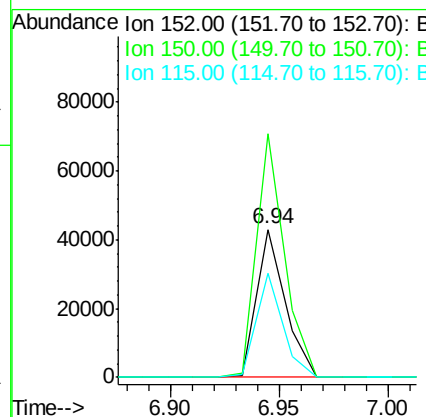
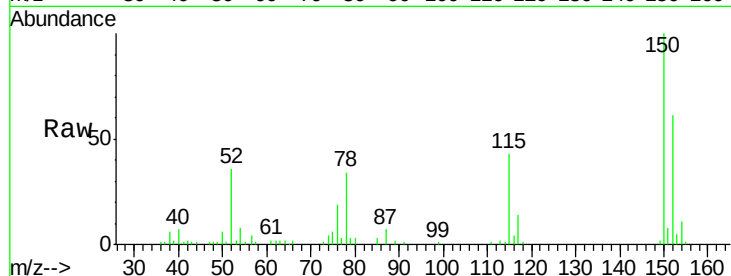
ClientSampleId :

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Tgt Ion:	152	Resp:	39235
Ion Ratio	Lower	Upper	
152	100		
150	164.4	128.7	193.1
115	70.7	56.8	85.2

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#5

2-Fluorophenol

Concen: 6.20 ng

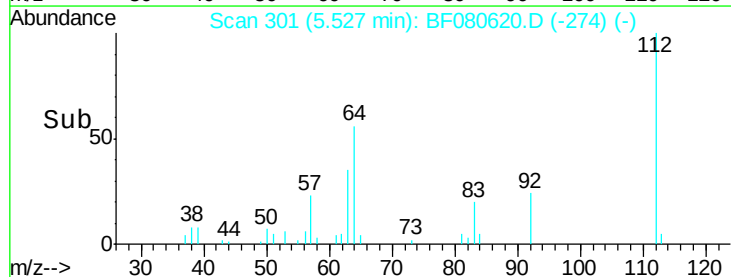
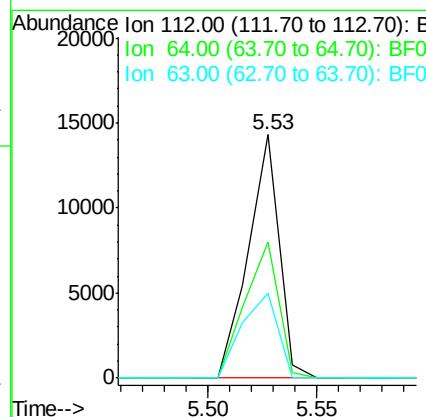
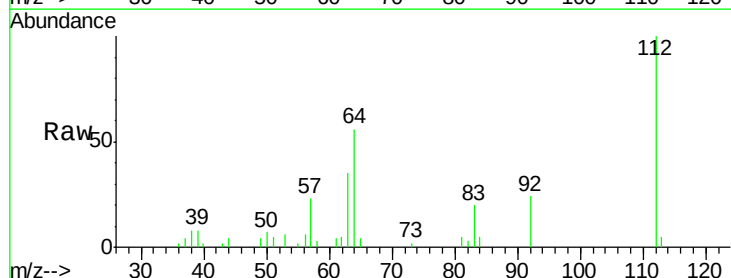
RT: 5.53 min Scan# 301

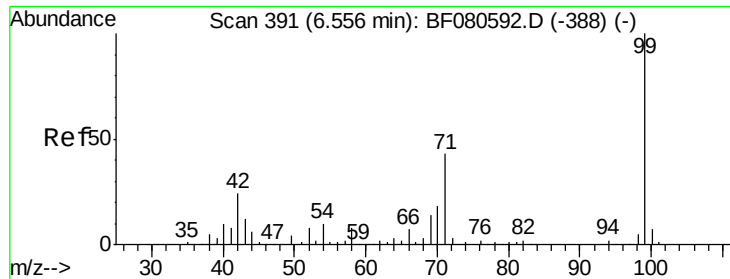
Delta R.T. 0.01 min

Lab File: BF080620.D

Acq: 24 Jul 2015 5:24

Tgt Ion:	112	Resp:	14079
Ion Ratio	Lower	Upper	
112	100		
64	56.1	60.2	90.2#
63	35.1	34.8	52.2





#7

Phenol-d6

Concen: 22.28 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF080620.D

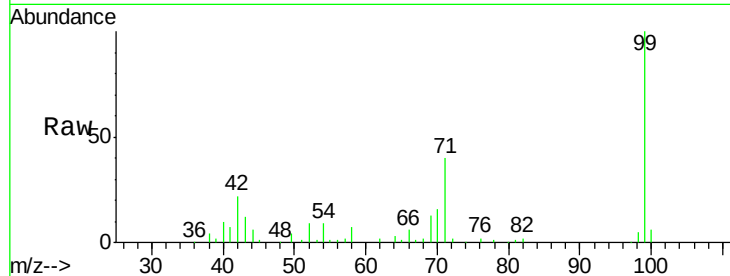
Acq: 24 Jul 2015 5:24

Instrument :

BNA_F

ClientSampleId :

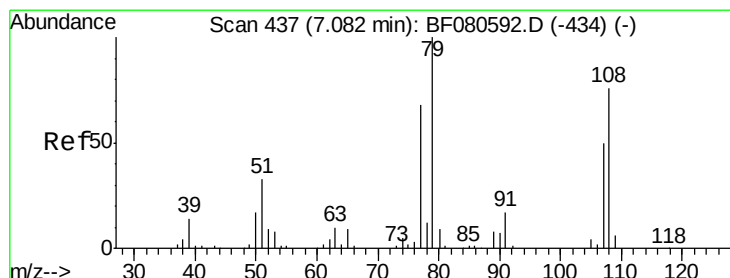
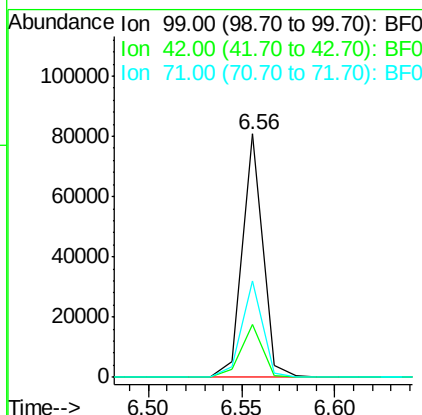
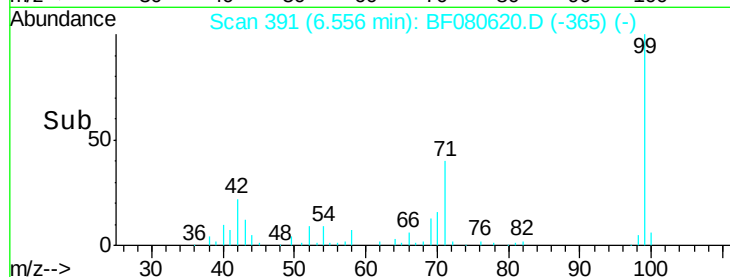
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Tgt Ion:	99	Resp:	61862
Ion Ratio	Lower	Upper	
99	100		
42	21.7	17.4	26.2
71	39.8	29.0	43.6

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#15

Benzyl Alcohol

Concen: 11.53 ng

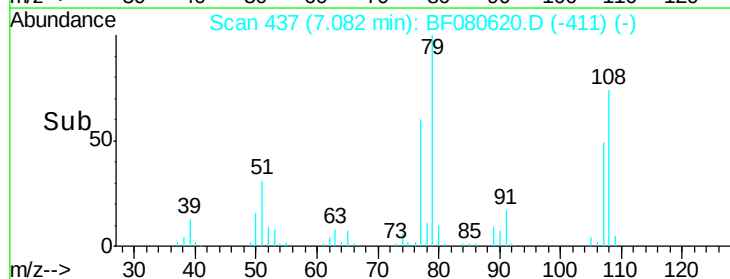
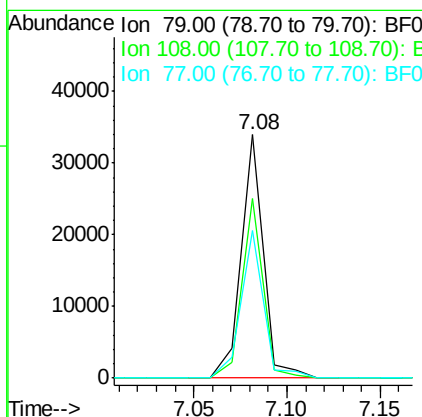
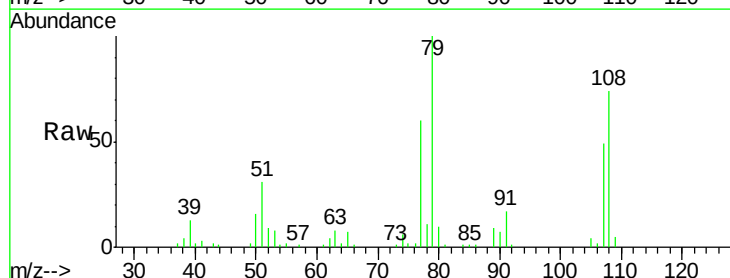
RT: 7.08 min Scan# 437

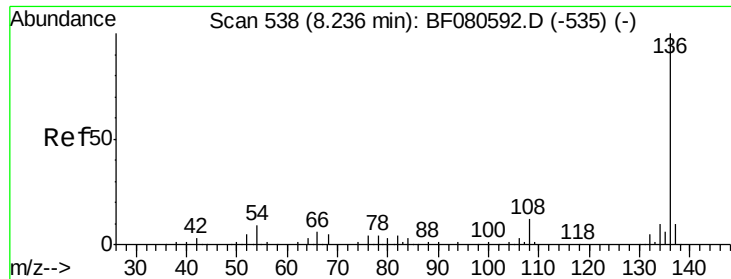
Delta R.T. 0.00 min

Lab File: BF080620.D

Acq: 24 Jul 2015 5:24

Tgt Ion:	79	Resp:	28220
Ion Ratio	Lower	Upper	
79	100		
108	73.9	61.5	92.3
77	60.5	53.6	80.4





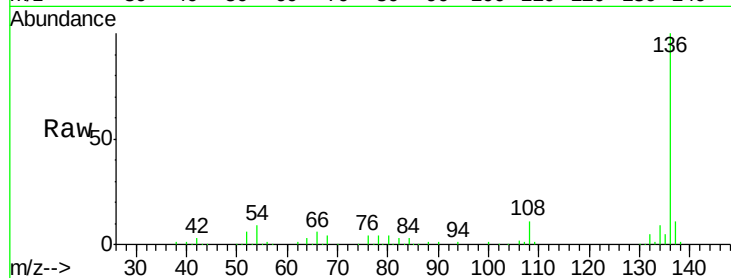
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF080620.D
Acq: 24 Jul 2015 5:24

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

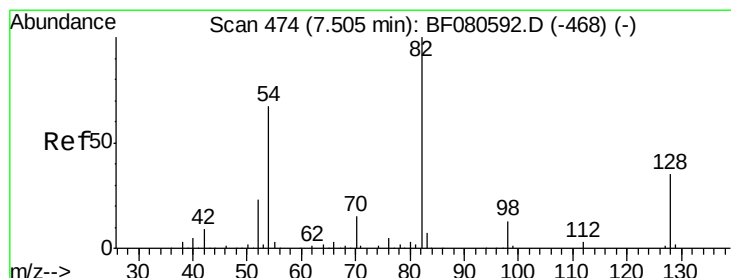
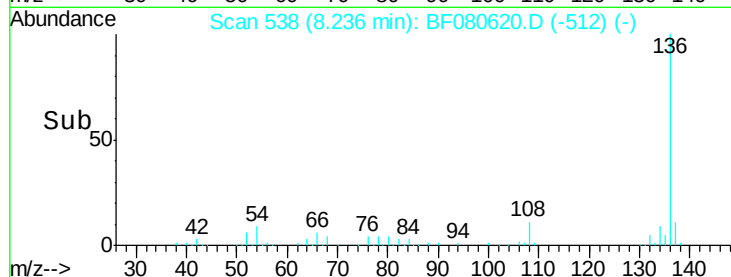
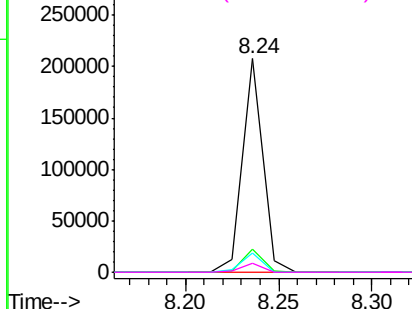
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	158984		
137	11.0	7.8	11.8	
54	8.8	7.2	10.8	
68	4.5	3.8	5.6	

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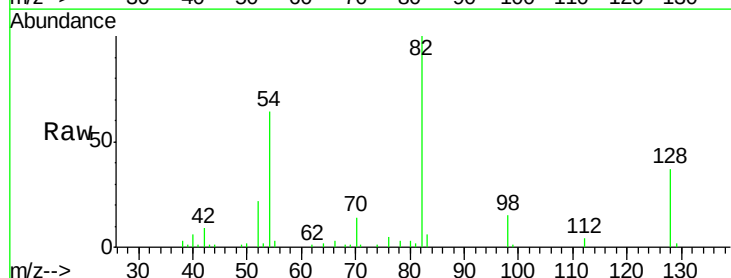


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

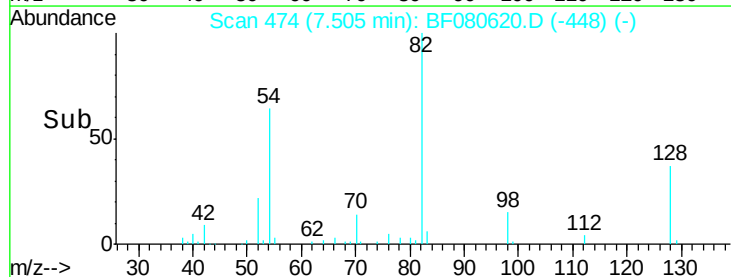
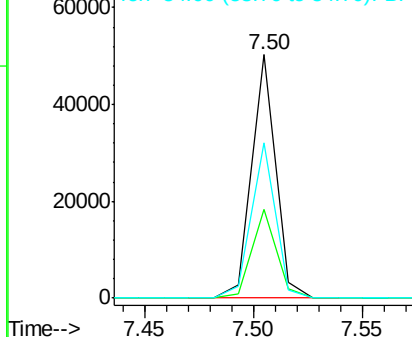


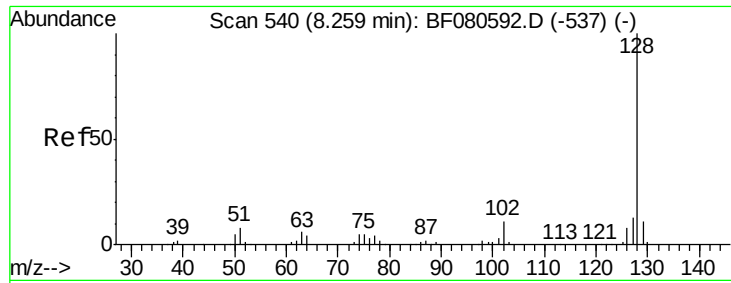
#23
Nitrobenzene-d5
Concen: 13.79 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.00 min
Lab File: BF080620.D
Acq: 24 Jul 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	38693		
128	36.6	28.9	43.3	
54	64.0	54.5	81.7	



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





#31

Naphthalene

Concen: 2.32 ng

RT: 8.26 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF080620.D

Acq: 24 Jul 2015 5:24

Instrument :

BNA_F

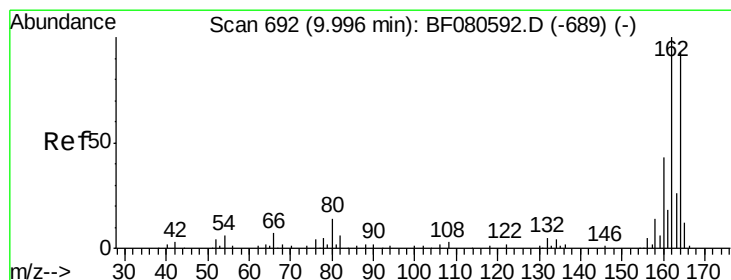
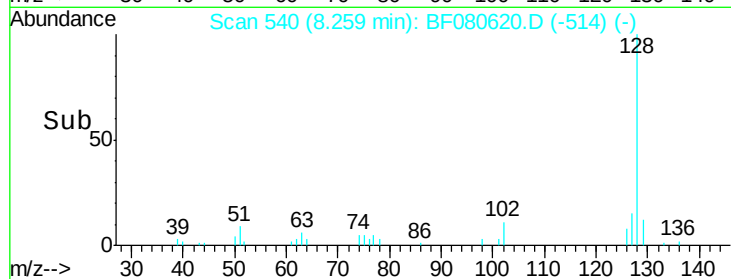
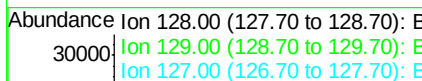
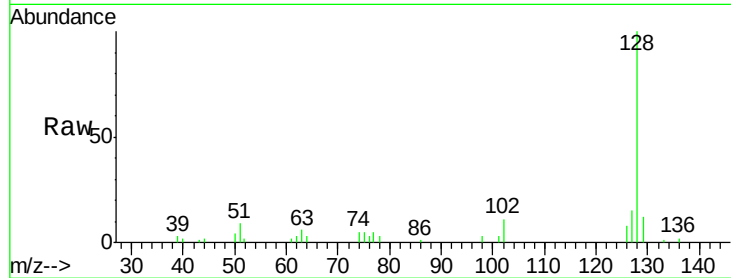
ClientSampleId :

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Tgt Ion:	128	Resp:	18442
Ion Ratio	Lower	Upper	
128	100		
129	12.2	8.6	13.0
127	15.2	10.7	16.1

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#38

Acenaphthene-d10

Concen: 20.00 ng

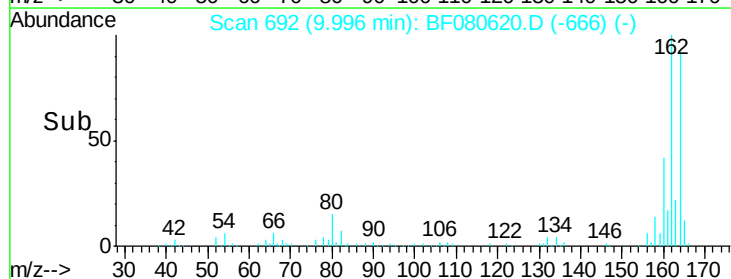
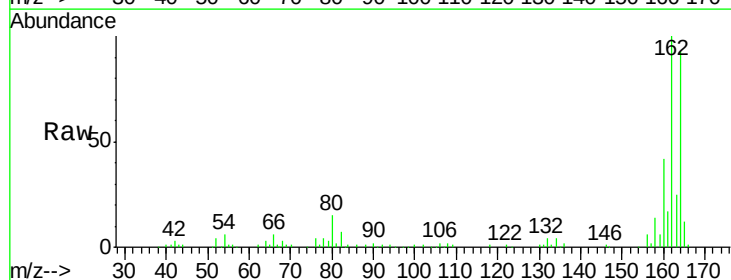
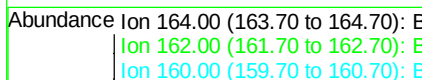
RT: 10.00 min Scan# 692

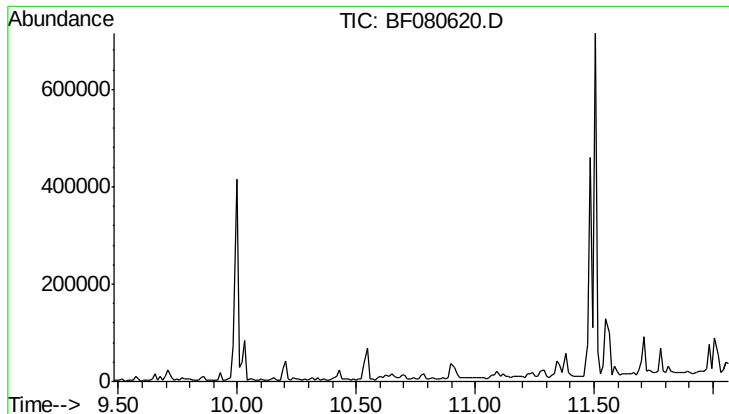
Delta R.T. 0.00 min

Lab File: BF080620.D

Acq: 24 Jul 2015 5:24

Tgt Ion:	164	Resp:	74528
Ion Ratio	Lower	Upper	
164	100		
162	107.9	82.2	123.4
160	45.1	36.1	54.1





#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.77 min
 Lab File: BF080620.D
 Acq: 24 Jul 2015 5:24

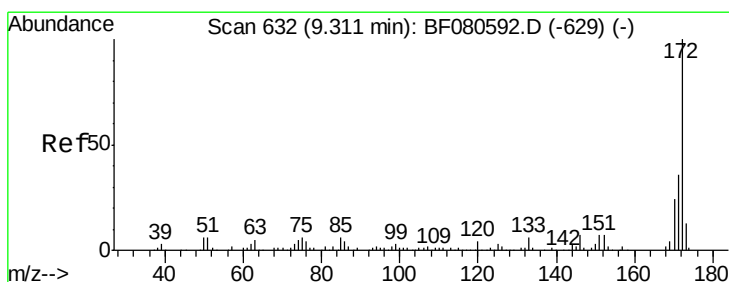
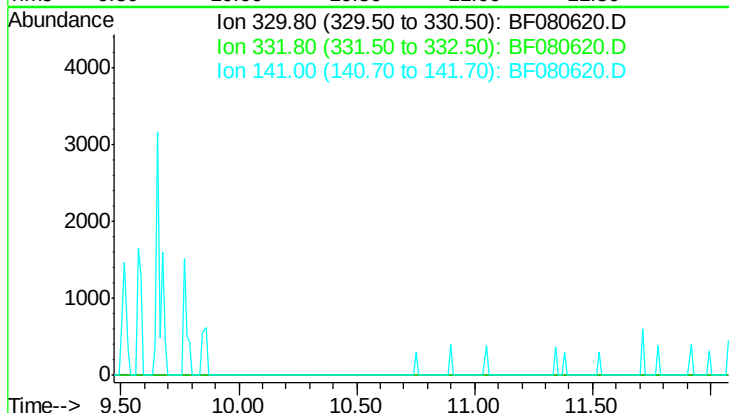
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-003-A

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.9
141	47.4

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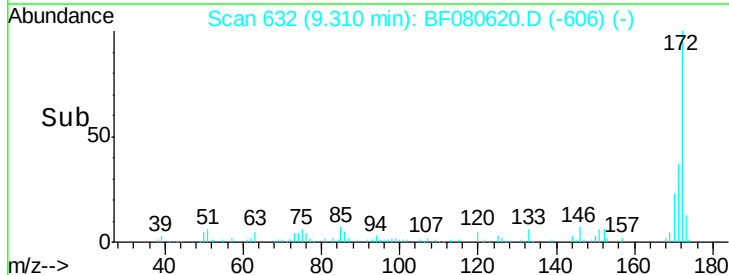
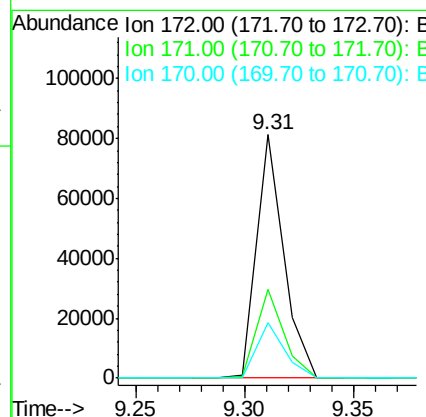
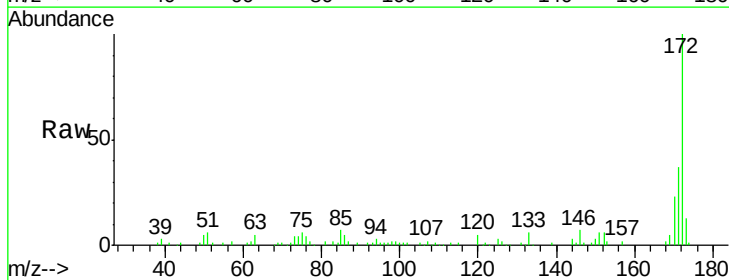
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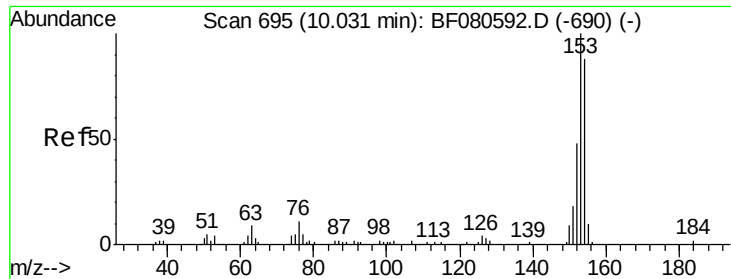


#44
 2-Fluorobiphenyl
 Concen: 13.70 ng
 RT: 9.31 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: BF080620.D
 Acq: 24 Jul 2015 5:24

Tgt Ion: 172 Resp: 70349

Ion	Ratio	Lower	Upper
172	100		
171	36.7	27.7	41.5
170	22.6	19.1	28.7





#51

Acenaphthene

Concen: 4.55 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF080620.D

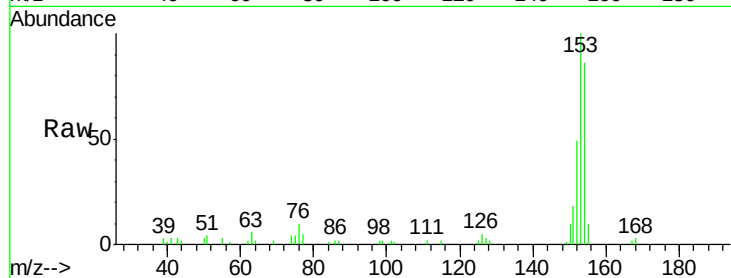
Acq: 24 Jul 2015 5:24

Instrument :

BNA_F

ClientSampleId :

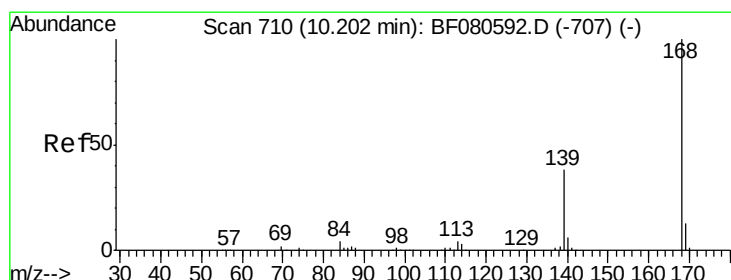
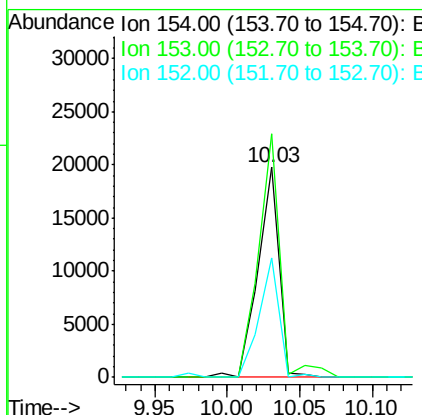
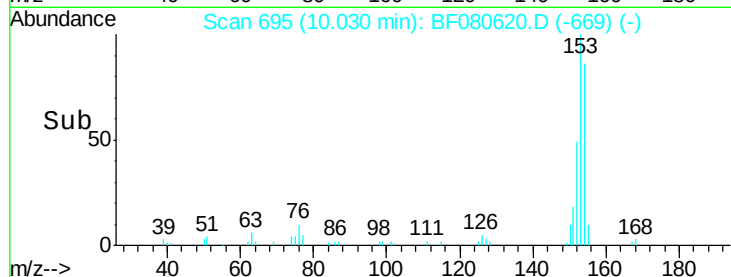
FK-SF-03-003-A



Tgt Ion:	154	Resp:	19868
Ion Ratio	Lower	Upper	
154	100		
153	115.8	92.2	138.2
152	56.5	43.6	65.4

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#54

Dibenzofuran

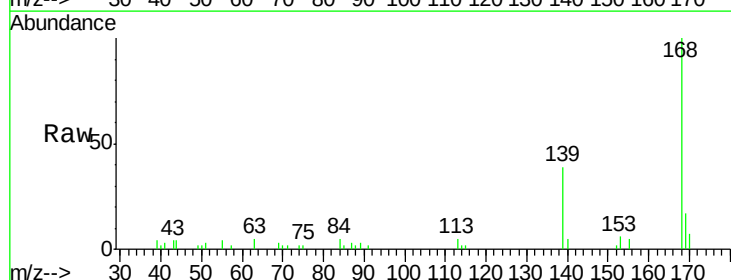
Concen: 2.54 ng

RT: 10.20 min Scan# 710

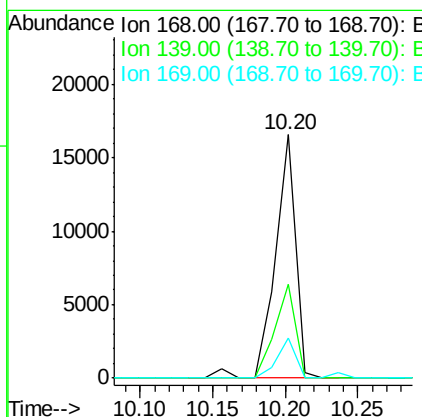
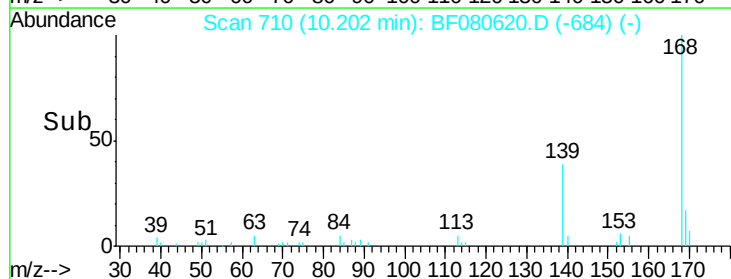
Delta R.T. 0.00 min

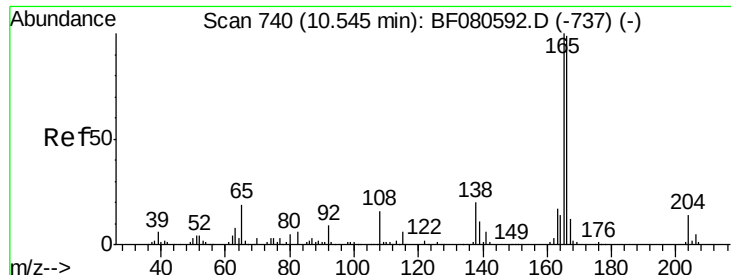
Lab File: BF080620.D

Acq: 24 Jul 2015 5:24



Tgt Ion:	168	Resp:	16049
Ion Ratio	Lower	Upper	
168	100		
139	38.7	30.7	46.1
169	16.7	9.8	14.8#





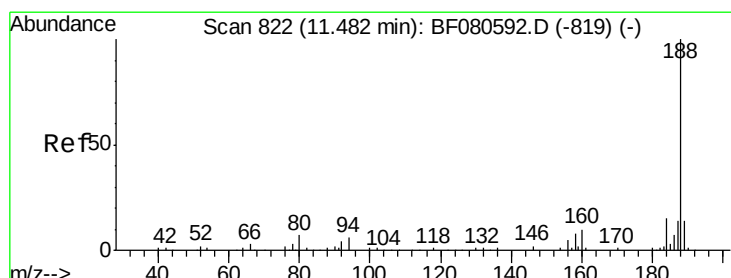
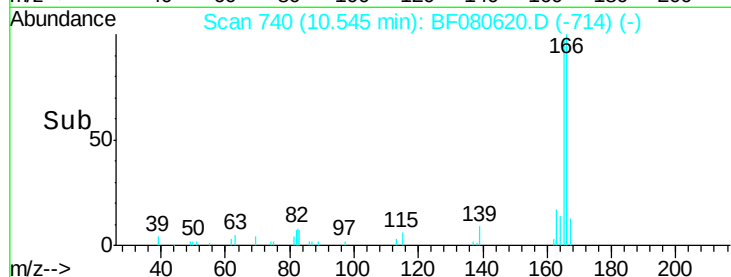
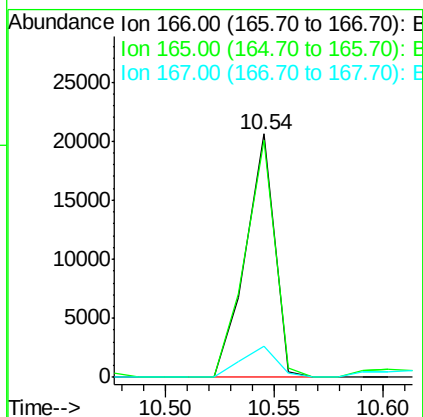
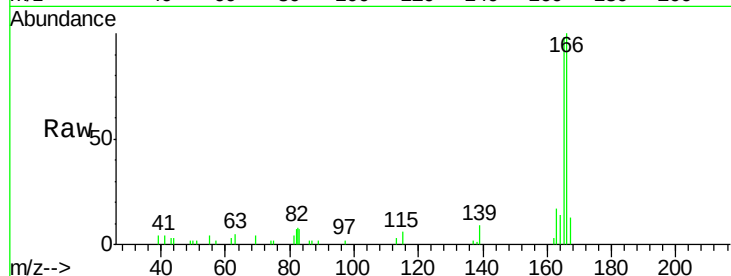
#57
Fluorene
 Concen: 3.78 ng
 RT: 10.54 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF080620.D
 Acq: 24 Jul 2015 5:24

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

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.7	116.5
167	12.7	10.5	15.7

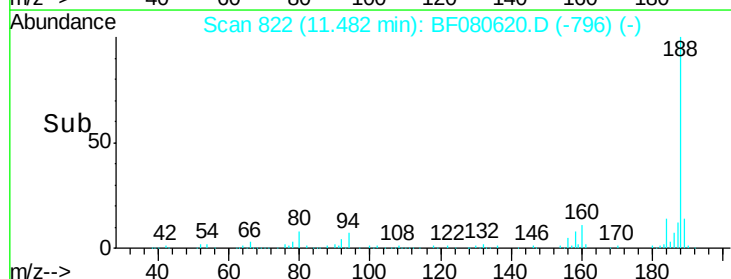
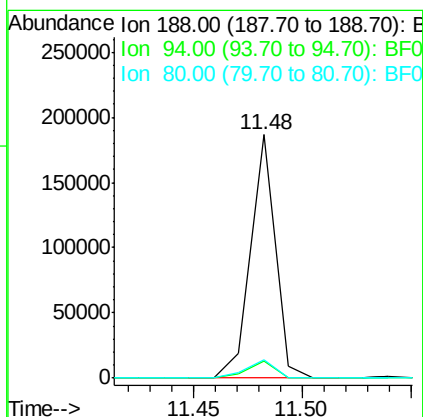
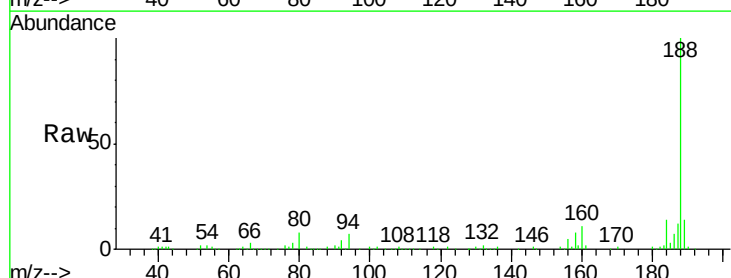
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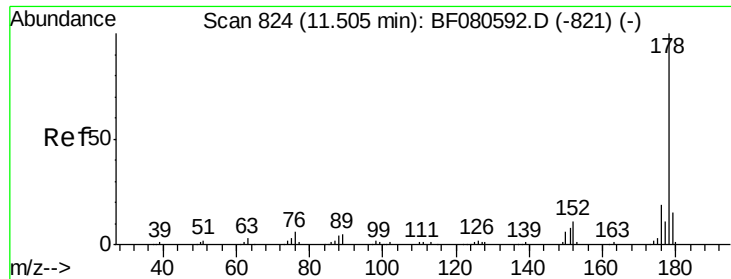
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.48 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF080620.D
 Acq: 24 Jul 2015 5:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.1	9.1
80	7.5	7.0	10.6





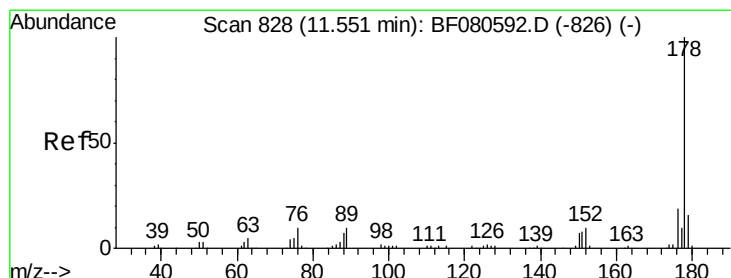
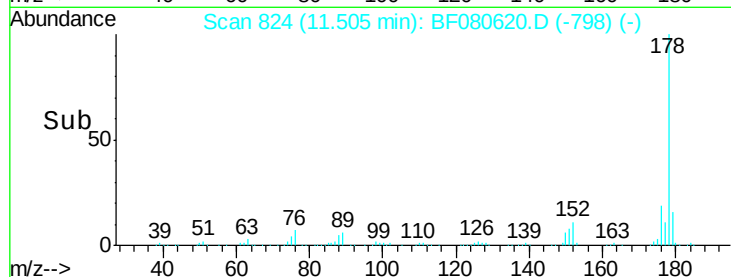
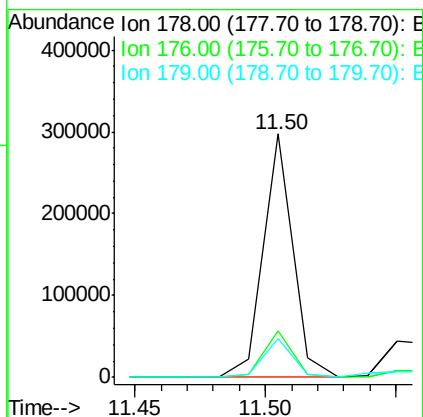
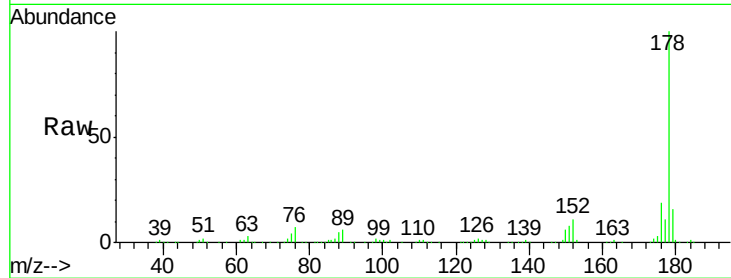
#70
Phenanthrene
Concen: 28.42 ng
RT: 11.50 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF080620.D
Acq: 24 Jul 2015 5:24

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

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	236153		
176	19.3	15.2	22.8	
179	16.1	12.5	18.7	

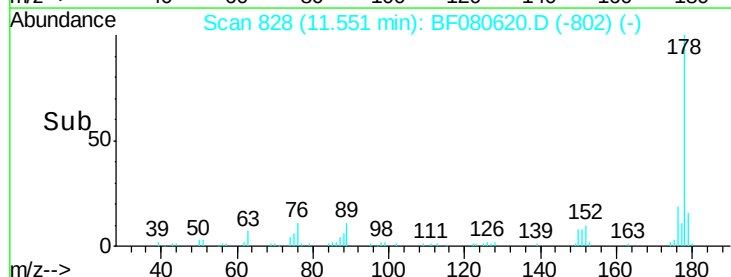
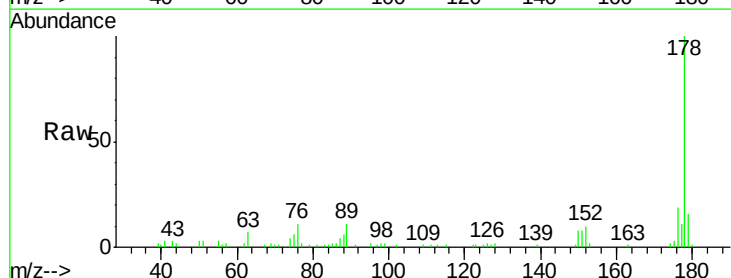
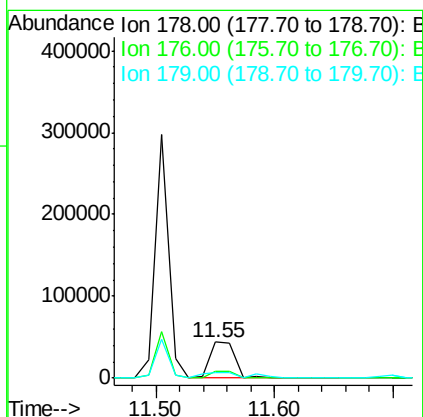
Manual Integrations
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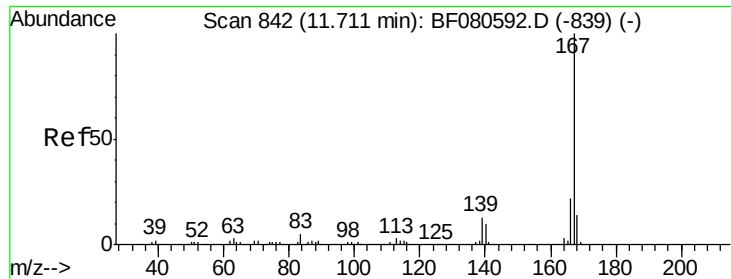
apatel
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#71
Anthracene
Concen: 8.22 ng
RT: 11.55 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF080620.D
Acq: 24 Jul 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	63993		
176	18.9	15.1	22.7	
179	16.1	12.0	18.0	





#72

Carbazole

Concen: 4.22 ng

RT: 11.71 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF080620.D

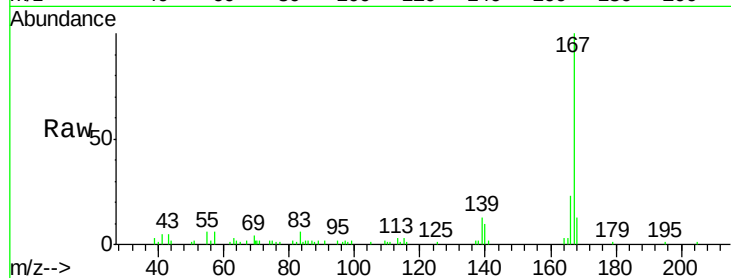
Acq: 24 Jul 2015 5:24

Instrument :

BNA_F

ClientSampleId :

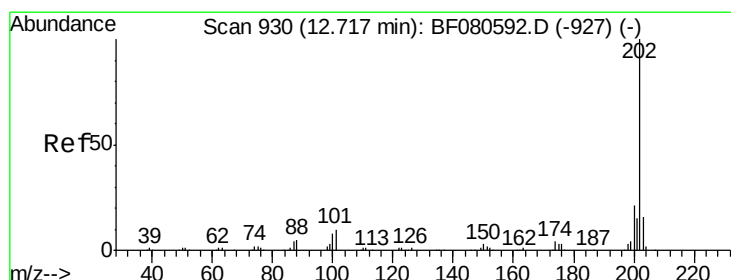
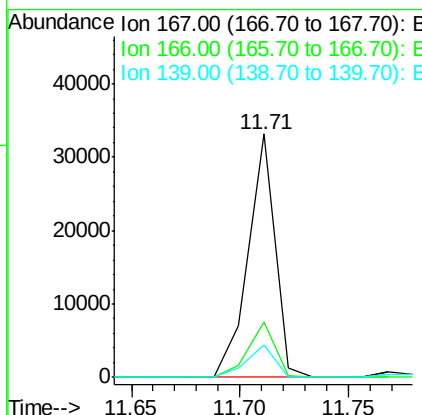
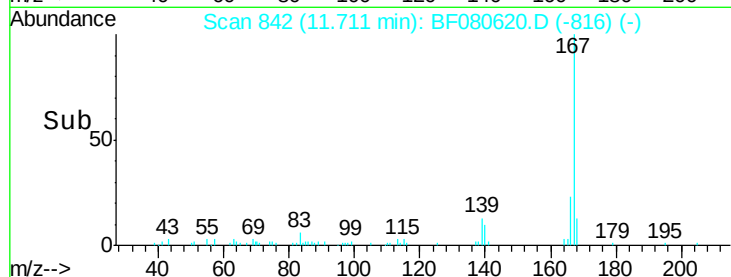
FK-SF-03-003-A



Tgt Ion:	167	Resp:	28394
Ion Ratio	Lower	Upper	
167	100		
166	22.7	18.1	27.1
139	13.1	10.7	16.1

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#74

Fluoranthene

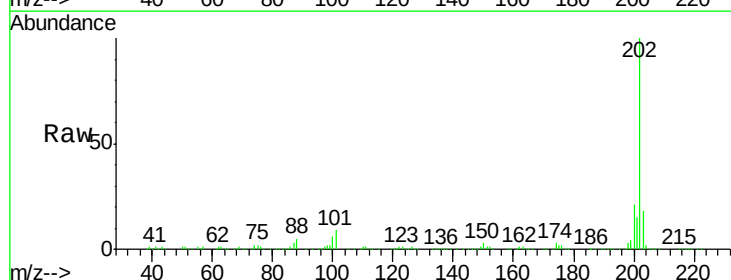
Concen: 44.50 ng

RT: 12.71 min Scan# 929

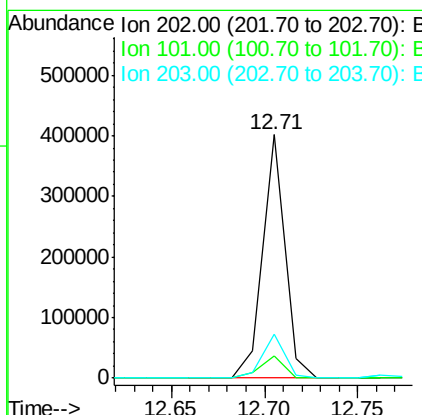
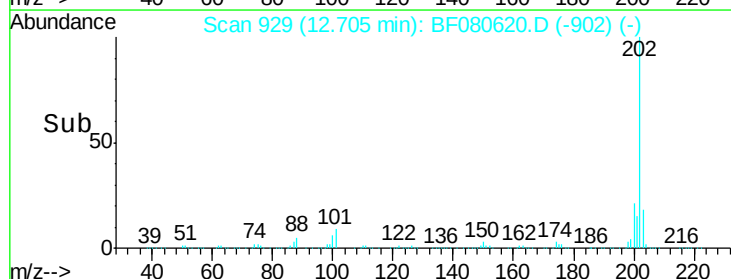
Delta R.T. 0.01 min

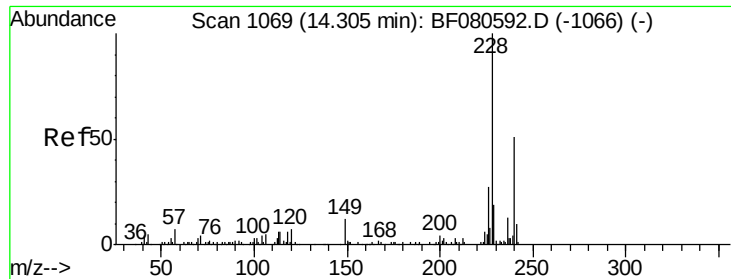
Lab File: BF080620.D

Acq: 24 Jul 2015 5:24



Tgt Ion:	202	Resp:	330858
Ion Ratio	Lower	Upper	
202	100		
101	8.9	0.0	31.1
203	18.0	0.0	37.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.24 min Scan# 1063

Delta R.T. 0.06 min

Lab File: BF080620.D

Acq: 24 Jul 2015 5:24

Instrument :

BNA_F

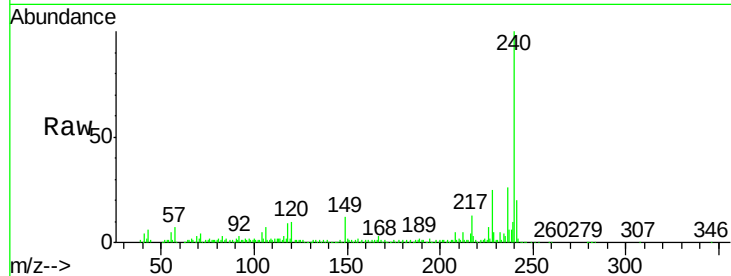
ClientSampleId :

FK-SF-03-003-A

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	191388		
120	9.9	9.9	14.9	
236	25.8	19.1	28.7	

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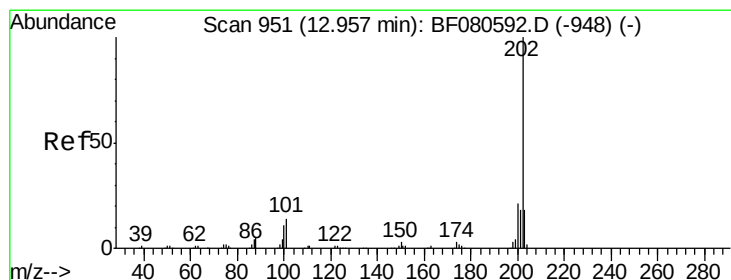
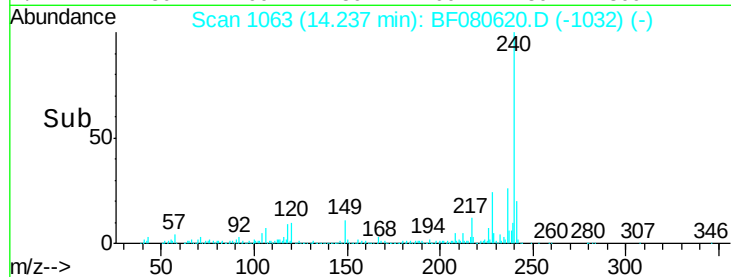
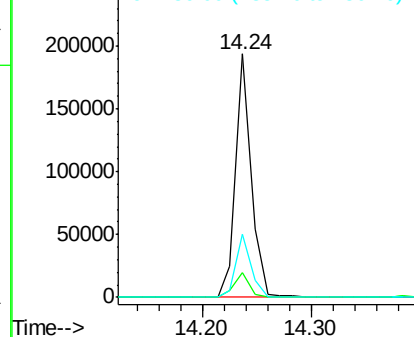


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 21.03 ng

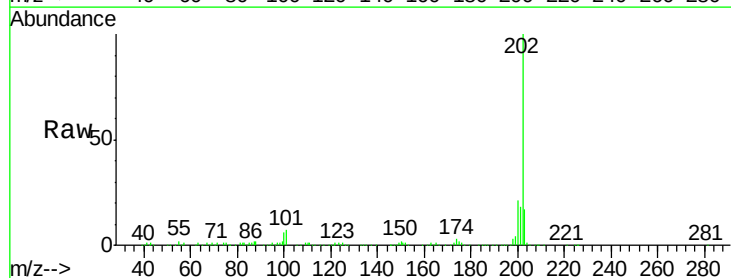
RT: 12.95 min Scan# 950

Delta R.T. 0.02 min

Lab File: BF080620.D

Acq: 24 Jul 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	270060		
200	20.7	16.9	25.3	
203	17.3	14.5	21.7	

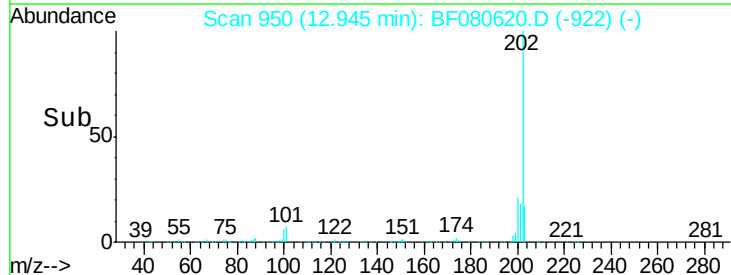
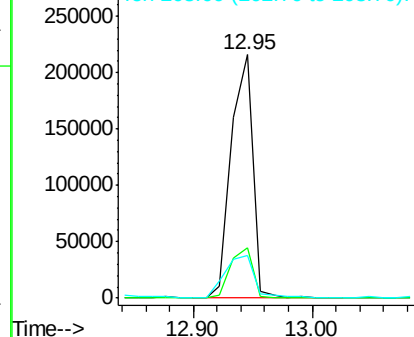


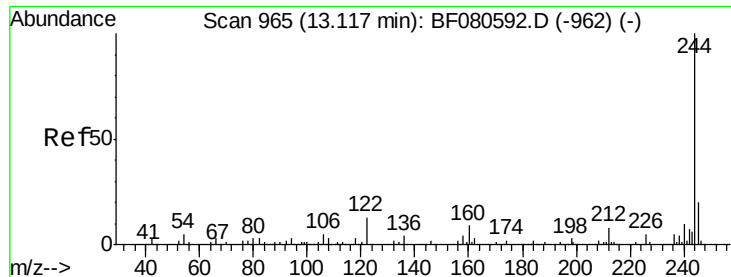
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





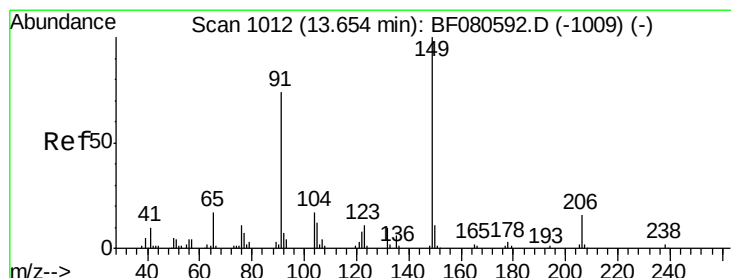
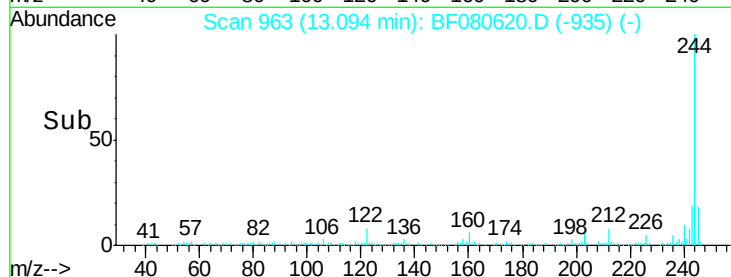
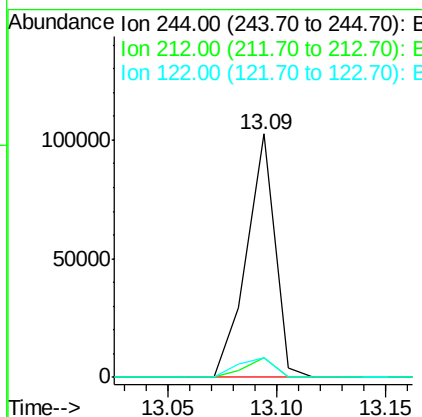
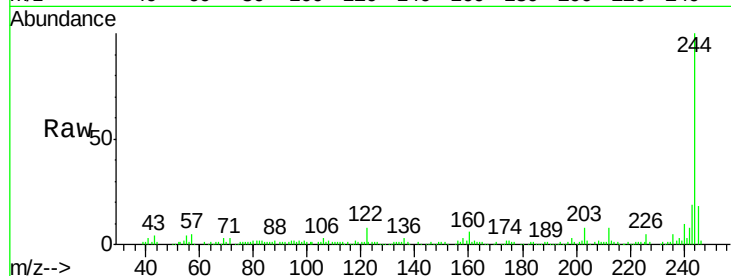
#78
 Terphenyl-d14
 Concen: 10.20 ng
 RT: 13.09 min Scan# 963
 Delta R.T. 0.02 min
 Lab File: BF080620.D
 Acq: 24 Jul 2015 5:24

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.9	6.0	9.0
122	8.2	8.2	12.2

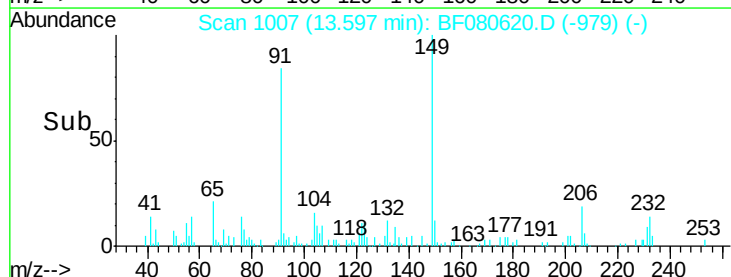
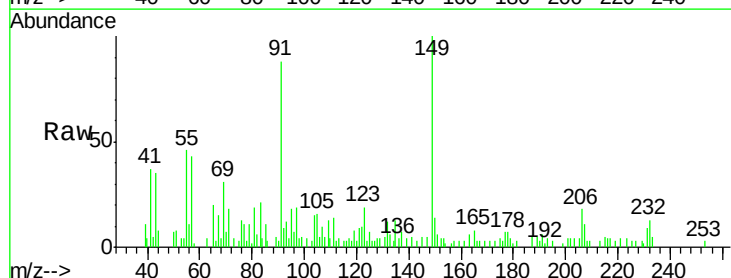
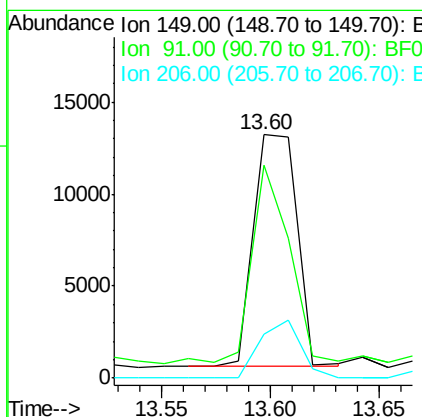
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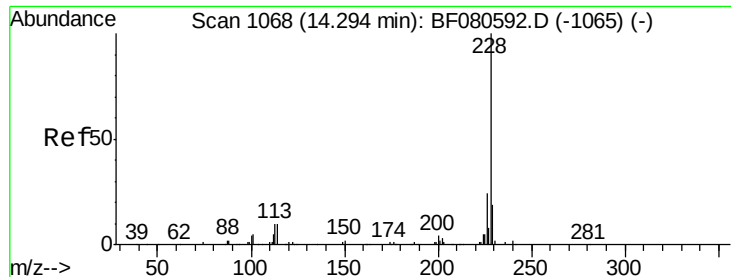
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#79
 Butylbenzylphthalate
 Concen: 8.69 ng
 RT: 13.60 min Scan# 1007
 Delta R.T. 0.02 min
 Lab File: BF080620.D
 Acq: 24 Jul 2015 5:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	87.5	53.0	79.6#
206	17.8	15.0	22.6





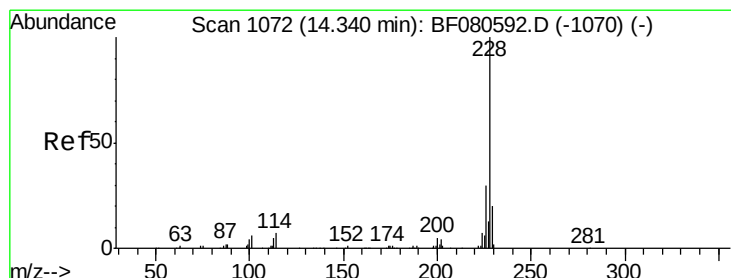
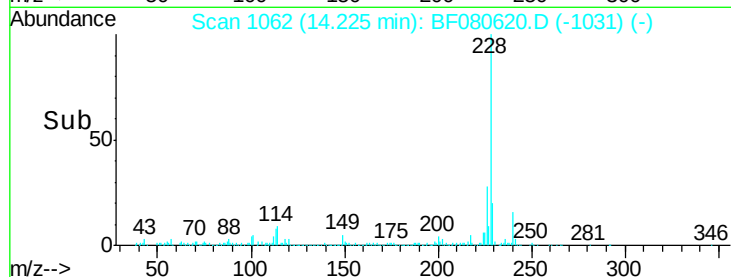
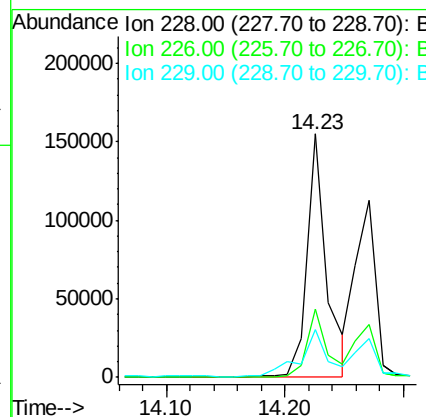
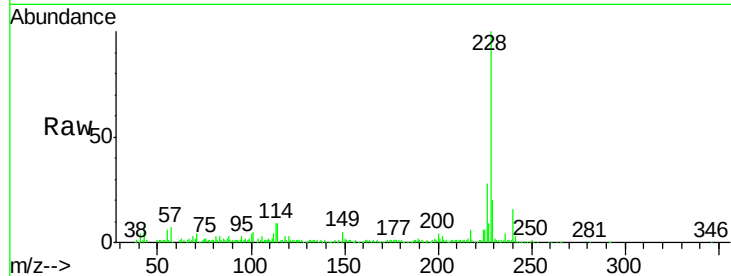
#80
Benzo(a)anthracene
Concen: 16.60 ng
RT: 14.23 min Scan# 1062
Delta R.T. 0.06 min
Lab File: BF080620.D
Acq: 24 Jul 2015 5:24

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

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	179117		
226	28.2	22.0	33.0	
229	19.9	15.7	23.5	

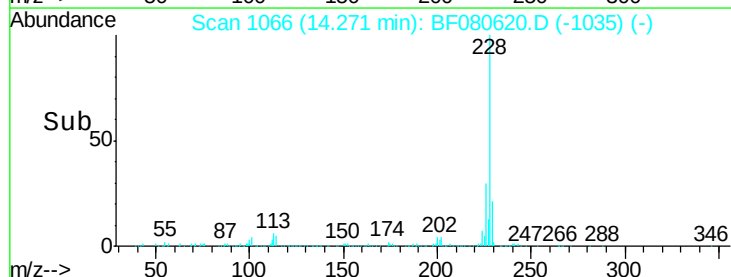
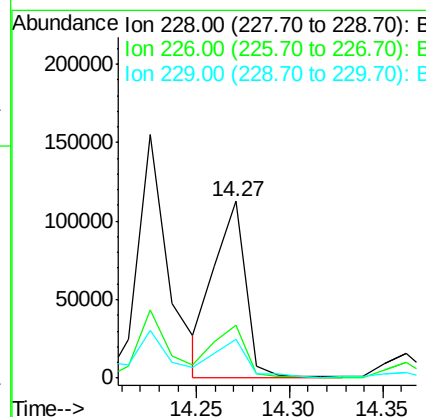
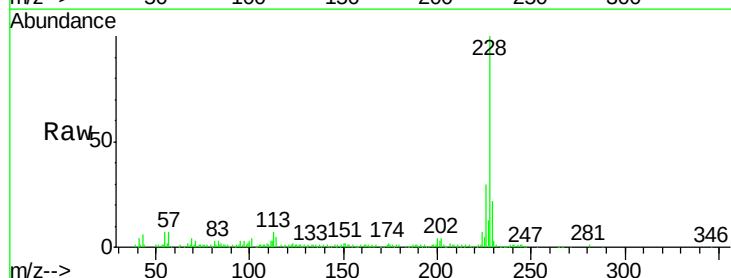
Manual Integrations
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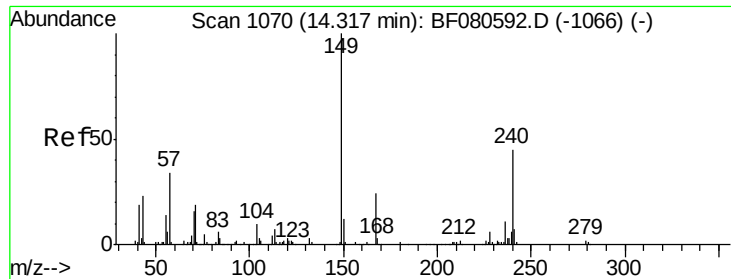
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#82
Chrysene
Concen: 12.46 ng
RT: 14.27 min Scan# 1066
Delta R.T. 0.06 min
Lab File: BF080620.D
Acq: 24 Jul 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	133820		
226	29.8	23.0	34.6	
229	21.8	15.0	22.4	





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.05 ng

RT: 14.24 min Scan# 1063

Delta R.T. 0.06 min

Lab File: BF080620.D

Acq: 24 Jul 2015 5:24

Instrument :

BNA_F

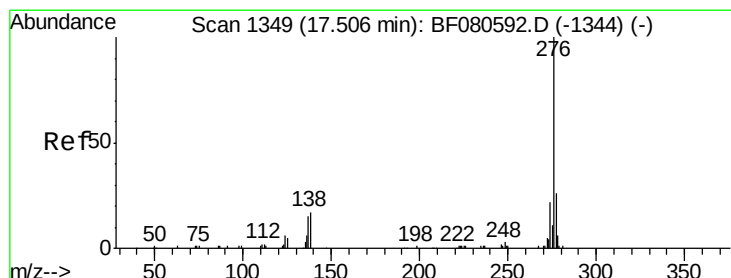
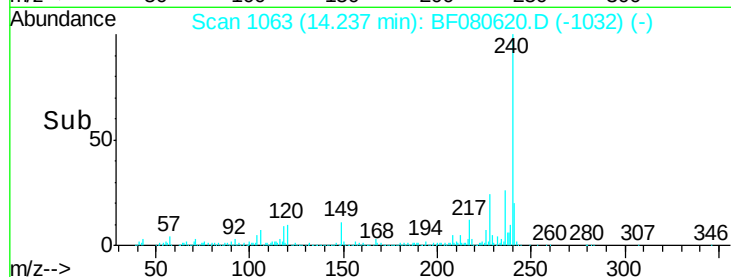
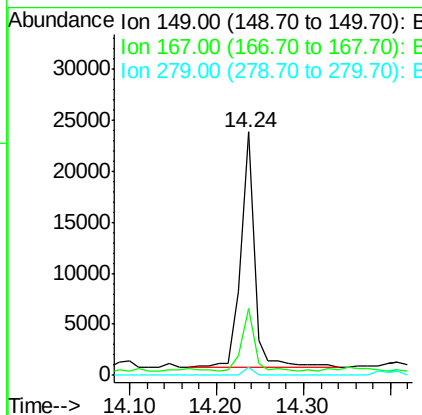
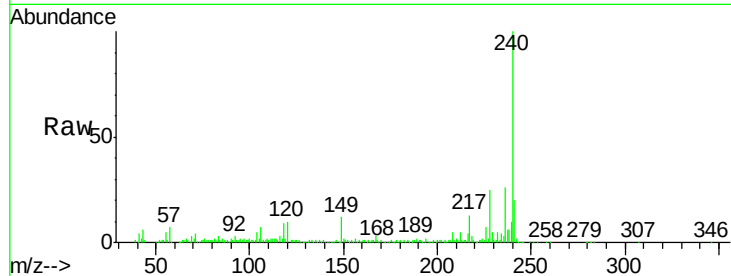
ClientSampleId :

FK-SF-03-003-A

Tgt Ion:	149	Resp:	25446
Ion Ratio	Lower	Upper	
149	100		
167	27.8	20.2	30.2
279	3.4	2.0	3.0#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.37 ng

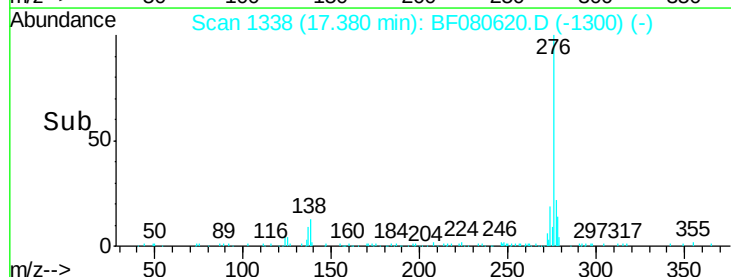
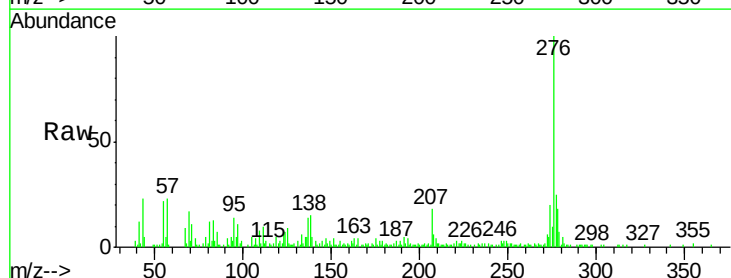
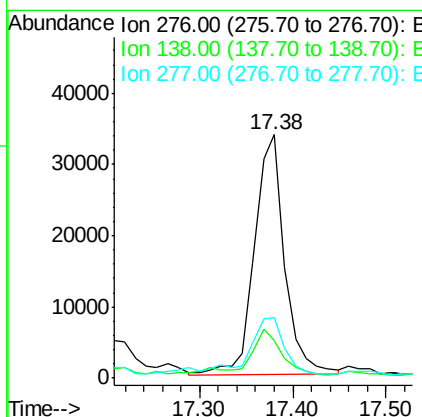
RT: 17.38 min Scan# 1338

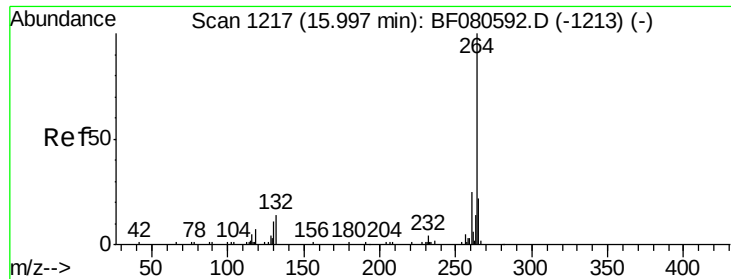
Delta R.T. 0.14 min

Lab File: BF080620.D

Acq: 24 Jul 2015 5:24

Tgt Ion:	276	Resp:	76067
Ion Ratio	Lower	Upper	
276	100		
138	17.3	18.9	28.3#
277	30.3	19.9	29.9#





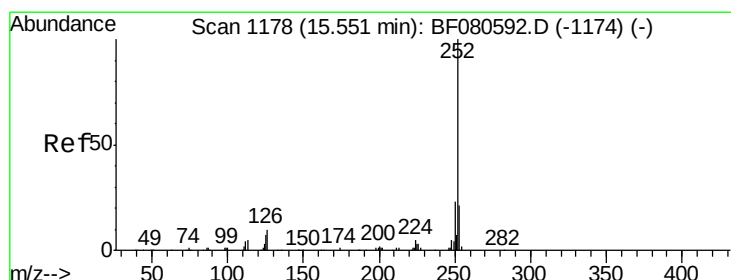
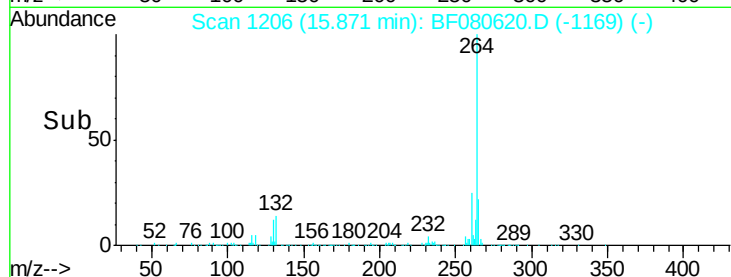
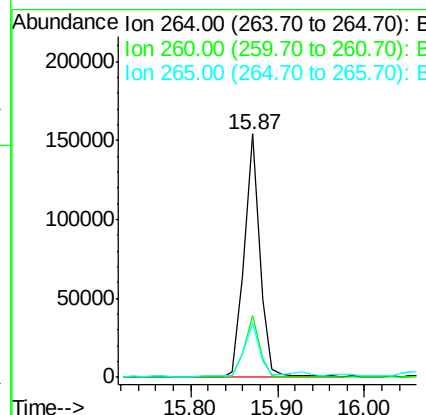
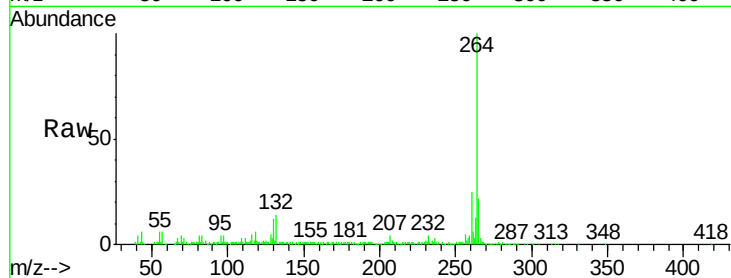
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.87 min Scan# 1206
Delta R.T. 0.13 min
Lab File: BF080620.D
Acq: 24 Jul 2015 5:24

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

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	195290		
260	25.4	17.8	26.8	
265	22.3	15.6	23.4	

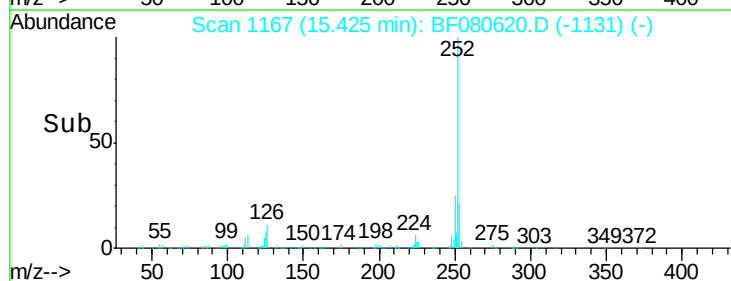
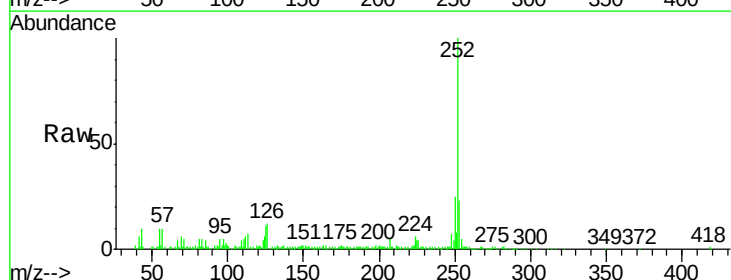
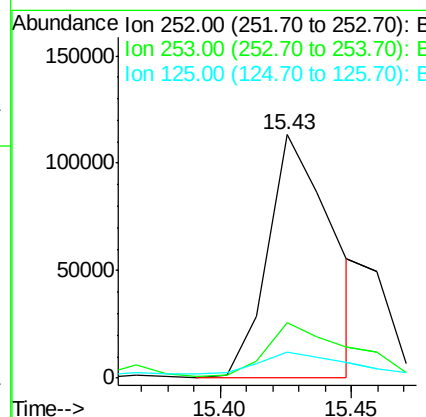
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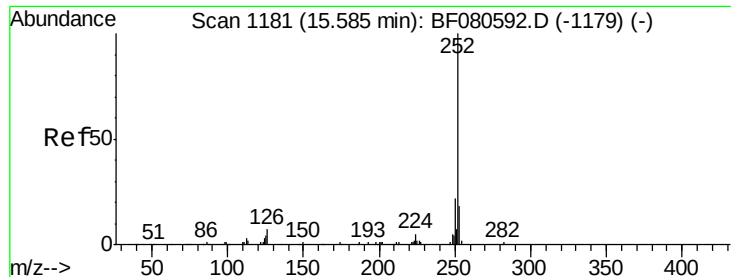
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#87
Benzo(b)fluoranthene
Concen: 16.51 ng m
RT: 15.43 min Scan# 1167
Delta R.T. 0.11 min
Lab File: BF080620.D
Acq: 24 Jul 2015 5:24

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	196135		
253	22.5	16.6	25.0	
125	10.7	6.1	9.1#	





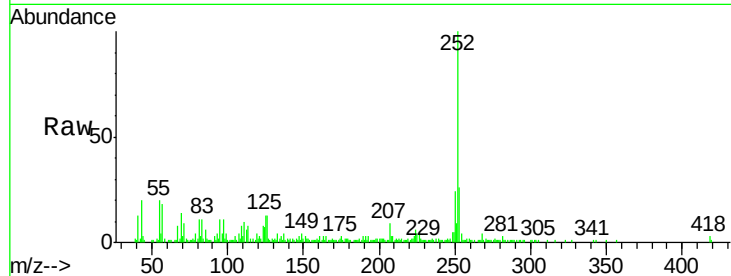
#88
Benzo(k)fluoranthene
Concen: 3.59 ng m
RT: 15.45 min Scan# 1169
Delta R.T. 0.10 min
Lab File: BF080620.D
Acq: 24 Jul 2015 5:24

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

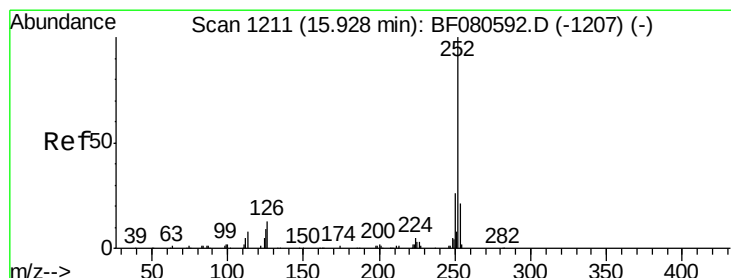
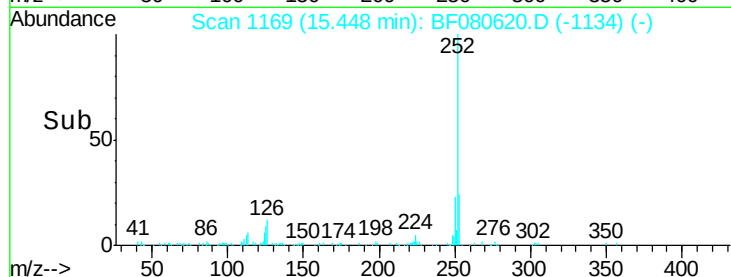
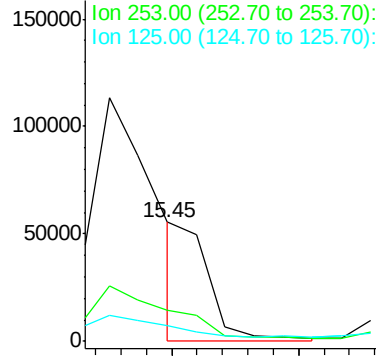
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.0	25.6#
125	13.1	8.6	13.0#

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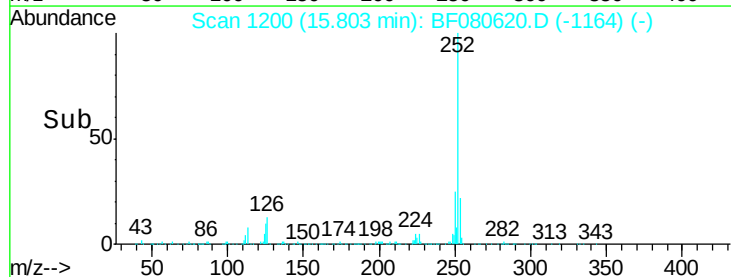
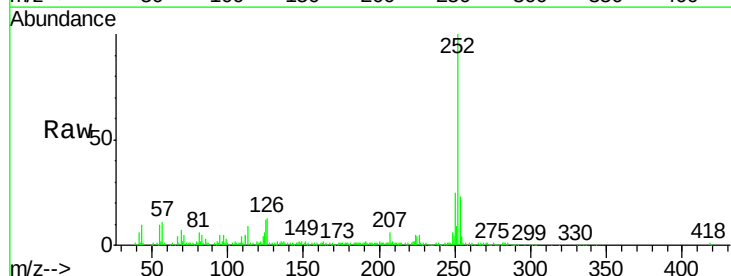
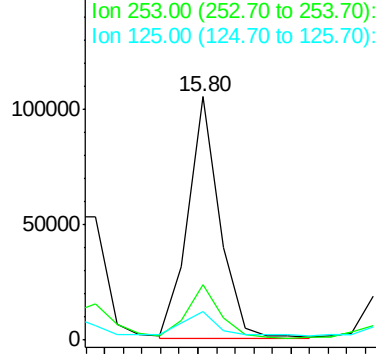
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

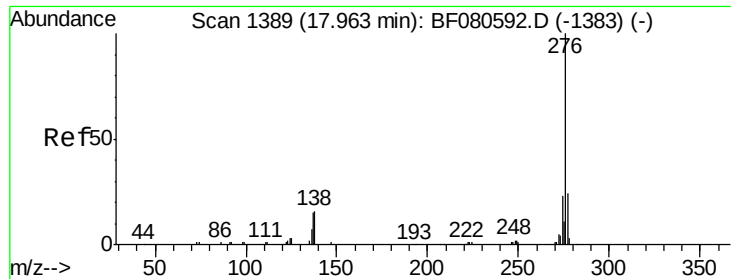


#89
Benzo(a)pyrene
Concen: 11.91 ng
RT: 15.80 min Scan# 1200
Delta R.T. 0.11 min
Lab File: BF080620.D
Acq: 24 Jul 2015 5:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.0	28.6
125	11.7	11.2	16.8

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





#91
 Benzo(g,h,i)perylene
 Concen: 6.76 ng
 RT: 17.83 min Scan# 1377
 Delta R.T. 0.15 min
 Lab File: BF080620.D
 Acq: 24 Jul 2015 5:24

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

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.0	27.0
138	17.3	17.8	26.6

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