

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
 Data File : BF093450.D
 Acq On : 9 Mar 2017 1:13
 Operator : SJ/MA
 Sample : I2133-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB422B

Manual Integrations
 APPROVED

mohammad
 3/10/2017 8:12:26 AM

Quant Time: Mar 09 04:32:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	121410	20.00	ng	0.01
21) Naphthalene-d8	8.08	136	188487	20.00	ng	0.02
38) Acenaphthene-d10	9.88	164	91654m	20.00	ng	0.07
63) Phenanthrene-d10	11.35	188	151102	20.00	ng	0.07
75) Chrysene-d12	13.96	240	302066	20.00	ng	0.03
86) Perylene-d12	15.36	264	263436	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1005393	137.82	ng	0.01
7) Phenol-d6	6.42	99	1196125	130.03	ng	0.01
23) Nitrobenzene-d5	7.35	82	631101	185.78	ng	0.01
41) 2,4,6-Tribromophenol	10.68	330	74821	125.30	ng	0.08
44) 2-Fluorobiphenyl	9.19	172	428924	87.05	ng	0.06
78) Terphenyl-d14	12.91	244	567500	48.85	ng	0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	179281m	29.51	ng	
51) Acenaphthene	9.91	154	229248	45.99	ng	# 55
57) Fluorene	10.42	166	507885m	96.07	ng	
70) Phenanthrene	11.38	178	1675201	194.23	ng	# 92
74) Fluoranthene	12.55	202	229567	27.56	ng	90
77) Pyrene	12.78	202	786280	35.79	ng	# 92
80) Benzo(a)anthracene	13.95	228	164122m	9.20	ng	
82) Chrysene	13.98	228	136899m	8.29	ng	
83) Bis(2-ethylhexyl)phthalate	13.91	149	40314	3.13	ng	# 75
85) Indeno(1,2,3-cd)pyrene	16.76	276	33511	2.43	ng	# 91
87) Benzo(b)fluoranthene	14.96	252	87340m	5.44	ng	
88) Benzo(k)fluoranthene	14.97	252	41487m	2.68	ng	
89) Benzo(a)pyrene	15.32	252	96701	6.59	ng	# 61
91) Benzo(a,h,i)perylene	17.18	276	48471	3.89	ng	# 75

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

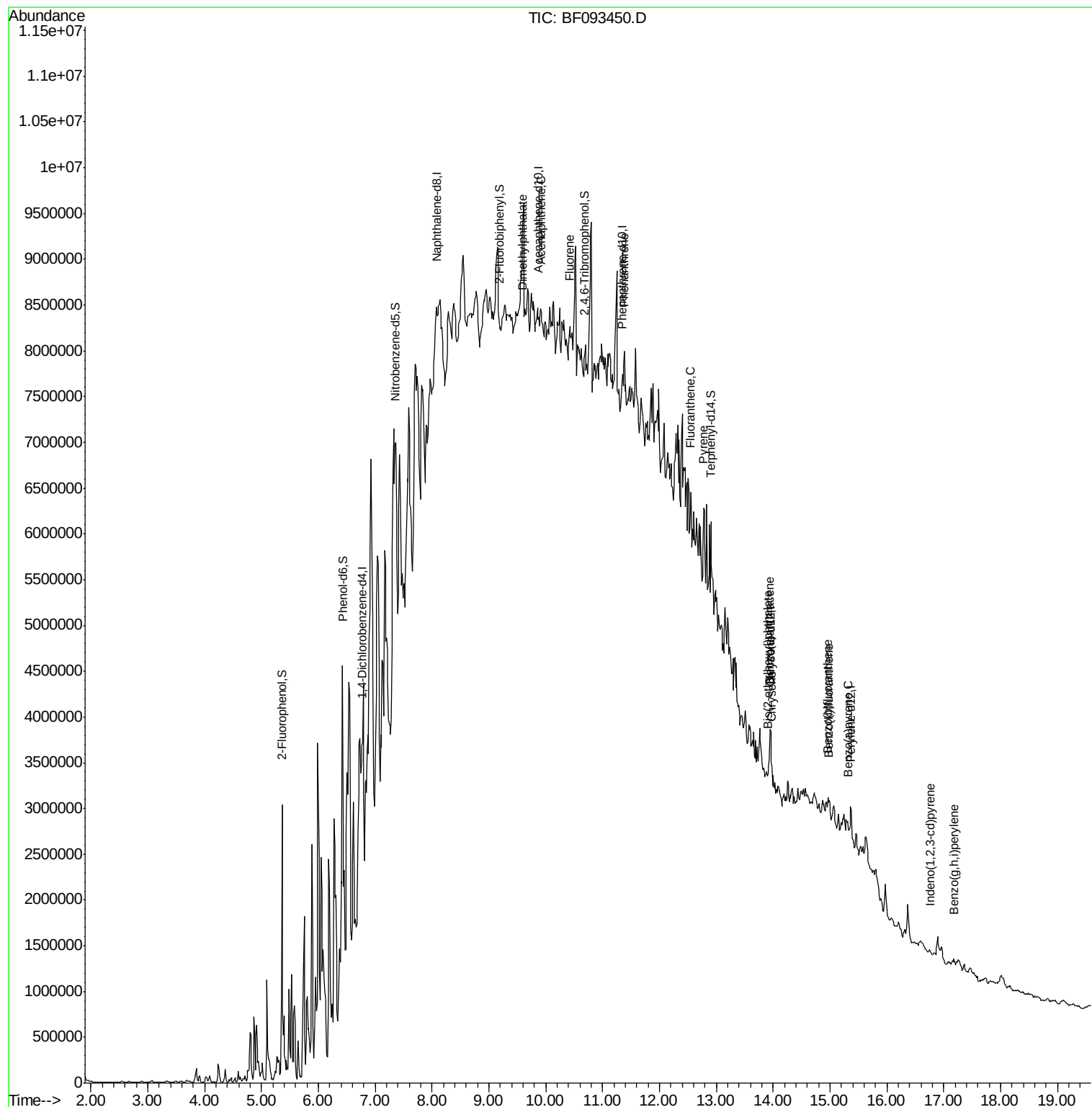
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
Data File : BF093450.D
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Sample : I2133-03
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ALS Vial : 22 Sample Multiplier: 1

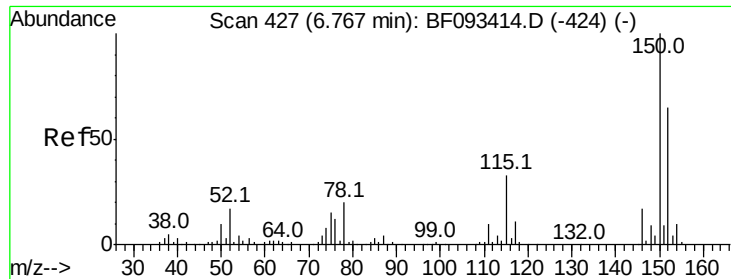
Instrument :
BNA_F
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#1

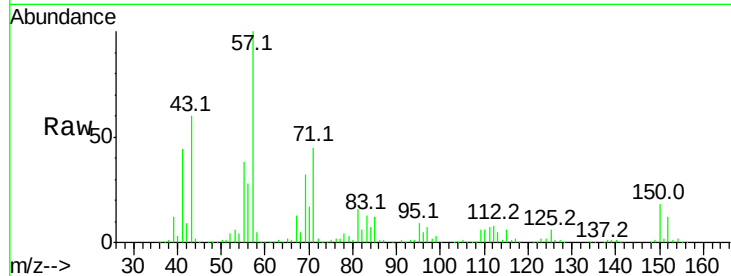
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 428
Delta R.T. 0.01 min
Lab File: BF093450.D
Acq: 9 Mar 2017 1:13

Instrument :
BNA_F
ClientSampleId :
HY-SB422B

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.5	124.9	187.3
115	51.6	46.0	69.0

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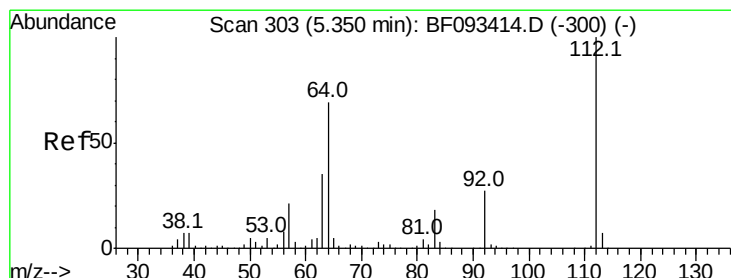
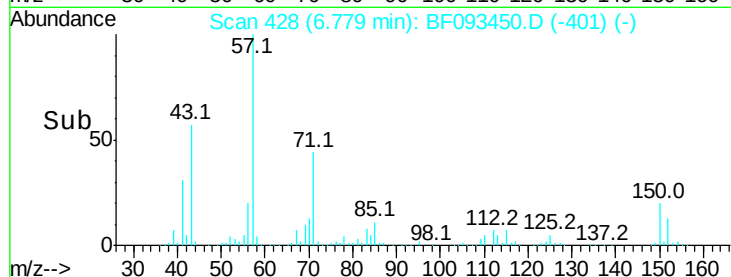
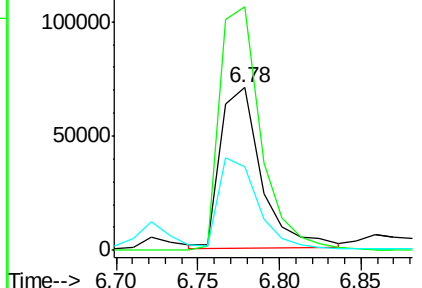


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

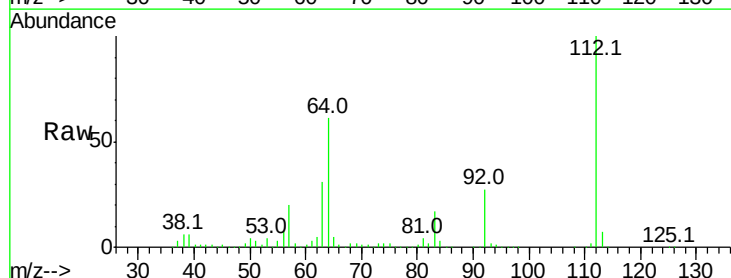
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 137.82 ng
RT: 5.36 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF093450.D
Acq: 9 Mar 2017 1:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	46.1	69.1
63	30.7	23.8	35.6

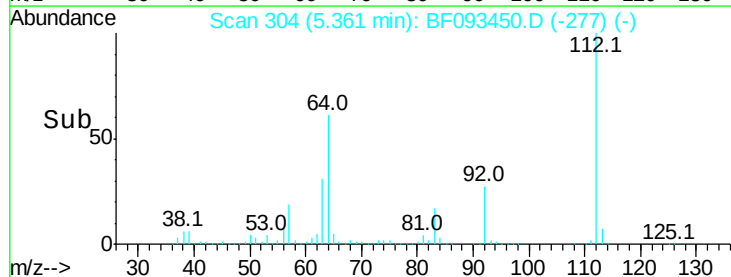
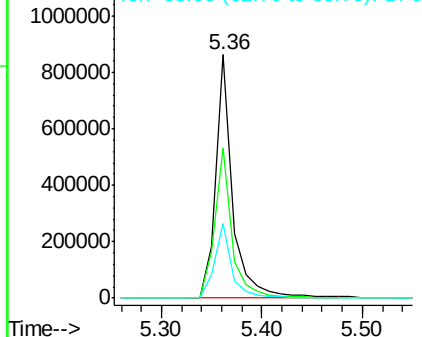


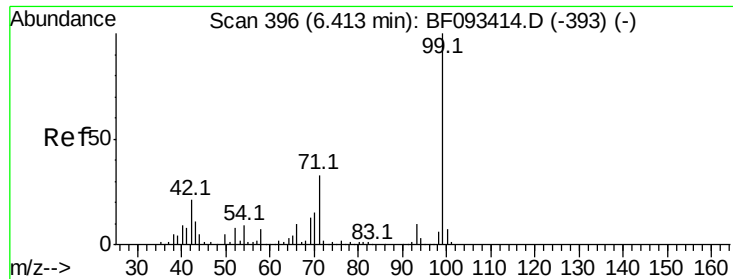
Abundance

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: 130.03 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093450.D

Acq: 9 Mar 2017 1:13

Instrument :

BNA_F

ClientSampled :

HY-SB422B

Tot Ion: 99 Resp: 1196125

Ion Ratio Lower Upper

99 100

42 23.1 15.6 23.4

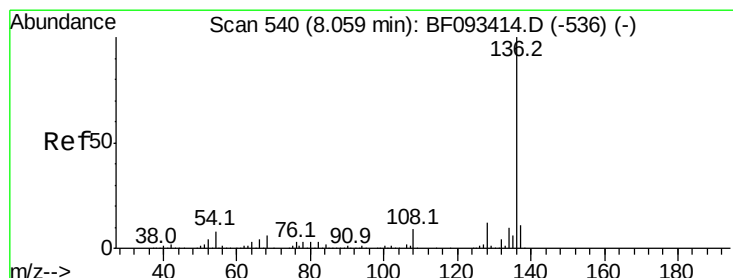
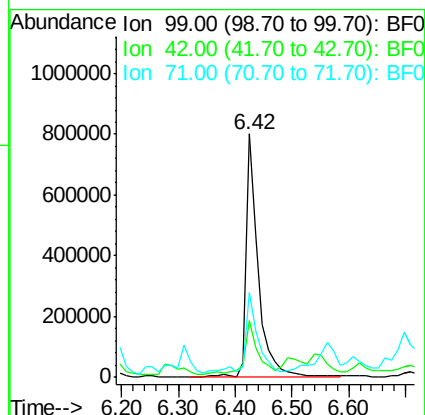
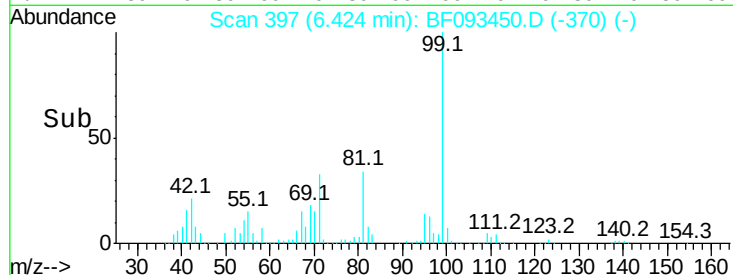
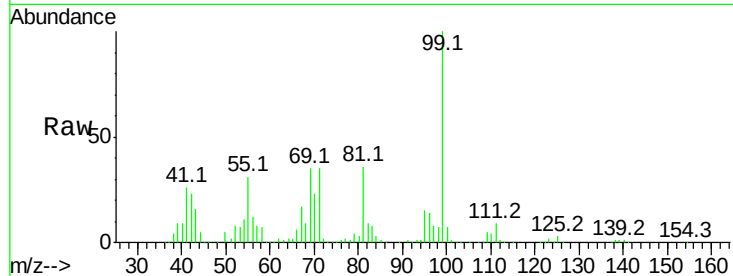
71 35.0 27.5 41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 542

Delta R.T. 0.02 min

Lab File: BF093450.D

Acq: 9 Mar 2017 1:13

Tgt Ion: 136 Resp: 188487

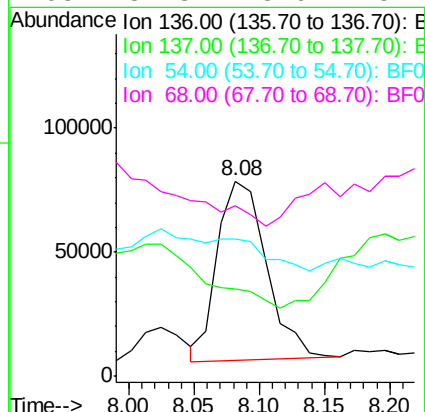
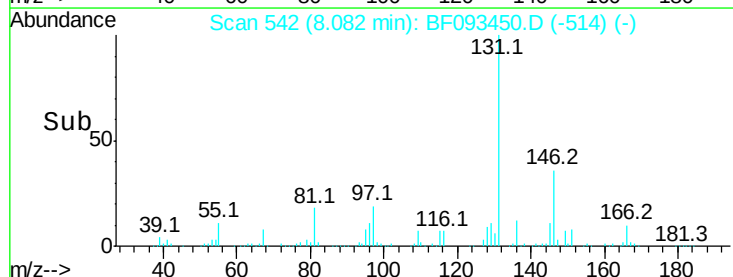
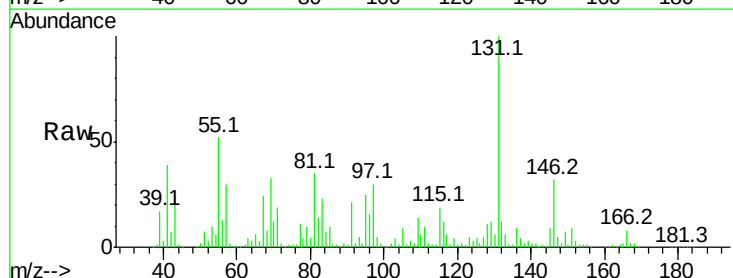
Ion Ratio Lower Upper

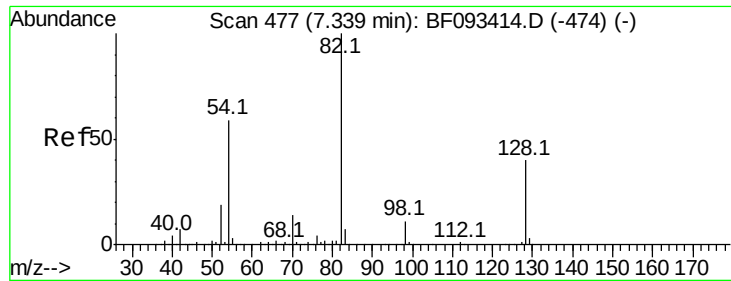
136 100

137 44.3 8.4 12.6#

54 70.3 4.5 6.7#

68 87.3 3.6 5.4#





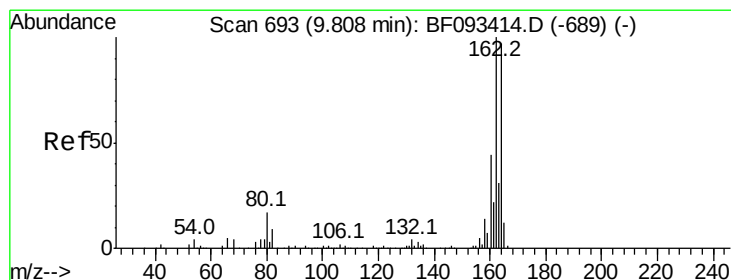
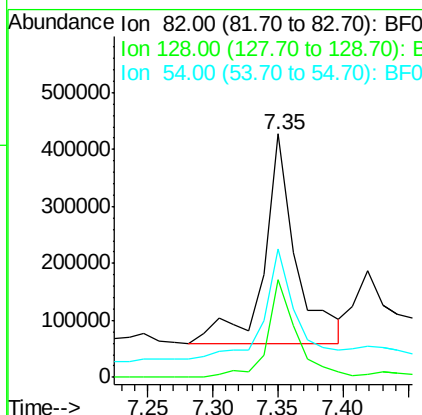
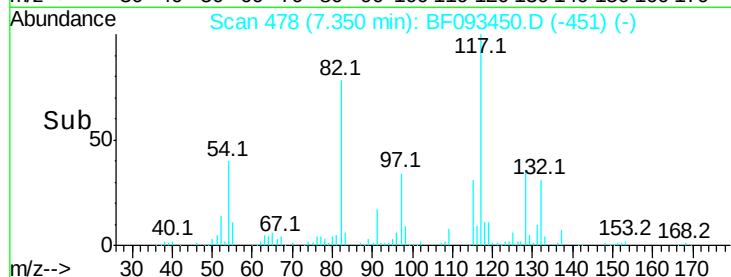
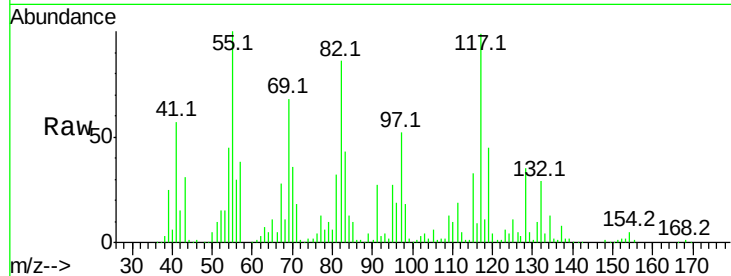
#23
 Nitrobenzene-d5
 Concen: 185.78 ng
 RT: 7.35 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: BF093450.D
 Acq: 9 Mar 2017 1:13

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB422B

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.1	34.6	52.0
54	52.7	39.5	59.3

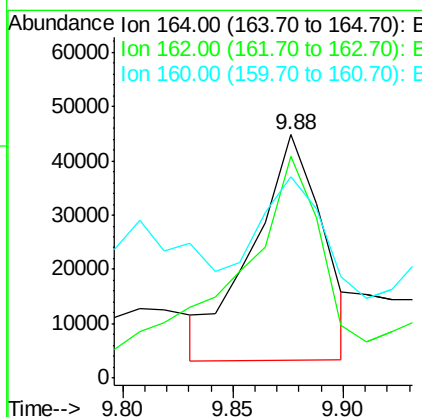
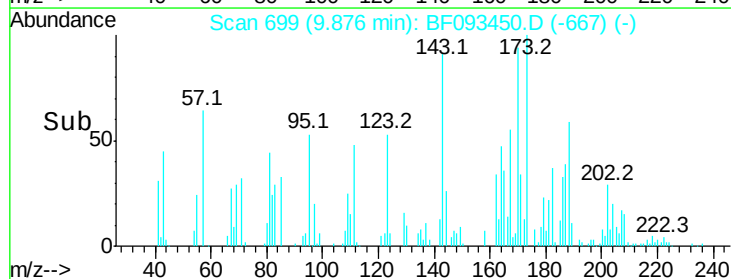
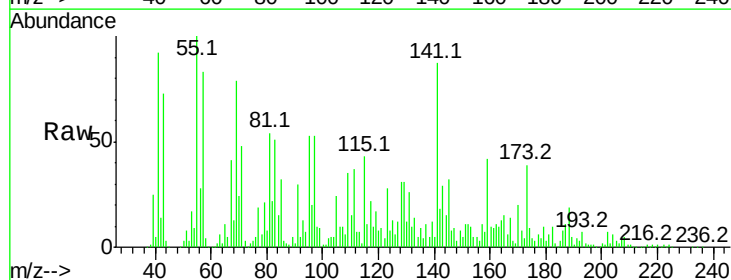
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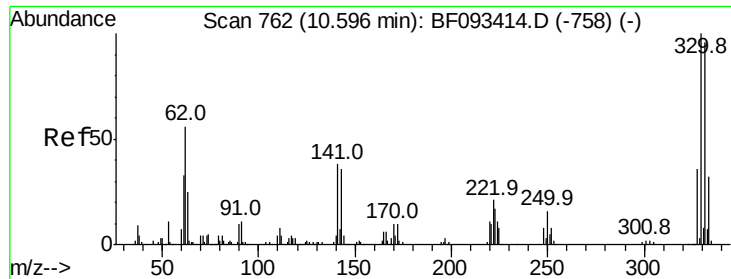
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#38
 Acenaphthene-d10
 Concen: 20.00 ng m
 RT: 9.88 min Scan# 699
 Delta R.T. 0.07 min
 Lab File: BF093450.D
 Acq: 9 Mar 2017 1:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	91.0	80.2	120.2
160	82.8	36.9	55.3





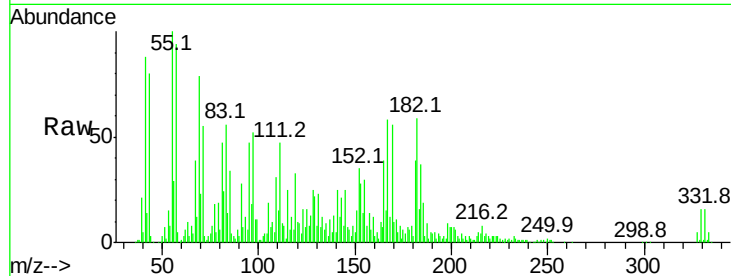
#41
 2,4,6-Tribromophenol
 Concen: 125.30 ng
 RT: 10.68 min Scan# 769
 Delta R.T. 0.08 min
 Lab File: BF093450.D
 Acq: 9 Mar 2017 1:13

Instrument :
 BNA_F
 ClientSampled :
 HY-SB422B

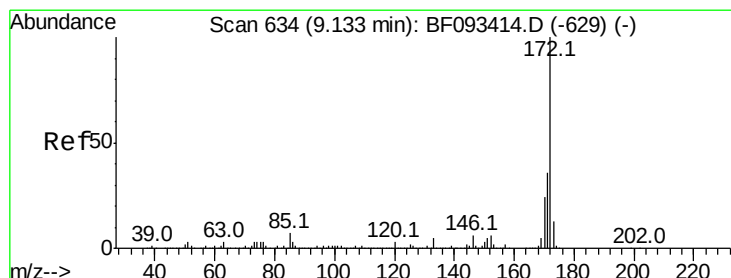
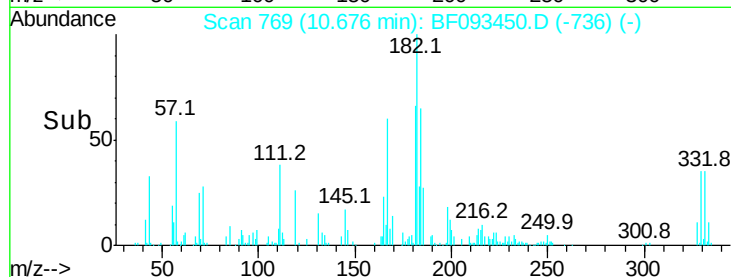
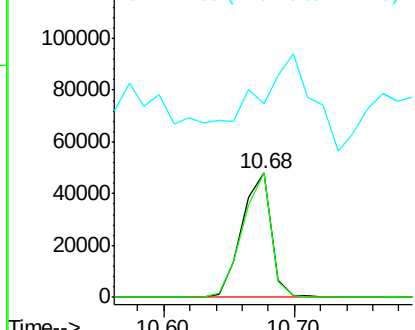
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.2
141	0.0	34.1	51.1#

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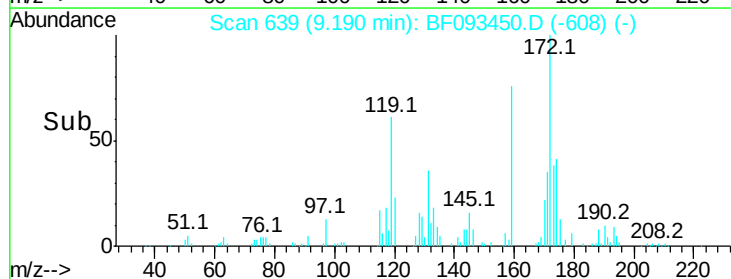
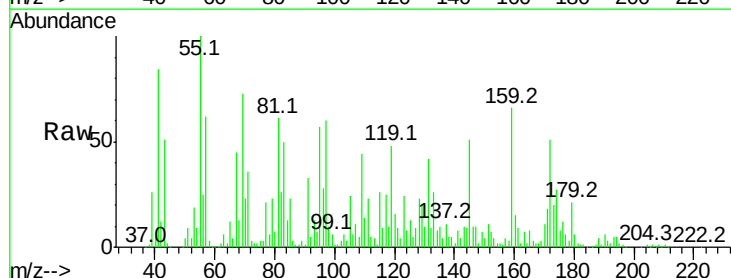
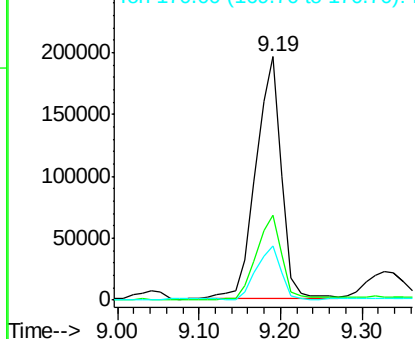
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

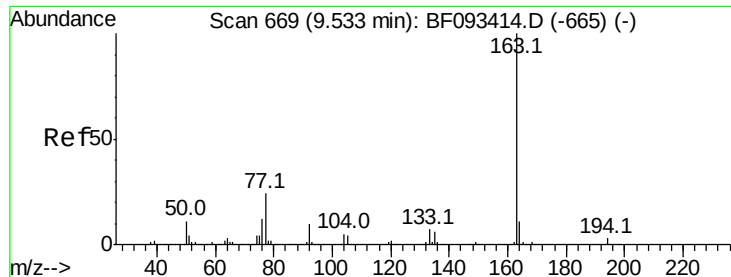


#44
 2-Fluorobiphenyl
 Concen: 87.05 ng
 RT: 9.19 min Scan# 639
 Delta R.T. 0.06 min
 Lab File: BF093450.D
 Acq: 9 Mar 2017 1:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.4	44.0
170	22.2	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





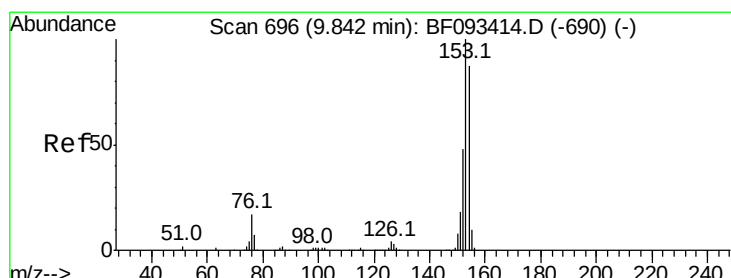
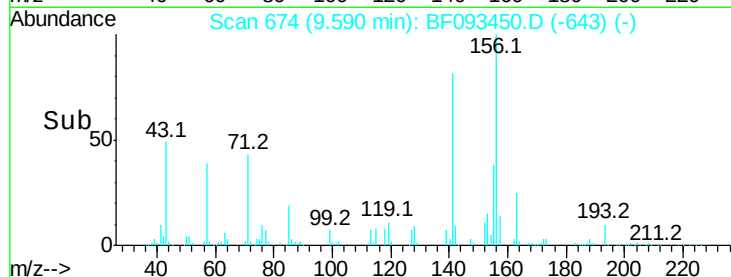
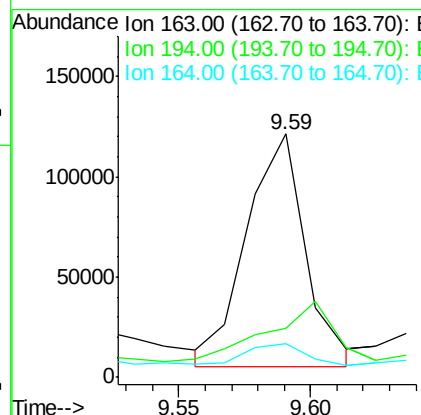
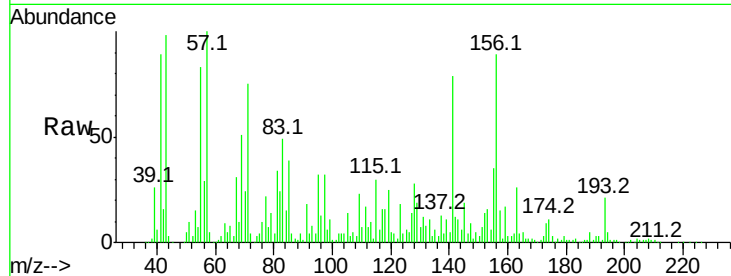
#49
Dimethylphthalate
Concen: 29.51 ng/ml
RT: 9.59 min Scan# 674
Delta R.T. 0.06 min
Lab File: BF093450.D
Acq: 9 Mar 2017 1:13

Instrument :
BNA_F
ClientSampleId :
HY-SB422B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	179281		
194	20.3	3.0	4.4#	
164	14.0	8.0	12.0#	

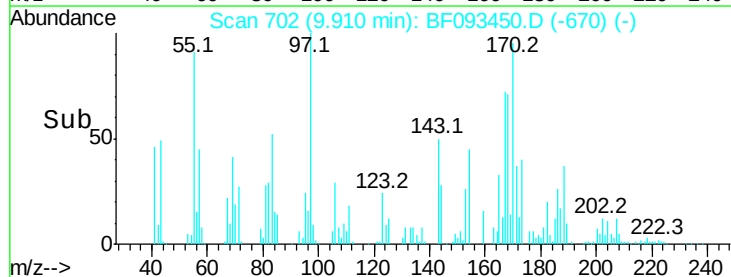
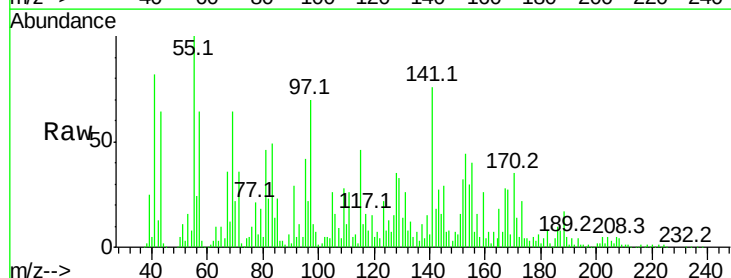
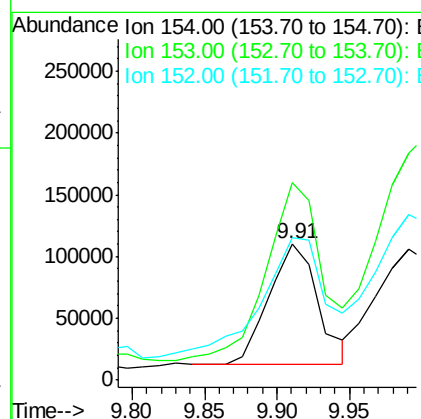
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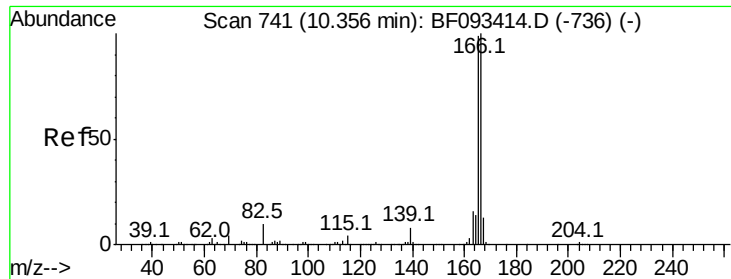
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#51
Acenaphthene
Concen: 45.99 ng/ml
RT: 9.91 min Scan# 702
Delta R.T. 0.07 min
Lab File: BF093450.D
Acq: 9 Mar 2017 1:13

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	229248		
153	144.3	88.6	133.0#	
152	104.1	41.6	62.4#	





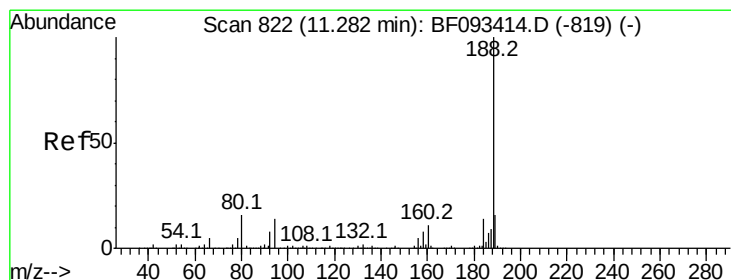
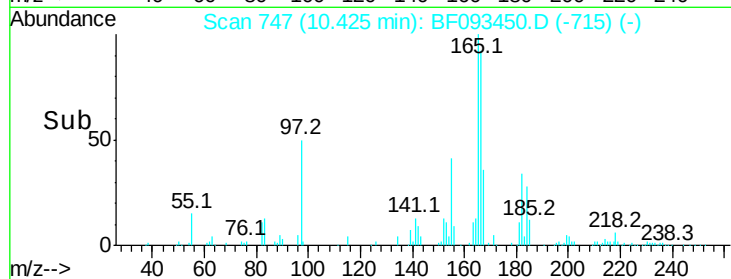
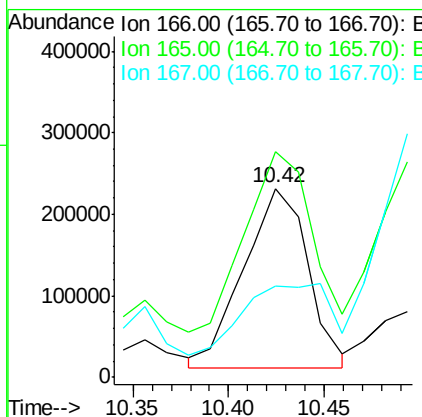
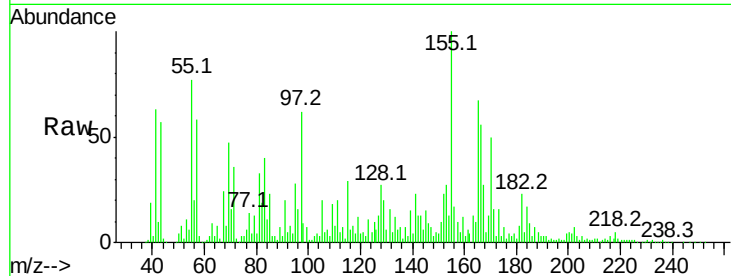
#57
Fluorene
Concen: 96.07 ng/ml
RT: 10.42 min Scan# 747
Delta R.T. 0.07 min
Lab File: BF093450.D
Acq: 9 Mar 2017 1:13

Instrument :
BNA_F
ClientSampleId :
HY-SB422B

Tot Ion	Ratio	Lower	Upper
166	100		
165	119.3	77.8	116.8#
167	48.3	10.8	16.2#

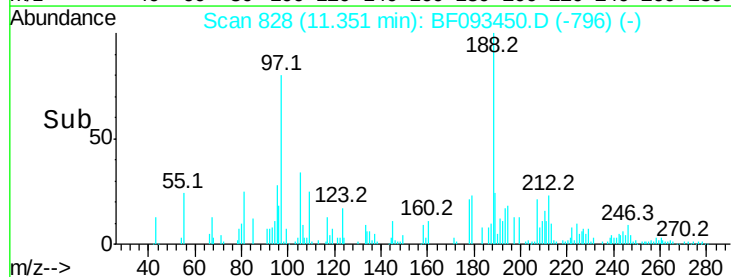
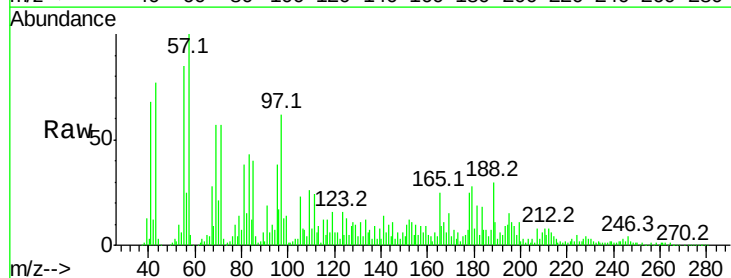
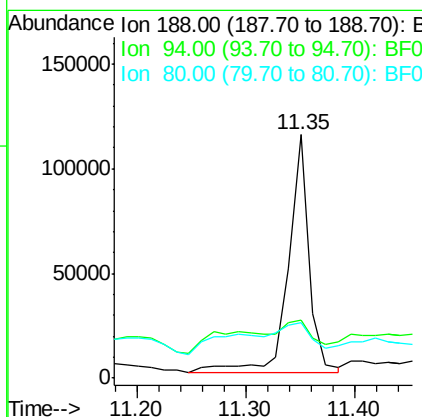
Manual Integrations
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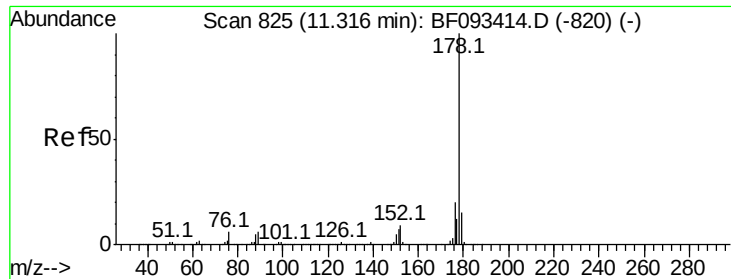
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 828
Delta R.T. 0.07 min
Lab File: BF093450.D
Acq: 9 Mar 2017 1:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	23.6	10.0	15.0#
80	23.0	11.2	16.8#





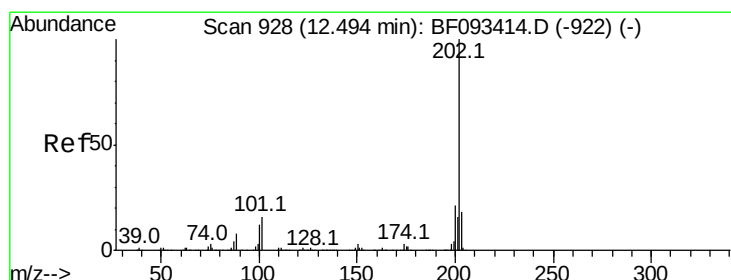
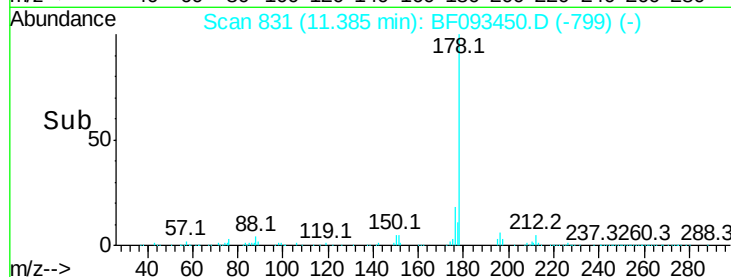
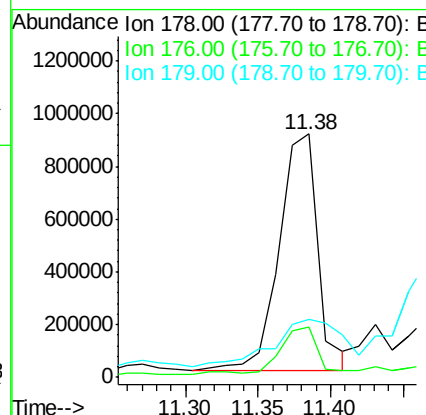
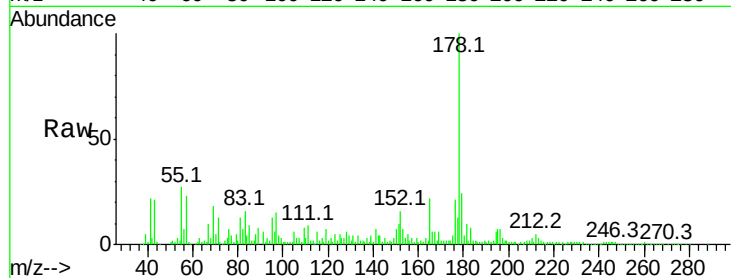
#70
Phenanthrene
Concen: 194.23 ng
RT: 11.38 min Scan# 831
Delta R.T. 0.07 min
Lab File: BF093450.D
Acq: 9 Mar 2017 1:13

Instrument :
BNA_F
ClientSampleId :
HY-SB422B

Tot Ion:178 Resp: 1675201
Ion Ratio Lower Upper
178 100
176 20.5 16.6 25.0
179 23.8 12.8 19.2#

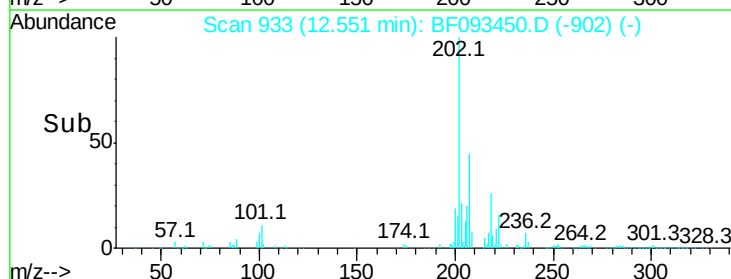
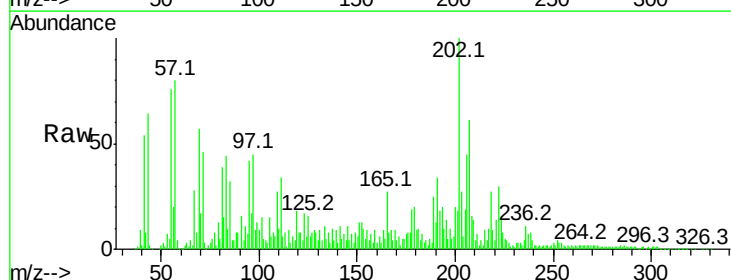
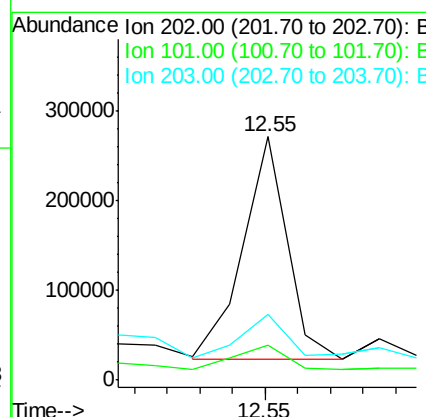
Manual Integrations
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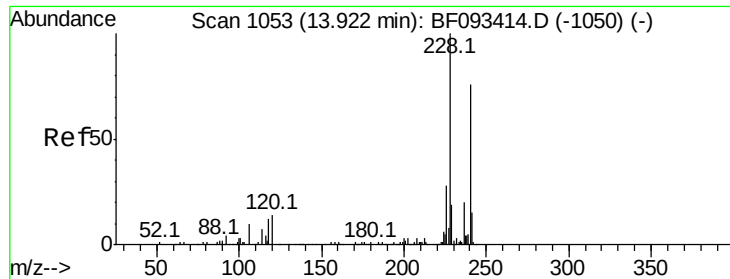
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#74
Fluoranthene
Concen: 27.56 ng
RT: 12.55 min Scan# 933
Delta R.T. 0.06 min
Lab File: BF093450.D
Acq: 9 Mar 2017 1:13

Tgt Ion:202 Resp: 229567
Ion Ratio Lower Upper
202 100
101 14.6 0.0 34.6
203 26.8 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1056

Delta R.T. 0.03 min

Lab File: BF093450.D

Acq: 9 Mar 2017 1:13

Instrument :

BNA_F

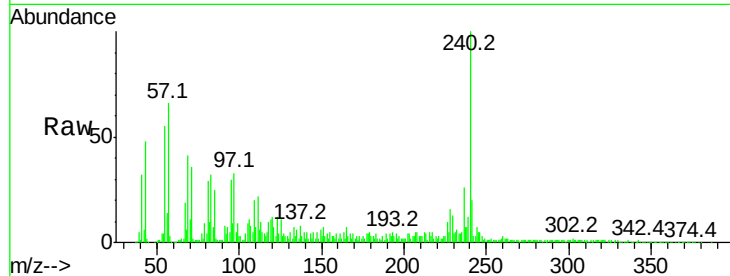
ClientSampleId :

HY-SB422B

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.3	12.9	19.3#	
236	26.4	20.9	31.3	

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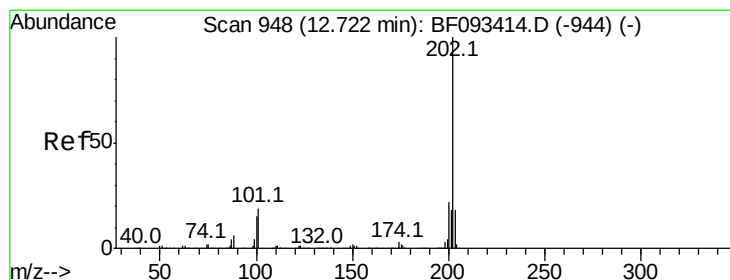
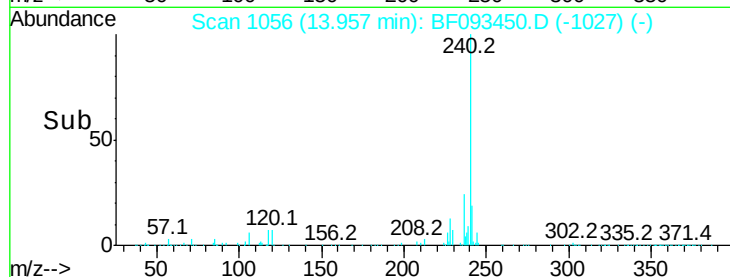
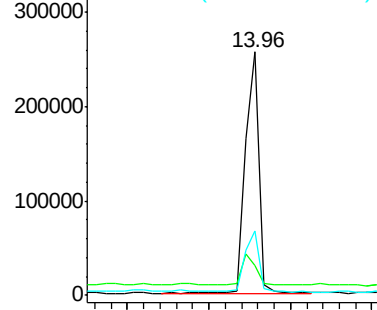
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 35.79 ng

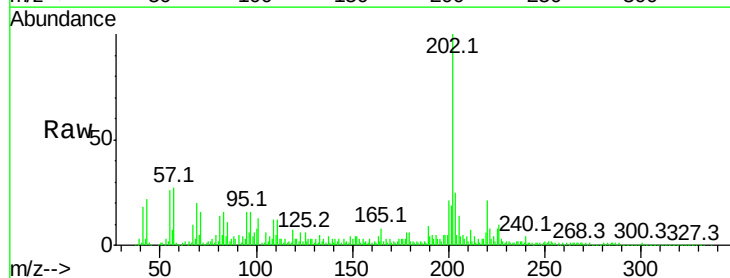
RT: 12.78 min Scan# 953

Delta R.T. 0.06 min

Lab File: BF093450.D

Acq: 9 Mar 2017 1:13

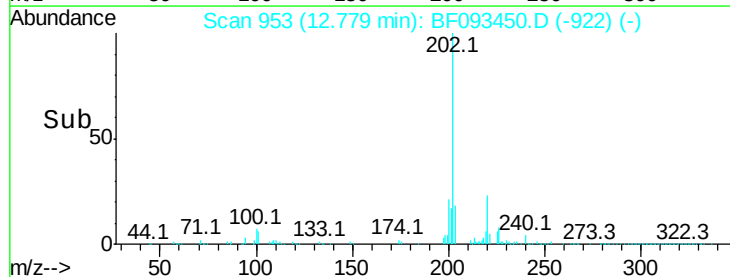
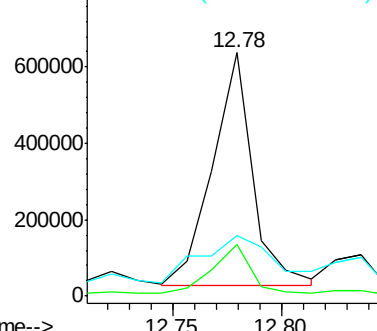
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.4	17.7	26.5	
203	25.0	14.7	22.1#	

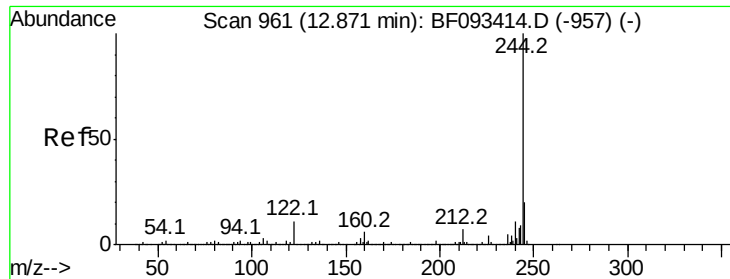


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 48.85 ng

RT: 12.91 min Scan# 964

Delta R.T. 0.03 min

Lab File: BF093450.D

Acq: 9 Mar 2017 1:13

Instrument :

BNA_F

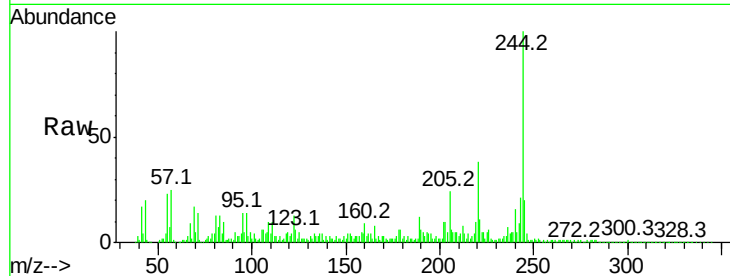
ClientSampleId :

HY-SB422B

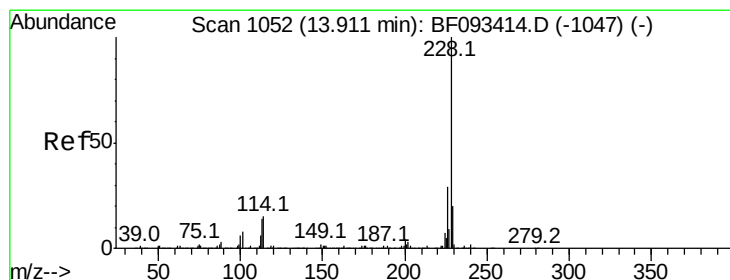
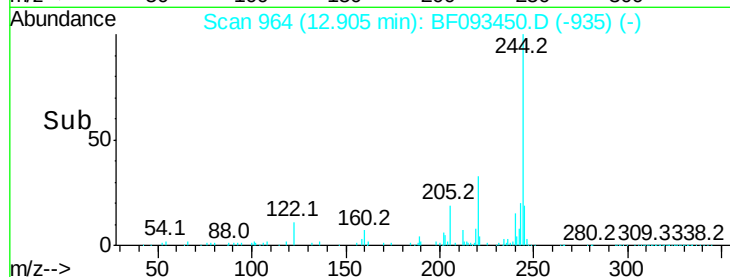
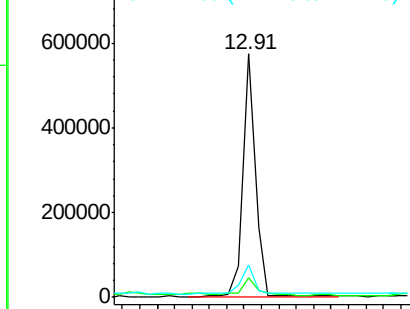
Tot Ion:	244	Resp:	567500
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.2	9.2
122	13.1	11.4	17.2

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.20 ng m

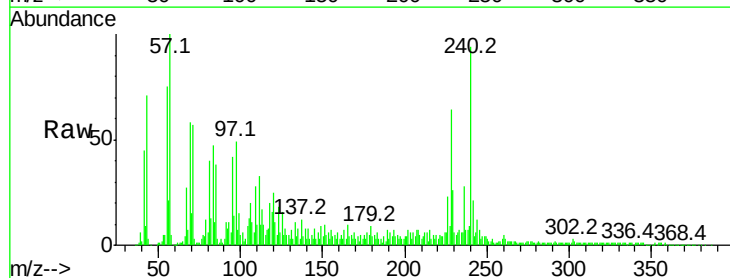
RT: 13.95 min Scan# 1055

Delta R.T. 0.03 min

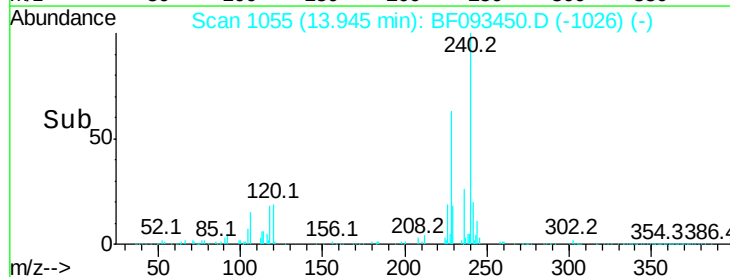
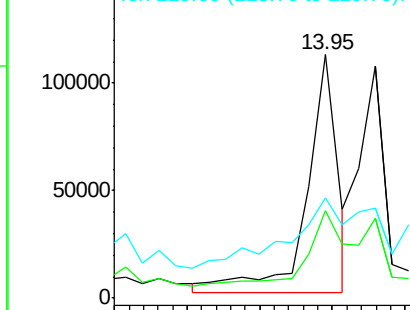
Lab File: BF093450.D

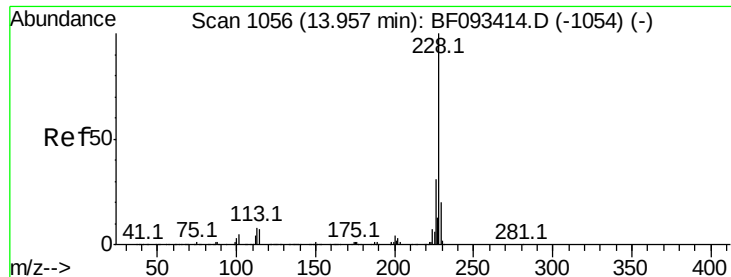
Acq: 9 Mar 2017 1:13

Tgt Ion:	228	Resp:	164122
Ion Ratio	Lower	Upper	
228	100		
226	36.0	22.4	33.6#
229	40.9	16.2	24.4#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.29 ng/mL

RT: 13.98 min Scan# 1058

Delta R.T. 0.02 min

Lab File: BF093450.D

Acq: 9 Mar 2017 1:13

Instrument :

BNA_F

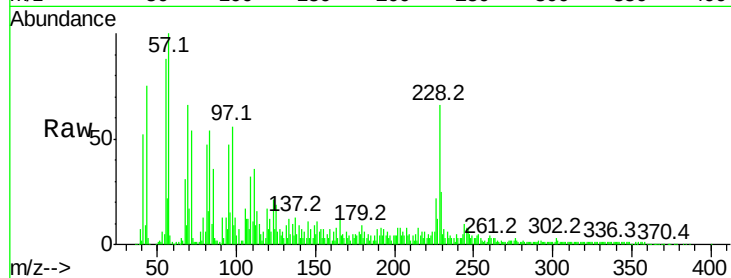
ClientSampleId :

HY-SB422B

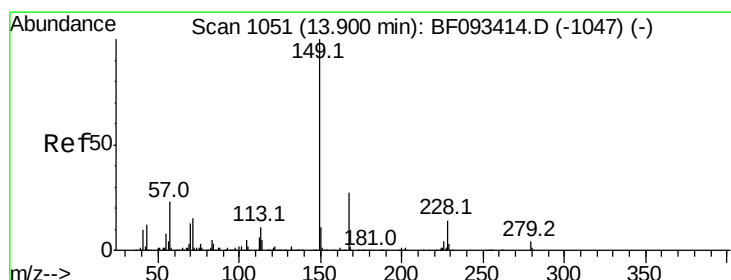
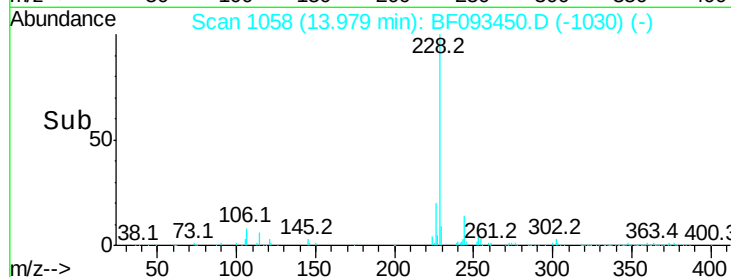
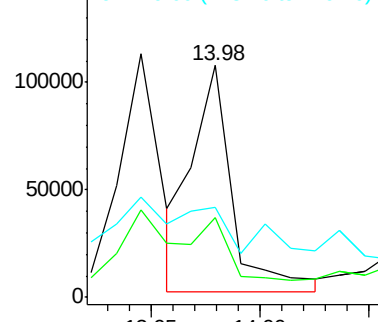
Tot Ion:	228	Resp:	136899
Ion Ratio	Lower	Upper	
228	100		
226	34.2	25.4	38.0
229	38.6	16.2	24.2

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.13 ng/mL

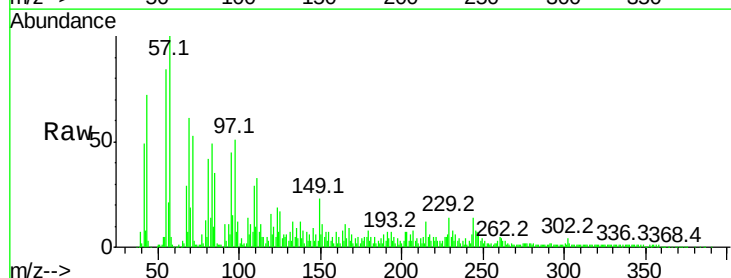
RT: 13.91 min Scan# 1052

Delta R.T. 0.01 min

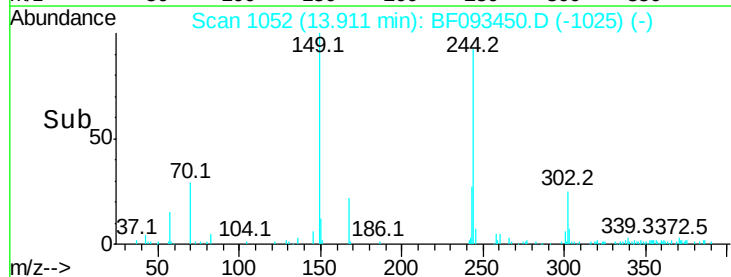
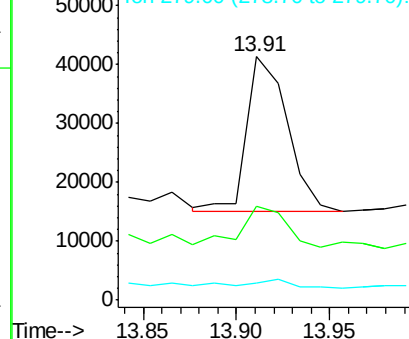
Lab File: BF093450.D

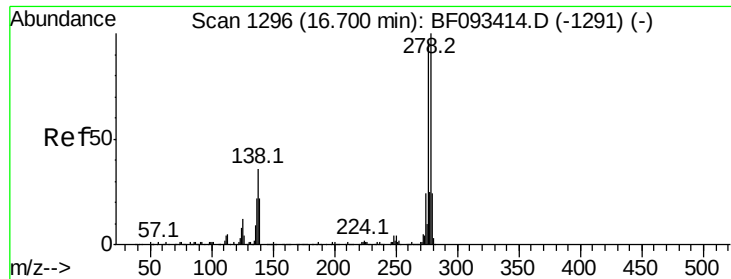
Acq: 9 Mar 2017 1:13

Tgt Ion:	149	Resp:	40314
Ion Ratio	Lower	Upper	
149	100		
167	38.4	20.2	30.4
279	6.7	1.8	2.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.43 ng

RT: 16.76 min Scan# 1301

Delta R.T. 0.06 min

Lab File: BF093450.D

Acq: 9 Mar 2017 1:13

Instrument :

BNA_F

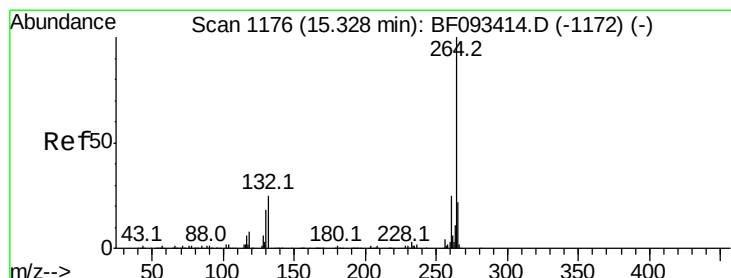
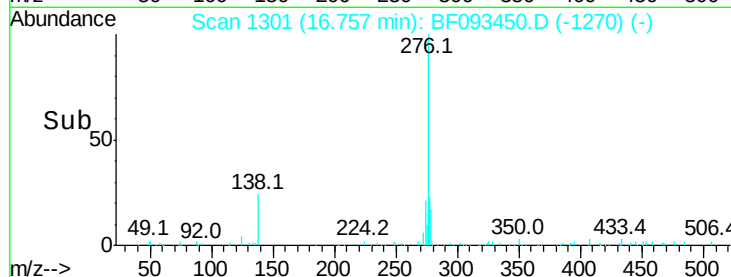
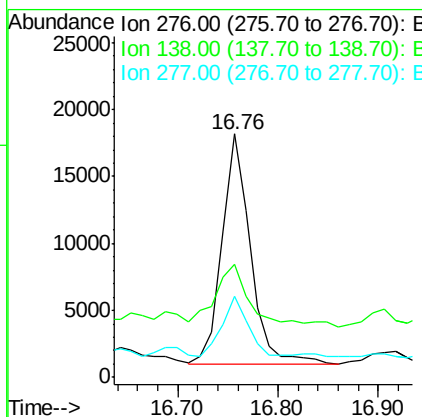
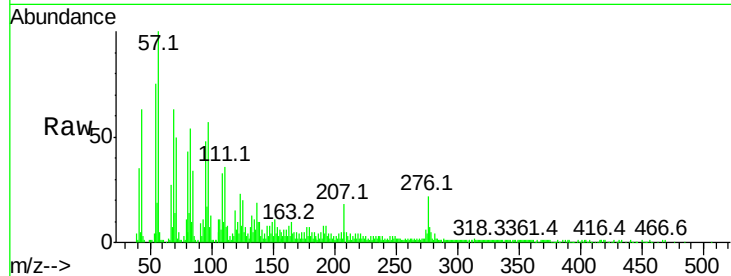
ClientSampleId :

HY-SB422B

Tot Ion:	276	Resp:	33511
Ion Ratio	Lower	Upper	
276	100		
138	35.8	21.8	32.6#
277	25.4	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

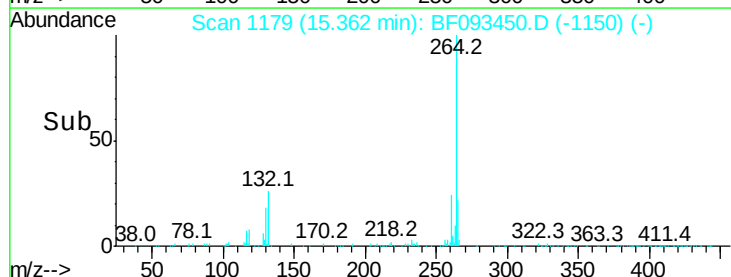
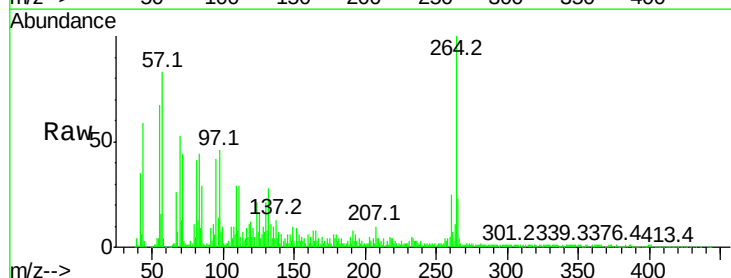
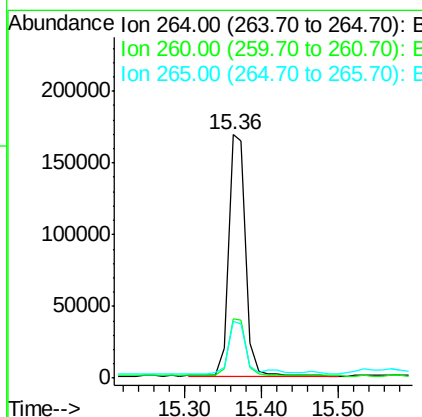
RT: 15.36 min Scan# 1179

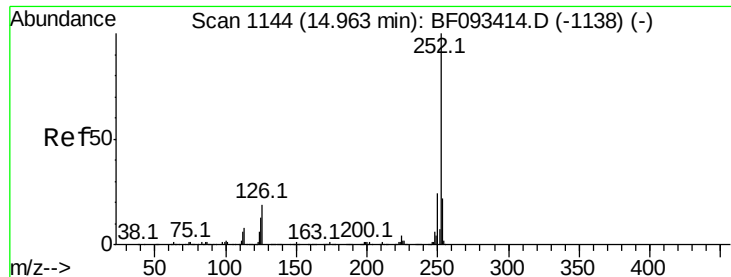
Delta R.T. 0.03 min

Lab File: BF093450.D

Acq: 9 Mar 2017 1:13

Tgt Ion:	264	Resp:	263436
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	23.3	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 5.44 ng m

RT: 14.96 min Scan# 1144

Delta R.T. 0.02 min

Lab File: BF093450.D

Acq: 9 Mar 2017 1:13

Instrument :

BNA_F

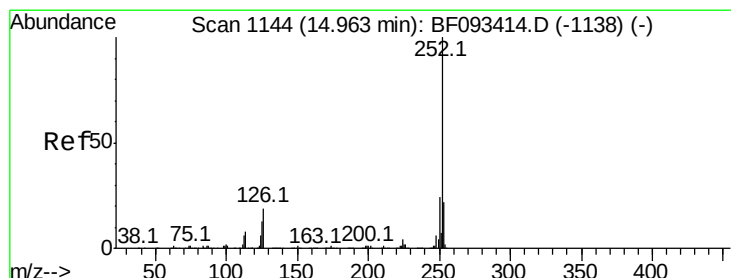
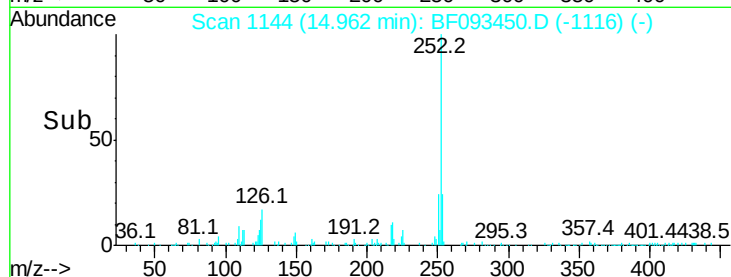
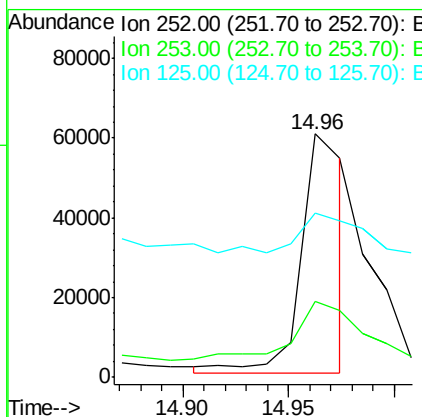
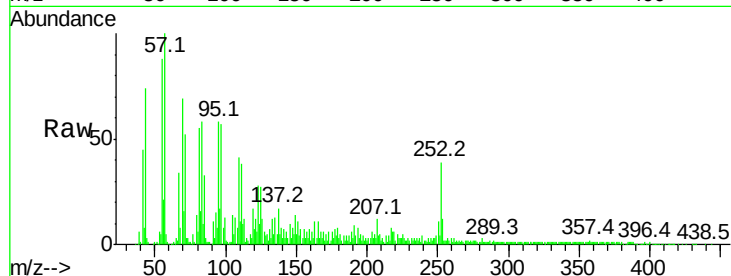
ClientSampleId :

HY-SB422B

Tot Ion:	252	Resp:	87340
Ion Ratio	Lower	Upper	
252	100		
253	31.3	18.2	27.4#
125	67.6	9.8	14.6#

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#88

Benzo(k)fluoranthene

Concen: 2.68 ng m

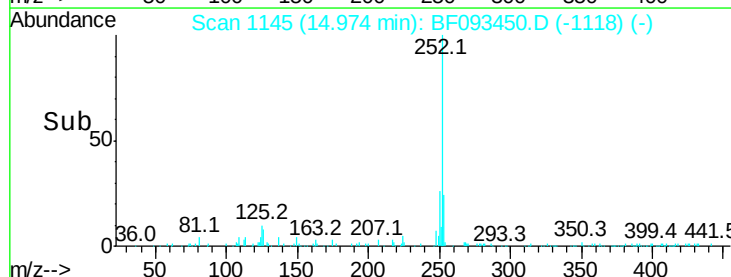
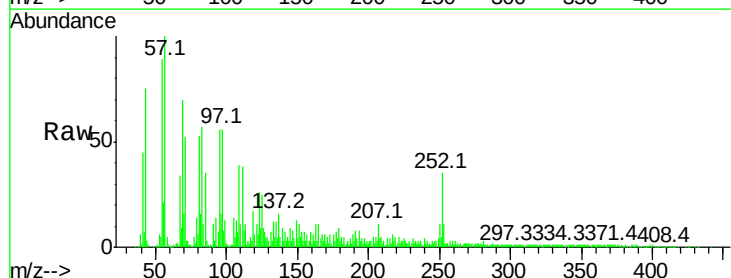
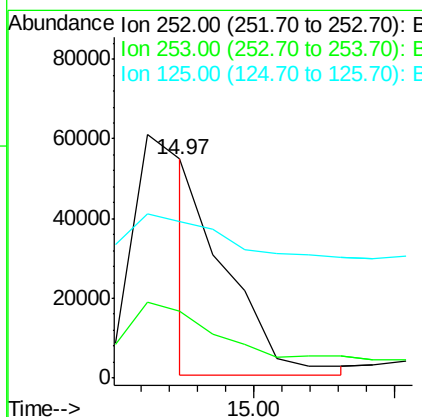
RT: 14.97 min Scan# 1145

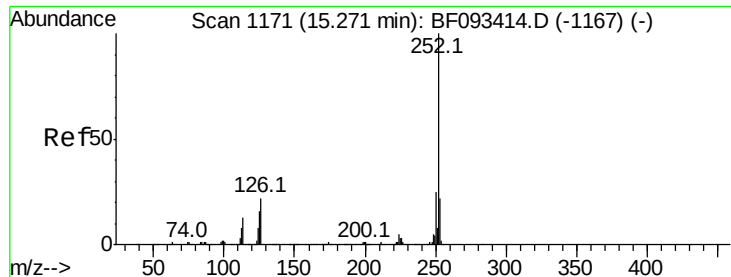
Delta R.T. 0.01 min

Lab File: BF093450.D

Acq: 9 Mar 2017 1:13

Tgt Ion:	252	Resp:	41487
Ion Ratio	Lower	Upper	
252	100		
253	30.6	18.5	27.7#
125	71.6	8.9	13.3#





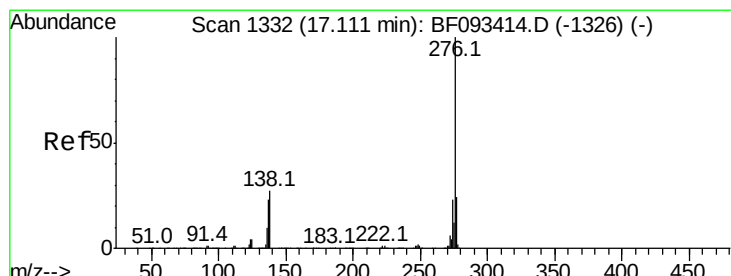
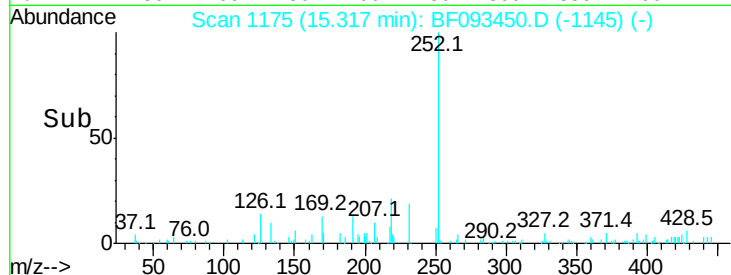
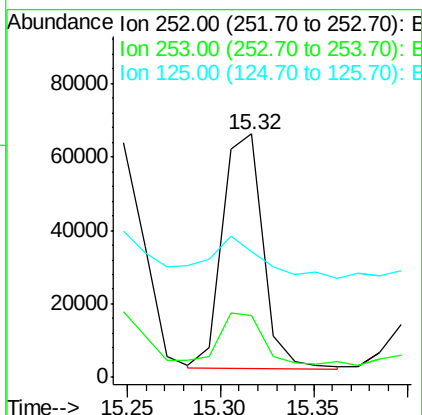
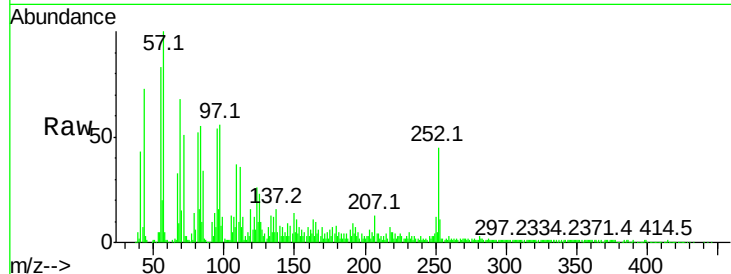
#89
Benzo(a)pyrene
Concen: 6.59 ng
RT: 15.32 min Scan# 1175
Delta R.T. 0.05 min
Lab File: BF093450.D
Acq: 9 Mar 2017 1:13

Instrument :
BNA_F
ClientSampleId :
HY-SB422B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.2	27.2
125	51.9	10.0	15.0#

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#91
Benzo(g,h,i)perylene
Concen: 3.89 ng
RT: 17.18 min Scan# 1338
Delta R.T. 0.07 min
Lab File: BF093450.D
Acq: 9 Mar 2017 1:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.8	19.2	28.8#
138	38.0	16.0	24.0#

