

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052915\
 Data File : BF079589.D
 Acq On : 30 May 2015 7:05
 Operator : TP/IZ
 Sample : G2405-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-016-B

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Quant Time: May 31 06:10:04 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 17:35:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	92823	20.00	ng	-0.01
21) Naphthalene-d8	8.52	136	373129	20.00	ng	-0.01
38) Acenaphthene-d10	10.70	164	168347	20.00	ng	-0.01
63) Phenanthrene-d10	12.52	188	308857	20.00	ng	-0.01
75) Chrysene-d12	15.81	240	306050	20.00	ng	-0.03
86) Perylene-d12	17.54	264	334295	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	485745	90.77	ng	-0.01
7) Phenol-d6	6.55	99	624397	91.54	ng	-0.01
23) Nitrobenzene-d5	7.66	82	349487	54.14	ng	-0.01
41) 2,4,6-Tribromophenol	11.67	330	162673	87.98	ng	-0.02
44) 2-Fluorobiphenyl	9.87	172	634974	53.81	ng	-0.01
78) Terphenyl-d14	14.51	244	636908	48.84	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	10.51	152	62089	3.60	ng	99
49) Dimethylphthalate	10.39	163	107140	8.64	ng	99
54) Dibenzofuran	10.95	168	30047	2.07	ng	95
57) Fluorene	11.37	166	49514m	4.13	ng	
70) Phenanthrene	12.55	178	672960	39.72	ng	99
71) Anthracene	12.62	178	210272	12.22	ng	100
74) Fluoranthene	14.02	202	897790	49.41	ng	95
77) Pyrene	14.30	202	765013	40.35	ng	97
80) Benzo(a)anthracene	15.79	228	437809	24.87	ng	97
82) Chrysene	15.83	228	366679m	21.91	ng	
85) Indeno(1,2,3-cd)pyrene	18.85	276	176169	8.18	ng	94
87) Benzo(b)fluoranthene	17.10	252	450845m	23.65	ng	
88) Benzo(k)fluoranthene	17.13	252	130707m	7.67	ng	
89) Benzo(a)pyrene	17.49	252	313853	17.60	ng	97
91) Benzo(a,h,i)perylene	19.22	276	157082	6.80	ng	96

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

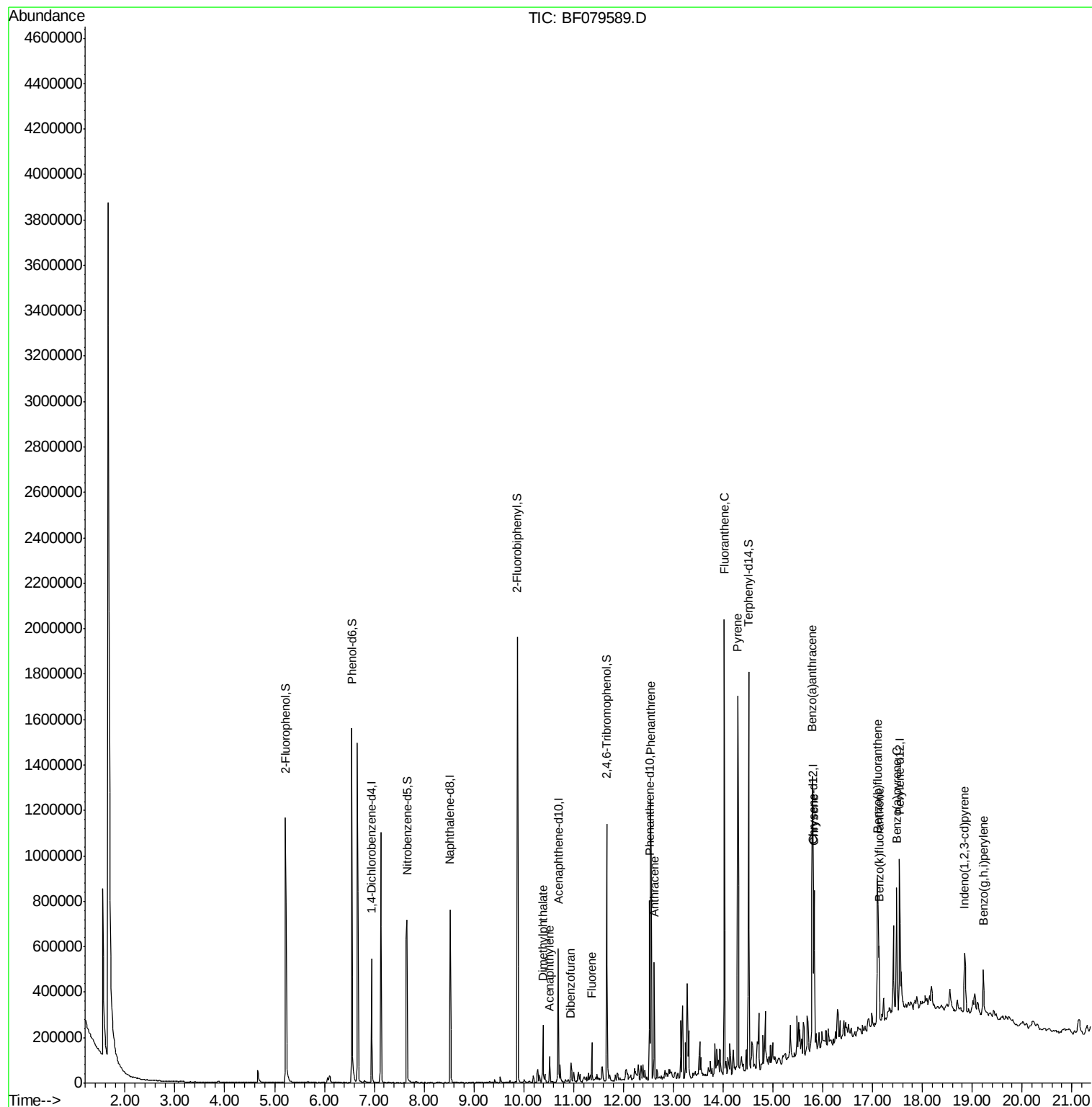
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052915\
Data File : BF079589.D
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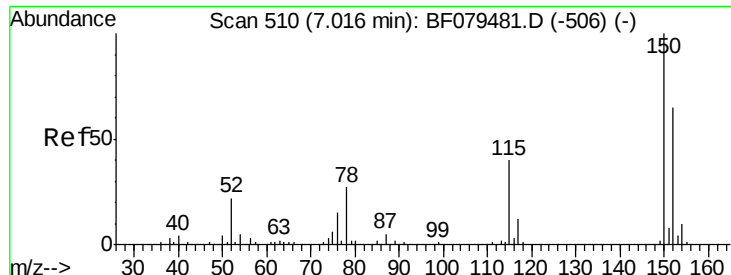
Instrument :
BNA_F
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FK-GF-01-016-B

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Quant Time: May 31 06:10:04 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
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#1

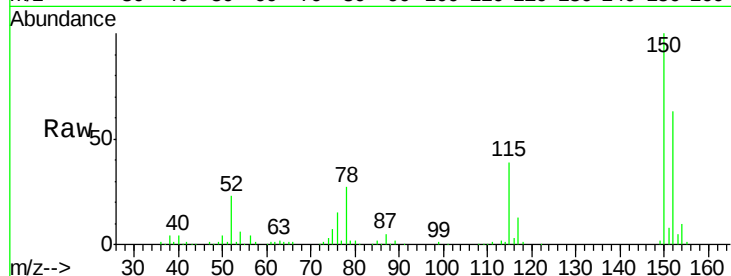
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF079589.D
Acq: 30 May 2015 7:05

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-016-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.0	186.0
115	62.6	49.6	74.4

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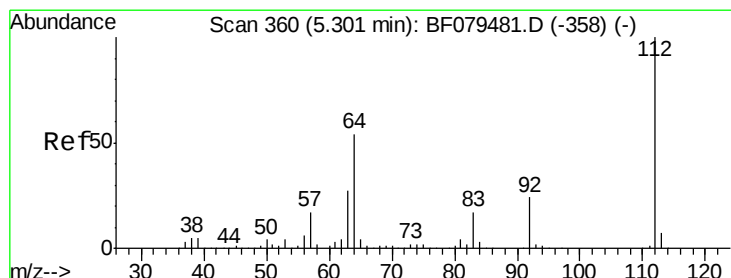
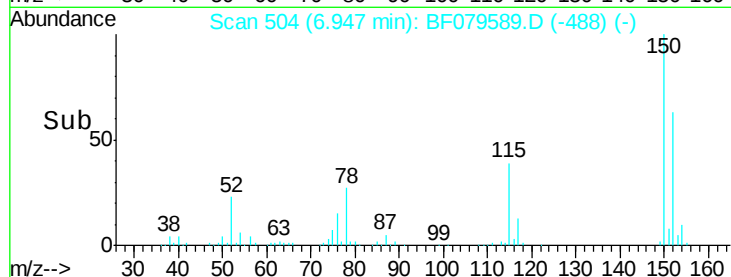
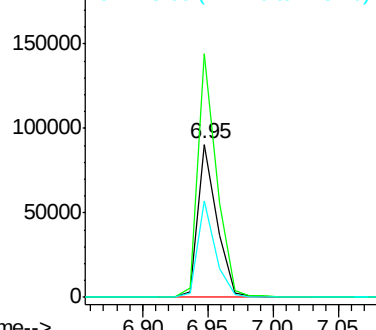


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

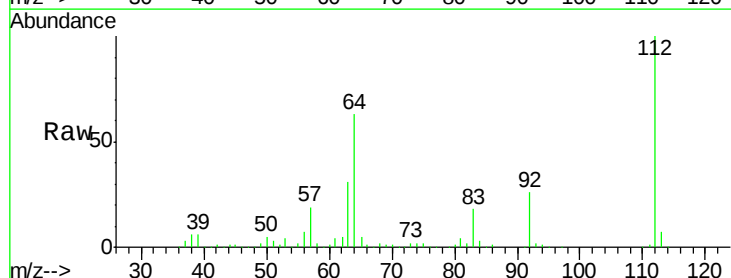
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.77 ng
RT: 5.22 min Scan# 353
Delta R.T. -0.01 min
Lab File: BF079589.D
Acq: 30 May 2015 7:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	43.5	65.3
63	31.1	21.8	32.8

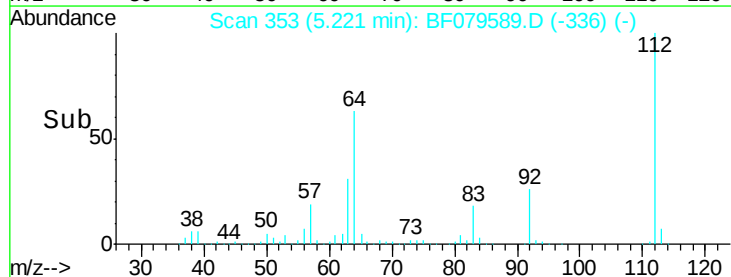
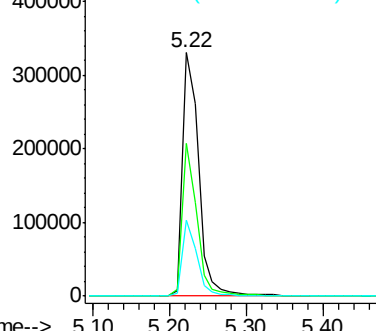


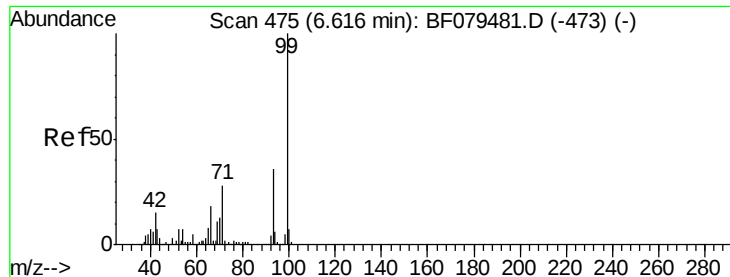
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.54 ng

RT: 6.55 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF079589.D

Acq: 30 May 2015 7:05

Instrument :

BNA_F

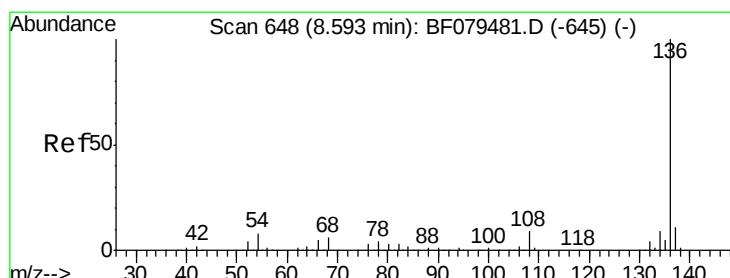
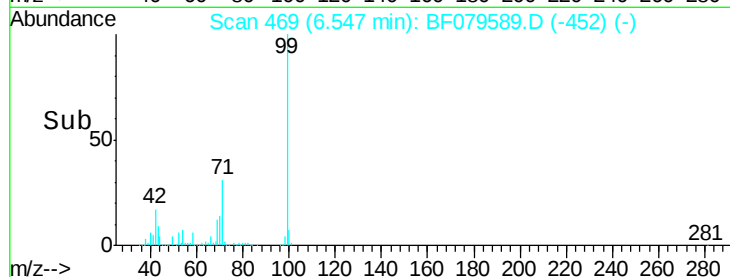
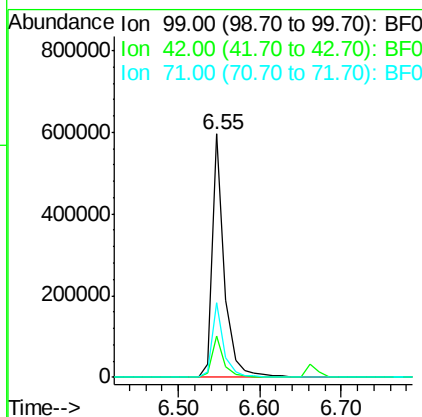
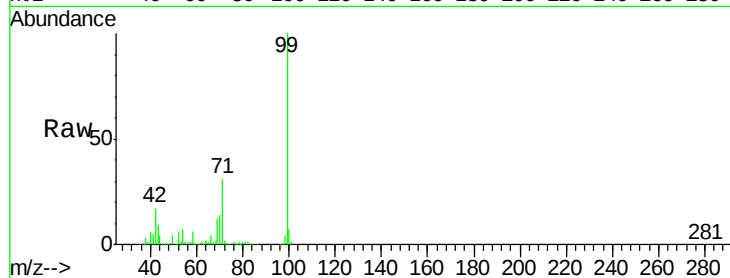
ClientSampleId :

FK-GF-01-016-B

Tot Ion:	99	Resp:	624397
Ion Ratio	Lower	Upper	
99	100		
42	16.8	11.9	17.9
71	30.9	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

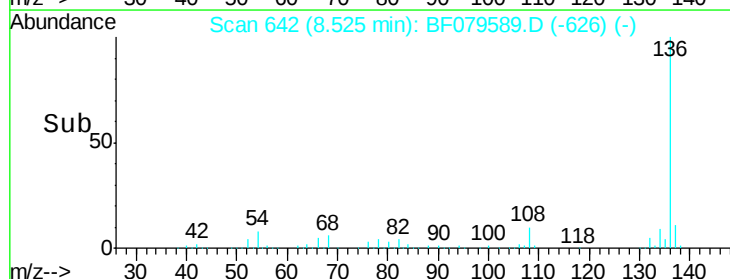
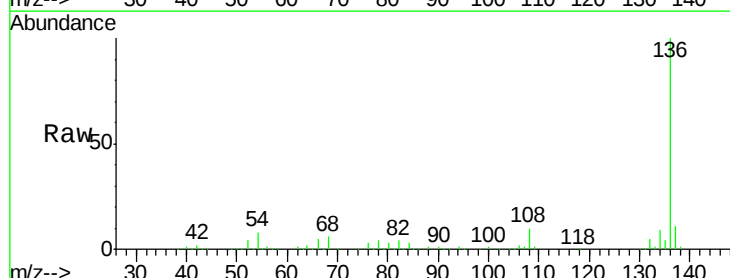
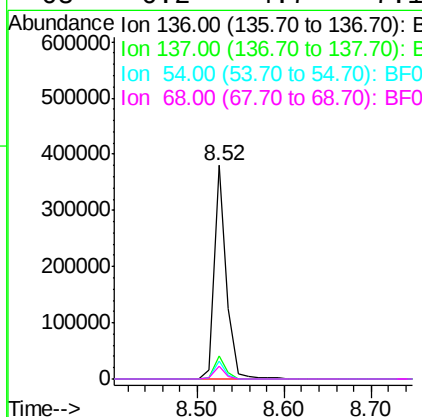
RT: 8.52 min Scan# 642

Delta R.T. -0.01 min

Lab File: BF079589.D

Acq: 30 May 2015 7:05

Tgt Ion:	136	Resp:	373129
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	8.4	6.6	9.8
68	6.2	4.7	7.1





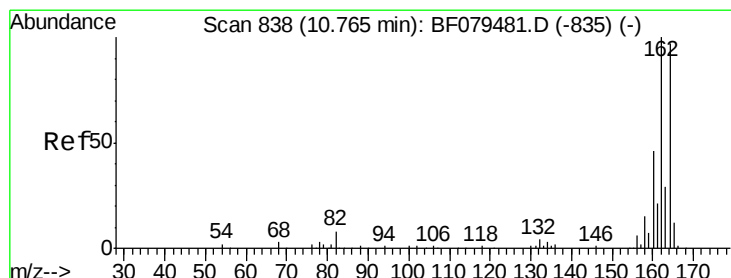
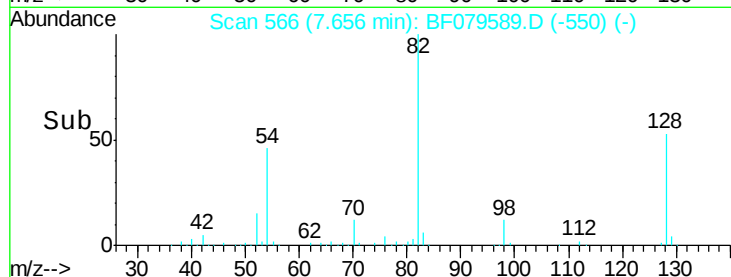
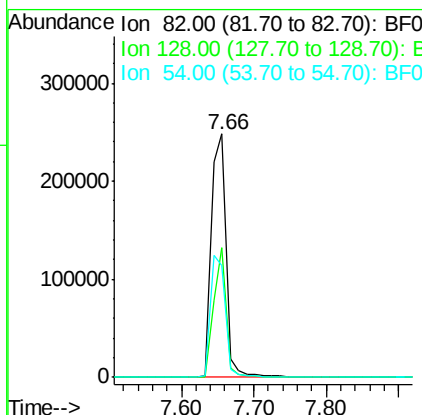
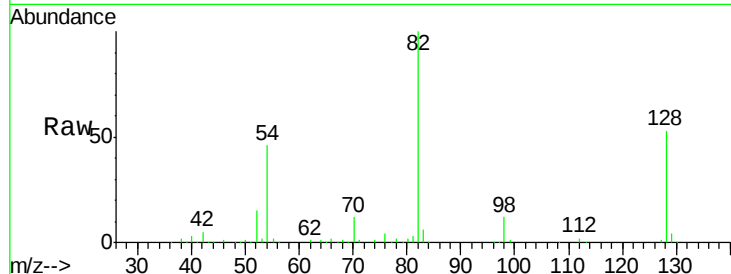
#23
 Nitrobenzene-d5
 Concen: 54.14 ng
 RT: 7.66 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: BF079589.D
 Acq: 30 May 2015 7:05

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-016-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100	349487		
128	53.2	30.8	46.2#	
54	46.1	42.8	64.2	

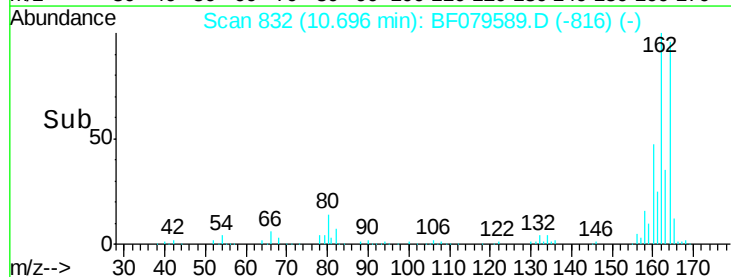
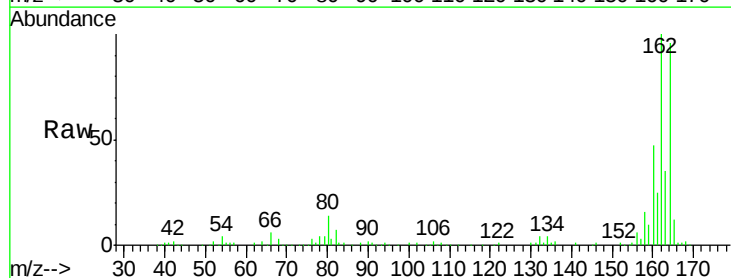
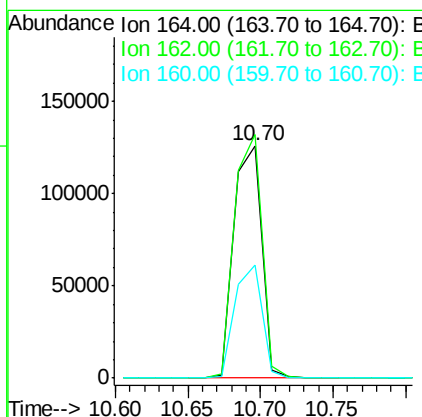
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.70 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF079589.D
 Acq: 30 May 2015 7:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	168347		
162	104.7	82.6	124.0	
160	48.7	37.7	56.5	





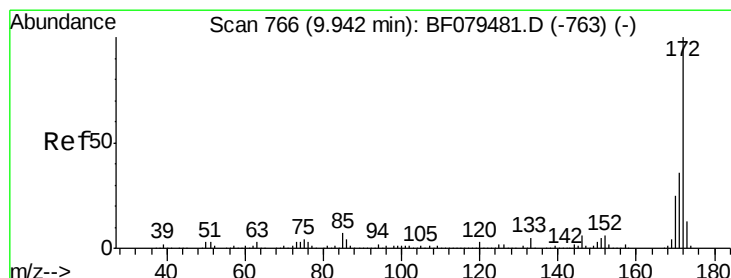
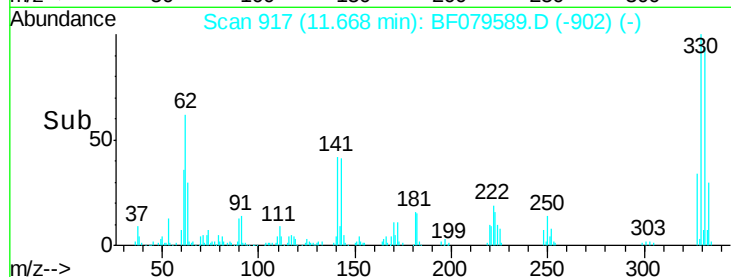
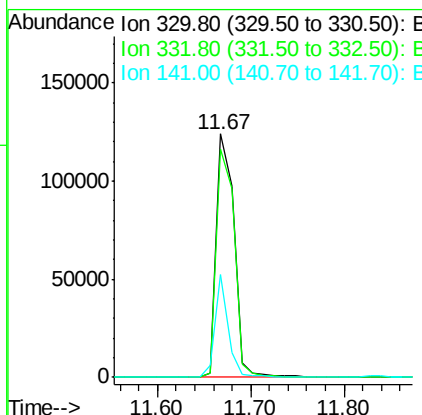
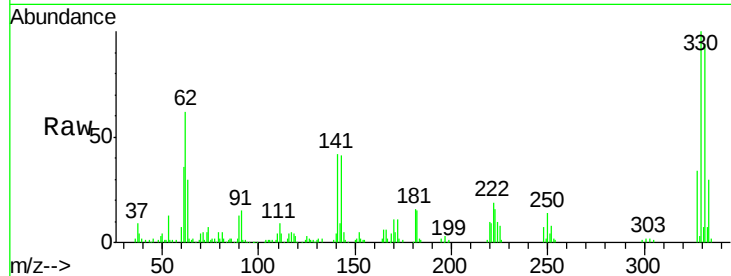
#41
 2,4,6-Tribromophenol
 Concen: 87.98 ng
 RT: 11.67 min Scan# 917
 Delta R.T. -0.02 min
 Lab File: BF079589.D
 Acq: 30 May 2015 7:05

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-016-B

Tot Ion:	330	Resp:	162673
Ion Ratio	Lower	Upper	
330	100		
332	95.8	0.0	0.0#
141	31.7	0.0	0.0#

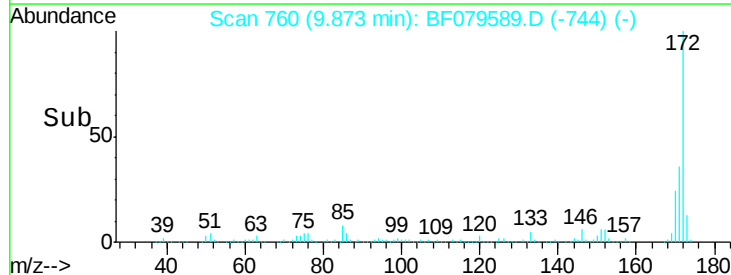
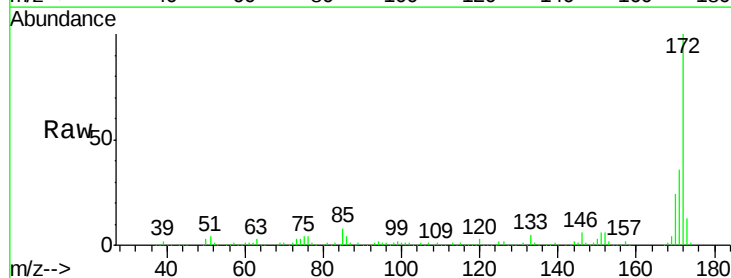
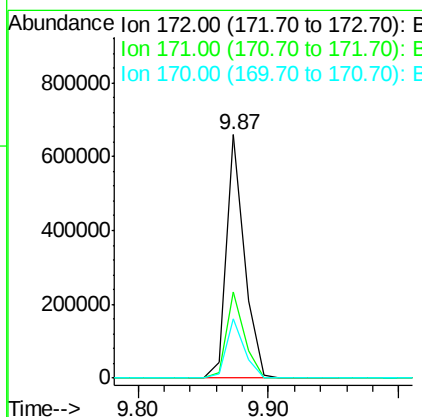
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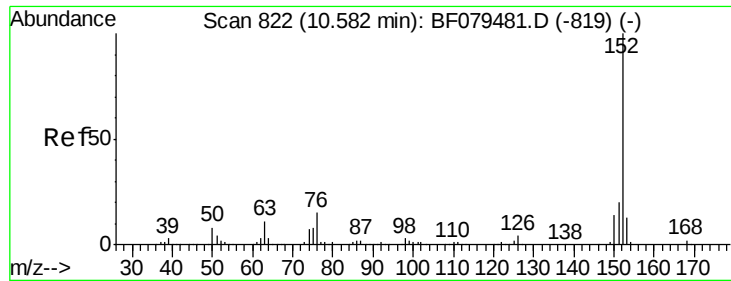
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#44
 2-Fluorobiphenyl
 Concen: 53.81 ng
 RT: 9.87 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF079589.D
 Acq: 30 May 2015 7:05

Tgt Ion:	172	Resp:	634974
Ion Ratio	Lower	Upper	
172	100		
171	35.5	28.5	42.7
170	24.4	19.7	29.5





#48

Acenaphthylene

Concen: 3.60 ng

RT: 10.51 min Scan# 816

Delta R.T. -0.02 min

Lab File: BF079589.D

Acq: 30 May 2015 7:05

Instrument :

BNA_F

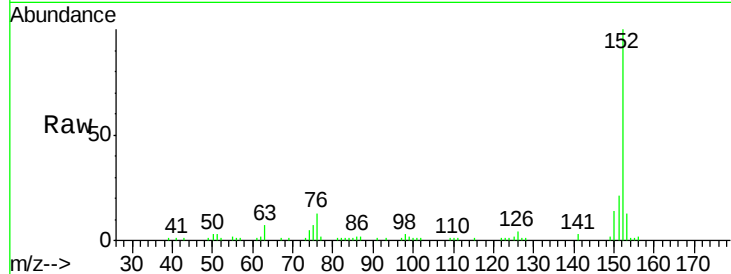
ClientSampleId :

FK-GF-01-016-B

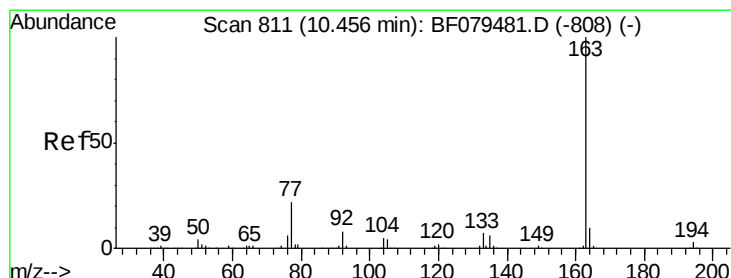
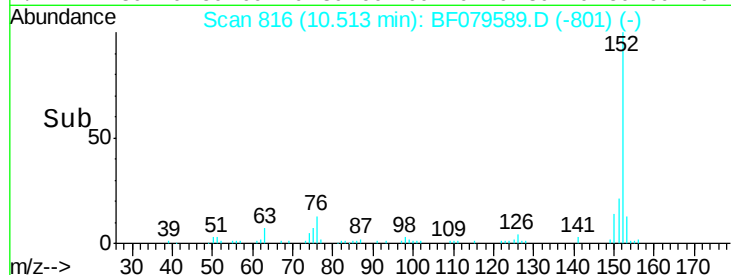
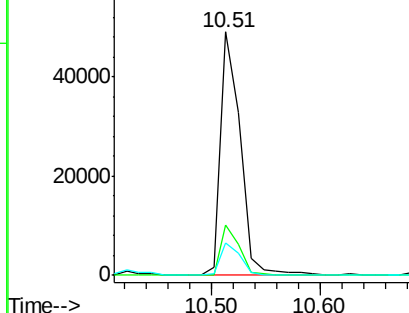
Tot Ion:	152	Resp:	62089
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.8	23.8
153	13.4	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 8.64 ng

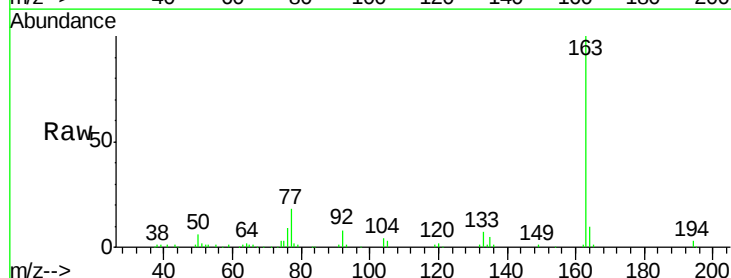
RT: 10.39 min Scan# 805

Delta R.T. -0.02 min

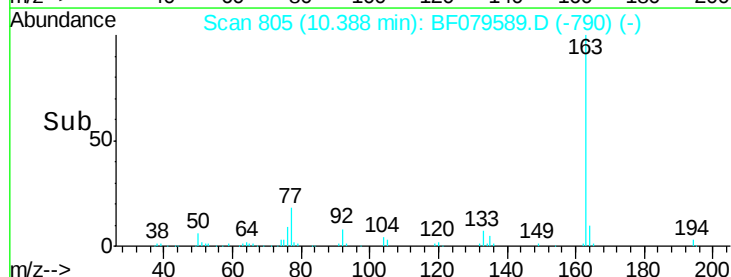
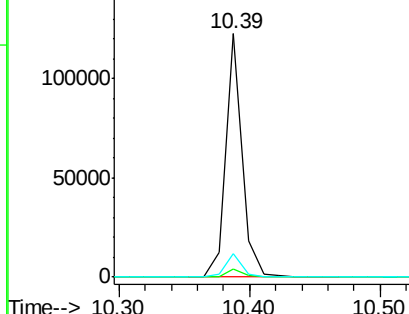
Lab File: BF079589.D

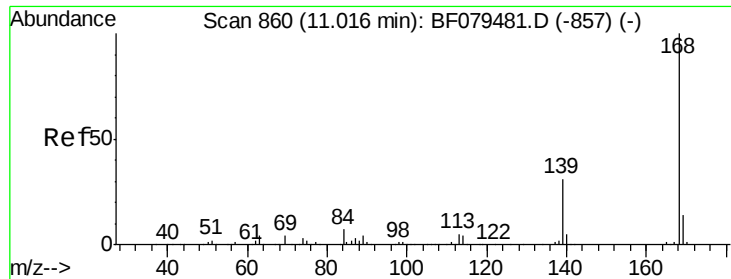
Acq: 30 May 2015 7:05

Tgt Ion:	163	Resp:	107140
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.4	3.6
164	9.7	8.2	12.4



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





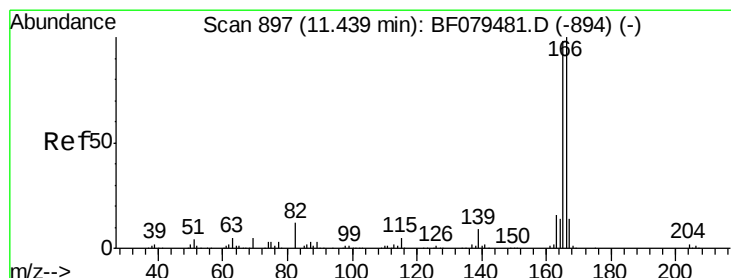
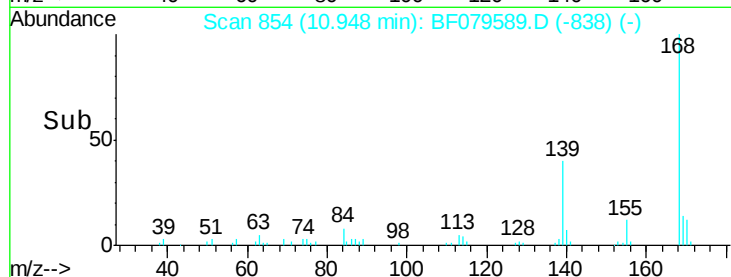
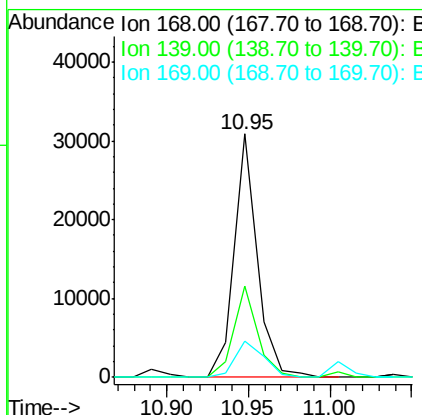
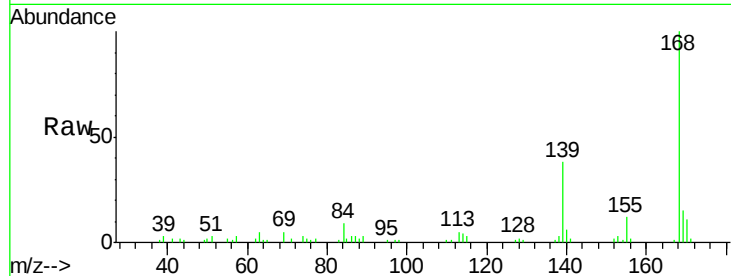
#54
Dibenzenofuran
Concen: 2.07 ng
RT: 10.95 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF079589.D
Acq: 30 May 2015 7:05

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-016-B

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.8	32.9	49.3
169	14.7	11.1	16.7

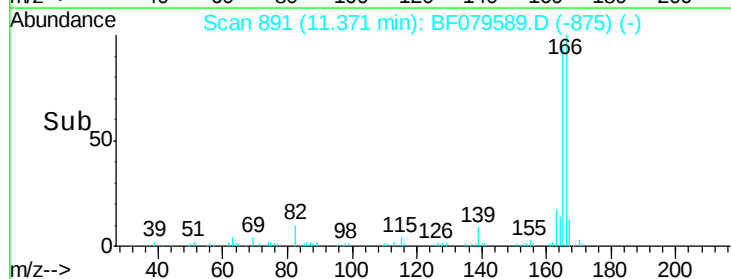
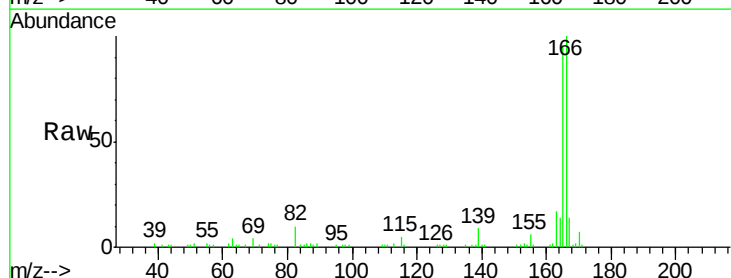
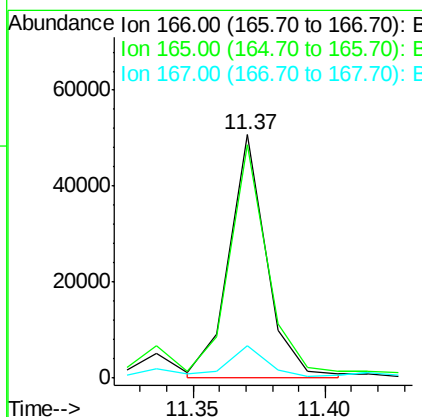
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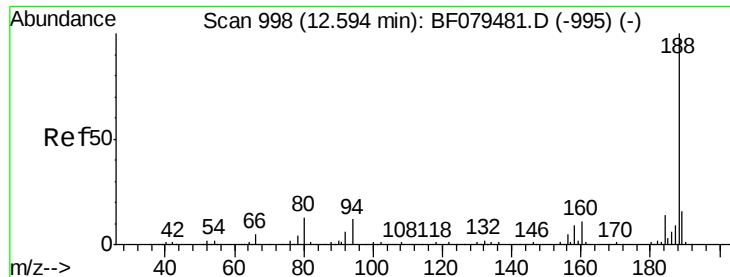
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#57
Fluorene
Concen: 4.13 ng m
RT: 11.37 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF079589.D
Acq: 30 May 2015 7:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.6	117.8
167	13.5	10.8	16.2





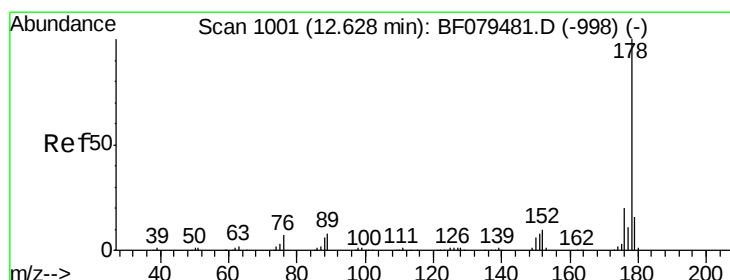
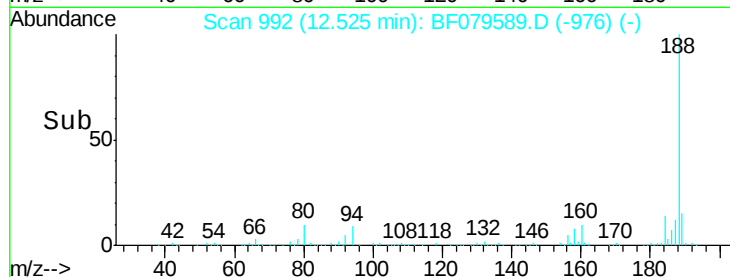
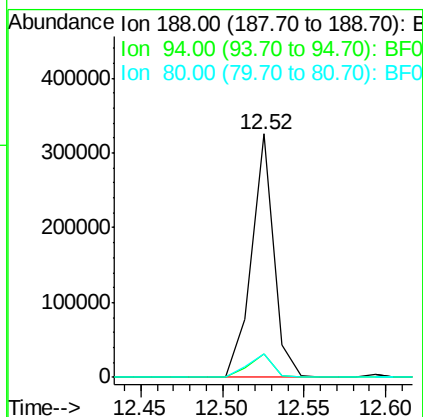
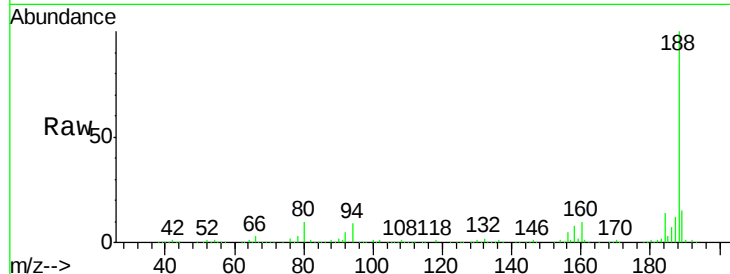
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.52 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF079589.D
Acq: 30 May 2015 7:05

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-016-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	9.8	14.6#
80	9.7	10.5	15.7#

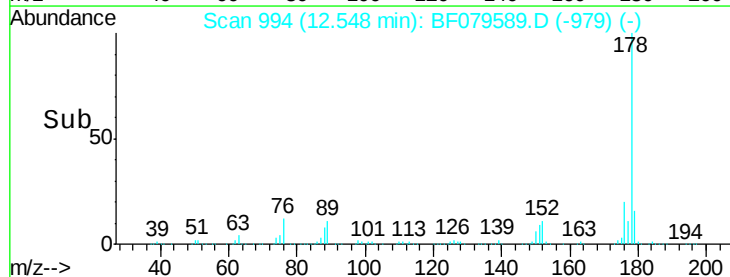
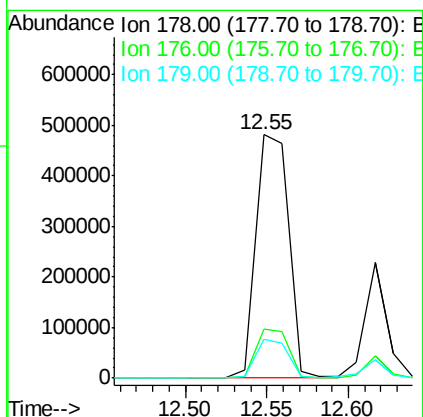
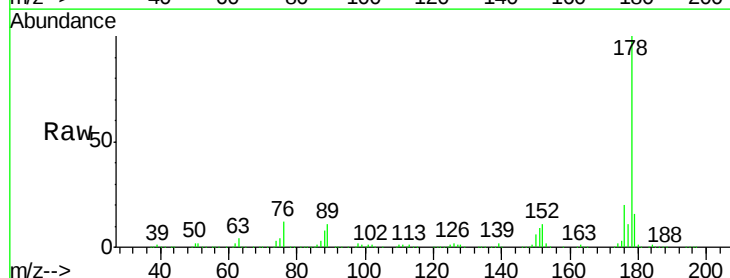
Manual Integrations
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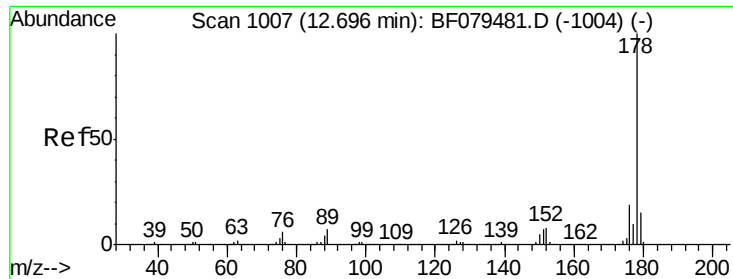
apatel
6/1/2015 4:22:31 PM



#70
Phenanthrene
Concen: 39.72 ng
RT: 12.55 min Scan# 994
Delta R.T. -0.02 min
Lab File: BF079589.D
Acq: 30 May 2015 7:05

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	15.7	23.5
179	15.9	12.4	18.6





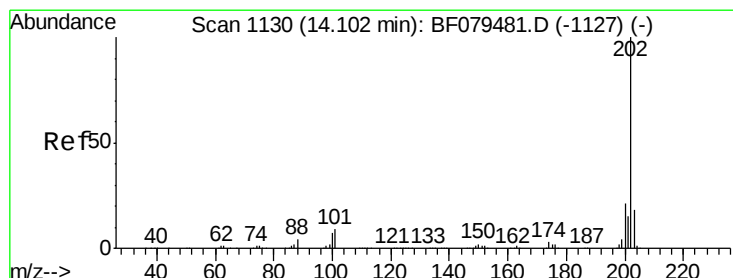
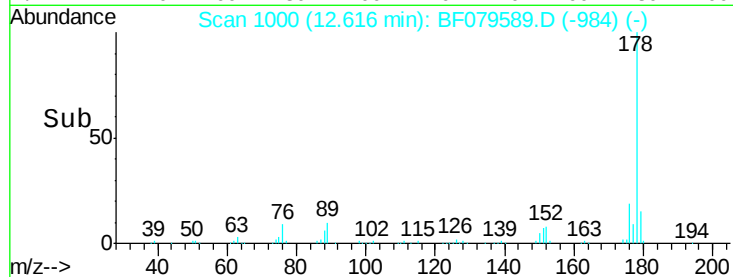
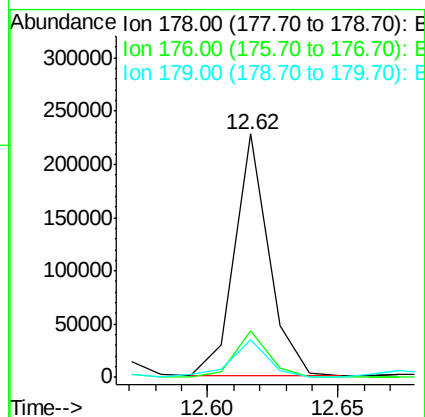
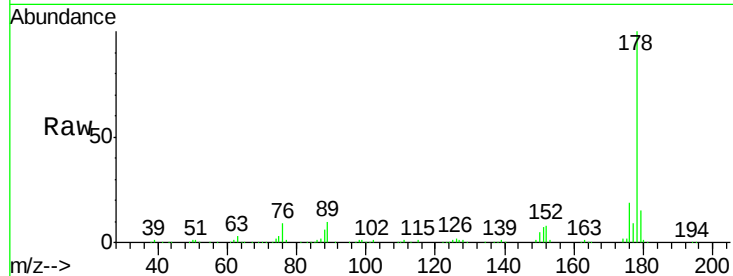
#71
 Anthracene
 Concen: 12.22 ng
 RT: 12.62 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: BF079589.D
 Acq: 30 May 2015 7:05

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-016-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.2	18.4

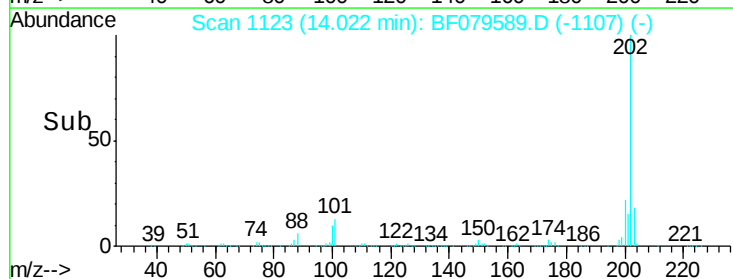
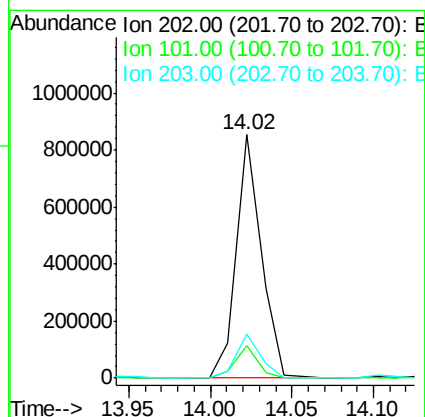
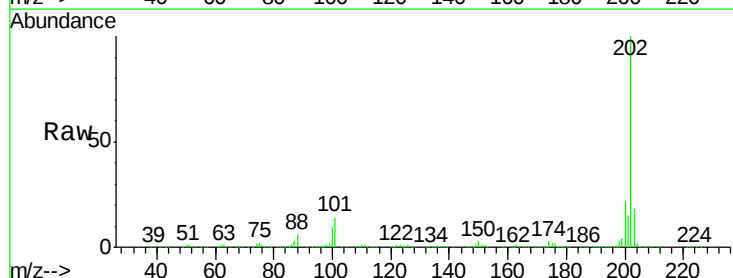
Manual Integrations
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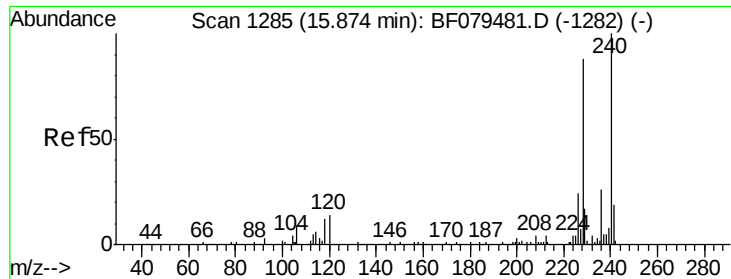
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#74
 Fluoranthene
 Concen: 49.41 ng
 RT: 14.02 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: BF079589.D
 Acq: 30 May 2015 7:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	29.3
203	18.1	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.81 min Scan# 1279

Delta R.T. -0.03 min

Lab File: BF079589.D

Acq: 30 May 2015 7:05

Instrument :

BNA_F

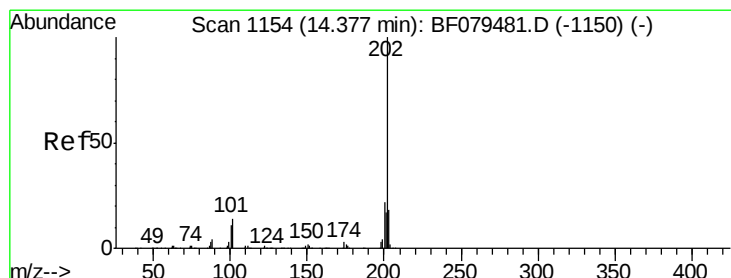
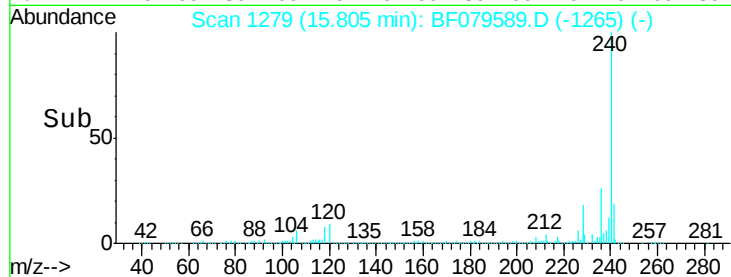
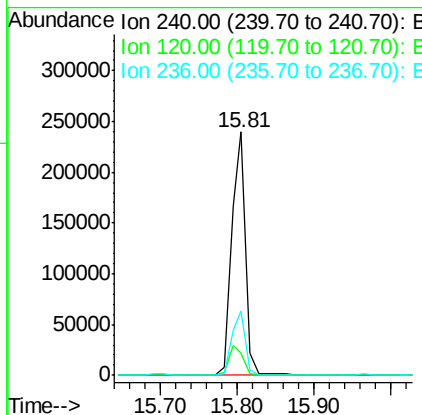
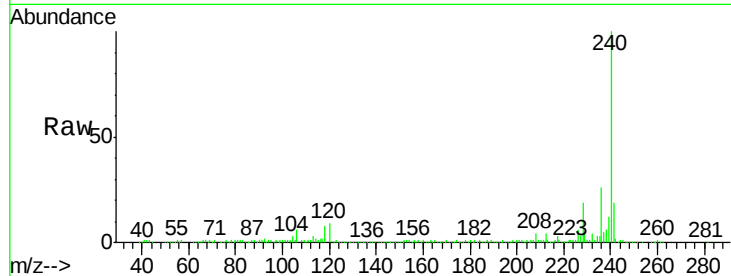
ClientSampleId :

FK-GF-01-016-B

Tot Ion:	240	Resp:	306050
Ion Ratio	Lower	Upper	
240	100		
120	9.3	10.8	16.2#
236	26.2	21.0	31.6

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#77

Pyrene

Concen: 40.35 ng

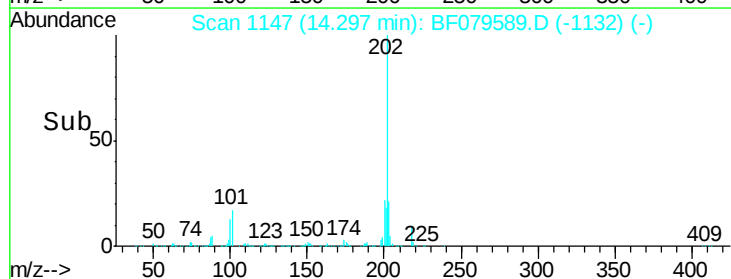
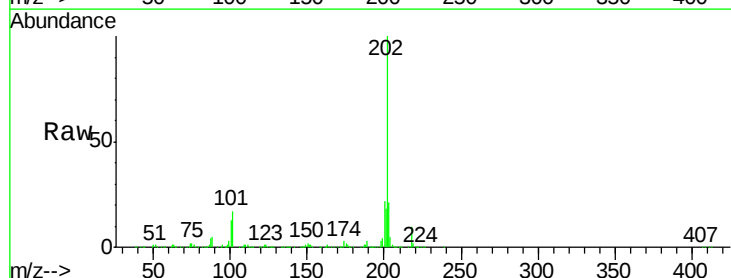
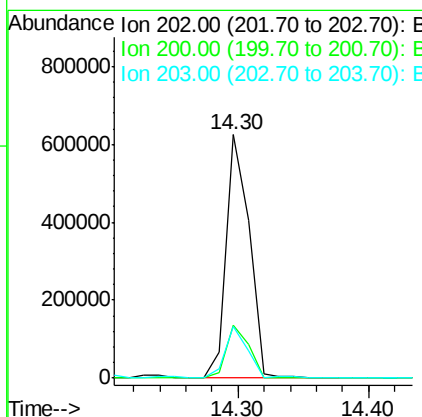
RT: 14.30 min Scan# 1147

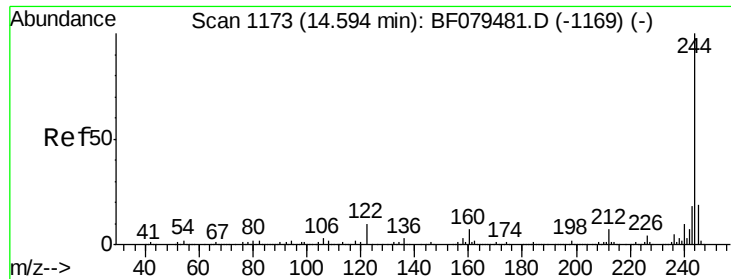
Delta R.T. -0.02 min

Lab File: BF079589.D

Acq: 30 May 2015 7:05

Tgt Ion:	202	Resp:	765013
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.5	26.3
203	21.0	14.4	21.6





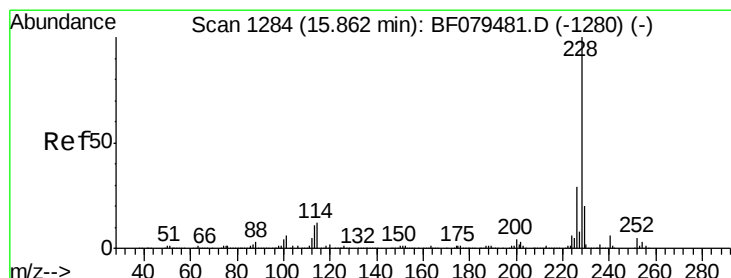
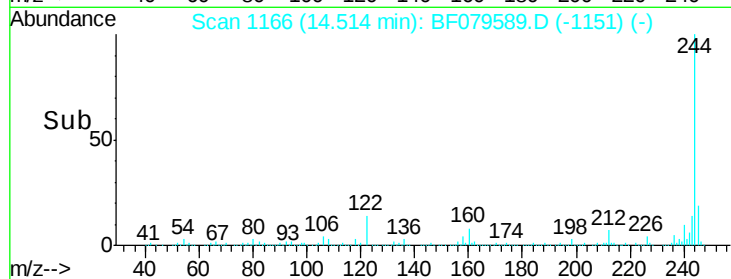
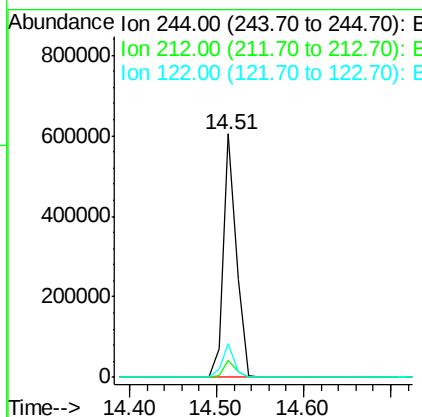
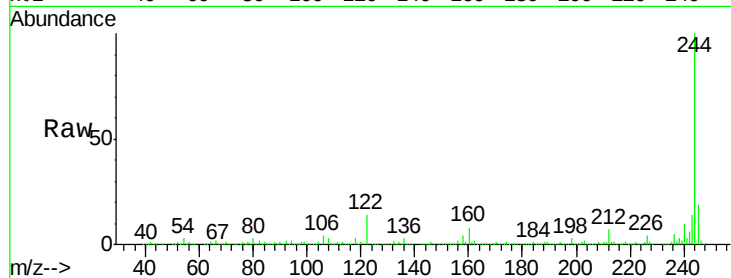
#78
 Terphenyl-d14
 Concen: 48.84 ng
 RT: 14.51 min Scan# 1166
 Delta R.T. -0.02 min
 Lab File: BF079589.D
 Acq: 30 May 2015 7:05

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-016-B

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.2	7.8
122	13.8	8.0	12.0

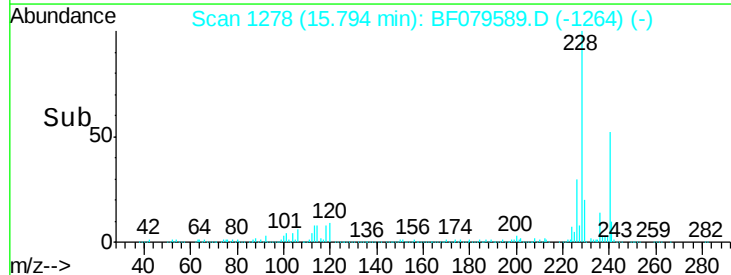
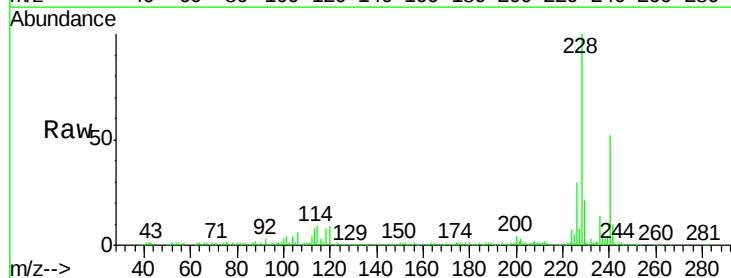
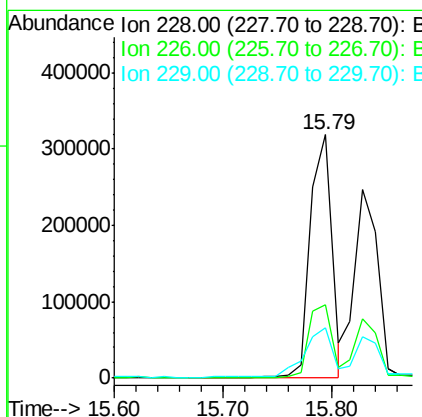
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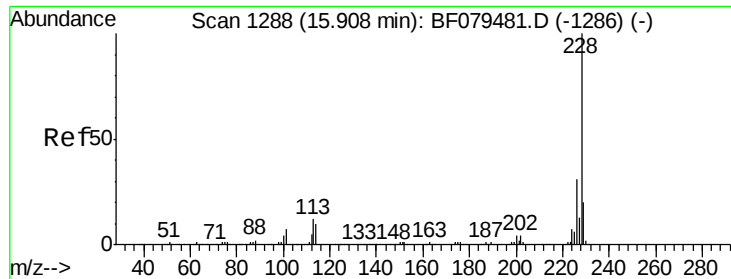
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#80
 Benzo(a)anthracene
 Concen: 24.87 ng
 RT: 15.79 min Scan# 1278
 Delta R.T. -0.03 min
 Lab File: BF079589.D
 Acq: 30 May 2015 7:05

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.2	22.8	34.2
229	20.6	15.9	23.9





#82

Chrysene

Concen: 21.91 ng/mL

RT: 15.83 min Scan# 1281

Delta R.T. -0.05 min

Lab File: BF079589.D

Acq: 30 May 2015 7:05

Instrument :

BNA_F

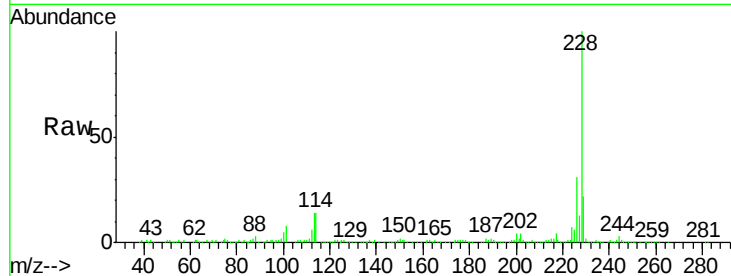
ClientSampleId :

FK-GF-01-016-B

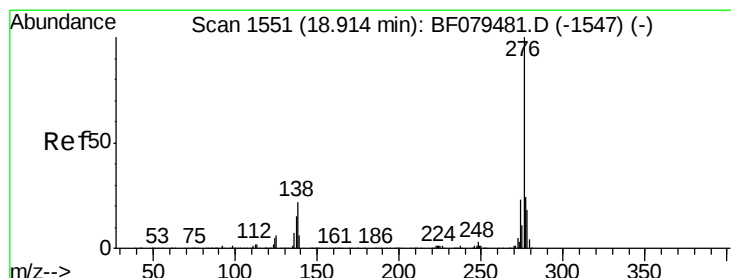
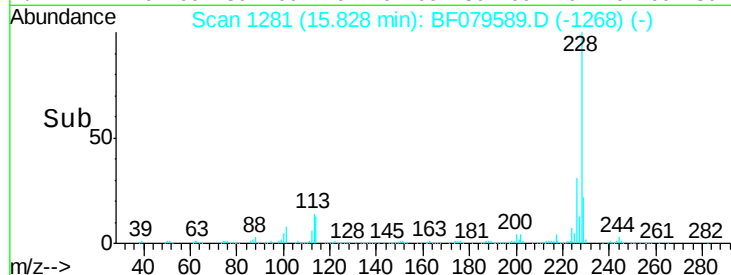
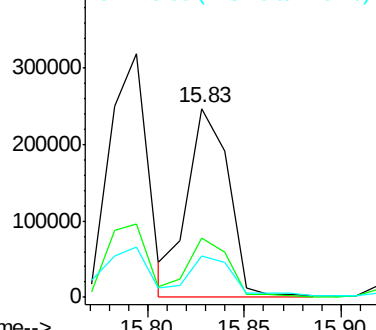
Tot Ion:	228	Resp:	366679
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.4
229	21.9	15.9	23.9

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.18 ng/mL

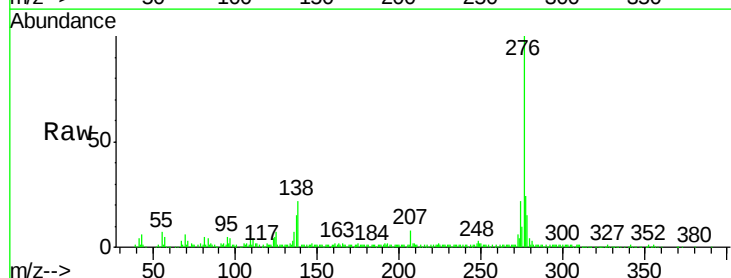
RT: 18.85 min Scan# 1545

Delta R.T. -0.17 min

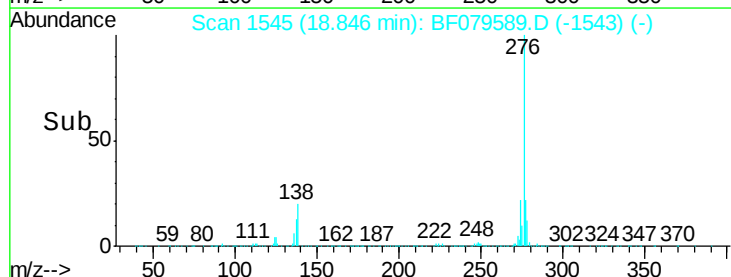
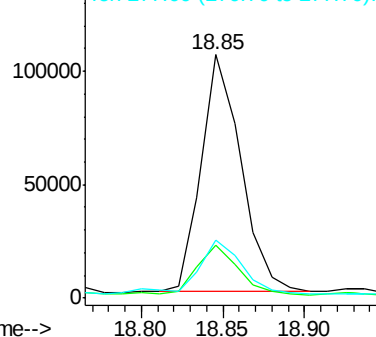
Lab File: BF079589.D

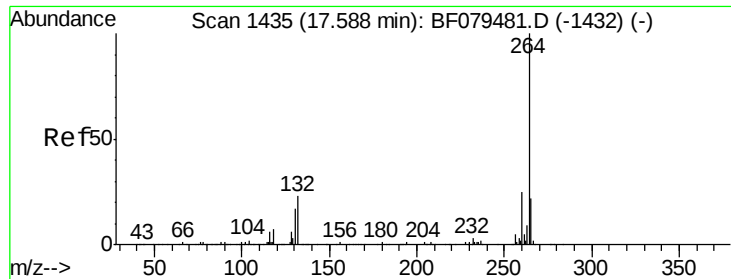
Acq: 30 May 2015 7:05

Tgt Ion:	276	Resp:	176169
Ion Ratio	Lower	Upper	
276	100		
138	21.6	21.4	32.2
277	23.4	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





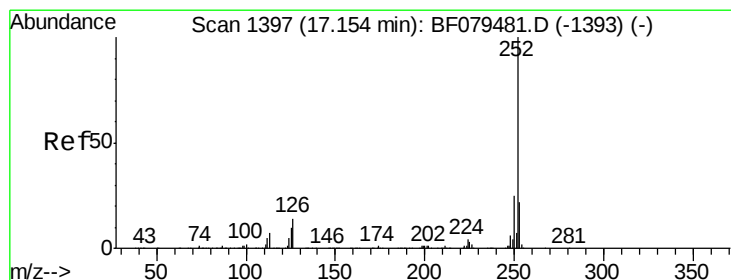
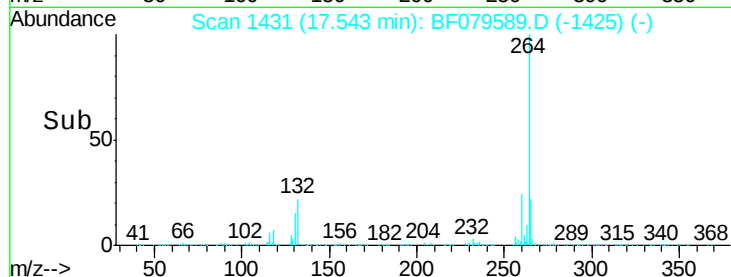
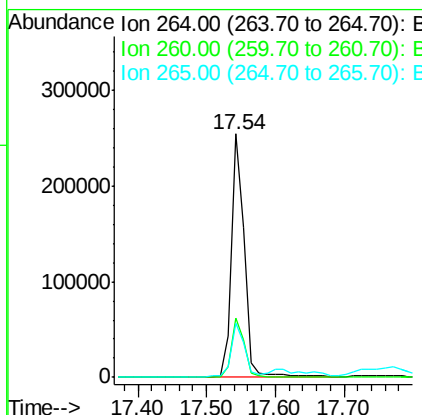
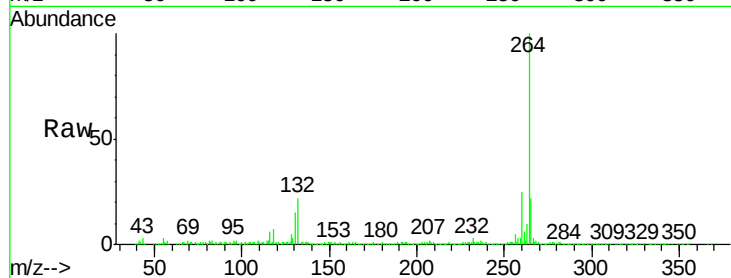
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.13 min
Lab File: BF079589.D
Acq: 30 May 2015 7:05

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-016-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.8
265	22.5	17.8	26.6

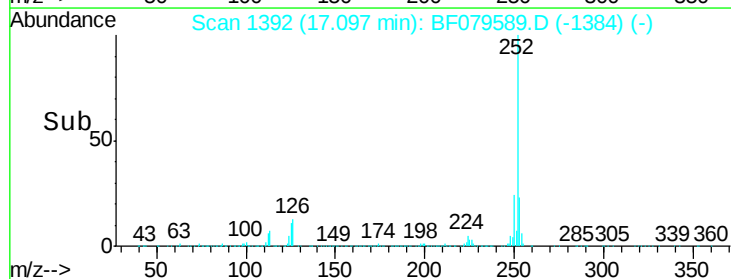
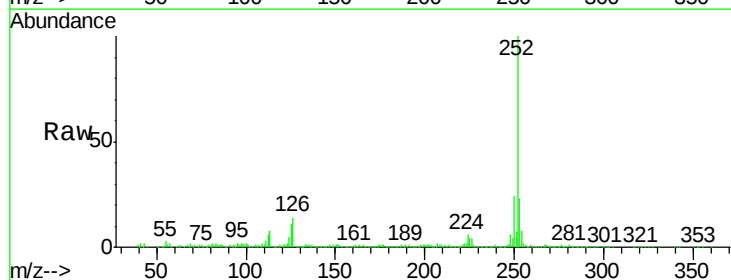
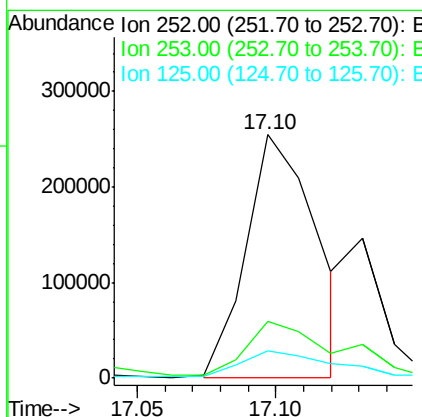
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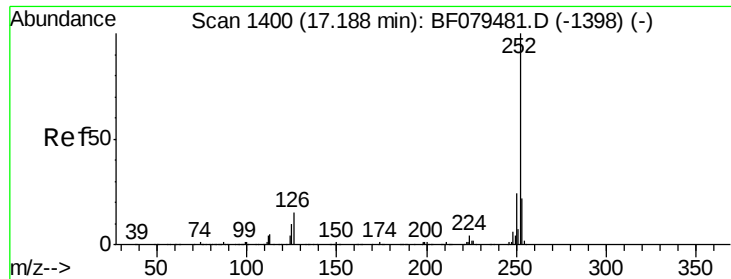
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#87
Benzo(b)fluoranthene
Concen: 23.65 ng m
RT: 17.10 min Scan# 1392
Delta R.T. -0.10 min
Lab File: BF079589.D
Acq: 30 May 2015 7:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	11.4	7.8	11.6





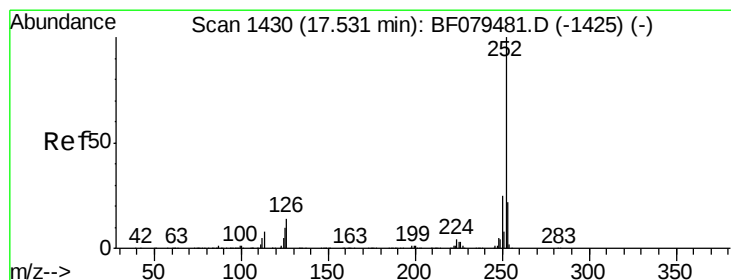
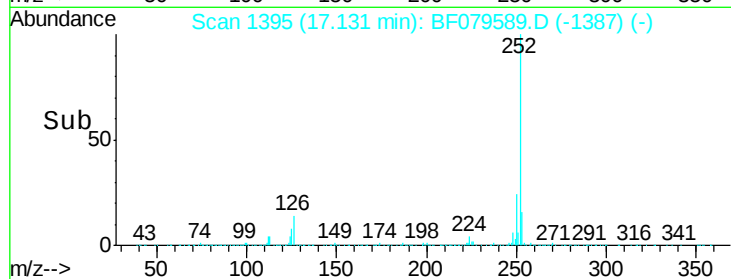
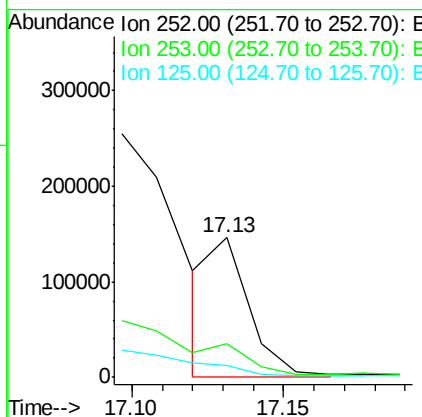
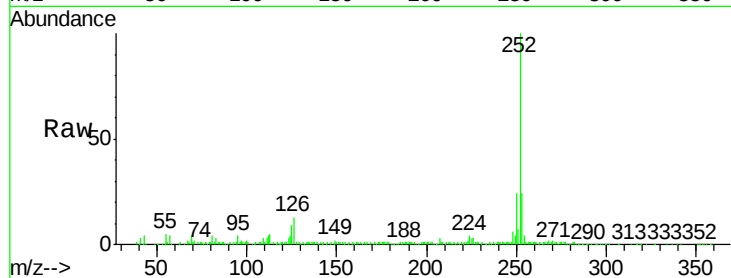
#88
Benzo(k)fluoranthene
Concen: 7.67 ng m
RT: 17.13 min Scan# 1395
Delta R.T. -0.10 min
Lab File: BF079589.D
Acq: 30 May 2015 7:05

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-016-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	8.9	6.8	10.2

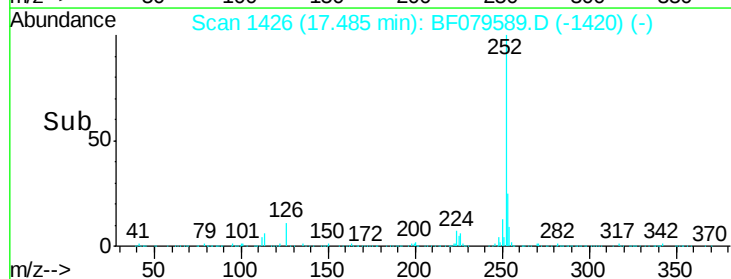
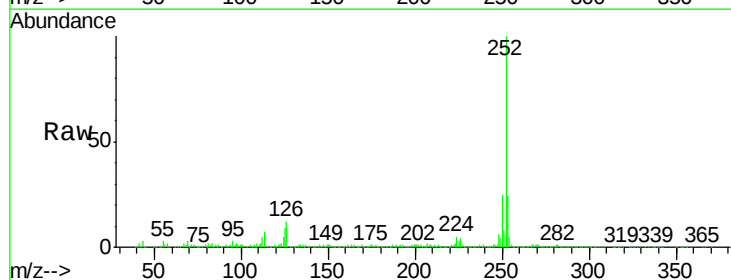
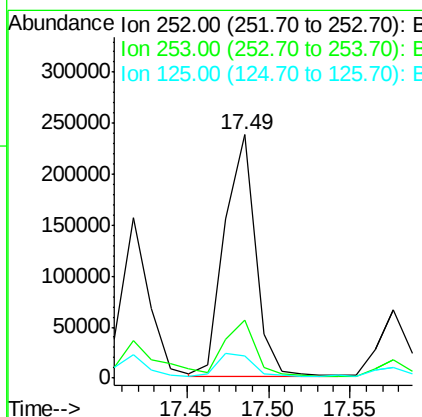
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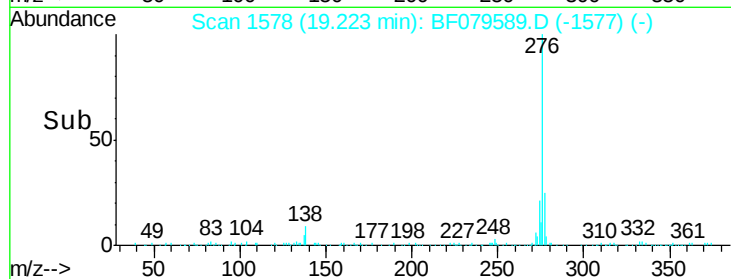
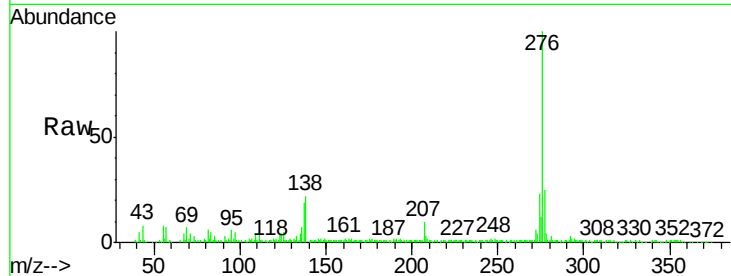
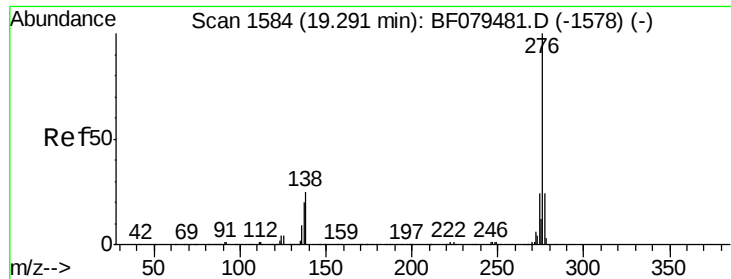
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#89
Benzo(a)pyrene
Concen: 17.60 ng
RT: 17.49 min Scan# 1426
Delta R.T. -0.13 min
Lab File: BF079589.D
Acq: 30 May 2015 7:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	9.3	7.9	11.9





#91

Benzo(a,h,i)perylene

Concen: 6.80 ng

RT: 19.22 min Scan# 1578

Delta R.T. -0.18 min

Lab File: BF079589.D

Acq: 30 May 2015 7:05

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-016-B

Tot Ion:	276	Resp:	157082
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.1	28.7
138	22.0	20.1	30.1

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