

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092435.D
 Acq On : 24 Jan 2017 18:10
 Operator : UM/SJ
 Sample : I1329-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLACK-FILL2-0-5FT-COMP

Manual Integrations
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 1/25/2017 3:49:47 PM

Quant Time: Jan 24 18:56:46 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	167678	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	661849	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	347230	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	523697	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	382660	20.00	ng	-0.01
86) Perylene-d12	15.63	264	336831	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	863171	80.09	ng	0.01
7) Phenol-d6	6.59	99	1321545	96.27	ng	0.00
23) Nitrobenzene-d5	7.53	82	667401	55.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	189493	80.08	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	969144	51.61	ng	-0.01
78) Terphenyl-d14	13.11	244	671215	46.71	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.60	94	41082	2.48	ng	# 63
31) Naphthalene	8.28	128	253243	7.48	ng	98
37) 2-Methylnaphthalene	8.98	142	53495	2.49	ng	92
49) Dimethylphthalate	9.74	163	267920	12.13	ng	98
51) Acenaphthene	10.05	154	54699	2.93	ng	97
54) Dibenzofuran	10.22	168	77500	3.05	ng	97
57) Fluorene	10.58	166	76501	4.07	ng	100
70) Phenanthrene	11.54	178	567372	19.67	ng	99
71) Anthracene	11.60	178	121923	4.33	ng	96
74) Fluoranthene	12.73	202	609135	21.59	ng	97
77) Pyrene	12.96	202	546729	19.72	ng	99
80) Benzo(a)anthracene	14.15	228	195804m	9.52	ng	
82) Chrysene	14.18	228	189796m	8.64	ng	
85) Indeno(1,2,3-cd)pyrene	17.11	276	96896	5.96	ng	99
87) Benzo(b)fluoranthene	15.20	252	174985m	8.09	ng	
88) Benzo(k)fluoranthene	15.21	252	81607m	4.54	ng	
89) Benzo(a)pyrene	15.56	252	152295	8.33	ng	97
91) Benzo(g,h,i)perylene	17.55	276	99033	6.62	ng	# 92

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

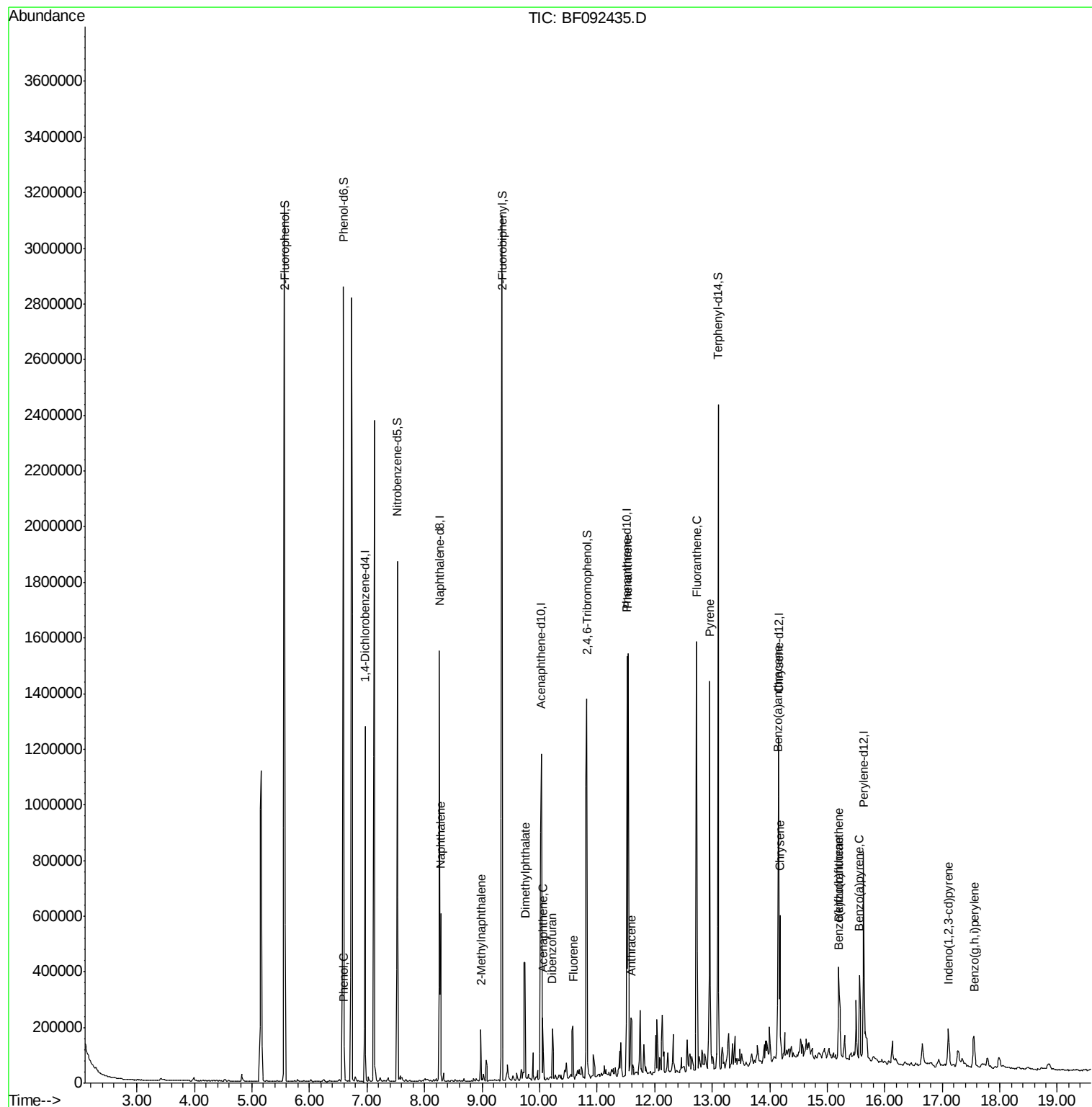
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
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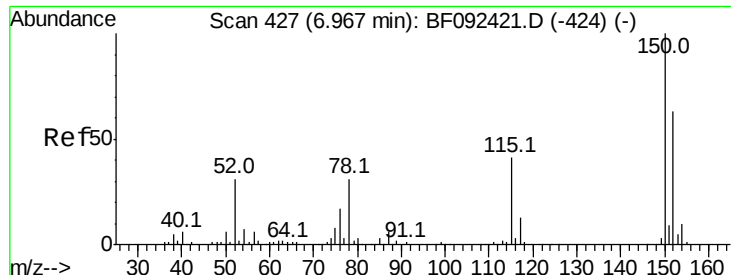
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

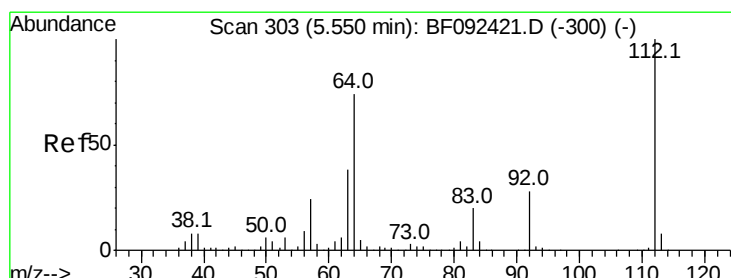
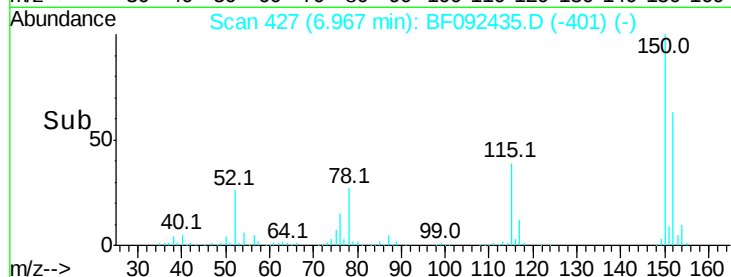
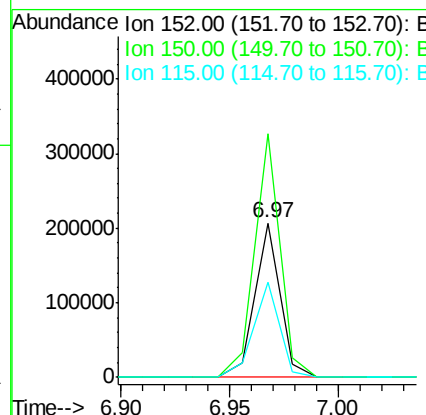
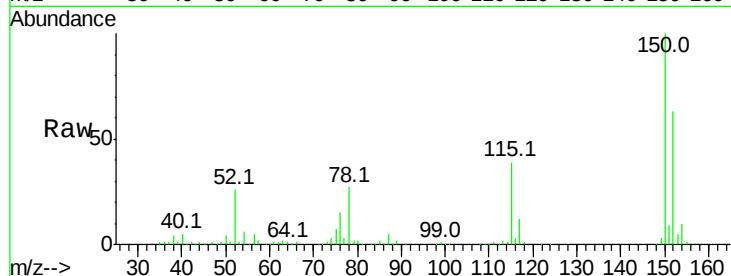
ClientSampleId :

BLACK-FILL2-0-5FT-COMP

Tot Ion:	152	Resp:	167678
Ion Ratio	Lower	Upper	
152	100		
150	158.0	124.9	187.3
115	61.7	46.0	69.0

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#5

2-Fluorophenol

Concen: 80.09 ng

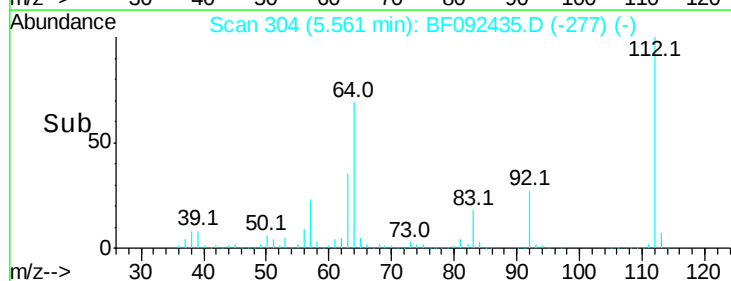
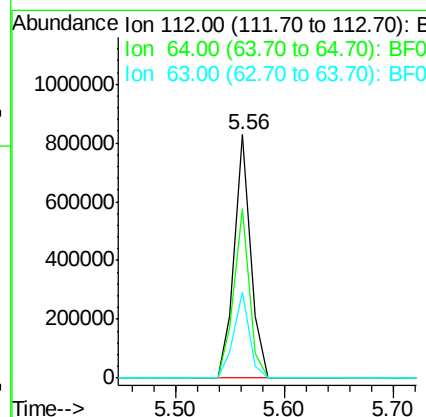
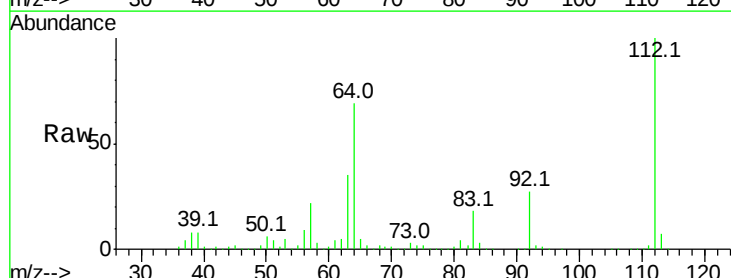
RT: 5.56 min Scan# 304

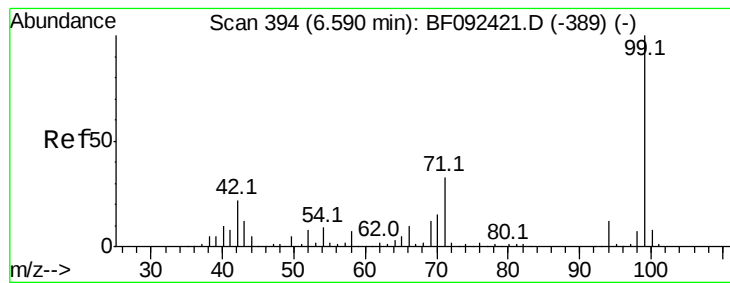
Delta R.T. 0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Tgt Ion:	112	Resp:	863171
Ion Ratio	Lower	Upper	
112	100		
64	69.4	46.1	69.1#
63	35.2	23.8	35.6





#7

Phenol-d6

Concen: 96.27 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

Tot Ion: 99 Resp: 1321545

Ion Ratio Lower Upper

99 100

42 17.8 15.6 23.4

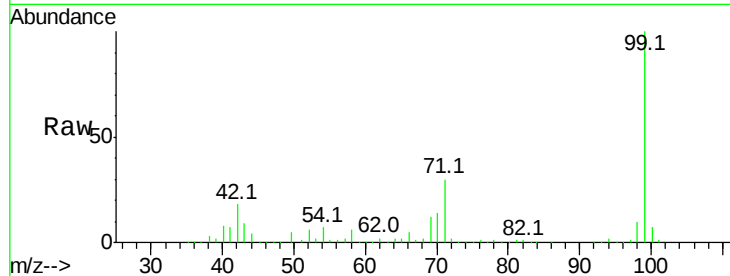
71 30.3 27.5 41.3

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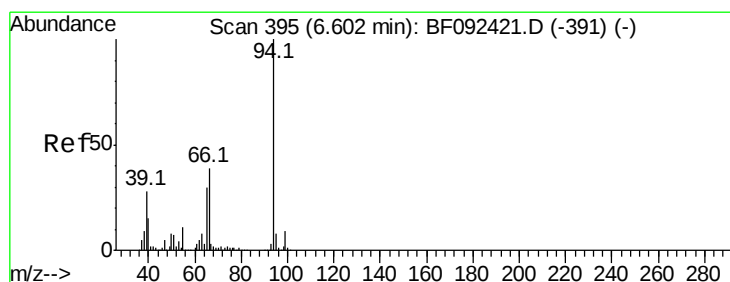
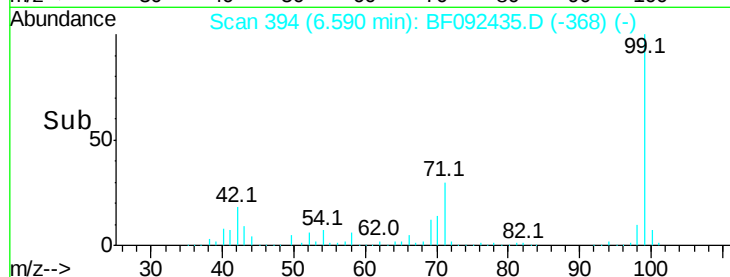
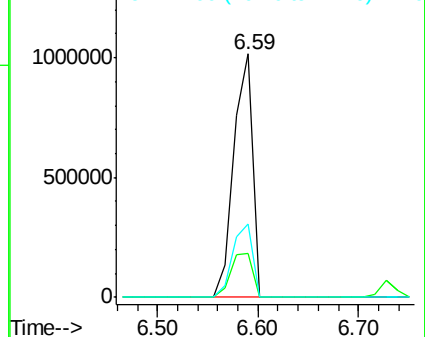
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.48 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

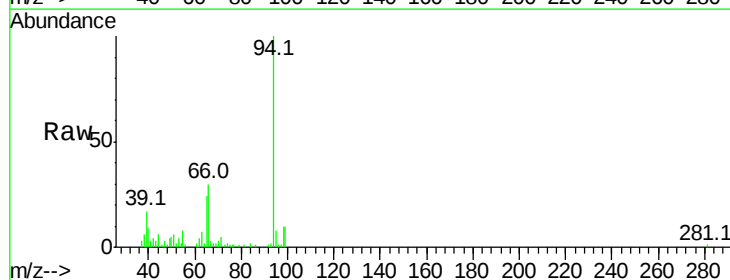
Tgt Ion: 94 Resp: 41082

Ion Ratio Lower Upper

94 100

65 24.0 21.4 61.4

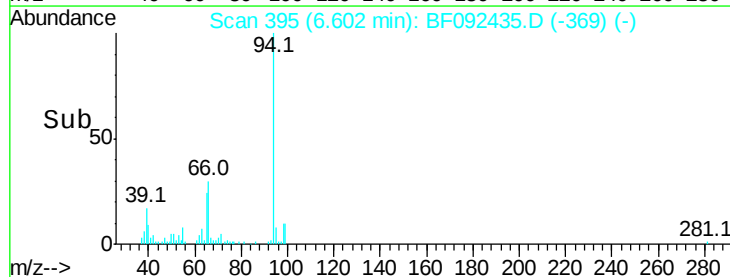
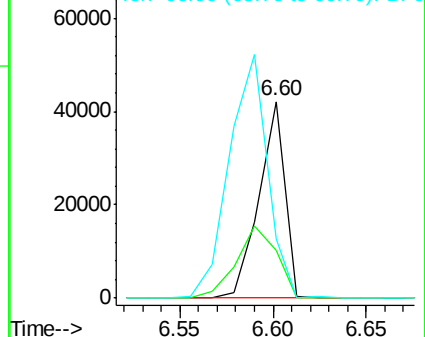
66 30.0 44.0 84.0#

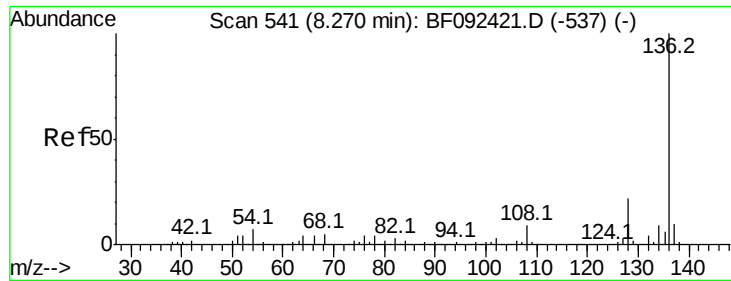


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





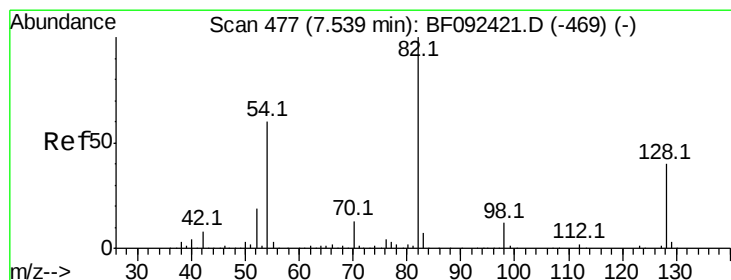
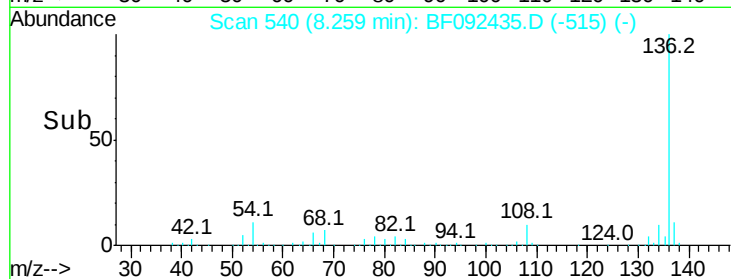
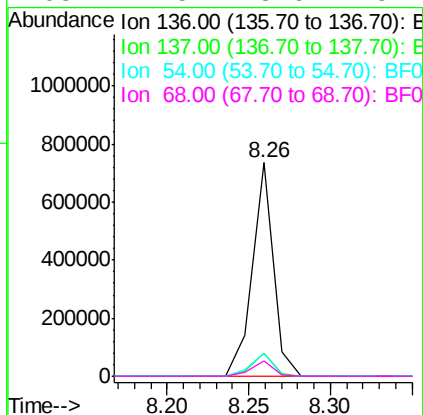
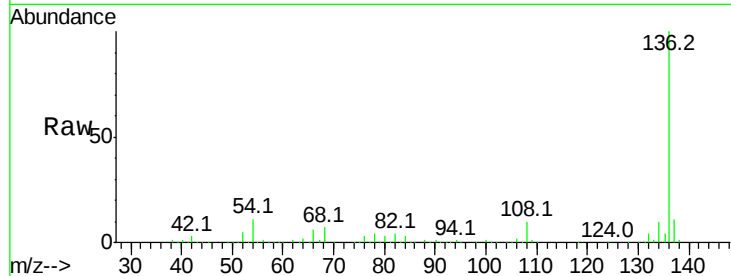
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	661849		
137	11.0	8.4	12.6	
54	11.0	4.5	6.7#	
68	7.5	3.6	5.4#	

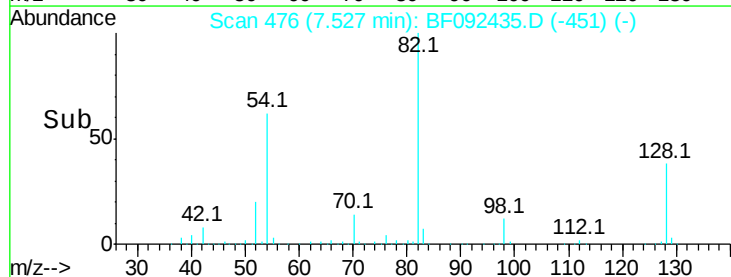
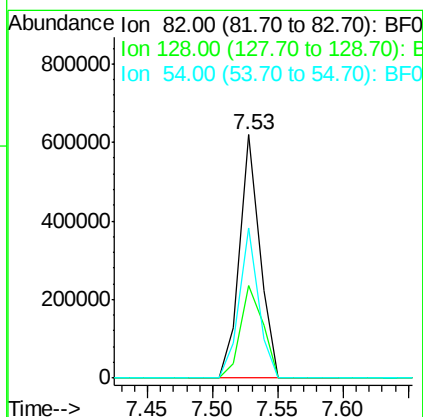
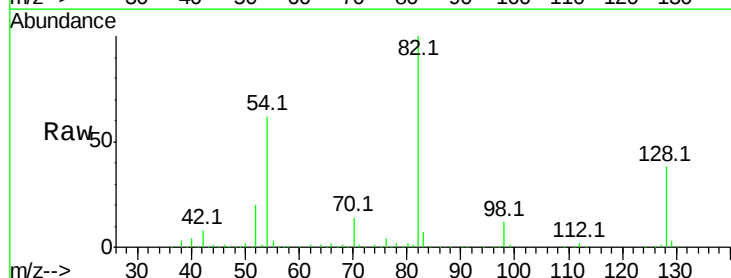
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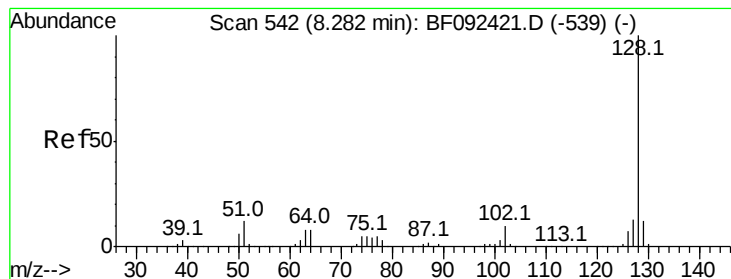
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#23
Nitrobenzene-d5
Concen: 55.08 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	667401		
128	38.0	34.6	52.0	
54	61.9	39.5	59.3#	





#31

Naphthalene

Concen: 7.48 ng

RT: 8.28 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

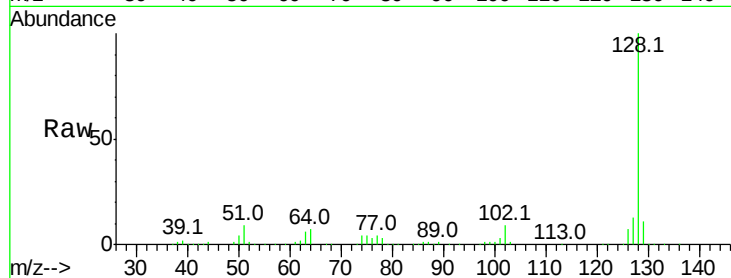
ClientSampleId :

BLACK-FILL2-0-5FT-COMP

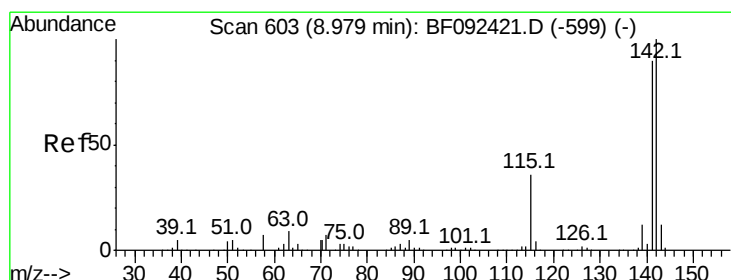
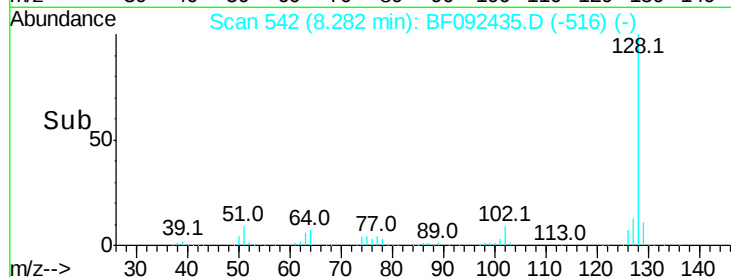
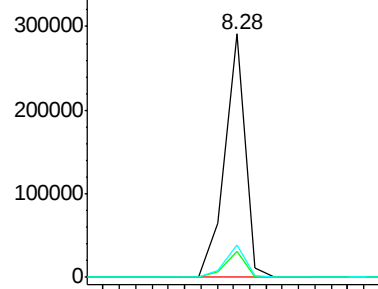
Tot Ion:	128	Resp:	253243
Ion Ratio	Lower	Upper	
128	100		
129	10.6	9.5	14.3
127	13.3	10.8	16.2

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.49 ng

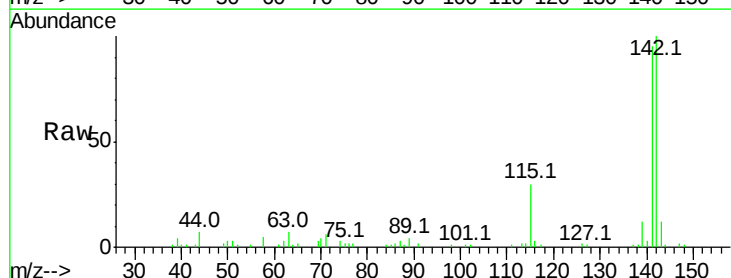
RT: 8.98 min Scan# 603

Delta R.T. 0.00 min

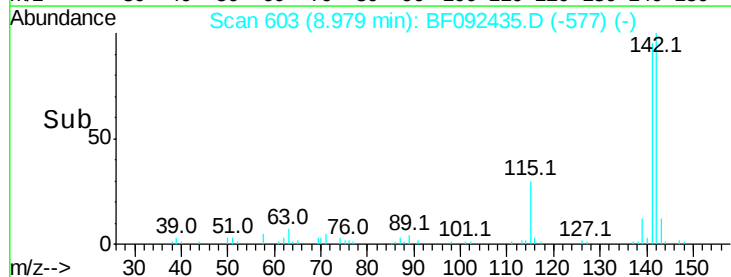
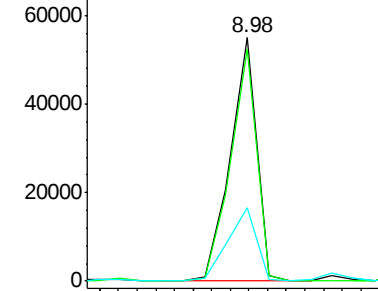
Lab File: BF092435.D

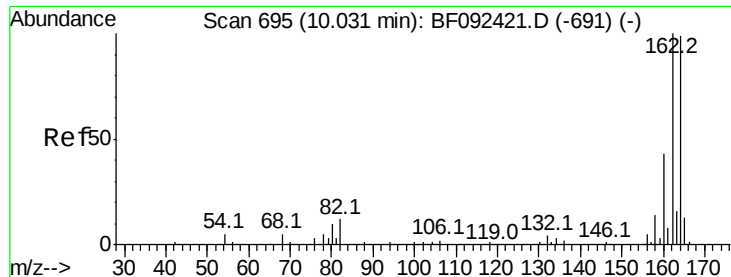
Acq: 24 Jan 2017 18:10

Tgt Ion:	142	Resp:	53495
Ion Ratio	Lower	Upper	
142	100		
141	95.4	71.0	106.6
115	30.2	28.3	42.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





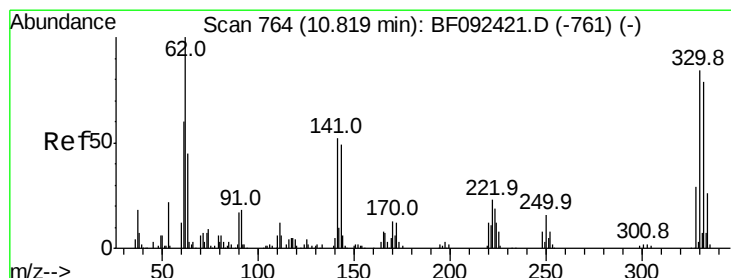
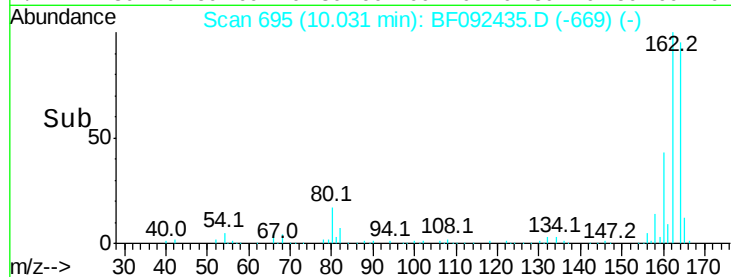
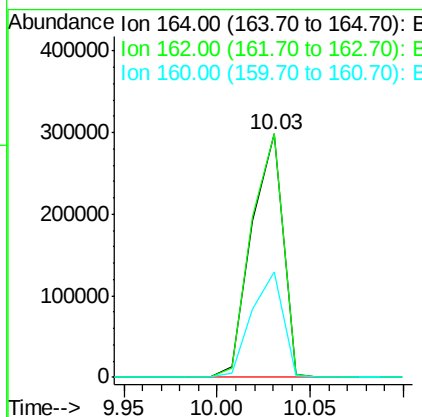
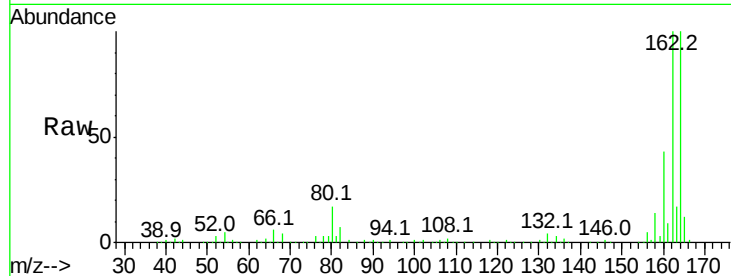
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	347230		
162	99.8	80.2	120.2	
160	43.1	36.9	55.3	

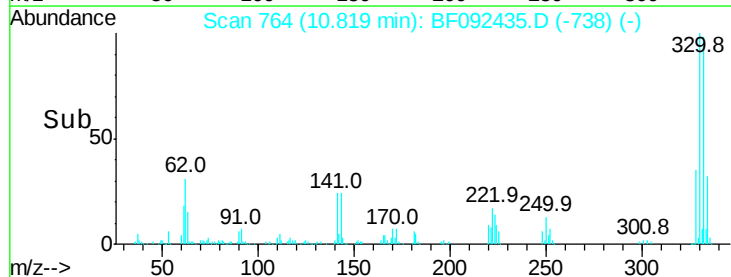
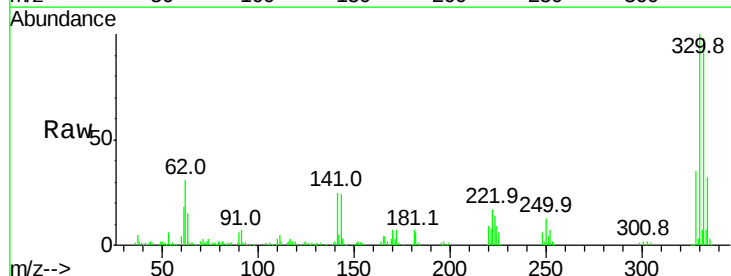
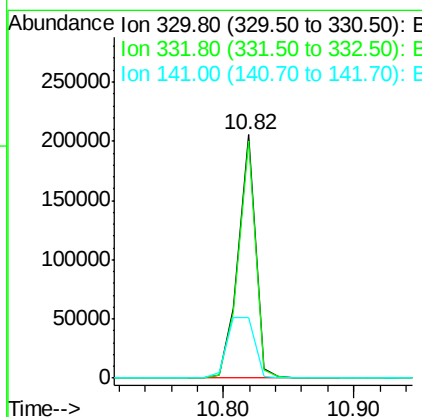
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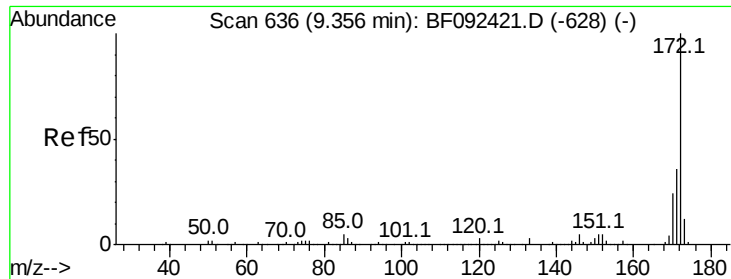
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#41
2,4,6-Tribromophenol
Concen: 80.08 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	189493		
332	97.0	77.4	116.2	
141	39.4	34.1	51.1	





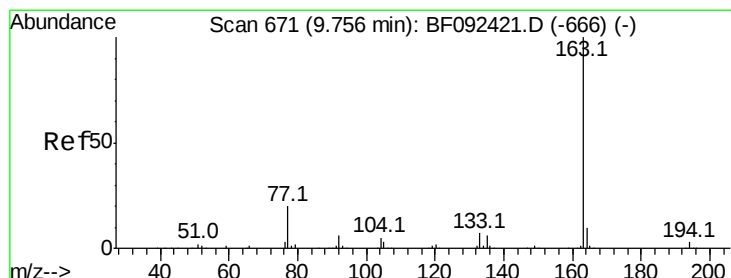
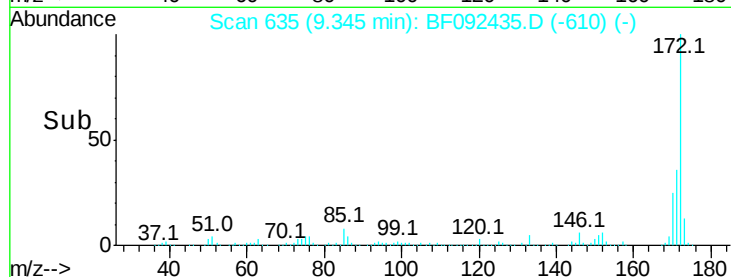
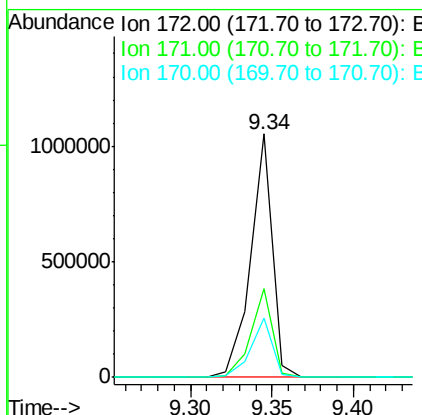
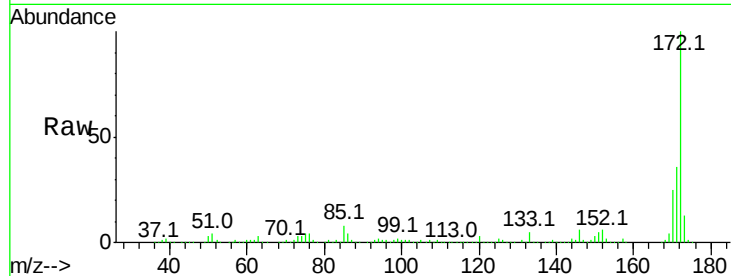
#44
2-Fluorobiphenyl
Concen: 51.61 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Instrument :
BNA_F
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BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	969144		
171	36.4		29.4	44.0
170	24.6		20.2	30.4

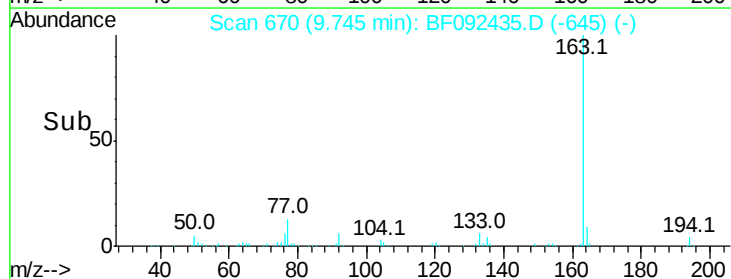
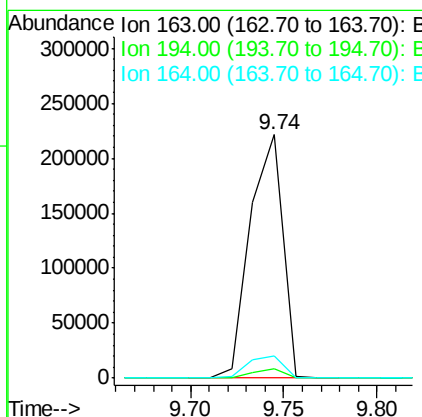
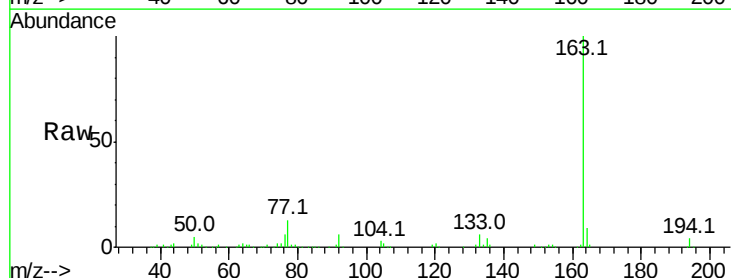
Manual Integrations
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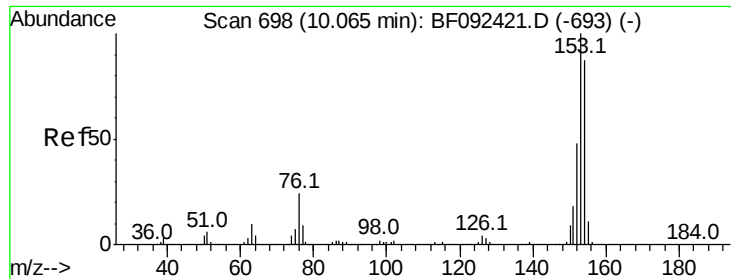
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#49
Dimethylphthalate
Concen: 12.13 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	267920		
194	4.0		3.0	4.4
164	9.3		8.0	12.0





#51

Acenaphthene

Concen: 2.93 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

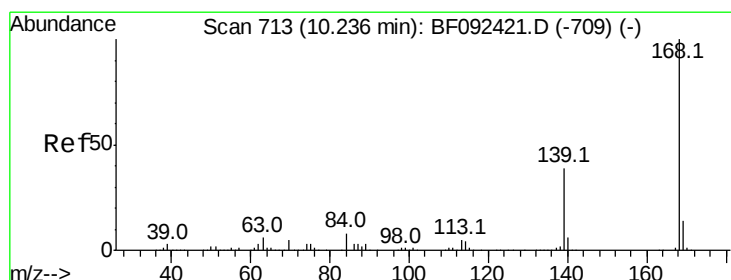
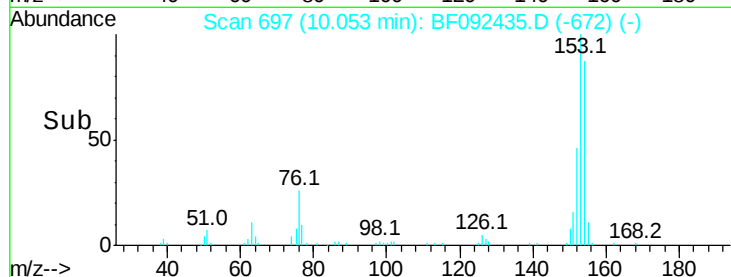
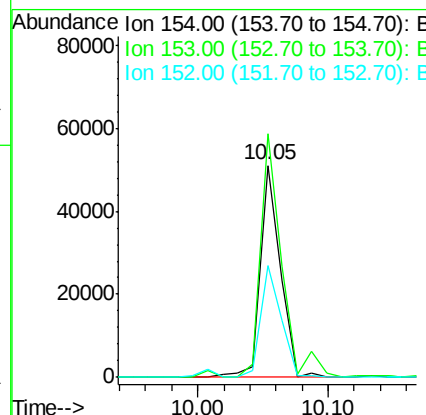
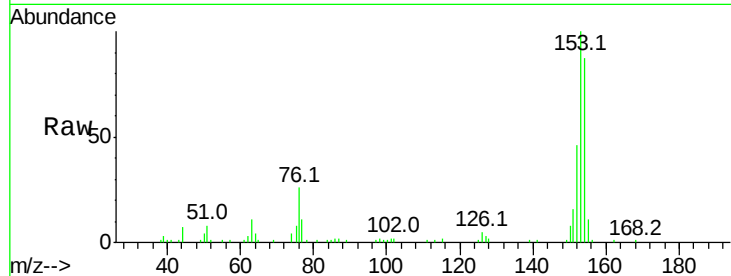
ClientSampleId :

BLACK-FILL2-0-5FT-COMP

Tot Ion:	154	Resp:	54699
Ion	Ratio	Lower	Upper
154	100		
153	115.0	88.6	133.0
152	52.6	41.6	62.4

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#54

Dibenzofuran

Concen: 3.05 ng

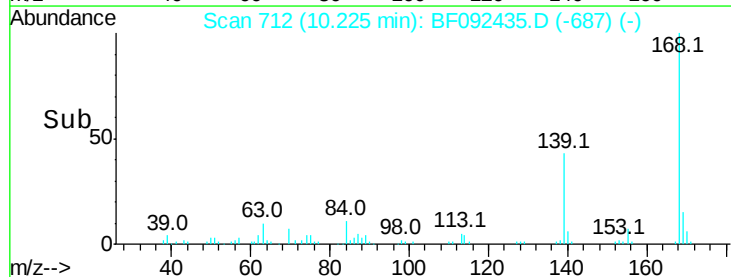
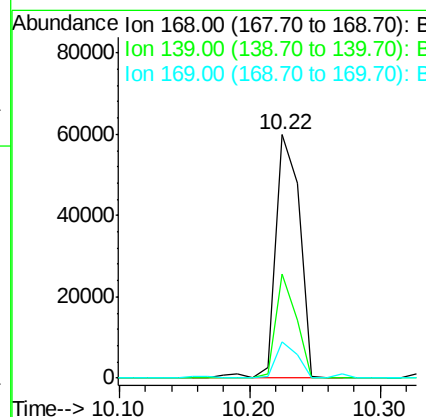
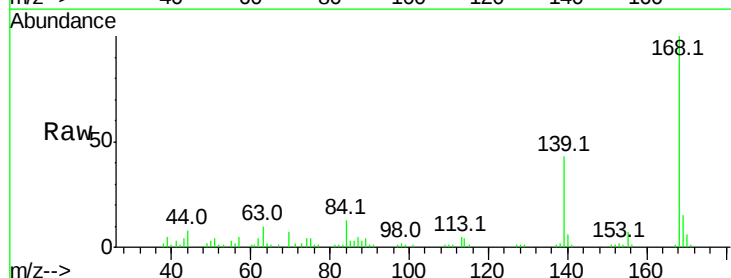
RT: 10.22 min Scan# 712

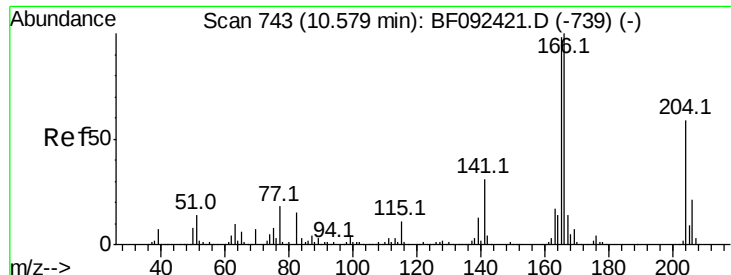
Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Tgt Ion:	168	Resp:	77500
Ion	Ratio	Lower	Upper
168	100		
139	42.9	32.6	49.0
169	15.1	11.3	16.9





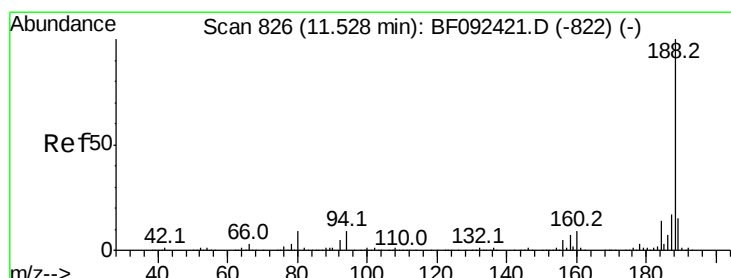
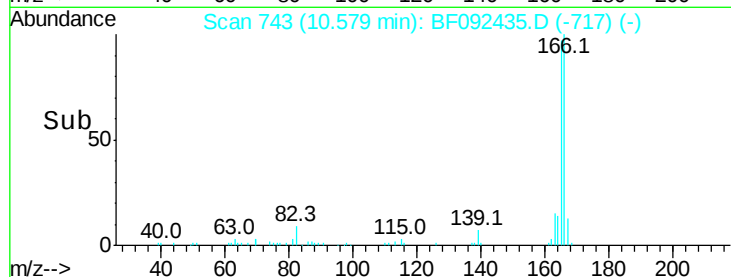
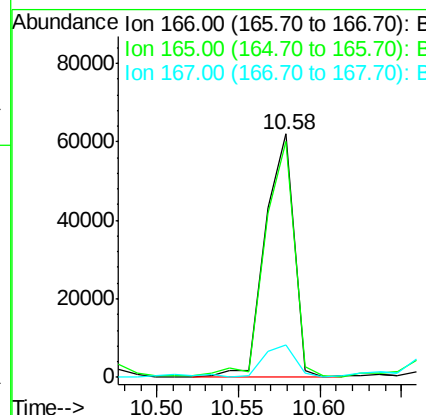
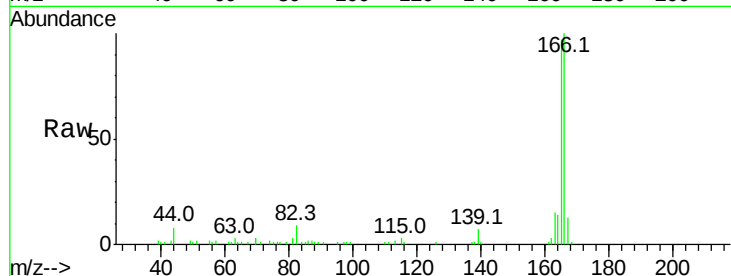
#57
Fluorene
 Concen: 4.07 ng
 RT: 10.58 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: BF092435.D
 Acq: 24 Jan 2017 18:10

Instrument :
 BNA_F
 ClientSampleId :
 BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.8	116.8
167	13.3	10.8	16.2

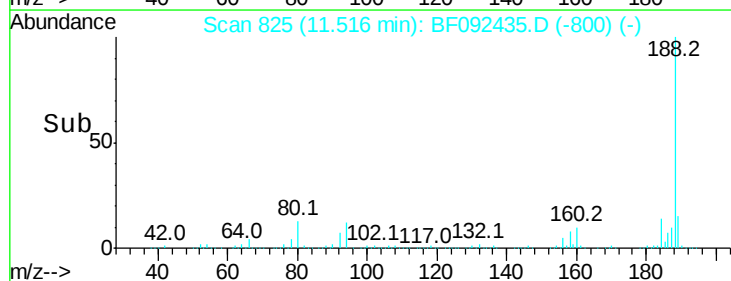
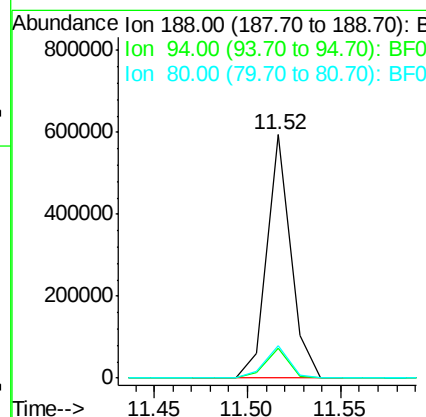
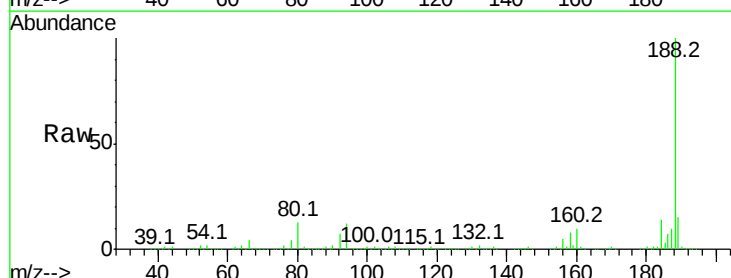
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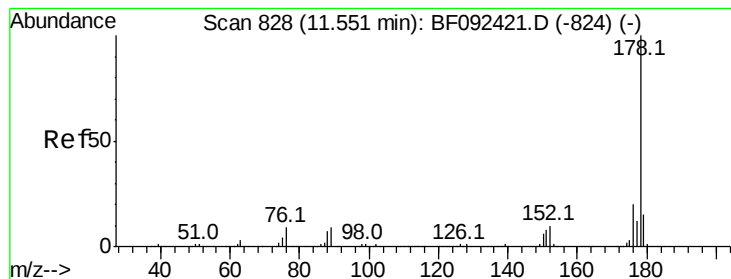
mohammad
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF092435.D
 Acq: 24 Jan 2017 18:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	10.0	15.0
80	13.2	11.2	16.8





#70

Phenanthrene

Concen: 19.67 ng

RT: 11.54 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

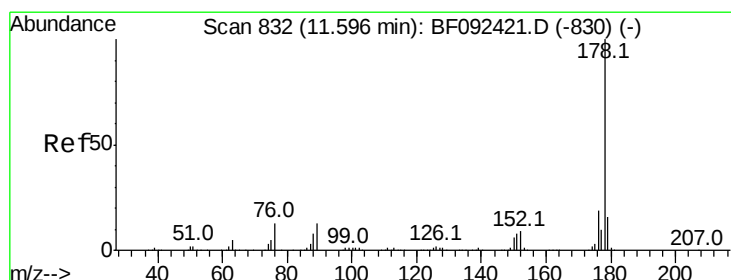
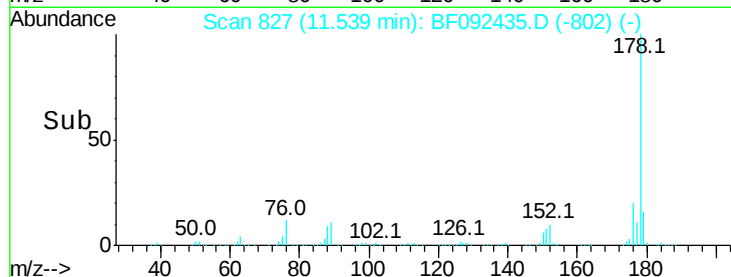
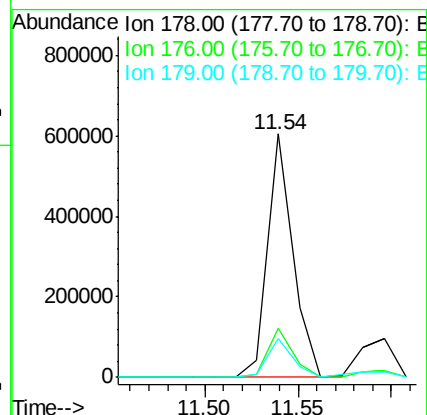
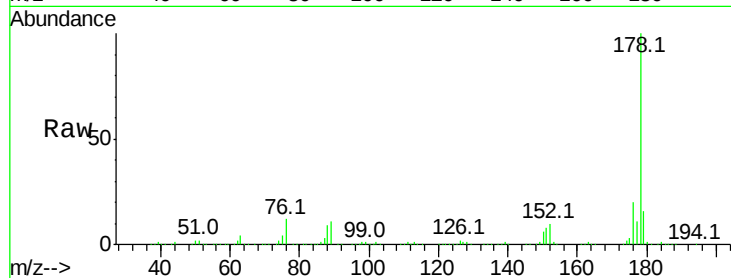
ClientSampleId :

BLACK-FILL2-0-5FT-COMP

Tot Ion:178	Resp:	567372
Ion Ratio	Lower	Upper
178	100	
176	20.0	16.6 25.0
179	15.8	12.8 19.2

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#71

Anthracene

Concen: 4.33 ng

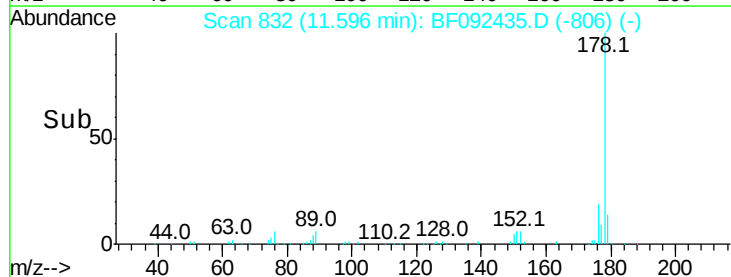
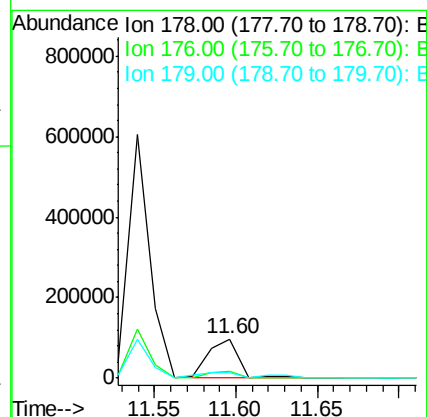
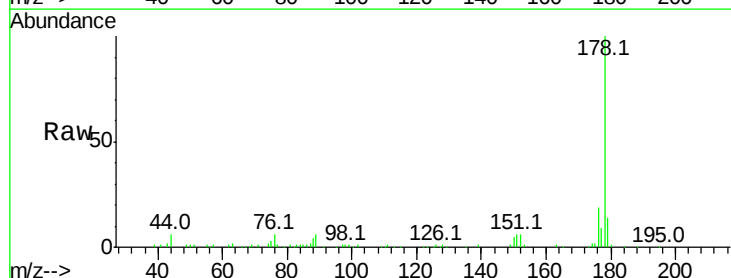
RT: 11.60 min Scan# 832

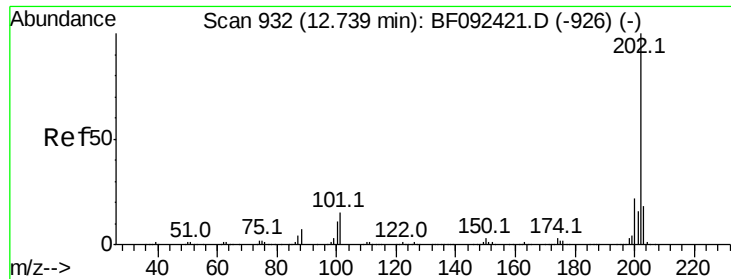
Delta R.T. 0.00 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Tgt Ion:178	Resp:	121923
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.9 23.9
179	14.3	13.2 19.8





#74

Fluoranthene

Concen: 21.59 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

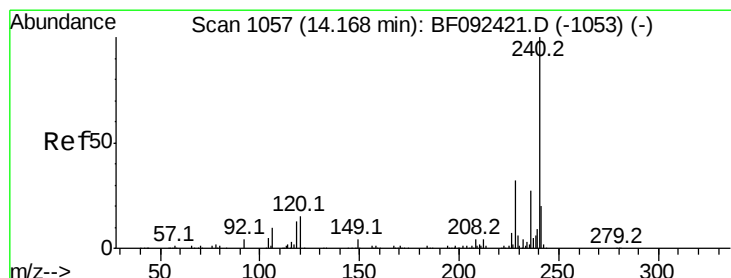
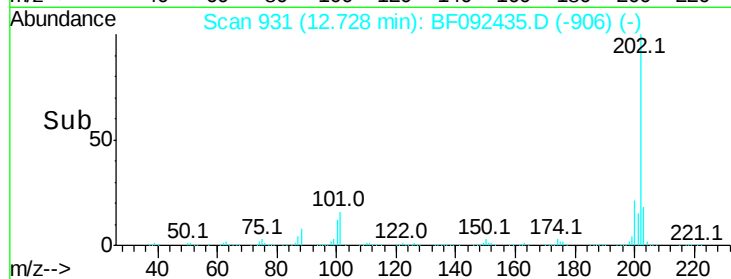
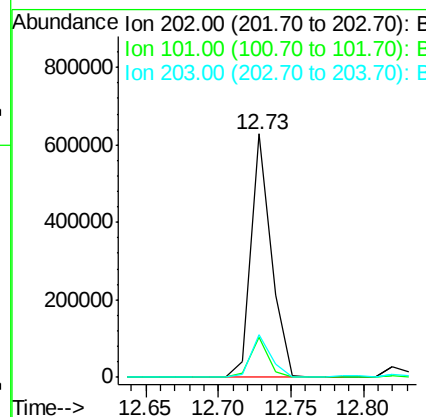
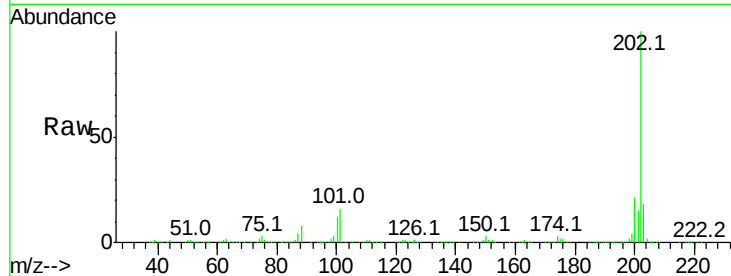
ClientSampleId :

BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	609135		
101	16.2	0.0	34.6	
203	17.6	0.0	38.7	

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#75

Chrysene-d12

Concen: 20.00 ng

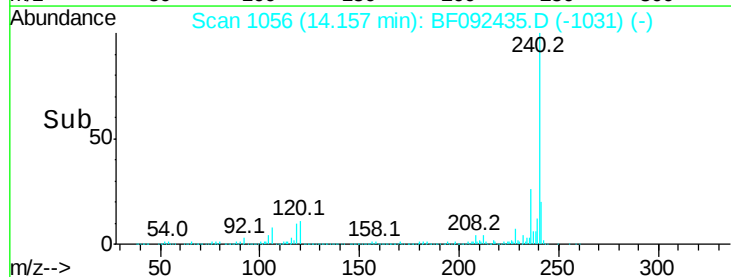
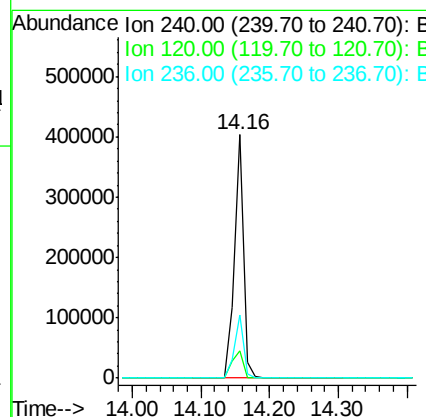
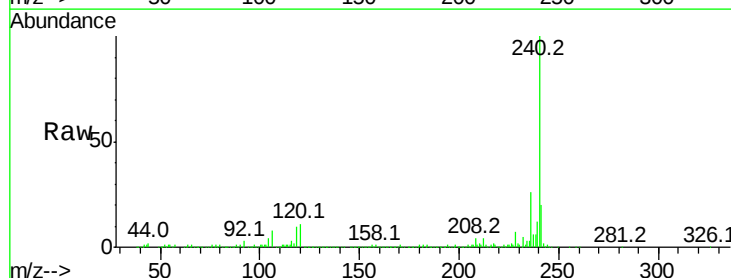
RT: 14.16 min Scan# 1056

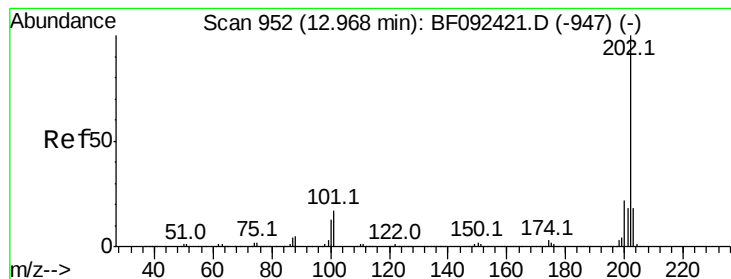
Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	382660		
120	11.0	12.9	19.3#	
236	25.8	20.9	31.3	





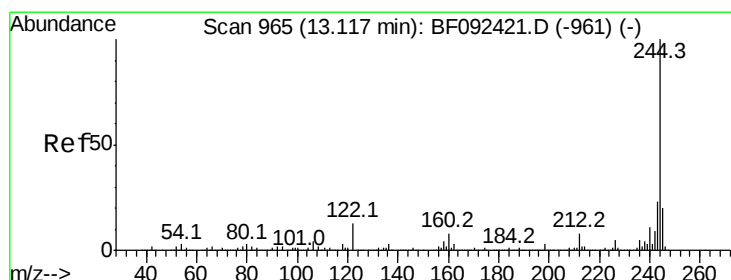
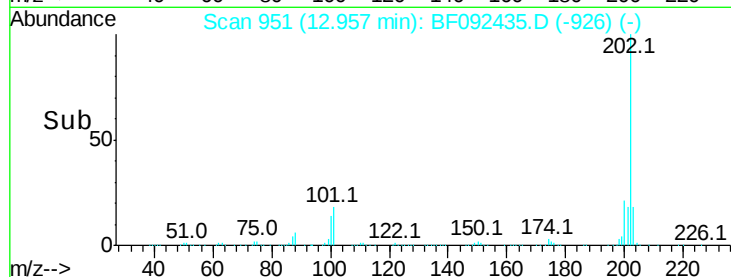
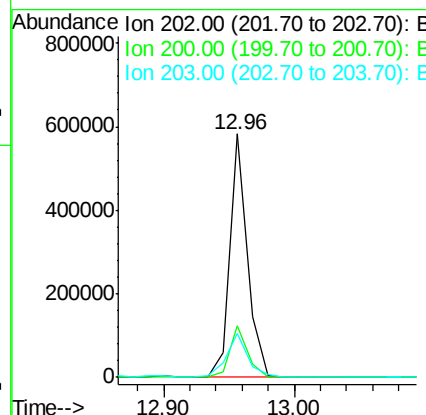
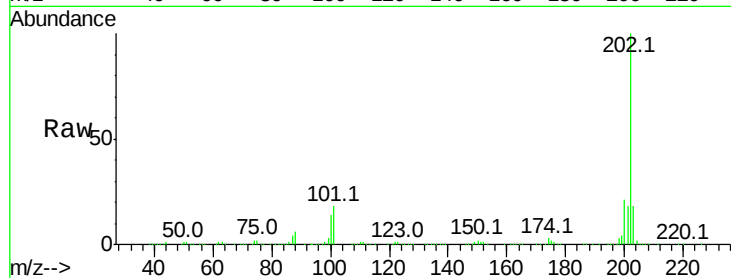
#77
Pvrene
Concen: 19.72 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.7	26.5
203	18.0	14.7	22.1

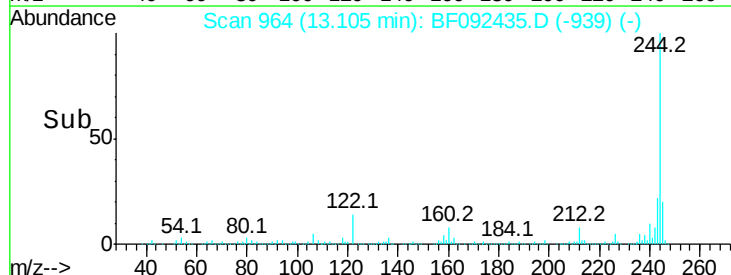
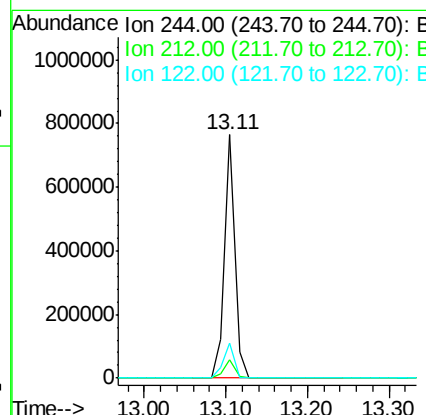
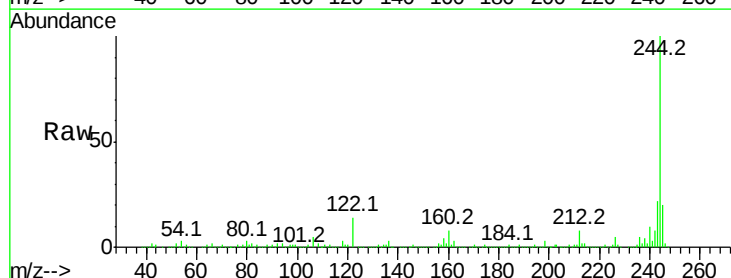
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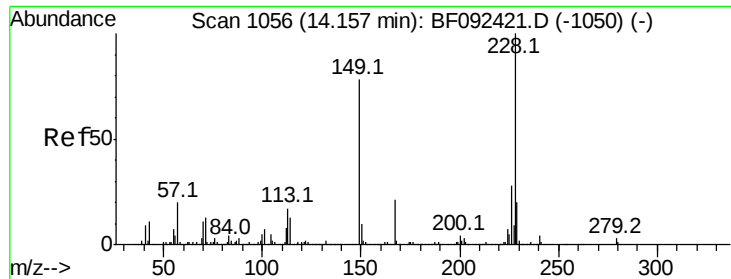
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#78
Terphenyl-d14
Concen: 46.71 ng
RT: 13.11 min Scan# 964
Delta R.T. -0.01 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	14.3	11.4	17.2





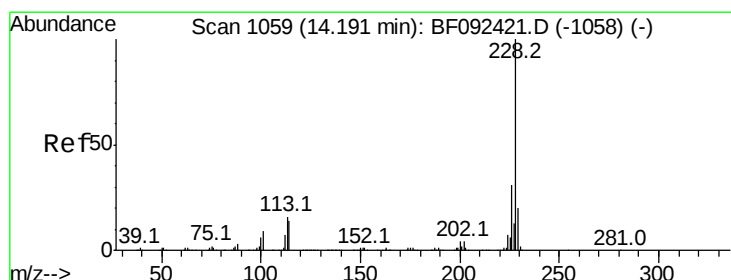
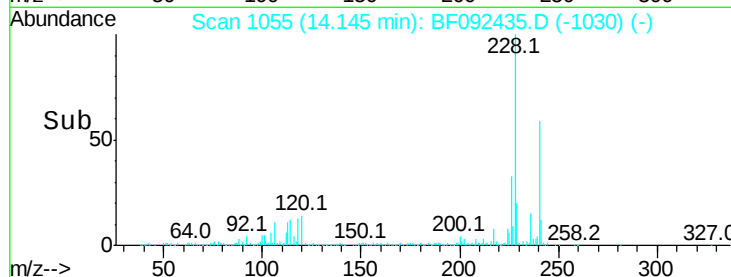
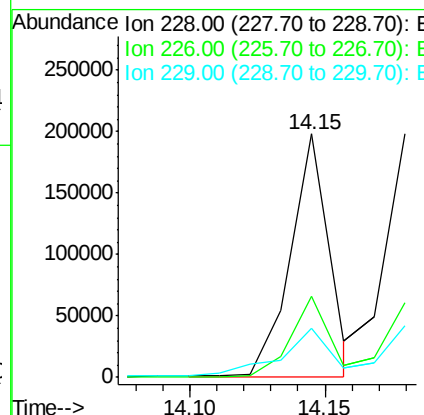
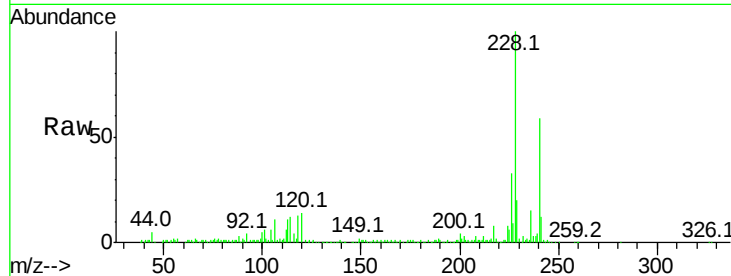
#80
Benzo(a)anthracene
Concen: 9.52 ng m
RT: 14.15 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.4	33.6
229	20.4	16.2	24.4

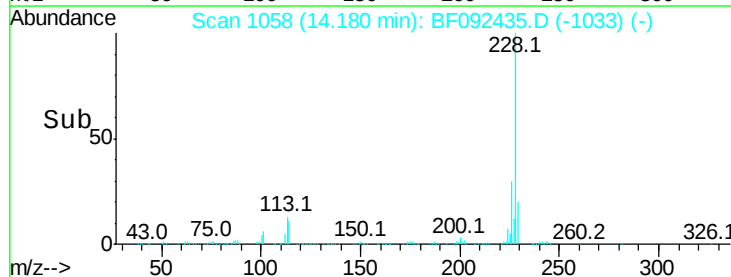
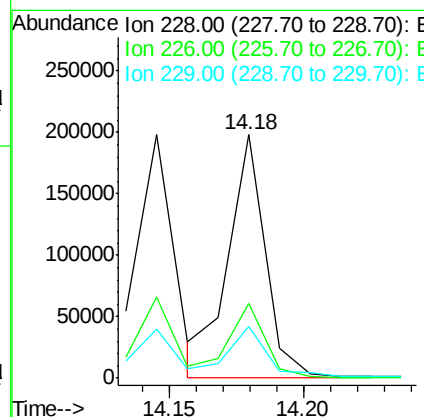
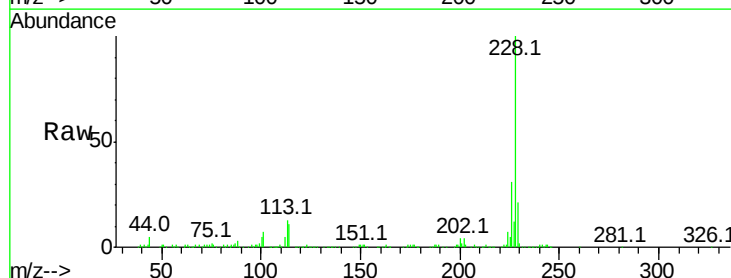
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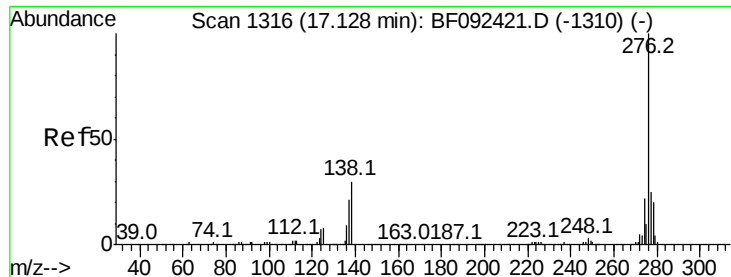
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#82
Chrysene
Concen: 8.64 ng m
RT: 14.18 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.0
229	21.1	16.2	24.2





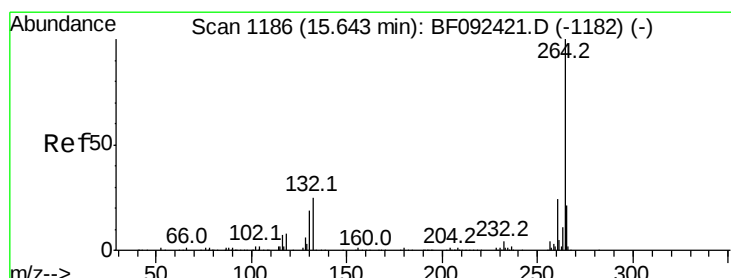
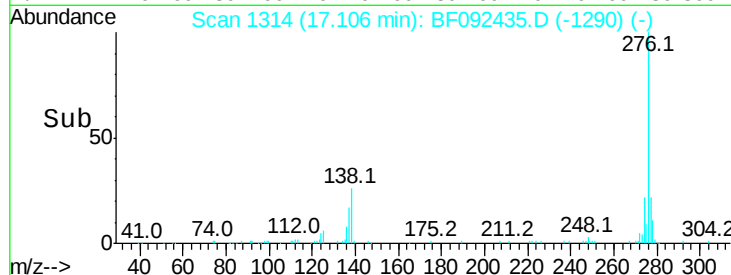
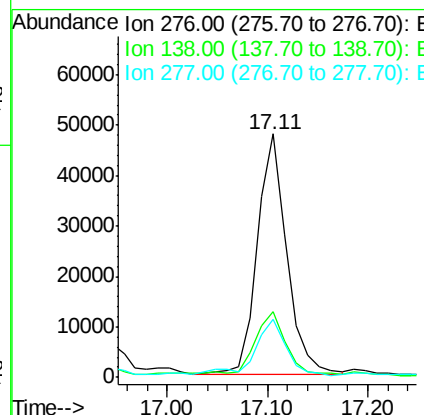
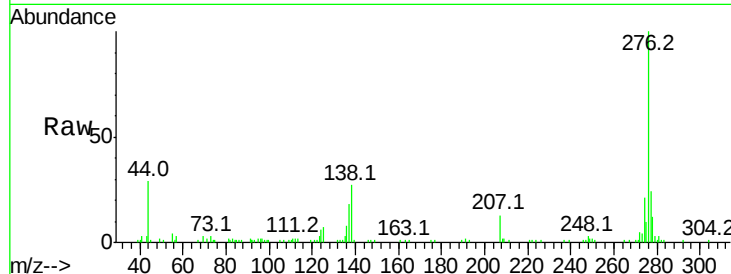
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.96 ng
RT: 17.11 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.8	32.6
277	26.0	20.2	30.4

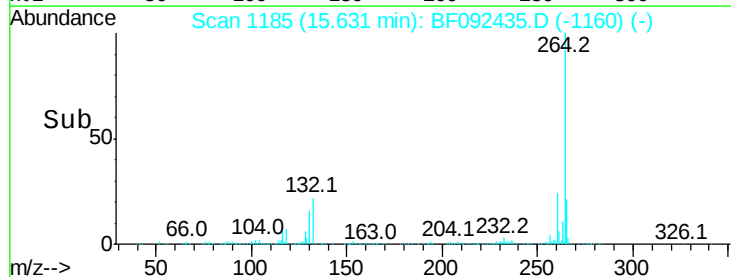
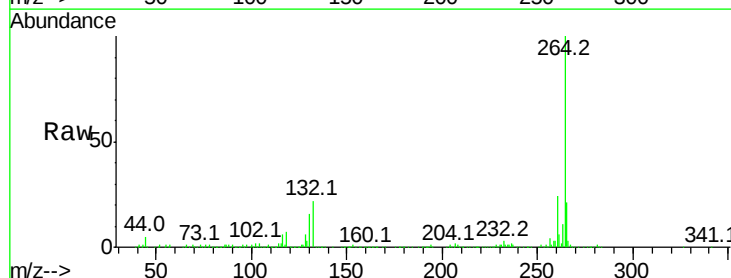
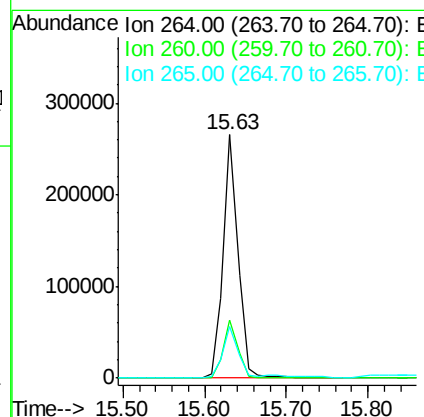
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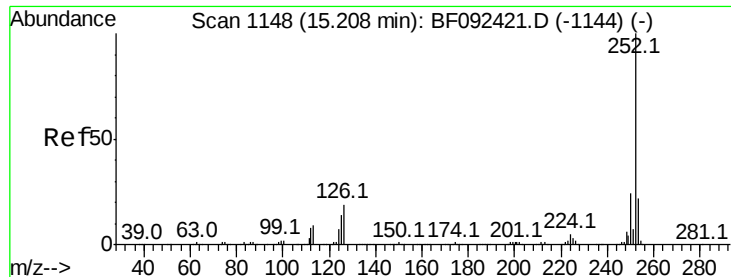
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.1	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 8.09 ng m

RT: 15.20 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Instrument :

BNA_F

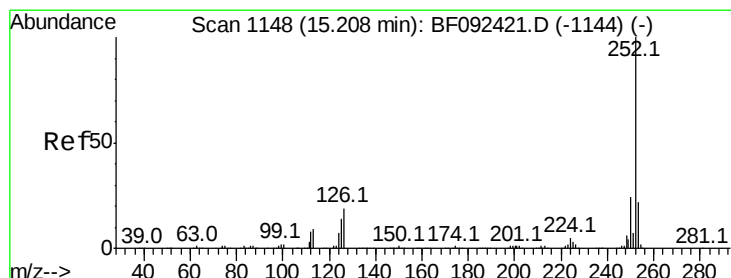
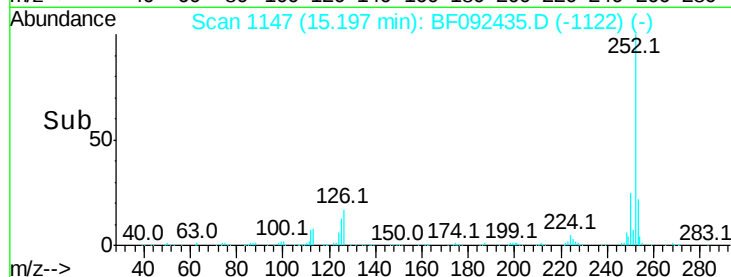
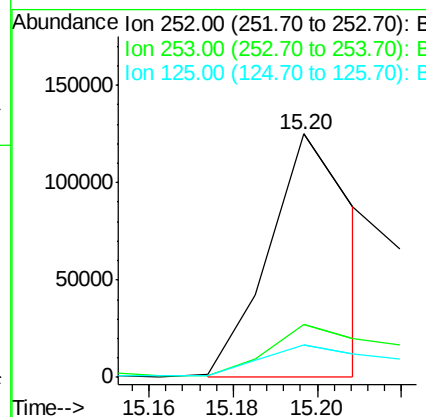
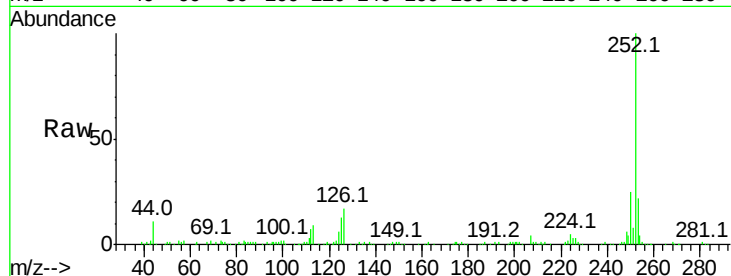
ClientSampleId :

BLACK-FILL2-0-5FT-COMP

Tot Ion:	252	Resp:	174985
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.2	27.4
125	13.5	9.8	14.6

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#88

Benzo(k)fluoranthene

Concen: 4.54 ng m

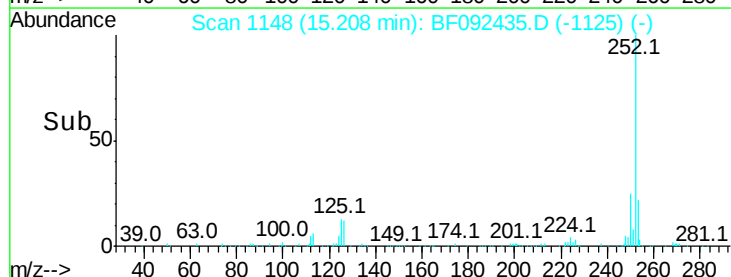
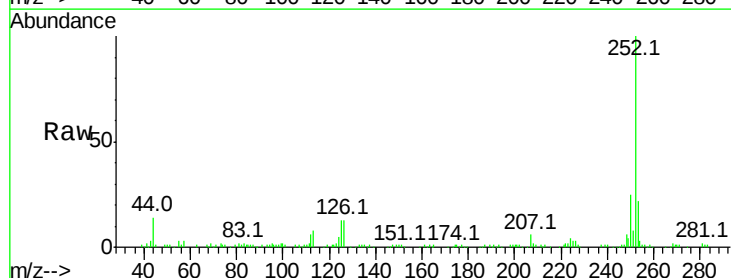
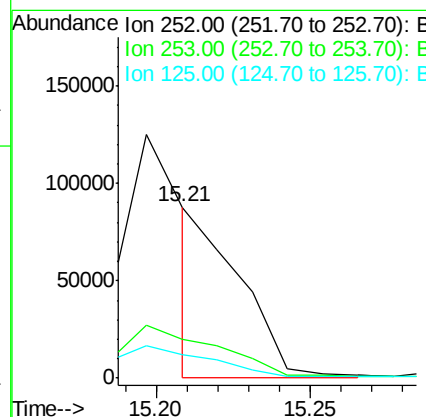
RT: 15.21 min Scan# 1148

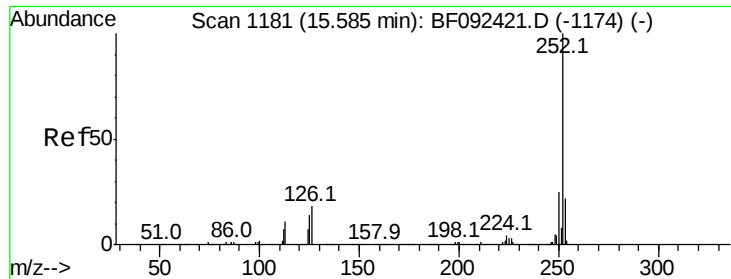
Delta R.T. -0.03 min

Lab File: BF092435.D

Acq: 24 Jan 2017 18:10

Tgt Ion:	252	Resp:	81607
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.5	27.7
125	13.4	8.9	13.3#





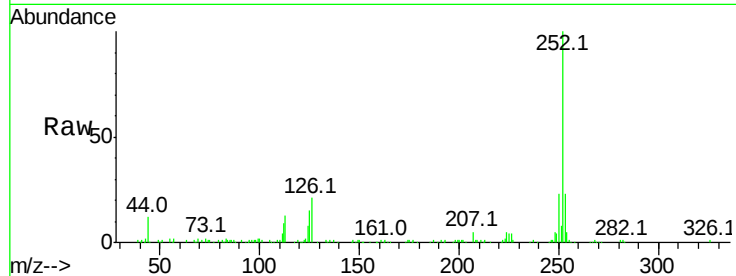
#89
Benzo(a)pyrene
Concen: 8.33 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Resp	Lower	Upper
252	100	152295		
253	23.1	18.2	27.2	
125	14.8	10.0	15.0	

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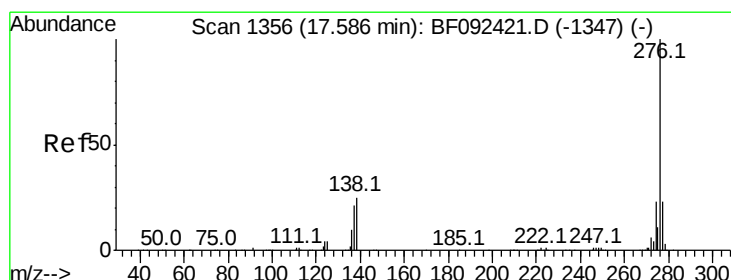
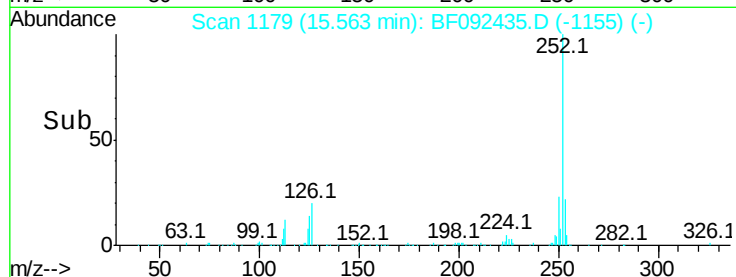
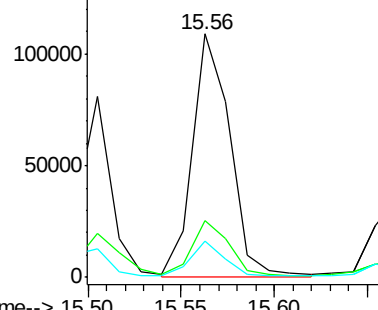


Abundance

Ion 252.00 (251.70 to 252.70): E

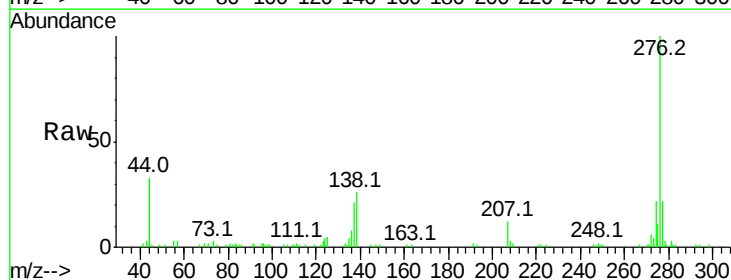
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.62 ng
RT: 17.55 min Scan# 1353
Delta R.T. -0.03 min
Lab File: BF092435.D
Acq: 24 Jan 2017 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	99033		
277	21.6	19.2	28.8	
138	25.6	16.0	24.0	



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

