

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093900.D
 Acq On : 24 Mar 2017 11:31
 Operator : SJ/MA
 Sample : I2367-22
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD10-ESW

Quant Time: Mar 24 23:01:33 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

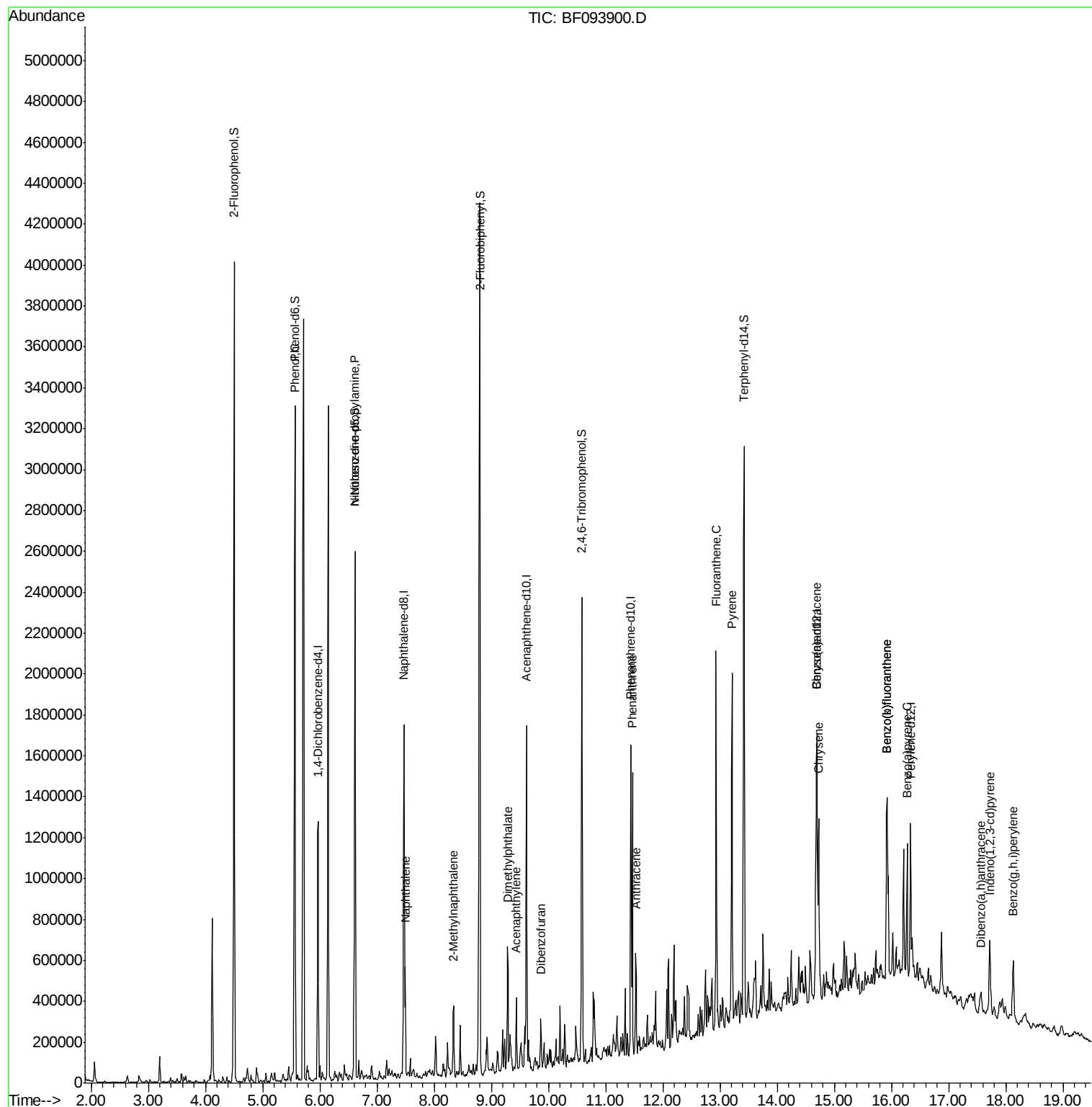
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.97	152	211405	20.00	ng	-0.02
21) Naphthalene-d8	7.47	136	855589	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	373637	20.00	ng	-0.02
63) Phenanthrene-d10	11.44	188	627152	20.00	ng	-0.02
75) Chrysene-d12	14.70	240	387951	20.00	ng	-0.02
86) Perylene-d12	16.34	264	343083	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	1242002	99.23	ng	0.00
7) Phenol-d6	5.56	99	1563559	100.98	ng	0.00
23) Nitrobenzene-d5	6.62	82	1036763	69.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	294506	99.75	ng	-0.02
44) 2-Fluorobiphenyl	8.80	172	1643847	67.11	ng	-0.02
78) Terphenyl-d14	13.42	244	1046685	60.47	ng	-0.02
Target Compounds						Qvalue
10) Phenol	5.57	94	75876	4.31	ng	95
19) n-Nitroso-di-n-propylamine	6.62	70	141979	14.27	ng	# 78
31) Naphthalene	7.50	128	231570	5.63	ng	98
37) 2-Methylnaphthalene	8.34	142	101655	3.71	ng	98
48) Acenaphthylene	9.44	152	151491	3.86	ng	99
49) Dimethylphthalate	9.29	163	256919	9.67	ng	99
54) Dibenzofuran	9.86	168	79007	2.54	ng	98
70) Phenanthrene	11.47	178	514048	14.73	ng	99
71) Anthracene	11.53	178	192355	5.35	ng	97
74) Fluoranthene	12.93	202	899381	25.18	ng	98
77) Pyrene	13.21	202	810780	28.80	ng	99
80) Benzo(a)anthracene	14.69	228	365056	16.14	ng	95
82) Chrysene	14.73	228	391971	18.67	ng	97
85) Indeno(1,2,3-cd)pyrene	17.72	276	228115	12.55	ng	96
87) Benzo(b)fluoranthene	15.92	252	684078	32.53	ng	# 97
88) Benzo(k)fluoranthene	15.92	252	684078	33.25	ng	99
89) Benzo(a)pyrene	16.27	252	297523	15.36	ng	98
90) Dibenzo(a,h)anthracene	17.56	278	58144	3.55	ng	93
91) Benzo(a,h,i)perylene	18.13	276	212508	12.86	ng	98

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

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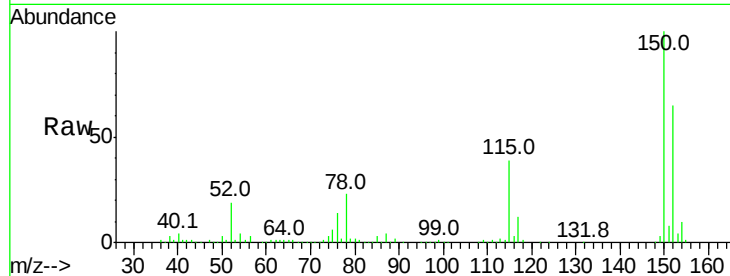


#1

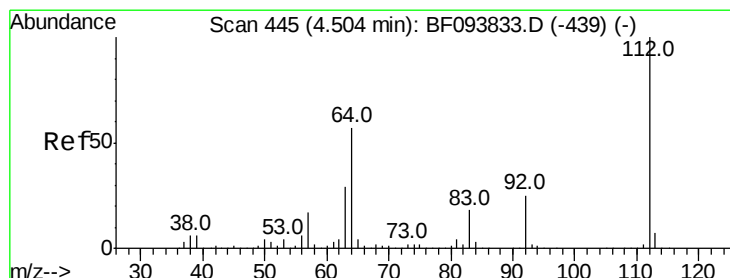
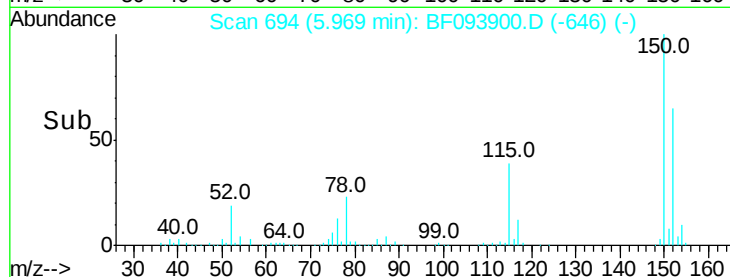
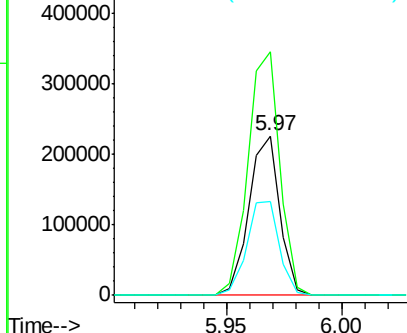
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.97 min Scan# 694
Delta R.T. -0.02 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

Instrument :
BNA_F
ClientSampleId :
E2-DD10-ESW

Tot Ion:152 Resp: 211405
Ion Ratio Lower Upper
152 100
150 152.9 126.2 189.2
115 59.3 52.2 78.2



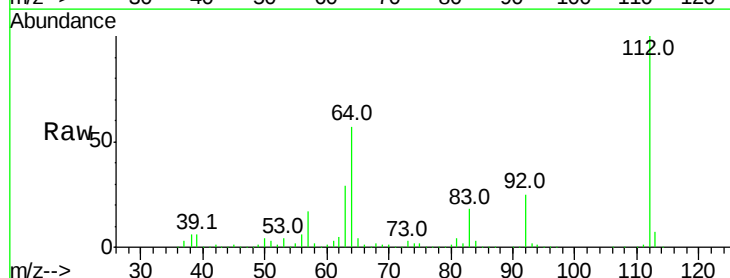
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



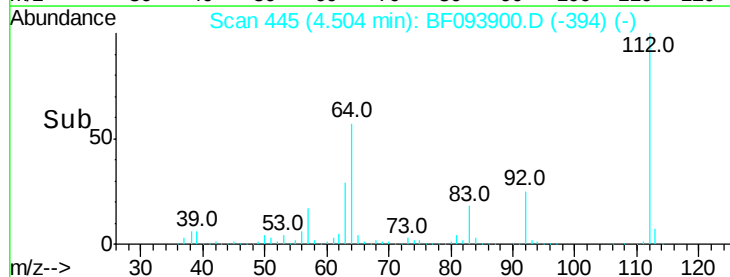
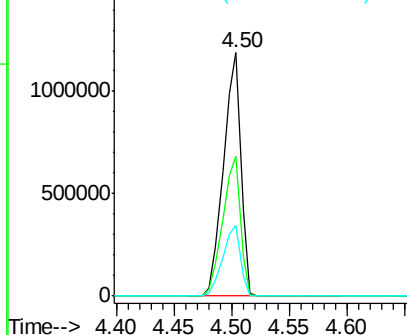
#5

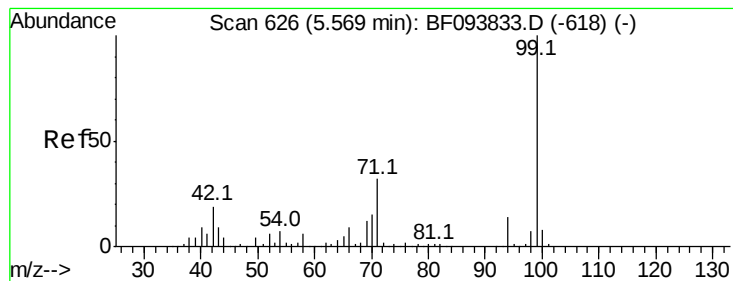
2-Fluorophenol
Concen: 99.23 ng
RT: 4.50 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

Tgt Ion:112 Resp: 1242002
Ion Ratio Lower Upper
112 100
64 57.3 46.0 69.0
63 29.2 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: 100.98 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

Instrument :

BNA_F

ClientSampleId :

E2-DD10-ESW

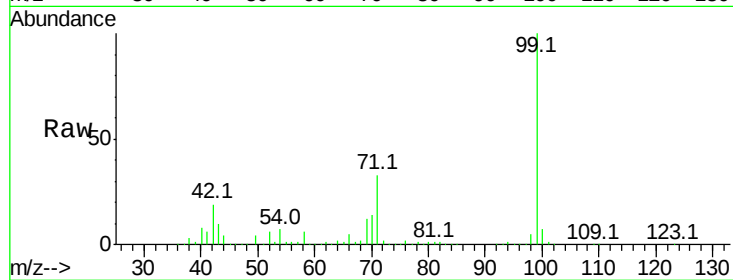
Tot Ion: 99 Resp: 1563559

Ion Ratio Lower Upper

99 100

42 18.6 13.5 20.3

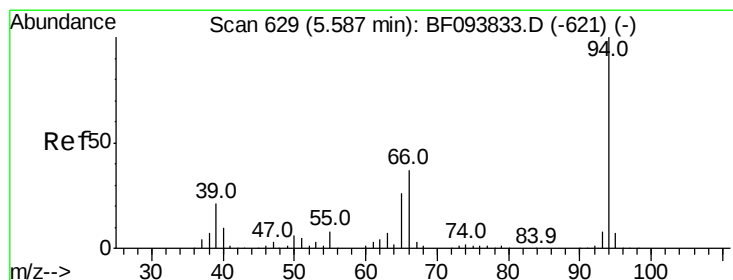
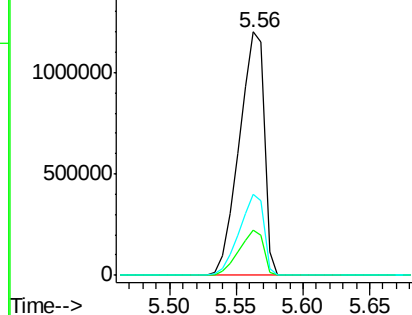
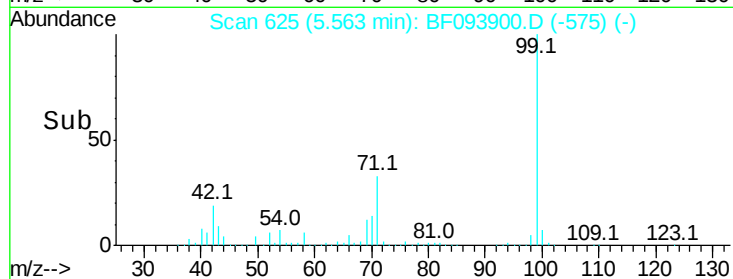
71 33.5 24.5 36.7



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: 4.31 ng

RT: 5.57 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

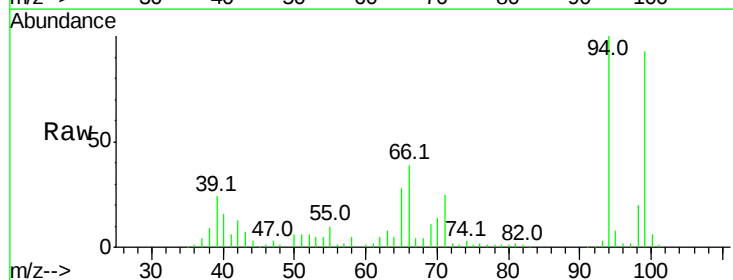
Tgt Ion: 94 Resp: 75876

Ion Ratio Lower Upper

94 100

65 28.1 9.9 49.9

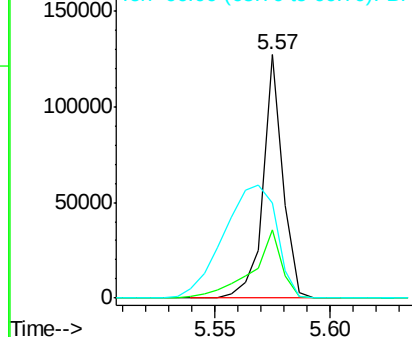
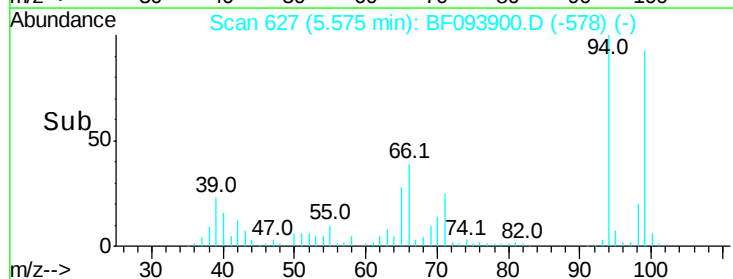
66 39.3 23.1 63.1

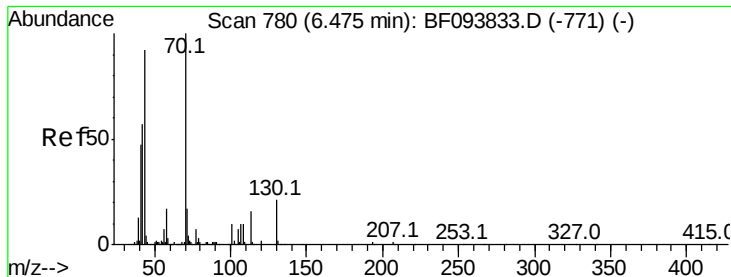


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

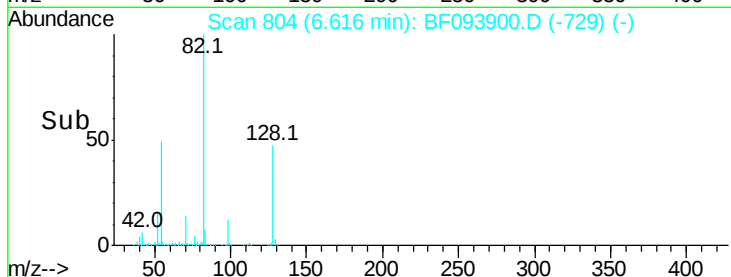
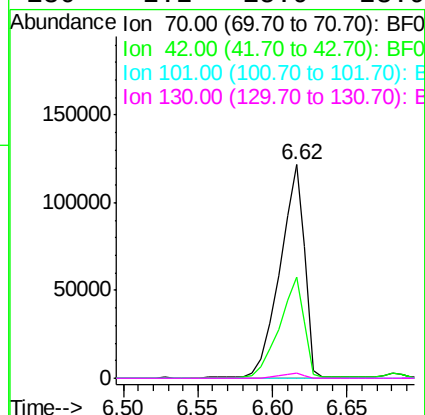
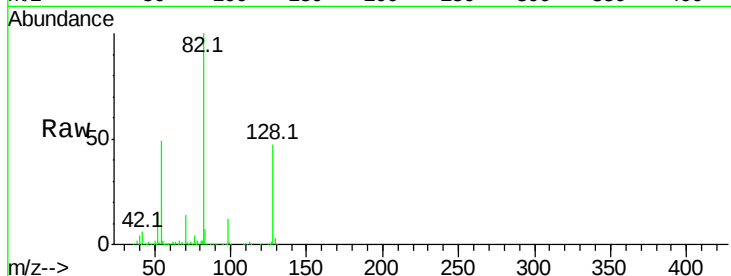




#19
n-Nitroso-di-n-propylamine
Concen: 14.27 ng
RT: 6.62 min Scan# 804
Delta R.T. 0.14 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

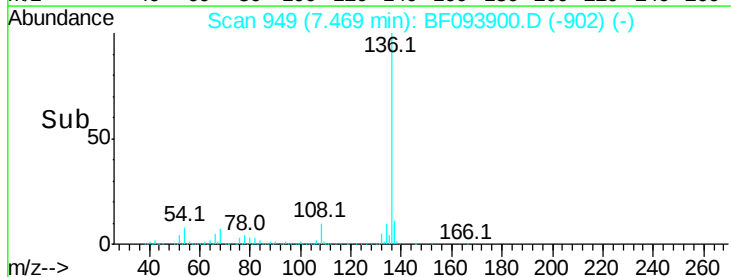
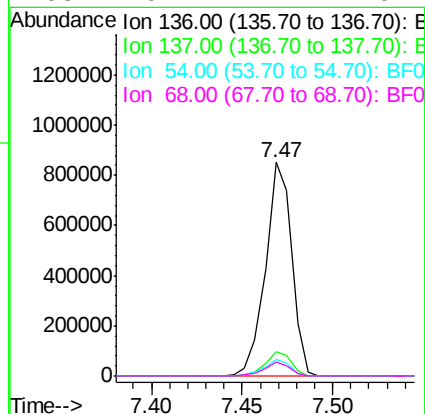
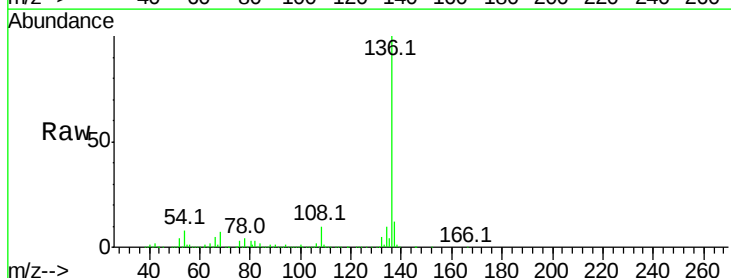
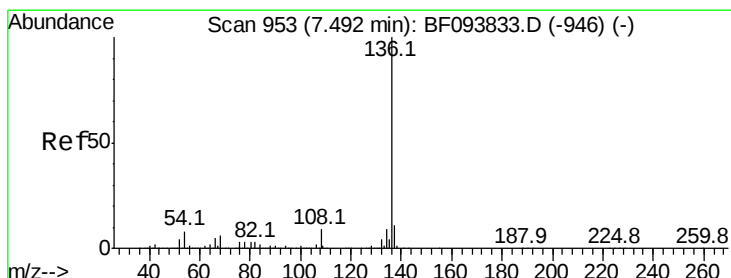
Instrument :
BNA_F
ClientSampleId :
E2-DD10-ESW

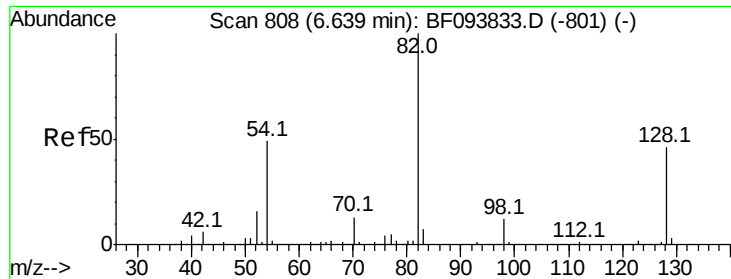
Tot Ion: 70 Resp: 141979
Ion Ratio Lower Upper
70 100
42 47.6 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.47 min Scan# 949
Delta R.T. -0.02 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

Tgt Ion: 136 Resp: 855589
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 8.0 4.9 7.3#
68 6.7 4.1 6.1#

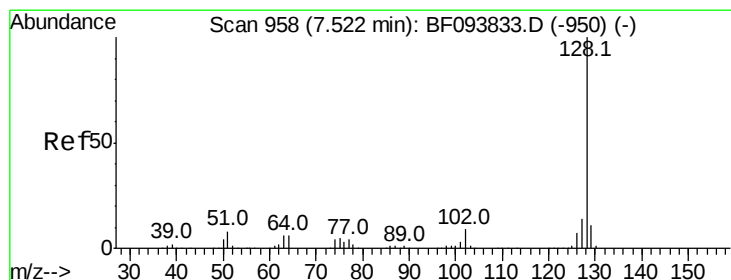
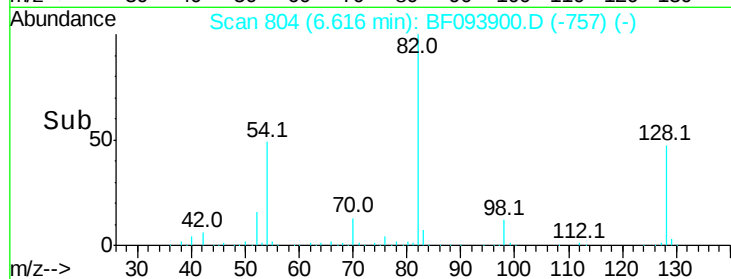
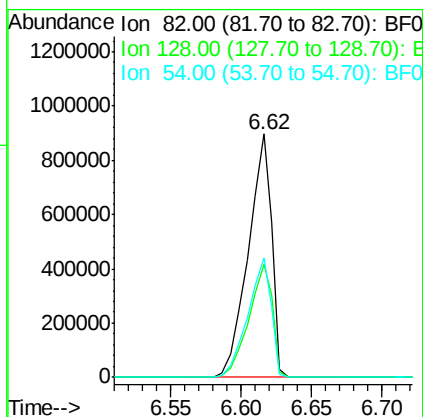
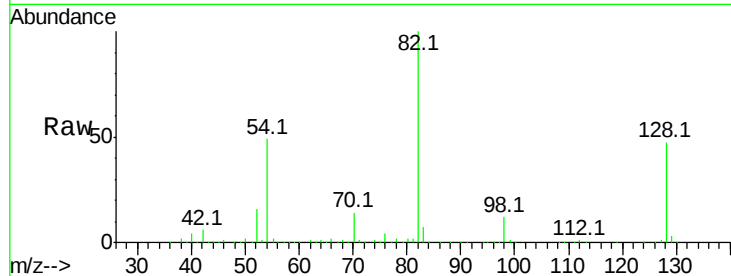




#23
Nitrobenzene-d5
Concen: 69.15 ng
RT: 6.62 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

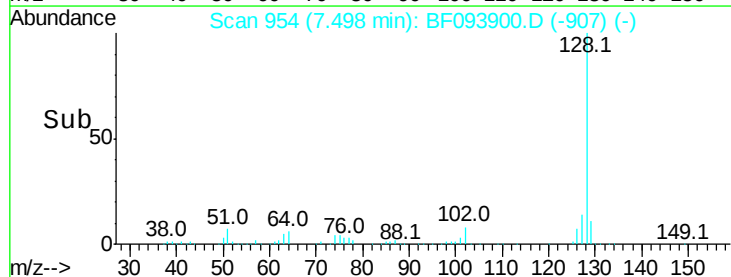
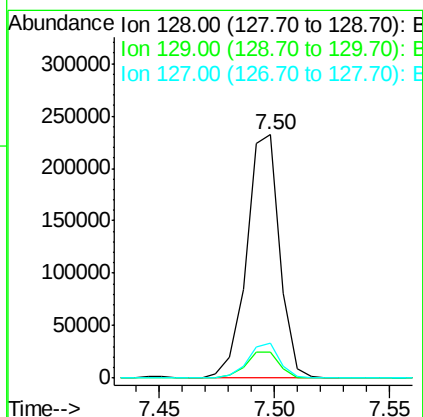
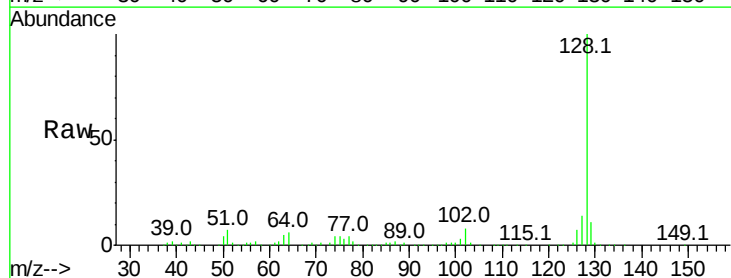
Instrument :
BNA_F
ClientSampleId :
E2-DD10-ESW

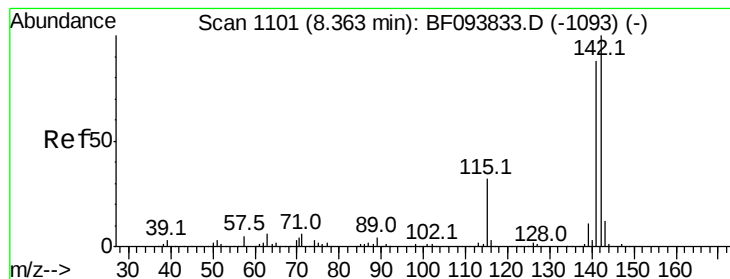
Tot Ion: 82 Resp: 1036763
Ion Ratio Lower Upper
82 100
128 46.6 34.0 51.0
54 49.2 42.2 63.2



#31
Naphthalene
Concen: 5.63 ng
RT: 7.50 min Scan# 954
Delta R.T. -0.02 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

Tgt Ion: 128 Resp: 231570
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 14.2 10.8 16.2





#37

2-Methylnaphthalene

Concen: 3.71 ng

RT: 8.34 min Scan# 1097

Delta R.T. -0.02 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

Instrument :

BNA_F

ClientSampled :

E2-DD10-ESW

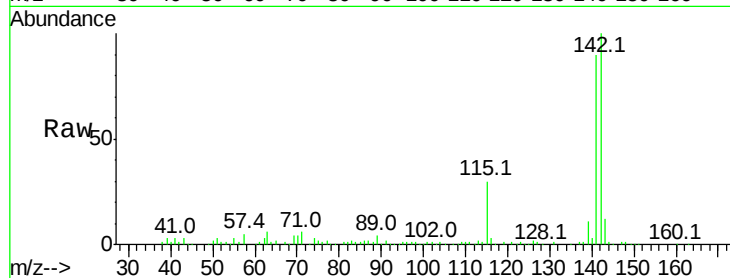
Tot Ion:142 Resp: 101655

Ion Ratio Lower Upper

142 100

141 89.9 71.3 106.9

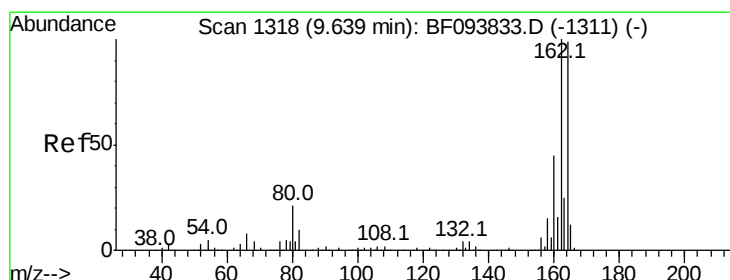
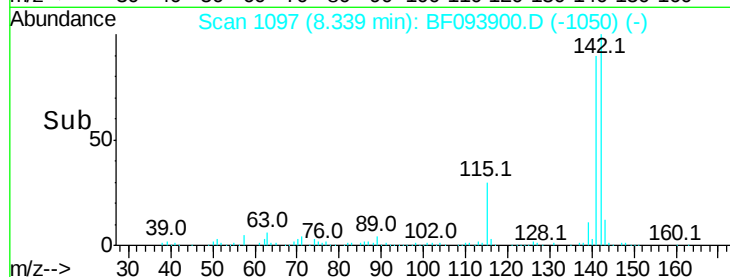
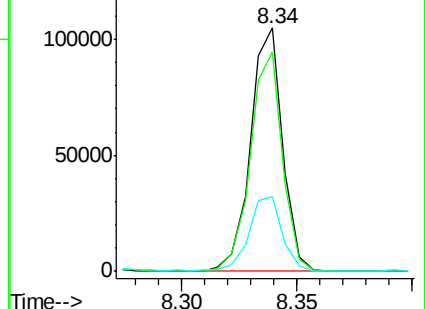
115 30.5 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

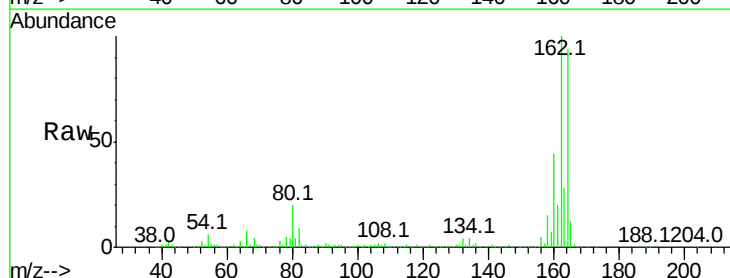
Tgt Ion:164 Resp: 373637

Ion Ratio Lower Upper

164 100

162 105.9 82.6 123.8

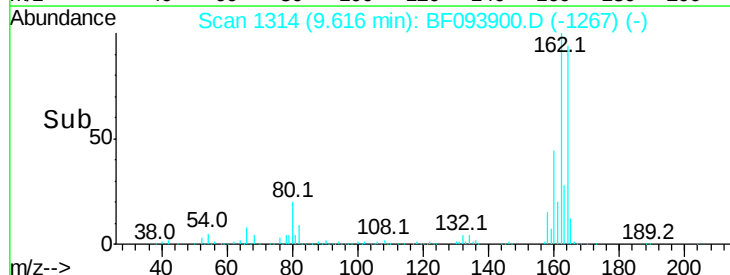
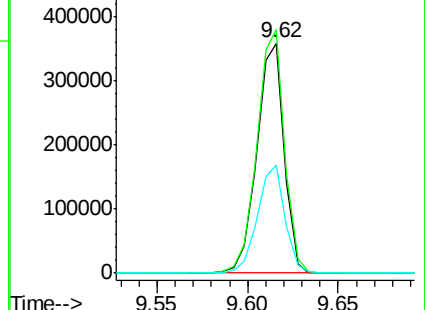
160 46.9 36.2 54.2

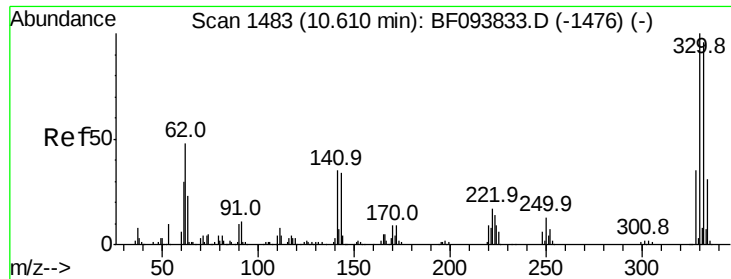


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

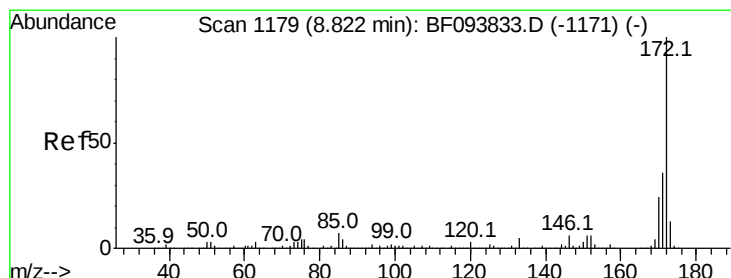
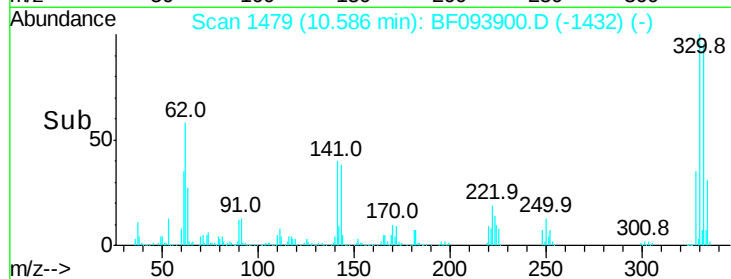
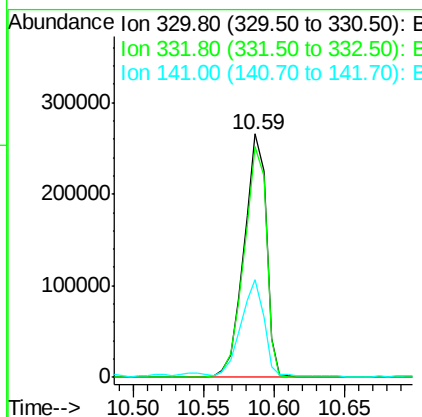
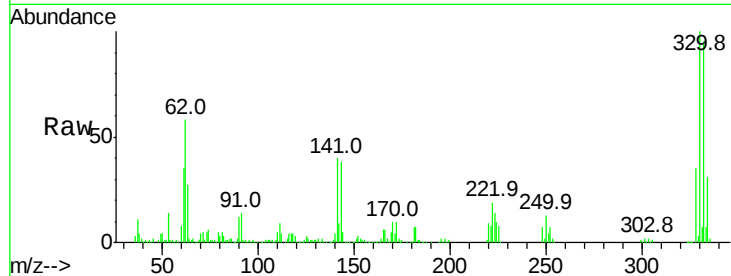




#41
 2,4,6-Tribromophenol
 Concen: 99.75 ng
 RT: 10.59 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: BF093900.D
 Acq: 24 Mar 2017 11:31

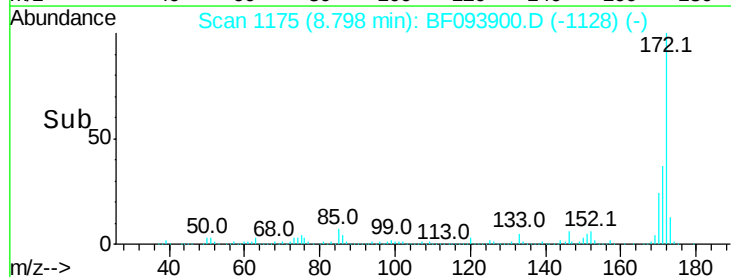
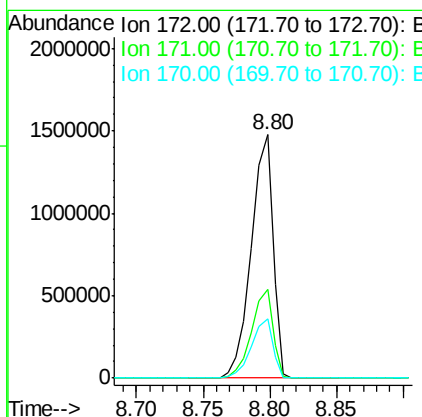
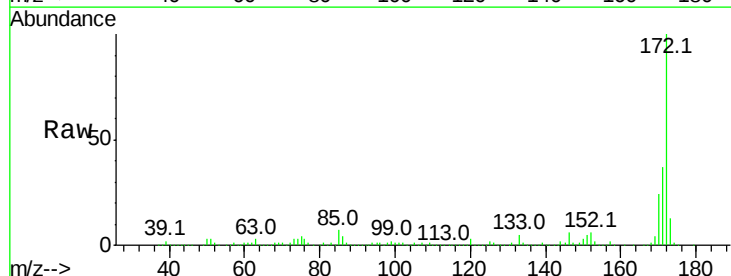
Instrument :
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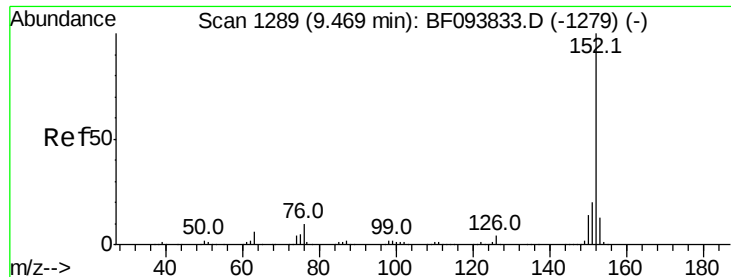
Tot Ion:330 Resp: 294506
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.6 115.0
 141 40.2 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 67.11 ng
 RT: 8.80 min Scan# 1175
 Delta R.T. -0.02 min
 Lab File: BF093900.D
 Acq: 24 Mar 2017 11:31

Tgt Ion:172 Resp: 1643847
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.3 19.8 29.8





#48

Acenaphthylene

Concen: 3.86 ng

RT: 9.44 min Scan# 1284

Delta R.T. -0.03 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

Instrument :

BNA_F

ClientSampleId :

E2-DD10-ESW

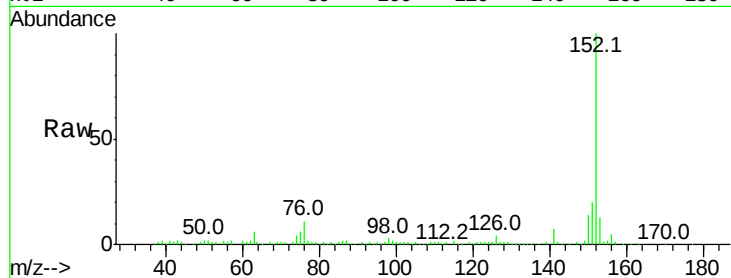
Tot Ion:152 Resp: 151491

Ion Ratio Lower Upper

152 100

151 20.4 16.8 25.2

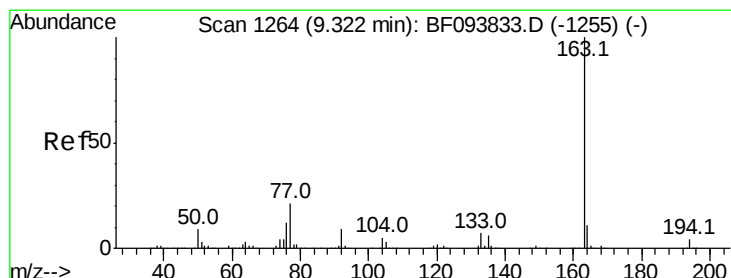
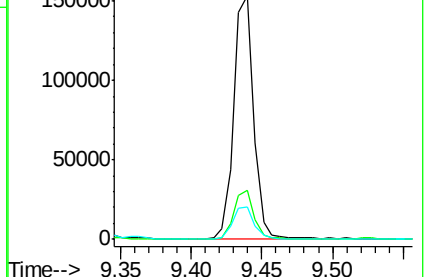
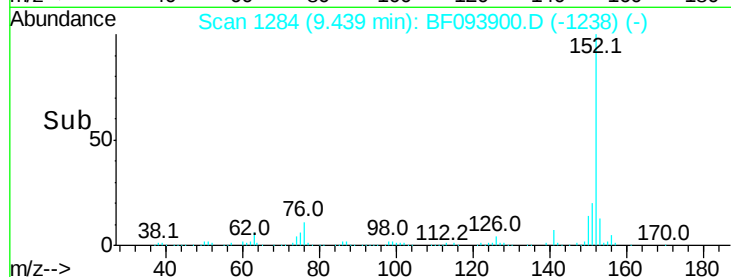
153 13.3 10.8 16.2



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



#49

Dimethylphthalate

Concen: 9.67 ng

RT: 9.29 min Scan# 1258

Delta R.T. -0.04 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

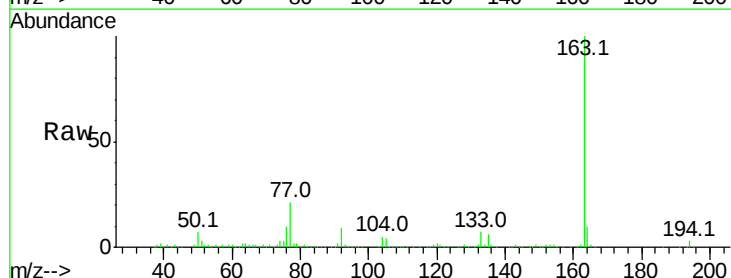
Tgt Ion:163 Resp: 256919

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

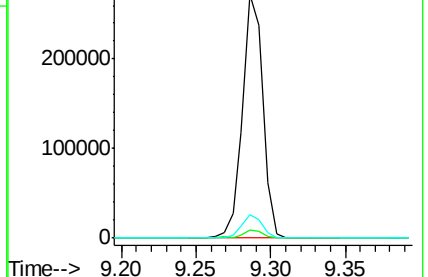
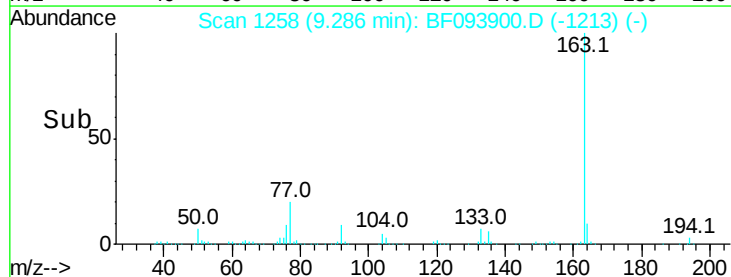
164 9.8 8.4 12.6

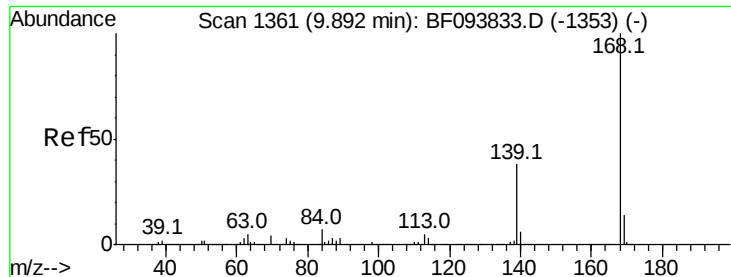


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

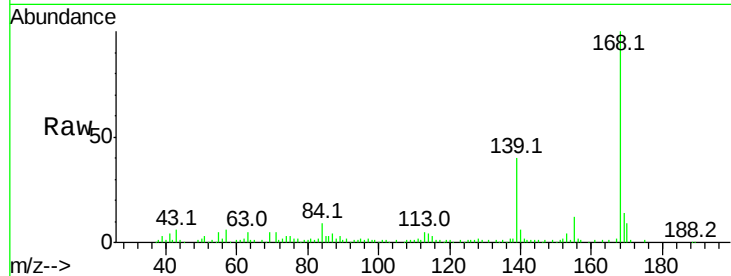




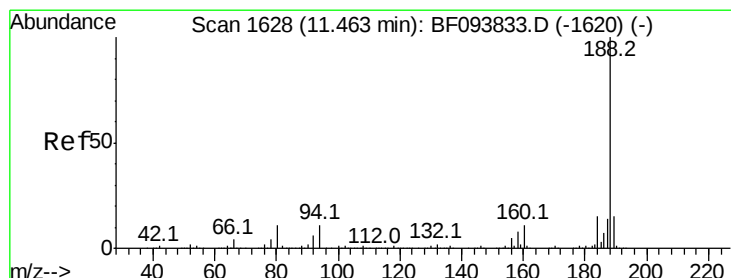
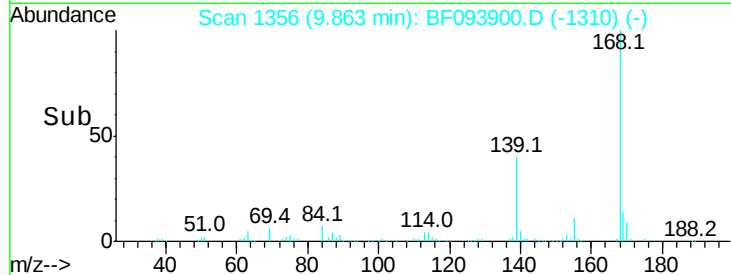
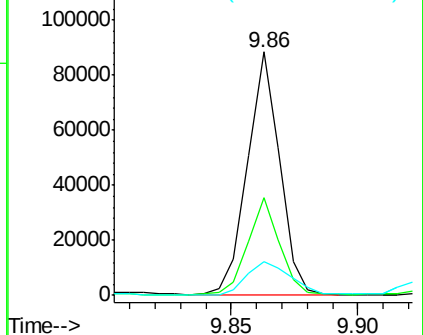
#54
Dibenzofuran
Concen: 2.54 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.03 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

Instrument :
BNA_F
ClientSampleId :
E2-DD10-ESW

Tot Ion:168 Resp: 79007
Ion Ratio Lower Upper
168 100
139 39.9 30.6 45.8
169 13.9 10.8 16.2

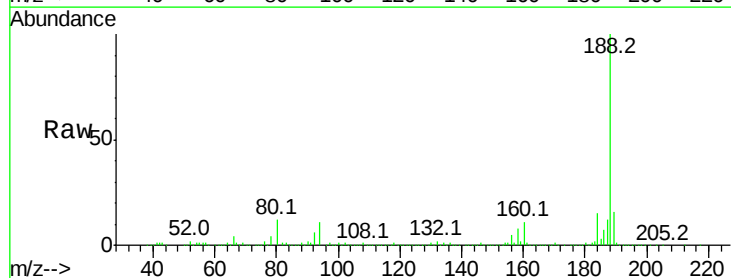


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

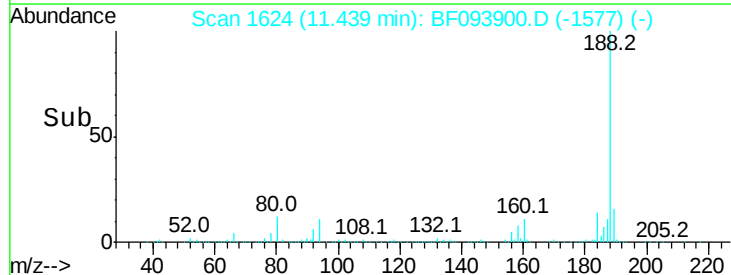
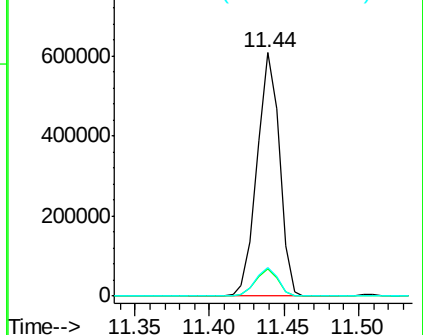


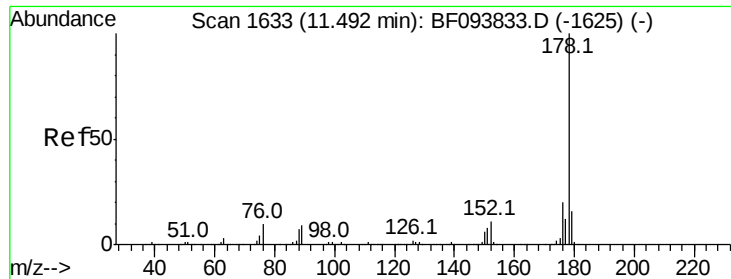
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1624
Delta R.T. -0.02 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

Tgt Ion:188 Resp: 627152
Ion Ratio Lower Upper
188 100
94 11.1 9.4 14.2
80 12.0 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: 14.73 ng

RT: 11.47 min Scan# 1629

Delta R.T. -0.02 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

Instrument :

BNA_F

ClientSampleId :

E2-DD10-ESW

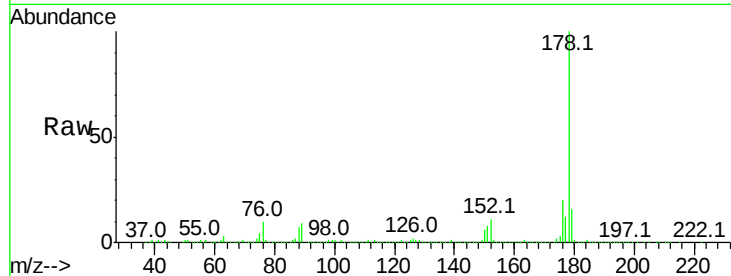
Tot Ion:178 Resp: 514048

Ion Ratio Lower Upper

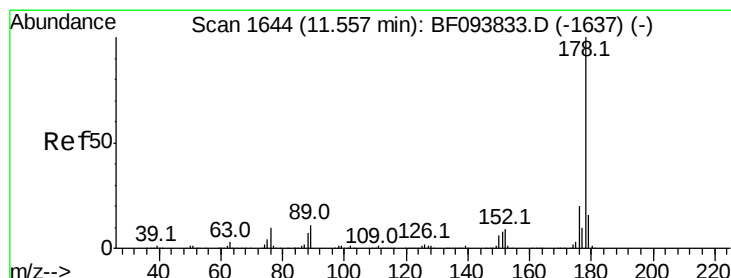
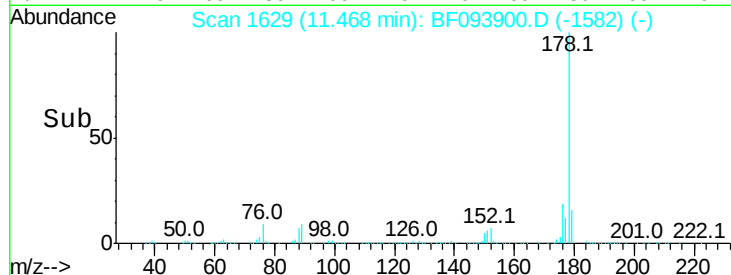
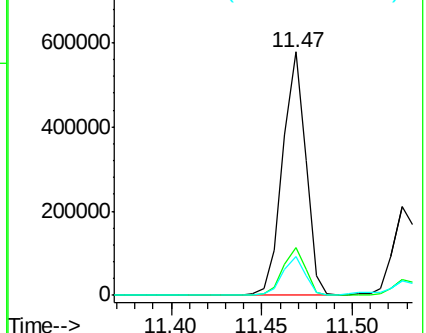
178 100

176 19.6 16.2 24.4

179 16.0 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: 5.35 ng

RT: 11.53 min Scan# 1639

Delta R.T. -0.03 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

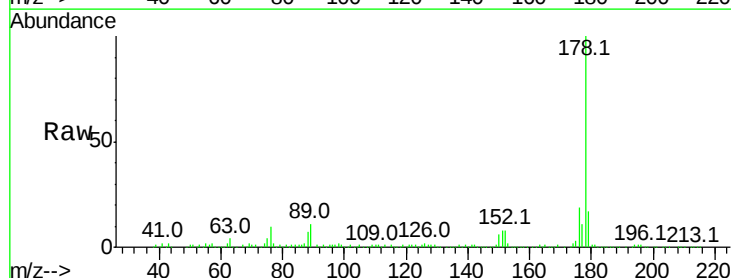
Tgt Ion:178 Resp: 192355

Ion Ratio Lower Upper

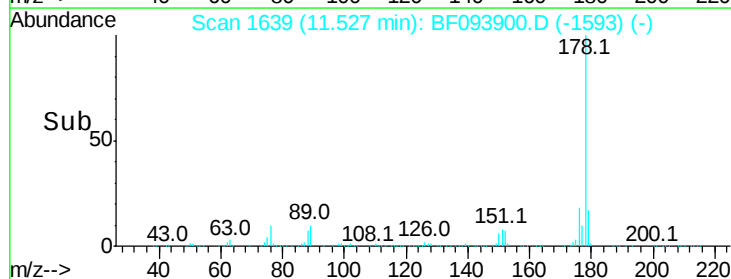
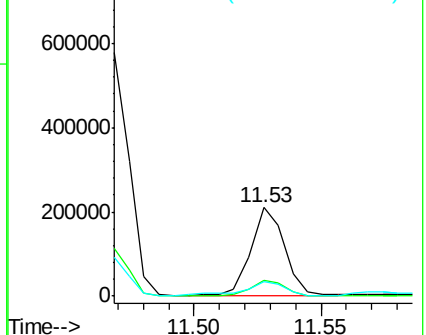
178 100

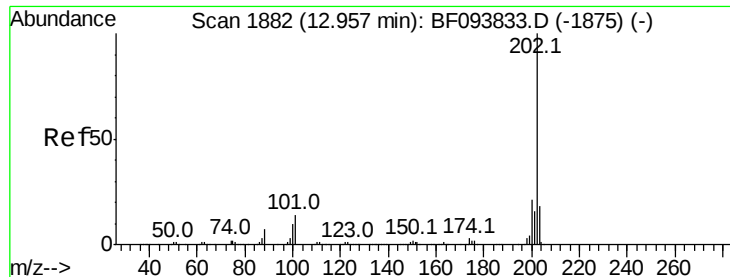
176 18.6 15.8 23.8

179 16.9 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: 25.18 ng

RT: 12.93 min Scan# 1878

Delta R.T. -0.02 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

Instrument :

BNA_F

ClientSampleId :

E2-DD10-ESW

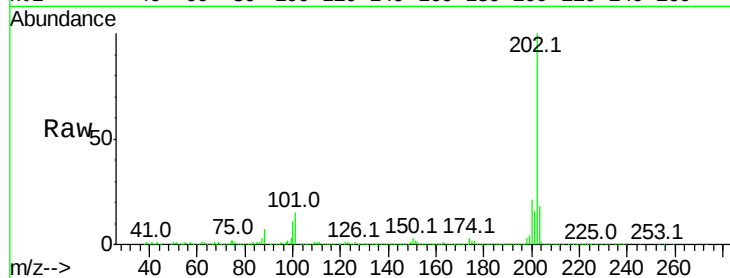
Tot Ion:202 Resp: 899381

Ion Ratio Lower Upper

202 100

101 14.8 0.0 33.2

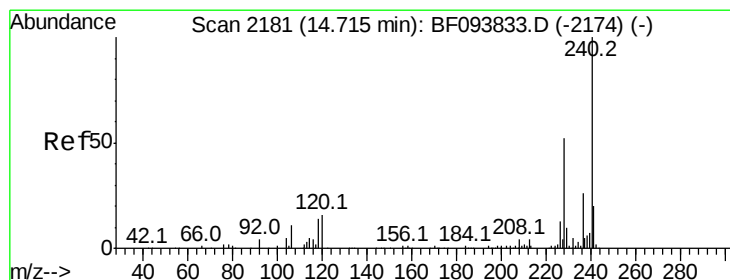
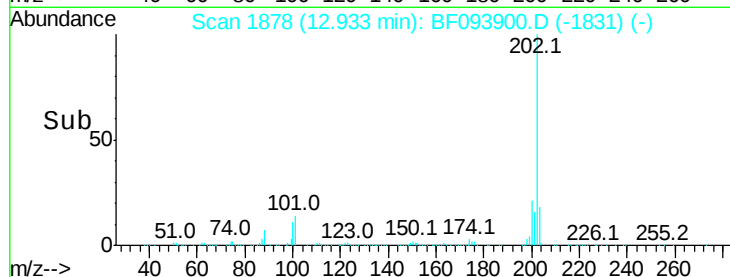
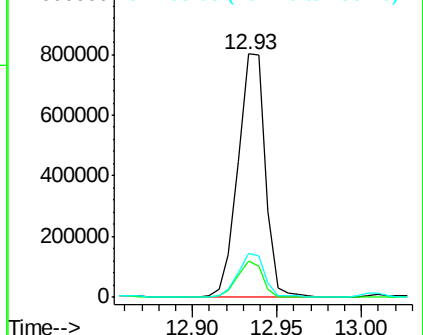
203 17.8 0.0 38.1



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: 14.70 min Scan# 2178

Delta R.T. -0.02 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

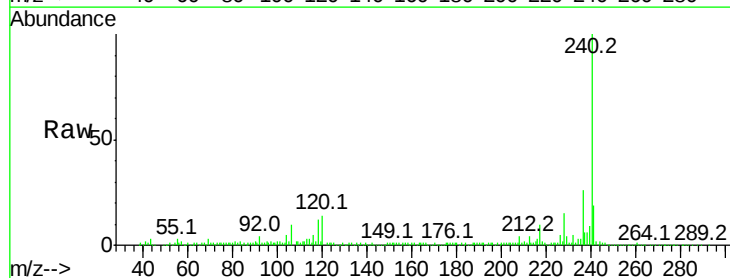
Tgt Ion:240 Resp: 387951

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

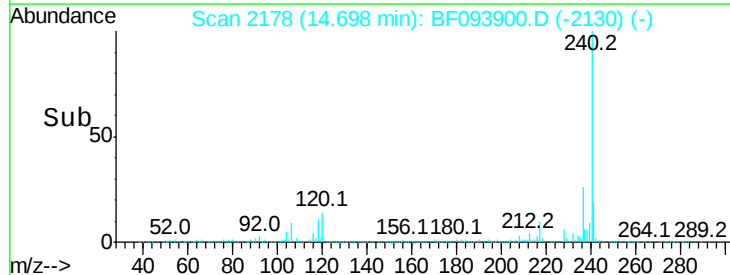
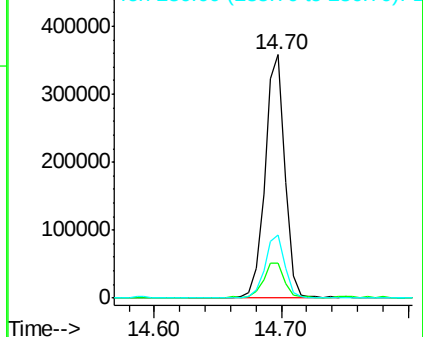
236 26.2 20.5 30.7

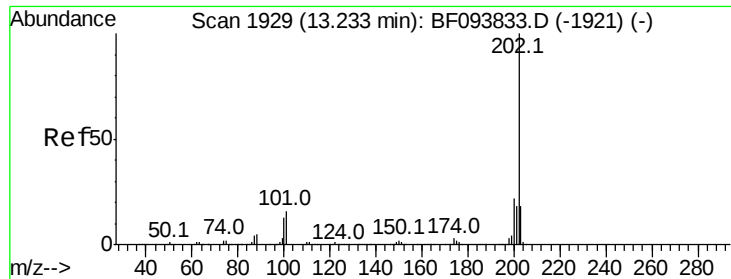


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

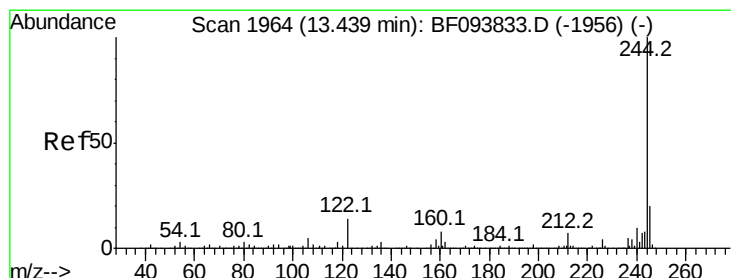
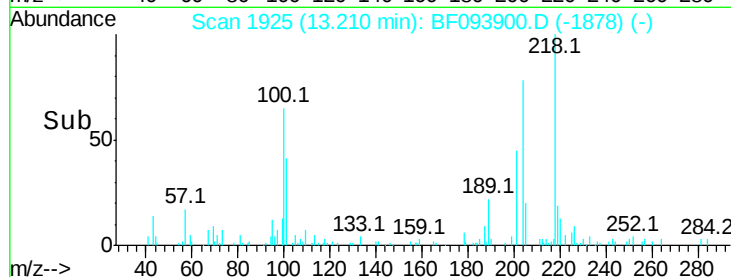
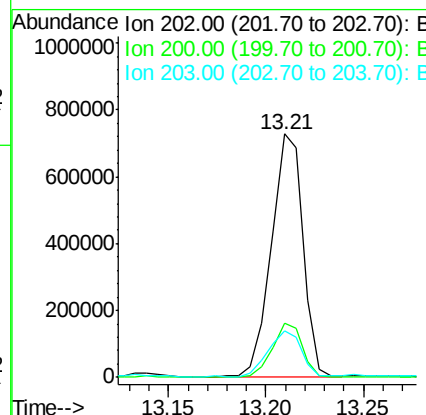
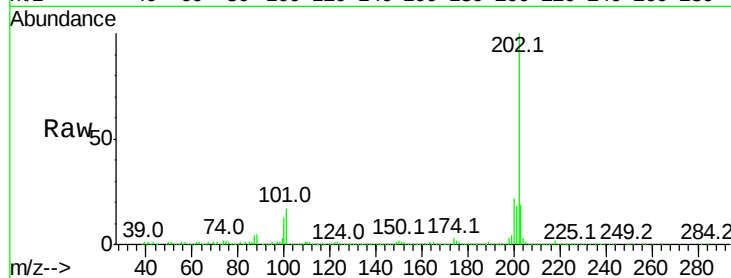




#77
Pvrene
Concen: 28.80 ng
RT: 13.21 min Scan# 1925
Delta R.T. -0.02 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

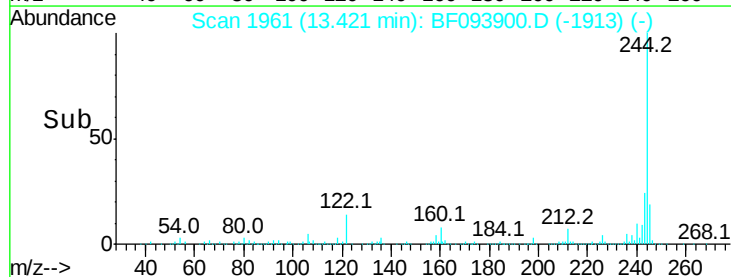
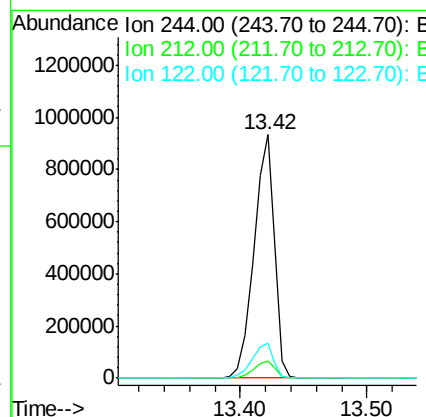
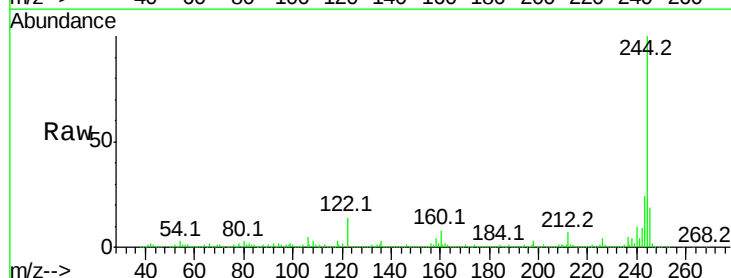
Instrument :
BNA_F
ClientSampleId :
E2-DD10-ESW

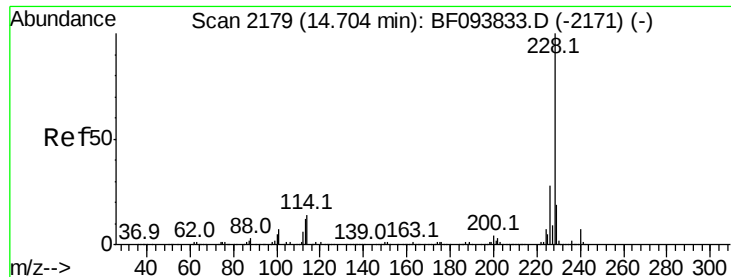
Tot Ion:202 Resp: 810780
Ion Ratio Lower Upper
202 100
200 22.0 17.6 26.4
203 19.0 14.4 21.6



#78
Terphenyl-d14
Concen: 60.47 ng
RT: 13.42 min Scan# 1961
Delta R.T. -0.02 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

Tgt Ion:244 Resp: 1046685
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 14.2 10.3 15.5

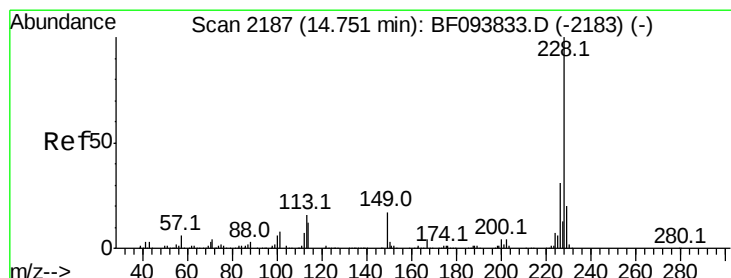
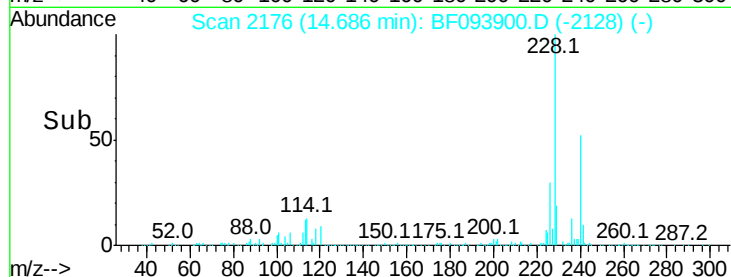
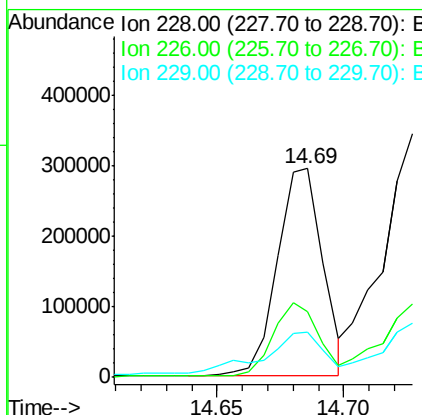
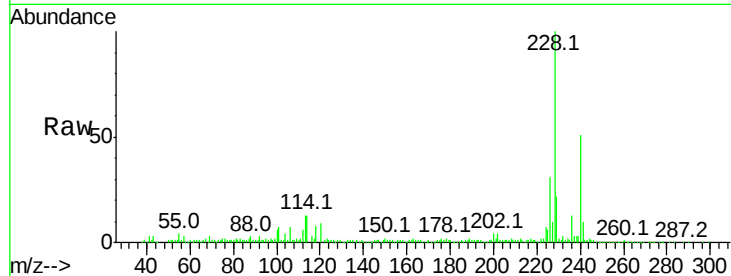




#80
Benzo(a)anthracene
Concen: 16.14 ng
RT: 14.69 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

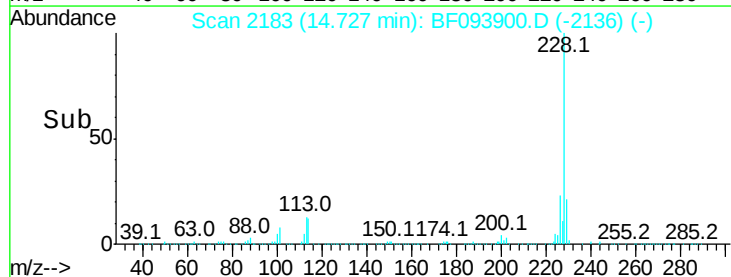
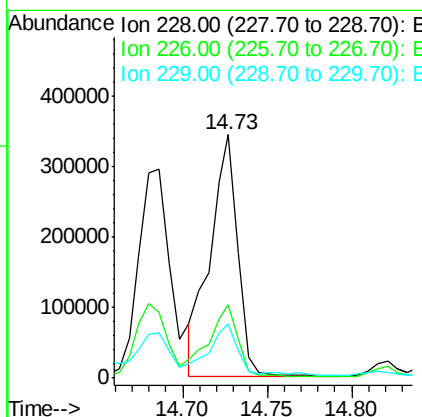
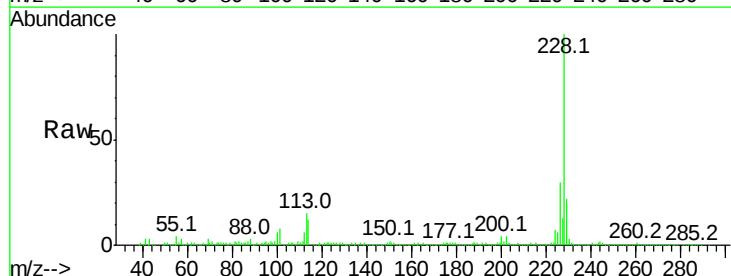
Instrument :
BNA_F
ClientSampleId :
E2-DD10-ESW

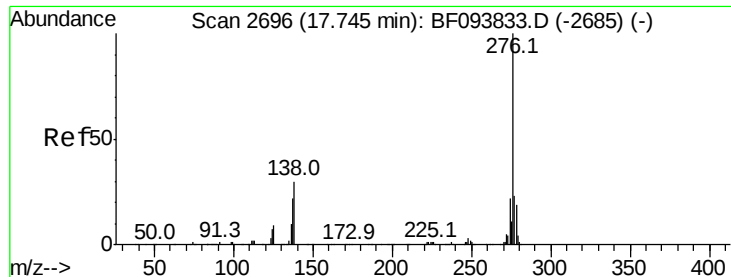
Tot Ion:228 Resp: 365056
Ion Ratio Lower Upper
228 100
226 31.4 22.6 33.8
229 21.8 16.3 24.5



#82
Chrysene
Concen: 18.67 ng
RT: 14.73 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

Tgt Ion:228 Resp: 391971
Ion Ratio Lower Upper
228 100
226 29.9 24.9 37.3
229 22.1 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 12.55 ng

RT: 17.72 min Scan# 2692

Delta R.T. -0.02 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

Instrument :

BNA_F

ClientSampleId :

E2-DD10-ESW

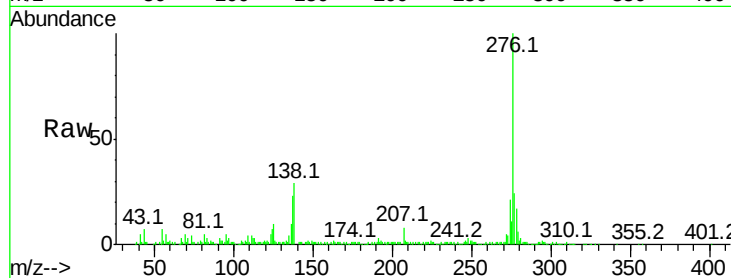
Tot Ion:276 Resp: 228115

Ion Ratio Lower Upper

276 100

138 31.2 27.8 41.6

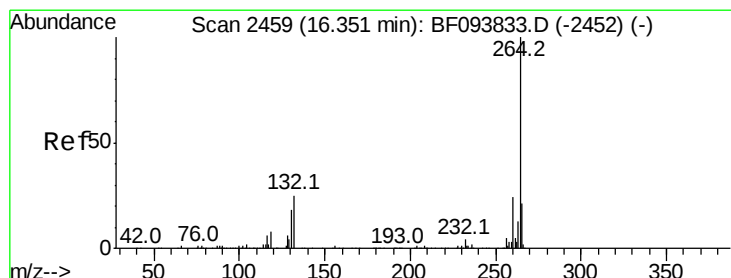
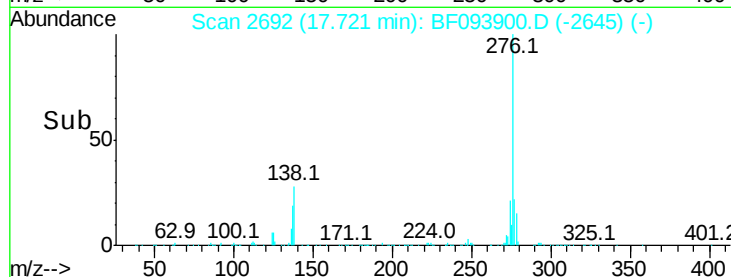
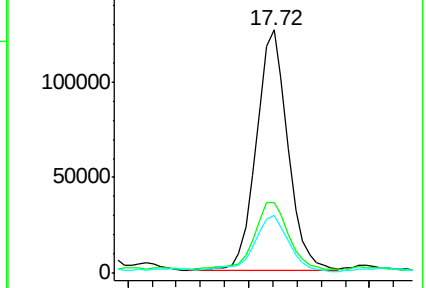
277 25.6 20.2 30.4



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: 16.34 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

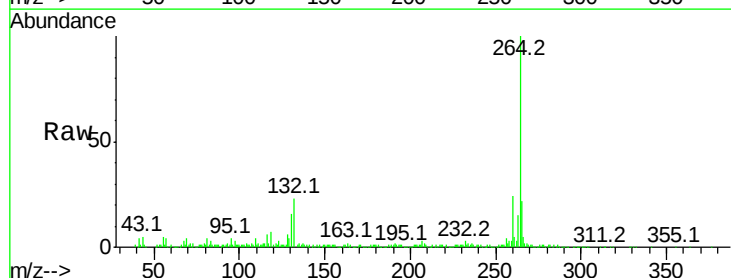
Tgt Ion:264 Resp: 343083

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

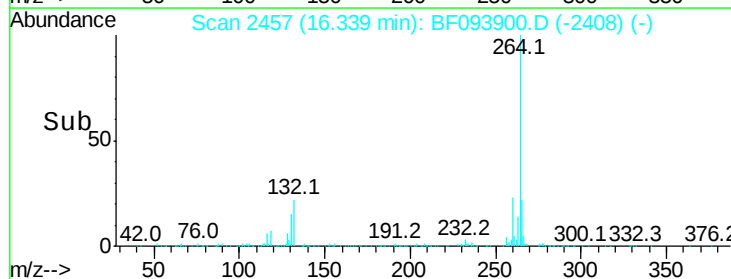
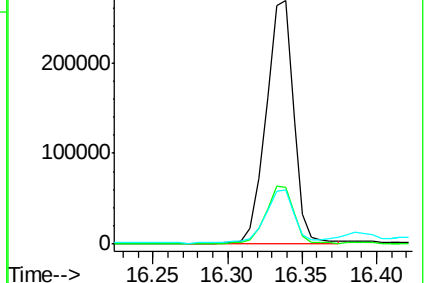
265 22.3 17.2 25.8

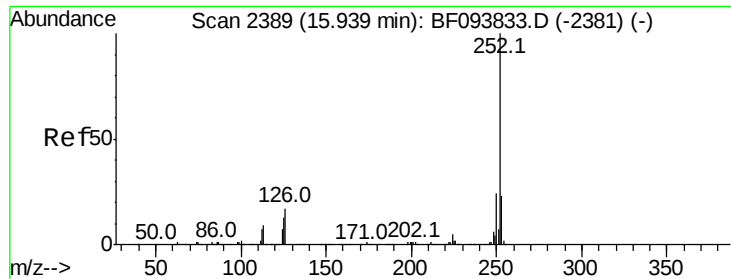


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 32.53 ng

RT: 15.92 min Scan# 2386

Delta R.T. -0.02 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

Instrument :

BNA_F

ClientSampleId :

E2-DD10-ESW

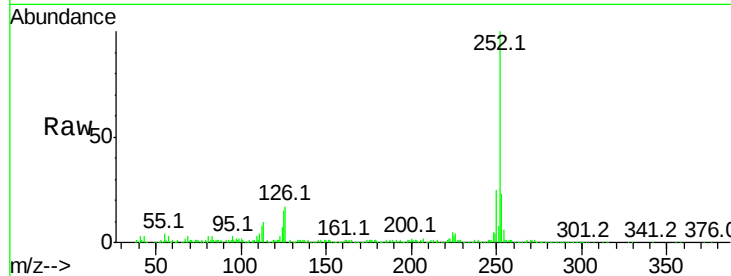
Tot Ion:252 Resp: 684078

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

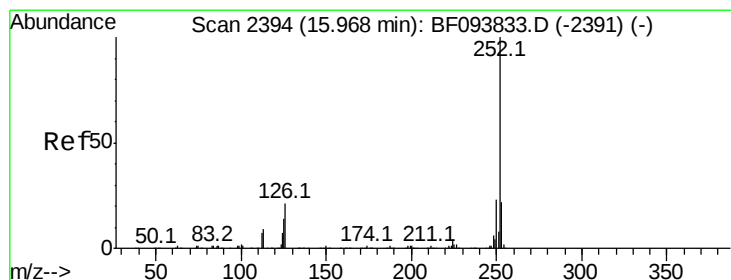
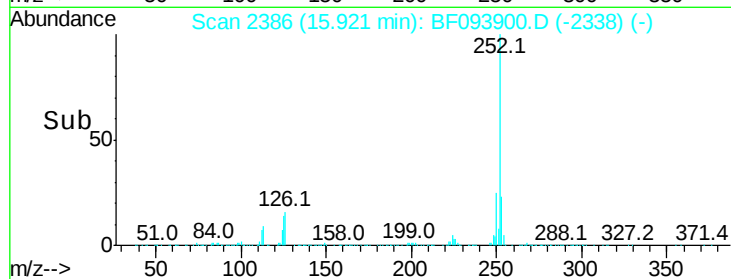
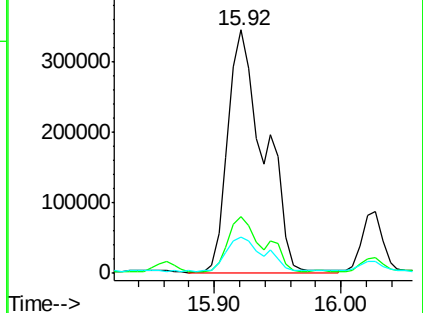
125 14.9 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 33.25 ng

RT: 15.92 min Scan# 2386

Delta R.T. -0.05 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

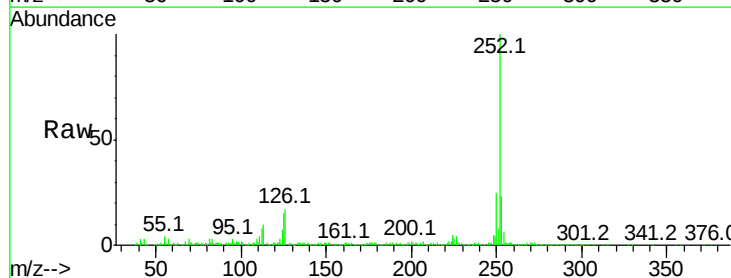
Tgt Ion:252 Resp: 684078

Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

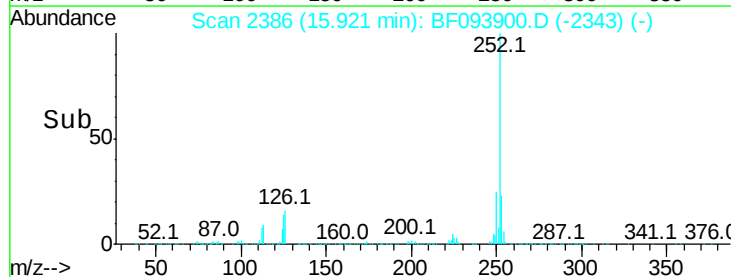
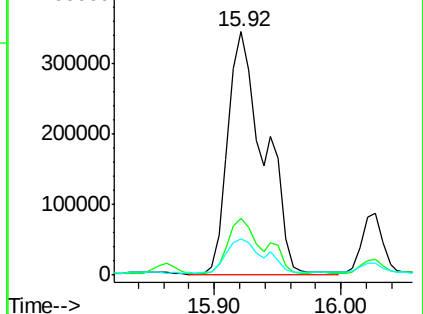
125 14.9 13.1 19.7

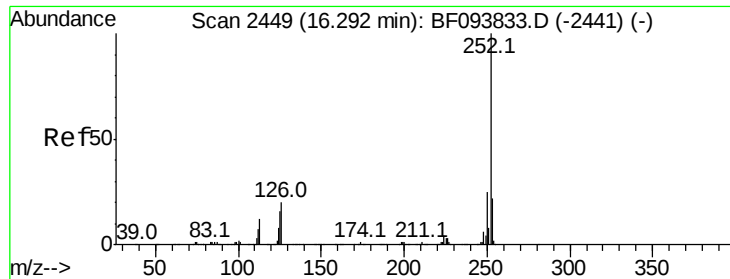


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

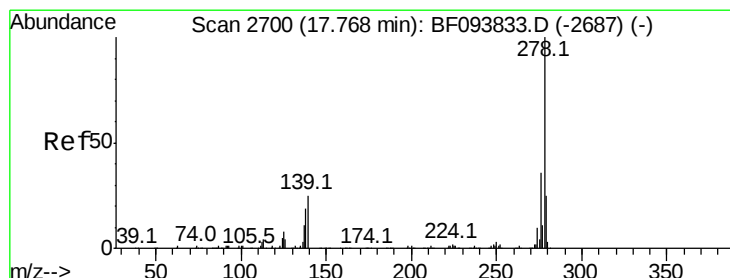
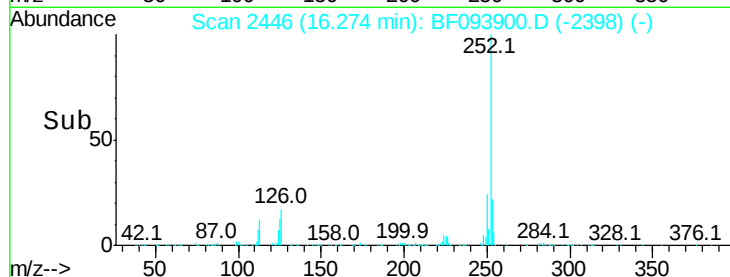
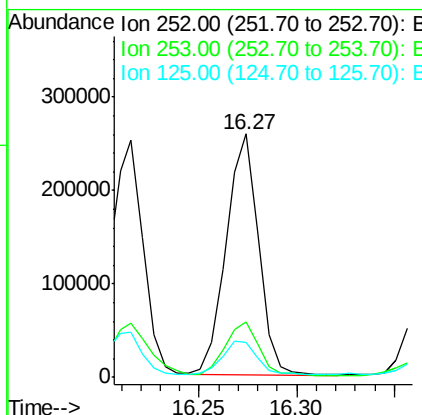
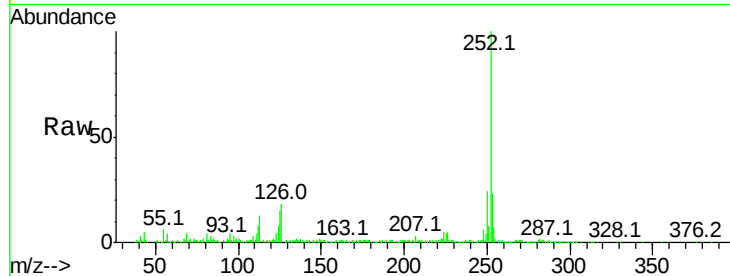




#89
Benzo(a)pyrene
Concen: 15.36 ng
RT: 16.27 min Scan# 2446
Delta R.T. -0.02 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

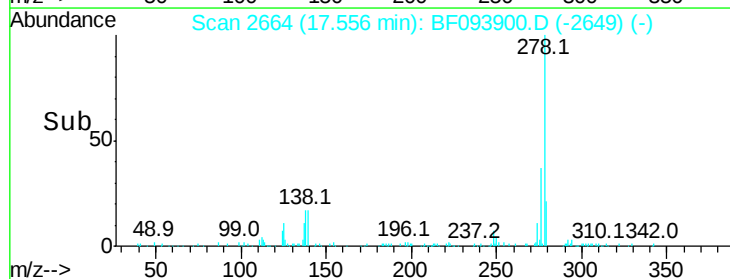
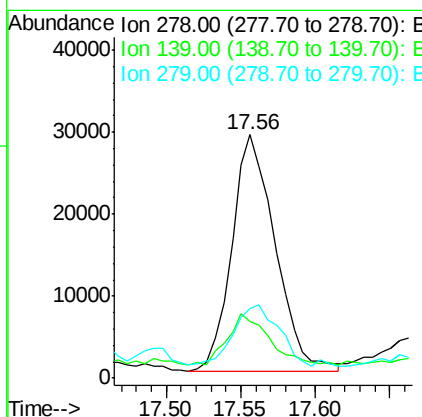
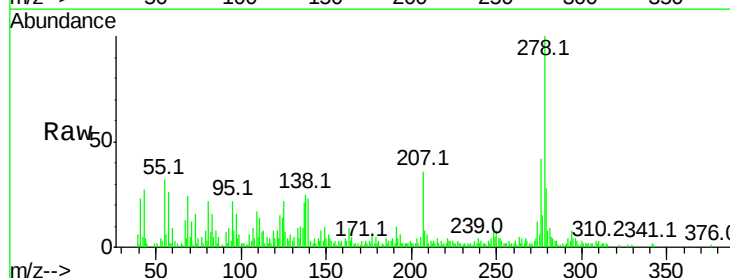
Instrument :
BNA_F
ClientSampleId :
E2-DD10-ESW

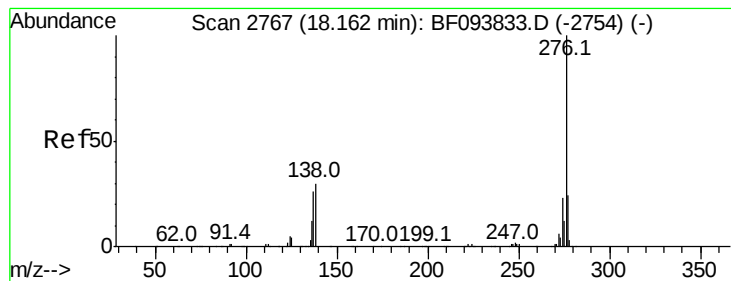
Tot Ion:252 Resp: 297523
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 14.6 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 3.55 ng
RT: 17.56 min Scan# 2664
Delta R.T. -0.21 min
Lab File: BF093900.D
Acq: 24 Mar 2017 11:31

Tgt Ion:278 Resp: 58144
Ion Ratio Lower Upper
278 100
139 23.5 16.6 24.8
279 28.4 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 12.86 ng

RT: 18.13 min Scan# 2762

Delta R.T. -0.03 min

Lab File: BF093900.D

Acq: 24 Mar 2017 11:31

Instrument :

BNA_F

ClientSampleId :

E2-DD10-ESW

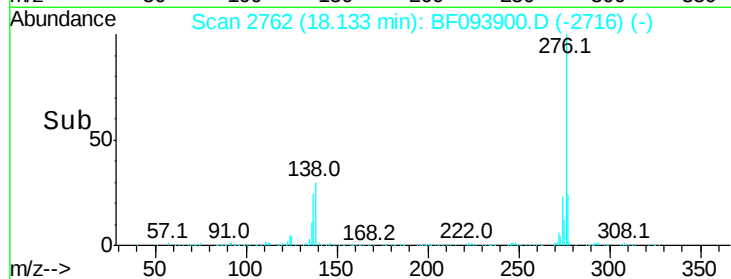
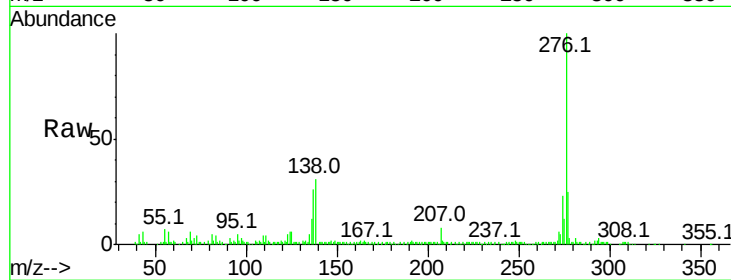
Tot Ion:276 Resp: 212508

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 31.1 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

150000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

