

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092447.D
 Acq On : 24 Jan 2017 23:41
 Operator : UM/SJ
 Sample : I1383-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-001-A

Manual Integrations
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Quant Time: Jan 25 00:35:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	157198	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	642624	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	324148	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	502686	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	346675	20.00	ng	-0.01
86) Perylene-d12	15.63	264	321785	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	896716	88.75	ng	0.01
7) Phenol-d6	6.59	99	1523949	118.41	ng	0.00
23) Nitrobenzene-d5	7.53	82	866104	73.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	129732	58.73	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1361004	77.64	ng	-0.01
78) Terphenyl-d14	13.11	244	1053721	80.94	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.60	94	95002	6.12	ng	# 61
31) Naphthalene	8.28	128	185432	5.64	ng	99
37) 2-Methylnaphthalene	8.98	142	70980	3.41	ng	98
49) Dimethylphthalate	9.73	163	123846	6.01	ng	98
51) Acenaphthene	10.05	154	125048	7.17	ng	96
54) Dibenzofuran	10.22	168	137630	5.81	ng	99
57) Fluorene	10.58	166	127259	7.25	ng	98
70) Phenanthrene	11.54	178	707766	25.57	ng	98
71) Anthracene	11.59	178	176971	6.54	ng	96
72) Carbazole	11.75	167	74436	2.88	ng	97
74) Fluoranthene	12.73	202	509954	18.83	ng	97
77) Pvrene	12.96	202	427727	17.03	ng	98
80) Benzo(a)anthracene	14.15	228	155197	8.33	ng	99
82) Chrysene	14.18	228	138896m	6.98	ng	
83) Bis(2-ethylhexyl)phthalate	14.15	149	28666m	2.24	ng	
85) Indeno(1,2,3-cd)pyrene	17.11	276	64107	4.35	ng	93
87) Benzo(b)fluoranthene	15.20	252	144627m	7.00	ng	
88) Benzo(k)fluoranthene	15.21	252	59213m	3.45	ng	
89) Benzo(a)pvrene	15.56	252	101808	5.83	ng	# 95
91) Benzo(a,h,i)perylene	17.55	276	64795	4.53	ng	# 88

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

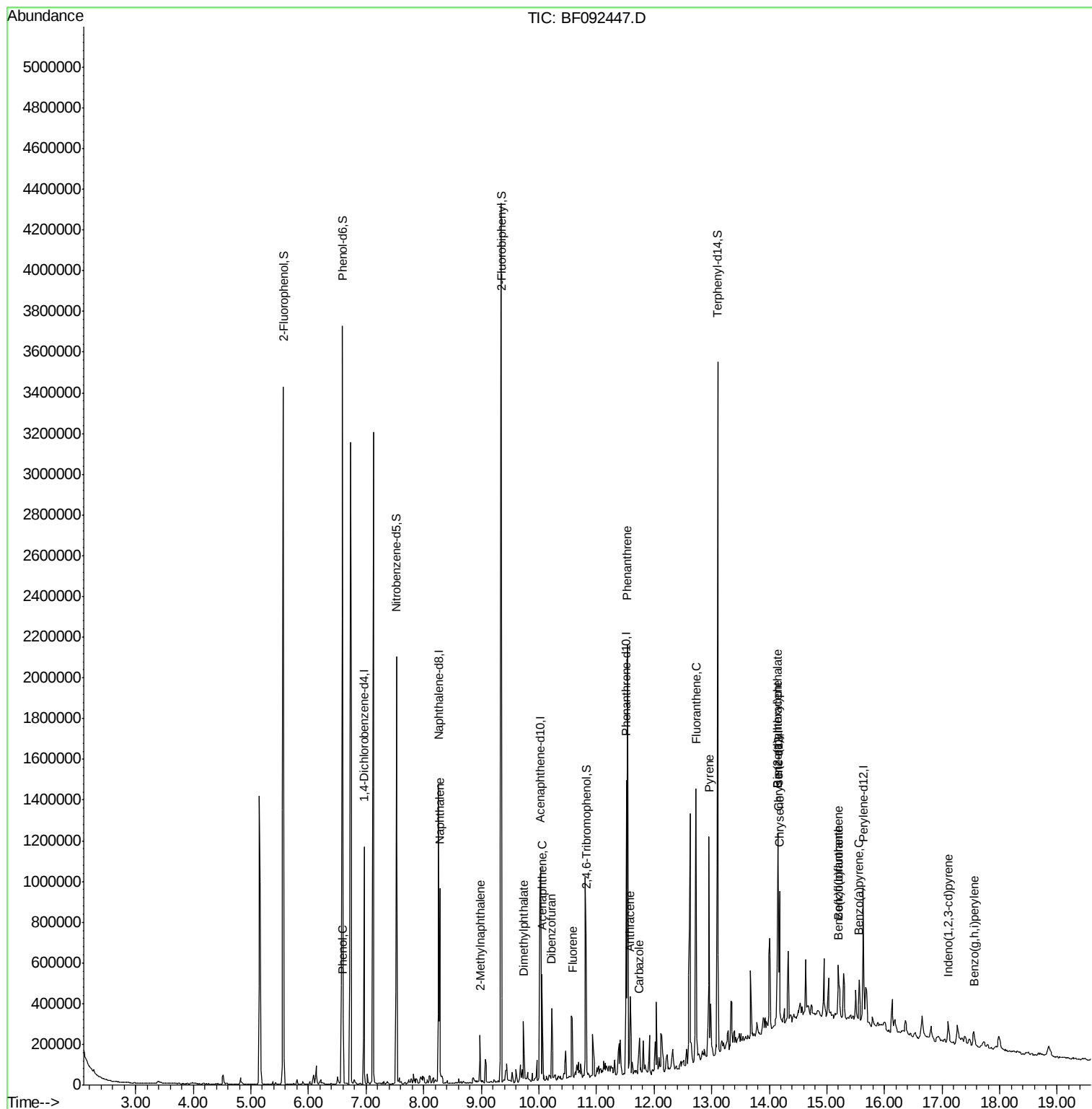
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
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ALS Vial : 28 Sample Multiplier: 1

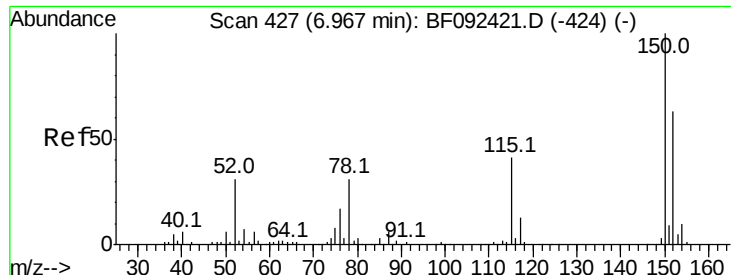
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 13:48:07 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Instrument :

BNA_F

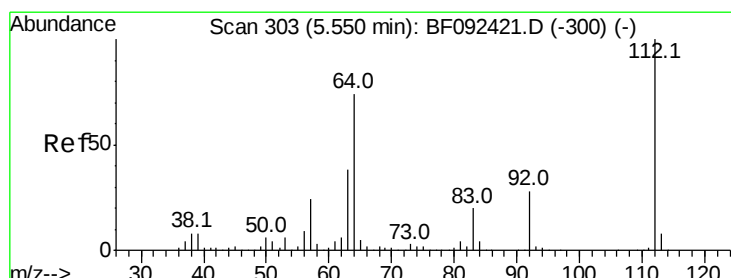
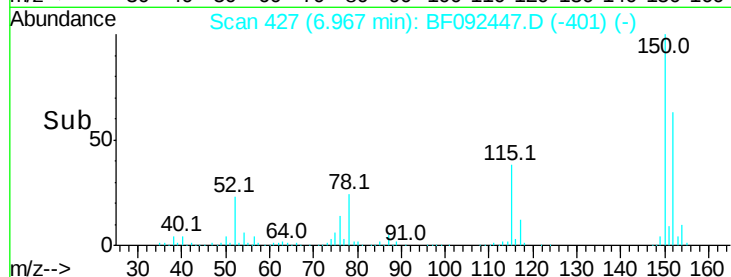
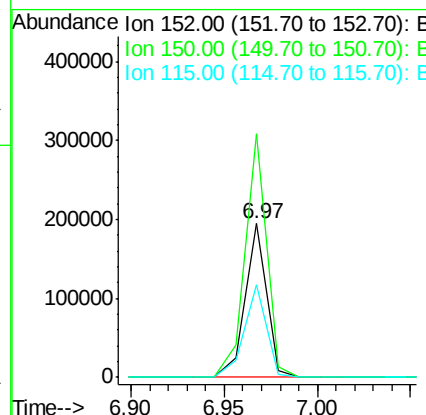
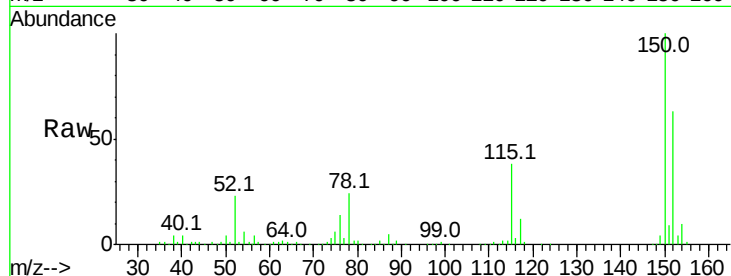
ClientSampleId :

FK-SF-01-001-A

Tot Ion:	152	Resp:	157198
Ion Ratio	Lower	Upper	
152	100		
150	158.4	124.9	187.3
115	59.8	46.0	69.0

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#5

2-Fluorophenol

Concen: 88.75 ng

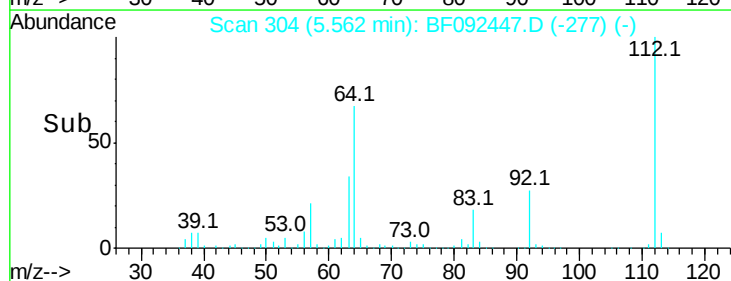
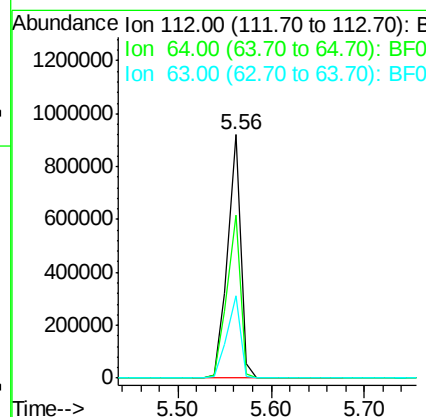
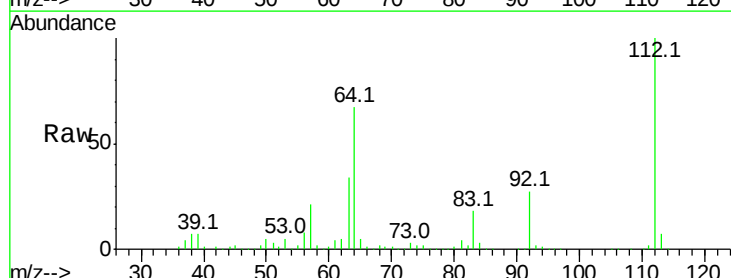
RT: 5.56 min Scan# 304

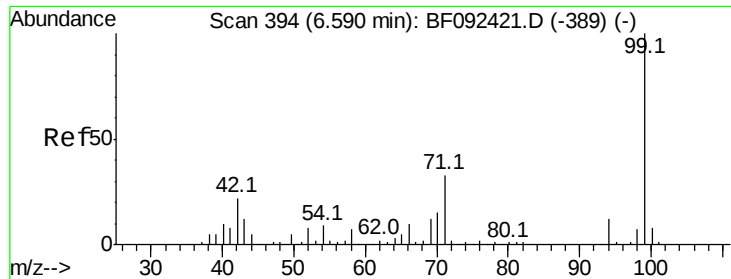
Delta R.T. 0.01 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Tgt Ion:	112	Resp:	896716
Ion Ratio	Lower	Upper	
112	100		
64	66.9	46.1	69.1
63	34.0	23.8	35.6





#7

Phenol-d6

Concen: 118.41 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-001-A

Tot Ion: 99 Resp: 1523949

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

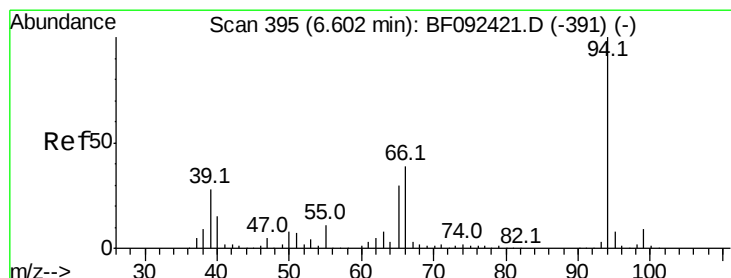
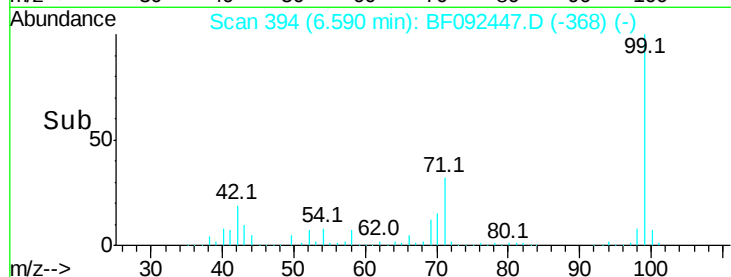
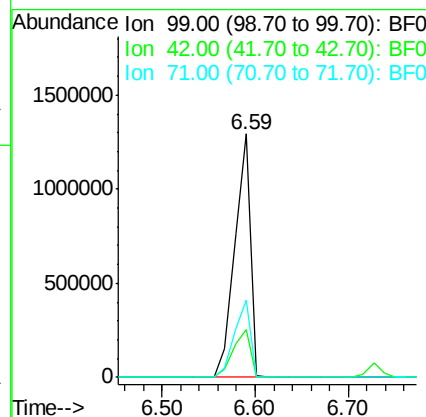
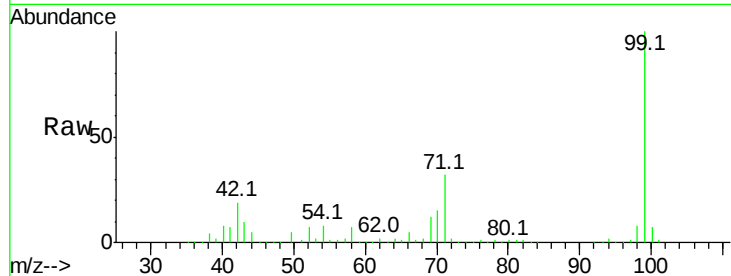
71 31.8 27.5 41.3

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#10

Phenol

Concen: 6.12 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

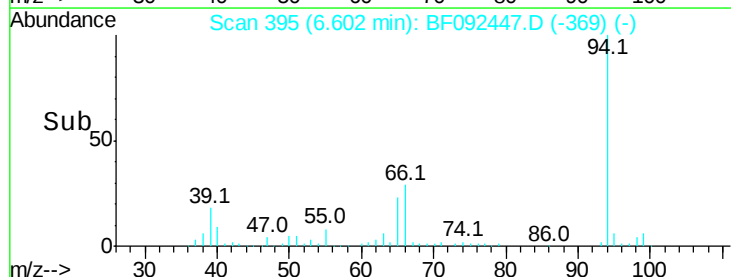
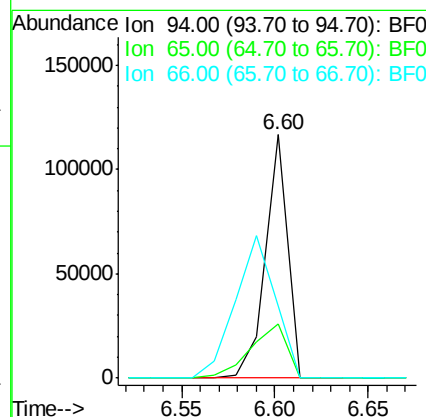
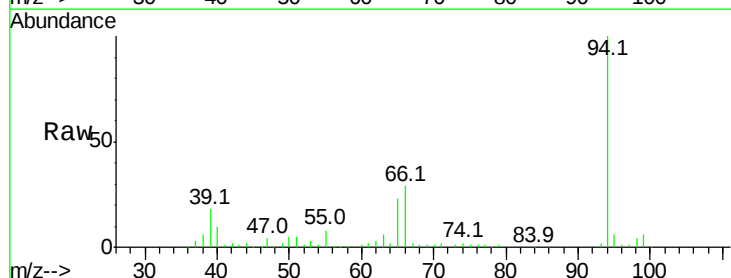
Tgt Ion: 94 Resp: 95002

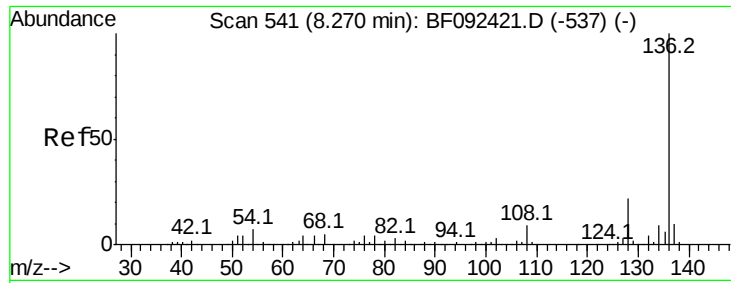
Ion Ratio Lower Upper

94 100

65 22.5 21.4 61.4

66 29.5 44.0 84.0#





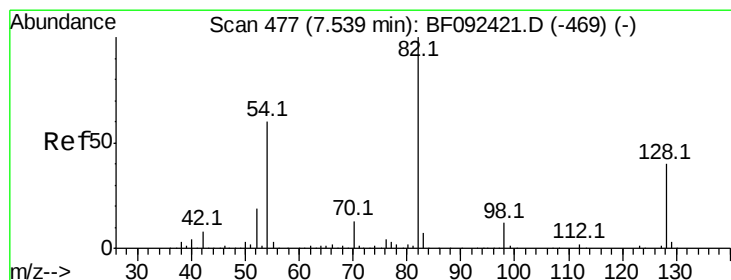
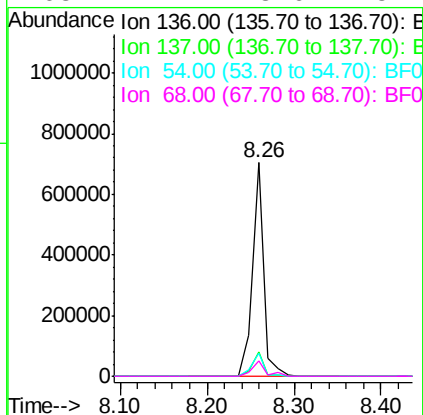
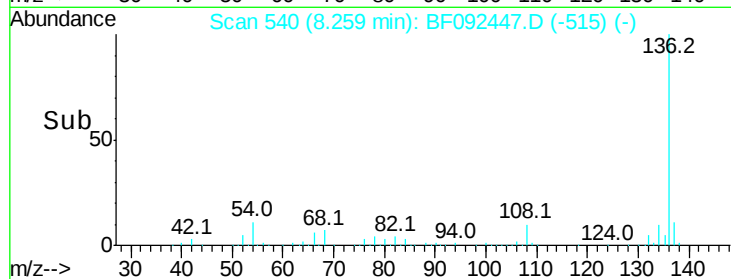
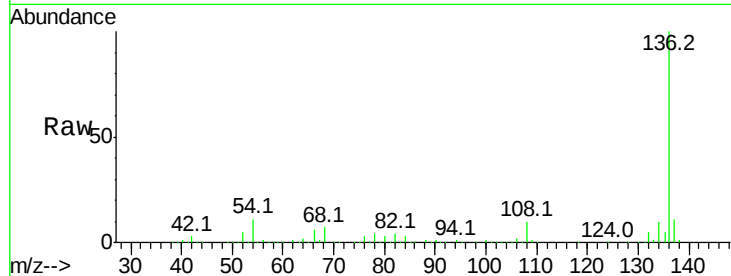
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092447.D
Acq: 24 Jan 2017 23:41

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.4	12.6	
54	10.6	4.5	6.7#	
68	7.2	3.6	5.4#	

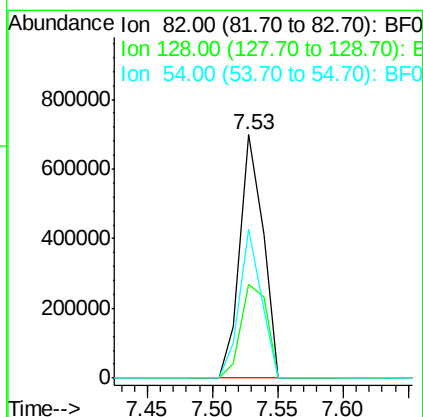
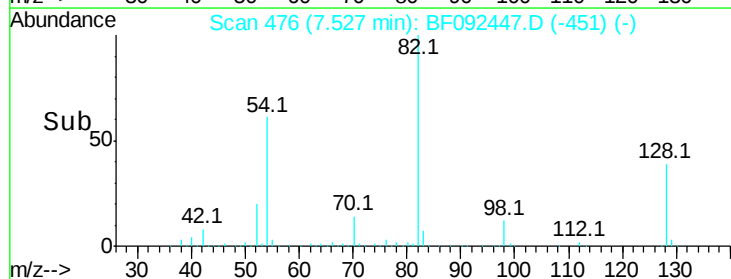
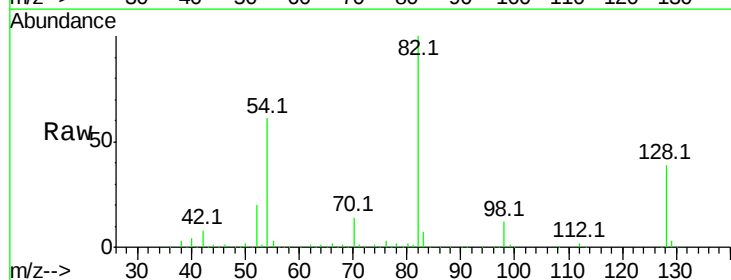
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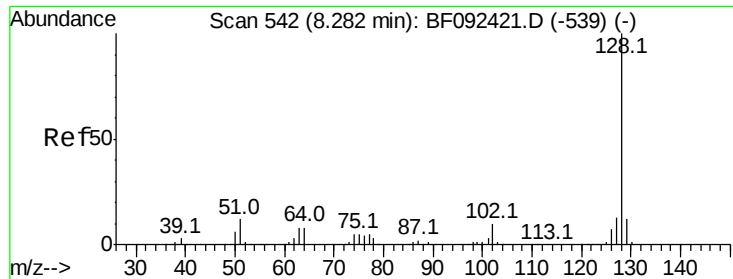
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#23
Nitrobenzene-d5
Concen: 73.62 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092447.D
Acq: 24 Jan 2017 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.6	34.6	52.0	
54	61.2	39.5	59.3#	





#31

Naphthalene

Concen: 5.64 ng

RT: 8.28 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Instrument :

BNA_F

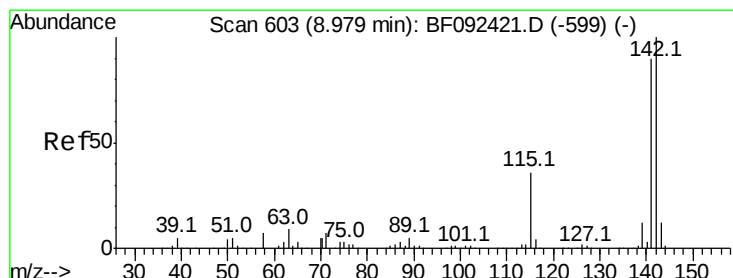
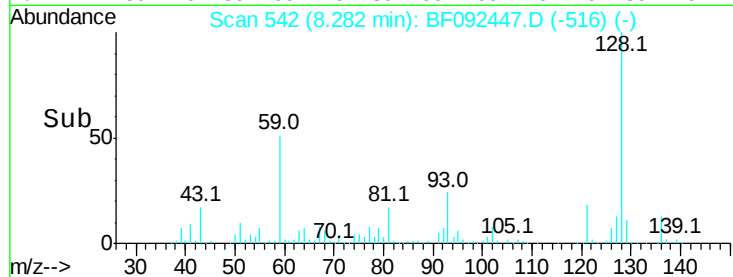
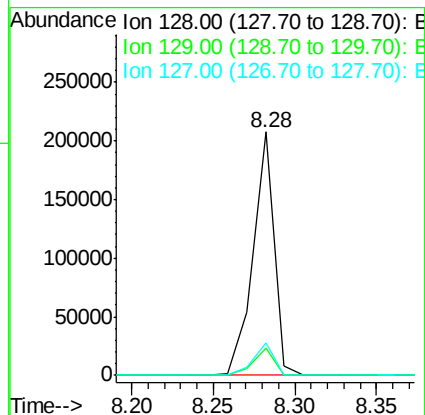
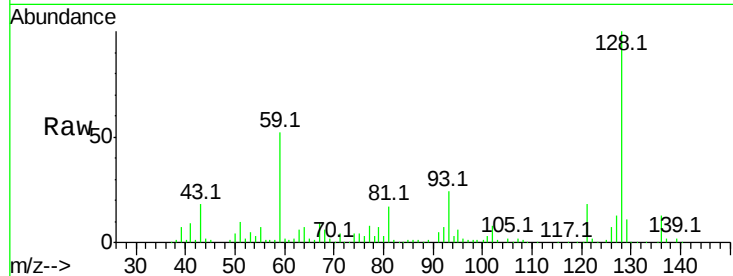
ClientSampleId :

FK-SF-01-001-A

Tot Ion:	128	Resp:	185432
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.5	14.3
127	13.2	10.8	16.2

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#37

2-Methylnaphthalene

Concen: 3.41 ng

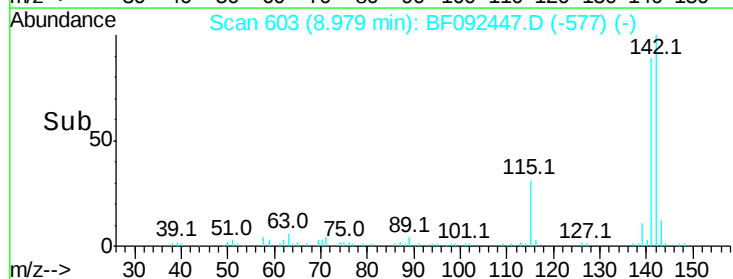
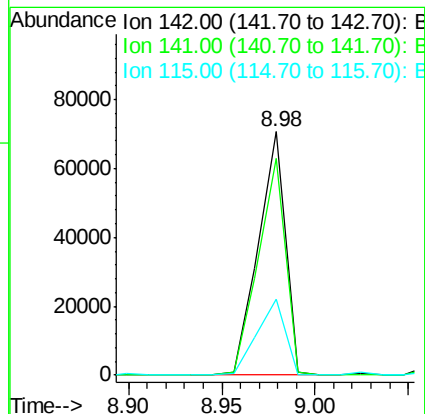
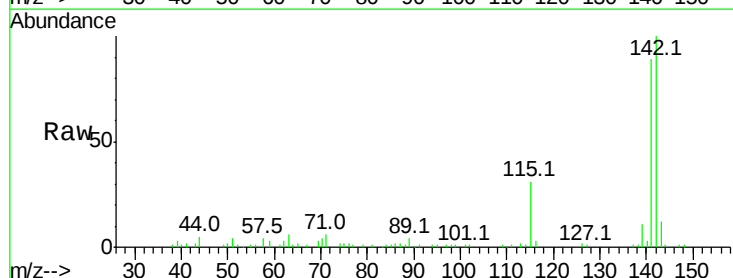
RT: 8.98 min Scan# 603

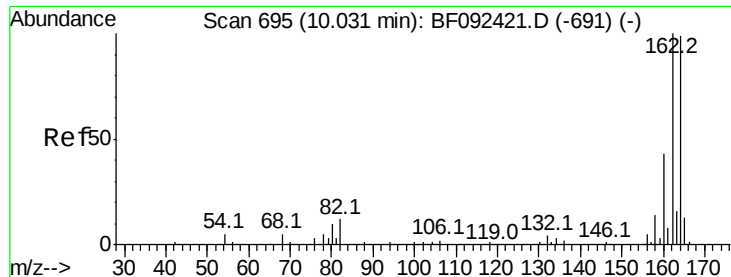
Delta R.T. 0.00 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Tgt Ion:	142	Resp:	70980
Ion Ratio	Lower	Upper	
142	100		
141	89.2	71.0	106.6
115	31.4	28.3	42.5





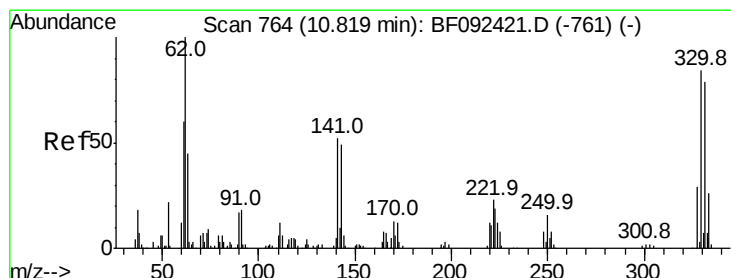
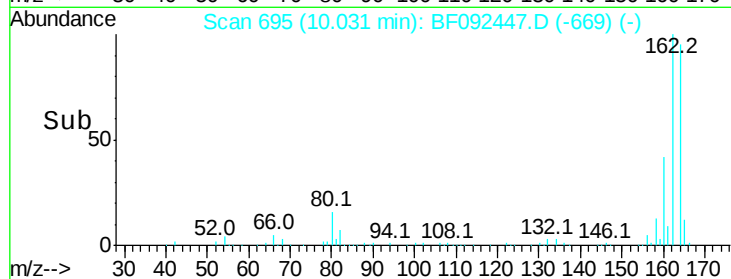
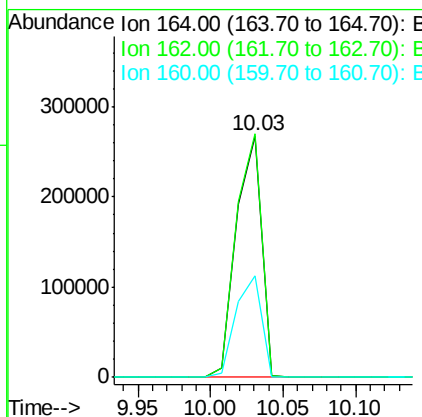
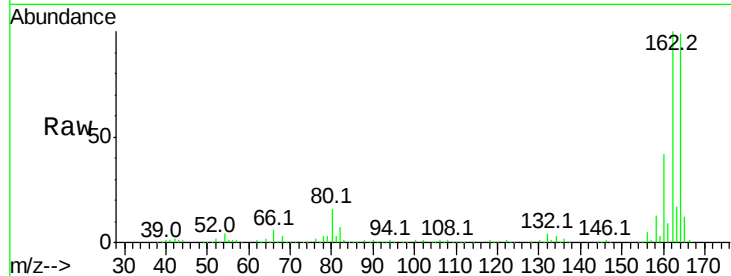
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092447.D
Acq: 24 Jan 2017 23:41

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.2	120.2
160	42.2	36.9	55.3

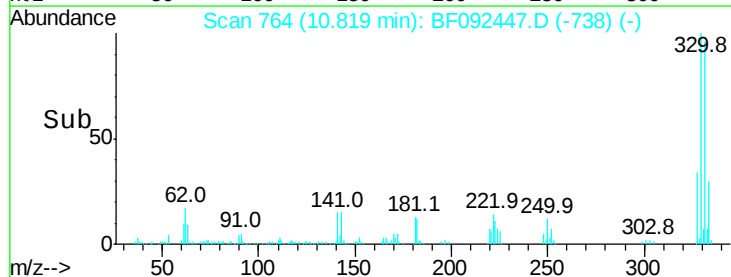
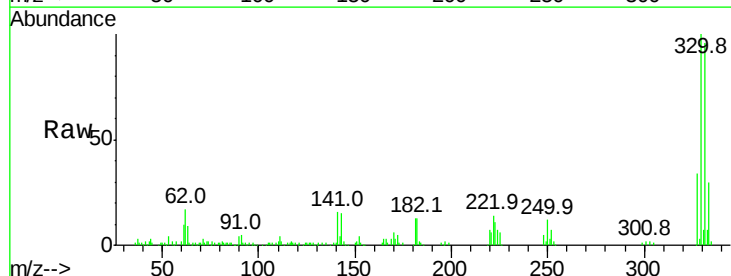
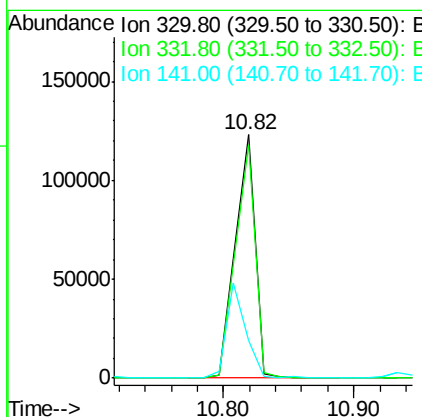
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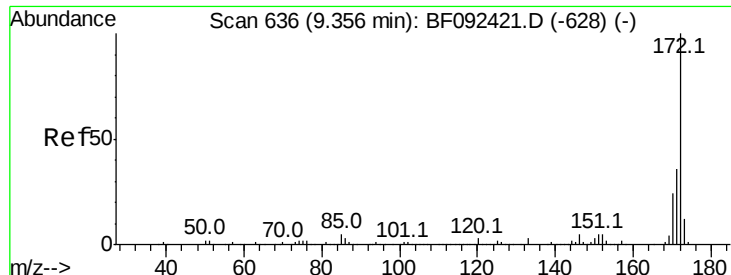
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#41
2,4,6-Tribromophenol
Concen: 58.73 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF092447.D
Acq: 24 Jan 2017 23:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.4	116.2
141	38.8	34.1	51.1





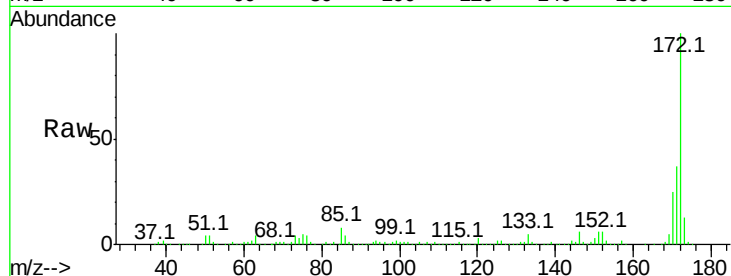
#44
 2-Fluorobiphenyl
 Concen: 77.64 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092447.D
 Acq: 24 Jan 2017 23:41

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-001-A

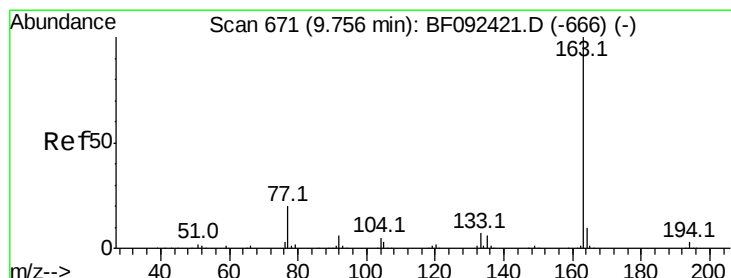
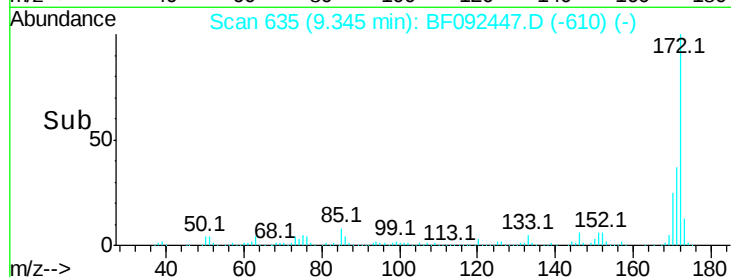
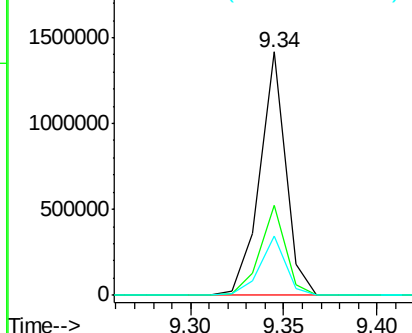
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.6	20.2	30.4

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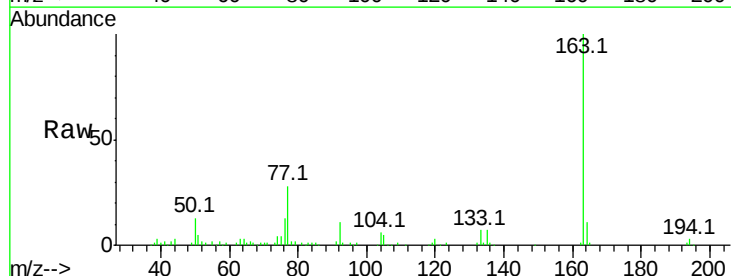


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

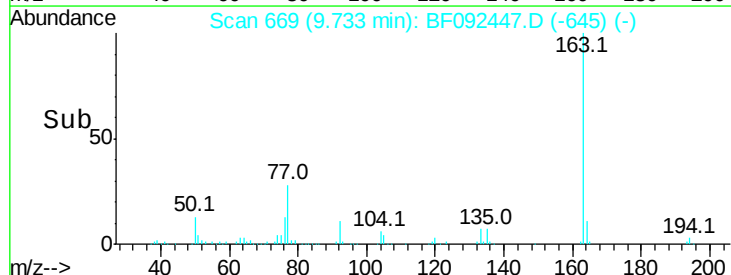
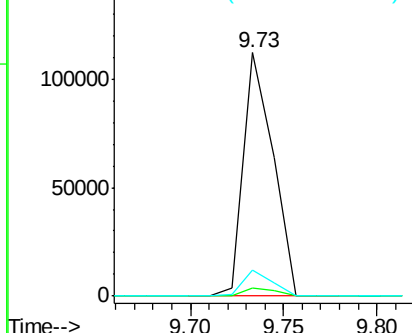


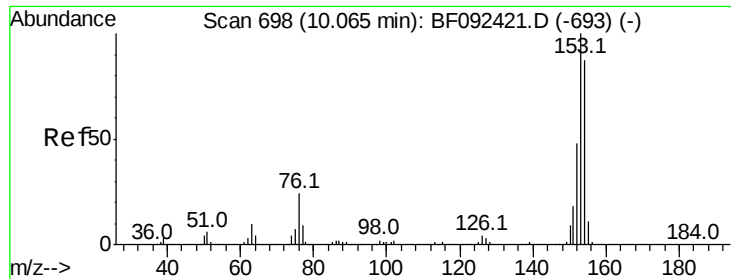
#49
 Dimethylphthalate
 Concen: 6.01 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.02 min
 Lab File: BF092447.D
 Acq: 24 Jan 2017 23:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.0	4.4
164	10.6	8.0	12.0



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





#51

Acenaphthene

Concen: 7.17 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Instrument :

BNA_F

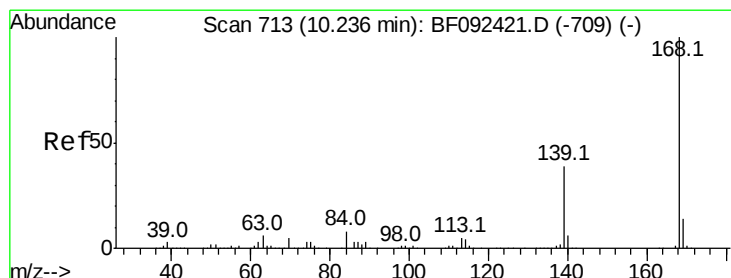
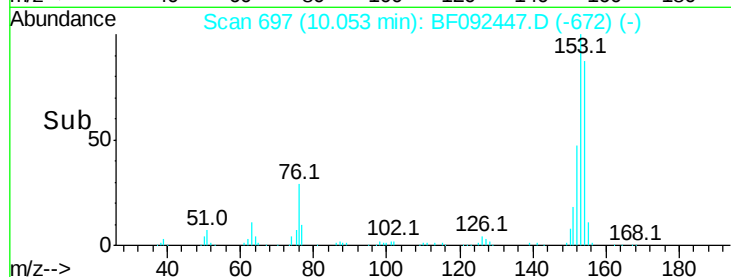
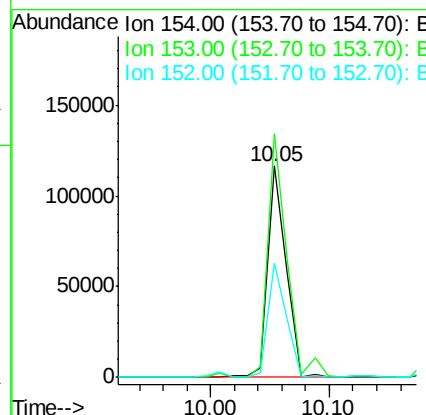
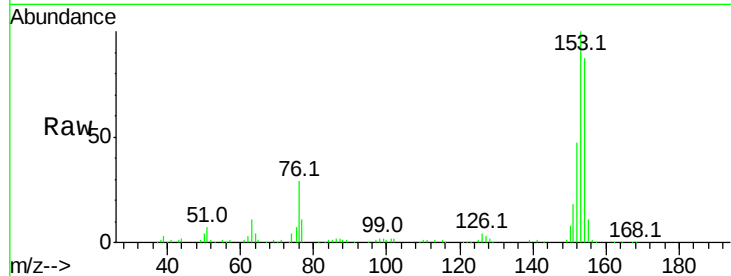
ClientSampleId :

FK-SF-01-001-A

Tot Ion:154	Resp:	125048
Ion Ratio	Lower	Upper
154	100	
153	115.3	88.6 133.0
152	54.2	41.6 62.4

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#54

Dibenzofuran

Concen: 5.81 ng

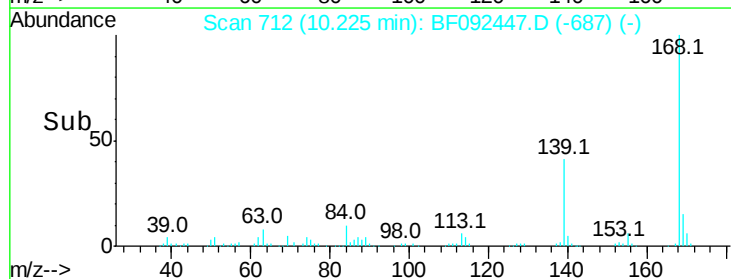
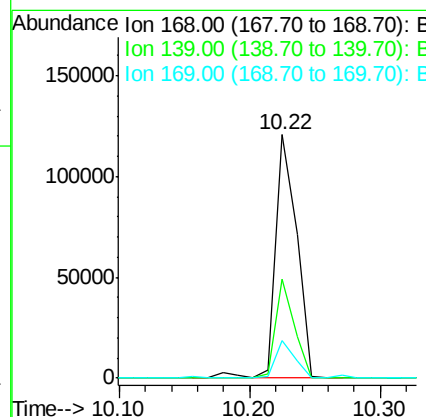
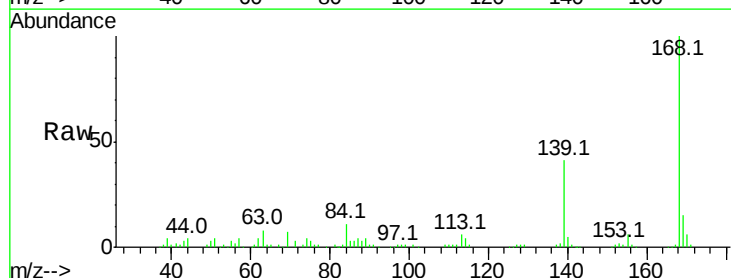
RT: 10.22 min Scan# 712

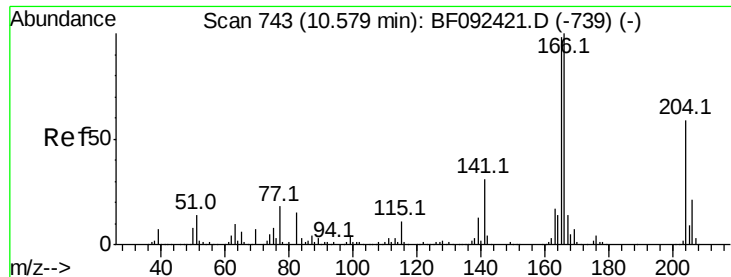
Delta R.T. -0.01 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Tgt Ion:168	Resp:	137630
Ion Ratio	Lower	Upper
168	100	
139	40.6	32.6 49.0
169	15.4	11.3 16.9





#57

Fluorene

Concen: 7.25 ng

RT: 10.58 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Instrument :

BNA_F

ClientSampled :

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Tot Ion:166 Resp: 127259

Ion Ratio Lower Upper

166 100

165 99.7 77.8 116.8

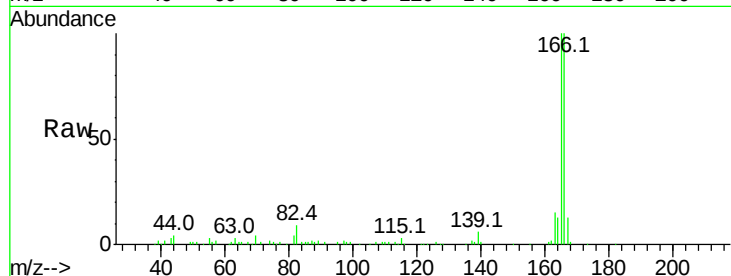
167 12.9 10.8 16.2

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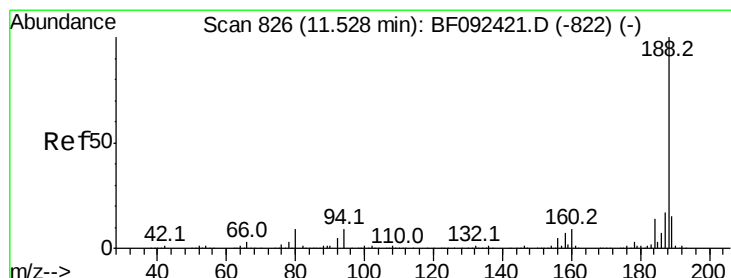
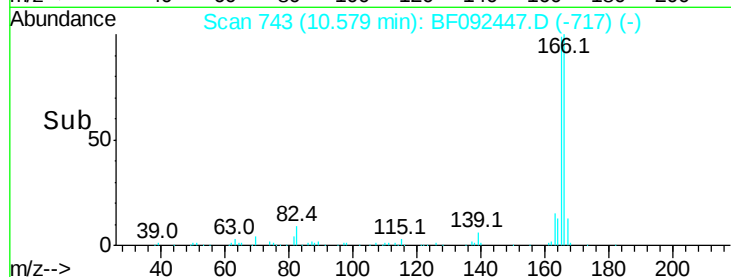
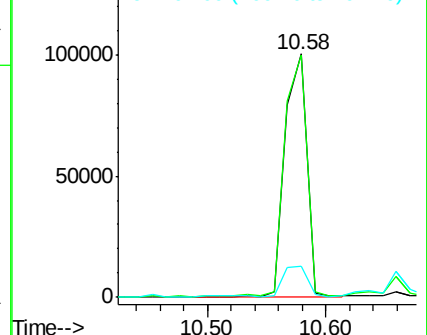
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

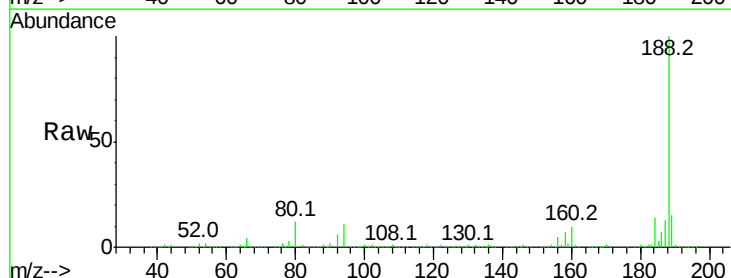
Tgt Ion:188 Resp: 502686

Ion Ratio Lower Upper

188 100

94 11.4 10.0 15.0

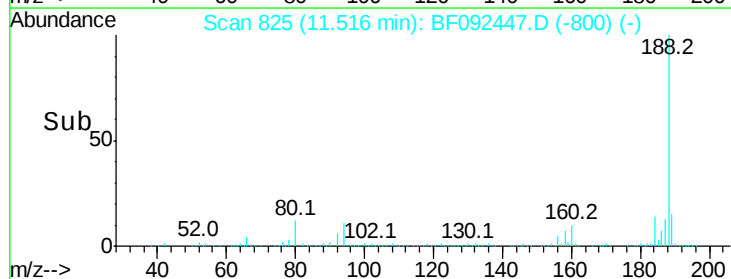
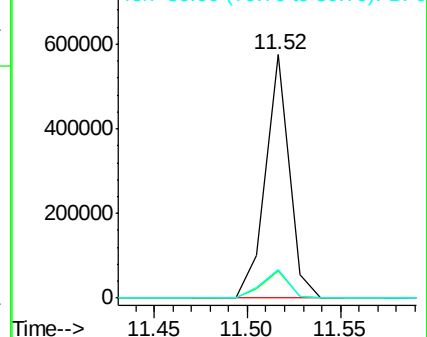
80 12.0 11.2 16.8

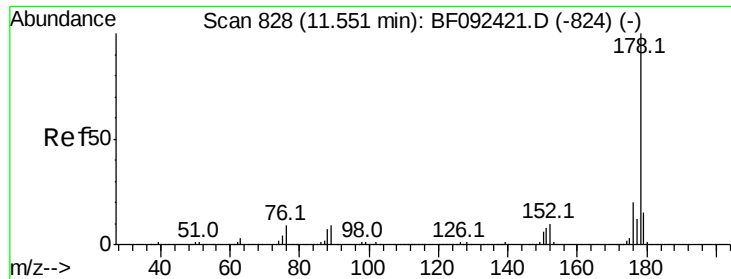


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





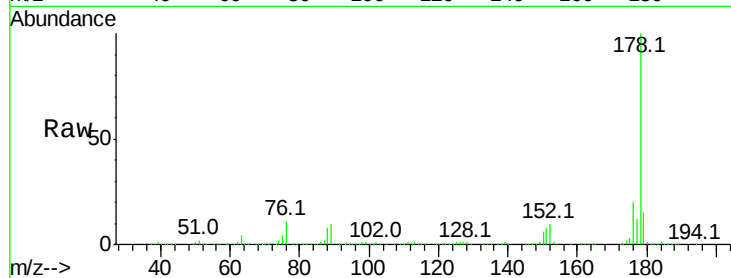
#70
Phenanthrene
Concen: 25.57 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF092447.D
Acq: 24 Jan 2017 23:41

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-A

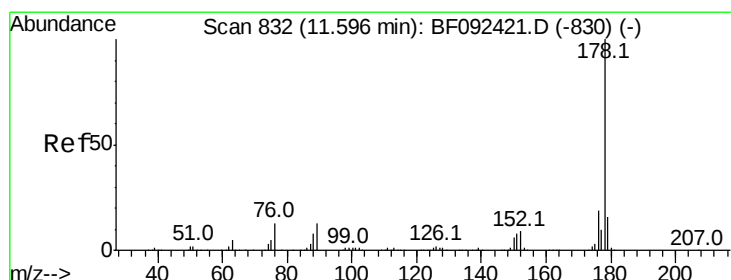
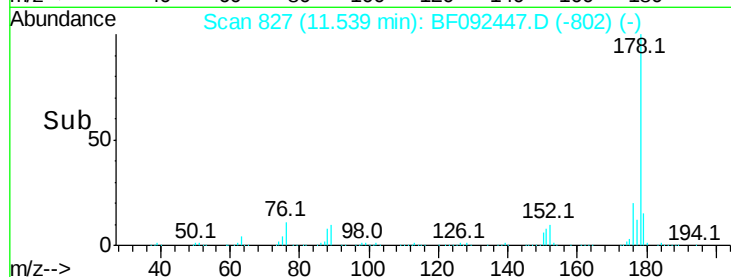
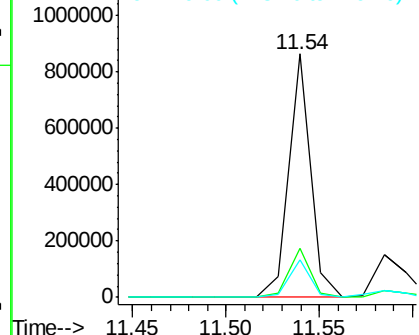
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.6	25.0
179	15.5	12.8	19.2

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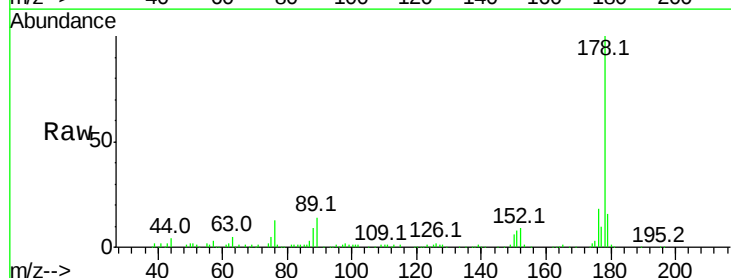


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

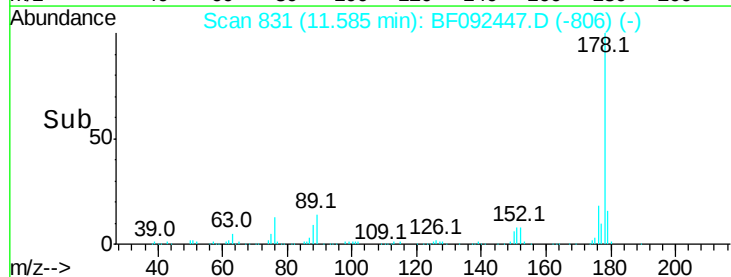
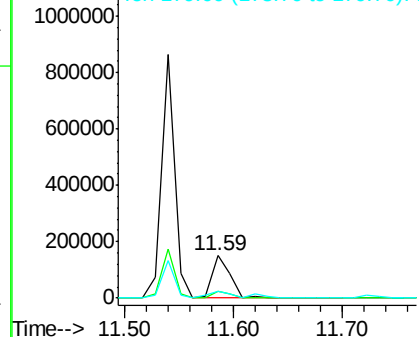


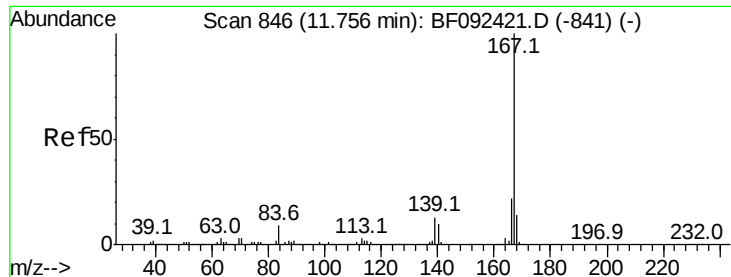
#71
Anthracene
Concen: 6.54 ng
RT: 11.59 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF092447.D
Acq: 24 Jan 2017 23:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.9	23.9
179	15.8	13.2	19.8



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





#72

Carbazole

Concen: 2.88 ng

RT: 11.75 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Instrument :

BNA_F

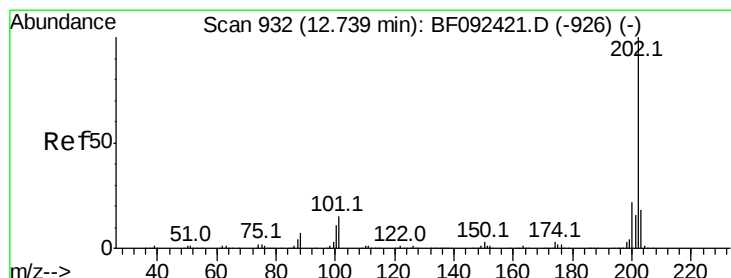
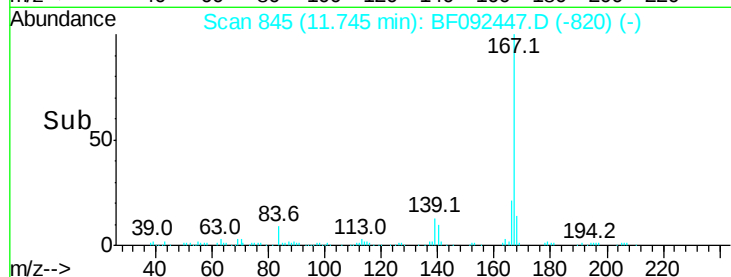
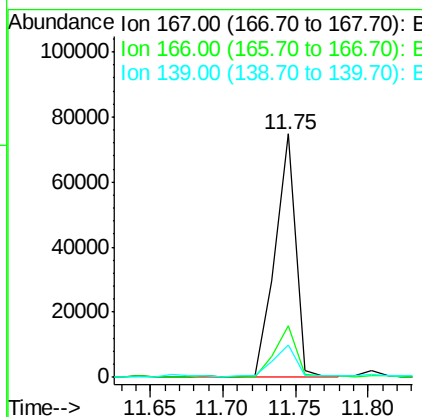
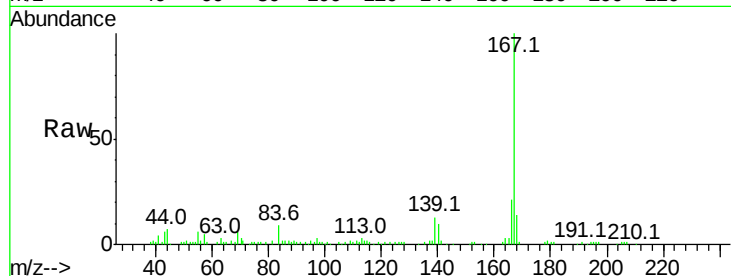
ClientSampleId :

FK-SF-01-001-A

Tot Ion:	167	Resp:	74436
Ion Ratio	Lower	Upper	
167	100		
166	21.4	18.2	27.2
139	13.2	11.4	17.2

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#74

Fluoranthene

Concen: 18.83 ng

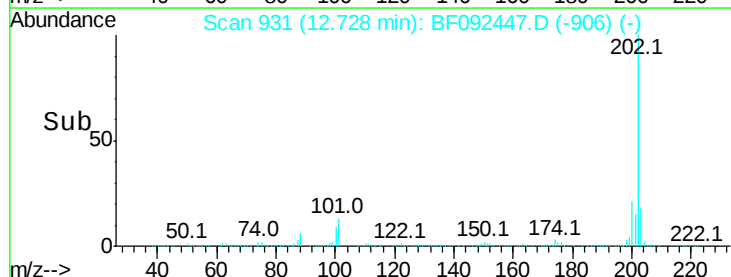
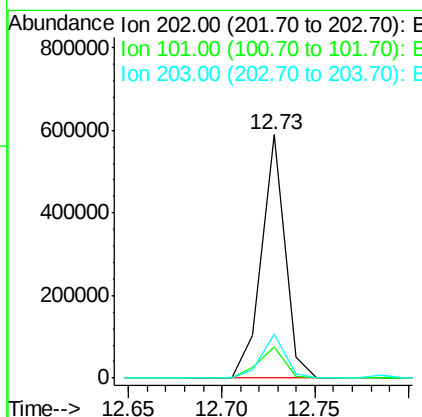
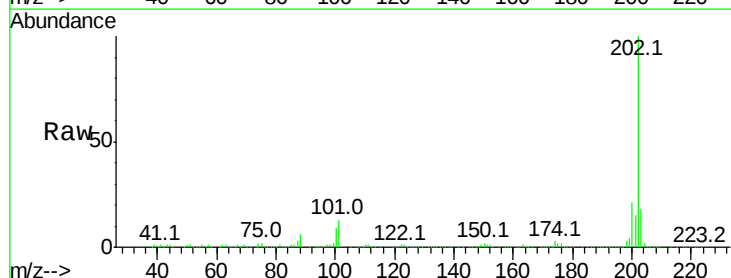
RT: 12.73 min Scan# 931

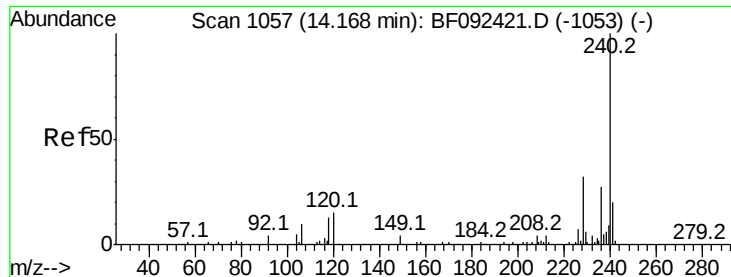
Delta R.T. -0.01 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Tgt Ion:	202	Resp:	509954
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	34.6
203	17.9	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.16 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Instrument :

BNA_F

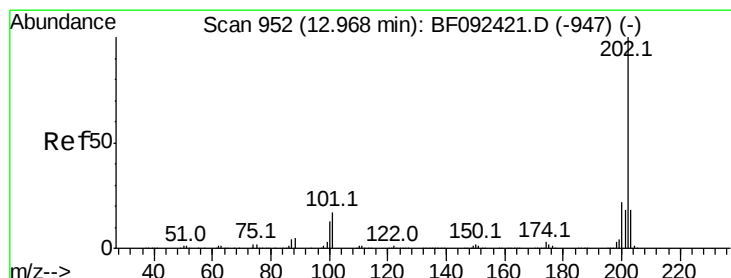
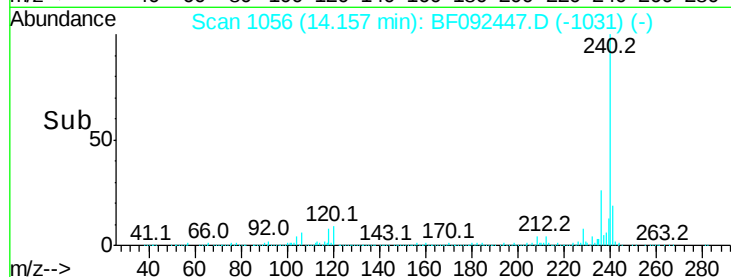
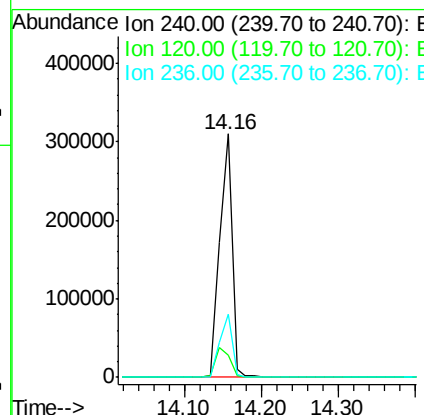
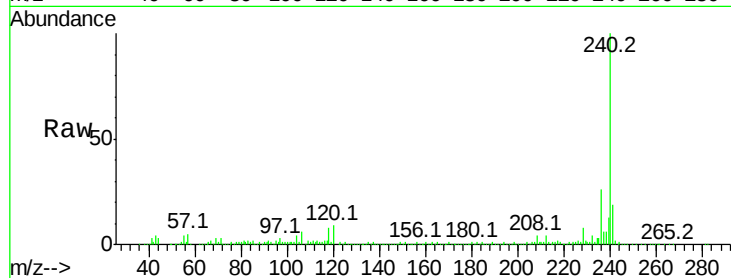
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	9.3	12.9	19.3#	
236	25.9	20.9	31.3	

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#77

Pyrene

Concen: 17.03 ng

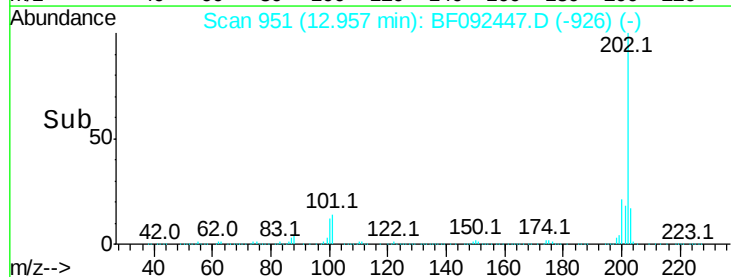
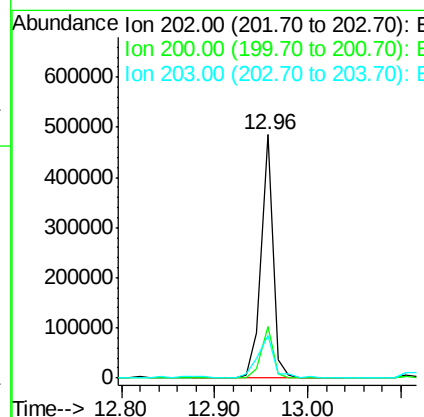
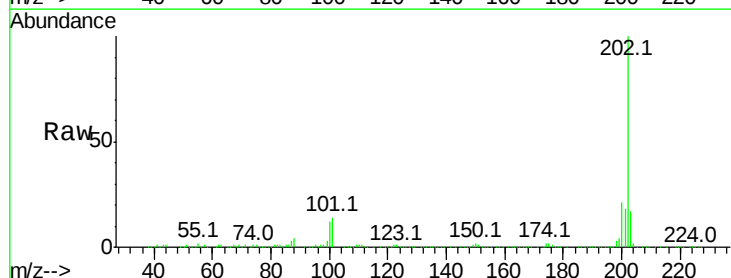
RT: 12.96 min Scan# 951

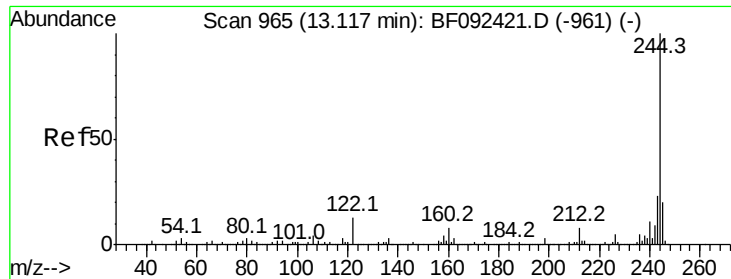
Delta R.T. -0.01 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.1	17.7	26.5	
203	17.4	14.7	22.1	





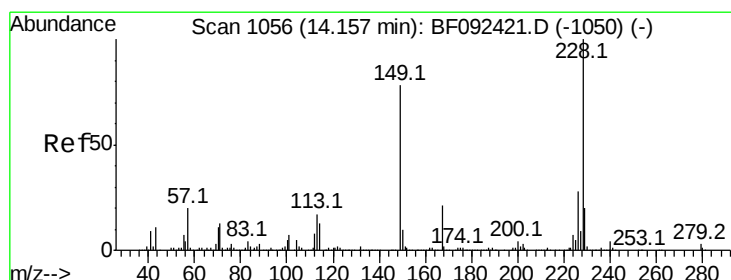
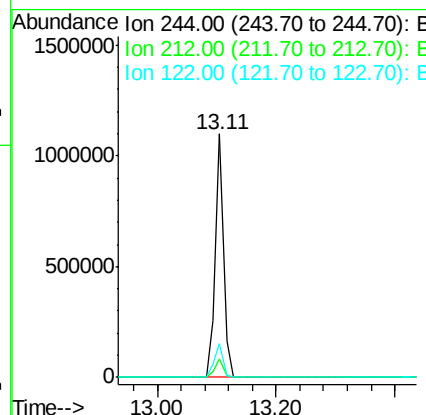
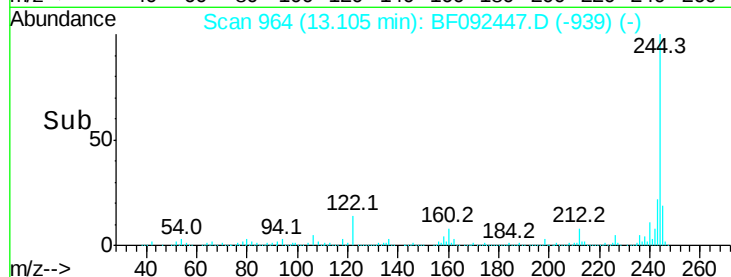
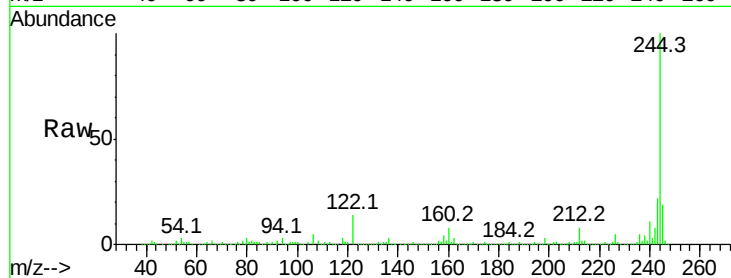
#78
 Terphenyl-d14
 Concen: 80.94 ng
 RT: 13.11 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: BF092447.D
 Acq: 24 Jan 2017 23:41

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-001-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	13.6	11.4	17.2

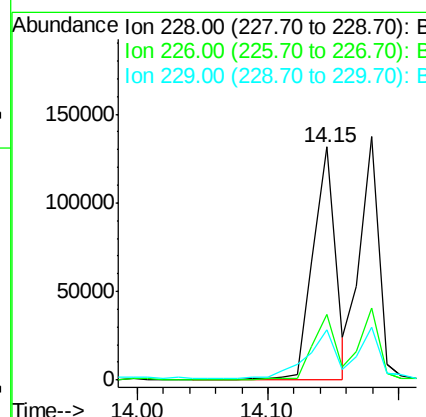
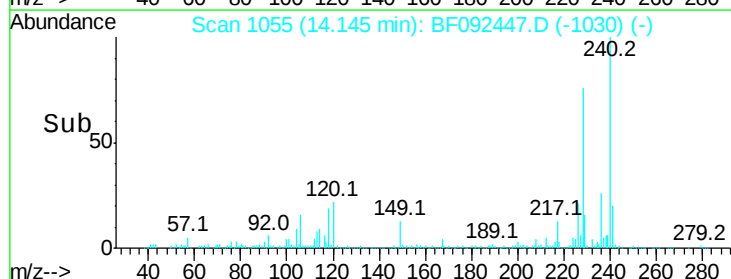
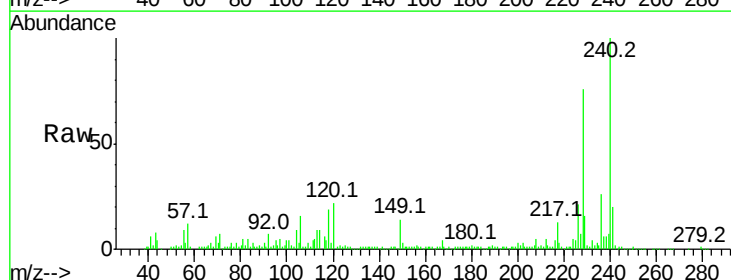
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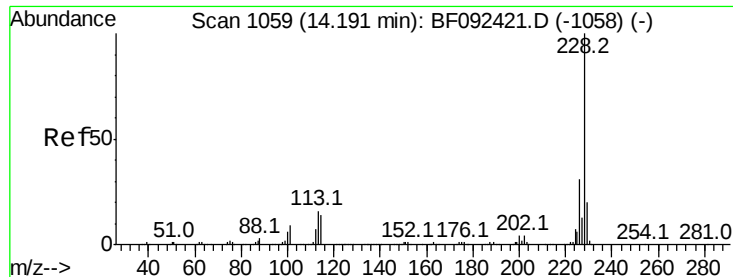
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#80
 Benzo(a)anthracene
 Concen: 8.33 ng
 RT: 14.15 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BF092447.D
 Acq: 24 Jan 2017 23:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.4	33.6
229	21.4	16.2	24.4





#82

Chrysene

Concen: 6.98 ng/mL

RT: 14.18 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Instrument :

BNA_F

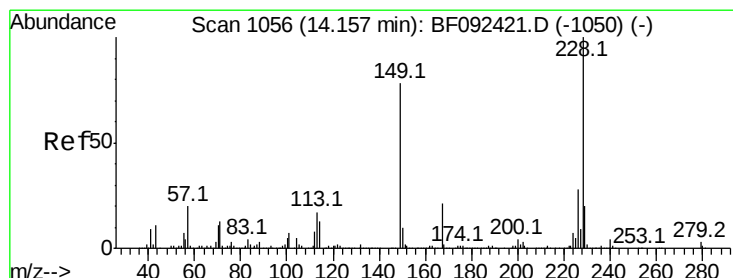
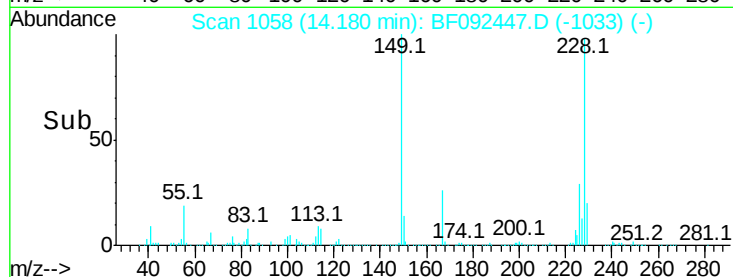
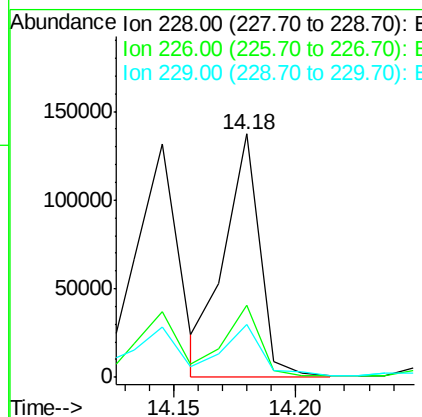
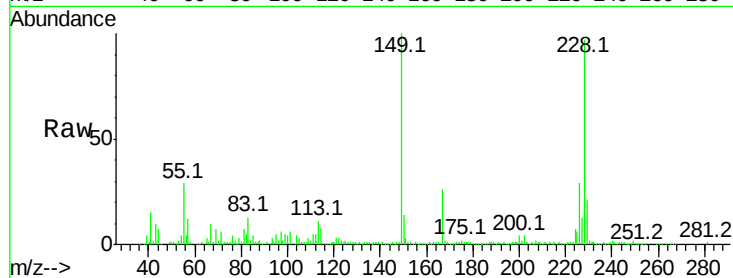
ClientSampleId :

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Tot Ion:	228	Resp:	138896
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.4	38.0
229	21.8	16.2	24.2

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.24 ng/mL

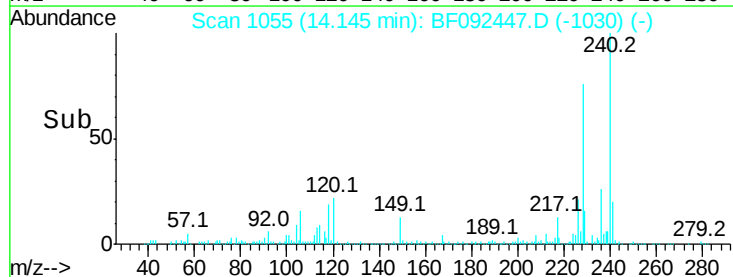
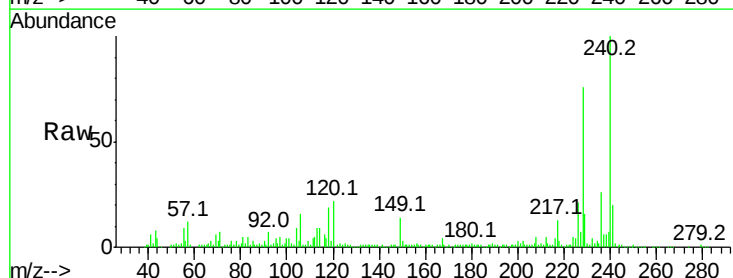
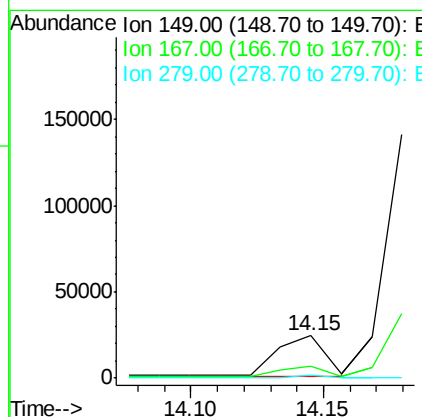
RT: 14.15 min Scan# 1055

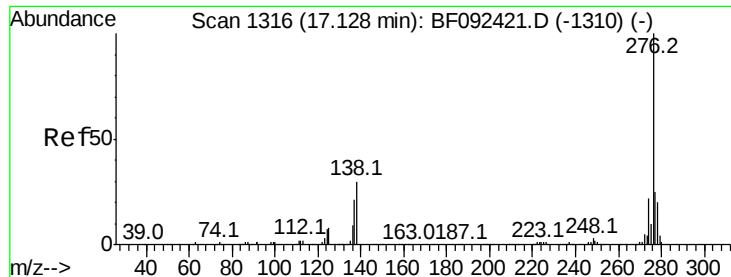
Delta R.T. -0.01 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Tgt Ion:	149	Resp:	28666
Ion Ratio	Lower	Upper	
149	100		
167	28.2	20.2	30.4
279	5.7	1.8	2.8#





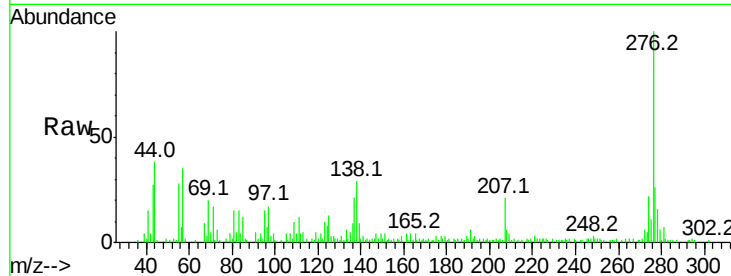
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.35 ng
RT: 17.11 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF092447.D
Acq: 24 Jan 2017 23:41

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-001-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.6	21.8	32.6
277	28.8	20.2	30.4

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Abundance

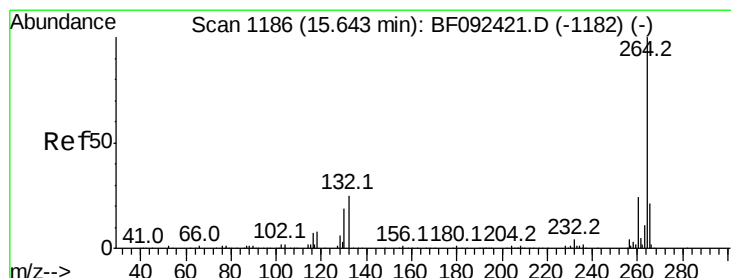
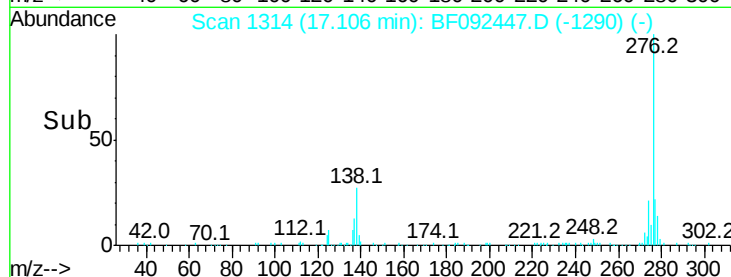
Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

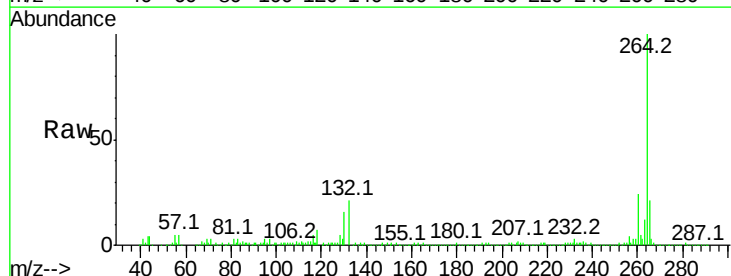
17.11

Time-->



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092447.D
Acq: 24 Jan 2017 23:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.2	17.4	26.0



Abundance

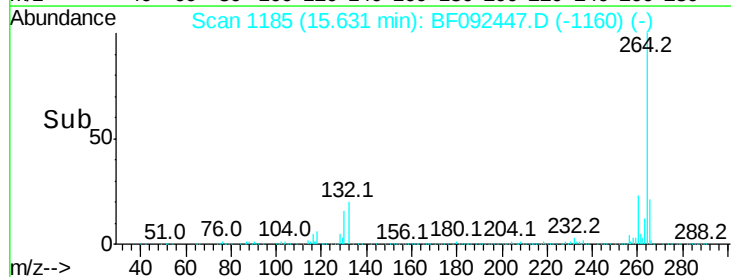
Ion 264.00 (263.70 to 264.70): E

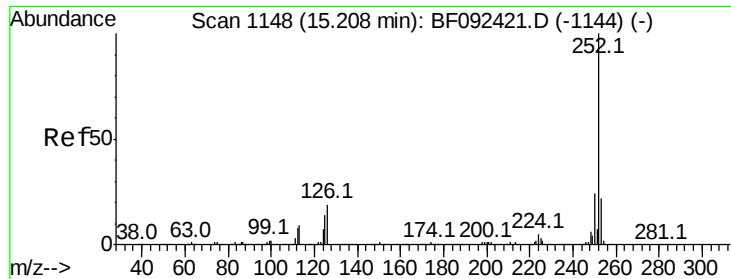
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

15.63

Time-->





#87

Benzo(b)fluoranthene

Concen: 7.00 ng m

RT: 15.20 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Instrument :

BNA_F

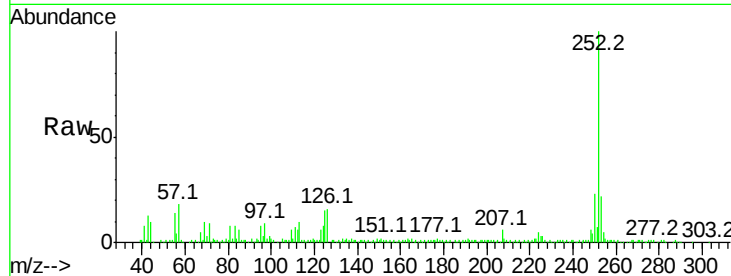
ClientSampleId :

FK-SF-01-001-A

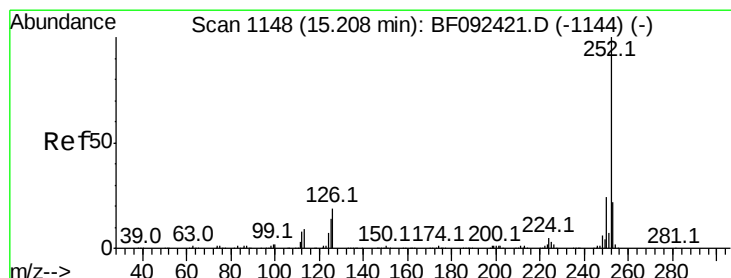
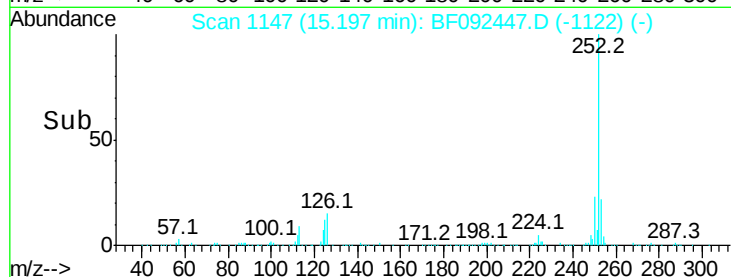
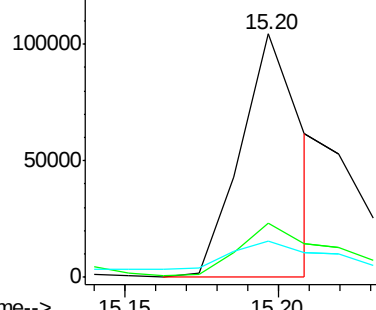
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	14.7	9.8	14.6

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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



#88

Benzo(k)fluoranthene

Concen: 3.45 ng m

RT: 15.21 min Scan# 1148

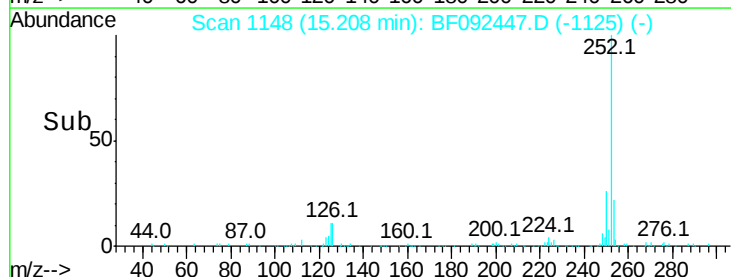
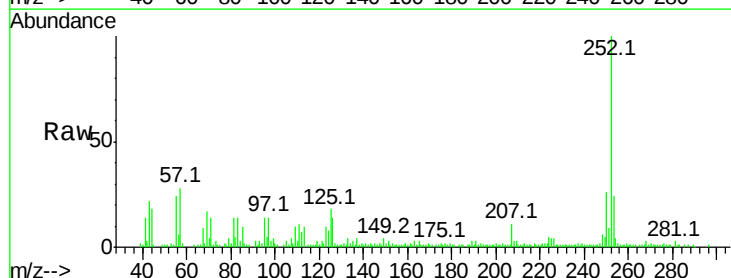
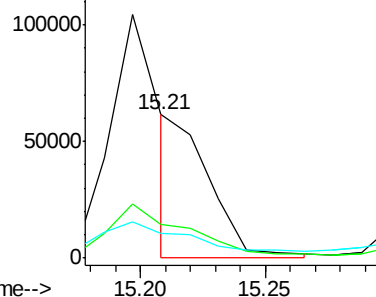
Delta R.T. -0.03 min

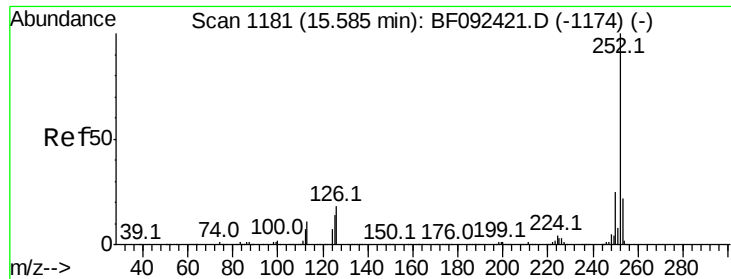
Lab File: BF092447.D

Acq: 24 Jan 2017 23:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.5	27.7
125	17.5	8.9	13.3

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





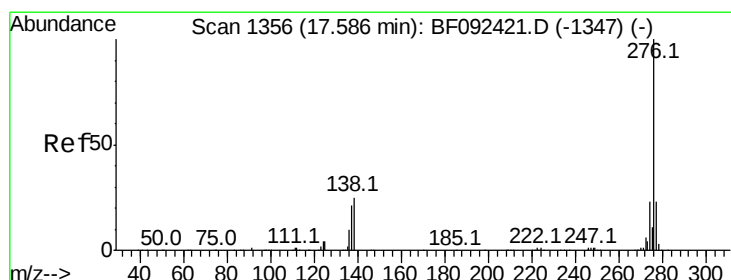
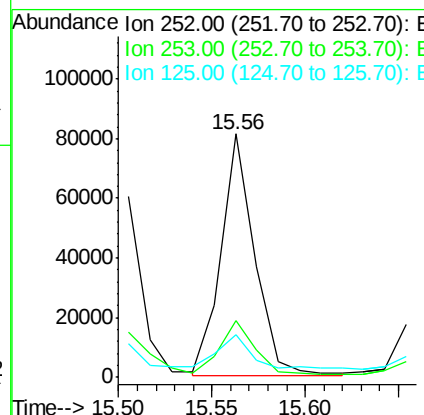
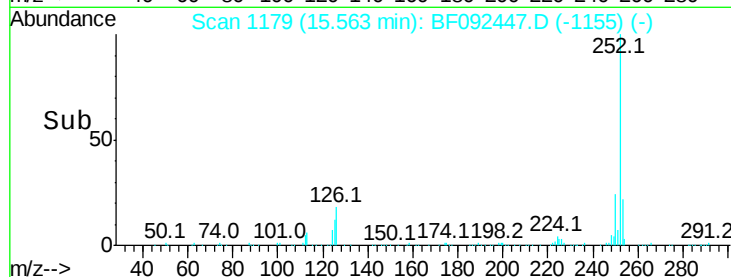
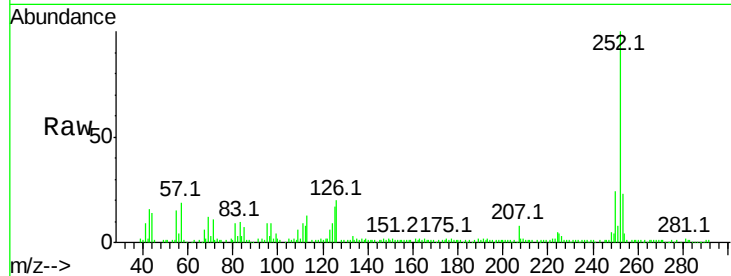
#89
Benzo(a)pyrene
Concen: 5.83 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BF092447.D
Acq: 24 Jan 2017 23:41

Instrument :
BNA_F
ClientSampled :
FK-SF-01-001-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	17.4	10.0	15.0#

Manual Integrations
APPROVED

mohammad
1/25/2017 3:49:59 PM



#91
Benzo(g,h,i)perylene
Concen: 4.53 ng
RT: 17.55 min Scan# 1353
Delta R.T. -0.03 min
Lab File: BF092447.D
Acq: 24 Jan 2017 23:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.2	28.8
138	31.4	16.0	24.0#

