

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 03:06:37 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

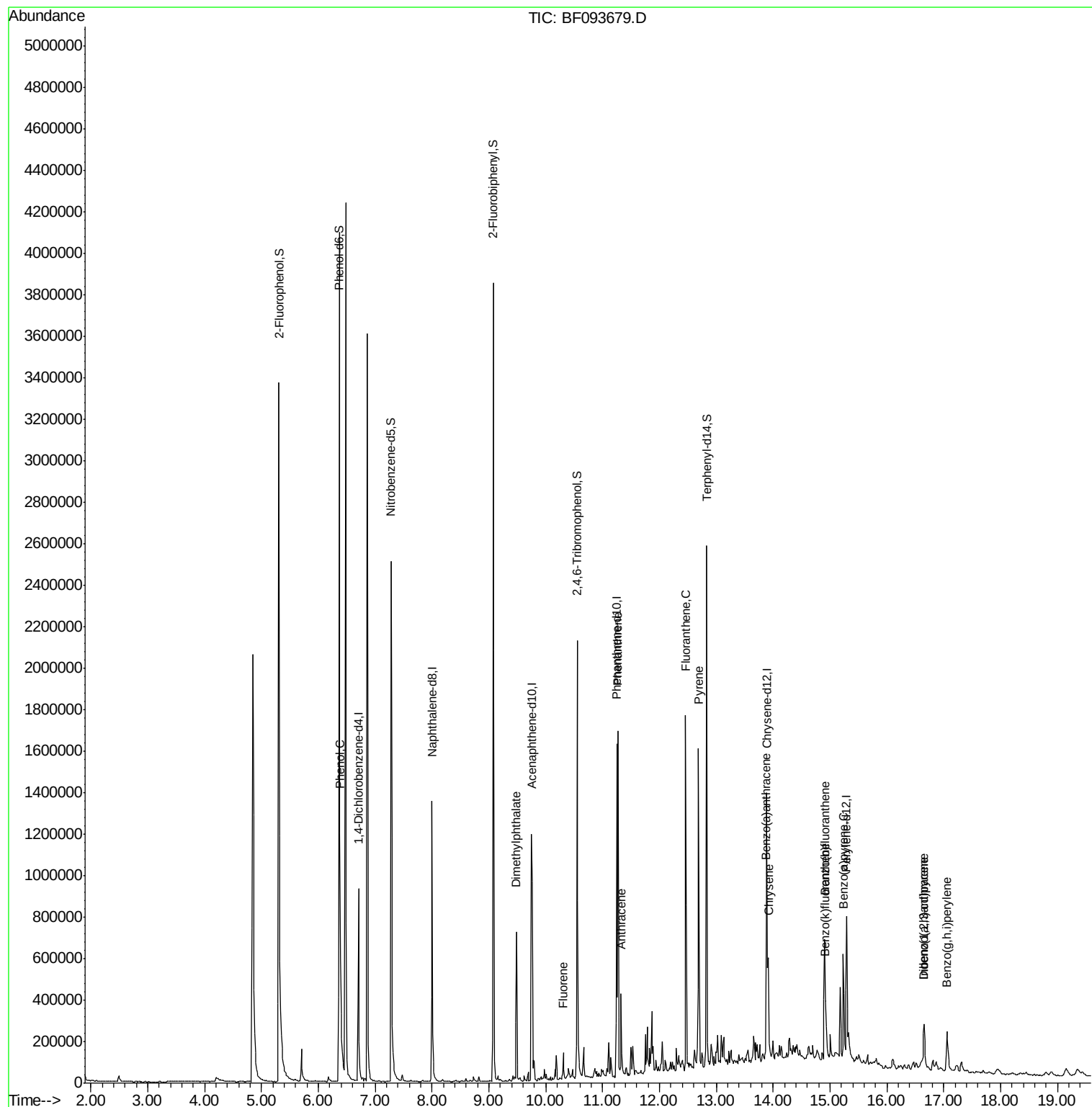
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	171111	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	681460	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	313121	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	535808	20.00	ng	0.00
75) Chrysene-d12	13.89	240	336674	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
10) Phenol	6.38	94	134882	8.49	ng	89
49) Dimethylphthalate	9.49	163	332391	16.01	ng	99
57) Fluorene	10.31	166	38380	2.13	ng	95
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) Pyrene	12.69	202	667931	27.28	ng	99
80) Benzo(a)anthracene	13.88	228	289338m	14.55	ng	
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	295976m	15.43	ng	
88) Benzo(k)fluoranthene	14.92	252	109992m	5.94	ng	
89) Benzo(a)pyrene	15.24	252	244328	13.93	ng	# 94
90) Dibenzo(a,h)anthracene	16.65	278	37624m	2.59	ng	
91) Benzo(a,h,i)perylene	17.05	276	161068	10.82	ng	# 88

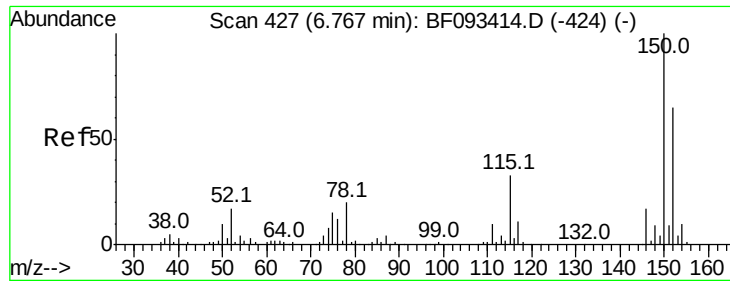
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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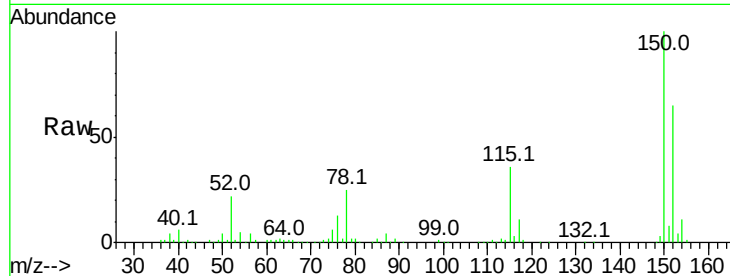


#1

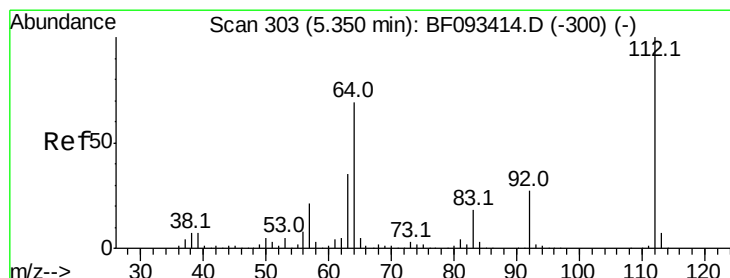
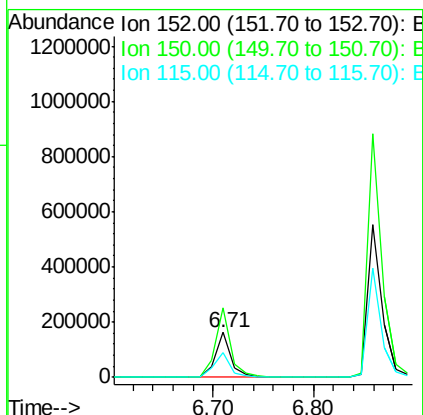
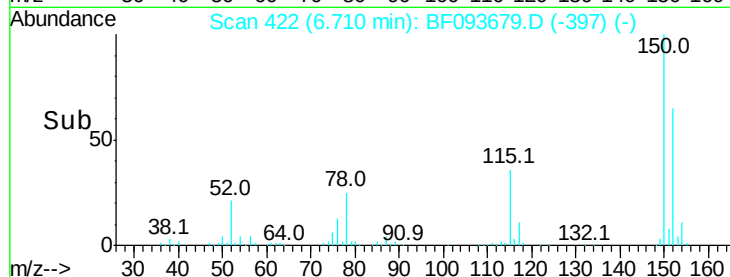
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

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



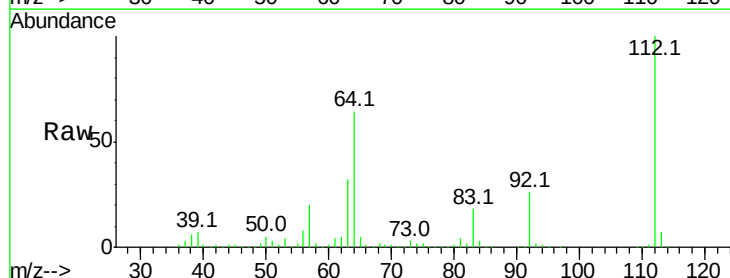
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



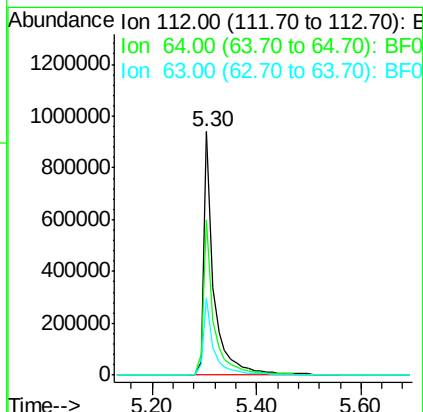
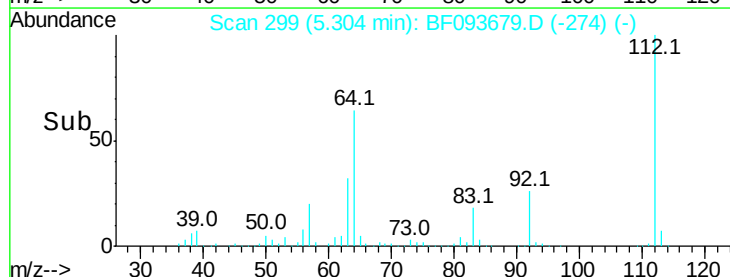
#5

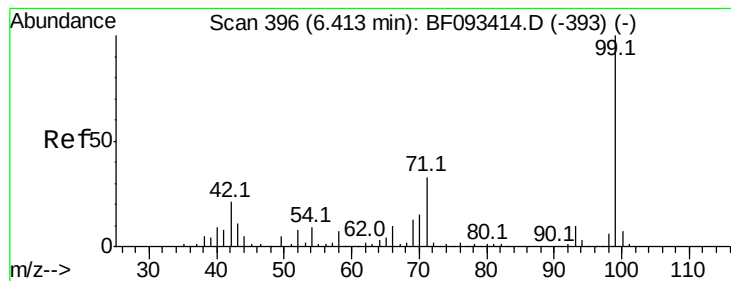
2-Fluorophenol
Concen: 123.92 ng
RT: 5.30 min Scan# 299
Delta R.T. -0.01 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

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





#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

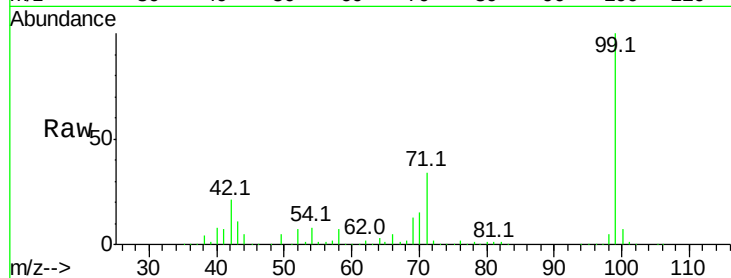
Tot Ion: 99 Resp: 1621594

Ion Ratio Lower Upper

99 100

42 21.2 15.6 23.4

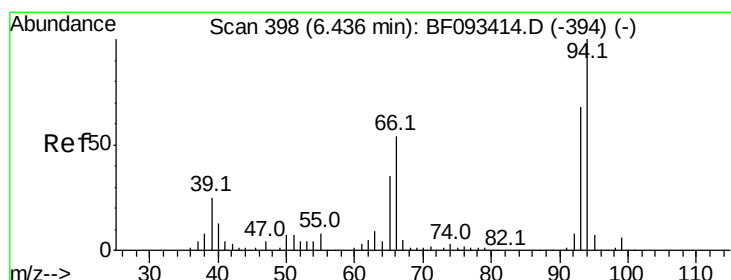
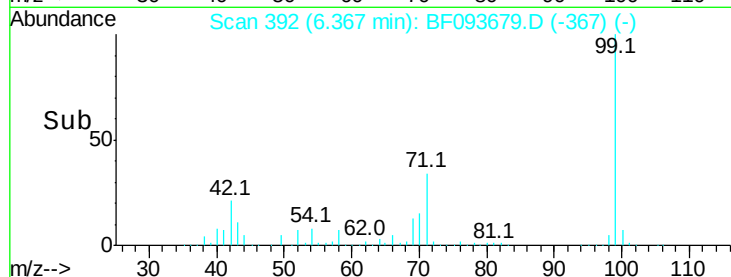
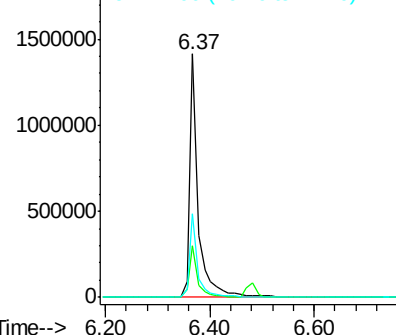
71 34.1 27.5 41.3



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

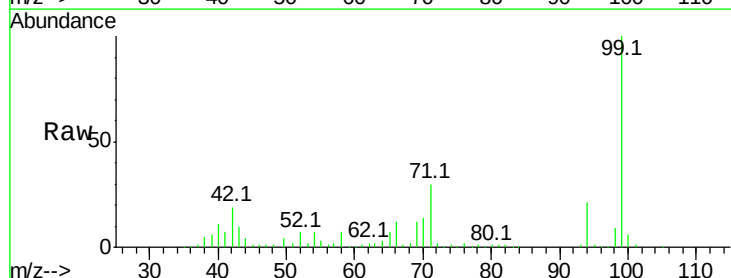
Tgt Ion: 94 Resp: 134882

Ion Ratio Lower Upper

94 100

65 31.2 21.4 61.4

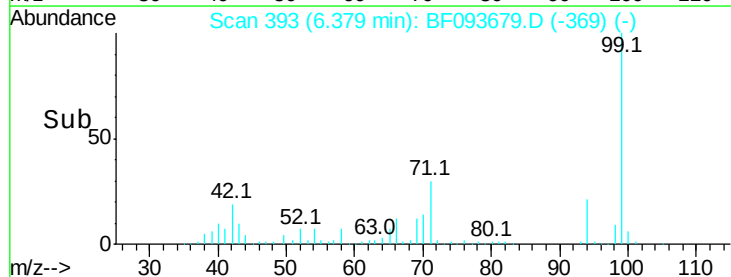
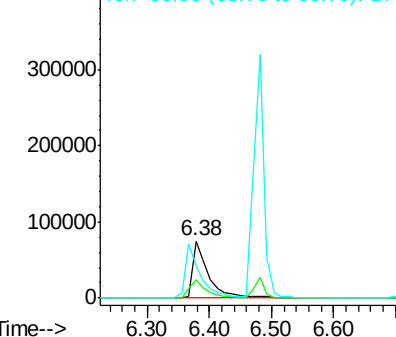
66 57.4 44.0 84.0

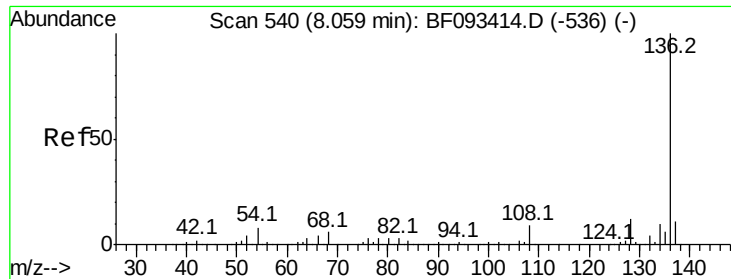


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

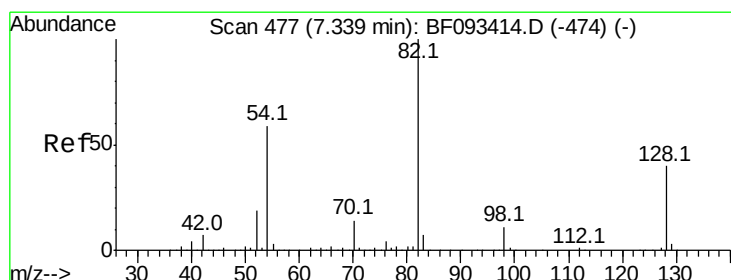
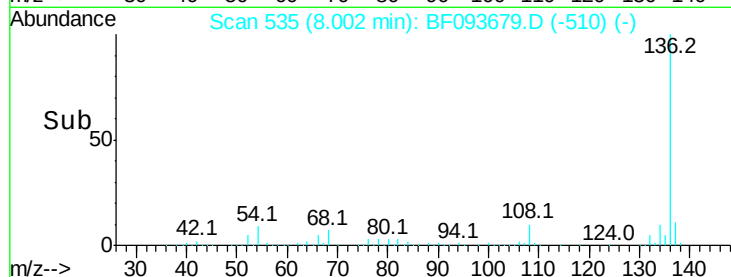
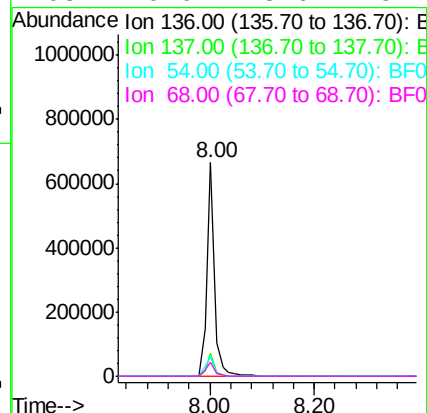
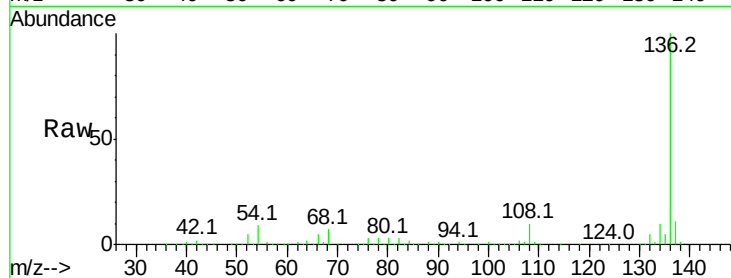




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

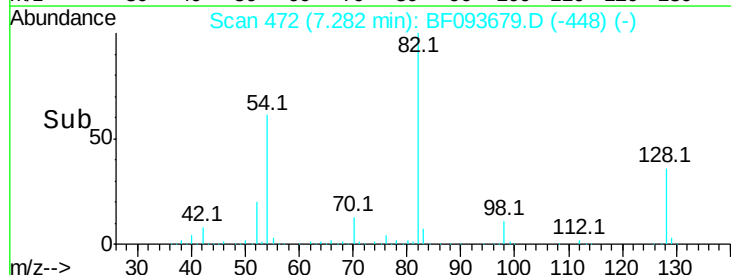
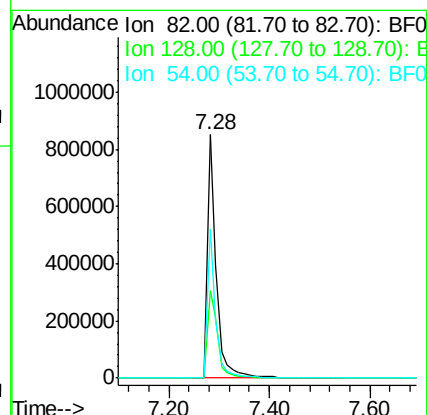
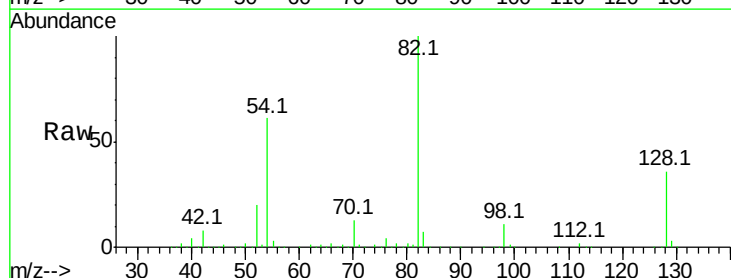
Instrument :
BNA_F
ClientSampleId :
E2-DD8-SSW

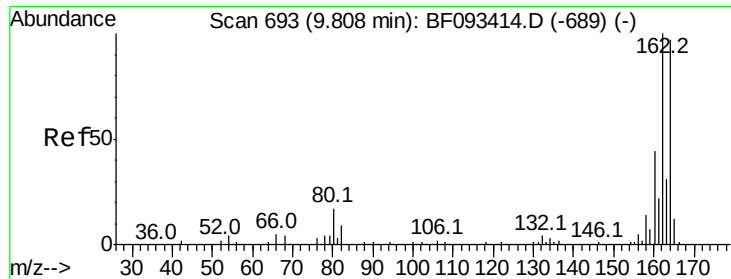
Tot Ion:	136	Resp:	681460
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	9.0	4.5	6.7#
68	6.6	3.6	5.4#



#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

Tgt Ion:	82	Resp:	1024673
Ion	Ratio	Lower	Upper
82	100		
128	36.2	34.6	52.0
54	60.9	39.5	59.3#

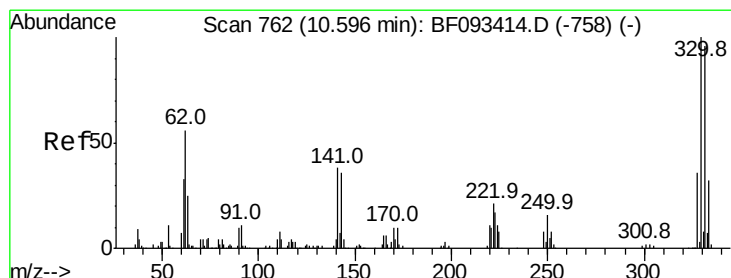
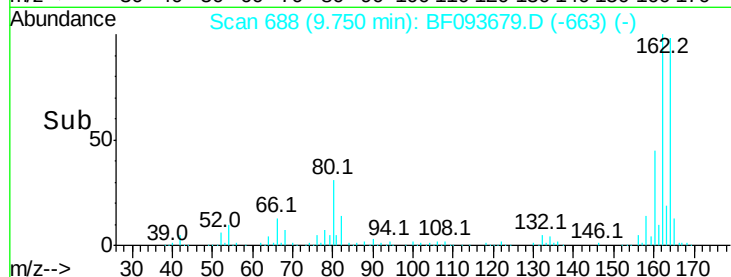
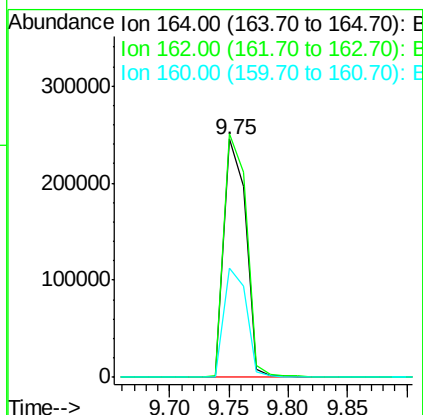
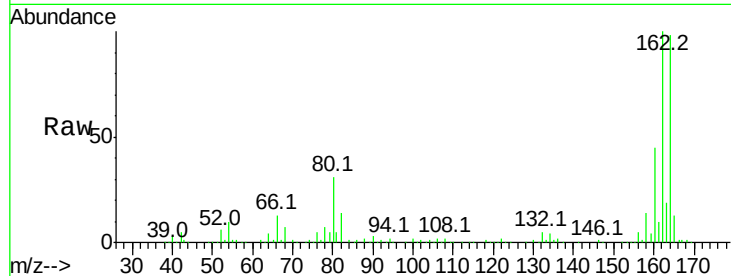




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

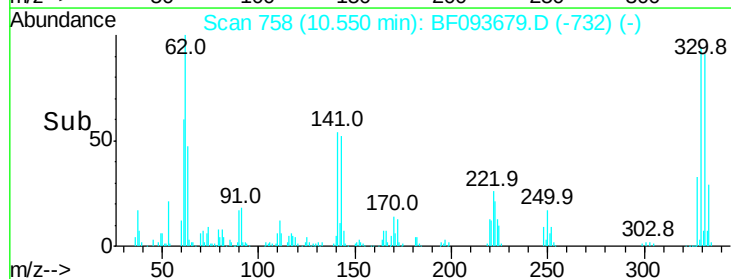
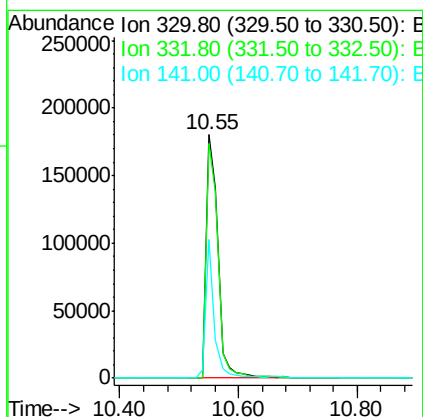
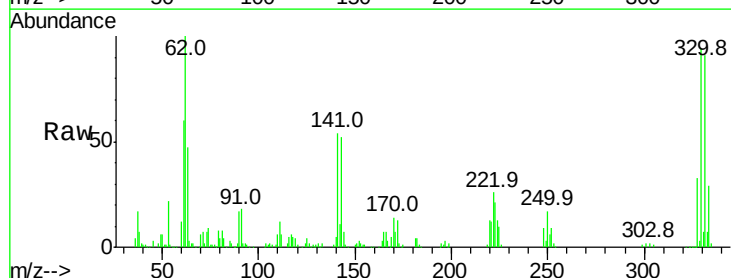
Instrument :
BNA_F
ClientSampleId :
E2-DD8-SSW

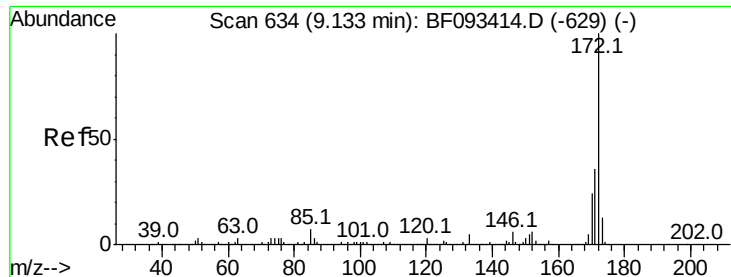
Tot Ion:164 Resp: 313121
Ion Ratio Lower Upper
164 100
162 102.1 80.2 120.2
160 45.8 36.9 55.3



#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



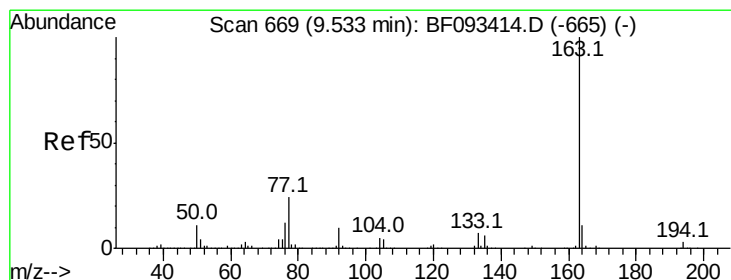
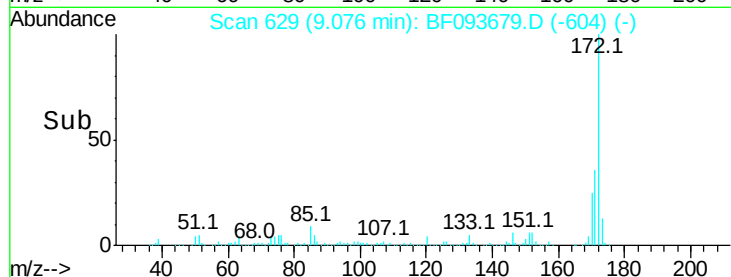
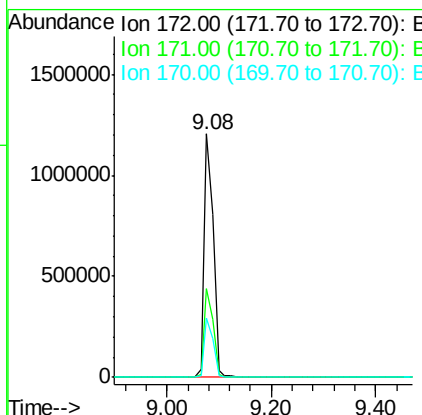
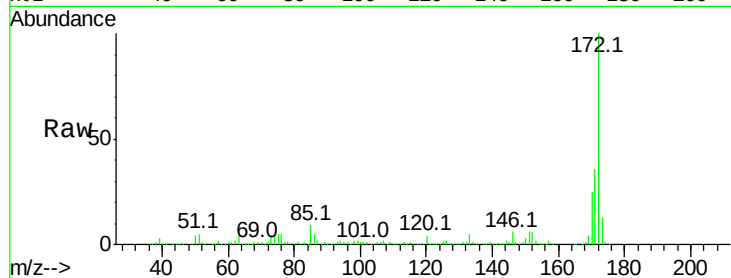


#44
 2-Fluorobiphenyl
 Concen: 86.66 ng
 RT: 9.08 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF093679.D
 Acq: 15 Mar 2017 20:26

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD8-SSW

Tot Ion:172 Resp: 1458813

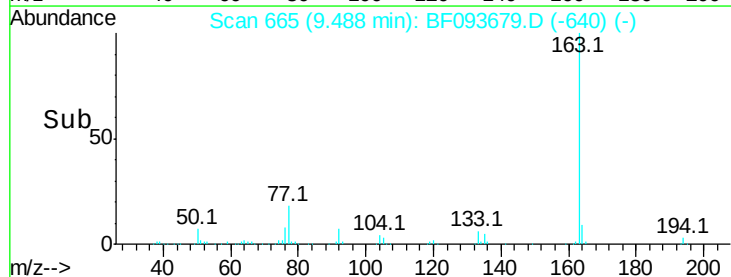
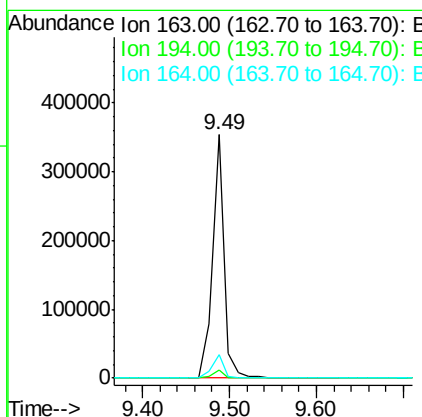
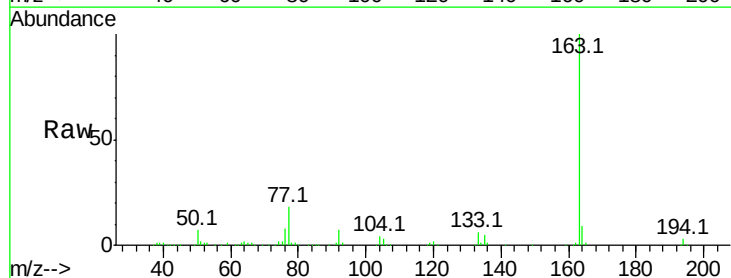
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.6	20.2	30.4

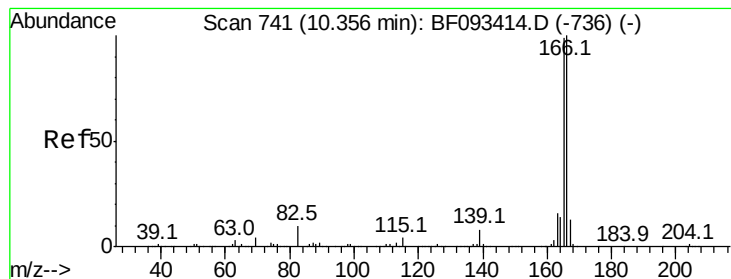


#49
 Dimethylphthalate
 Concen: 16.01 ng
 RT: 9.49 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: BF093679.D
 Acq: 15 Mar 2017 20:26

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





#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

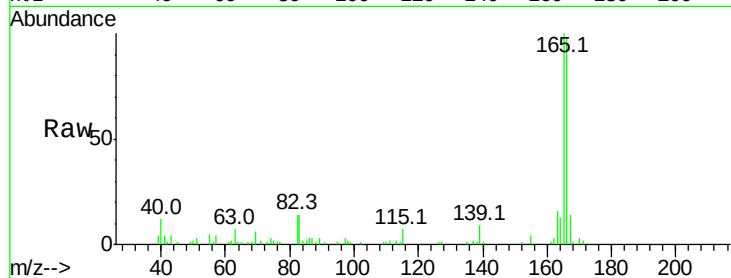
Tot Ion:166 Resp: 38380

Ion Ratio Lower Upper

166 100

165 102.0 77.8 116.8

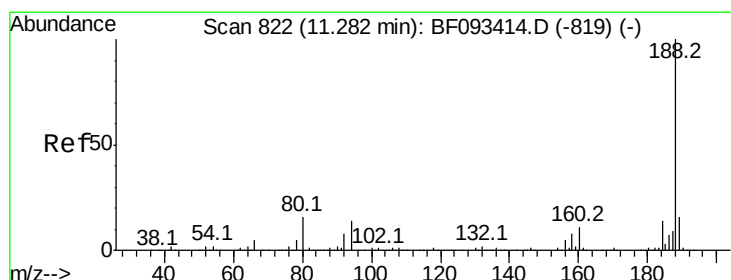
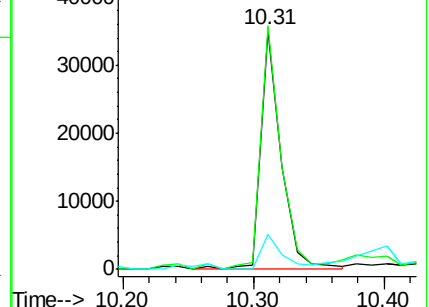
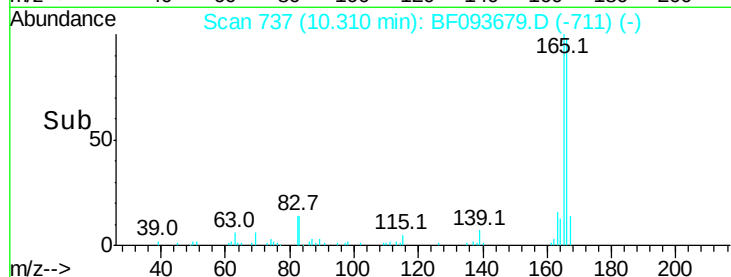
167 14.7 10.8 16.2



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

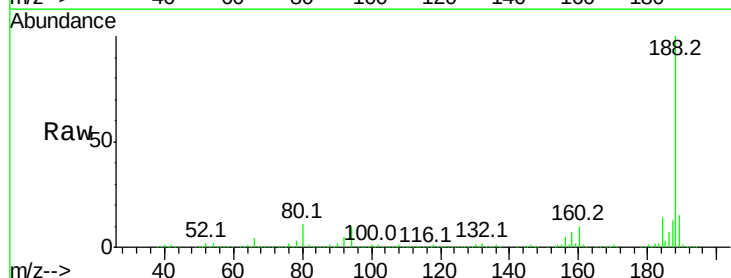
Tgt Ion:188 Resp: 535808

Ion Ratio Lower Upper

188 100

94 10.3 10.0 15.0

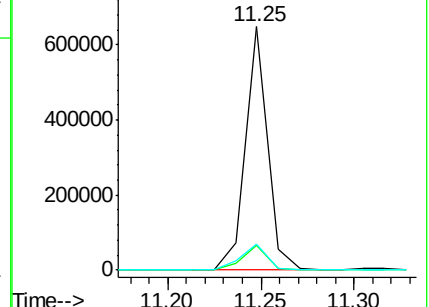
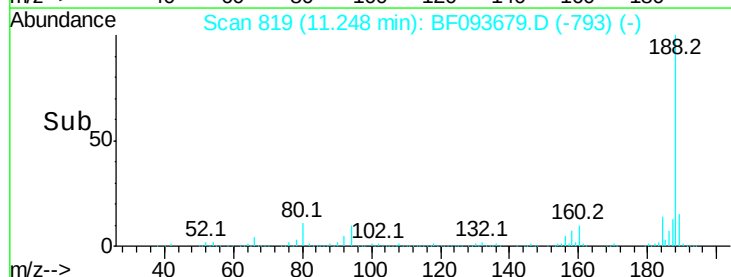
80 10.6 11.2 16.8#

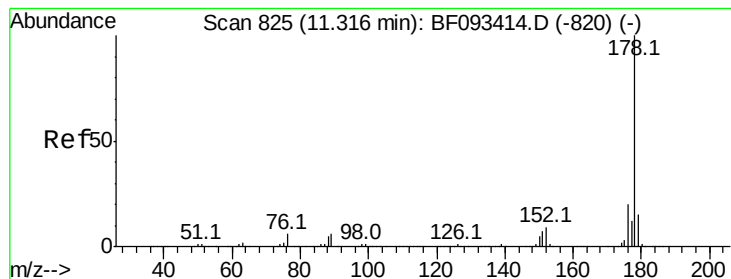


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#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

Instrument :

BNA_F

ClientSampleId :

E2-DD8-SSW

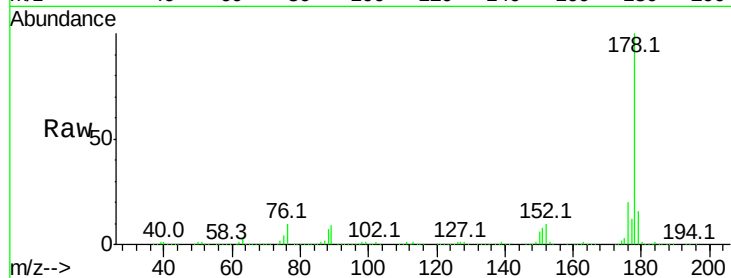
Tot Ion:178 Resp: 611987

Ion Ratio Lower Upper

178 100

176 19.8 16.6 25.0

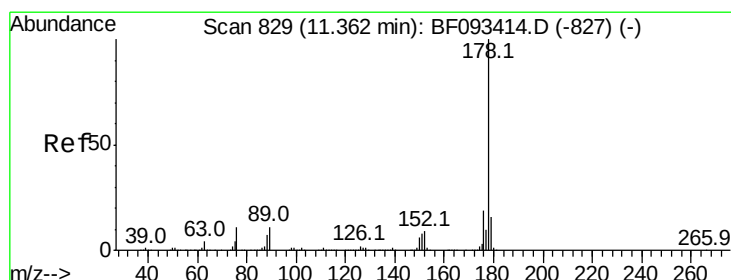
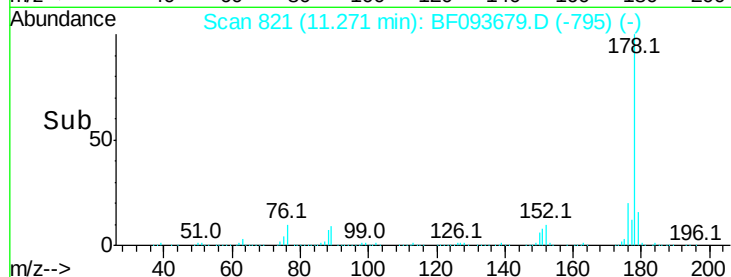
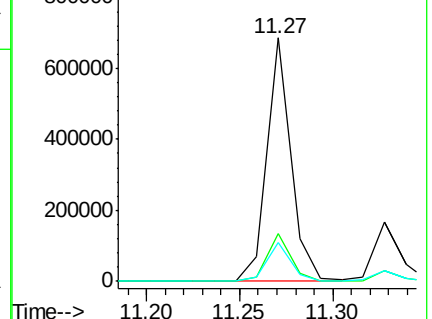
179 15.8 12.8 19.2



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: 5.17 ng

RT: 11.33 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

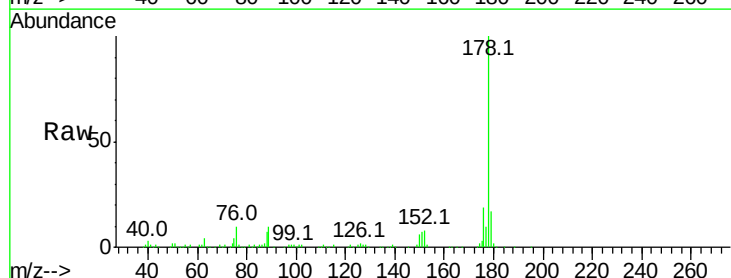
Tgt Ion:178 Resp: 159836

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

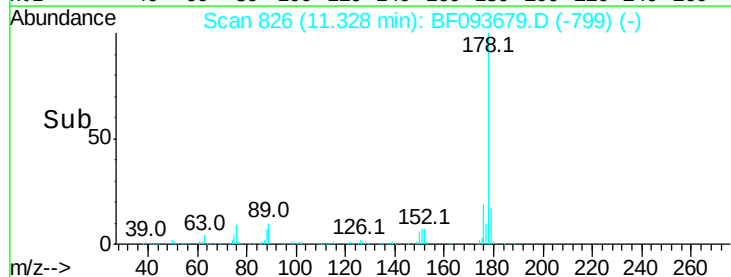
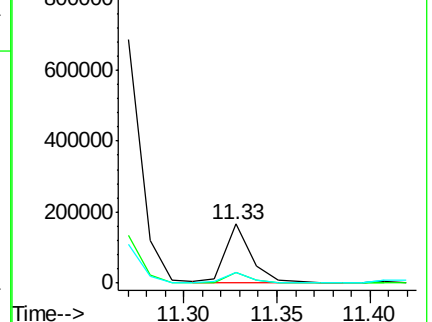
179 17.4 13.2 19.8

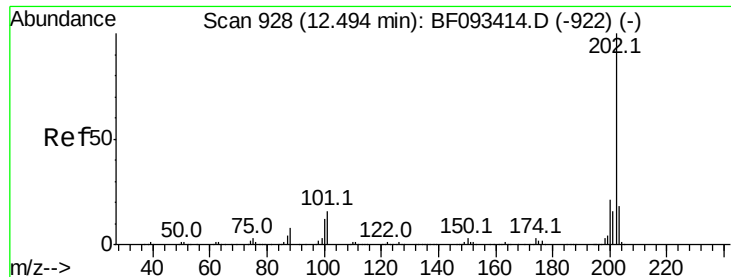


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

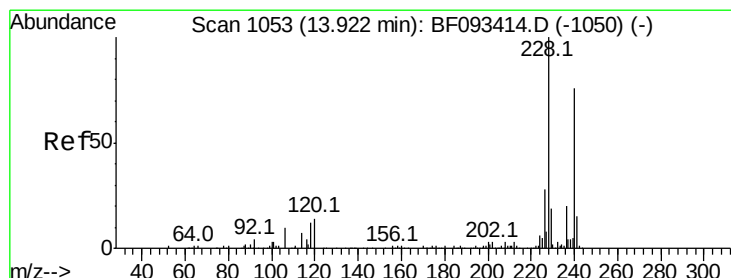
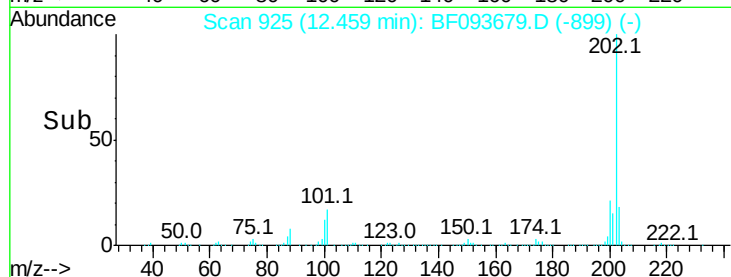
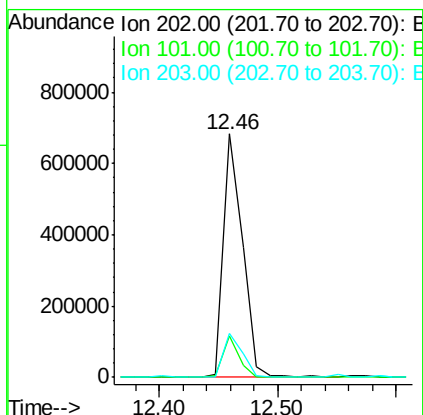
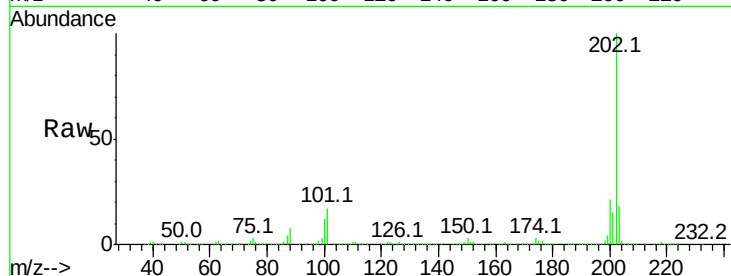




#74
Fluoranthene
Concen: 25.39 ng
RT: 12.46 min Scan# 925
Delta R.T. -0.00 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

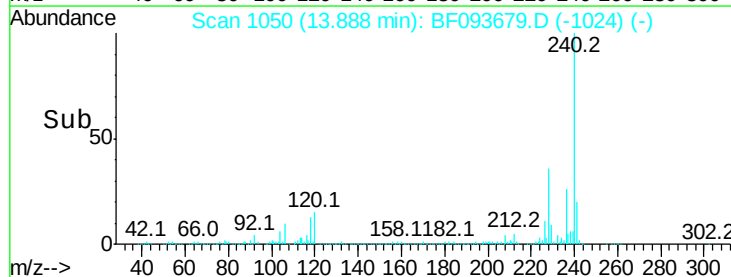
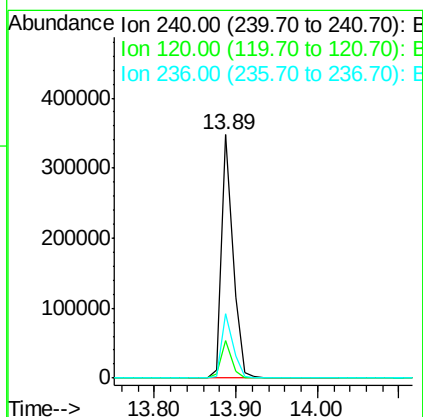
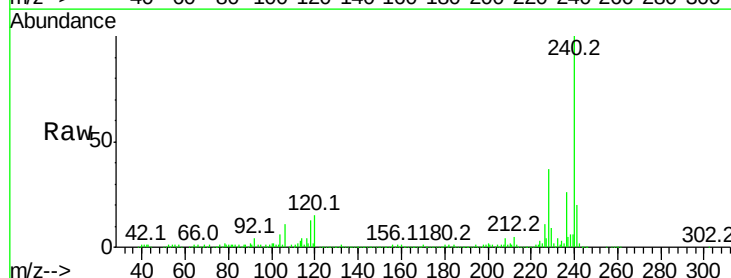
Instrument :
BNA_F
ClientSampleId :
E2-DD8-SSW

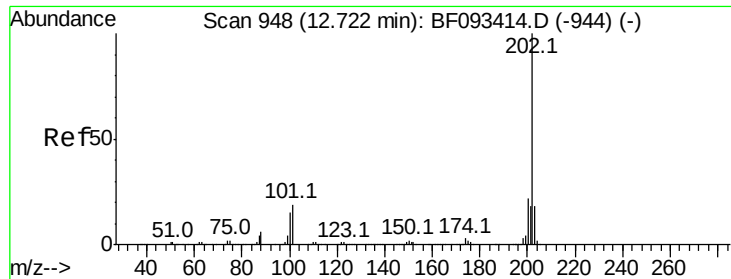
Tot Ion:202 Resp: 750062
Ion Ratio Lower Upper
202 100
101 17.2 0.0 34.6
203 17.8 0.0 38.7



#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

Tgt Ion:240 Resp: 336674
Ion Ratio Lower Upper
240 100
120 15.3 12.9 19.3
236 26.2 20.9 31.3





#77

Pvrene

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

Instrument :

BNA_F

ClientSampleId :

E2-DD8-SSW

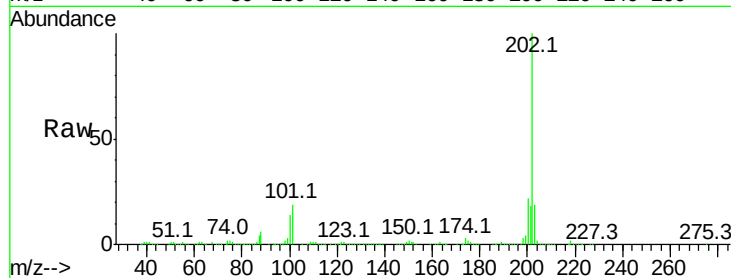
Tot Ion:202 Resp: 667931

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

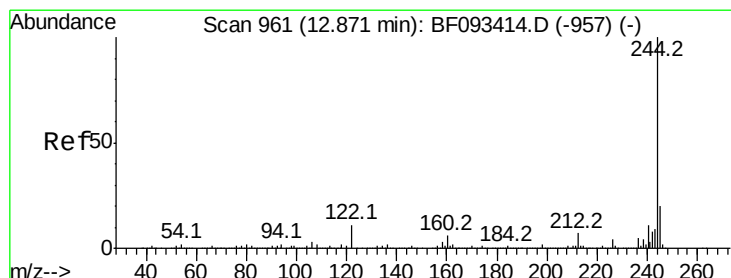
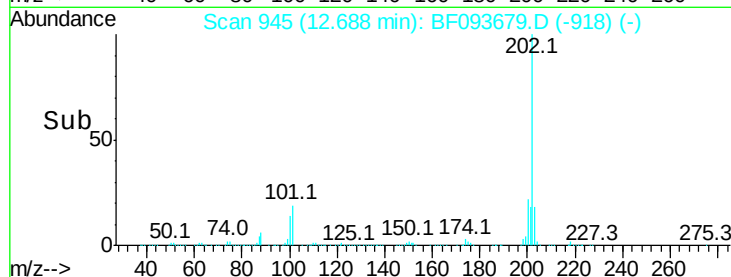
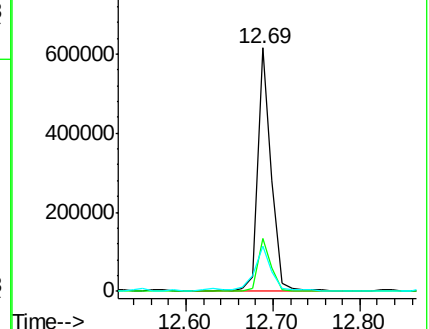
203 18.5 14.7 22.1



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

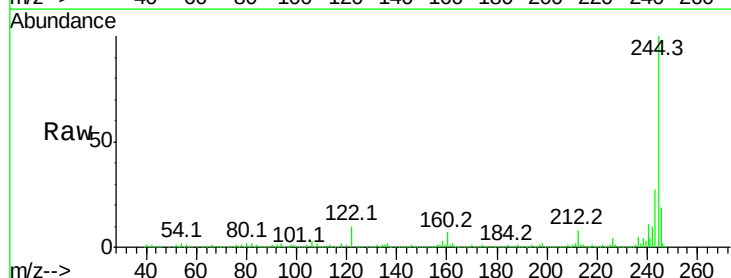
Tgt Ion:244 Resp: 1000192

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

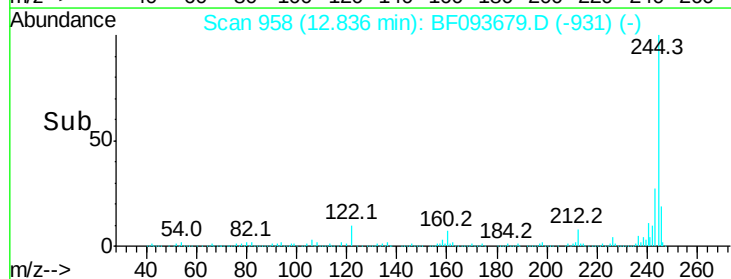
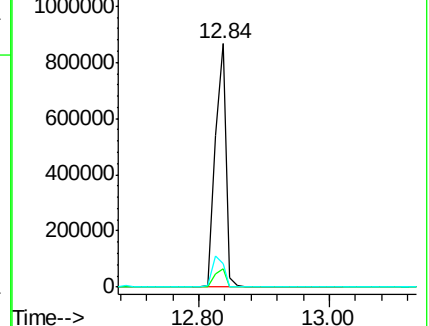
122 9.5 11.4 17.2#

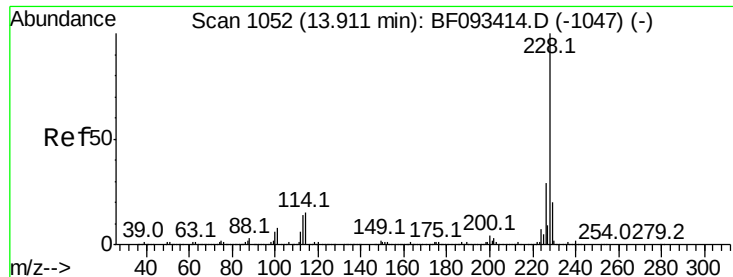


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

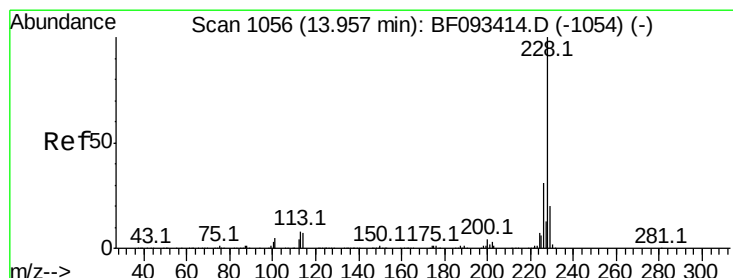
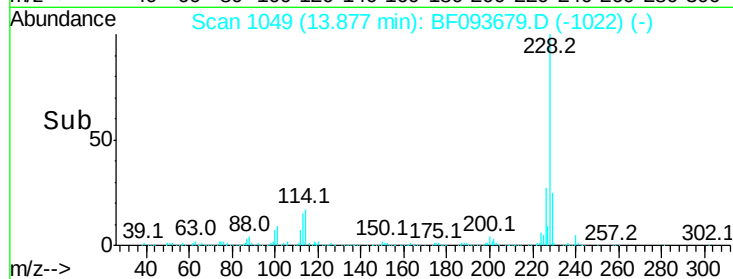
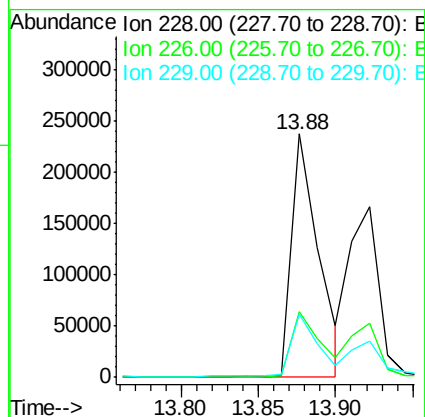
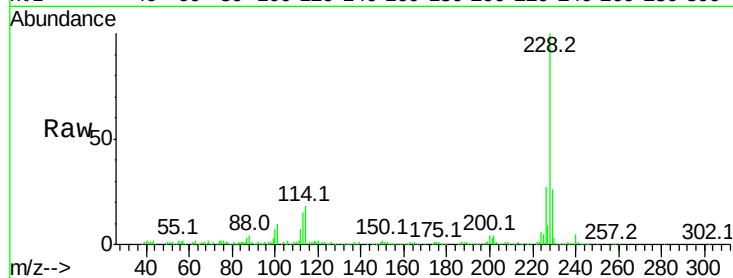




#80
Benzo(a)anthracene
Concen: 14.55 ng m
RT: 13.88 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

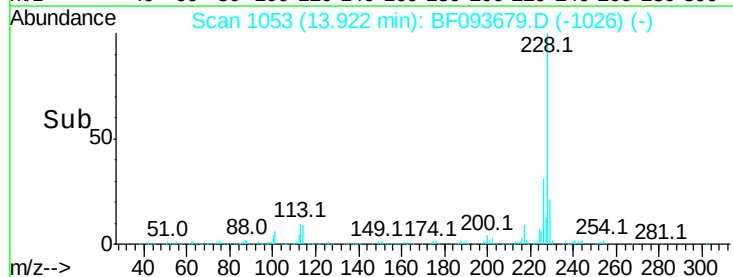
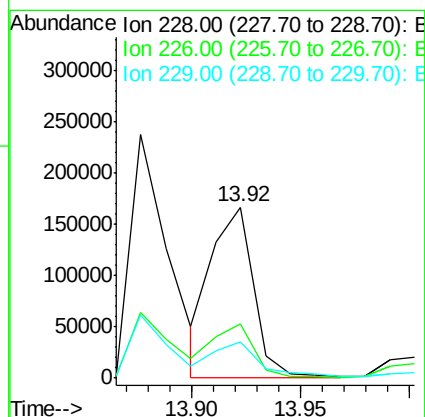
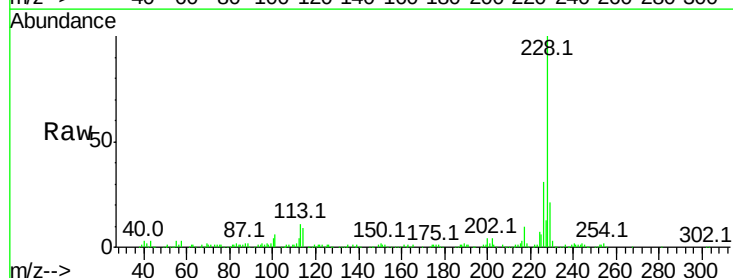
Instrument :
BNA_F
ClientSampleId :
E2-DD8-SSW

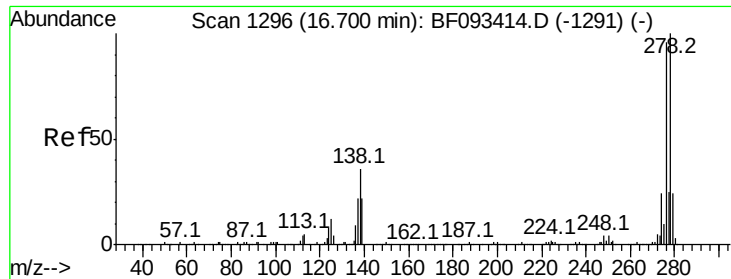
Tot Ion:228 Resp: 289338
Ion Ratio Lower Upper
228 100
226 27.2 22.4 33.6
229 25.8 16.2 24.4#



#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

Tgt Ion:228 Resp: 224232
Ion Ratio Lower Upper
228 100
226 31.4 25.4 38.0
229 21.5 16.2 24.2

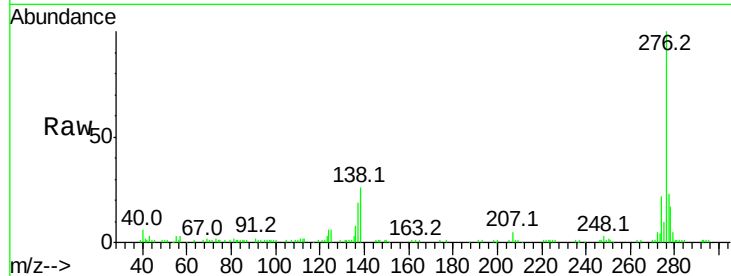




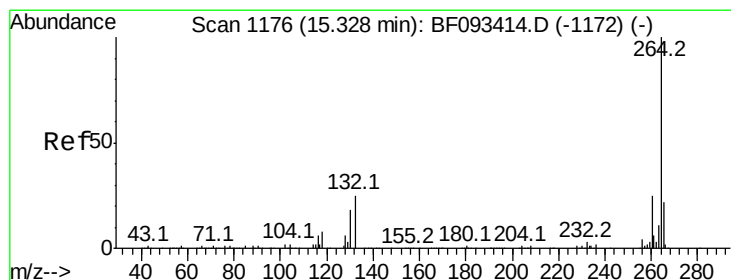
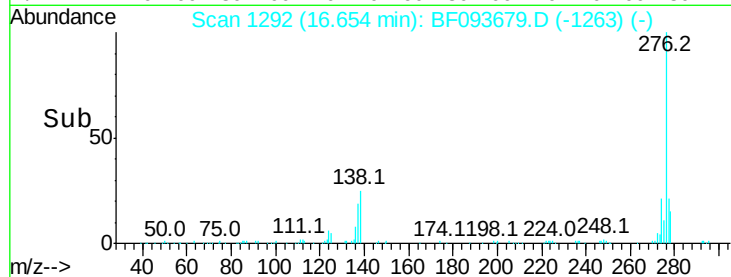
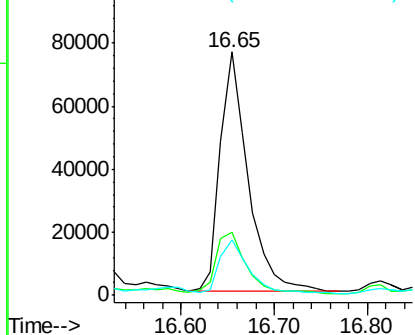
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.32 ng
 RT: 16.65 min Scan# 1292
 Delta R.T. 0.03 min
 Lab File: BF093679.D
 Acq: 15 Mar 2017 20:26

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD8-SSW

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	21.8	32.6
277	23.3	20.2	30.4

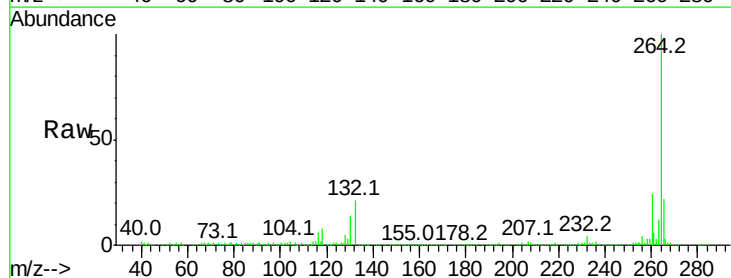


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

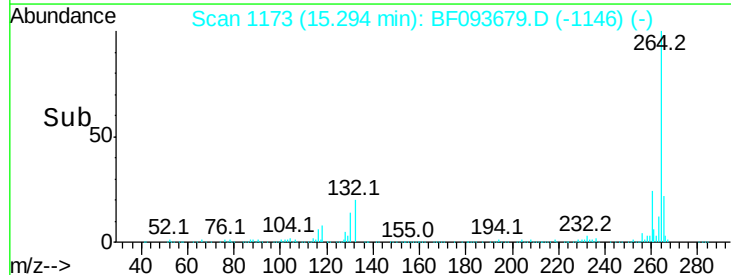
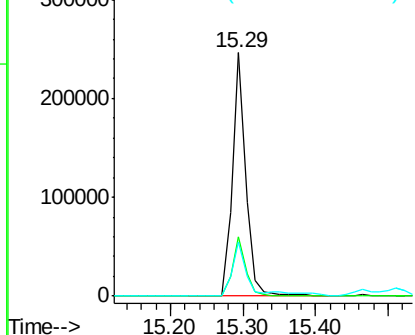


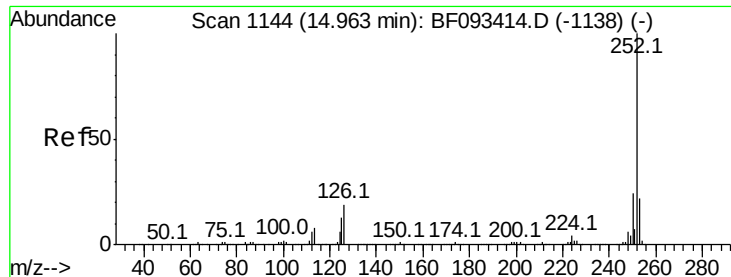
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: BF093679.D
 Acq: 15 Mar 2017 20:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.5	17.4	26.0



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: 15.43 ng m

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

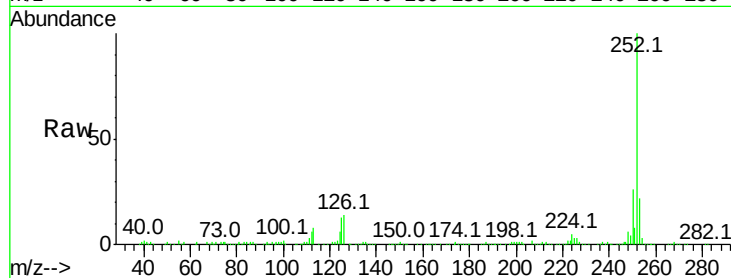
Tot Ion:252 Resp: 295976

Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.4

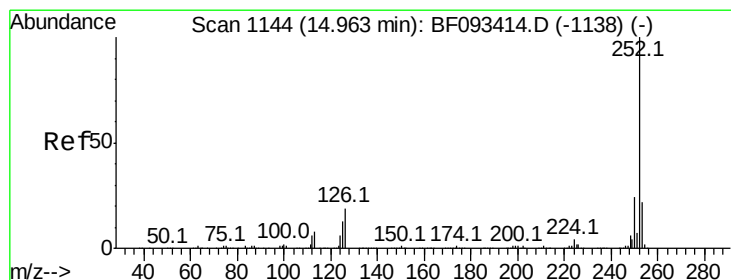
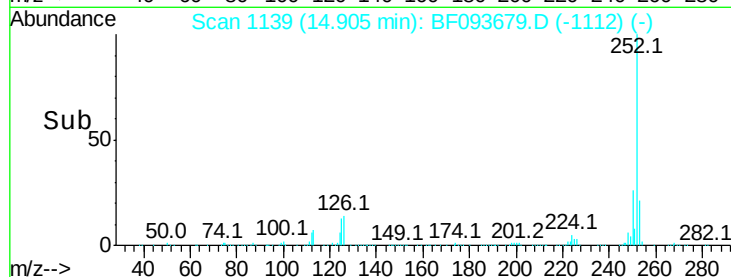
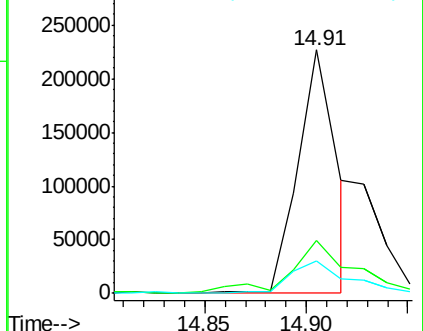
125 13.2 9.8 14.6



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: 5.94 ng m

RT: 14.92 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BF093679.D

Acq: 15 Mar 2017 20:26

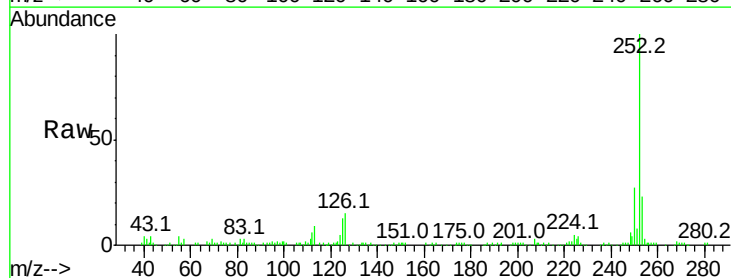
Tgt Ion:252 Resp: 109992

Ion Ratio Lower Upper

252 100

253 23.4 18.5 27.7

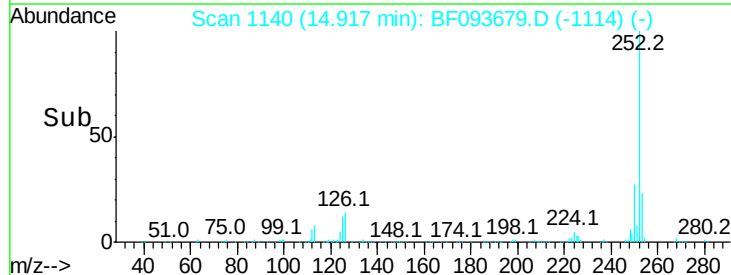
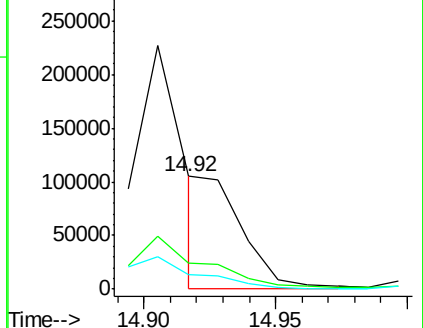
125 12.8 8.9 13.3

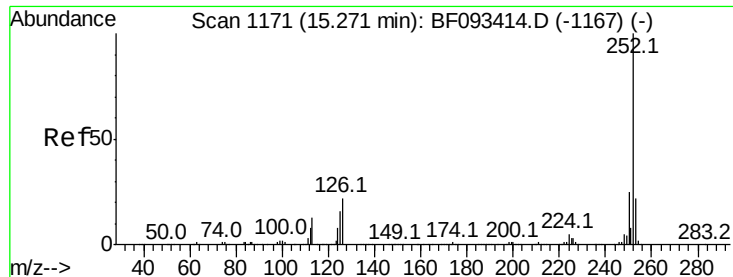


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

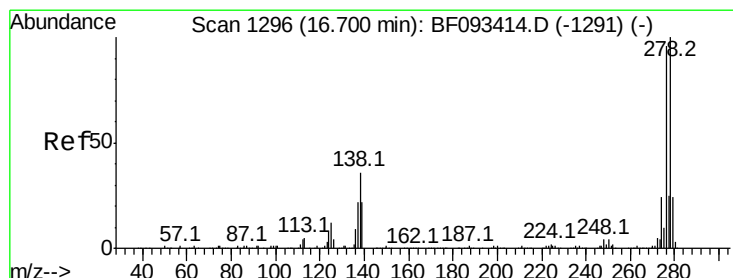
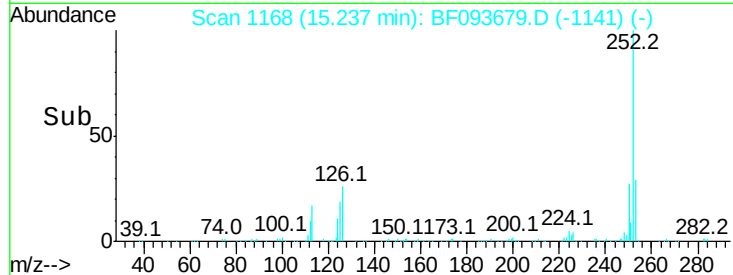
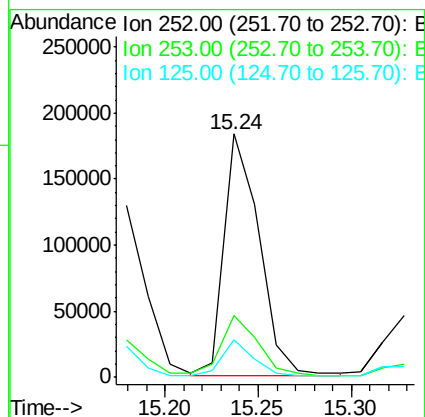
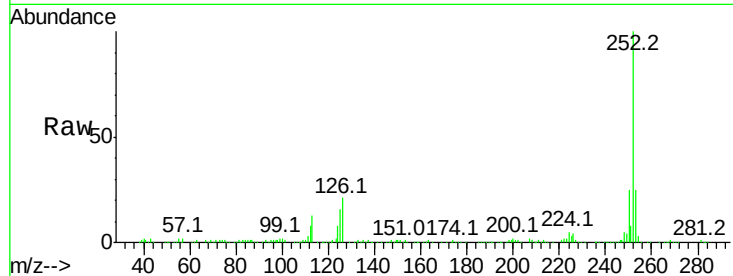




#89
Benzo(a)pyrene
Concen: 13.93 ng
RT: 15.24 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

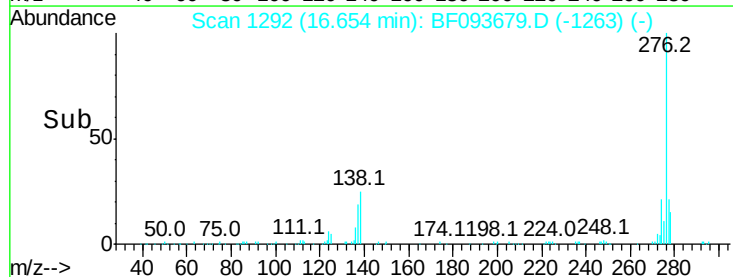
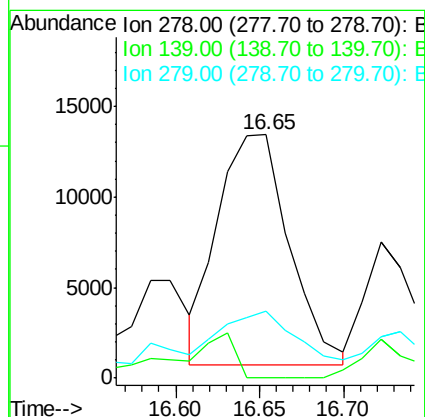
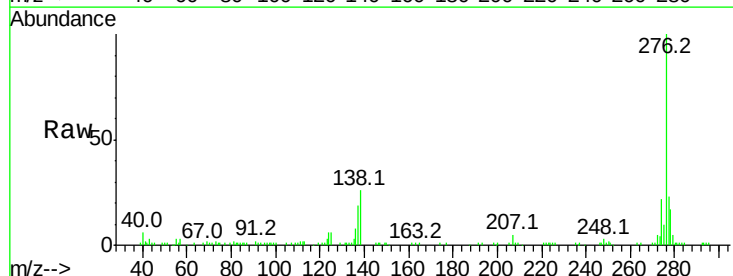
Instrument :
BNA_F
ClientSampleId :
E2-DD8-SSW

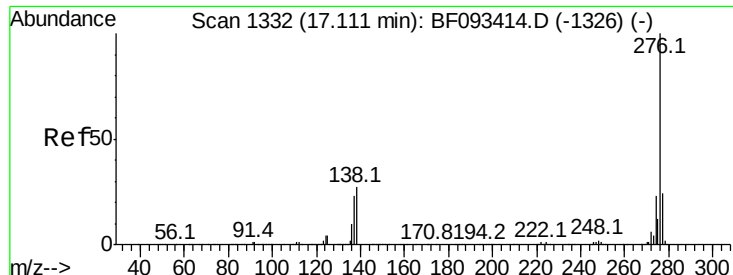
Tot Ion:252 Resp: 244328
Ion Ratio Lower Upper
252 100
253 25.4 18.2 27.2
125 15.5 10.0 15.0#



#90
Dibenzo(a,h)anthracene
Concen: 2.59 ng m
RT: 16.65 min Scan# 1292
Delta R.T. 0.03 min
Lab File: BF093679.D
Acq: 15 Mar 2017 20:26

Tgt Ion:278 Resp: 37624
Ion Ratio Lower Upper
278 100
139 0.0 14.8 22.2#
279 27.4 19.8 29.6





#91

Benzo(a,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

Instrument :

BNA_F

ClientSampleId :

E2-DD8-SSW

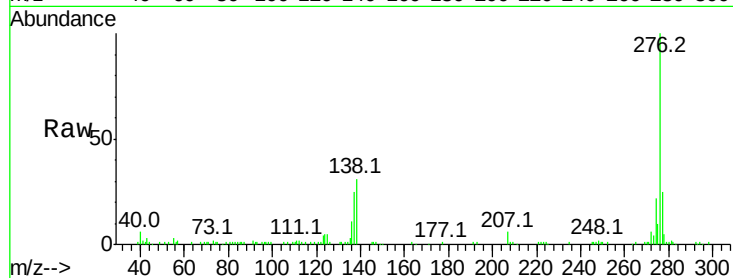
Tot Ion:276 Resp: 161068

Ion Ratio Lower Upper

276 100

277 25.1 19.2 28.8

138 31.1 16.0 24.0#



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

