

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093351.D
 Acq On : 3 Mar 2017 9:43
 Operator : SJ/MA
 Sample : I2057-11
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 30B-4

Manual Integrations
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Quant Time: Mar 03 12:27:08 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	153420	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	634257	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	299880	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	562627	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	522928	20.00	ng	-0.05
86) Perylene-d12	15.39	264	372896	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	880403	98.45	ng	-0.07
7) Phenol-d6	6.44	99	1232637	107.13	ng	-0.05
23) Nitrobenzene-d5	7.37	82	796732	69.95	ng	-0.06
41) 2,4,6-Tribromophenol	10.65	330	245044	112.98	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	1282589	77.49	ng	-0.05
78) Terphenyl-d14	12.92	244	1147007	51.54	ng	-0.05
Target Compounds						
10) Phenol	6.45	94	60355	4.48	ng	Qvalue # 76
49) Dimethylphthalate	9.57	163	172911	8.56	ng	100
70) Phenanthrene	11.36	178	176306	5.47	ng	98
74) Fluoranthene	12.55	202	378140	11.37	ng	97
77) Pyrene	12.77	202	317998	8.13	ng	100
80) Benzo(a)anthracene	13.96	228	167063m	5.22	ng	
82) Chrysene	14.00	228	151362m	5.05	ng	
85) Indeno(1,2,3-cd)pyrene	16.79	276	48918	2.11	ng	95
87) Benzo(b)fluoranthene	14.99	252	148012m	6.03	ng	
88) Benzo(k)fluoranthene	15.00	252	56672m	2.67	ng	
89) Benzo(a)pyrene	15.33	252	96674	4.55	ng	97
91) Benzo(a,h,i)perylene	17.21	276	41508	2.39	ng	# 89

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

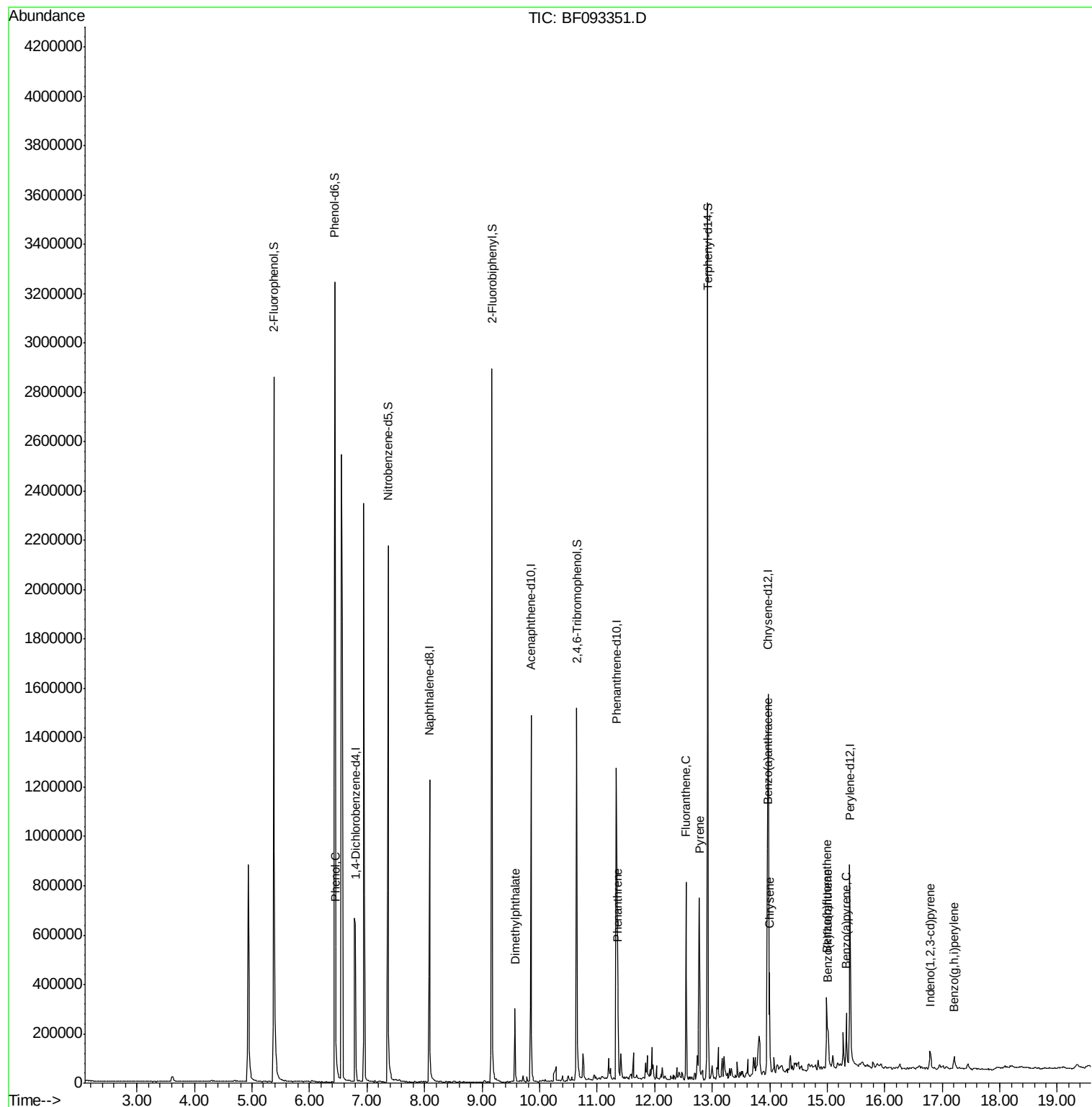
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093351.D
Acq On : 3 Mar 2017 9:43
Operator : SJ/MA
Sample : I2057-11
Misc :
ALS Vial : 33 Sample Multiplier: 1

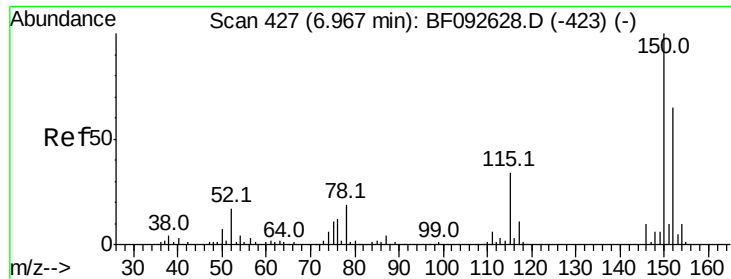
Instrument :
BNA_F
ClientSampleId :
30B-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

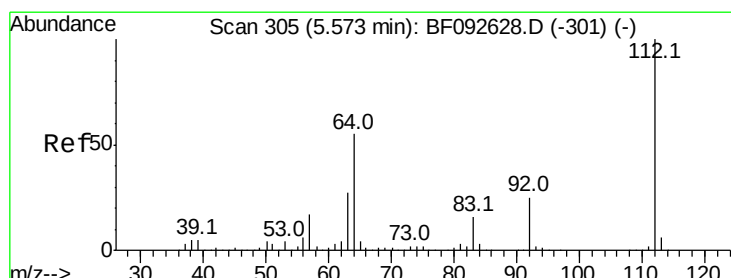
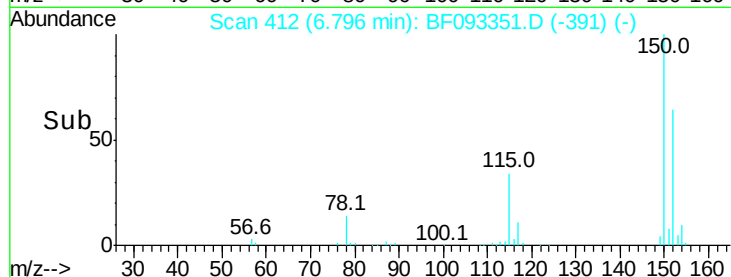
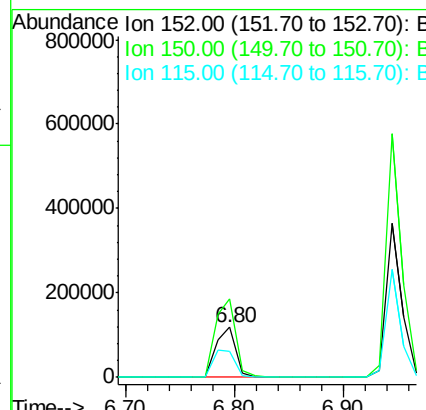
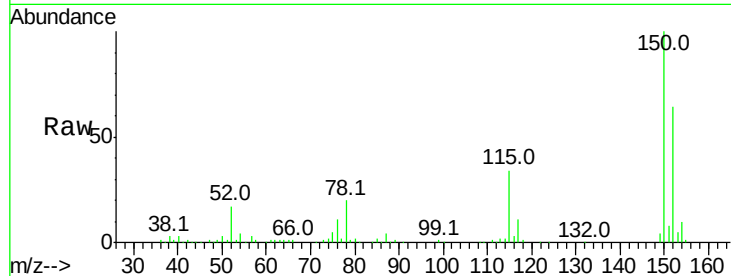
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.06 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Instrument :
BNA_F
ClientSampleId :
30B-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.9	187.3
115	53.0	46.0	69.0

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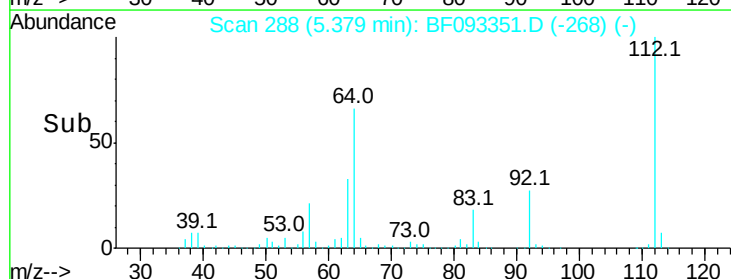
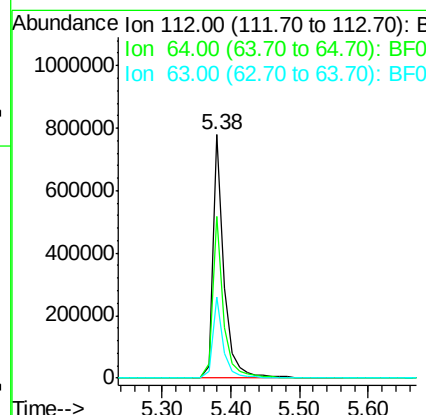
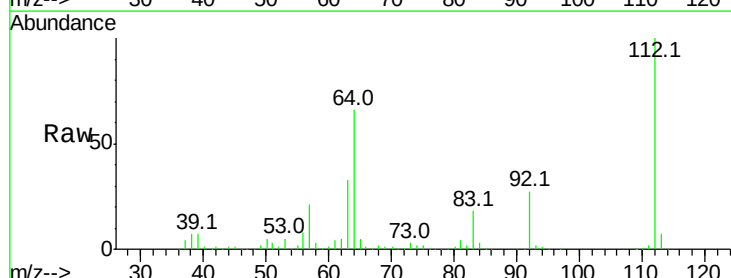
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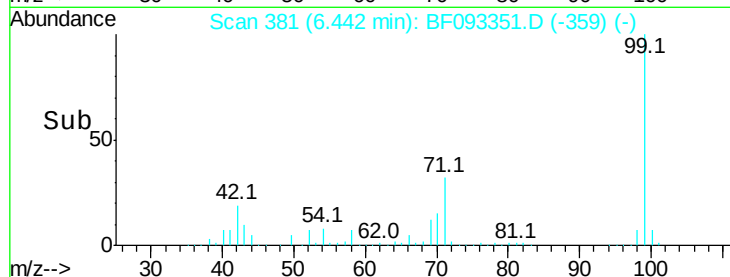
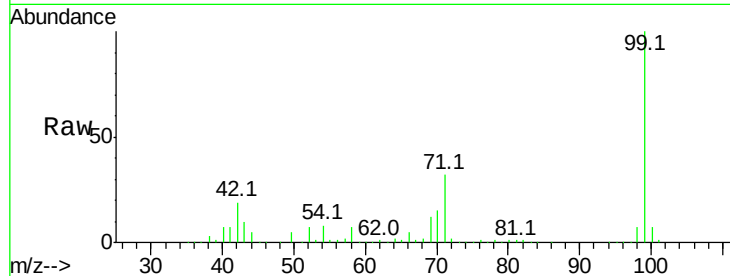
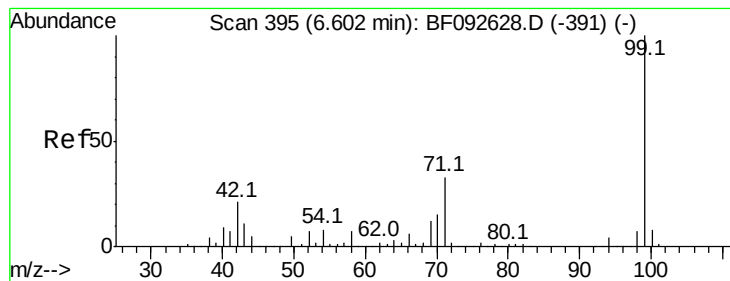


#5

2-Fluorophenol
Concen: 98.45 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.07 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	46.1	69.1
63	33.5	23.8	35.6





#7

Phenol-d6

Concen: 107.13 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.05 min

Lab File: BF093351.D

Acq: 3 Mar 2017 9:43

Tot Ion: 99 Resp: 1232637

Ion Ratio Lower Upper

99 100

42 19.3 15.6 23.4

71 31.5 27.5 41.3

Instrument :

BNA_F

ClientSampled :

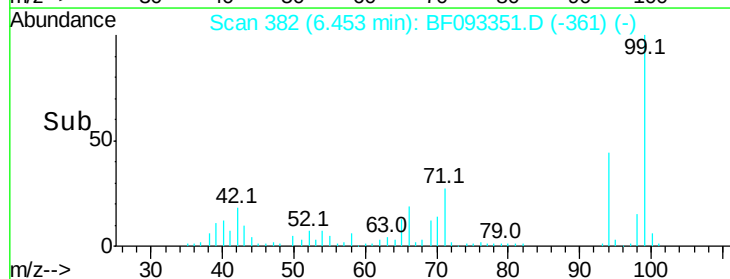
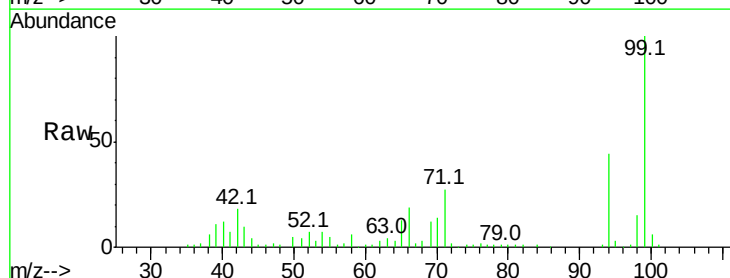
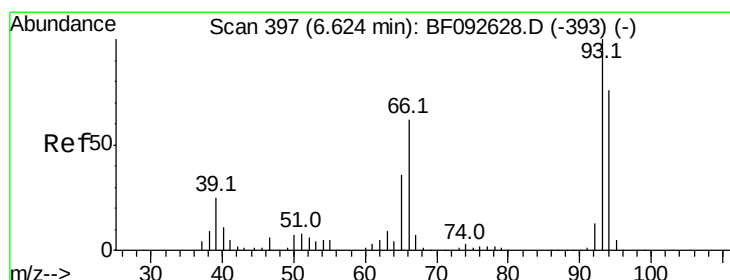
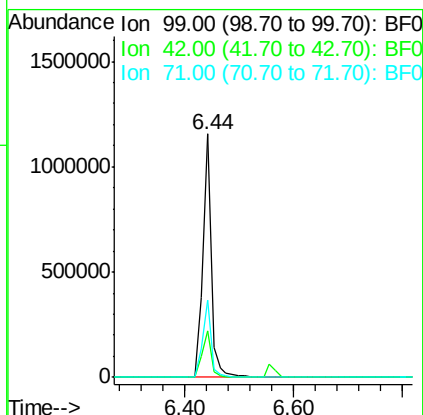
30B-4

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#10

Phenol

Concen: 4.48 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.06 min

Lab File: BF093351.D

Acq: 3 Mar 2017 9:43

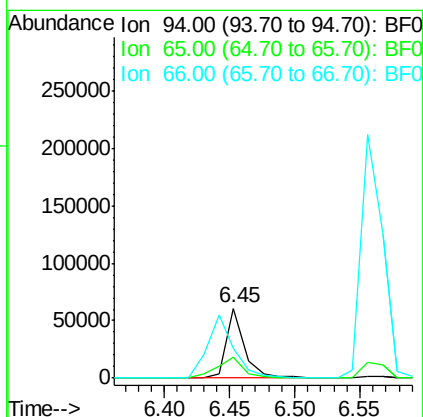
Tgt Ion: 94 Resp: 60355

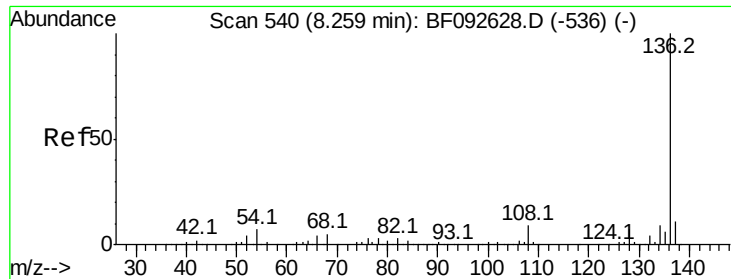
Ion Ratio Lower Upper

94 100

65 29.6 21.4 61.4

66 42.9 44.0 84.0#





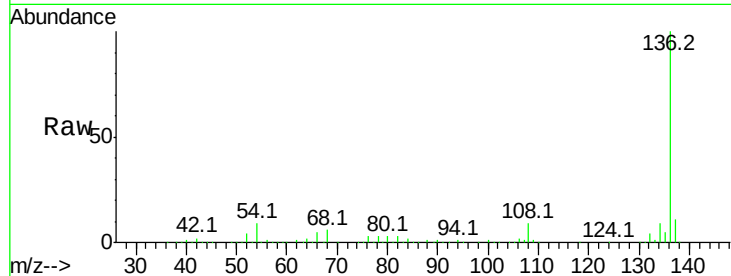
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Instrument :
BNA_F
ClientSampled :
30B-4

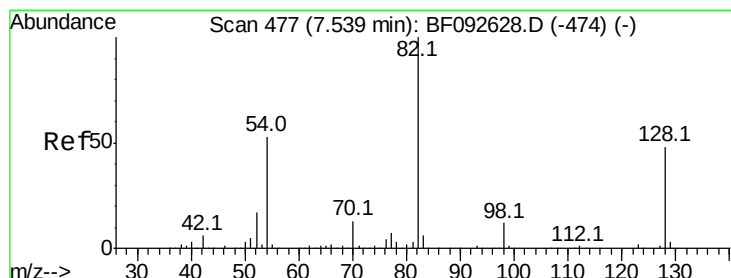
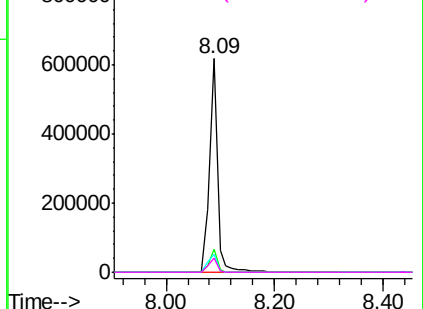
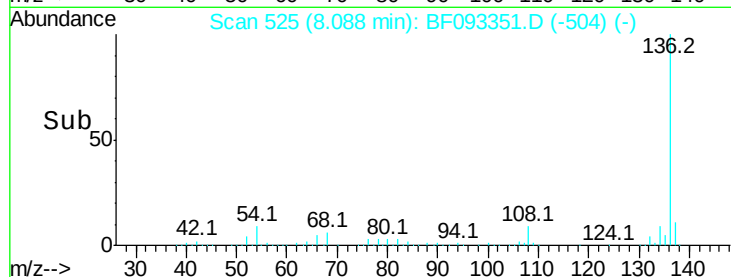
Tot Ion	Ratio	Resp	Lower	Upper
136	100	634257		
137	10.6		8.4	12.6
54	8.6		4.5	6.7#
68	6.4		3.6	5.4#

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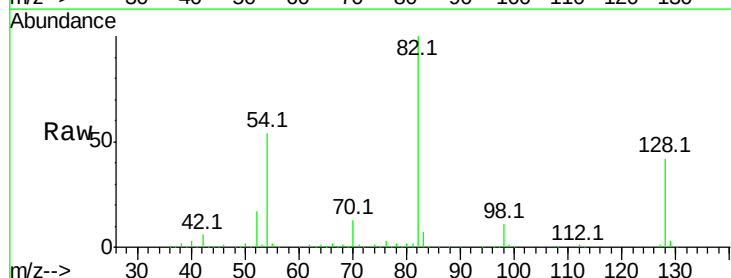


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

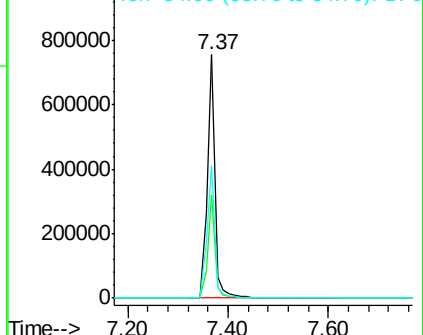
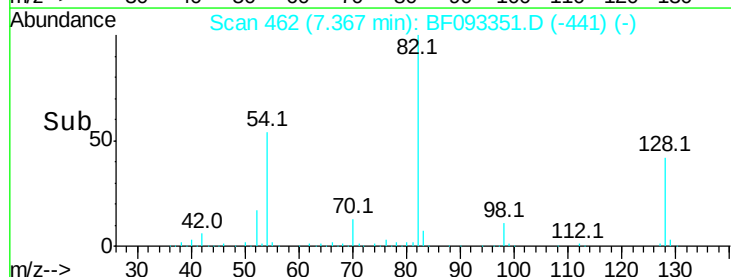


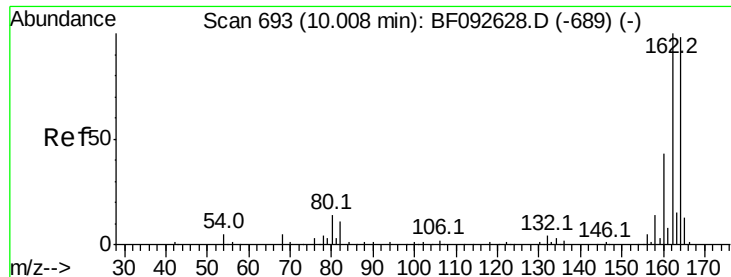
#23
Nitrobenzene-d5
Concen: 69.95 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.06 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	796732		
128	42.4		34.6	52.0
54	54.1		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





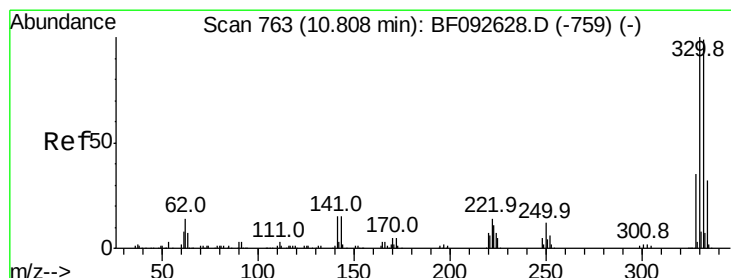
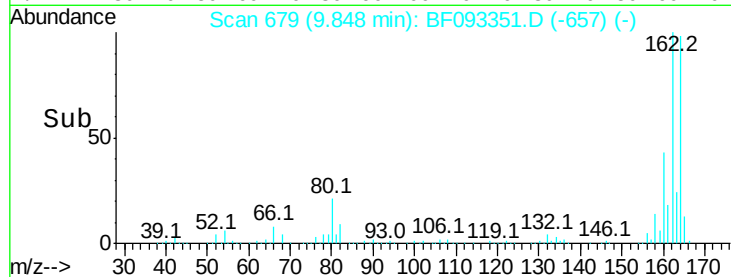
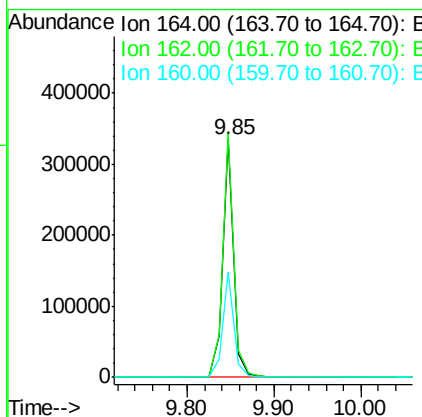
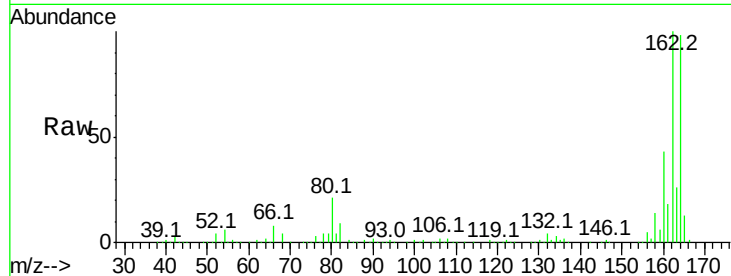
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Instrument :
BNA_F
ClientSampleId :
30B-4

Tot Ion	Ratio	Resp	Lower	Upper
164	100	299880		
162	102.4	80.2	120.2	
160	44.5	36.9	55.3	

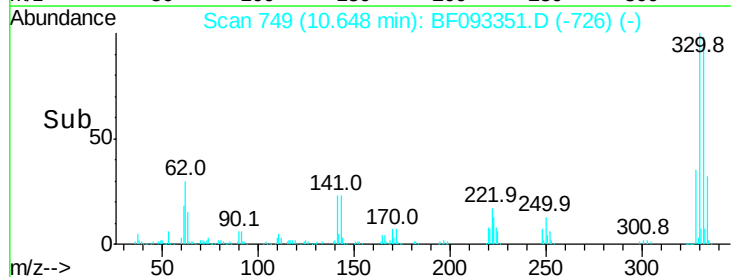
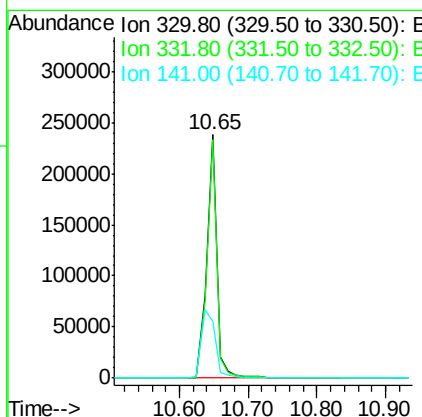
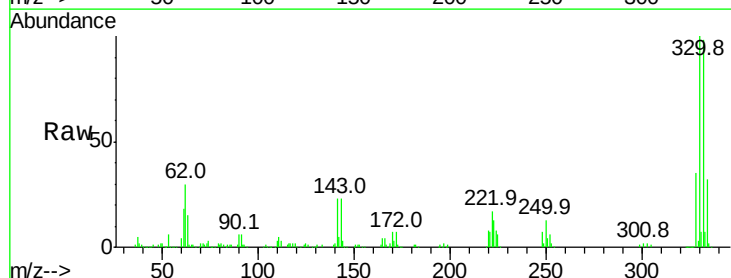
Manual Integrations
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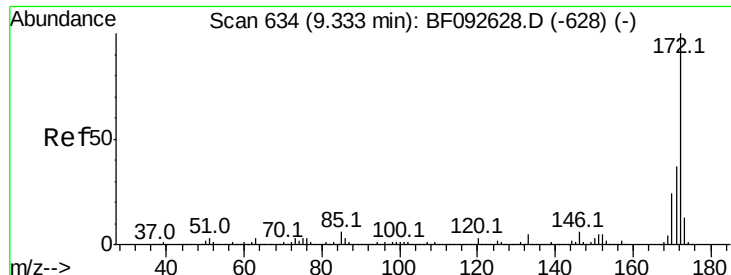
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#41
2,4,6-Tribromophenol
Concen: 112.98 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.03 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	245044		
332	96.8	77.4	116.2	
141	38.4	34.1	51.1	





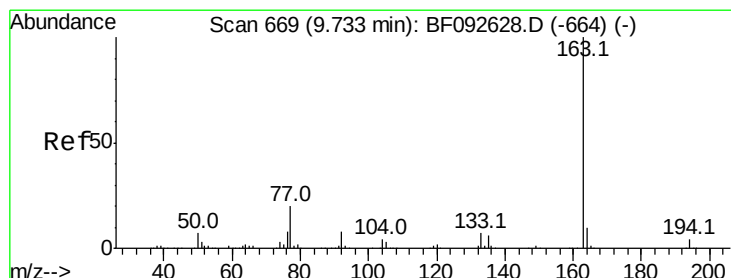
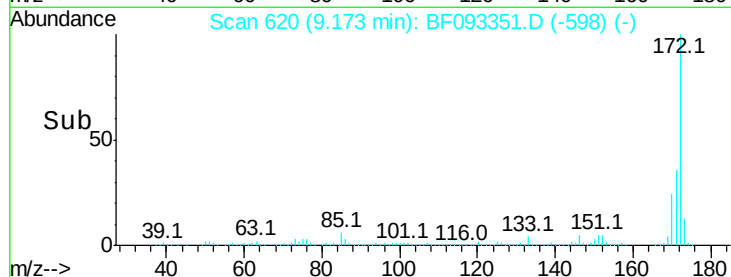
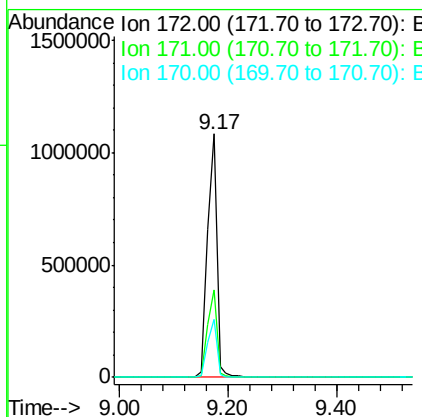
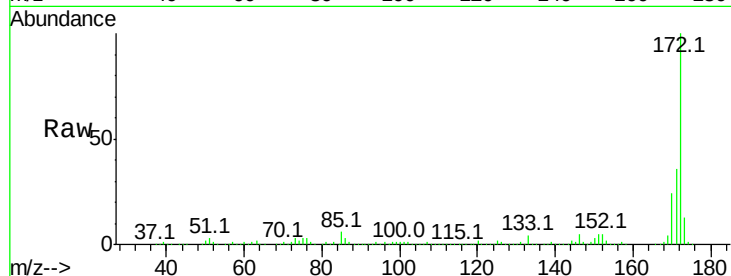
#44
 2-Fluorobiphenyl
 Concen: 77.49 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093351.D
 Acq: 3 Mar 2017 9:43

Instrument :
 BNA_F
 ClientSampled :
 30B-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	24.0	20.2	30.4

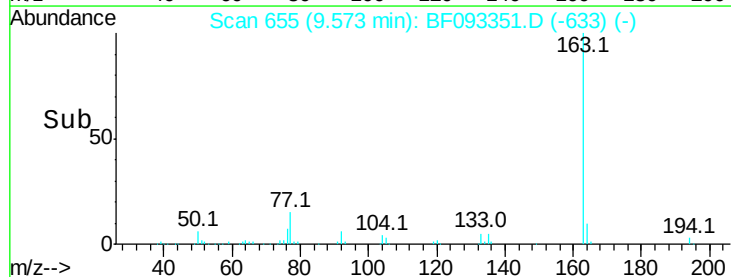
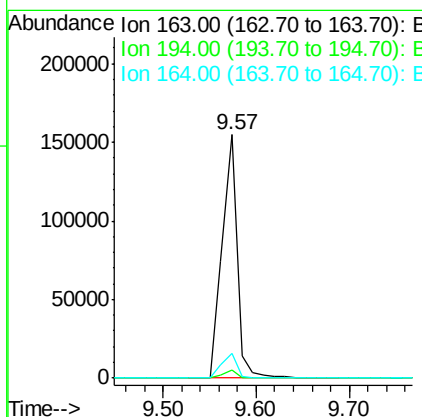
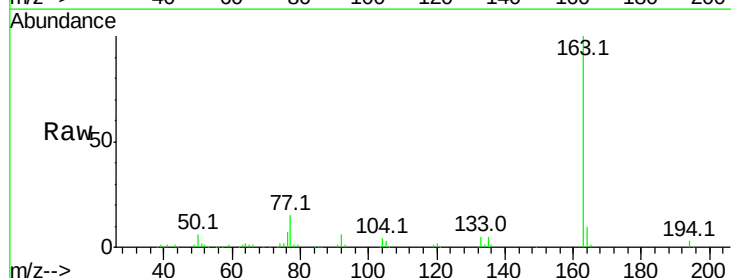
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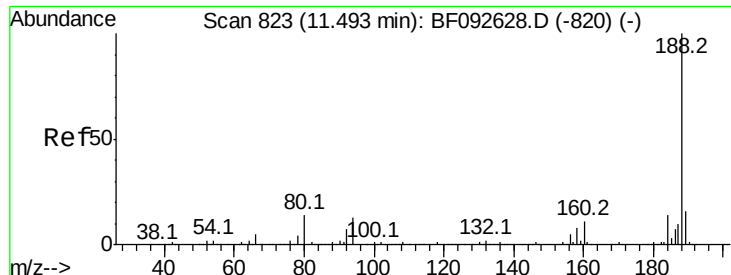
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#49
 Dimethylphthalate
 Concen: 8.56 ng
 RT: 9.57 min Scan# 655
 Delta R.T. -0.05 min
 Lab File: BF093351.D
 Acq: 3 Mar 2017 9:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	10.0	8.0	12.0





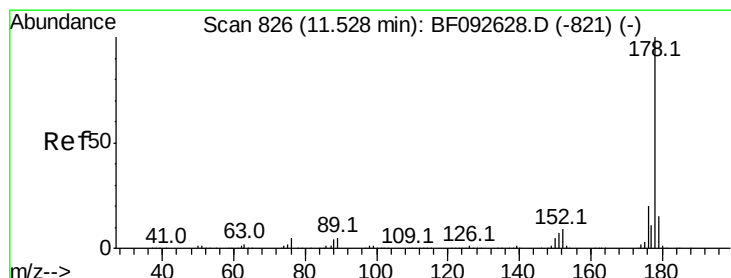
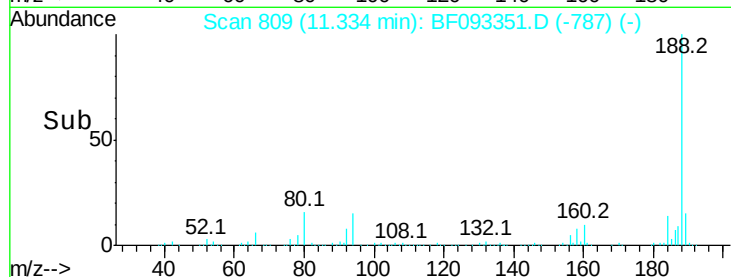
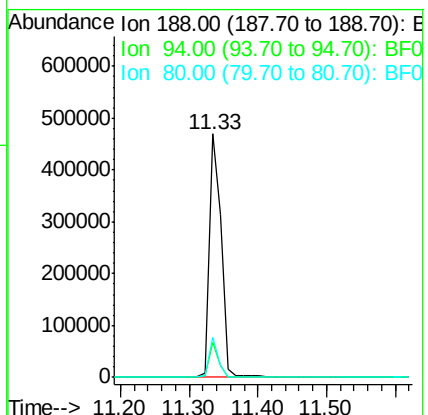
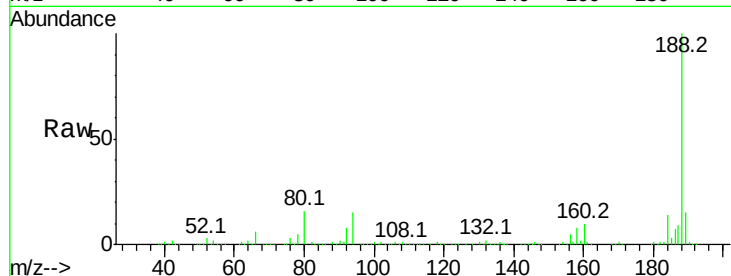
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Instrument :
BNA_F
ClientSampleId :
30B-4

Tot Ion	Ratio	Resp	Lower	Upper
188	100	562627		
94	14.6	10.0	15.0	
80	16.4	11.2	16.8	

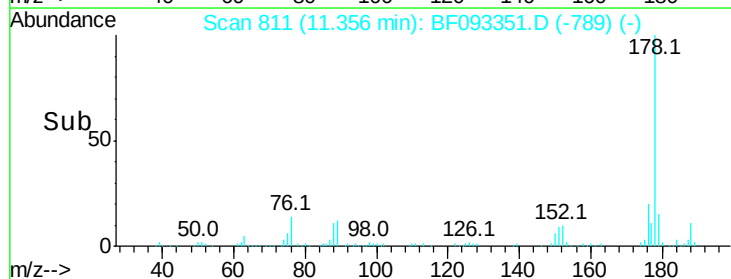
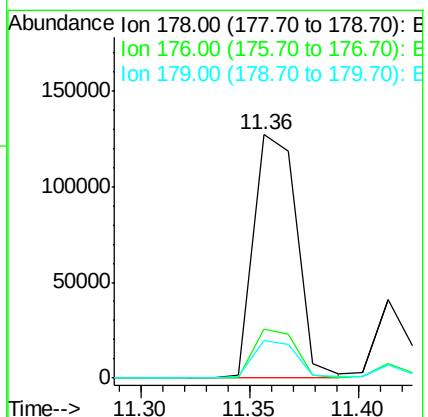
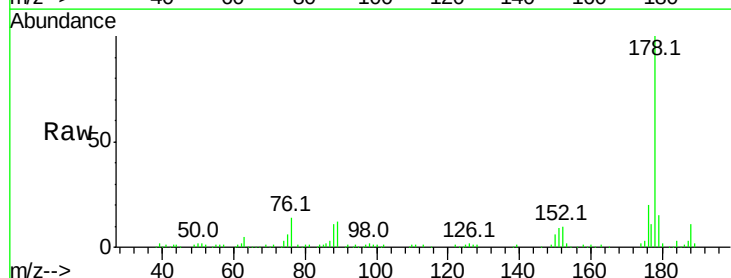
Manual Integrations
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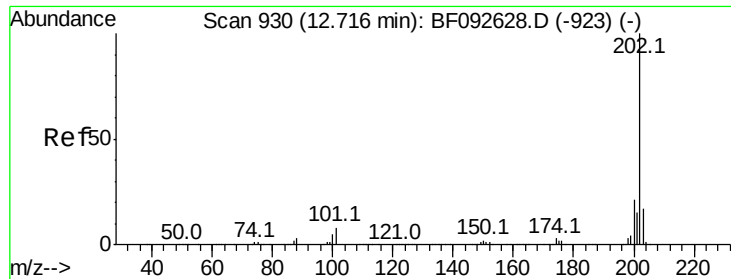
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#70
Phenanthrene
Concen: 5.47 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	176306		
176	20.0	16.6	25.0	
179	15.3	12.8	19.2	





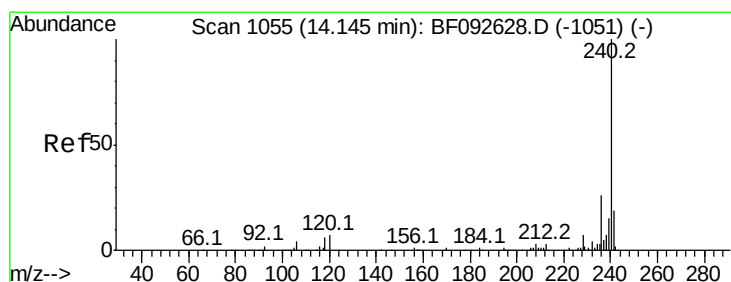
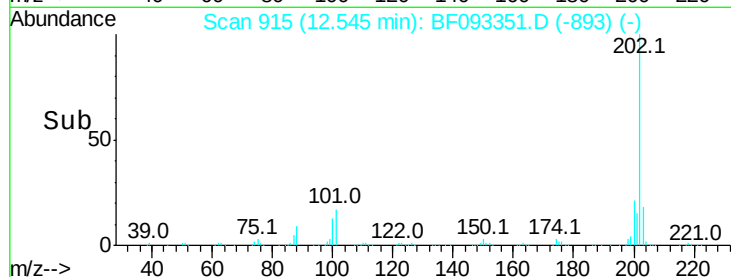
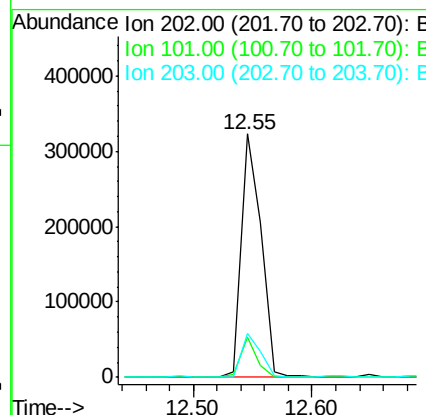
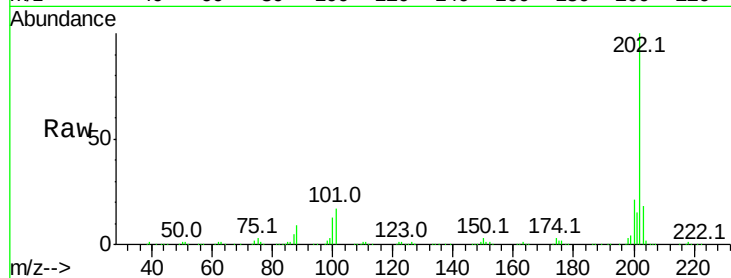
#74
 Fluoranthene
 Concen: 11.37 ng
 RT: 12.55 min Scan# 915
 Delta R.T. -0.05 min
 Lab File: BF093351.D
 Acq: 3 Mar 2017 9:43

Instrument :
 BNA_F
 ClientSampleId :
 30B-4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	16.5	0.0	34.6
203	17.8	0.0	38.7

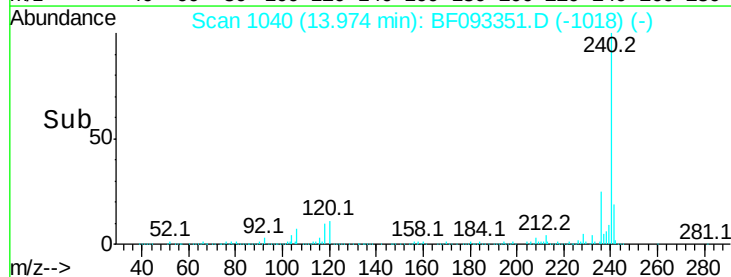
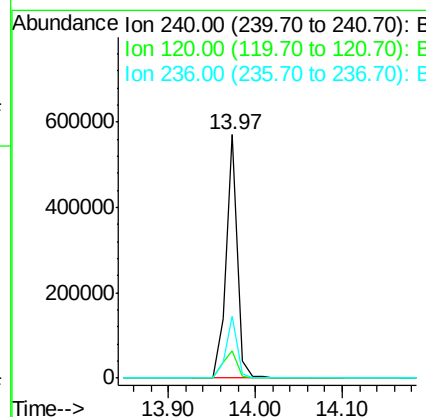
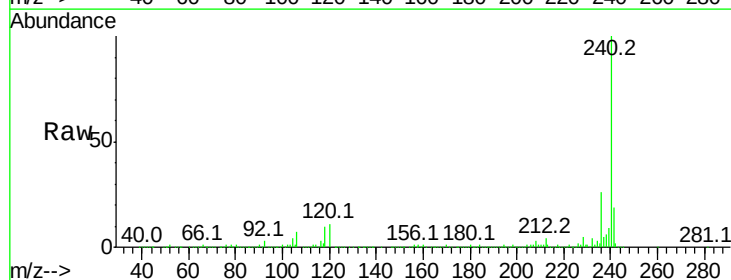
Manual Integrations
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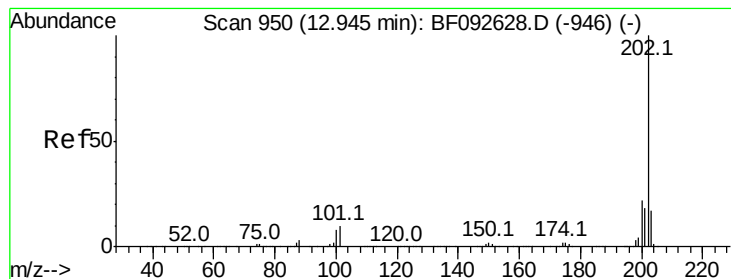
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.05 min
 Lab File: BF093351.D
 Acq: 3 Mar 2017 9:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.0	12.9	19.3#
236	25.5	20.9	31.3





#77

Pvrene

Concen: 8.13 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093351.D

Acq: 3 Mar 2017 9:43

Instrument :

BNA_F

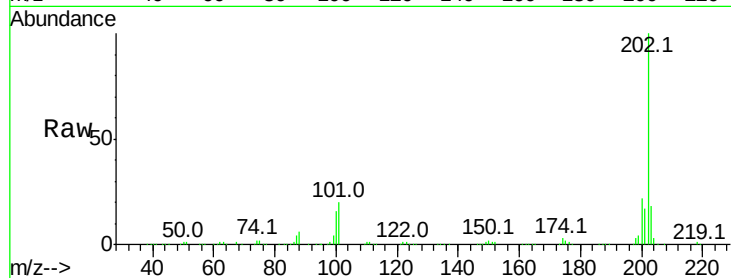
ClientSampleId :

30B-4

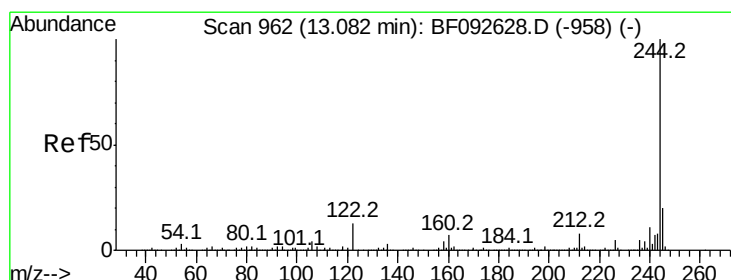
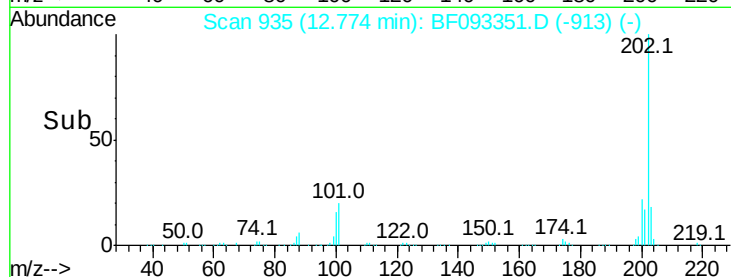
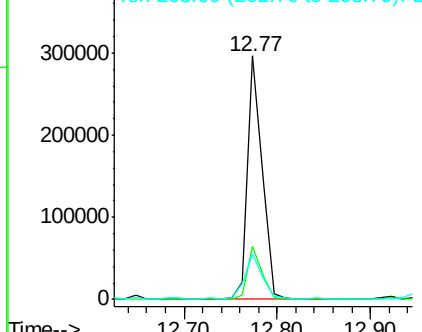
Tot Ion:	202	Resp:	317998
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.7	26.5
203	18.5	14.7	22.1

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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: 51.54 ng

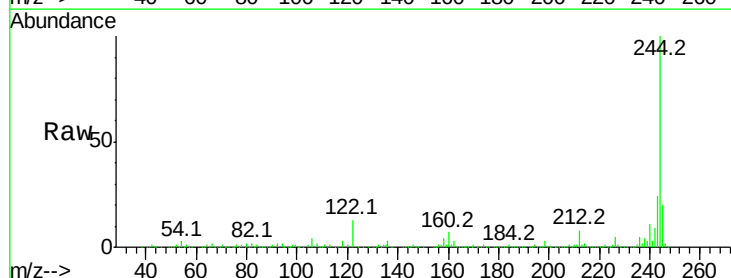
RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

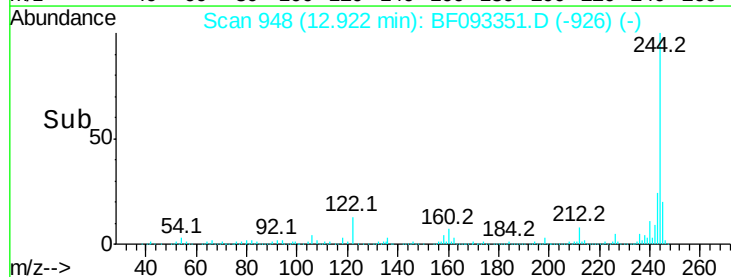
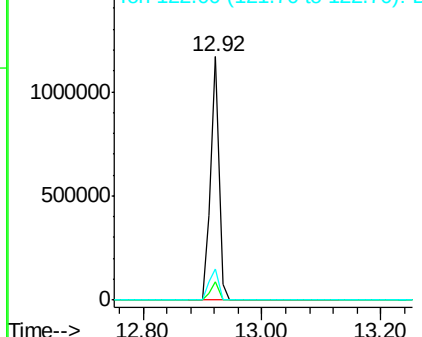
Lab File: BF093351.D

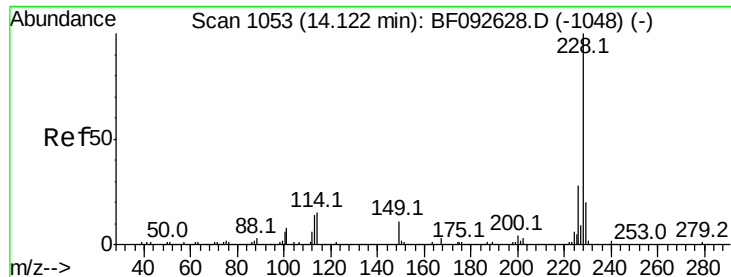
Acq: 3 Mar 2017 9:43

Tgt Ion:	244	Resp:	1147007
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	12.9	11.4	17.2



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: 5.22 ng m

RT: 13.96 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF093351.D

Acq: 3 Mar 2017 9:43

Instrument :

BNA_F

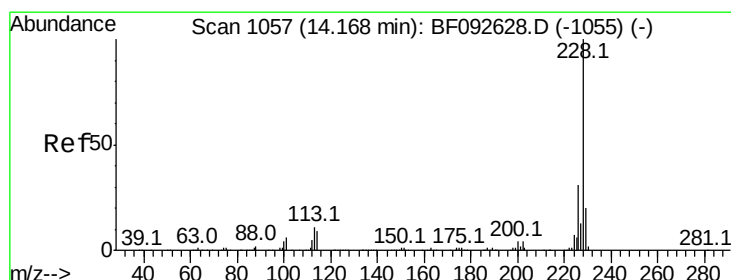
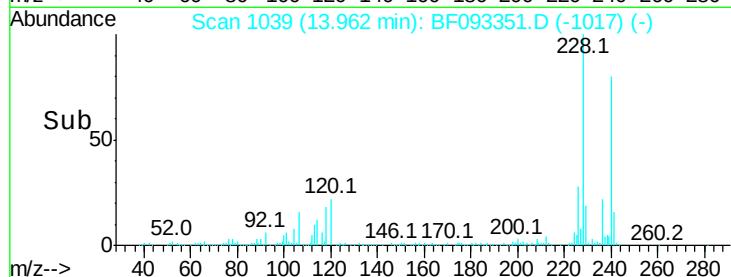
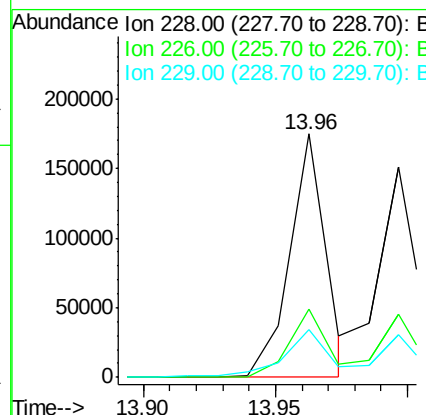
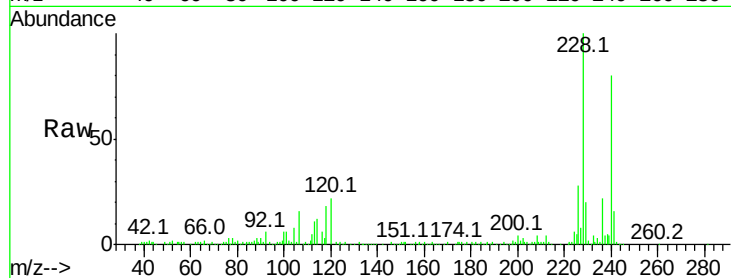
ClientSampled :

30B-4

Tot Ion:	228	Resp:	167063
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.4	33.6
229	19.8	16.2	24.4

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#82

Chrysene

Concen: 5.05 ng m

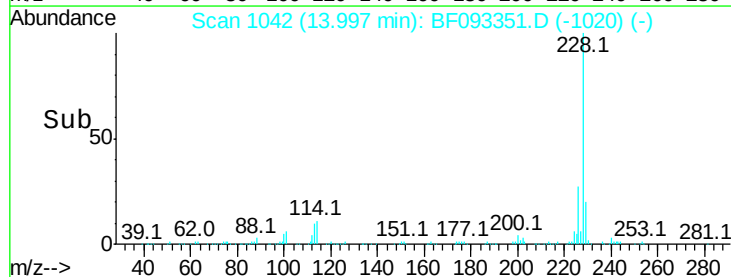
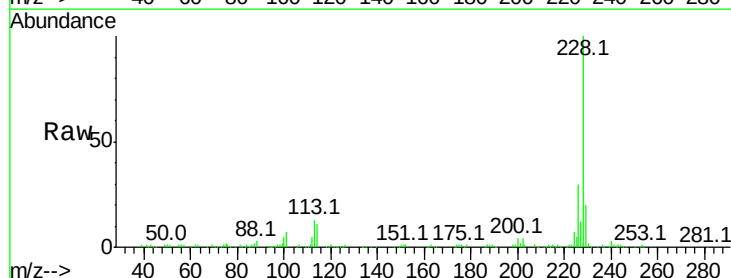
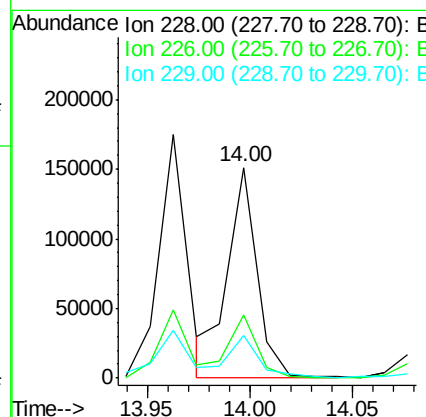
RT: 14.00 min Scan# 1042

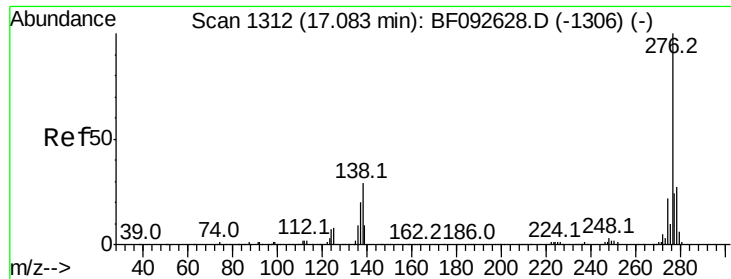
Delta R.T. -0.05 min

Lab File: BF093351.D

Acq: 3 Mar 2017 9:43

Tgt Ion:	228	Resp:	151362
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.4	38.0
229	20.2	16.2	24.2





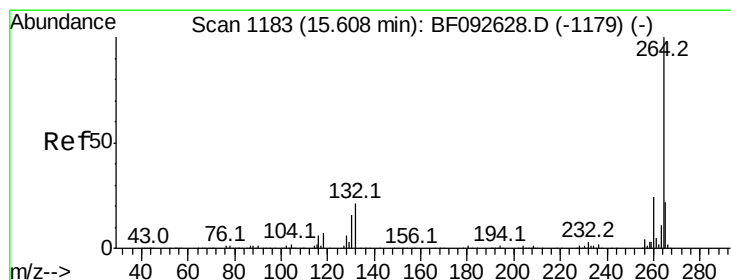
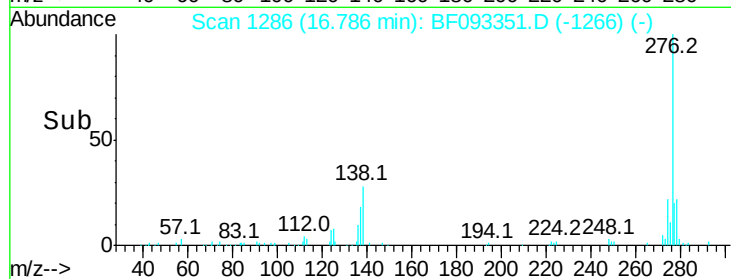
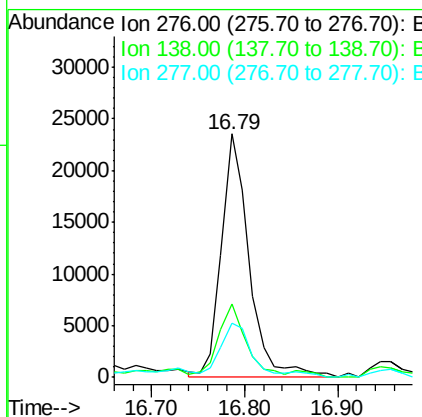
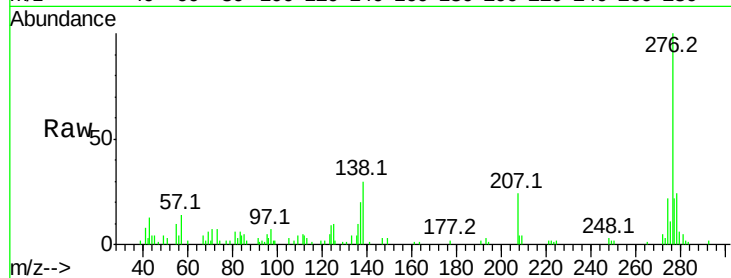
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.11 ng
RT: 16.79 min Scan# 1286
Delta R.T. -0.07 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Instrument :
BNA_F
ClientSampleId :
30B-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.8	32.6
277	20.7	20.2	30.4

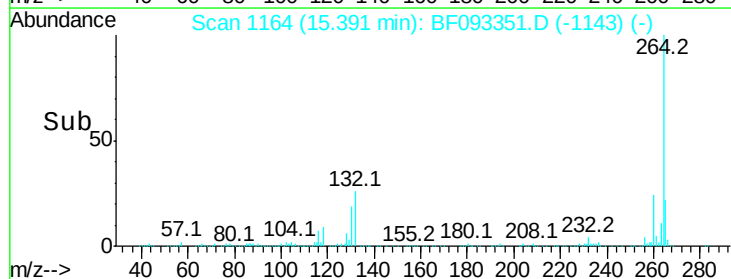
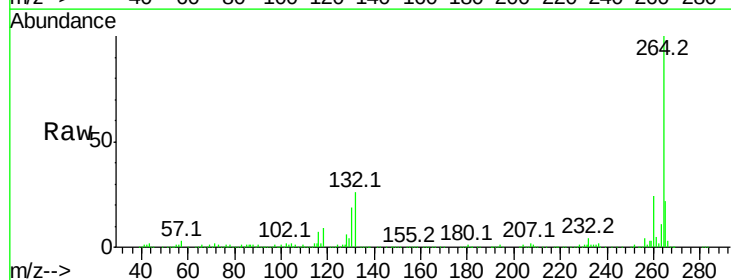
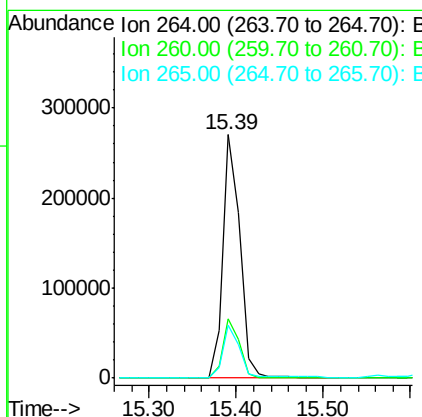
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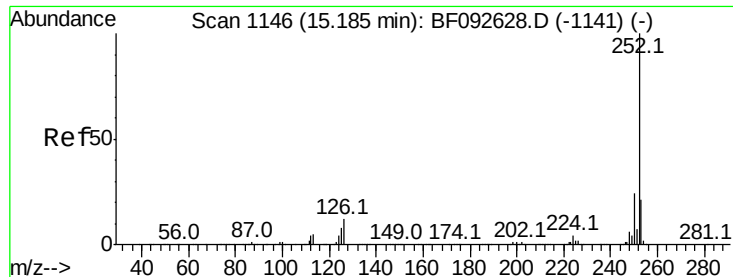
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	17.4	26.0





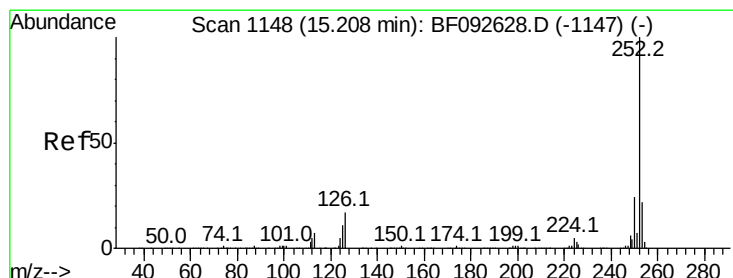
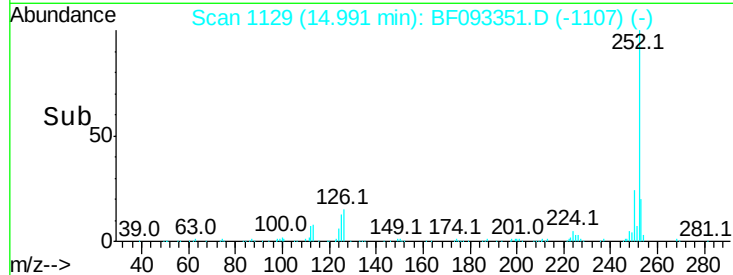
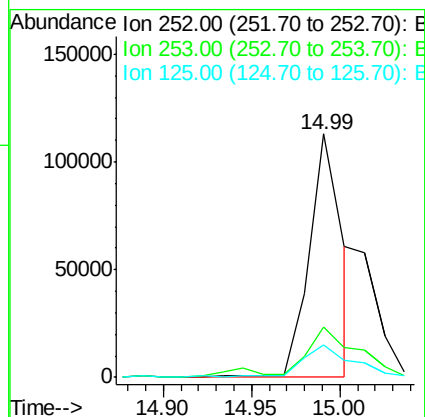
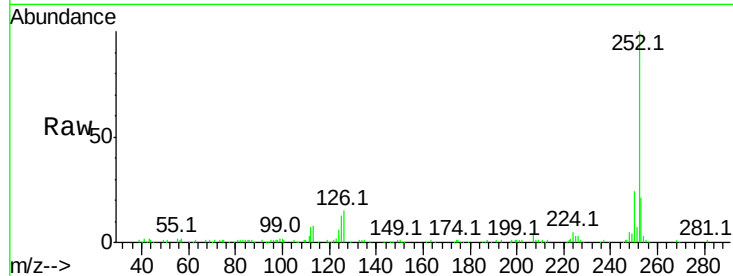
#87
Benzo(b)fluoranthene
Concen: 6.03 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Instrument :
BNA_F
ClientSampled :
30B-4

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	20.7	18.2	27.4
125	13.2	9.8	14.6

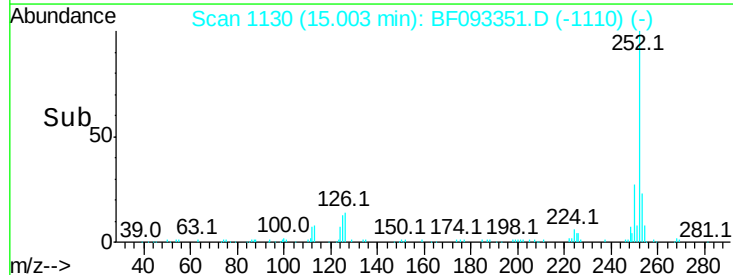
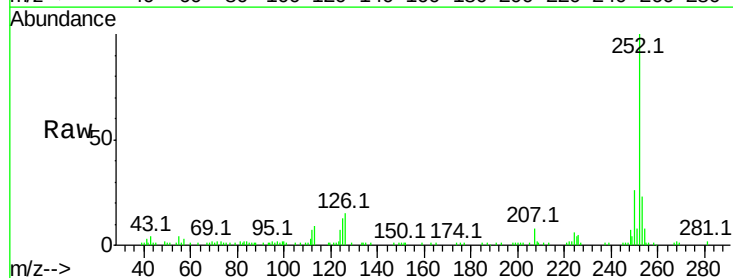
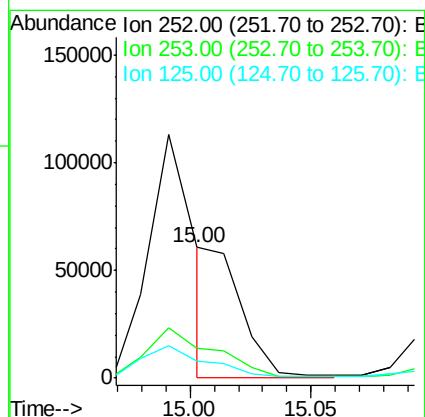
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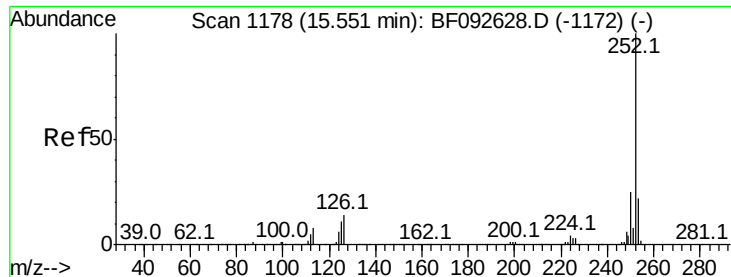
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#88
Benzo(k)fluoranthene
Concen: 2.67 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	18.5	27.7
125	13.4	8.9	13.3#





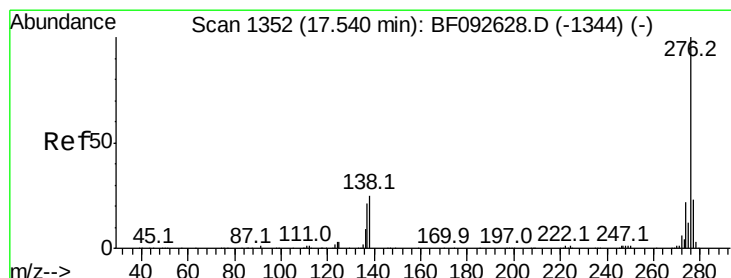
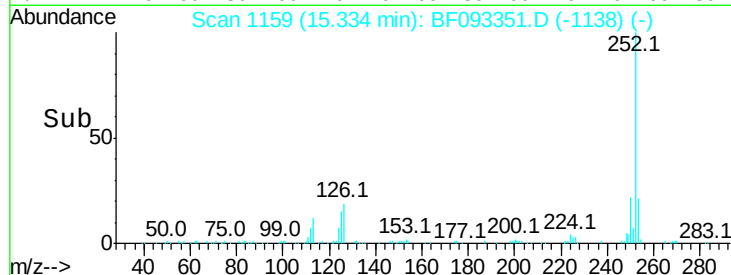
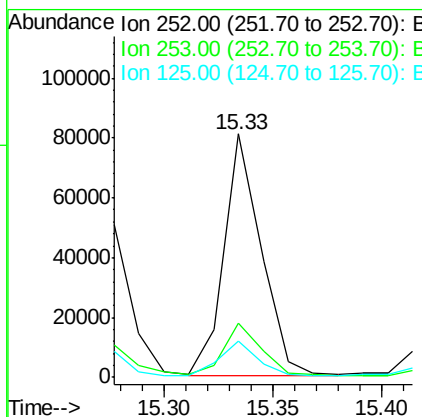
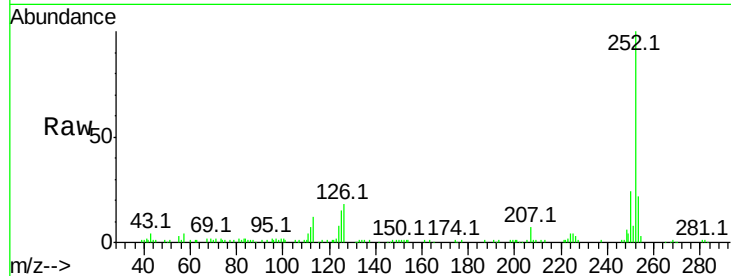
#89
Benzo(a)pyrene
Concen: 4.55 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.06 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Instrument :
BNA_F
ClientSampled :
30B-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	15.0	10.0	15.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.39 ng
RT: 17.21 min Scan# 1323
Delta R.T. -0.08 min
Lab File: BF093351.D
Acq: 3 Mar 2017 9:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.2	28.8
138	27.8	16.0	24.0

