

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093926.D
 Acq On : 25 Mar 2017 00:19
 Operator : SJ/MA
 Sample : I2367-13 4X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R13-SSW

Quant Time: Mar 25 00:52:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	168659	20.00	ng	-0.03
21) Naphthalene-d8	7.46	136	656611	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	274171	20.00	ng	-0.04
63) Phenanthrene-d10	11.43	188	410385	20.00	ng	-0.03
75) Chrysene-d12	14.69	240	300493	20.00	ng	-0.03
86) Perylene-d12	16.32	264	257882	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	4.48	112	308852	30.93	ng	-0.02
7) Phenol-d6	5.55	99	391868	31.72	ng	-0.02
23) Nitrobenzene-d5	6.60	82	231676	20.14	ng	-0.04
41) 2,4,6-Tribromophenol	10.57	330	62717	28.95	ng	-0.04
44) 2-Fluorobiphenyl	8.78	172	384917	21.41	ng	-0.04
78) Terphenyl-d14	13.40	244	186037	13.88	ng	-0.04

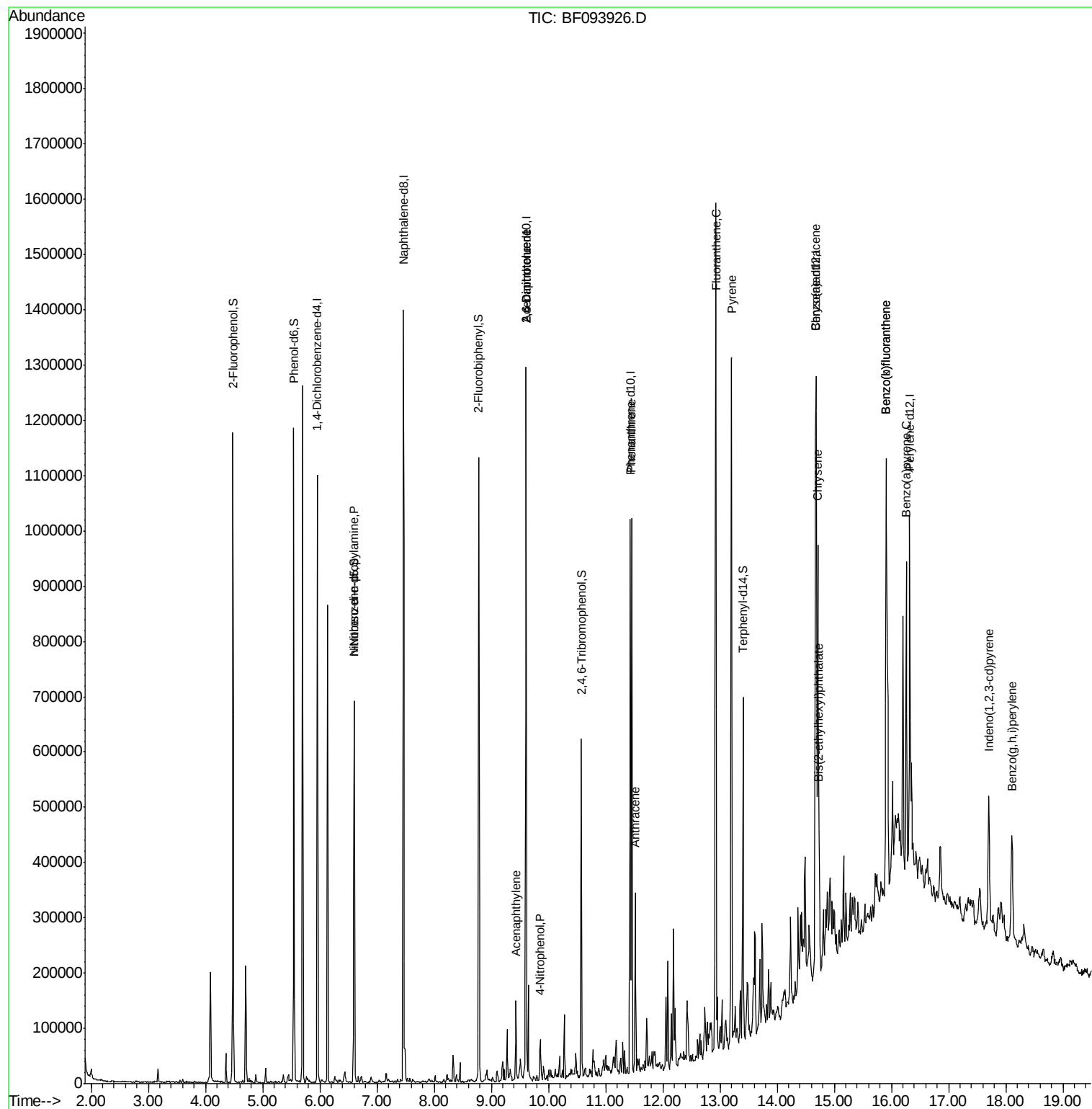
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.60	70	29707	3.74	ng	# 83
48) Acenaphthylene	9.43	152	68097	2.37	ng	98
50) 2,6-Dinitrotoluene	9.60	165	35879	8.03	ng	# 34
55) 4-Nitrophenol	9.86	139	9412	2.29	ng	# 28
56) 2,4-Dinitrotoluene	9.60	165	35880	6.39	ng	# 33
70) Phenanthrene	11.46	178	413483	18.11	ng	98
71) Anthracene	11.52	178	128957	5.49	ng	97
74) Fluoranthene	12.93	202	672325	28.76	ng	98
77) Pyrene	13.20	202	566531	25.98	ng	99
80) Benzo(a)anthracene	14.67	228	333536	19.03	ng	98
82) Chrysene	14.72	228	322726	19.85	ng	97
83) Bis(2-ethylhexyl)phthalate	14.73	149	73679	5.81	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.70	276	152531	10.83	ng	95
87) Benzo(b)fluoranthene	15.91	252	574342	36.33	ng	# 97
88) Benzo(k)fluoranthene	15.91	252	574342	37.13	ng	98
89) Benzo(a)pyrene	16.26	252	256686	17.63	ng	98
91) Benzo(a,h,i)perylene	18.11	276	136324	10.97	ng	99

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

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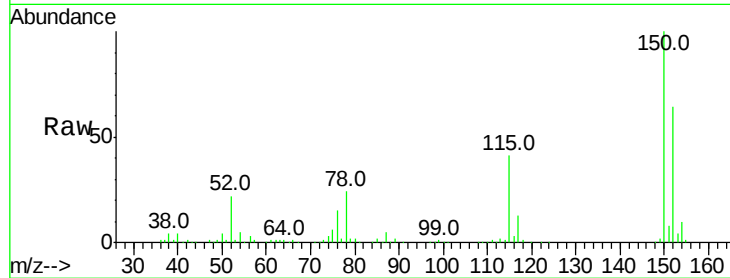




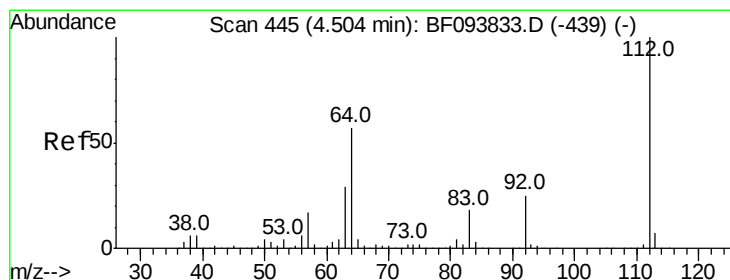
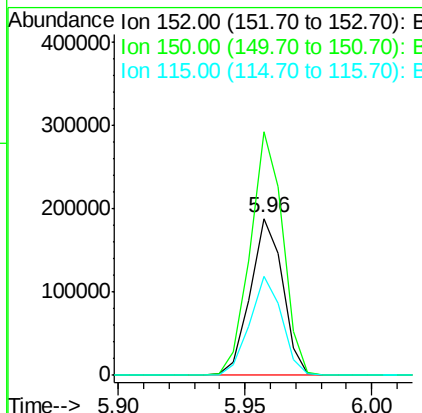
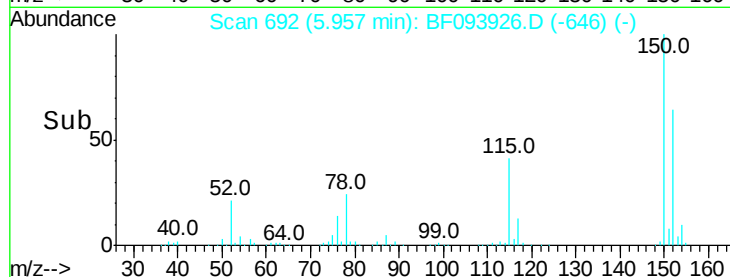
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.96 min Scan# 692
 Delta R.T. -0.03 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-R13-SSW

Tot Ion:152 Resp: 168659
 Ion Ratio Lower Upper
 152 100
 150 155.1 126.2 189.2
 115 62.9 52.2 78.2

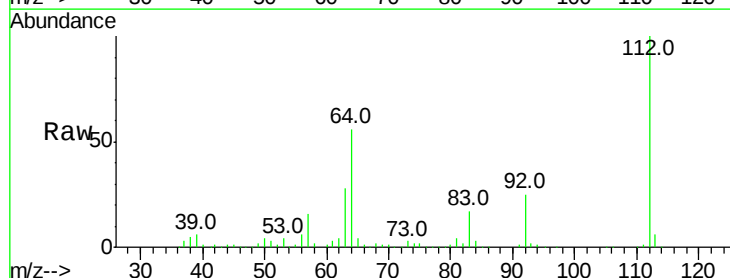


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

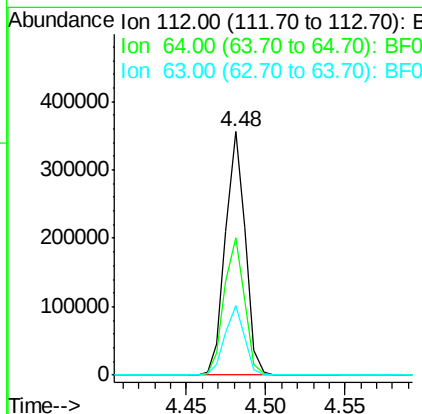
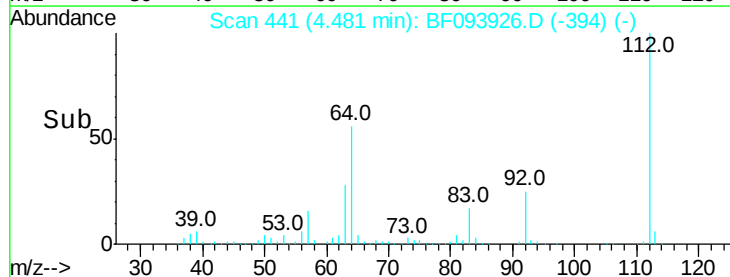


#5
 2-Fluorophenol
 Concen: 30.93 ng
 RT: 4.48 min Scan# 441
 Delta R.T. -0.02 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

Tgt Ion:112 Resp: 308852
 Ion Ratio Lower Upper
 112 100
 64 56.5 46.0 69.0
 63 28.5 23.4 35.0



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: 31.72 ng

RT: 5.55 min Scan# 622

Delta R.T. -0.02 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Instrument :

BNA_F

ClientSampleId :

E2-R13-SSW

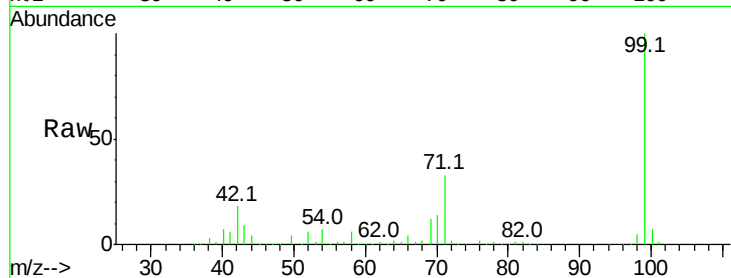
Tot Ion: 99 Resp: 391868

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

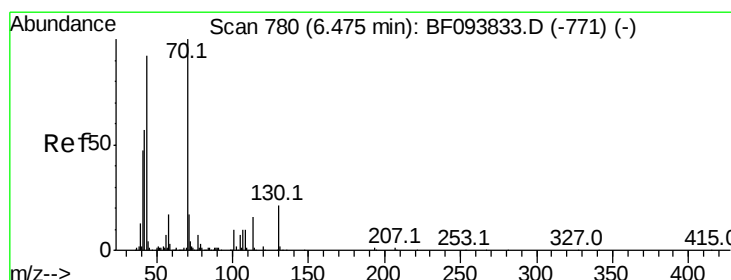
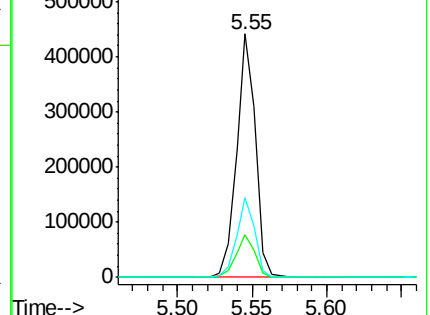
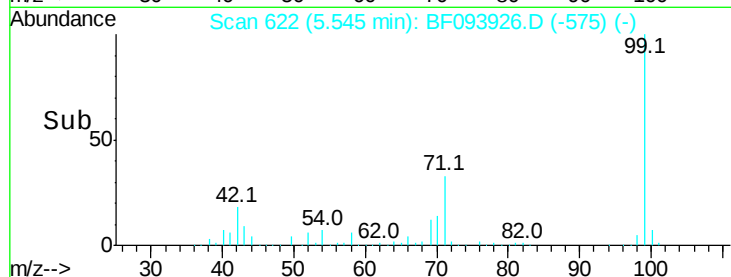
71 32.9 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.74 ng

RT: 6.60 min Scan# 801

Delta R.T. 0.12 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Tgt Ion: 70 Resp: 29707

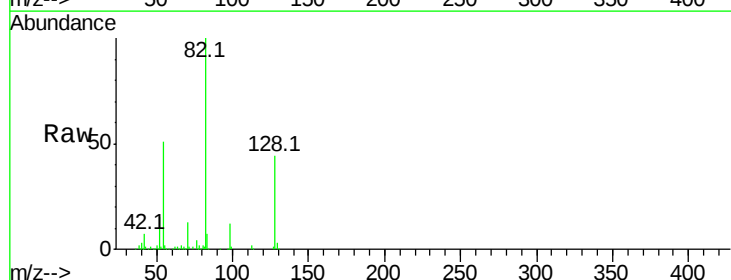
Ion Ratio Lower Upper

70 100

42 52.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

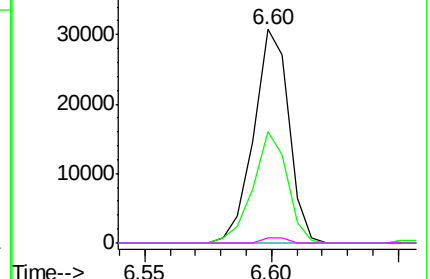
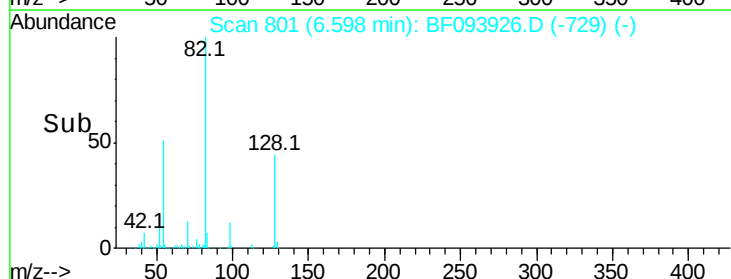


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

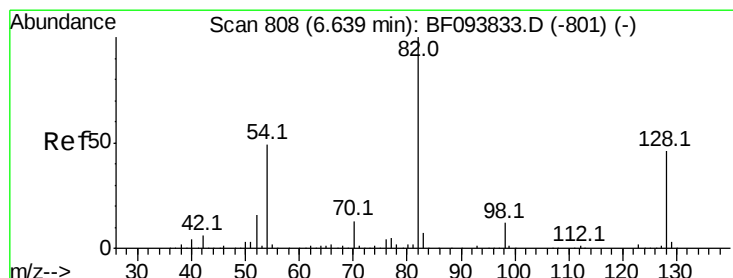
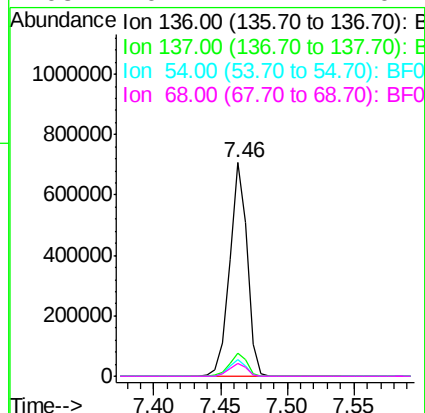
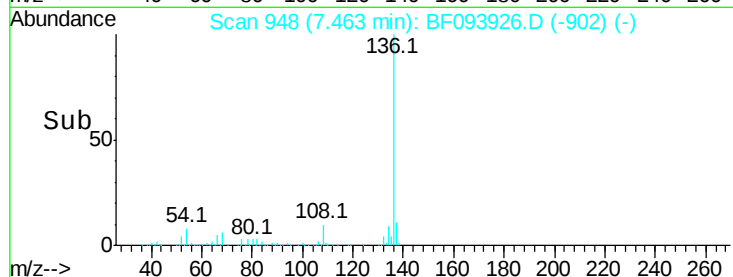
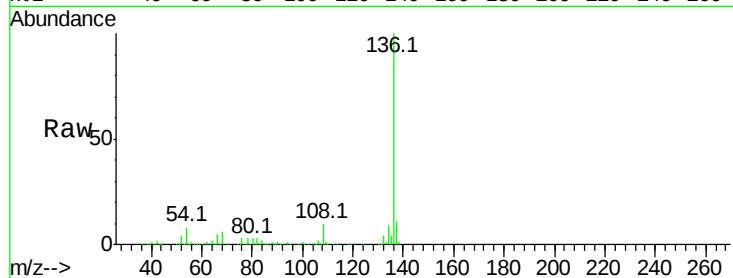




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.46 min Scan# 948
Delta R.T. -0.03 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

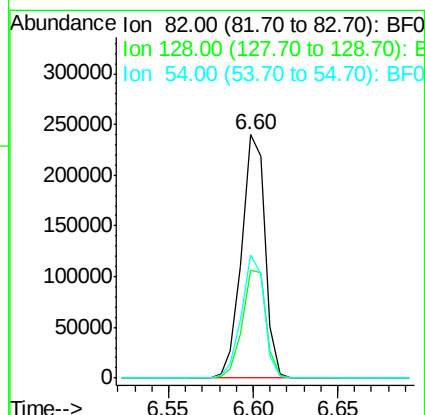
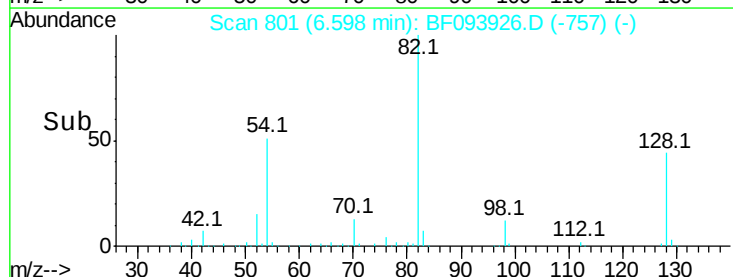
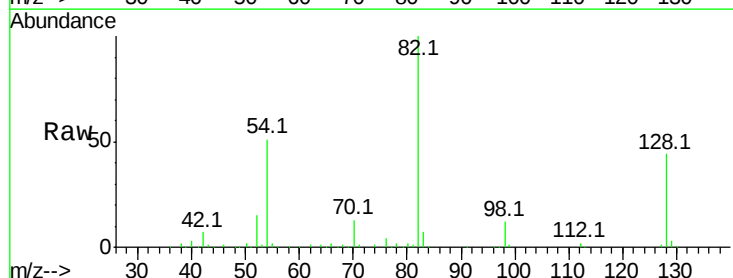
Instrument :
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ClientSampleId :
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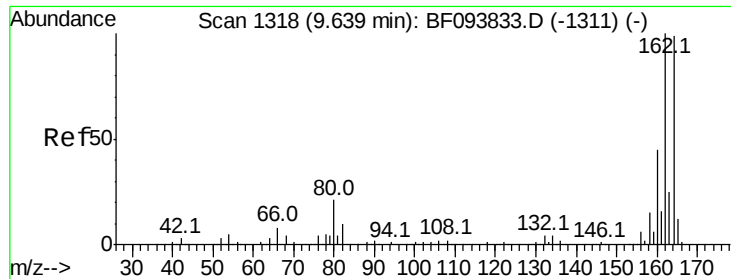
Tot Ion:	136	Resp:	656611
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	8.1	4.9	7.3#
68	6.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 20.14 ng
RT: 6.60 min Scan# 801
Delta R.T. -0.04 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Tgt Ion:	82	Resp:	231676
Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.0	51.0
54	50.9	42.2	63.2

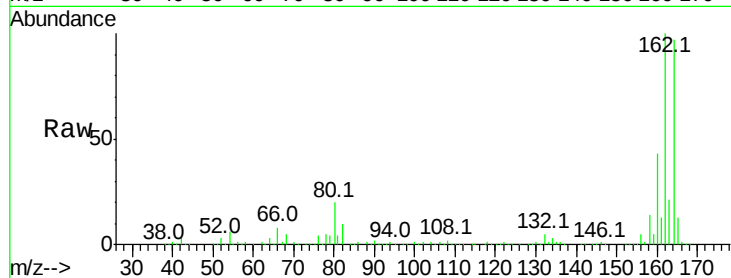




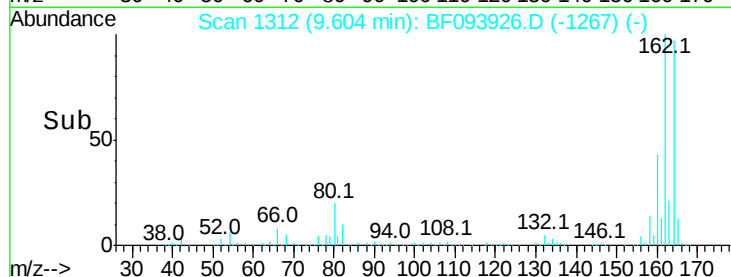
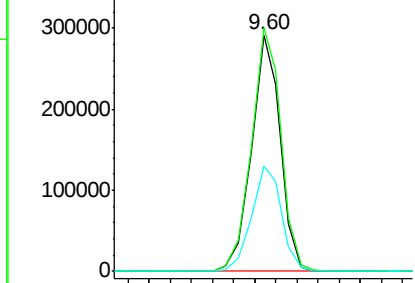
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 1312
Delta R.T. -0.04 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Instrument :
BNA_F
ClientSampleId :
E2-R13-SSW

Tot Ion:164 Resp: 274171
Ion Ratio Lower Upper
164 100
162 103.2 82.6 123.8
160 44.6 36.2 54.2

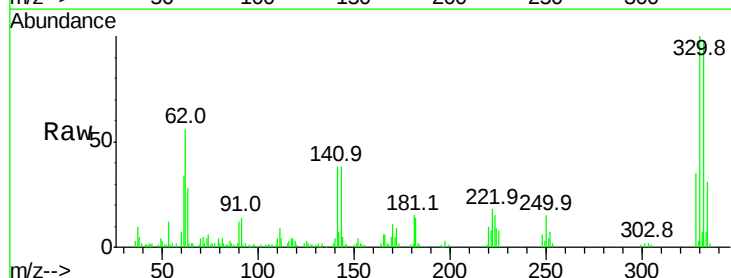


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

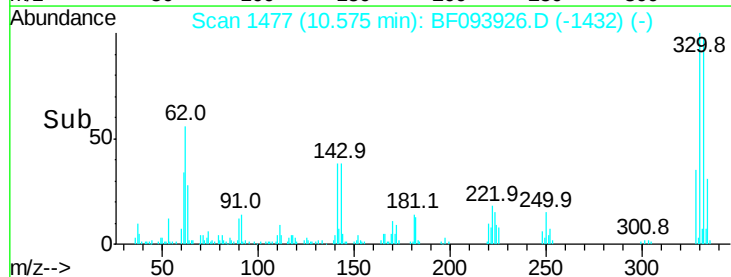
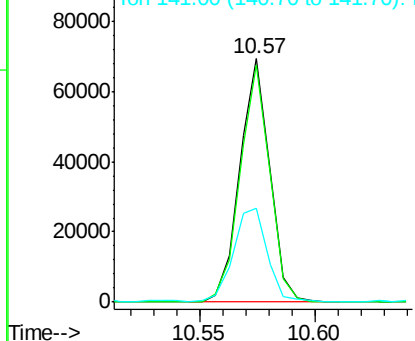


#41
2,4,6-Tribromophenol
Concen: 28.95 ng
RT: 10.57 min Scan# 1477
Delta R.T. -0.04 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Tgt Ion:330 Resp: 62717
Ion Ratio Lower Upper
330 100
332 96.2 76.6 115.0
141 43.9 31.4 47.2



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

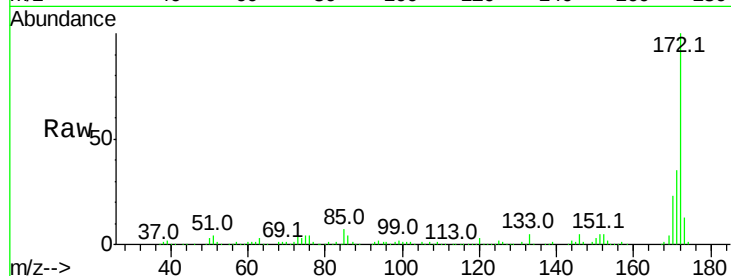




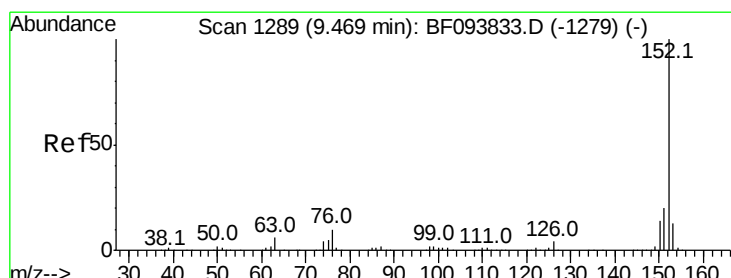
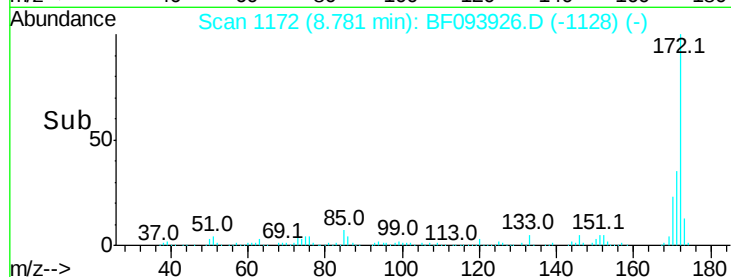
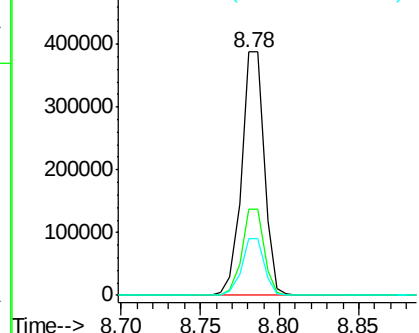
#44
2-Fluorobiphenyl
Concen: 21.41 ng
RT: 8.78 min Scan# 1172
Delta R.T. -0.04 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.2	19.8	29.8

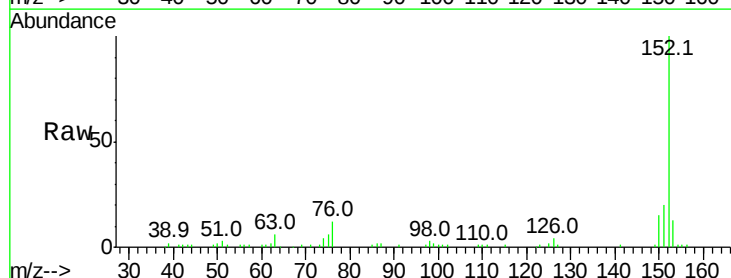


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

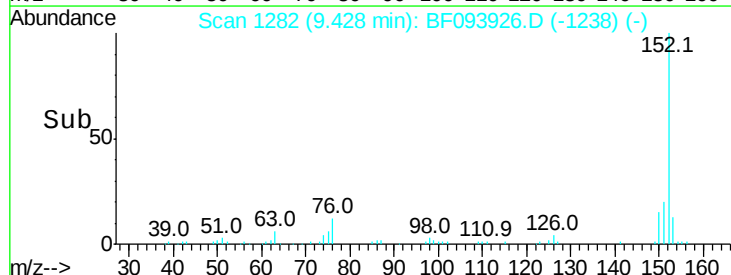
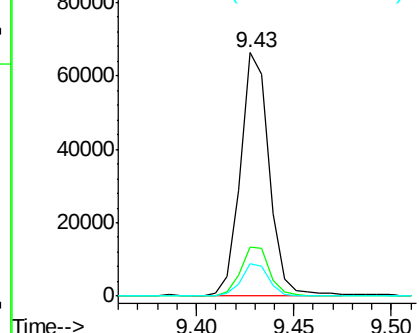


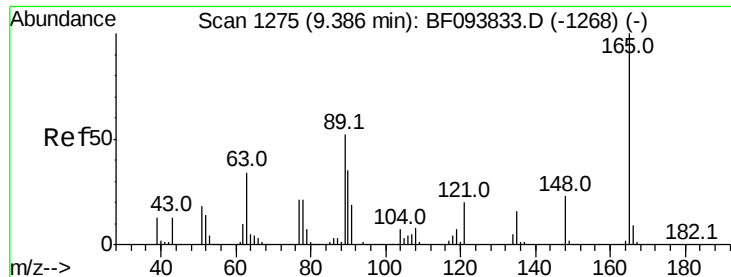
#48
Acenaphthylene
Concen: 2.37 ng
RT: 9.43 min Scan# 1282
Delta R.T. -0.04 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	13.2	10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

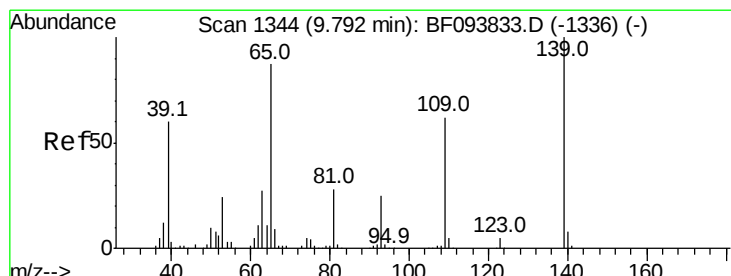
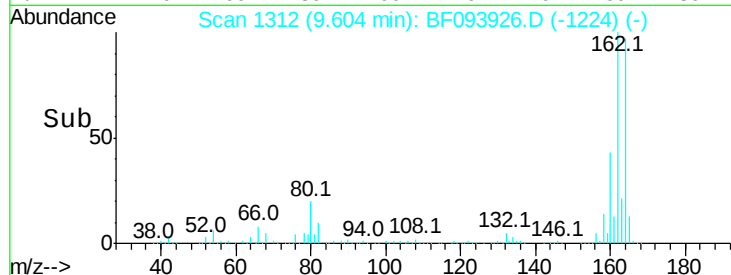
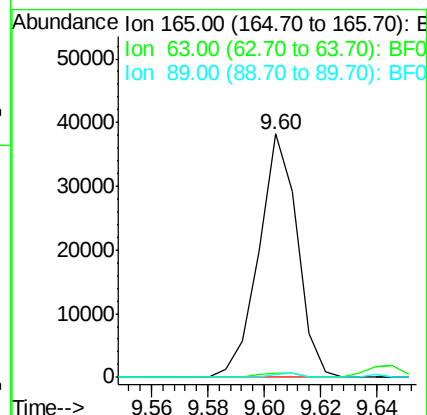
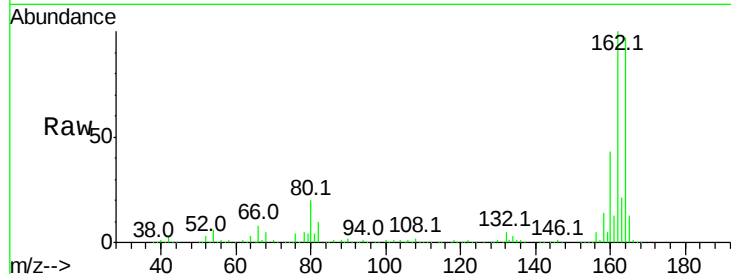




#50
 2,6-Dinitrotoluene
 Concen: 8.03 ng
 RT: 9.60 min Scan# 1312
 Delta R.T. 0.22 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

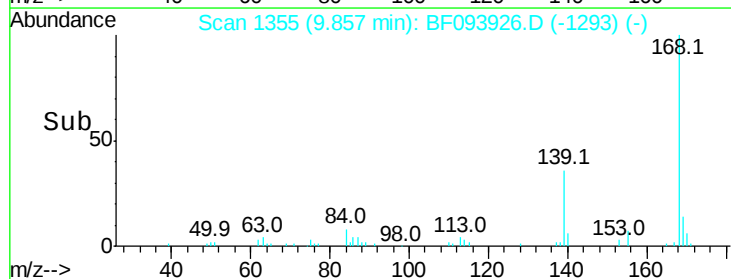
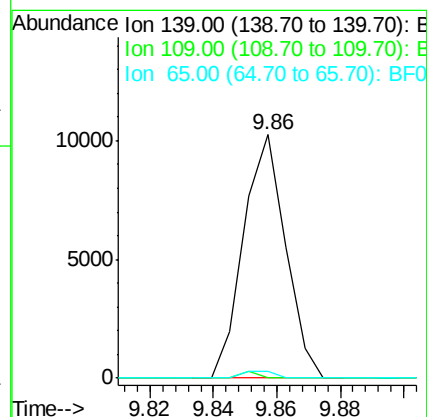
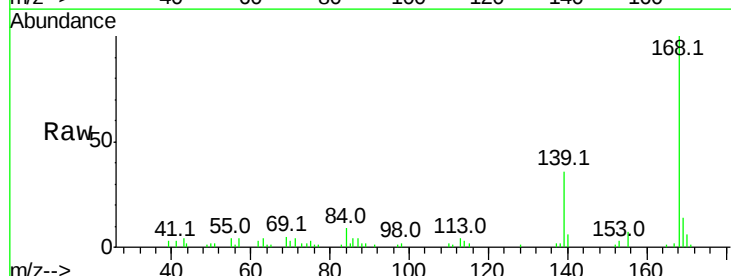
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Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	1.2	37.1	55.7#



#55
 4-Nitrophenol
 Concen: 2.29 ng
 RT: 9.86 min Scan# 1355
 Delta R.T. 0.06 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	3.0	31.4	71.4#

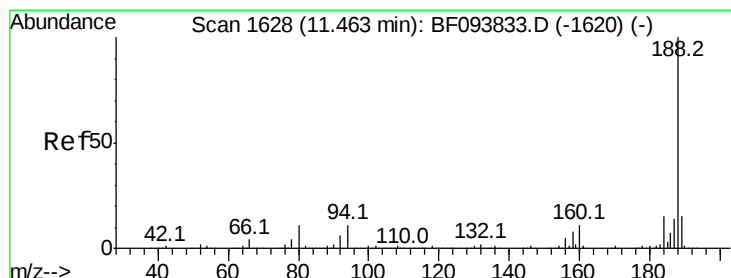
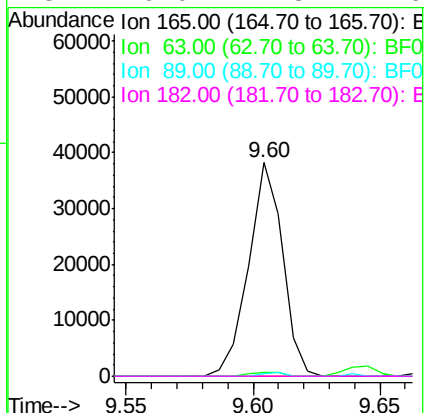
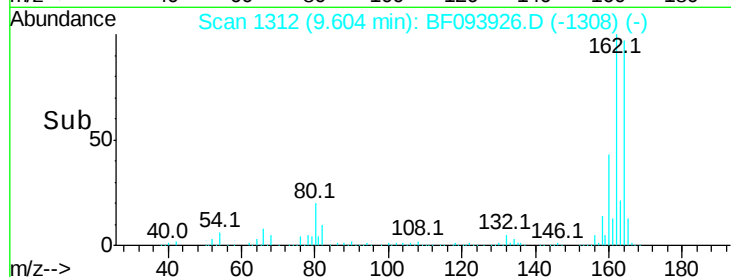
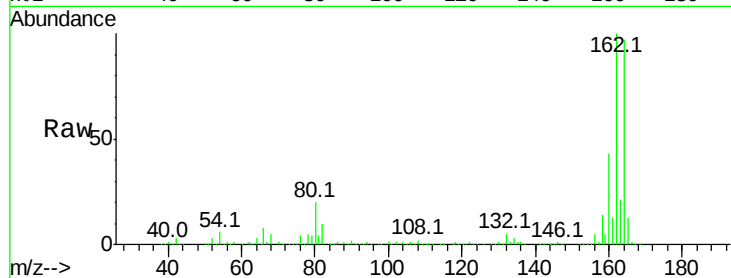




#56
 2,4-Dinitrotoluene
 Concen: 6.39 ng
 RT: 9.60 min Scan# 1312
 Delta R.T. -0.28 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

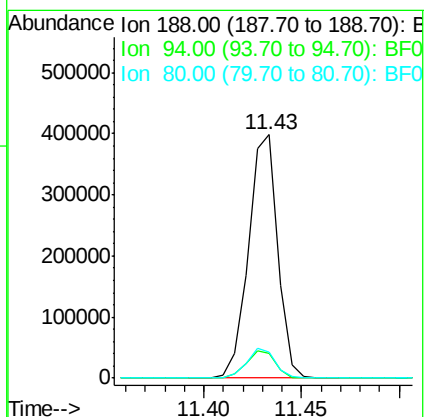
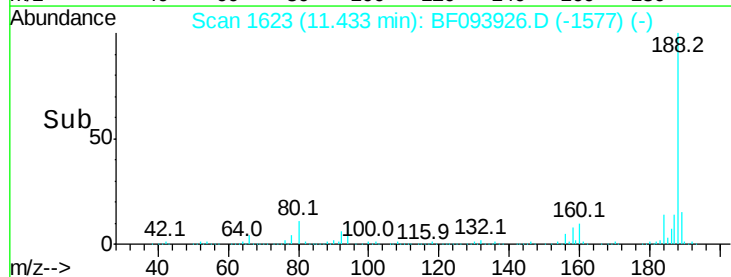
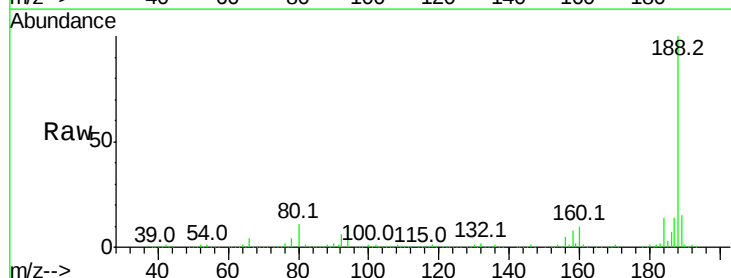
Instrument :
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 E2-R13-SSW

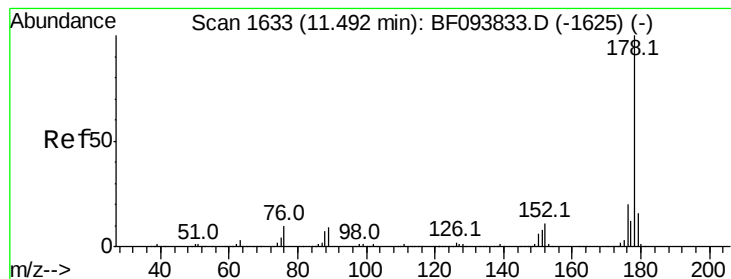
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 1623
 Delta R.T. -0.03 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	10.5	10.2	15.2





#70

Phenanthrene

Concen: 18.11 ng

RT: 11.46 min Scan# 1627

Delta R.T. -0.04 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Instrument :

BNA_F

ClientSampleId :

E2-R13-SSW

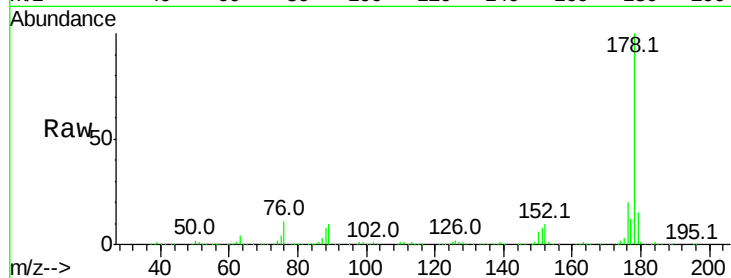
Tot Ion:178 Resp: 413483

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

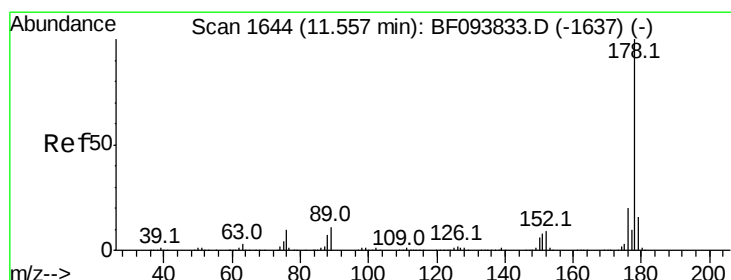
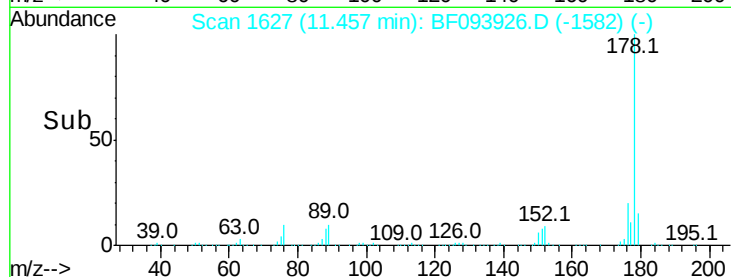
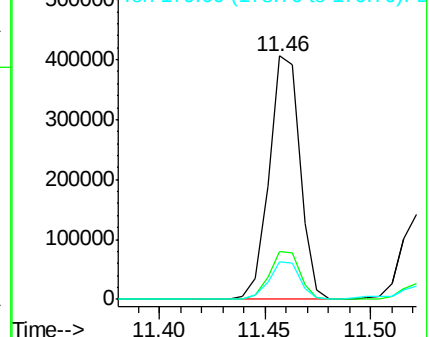
179 15.2 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 5.49 ng

RT: 11.52 min Scan# 1638

Delta R.T. -0.04 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

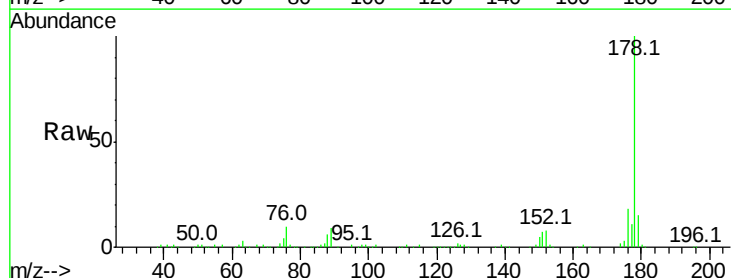
Tgt Ion:178 Resp: 128957

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.8

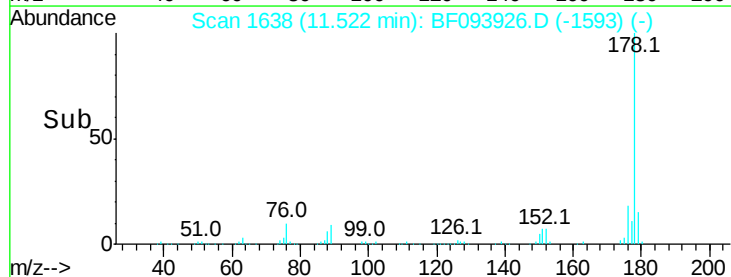
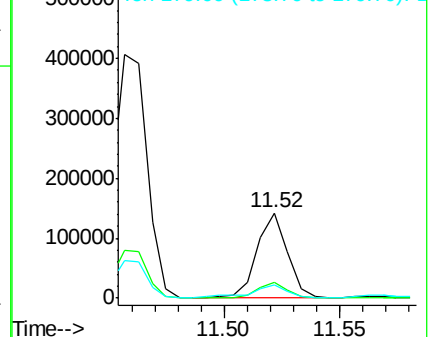
179 14.9 12.7 19.1

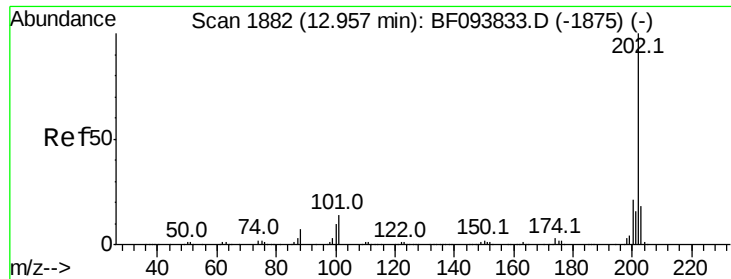


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 28.76 ng

RT: 12.93 min Scan# 1877

Delta R.T. -0.03 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Instrument :

BNA_F

ClientSampleId :

E2-R13-SSW

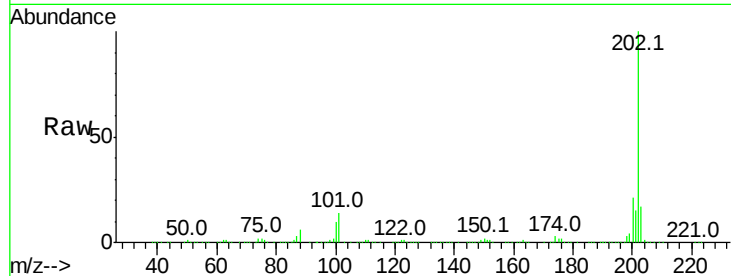
Tot Ion:202 Resp: 672325

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

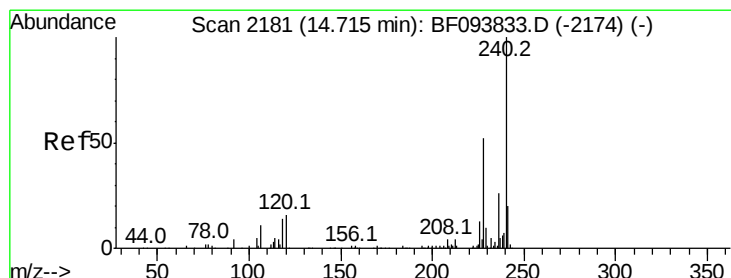
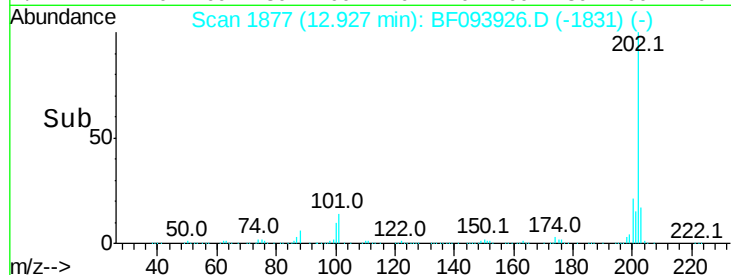
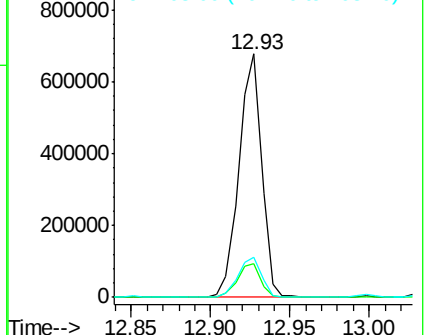
203 16.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.69 min Scan# 2176

Delta R.T. -0.03 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

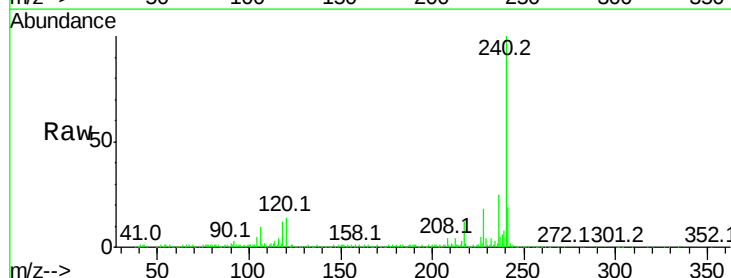
Tgt Ion:240 Resp: 300493

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

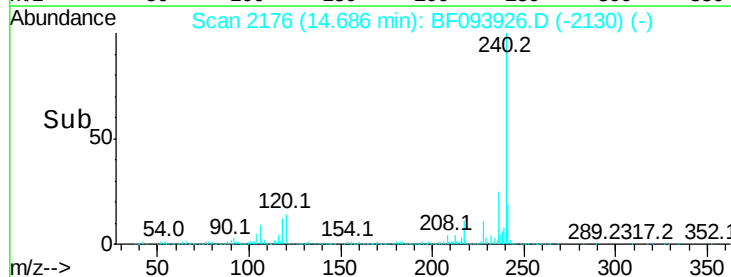
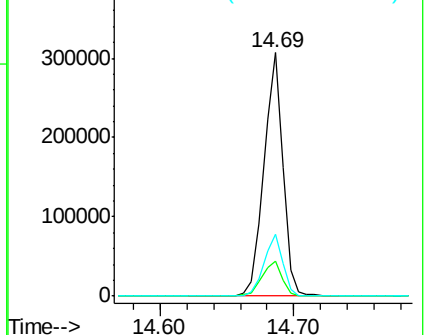
236 25.3 20.5 30.7

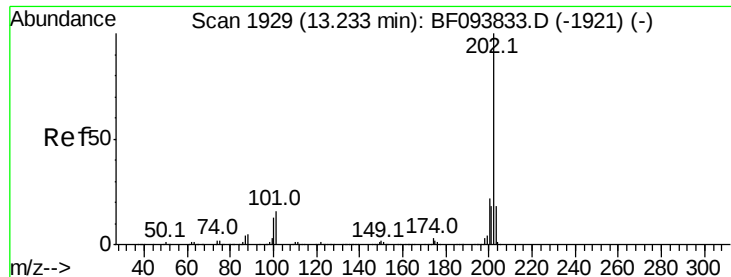


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

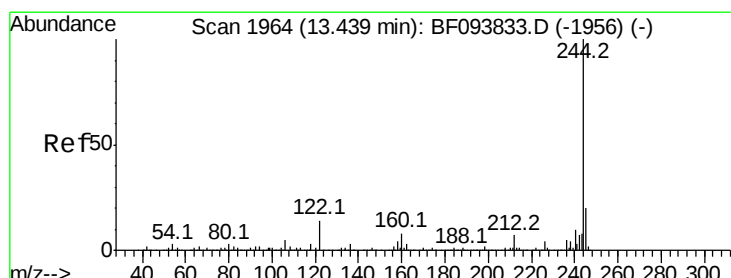
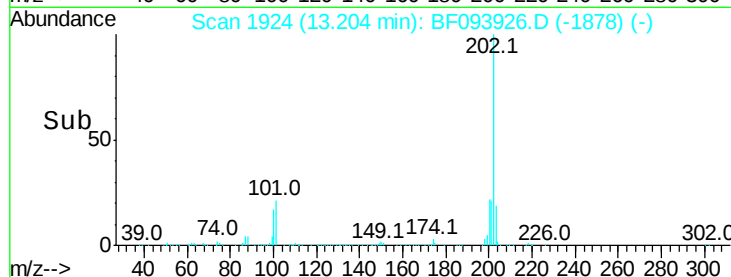
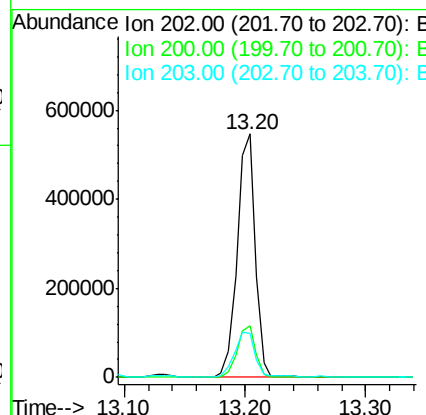
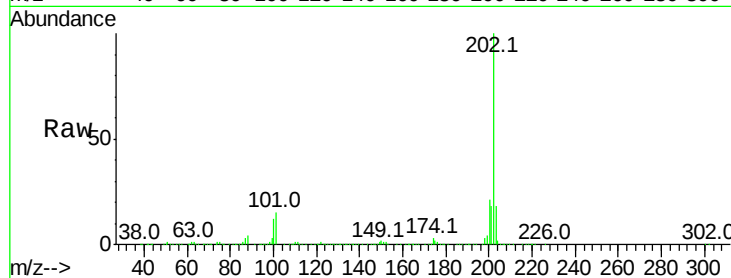




#77
Pvrene
Concen: 25.98 ng
RT: 13.20 min Scan# 1924
Delta R.T. -0.03 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

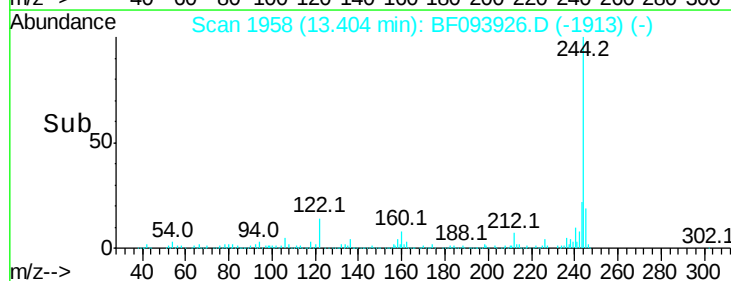
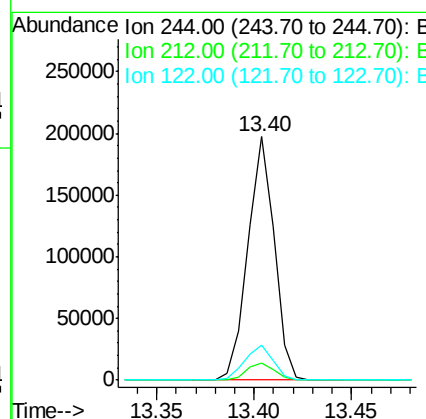
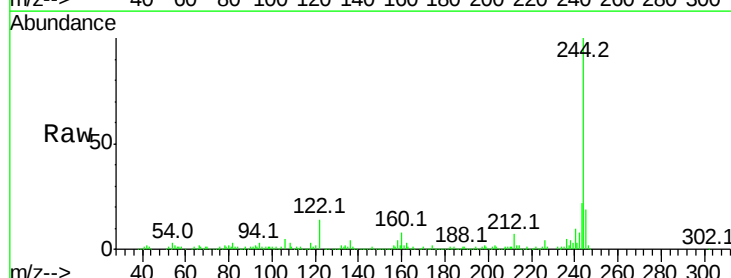
Instrument :
BNA_F
ClientSampleId :
E2-R13-SSW

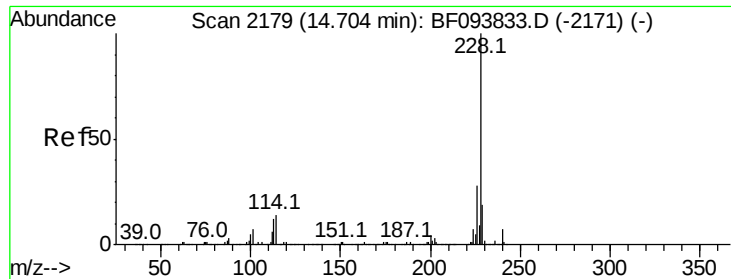
Tot Ion:202 Resp: 566531
Ion Ratio Lower Upper
202 100
200 21.2 17.6 26.4
203 17.8 14.4 21.6



#78
Terphenyl-d14
Concen: 13.88 ng
RT: 13.40 min Scan# 1958
Delta R.T. -0.04 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Tgt Ion:244 Resp: 186037
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 14.2 10.3 15.5





#80

Benzo(a)anthracene

Concen: 19.03 ng

RT: 14.67 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Instrument :

BNA_F

ClientSampleId :

E2-R13-SSW

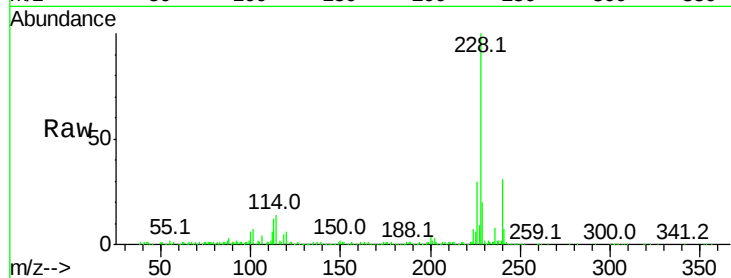
Tot Ion:228 Resp: 333536

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

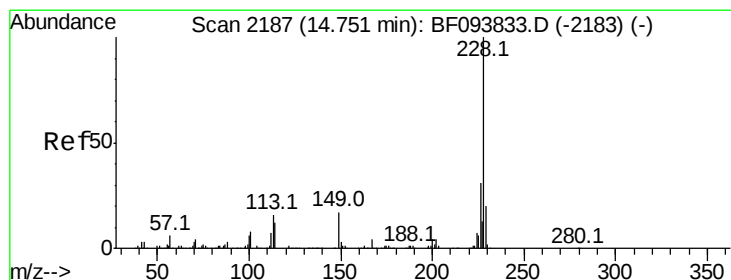
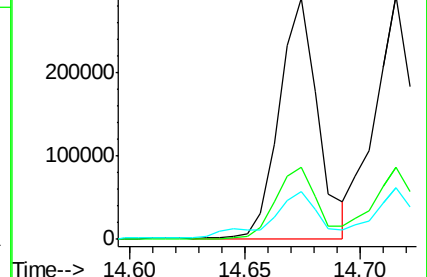
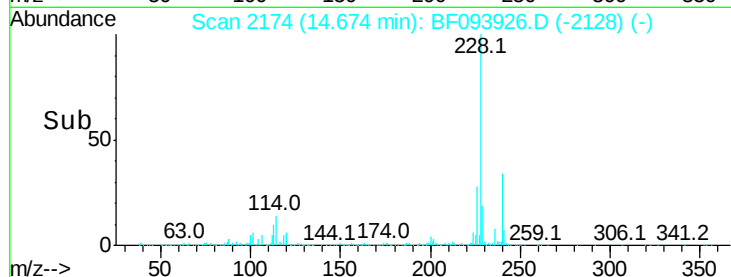
229 19.7 16.3 24.5



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: 19.85 ng

RT: 14.72 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

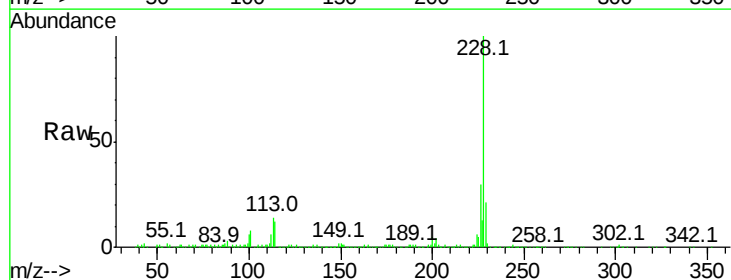
Tgt Ion:228 Resp: 322726

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

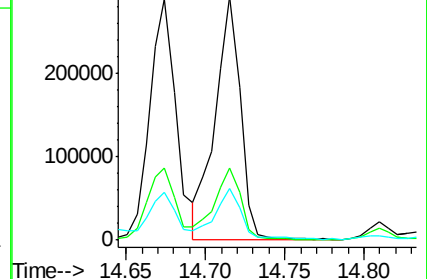
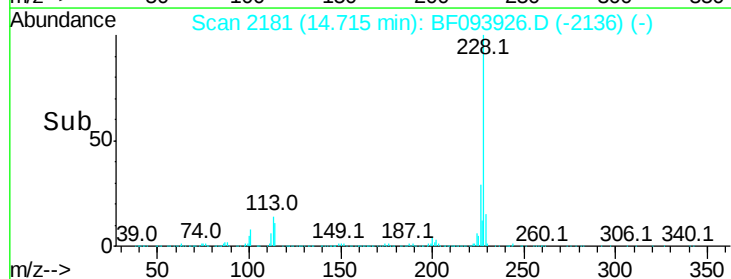
229 21.1 15.8 23.6

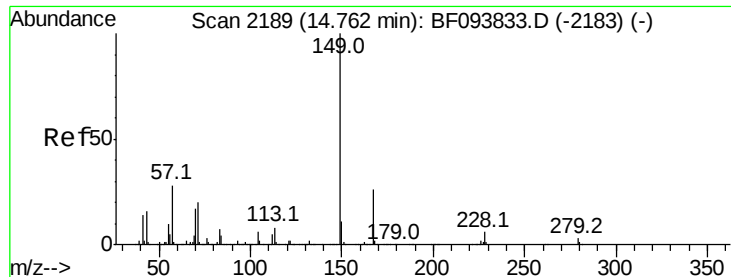


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.81 ng

RT: 14.73 min Scan# 2184

Delta R.T. -0.03 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

Instrument :

BNA_F

ClientSampleId :

E2-R13-SSW

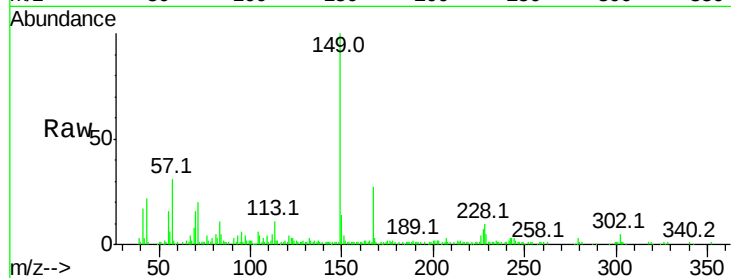
Tot Ion:149 Resp: 73679

Ion Ratio Lower Upper

149 100

167 27.2 21.0 31.4

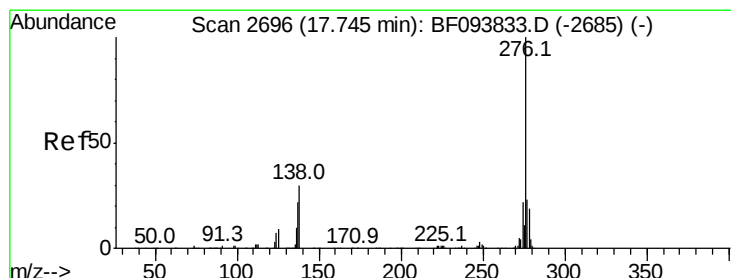
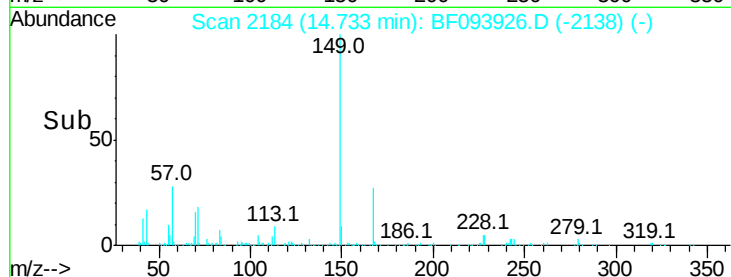
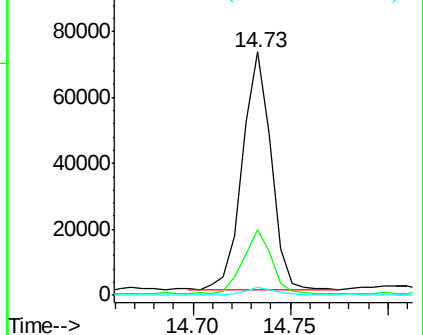
279 3.3 1.9 2.9#



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: 10.83 ng

RT: 17.70 min Scan# 2689

Delta R.T. -0.04 min

Lab File: BF093926.D

Acq: 25 Mar 2017 00:19

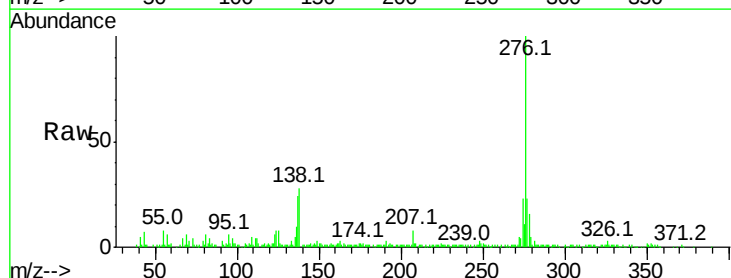
Tgt Ion:276 Resp: 152531

Ion Ratio Lower Upper

276 100

138 30.7 27.8 41.6

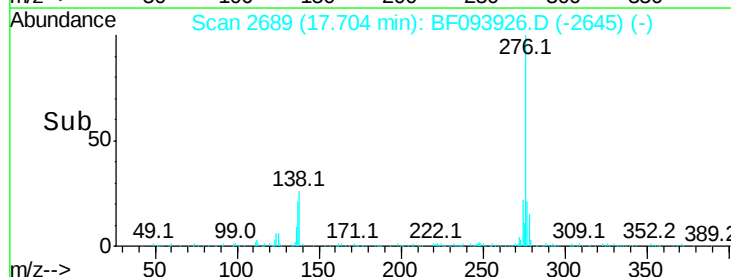
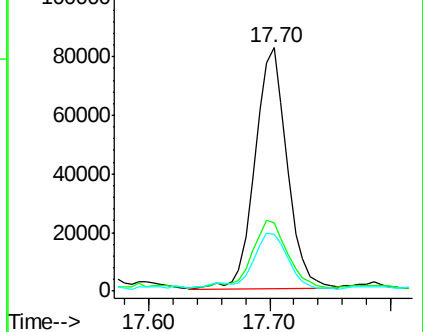
277 26.1 20.2 30.4

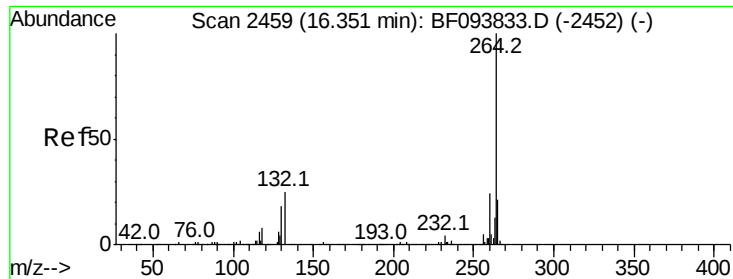


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



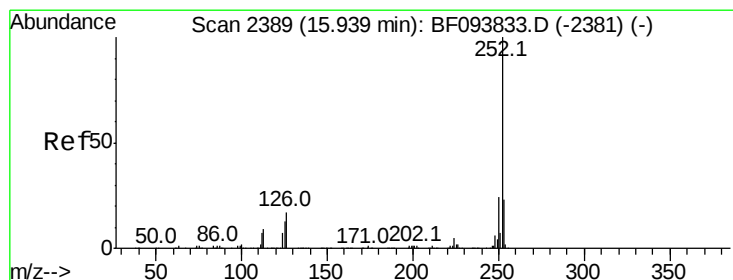
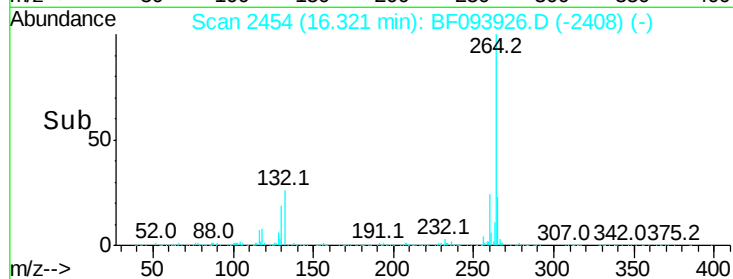
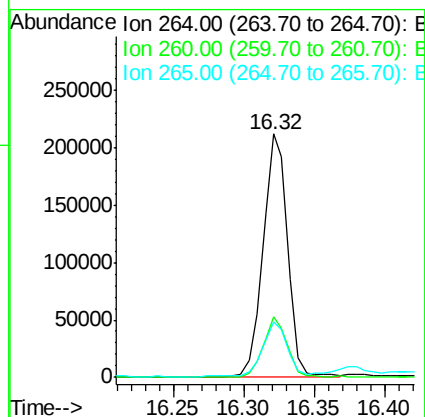
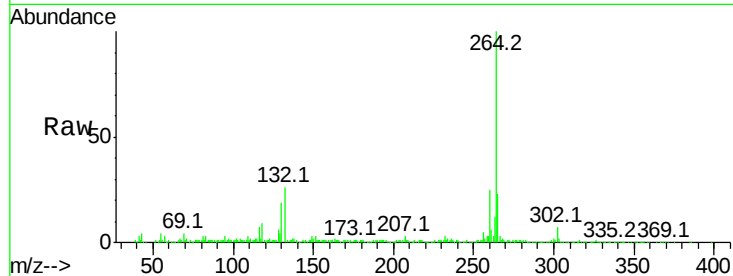


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.32 min Scan# 2454
Delta R.T. -0.03 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Instrument :
BNA_F
ClientSampled :
E2-R13-SSW

Tot Ion:264 Resp: 257882

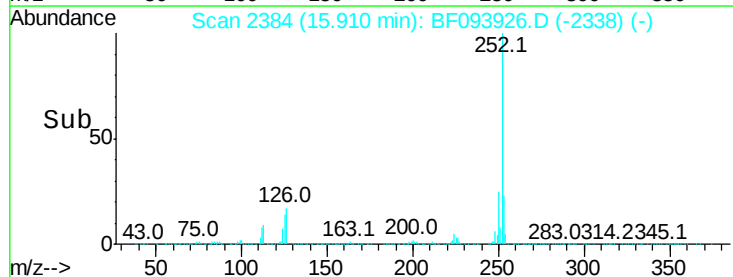
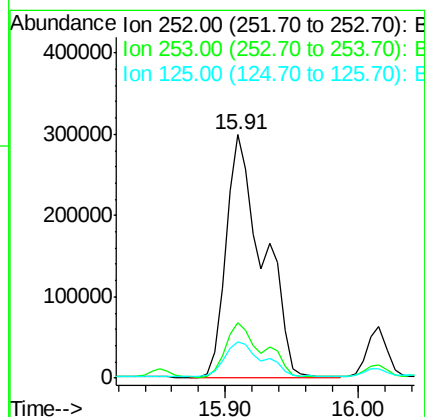
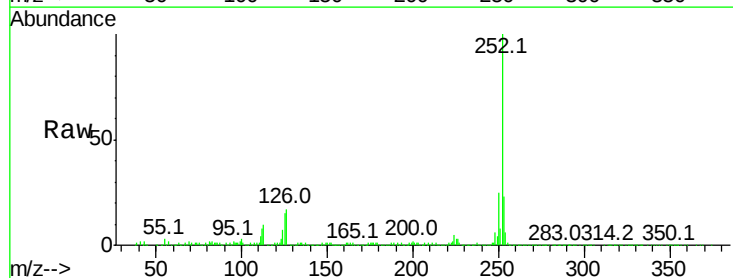
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	23.0	17.2	25.8

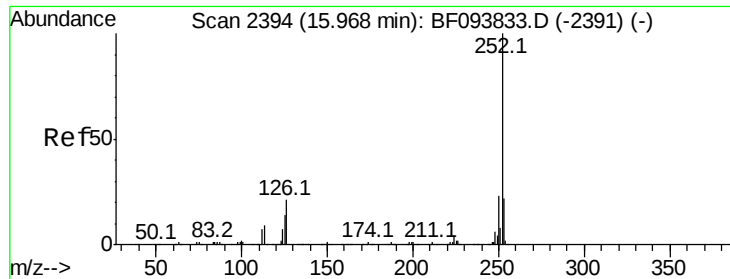


#87
Benzo(b)fluoranthene
Concen: 36.33 ng
RT: 15.91 min Scan# 2384
Delta R.T. -0.03 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Tgt Ion:252 Resp: 574342

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	14.8	9.8	14.8

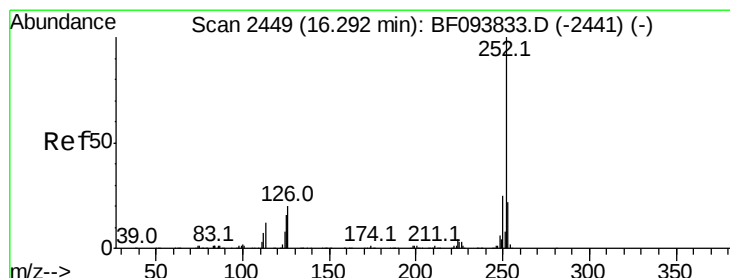
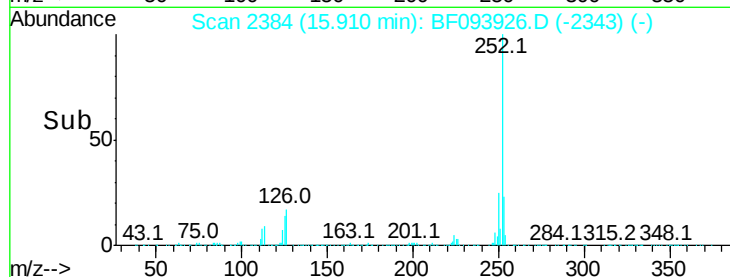
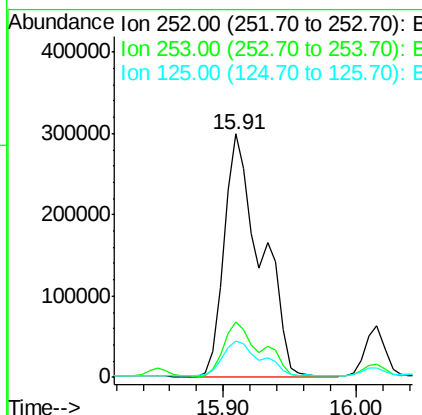
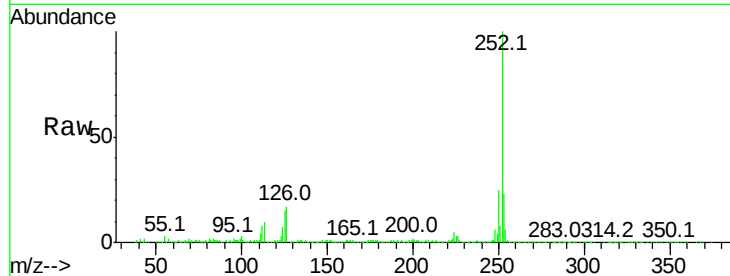




#88
Benzo(k)fluoranthene
Concen: 37.13 ng
RT: 15.91 min Scan# 2384
Delta R.T. -0.06 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

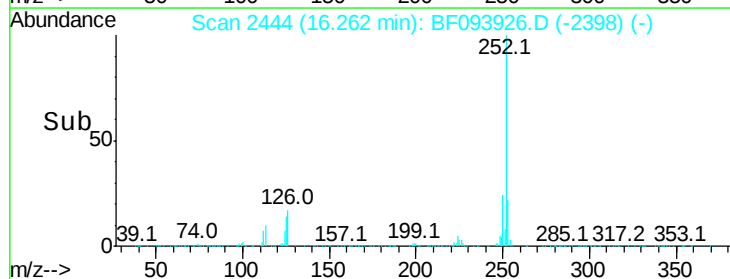
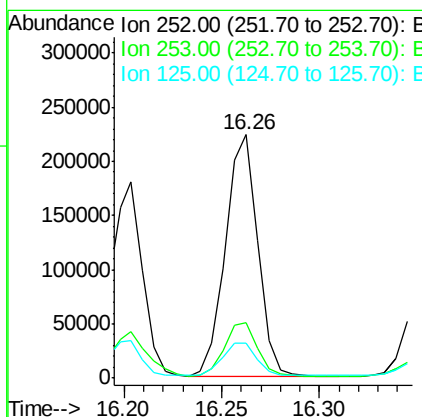
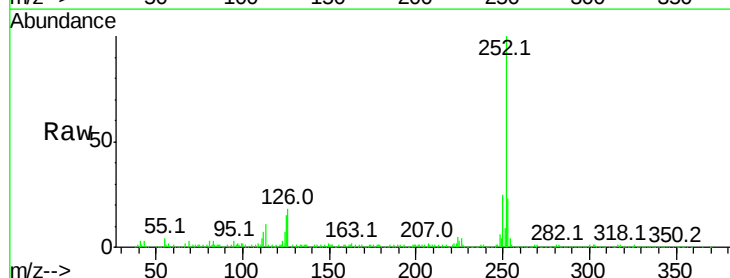
Instrument :
BNA_F
ClientSampleId :
E2-R13-SSW

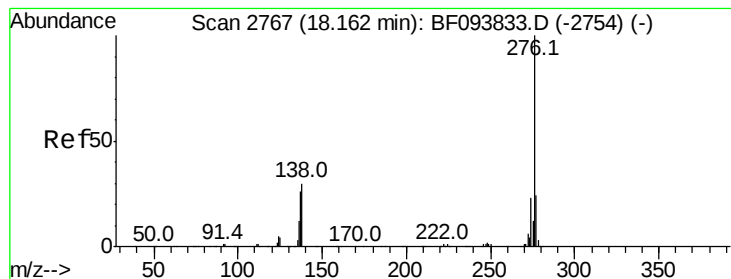
Tot	Ion:252	Resp:	574342
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	14.8	13.1	19.7



#89
Benzo(a)pyrene
Concen: 17.63 ng
RT: 16.26 min Scan# 2444
Delta R.T. -0.03 min
Lab File: BF093926.D
Acq: 25 Mar 2017 00:19

Tgt Ion	252	Resp: Lower	256686 Upper
	Ratio		
252	100		
253	22.8	17.5	26.3
125	14.5	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 10.97 ng
 RT: 18.11 min Scan# 2758
 Delta R.T. -0.05 min
 Lab File: BF093926.D
 Acq: 25 Mar 2017 00:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-R13-SSW

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	31.6	25.4	38.0

