

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093921.D
 Acq On : 24 Mar 2017 22:03
 Operator : SJ/MA
 Sample : I2367-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC10-SSW

Quant Time: Mar 24 23:06:41 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

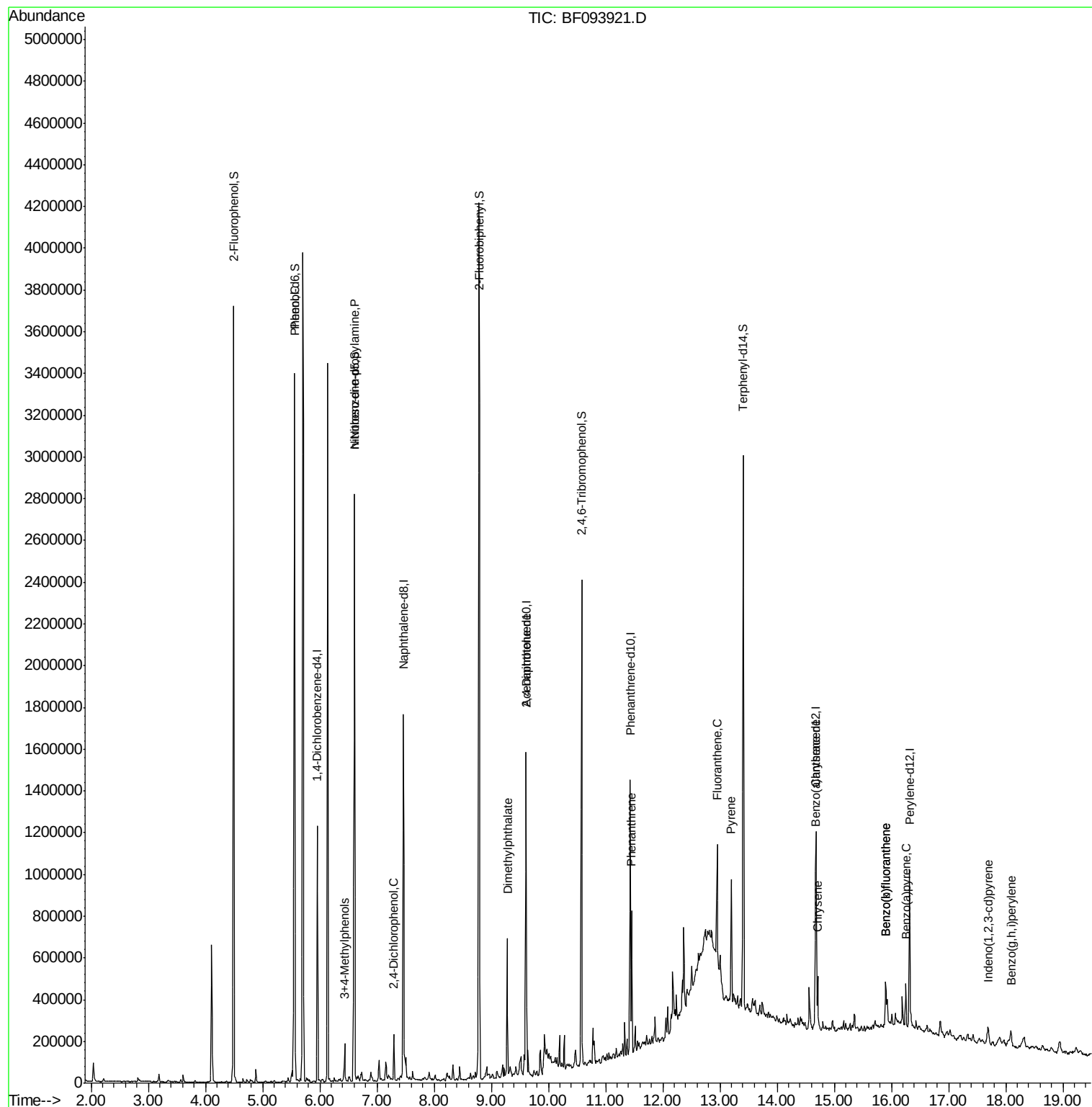
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	188166	20.00	ng	-0.03
21) Naphthalene-d8	7.46	136	820511	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	330571	20.00	ng	-0.04
63) Phenanthrene-d10	11.43	188	536762	20.00	ng	-0.04
75) Chrysene-d12	14.68	240	343219	20.00	ng	-0.04
86) Perylene-d12	16.32	264	313136	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.49	112	1282448	115.11	ng	-0.01
7) Phenol-d6	5.56	99	1663457	120.70	ng	0.00
23) Nitrobenzene-d5	6.61	82	1114104	77.49	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	311196	119.13	ng	-0.03
44) 2-Fluorobiphenyl	8.79	172	1560727	72.01	ng	-0.04
78) Terphenyl-d14	13.41	244	975957	63.74	ng	-0.03
Target Compounds						Qvalue
10) Phenol	5.57	94	75697	4.83	ng	93
19) n-Nitroso-di-n-propylamine	6.61	70	149862	16.92	ng	# 79
20) 3+4-Methylphenols	6.43	107	45037	3.55	ng	# 59
29) 2,4-Dichlorophenol	7.29	162	42095	3.86	ng	99
49) Dimethylphthalate	9.28	163	272209	11.58	ng	99
56) 2,4-Dinitrotoluene	9.60	165	44518	6.58	ng	# 34
70) Phenanthrene	11.46	178	260340	8.72	ng	99
74) Fluoranthene	12.95	202	311877	10.20	ng	98
77) Pyrene	13.20	202	266963	10.72	ng	98
80) Benzo(a)anthracene	14.67	228	98774	4.94	ng	99
82) Chrysene	14.71	228	104462	5.62	ng	97
85) Indeno(1,2,3-cd)pyrene	17.69	276	54727	3.40	ng	93
87) Benzo(b)fluoranthene	15.90	252	161662	8.42	ng	# 95
88) Benzo(k)fluoranthene	15.90	252	161662	8.61	ng	98
89) Benzo(a)pyrene	16.25	252	87254	4.94	ng	96
91) Benzo(g,h,i)perylene	18.09	276	50892	3.37	ng	92

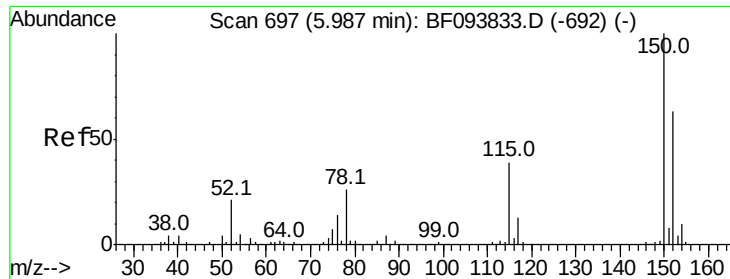
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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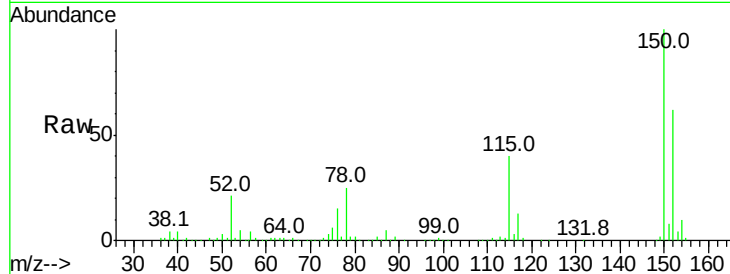


#1

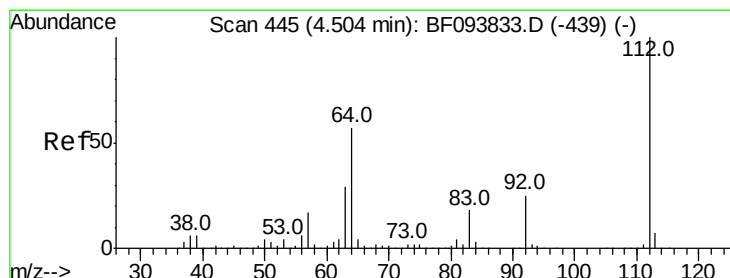
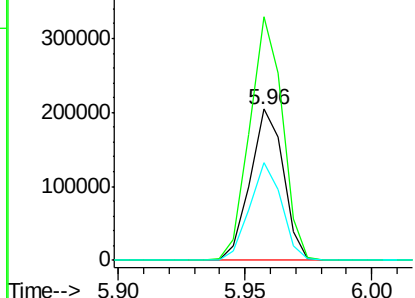
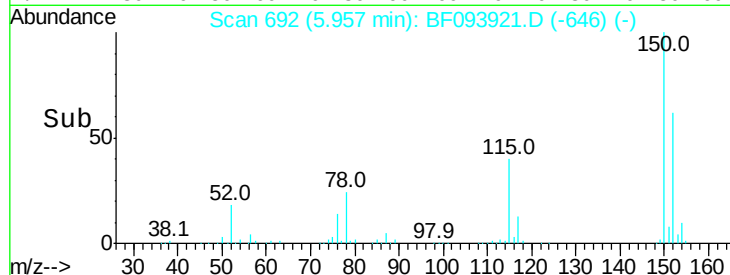
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.96 min Scan# 692
Delta R.T. -0.03 min
Lab File: BF093921.D
Acq: 24 Mar 2017 22:03

Instrument :
BNA_F
ClientSampleId :
E2-CC10-SSW

Tot Ion:152 Resp: 188166
Ion Ratio Lower Upper
152 100
150 160.9 126.2 189.2
115 64.3 52.2 78.2



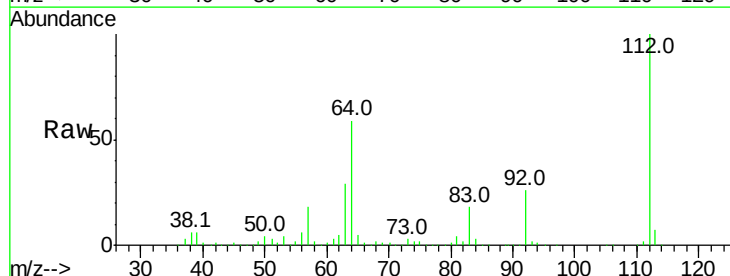
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



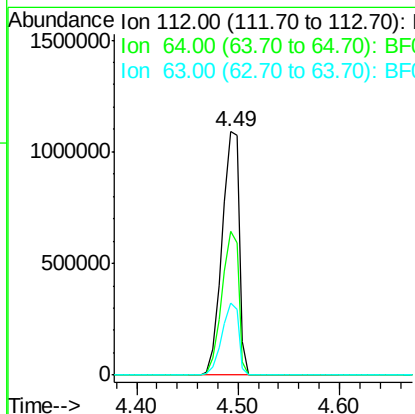
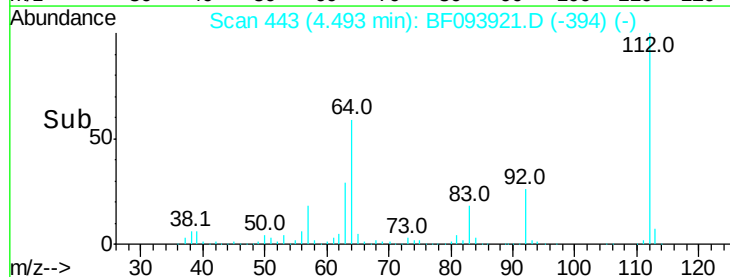
#5

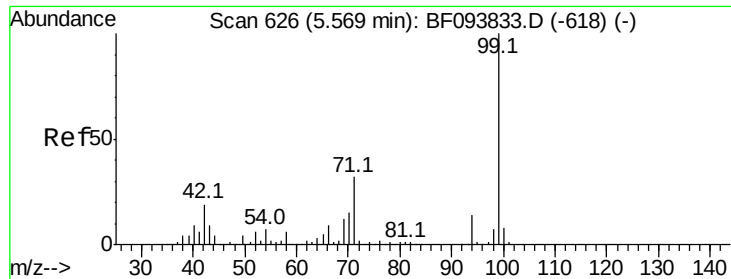
2-Fluorophenol
Concen: 115.11 ng
RT: 4.49 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF093921.D
Acq: 24 Mar 2017 22:03

Tgt Ion:112 Resp: 1282448
Ion Ratio Lower Upper
112 100
64 58.9 46.0 69.0
63 29.4 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: 120.70 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

Instrument :

BNA_F

ClientSampleId :

E2-CC10-SSW

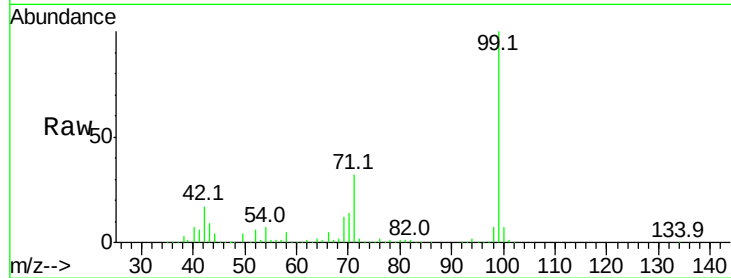
Tot Ion: 99 Resp: 1663457

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

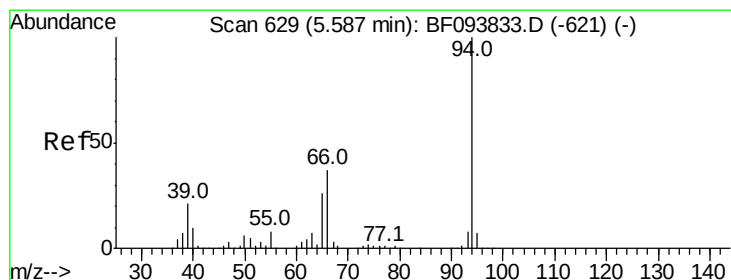
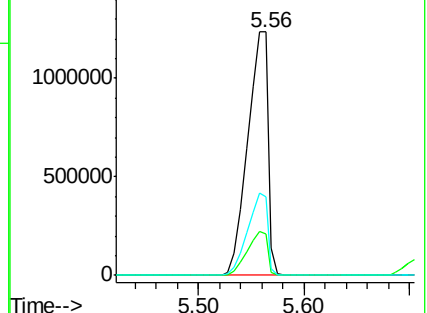
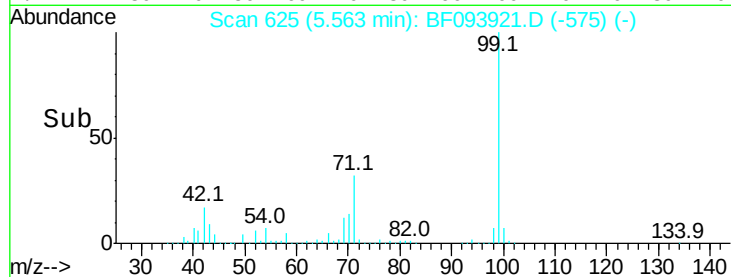
71 32.4 24.5 36.7



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



#10

Phenol

Concen: 4.83 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

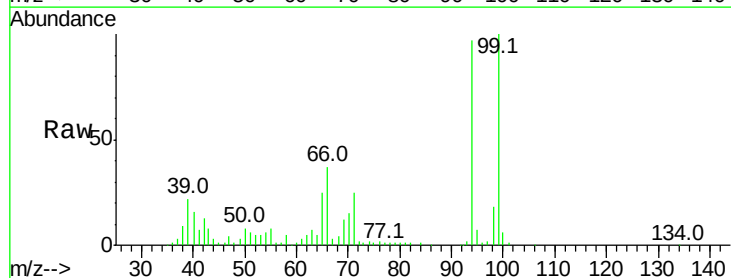
Tgt Ion: 94 Resp: 75697

Ion Ratio Lower Upper

94 100

65 25.8 9.9 49.9

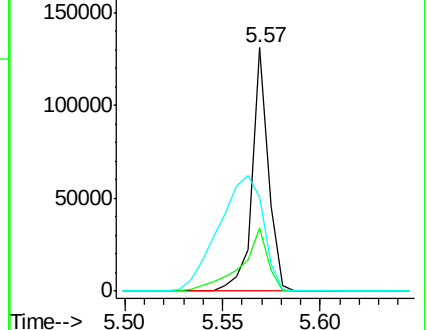
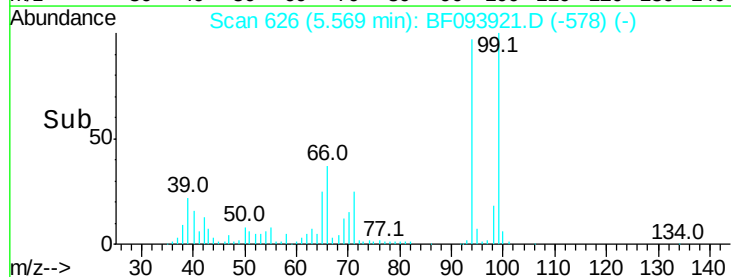
66 38.6 23.1 63.1

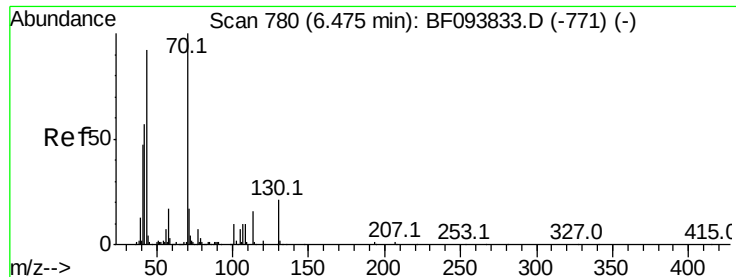


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 16.92 ng

RT: 6.61 min Scan# 803

Delta R.T. 0.14 min

Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

Instrument :

BNA_F

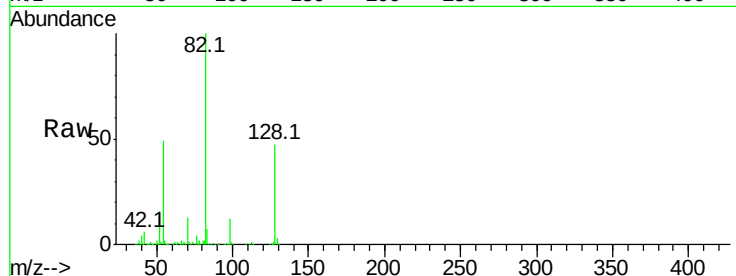
ClientSampleId :

E2-CC10-SSW

Tot Ion: 70 Resp: 149862

Ion Ratio Lower Upper

70	100		
42	48.5	47.2	70.8
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#

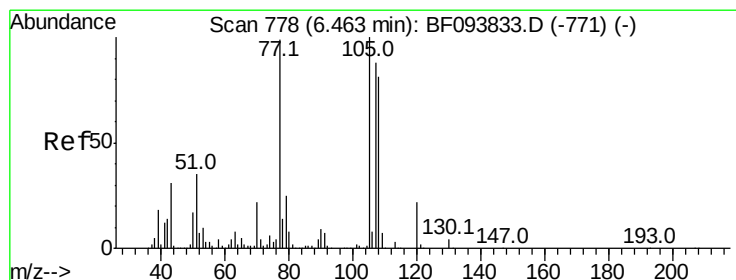
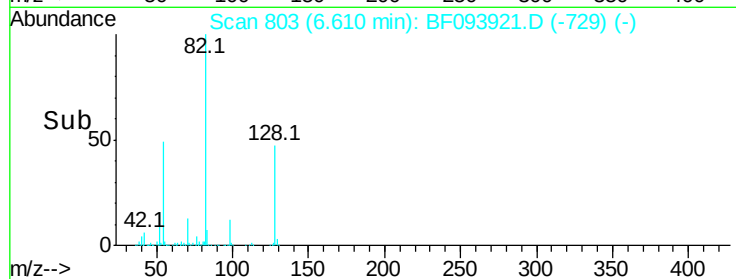
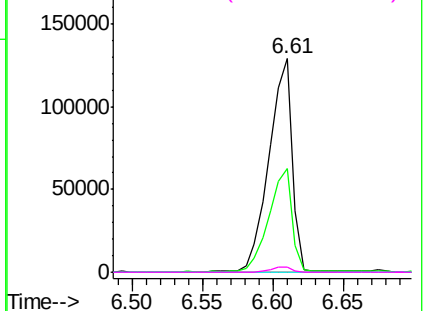


Abundance Ion 70.00 (69.70 to 70.70): BF0

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



#20

3+4-Methylphenols

Concen: 3.55 ng

RT: 6.43 min Scan# 773

Delta R.T. -0.03 min

Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

Tgt Ion: 107 Resp: 45037

Ion Ratio Lower Upper

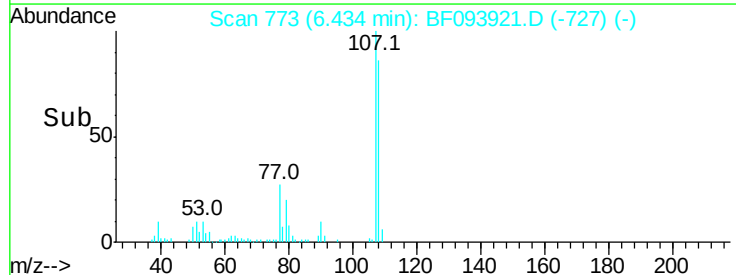
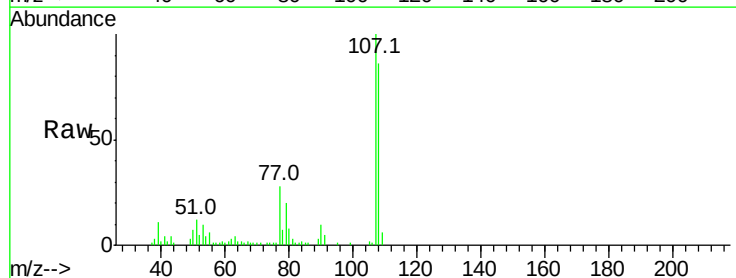
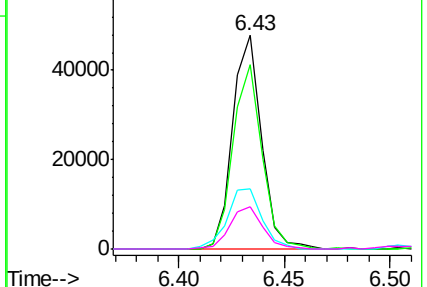
107	100		
108	86.4	71.0	111.0
77	27.9	90.5	130.5#
79	20.0	8.4	48.4

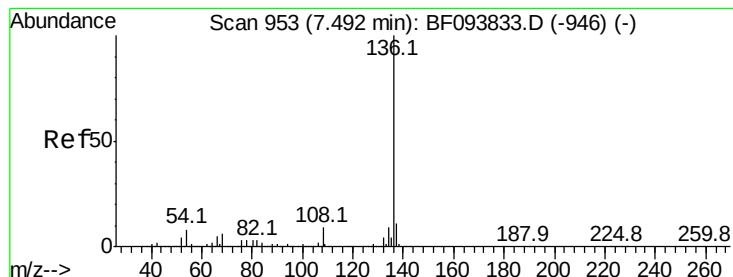
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.46 min Scan# 948

Delta R.T. -0.03 min

Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

Instrument :

BNA_F

ClientSampleId :

E2-CC10-SSW

Tot Ion:136 Resp: 820511

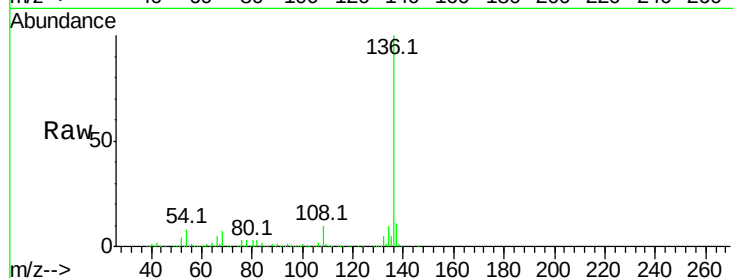
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.1 4.9 7.3#

68 6.6 4.1 6.1#

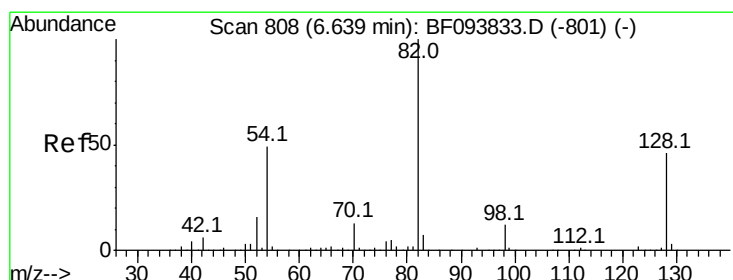
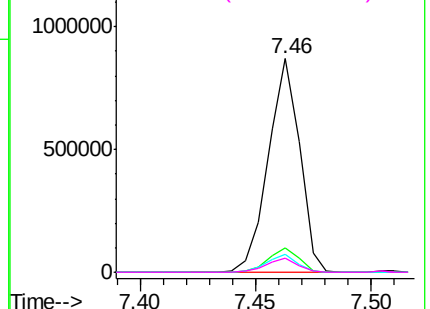
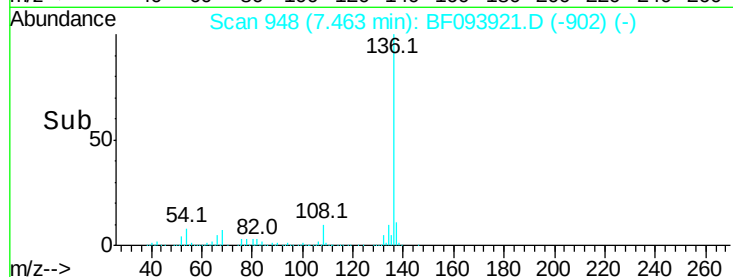


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.49 ng

RT: 6.61 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

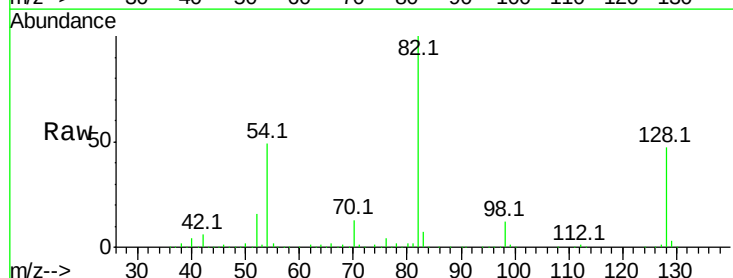
Tgt Ion: 82 Resp: 1114104

Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

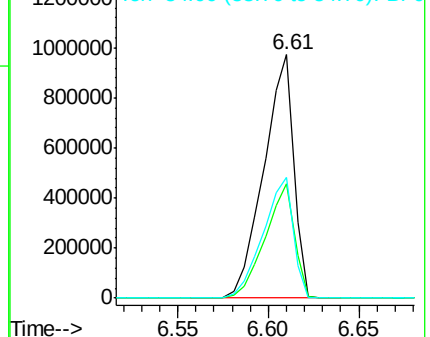
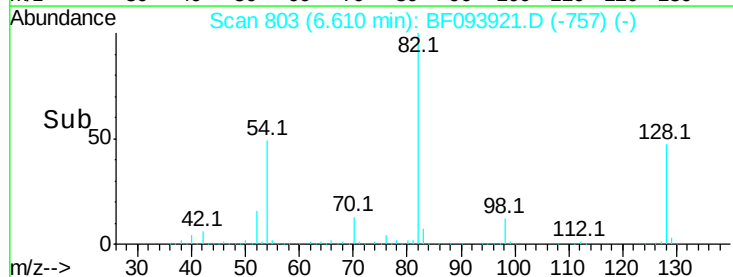
54 49.4 42.2 63.2

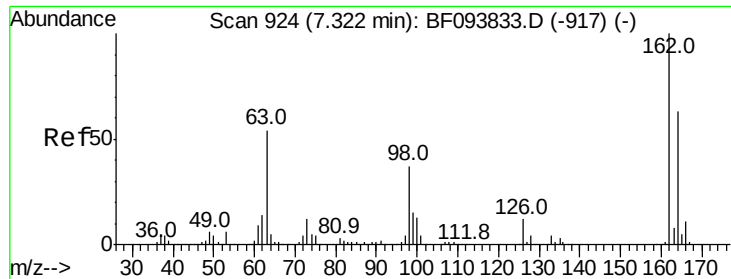


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

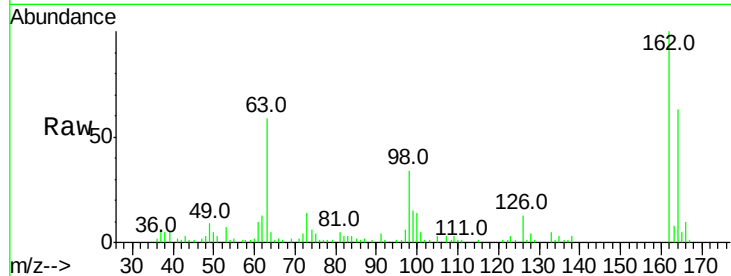




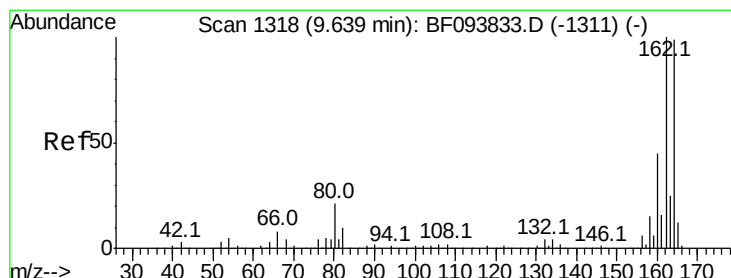
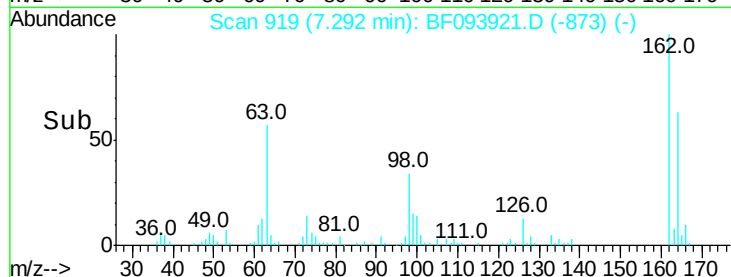
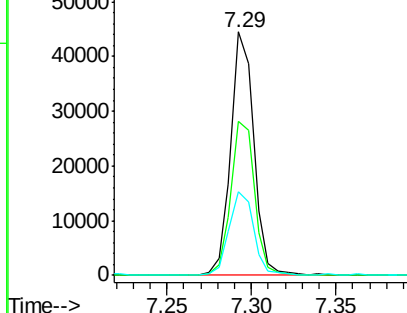
#29
 2,4-Dichlorophenol
 Concen: 3.86 ng
 RT: 7.29 min Scan# 919
 Delta R.T. -0.03 min
 Lab File: BF093921.D
 Acq: 24 Mar 2017 22:03

Instrument :
 BNA_F
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 E2-CC10-SSW

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.6	84.6
98	34.5	14.8	54.8

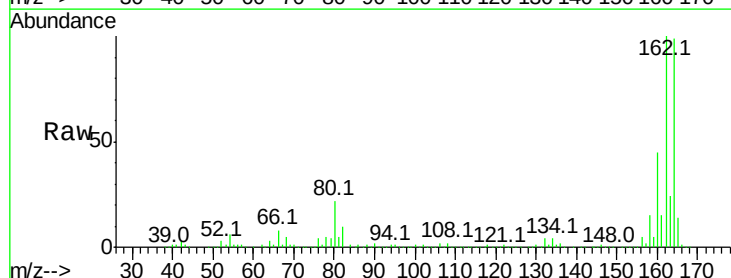


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

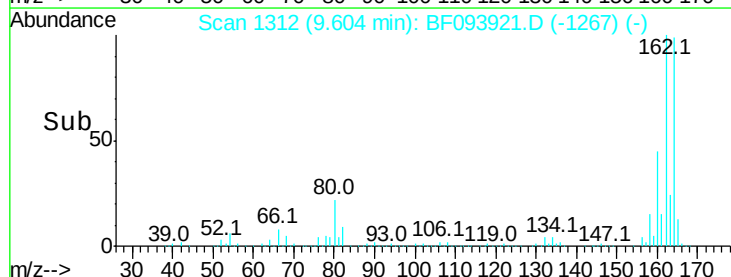
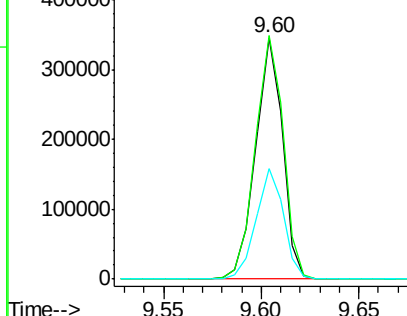


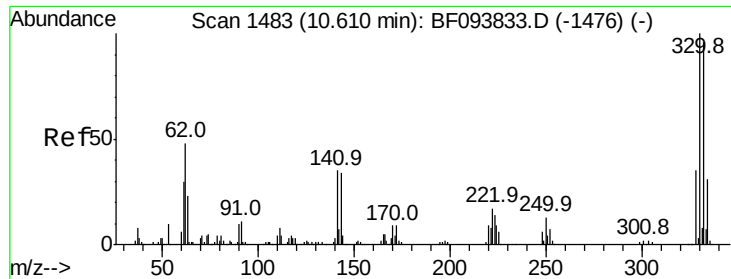
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.60 min Scan# 1312
 Delta R.T. -0.04 min
 Lab File: BF093921.D
 Acq: 24 Mar 2017 22:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.6	123.8
160	45.5	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

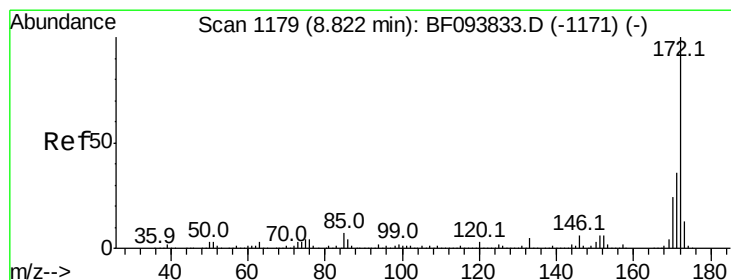
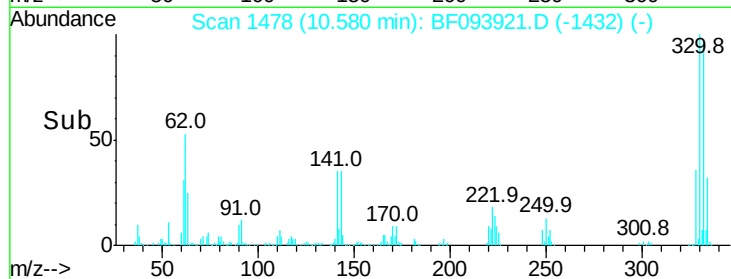
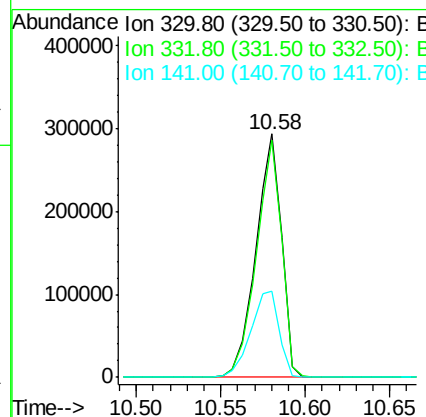
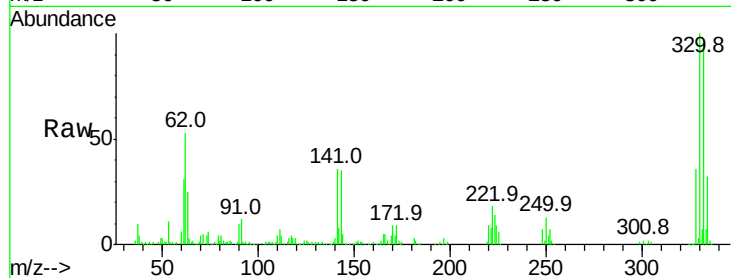




#41
 2,4,6-Tribromophenol
 Concen: 119.13 ng
 RT: 10.58 min Scan# 1478
 Delta R.T. -0.03 min
 Lab File: BF093921.D
 Acq: 24 Mar 2017 22:03

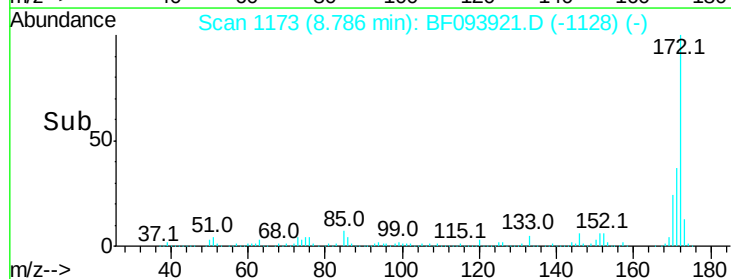
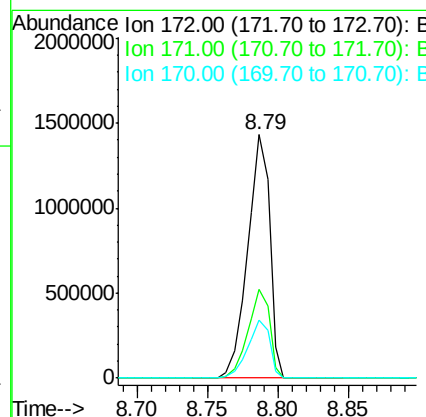
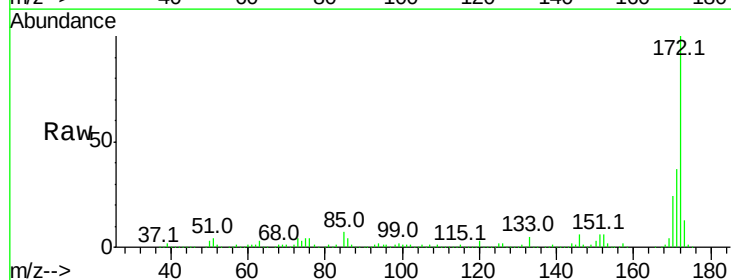
Instrument :
 BNA_F
 ClientSampleId :
 E2-CC10-SSW

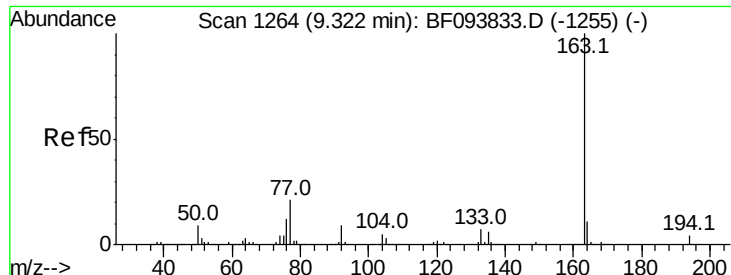
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	39.1	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 72.01 ng
 RT: 8.79 min Scan# 1173
 Delta R.T. -0.04 min
 Lab File: BF093921.D
 Acq: 24 Mar 2017 22:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	23.9	19.8	29.8

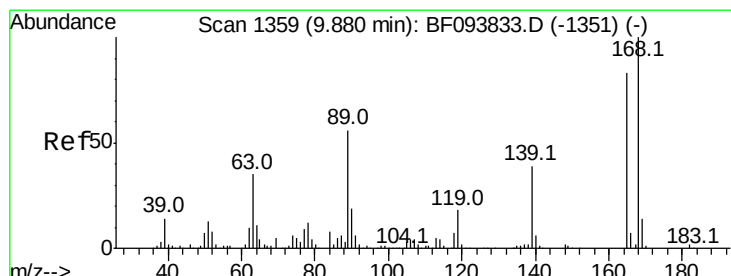
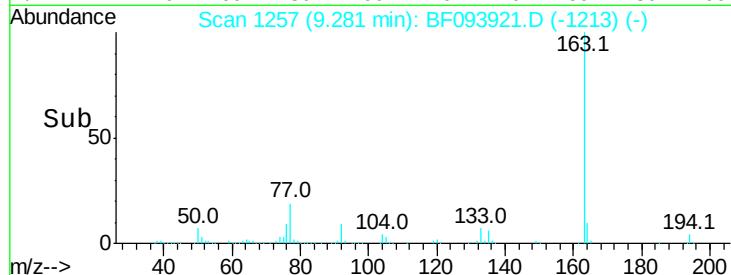
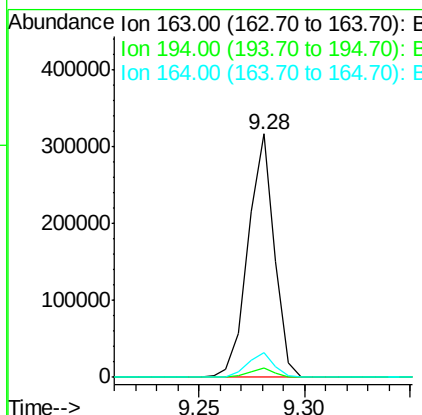
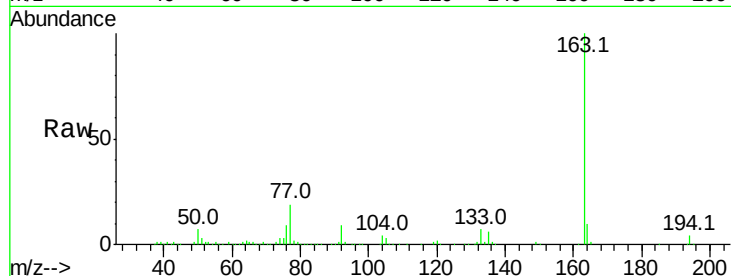




#49
Dimethylphthalate
Concen: 11.58 ng
RT: 9.28 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF093921.D
Acq: 24 Mar 2017 22:03

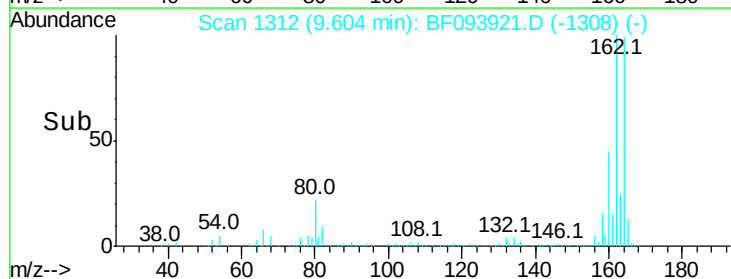
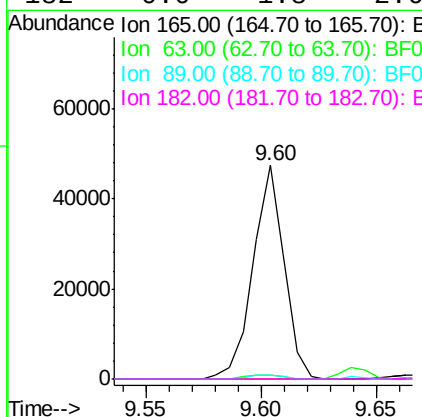
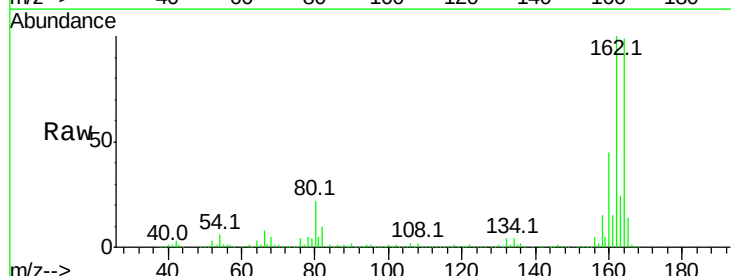
Instrument :
BNA_F
ClientSampleId :
E2-CC10-SSW

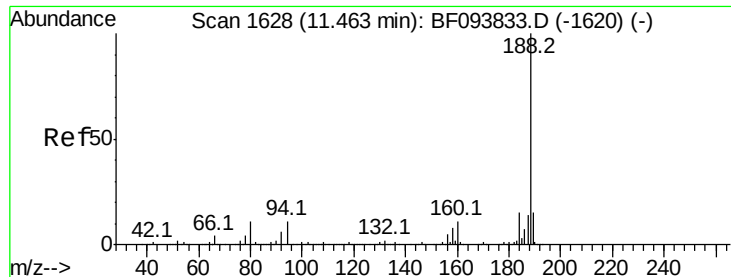
Tot Ion:163 Resp: 272209
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.2 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.58 ng
RT: 9.60 min Scan# 1312
Delta R.T. -0.28 min
Lab File: BF093921.D
Acq: 24 Mar 2017 22:03

Tgt Ion:165 Resp: 44518
Ion Ratio Lower Upper
165 100
63 1.8 25.4 38.0#
89 2.0 46.4 69.6#
182 0.0 1.8 2.6#

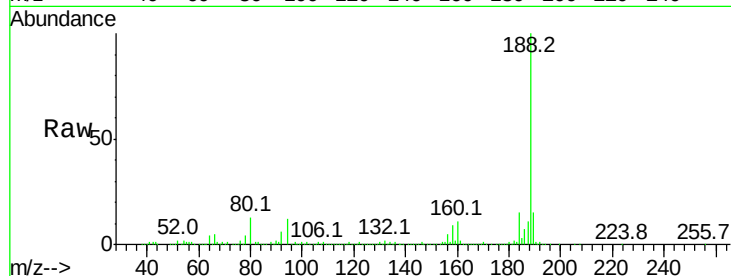




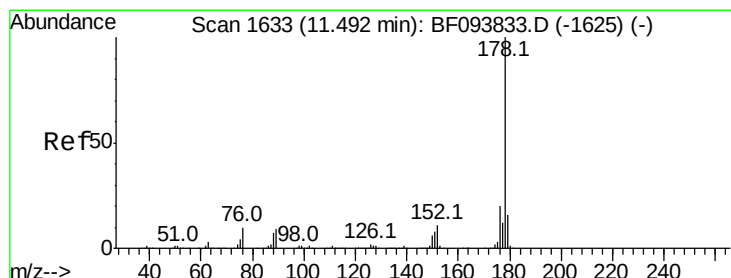
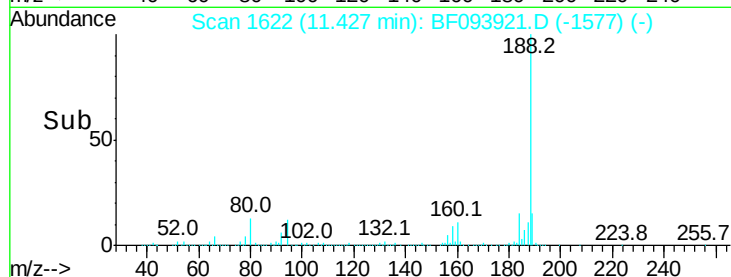
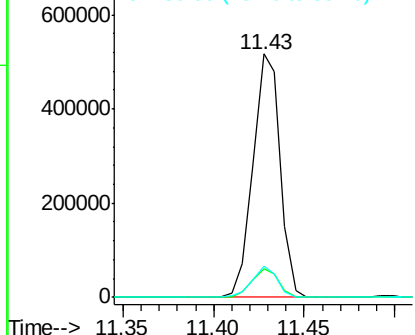
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1622
Delta R.T. -0.04 min
Lab File: BF093921.D
Acq: 24 Mar 2017 22:03

Instrument :
BNA_F
ClientSampleId :
E2-CC10-SSW

Tot Ion:188 Resp: 536762
Ion Ratio Lower Upper
188 100
94 11.9 9.4 14.2
80 12.7 10.2 15.2

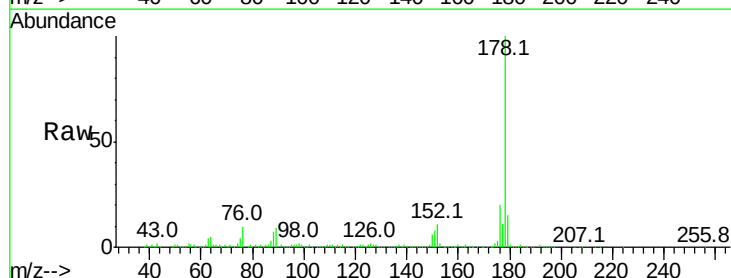


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

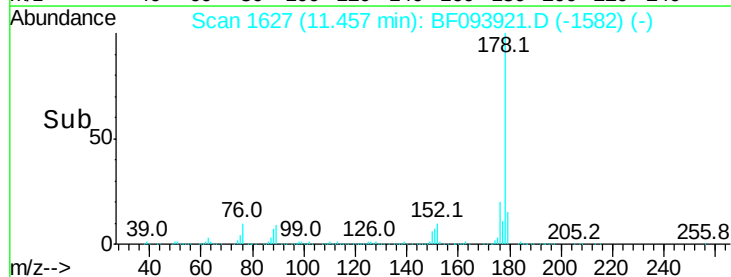
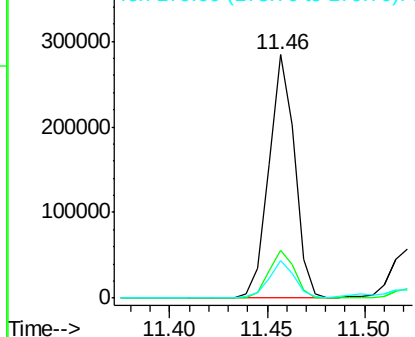


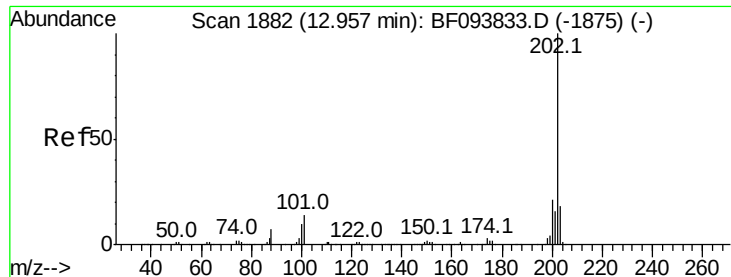
#70
Phenanthrene
Concen: 8.72 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.04 min
Lab File: BF093921.D
Acq: 24 Mar 2017 22:03

Tgt Ion:178 Resp: 260340
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.4 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





#74

Fluoranthene

Concen: 10.20 ng

RT: 12.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

Instrument :

BNA_F

ClientSampleId :

E2-CC10-SSW

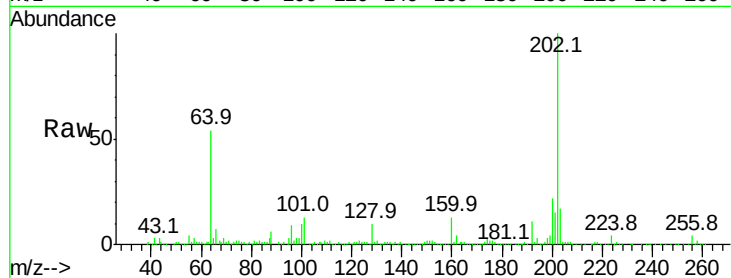
Tot Ion:202 Resp: 311877

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.2

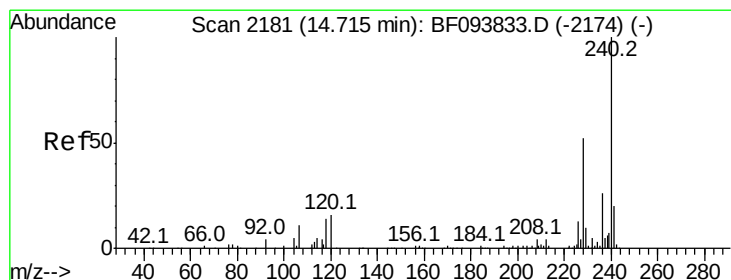
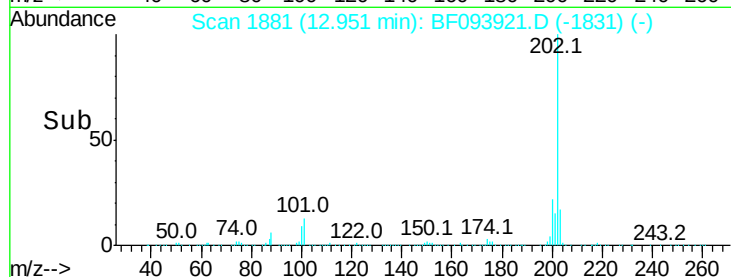
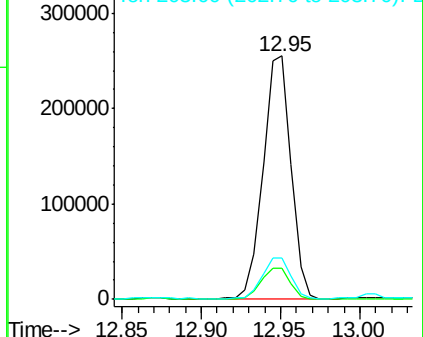
203 17.0 0.0 38.1



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: 14.68 min Scan# 2175

Delta R.T. -0.04 min

Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

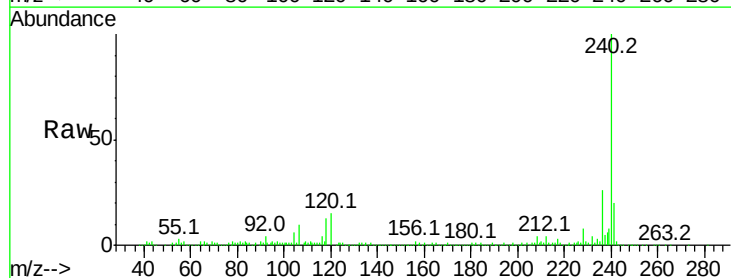
Tgt Ion:240 Resp: 343219

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

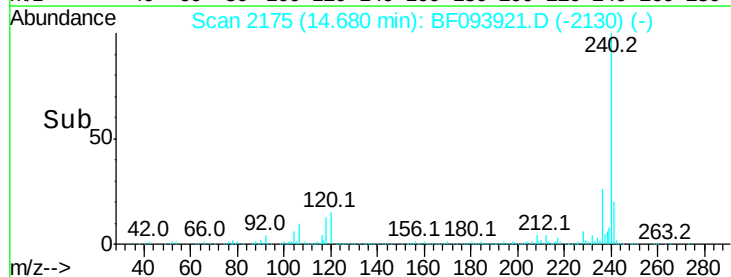
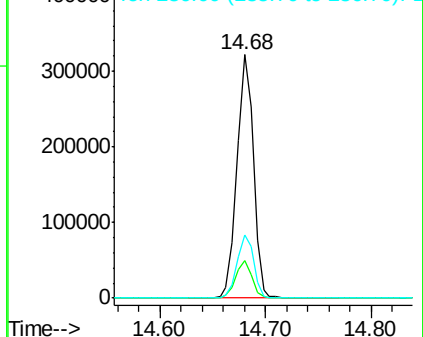
236 26.1 20.5 30.7

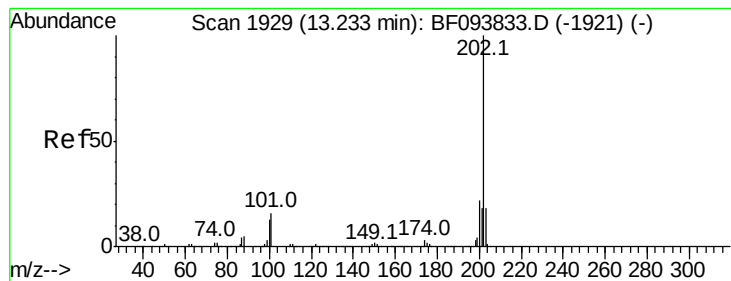


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.72 ng

RT: 13.20 min Scan# 1924

Delta R.T. -0.03 min

Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

Instrument :

BNA_F

ClientSampleId :

E2-CC10-SSW

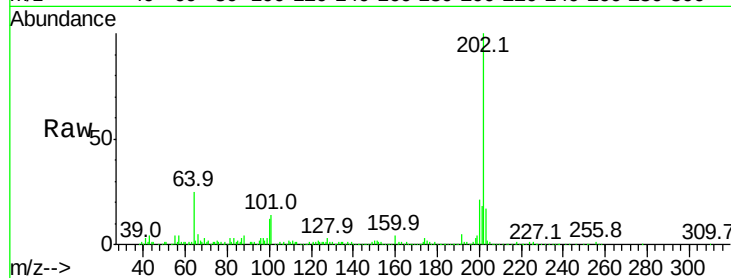
Tot Ion:202 Resp: 266963

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

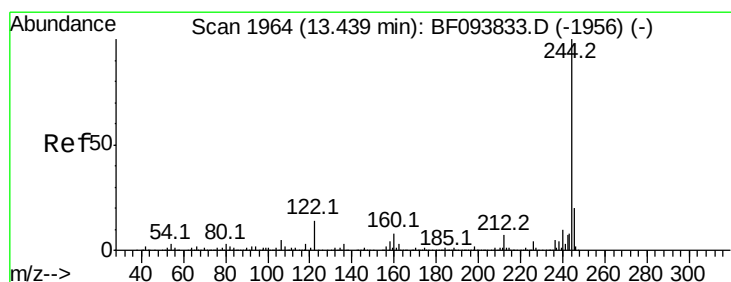
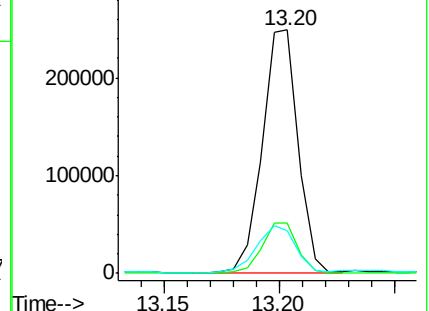
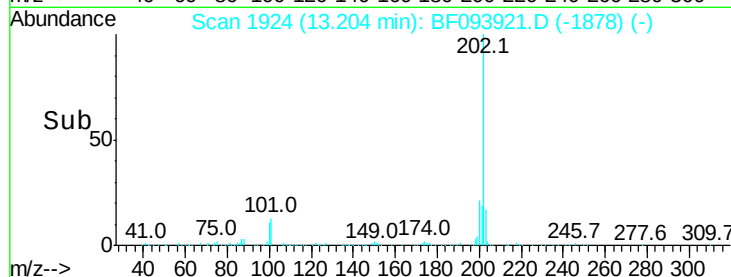
203 17.4 14.4 21.6



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: 63.74 ng

RT: 13.41 min Scan# 1959

Delta R.T. -0.03 min

Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

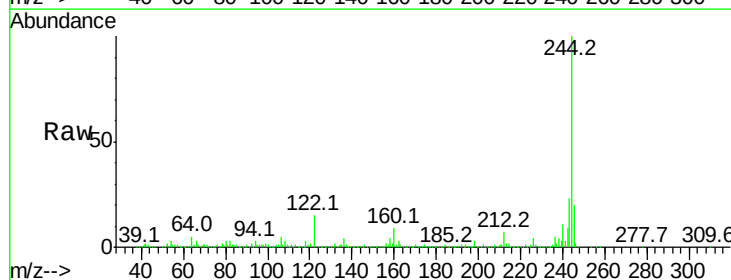
Tgt Ion:244 Resp: 975957

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

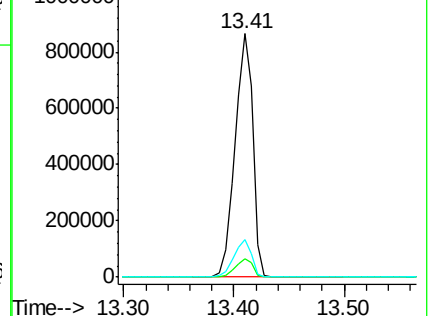
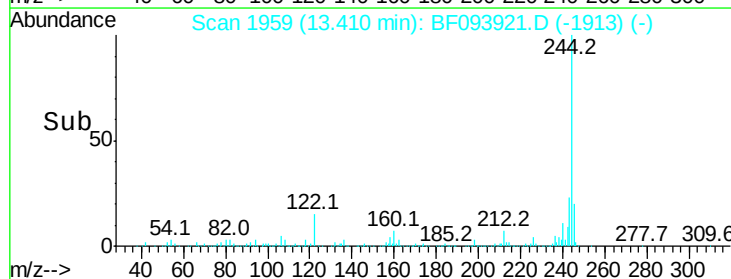
122 15.2 10.3 15.5

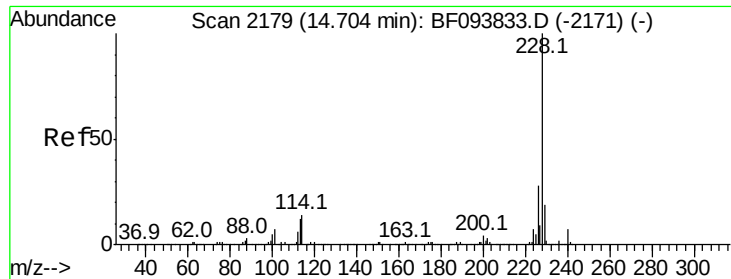


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

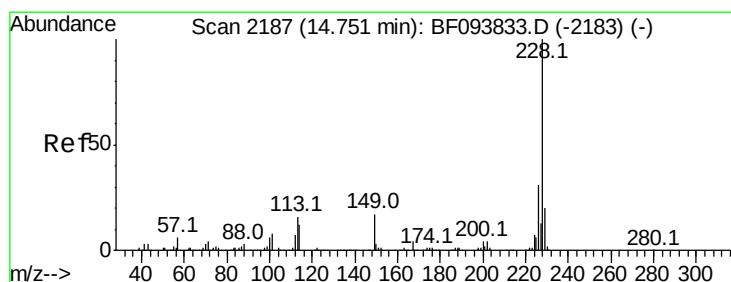
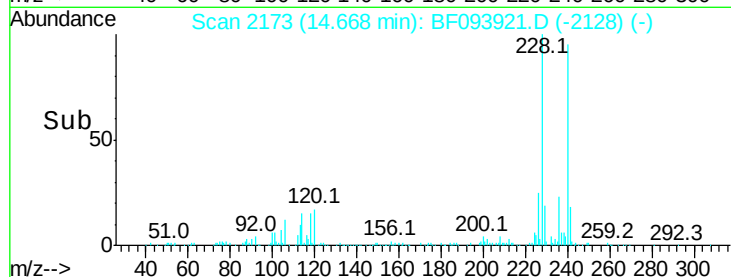
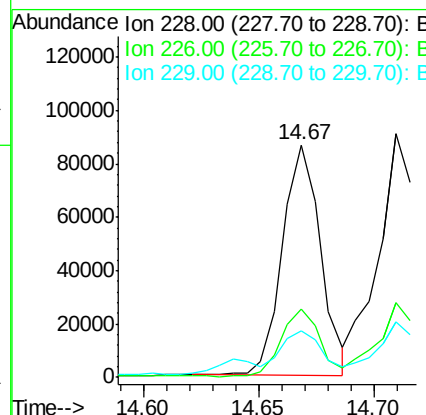
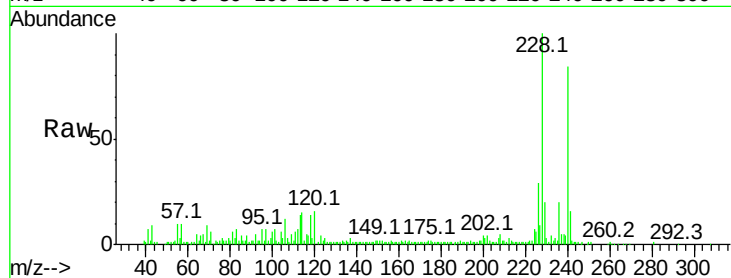




#80
Benzo(a)anthracene
Concen: 4.94 ng
RT: 14.67 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF093921.D
Acq: 24 Mar 2017 22:03

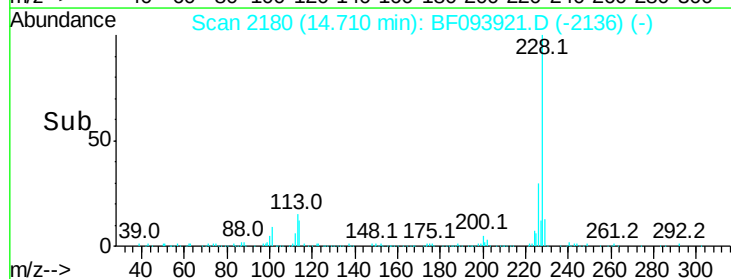
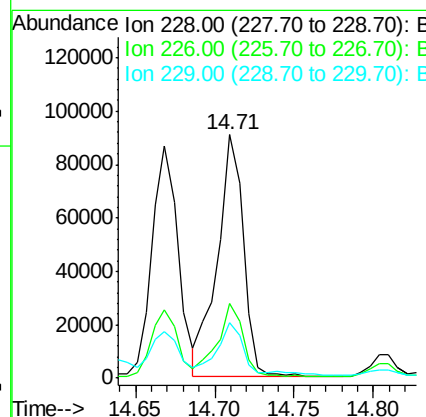
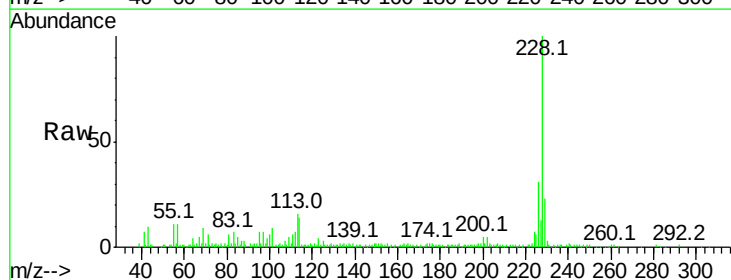
Instrument :
BNA_F
ClientSampleId :
E2-CC10-SSW

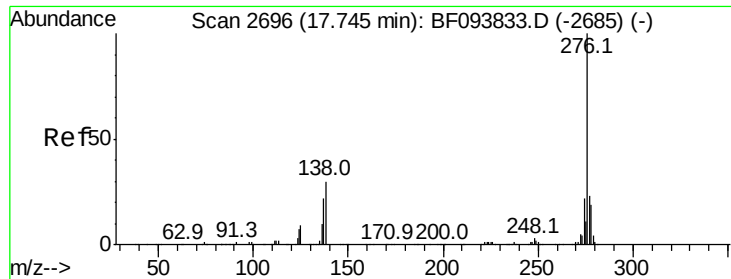
Tot Ion:228 Resp: 98774
Ion Ratio Lower Upper
228 100
226 29.2 22.6 33.8
229 20.0 16.3 24.5



#82
Chrysene
Concen: 5.62 ng
RT: 14.71 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BF093921.D
Acq: 24 Mar 2017 22:03

Tgt Ion:228 Resp: 104462
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 22.5 15.8 23.6

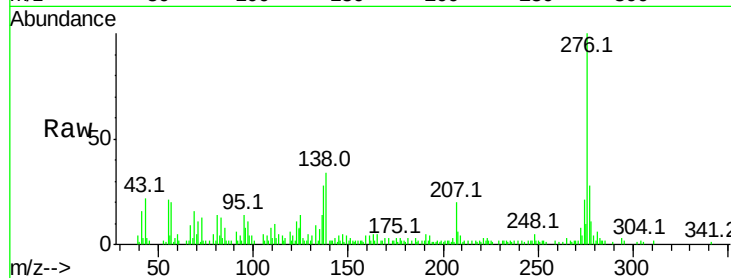




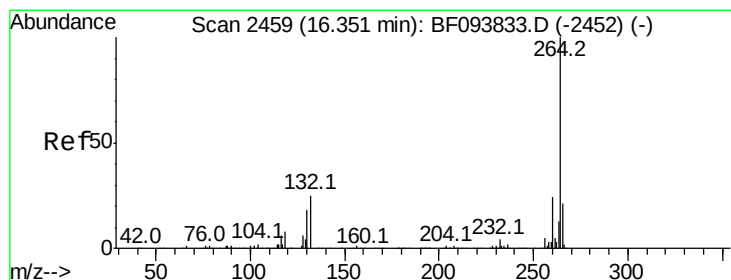
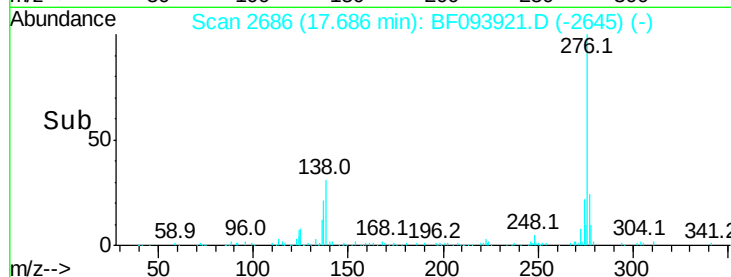
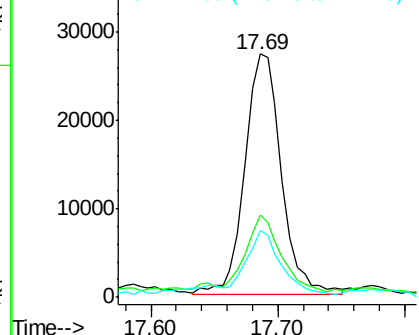
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.40 ng
 RT: 17.69 min Scan# 2686
 Delta R.T. -0.06 min
 Lab File: BF093921.D
 Acq: 24 Mar 2017 22:03

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC10-SSW

Tot Ion:276 Resp: 54727
 Ion Ratio Lower Upper
 276 100
 138 29.7 27.8 41.6
 277 27.7 20.2 30.4

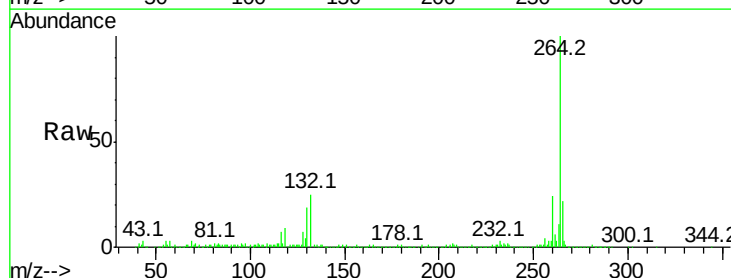


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

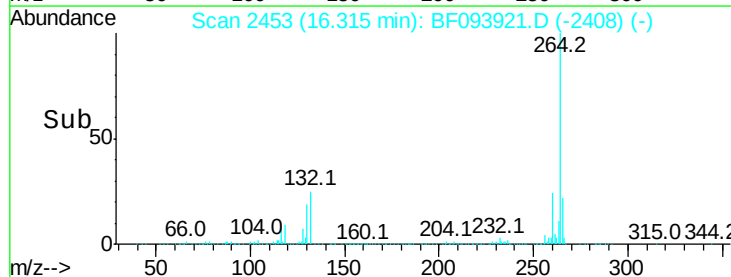
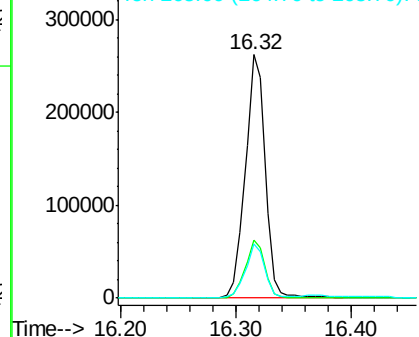


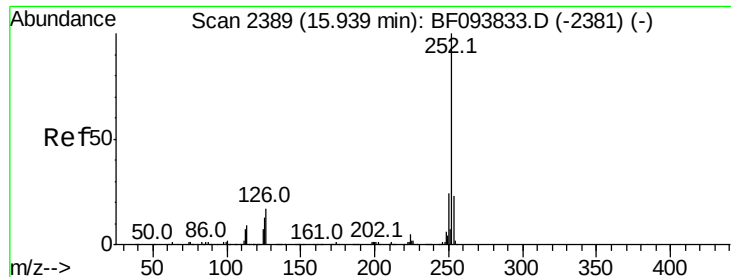
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.32 min Scan# 2453
 Delta R.T. -0.04 min
 Lab File: BF093921.D
 Acq: 24 Mar 2017 22:03

Tgt Ion:264 Resp: 313136
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.5 29.3
 265 22.2 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.42 ng

RT: 15.90 min Scan# 2383

Delta R.T. -0.04 min

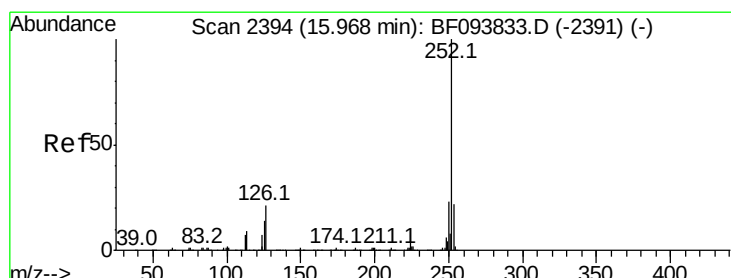
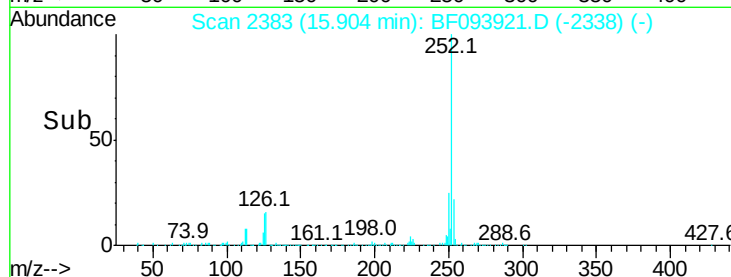
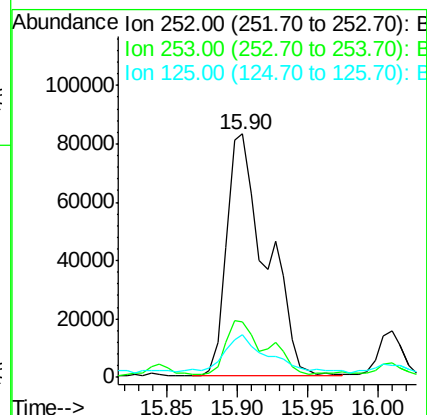
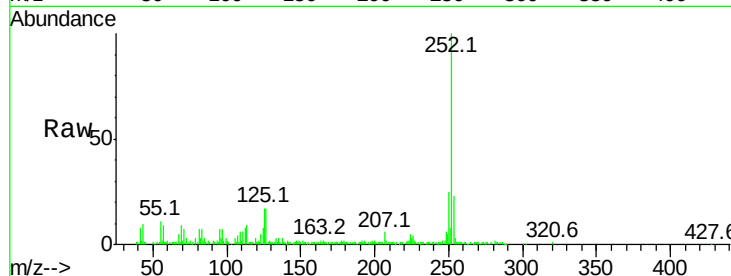
Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

Instrument :
BNA_F
ClientSampleId :
E2-CC10-SSW

Tot Ion:252 Resp: 161662

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	17.5	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 8.61 ng

RT: 15.90 min Scan# 2383

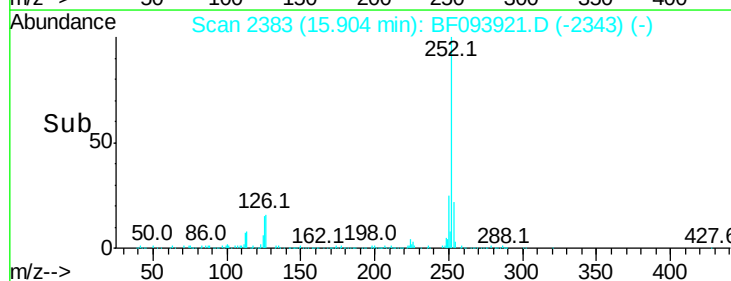
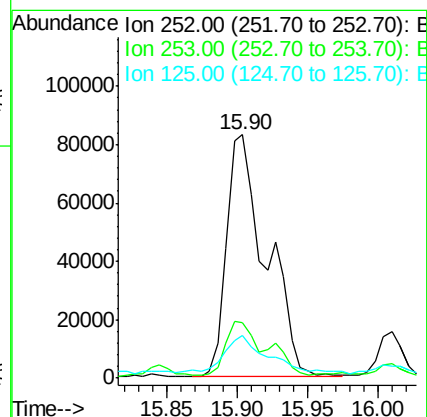
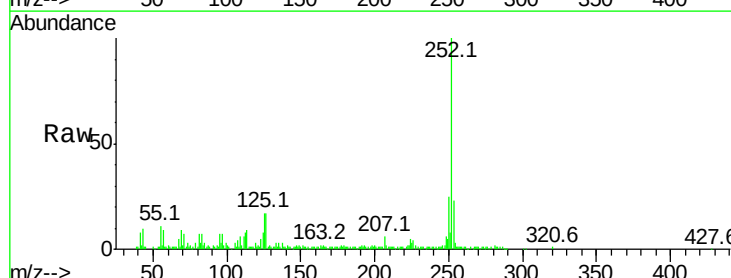
Delta R.T. -0.06 min

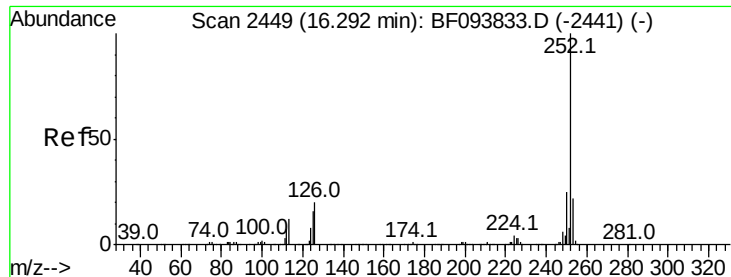
Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

Tgt Ion:252 Resp: 161662

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	17.5	13.1	19.7





#89

Benzo(a)pyrene

Concen: 4.94 ng

RT: 16.25 min Scan# 2442

Delta R.T. -0.04 min

Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

Instrument :

BNA_F

ClientSampleId :

E2-CC10-SSW

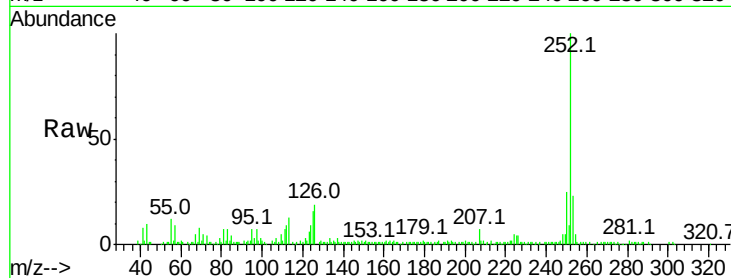
Tot Ion:252 Resp: 87254

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

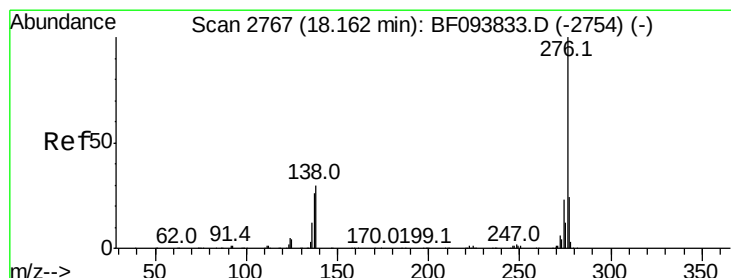
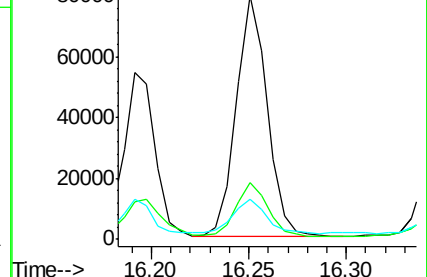
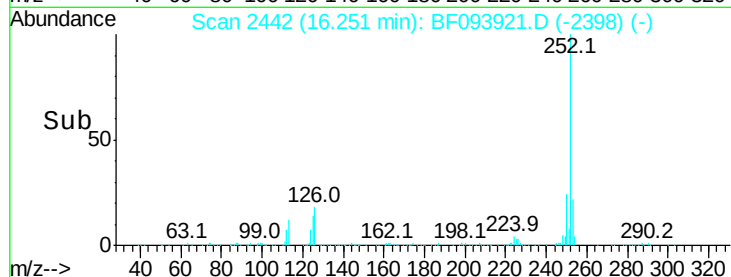
125 16.4 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.37 ng

RT: 18.09 min Scan# 2755

Delta R.T. -0.07 min

Lab File: BF093921.D

Acq: 24 Mar 2017 22:03

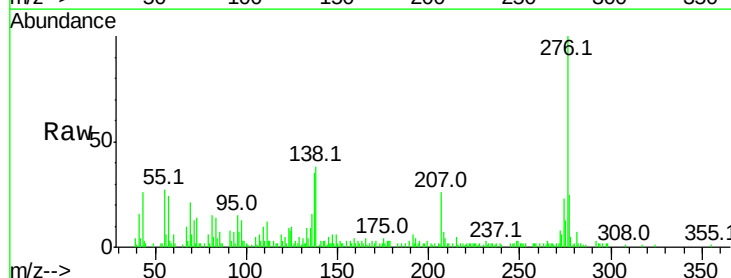
Tgt Ion:276 Resp: 50892

Ion Ratio Lower Upper

276 100

277 25.3 18.6 28.0

138 37.8 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

