

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093678.D
 Acq On : 15 Mar 2017 19:59
 Operator : SJ/MA
 Sample : I2264-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD8-BASE

Quant Time: Mar 16 03:04:38 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

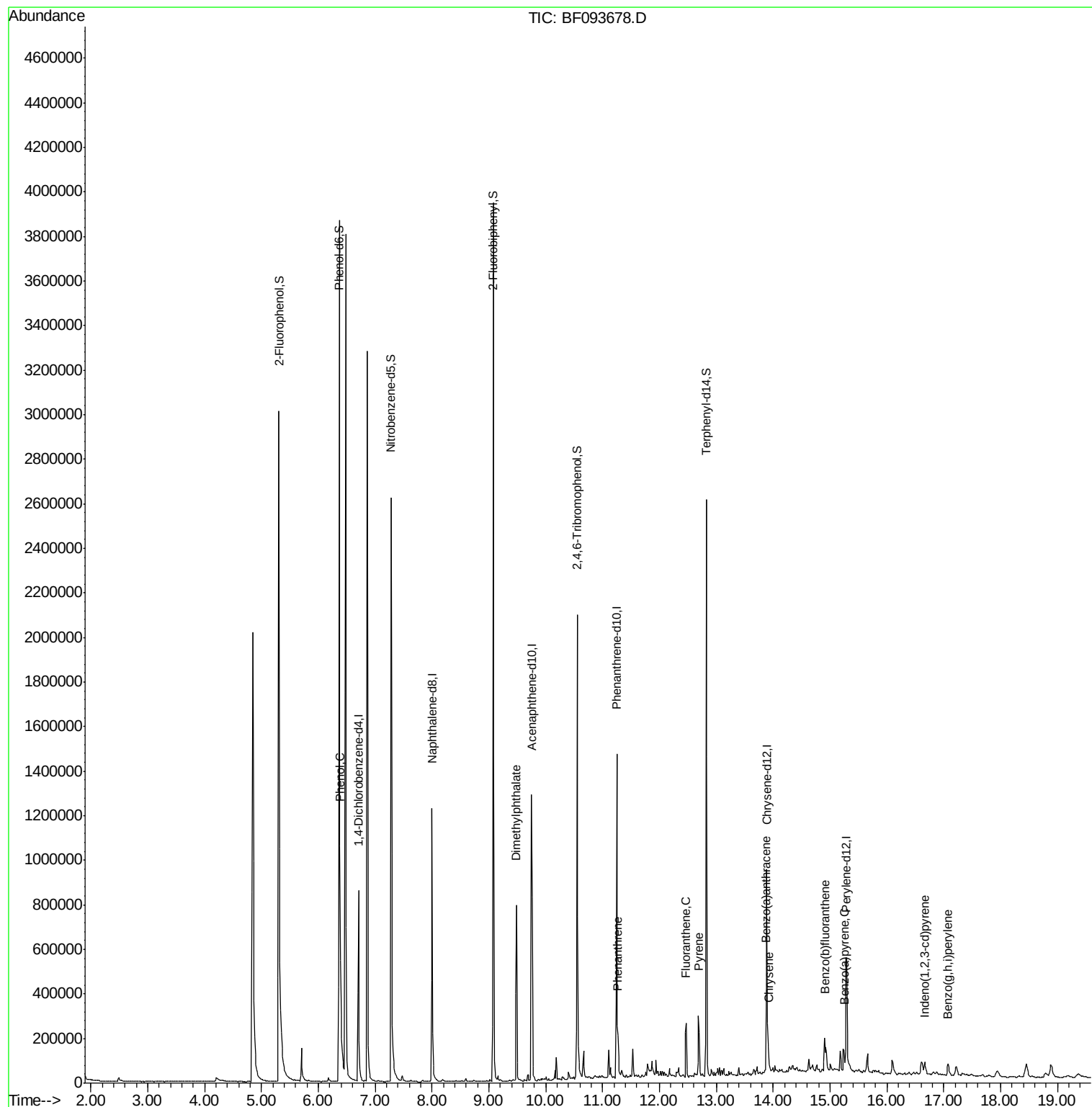
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	166965	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	661825	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	316484	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	534642	20.00	ng	0.00
75) Chrysene-d12	13.89	240	320820	20.00	ng	0.00
86) Perylene-d12	15.29	264	304604	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1194896	119.11	ng	-0.01
7) Phenol-d6	6.37	99	1547970	122.36	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1012682	84.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	243569	118.13	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1349381	79.31	ng	-0.01
78) Terphenyl-d14	12.83	244	956783	77.54	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.38	94	126237	8.14	ng	87
49) Dimethylphthalate	9.49	163	400187	19.07	ng	100
70) Phenanthrene	11.27	178	74969	2.46	ng	97
74) Fluoranthene	12.47	202	145612	4.94	ng	92
77) Pyrene	12.69	202	136446	5.85	ng	98
80) Benzo(a)anthracene	13.88	228	69112	3.65	ng	99
82) Chrysene	13.92	228	51371	2.93	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	42281	2.88	ng	# 90
87) Benzo(b)fluoranthene	14.91	252	69730m	3.76	ng	
89) Benzo(a)pyrene	15.25	252	58407	3.44	ng	96
91) Benzo(g,h,i)perylene	17.08	276	47629	3.31	ng	# 89

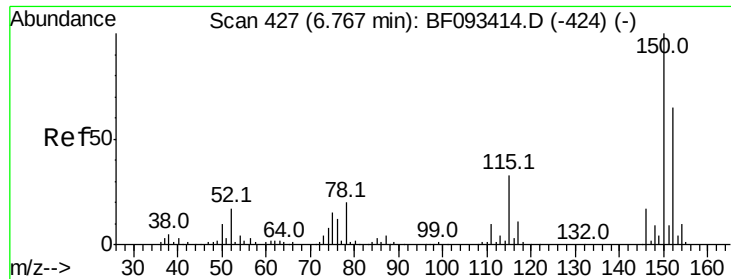
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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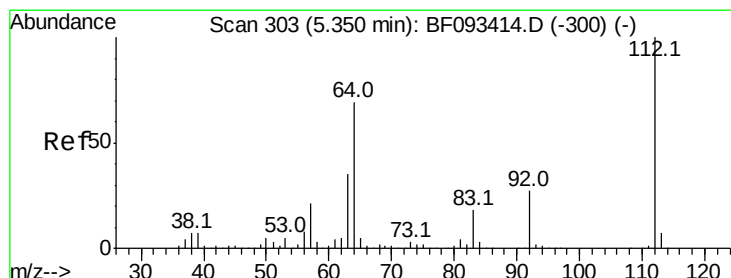
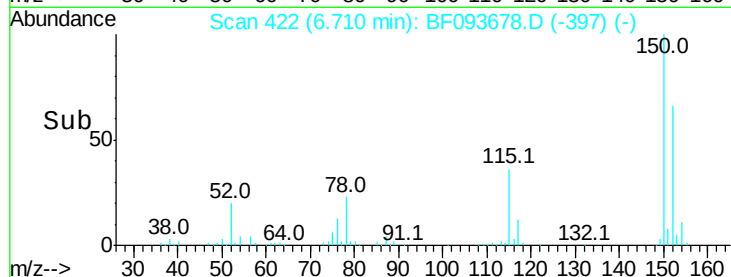
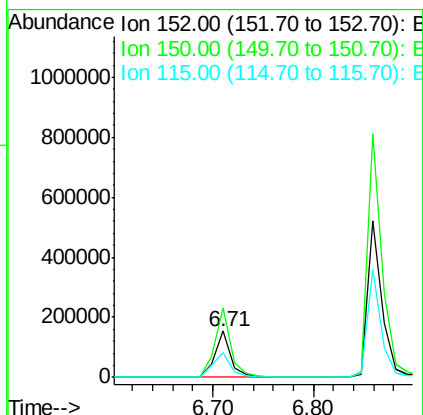
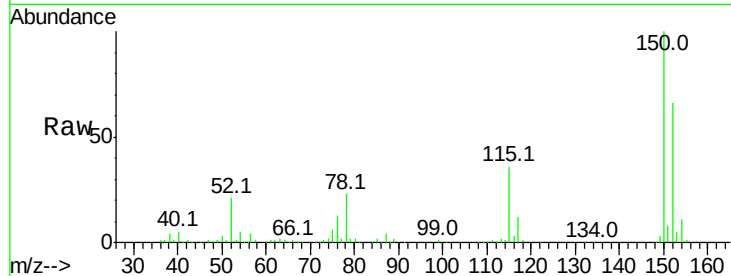


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Instrument :
BNA_F
ClientSampleId :
E2-DD8-BASE

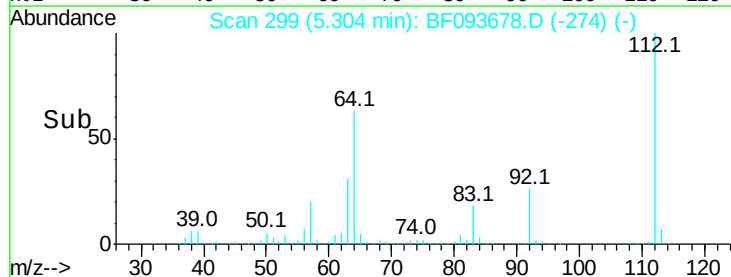
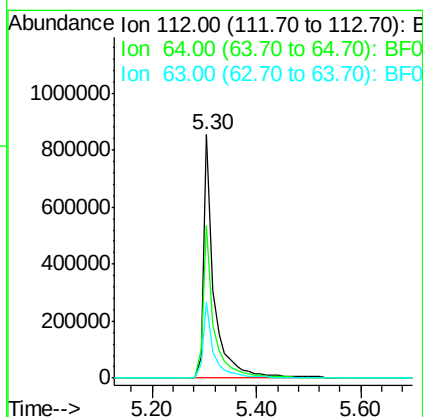
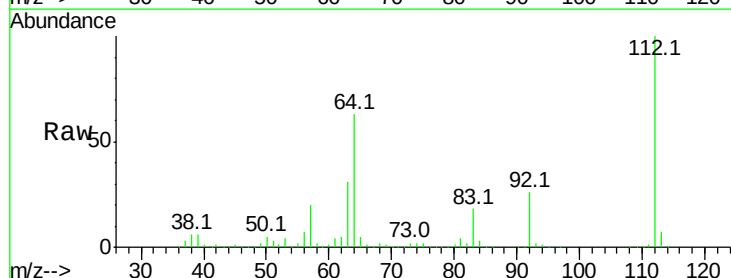
Tot Ion:152 Resp: 166965
Ion Ratio Lower Upper
152 100
150 152.2 124.9 187.3
115 54.2 46.0 69.0

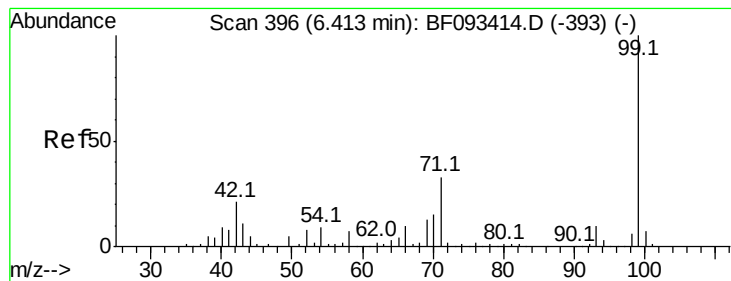


#5

2-Fluorophenol
Concen: 119.11 ng
RT: 5.30 min Scan# 299
Delta R.T. -0.01 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Tgt Ion:112 Resp: 1194896
Ion Ratio Lower Upper
112 100
64 62.5 46.1 69.1
63 31.1 23.8 35.6





#7

Phenol-d6

Concen: 122.36 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

BNA_F

ClientSampleId :

E2-DD8-BASE

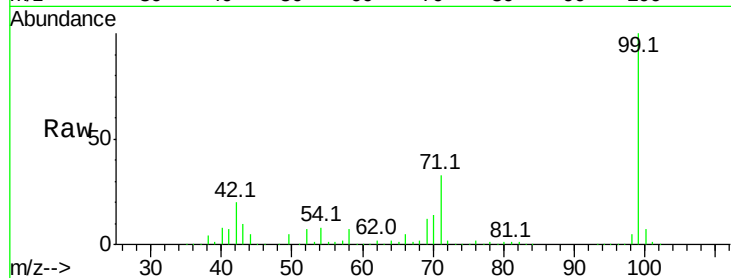
Tot Ion: 99 Resp: 1547970

Ion	Ratio	Lower	Upper
99	100		
42	19.9	15.6	23.4
71	33.2	27.5	41.3

99 100

42 19.9 15.6 23.4

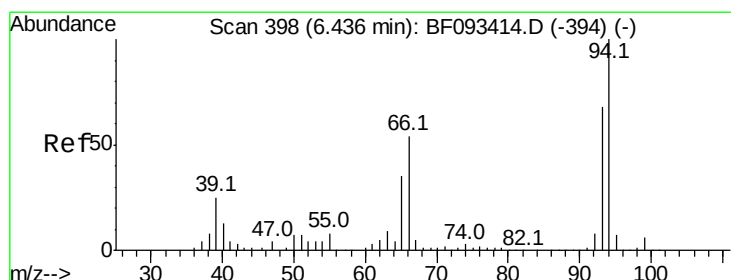
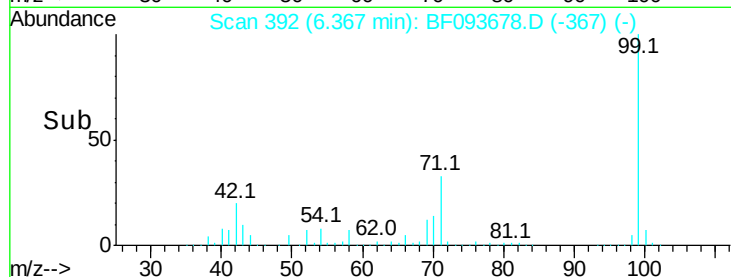
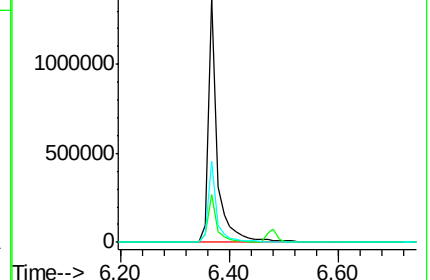
71 33.2 27.5 41.3



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: 8.14 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

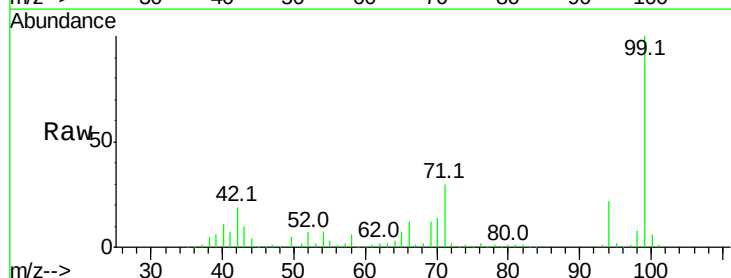
Tgt Ion: 94 Resp: 126237

Ion	Ratio	Lower	Upper
94	100		
65	32.9	21.4	61.4
66	54.3	44.0	84.0

94 100

65 32.9 21.4 61.4

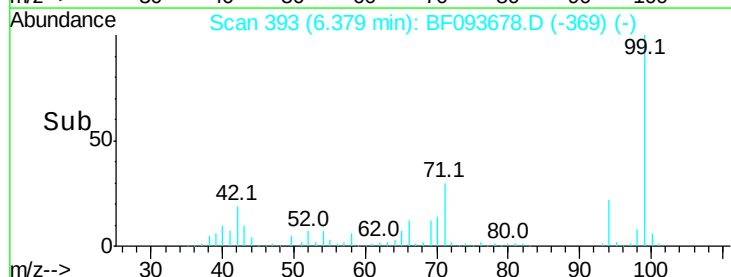
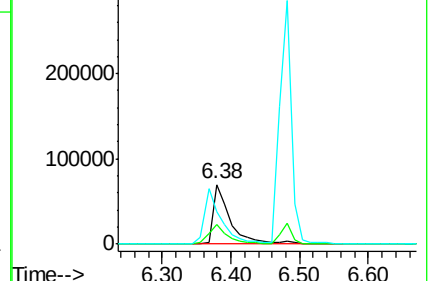
66 54.3 44.0 84.0

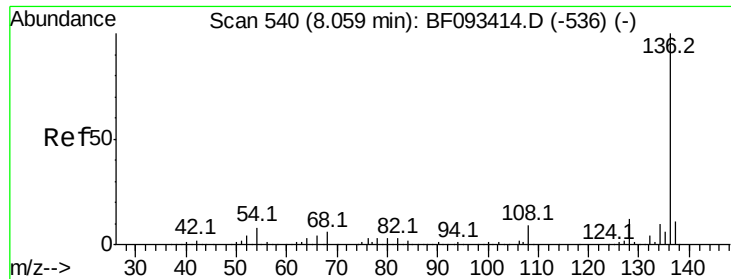


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

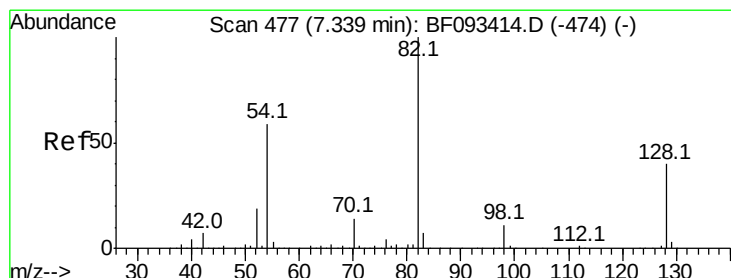
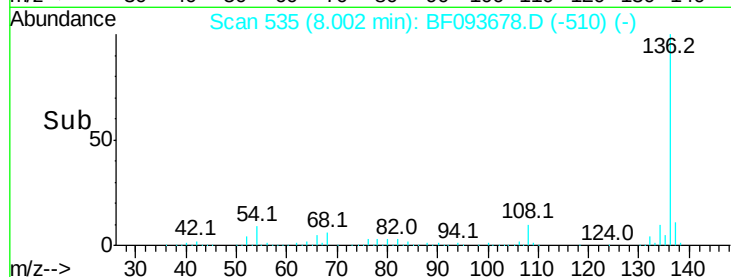
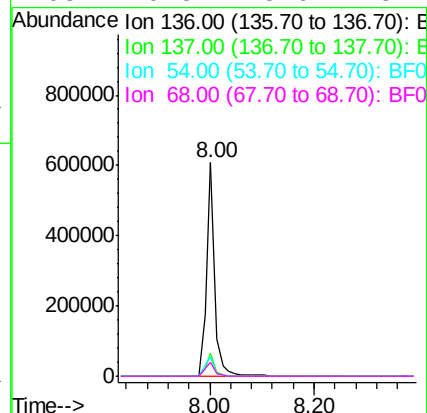
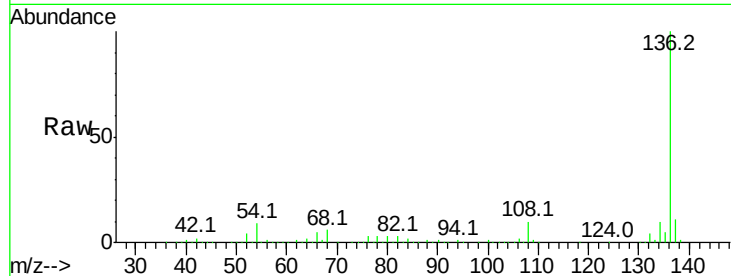




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

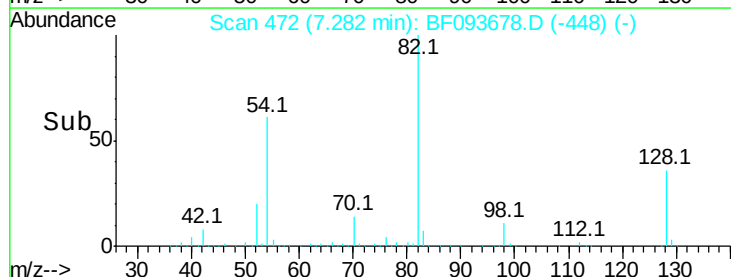
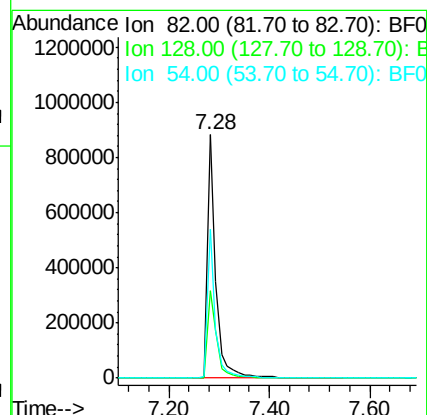
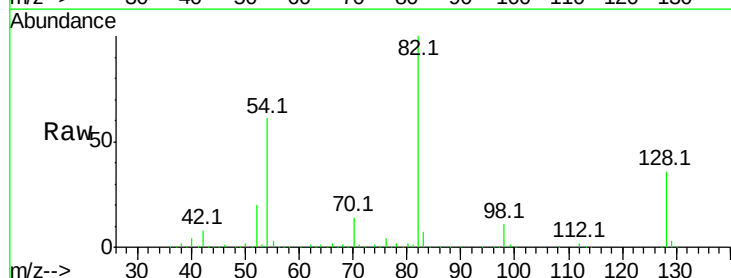
Instrument :
BNA_F
ClientSampleId :
E2-DD8-BASE

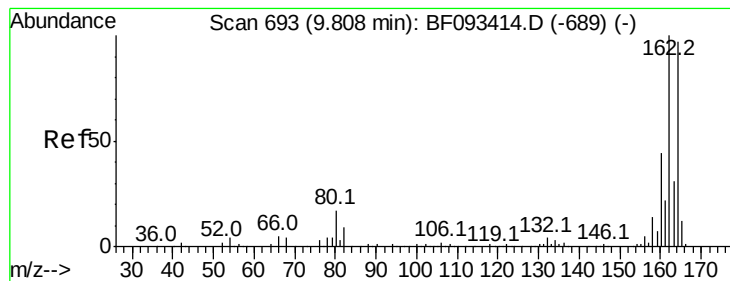
Tot Ion:136	Resp:	661825
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.4 12.6
54	8.8	4.5 6.7#
68	6.3	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 84.90 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Tgt Ion: 82	Resp:	1012682
Ion Ratio	Lower	Upper
82	100	
128	36.1	34.6 52.0
54	61.3	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: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

BNA_F

ClientSampleId :

E2-DD8-BASE

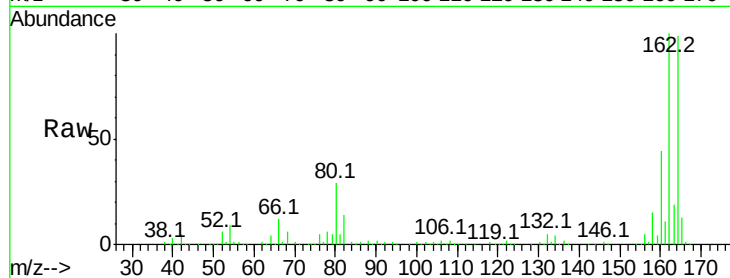
Tot Ion:164 Resp: 316484

Ion Ratio Lower Upper

164 100

162 101.5 80.2 120.2

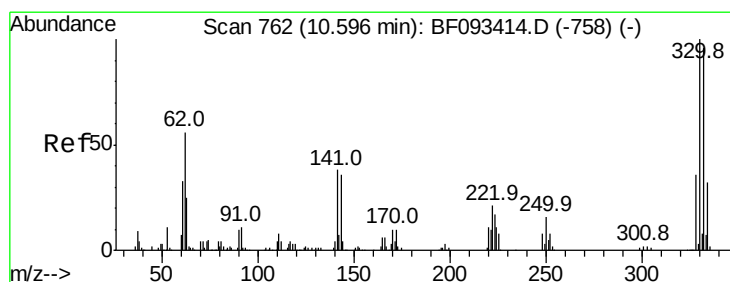
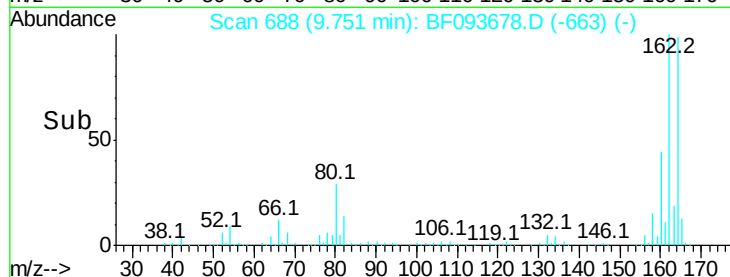
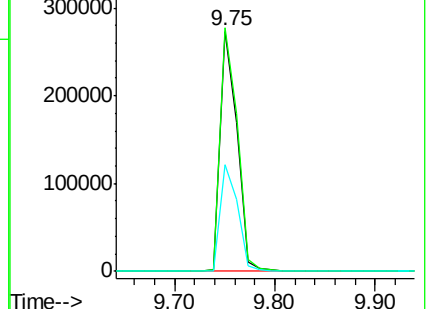
160 44.6 36.9 55.3



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: 118.13 ng

RT: 10.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

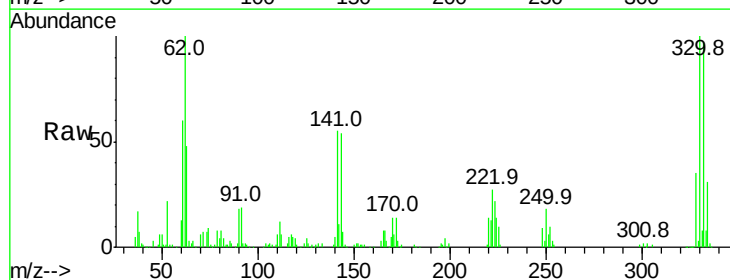
Tgt Ion:330 Resp: 243569

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

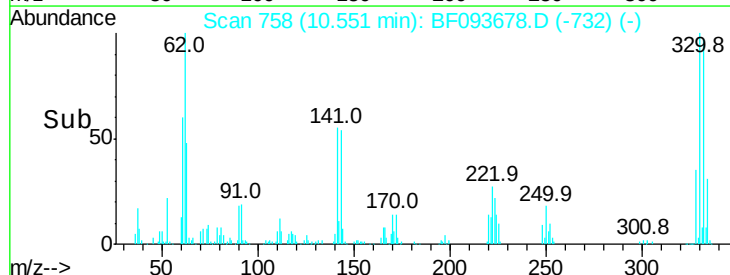
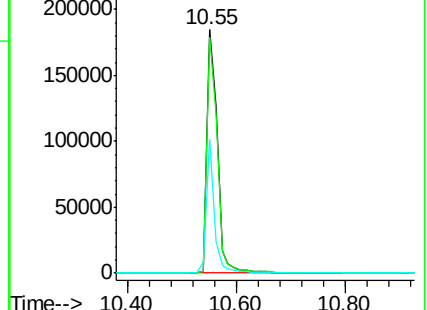
141 41.9 34.1 51.1

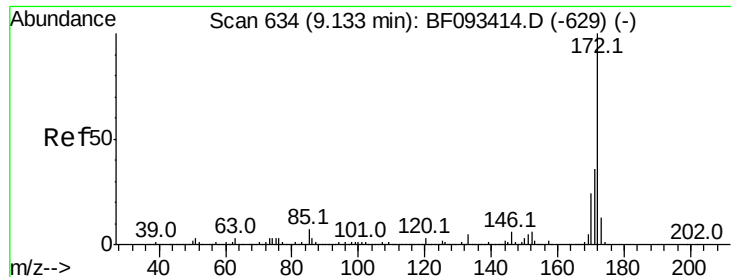


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 79.31 ng

RT: 9.08 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

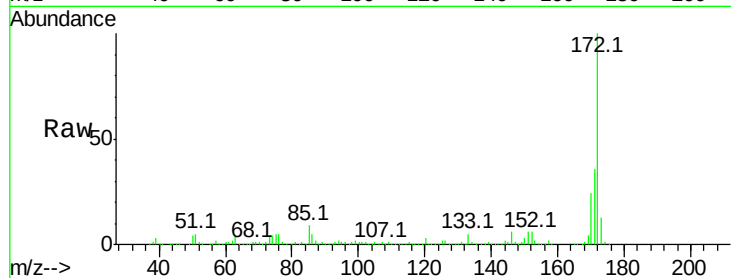
BNA_F

ClientSampleId :

E2-DD8-BASE

Tot Ion:172 Resp: 1349381

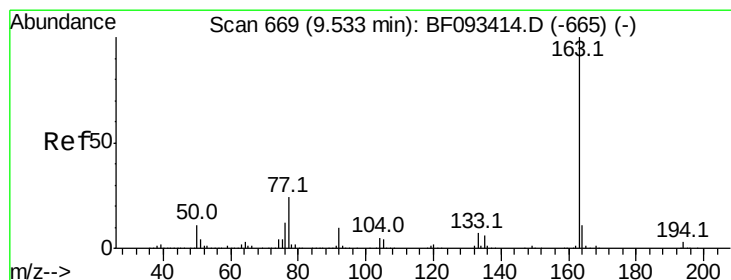
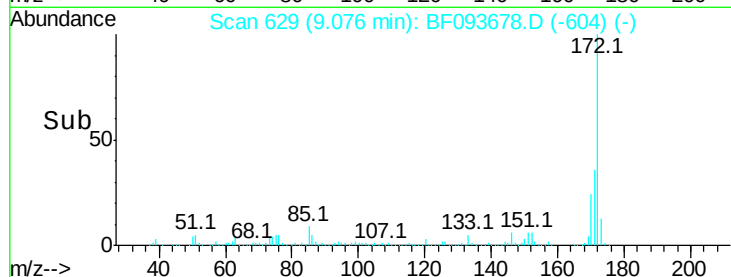
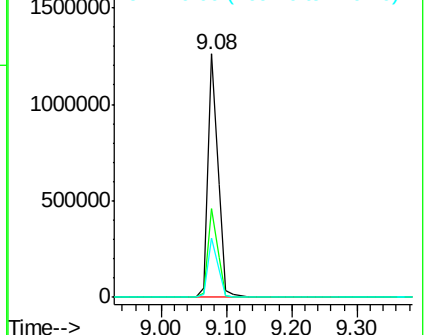
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.2	20.2	30.4



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: 19.07 ng

RT: 9.49 min Scan# 665

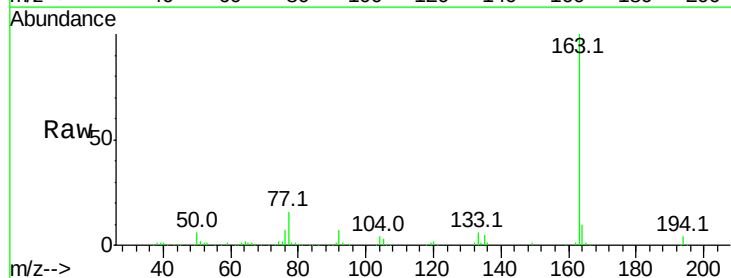
Delta R.T. -0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Tgt Ion:163 Resp: 400187

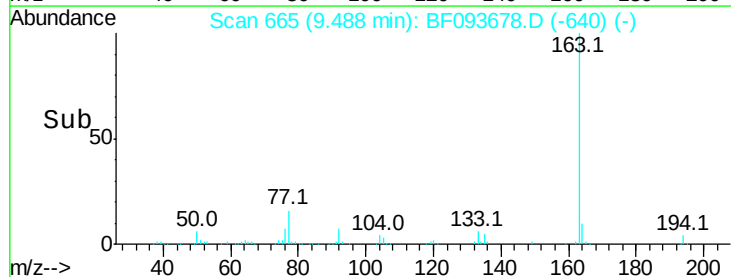
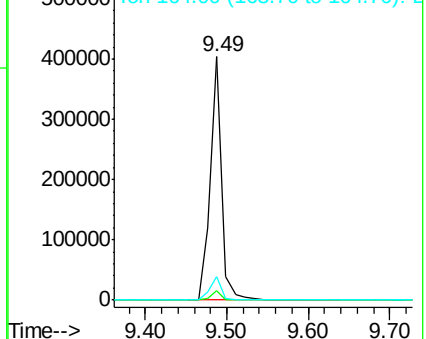
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	9.9	8.0	12.0

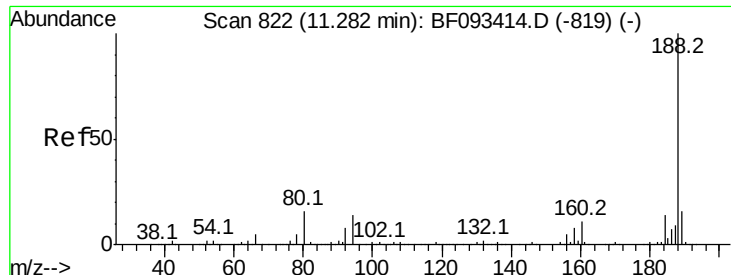


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

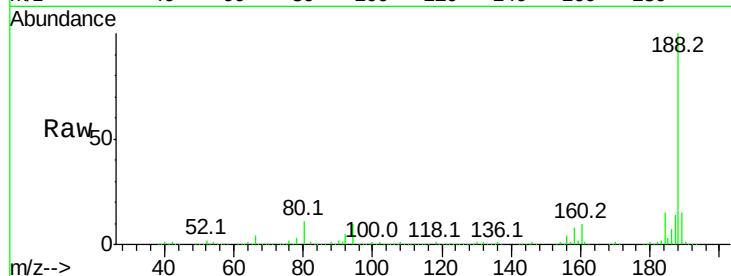




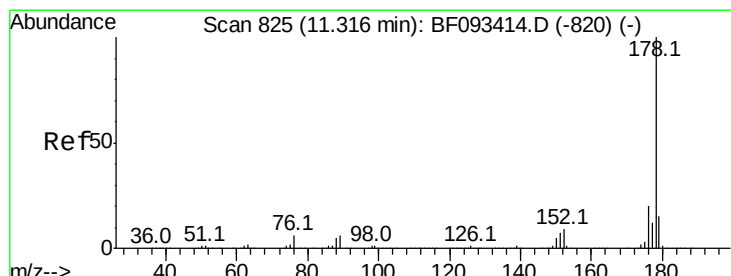
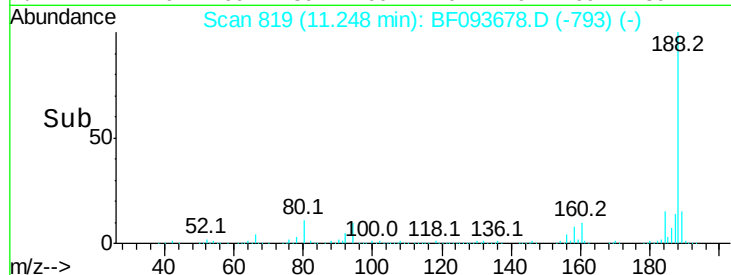
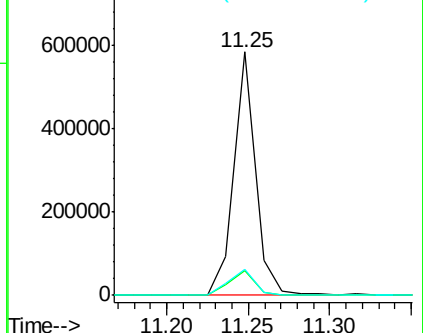
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Instrument :
BNA_F
ClientSampleId :
E2-DD8-BASE

Tot Ion:188 Resp: 534642
Ion Ratio Lower Upper
188 100
94 10.3 10.0 15.0
80 10.7 11.2 16.8#

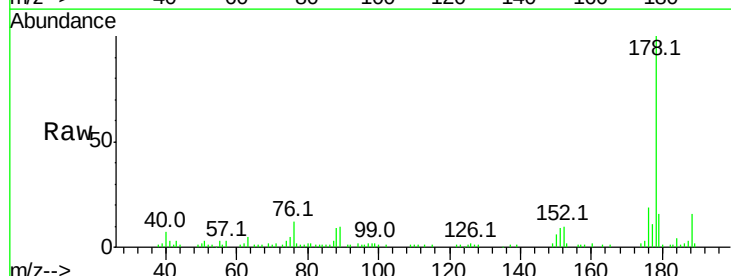


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

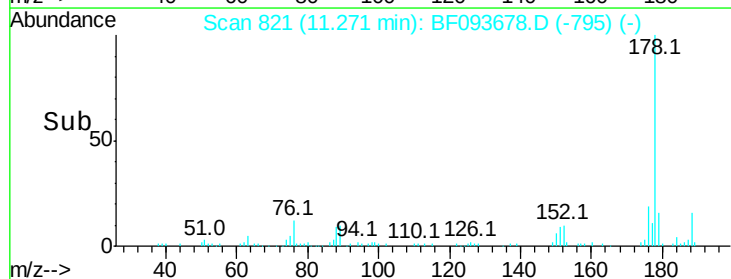
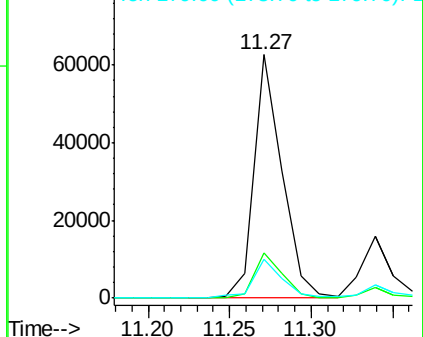


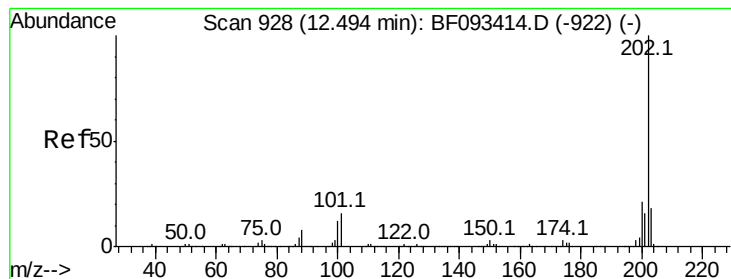
#70
Phenanthrene
Concen: 2.46 ng
RT: 11.27 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Tgt Ion:178 Resp: 74969
Ion Ratio Lower Upper
178 100
176 18.8 16.6 25.0
179 16.0 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





#74

Fluoranthene

Concen: 4.94 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

BNA_F

ClientSampleId :

E2-DD8-BASE

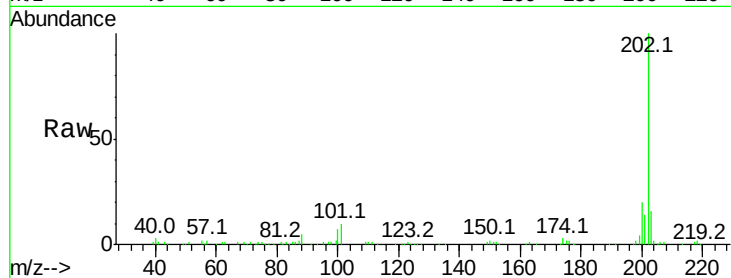
Tot Ion:202 Resp: 145612

Ion Ratio Lower Upper

202 100

101 9.5 0.0 34.6

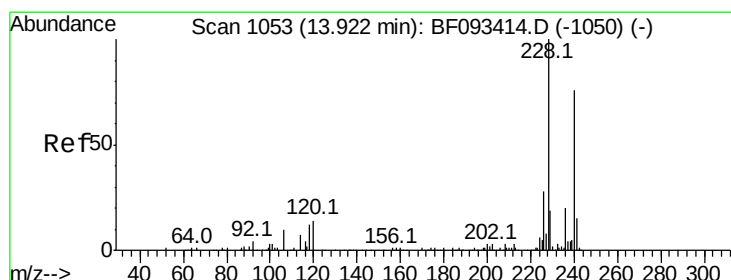
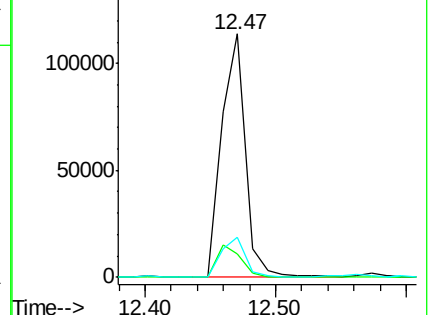
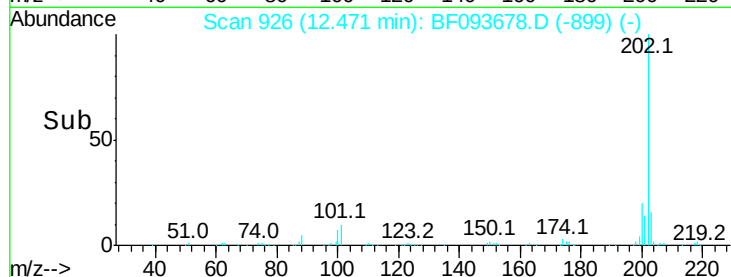
203 16.4 0.0 38.7



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: 13.89 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

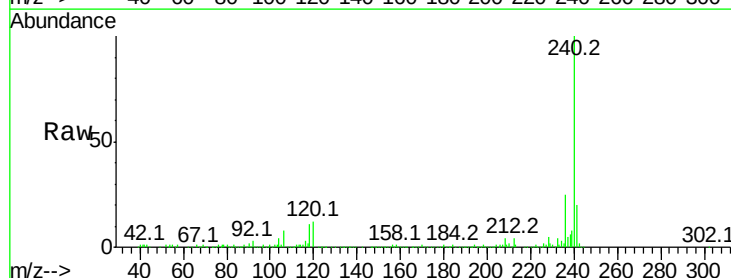
Tgt Ion:240 Resp: 320820

Ion Ratio Lower Upper

240 100

120 12.2 12.9 19.3#

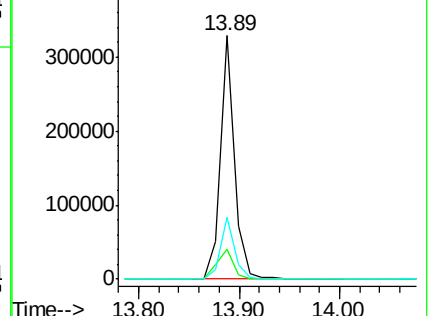
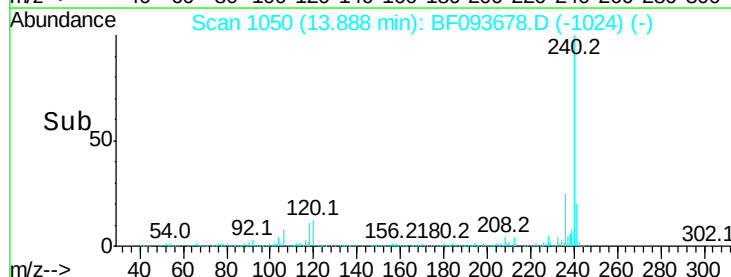
236 25.4 20.9 31.3

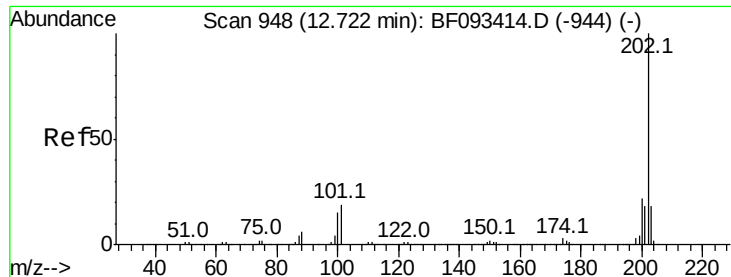


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.85 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

BNA_F

ClientSampleId :

E2-DD8-BASE

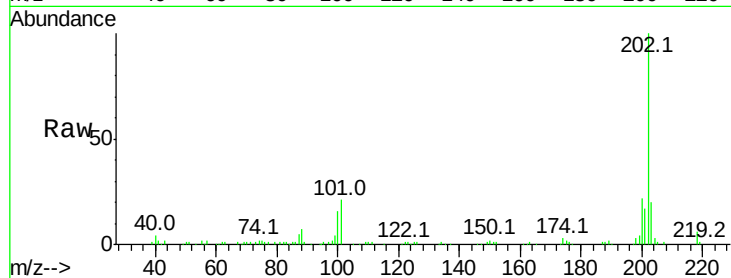
Tot Ion:202 Resp: 136446

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

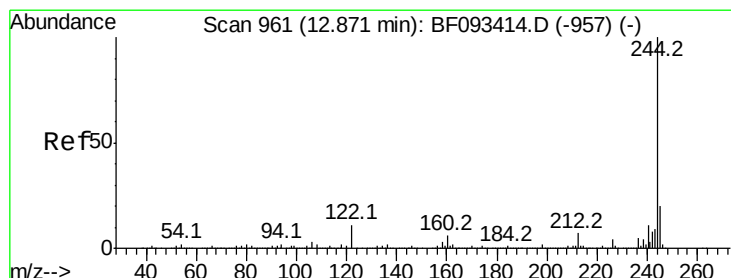
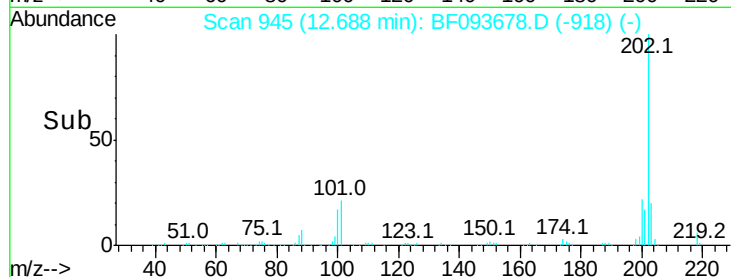
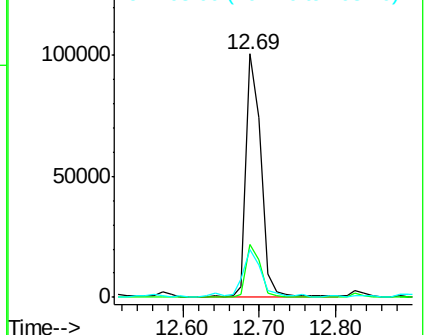
203 19.7 14.7 22.1



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: 77.54 ng

RT: 12.83 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

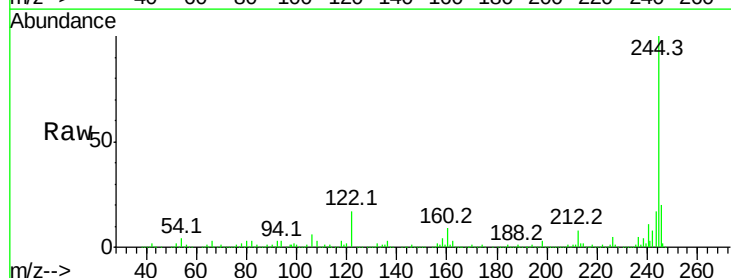
Tgt Ion:244 Resp: 956783

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

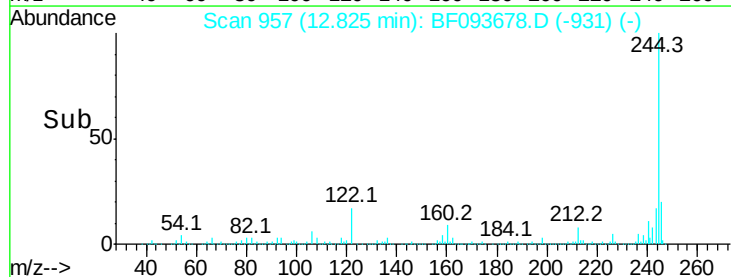
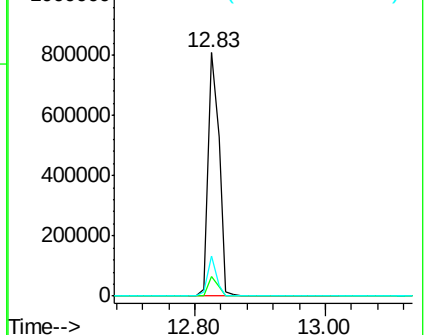
122 16.6 11.4 17.2

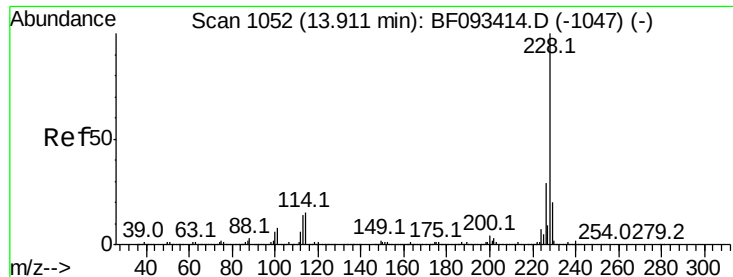


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.65 ng

RT: 13.88 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

BNA_F

ClientSampleId :

E2-DD8-BASE

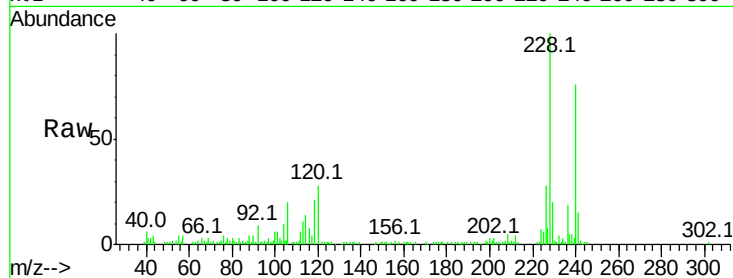
Tot Ion:228 Resp: 69112

Ion Ratio Lower Upper

228 100

226 28.5 22.4 33.6

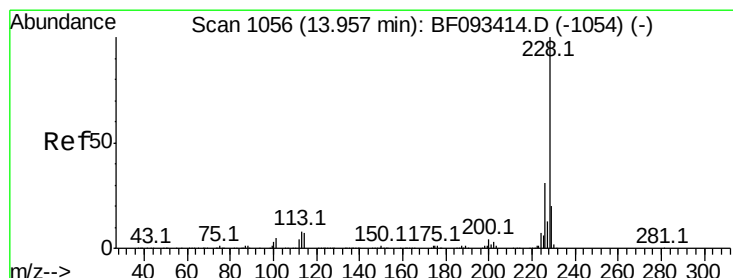
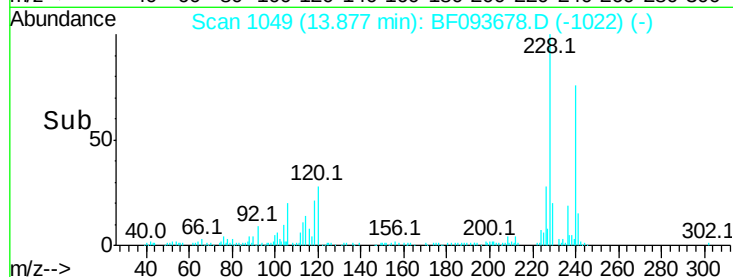
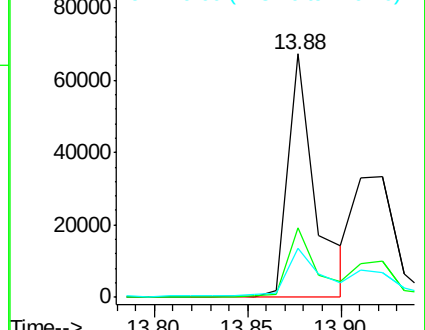
229 20.2 16.2 24.4



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: 2.93 ng

RT: 13.92 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

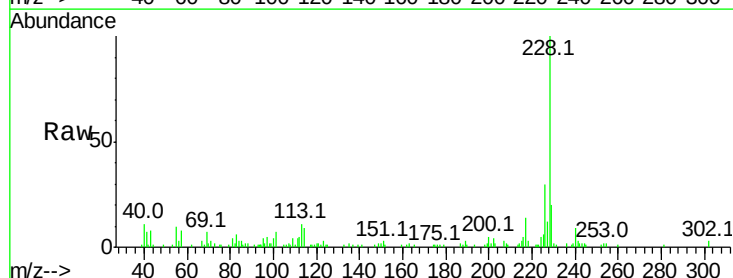
Tgt Ion:228 Resp: 51371

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.0

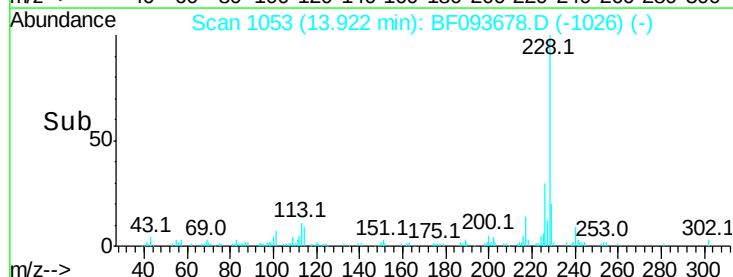
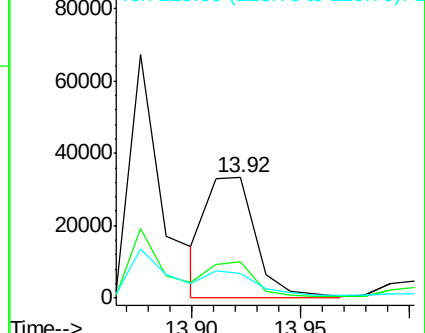
229 20.4 16.2 24.2

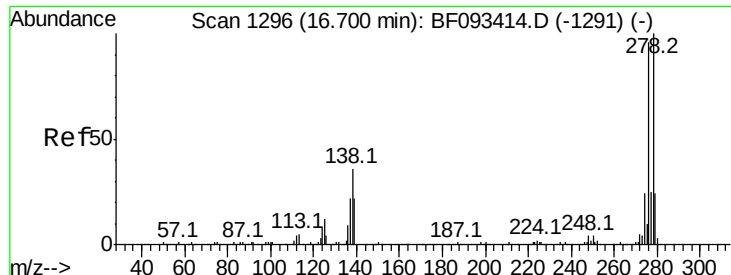


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

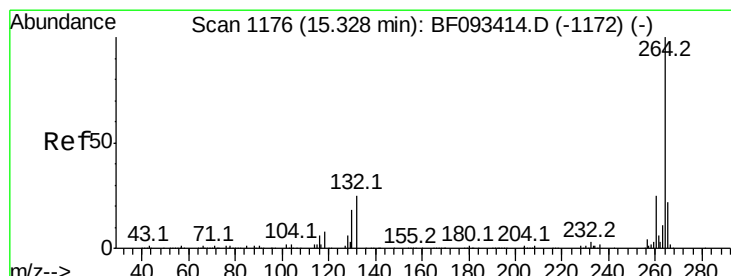
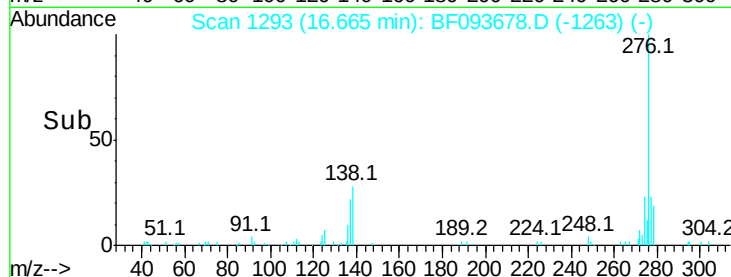
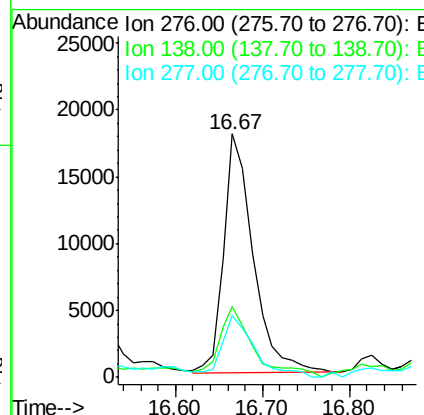
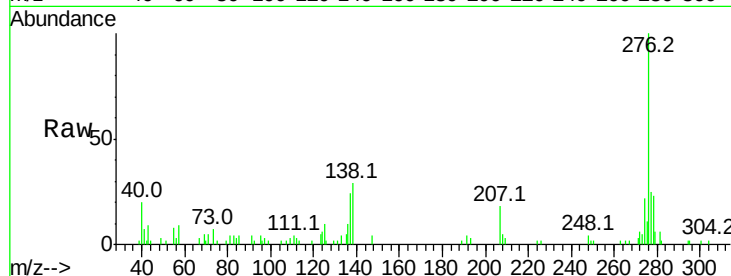




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.88 ng
 RT: 16.67 min Scan# 1293
 Delta R.T. 0.05 min
 Lab File: BF093678.D
 Acq: 15 Mar 2017 19:59

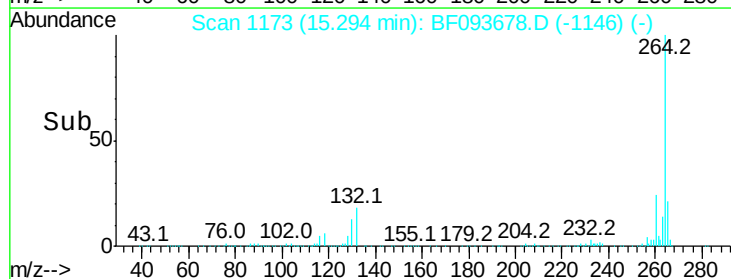
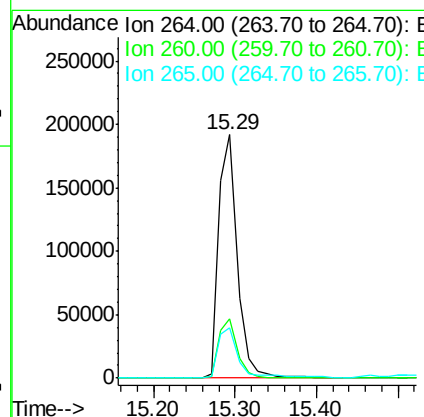
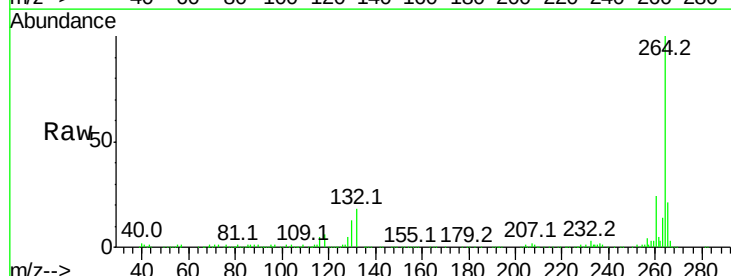
Instrument :
 BNA_F
 ClientSampleId :
 E2-DD8-BASE

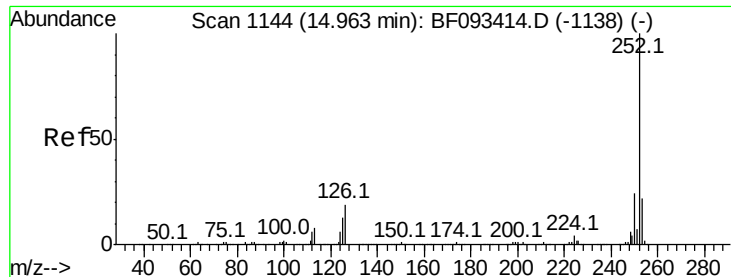
Tot Ion:276 Resp: 42281
 Ion Ratio Lower Upper
 276 100
 138 34.7 21.8 32.6#
 277 28.1 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: BF093678.D
 Acq: 15 Mar 2017 19:59

Tgt Ion:264 Resp: 304604
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 20.5 17.4 26.0

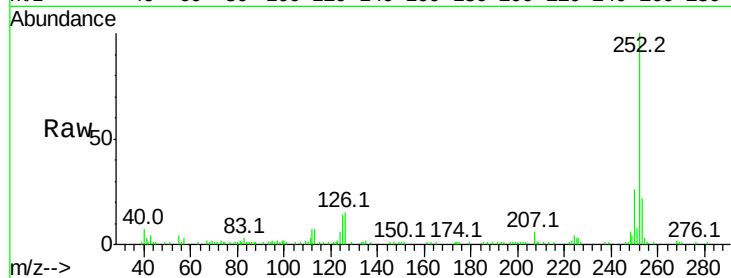




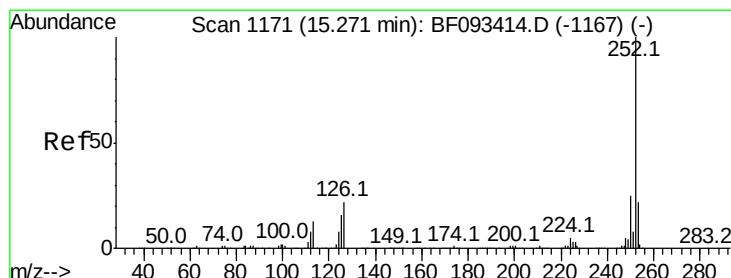
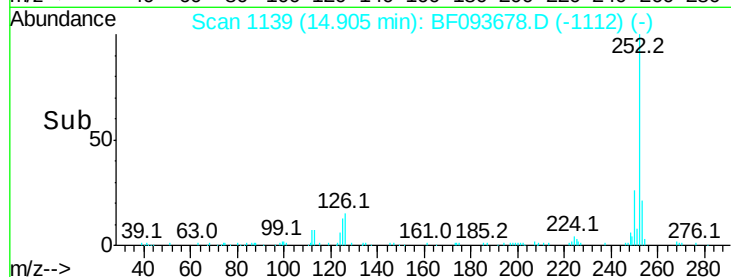
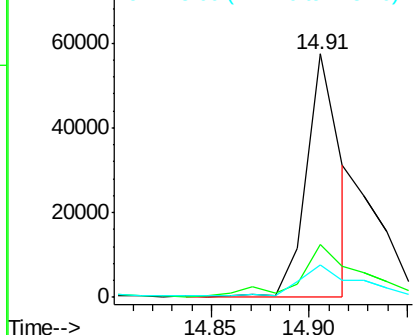
#87
Benzo(b)fluoranthene
Concen: 3.76 ng
RT: 14.91 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Instrument :
BNA_F
ClientSampleId :
E2-DD8-BASE

Tot Ion:252 Resp: 69730
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.4
125 13.5 9.8 14.6

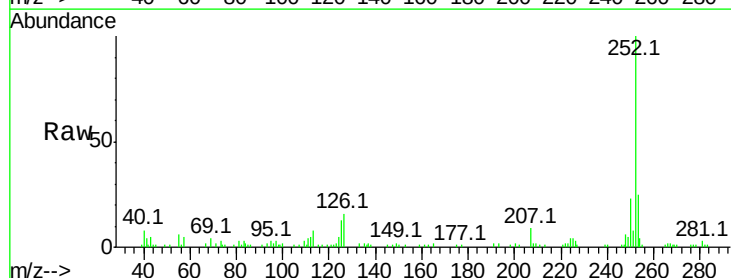


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

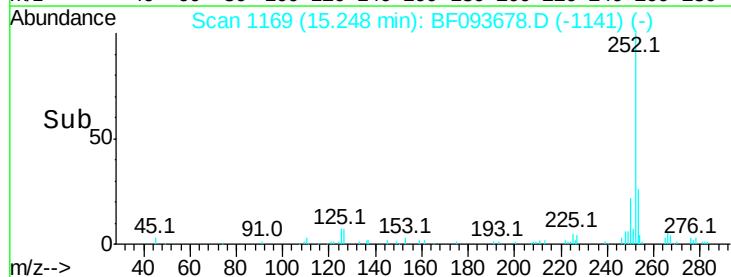
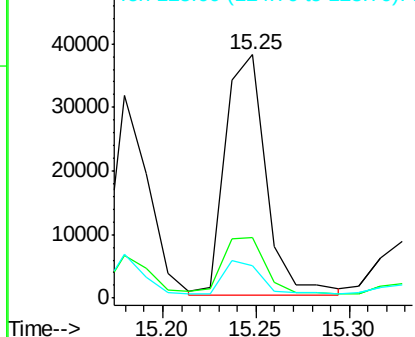


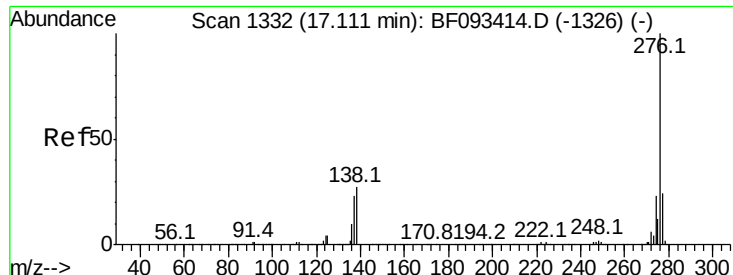
#89
Benzo(a)pyrene
Concen: 3.44 ng
RT: 15.25 min Scan# 1169
Delta R.T. 0.02 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Tgt Ion:252 Resp: 58407
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.2
125 13.4 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





#91

Benzo(a,h,i)perylene

Concen: 3.31 ng

RT: 17.08 min Scan# 1329

Delta R.T. 0.06 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

BNA_F

ClientSampleId :

E2-DD8-BASE

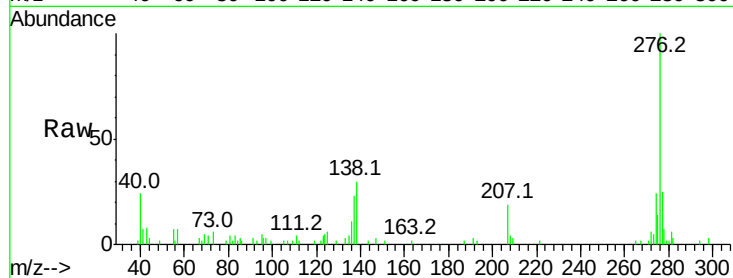
Tot Ion: 276 Resp: 47629

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 30.1 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

