

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093679.D
 Acq On : 15 Mar 2017 20:26
 Operator : SJ/MA
 Sample : I2264-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD8-SSW

Quant Time: Mar 16 01:43:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	171111	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	681460	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	313121	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	535808	20.00	ng	0.00
75) Chrysene-d12	13.89	240	336674	20.00	ng	0.00
86) Perylene-d12	15.29	264	315020	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1274053	123.92	ng	-0.01
7) Phenol-d6	6.37	99	1621594	125.08	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1024673	83.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	249660	122.38	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1458813	86.66	ng	-0.01
78) Terphenyl-d14	12.84	244	1000192	77.24	ng	0.01

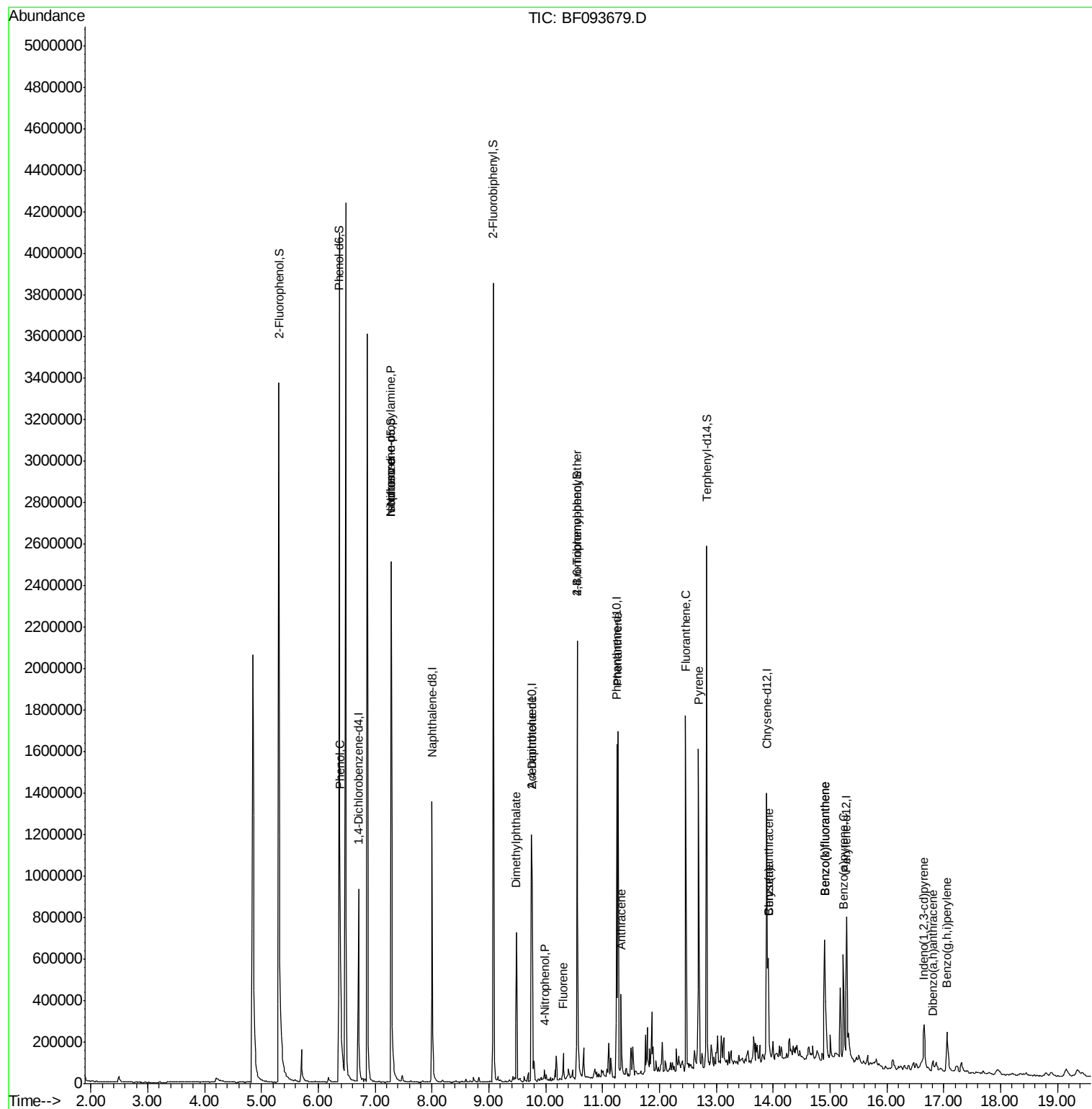
Target Compounds				Qvalue		
9) Benzaldehyde	6.37	77	3665	Below Cal	#	22
10) Phenol	6.38	94	134882	8.49	ng	89
19) n-Nitroso-di-n-propylamine	7.28	70	132480	14.86	ng	# 86
25) Isophorone	7.28	82	1013063	40.90	ng	# 65
49) Dimethylphthalate	9.49	163	332391	16.01	ng	99
55) 4-Nitrophenol	9.98	139	9393	3.53	ng	# 4
56) 2,4-Dinitrotoluene	9.75	165	39464	7.05	ng	# 21
57) Fluorene	10.31	166	38380	2.13	ng	95
66) 4-Bromophenyl-phenylether	10.55	248	18086	3.19	ng	# 1
70) Phenanthrene	11.27	178	611987	20.01	ng	99
71) Anthracene	11.33	178	159836	5.17	ng	98
74) Fluoranthene	12.46	202	750062	25.39	ng	96
77) Pvrene	12.69	202	667931	27.28	ng	99
80) Benzo(a)anthracene	13.92	228	223954	11.26	ng	95
82) Chrysene	13.92	228	224232	12.19	ng	99
85) Indeno(1,2,3-cd)pyrene	16.65	276	158918	10.32	ng	96
87) Benzo(b)fluoranthene	14.91	252	402711	20.99	ng	98
88) Benzo(k)fluoranthene	14.91	252	402711	21.77	ng	96
89) Benzo(a)pvrene	15.24	252	244328	13.93	ng	# 94
90) Dibenzo(a,h)anthracene	16.81	278	29068	2.00	ng	95
91) Benzo(g,h,i)perylene	17.05	276	161068	10.82	ng	# 88

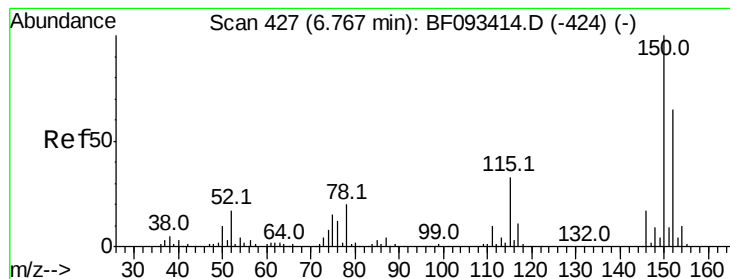
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

Instrument :

BNA_F

ClientSampleId :

E2-DD8-SSW

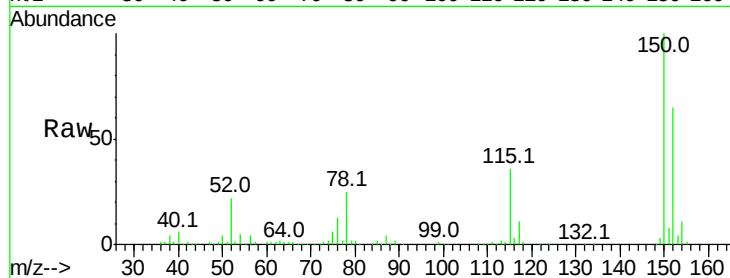
Tot Ion:152 Resp: 171111

Ion Ratio Lower Upper

152 100

150 154.9 124.9 187.3

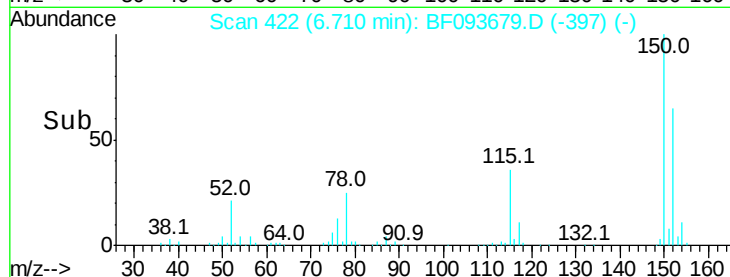
115 55.9 46.0 69.0



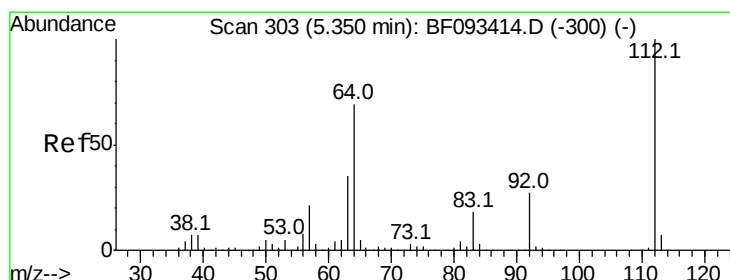
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 123.92 ng

RT: 5.30 min Scan# 299

Delta R.T. -0.01 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

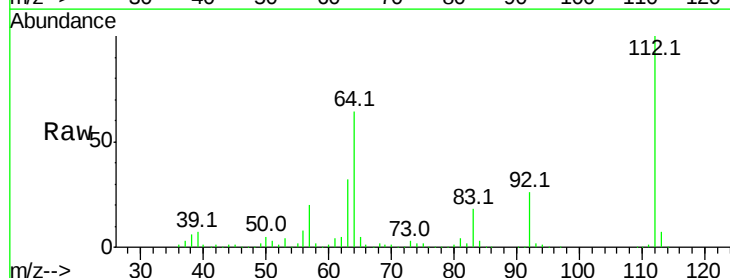
Tgt Ion:112 Resp: 1274053

Ion Ratio Lower Upper

112 100

64 64.0 46.1 69.1

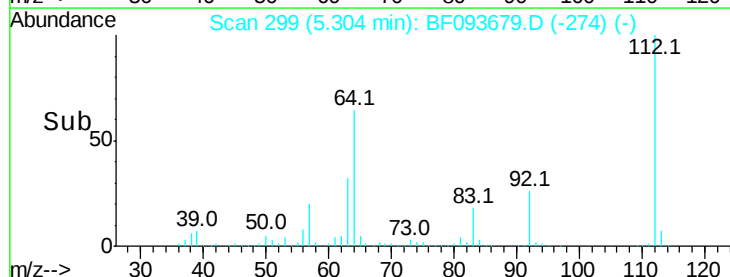
63 32.0 23.8 35.6



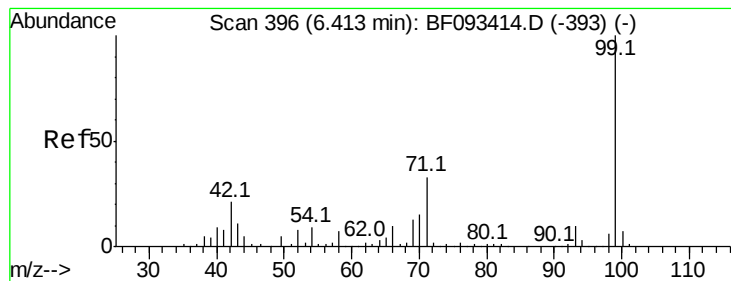
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 125.08 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

Instrument :

BNA_F

ClientSampleId :

E2-DD8-SSW

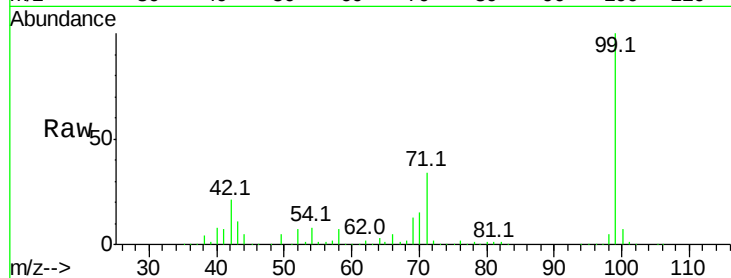
Tot Ion: 99 Resp: 1621594

Ion Ratio Lower Upper

99 100

42 21.2 15.6 23.4

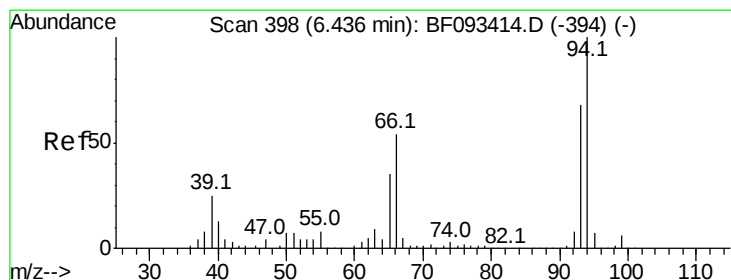
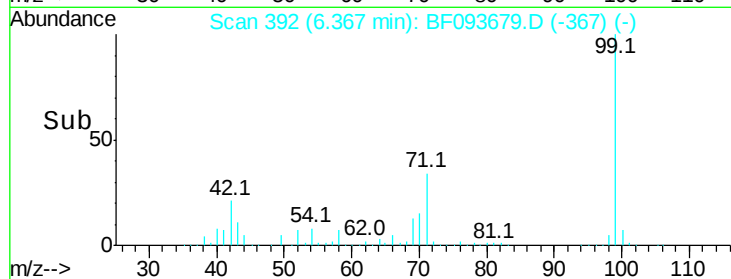
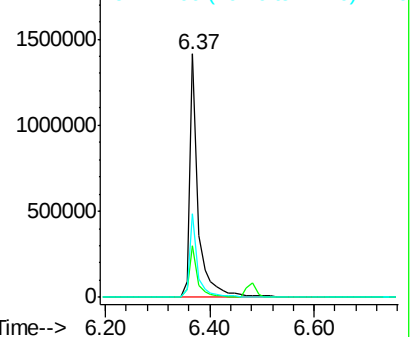
71 34.1 27.5 41.3



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: 8.49 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

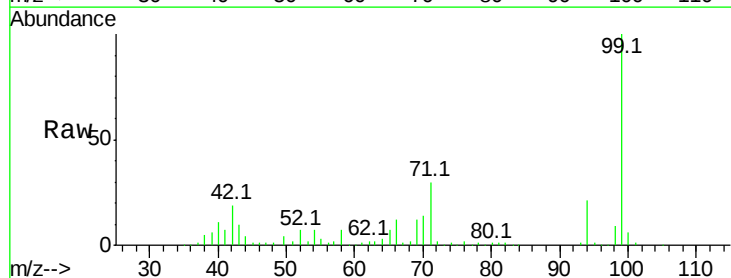
Tgt Ion: 94 Resp: 134882

Ion Ratio Lower Upper

94 100

65 31.2 21.4 61.4

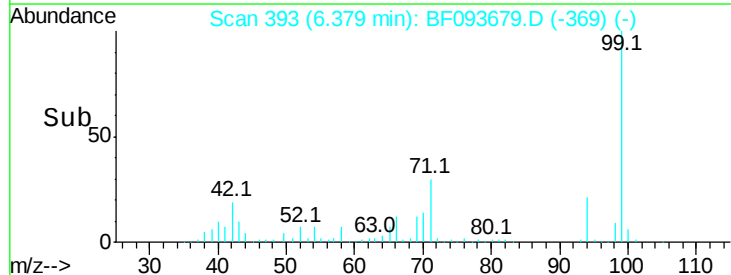
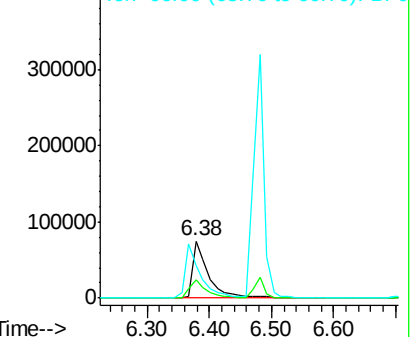
66 57.4 44.0 84.0

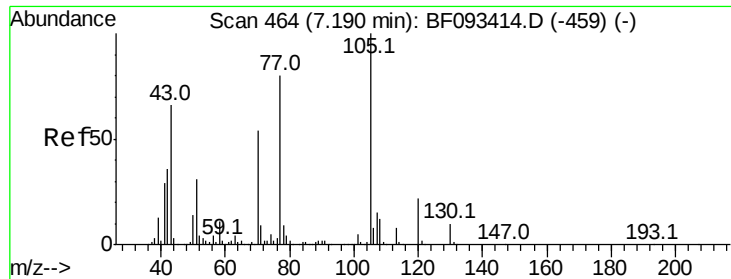


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

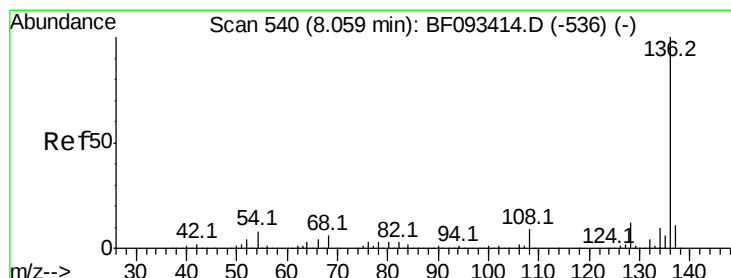
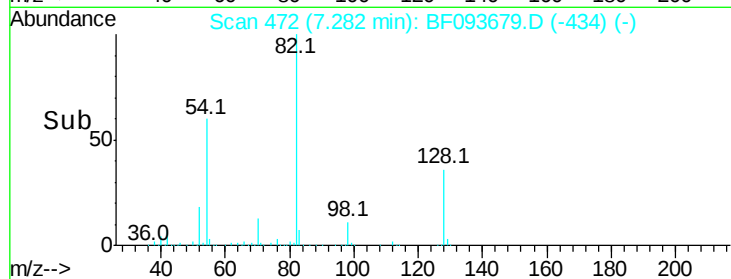
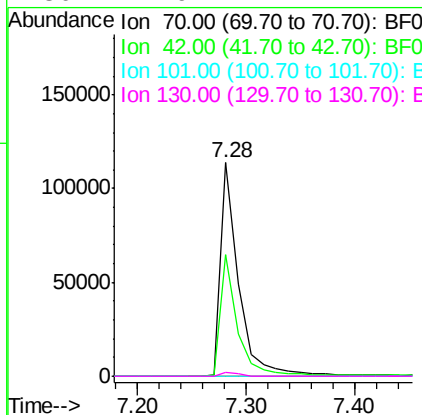
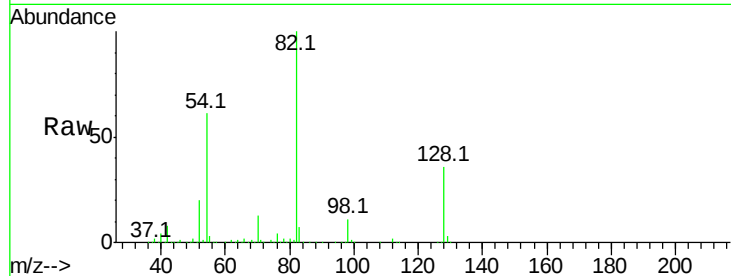




#19
n-Nitroso-di-n-propylamine
Concen: 14.86 ng
RT: 7.28 min Scan# 472
Delta R.T. 0.14 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

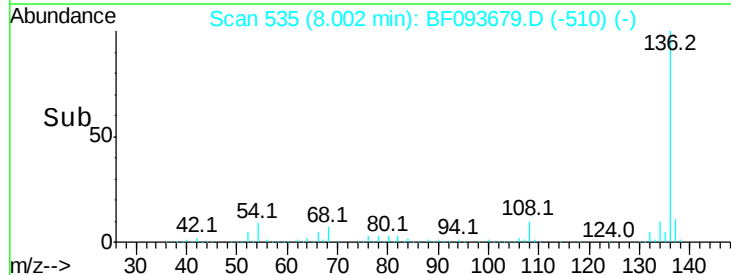
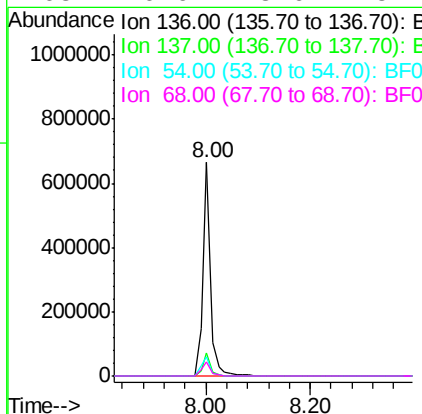
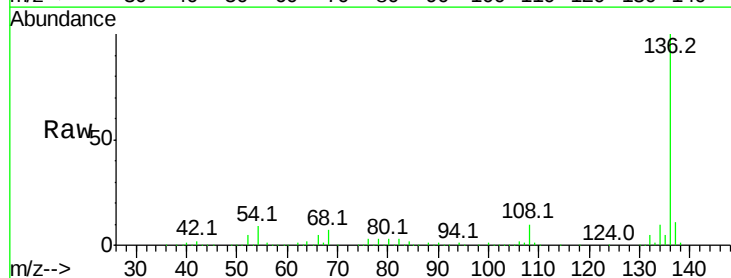
Instrument :
BNA_F
ClientSampleId :
E2-DD8-SSW

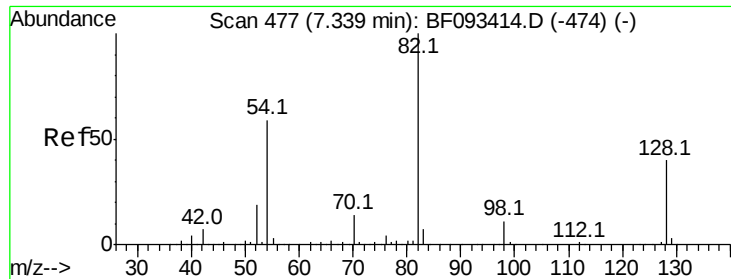
Tot Ion: 70 Resp: 132480
Ion Ratio Lower Upper
70 100
42 56.8 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

Tgt Ion:136 Resp: 681460
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 9.0 4.5 6.7#
68 6.6 3.6 5.4#



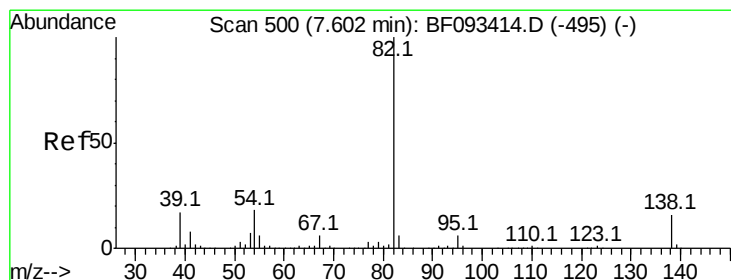
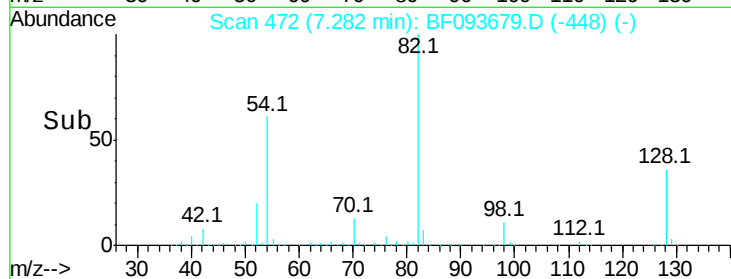
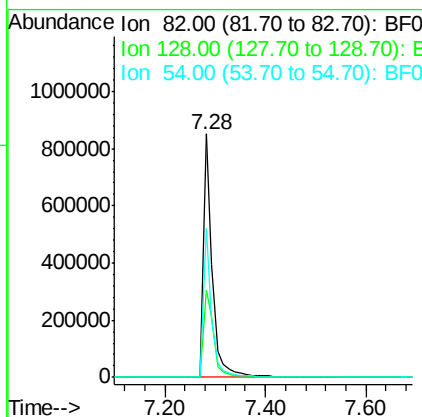
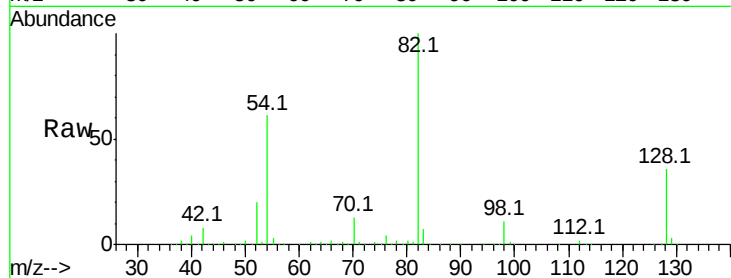


#23
 Nitrobenzene-d5
 Concen: 83.43 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.02 min
 Lab File: BF093679.D
 Acq: 15 Mar 2017 20:26

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD8-SSW

Tot Ion: 82 Resp: 1024673

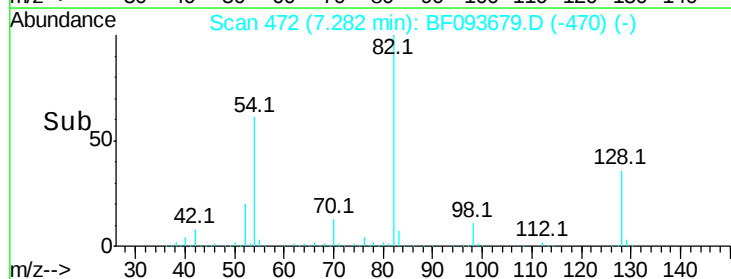
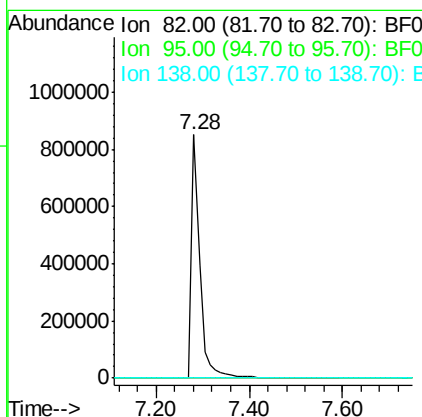
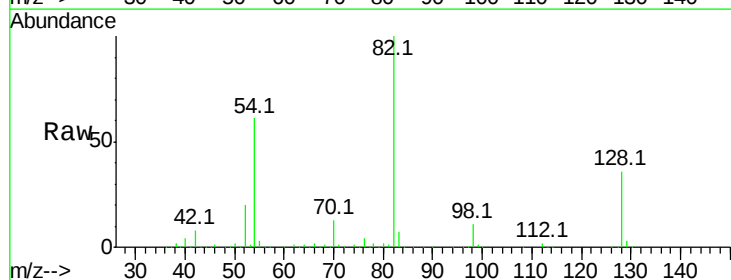
Ion	Ratio	Lower	Upper
82	100		
128	36.2	34.6	52.0
54	60.9	39.5	59.3#

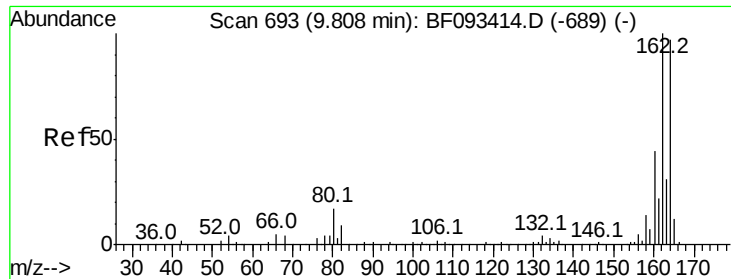


#25
 Isophorone
 Concen: 40.90 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.27 min
 Lab File: BF093679.D
 Acq: 15 Mar 2017 20:26

Tgt Ion: 82 Resp: 1013063

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#

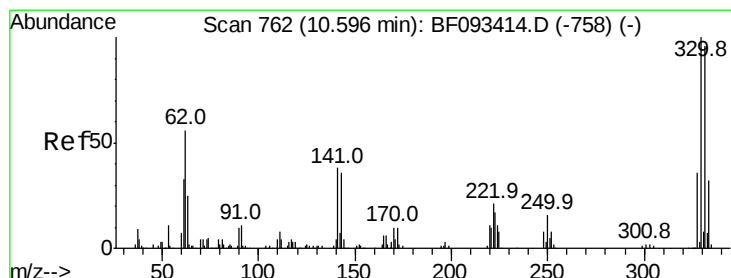
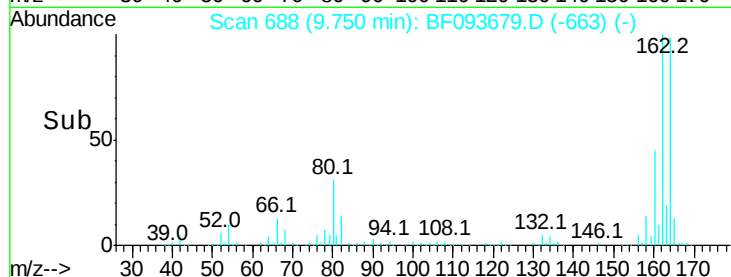
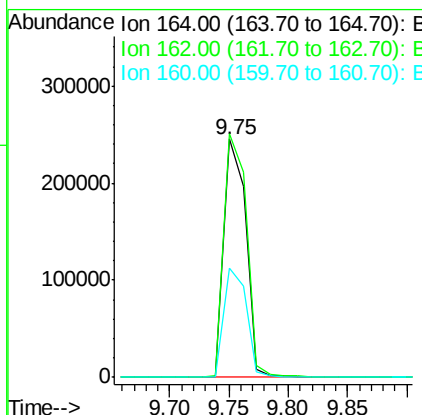
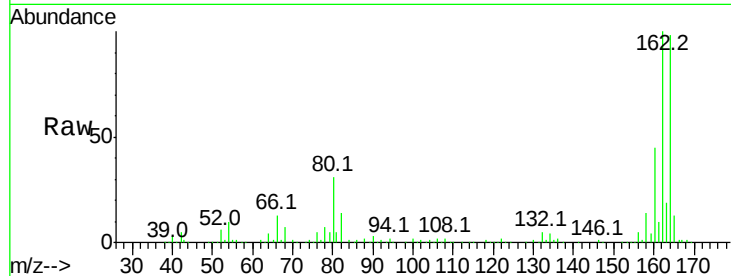




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

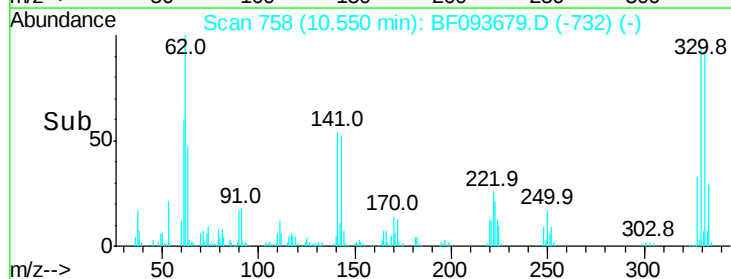
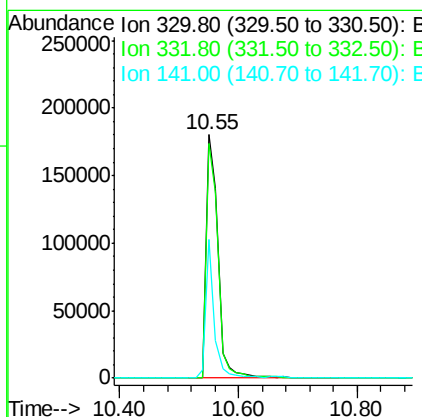
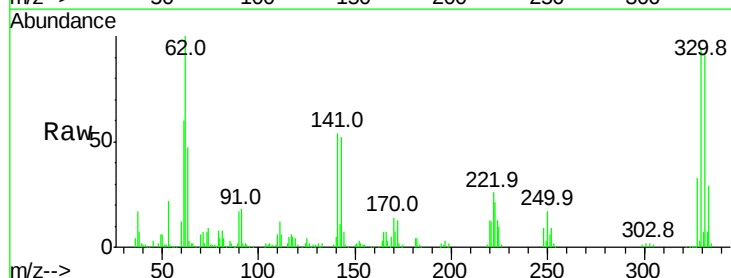
Instrument :
BNA_F
ClientSampleId :
E2-DD8-SSW

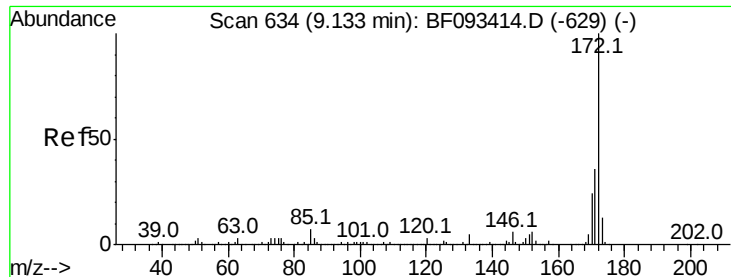
Tot Ion:164 Resp: 313121
Ion Ratio Lower Upper
164 100
162 102.1 80.2 120.2
160 45.8 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 122.38 ng
RT: 10.55 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

Tgt Ion:330 Resp: 249660
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 41.8 34.1 51.1

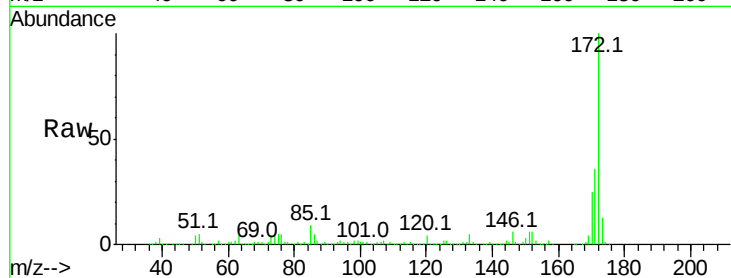




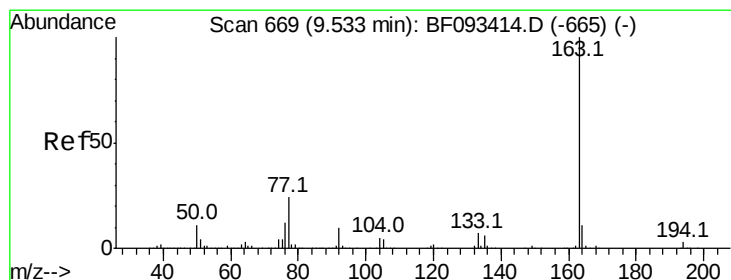
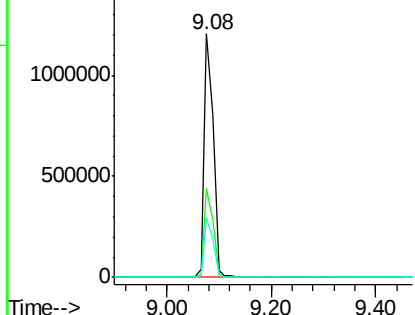
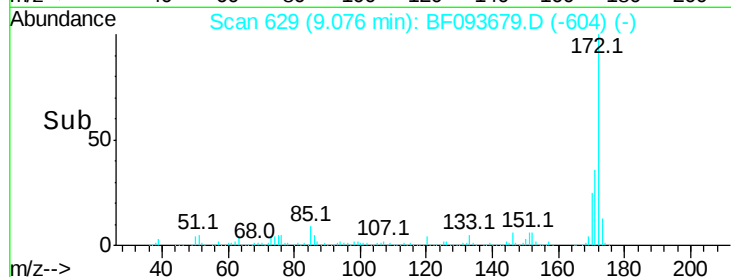
#44
2-Fluorobiphenyl
Concen: 86.66 ng
RT: 9.08 min Scan# 629
Delta R.T. -0.01 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

Instrument :
BNA_F
ClientSampleId :
E2-DD8-SSW

Tot Ion:172 Resp: 1458813
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 24.6 20.2 30.4

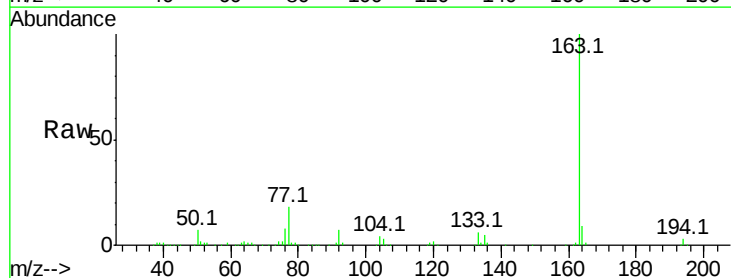


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

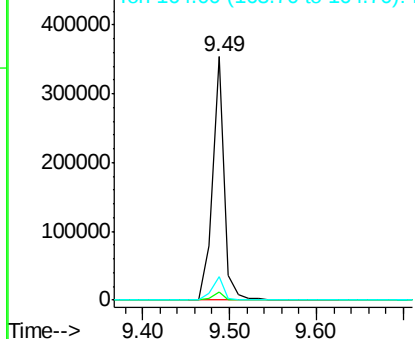
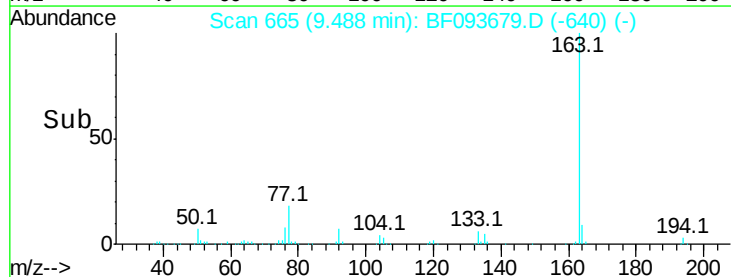


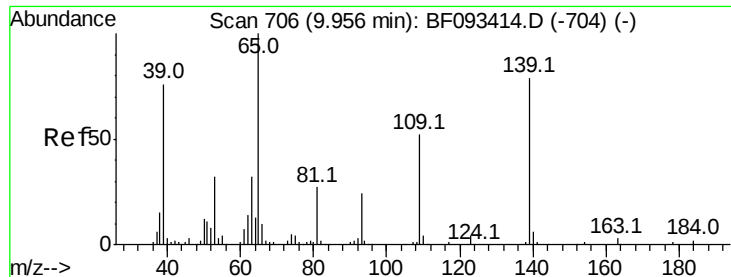
#49
Dimethylphthalate
Concen: 16.01 ng
RT: 9.49 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

Tgt Ion:163 Resp: 332391
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 9.5 8.0 12.0



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





#55

4-Nitrophenol

Concen: 3.53 ng

RT: 9.98 min Scan# 708

Delta R.T. 0.05 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

Instrument :

BNA_F

ClientSampleId :

E2-DD8-SSW

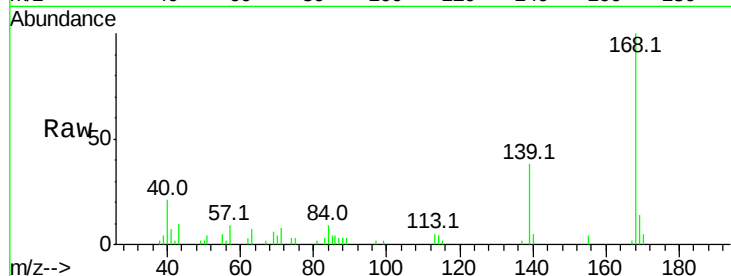
Tot Ion:139 Resp: 9393

Ion Ratio Lower Upper

139 100

109 0.0 52.2 92.2#

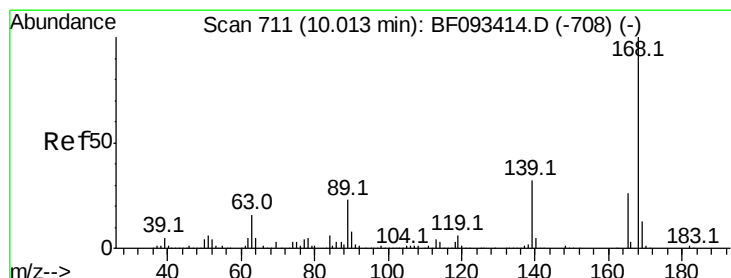
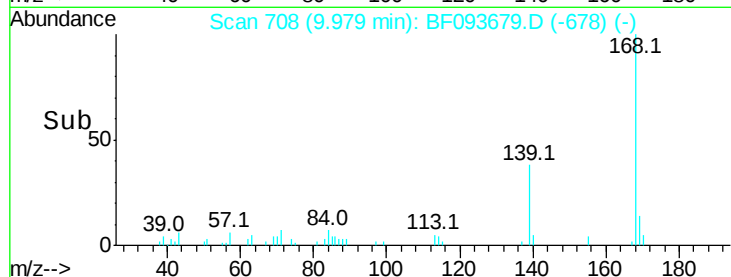
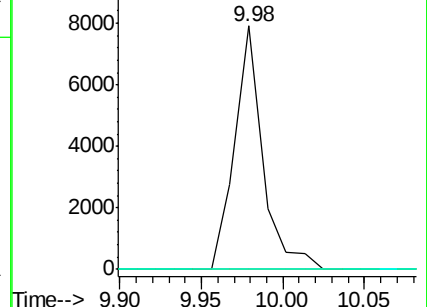
65 0.0 85.8 125.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 7.05 ng

RT: 9.75 min Scan# 688

Delta R.T. -0.23 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

Tgt Ion:165 Resp: 39464

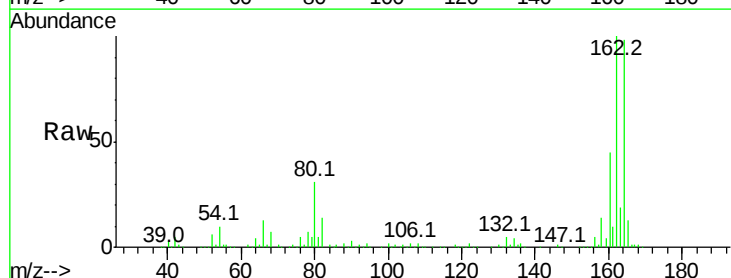
Ion Ratio Lower Upper

165 100

63 2.3 40.2 60.4#

89 2.3 62.5 93.7#

182 0.0 1.8 2.8#

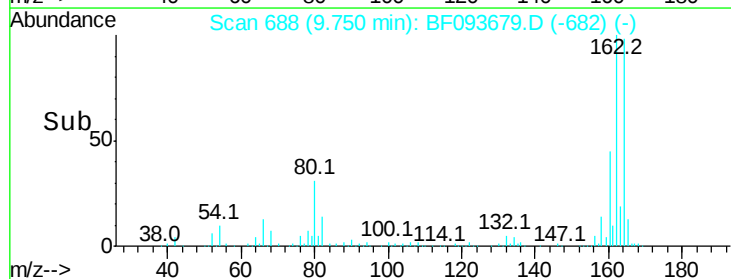
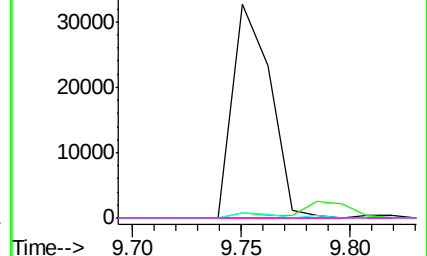


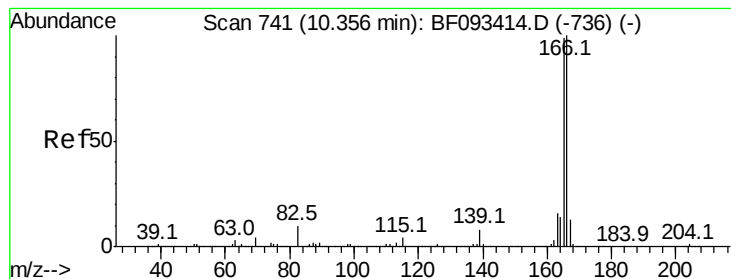
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 2.13 ng

RT: 10.31 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

Instrument :

BNA_F

ClientSampleId :

E2-DD8-SSW

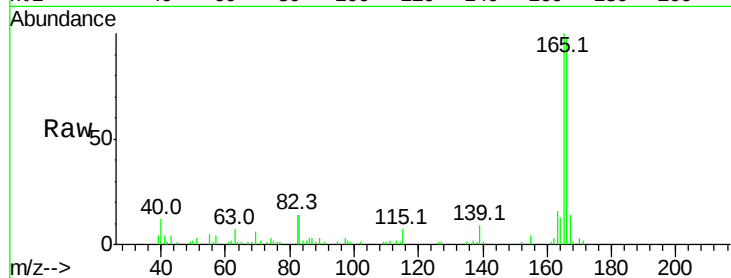
Tot Ion:166 Resp: 38380

Ion Ratio Lower Upper

166 100

165 102.0 77.8 116.8

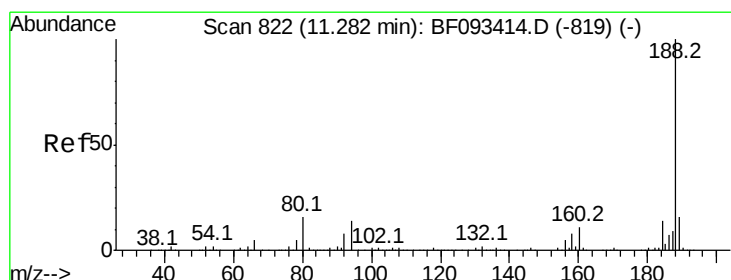
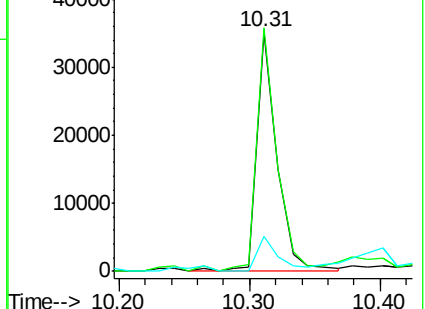
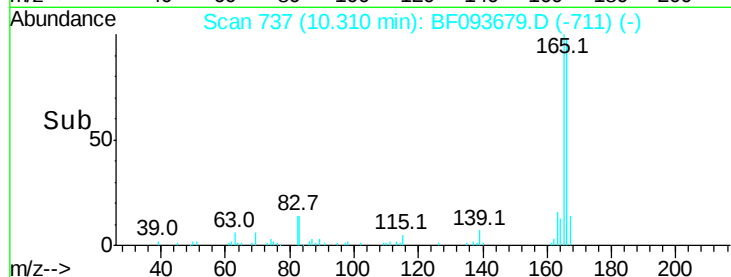
167 14.7 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

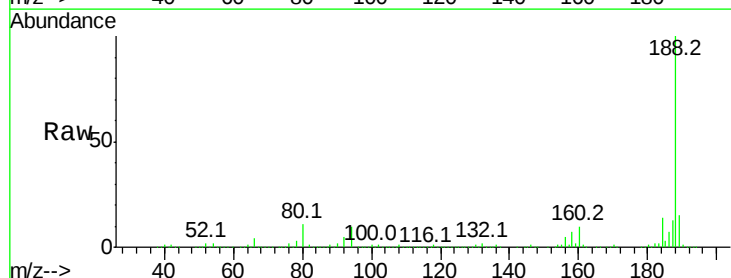
Tgt Ion:188 Resp: 535808

Ion Ratio Lower Upper

188 100

94 10.3 10.0 15.0

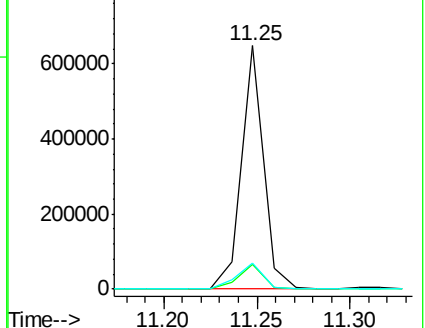
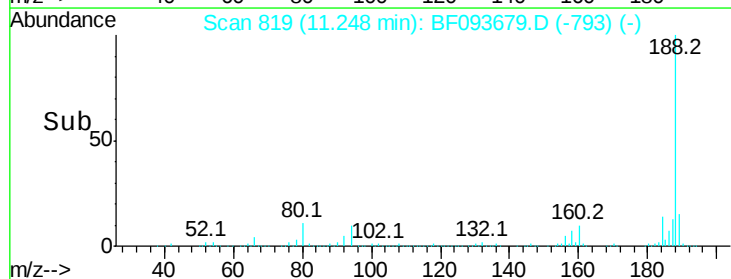
80 10.6 11.2 16.8#

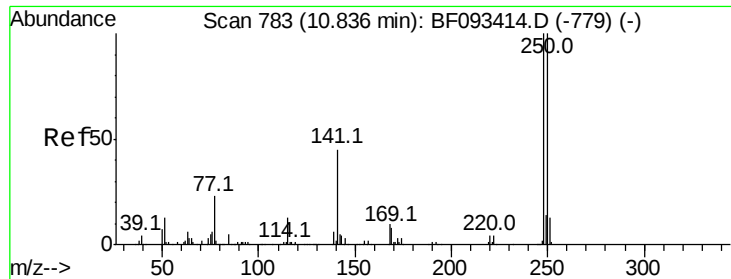


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

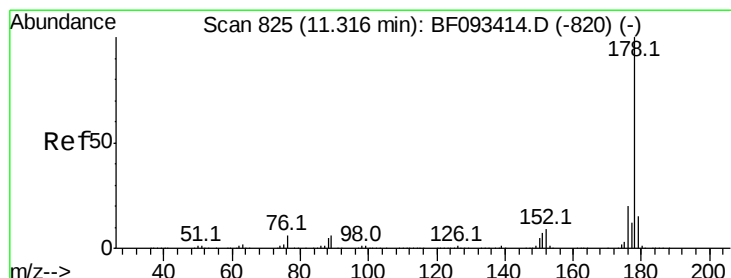
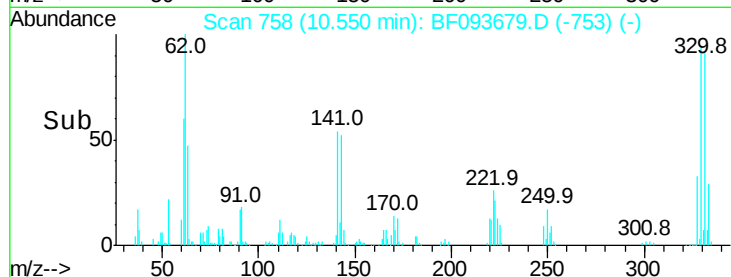
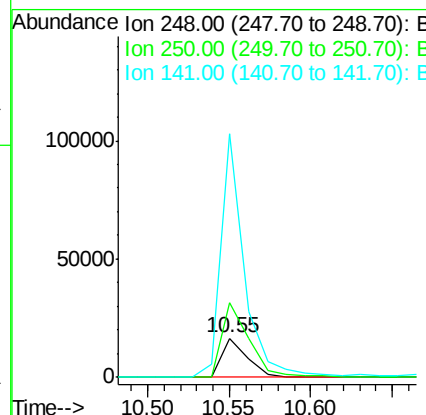
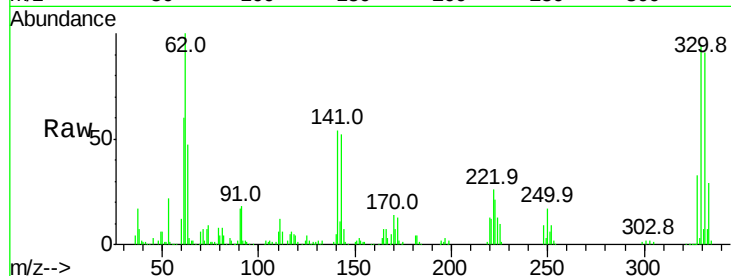




#66
 4-Bromophenyl-phenylether
 Concen: 3.19 ng
 RT: 10.55 min Scan# 758
 Delta R.T. -0.24 min
 Lab File: BF093679.D
 Acq: 15 Mar 2017 20:26

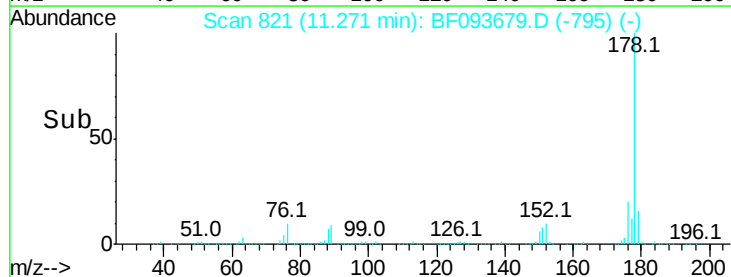
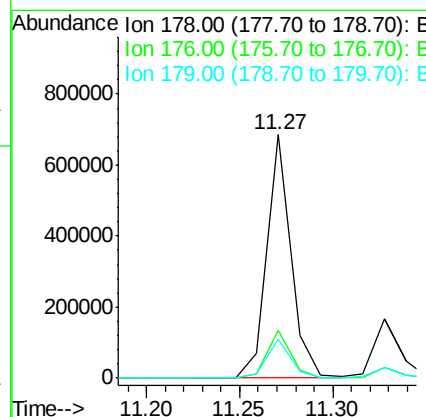
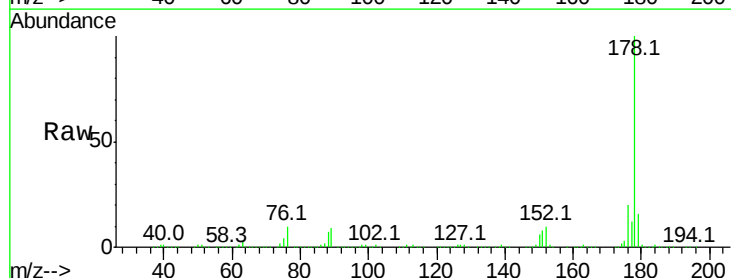
Instrument :
 BNA_F
 ClientSampleId :
 E2-DD8-SSW

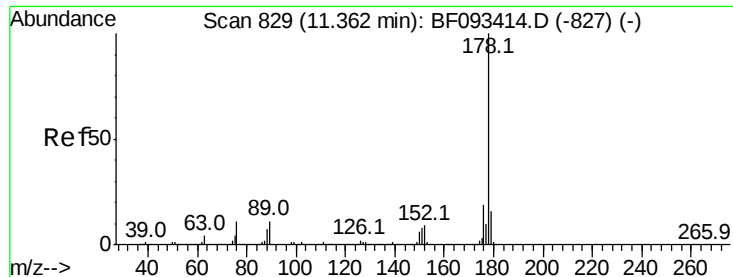
Tot Ion:248 Resp: 18086
 Ion Ratio Lower Upper
 248 100
 250 193.0 76.9 115.3#
 141 626.3 68.2 102.4#



#70
 Phenanthrene
 Concen: 20.01 ng
 RT: 11.27 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF093679.D
 Acq: 15 Mar 2017 20:26

Tgt Ion:178 Resp: 611987
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.6 25.0
 179 15.8 12.8 19.2

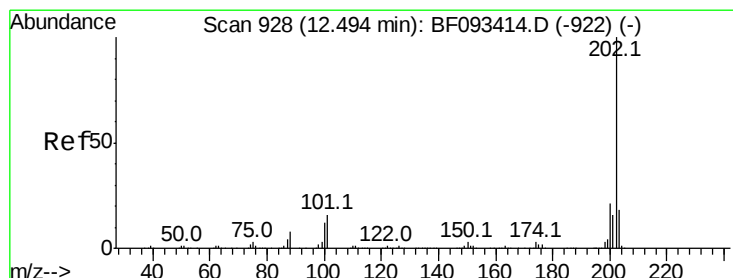
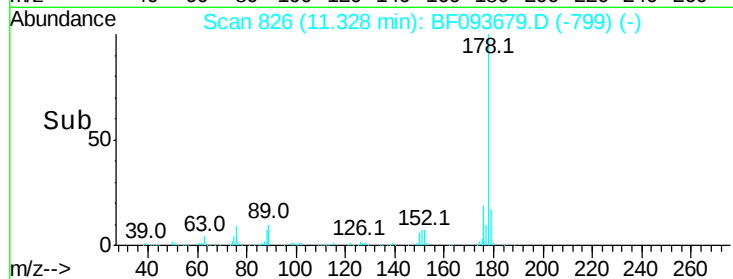
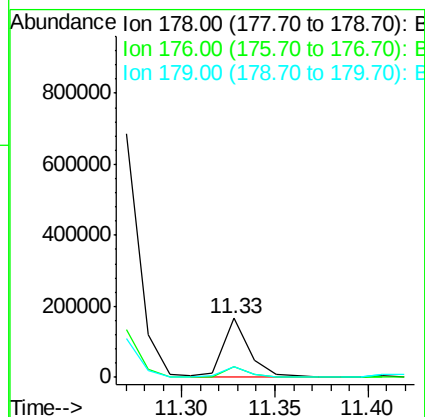
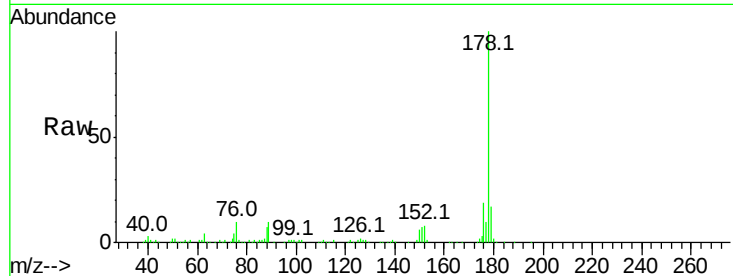




#71
 Anthracene
 Concen: 5.17 ng
 RT: 11.33 min Scan# 826
 Delta R.T. 0.01 min
 Lab File: BF093679.D
 Acq: 15 Mar 2017 20:26

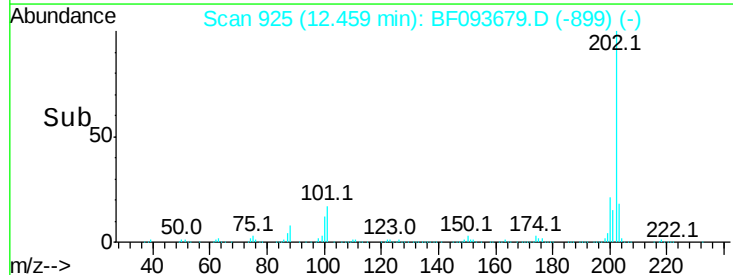
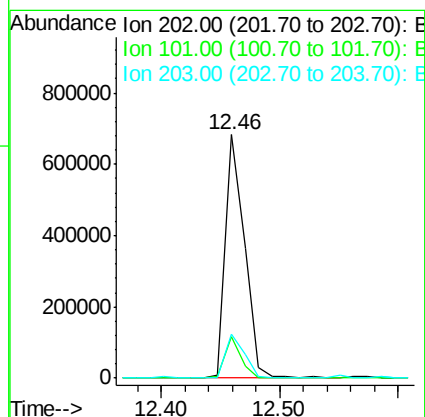
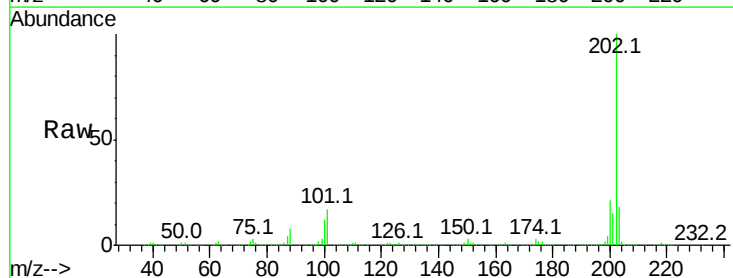
Instrument :
 BNA_F
 ClientSampleId :
 E2-DD8-SSW

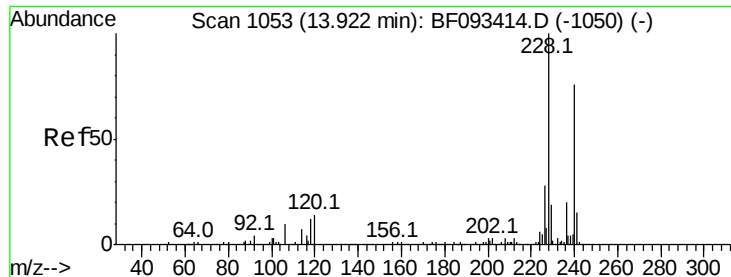
Tot Ion:178 Resp: 159836
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.9 23.9
 179 17.4 13.2 19.8



#74
 Fluoranthene
 Concen: 25.39 ng
 RT: 12.46 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF093679.D
 Acq: 15 Mar 2017 20:26

Tgt Ion:202 Resp: 750062
 Ion Ratio Lower Upper
 202 100
 101 17.2 0.0 34.6
 203 17.8 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

Instrument :

BNA_F

ClientSampleId :

E2-DD8-SSW

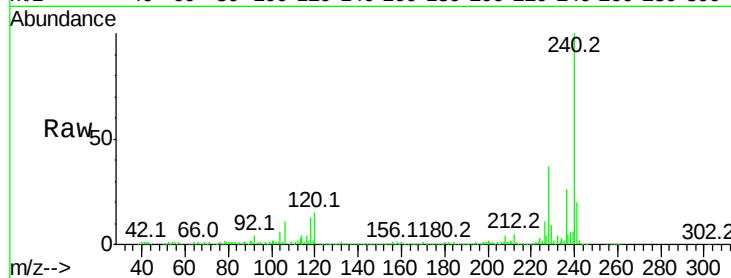
Tot Ion:240 Resp: 336674

Ion Ratio Lower Upper

240 100

120 15.3 12.9 19.3

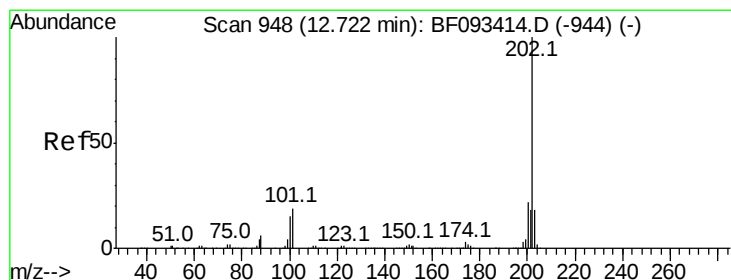
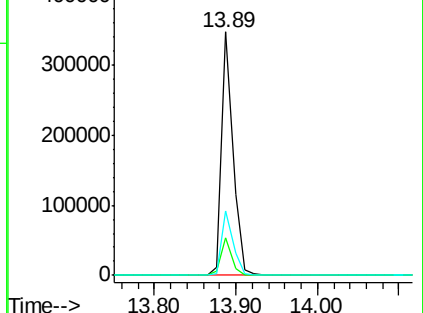
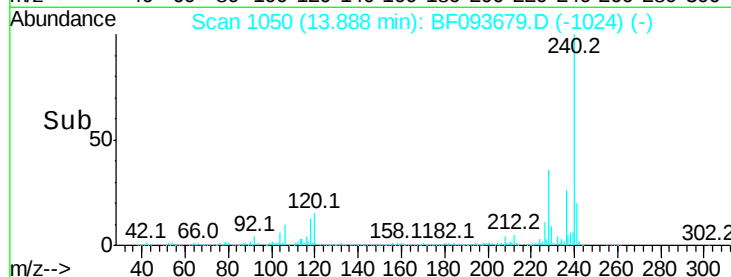
236 26.2 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 27.28 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

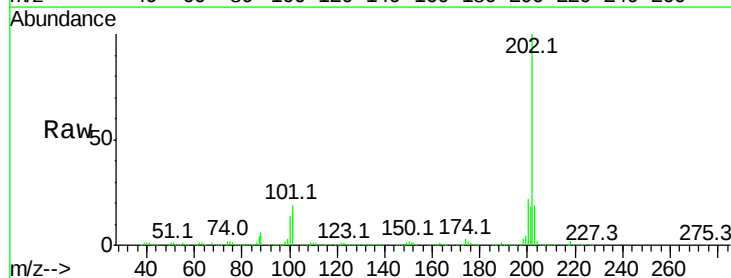
Tgt Ion:202 Resp: 667931

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

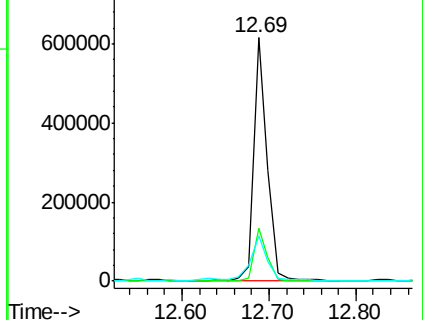
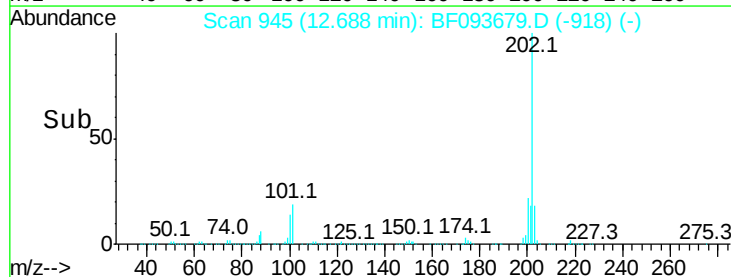
203 18.5 14.7 22.1

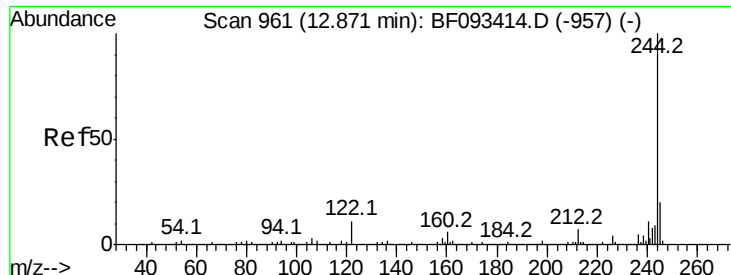


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.24 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

Instrument :

BNA_F

ClientSampleId :

E2-DD8-SSW

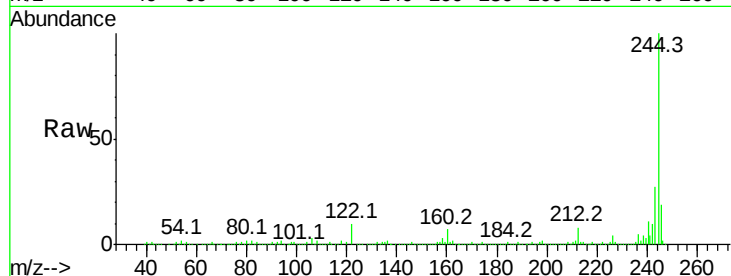
Tot Ion:244 Resp: 1000192

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

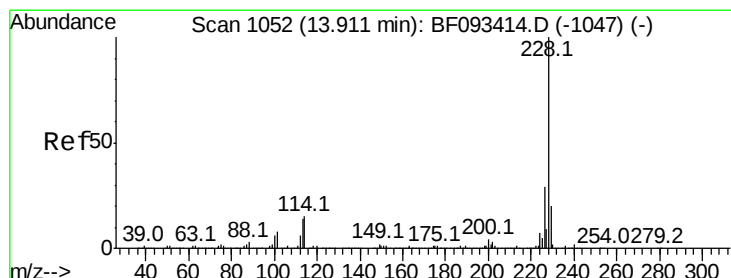
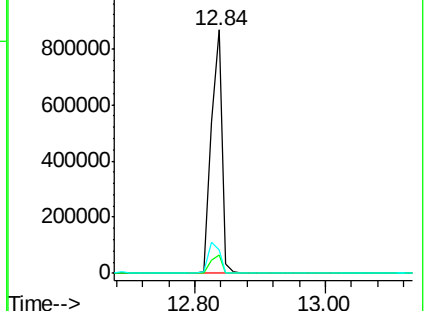
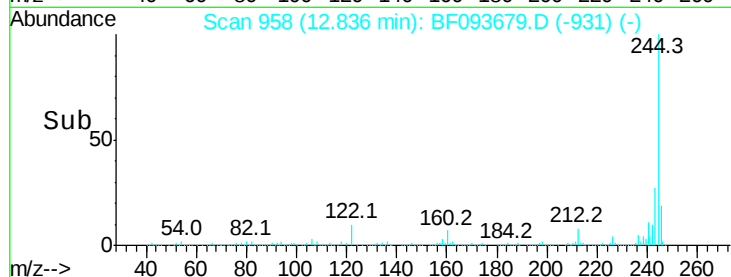
122 9.5 11.4 17.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 11.26 ng

RT: 13.92 min Scan# 1053

Delta R.T. 0.06 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

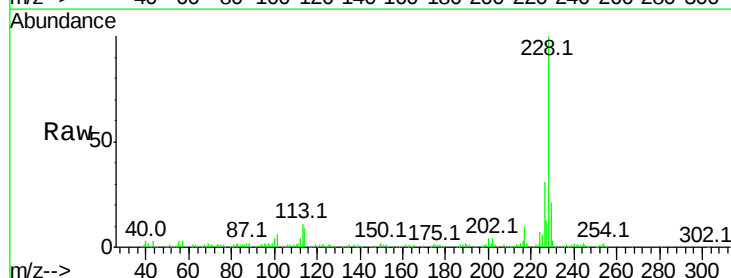
Tgt Ion:228 Resp: 223954

Ion Ratio Lower Upper

228 100

226 31.4 22.4 33.6

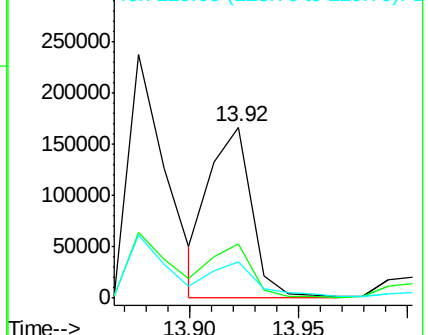
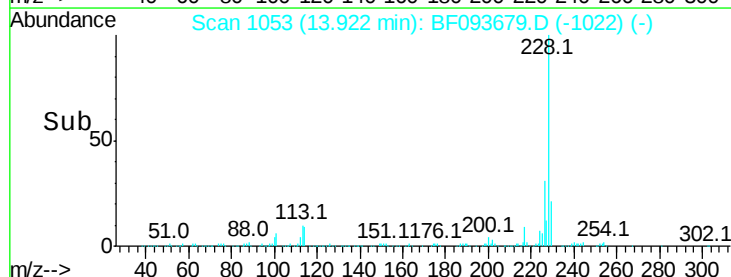
229 21.5 16.2 24.4

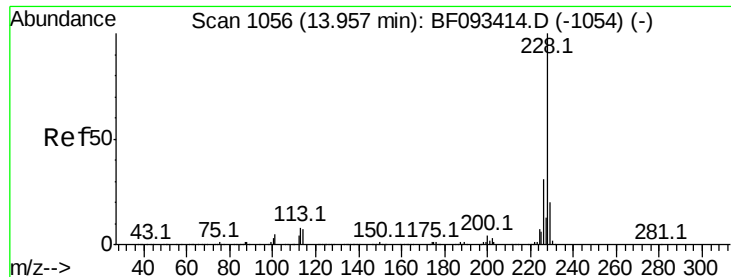


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.19 ng

RT: 13.92 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

Instrument :

BNA_F

ClientSampleId :

E2-DD8-SSW

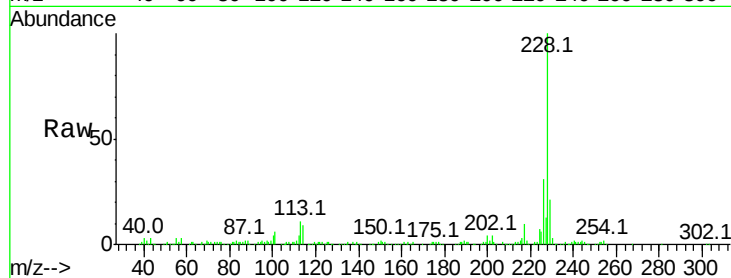
Tot Ion:228 Resp: 224232

Ion Ratio Lower Upper

228 100

226 31.4 25.4 38.0

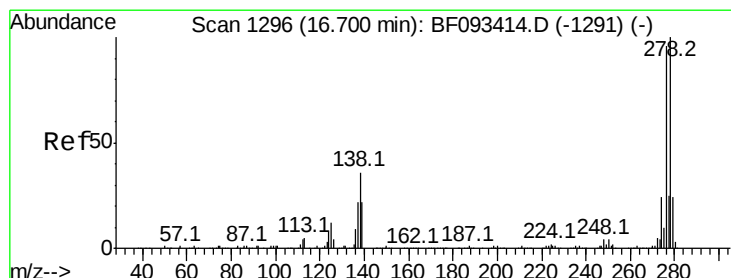
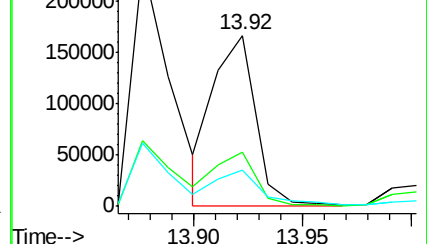
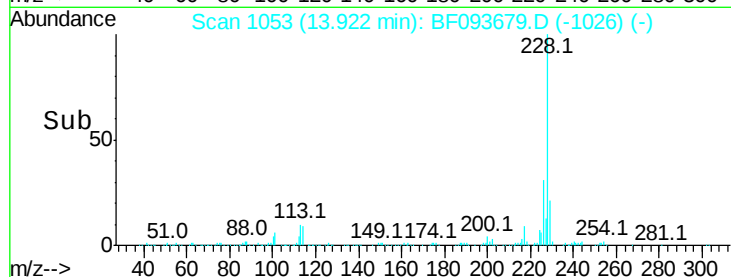
229 21.5 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.32 ng

RT: 16.65 min Scan# 1292

Delta R.T. 0.03 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

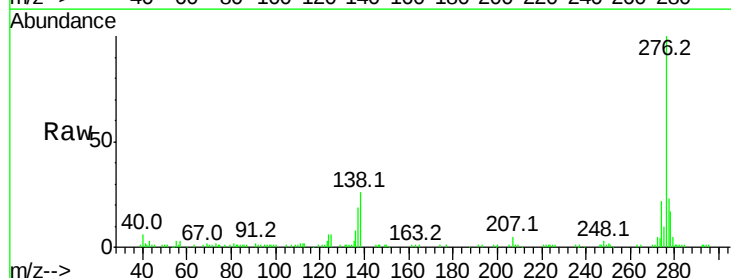
Tgt Ion:276 Resp: 158918

Ion Ratio Lower Upper

276 100

138 29.2 21.8 32.6

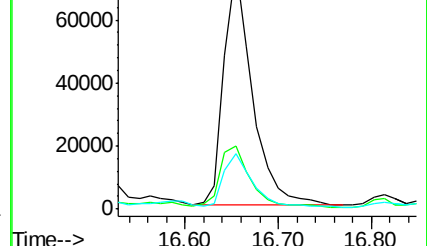
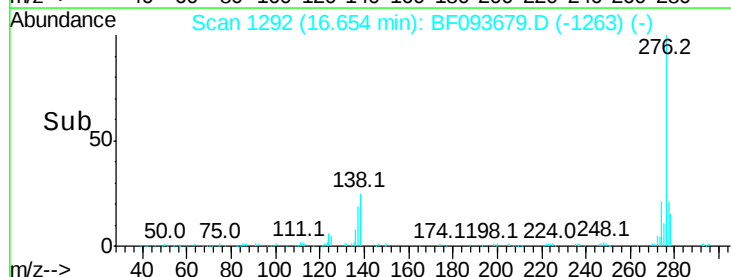
277 23.3 20.2 30.4

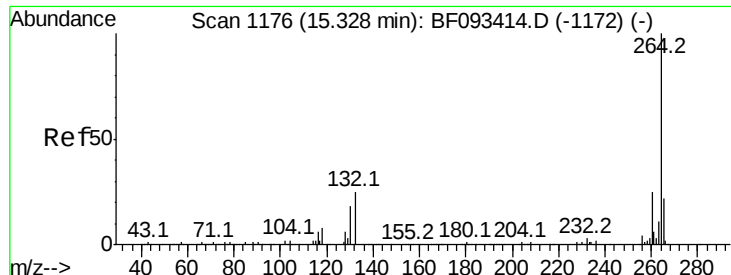


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

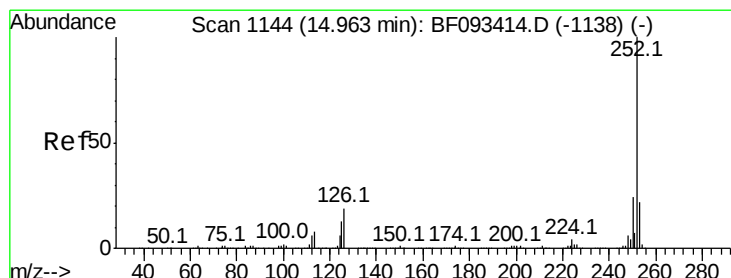
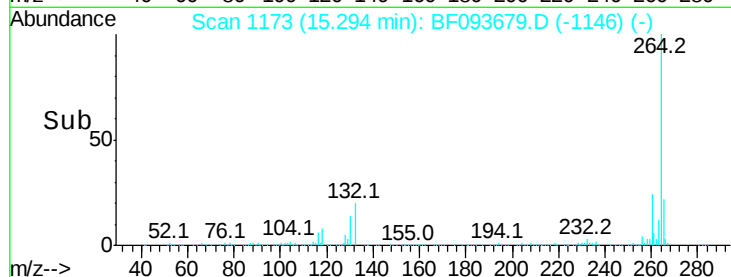
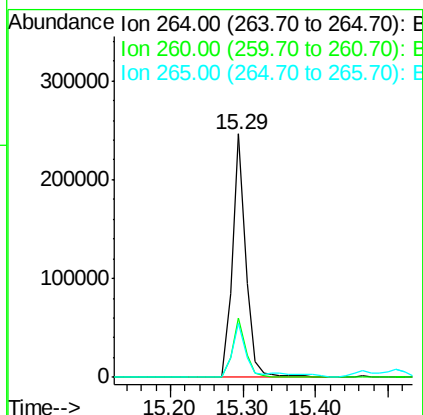
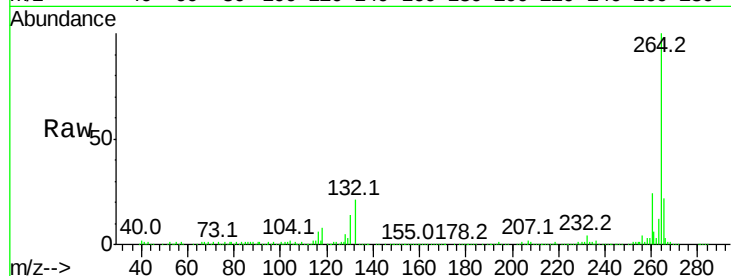




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

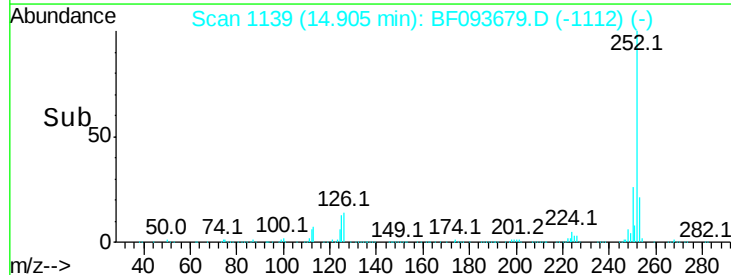
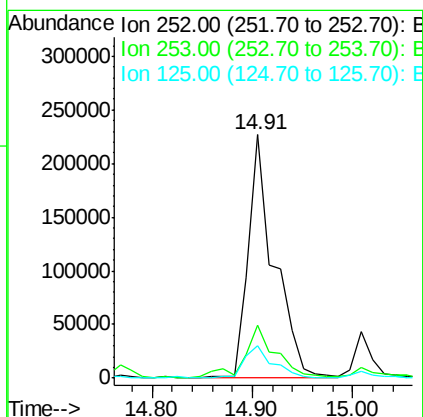
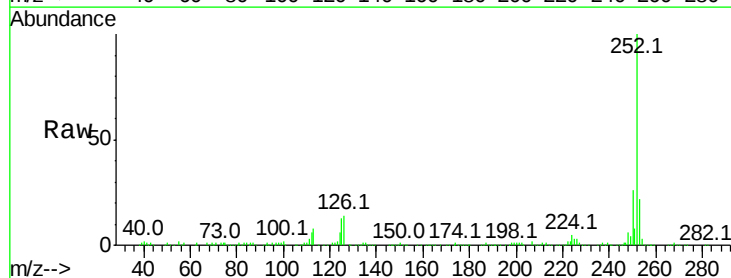
Instrument :
BNA_F
ClientSampleId :
E2-DD8-SSW

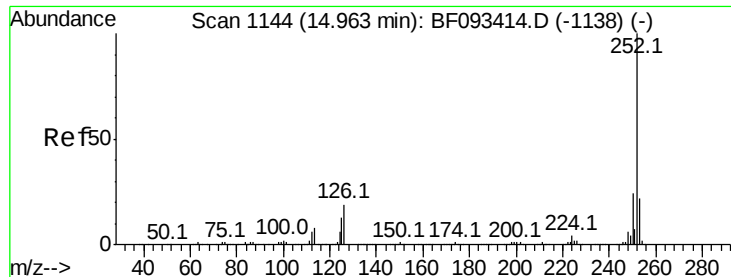
Tot Ion:264 Resp: 315020
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.5 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 20.99 ng
RT: 14.91 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

Tgt Ion:252 Resp: 402711
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.4
125 13.2 9.8 14.6





#88

Benzo(k)fluoranthene

Concen: 21.77 ng

RT: 14.91 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

Instrument :

BNA_F

ClientSampleId :

E2-DD8-SSW

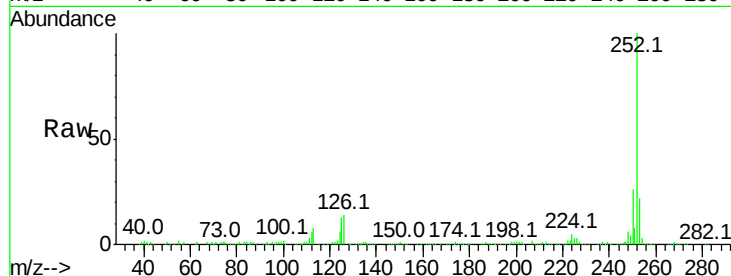
Tot Ion:252 Resp: 402711

Ion Ratio Lower Upper

252 100

253 21.8 18.5 27.7

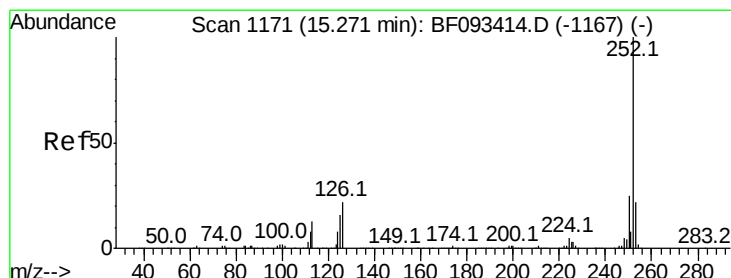
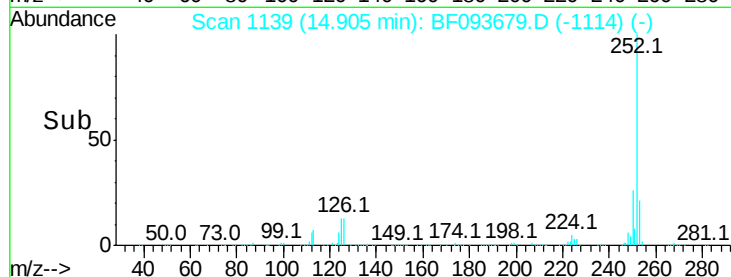
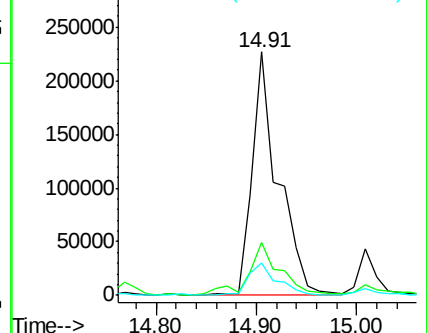
125 13.2 8.9 13.3



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: 13.93 ng

RT: 15.24 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

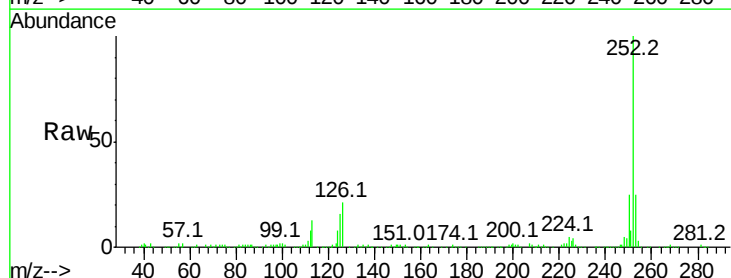
Tgt Ion:252 Resp: 244328

Ion Ratio Lower Upper

252 100

253 25.4 18.2 27.2

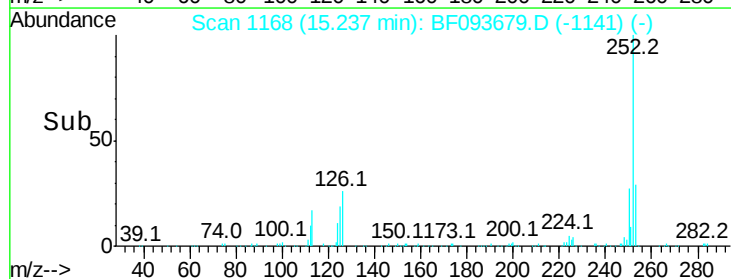
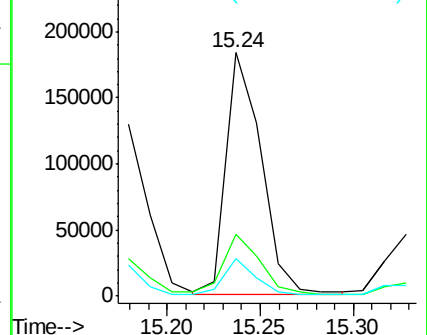
125 15.5 10.0 15.0#

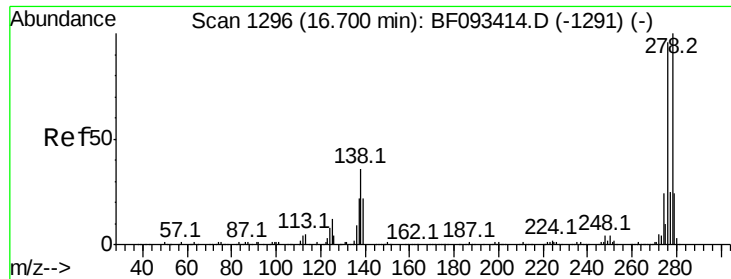


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

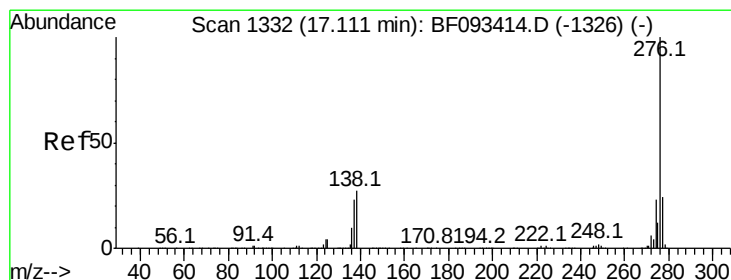
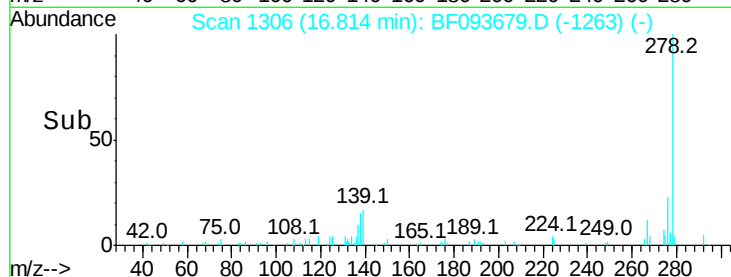
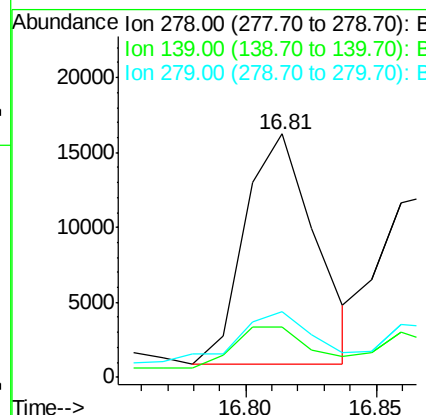
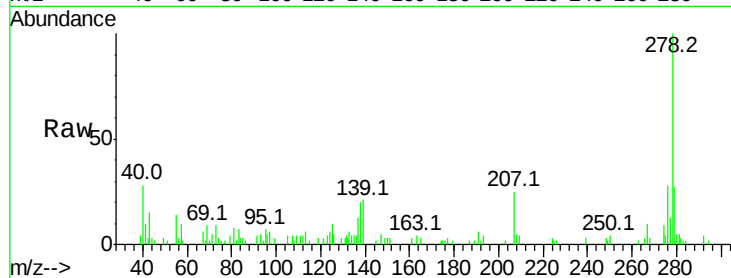




#90
Dibenzo(a,h)anthracene
Concen: 2.00 ng
RT: 16.81 min Scan# 1306
Delta R.T. 0.19 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

Instrument :
BNA_F
ClientSampleId :
E2-DD8-SSW

Tot Ion:278 Resp: 29068
Ion Ratio Lower Upper
278 100
139 20.7 14.8 22.2
279 27.1 19.8 29.6



#91
Benzo(g,h,i)perylene
Concen: 10.82 ng
RT: 17.05 min Scan# 1327
Delta R.T. 0.03 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

Tgt Ion:276 Resp: 161068
Ion Ratio Lower Upper
276 100
277 25.1 19.2 28.8
138 31.1 16.0 24.0#

