

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092433.D
 Acq On : 24 Jan 2017 17:14
 Operator : UM/SJ
 Sample : I1329-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLACK-FILL1-0-5FT-COMP

Manual Integrations
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 1/25/2017 3:49:38 PM

Quant Time: Jan 24 18:51:23 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	162811	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	626820	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	314727	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	493075	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	356462	20.00	ng	-0.02
86) Perylene-d12	15.63	264	328293	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1506978	144.01	ng	0.02
7) Phenol-d6	6.59	99	1648820	123.70	ng	0.00
23) Nitrobenzene-d5	7.54	82	1202186	104.77	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	300018	139.89	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1321979	77.67	ng	-0.01
78) Terphenyl-d14	13.11	244	1007735	75.28	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.60	94	124249	7.72	ng	# 77
31) Naphthalene	8.28	128	729093	22.73	ng	99
37) 2-Methylnaphthalene	8.98	142	180264	8.88	ng	98
45) 1,1'-Biphenyl	9.45	154	60967	2.68	ng	100
49) Dimethylphthalate	9.74	163	226644	11.32	ng	99
51) Acenaphthene	10.05	154	230859	13.63	ng	99
54) Dibenzofuran	10.22	168	273262	11.88	ng	100
57) Fluorene	10.58	166	277213	16.26	ng	96
70) Phenanthrene	11.54	178	1059981	39.04	ng	99
71) Anthracene	11.58	178	177284	6.68	ng	98
72) Carbazole	11.73	167	72110	2.85	ng	98
74) Fluoranthene	12.73	202	751985	28.31	ng	96
77) Pvrene	12.96	202	641153	24.82	ng	98
80) Benzo(a)anthracene	14.15	228	228185m	11.91	ng	
82) Chrysene	14.18	228	200037	9.78	ng	98
85) Indeno(1,2,3-cd)pyrene	17.11	276	108311	7.16	ng	99
87) Benzo(b)fluoranthene	15.20	252	187891m	8.92	ng	
88) Benzo(k)fluoranthene	15.21	252	73102m	4.17	ng	
89) Benzo(a)pvrene	15.56	252	159902	8.97	ng	97
91) Benzo(a,h,i)perylene	17.55	276	110358	7.57	ng	# 94

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

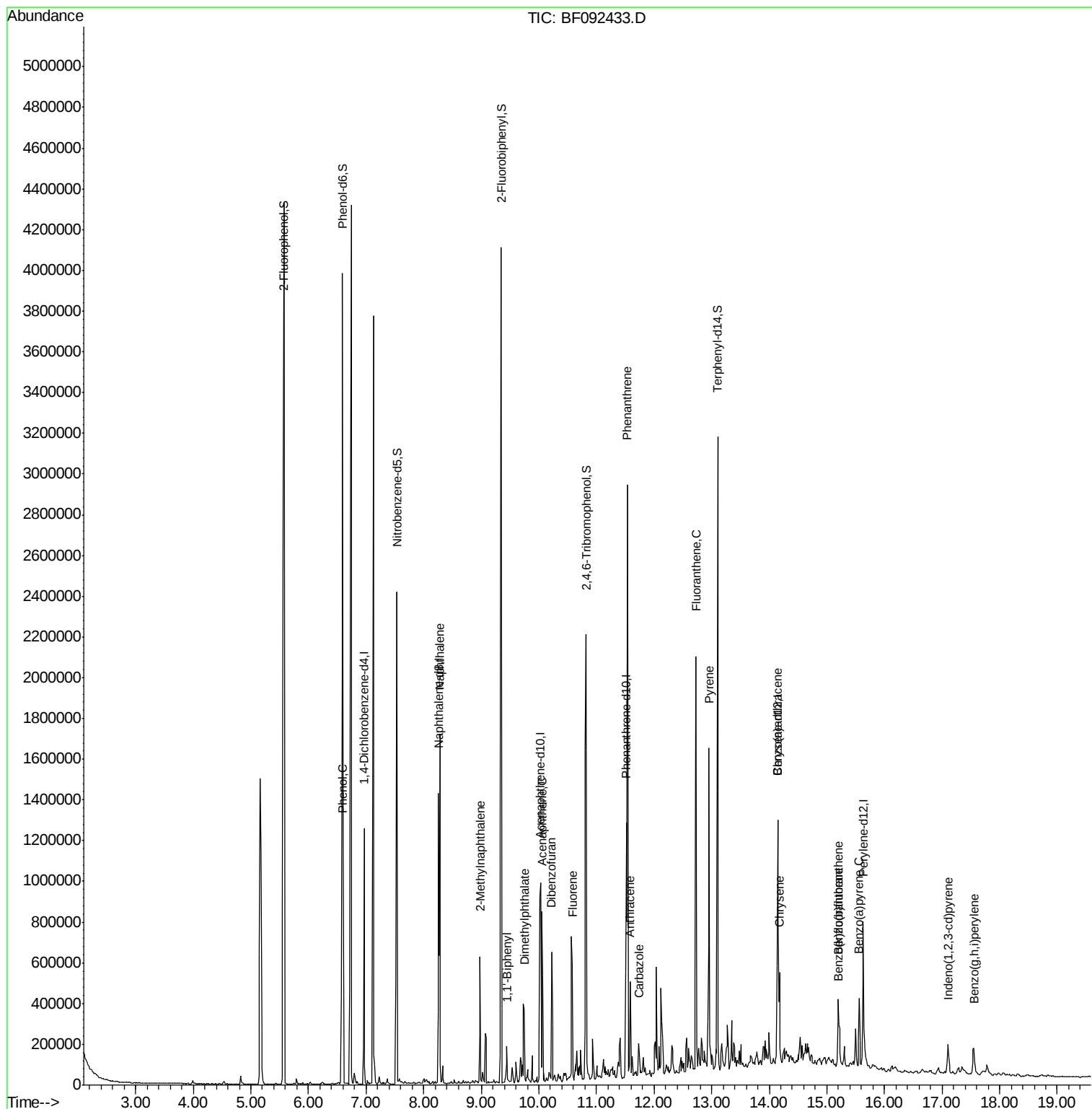
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
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Acq On : 24 Jan 2017 17:14
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ALS Vial : 16 Sample Multiplier: 1

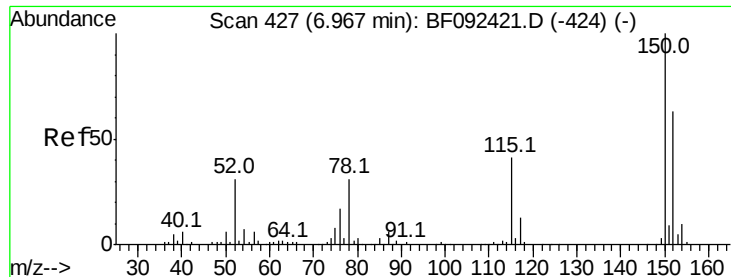
Instrument :
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BLACK-FILL1-0-5FT-COMP

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#1

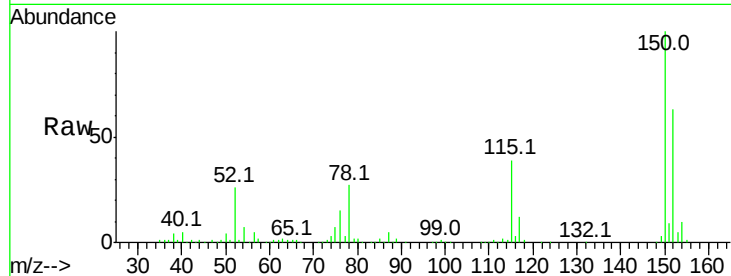
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL1-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.9	187.3
115	61.7	46.0	69.0

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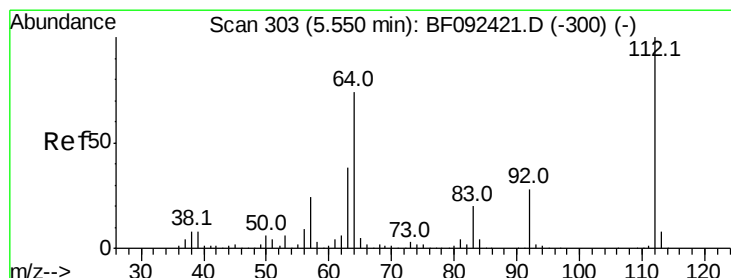
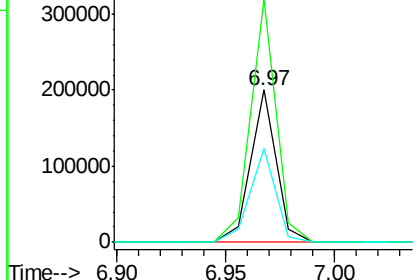
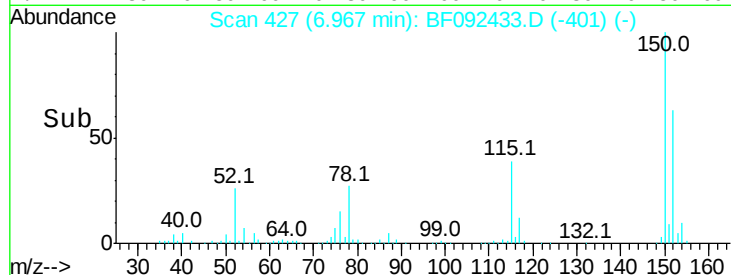


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

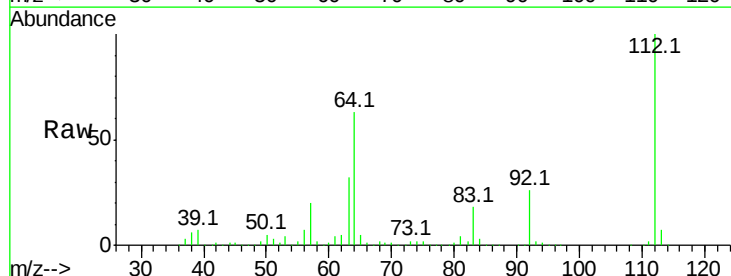
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 144.01 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.02 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	46.1	69.1
63	31.8	23.8	35.6

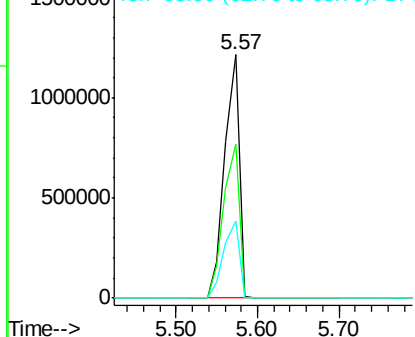
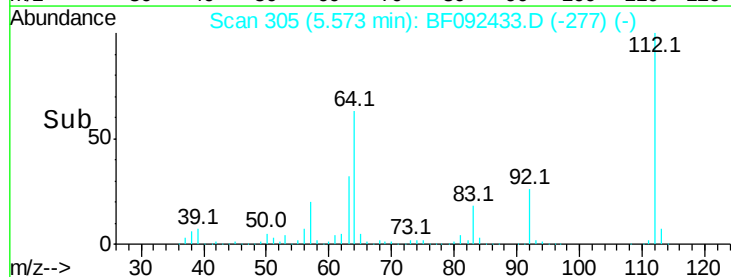


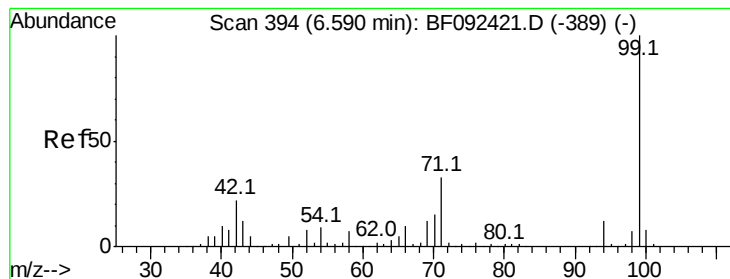
Abundance

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: 123.70 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092433.D

Acq: 24 Jan 2017 17:14

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL1-0-5FT-COMP

Tot Ion: 99 Resp: 1648820

Ion Ratio Lower Upper

99 100

42 22.5 15.6 23.4

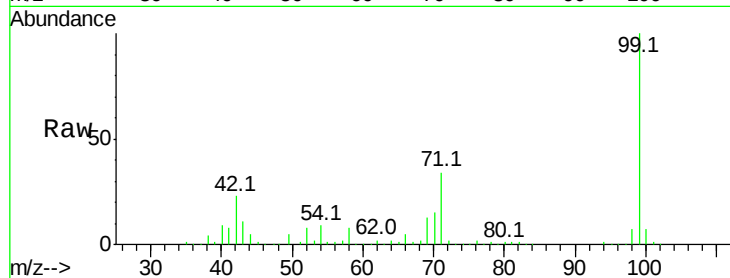
71 34.1 27.5 41.3

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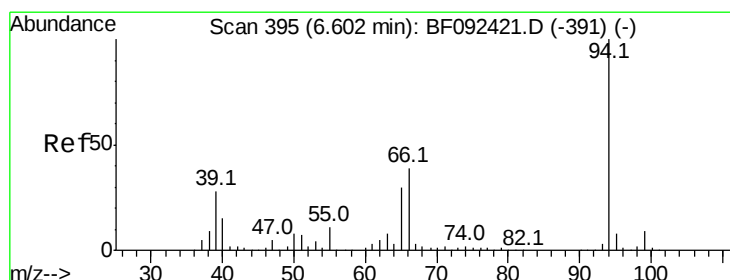
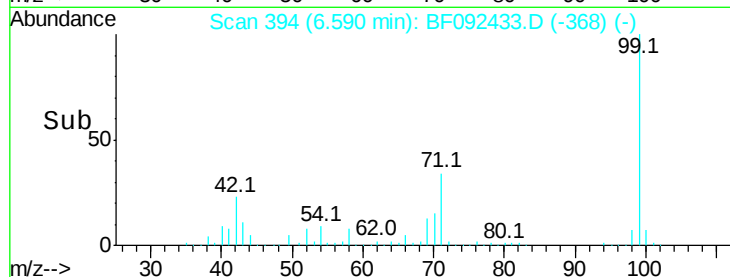
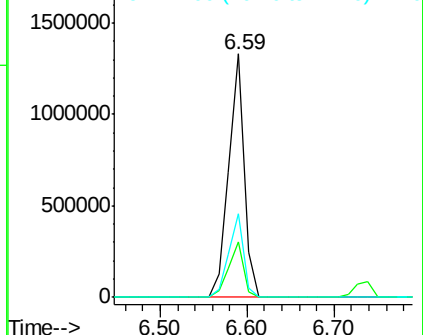
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 7.72 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092433.D

Acq: 24 Jan 2017 17:14

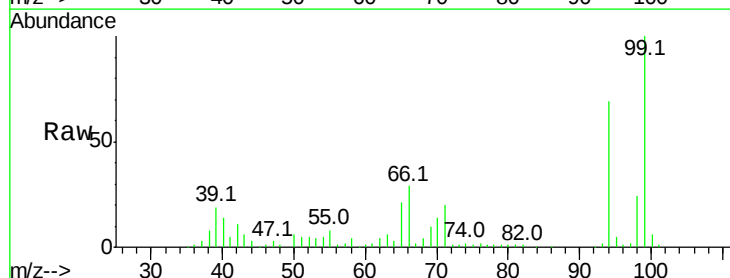
Tgt Ion: 94 Resp: 124249

Ion Ratio Lower Upper

94 100

65 30.7 21.4 61.4

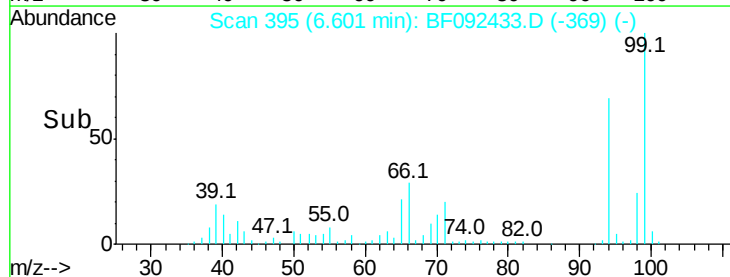
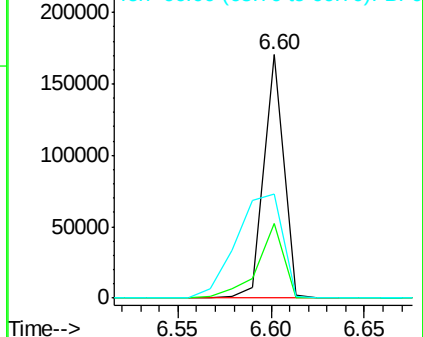
66 42.7 44.0 84.0#

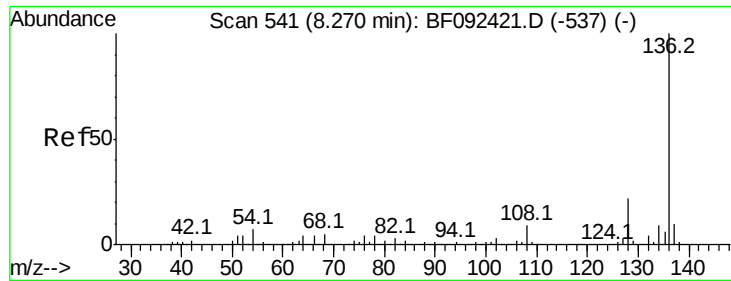


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





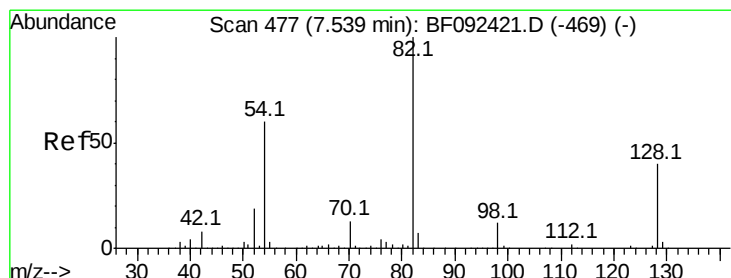
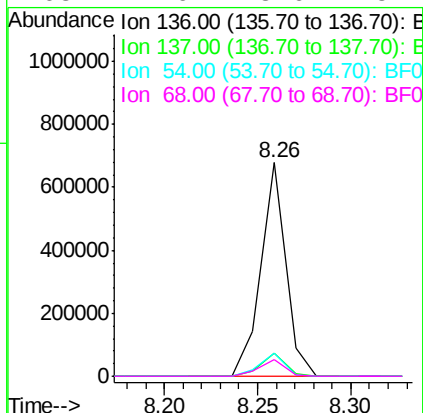
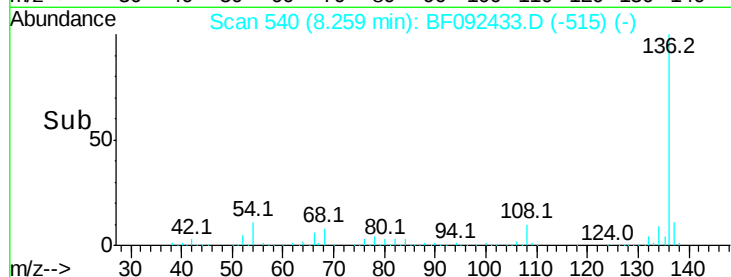
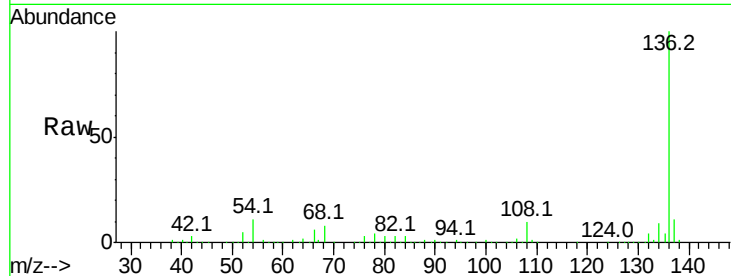
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL1-0-5FT-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.4	12.6	
54	10.9	4.5	6.7#	
68	7.6	3.6	5.4#	

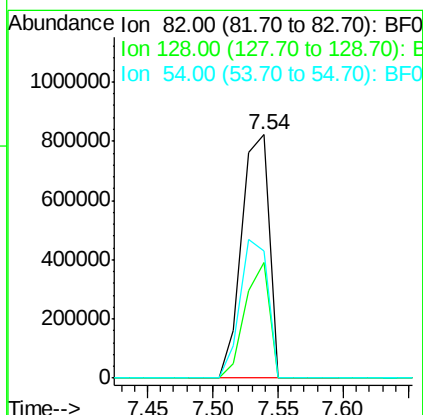
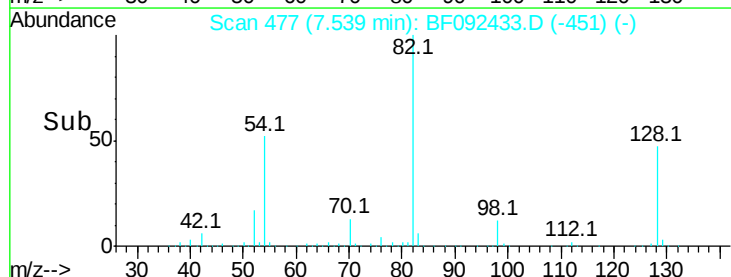
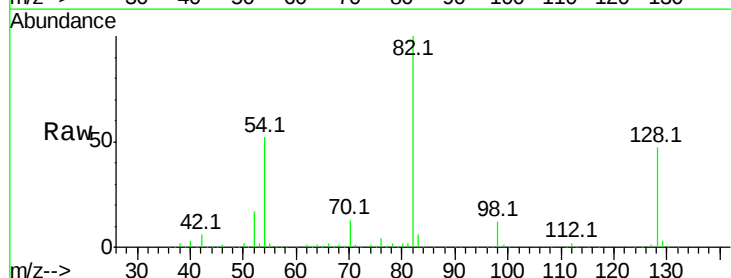
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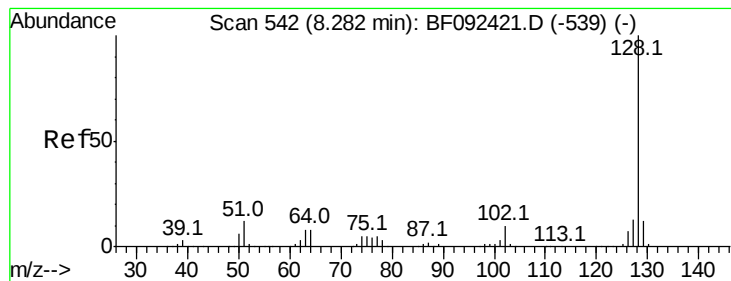
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#23
Nitrobenzene-d5
Concen: 104.77 ng
RT: 7.54 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.4	34.6	52.0	
54	52.2	39.5	59.3	





#31

Naphthalene

Concen: 22.73 ng

RT: 8.28 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF092433.D

Acq: 24 Jan 2017 17:14

Instrument :

BNA_F

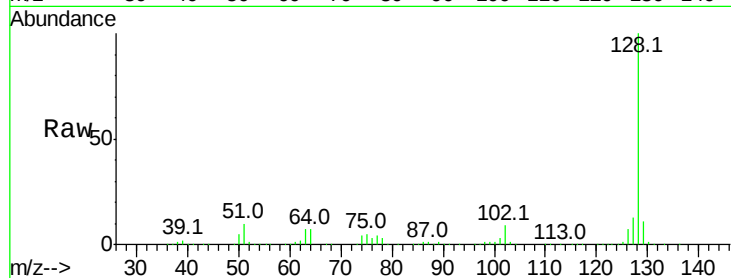
ClientSampleId :

BLACK-FILL1-0-5FT-COMP

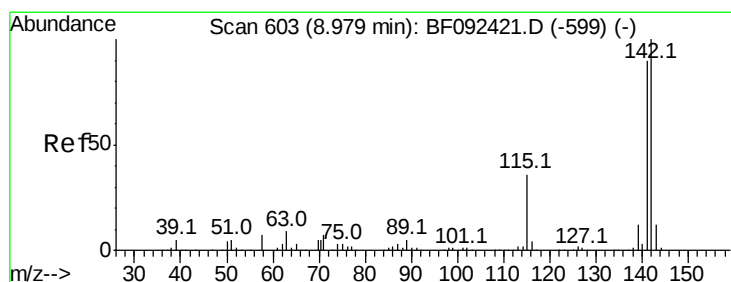
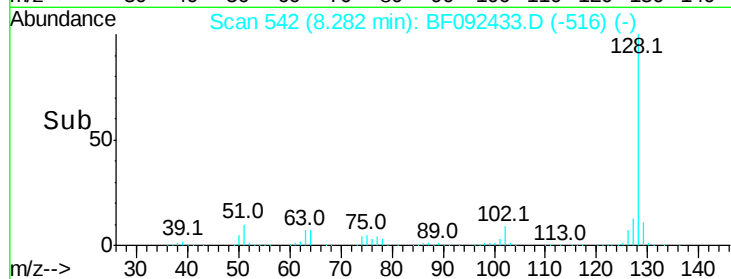
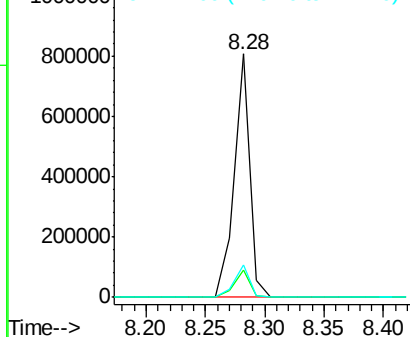
Tot Ion:	128	Resp:	729093
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.5	14.3
127	13.5	10.8	16.2

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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: 8.88 ng

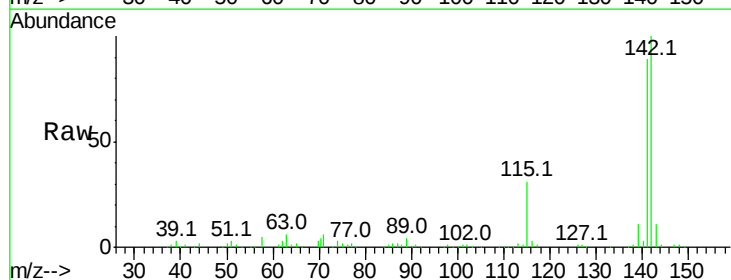
RT: 8.98 min Scan# 603

Delta R.T. -0.00 min

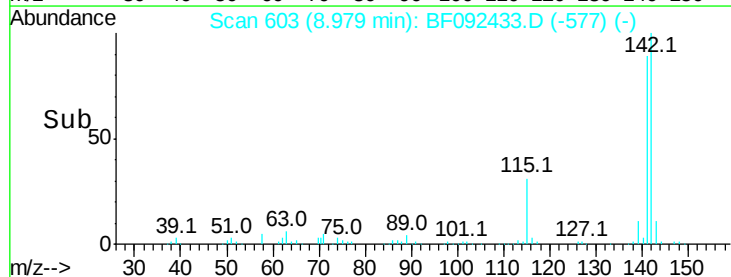
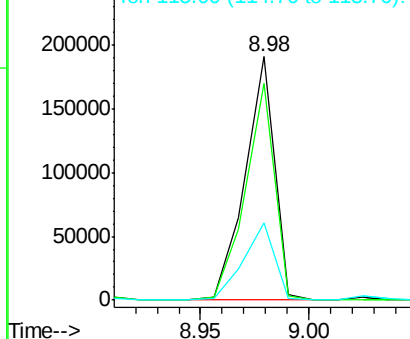
Lab File: BF092433.D

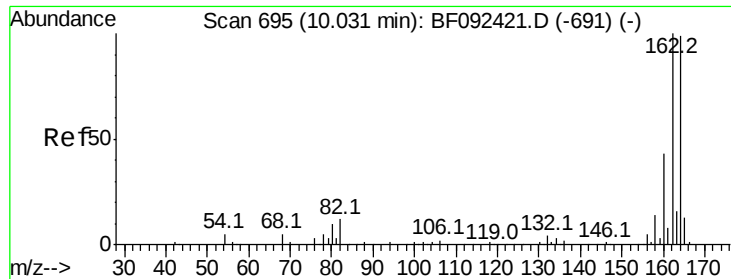
Acq: 24 Jan 2017 17:14

Tgt Ion:	142	Resp:	180264
Ion Ratio	Lower	Upper	
142	100		
141	89.2	71.0	106.6
115	31.5	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





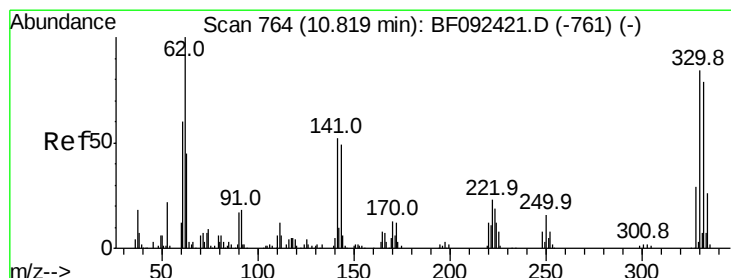
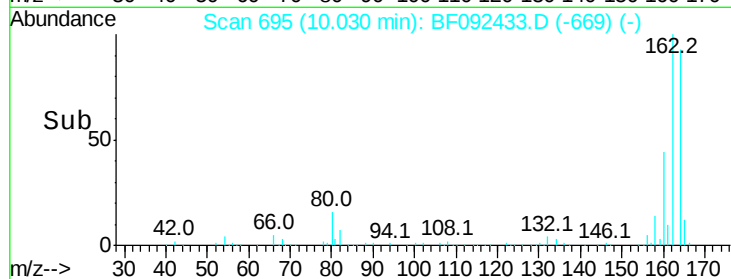
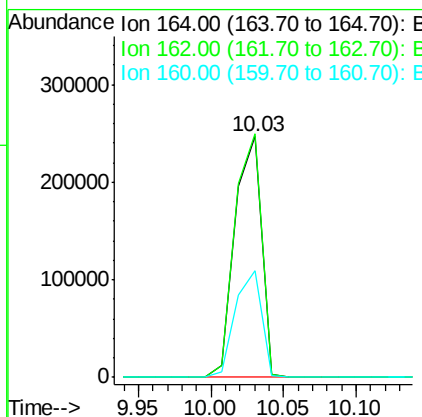
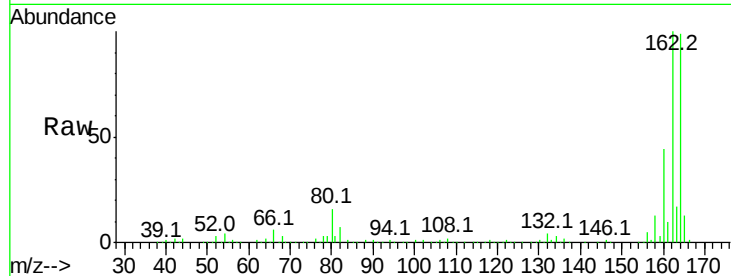
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL1-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.2	120.2
160	44.3	36.9	55.3

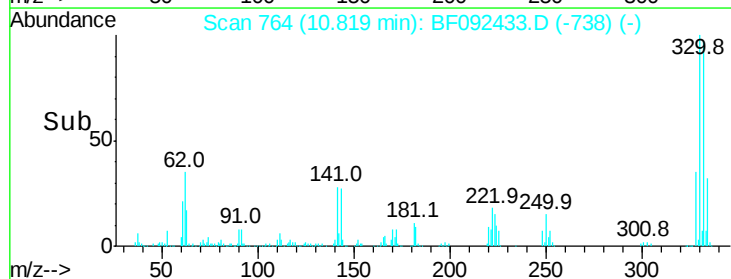
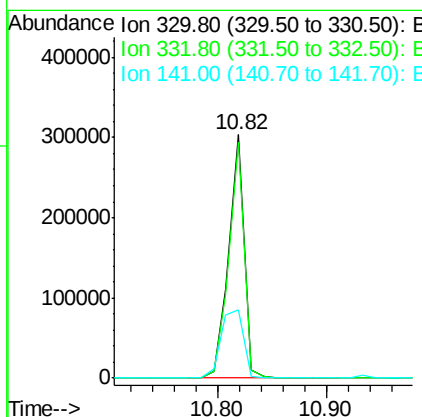
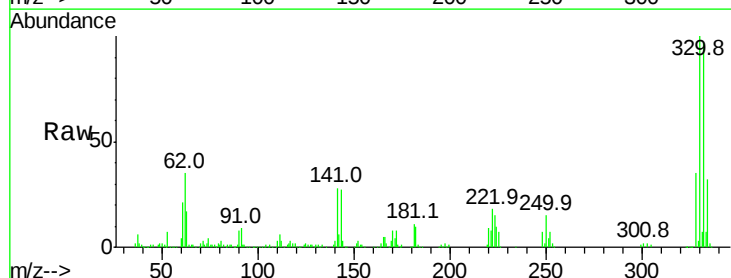
Manual Integrations
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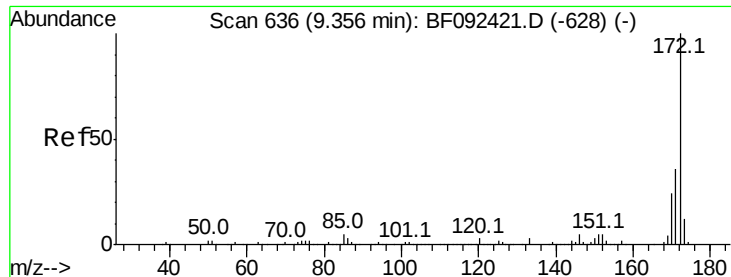
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#41
2,4,6-Tribromophenol
Concen: 139.89 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.00 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.2
141	41.7	34.1	51.1





#44
 2-Fluorobiphenyl
 Concen: 77.67 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092433.D
 Acq: 24 Jan 2017 17:14

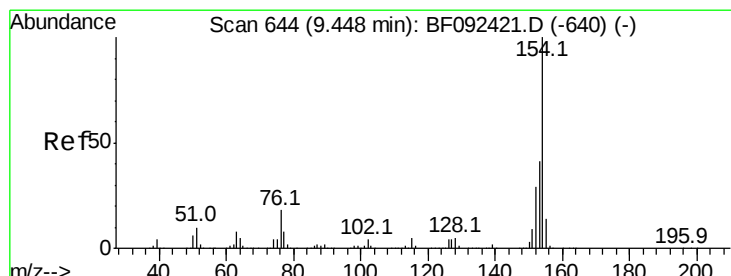
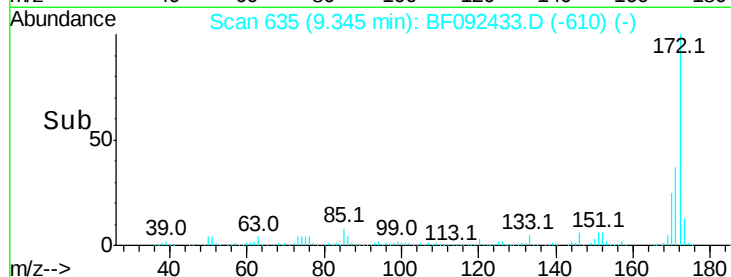
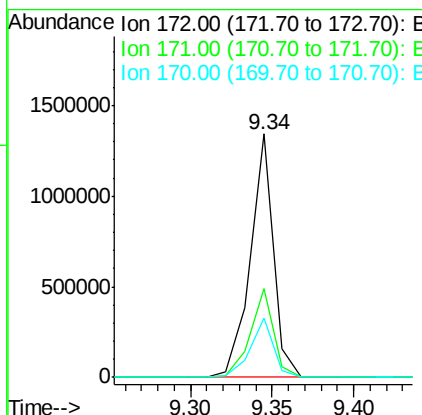
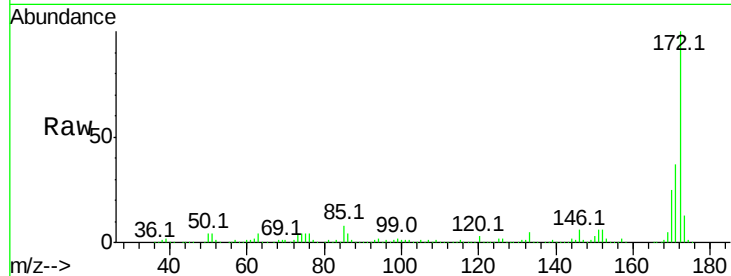
Instrument :
 BNA_F
 ClientSampleId :
 BLACK-FILL1-0-5FT-COMP

Tot Ion:172 Resp: 1321979

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.6	20.2	30.4

Manual Integrations
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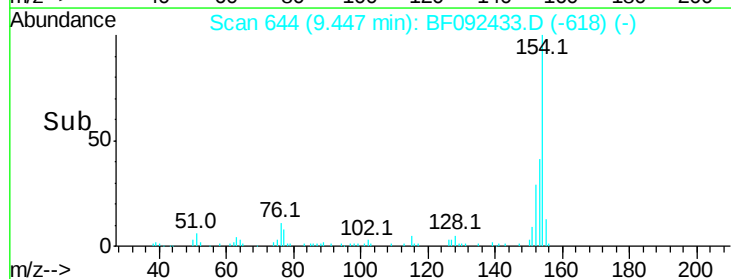
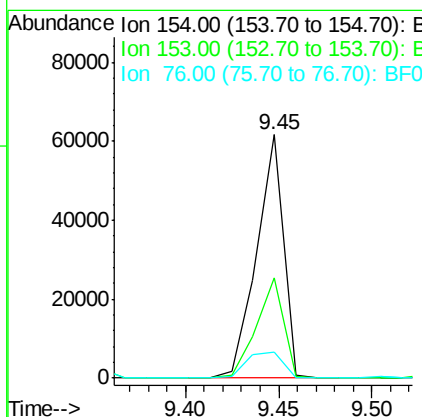
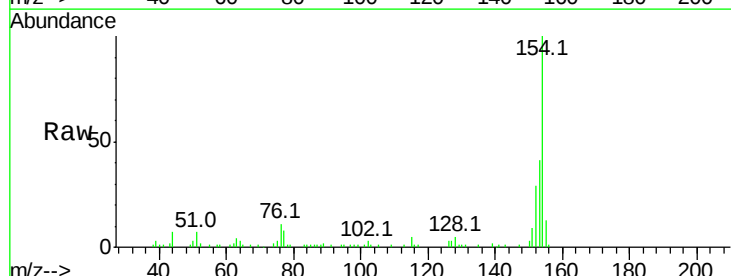
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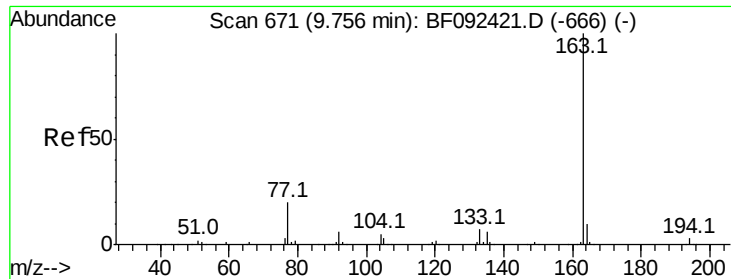


#45
 1,1'-Biphenyl
 Concen: 2.68 ng
 RT: 9.45 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: BF092433.D
 Acq: 24 Jan 2017 17:14

Tgt Ion:154 Resp: 60967

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.9	60.9
76	10.8	0.0	30.5





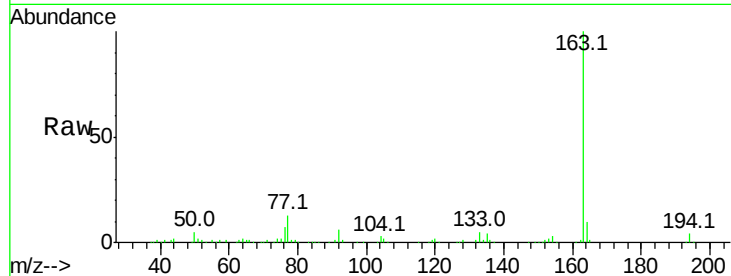
#49
Dimethylphthalate
Concen: 11.32 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL1-0-5FT-COMP

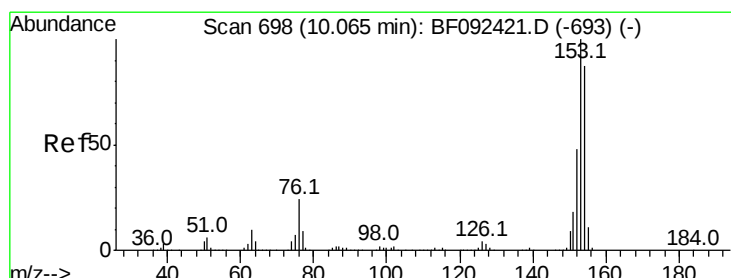
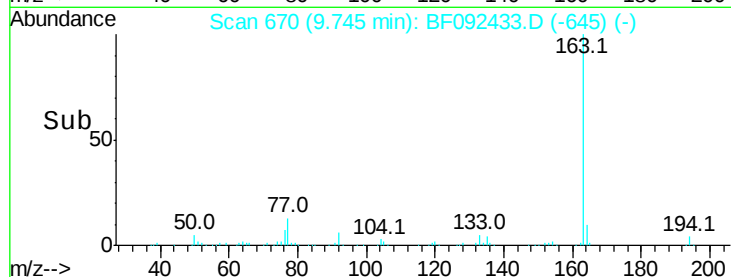
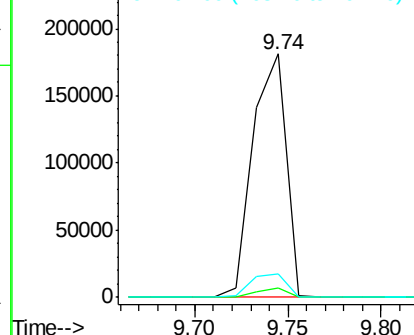
Tot Ion	Ratio	Resp	Lower	Upper
163	100	226644		
194	3.9		3.0	4.4
164	9.8		8.0	12.0

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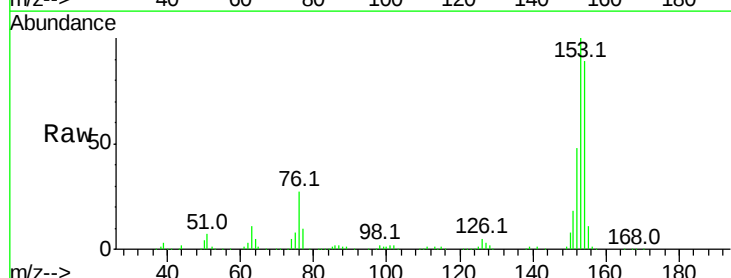


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

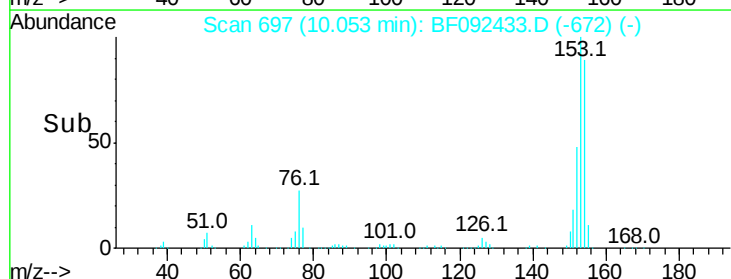
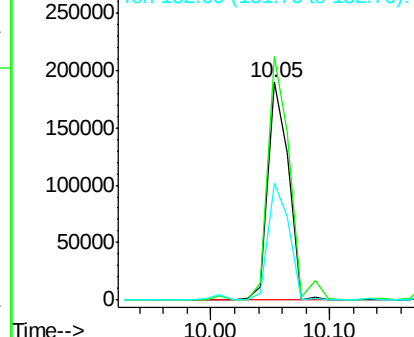


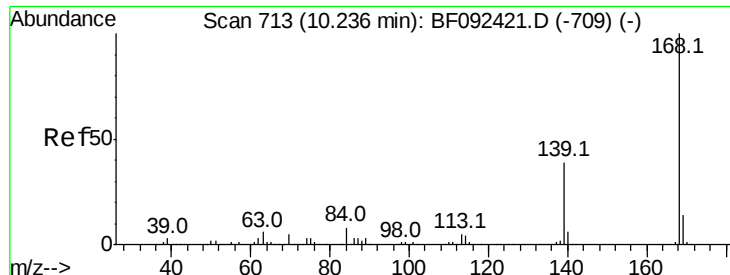
#51
Acenaphthene
Concen: 13.63 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.01 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	230859		
153	111.8		88.6	133.0
152	53.4		41.6	62.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





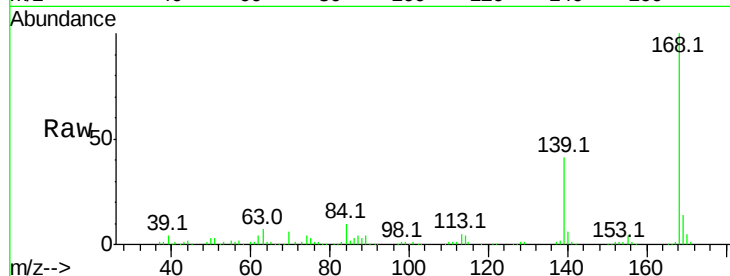
#54
Dibenzenofuran
Concen: 11.88 ng
RT: 10.22 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL1-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.6	49.0
169	13.6	11.3	16.9

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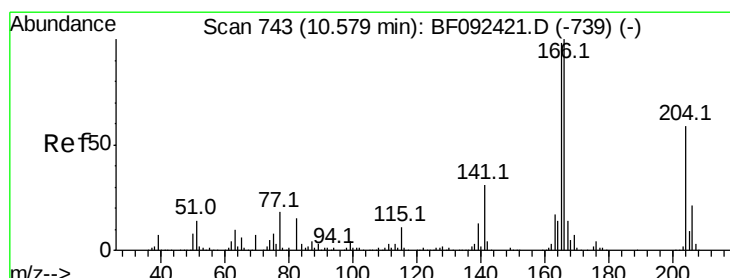
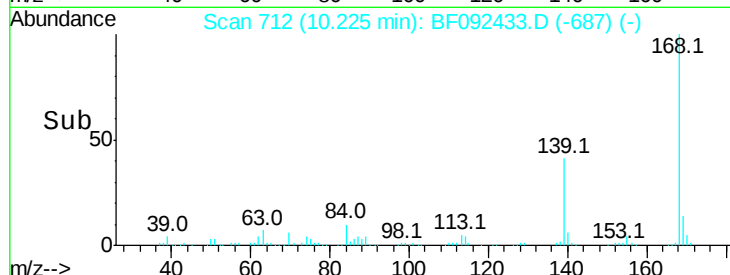
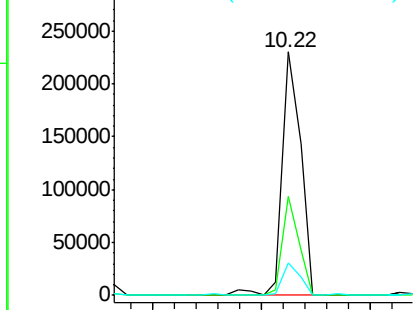


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
Fluorene
Concen: 16.26 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

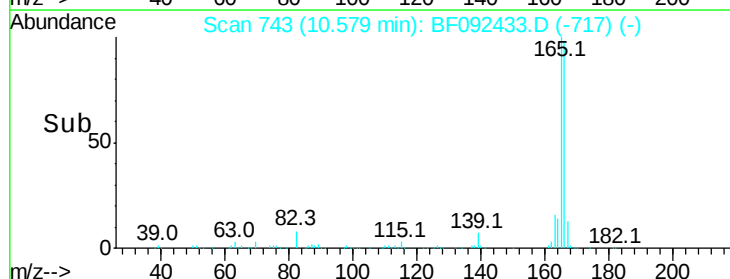
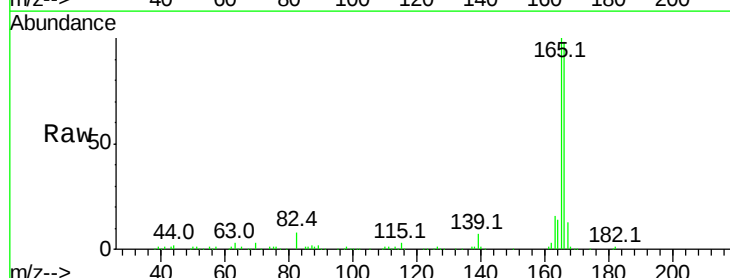
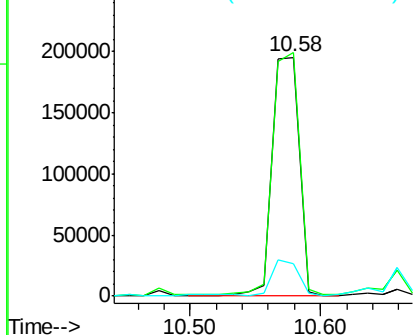
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.9	77.8	116.8
167	13.3	10.8	16.2

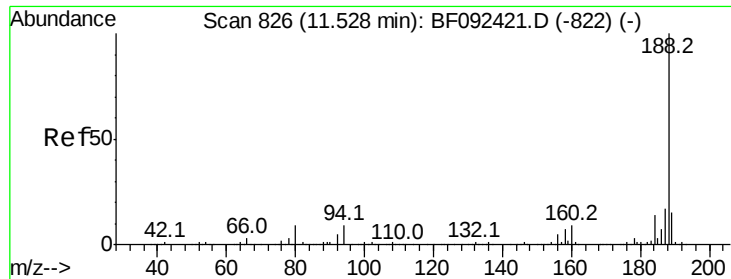
Abundance

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





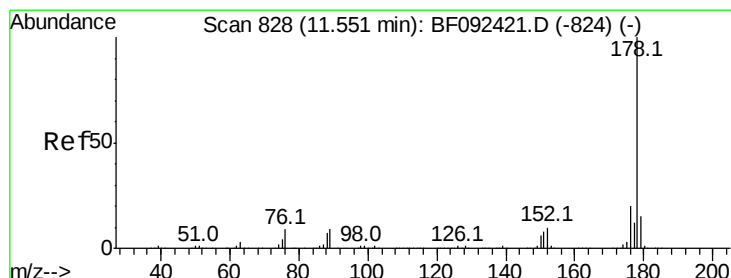
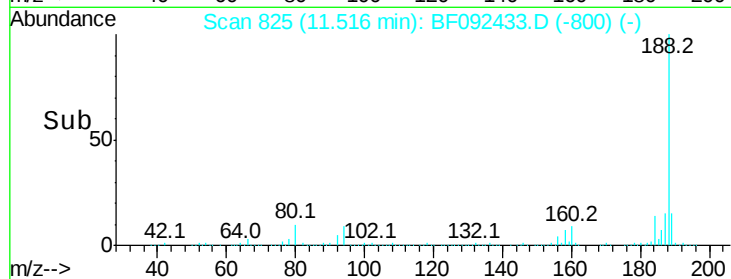
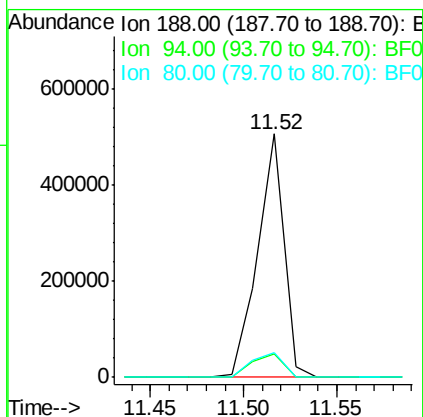
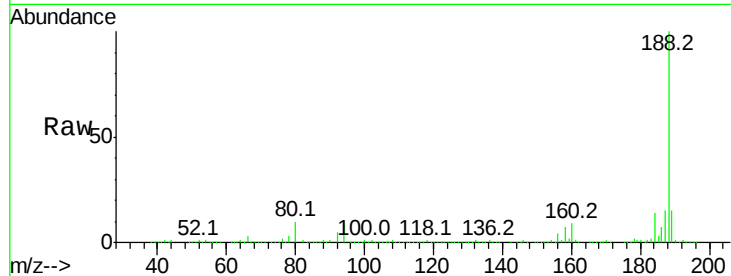
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL1-0-5FT-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	493075		
94	9.4	10.0	15.0#	
80	9.9	11.2	16.8#	

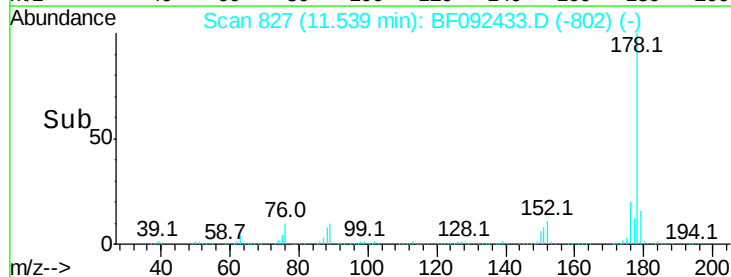
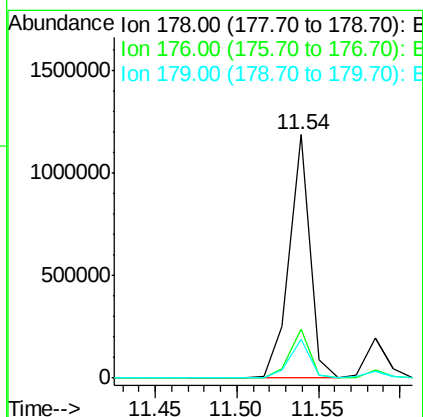
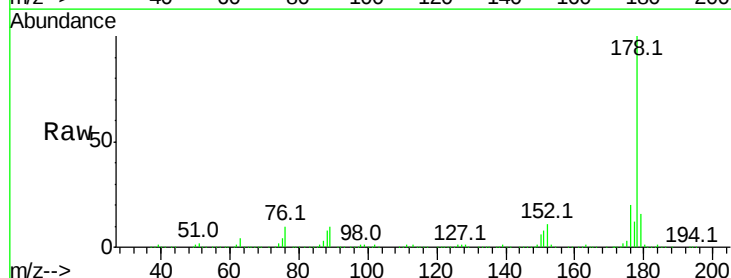
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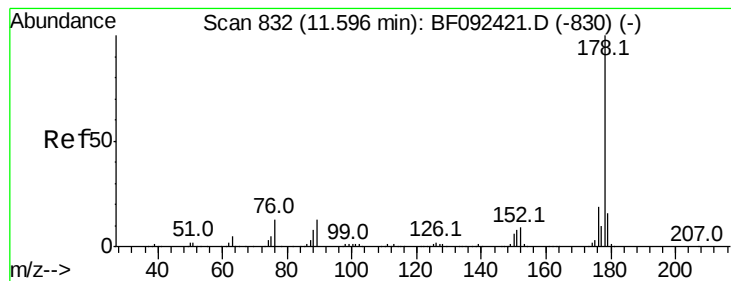
mohammad
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#70
Phenanthrene
Concen: 39.04 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1059981		
176	20.4	16.6	25.0	
179	15.8	12.8	19.2	





#71

Anthracene

Concen: 6.68 ng

RT: 11.58 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF092433.D

Acq: 24 Jan 2017 17:14

Instrument :

BNA_F

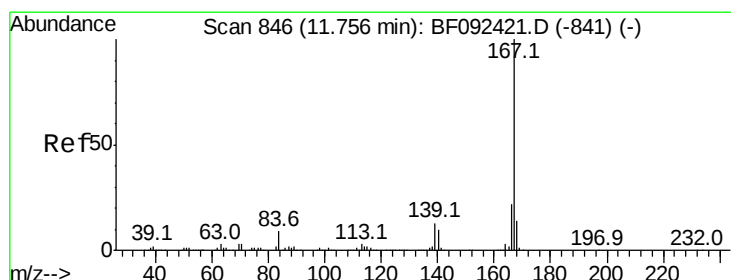
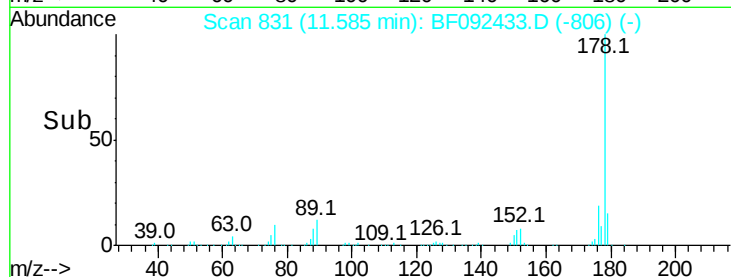
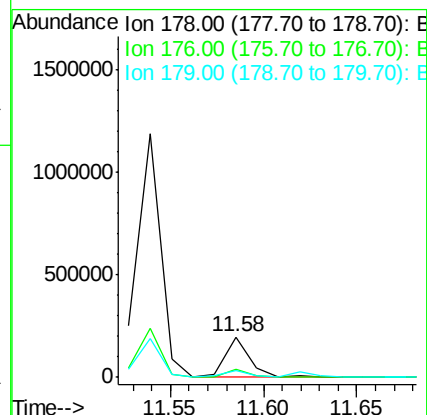
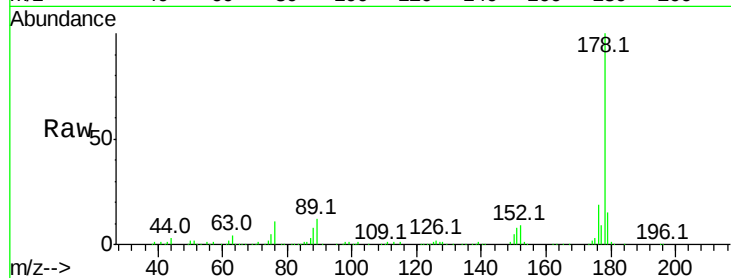
ClientSampleId :

BLACK-FILL1-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	15.4	13.2	19.8

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#72

Carbazole

Concen: 2.85 ng

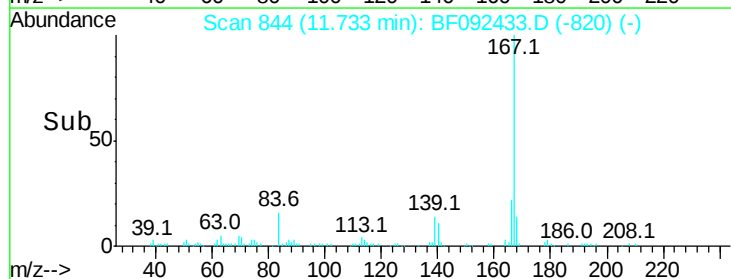
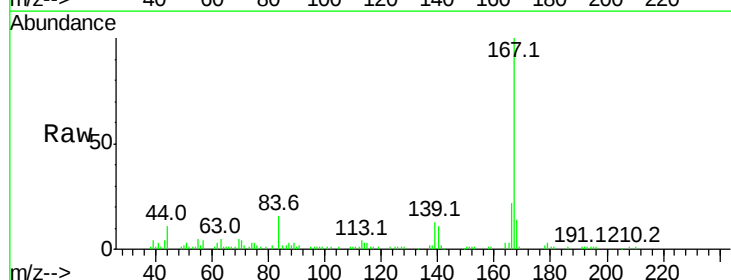
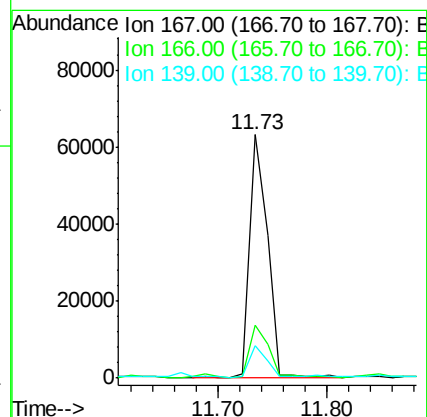
RT: 11.73 min Scan# 844

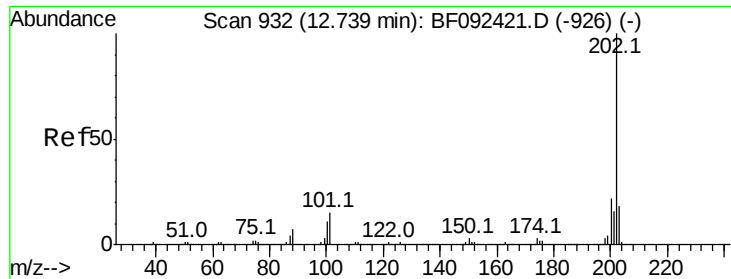
Delta R.T. -0.02 min

Lab File: BF092433.D

Acq: 24 Jan 2017 17:14

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.2	27.2
139	13.4	11.4	17.2





#74

Fluoranthene

Concen: 28.31 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092433.D

Acq: 24 Jan 2017 17:14

Instrument :

BNA_F

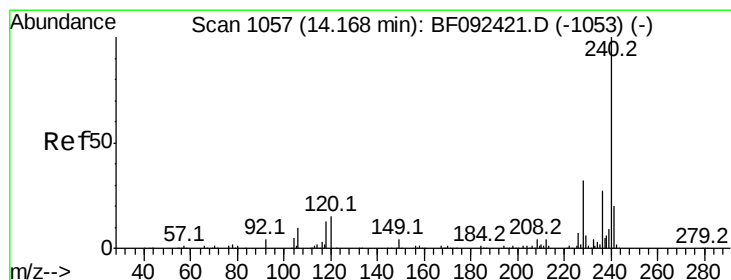
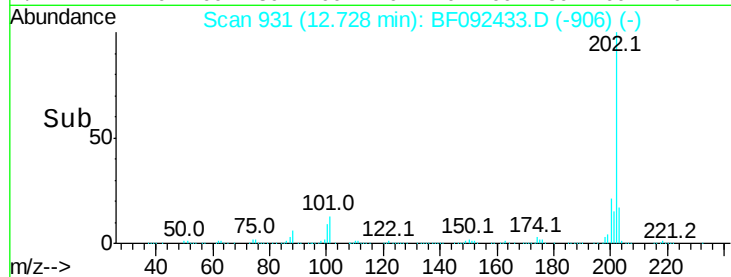
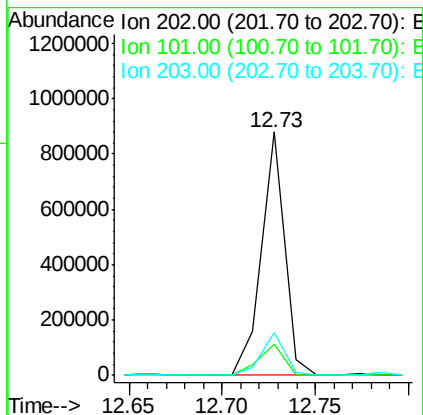
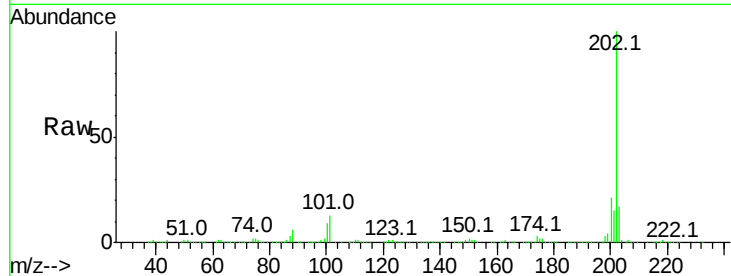
ClientSampleId :

BLACK-FILL1-0-5FT-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	751985		
101	12.8		0.0	34.6
203	17.4		0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

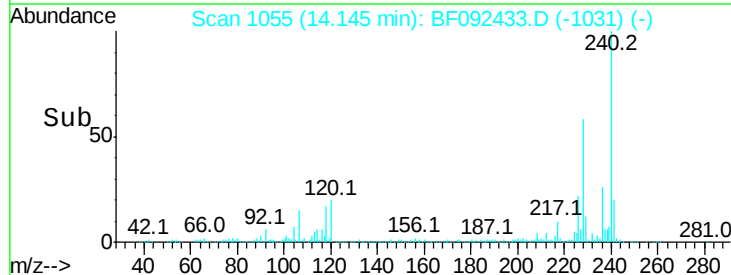
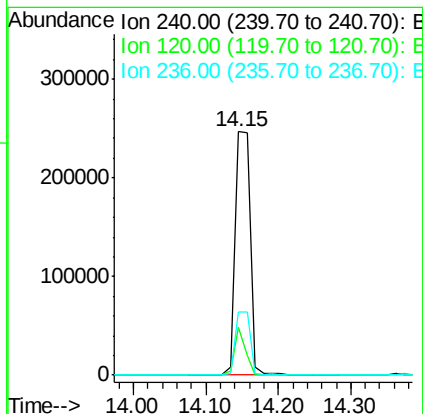
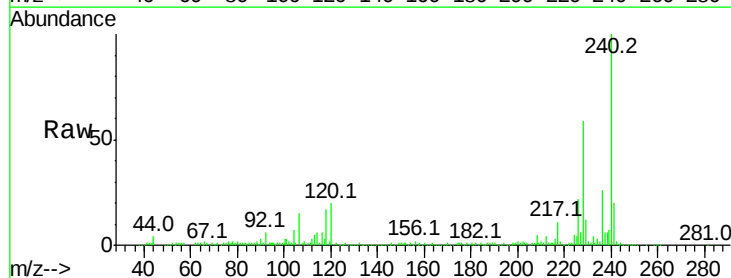
RT: 14.15 min Scan# 1055

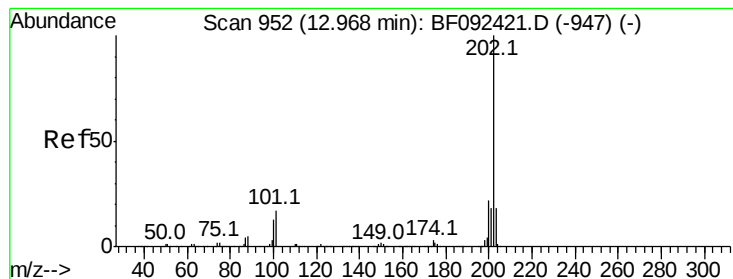
Delta R.T. -0.02 min

Lab File: BF092433.D

Acq: 24 Jan 2017 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	356462		
120	19.7		12.9	19.3#
236	26.0		20.9	31.3





#77

Pvrene

Concen: 24.82 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF092433.D

Acq: 24 Jan 2017 17:14

Instrument :

BNA_F

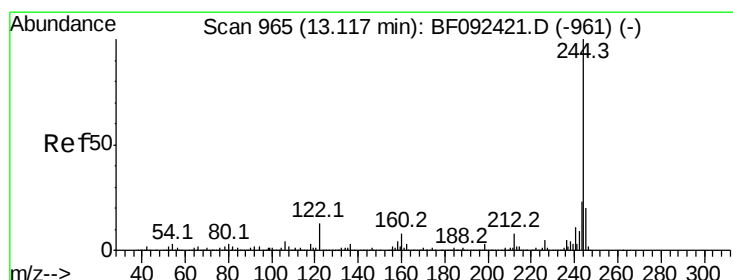
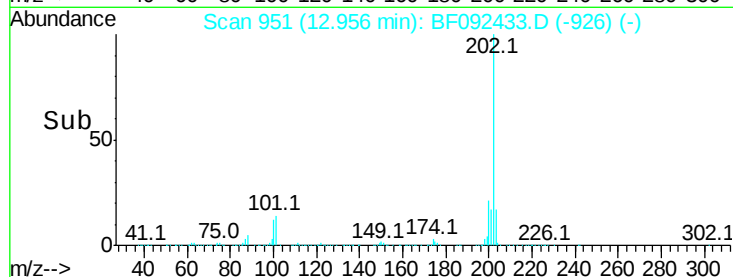
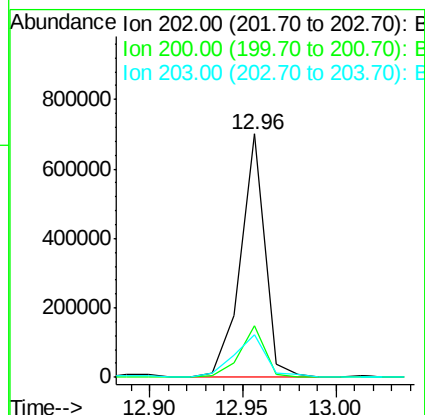
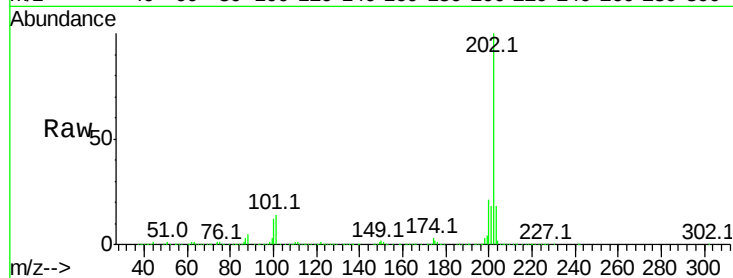
ClientSampleId :

BLACK-FILL1-0-5FT-COMP

Tot Ion:	202	Resp:	641153
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	17.7	14.7	22.1

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#78

Terphenyl-d14

Concen: 75.28 ng

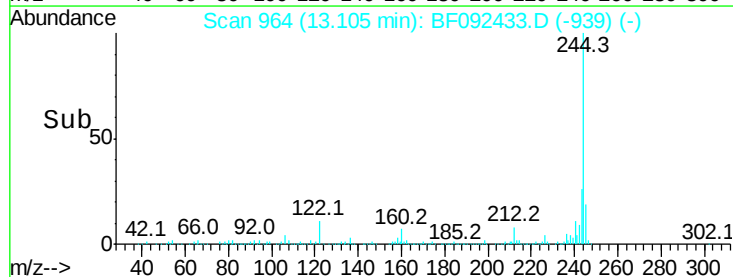
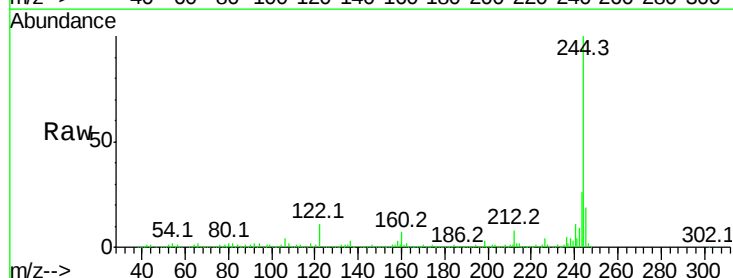
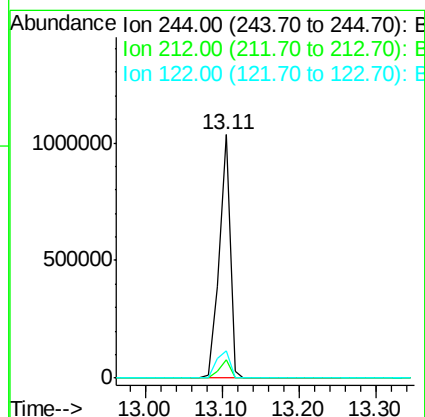
RT: 13.11 min Scan# 964

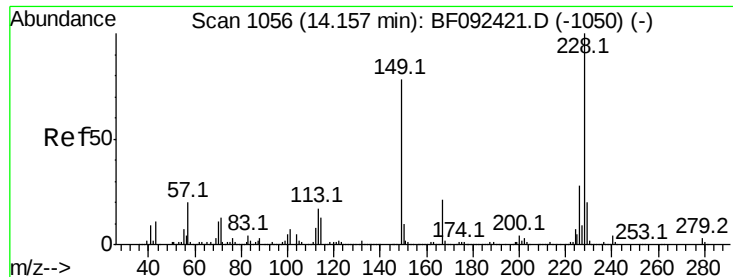
Delta R.T. -0.01 min

Lab File: BF092433.D

Acq: 24 Jan 2017 17:14

Tgt Ion:	244	Resp:	1007735
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.2	9.2
122	11.0	11.4	17.2#





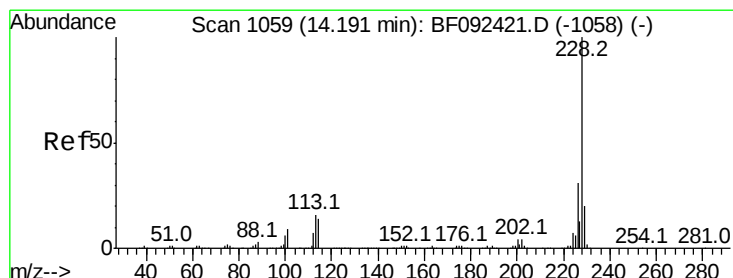
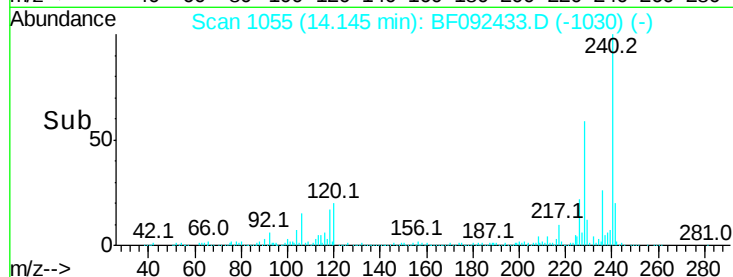
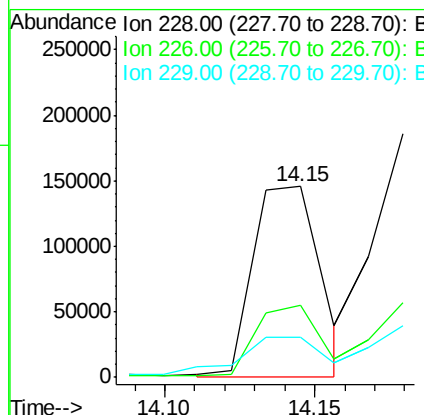
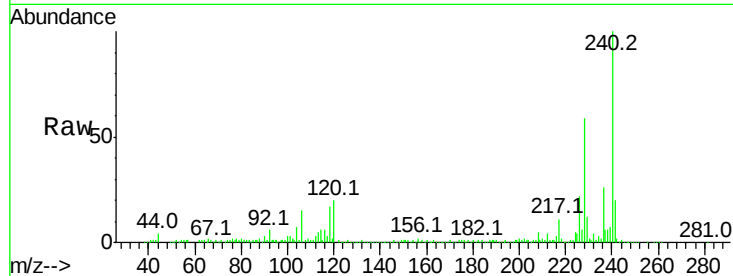
#80
 Benzo(a)anthracene
 Concen: 11.91 ng
 RT: 14.15 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BF092433.D
 Acq: 24 Jan 2017 17:14

Instrument :
 BNA_F
 ClientSampleId :
 BLACK-FILL1-0-5FT-COMP

Tot Ion:	228	Resp:	228185
Ion Ratio	Lower	Upper	
228	100		
226	37.9	22.4	33.6#
229	21.0	16.2	24.4

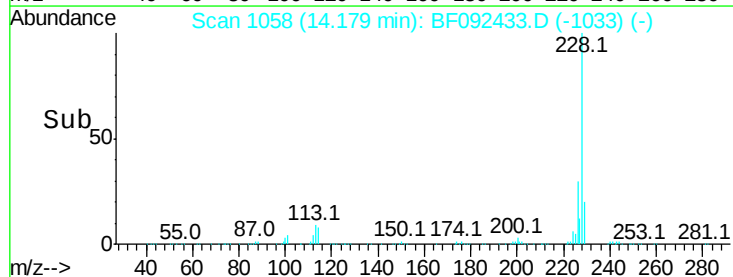
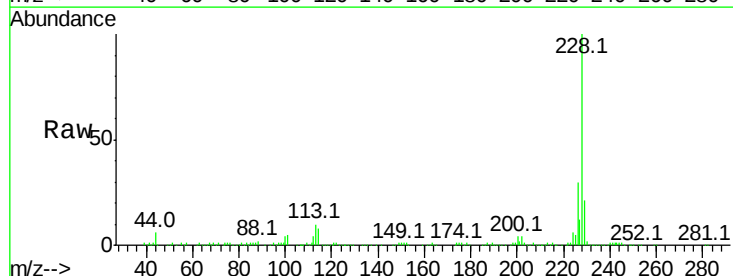
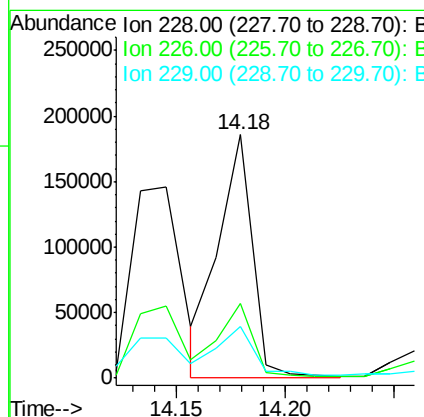
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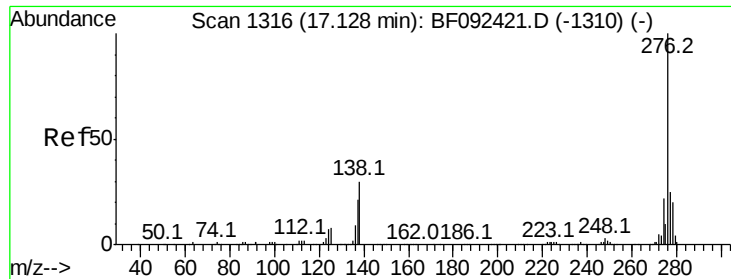
mohammad
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#82
 Chrysene
 Concen: 9.78 ng
 RT: 14.18 min Scan# 1058
 Delta R.T. -0.01 min
 Lab File: BF092433.D
 Acq: 24 Jan 2017 17:14

Tgt Ion:	228	Resp:	200037
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.4	38.0
229	21.4	16.2	24.2





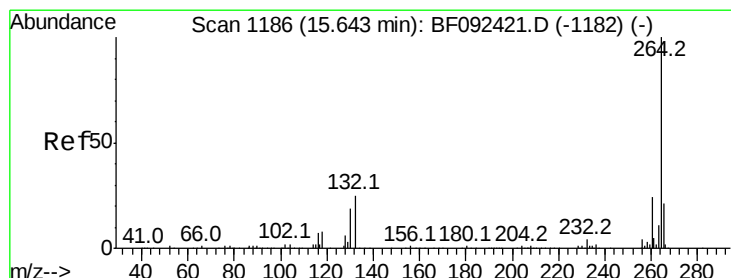
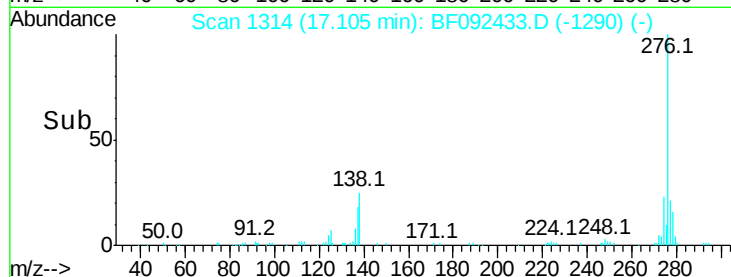
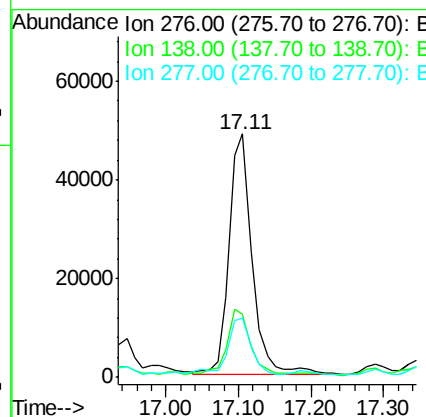
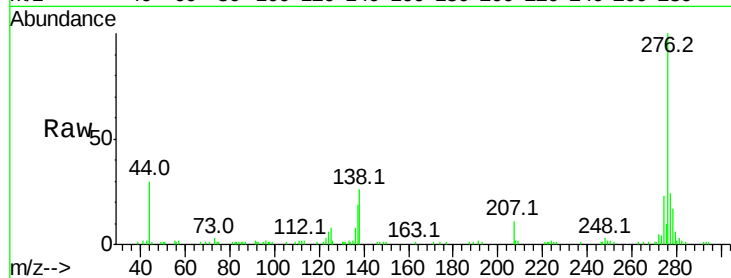
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.16 ng
RT: 17.11 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL1-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.8	32.6
277	24.7	20.2	30.4

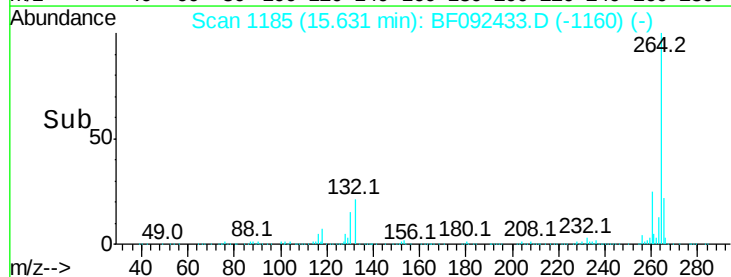
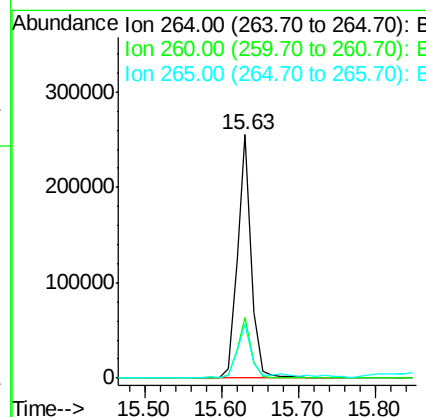
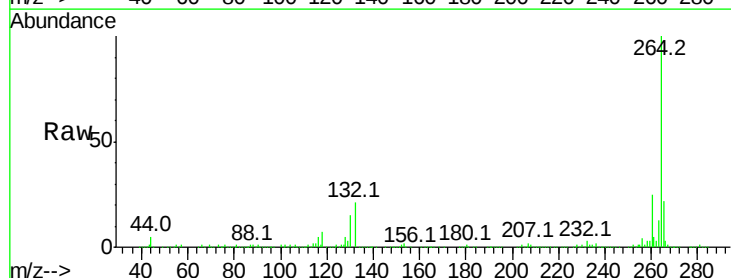
Manual Integrations
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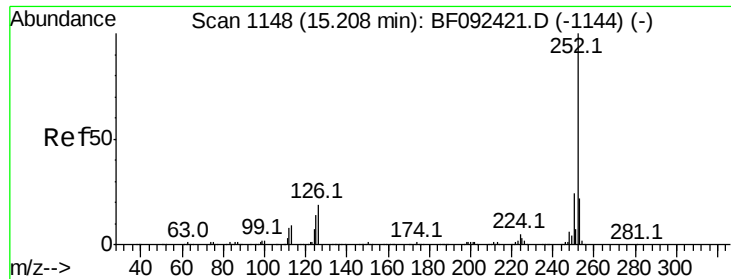
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.5	17.4	26.0





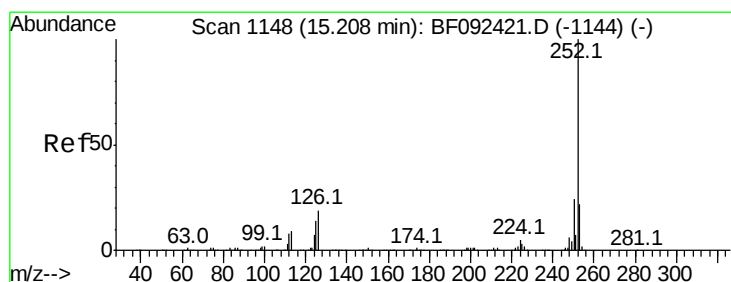
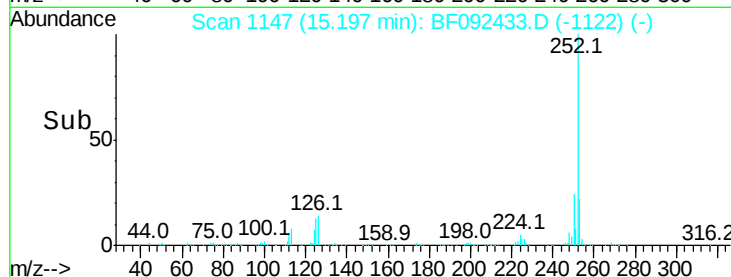
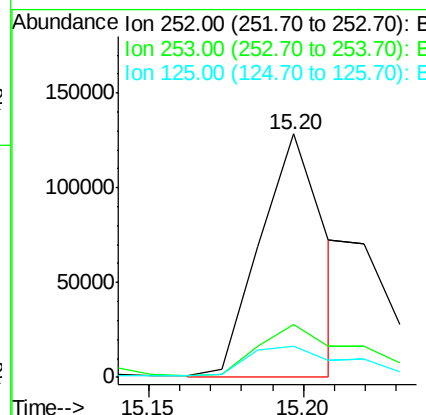
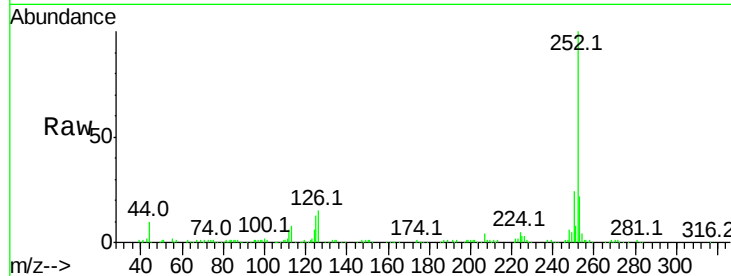
#87
Benzo(b)fluoranthene
Concen: 8.92 ng m
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL1-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	13.0	9.8	14.6

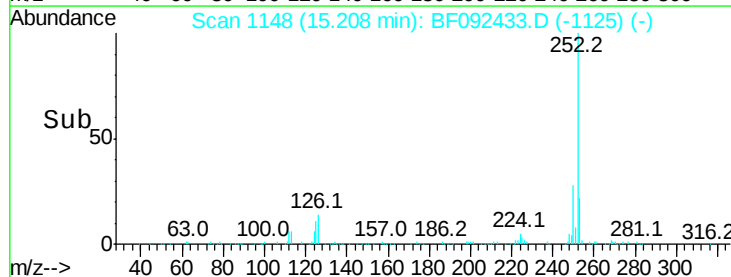
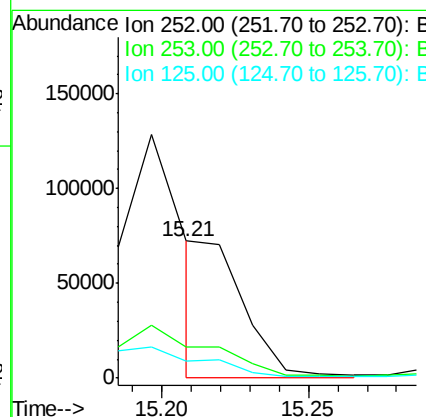
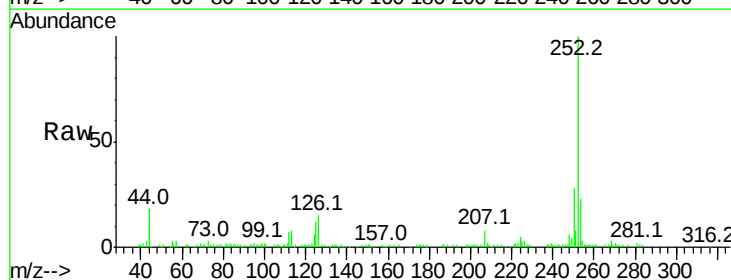
Manual Integrations
APPROVED

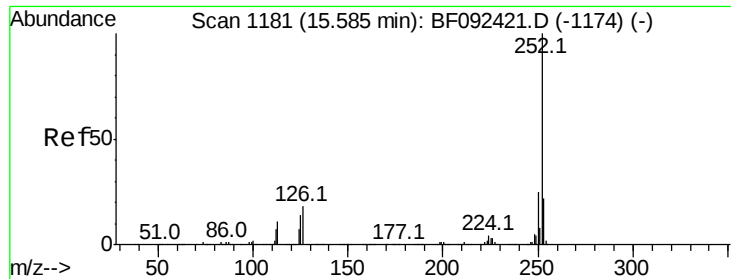
mohammad
1/25/2017 3:49:38 PM



#88
Benzo(k)fluoranthene
Concen: 4.17 ng m
RT: 15.21 min Scan# 1148
Delta R.T. -0.03 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	12.2	8.9	13.3





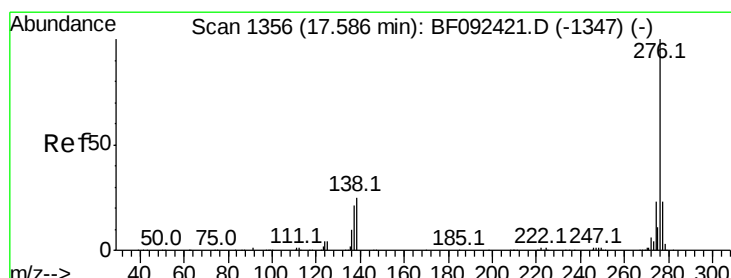
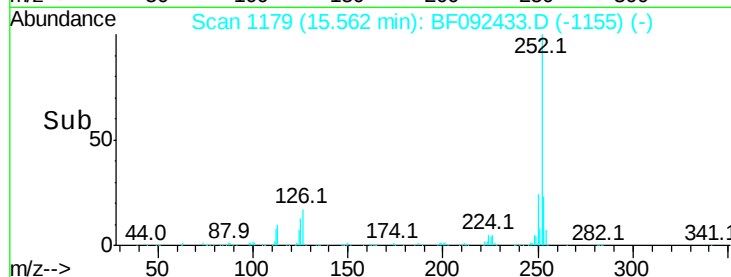
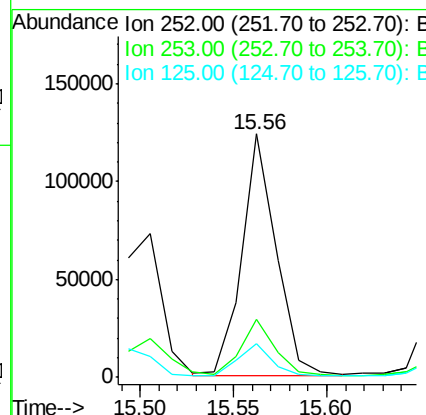
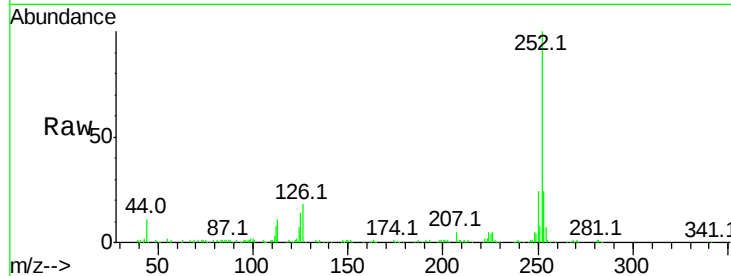
#89
Benzo(a)pyrene
Concen: 8.97 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL1-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	13.7	10.0	15.0

Manual Integrations
APPROVED

mohammad
1/25/2017 3:49:38 PM



#91
Benzo(g,h,i)perylene
Concen: 7.57 ng
RT: 17.55 min Scan# 1353
Delta R.T. -0.03 min
Lab File: BF092433.D
Acq: 24 Jan 2017 17:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.2	28.8
138	25.6	16.0	24.0

