

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022017\
 Data File : BF093053.D
 Acq On : 21 Feb 2017 2:39
 Operator : SJ/MA
 Sample : I1915-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1-1

Manual Integrations
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 2/21/2017 3:57:50 PM

Quant Time: Feb 21 03:17:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	156667	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	602153	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	264482	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	435616	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	308756	20.00	ng	-0.01
86) Perylene-d12	15.44	264	321100	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1011166	110.73	ng	0.00
7) Phenol-d6	6.49	99	1259070	107.16	ng	0.00
23) Nitrobenzene-d5	7.41	82	706404	65.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	216500	113.18	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1030236	70.57	ng	-0.01
78) Terphenyl-d14	12.96	244	682796	51.96	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.40	77	17566	2.09	ng	# 80
10) Phenol	6.50	94	42845	3.12	ng	# 69
31) Naphthalene	8.16	128	217776	7.13	ng	98
49) Dimethylphthalate	9.61	163	416626	23.39	ng	100
70) Phenanthrene	11.39	178	278099	11.14	ng	98
71) Anthracene	11.45	178	69574	2.78	ng	99
74) Fluoranthene	12.59	202	526661	20.46	ng	95
77) Pyrene	12.81	202	478898	20.73	ng	98
80) Benzo(a)anthracene	14.00	228	296752m	15.71	ng	
82) Chrysene	14.03	228	286639m	16.21	ng	
85) Indeno(1,2,3-cd)pyrene	16.84	276	215085	15.71	ng	96
87) Benzo(b)fluoranthene	15.03	252	438630m	20.75	ng	
88) Benzo(k)fluoranthene	15.05	252	87770m	4.81	ng	
89) Benzo(a)pyrene	15.38	252	317171	17.35	ng	98
90) Dibenzo(a,h)anthracene	16.84	278	65517	4.43	ng	# 76
91) Benzo(g,h,i)perylene	17.27	276	216343	14.49	ng	# 90

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

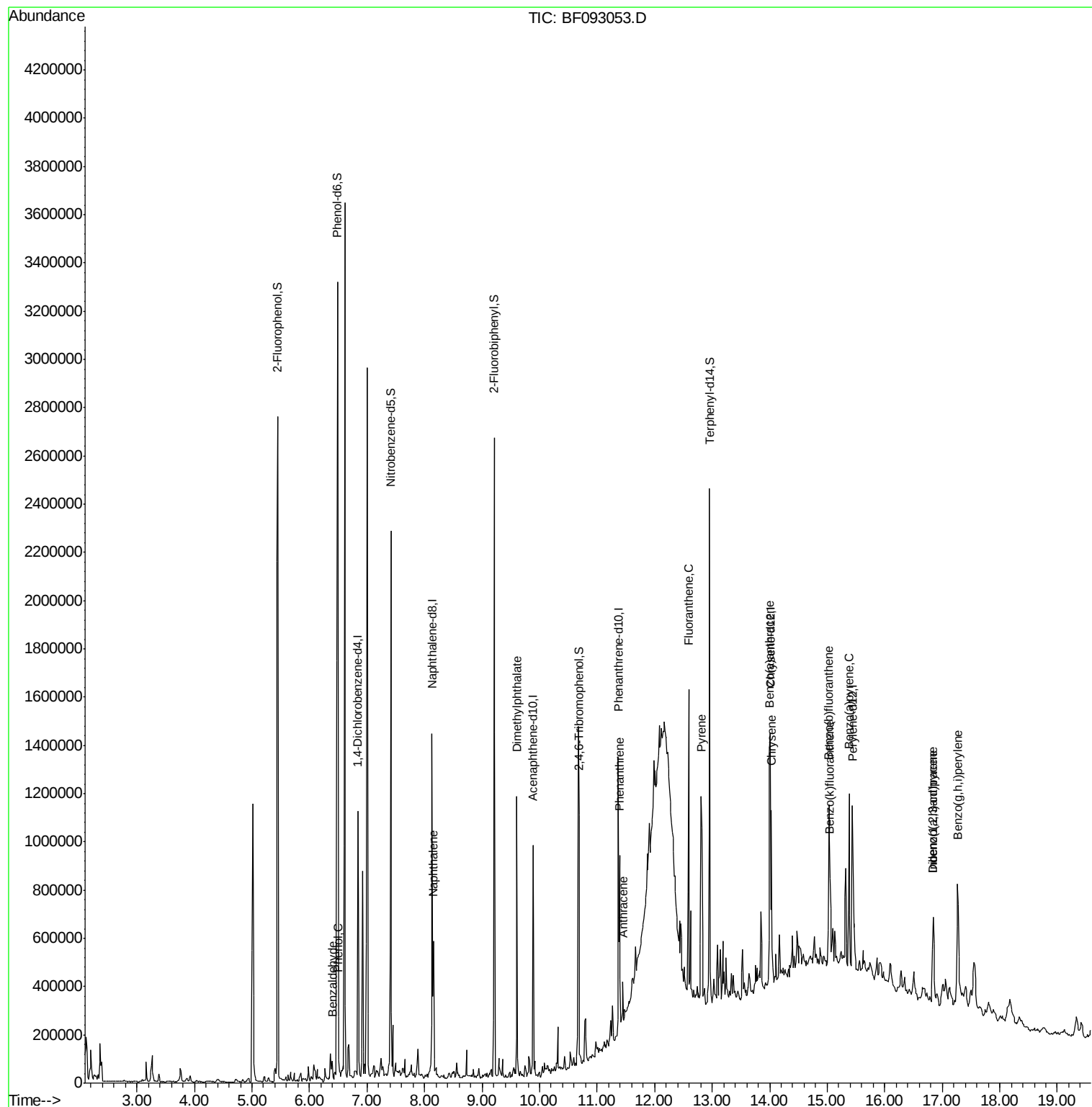
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022017\
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Acq On : 21 Feb 2017 2:39
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Sample : I1915-03
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ALS Vial : 25 Sample Multiplier: 1

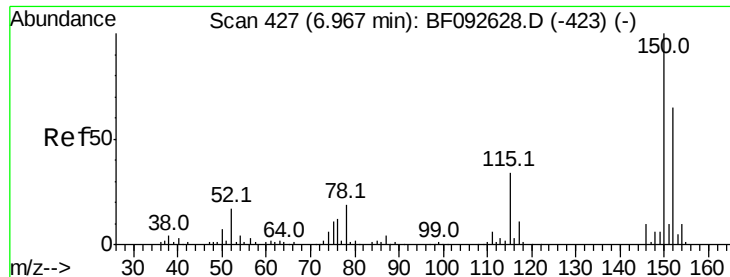
Instrument :
BNA_F
ClientSampleId :
B1-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093053.D

Acq: 21 Feb 2017 2:39

Instrument :

BNA_F

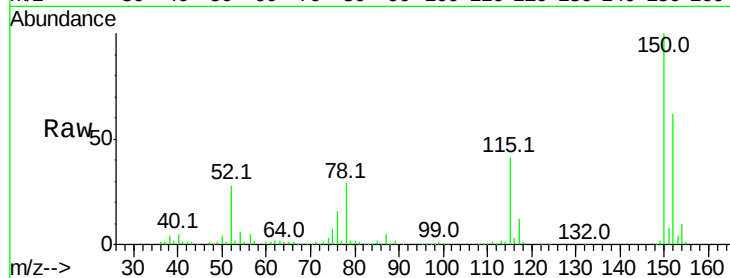
ClientSampled :

B1-1

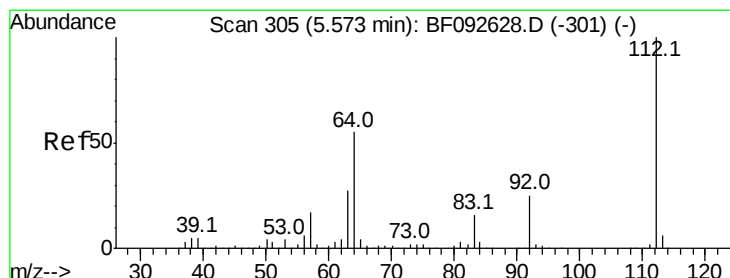
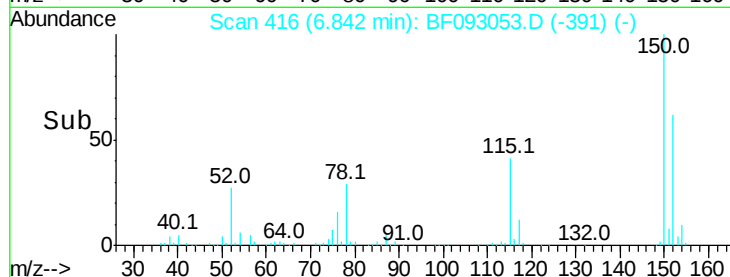
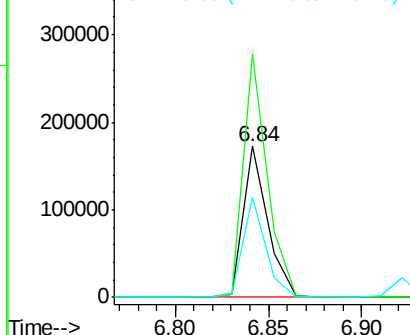
Tot Ion:	152	Resp:	156667
Ion Ratio	Lower	Upper	
152	100		
150	161.0	124.9	187.3
115	66.7	46.0	69.0

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 110.73 ng

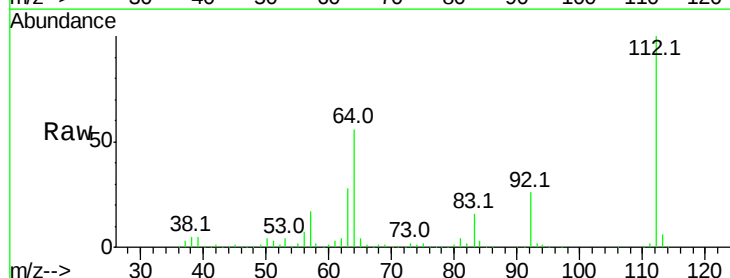
RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

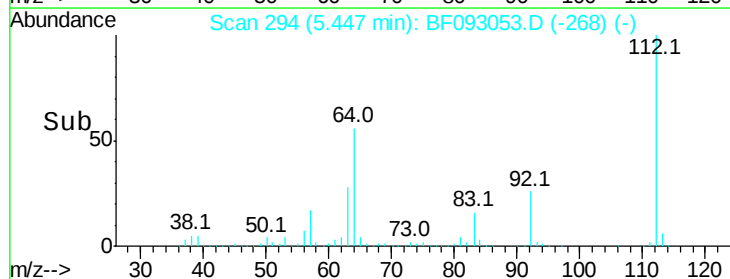
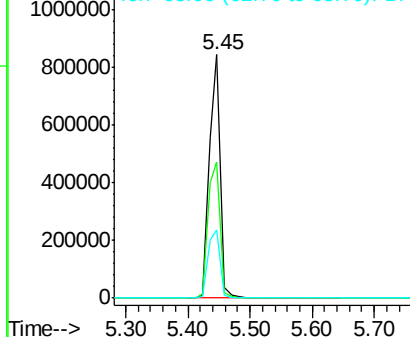
Lab File: BF093053.D

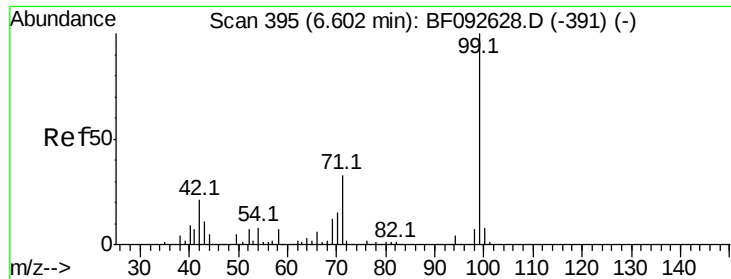
Acq: 21 Feb 2017 2:39

Tgt Ion:	112	Resp:	1011166
Ion Ratio	Lower	Upper	
112	100		
64	55.8	46.1	69.1
63	28.2	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: 107.16 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093053.D

Acq: 21 Feb 2017 2:39

Instrument :

BNA_F

ClientSampleId :

B1-1

Tot Ion: 99 Resp: 1259070

Ion Ratio Lower Upper

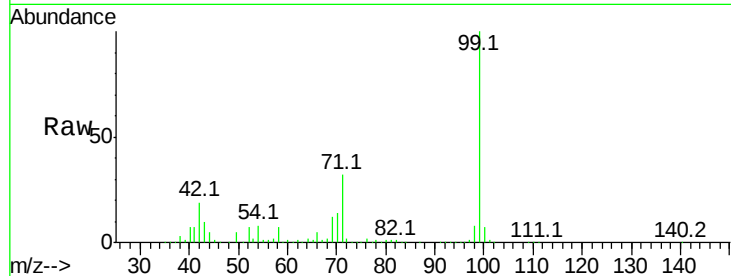
99 100

42 18.8 15.6 23.4

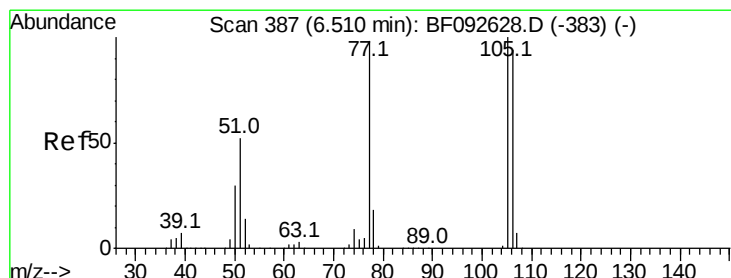
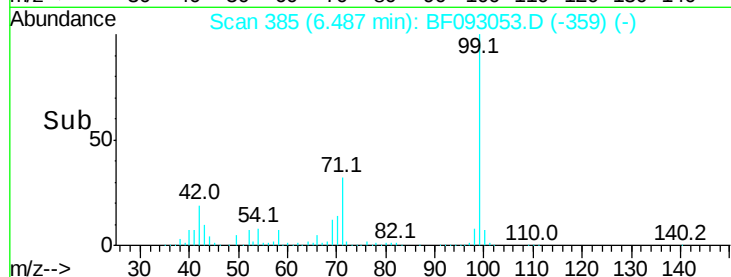
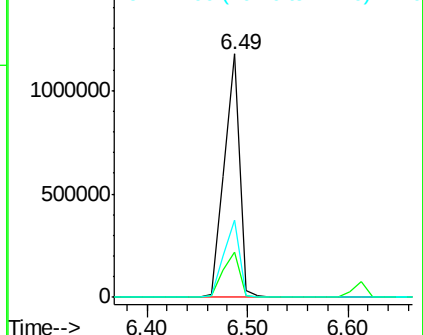
71 31.8 27.5 41.3

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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



#9

Benzaldehyde

Concen: 2.09 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.00 min

Lab File: BF093053.D

Acq: 21 Feb 2017 2:39

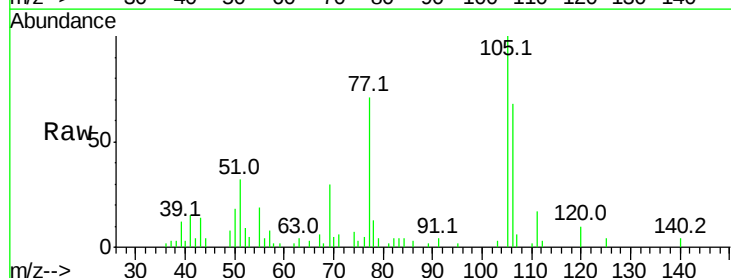
Tgt Ion: 77 Resp: 17566

Ion Ratio Lower Upper

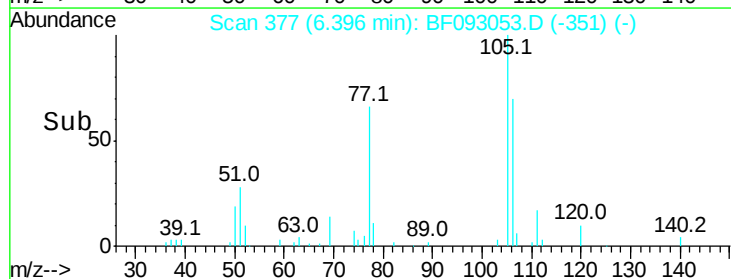
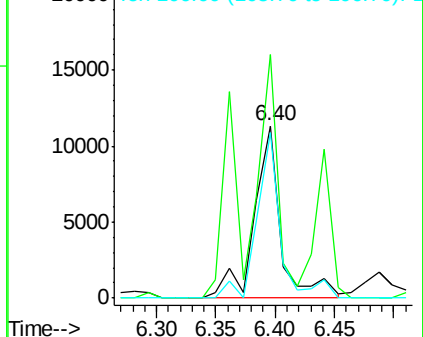
77 100

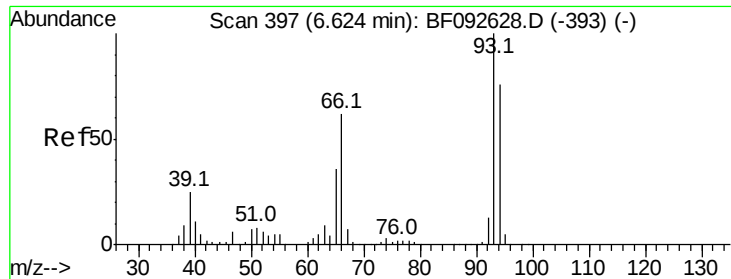
105 141.4 83.9 123.9#

106 96.4 77.6 117.6



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





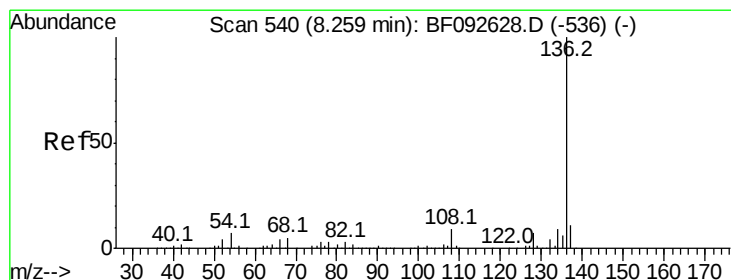
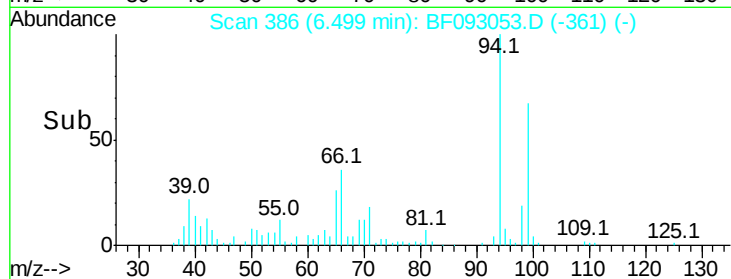
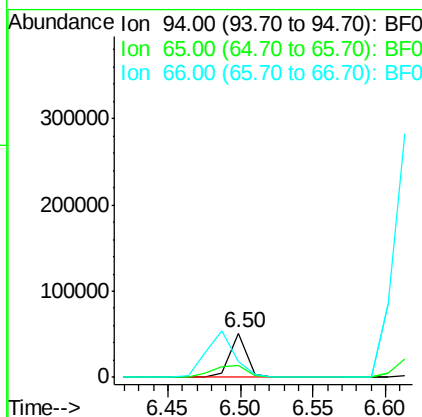
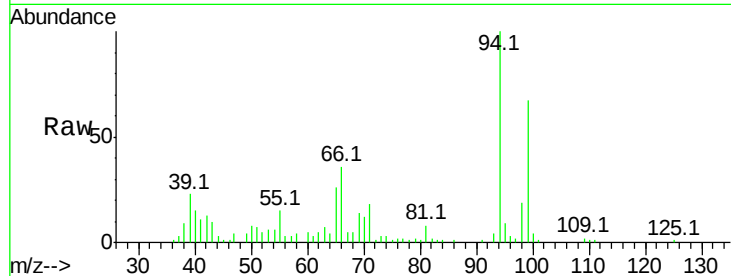
#10
Phenol
Concen: 3.12 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Instrument :
BNA_F
ClientSampleId :
B1-1

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.4	21.4	61.4
66	35.6	44.0	84.0#

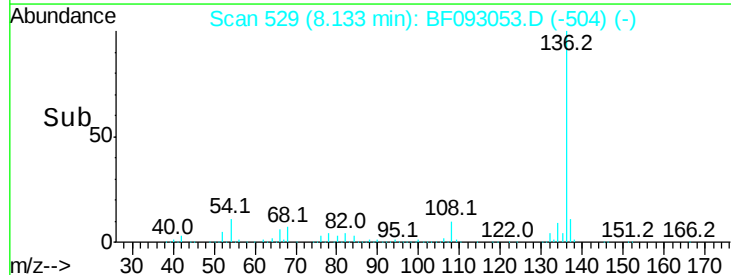
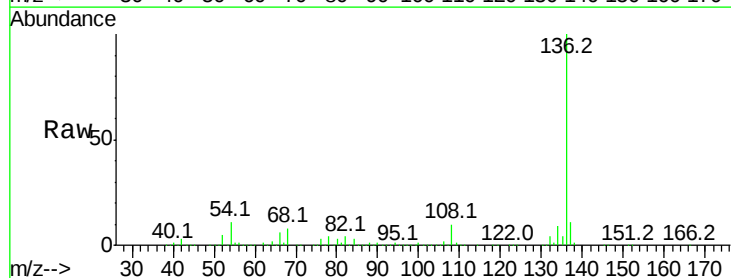
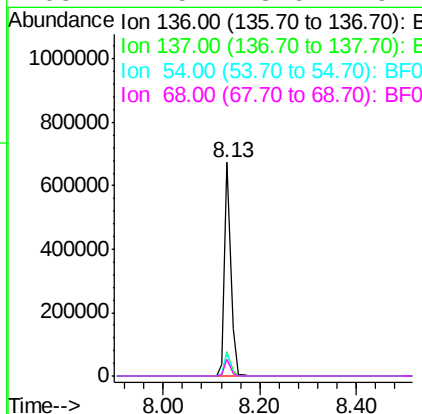
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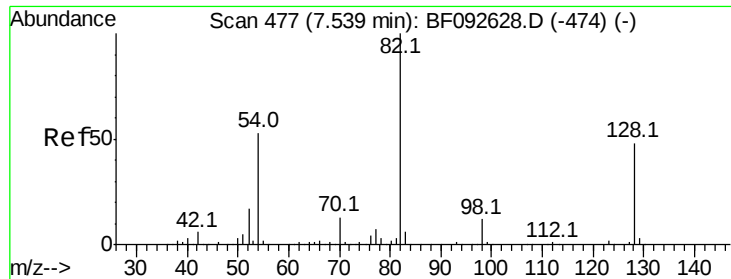
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.4	12.6
54	11.0	4.5	6.7#
68	7.5	3.6	5.4#





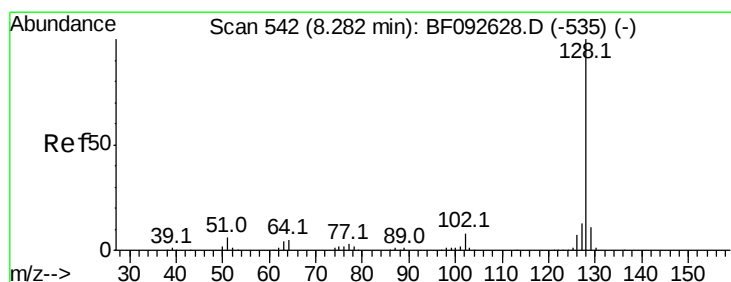
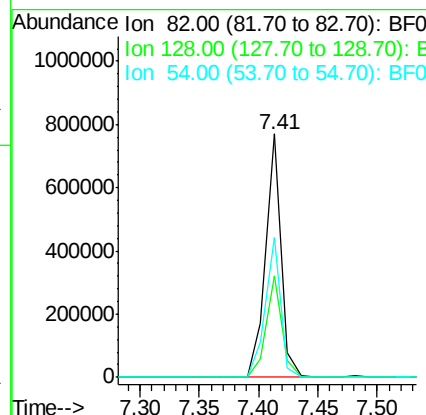
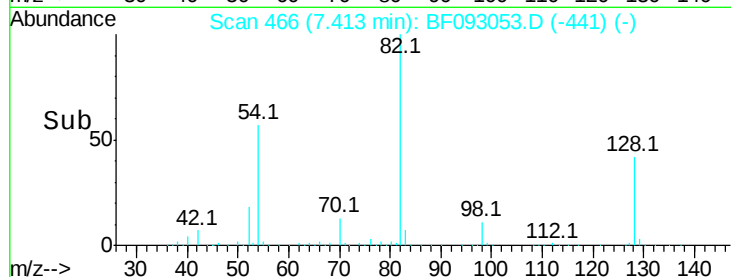
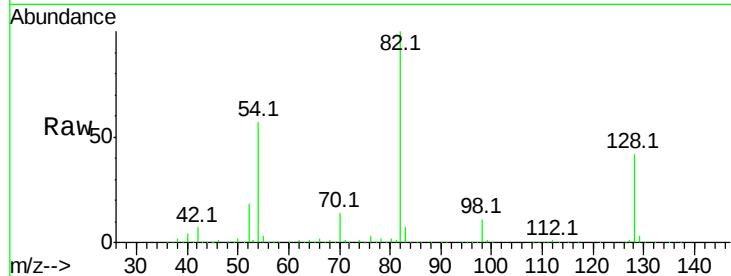
#23
Nitrobenzene-d5
Concen: 65.33 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Instrument :
BNA_F
ClientSampleId :
B1-1

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	41.7	34.6	52.0
54	57.4	39.5	59.3

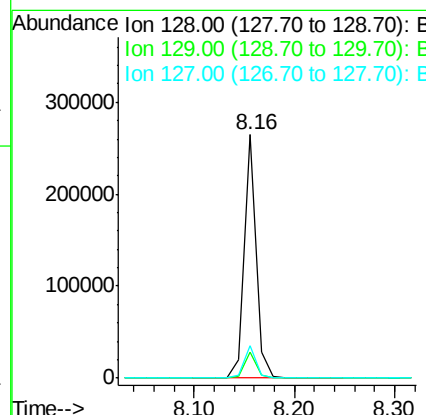
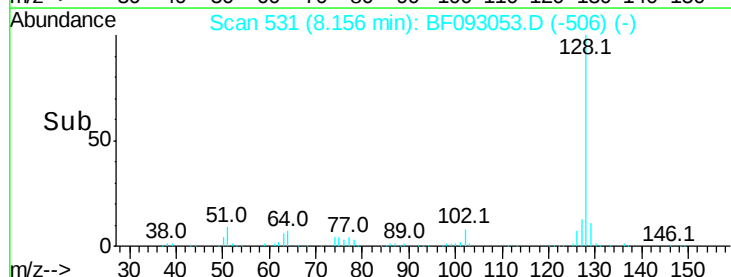
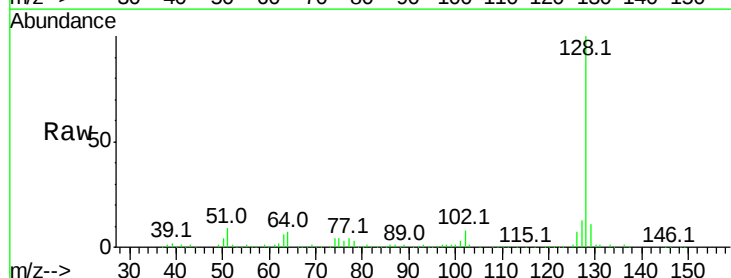
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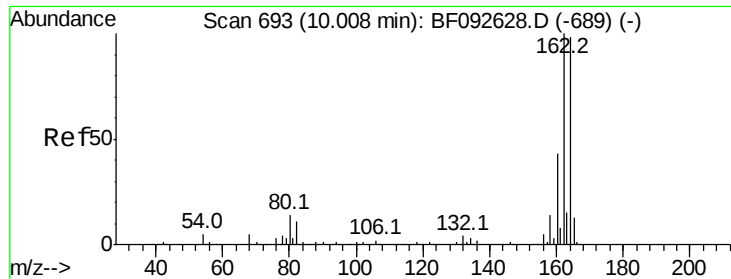
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#31
Naphthalene
Concen: 7.13 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

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





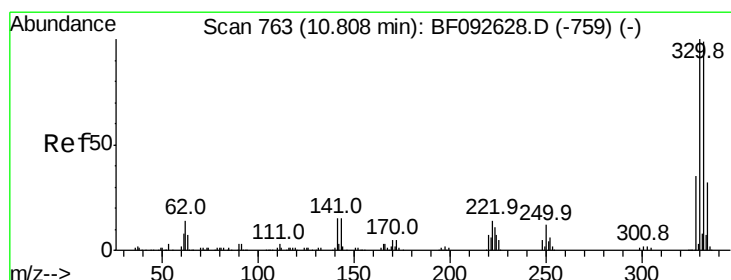
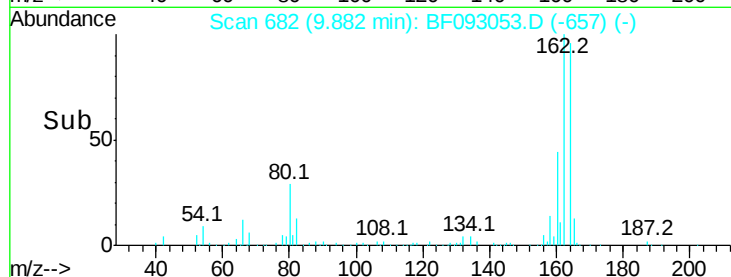
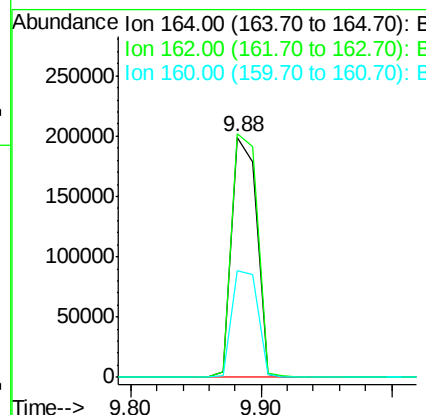
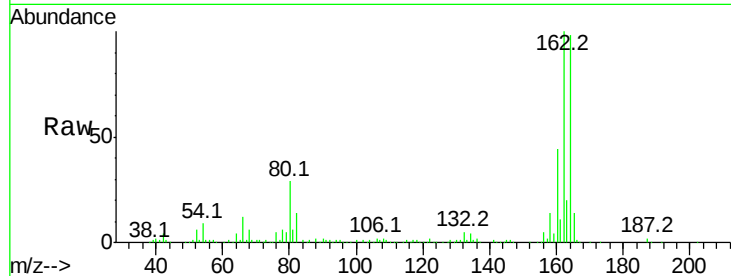
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Instrument :
BNA_F
ClientSampled :
B1-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	264482		
162	101.5	80.2	120.2	
160	44.4	36.9	55.3	

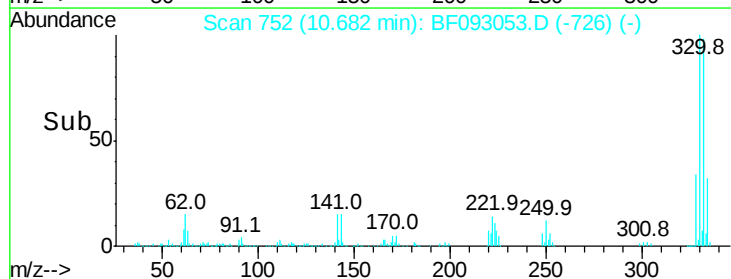
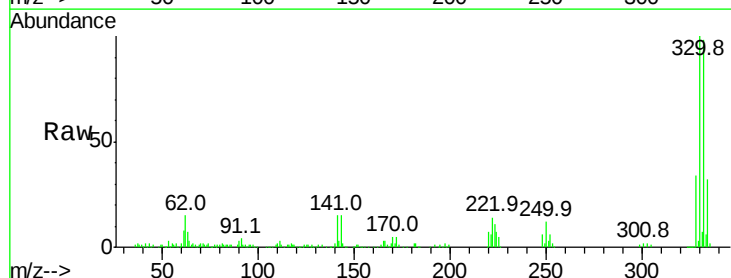
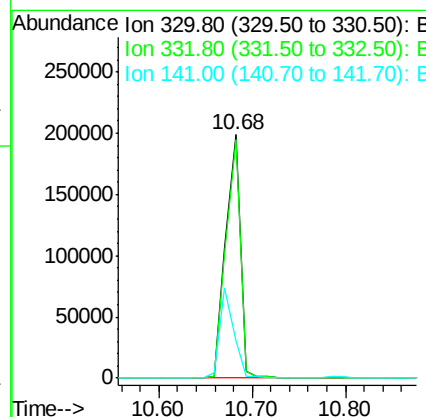
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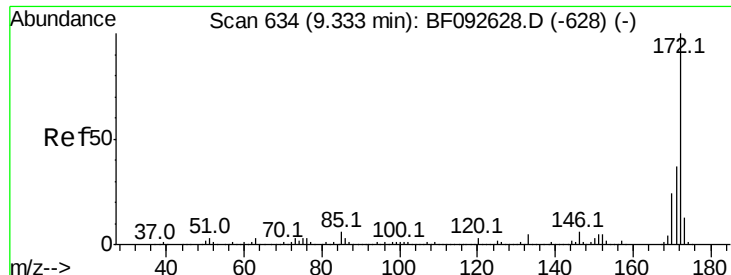
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#41
2,4,6-Tribromophenol
Concen: 113.18 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	216500		
332	97.3	77.4	116.2	
141	35.2	34.1	51.1	





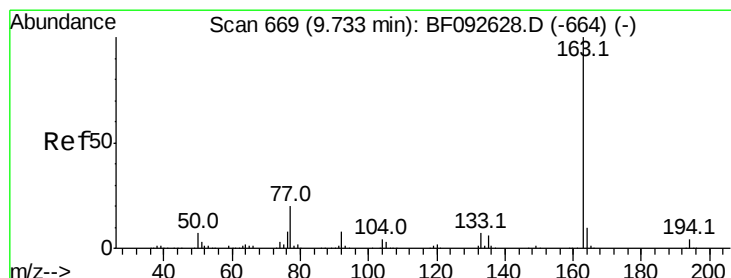
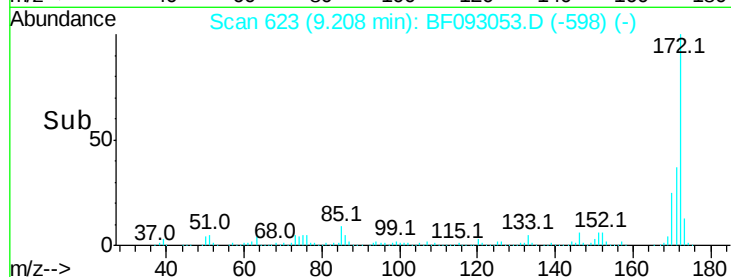
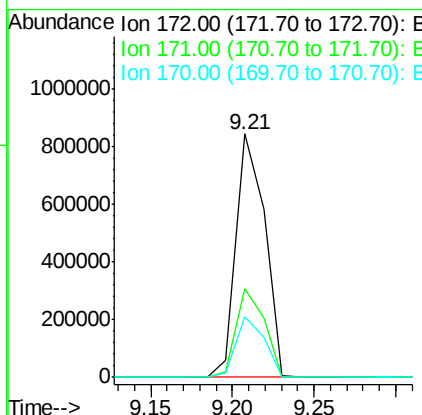
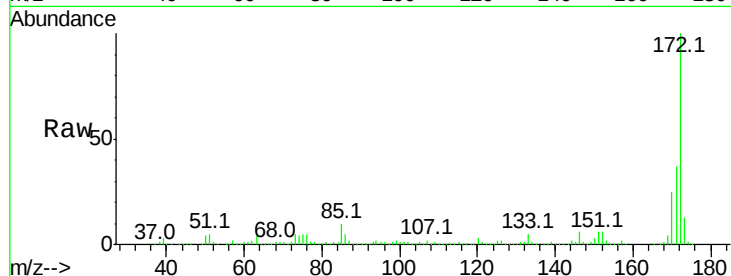
#44
2-Fluorobiphenyl
Concen: 70.57 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Instrument :
BNA_F
ClientSampleId :
B1-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.7	20.2	30.4

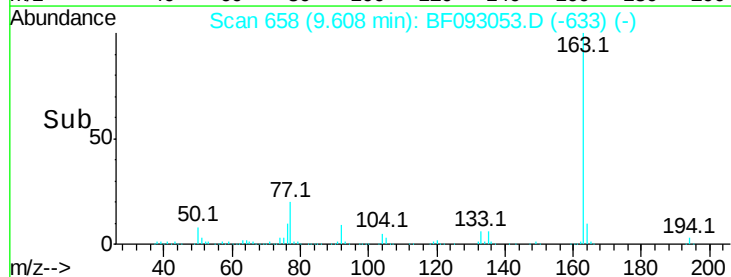
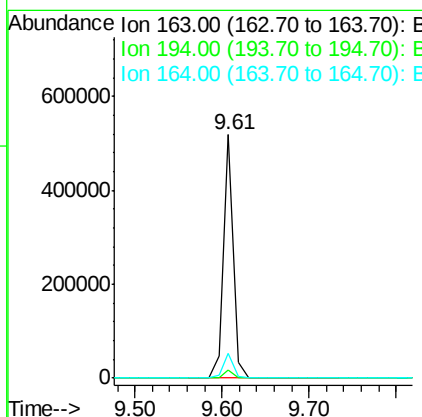
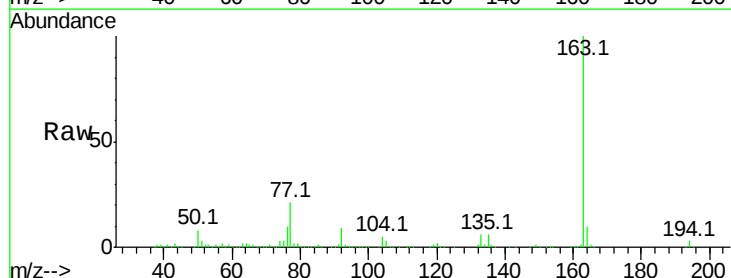
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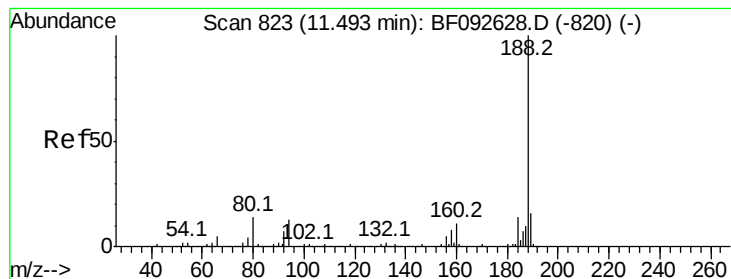
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#49
Dimethylphthalate
Concen: 23.39 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.2	8.0	12.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093053.D

Acq: 21 Feb 2017 2:39

Instrument :

BNA_F

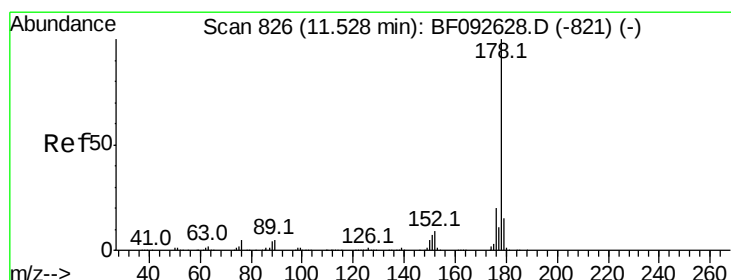
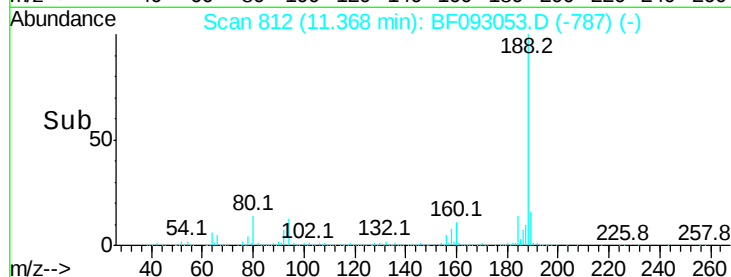
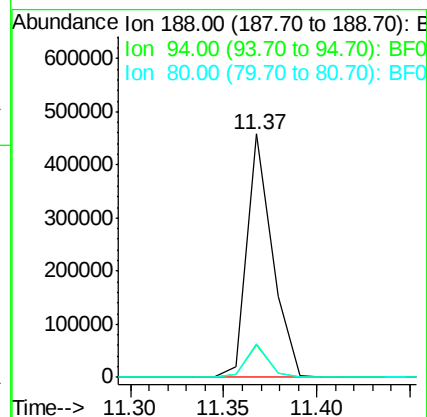
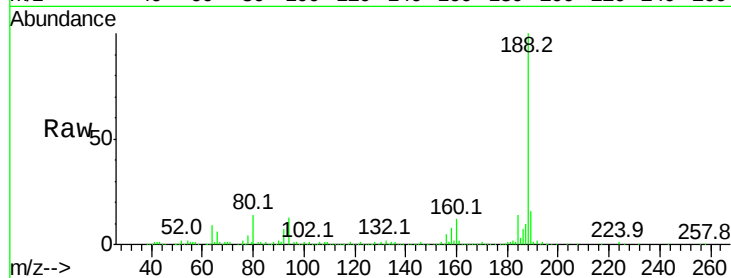
ClientSampleId :

B1-1

Tot Ion:	188	Resp:	435616
Ion Ratio	Lower	Upper	
188	100		
94	13.1	10.0	15.0
80	13.9	11.2	16.8

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#70

Phenanthrene

Concen: 11.14 ng

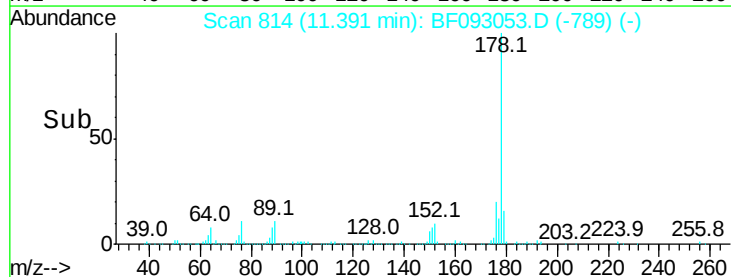
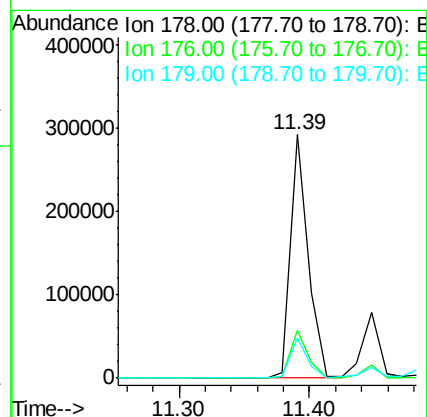
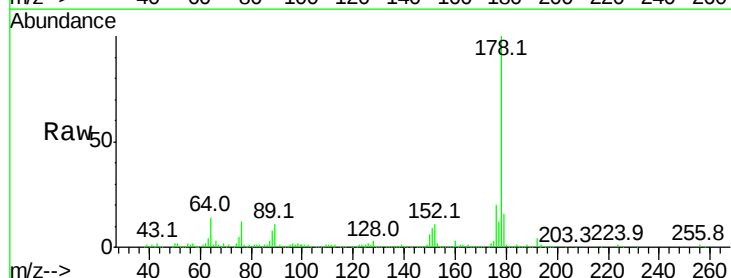
RT: 11.39 min Scan# 814

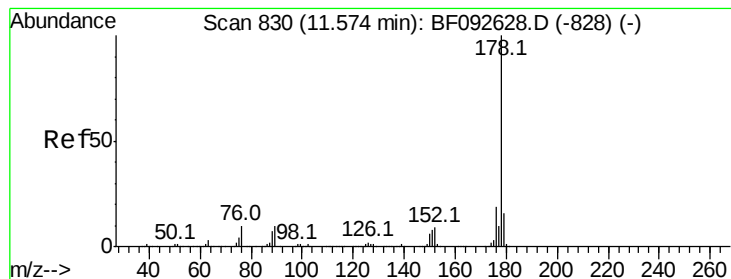
Delta R.T. -0.01 min

Lab File: BF093053.D

Acq: 21 Feb 2017 2:39

Tgt Ion:	178	Resp:	278099
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.6	25.0
179	16.4	12.8	19.2





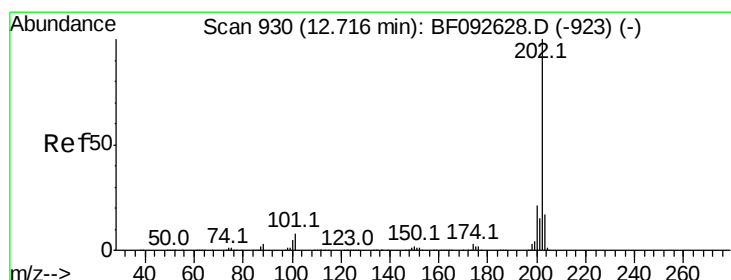
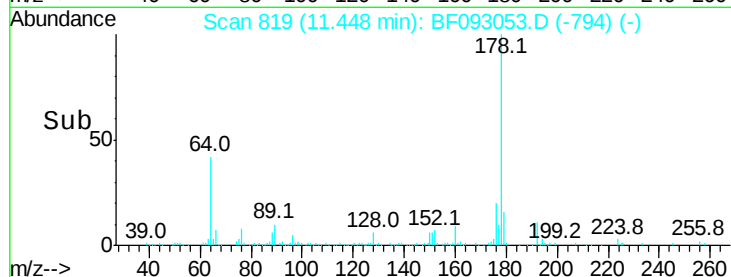
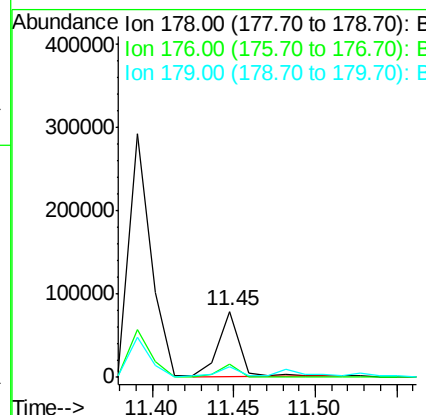
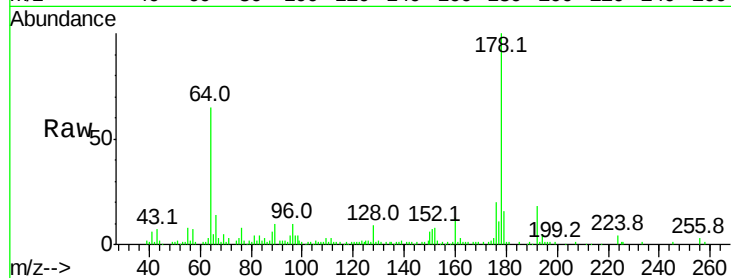
#71
 Anthracene
 Concen: 2.78 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF093053.D
 Acq: 21 Feb 2017 2:39

Instrument :
 BNA_F
 ClientSampled :
 B1-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	16.1	13.2	19.8

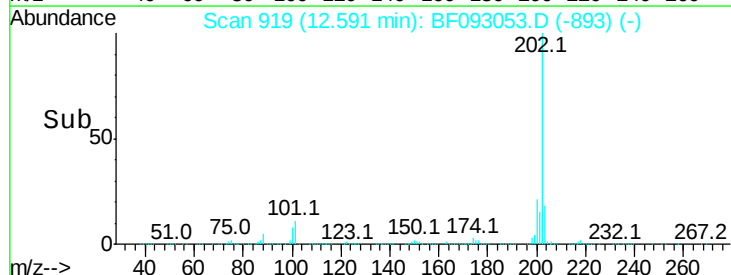
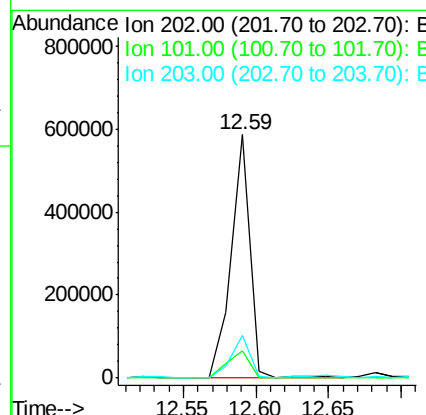
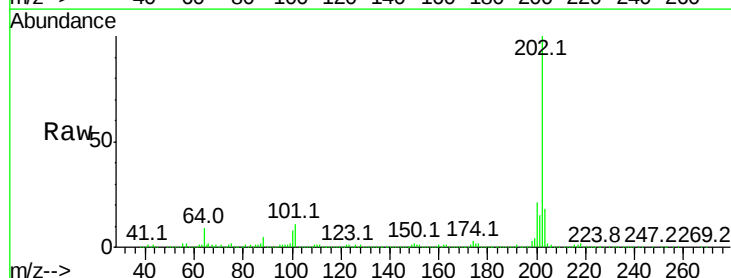
Manual Integrations
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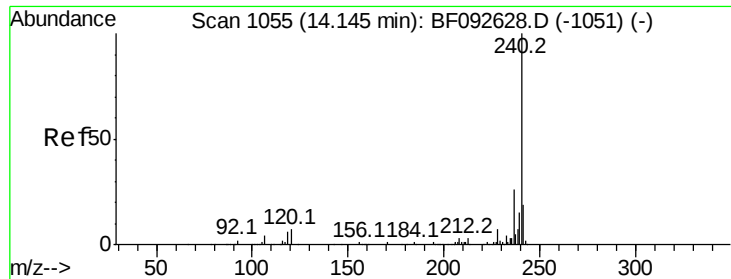
mohammad
 2/21/2017 3:57:50 PM



#74
 Fluoranthene
 Concen: 20.46 ng
 RT: 12.59 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BF093053.D
 Acq: 21 Feb 2017 2:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.6
203	17.7	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093053.D

Acq: 21 Feb 2017 2:39

Instrument :

BNA_F

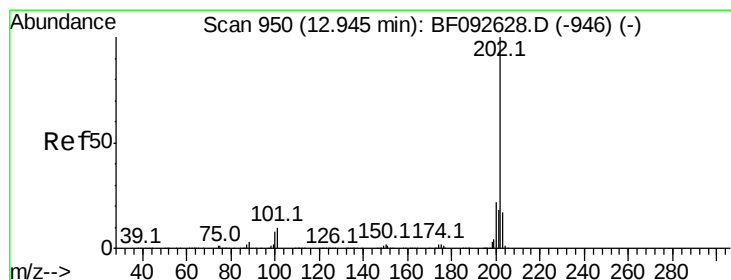
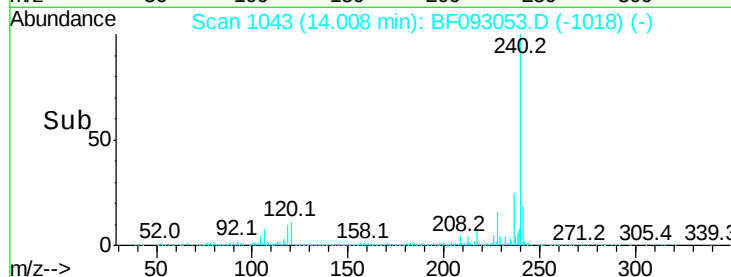
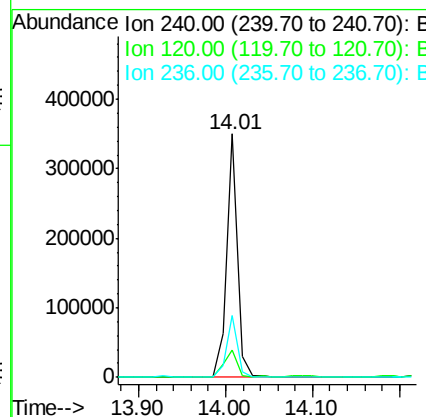
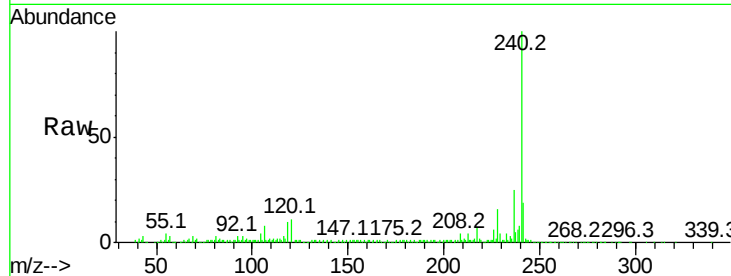
ClientSampleId :

B1-1

Tot Ion:	240	Resp:	308756
Ion Ratio	Lower	Upper	
240	100		
120	11.3	12.9	19.3#
236	25.4	20.9	31.3

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#77

Pyrene

Concen: 20.73 ng

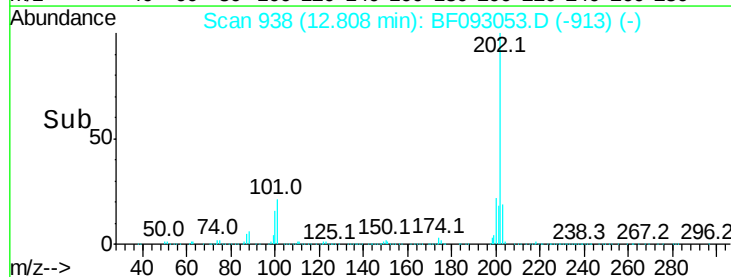
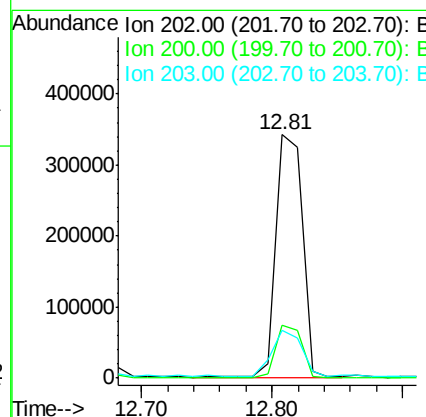
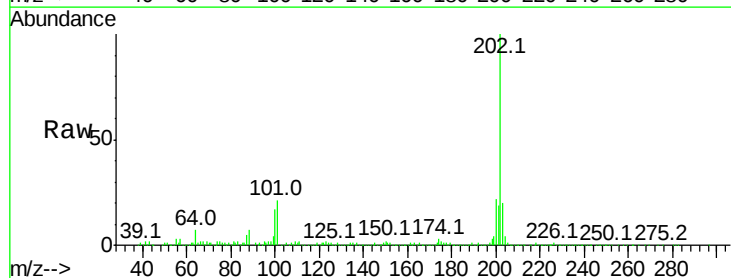
RT: 12.81 min Scan# 938

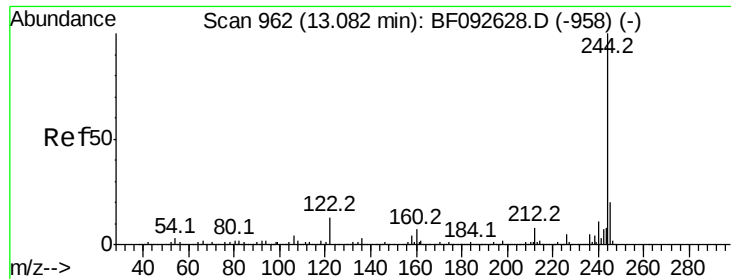
Delta R.T. -0.01 min

Lab File: BF093053.D

Acq: 21 Feb 2017 2:39

Tgt Ion:	202	Resp:	478898
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.7	26.5
203	19.8	14.7	22.1





#78

Terphenyl-d14

Concen: 51.96 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093053.D

Acq: 21 Feb 2017 2:39

Instrument :

BNA_F

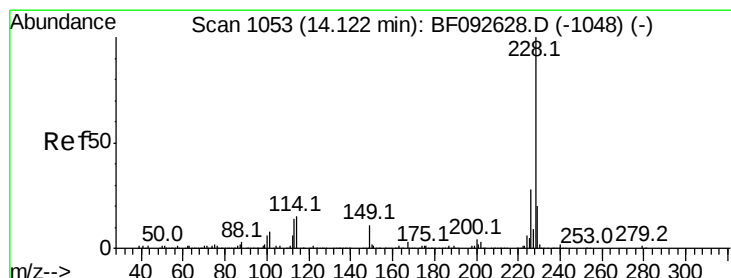
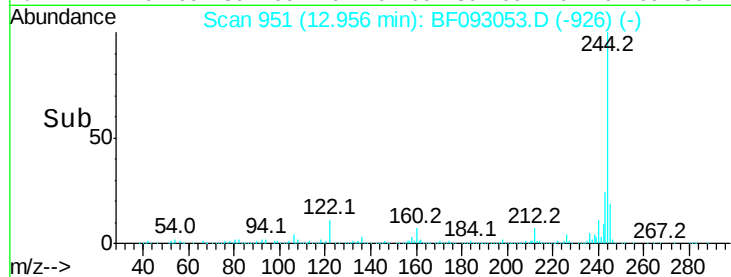
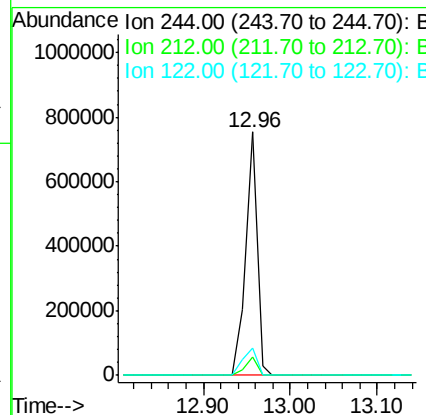
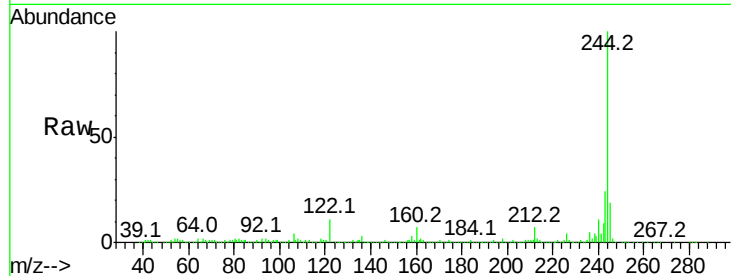
ClientSampled :

B1-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.2
122	11.3	11.4	17.2

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 15.71 ng m

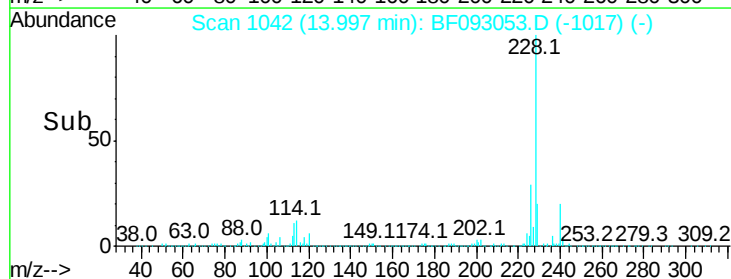
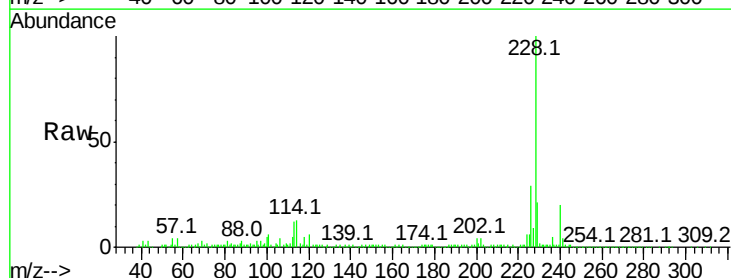
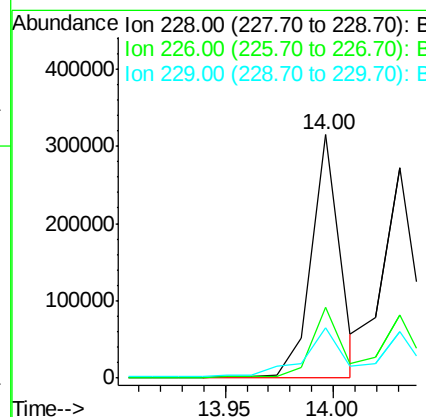
RT: 14.00 min Scan# 1042

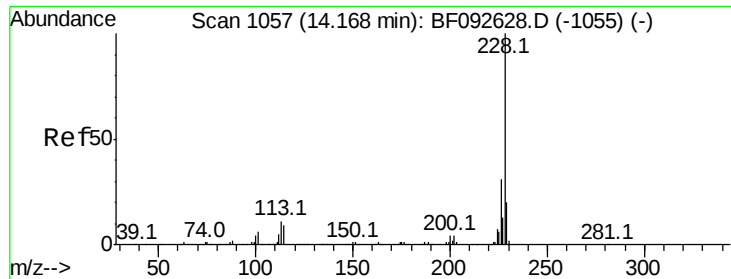
Delta R.T. -0.01 min

Lab File: BF093053.D

Acq: 21 Feb 2017 2:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.4	33.6
229	20.8	16.2	24.4





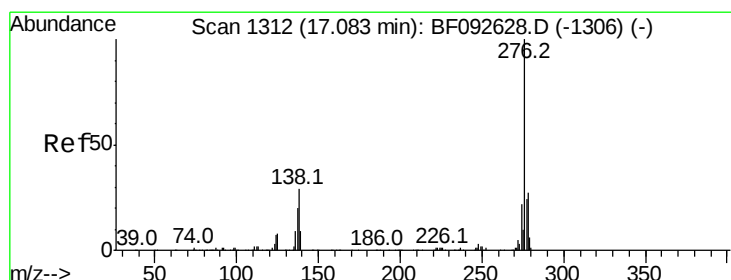
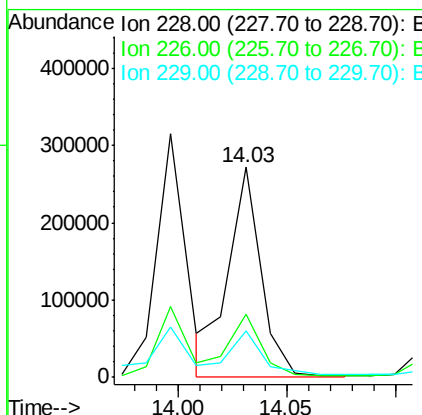
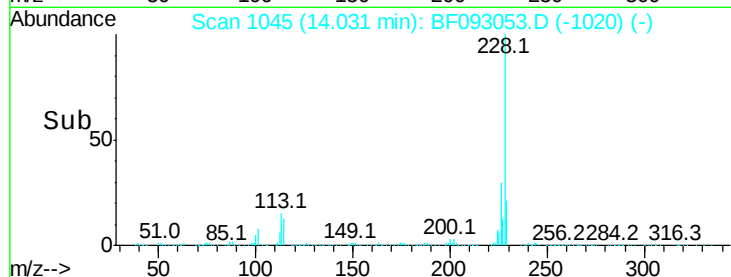
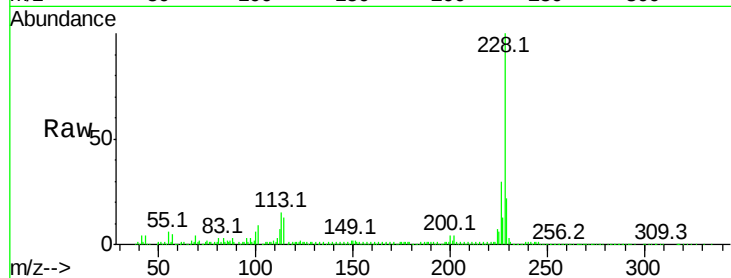
#82
Chrysene
Concen: 16.21 ng/ml
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Instrument :
BNA_F
ClientSampleId :
B1-1

Tot Ion:	228	Resp:	286639
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.4	38.0
229	22.2	16.2	24.2

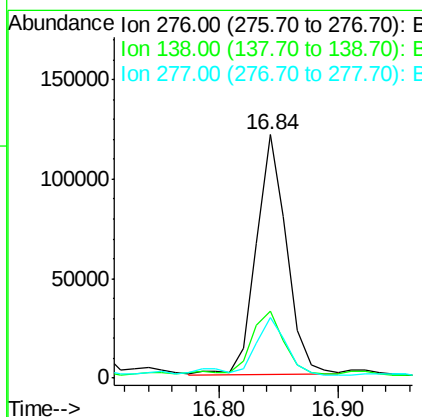
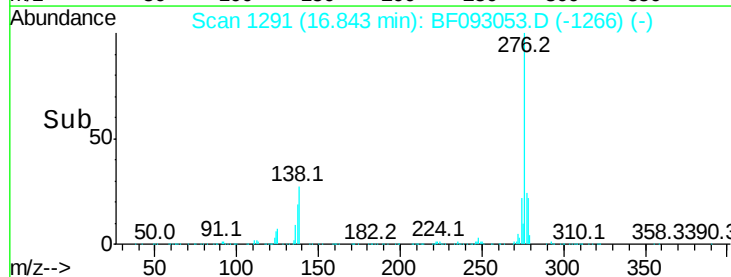
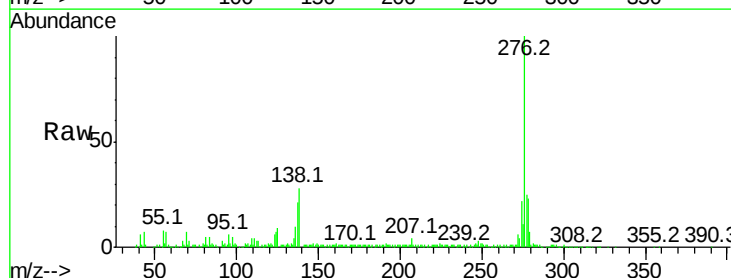
Manual Integrations
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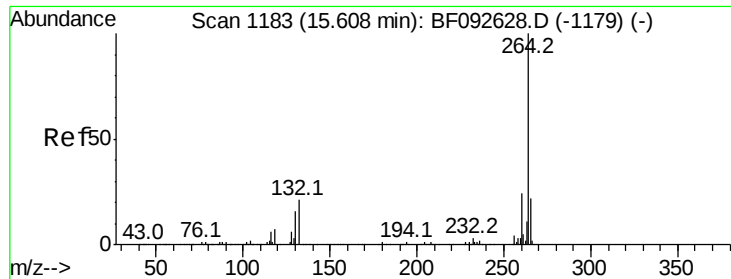
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 15.71 ng/ml
RT: 16.84 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Tgt Ion:	276	Resp:	215085
Ion Ratio	Lower	Upper	
276	100		
138	30.5	21.8	32.6
277	25.8	20.2	30.4





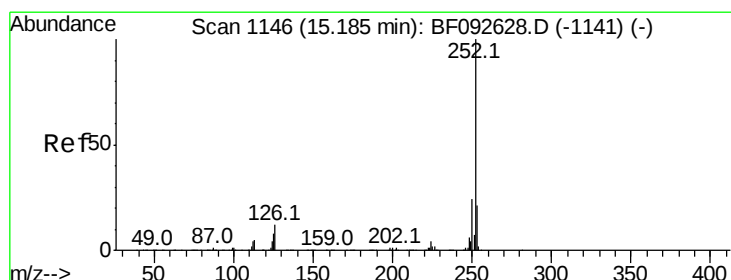
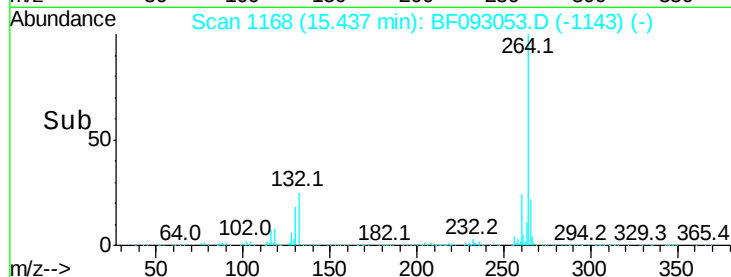
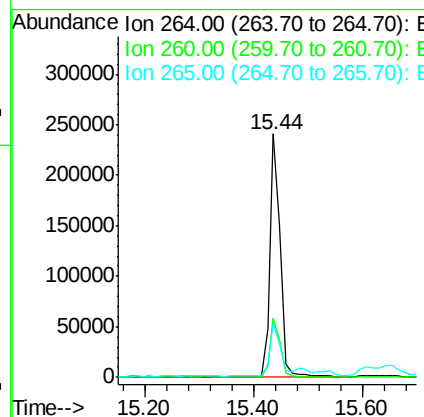
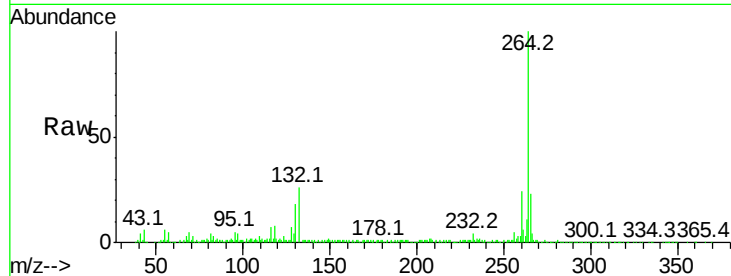
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF093053.D
 Acq: 21 Feb 2017 2:39

Instrument :
 BNA_F
 ClientSampleId :
 B1-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.5	17.4	26.0

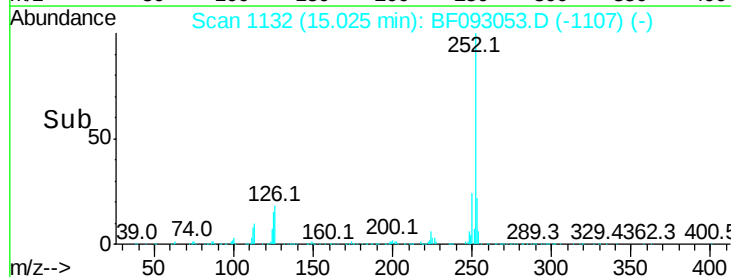
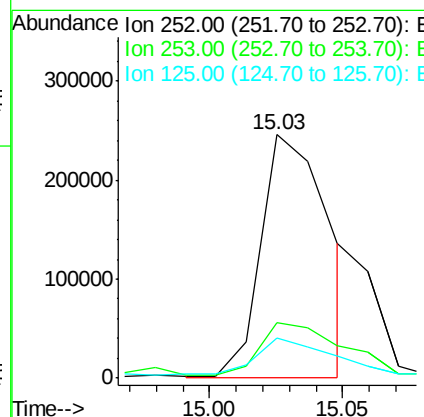
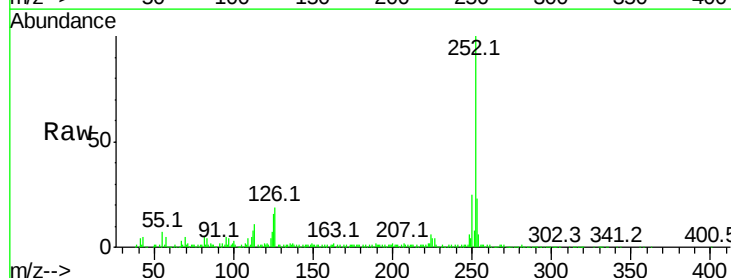
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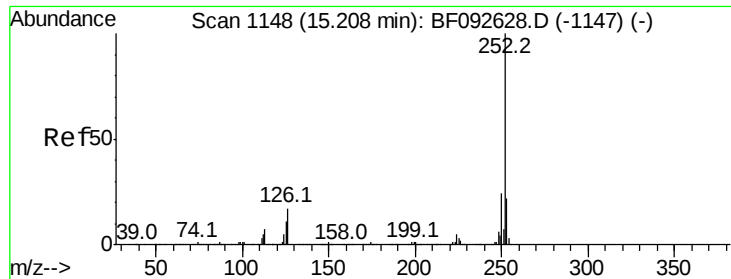
mohammad
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#87
 Benzo(b)fluoranthene
 Concen: 20.75 ng m
 RT: 15.03 min Scan# 1132
 Delta R.T. -0.01 min
 Lab File: BF093053.D
 Acq: 21 Feb 2017 2:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	16.3	9.8	14.6





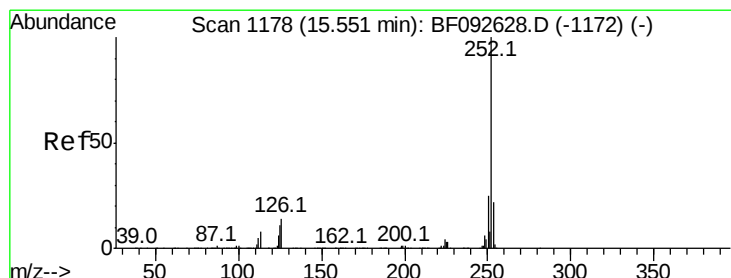
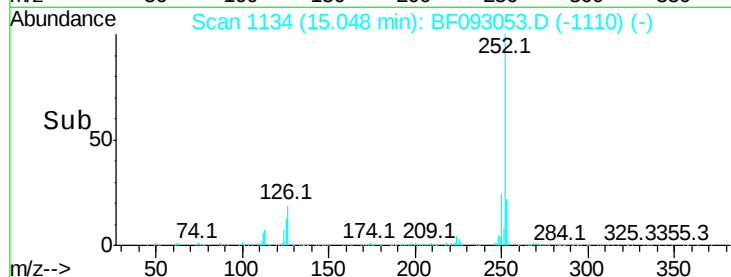
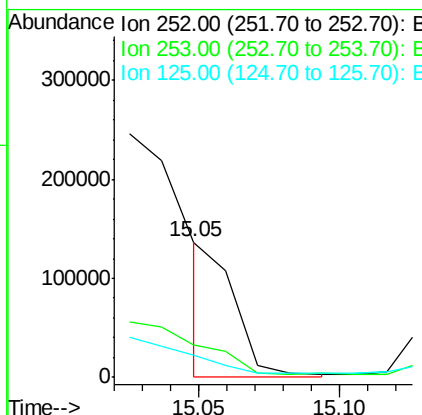
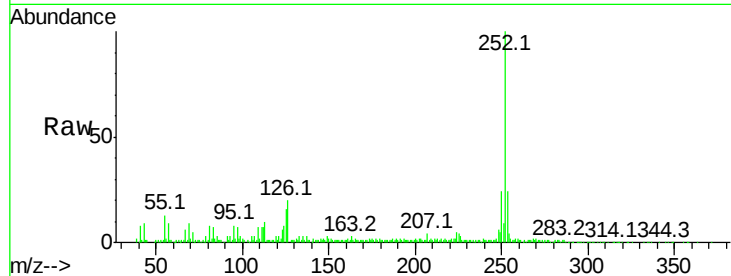
#88
Benzo(k)fluoranthene
Concen: 4.81 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Instrument :
BNA_F
ClientSampleId :
B1-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	16.2	8.9	13.3

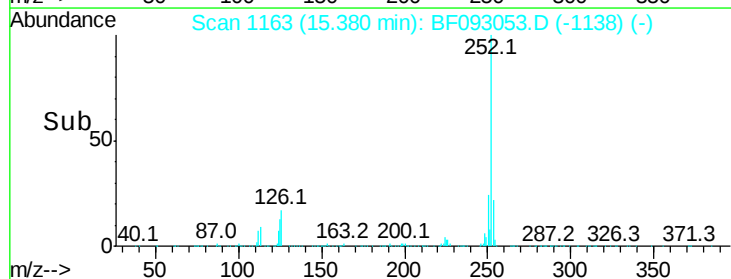
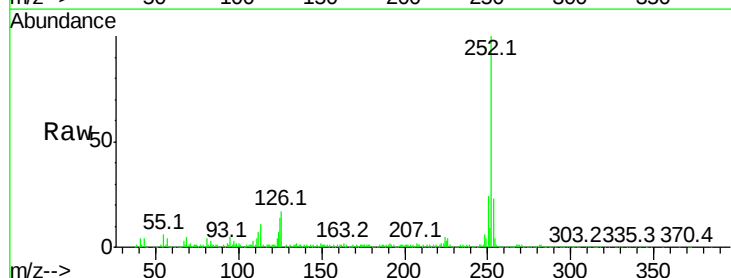
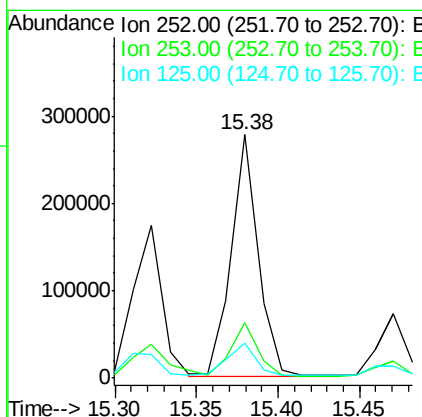
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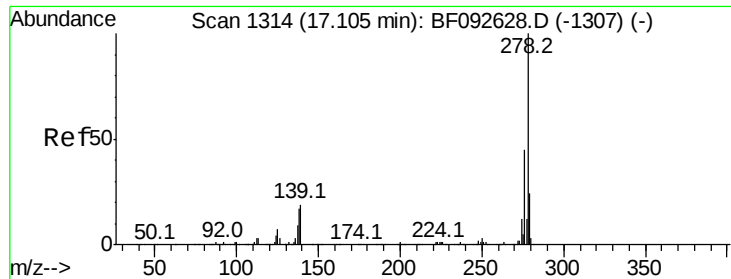
mohammad
2/21/2017 3:57:50 PM



#89
Benzo(a)pyrene
Concen: 17.35 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	14.2	10.0	15.0





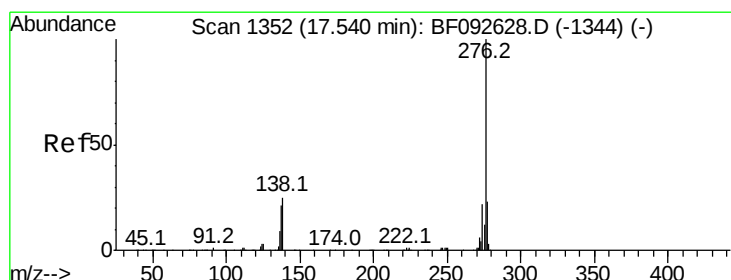
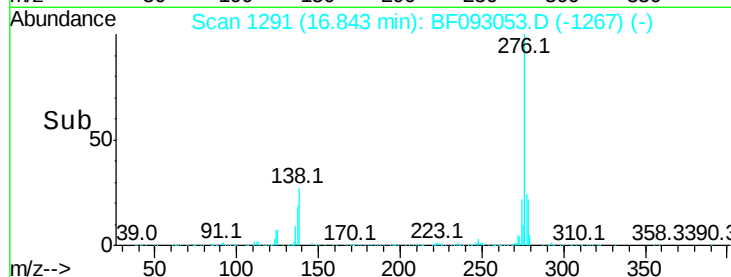
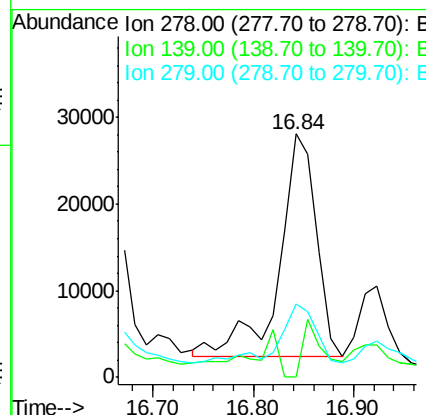
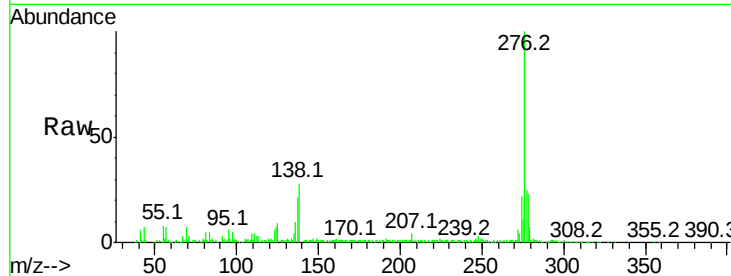
#90
Dibenzo(a,h)anthracene
Concen: 4.43 ng
RT: 16.84 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Instrument :
BNA_F
ClientSampled :
B1-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	30.2	19.8	29.6#

Manual Integrations
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2/21/2017 3:57:50 PM



#91
Benzo(g,h,i)perylene
Concen: 14.49 ng
RT: 17.27 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF093053.D
Acq: 21 Feb 2017 2:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.2	28.8
138	29.2	16.0	24.0#

