

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
 Data File : BF092379.D
 Acq On : 20 Jan 2017 18:16
 Operator : UM/SJ
 Sample : I1265-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3

Manual Integrations
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mohammad
 1/23/2017 2:45:01 PM

Quant Time: Jan 20 23:26:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 20 22:22:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	123557	20.00	ng	0.00
21) Naphthalene-d8	7.81	136	745589	20.00	ng	0.00
38) Acenaphthene-d10	9.56	164	323337	20.00	ng	0.00
63) Phenanthrene-d10	11.03	188	427906	20.00	ng	0.00
75) Chrysene-d12	13.66	240	318253	20.00	ng	0.00
86) Perylene-d12	15.02	264	226976	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	1146495	154.94	ng	0.01
7) Phenol-d6	6.20	99	1474217	163.18	ng	0.01
23) Nitrobenzene-d5	7.10	82	844105	62.95	ng	0.00
41) 2,4,6-Tribromophenol	10.35	330	265246	99.13	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	1701546	111.91	ng	0.00
78) Terphenyl-d14	12.62	244	1064270	81.10	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.21	94	50947	4.95	ng	79
31) Naphthalene	7.83	128	136688	4.01	ng	97
37) 2-Methylnaphthalene	8.53	142	79074	2.52	ng	96
48) Acenaphthylene	9.42	152	139657	5.18	ng	98
49) Dimethylphthalate	9.30	163	304821	14.74	ng	99
51) Acenaphthene	9.59	154	55908	3.06	ng	97
54) Dibenzofuran	9.76	168	97970	3.97	ng	92
57) Fluorene	10.11	166	147339	8.20	ng	96
70) Phenanthrene	11.06	178	785698	33.86	ng	98
71) Anthracene	11.11	178	262273	9.69	ng	97
72) Carbazole	11.27	167	86650	3.30	ng	99
74) Fluoranthene	12.25	202	959457	47.33	ng	94
77) Pvrene	12.46	202	918005	39.31	ng	96
80) Benzo(a)anthracene	13.66	228	465749	25.93	ng	# 91
82) Chrysene	13.70	228	370741m	20.57	ng	
85) Indeno(1,2,3-cd)pyrene	16.25	276	160771	10.30	ng	94
87) Benzo(b)fluoranthene	14.67	252	428193m	30.30	ng	
88) Benzo(k)fluoranthene	14.68	252	120972m	10.04	ng	
89) Benzo(a)pvrene	14.98	252	285352	22.75	ng	96
90) Dibenzo(a,h)anthracene	16.25	278	38877	3.77	ng	# 74
91) Benzo(g,h,i)perylene	16.61	276	155828	14.54	ng	# 93

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

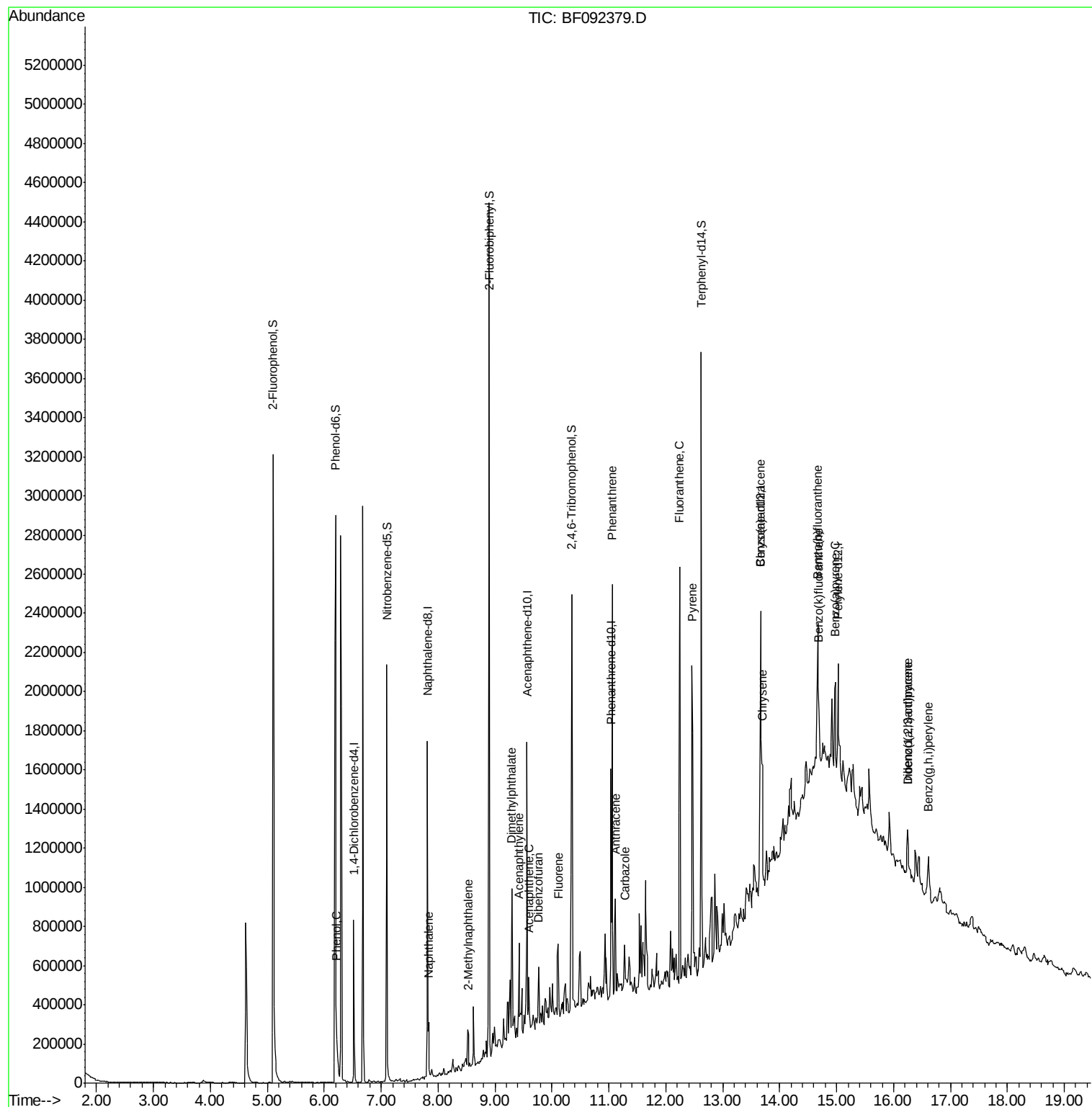
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092379.D
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Sample : I1265-04
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ALS Vial : 15 Sample Multiplier: 1

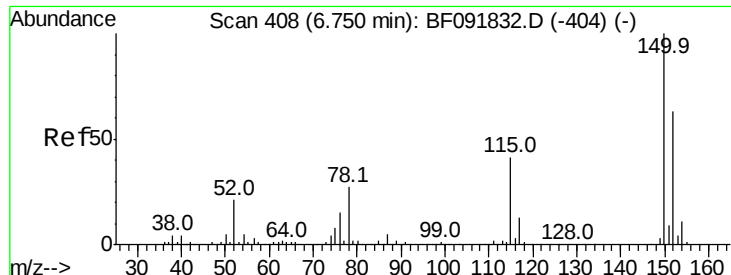
Instrument :
BNA_F
ClientSampleId :
B-3

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Quant Time: Jan 20 23:26:34 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

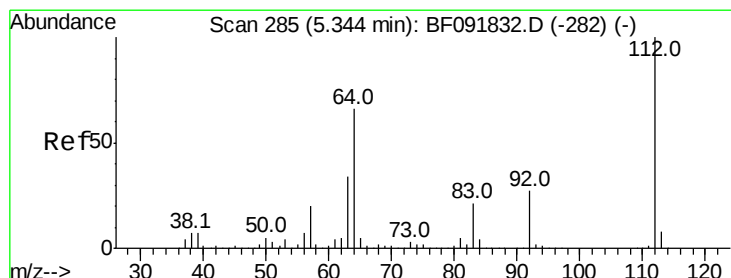
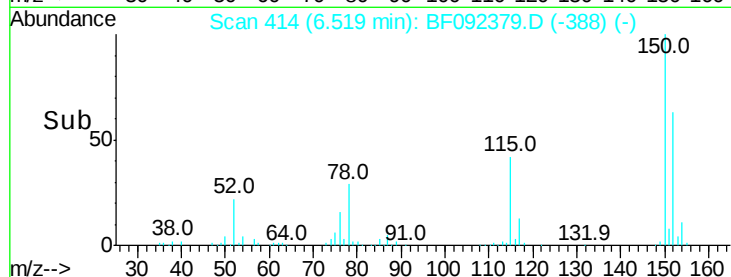
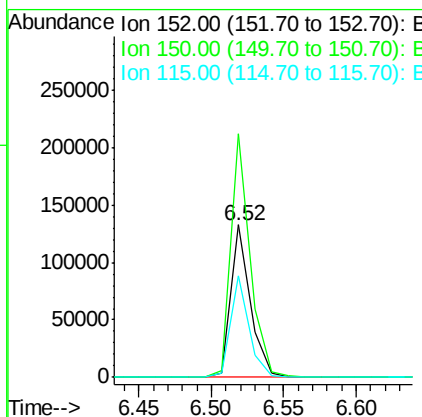
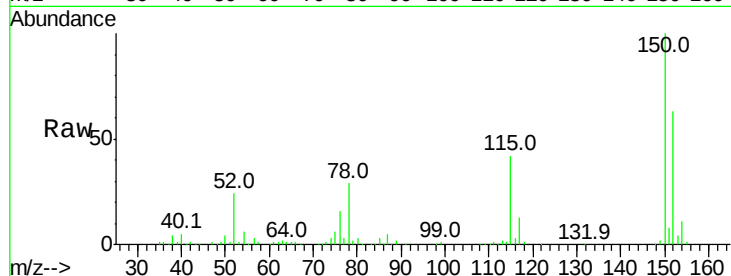
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 414
Delta R.T. -0.00 min
Lab File: BF092379.D
Acq: 20 Jan 2017 18:16

Instrument :
BNA_F
ClientSampled :
B-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.9	187.3
115	66.4	46.0	69.0

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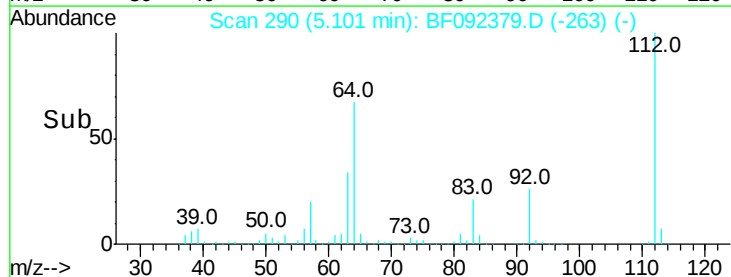
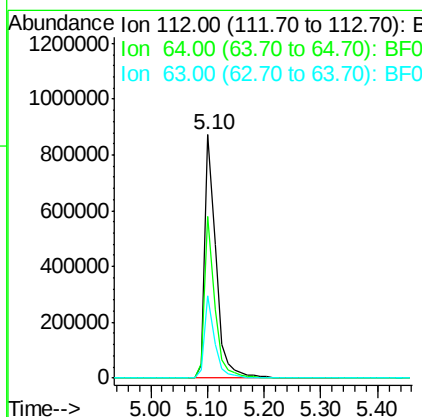
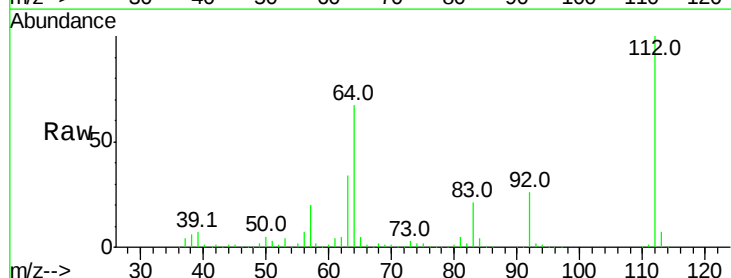
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#5

2-Fluorophenol
Concen: 154.94 ng
RT: 5.10 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF092379.D
Acq: 20 Jan 2017 18:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	46.1	69.1
63	34.1	23.8	35.6





#7

Phenol-d6

Concen: 163.18 ng

RT: 6.20 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Instrument :

BNA_F

ClientSampled :

B-3

Tot Ion: 99 Resp: 1474217

Ion Ratio Lower Upper

99 100

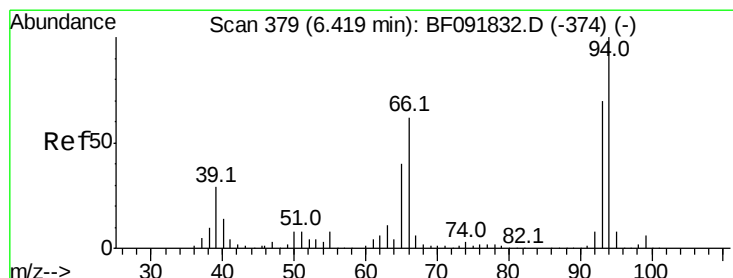
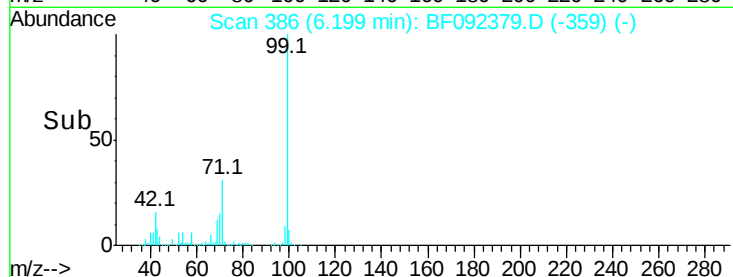
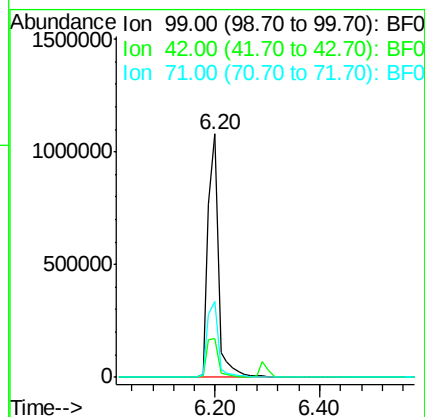
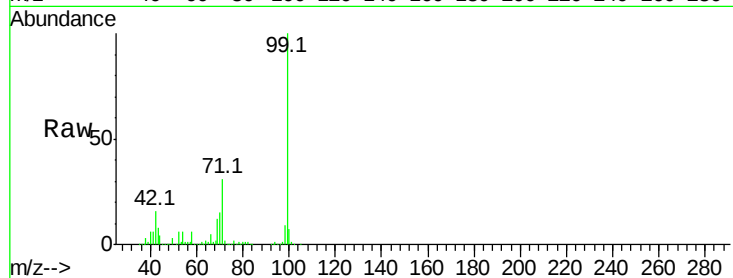
42 15.7 15.6 23.4

71 31.0 27.5 41.3

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#10

Phenol

Concen: 4.95 ng

RT: 6.21 min Scan# 387

Delta R.T. 0.01 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

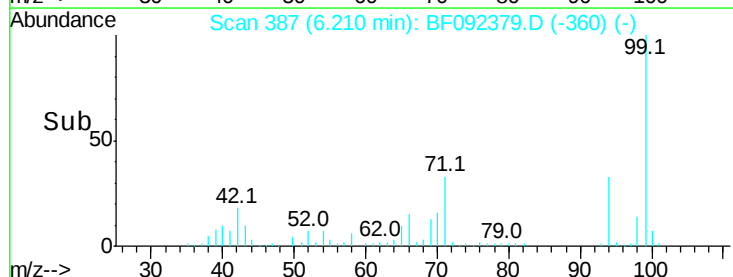
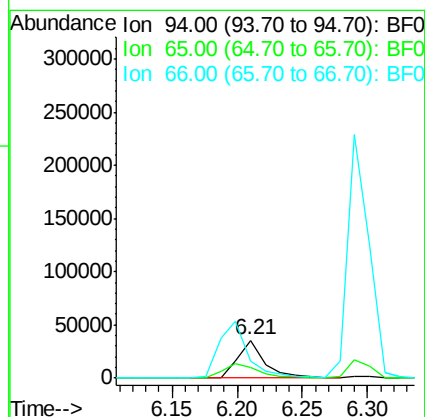
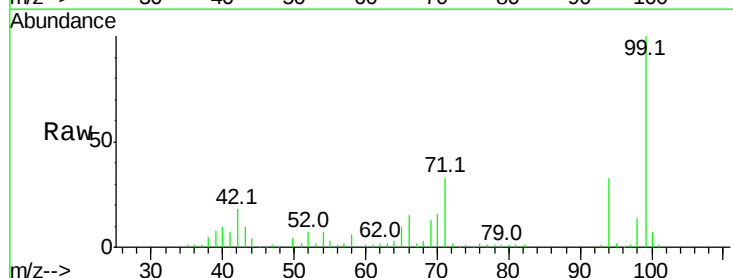
Tgt Ion: 94 Resp: 50947

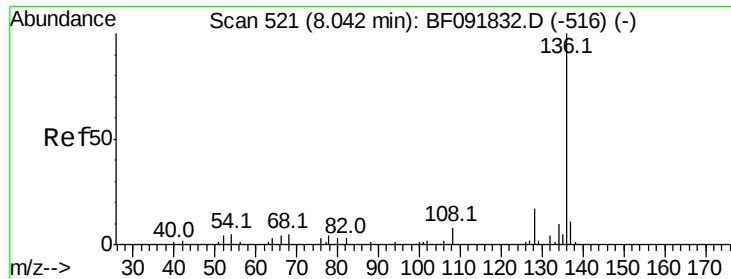
Ion Ratio Lower Upper

94 100

65 29.8 21.4 61.4

66 46.1 44.0 84.0





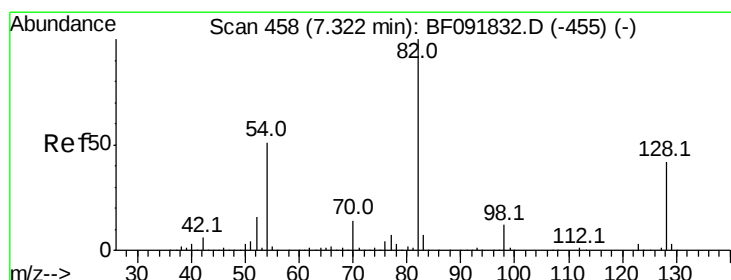
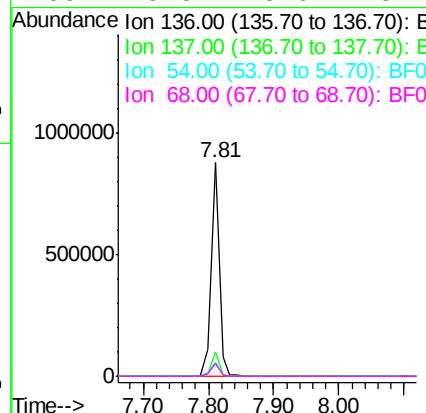
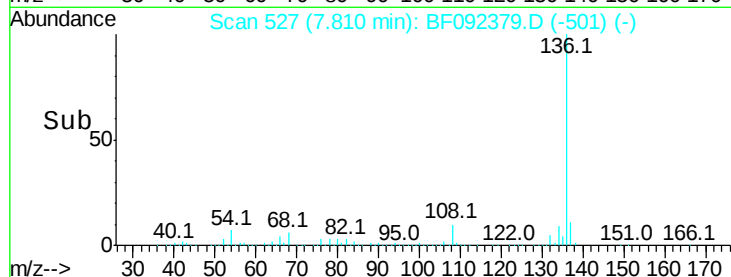
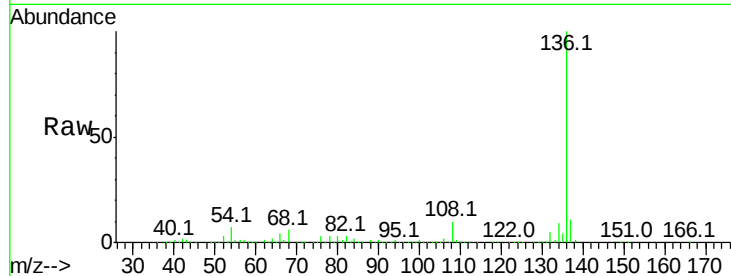
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF092379.D
Acq: 20 Jan 2017 18:16

Instrument :
BNA_F
ClientSampled :
B-3

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.4	12.6	
54	6.8	4.5	6.7#	
68	5.8	3.6	5.4#	

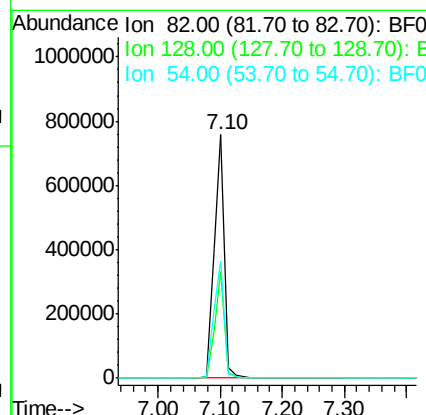
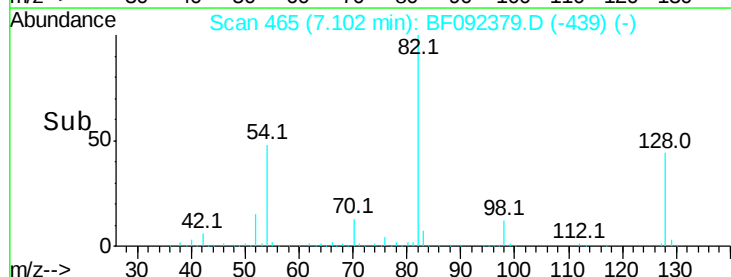
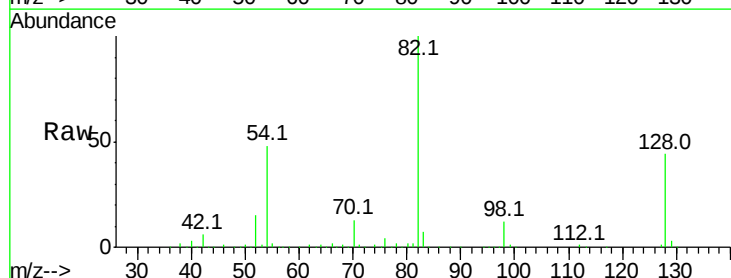
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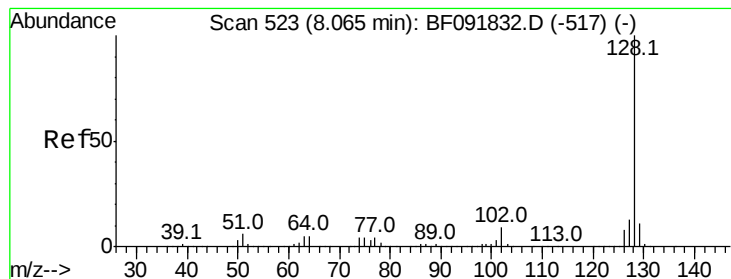
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#23
Nitrobenzene-d5
Concen: 62.95 ng
RT: 7.10 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF092379.D
Acq: 20 Jan 2017 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.0	34.6	52.0	
54	47.9	39.5	59.3	





#31

Naphthalene

Concen: 4.01 ng

RT: 7.83 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Instrument :

BNA_F

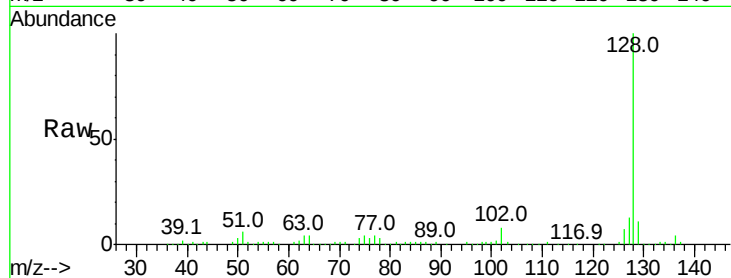
ClientSampleId :

B-3

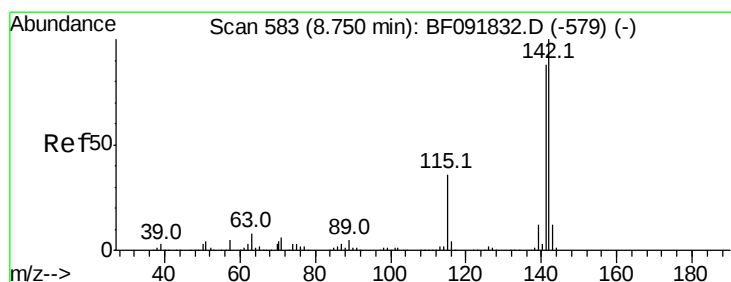
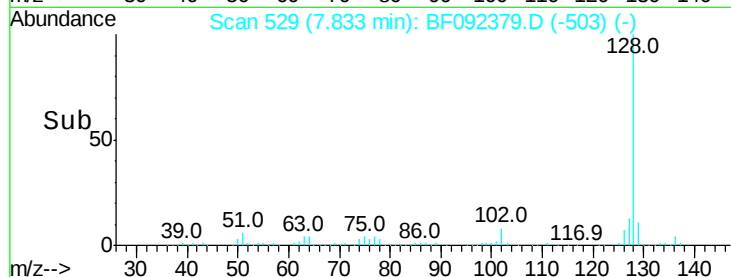
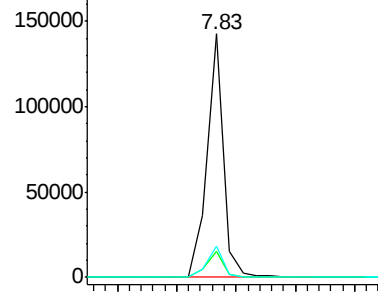
Tot Ion:	128	Resp:	136688
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.5	14.3
127	12.6	10.8	16.2

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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: 2.52 ng

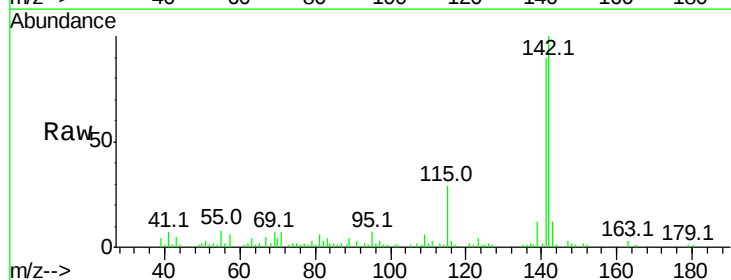
RT: 8.53 min Scan# 590

Delta R.T. 0.01 min

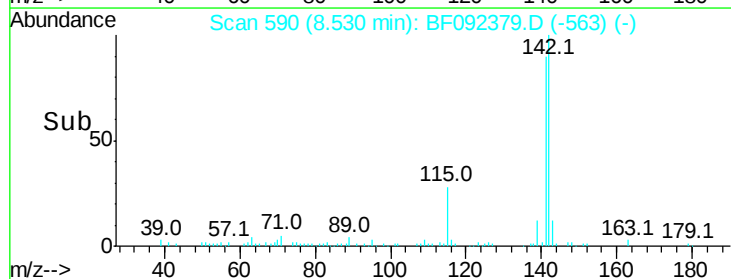
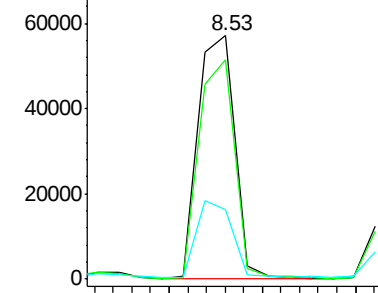
Lab File: BF092379.D

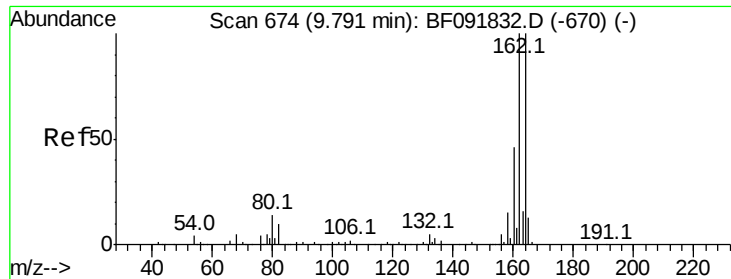
Acq: 20 Jan 2017 18:16

Tgt Ion:	142	Resp:	79074
Ion Ratio	Lower	Upper	
142	100		
141	90.2	71.0	106.6
115	28.7	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: 9.56 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Instrument :

BNA_F

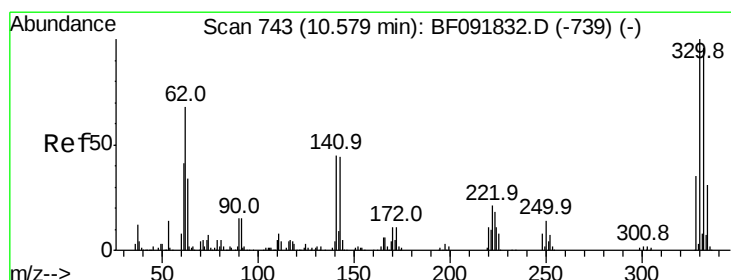
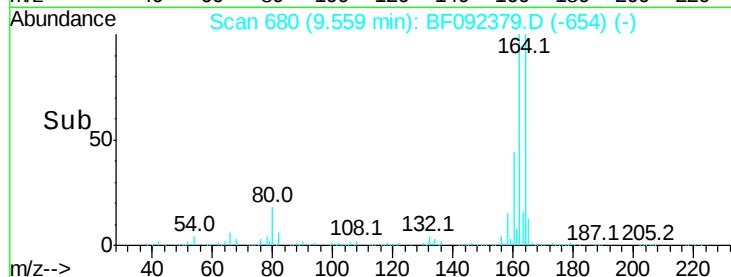
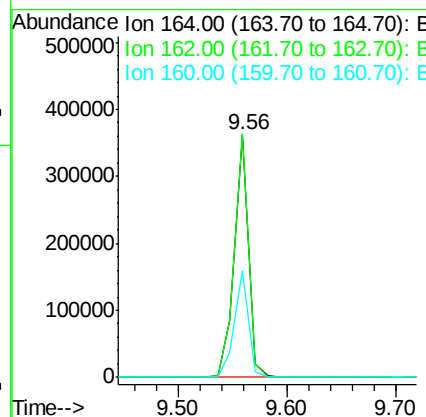
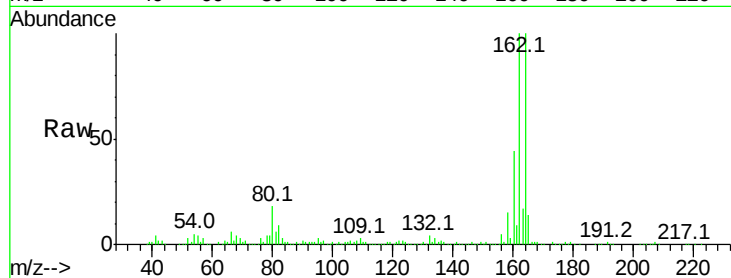
ClientSampled :

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Tot Ion:	164	Resp:	323337
Ion Ratio	Lower	Upper	
164	100		
162	100.4	80.2	120.2
160	43.9	36.9	55.3

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#41

2,4,6-Tribromophenol

Concen: 99.13 ng

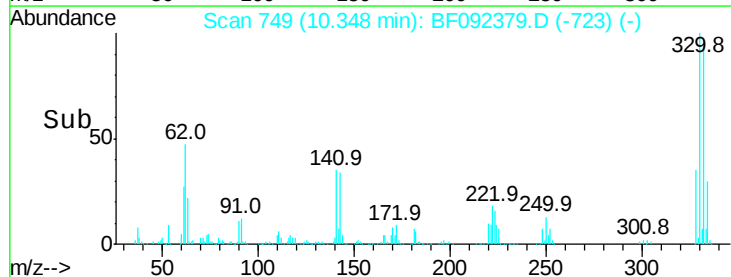
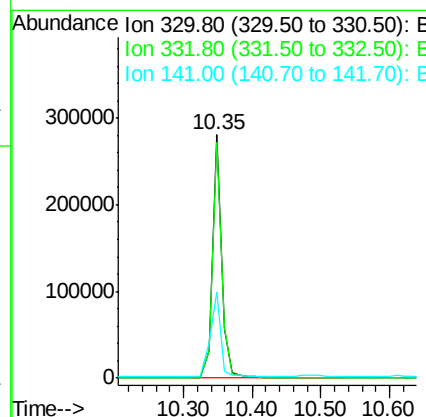
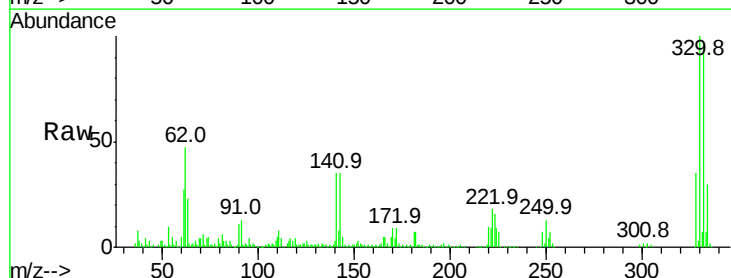
RT: 10.35 min Scan# 749

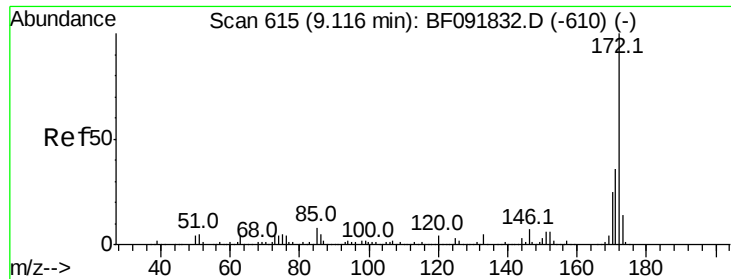
Delta R.T. -0.00 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Tgt Ion:	330	Resp:	265246
Ion Ratio	Lower	Upper	
330	100		
332	97.7	77.4	116.2
141	39.0	34.1	51.1





#44

2-Fluorobiphenyl

Concen: 111.91 ng

RT: 8.90 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:172 Resp: 1701546

Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.0

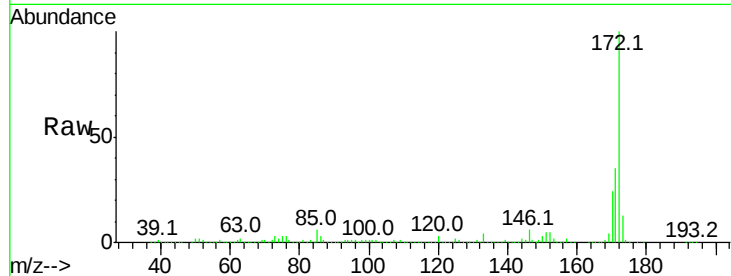
170 24.0 20.2 30.4

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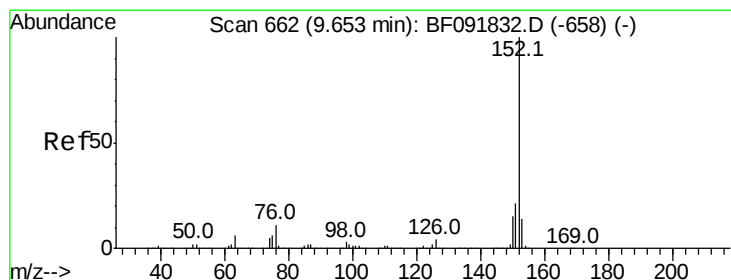
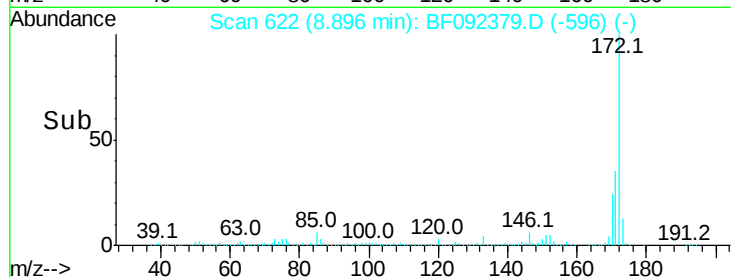
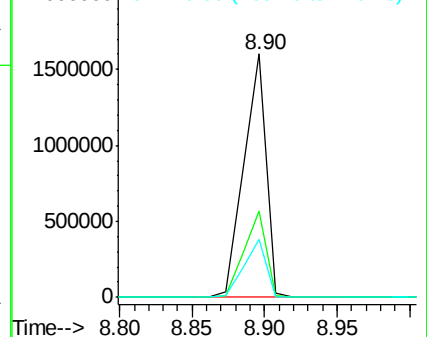
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#48

Acenaphthylene

Concen: 5.18 ng

RT: 9.42 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

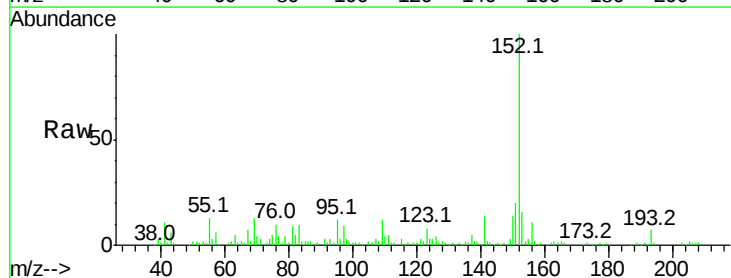
Tgt Ion:152 Resp: 139657

Ion Ratio Lower Upper

152 100

151 20.3 16.9 25.3

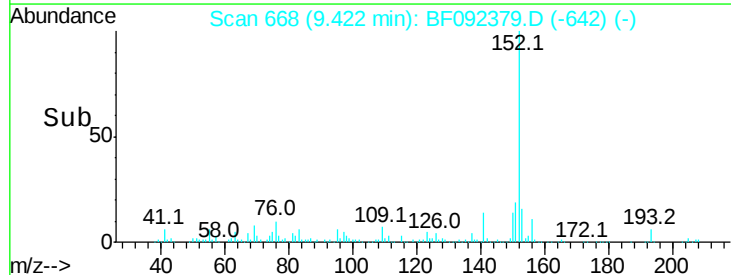
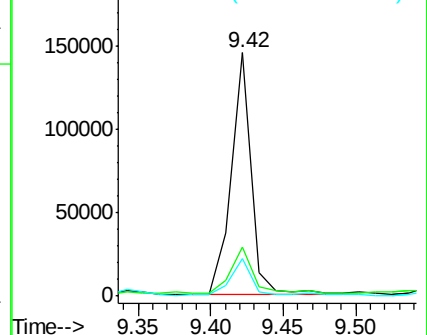
153 15.6 11.4 17.2

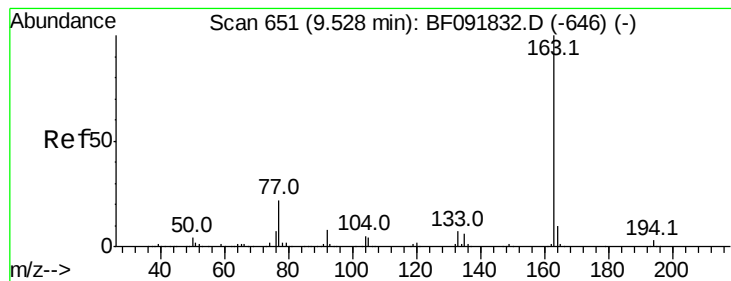


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 14.74 ng

RT: 9.30 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Instrument :

BNA_F

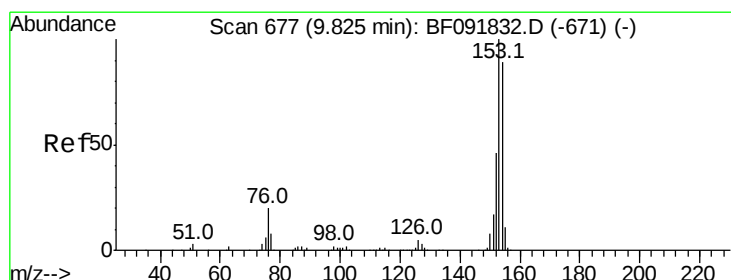
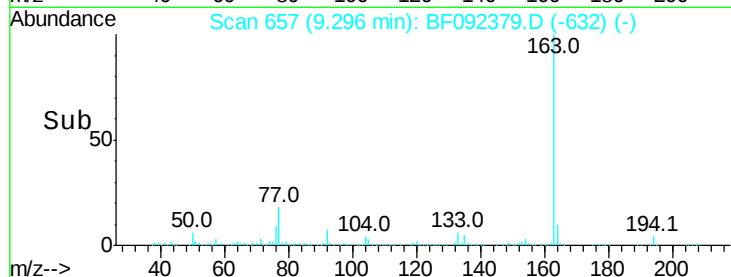
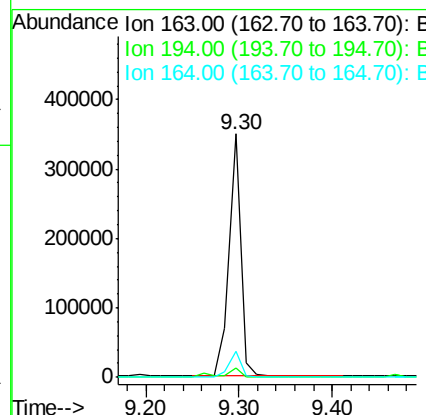
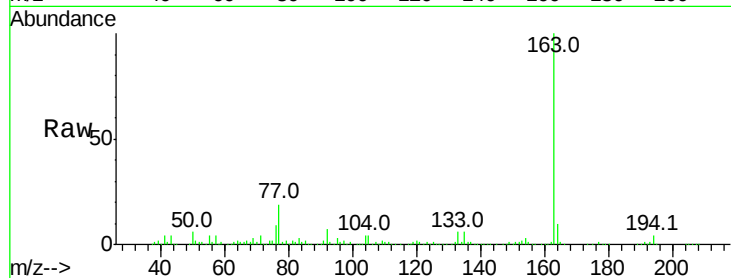
ClientSampleId :

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Tot Ion:	163	Resp:	304821
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.4
164	10.4	8.0	12.0

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#51

Acenaphthene

Concen: 3.06 ng

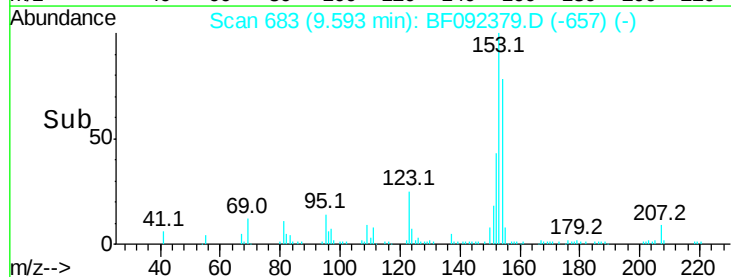
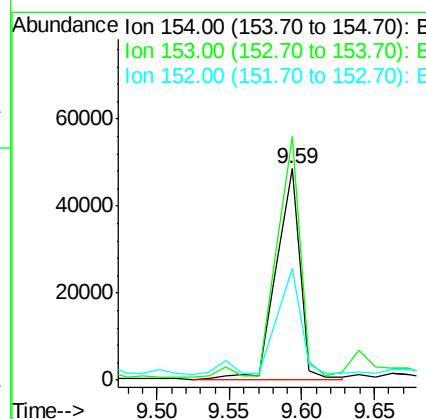
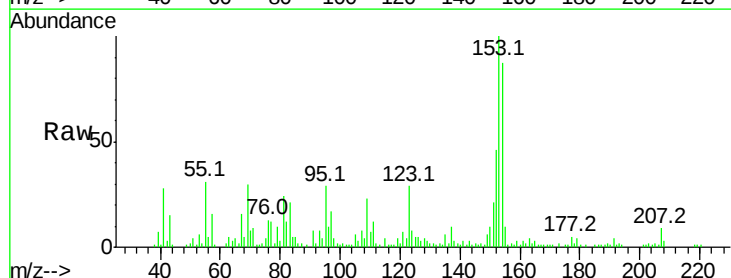
RT: 9.59 min Scan# 683

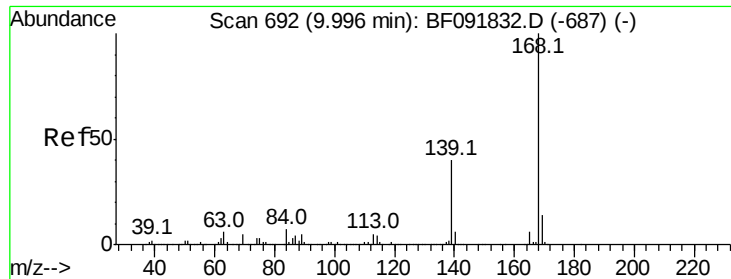
Delta R.T. -0.00 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Tgt Ion:	154	Resp:	55908
Ion Ratio	Lower	Upper	
154	100		
153	115.3	88.6	133.0
152	52.9	41.6	62.4





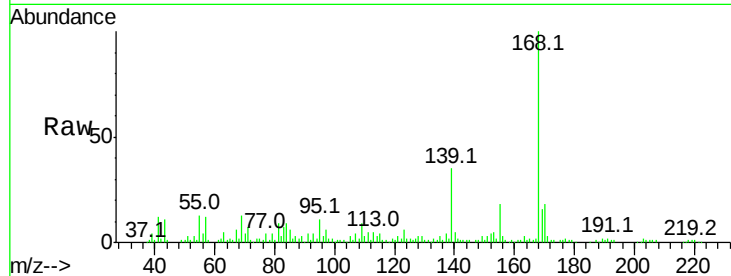
#54
Dibenzofuran
Concen: 3.97 ng
RT: 9.76 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF092379.D
Acq: 20 Jan 2017 18:16

Instrument :
BNA_F
ClientSampleId :
B-3

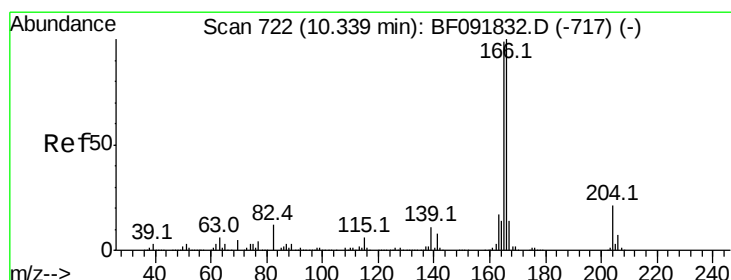
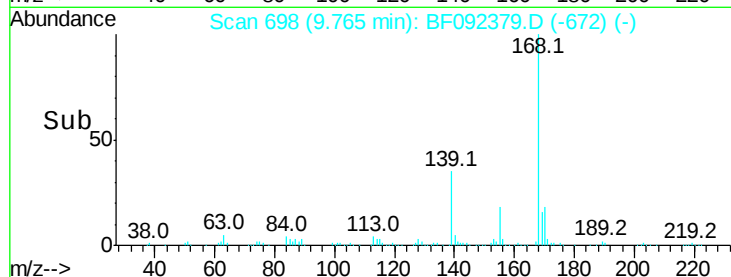
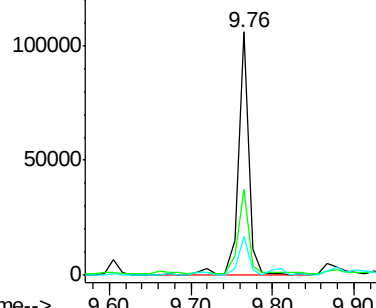
Tot Ion	Ratio	Lower	Upper
168	100		
139	35.1	32.6	49.0
169	15.8	11.3	16.9

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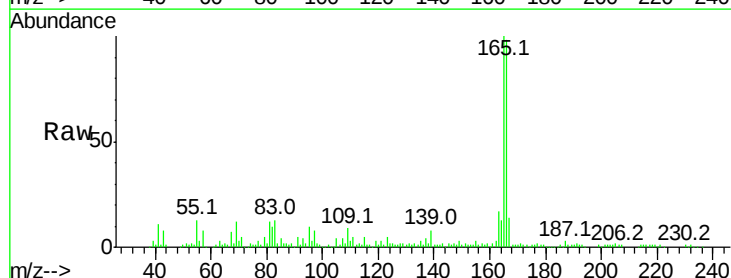


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

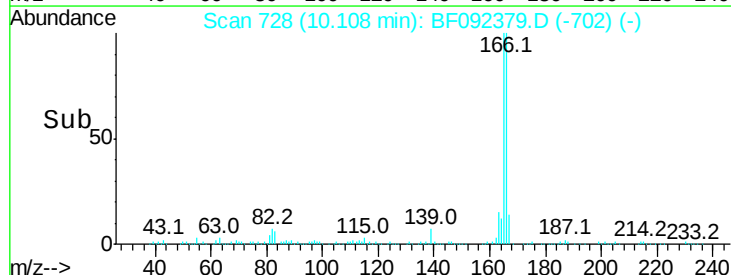
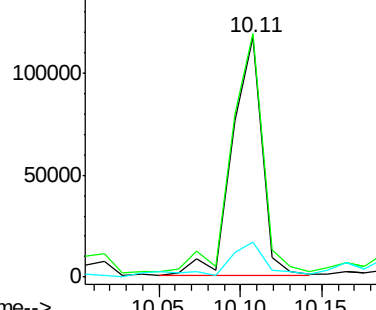


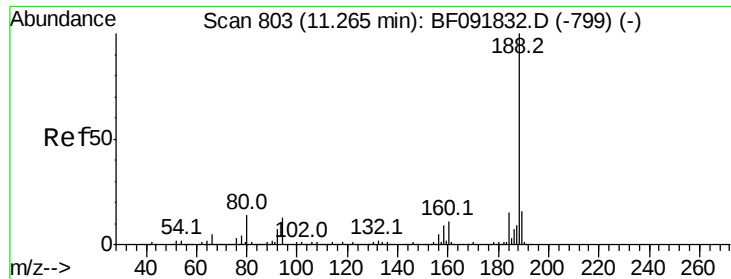
#57
Fluorene
Concen: 8.20 ng
RT: 10.11 min Scan# 728
Delta R.T. -0.00 min
Lab File: BF092379.D
Acq: 20 Jan 2017 18:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.6	77.8	116.8
167	14.4	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: 11.03 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Instrument :

BNA_F

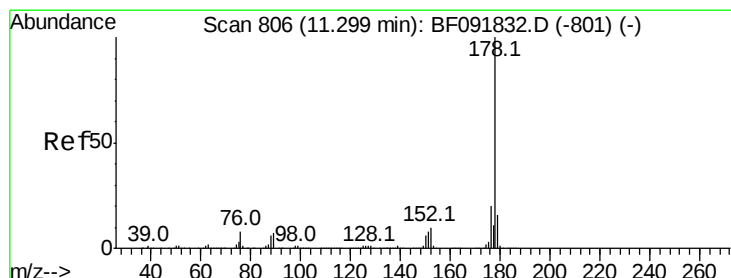
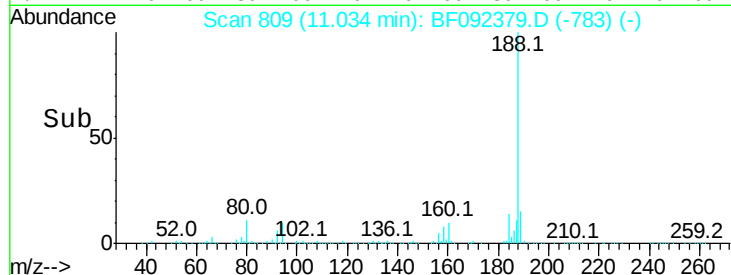
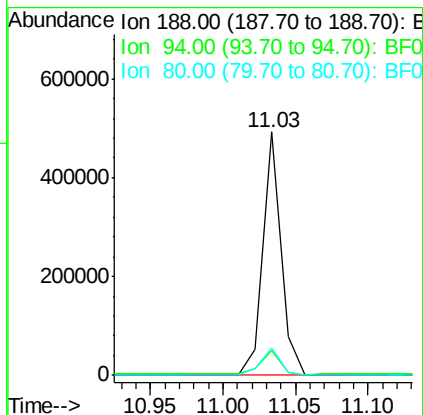
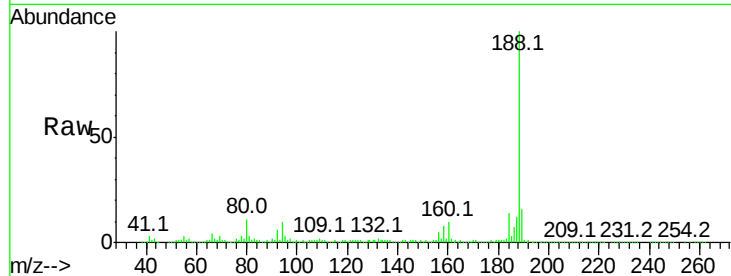
ClientSampleId :

B-3

Tot Ion:	188	Resp:	427906
Ion Ratio	Lower	Upper	
188	100		
94	10.4	10.0	15.0
80	11.3	11.2	16.8

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#70

Phenanthrene

Concen: 33.86 ng

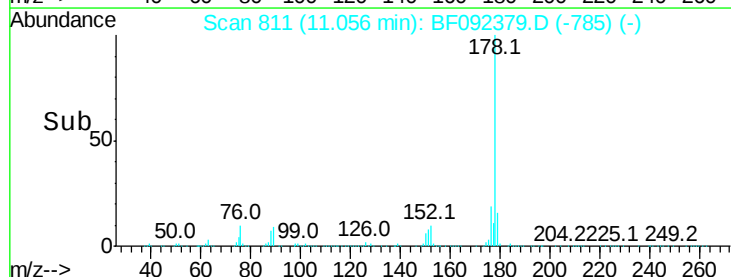
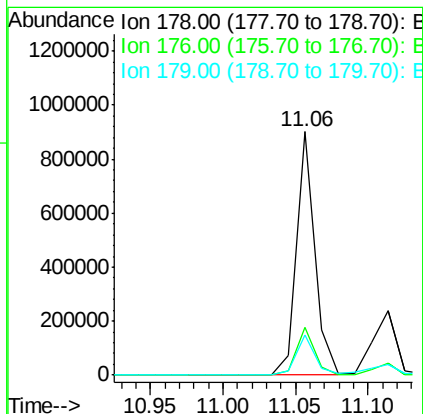
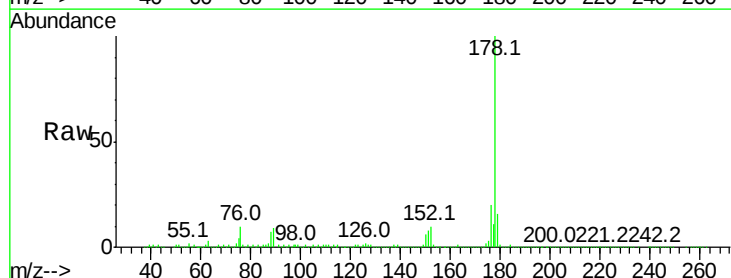
RT: 11.06 min Scan# 811

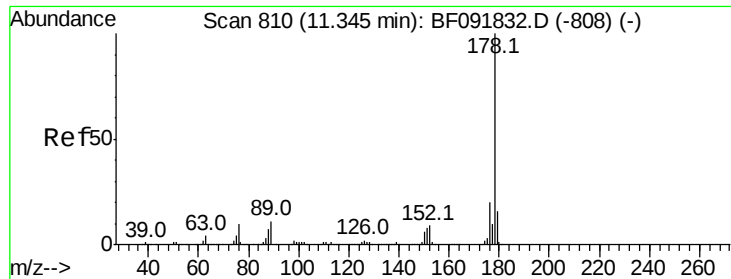
Delta R.T. -0.00 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Tgt Ion:	178	Resp:	785698
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.6	25.0
179	16.3	12.8	19.2





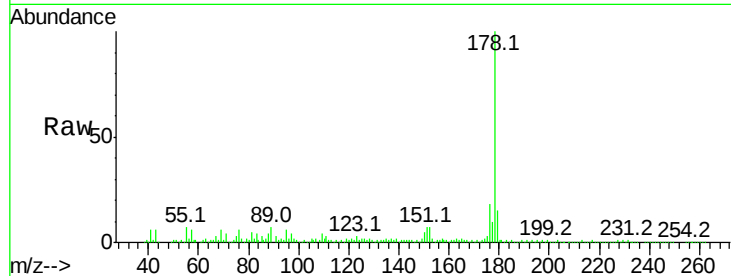
#71
 Anthracene
 Concen: 9.69 ng
 RT: 11.11 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BF092379.D
 Acq: 20 Jan 2017 18:16

Instrument :
 BNA_F
 ClientSampled :
 B-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	15.5	13.2	19.8

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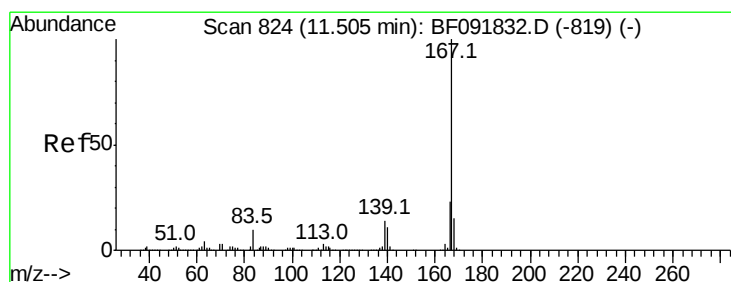
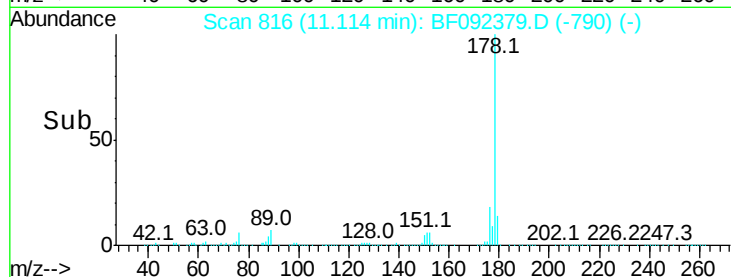
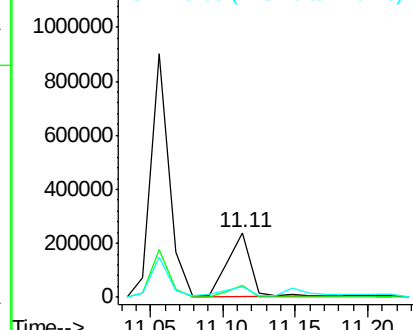


Abundance

Ion 178.00 (177.70 to 178.70): E

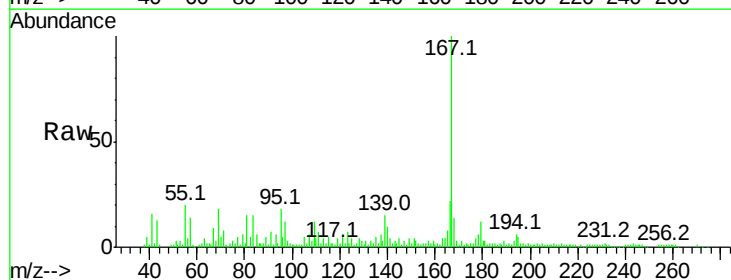
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 3.30 ng
 RT: 11.27 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF092379.D
 Acq: 20 Jan 2017 18:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.2	27.2
139	15.0	11.4	17.2

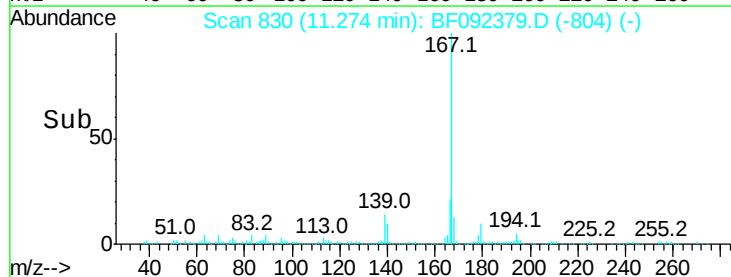
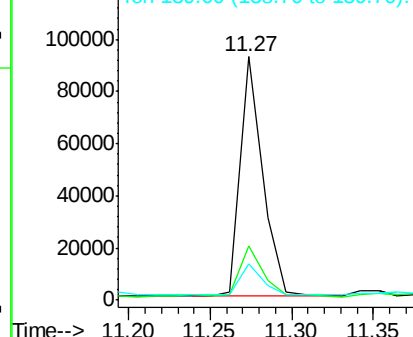


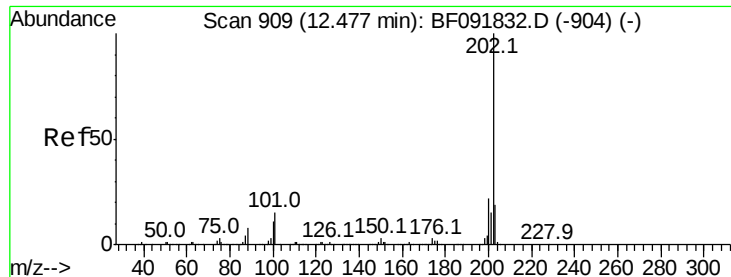
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 47.33 ng

RT: 12.25 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Instrument :

BNA_F

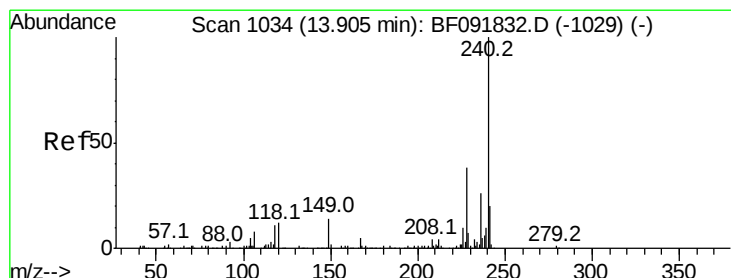
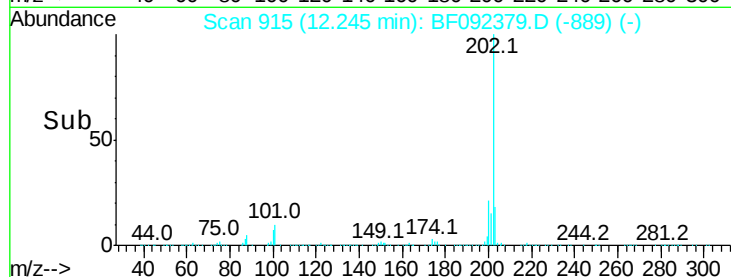
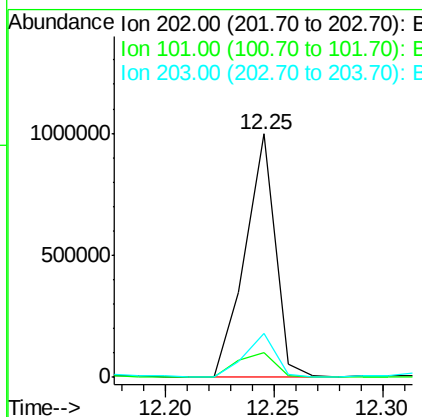
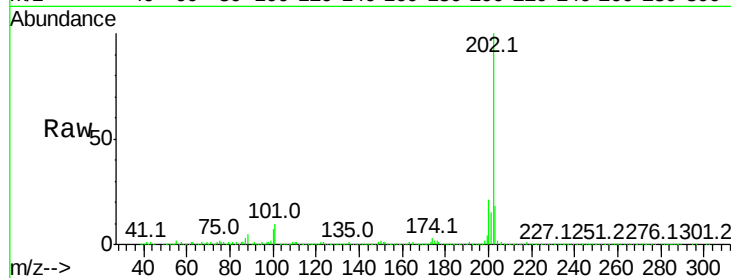
ClientSampled :

B-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.1	0.0	34.6
203	17.8	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

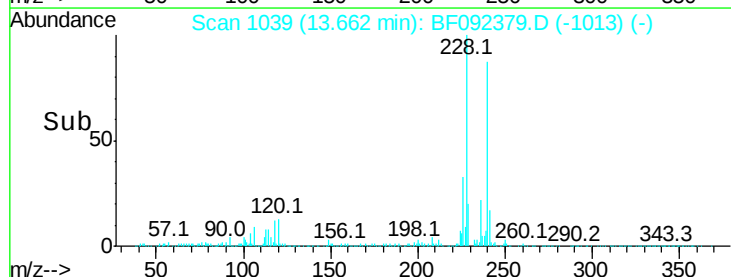
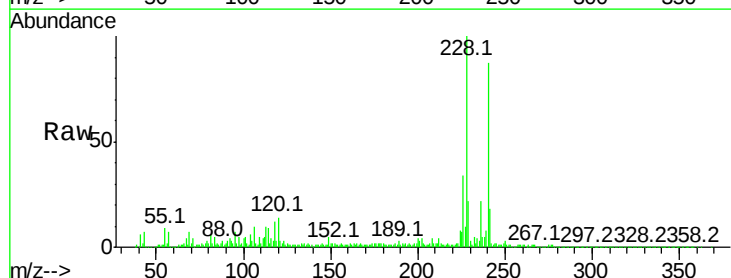
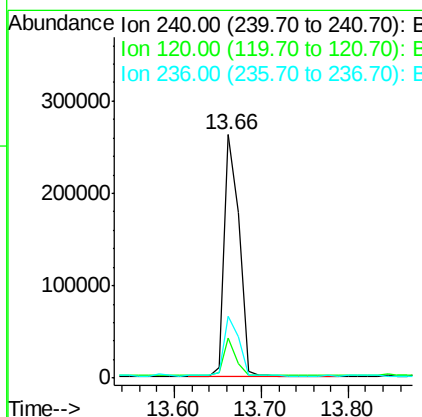
RT: 13.66 min Scan# 1039

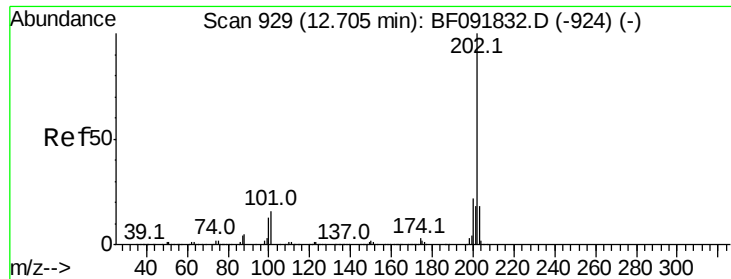
Delta R.T. -0.00 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.3	12.9	19.3
236	25.6	20.9	31.3





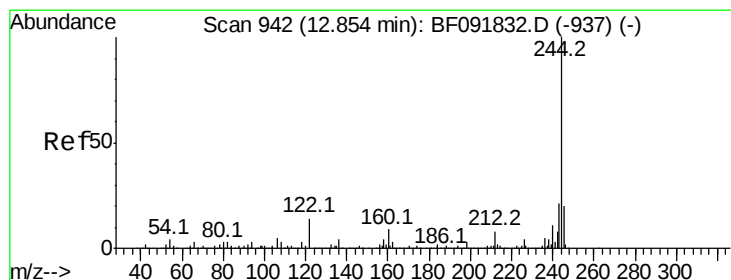
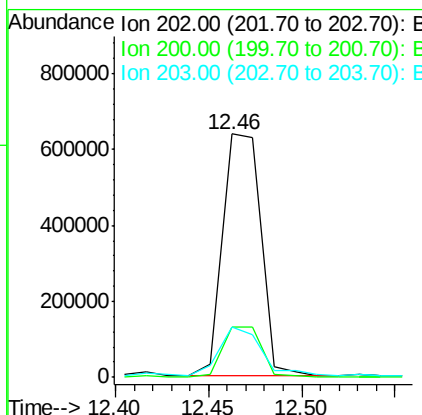
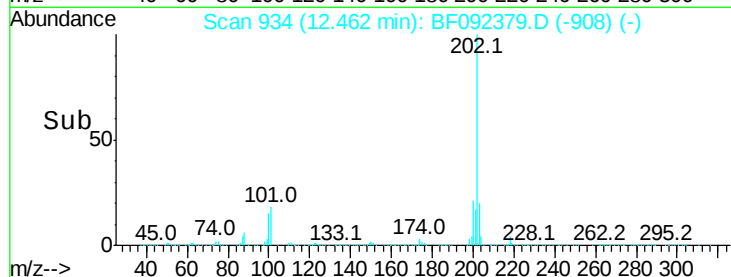
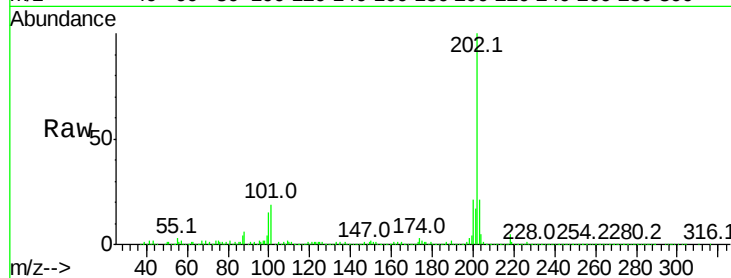
#77
Pvrene
Concen: 39.31 ng
RT: 12.46 min Scan# 934
Delta R.T. -0.00 min
Lab File: BF092379.D
Acq: 20 Jan 2017 18:16

Instrument :
BNA_F
ClientSampleId :
B-3

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.7	26.5
203	20.8	14.7	22.1

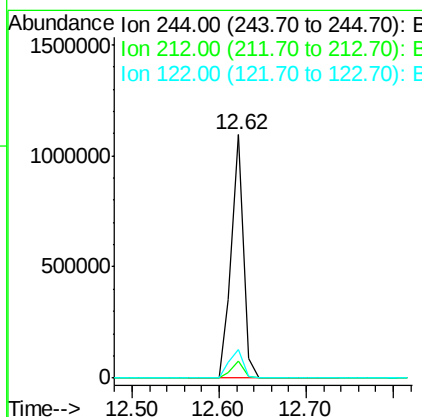
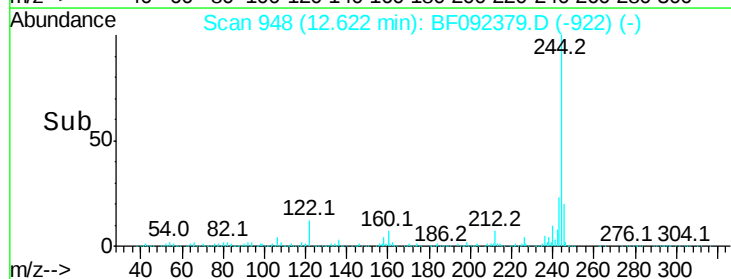
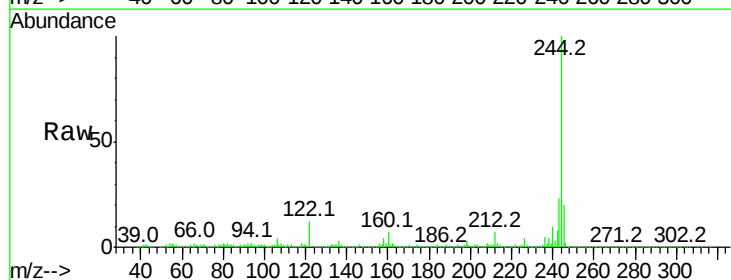
Manual Integrations
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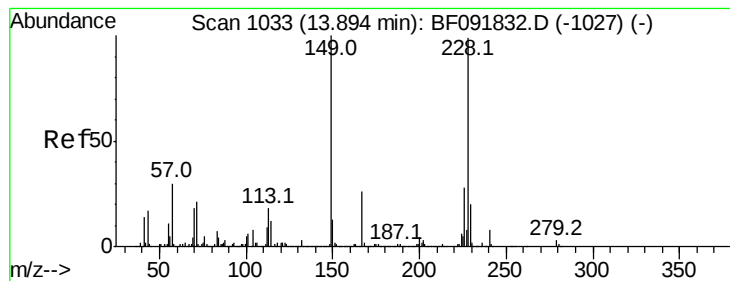
mohammad
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#78
Terphenyl-d14
Concen: 81.10 ng
RT: 12.62 min Scan# 948
Delta R.T. -0.00 min
Lab File: BF092379.D
Acq: 20 Jan 2017 18:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	11.8	11.4	17.2





#80

Benzo(a)anthracene

Concen: 25.93 ng

RT: 13.66 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Instrument :

BNA_F

ClientSampleId :

B-3

Tot Ion:228 Resp: 465749

Ion Ratio Lower Upper

228 100

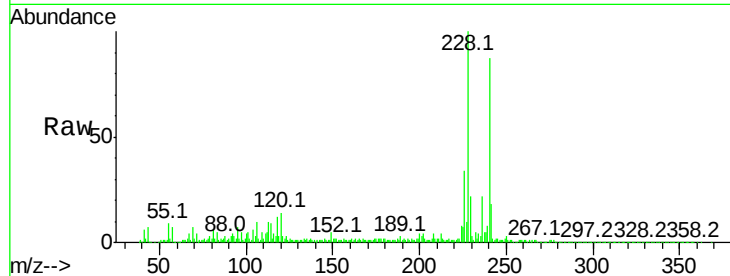
226 34.0 22.4 33.6#

229 22.5 16.2 24.4

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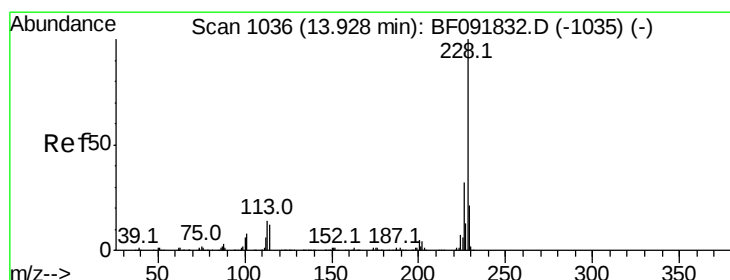
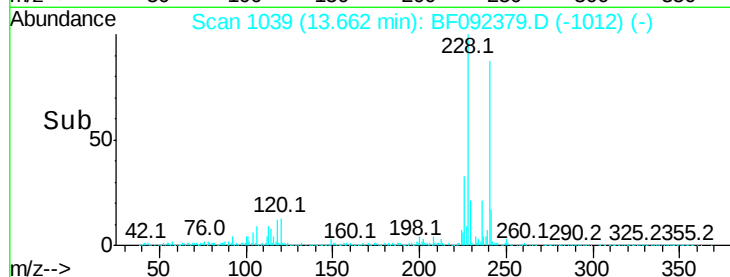
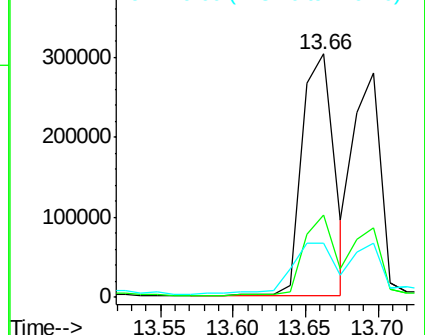
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 20.57 ng m

RT: 13.70 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Tgt Ion:228 Resp: 370741

Ion Ratio Lower Upper

228 100

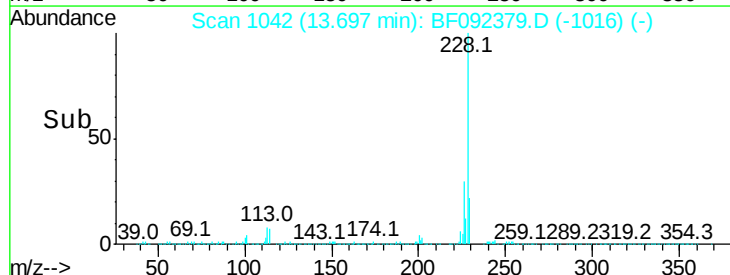
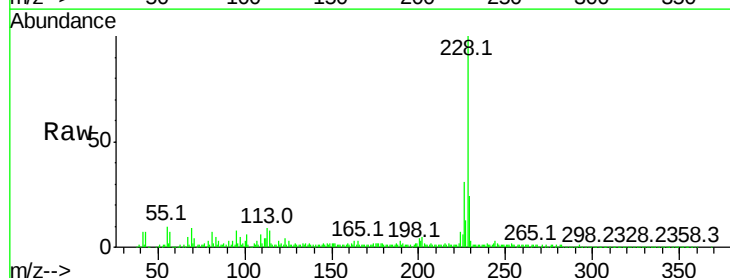
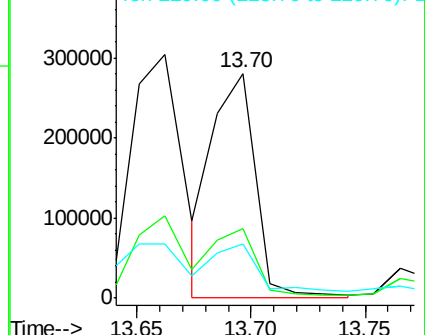
226 30.9 25.4 38.0

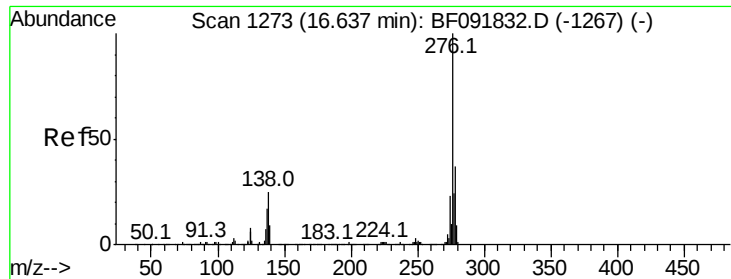
229 24.1 16.2 24.2

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 10.30 ng

RT: 16.25 min Scan# 1265

Delta R.T. 0.02 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Instrument :

BNA_F

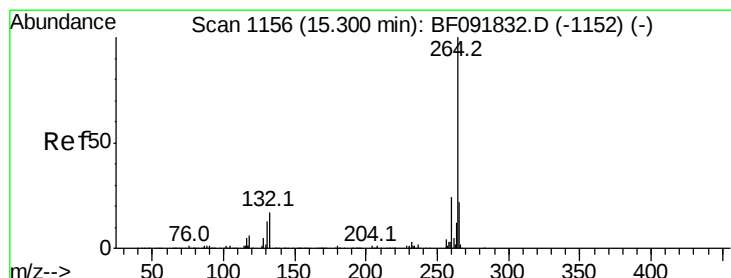
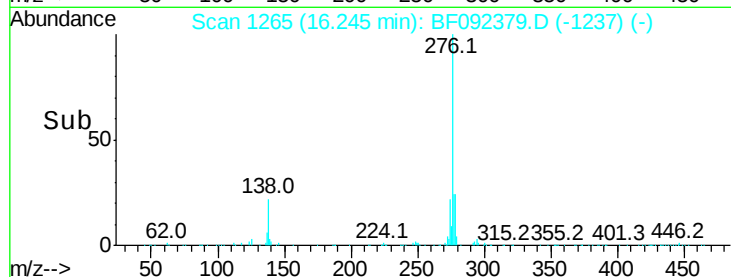
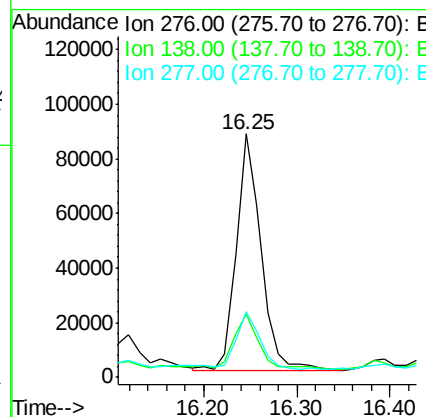
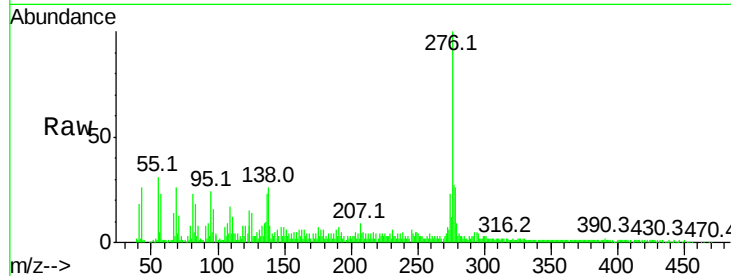
ClientSampleId :

B-3

Tot Ion:	276	Resp:	160771
Ion Ratio	Lower	Upper	
276	100		
138	23.5	21.8	32.6
277	22.7	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

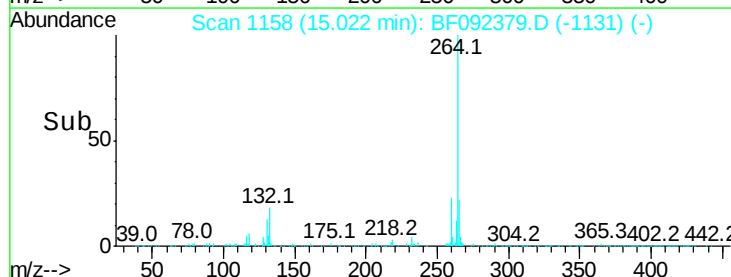
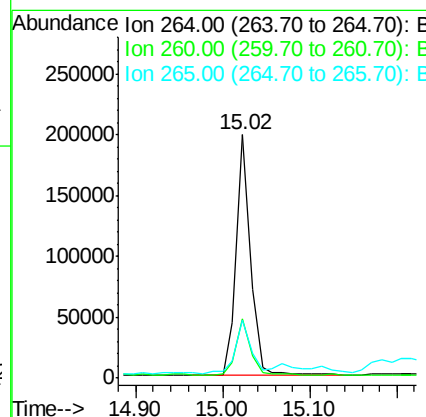
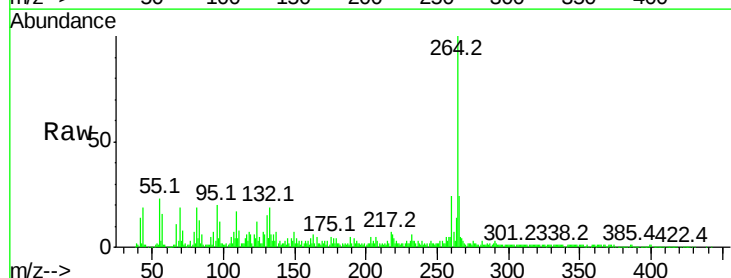
RT: 15.02 min Scan# 1158

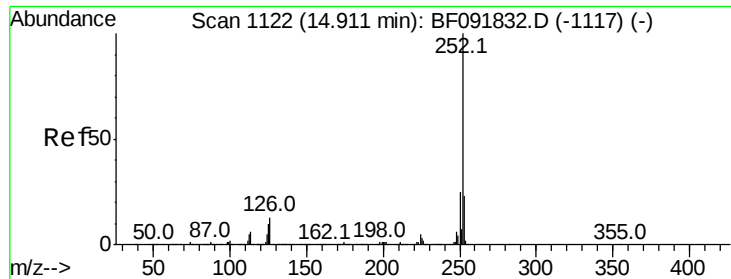
Delta R.T. 0.01 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Tgt Ion:	264	Resp:	226976
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	24.1	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 30.30 ng m

RT: 14.67 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Instrument :

BNA_F

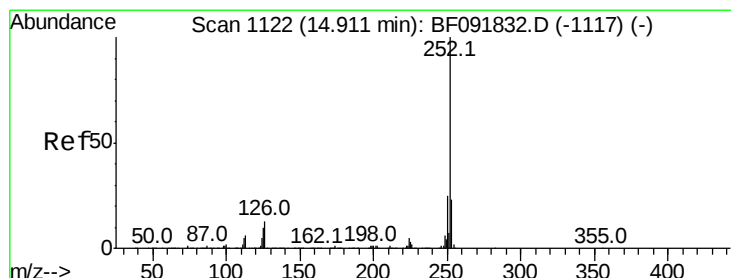
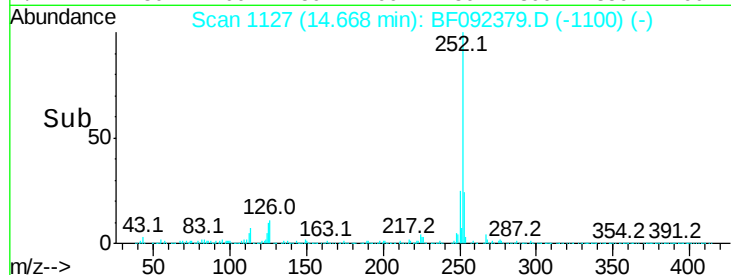
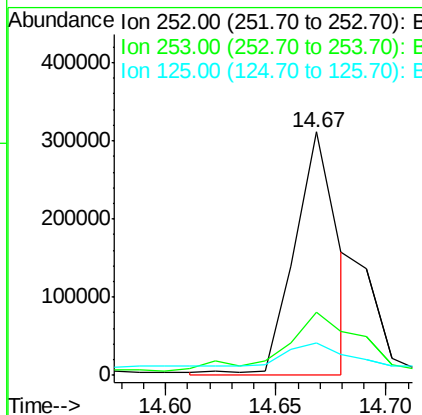
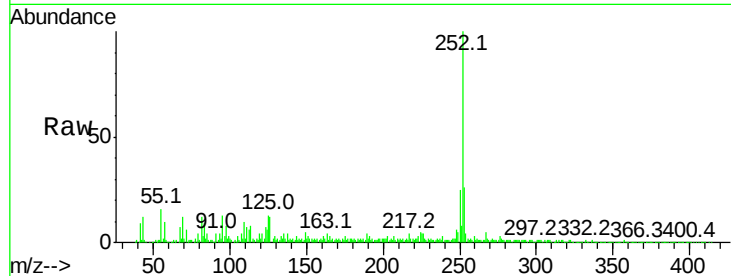
ClientSampled :

B-3

Tot Ion:	252	Resp:	428193
Ion Ratio	Lower	Upper	
252	100		
253	25.7	18.2	27.4
125	13.4	9.8	14.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 10.04 ng m

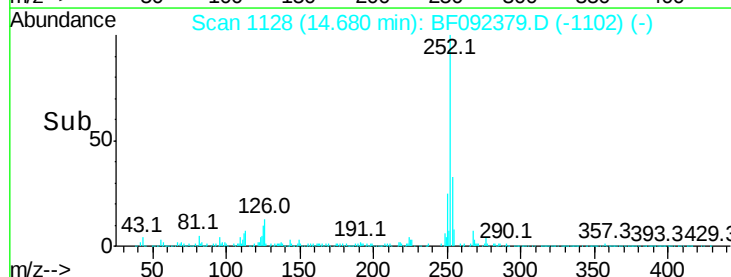
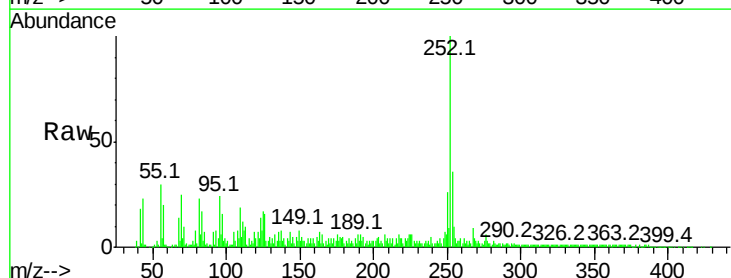
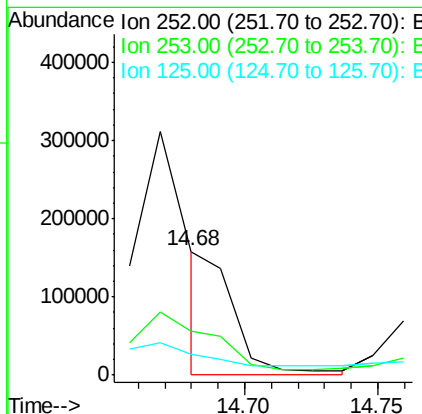
RT: 14.68 min Scan# 1128

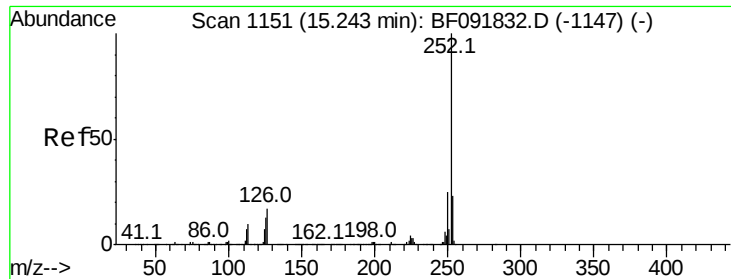
Delta R.T. -0.00 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Tgt Ion:	252	Resp:	120972
Ion Ratio	Lower	Upper	
252	100		
253	35.8	18.5	27.7#
125	16.7	8.9	13.3#





#89

Benzo(a)pyrene

Concen: 22.75 ng

RT: 14.98 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Instrument :

BNA_F

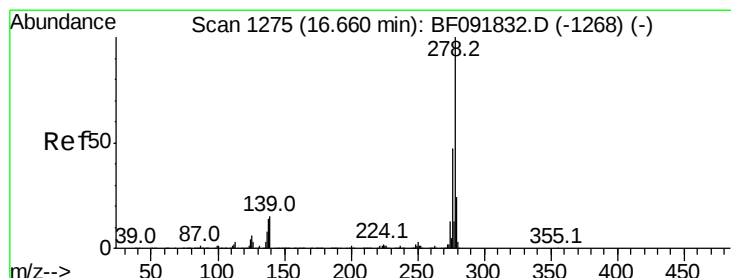
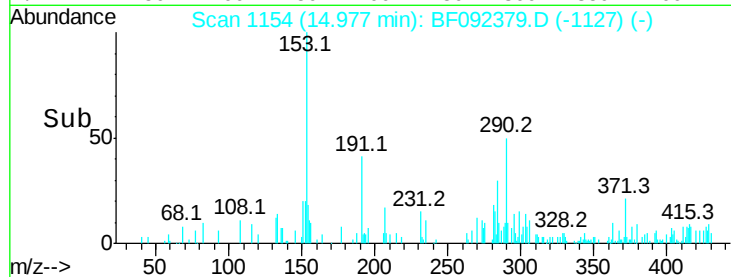
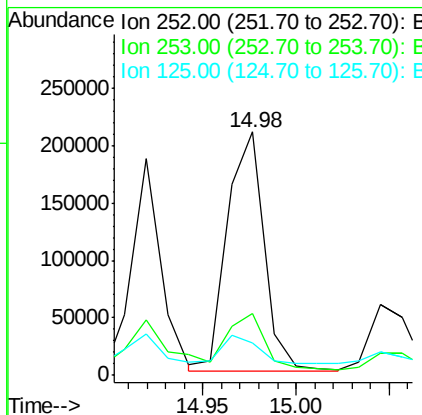
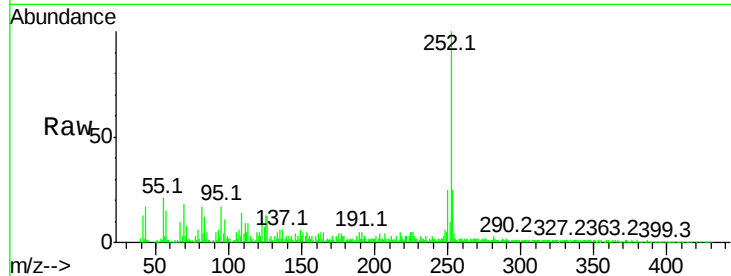
ClientSampled :

B-3

Tot Ion:	252	Resp:	285352
Ion Ratio	Lower	Upper	
252	100		
253	25.4	18.2	27.2
125	13.2	10.0	15.0

Manual Integrations
APPROVED

mohammad
1/23/2017 2:45:01 PM



#90

Dibenzo(a,h)anthracene

Concen: 3.77 ng

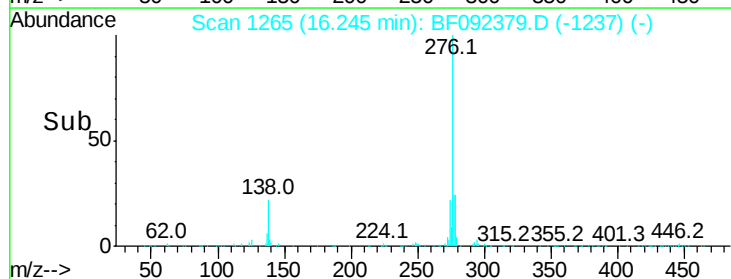
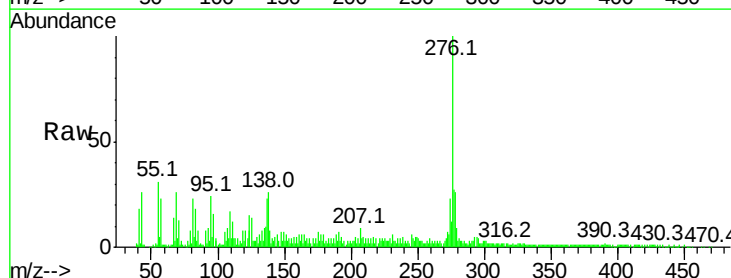
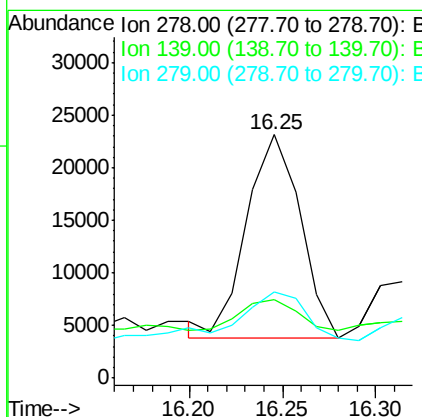
RT: 16.25 min Scan# 1265

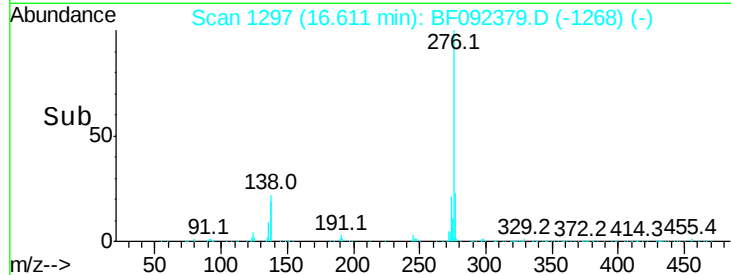
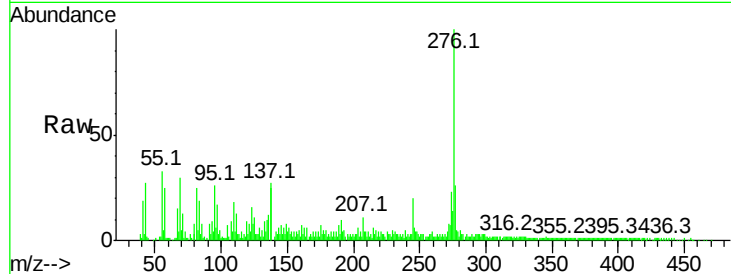
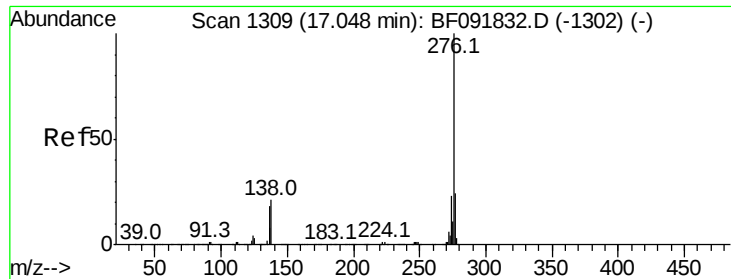
Delta R.T. 0.02 min

Lab File: BF092379.D

Acq: 20 Jan 2017 18:16

Tgt Ion:	278	Resp:	38877
Ion Ratio	Lower	Upper	
278	100		
139	32.4	14.8	22.2#
279	35.6	19.8	29.6#





#91
 Benzo(a,h,i)perylene
 Concen: 14.54 ng
 RT: 16.61 min Scan# 1297
 Delta R.T. 0.03 min
 Lab File: BF092379.D
 Acq: 20 Jan 2017 18:16

Instrument :
 BNA_F
 ClientSampleId :
 B-3

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	26.2	19.2	28.8
138	24.8	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 1/23/2017 2:45:01 PM

