

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
 Data File : BF092816.D
 Acq On : 7 Feb 2017 00:38
 Operator : SJ/MA
 Sample : I1699-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F-2

Manual Integrations
 APPROVED

mohammad
 2/7/2017 3:14:46 PM

Quant Time: Feb 07 02:10:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 01:19:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	139877m	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	554098	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	253879	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	359214	20.00	ng	0.00
75) Chrysene-d12	14.09	240	296798	20.00	ng	0.00
86) Perylene-d12	15.54	264	220866	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	168517	20.67	ng	0.00
7) Phenol-d6	6.56	99	750165	71.51	ng	0.00
23) Nitrobenzene-d5	7.48	82	631470	63.46	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	3655	1.99	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1030613	73.54	ng	0.00
78) Terphenyl-d14	13.02	244	740024	58.59	ng	0.00
Target Compounds						
10) Phenol	6.57	94	49205	4.01	ng	Qvalue # 68
31) Naphthalene	8.22	128	62912	2.24	ng	98
49) Dimethylphthalate	9.66	163	105947	6.20	ng	98
51) Acenaphthene	9.98	154	56087	3.78	ng	97
54) Dibenzofuran	10.16	168	68279	3.44	ng	95
57) Fluorene	10.50	166	95906	6.27	ng	97
70) Phenanthrene	11.47	178	648943	31.53	ng	97
71) Anthracene	11.52	178	188079	9.10	ng	98
72) Carbazole	11.68	167	50709	2.57	ng	97
74) Fluoranthene	12.66	202	655089	30.86	ng	95
77) Pyrene	12.89	202	560480	25.23	ng	98
80) Benzo(a)anthracene	14.08	228	264468m	14.57	ng	
82) Chrysene	14.11	228	255044m	15.01	ng	
83) Bis(2-ethylhexyl)phthalate	14.07	149	29052	2.36	ng	# 85
85) Indeno(1,2,3-cd)pyrene	16.99	276	88011	6.69	ng	94
87) Benzo(b)fluoranthene	15.12	252	278140m	19.13	ng	
88) Benzo(k)fluoranthene	15.14	252	67433m	5.37	ng	
89) Benzo(a)pyrene	15.48	252	166558	13.25	ng	# 92
91) Benzo(a,h,i)perylene	17.43	276	83878	8.17	ng	# 85

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

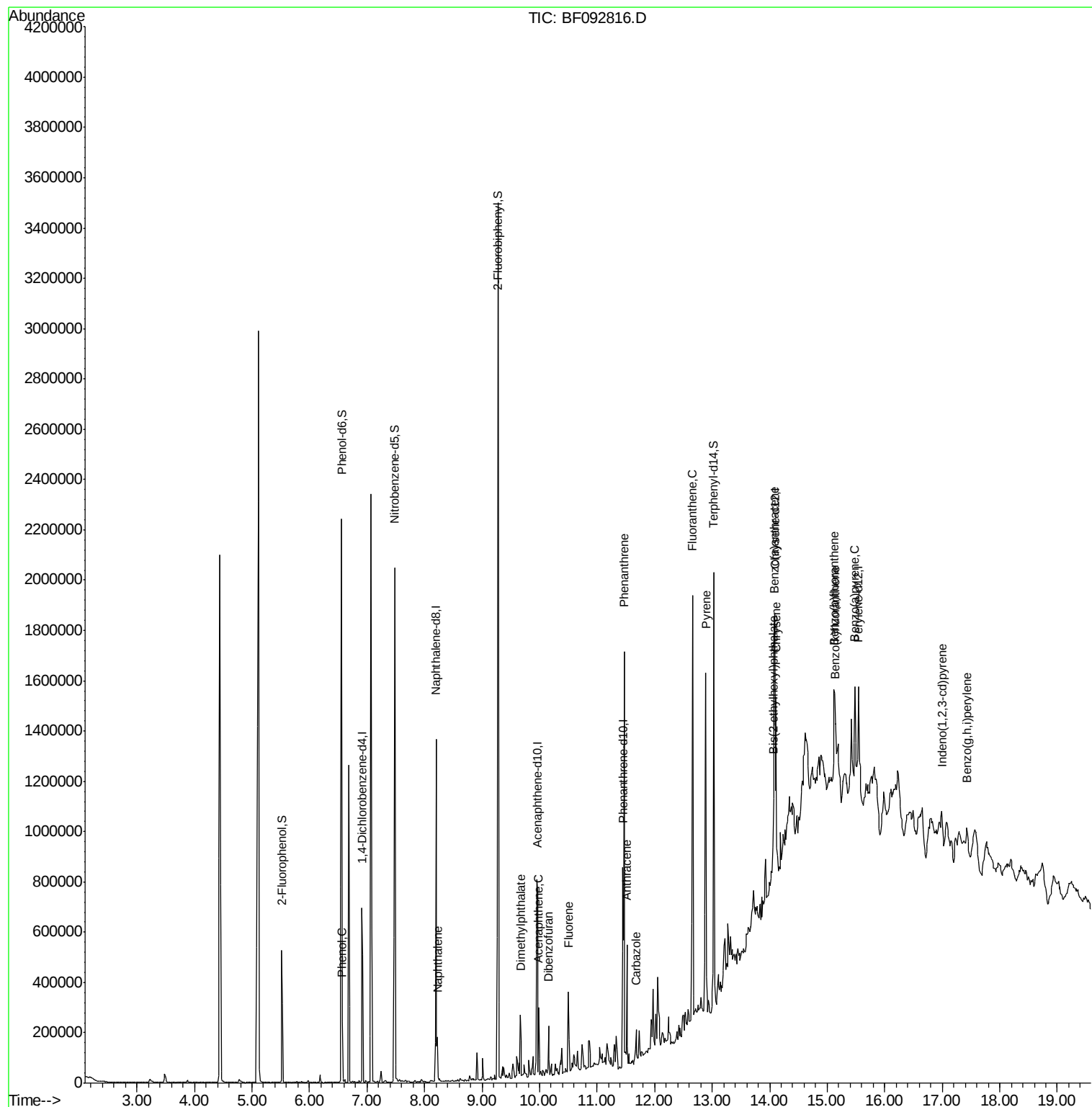
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092816.D
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ALS Vial : 20 Sample Multiplier: 1

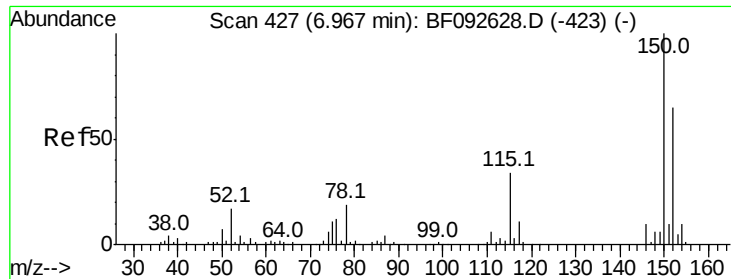
Instrument :
BNA_F
ClientSampleId :
F-2

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#1

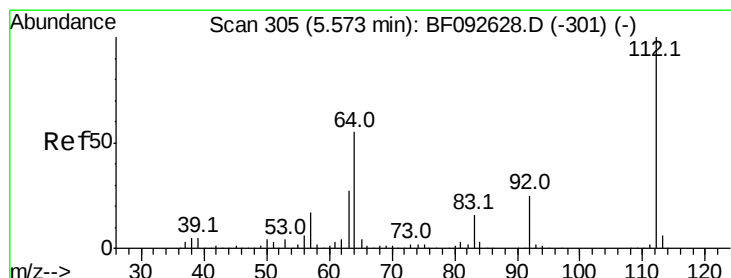
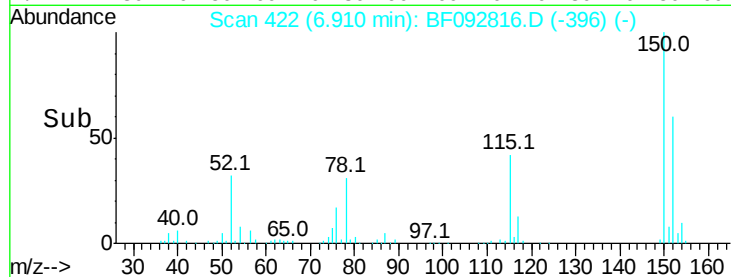
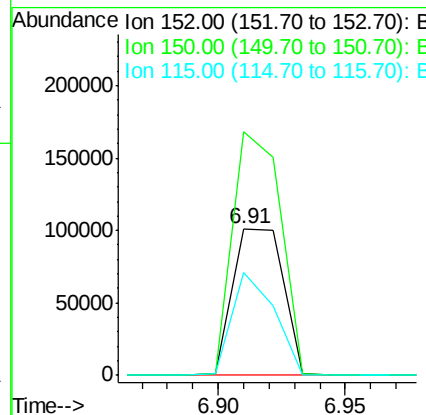
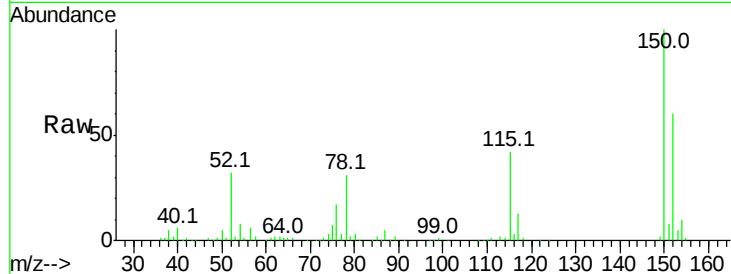
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.91 min Scan# 422
Delta R.T. -0.00 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Instrument :
BNA_F
ClientSampled :
F-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.0	124.9	187.3
115	70.0	46.0	69.0

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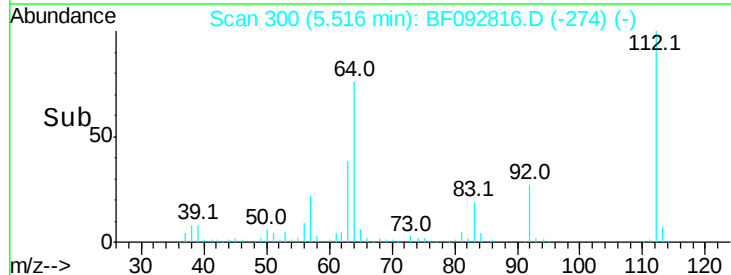
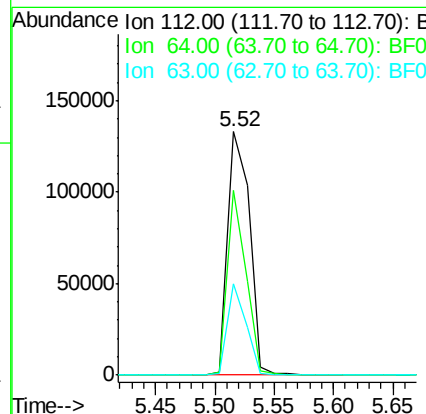
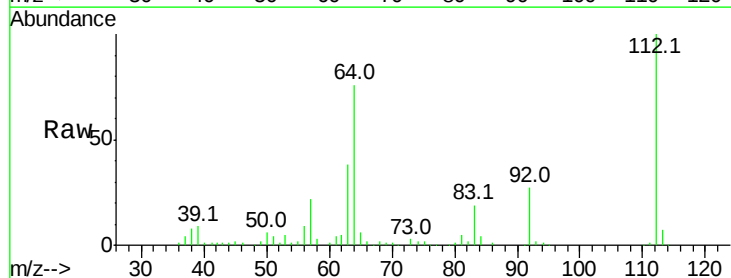
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#5

2-Fluorophenol
Concen: 20.67 ng
RT: 5.52 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.1	46.1	69.1
63	37.7	23.8	35.6





#7

Phenol-d6

Concen: 71.51 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.00 min

Lab File: BF092816.D

Acq: 7 Feb 2017 00:38

Instrument :

BNA_F

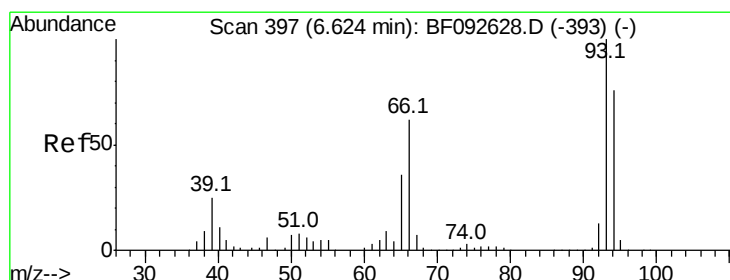
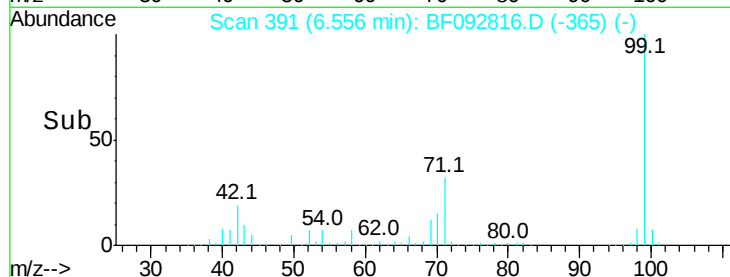
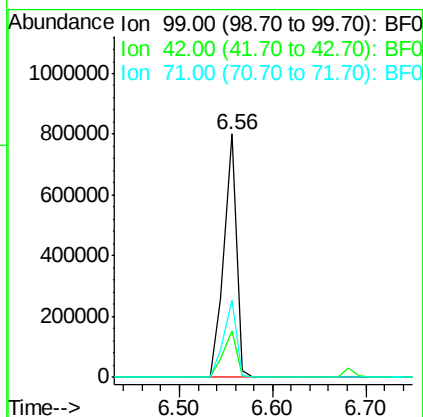
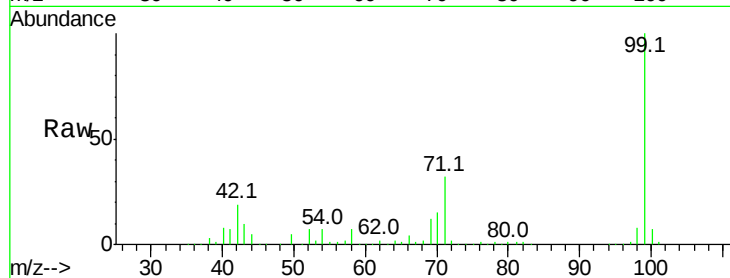
ClientSampled :

F-2

Tot Ion:	99	Resp:	750165
Ion Ratio	Lower	Upper	
99	100		
42	18.9	15.6	23.4
71	31.5	27.5	41.3

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#10

Phenol

Concen: 4.01 ng

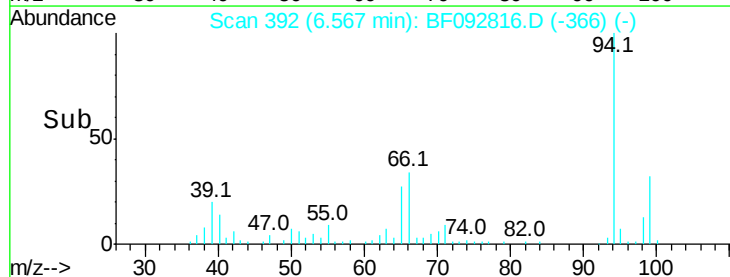
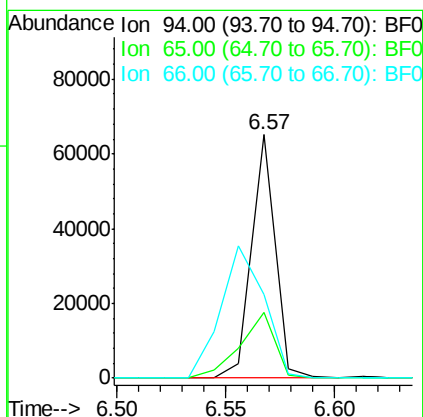
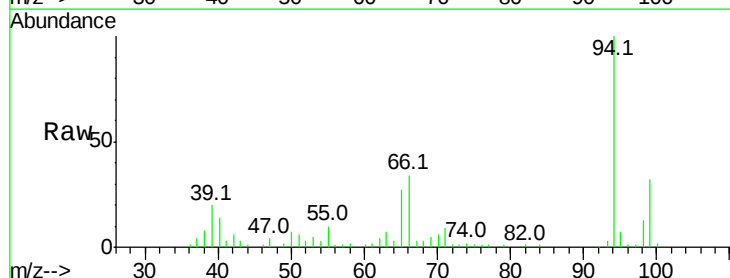
RT: 6.57 min Scan# 392

Delta R.T. -0.00 min

Lab File: BF092816.D

Acq: 7 Feb 2017 00:38

Tgt Ion:	94	Resp:	49205
Ion Ratio	Lower	Upper	
94	100		
65	27.2	21.4	61.4
66	34.4	44.0	84.0#





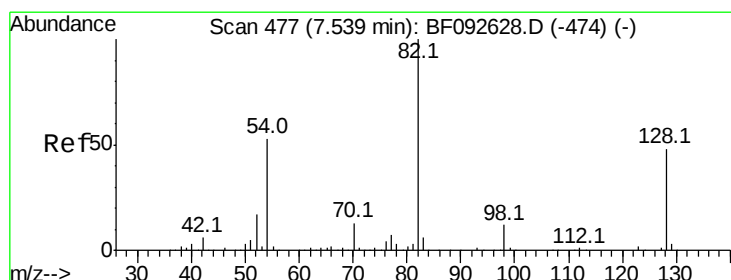
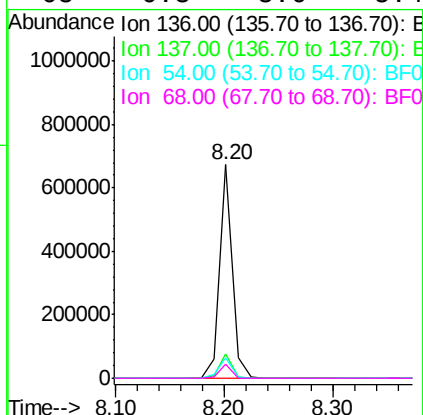
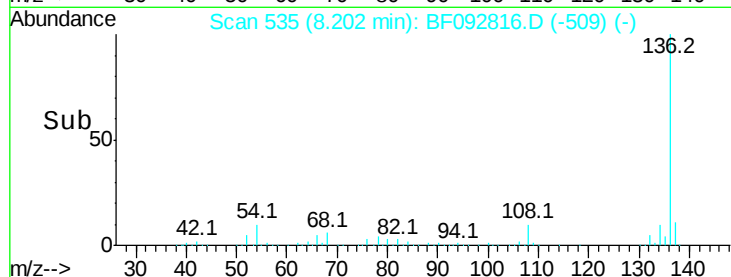
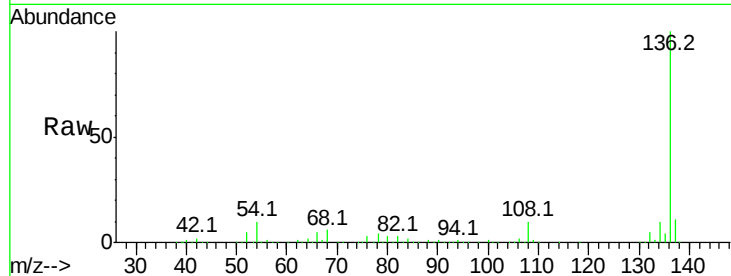
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.00 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Instrument :
BNA_F
ClientSampled :
F-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.4	12.6	
54	9.7	4.5	6.7#	
68	6.3	3.6	5.4#	

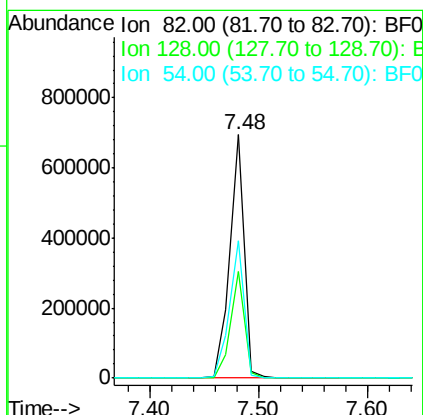
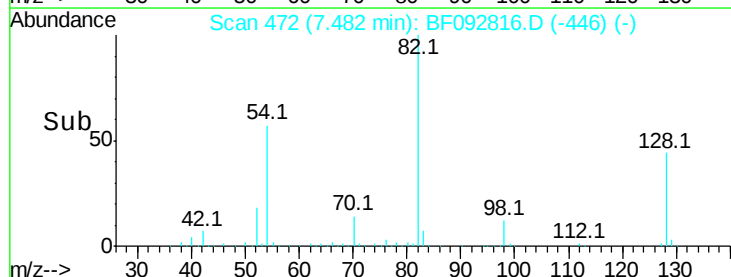
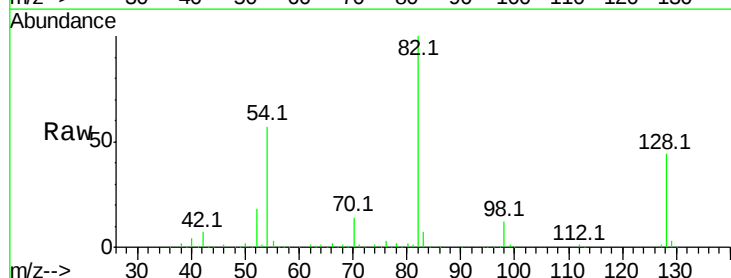
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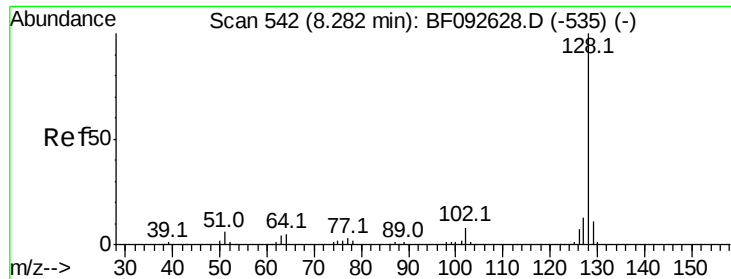
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#23
Nitrobenzene-d5
Concen: 63.46 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.00 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.7	34.6	52.0	
54	56.6	39.5	59.3	





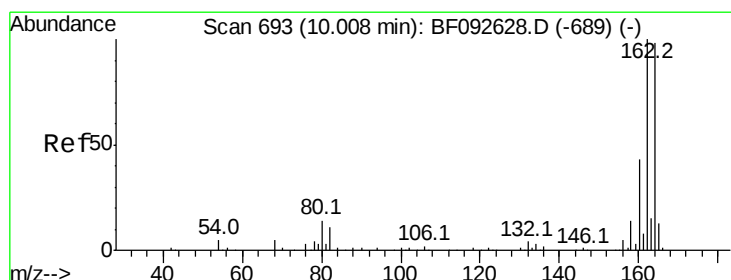
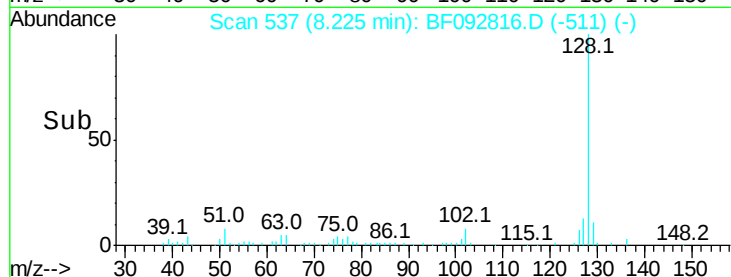
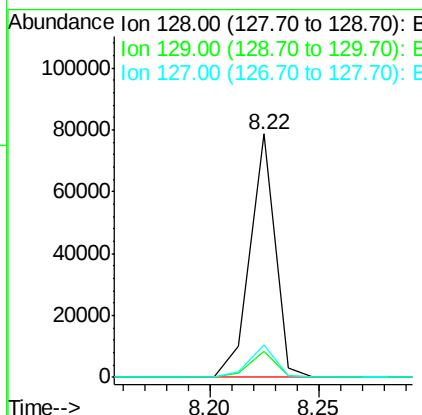
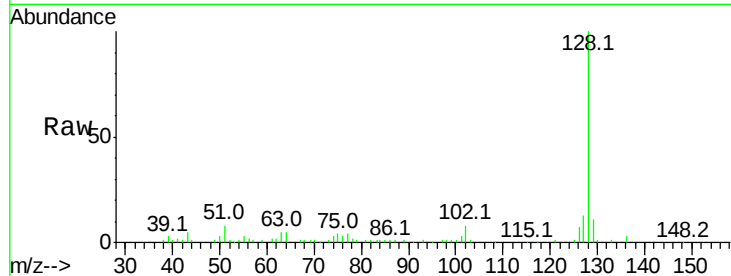
#31
Naphthalene
Concen: 2.24 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.00 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Instrument :
BNA_F
ClientSampled :
F-2

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.5	14.3
127	13.2	10.8	16.2

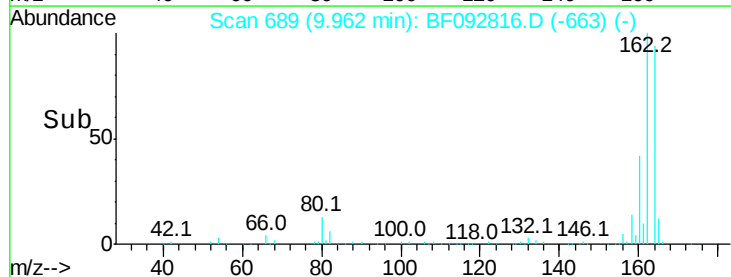
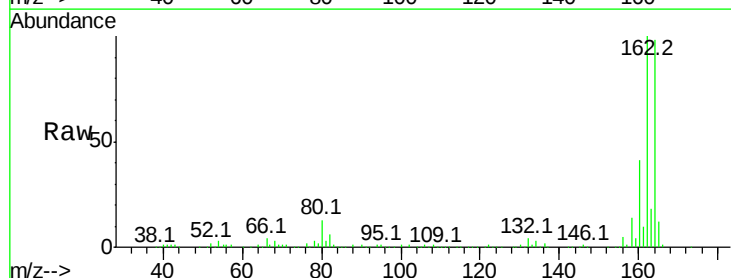
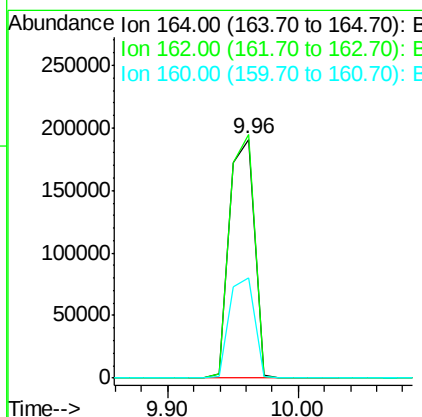
Manual Integrations
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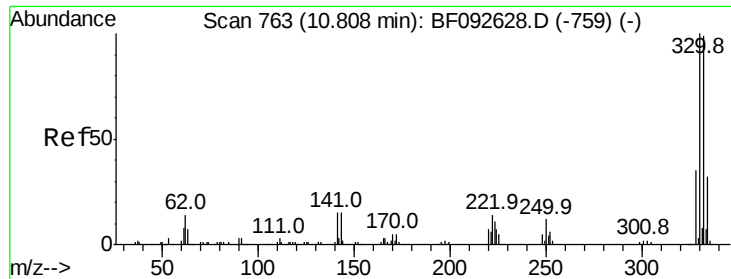
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.2	120.2
160	42.2	36.9	55.3





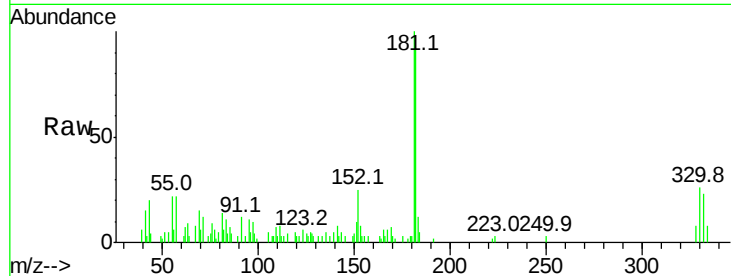
#41
 2,4,6-Tribromophenol
 Concen: 1.99 ng
 RT: 10.75 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BF092816.D
 Acq: 7 Feb 2017 00:38

Instrument :
 BNA_F
 ClientSampled :
 F-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	86.3	77.4	116.2
141	58.9	34.1	51.1#

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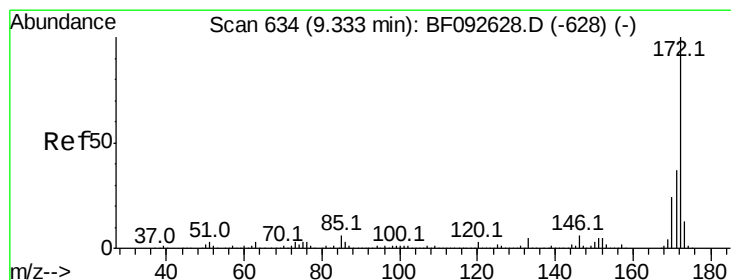
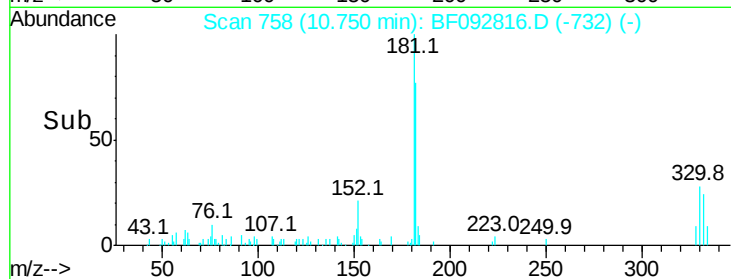
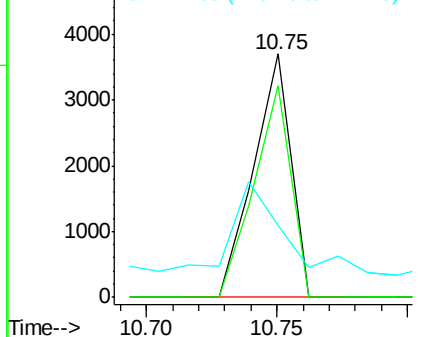


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 73.54 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BF092816.D
 Acq: 7 Feb 2017 00:38

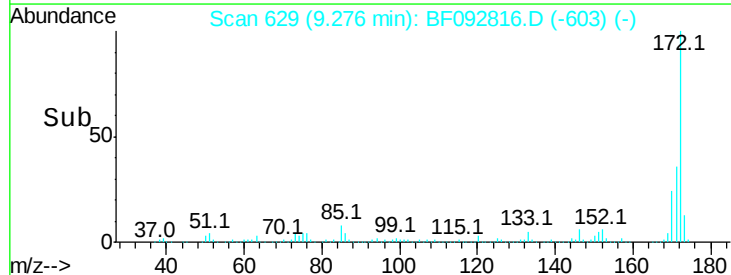
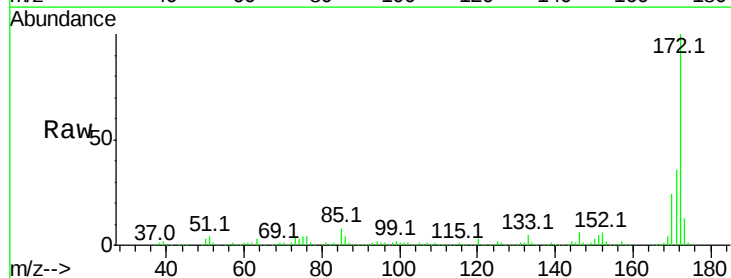
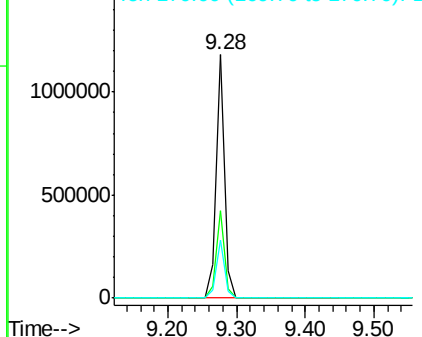
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.0	20.2	30.4

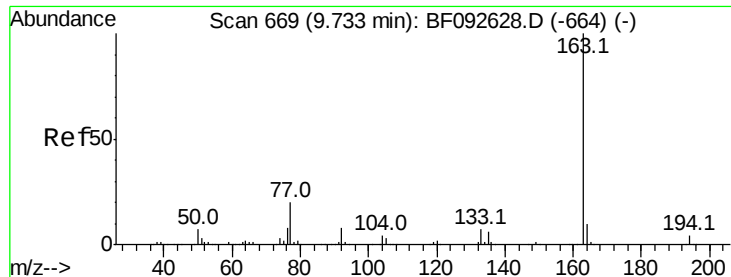
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





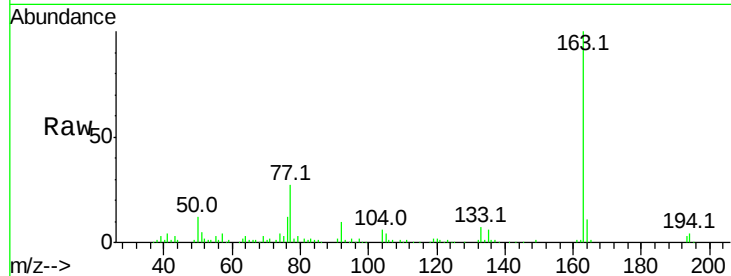
#49
Dimethylphthalate
Concen: 6.20 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	105947		
194	3.6		3.0	4.4
164	10.8		8.0	12.0

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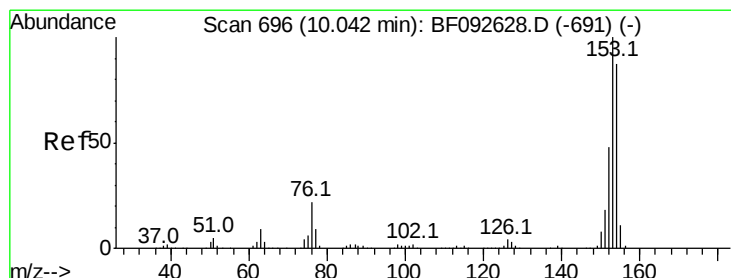
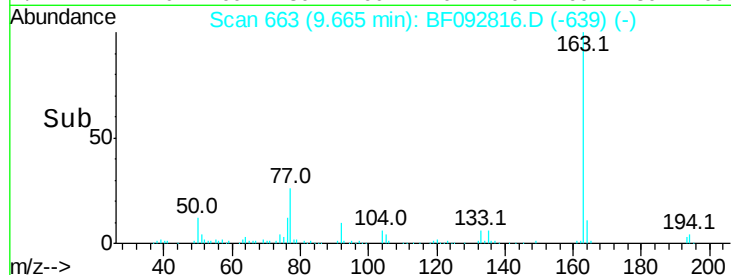
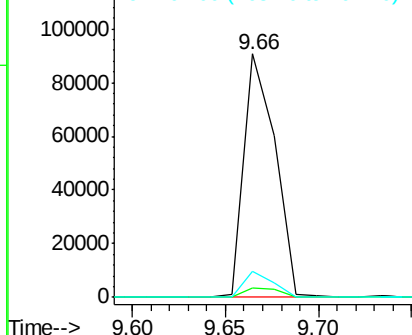


Abundance

Ion 163.00 (162.70 to 163.70): E

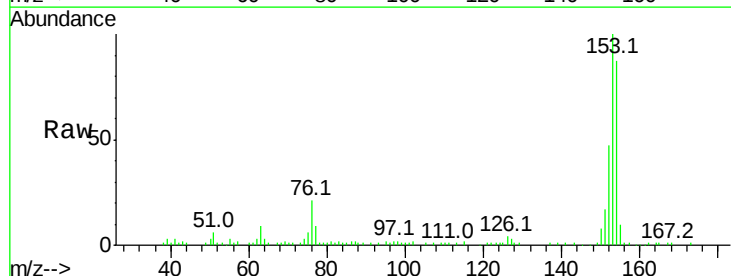
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 3.78 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	56087		
153	114.4		88.6	133.0
152	54.3		41.6	62.4

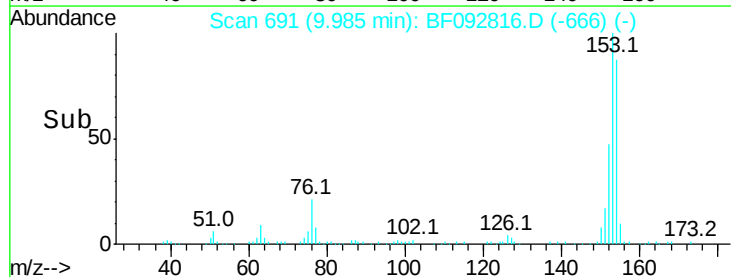
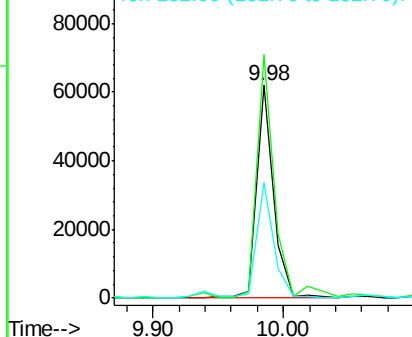


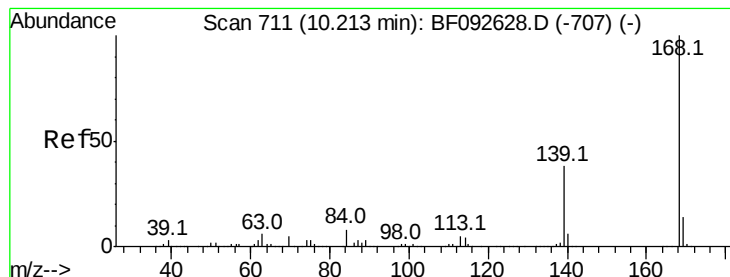
Abundance

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: 3.44 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF092816.D

Acq: 7 Feb 2017 00:38

Instrument :

BNA_F

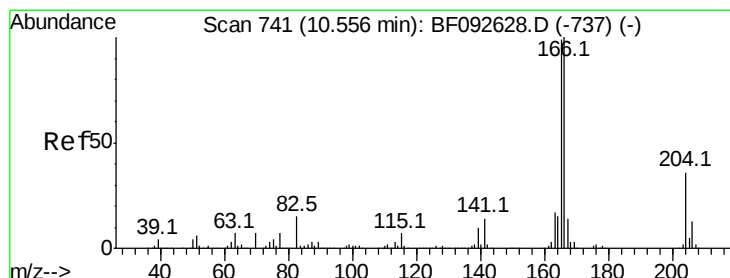
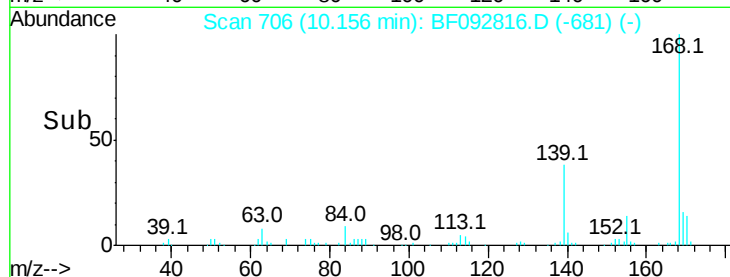
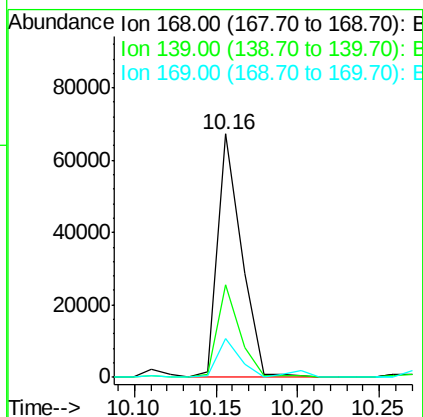
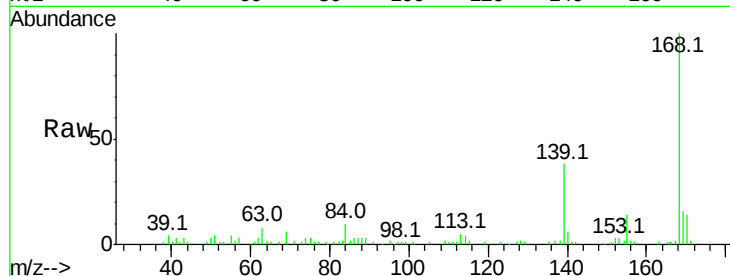
ClientSampleId :

F-2

Tot Ion:168	Resp:	68279
Ion Ratio	Lower	Upper
168	100	
139	37.9	32.6 49.0
169	16.2	11.3 16.9

Manual Integrations
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#57

Fluorene

Concen: 6.27 ng

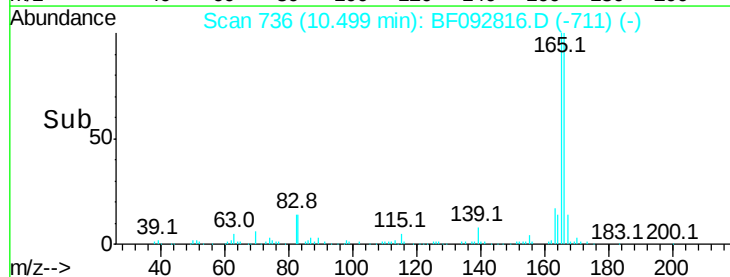
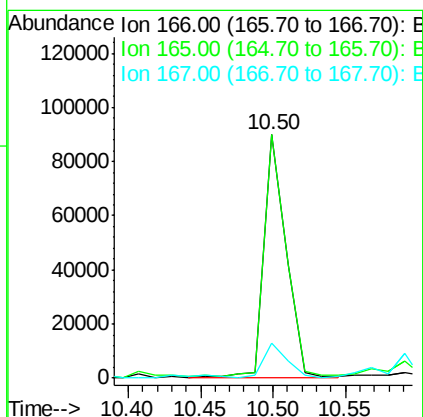
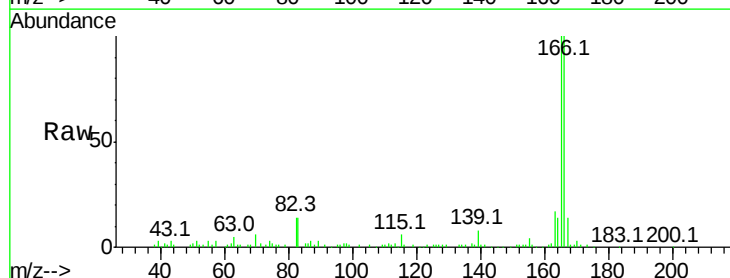
RT: 10.50 min Scan# 736

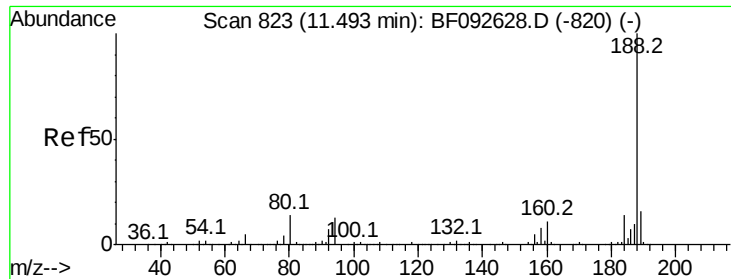
Delta R.T. -0.01 min

Lab File: BF092816.D

Acq: 7 Feb 2017 00:38

Tgt Ion:166	Resp:	95906
Ion Ratio	Lower	Upper
166	100	
165	100.1	77.8 116.8
167	14.4	10.8 16.2





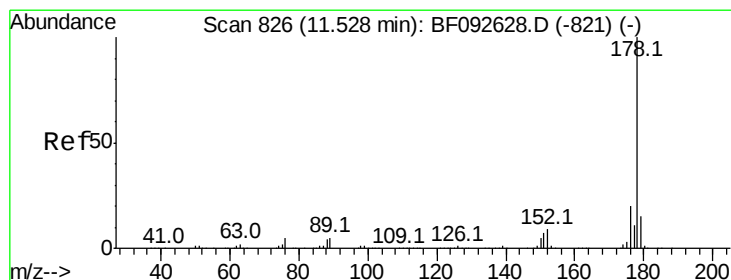
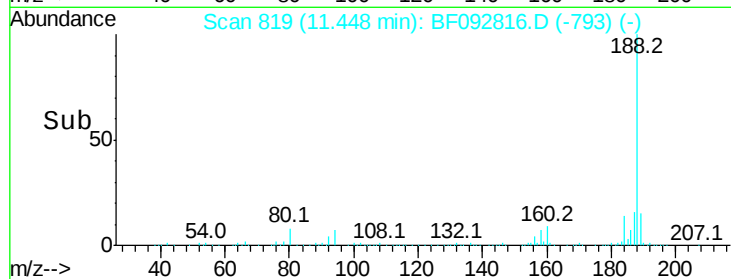
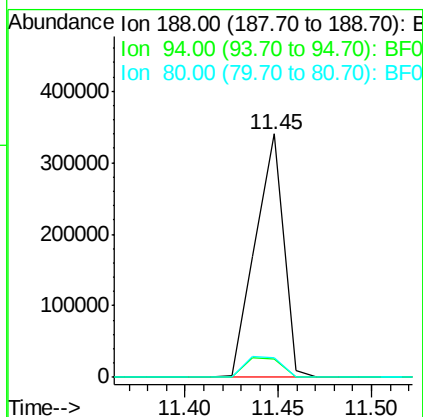
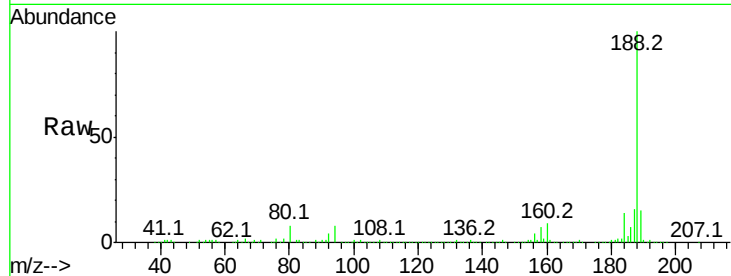
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Instrument :
BNA_F
ClientSampleId :
F-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	359214		
94	7.5	10.0	15.0#	
80	7.8	11.2	16.8#	

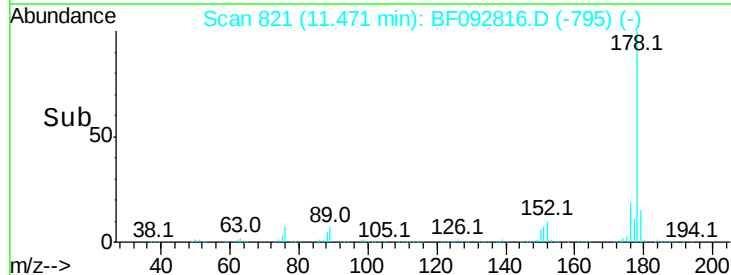
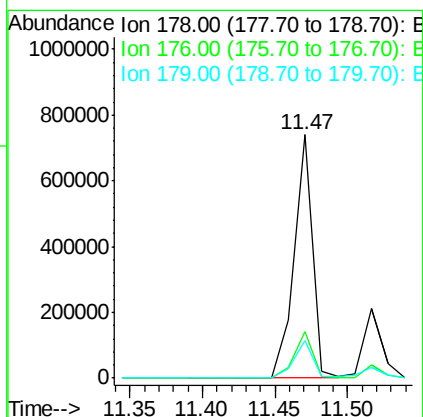
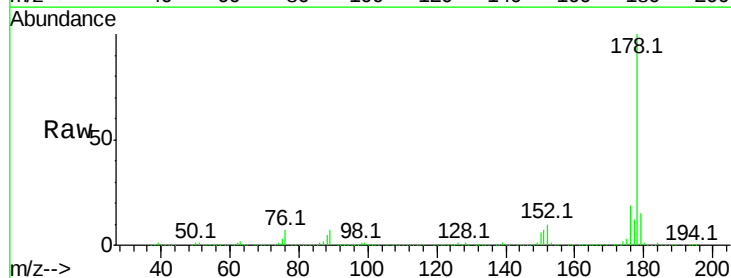
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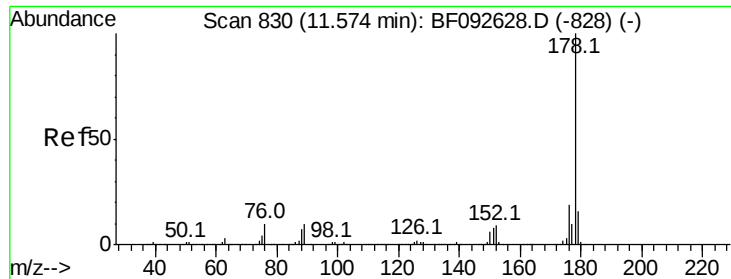
mohammad
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#70
Phenanthrene
Concen: 31.53 ng
RT: 11.47 min Scan# 821
Delta R.T. -0.00 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	648943		
176	19.3	16.6	25.0	
179	15.3	12.8	19.2	





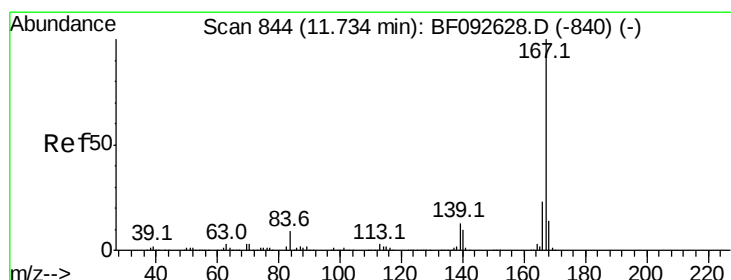
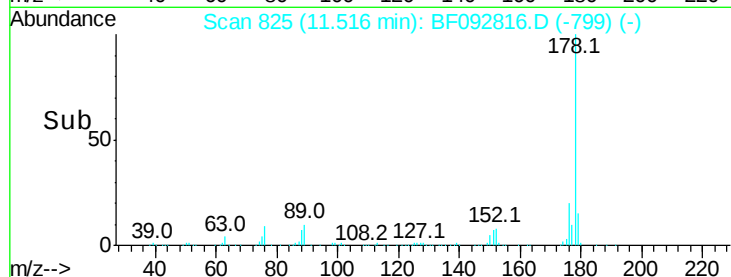
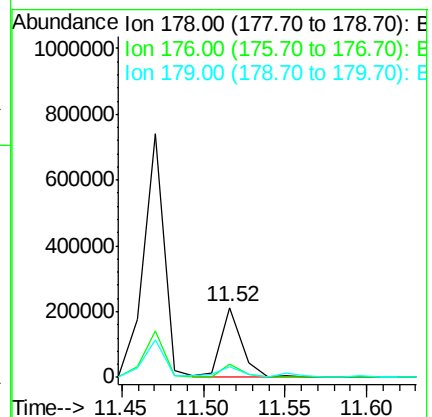
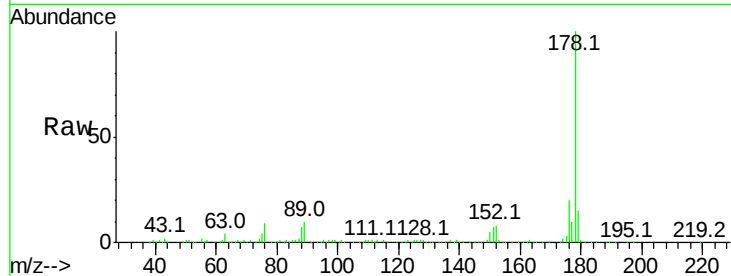
#71
 Anthracene
 Concen: 9.10 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF092816.D
 Acq: 7 Feb 2017 00:38

Instrument :
 BNA_F
 ClientSampled :
 F-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.4	13.2	19.8

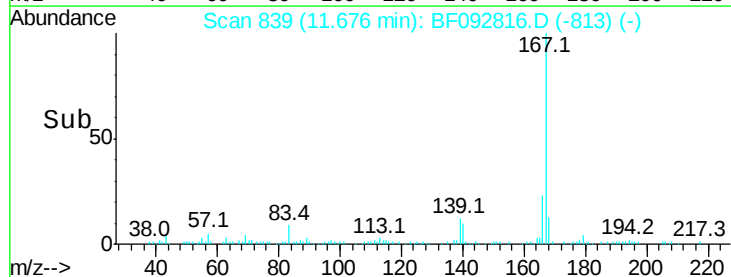
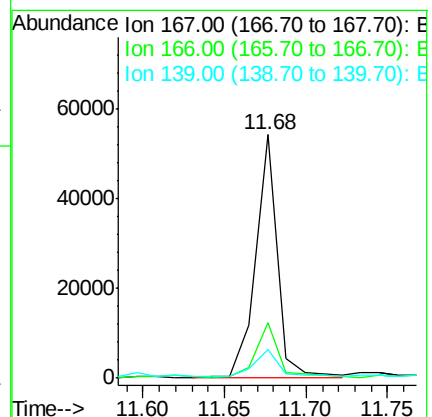
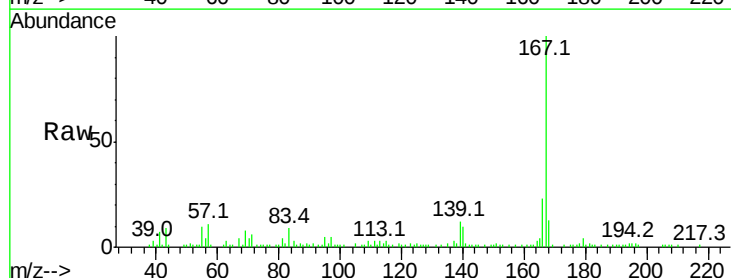
Manual Integrations
 APPROVED

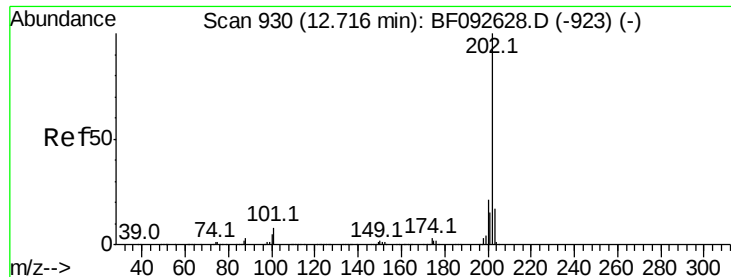
mohammad
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#72
 Carbazole
 Concen: 2.57 ng
 RT: 11.68 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BF092816.D
 Acq: 7 Feb 2017 00:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.2	27.2
139	11.5	11.4	17.2





#74

Fluoranthene

Concen: 30.86 ng

RT: 12.66 min Scan# 925

Delta R.T. -0.00 min

Lab File: BF092816.D

Acq: 7 Feb 2017 00:38

Instrument :

BNA_F

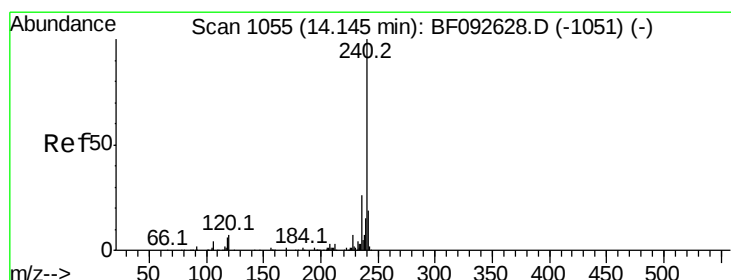
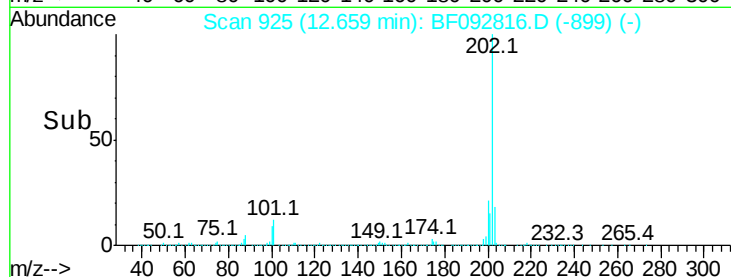
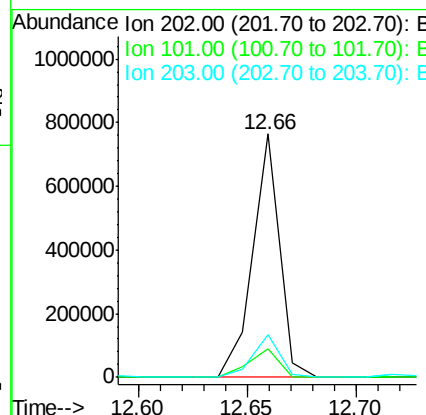
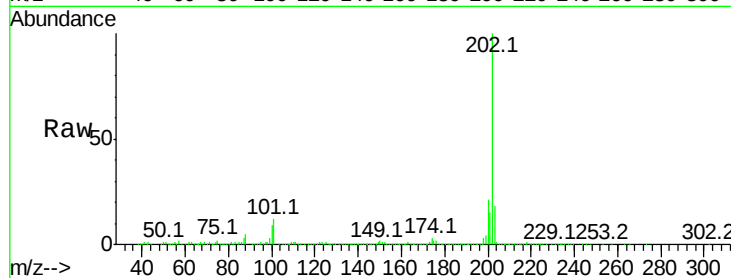
ClientSampled :

F-2

Tot Ion:	202	Resp:	655089
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.6
203	17.7	0.0	38.7

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

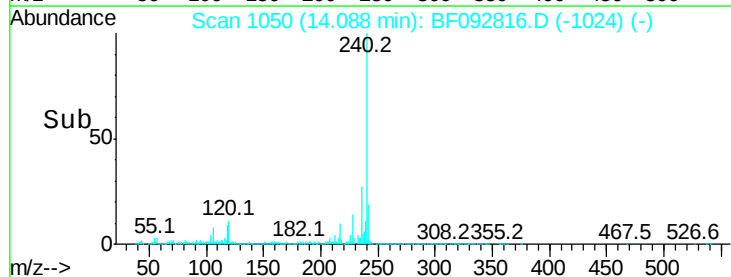
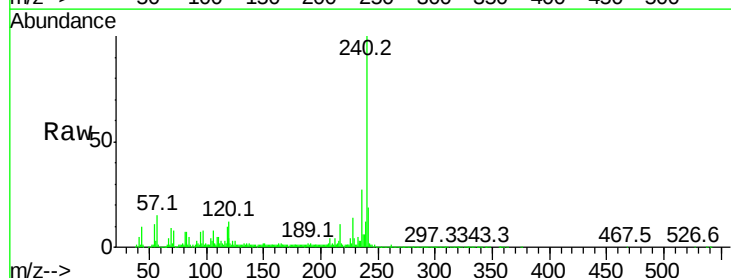
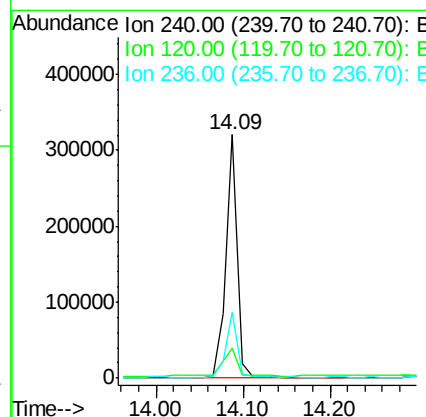
RT: 14.09 min Scan# 1050

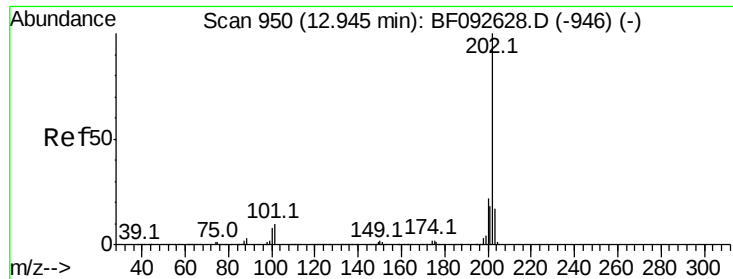
Delta R.T. -0.00 min

Lab File: BF092816.D

Acq: 7 Feb 2017 00:38

Tgt Ion:	240	Resp:	296798
Ion Ratio	Lower	Upper	
240	100		
120	12.0	12.9	19.3#
236	26.8	20.9	31.3





#77

Pvrene

Concen: 25.23 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF092816.D

Acq: 7 Feb 2017 00:38

Instrument :

BNA_F

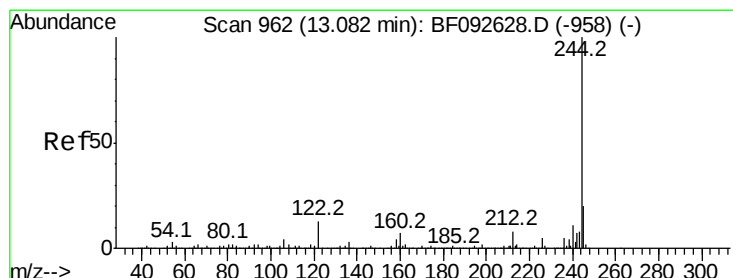
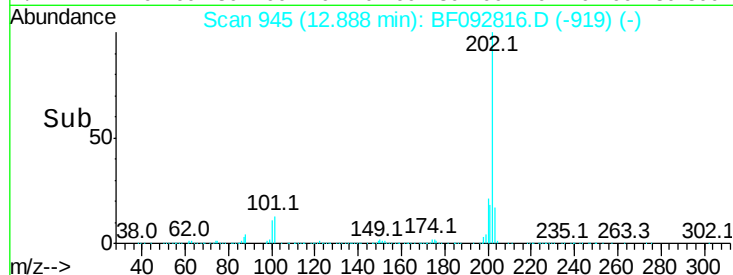
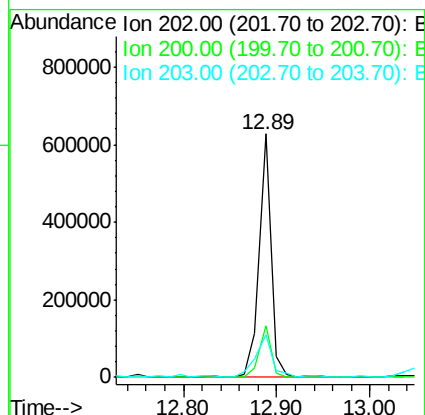
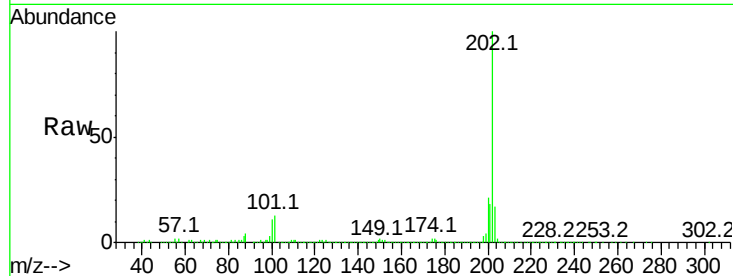
ClientSampleId :

F-2

Tot Ion:	202	Resp:	560480
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	17.4	14.7	22.1

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#78

Terphenyl-d14

Concen: 58.59 ng

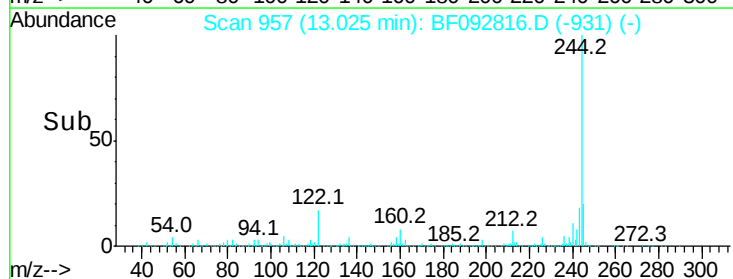
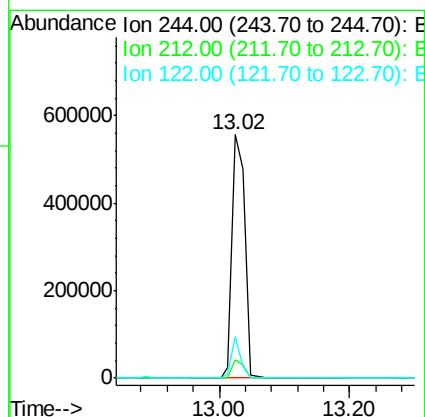
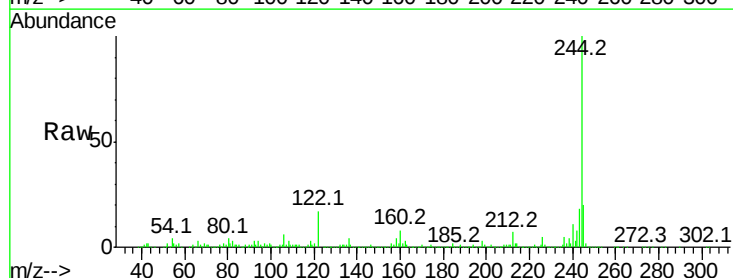
RT: 13.02 min Scan# 957

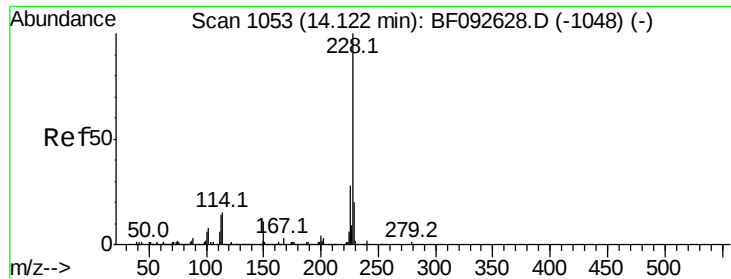
Delta R.T. -0.00 min

Lab File: BF092816.D

Acq: 7 Feb 2017 00:38

Tgt Ion:	244	Resp:	740024
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.2	9.2
122	16.8	11.4	17.2





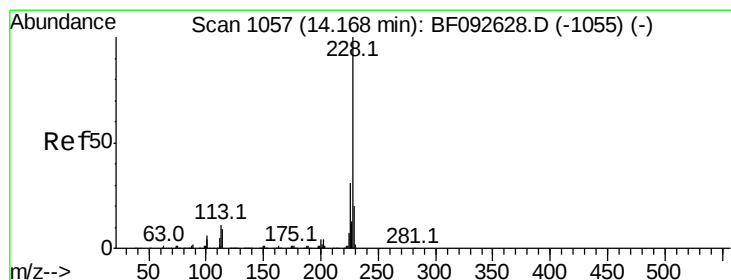
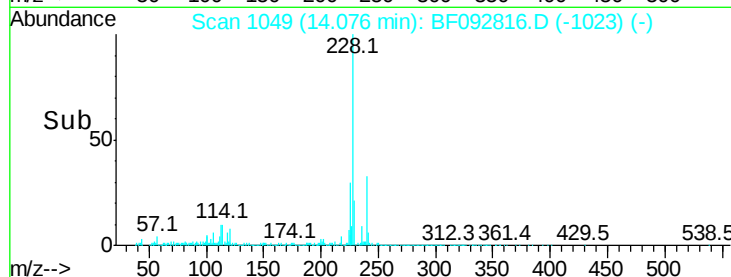
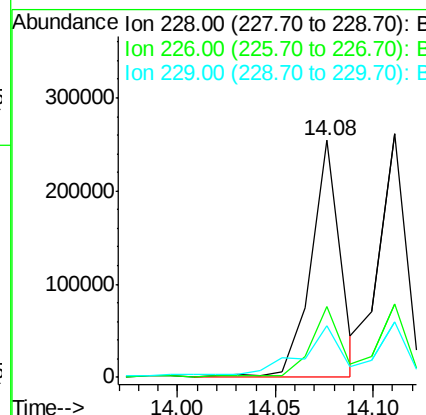
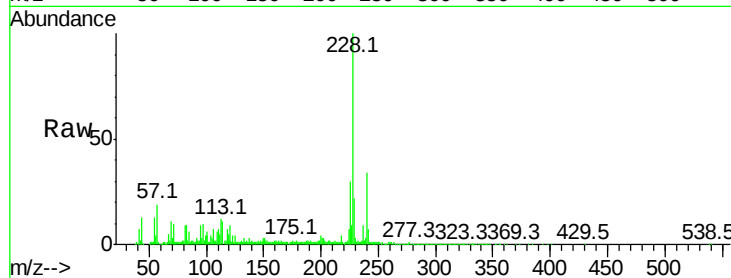
#80
Benzo(a)anthracene
Concen: 14.57 ng m
RT: 14.08 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Instrument :
BNA_F
ClientSampleId :
F-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.4	33.6
229	21.6	16.2	24.4

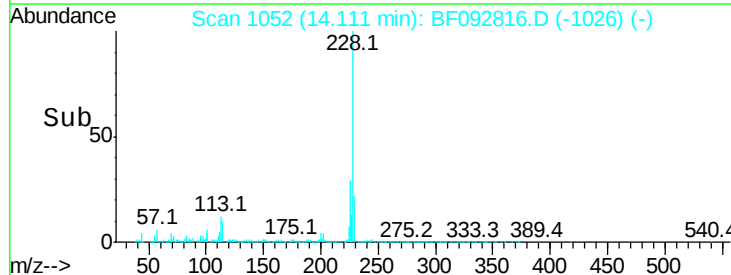
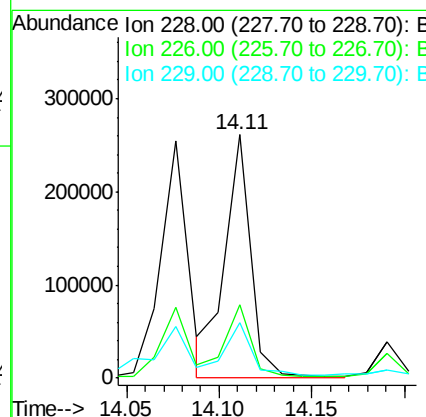
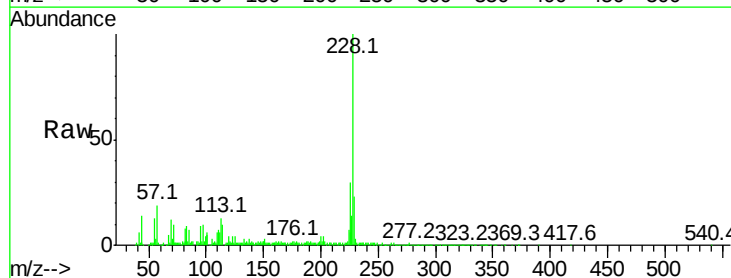
Manual Integrations
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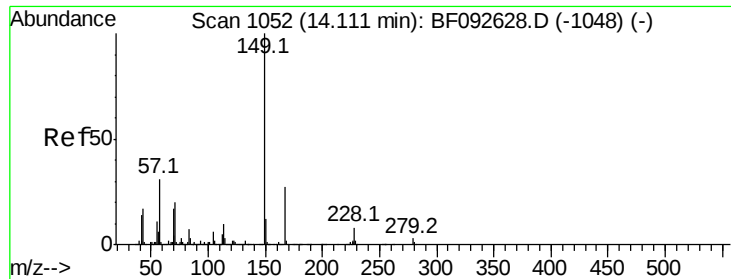
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#82
Chrysene
Concen: 15.01 ng m
RT: 14.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.0
229	22.6	16.2	24.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.36 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF092816.D

Acq: 7 Feb 2017 00:38

Instrument :

BNA_F

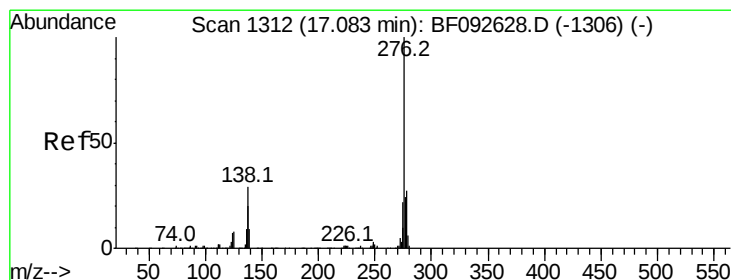
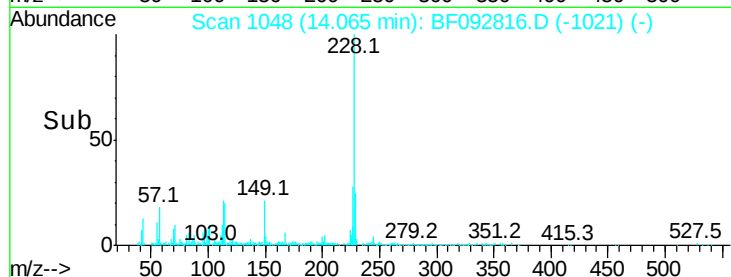
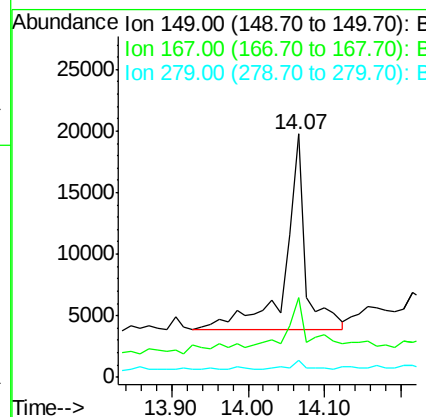
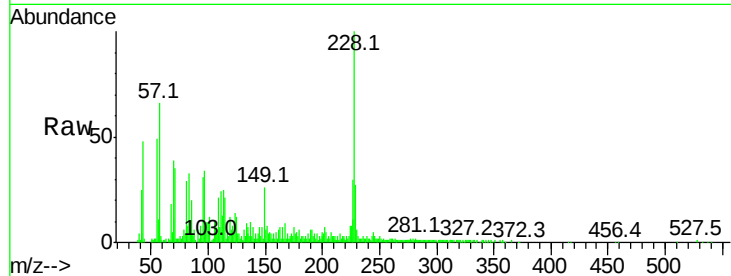
ClientSampled :

F-2

Tot Ion:	149	Resp:	29052
Ion Ratio	Lower	Upper	
149	100		
167	32.7	20.2	30.4#
279	7.0	1.8	2.8#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.69 ng

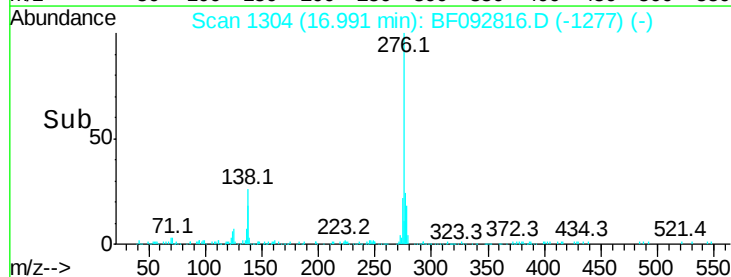
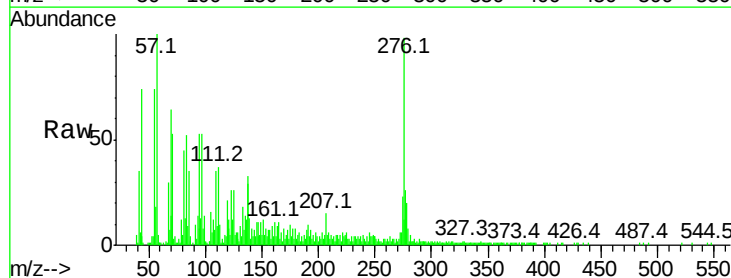
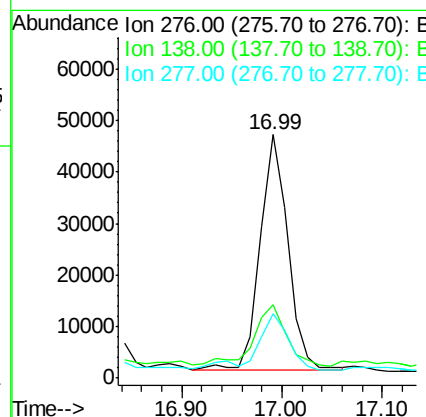
RT: 16.99 min Scan# 1304

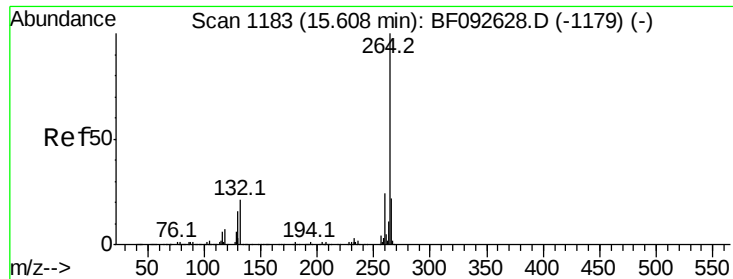
Delta R.T. 0.01 min

Lab File: BF092816.D

Acq: 7 Feb 2017 00:38

Tgt Ion:	276	Resp:	88011
Ion Ratio	Lower	Upper	
276	100		
138	30.1	21.8	32.6
277	28.0	20.2	30.4





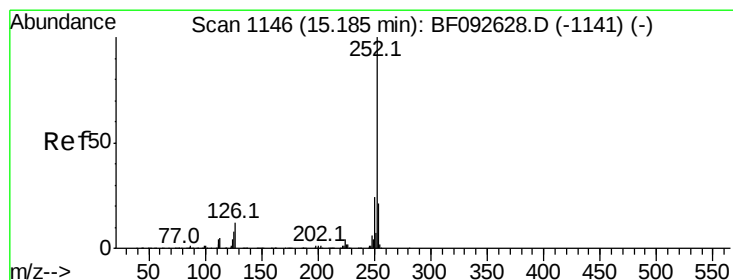
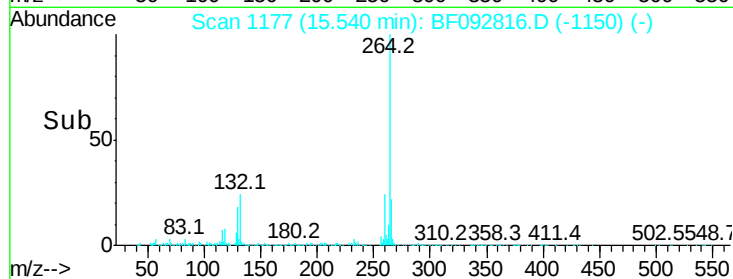
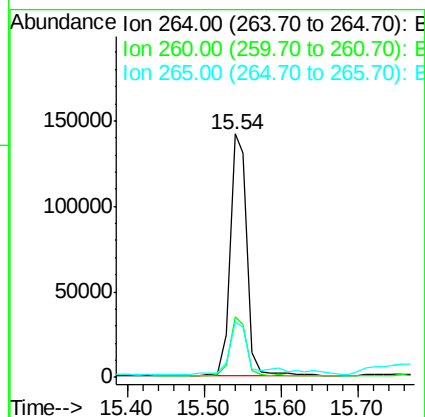
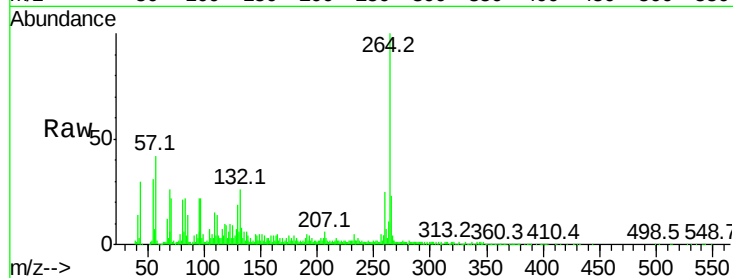
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1177
Delta R.T. 0.01 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Instrument :
BNA_F
ClientSampleId :
F-2

Tot Ion:	264	Resp:	220866
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.2	28.8
265	22.9	17.4	26.0

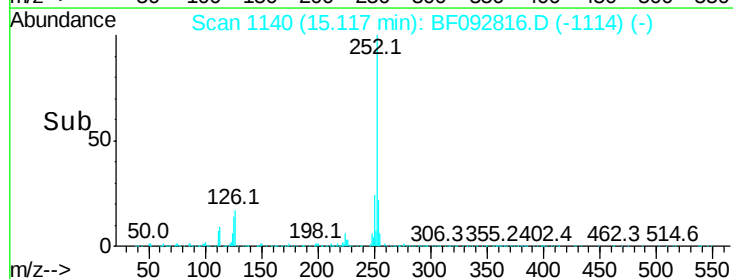
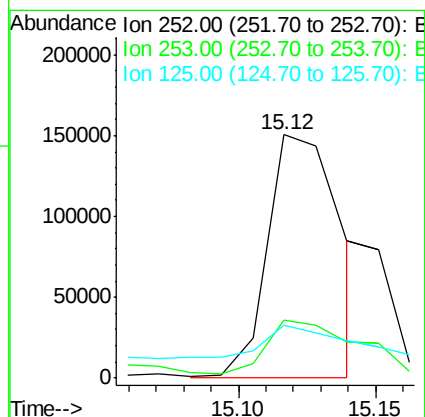
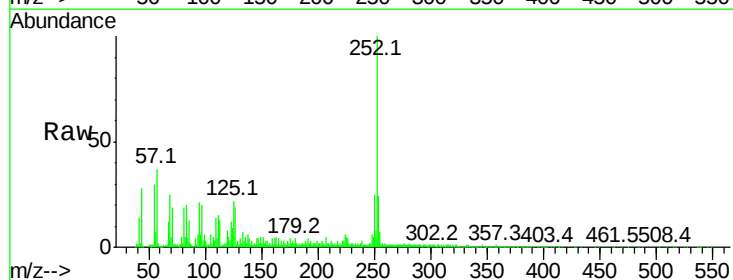
Manual Integrations
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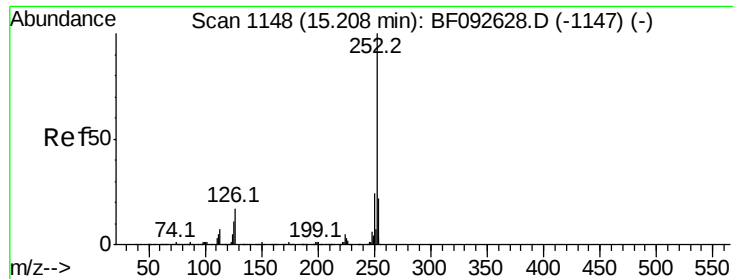
mohammad
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#87
Benzo(b)fluoranthene
Concen: 19.13 ng m
RT: 15.12 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Tgt Ion:	252	Resp:	278140
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.2	27.4
125	21.7	9.8	14.6#





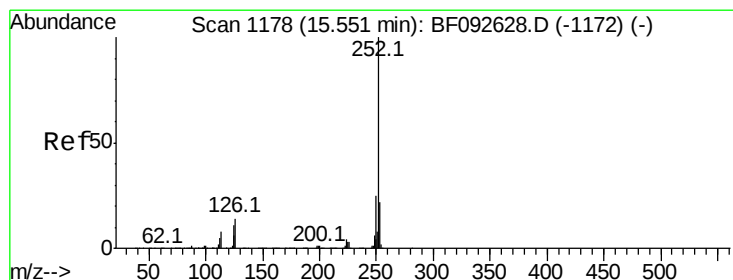
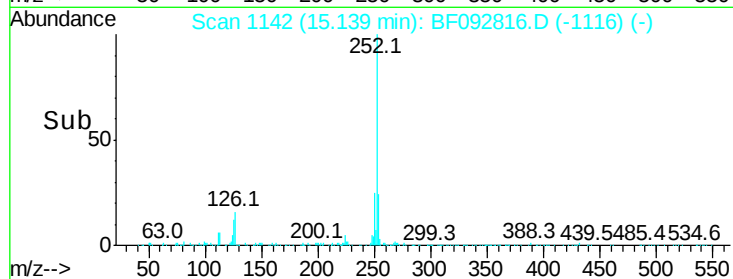
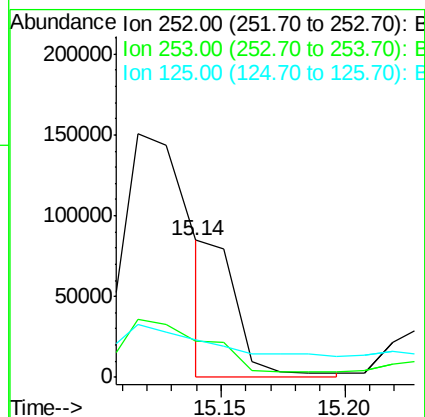
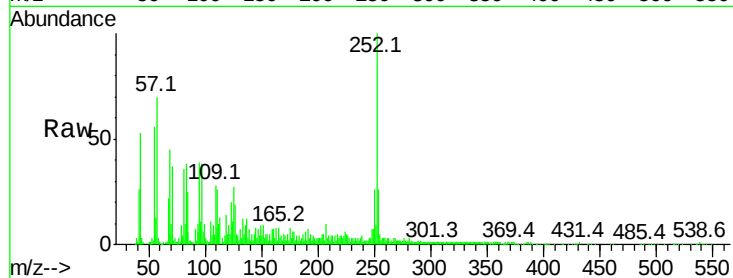
#88
Benzo(k)fluoranthene
Concen: 5.37 ng m
RT: 15.14 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Instrument :
BNA_F
ClientSampleId :
F-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.5	27.7
125	27.0	8.9	13.3

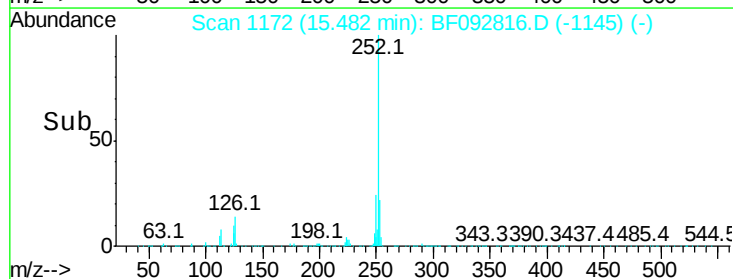
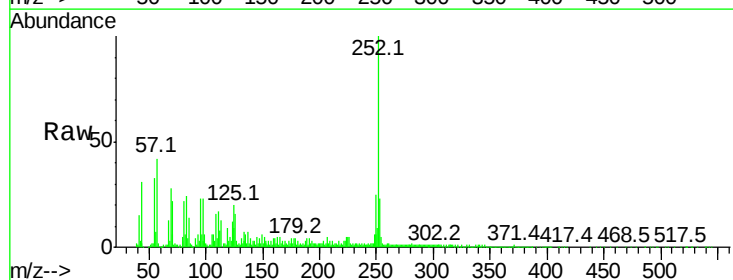
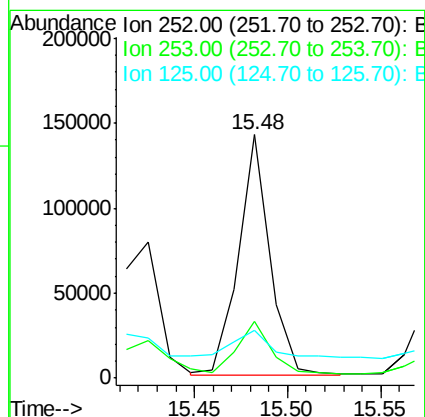
Manual Integrations
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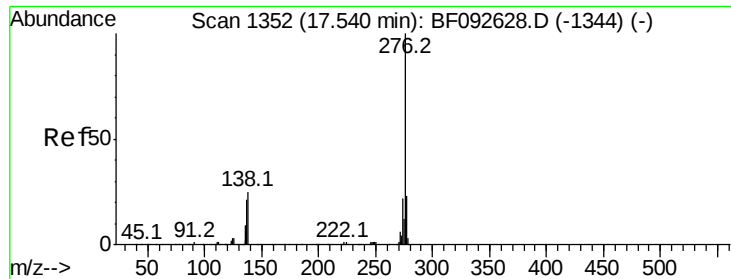
mohammad
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#89
Benzo(a)pyrene
Concen: 13.25 ng
RT: 15.48 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BF092816.D
Acq: 7 Feb 2017 00:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	19.7	10.0	15.0





#91
 Benzo(a,h,i)perylene
 Concen: 8.17 ng
 RT: 17.43 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: BF092816.D
 Acq: 7 Feb 2017 00:38

Instrument :
 BNA_F
 ClientSampled :
 F-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.0	19.2	28.8
138	32.1	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 2/7/2017 3:14:46 PM

