

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093358.D
 Acq On : 3 Mar 2017 12:55
 Operator : SJ/MA
 Sample : I2057-15
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 34B-4

Manual Integrations
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Quant Time: Mar 03 13:53:49 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	6.80	152	155598	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	625698	20.00	ng	-0.06
38) Acenaphthene-d10	9.86	164	270942	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	485378	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	328877	20.00	ng	-0.03
86) Perylene-d12	15.40	264	297569	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	841544	92.79	ng	-0.06
7) Phenol-d6	6.44	99	1167850	100.08	ng	-0.05
23) Nitrobenzene-d5	7.37	82	725227	64.55	ng	-0.06
41) 2,4,6-Tribromophenol	10.65	330	109451	55.85	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	1150357	76.92	ng	-0.05
78) Terphenyl-d14	12.92	244	812977	58.08	ng	-0.05
Target Compounds						Qvalue
10) Phenol	6.46	94	50922	3.73	ng	# 71
49) Dimethylphthalate	9.57	163	192401	10.54	ng	99
70) Phenanthrene	11.37	178	181763	6.54	ng	97
74) Fluoranthene	12.56	202	269736	9.40	ng	97
77) Pyrene	12.79	202	240470	9.77	ng	98
80) Benzo(a)anthracene	13.97	228	123694m	6.15	ng	
82) Chrysene	14.01	228	106113m	5.63	ng	
85) Indeno(1,2,3-cd)pyrene	16.81	276	46887	3.21	ng	98
87) Benzo(b)fluoranthene	15.00	252	136636m	6.98	ng	
88) Benzo(k)fluoranthene	15.01	252	50407m	2.98	ng	
89) Benzo(a)pyrene	15.35	252	92757	5.48	ng	# 82
91) Benzo(a,h,i)perylene	17.23	276	41272	2.98	ng	# 82

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

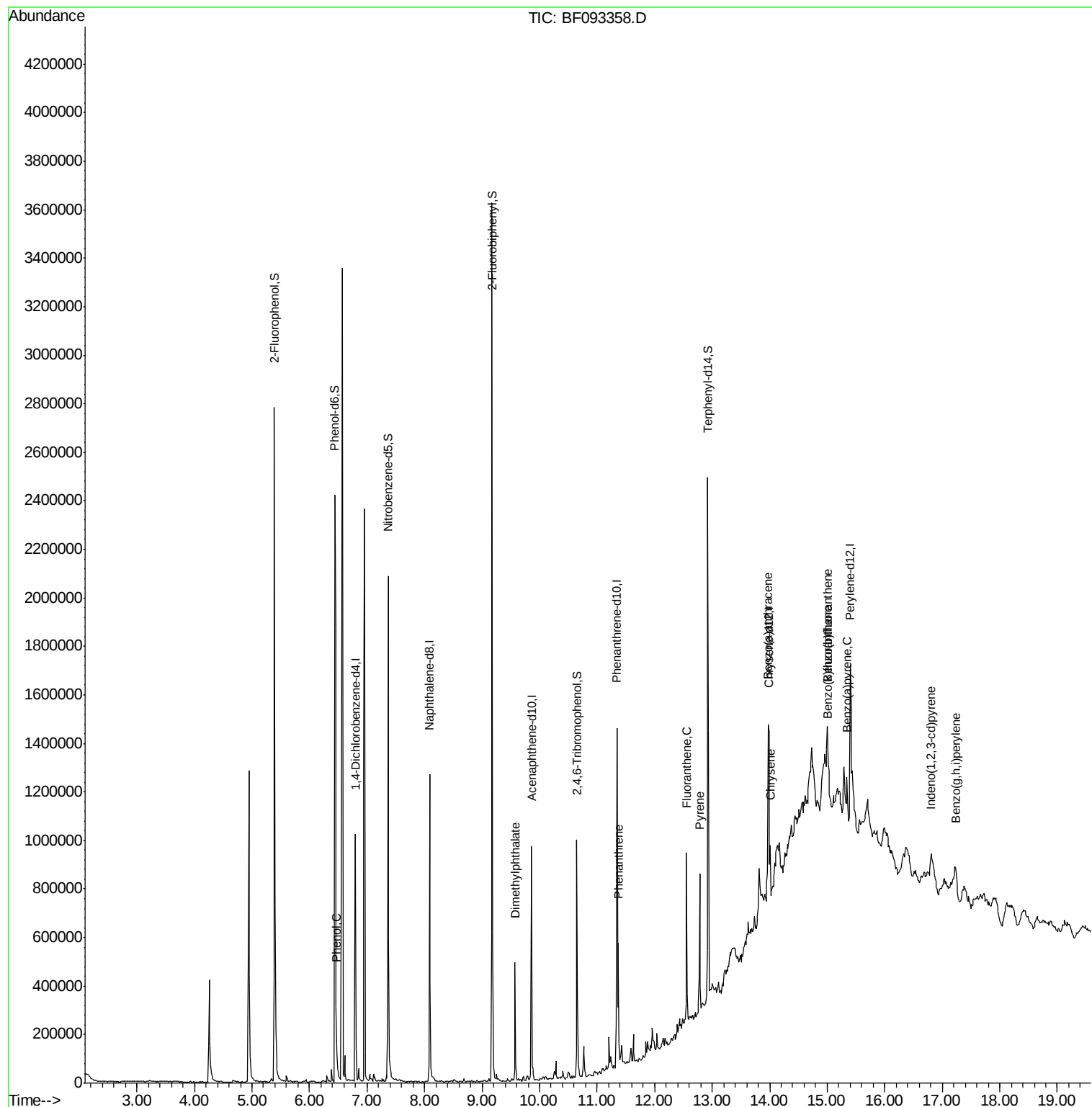
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093358.D
Acq On : 3 Mar 2017 12:55
Operator : SJ/MA
Sample : I2057-15
Misc :
ALS Vial : 40 Sample Multiplier: 1

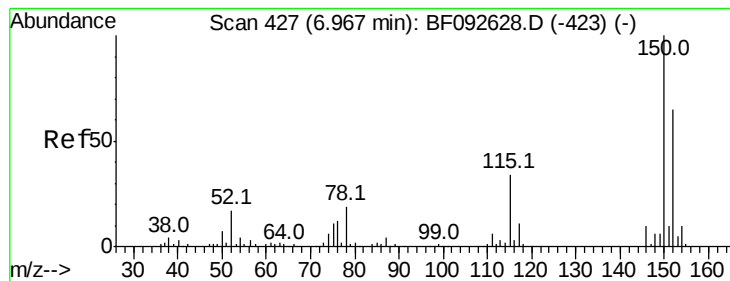
Instrument :
BNA_F
ClientSampleId :
34B-4

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Quant Time: Mar 03 13:53:49 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

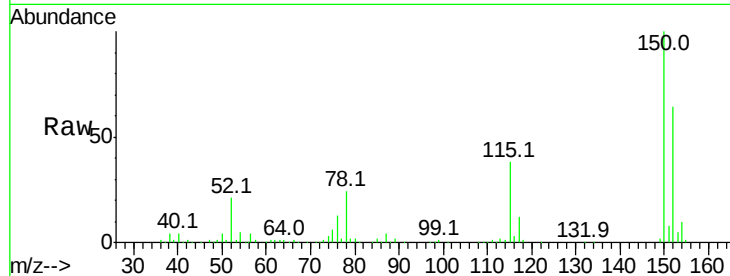
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.06 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Instrument :
BNA_F
ClientSampleId :
34B-4

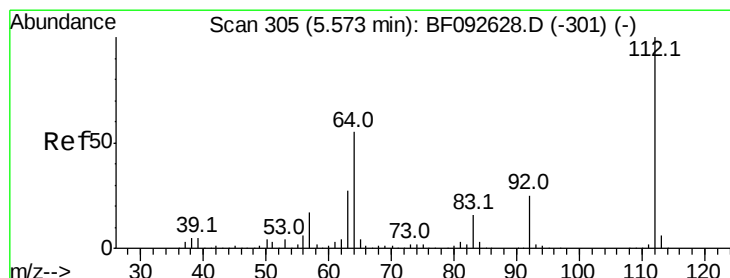
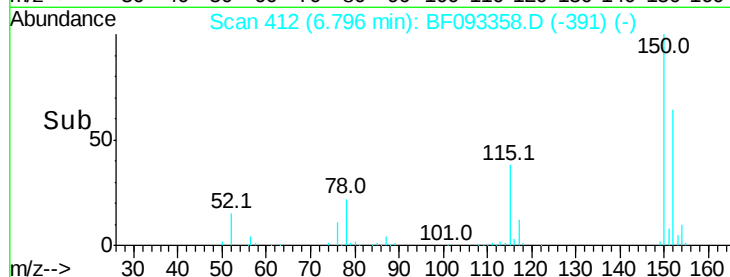
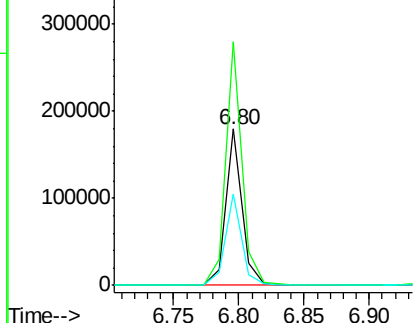
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.9	187.3
115	58.9	46.0	69.0

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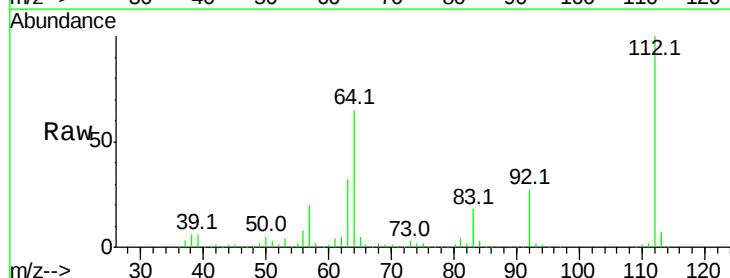
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



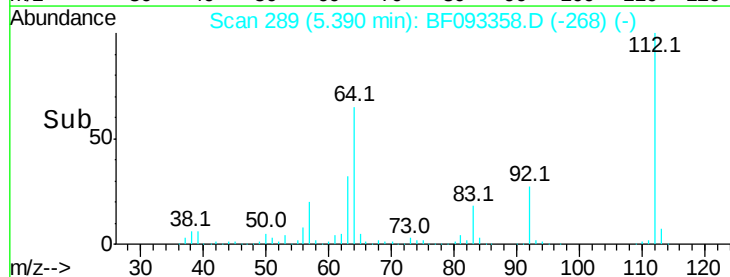
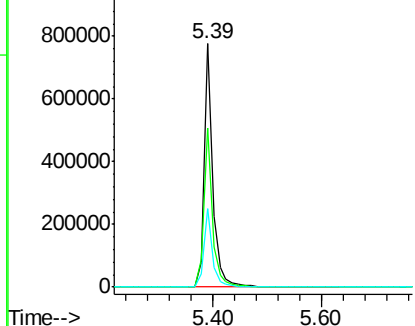
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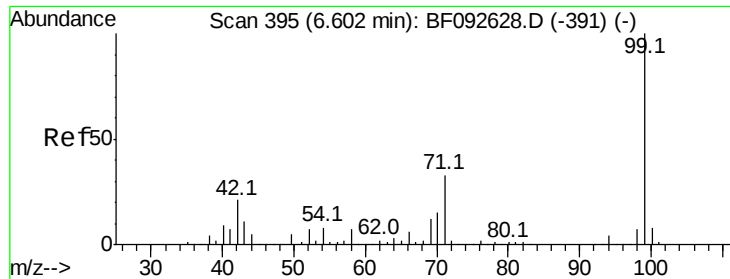
2-Fluorophenol
Concen: 92.79 ng
RT: 5.39 min Scan# 289
Delta R.T. -0.06 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	46.1	69.1
63	32.1	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: 100.08 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.05 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

Instrument :

BNA_F

ClientSampleId :

34B-4

Tot Ion: 99 Resp: 1167850

Ion Ratio Lower Upper

99 100

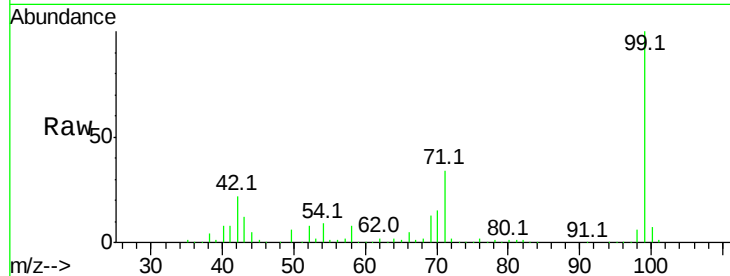
42 22.2 15.6 23.4

71 33.6 27.5 41.3

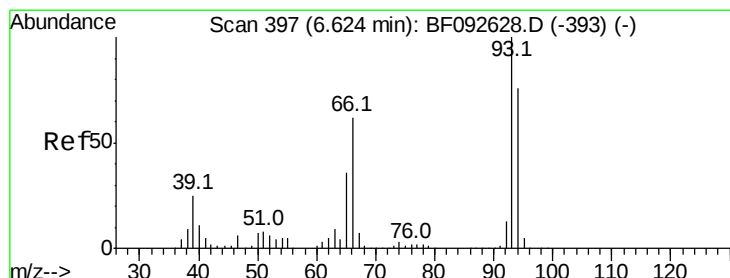
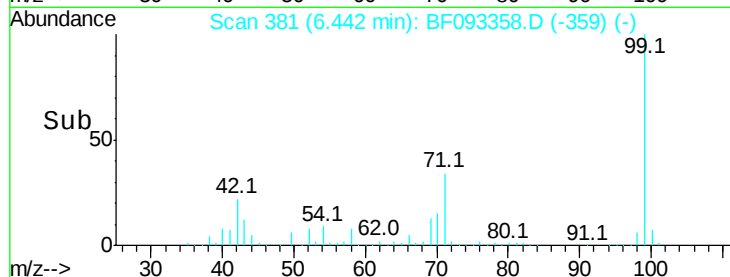
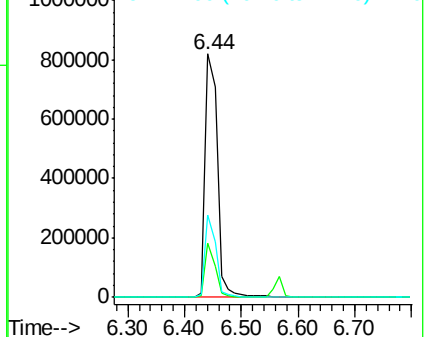
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.73 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

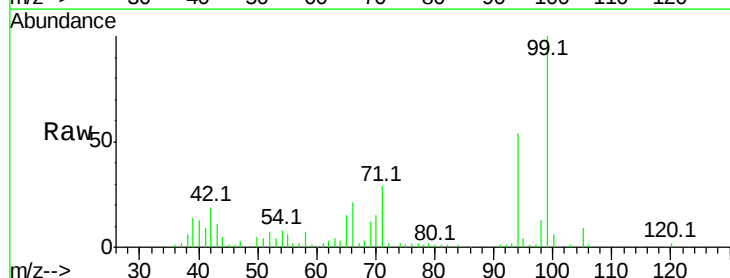
Tgt Ion: 94 Resp: 50922

Ion Ratio Lower Upper

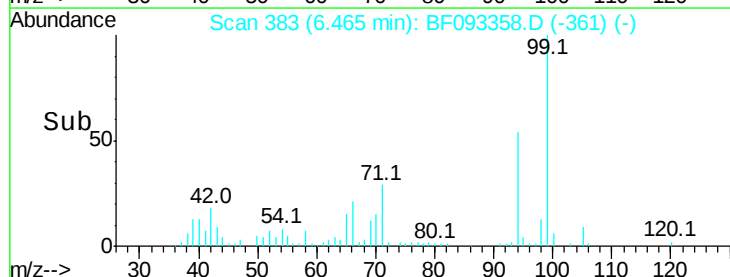
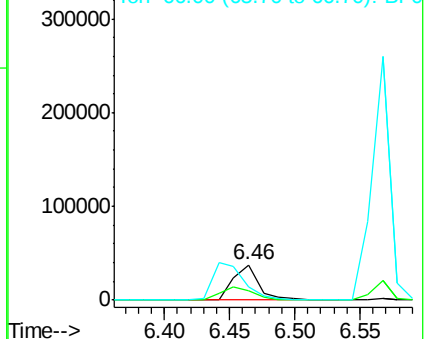
94 100

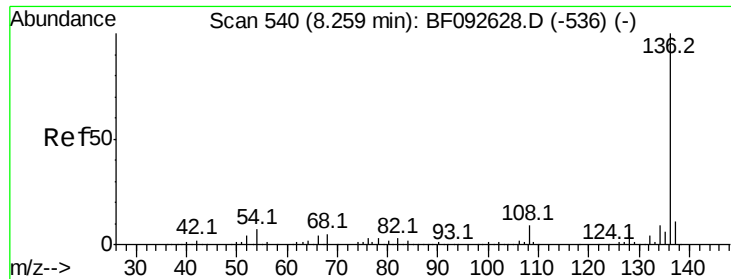
65 26.9 21.4 61.4

66 38.4 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





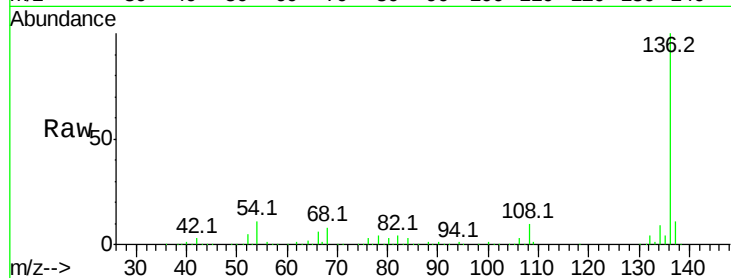
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Instrument :
BNA_F
ClientSampleId :
34B-4

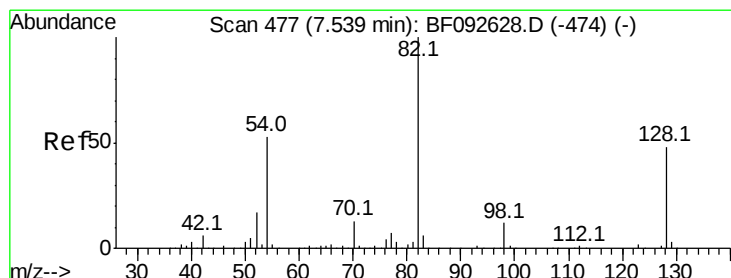
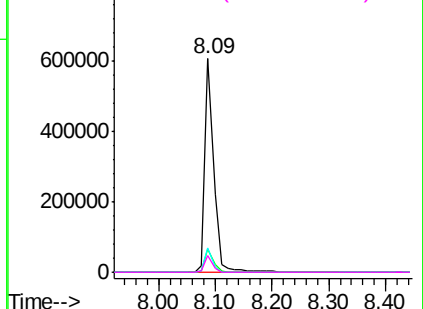
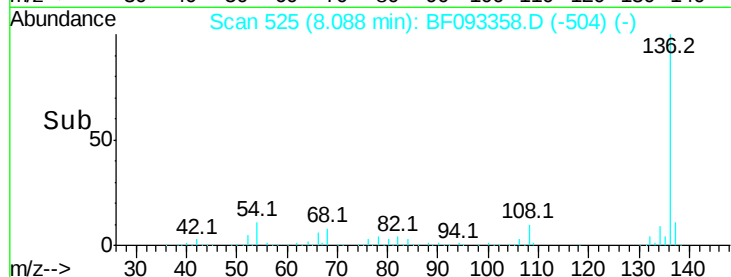
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.4	12.6	
54	11.4	4.5	6.7#	
68	7.8	3.6	5.4#	

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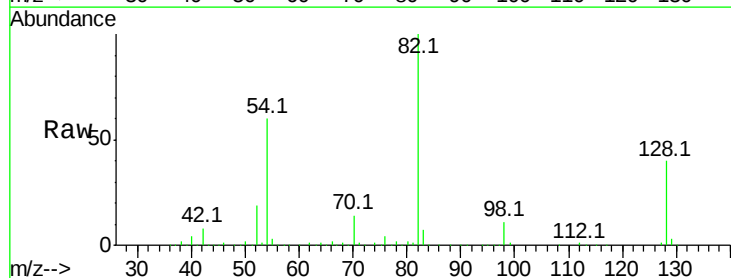


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

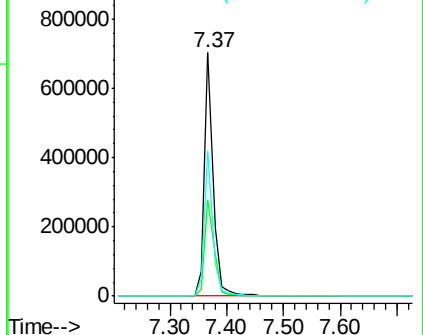
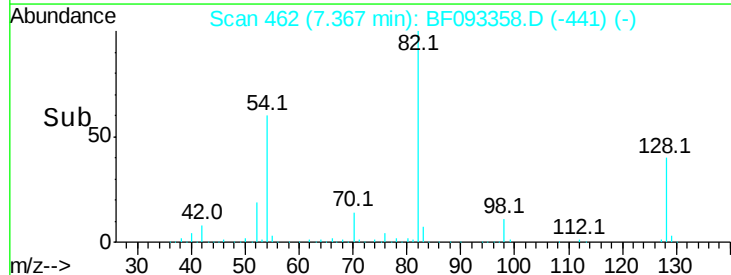


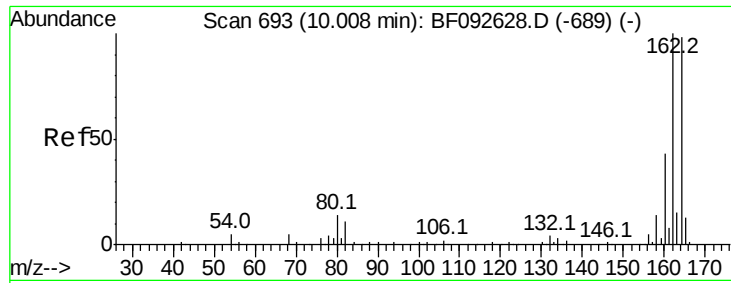
#23
Nitrobenzene-d5
Concen: 64.55 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.06 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.6	34.6	52.0	
54	59.7	39.5	59.3#	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





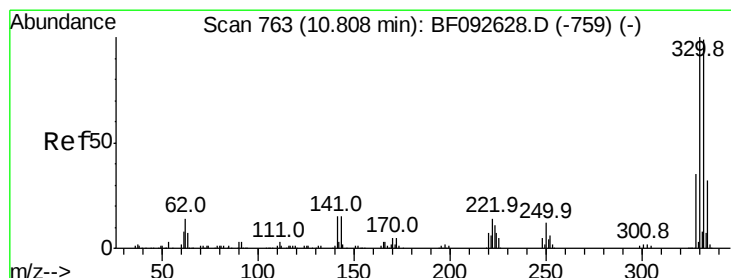
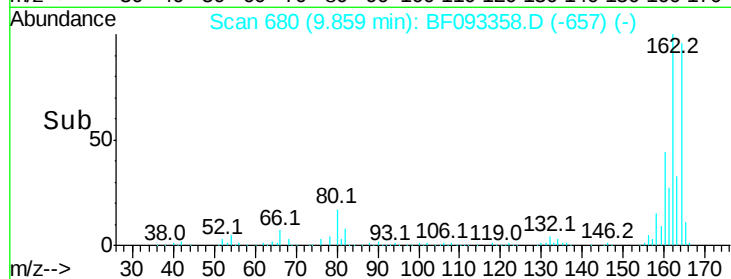
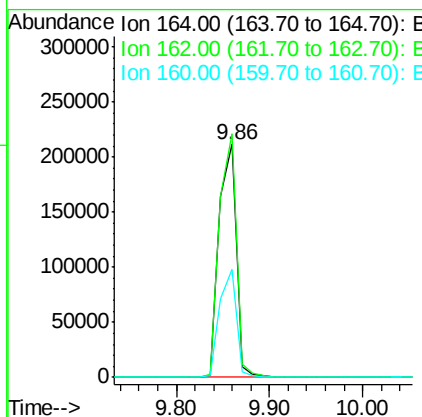
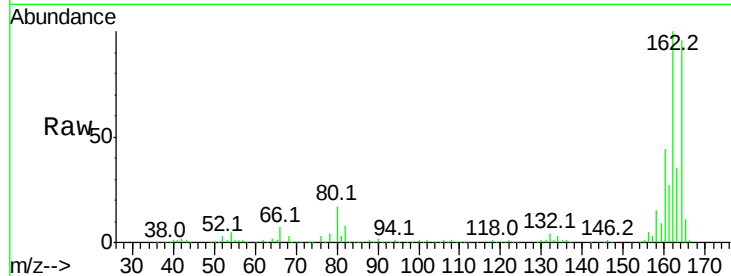
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.03 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Instrument :
BNA_F
ClientSampled :
34B-4

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.4	80.2	120.2
160	46.1	36.9	55.3

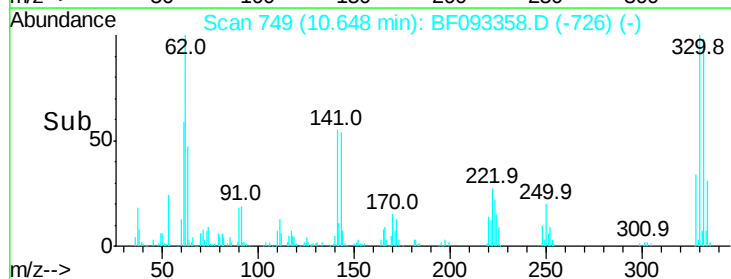
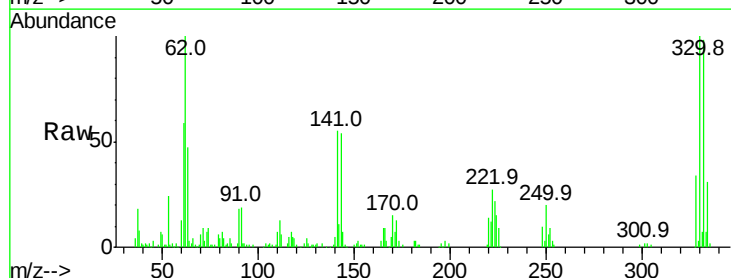
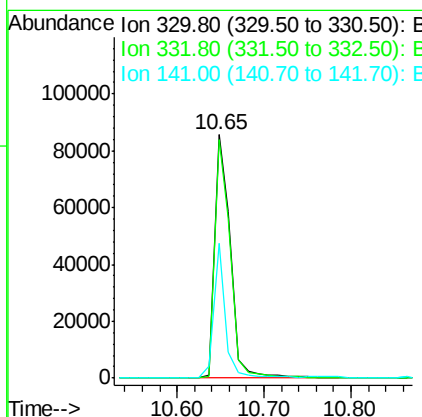
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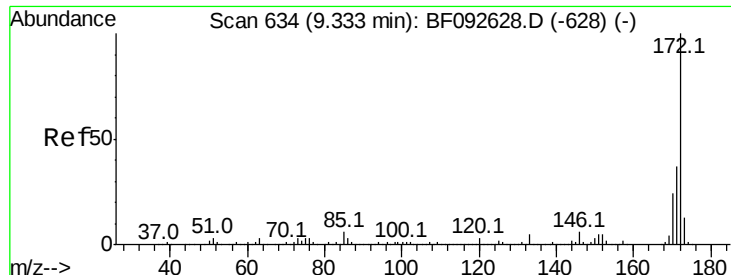
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#41
2,4,6-Tribromophenol
Concen: 55.85 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.03 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	41.8	34.1	51.1





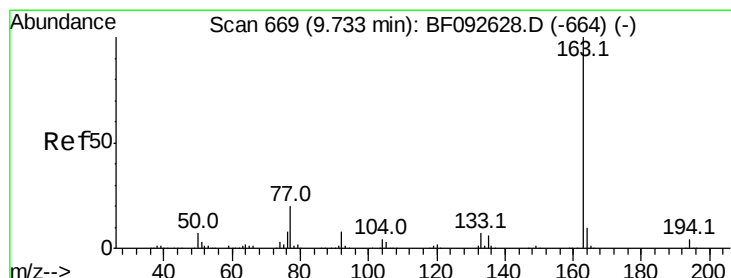
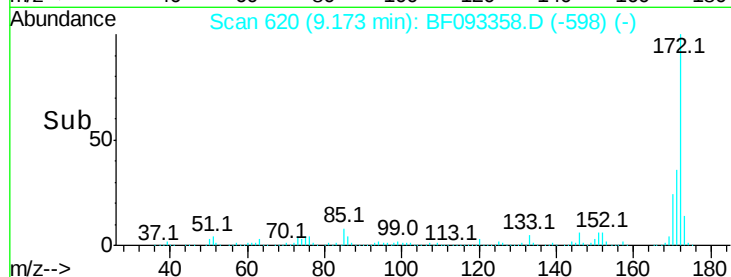
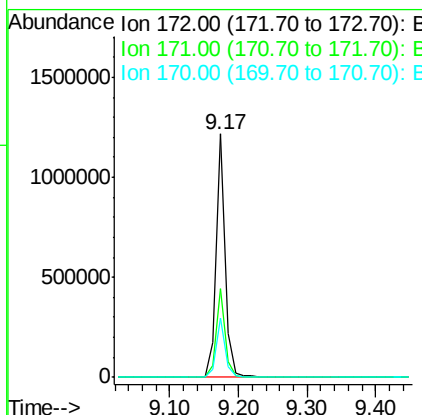
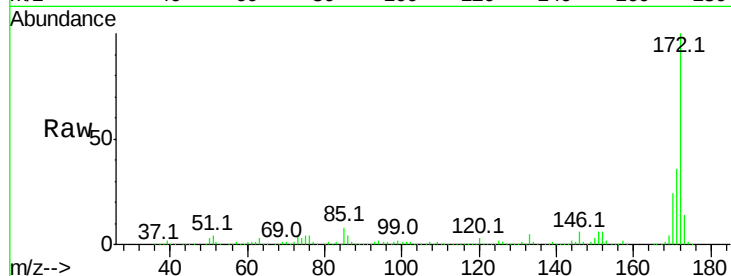
#44
 2-Fluorobiphenyl
 Concen: 76.92 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093358.D
 Acq: 3 Mar 2017 12:55

Instrument :
 BNA_F
 ClientSampleId :
 34B-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.5	20.2	30.4

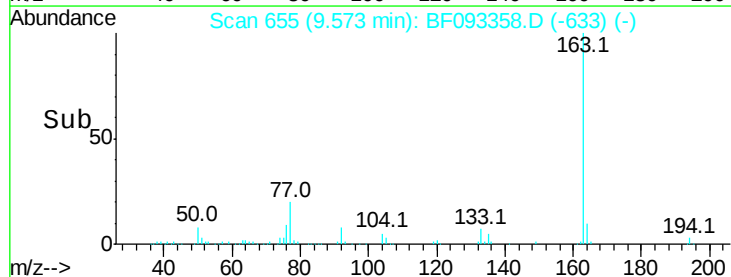
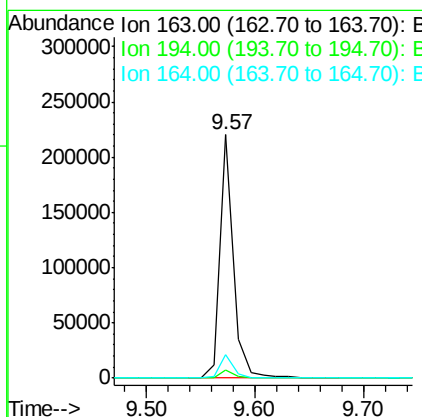
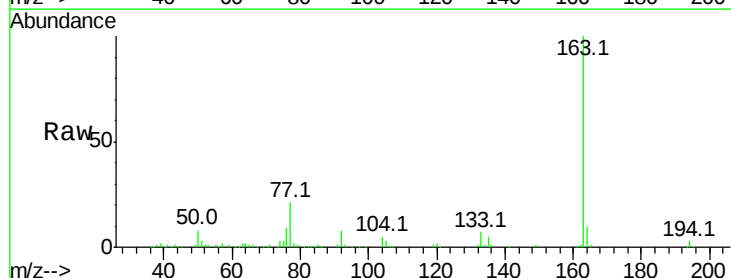
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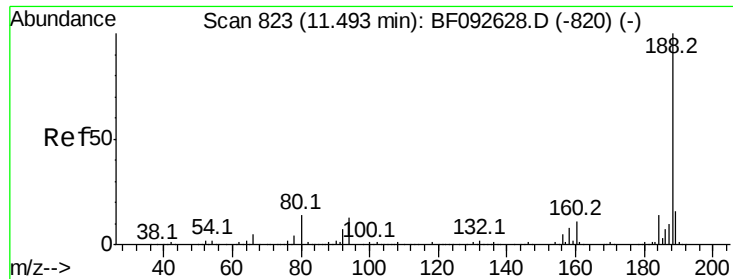
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#49
 Dimethylphthalate
 Concen: 10.54 ng
 RT: 9.57 min Scan# 655
 Delta R.T. -0.05 min
 Lab File: BF093358.D
 Acq: 3 Mar 2017 12:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	9.7	8.0	12.0





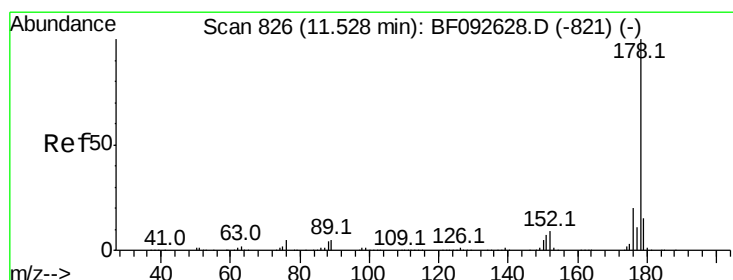
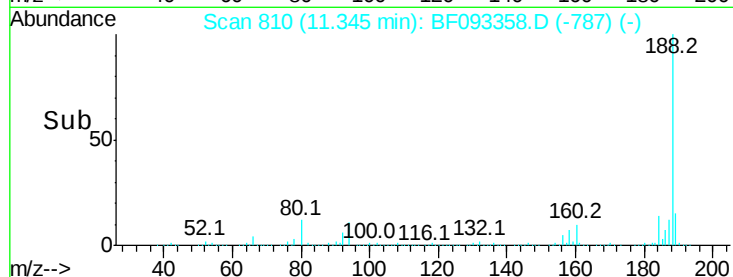
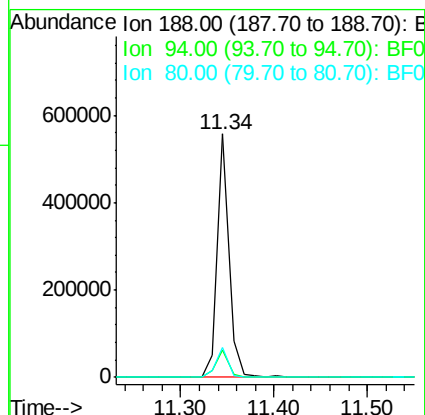
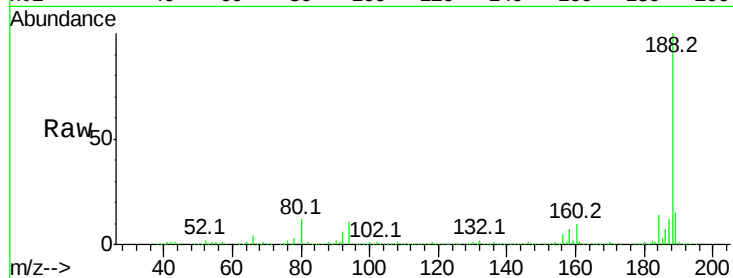
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Instrument :
BNA_F
ClientSampled :
34B-4

Tot Ion	Ratio	Resp	Lower	Upper
188	100	485378		
94	11.2	10.0	15.0	
80	12.3	11.2	16.8	

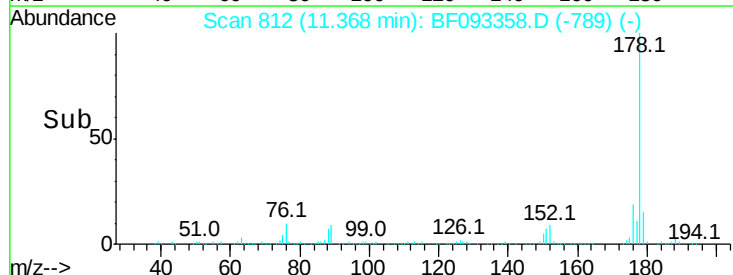
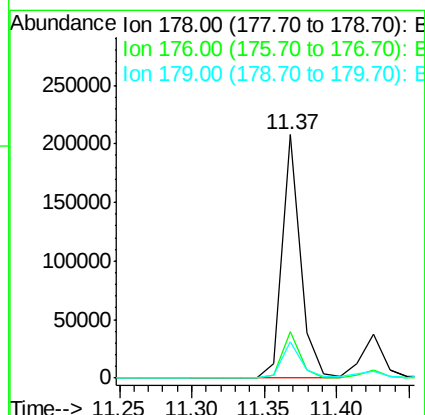
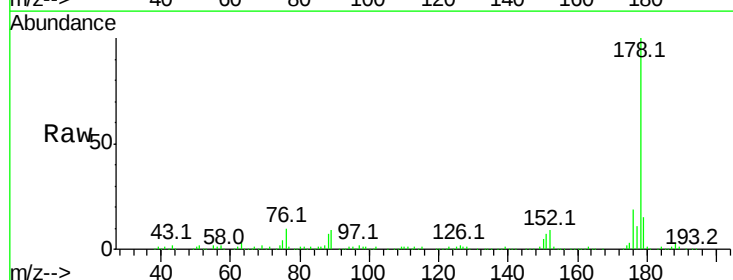
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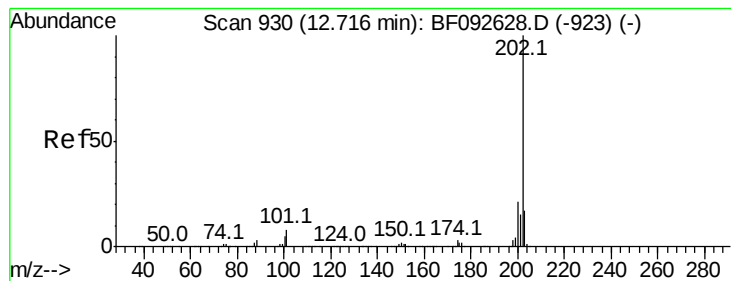
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#70
Phenanthrene
Concen: 6.54 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	181763		
176	19.3	16.6	25.0	
179	15.1	12.8	19.2	





#74

Fluoranthene

Concen: 9.40 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

Instrument :

BNA_F

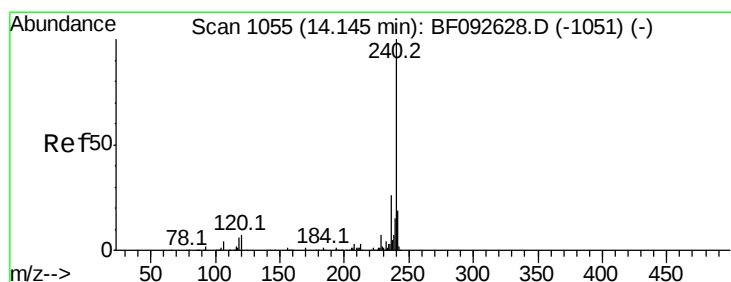
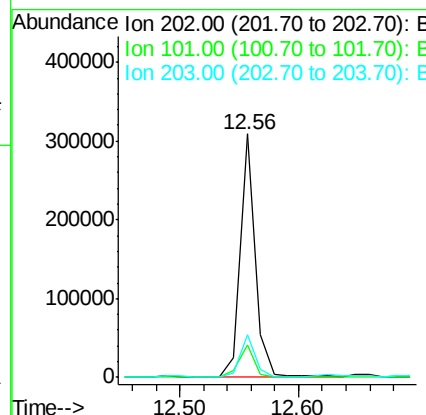
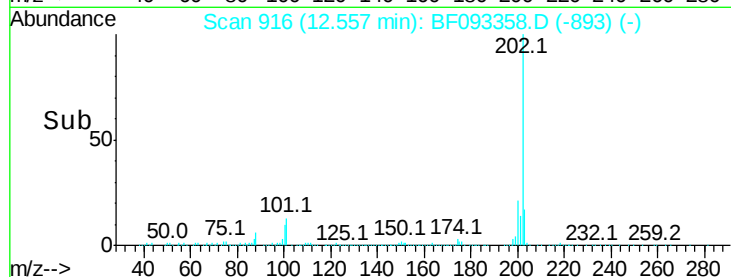
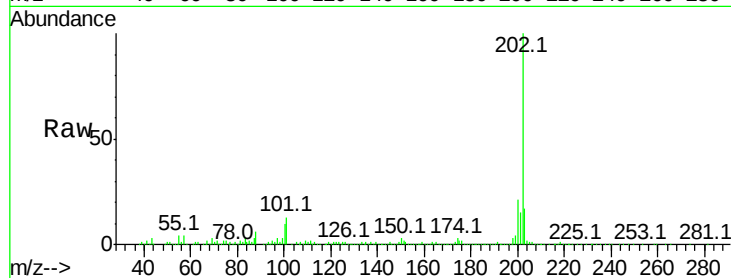
ClientSampleId :

34B-4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.3	0.0	34.6
203	17.4	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

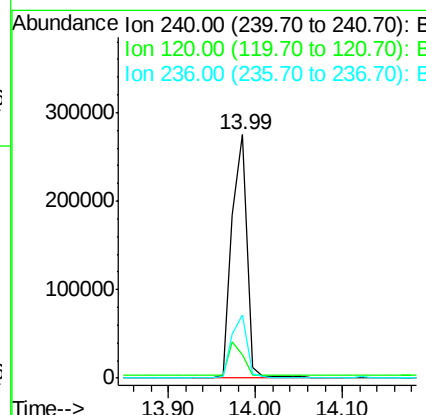
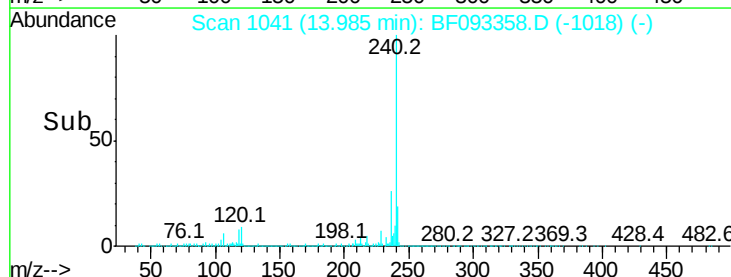
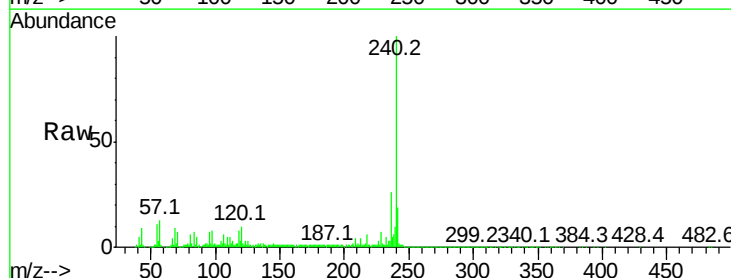
RT: 13.99 min Scan# 1041

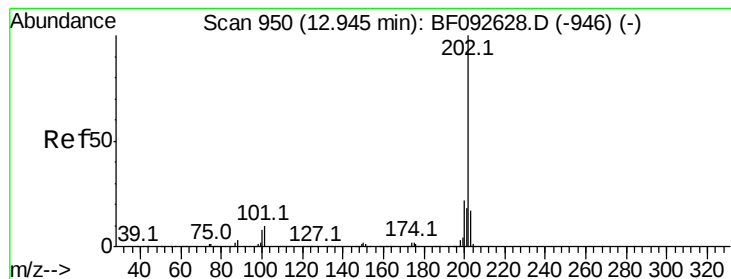
Delta R.T. -0.03 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.6	12.9	19.3#
236	25.9	20.9	31.3





#77

Pvrene

Concen: 9.77 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

Instrument :

BNA_F

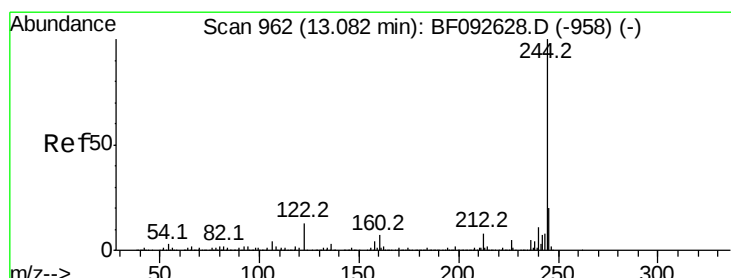
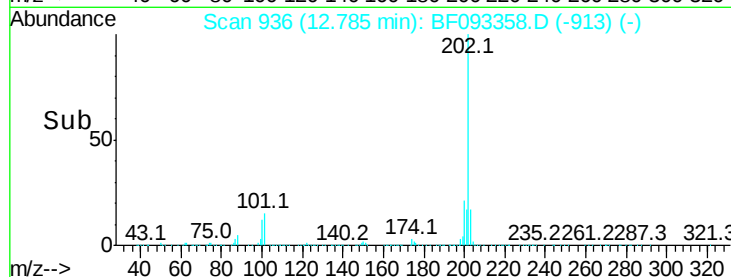
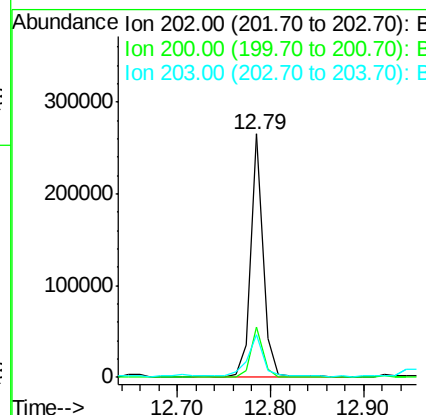
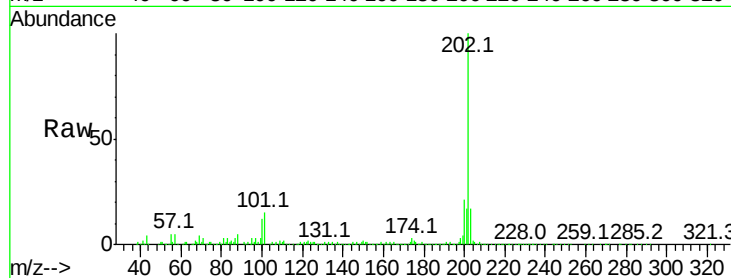
ClientSampleId :

34B-4

Tot Ion:	202	Resp:	240470
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.7	26.5
203	17.4	14.7	22.1

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#78

Terphenyl-d14

Concen: 58.08 ng

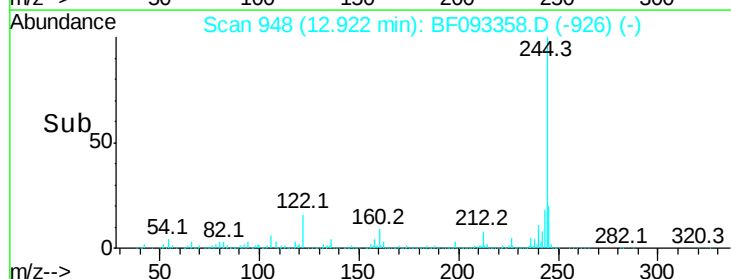
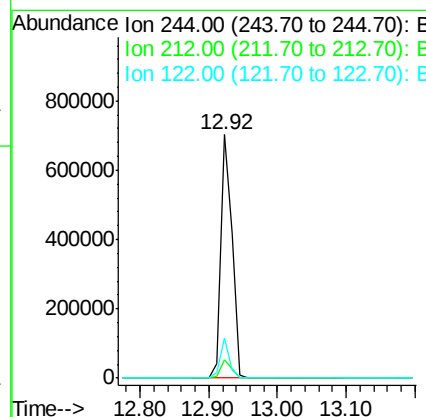
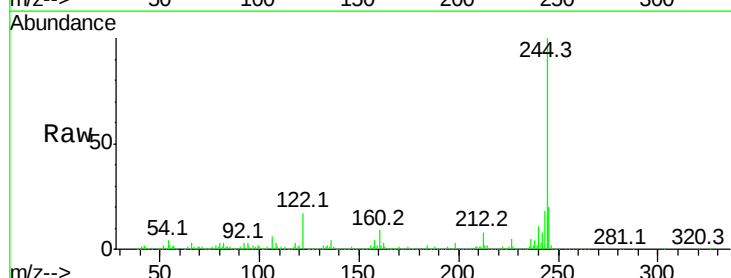
RT: 12.92 min Scan# 948

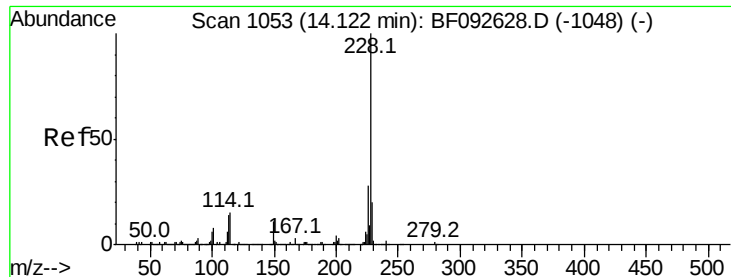
Delta R.T. -0.05 min

Lab File: BF093358.D

Acq: 3 Mar 2017 12:55

Tgt Ion:	244	Resp:	812977
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	16.5	11.4	17.2





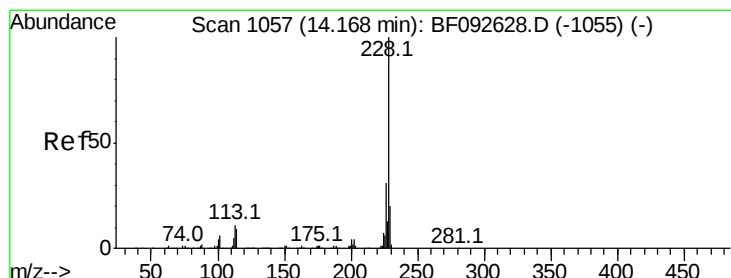
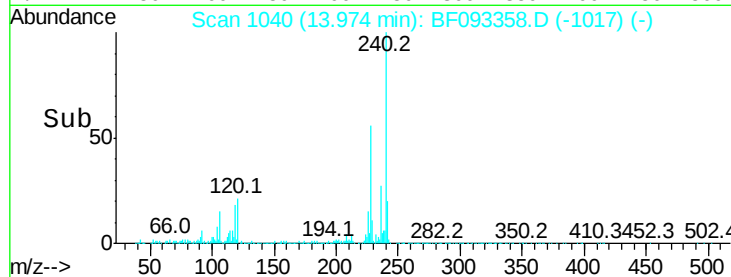
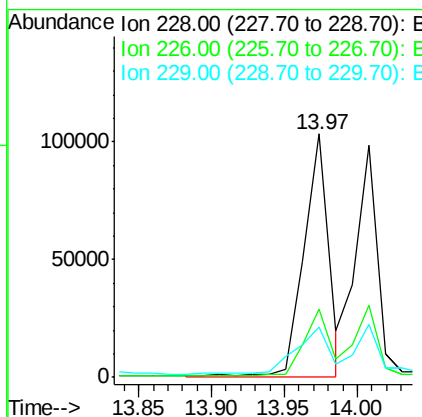
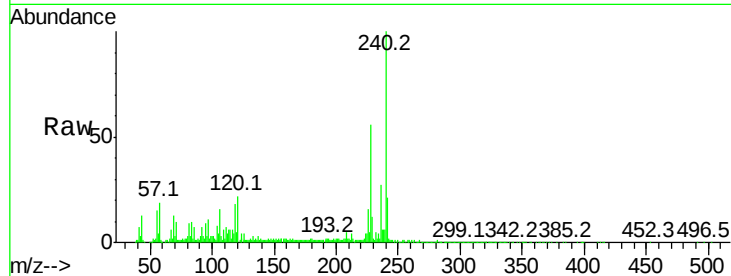
#80
Benzo(a)anthracene
Concen: 6.15 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Instrument :
BNA_F
ClientSampleId :
34B-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.4	33.6
229	20.8	16.2	24.4

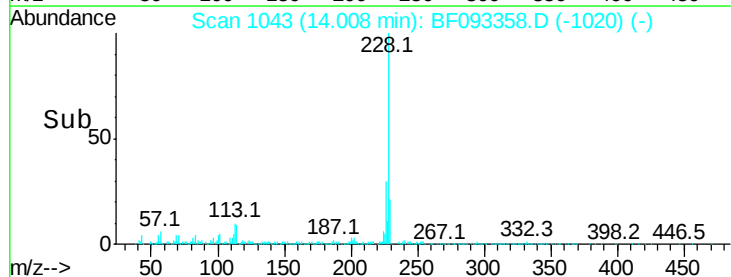
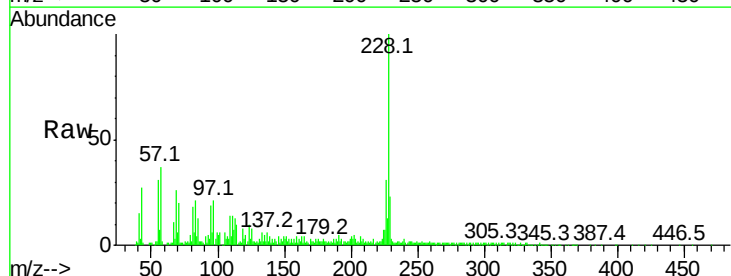
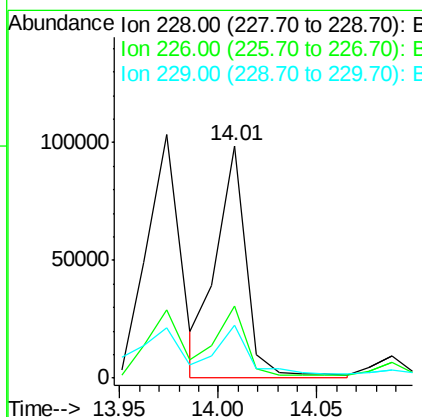
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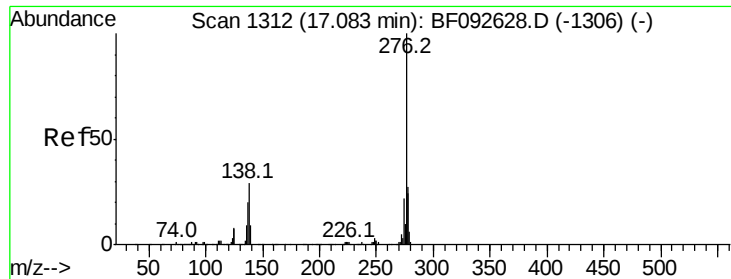
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#82
Chrysene
Concen: 5.63 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.0
229	22.8	16.2	24.2





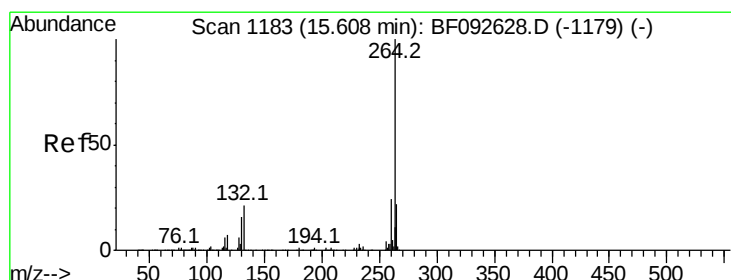
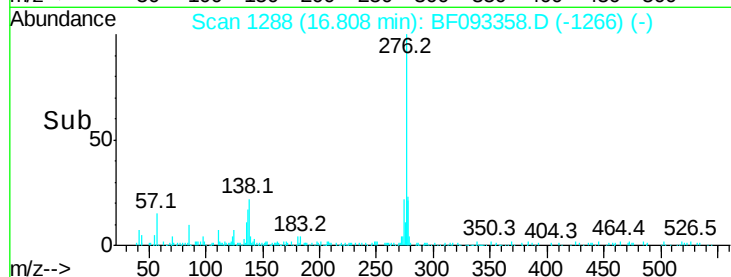
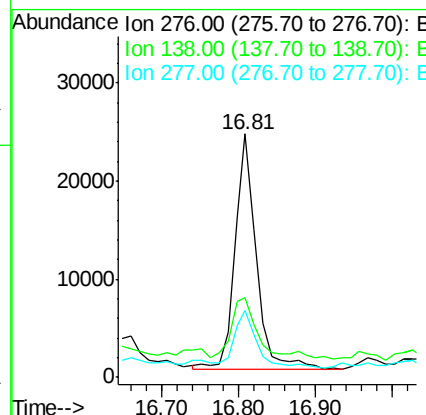
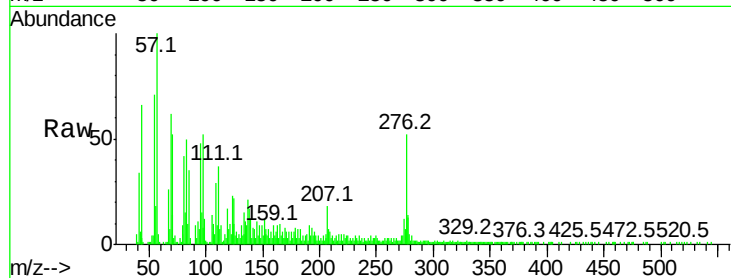
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.21 ng
 RT: 16.81 min Scan# 1288
 Delta R.T. -0.05 min
 Lab File: BF093358.D
 Acq: 3 Mar 2017 12:55

Instrument :
 BNA_F
 ClientSampleId :
 34B-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.2	21.8	32.6
277	26.1	20.2	30.4

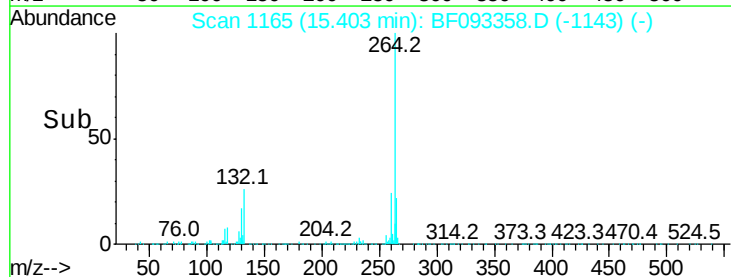
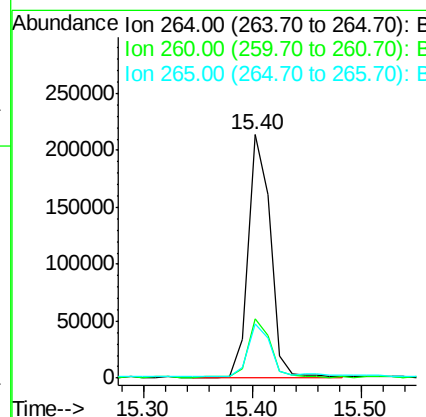
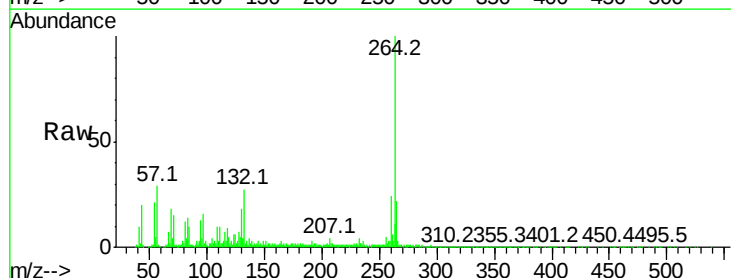
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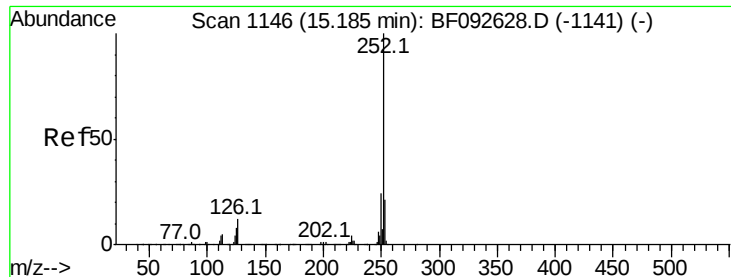
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.05 min
 Lab File: BF093358.D
 Acq: 3 Mar 2017 12:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.4	17.4	26.0





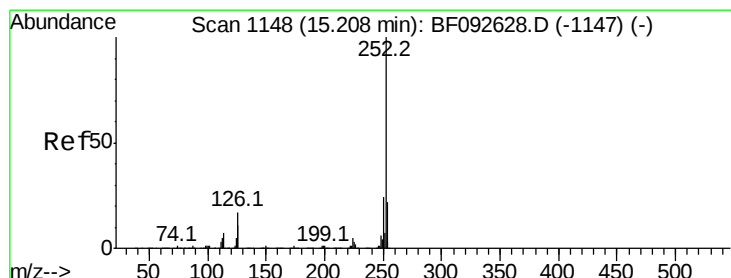
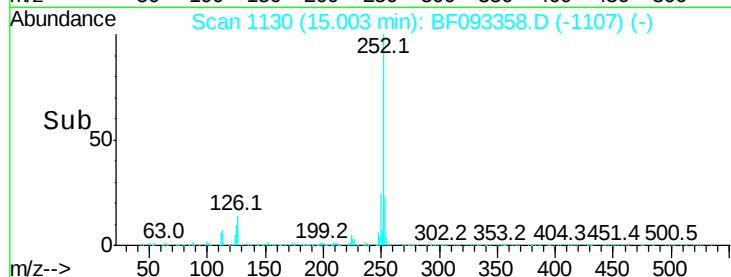
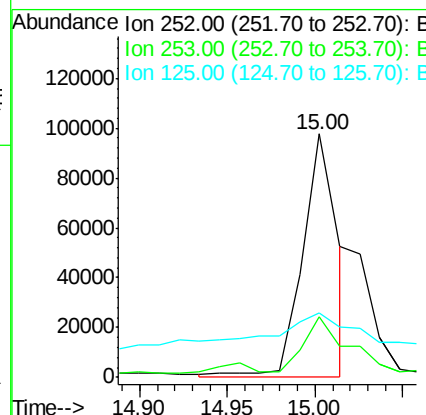
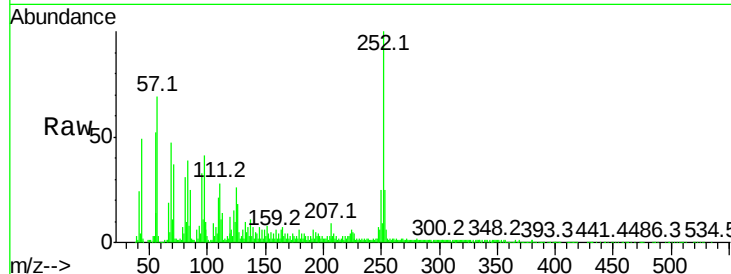
#87
Benzo(b)fluoranthene
Concen: 6.98 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Instrument :
BNA_F
ClientSampleId :
34B-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	26.4	9.8	14.6

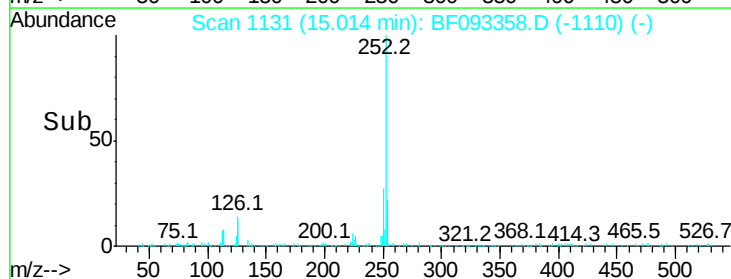
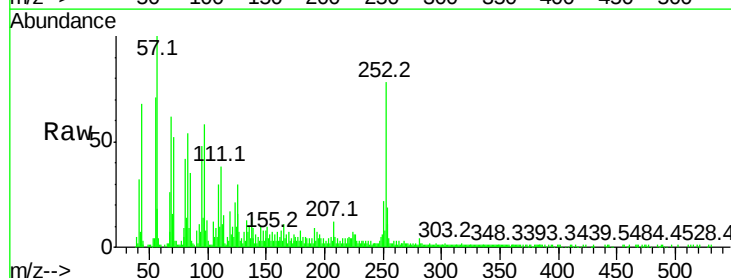
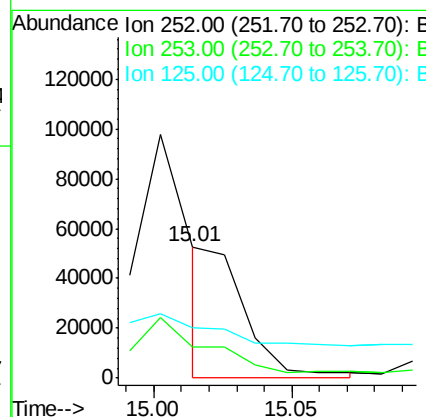
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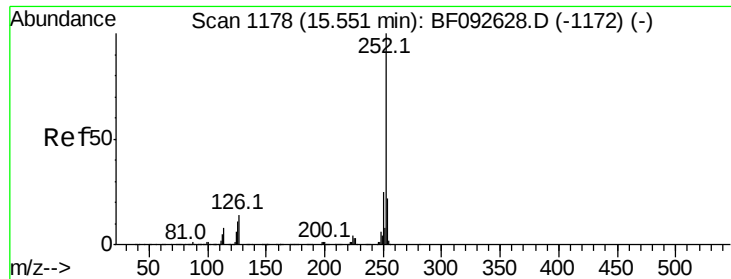
mohammad
3/3/2017 5:17:23 PM



#88
Benzo(k)fluoranthene
Concen: 2.98 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.5	27.7
125	38.2	8.9	13.3





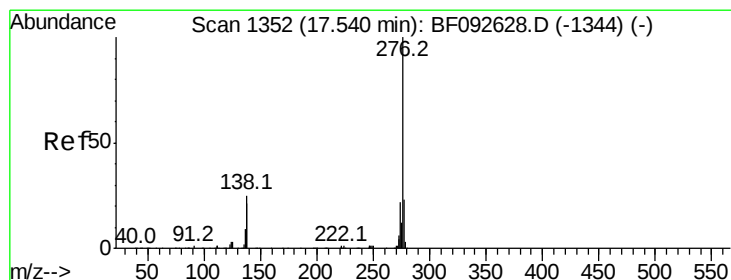
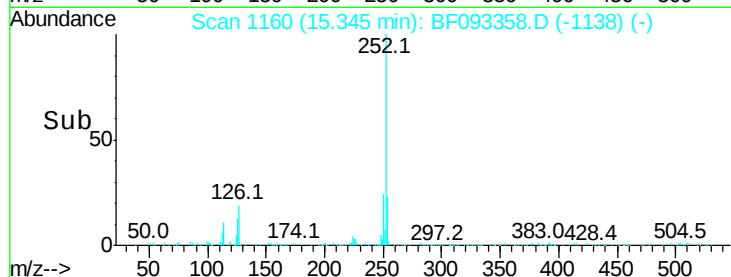
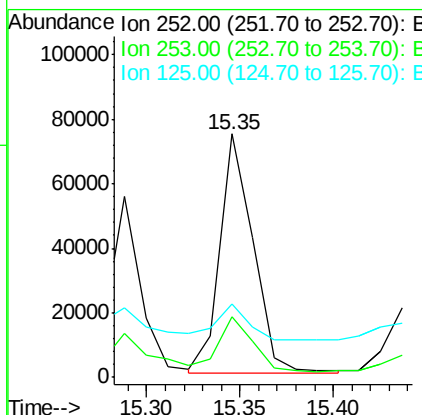
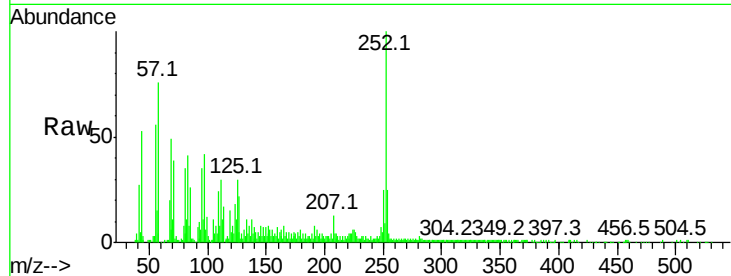
#89
Benzo(a)pyrene
Concen: 5.48 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Instrument :
BNA_F
ClientSampled :
34B-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	29.9	10.0	15.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.98 ng
RT: 17.23 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF093358.D
Acq: 3 Mar 2017 12:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	35.4	16.0	24.0

