

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094606.D
 Acq On : 25 Apr 2017 15:47
 Operator : SJ/MA
 Sample : I2811-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-001-A

Manual Integrations
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Quant Time: Apr 26 02:42:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	137872	20.00	ng	-0.01
21) Naphthalene-d8	7.24	136	529148	20.00	ng	-0.02
38) Acenaphthene-d10	9.38	164	213407	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	325823	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	296051	20.00	ng	-0.02
86) Perylene-d12	16.08	264	240972	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	1167803	140.53	ng	0.00
7) Phenol-d6	5.38	99	1475492	150.61	ng	0.00
23) Nitrobenzene-d5	6.41	82	886484	103.45	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	222441	133.26	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1436711	99.05	ng	-0.01
78) Terphenyl-d14	13.18	244	946397	85.45	ng	-0.01
Target Compounds						
10) Phenol	5.40	94	80567	6.69	ng	88
49) Dimethylphthalate	9.07	163	123918	7.79	ng	97
70) Phenanthrene	11.22	178	105827	5.77	ng	97
74) Fluoranthene	12.69	202	146046	7.68	ng	98
77) Pyrene	12.96	202	129671	6.27	ng	96
80) Benzo(a)anthracene	14.44	228	61498	3.57	ng	98
82) Chrysene	14.48	228	64644	4.11	ng	97
87) Benzo(b)fluoranthene	15.68	252	71264m	4.83	ng	
89) Benzo(a)pyrene	16.02	252	48934	3.57	ng	# 83
91) Benzo(g,h,i)perylene	17.73	276	25222	2.18	ng	91

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

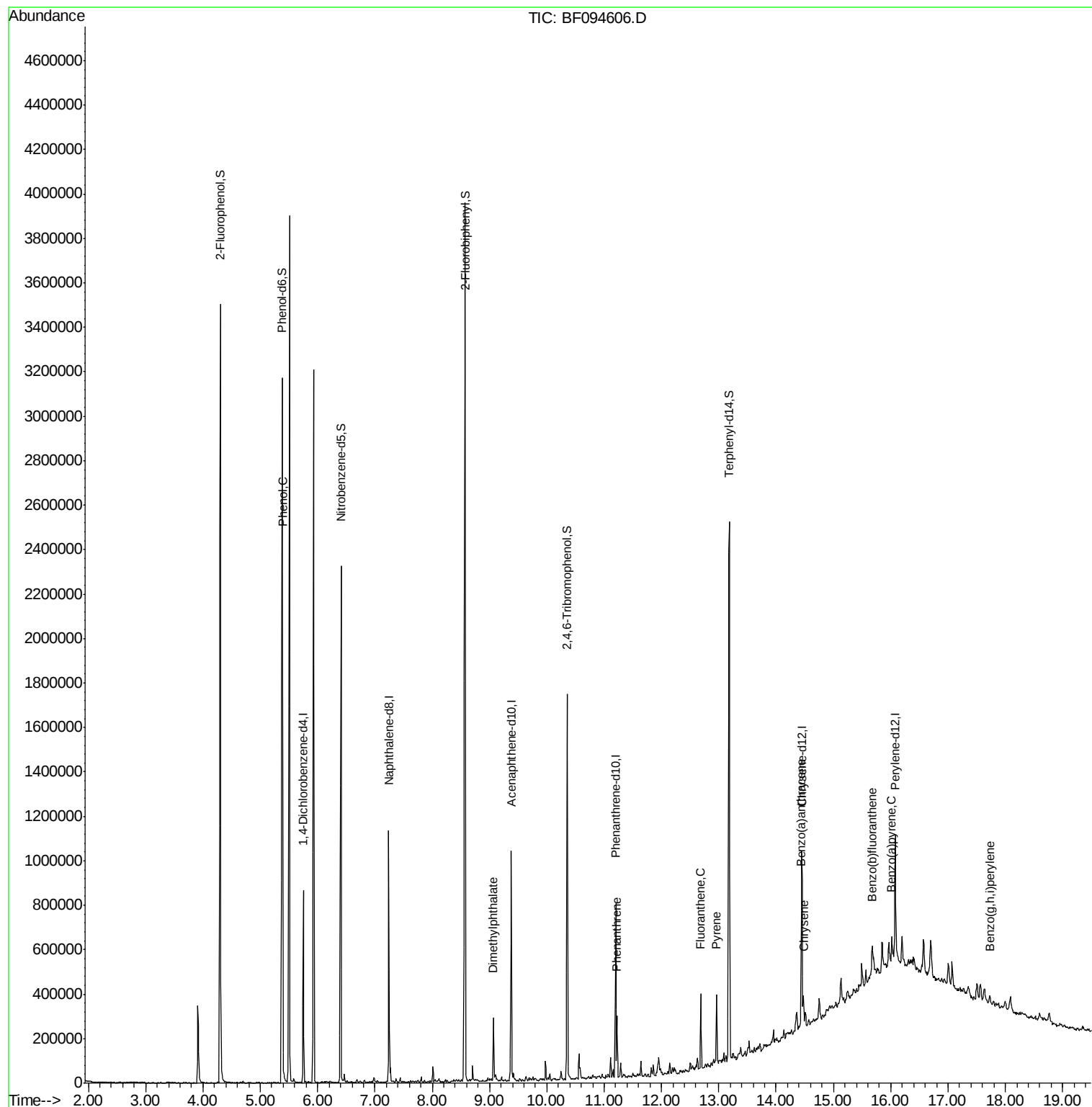
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
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Acq On : 25 Apr 2017 15:47
Operator : SJ/MA
Sample : I2811-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

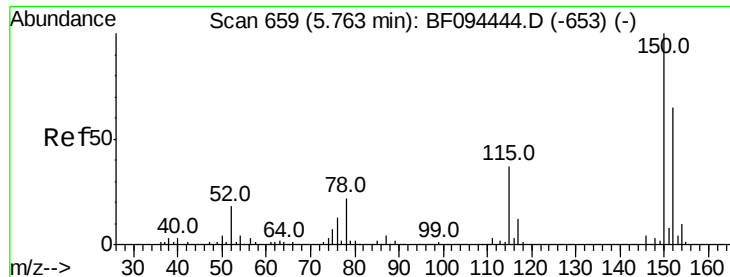
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-A

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#1

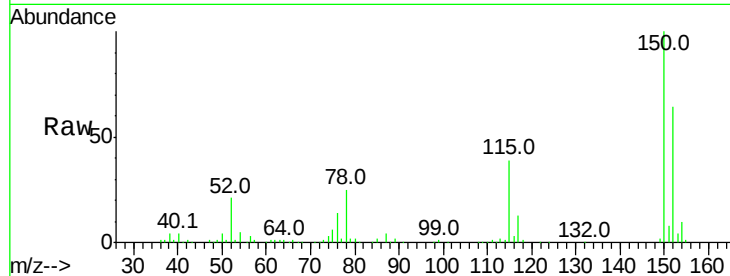
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.2	189.2
115	61.7	52.2	78.2

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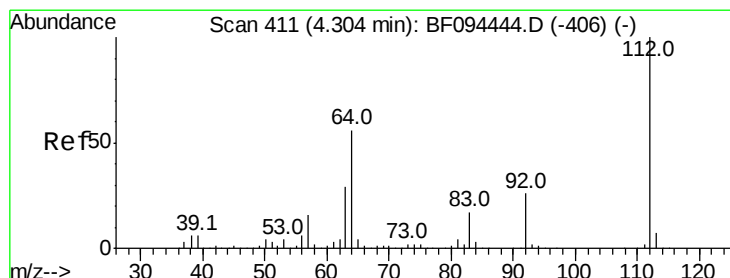
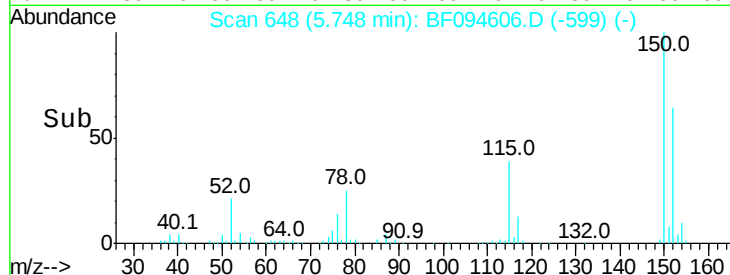
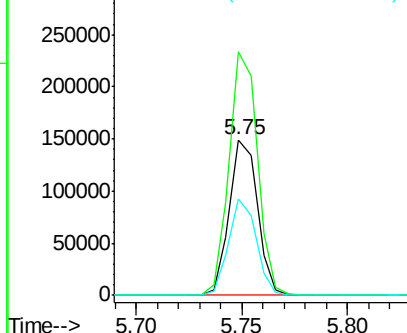


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

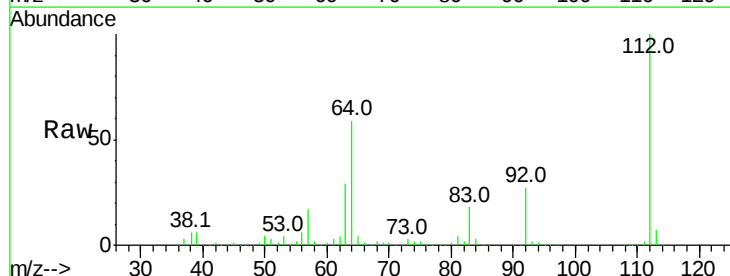
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 140.53 ng
RT: 4.30 min Scan# 402
Delta R.T. -0.00 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.0	69.0
63	29.4	23.4	35.0

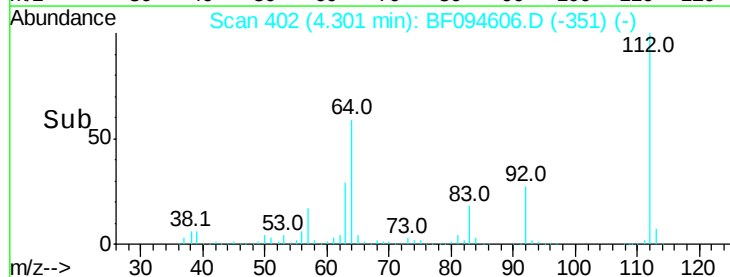
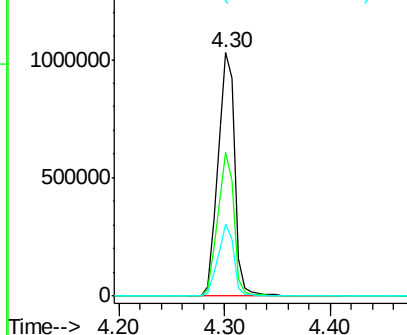


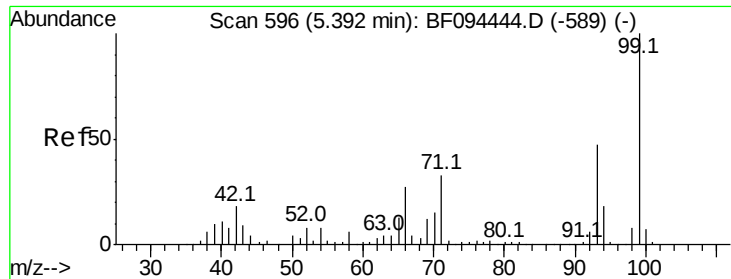
Abundance

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: 150.61 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-001-A

Tot Ion: 99 Resp: 1475492

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

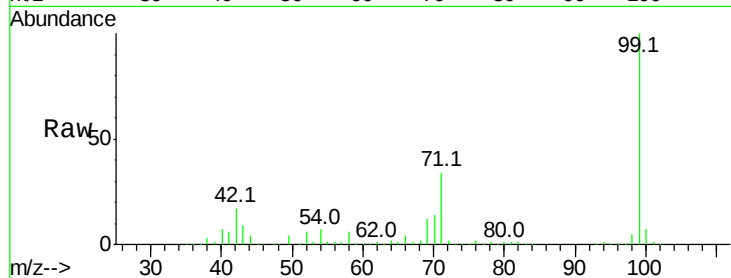
71 33.5 24.5 36.7

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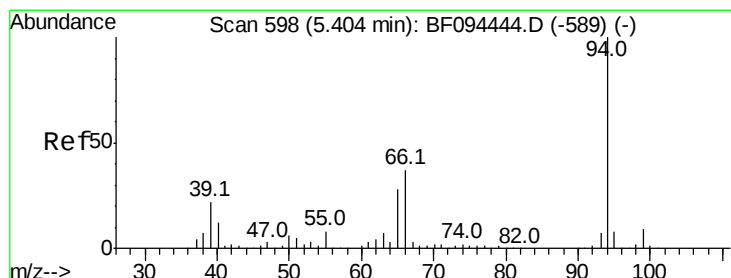
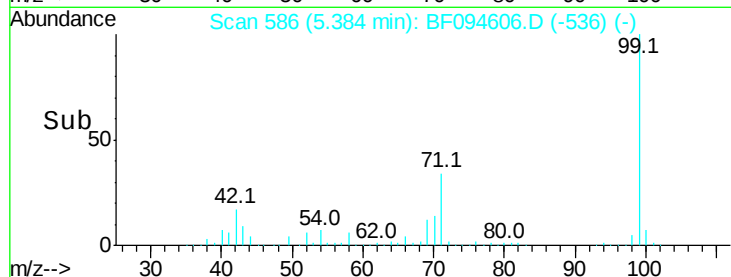
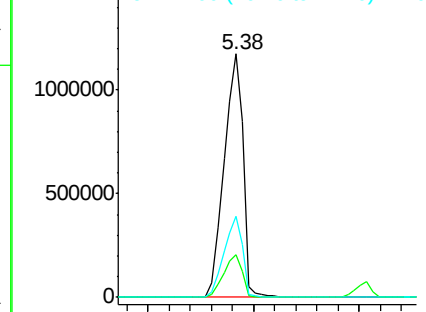
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.69 ng

RT: 5.40 min Scan# 588

Delta R.T. -0.01 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

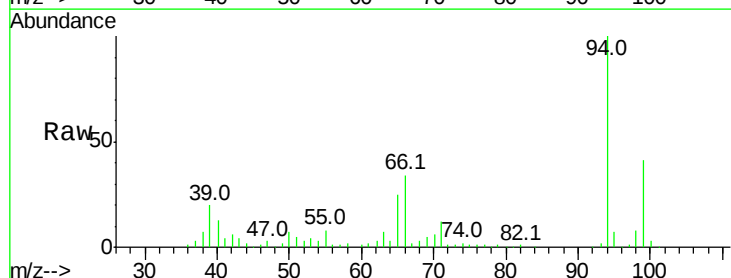
Tgt Ion: 94 Resp: 80567

Ion Ratio Lower Upper

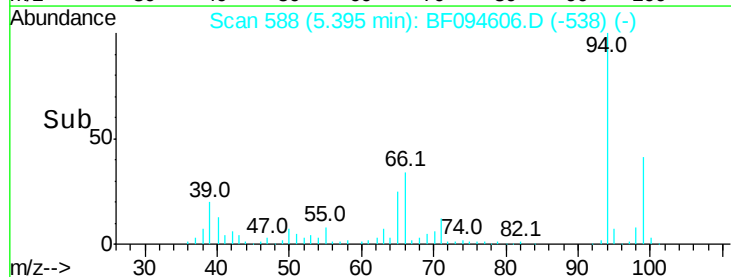
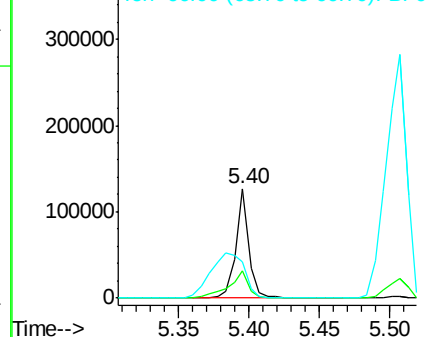
94 100

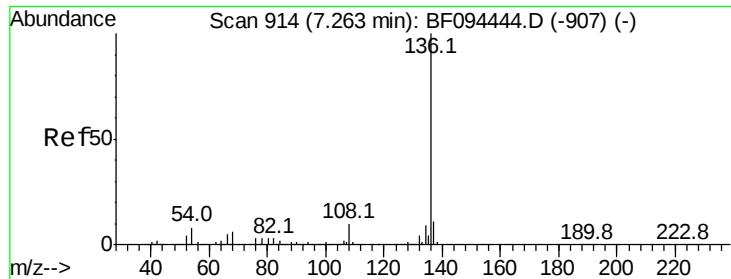
65 25.2 9.9 49.9

66 33.7 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





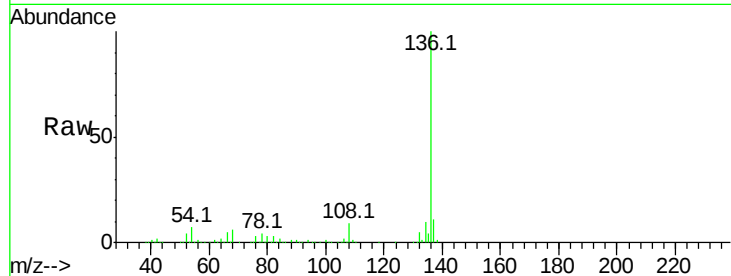
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.24 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-A

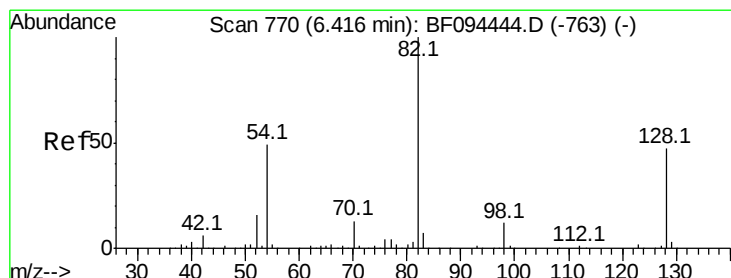
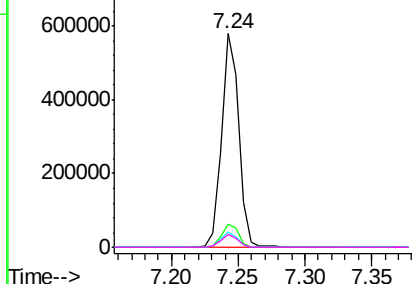
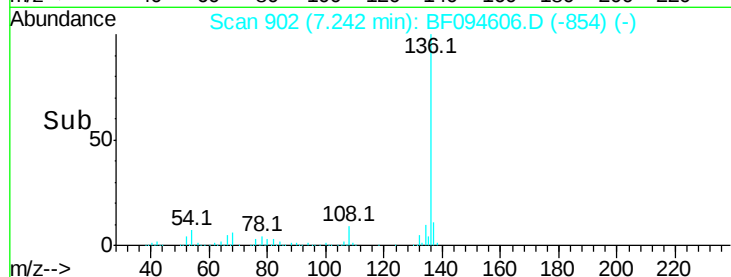
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	7.4	4.9	7.3	
68	5.9	4.1	6.1	

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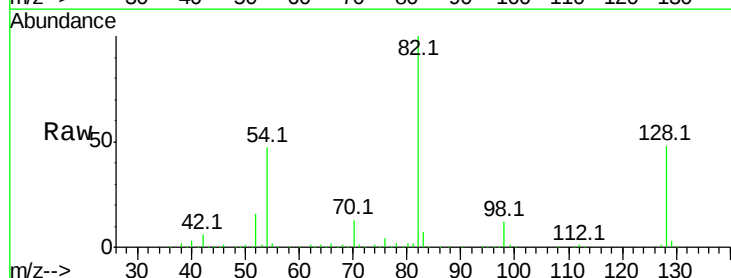


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

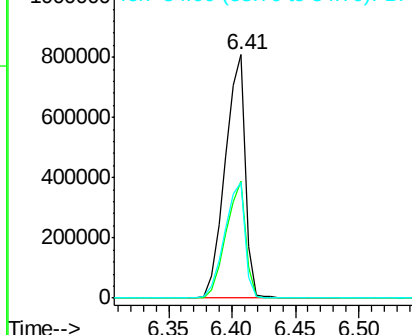
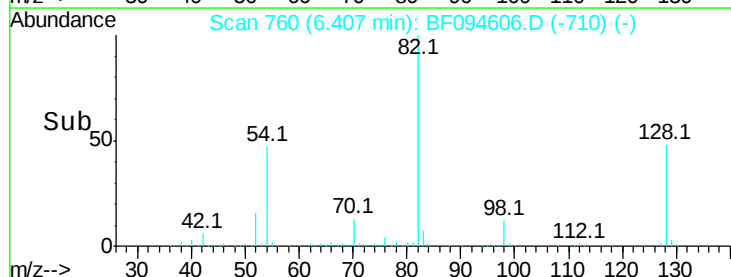


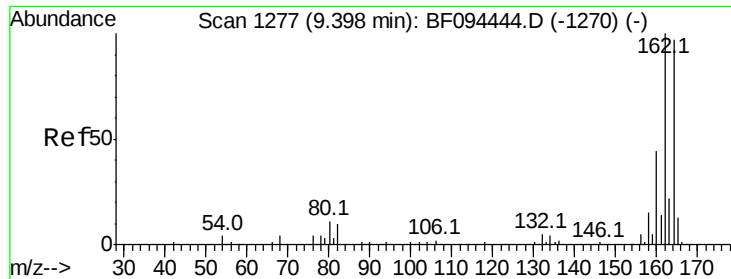
#23
Nitrobenzene-d5
Concen: 103.45 ng
RT: 6.41 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.3	34.0	51.0	
54	47.4	42.2	63.2	



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





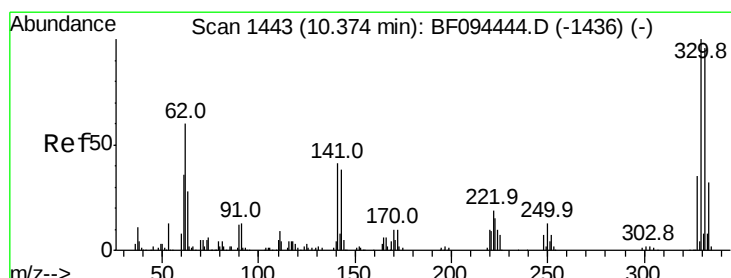
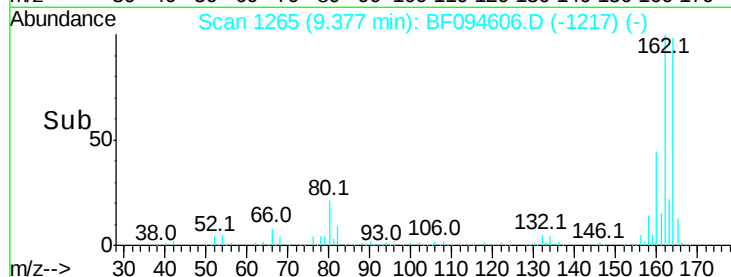
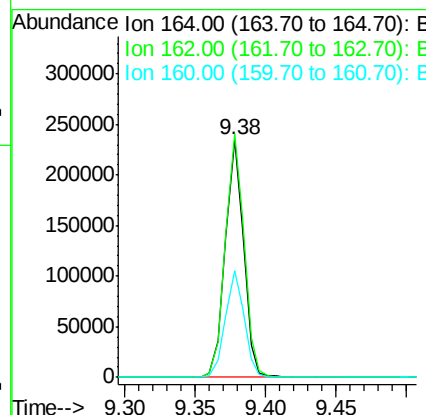
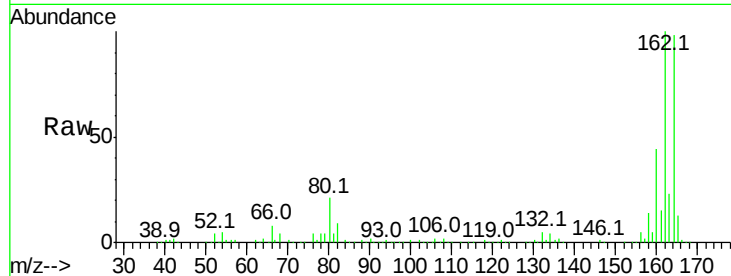
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	44.6	36.2	54.2

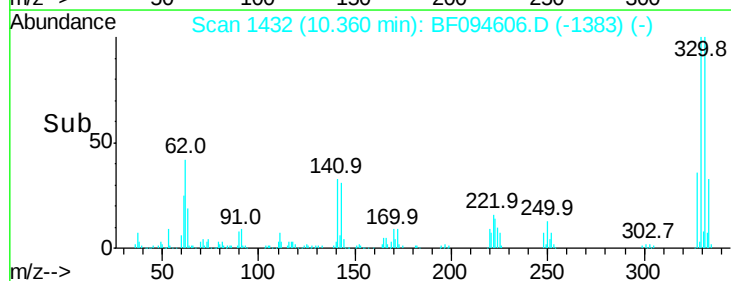
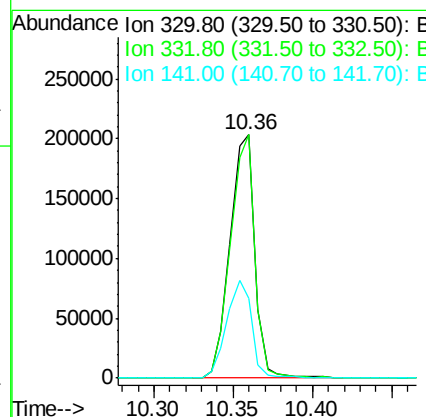
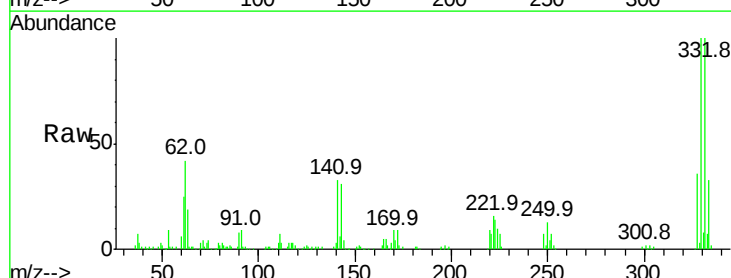
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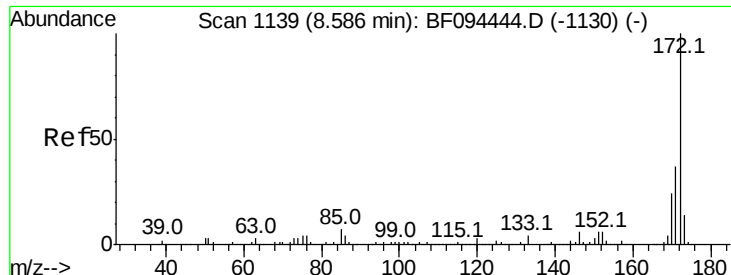
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#41
2,4,6-Tribromophenol
Concen: 133.26 ng
RT: 10.36 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	115.0
141	40.9	31.4	47.2





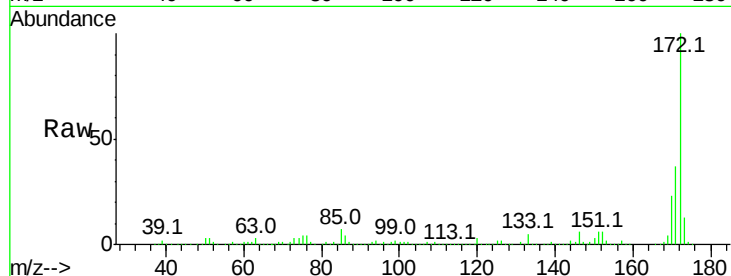
#44
2-Fluorobiphenyl
Concen: 99.05 ng
RT: 8.57 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-A

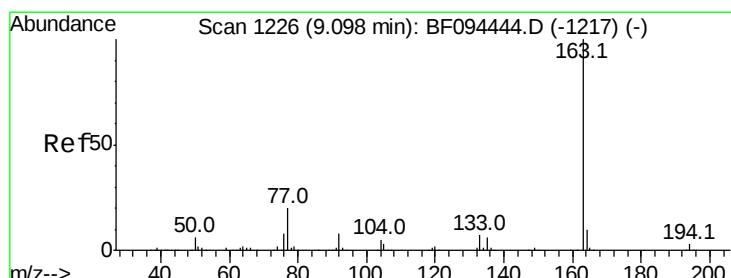
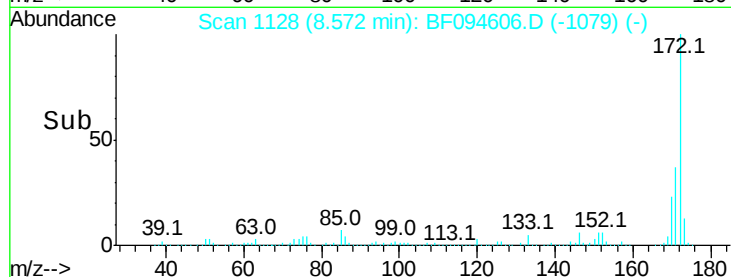
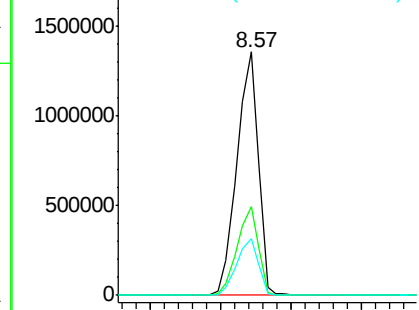
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	23.5	19.8	29.8

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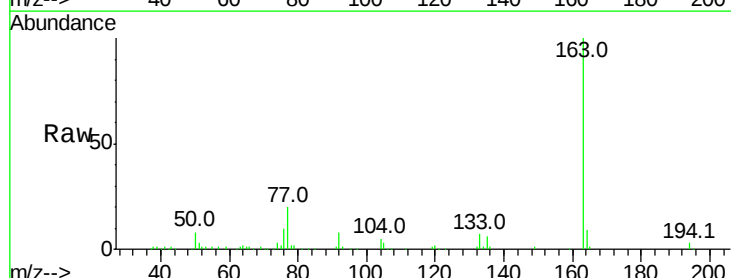


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

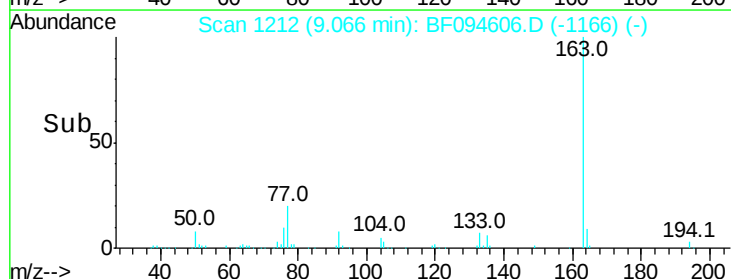
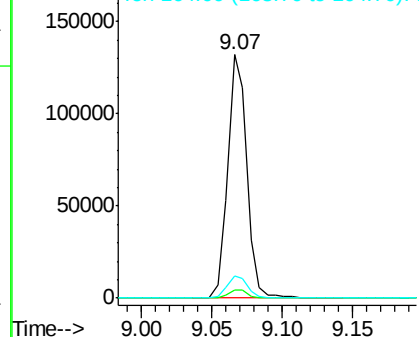


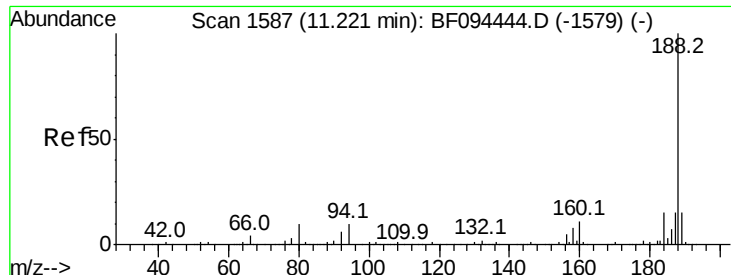
#49
Dimethylphthalate
Concen: 7.79 ng
RT: 9.07 min Scan# 1212
Delta R.T. -0.03 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.3	8.4	12.6



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :

BNA_F

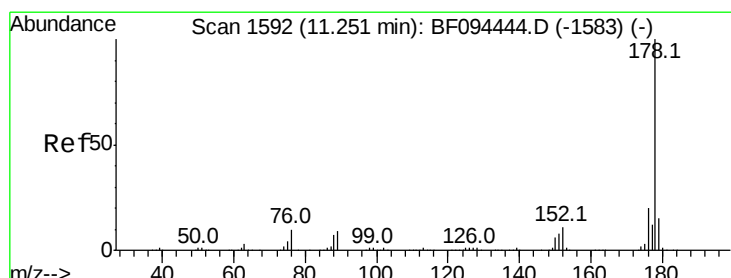
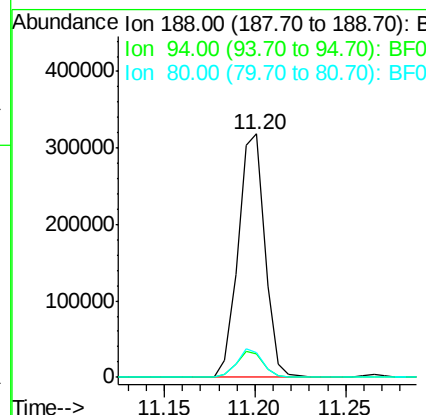
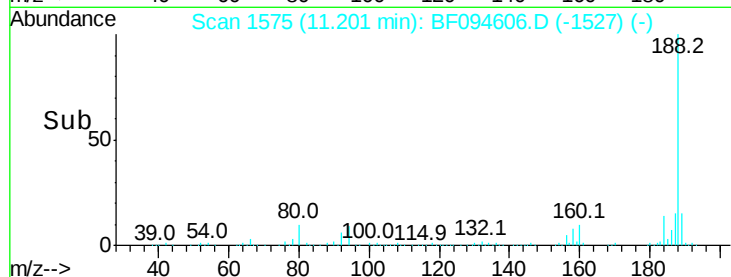
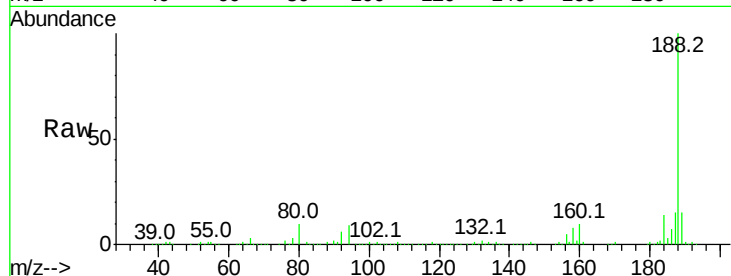
ClientSampleId :

FK-SF-03-001-A

Tot Ion:	188	Resp:	325823
Ion Ratio	Lower	Upper	
188	100		
94	9.5	9.4	14.2
80	10.0	10.2	15.2#

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#70

Phenanthrene

Concen: 5.77 ng

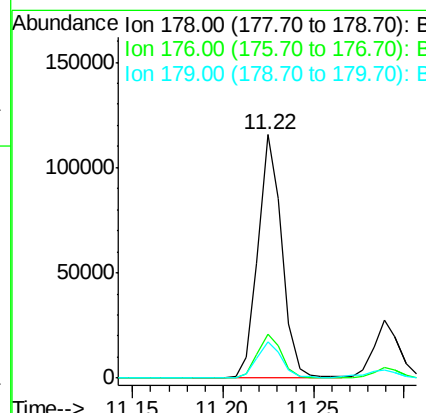
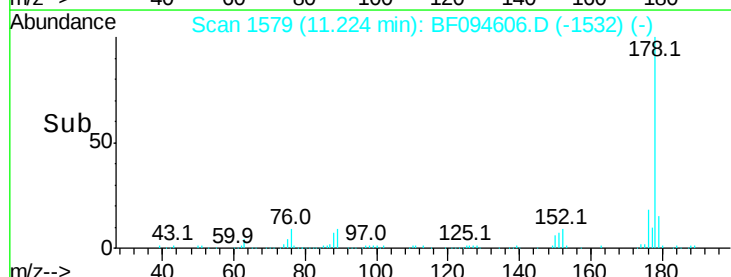
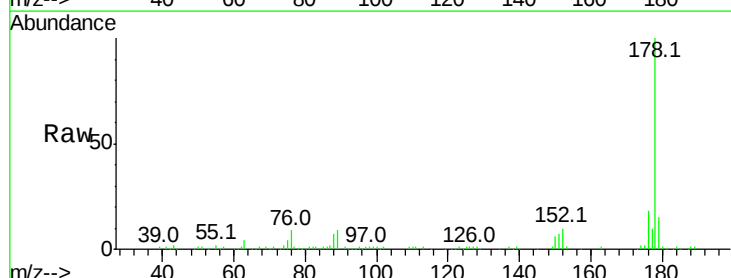
RT: 11.22 min Scan# 1579

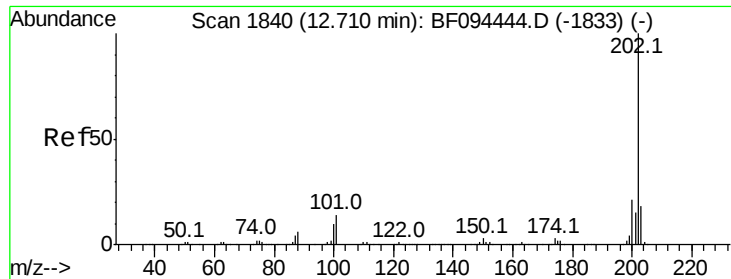
Delta R.T. -0.03 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Tgt Ion:	178	Resp:	105827
Ion Ratio	Lower	Upper	
178	100		
176	18.1	16.2	24.4
179	15.1	12.6	19.0





#74

Fluoranthene

Concen: 7.68 ng

RT: 12.69 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :

BNA_F

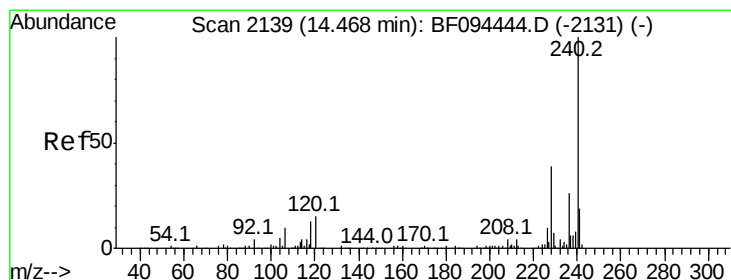
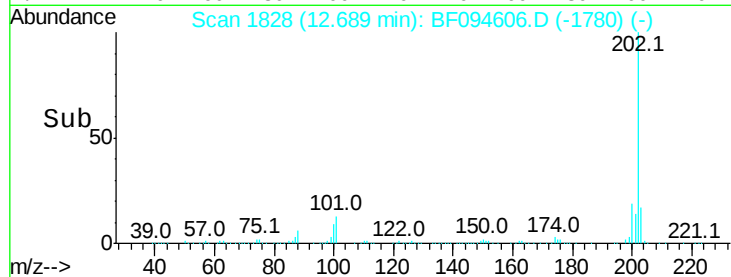
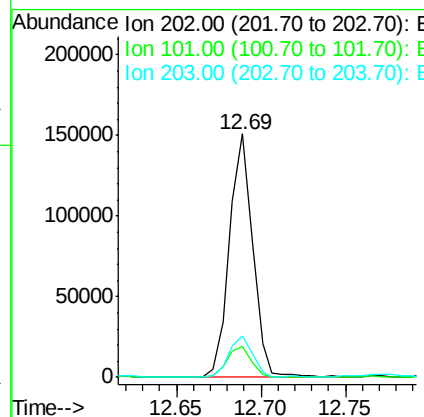
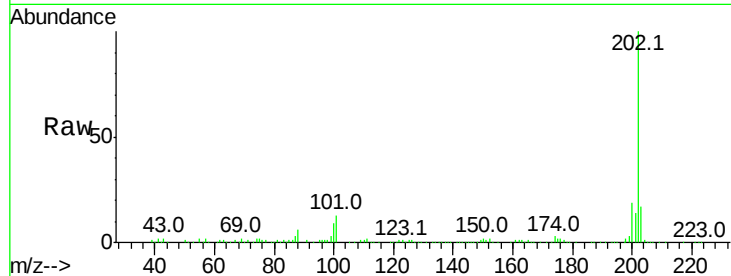
ClientSampleId :

FK-SF-03-001-A

Tot Ion:	202	Resp:	146046
Ion Ratio		Lower	Upper
202	100		
101	12.8	0.0	33.2
203	16.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

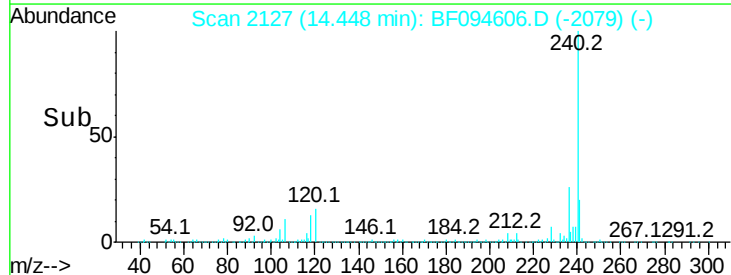
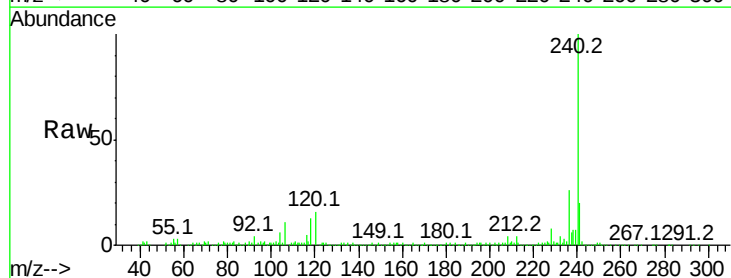
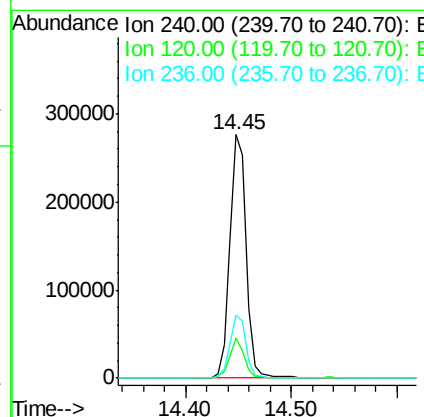
RT: 14.45 min Scan# 2127

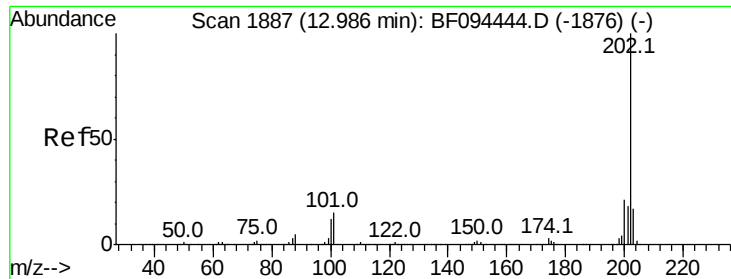
Delta R.T. -0.02 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Tgt Ion:	240	Resp:	296051
Ion Ratio		Lower	Upper
240	100		
120	16.3	5.8	8.8#
236	26.1	20.5	30.7





#77

Pvrene

Concen: 6.27 ng

RT: 12.96 min Scan# 1874

Delta R.T. -0.03 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :

BNA_F

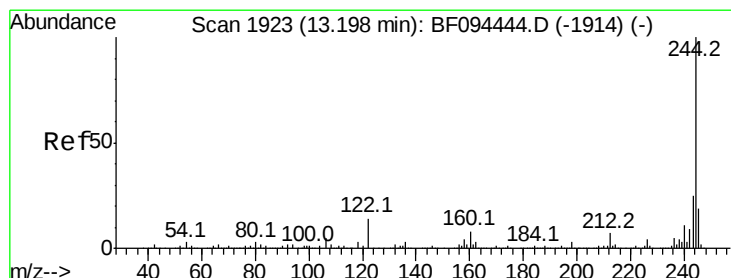
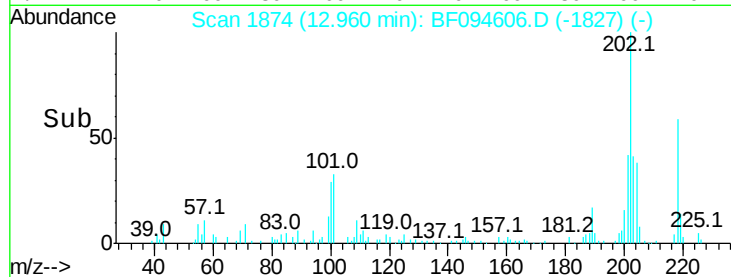
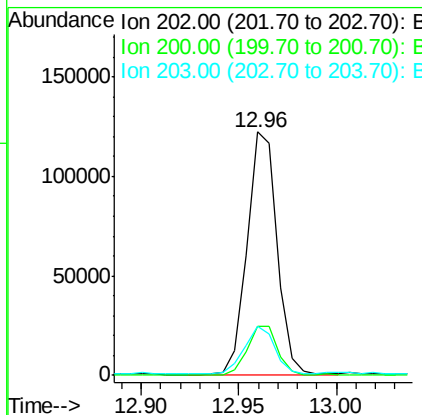
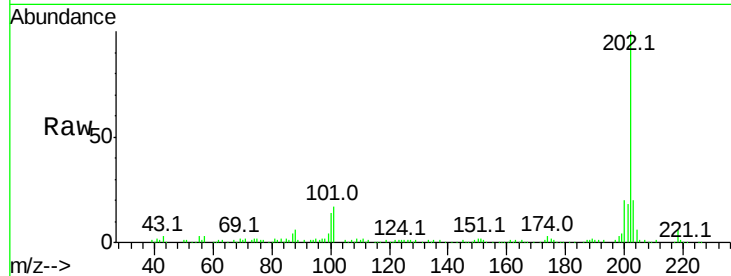
ClientSampleId :

FK-SF-03-001-A

Tot Ion:	202	Resp:	129671
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.6	26.4
203	20.2	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 85.45 ng

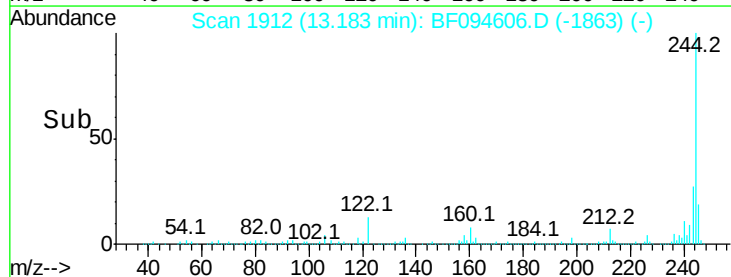
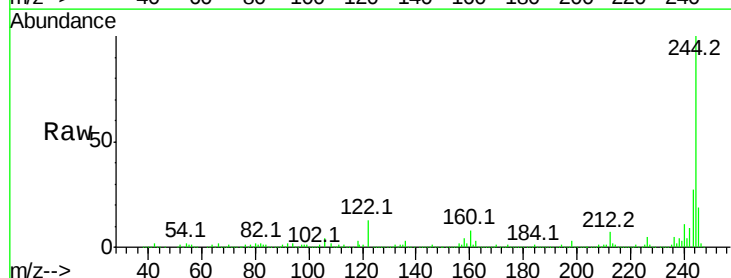
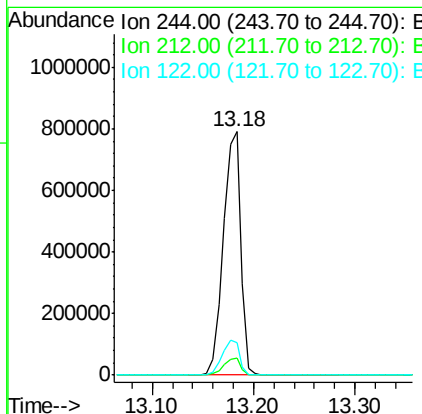
RT: 13.18 min Scan# 1912

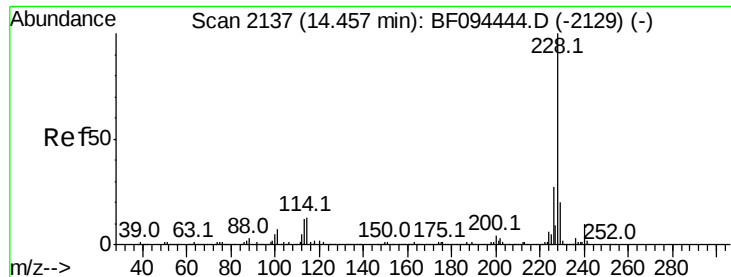
Delta R.T. -0.01 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Tgt Ion:	244	Resp:	946397
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	13.2	10.3	15.5





#80

Benzo(a)anthracene

Concen: 3.57 ng

RT: 14.44 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :

BNA_F

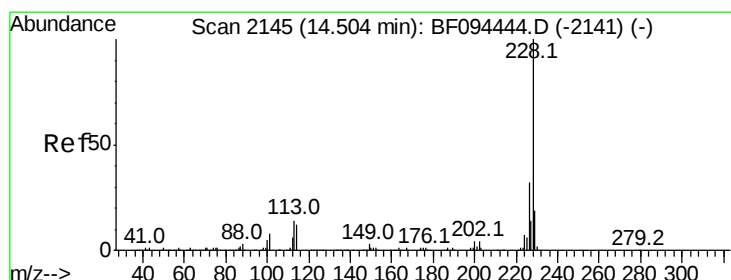
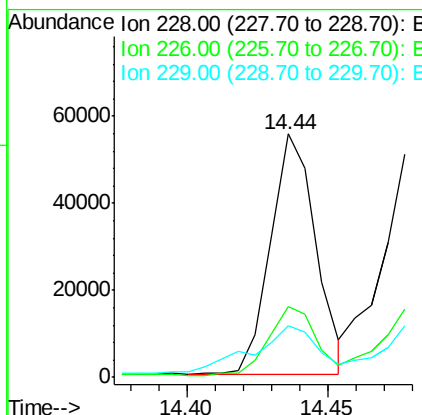
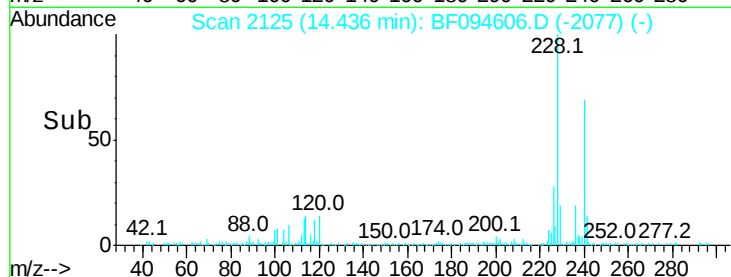
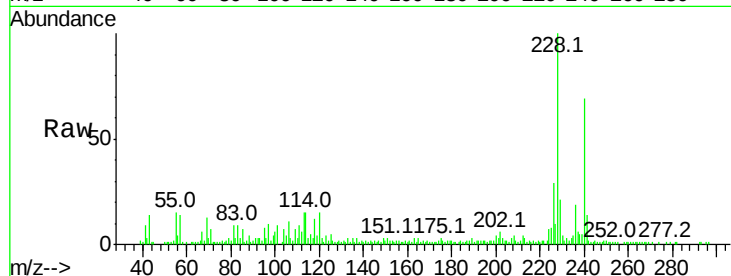
ClientSampleId :

FK-SF-03-001-A

Tot Ion:228	Resp:	61498
Ion Ratio	Lower	Upper
228 100		
226 29.3	22.6	33.8
229 21.4	16.3	24.5

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#82

Chrysene

Concen: 4.11 ng

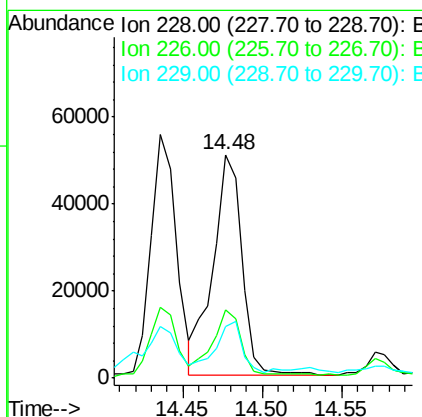
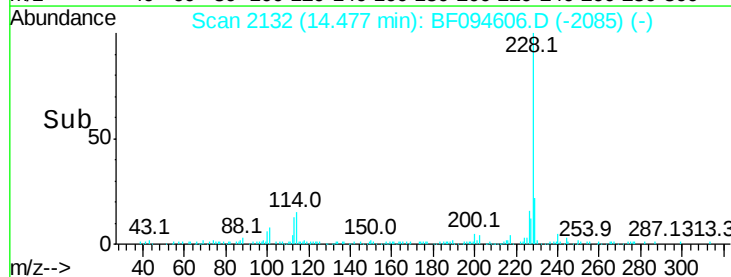
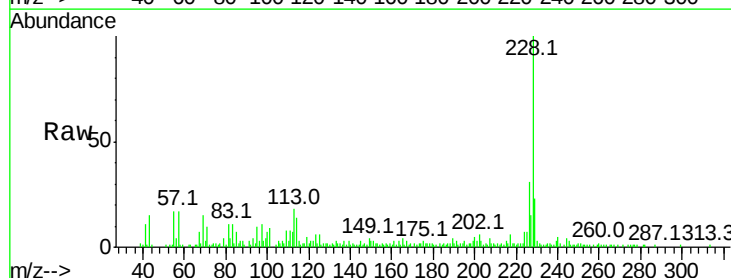
RT: 14.48 min Scan# 2132

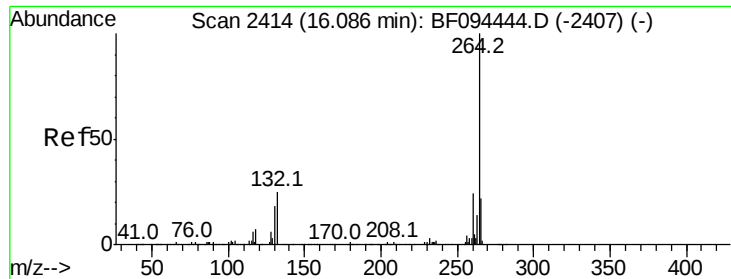
Delta R.T. -0.03 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Tgt Ion:228	Resp:	64644
Ion Ratio	Lower	Upper
228 100		
226 30.8	24.9	37.3
229 23.0	15.8	23.6





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :

BNA_F

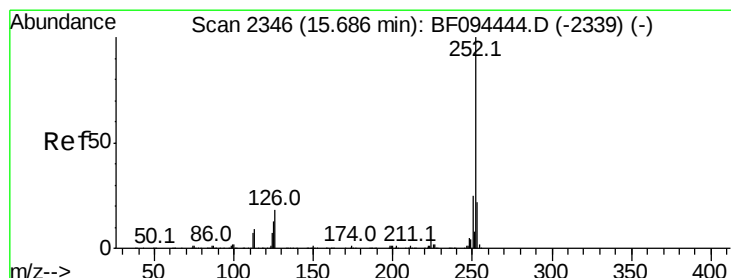
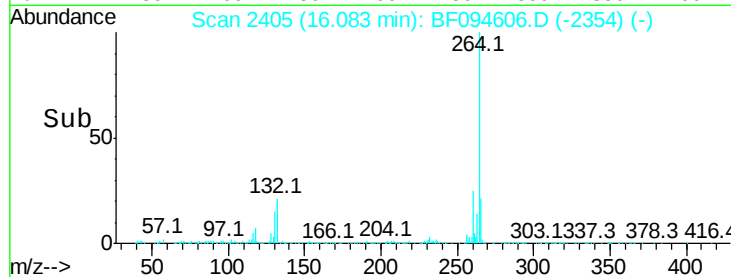
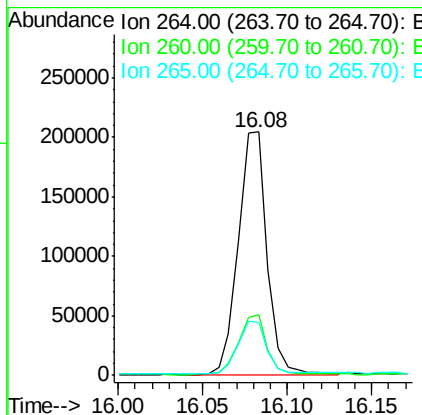
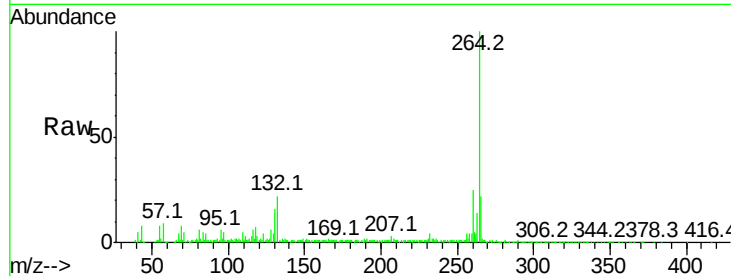
ClientSampleId :

FK-SF-03-001-A

Tot Ion:	264	Resp:	240972
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.5	29.3
265	21.7	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 4.83 ng m

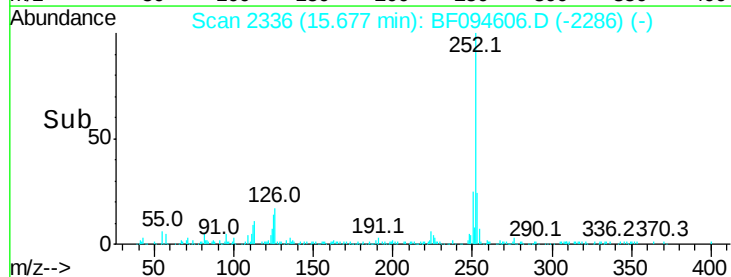
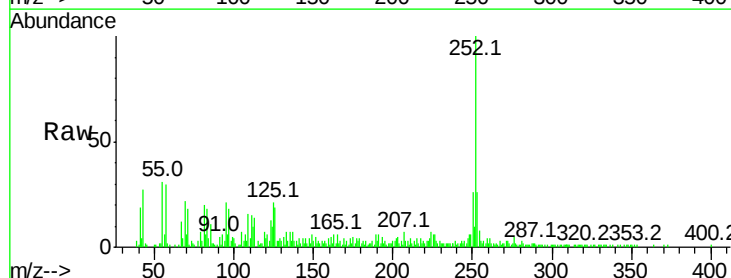
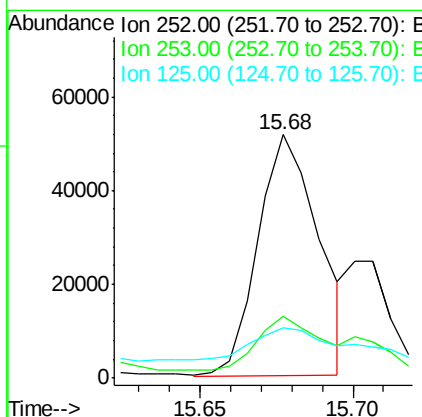
RT: 15.68 min Scan# 2336

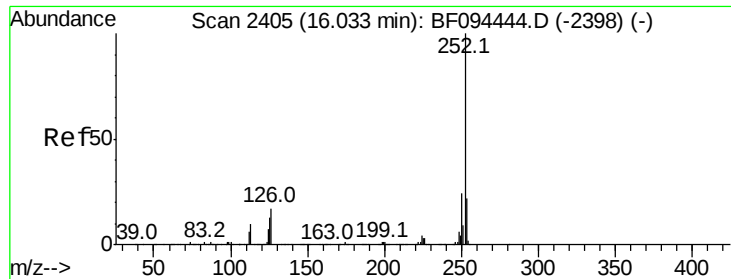
Delta R.T. -0.01 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Tgt Ion:	252	Resp:	71264
Ion Ratio	Lower	Upper	
252	100		
253	25.5	18.1	27.1
125	20.7	9.8	14.8#





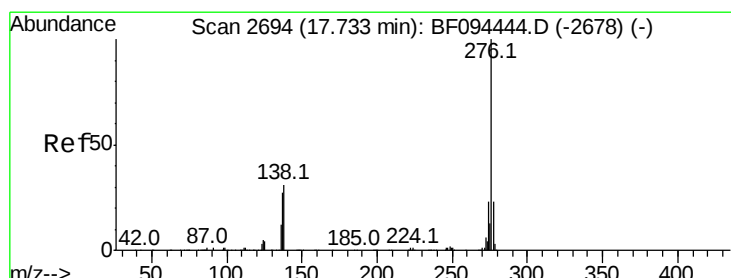
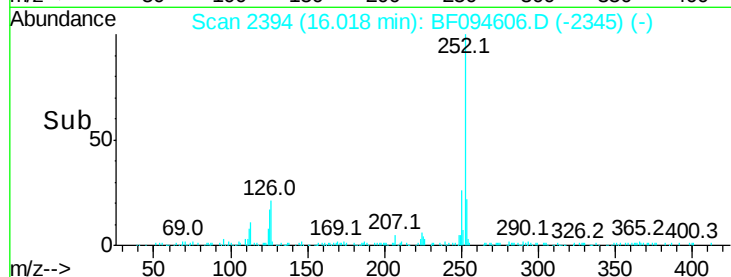
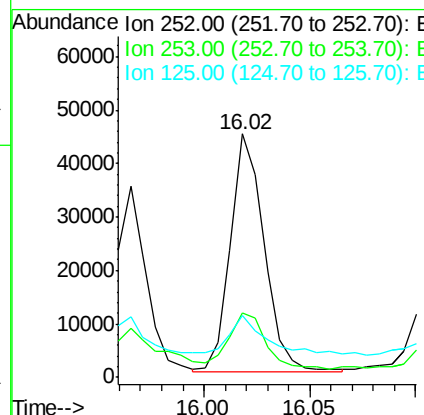
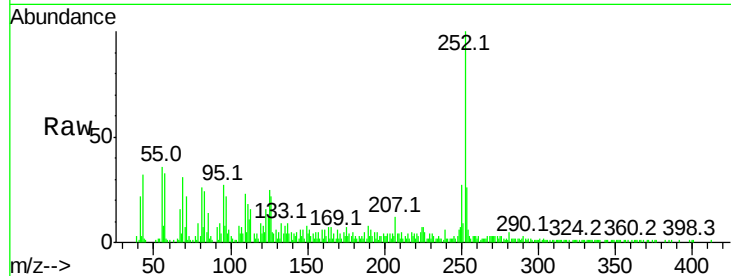
#89
Benzo(a)pyrene
Concen: 3.57 ng
RT: 16.02 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.5	26.3#
125	25.3	11.0	16.4#

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#91
Benzo(g,h,i)perylene
Concen: 2.18 ng
RT: 17.73 min Scan# 2685
Delta R.T. -0.00 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.6	28.0
138	37.4	25.4	38.0

