

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
 Data File : BF092659.D
 Acq On : 31 Jan 2017 3:00
 Operator : SJ/MA
 Sample : I1593-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2-7

Manual Integrations
 APPROVED

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 1/31/2017 4:46:04 PM

Quant Time: Jan 31 06:54:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	155188	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	587277	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	289253	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	374188	20.00	ng	0.00
75) Chrysene-d12	14.15	240	295071	20.00	ng	0.00
86) Perylene-d12	15.62	264	231265	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1471585	162.69	ng	0.01
7) Phenol-d6	6.61	99	1878323	161.39	ng	0.01
23) Nitrobenzene-d5	7.53	82	1057946	100.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	282246	134.91	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1722289	107.87	ng	0.00
78) Terphenyl-d14	13.08	244	1059703	84.38	ng	0.00
Target Compounds						
10) Phenol	6.62	94	134691	9.89	ng	Qvalue # 60
31) Naphthalene	8.27	128	407016	13.67	ng	99
37) 2-Methylnaphthalene	8.97	142	46188	2.42	ng	96
49) Dimethylphthalate	9.72	163	155502	7.98	ng	99
70) Phenanthrene	11.52	178	260749	12.16	ng	99
71) Anthracene	11.57	178	60248	2.80	ng	97
73) Di-n-butylphthalate	12.05	149	143507	6.45	ng	99
74) Fluoranthene	12.73	202	471974	21.34	ng	98
77) Pyrene	12.96	202	544906	24.68	ng	98
80) Benzo(a)anthracene	14.13	228	356073	19.73	ng	98
82) Chrysene	14.17	228	302208	17.89	ng	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	157181	12.01	ng	97
87) Benzo(b)fluoranthene	15.19	252	368725m	24.22	ng	
88) Benzo(k)fluoranthene	15.20	252	140302m	10.68	ng	
89) Benzo(a)pyrene	15.55	252	264514	20.09	ng	97
90) Dibenzo(a,h)anthracene	17.09	278	37522	3.53	ng	# 85
91) Benzo(a,h,i)perylene	17.54	276	165743	15.42	ng	# 95

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

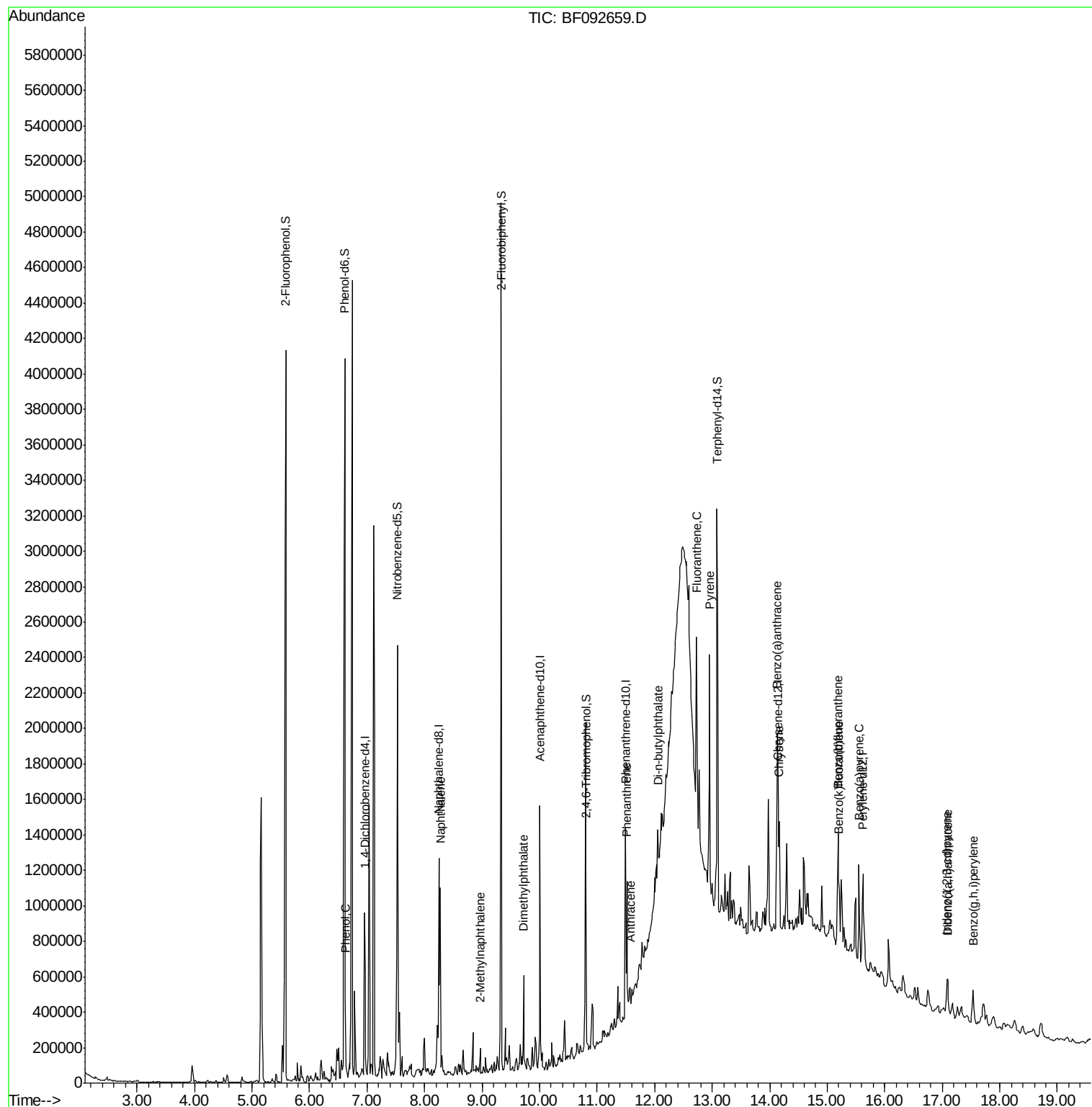
Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
Data File : BF092659.D
Acq On : 31 Jan 2017 3:00
Operator : SJ/MA
Sample : I1593-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

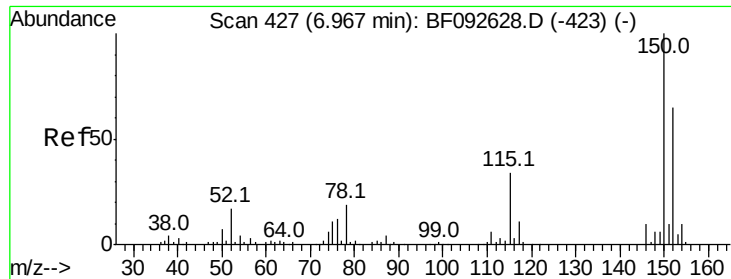
Instrument :
BNA_F
ClientSampled :
B2-7

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#1

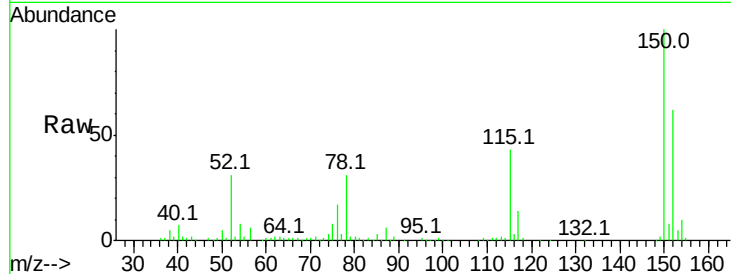
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.01 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Instrument :
BNA_F
ClientSampled :
B2-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.9	187.3
115	68.6	46.0	69.0

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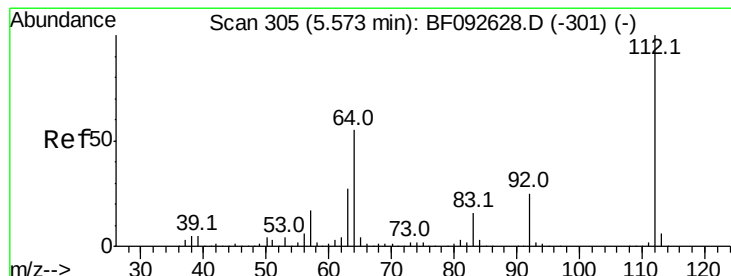
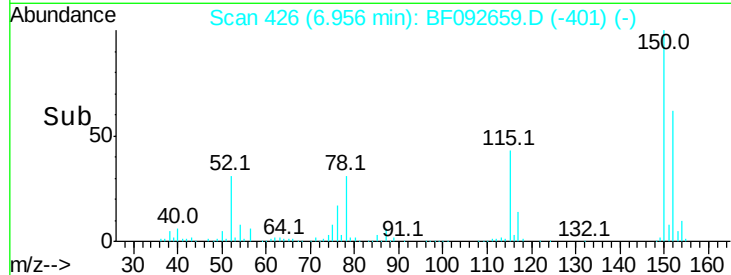
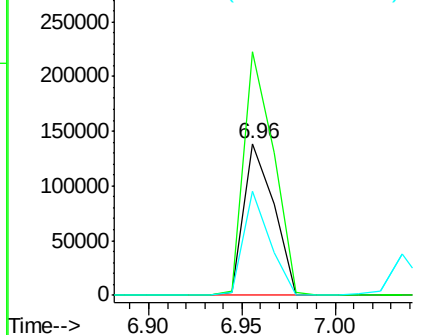


Abundance

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: 162.69 ng
RT: 5.58 min Scan# 306
Delta R.T. 0.01 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

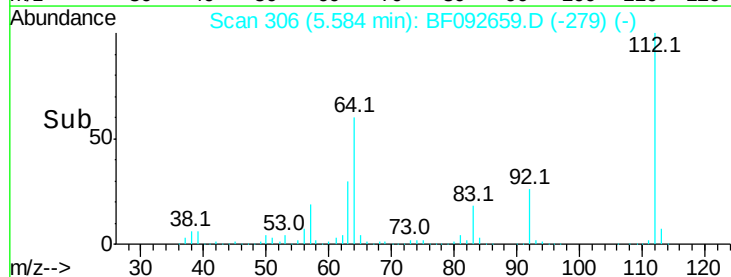
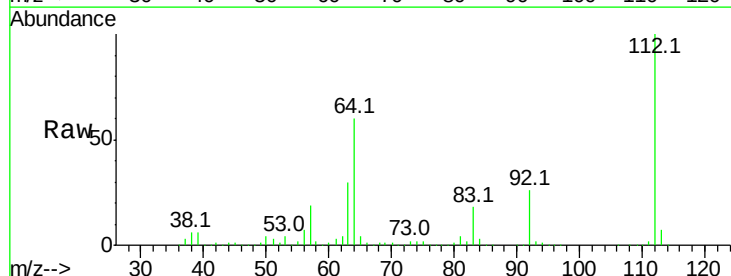
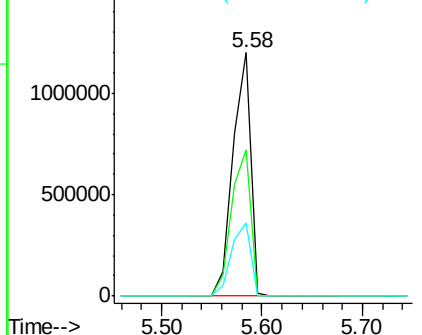
Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	46.1	69.1
63	30.3	23.8	35.6

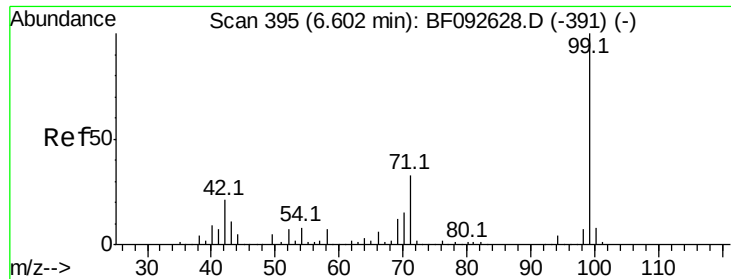
Abundance

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: 161.39 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampled :

B2-7

Tot Ion: 99 Resp: 1878323

Ion Ratio Lower Upper

99 100

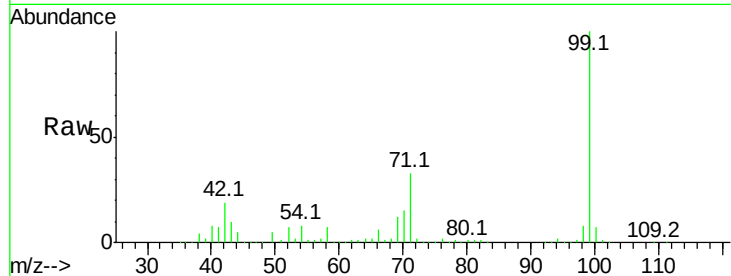
42 19.0 15.6 23.4

71 32.6 27.5 41.3

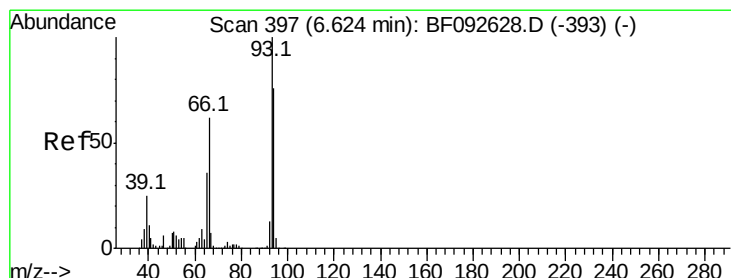
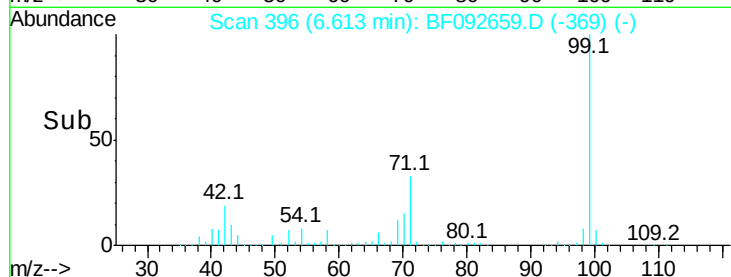
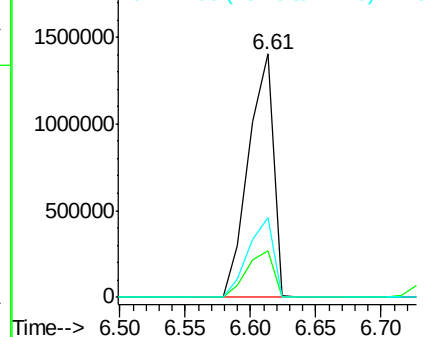
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 9.89 ng

RT: 6.62 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

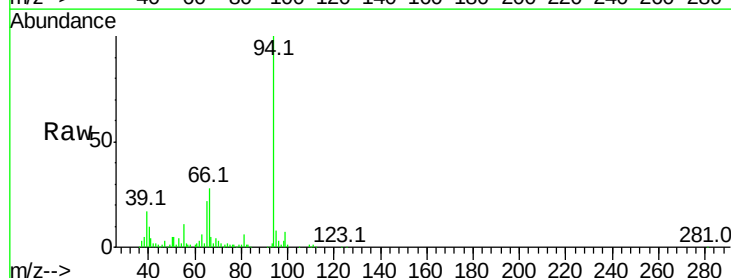
Tgt Ion: 94 Resp: 134691

Ion Ratio Lower Upper

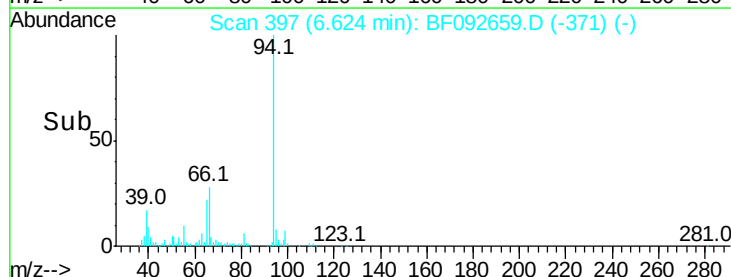
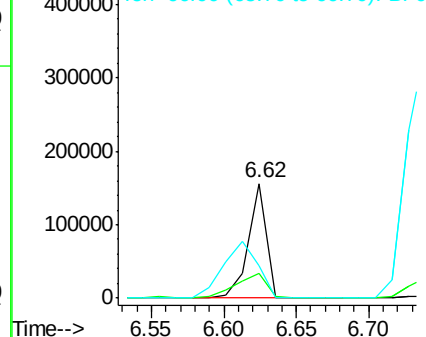
94 100

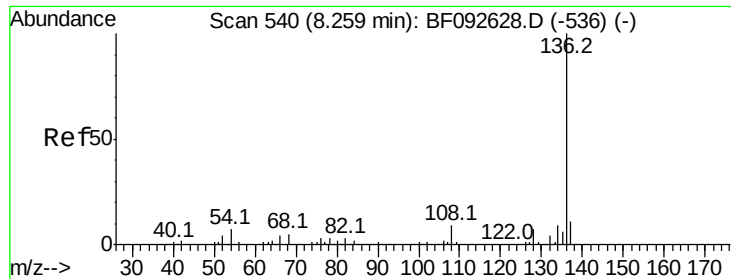
65 22.0 21.4 61.4

66 28.2 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





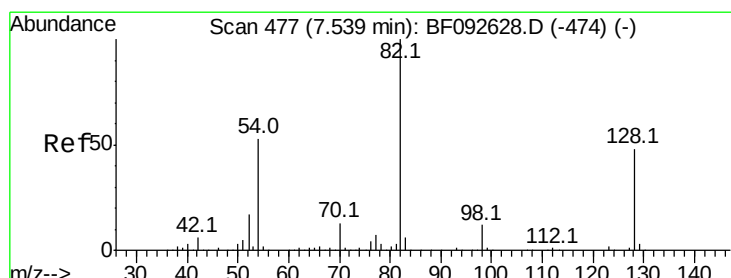
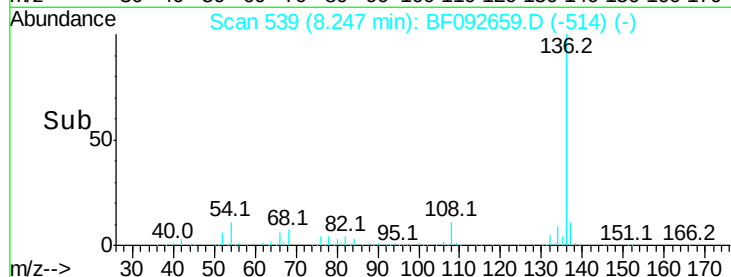
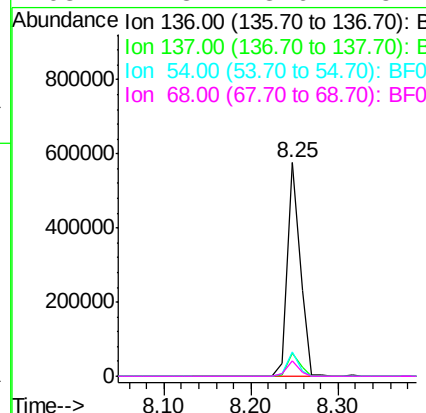
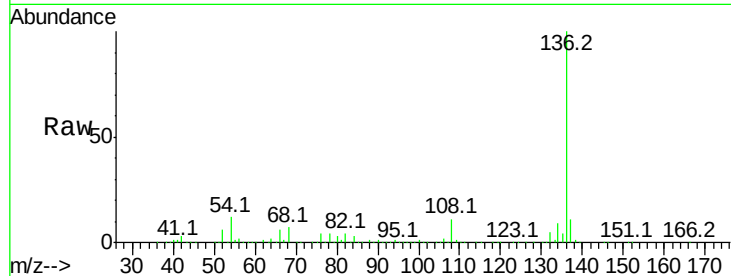
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Instrument :
BNA_F
ClientSampleId :
B2-7

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.4	12.6
54	11.5	4.5	6.7#
68	7.3	3.6	5.4#

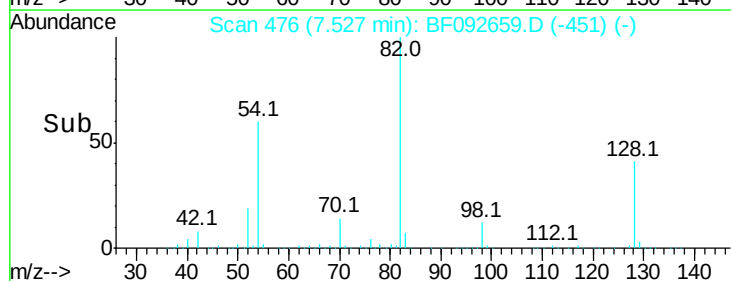
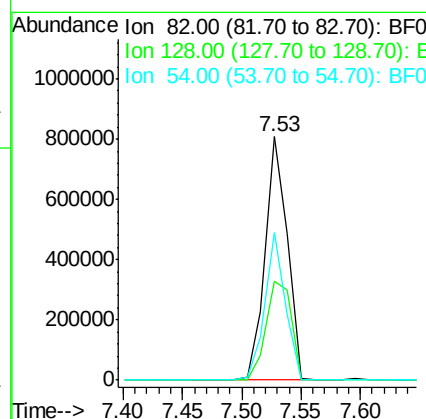
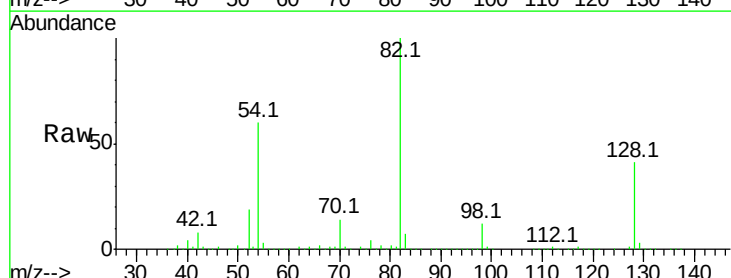
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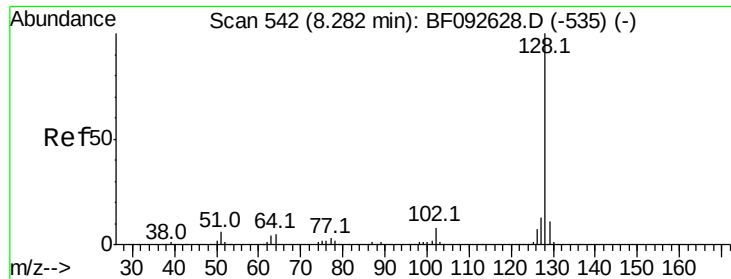
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#23
Nitrobenzene-d5
Concen: 100.32 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	40.5	34.6	52.0
54	60.5	39.5	59.3#





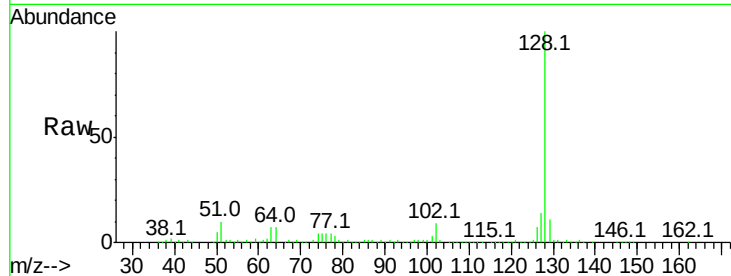
#31
Naphthalene
Concen: 13.67 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Instrument :
BNA_F
ClientSampleId :
B2-7

Tot Ion	Ratio	Resp	Lower	Upper
128	100	407016		
129	11.5		9.5	14.3
127	13.5		10.8	16.2

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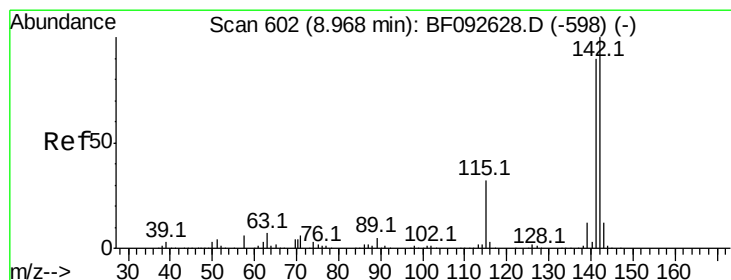
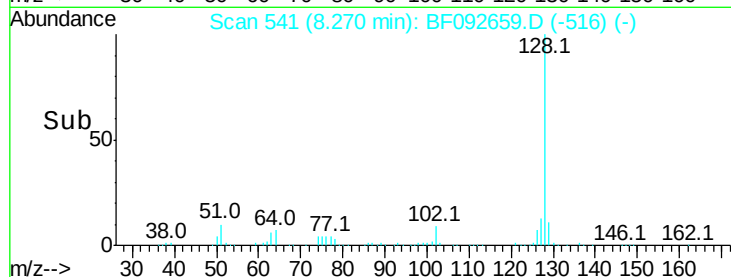
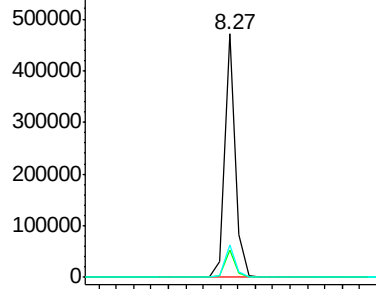


Abundance

Ion 128.00 (127.70 to 128.70): E

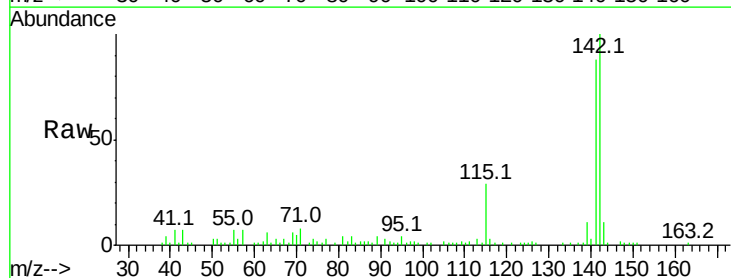
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37
2-Methylnaphthalene
Concen: 2.42 ng
RT: 8.97 min Scan# 602
Delta R.T. -0.00 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	46188		
141	87.7		71.0	106.6
115	28.8		28.3	42.5

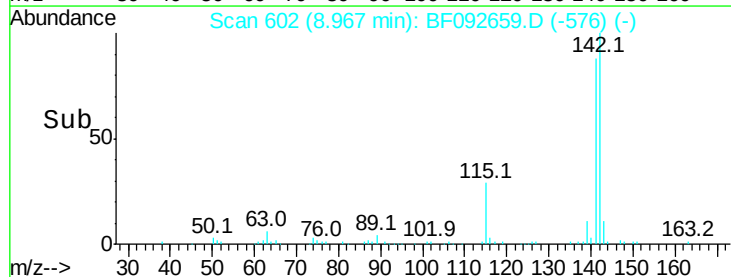
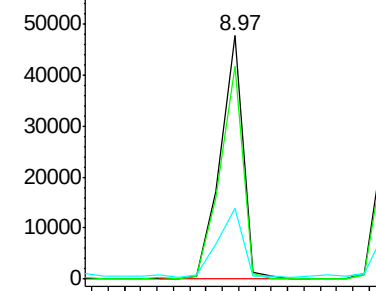


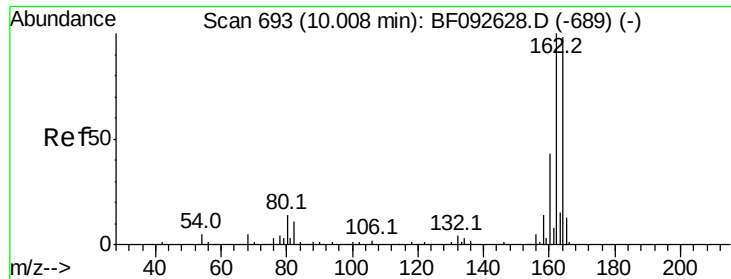
Abundance

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: 10.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

ClientSampleId :

B2-7

Tot Ion:164 Resp: 289253

Ion Ratio Lower Upper

164 100

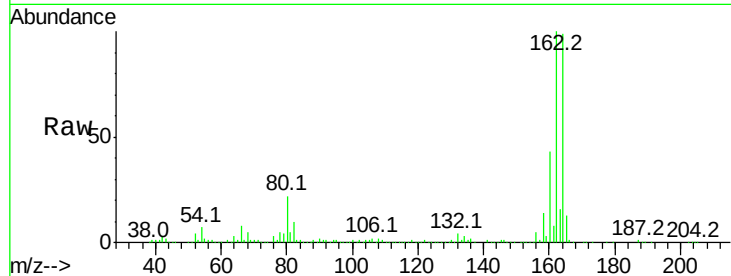
162 101.0 80.2 120.2

160 43.5 36.9 55.3

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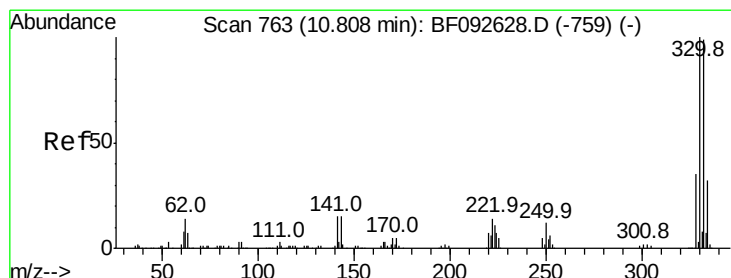
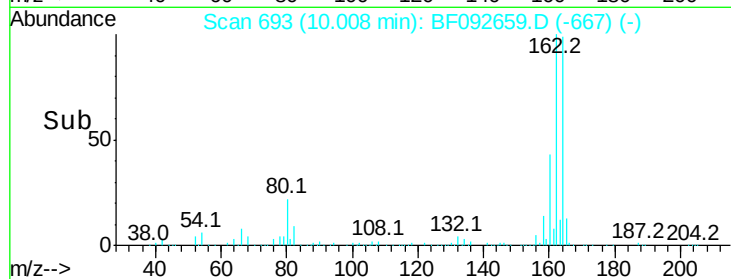
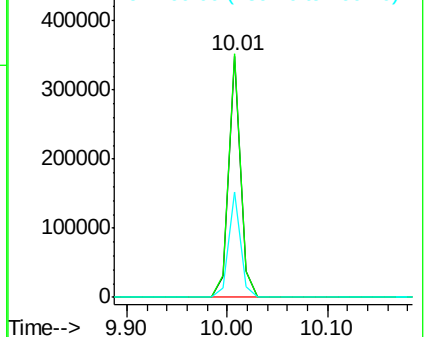
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 134.91 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

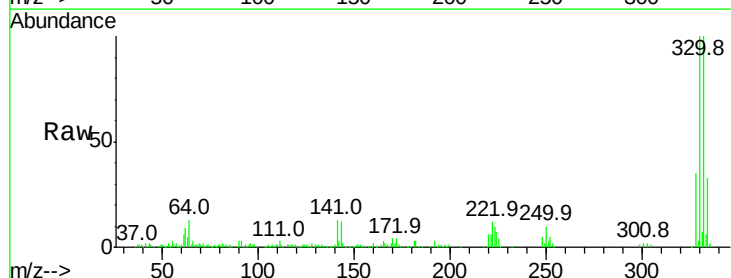
Tgt Ion:330 Resp: 282246

Ion Ratio Lower Upper

330 100

332 97.7 77.4 116.2

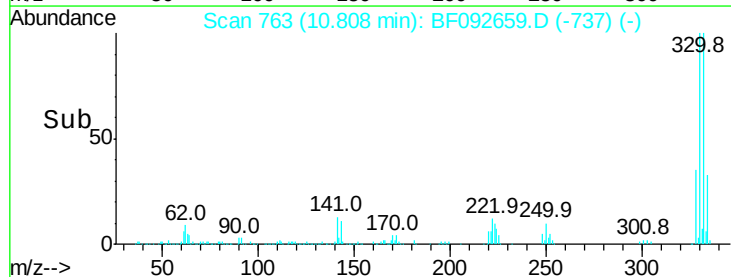
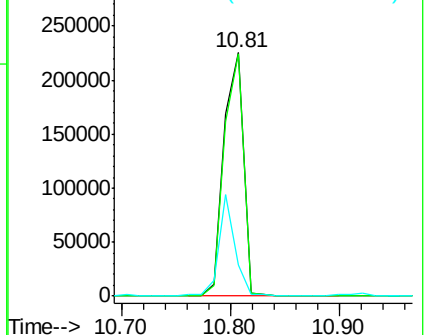
141 33.7 34.1 51.1#

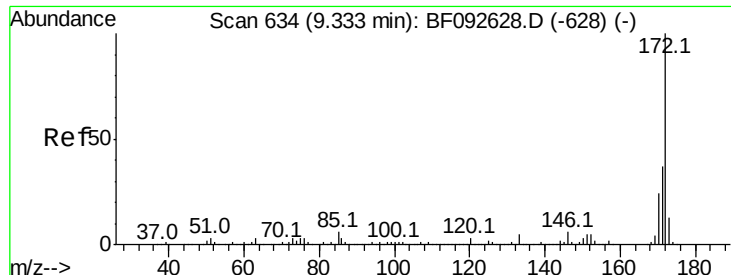


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





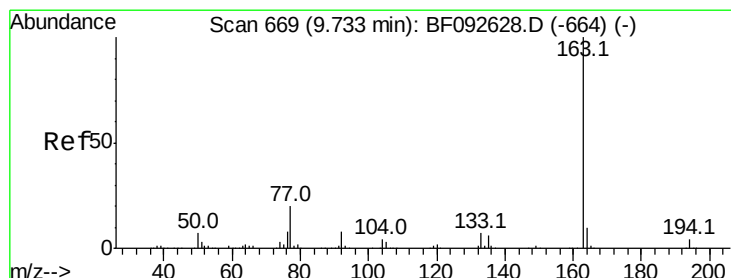
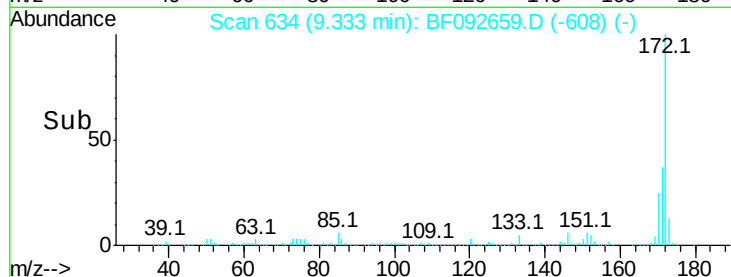
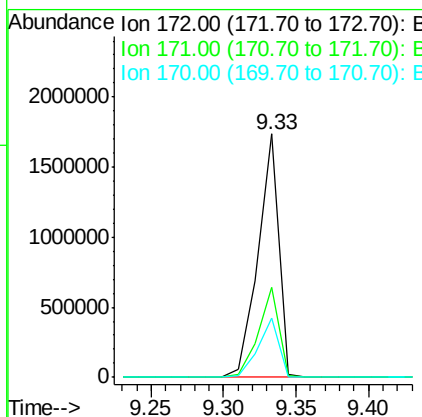
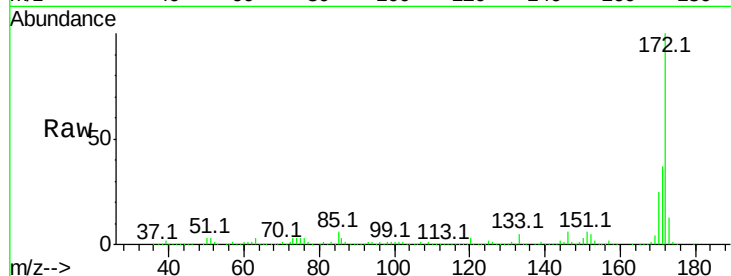
#44
2-Fluorobiphenyl
Concen: 107.87 ng
RT: 9.33 min Scan# 634
Delta R.T. -0.00 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Instrument :
BNA_F
ClientSampleId :
B2-7

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

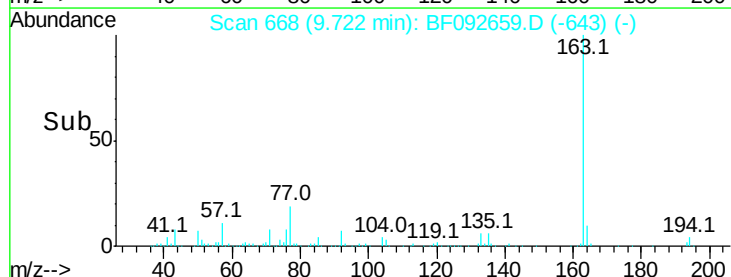
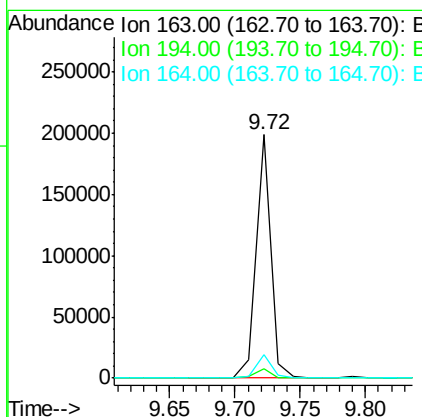
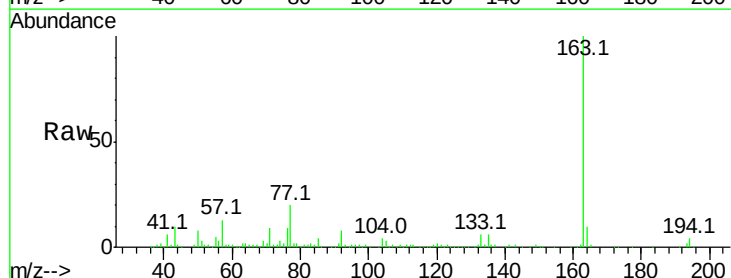
Manual Integrations
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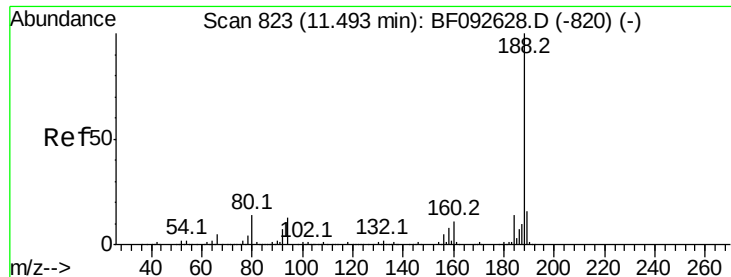
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#49
Dimethylphthalate
Concen: 7.98 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	9.7	8.0	12.0





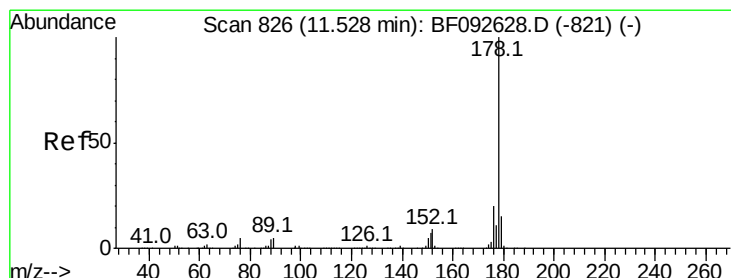
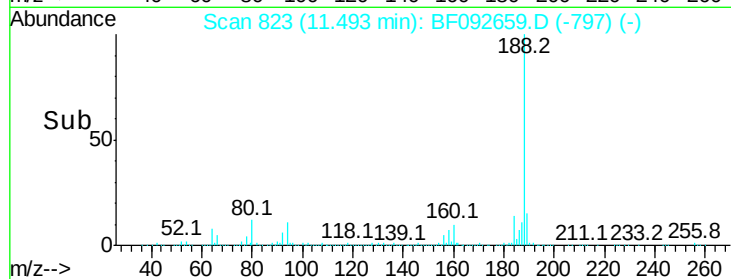
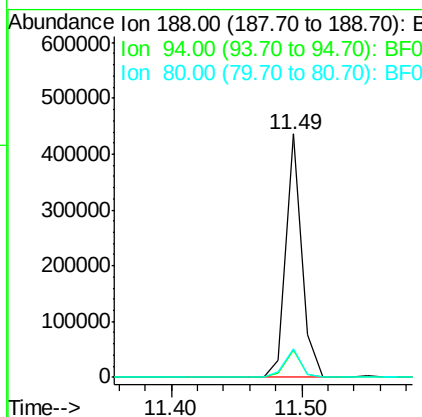
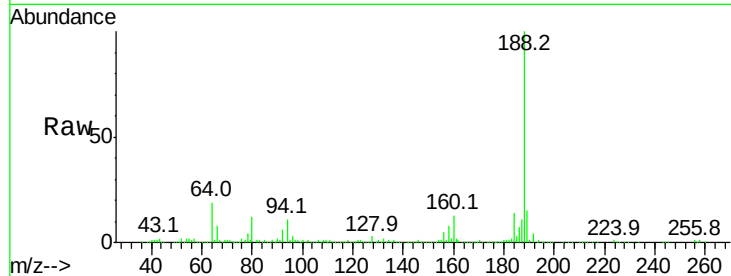
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Instrument :
BNA_F
ClientSampled :
B2-7

Tot Ion	Ratio	Resp	Lower	Upper
188	100	374188		
94	11.3		10.0	15.0
80	11.8		11.2	16.8

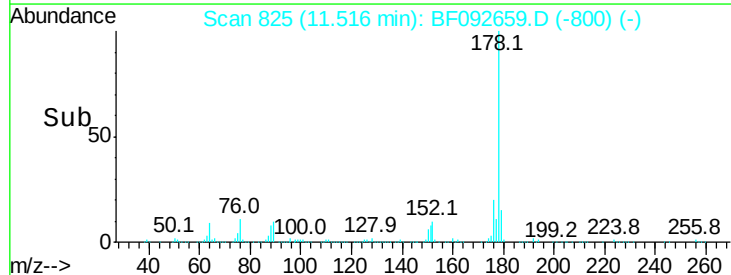
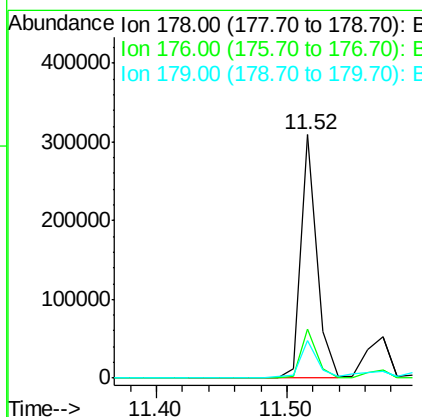
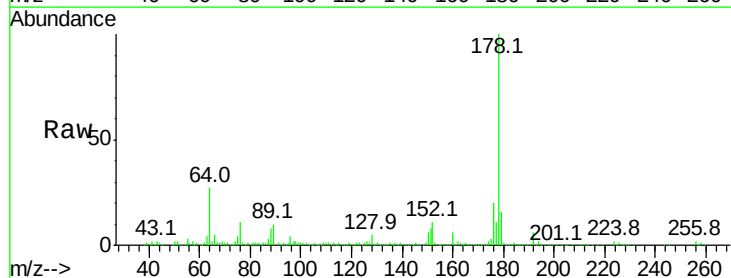
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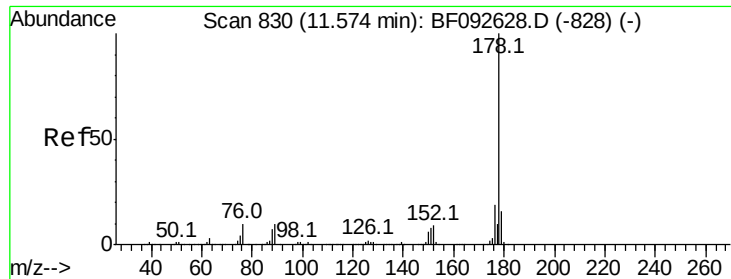
mohammad
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#70
Phenanthrene
Concen: 12.16 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	260749		
176	20.0		16.6	25.0
179	15.7		12.8	19.2





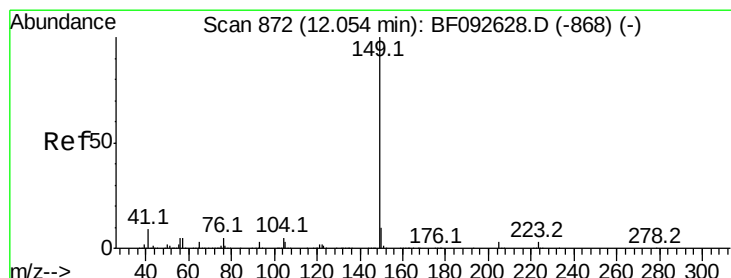
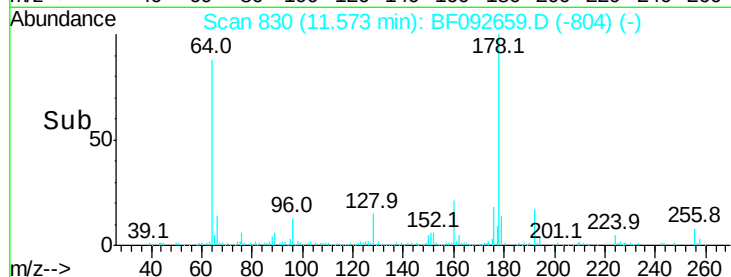
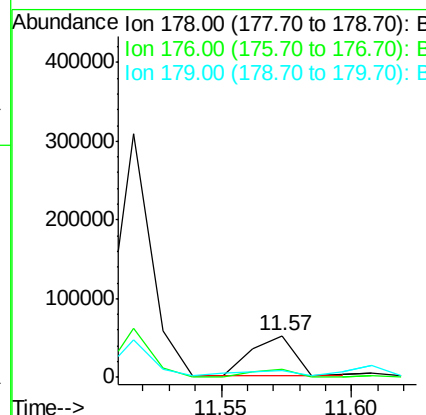
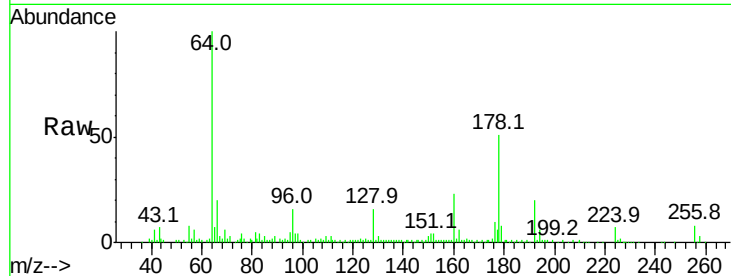
#71
 Anthracene
 Concen: 2.80 ng
 RT: 11.57 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

Instrument :
 BNA_F
 ClientSampleId :
 B2-7

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.9	23.9
179	15.4	13.2	19.8

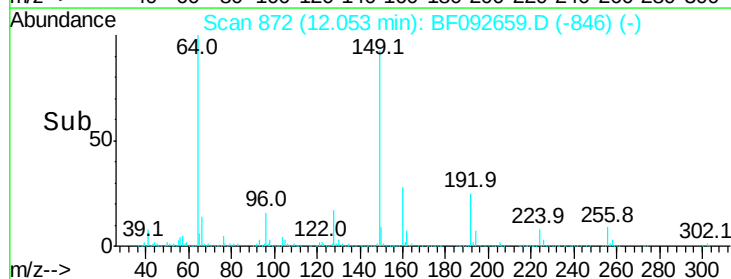
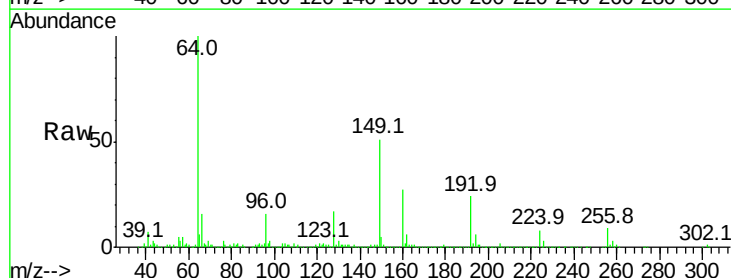
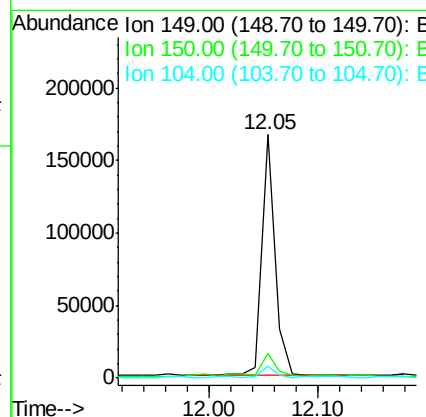
Manual Integrations
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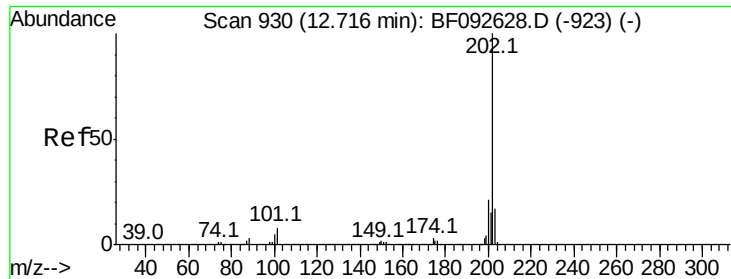
mohammad
 1/31/2017 4:46:04 PM



#73
 Di-n-butylphthalate
 Concen: 6.45 ng
 RT: 12.05 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	8.1	12.1
104	4.7	4.6	7.0





#74

Fluoranthene

Concen: 21.34 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

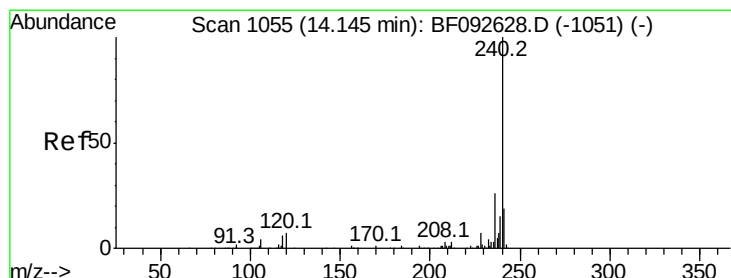
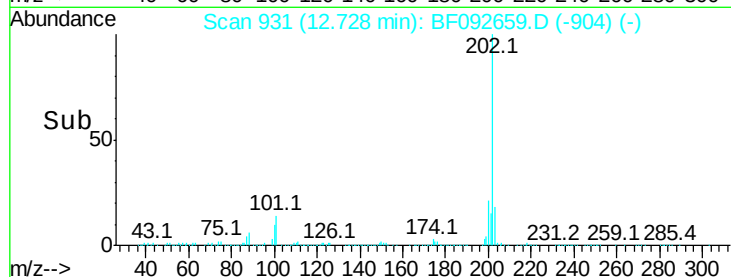
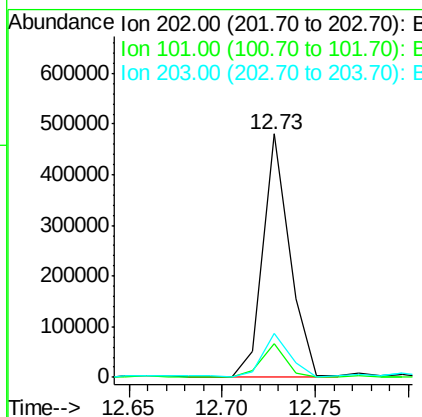
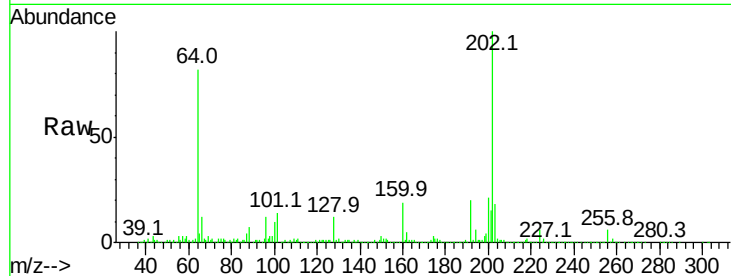
ClientSampleId :

B2-7

Tot Ion:	202	Resp:	471974
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	34.6
203	17.9	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

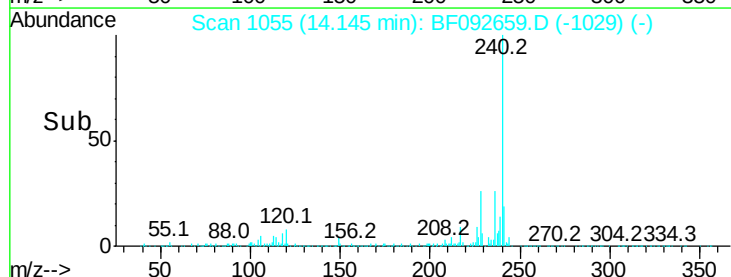
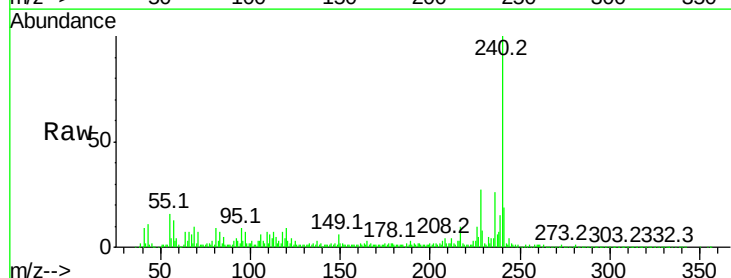
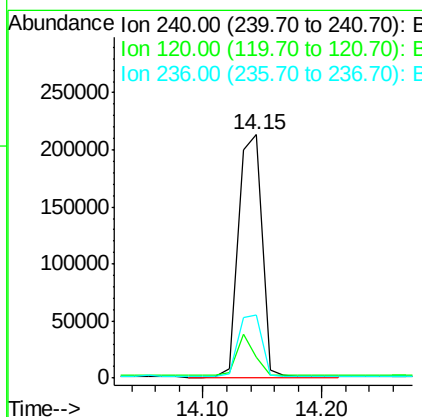
RT: 14.15 min Scan# 1055

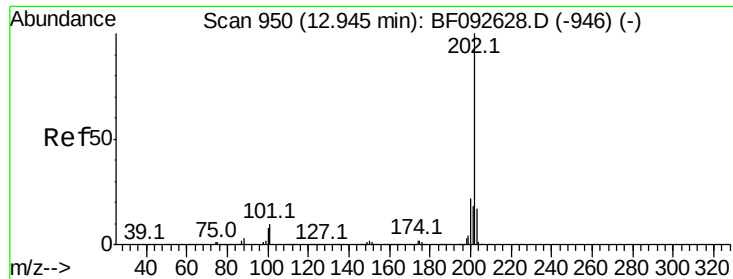
Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Tgt Ion:	240	Resp:	295071
Ion Ratio	Lower	Upper	
240	100		
120	8.7	12.9	19.3#
236	26.2	20.9	31.3





#77

Pvrene

Concen: 24.68 ng

RT: 12.96 min Scan# 951

Delta R.T. 0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

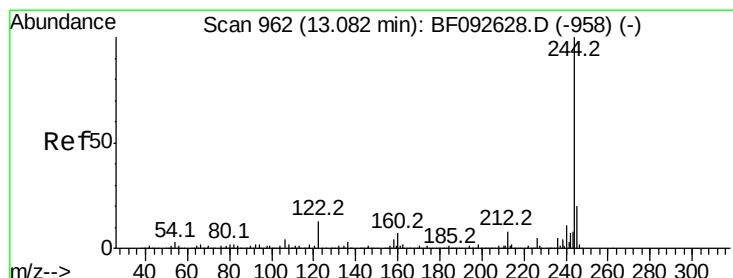
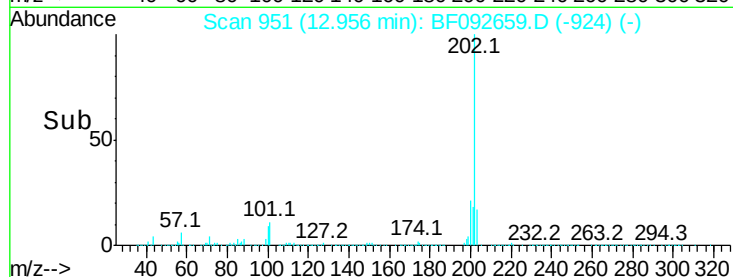
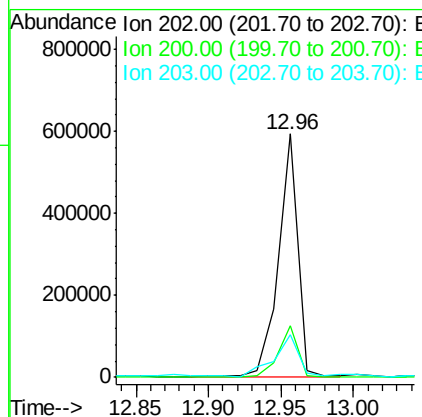
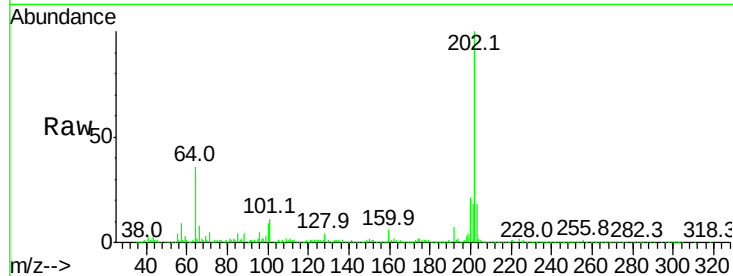
ClientSampleId :

B2-7

Tot Ion:	202	Resp:	544906
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.7	26.5
203	17.8	14.7	22.1

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#78

Terphenyl-d14

Concen: 84.38 ng

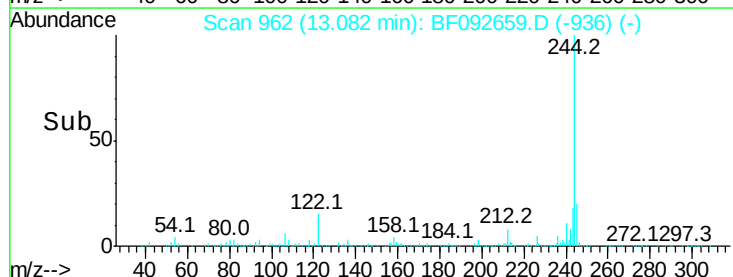
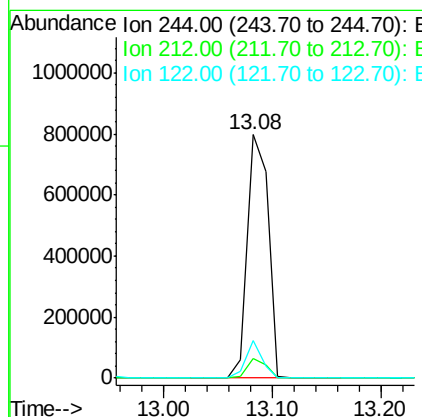
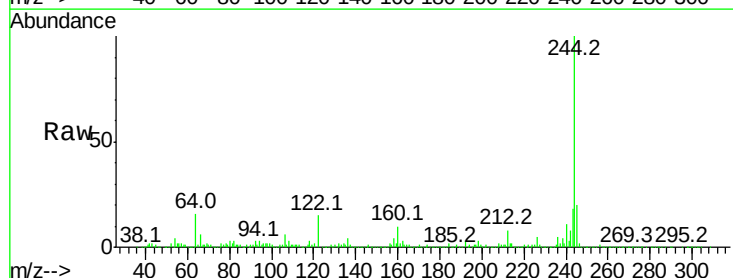
RT: 13.08 min Scan# 962

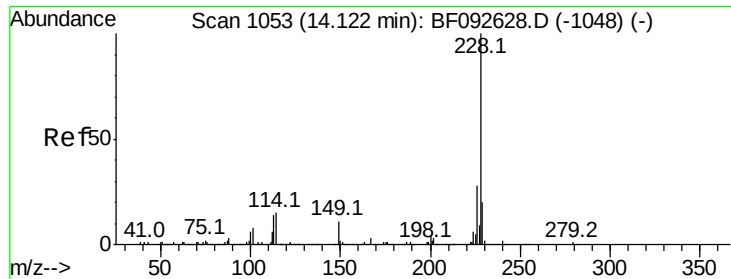
Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Tgt Ion:	244	Resp:	1059703
Ion Ratio		Lower	Upper
244	100		
212	8.1	6.2	9.2
122	15.5	11.4	17.2





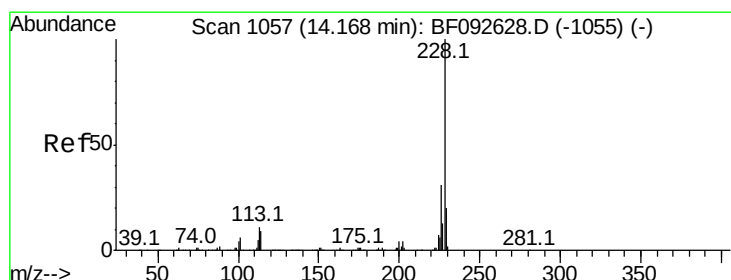
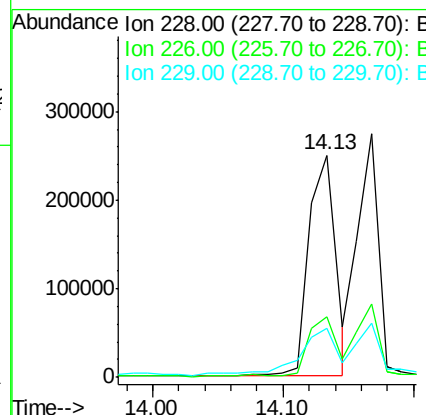
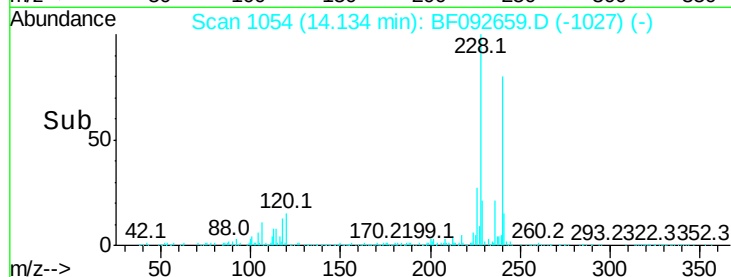
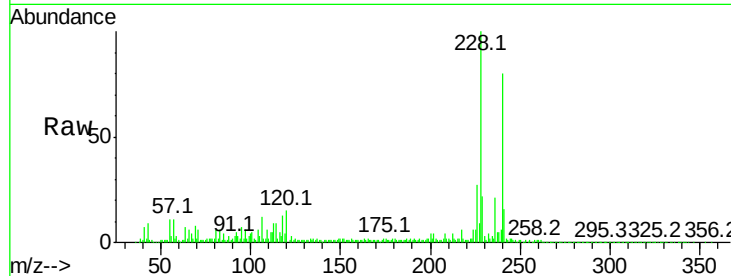
#80
Benzo(a)anthracene
Concen: 19.73 ng
RT: 14.13 min Scan# 1054
Delta R.T. 0.01 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Instrument :
BNA_F
ClientSampleId :
B2-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.4	33.6
229	22.2	16.2	24.4

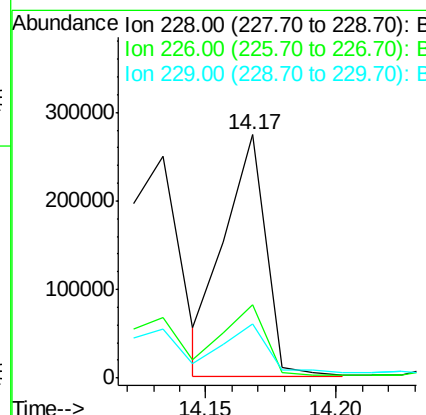
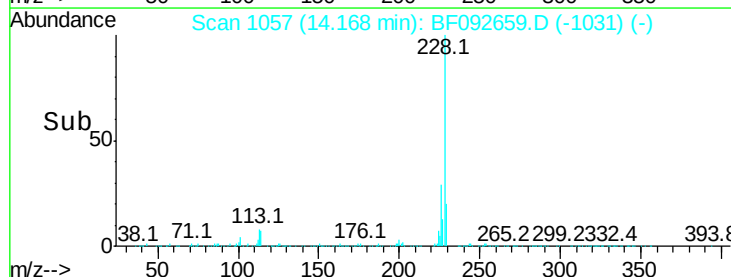
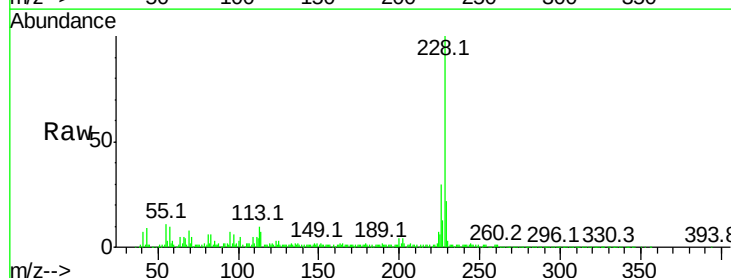
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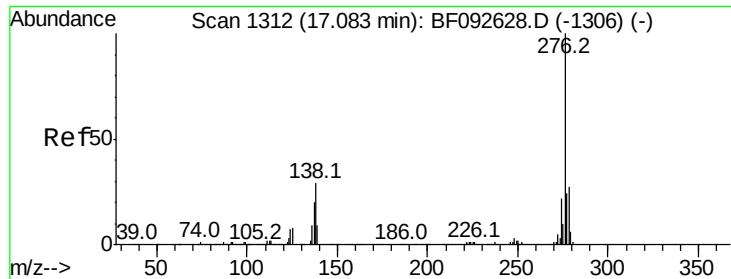
mohammad
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#82
Chrysene
Concen: 17.89 ng
RT: 14.17 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	22.3	16.2	24.2





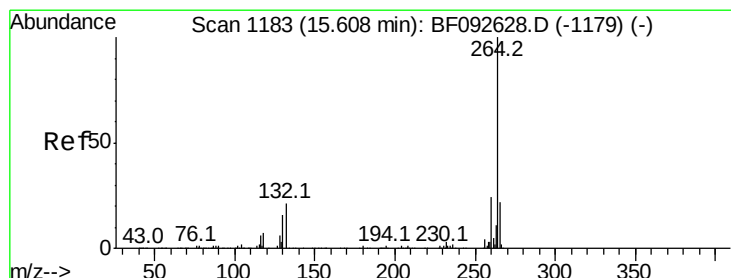
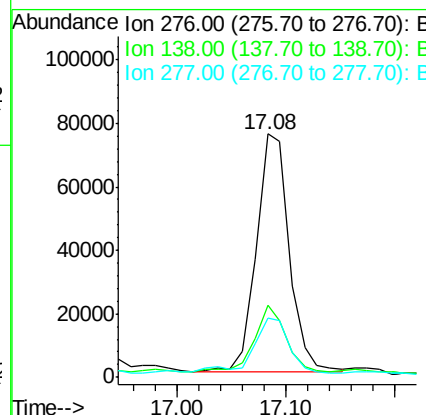
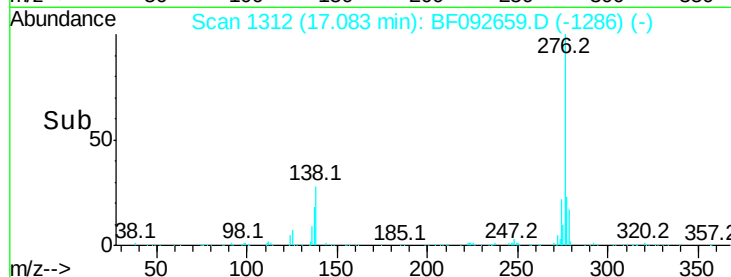
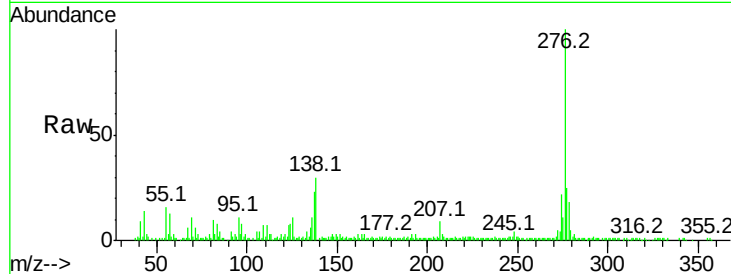
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.01 ng
RT: 17.08 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Instrument :
BNA_F
ClientSampled :
B2-7

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.8	32.6
277	28.4	20.2	30.4

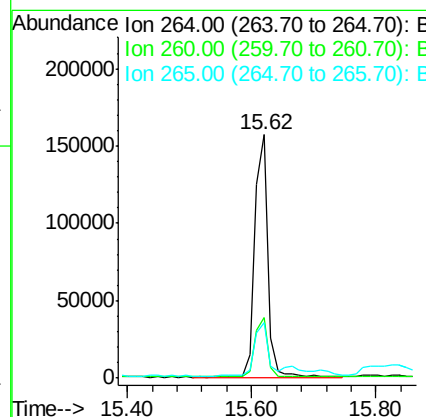
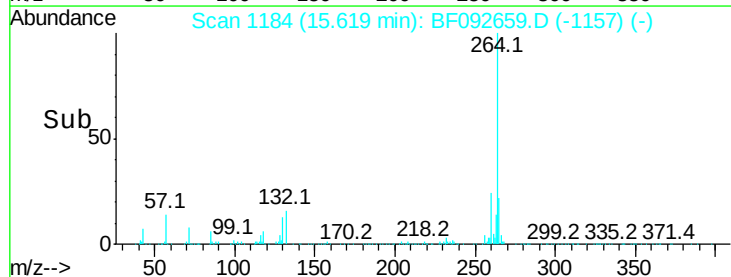
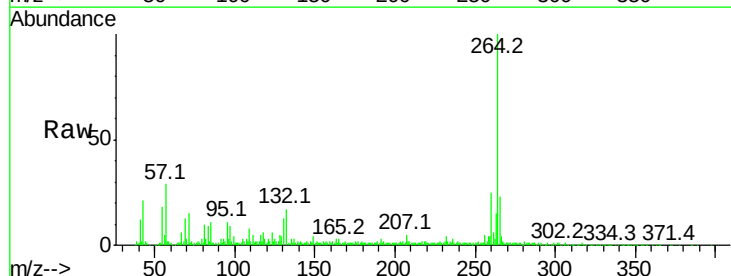
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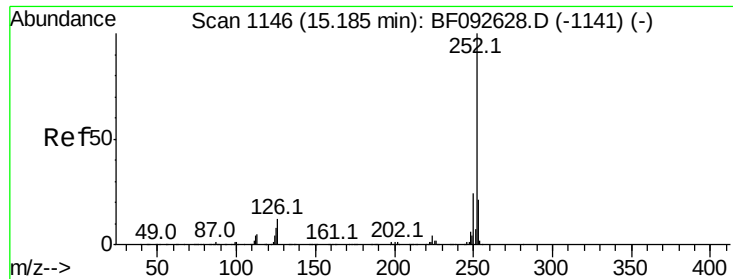
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.9	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 24.22 ng m

RT: 15.19 min Scan# 1146

Delta R.T. -0.00 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Instrument :

BNA_F

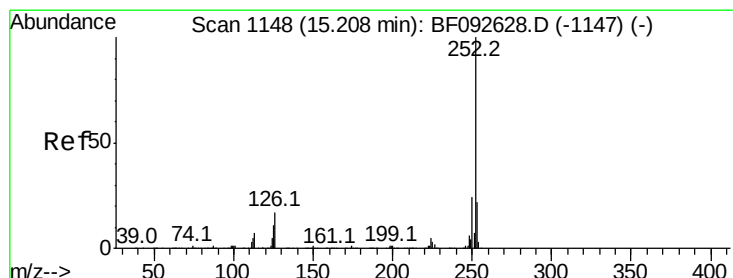
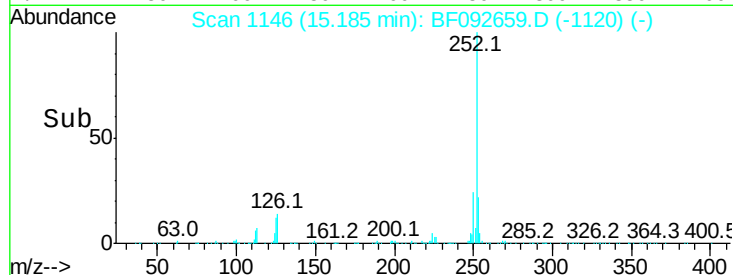
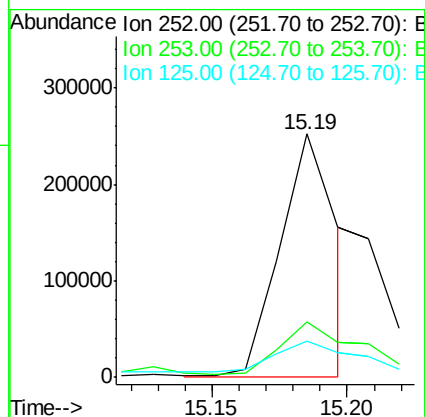
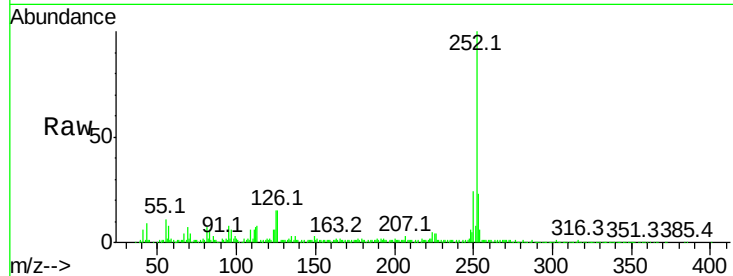
ClientSampled :

B2-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	14.9	9.8	14.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 10.68 ng m

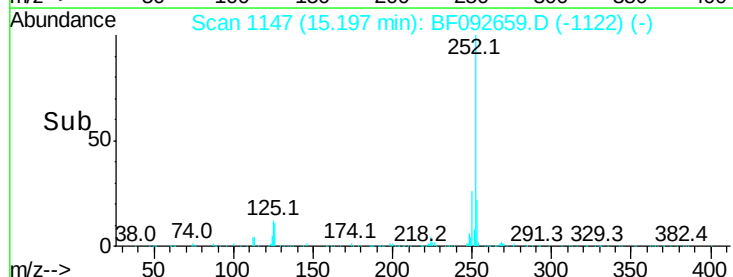
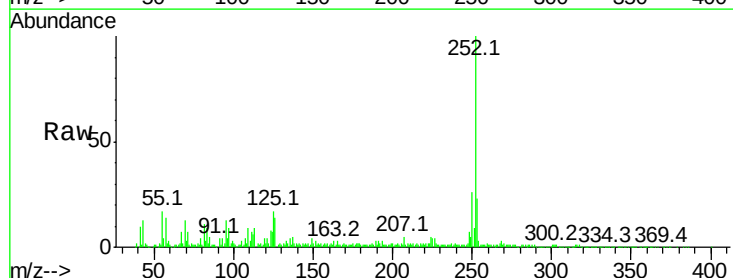
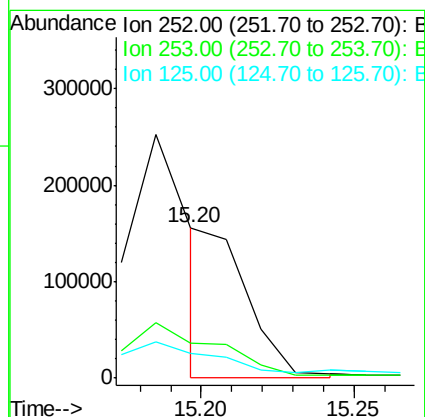
RT: 15.20 min Scan# 1147

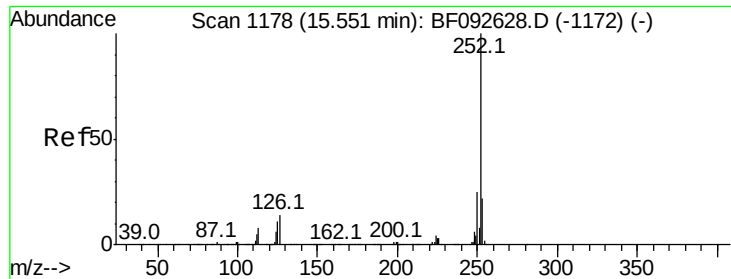
Delta R.T. -0.01 min

Lab File: BF092659.D

Acq: 31 Jan 2017 3:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	16.6	8.9	13.3#





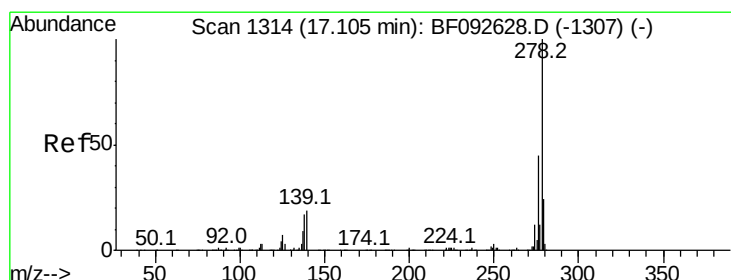
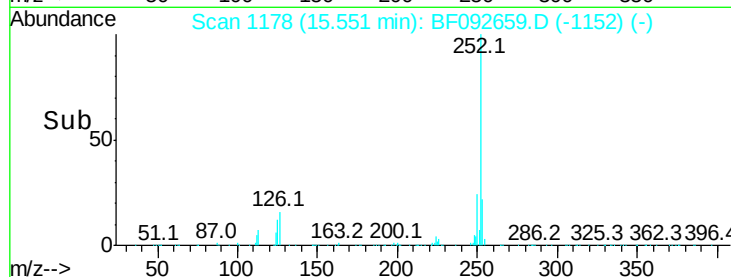
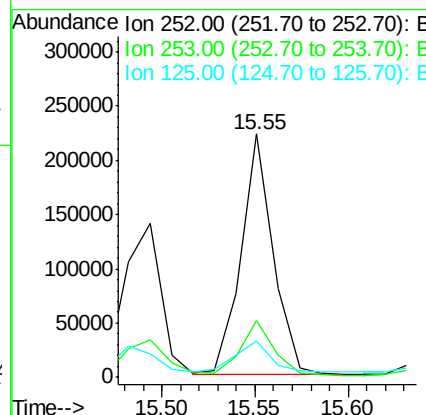
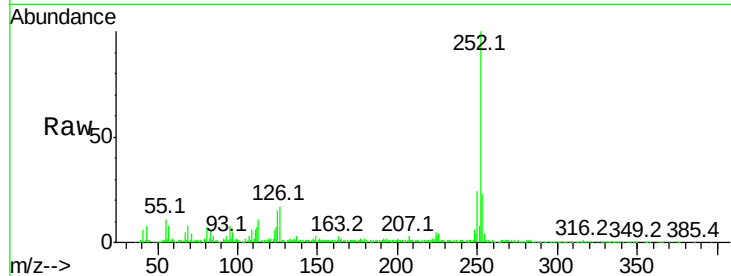
#89
Benzo(a)pyrene
Concen: 20.09 ng
RT: 15.55 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Instrument :
BNA_F
ClientSampleId :
B2-7

Tot Ion	Ratio	Resp	Lower	Upper
252	100	264514		
253	23.5	18.2	27.2	
125	15.0	10.0	15.0	

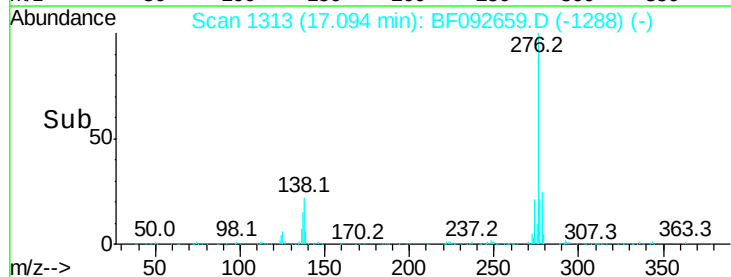
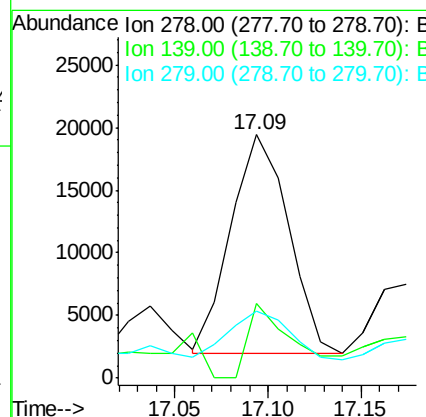
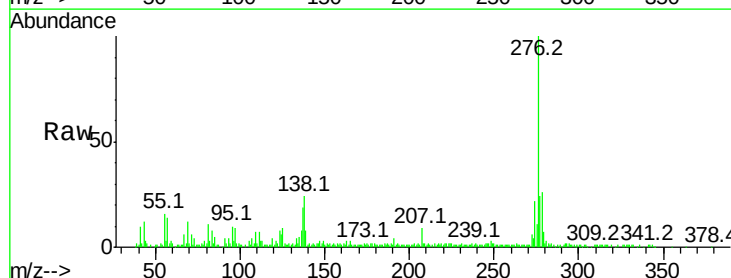
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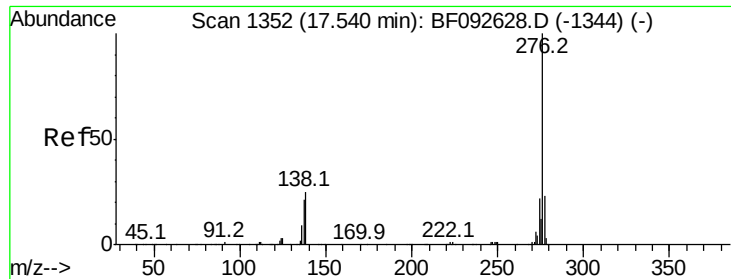
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 3.53 ng
RT: 17.09 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF092659.D
Acq: 31 Jan 2017 3:00

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	37522		
139	30.9	14.8	22.2	#
279	27.6	19.8	29.6	





#91
 Benzo(a,h,i)perylene
 Concen: 15.42 ng
 RT: 17.54 min Scan# 1352
 Delta R.T. -0.00 min
 Lab File: BF092659.D
 Acq: 31 Jan 2017 3:00

Instrument :
 BNA_F
 ClientSampleId :
 B2-7

Tot Ion:	276	Resp:	165743
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.2	28.8
138	24.5	16.0	24.0

Manual Integrations
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