

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
 Data File : BF079766.D
 Acq On : 6 Jun 2015 10:18
 Operator : TP/IZ
 Sample : G2499-03 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

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Quant Time: Jun 08 17:15:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 15:29:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	54136	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	226134	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	123053	20.00	ng	0.00
63) Phenanthrene-d10	12.08	188	251815	20.00	ng	0.01
75) Chrysene-d12	15.14	240	359396m	20.00	ng	0.21
86) Perylene-d12	17.14	264	323704m	20.00	ng	0.32
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	78110	24.18	ng	0.00
7) Phenol-d6	7.08	99	234035	56.10	ng	0.00
23) Nitrobenzene-d5	8.04	82	118967	32.30	ng	0.00
41) 2,4,6-Tribromophenol	11.36	330	802	0.68	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	317330	34.94	ng	0.00
78) Terphenyl-d14	13.81	244	395536	25.21	ng	0.09
Target Compounds						Qvalue
49) Dimethylphthalate	10.24	163	33582	3.54	ng	100
57) Fluorene	11.12	166	20978	2.09	ng	98
70) Phenanthrene	12.10	178	243115	16.49	ng	98
71) Anthracene	12.16	178	74985	5.16	ng	98
72) Carbazole	12.31	167	35439	2.57	ng	98
74) Fluoranthene	13.41	202	383603	23.76	ng	94
77) Pyrene	13.67	202	341133	15.48	ng	99
79) Butylbenzylphthalate	14.38	149	37027	4.22	ng	# 79
80) Benzo(a)anthracene	15.13	228	245101m	11.14	ng	
82) Chrysene	15.18	228	234795m	11.55	ng	
83) Bis(2-ethylhexyl)phthalate	15.09	149	83280m	6.00	ng	
85) Indeno(1,2,3-cd)pyrene	19.15	276	69004m	2.93	ng	
87) Benzo(b)fluoranthene	16.56	252	262508m	13.05	ng	
88) Benzo(k)fluoranthene	16.59	252	78590m	4.07	ng	
89) Benzo(a)pyrene	17.05	252	182100m	9.81	ng	
91) Benzo(g,h,i)perylene	19.77	276	68634m	3.71	ng	

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

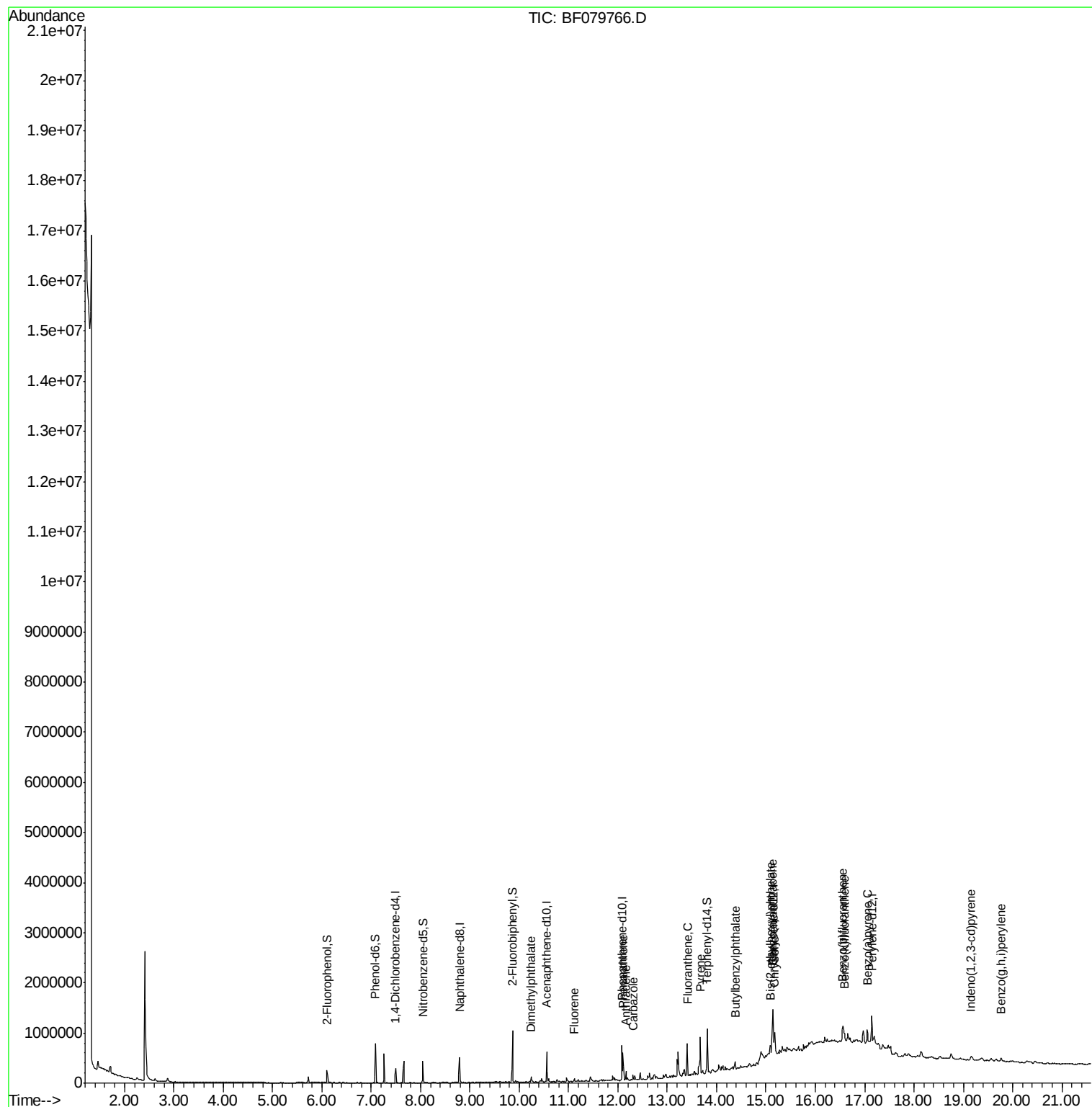
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079766.D
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Misc :
ALS Vial : 28 Sample Multiplier: 1

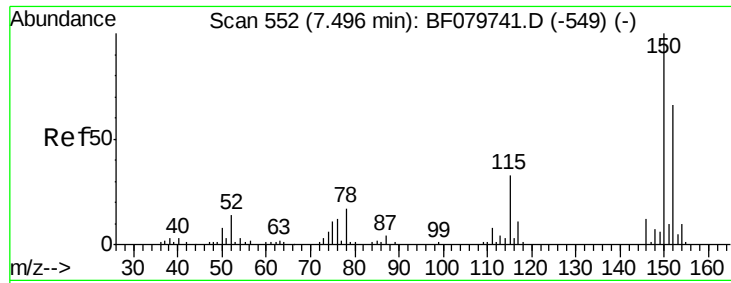
Instrument :
BNA_F
ClientSampleId :
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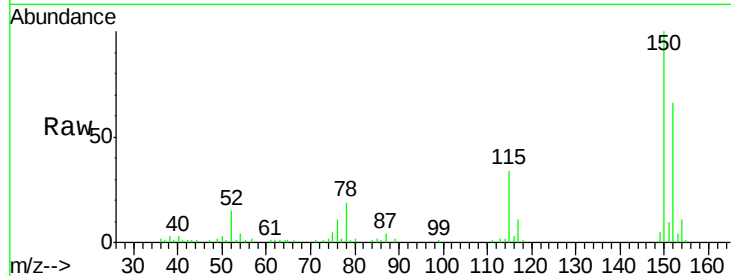
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.50 min Scan# 552
 Delta R.T. -0.00 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

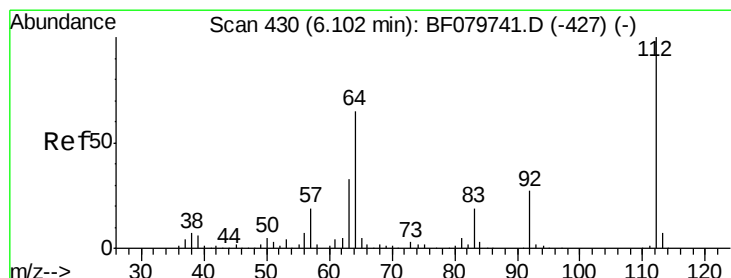
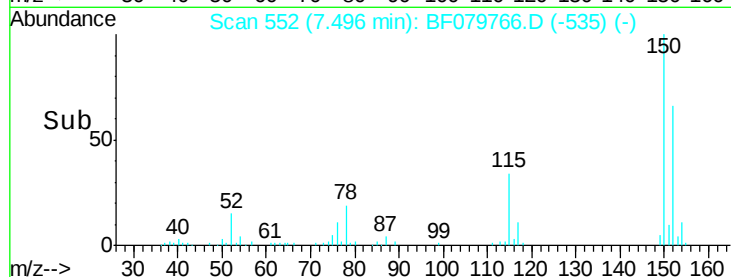
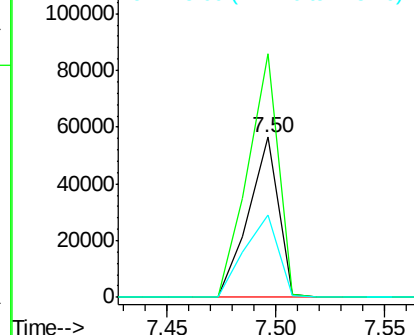
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	128.1	192.1
115	51.7	49.7	74.5

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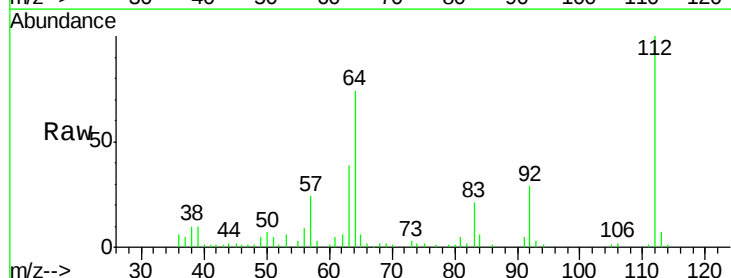


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

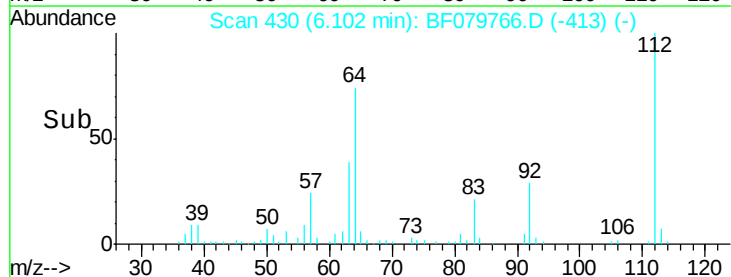
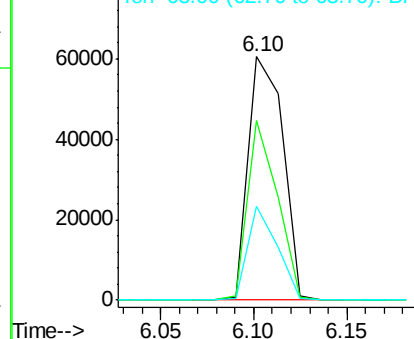


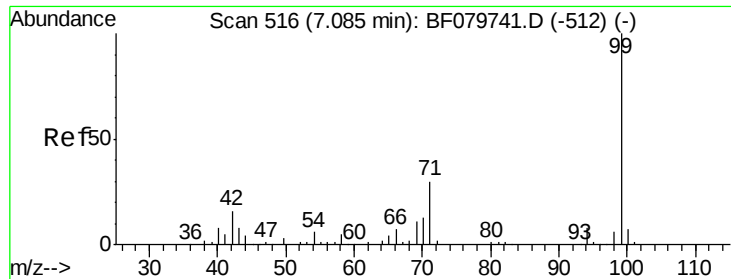
#5
 2-Fluorophenol
 Concen: 24.18 ng
 RT: 6.10 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.6	49.6	74.4
63	38.6	24.9	37.3



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: 56.10 ng

RT: 7.08 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

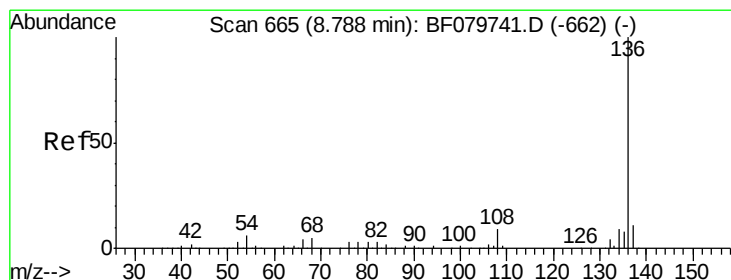
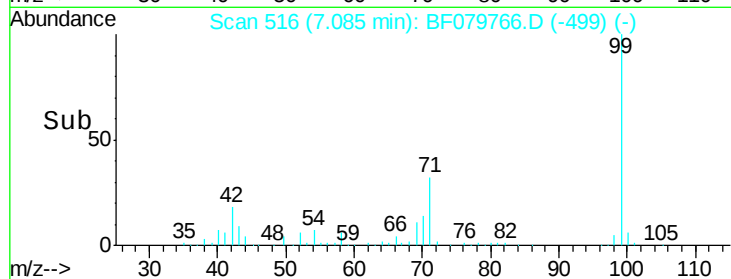
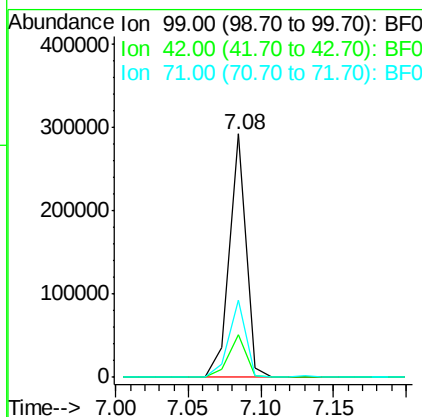
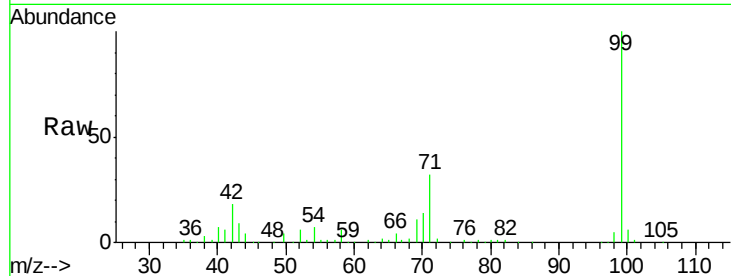
ClientSampleId :

FK-SF-02-002-B

Tot Ion:	99	Resp:	234035
Ion Ratio	Lower	Upper	
99	100		
42	17.6	18.0	27.0#
71	31.8	28.4	42.6

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#21

Naphthalene-d8

Concen: 20.00 ng

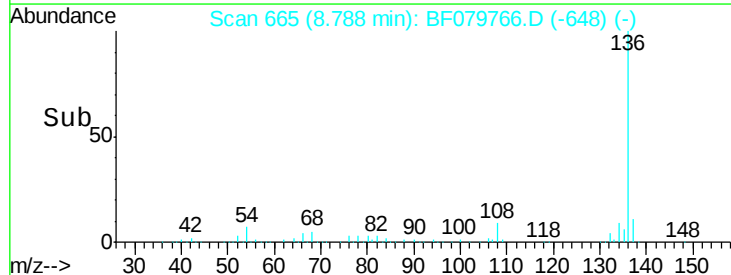
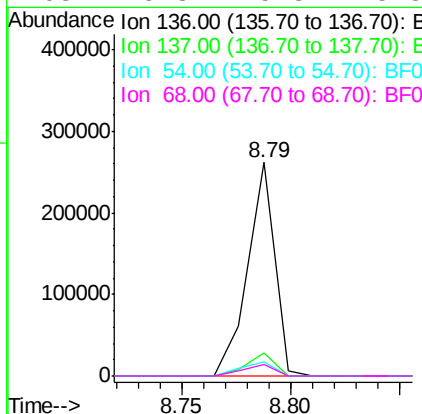
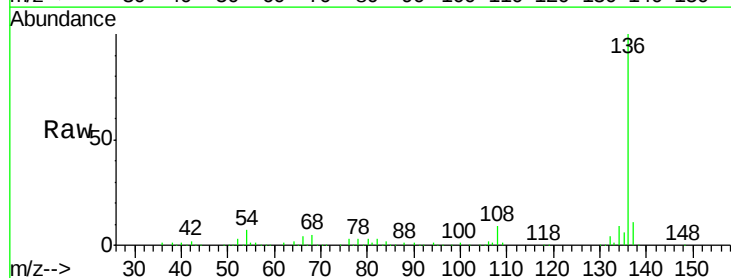
RT: 8.79 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Tgt Ion:	136	Resp:	226134
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	6.7	8.7	13.1#
68	5.3	5.8	8.8#





#23

Nitrobenzene-d5

Concen: 32.30 ng

RT: 8.04 min Scan# 600

Delta R.T. -0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

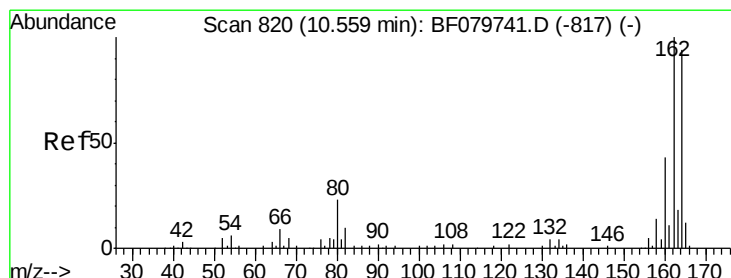
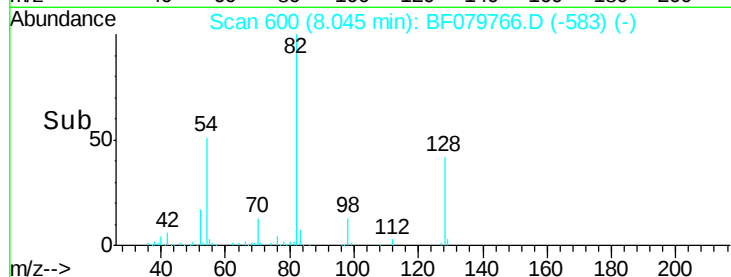
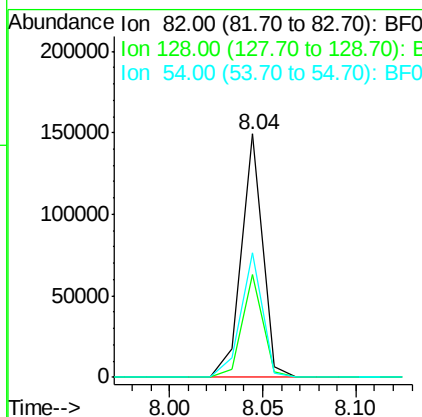
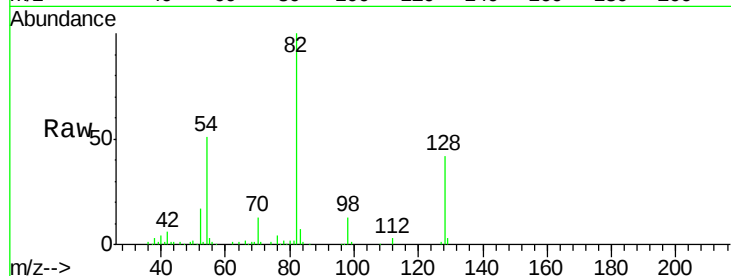
ClientSampleId :

FK-SF-02-002-B

Tot Ion	82	Resp	118967
Ion Ratio	Lower	Upper	
82	100		
128	42.1	37.6	56.4
54	51.3	39.4	59.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

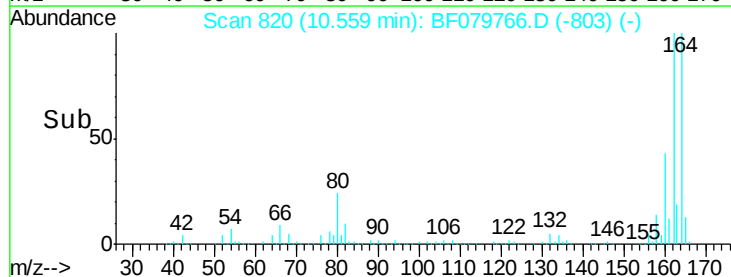
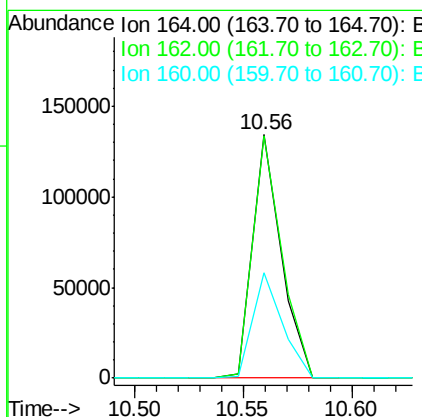
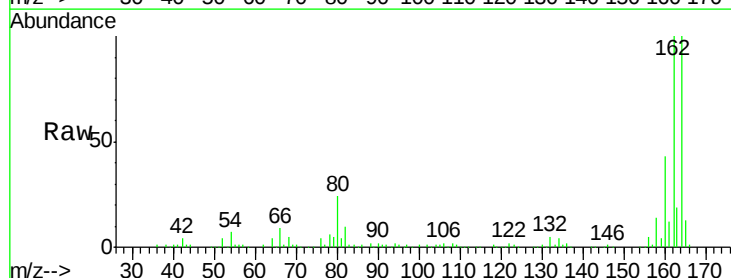
RT: 10.56 min Scan# 820

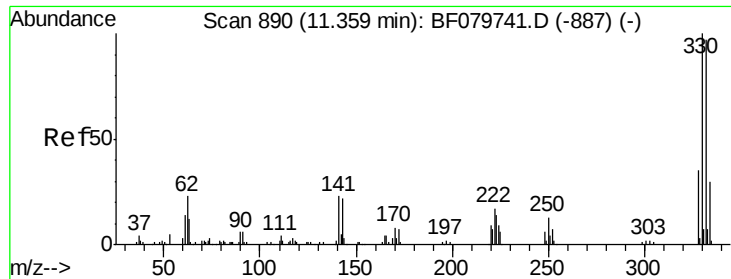
Delta R.T. -0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Tgt Ion	164	Resp	123053
Ion Ratio	Lower	Upper	
164	100		
162	99.7	82.6	123.8
160	43.2	36.8	55.2





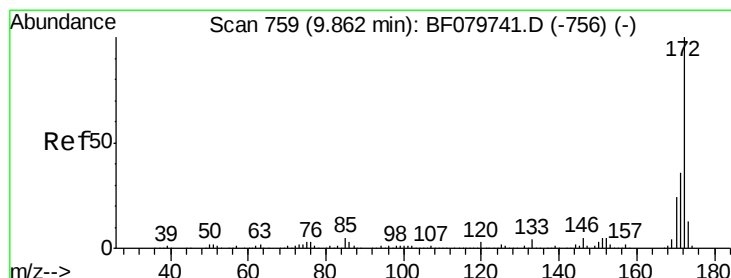
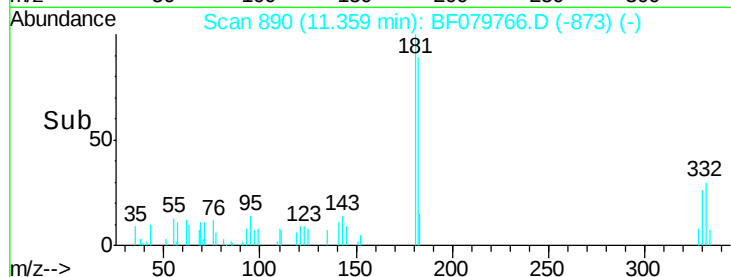
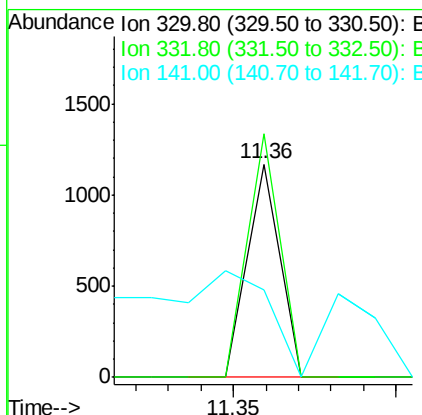
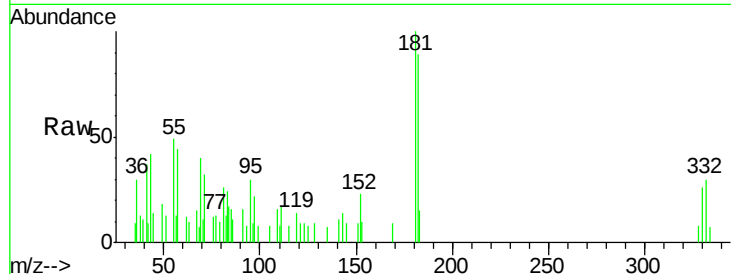
#41
 2,4,6-Tribromophenol
 Concen: 0.68 ng
 RT: 11.36 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	114.2	77.4	116.0
141	230.4	30.2	45.2#

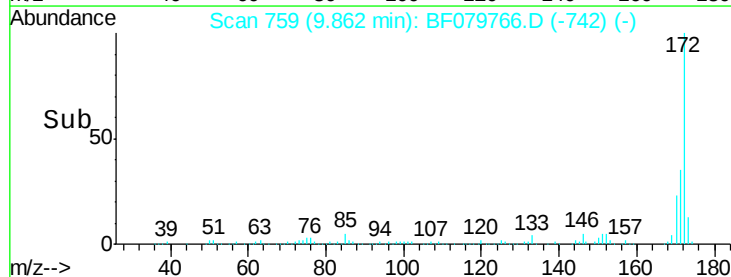
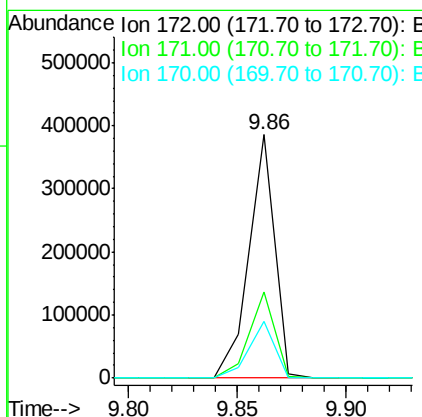
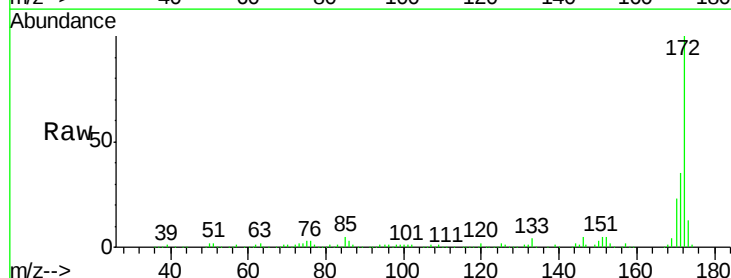
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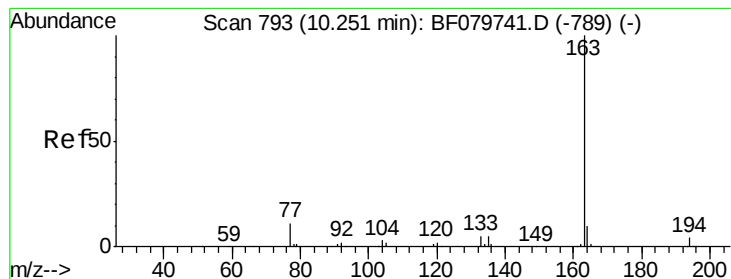
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#44
 2-Fluorobiphenyl
 Concen: 34.94 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.4	44.0
170	23.4	19.7	29.5





#49

Dimethylphthalate

Concen: 3.54 ng

RT: 10.24 min Scan# 792

Delta R.T. -0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

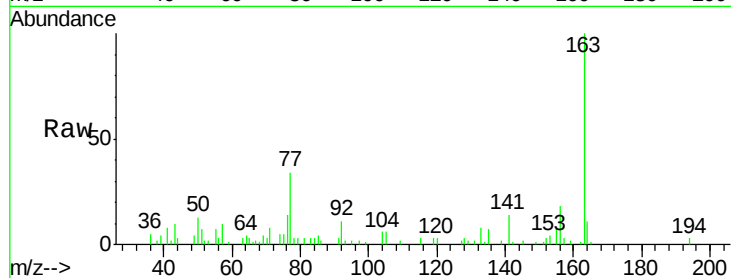
ClientSampleId :

FK-SF-02-002-B

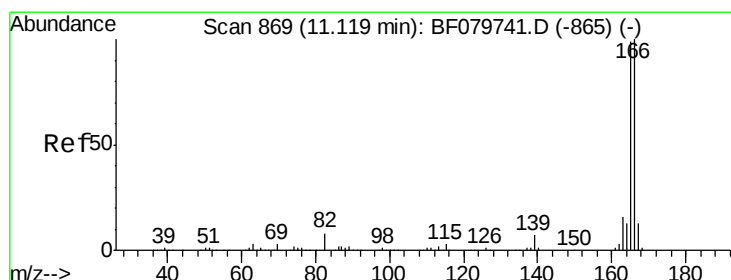
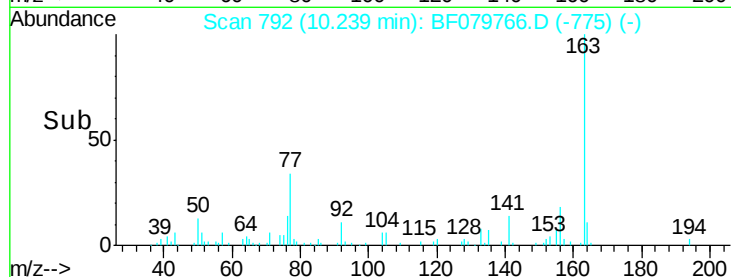
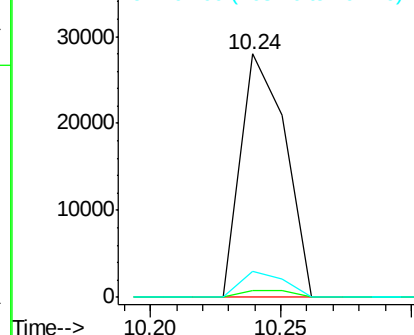
Tot Ion:	163	Resp:	33582
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	3.8
164	10.6	8.5	12.7

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



#57

Fluorene

Concen: 2.09 ng

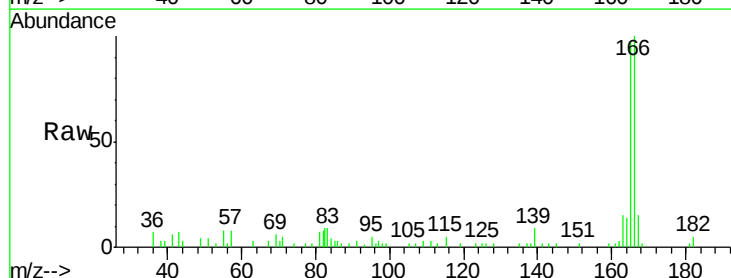
RT: 11.12 min Scan# 869

Delta R.T. 0.01 min

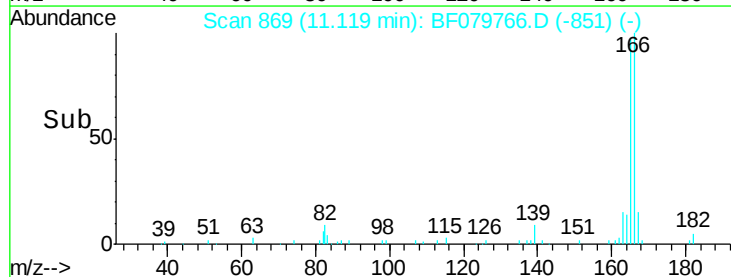
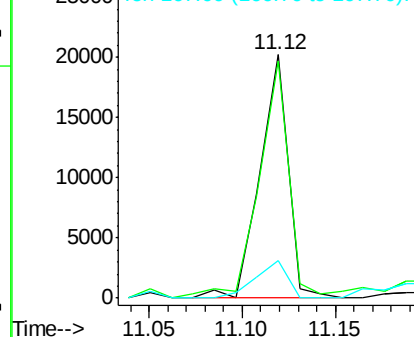
Lab File: BF079766.D

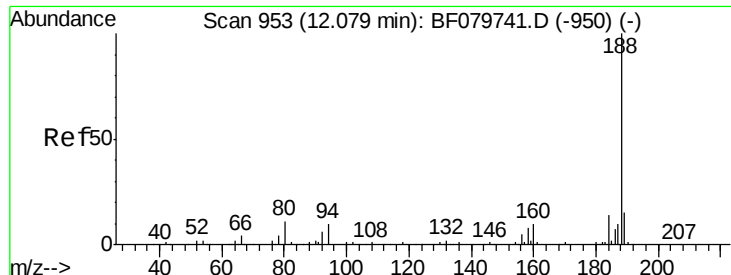
Acq: 6 Jun 2015 10:18

Tgt Ion:	166	Resp:	20978
Ion Ratio	Lower	Upper	
166	100		
165	97.4	79.4	119.0
167	15.3	11.0	16.4



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





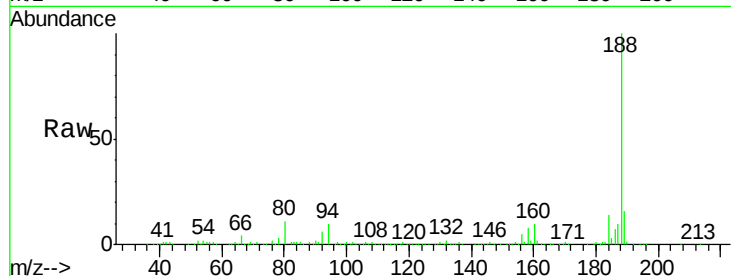
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.08 min Scan# 953
Delta R.T. 0.01 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.2	5.0	7.4#
80	11.3	5.3	7.9#

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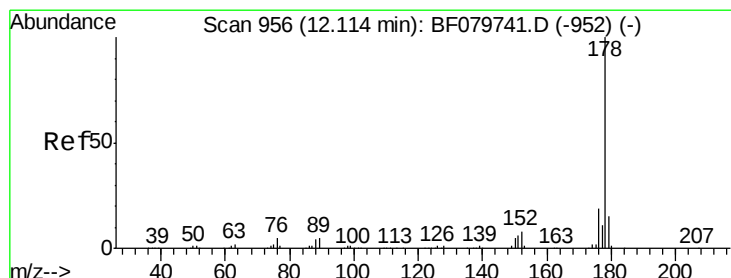
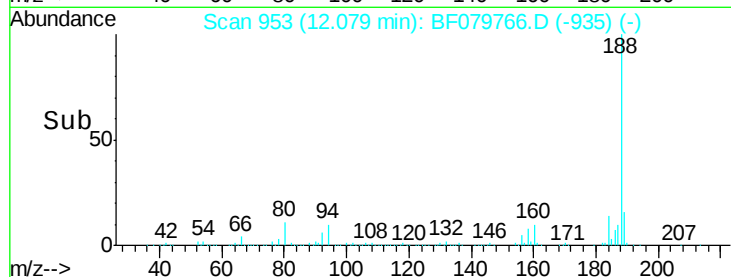
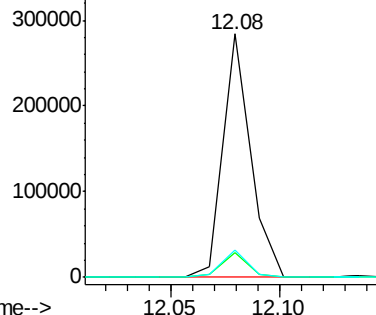
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Abundance Ion 188.00 (187.70 to 188.70): E

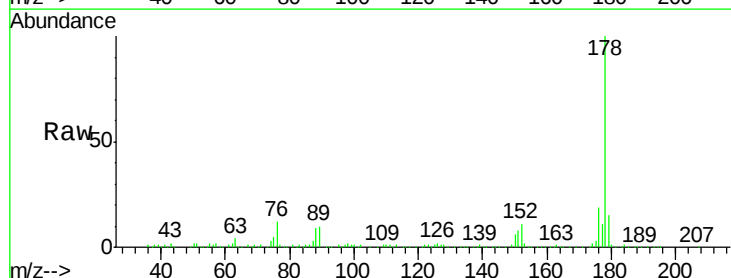
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70
Phenanthrene
Concen: 16.49 ng
RT: 12.10 min Scan# 955
Delta R.T. 0.01 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

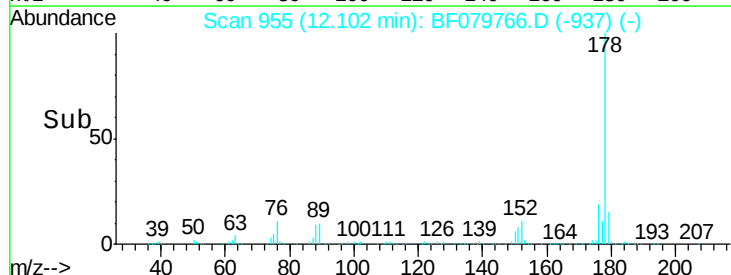
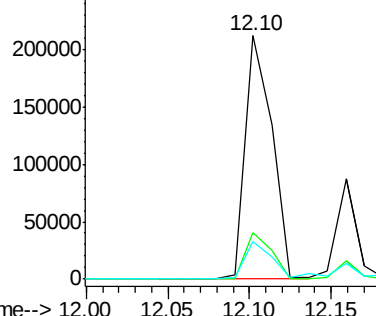
Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.4	12.6	19.0

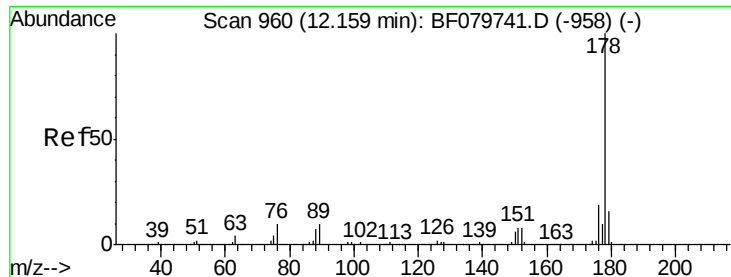


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





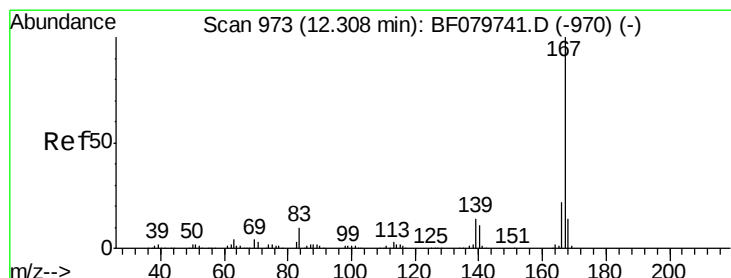
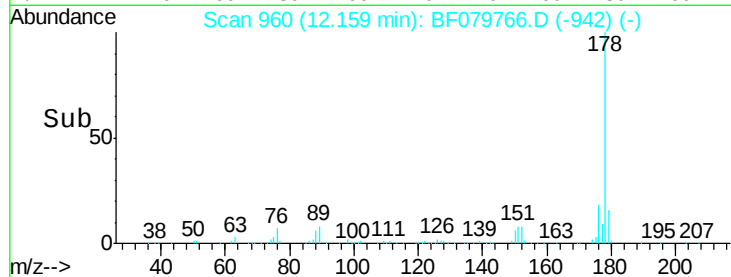
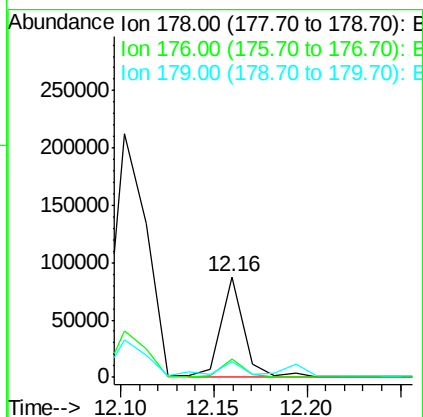
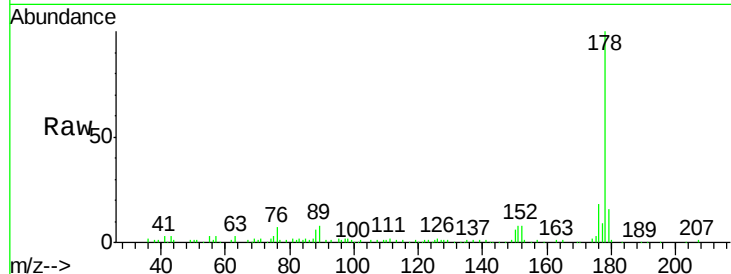
#71
 Anthracene
 Concen: 5.16 ng
 RT: 12.16 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.8	22.2
179	16.2	12.2	18.2

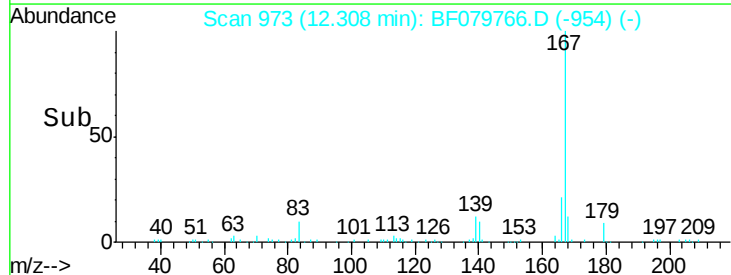
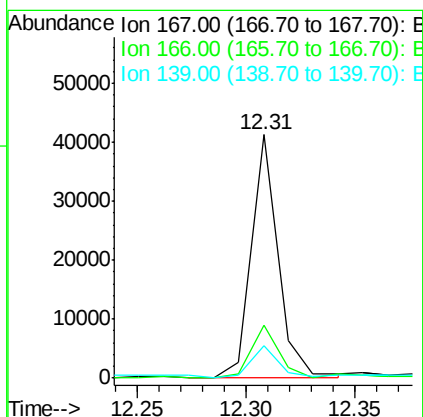
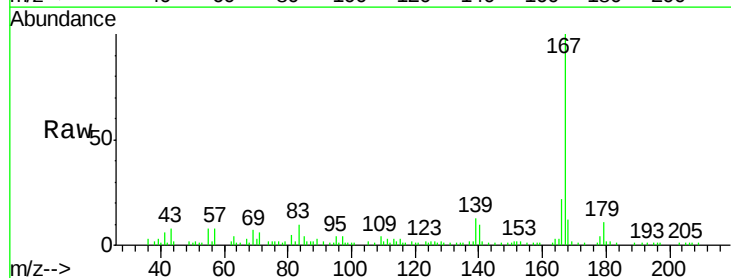
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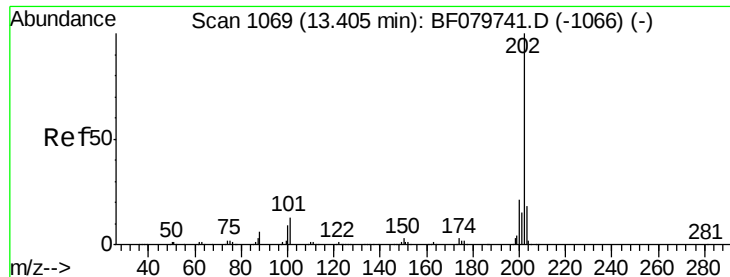
apatel
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#72
 Carbazole
 Concen: 2.57 ng
 RT: 12.31 min Scan# 973
 Delta R.T. 0.02 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.7	26.5
139	13.5	9.3	13.9





#74

Fluoranthene

Concen: 23.76 ng

RT: 13.41 min Scan# 1069

Delta R.T. 0.08 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

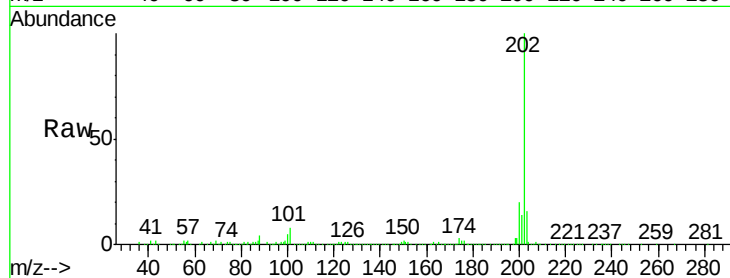
ClientSampleId :

FK-SF-02-002-B

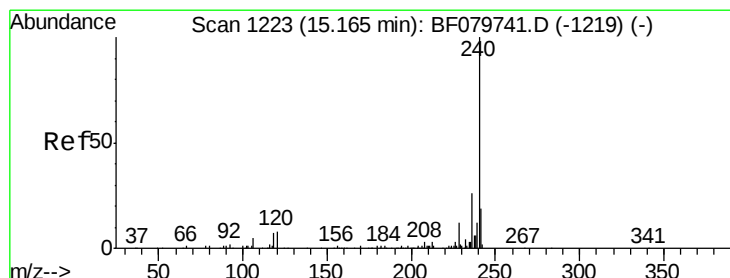
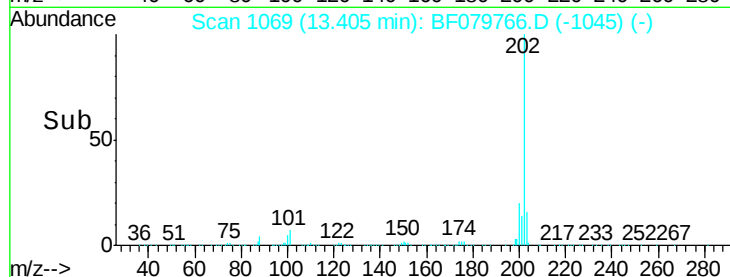
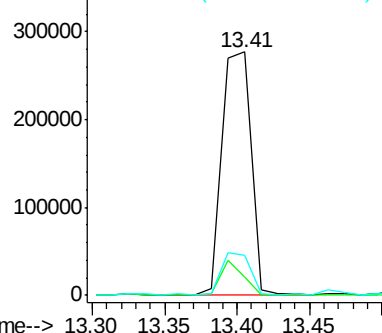
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.6	0.0	31.3
203	16.4	0.0	38.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng m

RT: 15.14 min Scan# 1221

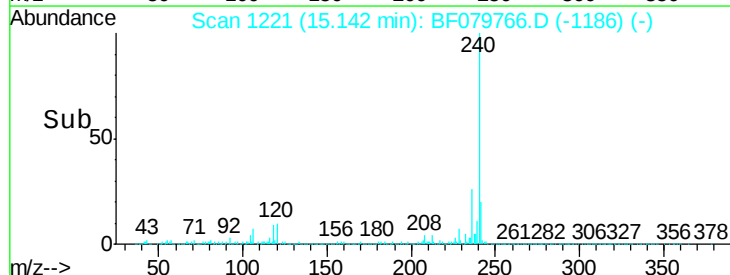
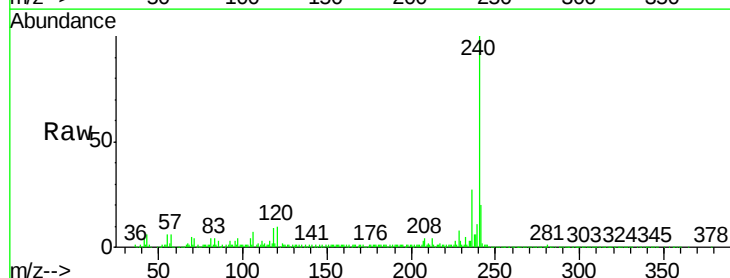
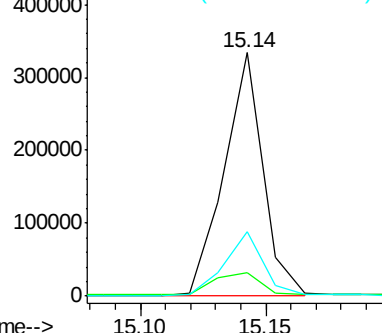
Delta R.T. 0.21 min

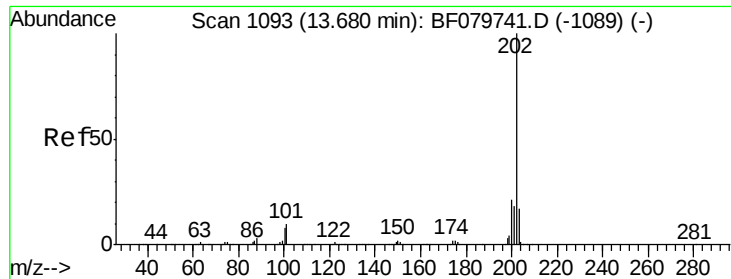
Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	6.2	9.2#
236	26.5	21.0	31.4

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

Pvrene

Concen: 15.48 ng

RT: 13.67 min Scan# 1092

Delta R.T. 0.09 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

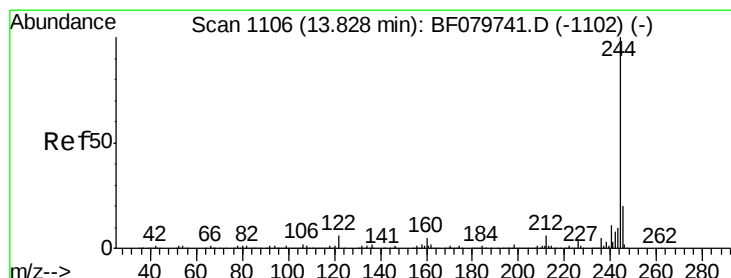
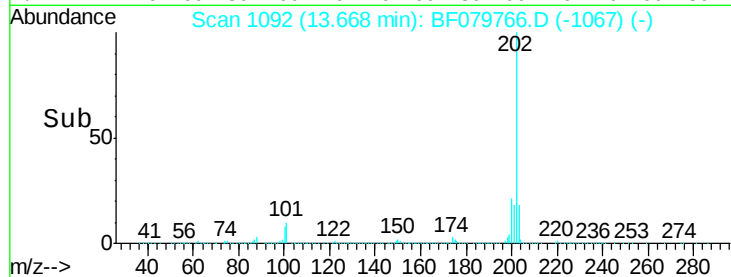
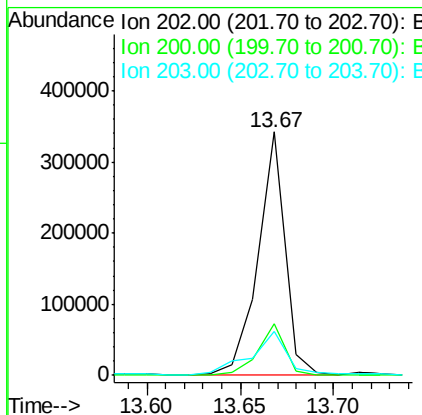
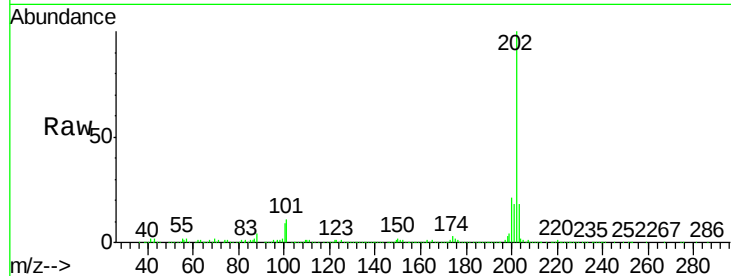
ClientSampleId :

FK-SF-02-002-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		341133		
200	21.3	17.5	26.3		
203	18.2	14.8	22.2		

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#78

Terphenyl-d14

Concen: 25.21 ng

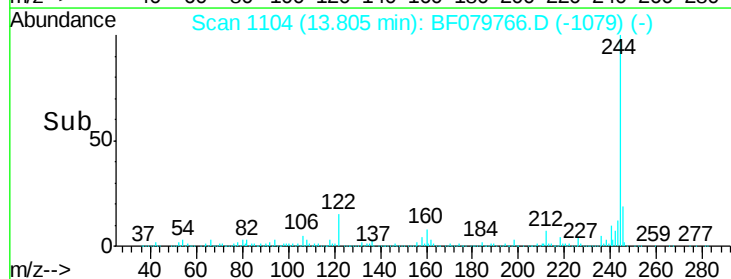
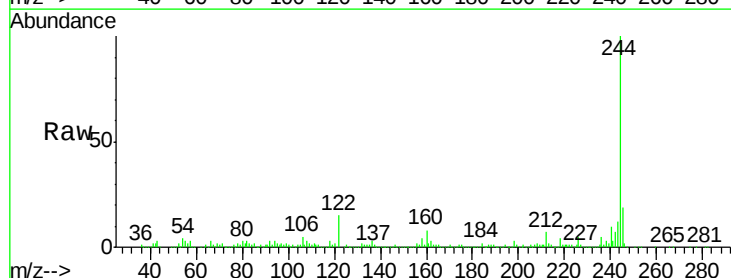
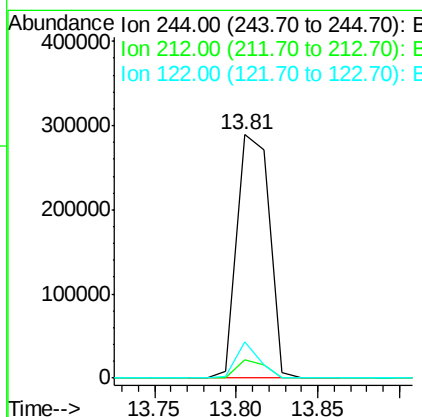
RT: 13.81 min Scan# 1104

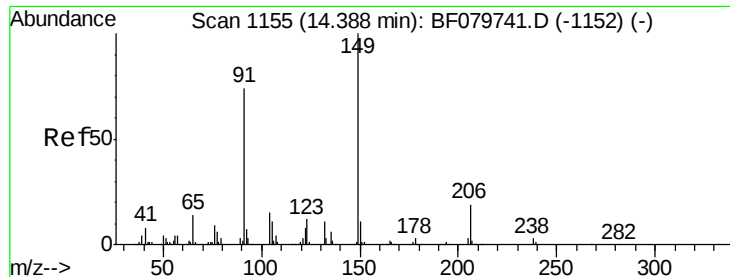
Delta R.T. 0.09 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		395536		
212	7.5	6.1	9.1		
122	14.8	9.3	13.9		





#79

Butylbenzylphthalate

Concen: 4.22 ng

RT: 14.38 min Scan# 1154

Delta R.T. 0.15 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

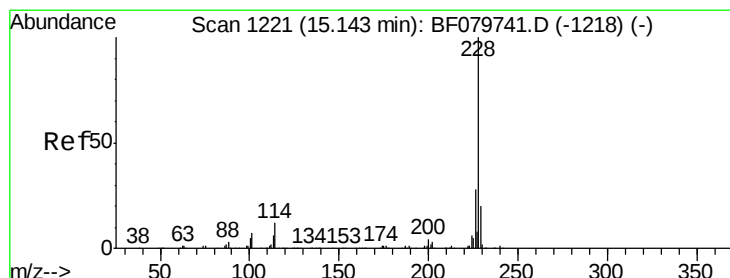
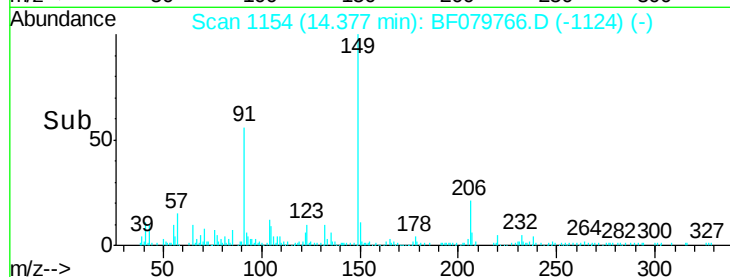
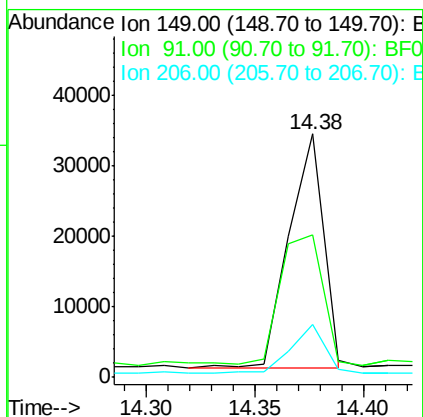
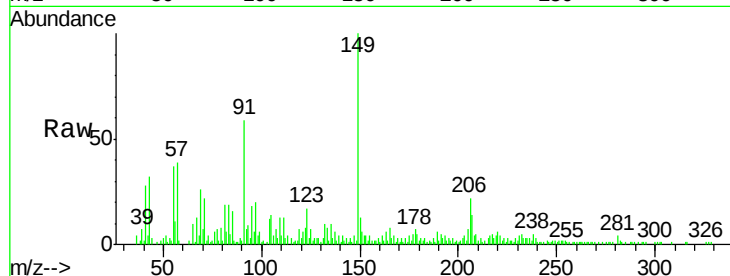
ClientSampleId :

FK-SF-02-002-B

Tot Ion:	149	Resp:	37027
Ion Ratio	Lower	Upper	
149	100		
91	58.6	64.4	96.6#
206	21.6	14.8	22.2

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#80

Benzo(a)anthracene

Concen: 11.14 ng m

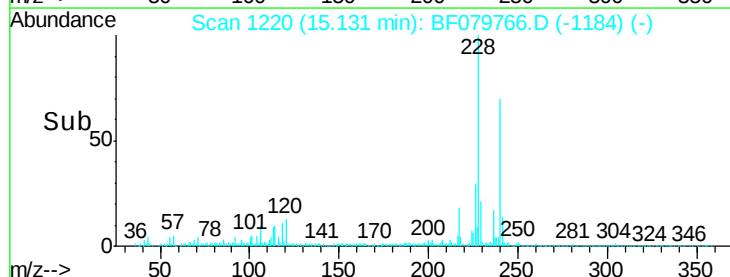
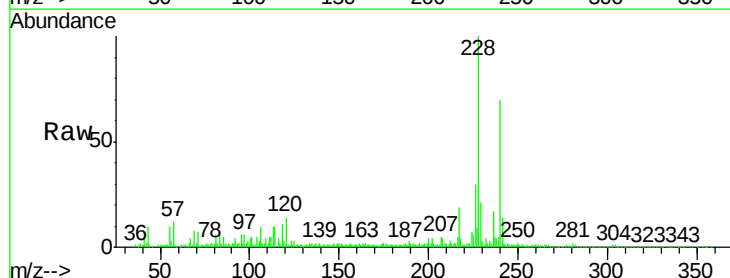
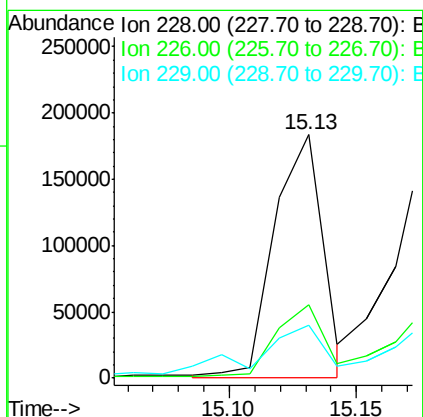
RT: 15.13 min Scan# 1220

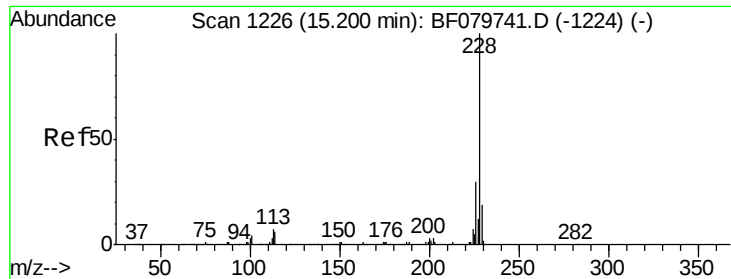
Delta R.T. 0.22 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Tgt Ion:	228	Resp:	245101
Ion Ratio	Lower	Upper	
228	100		
226	30.1	22.2	33.4
229	21.5	16.6	25.0





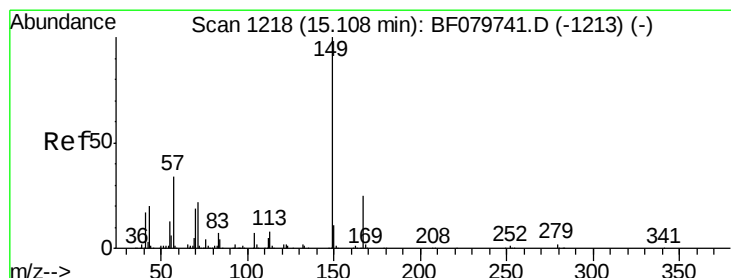
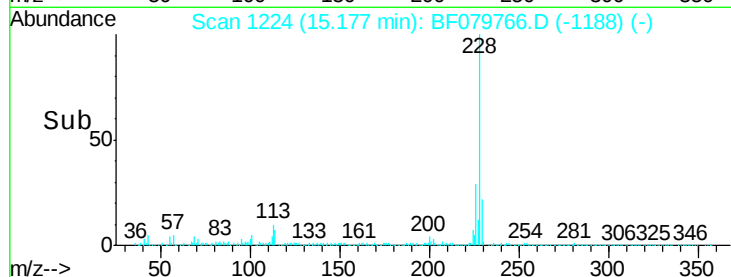
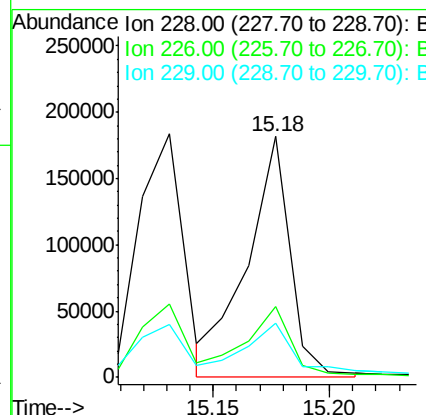
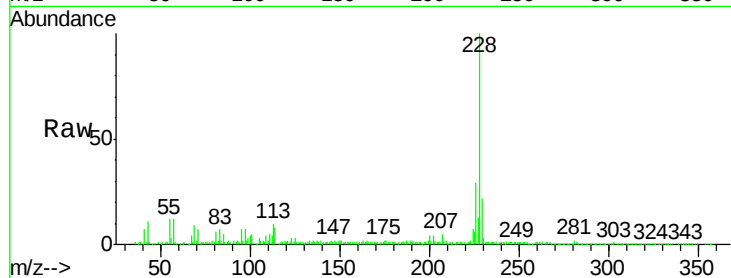
#82
 Chrvsene
 Concen: 11.55 ng m
 RT: 15.18 min Scan# 1224
 Delta R.T. 0.22 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

Tot Ion:	228	Resp:	234795
Ion Ratio	Lower	Upper	
228	100		
226	29.2	25.2	37.8
229	22.4	16.2	24.4

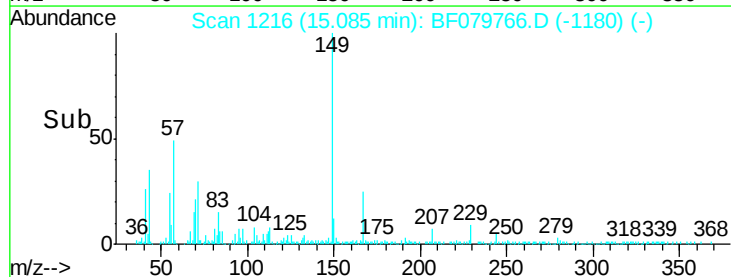
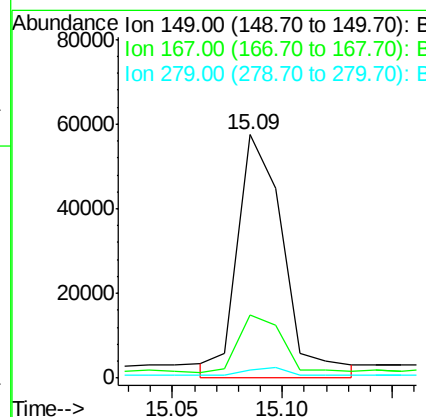
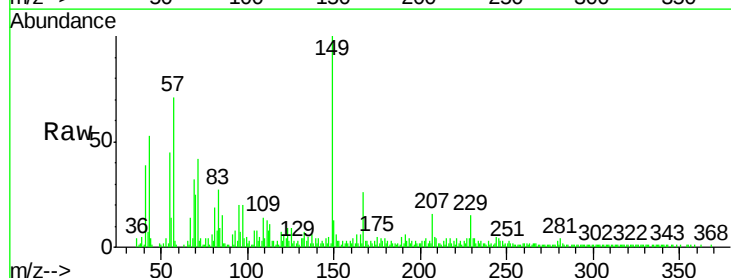
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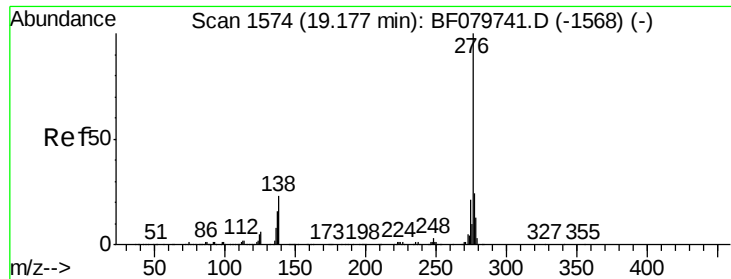
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.00 ng m
 RT: 15.09 min Scan# 1216
 Delta R.T. 0.22 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

Tgt Ion:	149	Resp:	83280
Ion Ratio	Lower	Upper	
149	100		
167	26.1	20.9	31.3
279	3.2	2.2	3.2





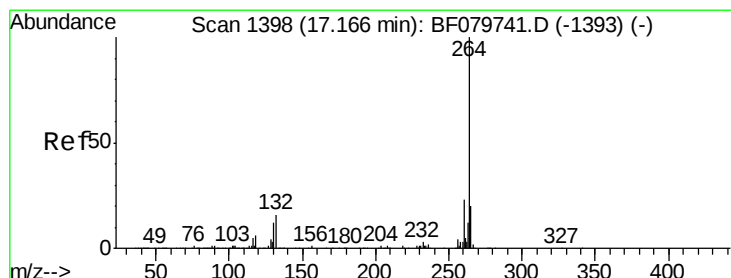
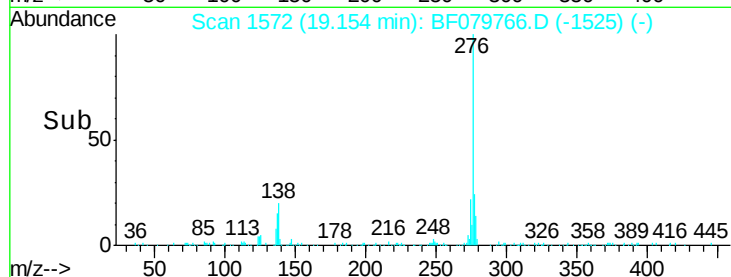
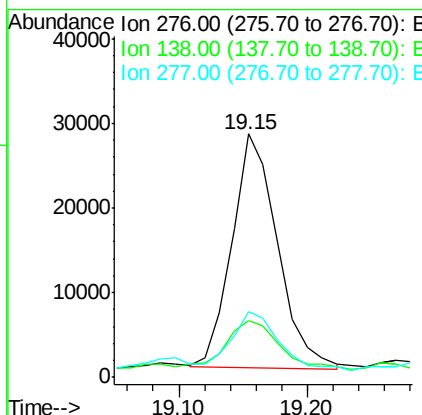
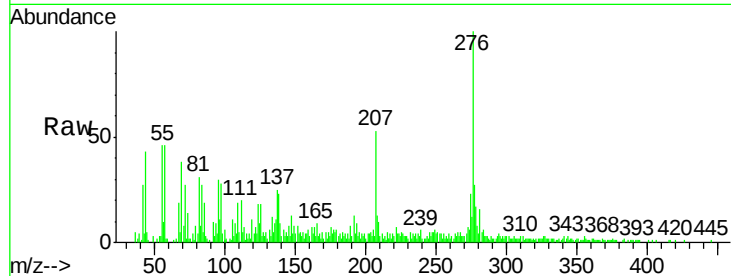
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.93 ng m
RT: 19.15 min Scan# 1572
Delta R.T. 0.34 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	20.8	31.2#
277	0.0	20.0	30.0#

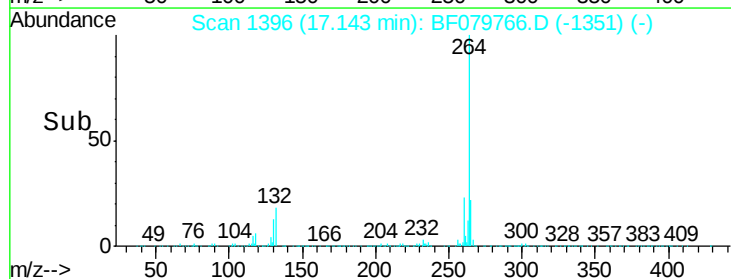
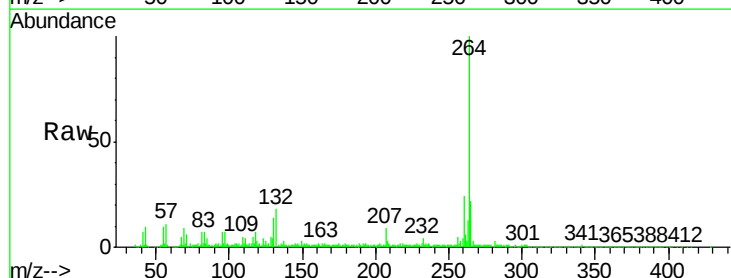
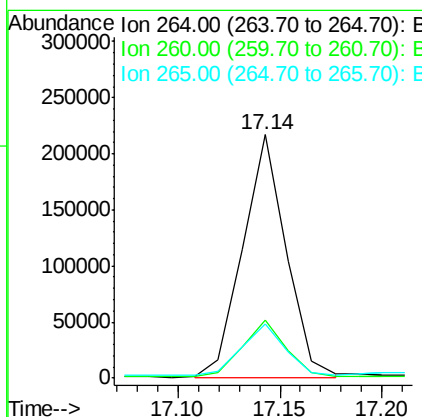
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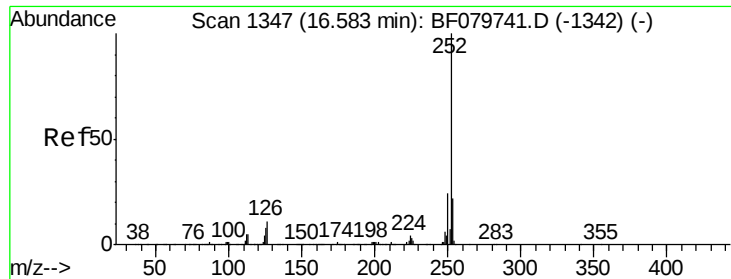
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#86
Perylene-d12
Concen: 20.00 ng m
RT: 17.14 min Scan# 1396
Delta R.T. 0.32 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	22.3	18.2	27.4





#87

Benzo(b)fluoranthene

Concen: 13.05 ng m

RT: 16.56 min Scan# 1345

Delta R.T. 0.30 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

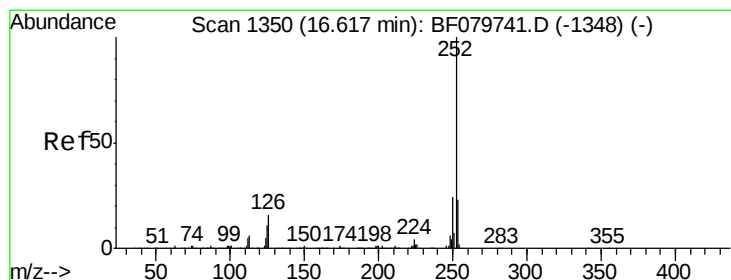
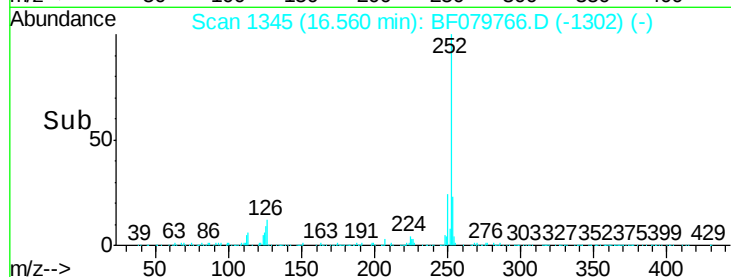
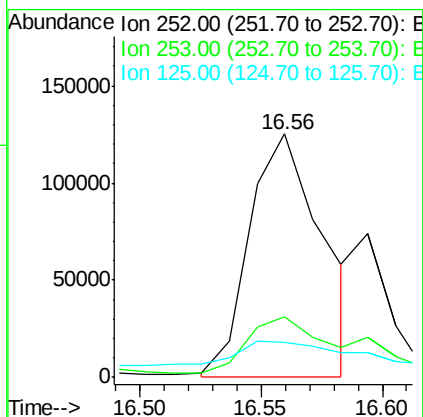
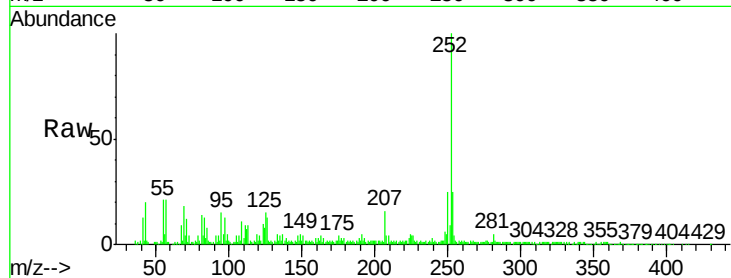
ClientSampleId :

FK-SF-02-002-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.2
125	14.6	6.5	9.7#

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#88

Benzo(k)fluoranthene

Concen: 4.07 ng m

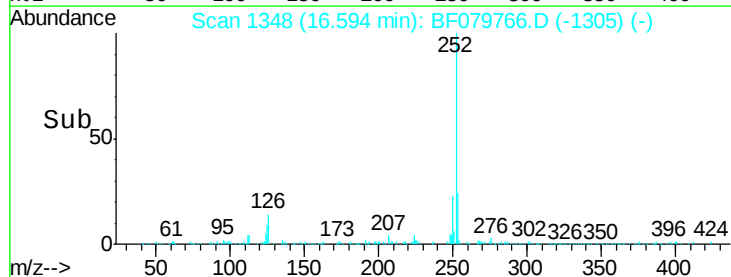
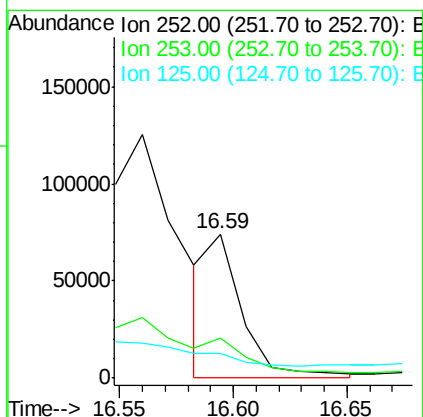
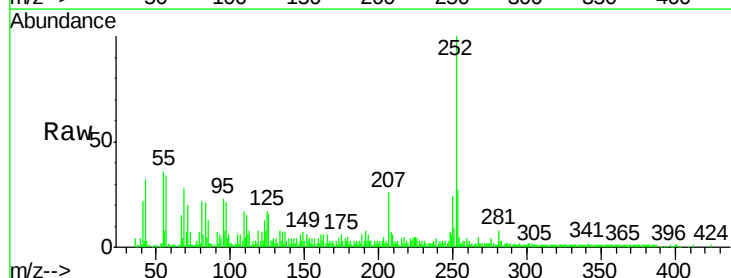
RT: 16.59 min Scan# 1348

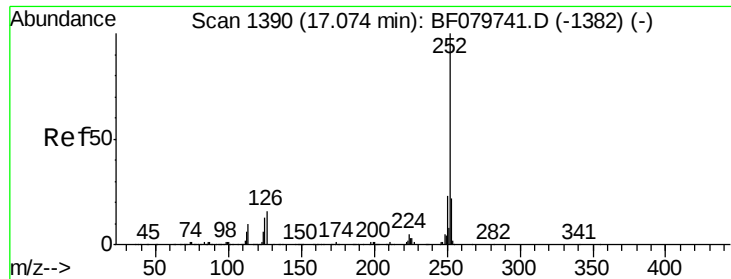
Delta R.T. 0.30 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.8	26.8#
125	17.0	8.4	12.6#





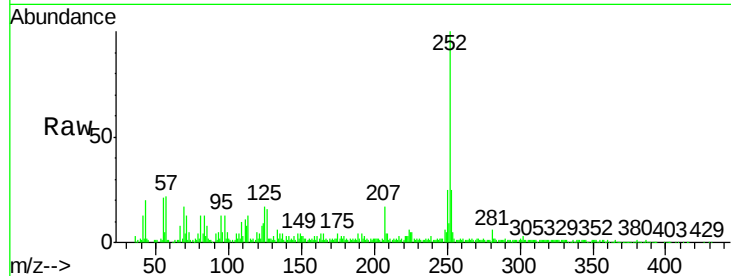
#89
Benzo(a)pyrene
Concen: 9.81 ng m
RT: 17.05 min Scan# 1388
Delta R.T. 0.31 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.6	26.4
125	16.9	7.4	11.0

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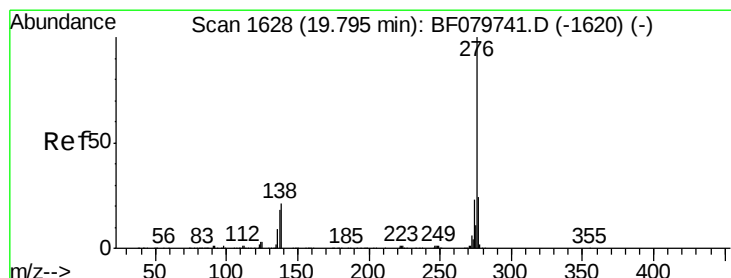
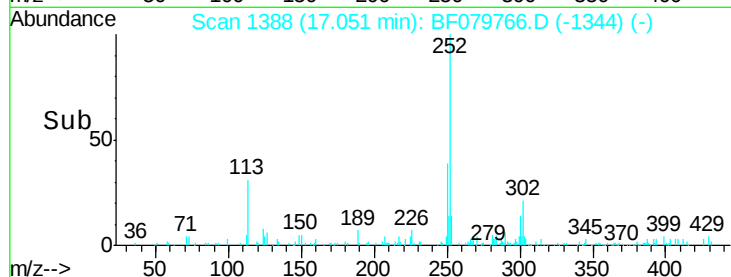
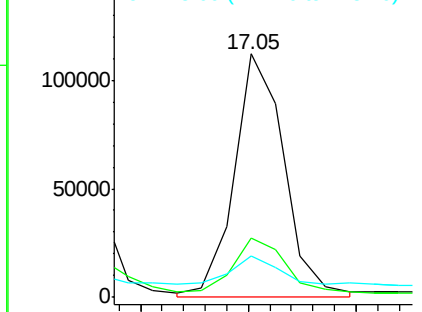


Abundance

Ion 252.00 (251.70 to 252.70): E

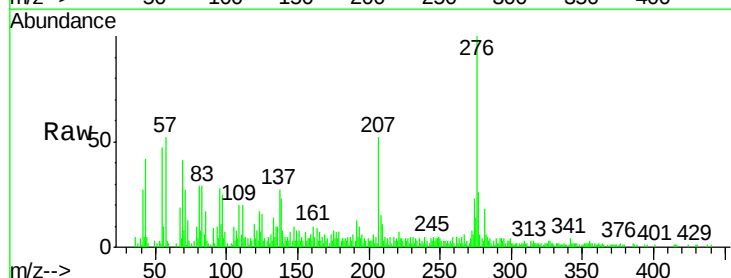
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.71 ng m
RT: 19.77 min Scan# 1626
Delta R.T. 0.35 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.8	28.2
138	23.4	18.2	27.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

