

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031617\
 Data File : BF093718.D
 Acq On : 16 Mar 2017 20:46
 Operator : SJ/MA
 Sample : I2266-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP6

Quant Time: Mar 17 00:58:21 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	6.70	152	186525	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	758395	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	363571	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	623642	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	434002	20.00	ng	-0.03
86) Perylene-d12	15.26	264	336540	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1254052	111.90	ng	-0.02
7) Phenol-d6	6.36	99	1634373	115.65	ng	-0.02
23) Nitrobenzene-d5	7.27	82	1021259	74.72	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	265624	112.14	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	1482495	75.84	ng	-0.02
78) Terphenyl-d14	12.80	244	1138136	68.18	ng	-0.02

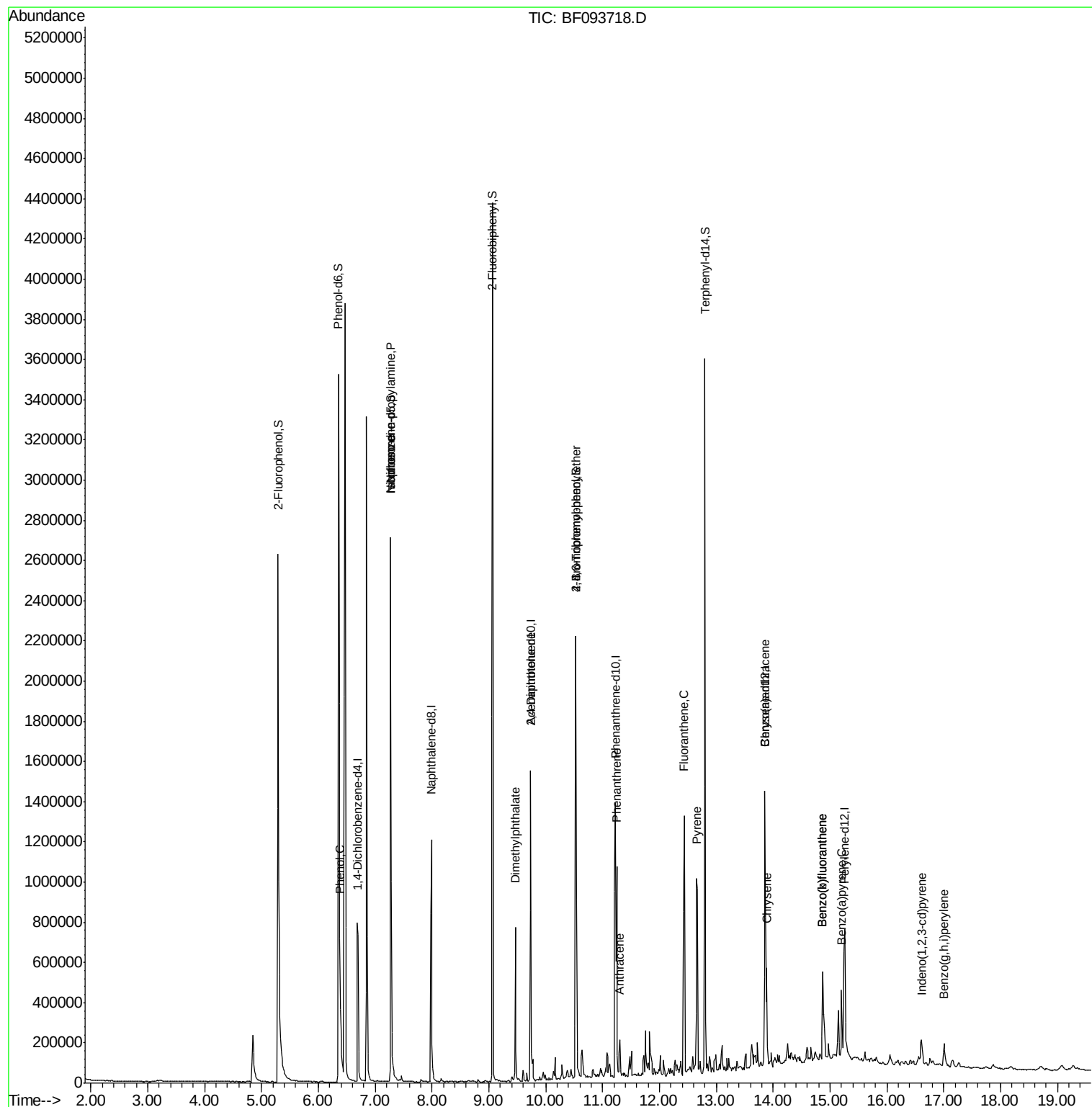
Target Compounds				Qvalue		
9) Benzaldehyde	6.36	77	3596	Below Cal	#	1
10) Phenol	6.38	94	129607	7.48	ng	82
19) n-Nitroso-di-n-propylamine	7.27	70	137585	14.16	ng	82
25) Isophorone	7.27	82	1003099	36.39	ng	65
49) Dimethylphthalate	9.46	163	296280	12.29	ng	99
56) 2,4-Dinitrotoluene	9.74	165	45864	7.06	ng	21
66) 4-Bromophenyl-phenylether	10.53	248	19670	2.98	ng	1
70) Phenanthrene	11.25	178	469907	13.20	ng	97
71) Anthracene	11.31	178	91435	2.54	ng	97
74) Fluoranthene	12.44	202	641618	18.66	ng	94
77) Pyrene	12.67	202	571867	18.12	ng	98
80) Benzo(a)anthracene	13.85	228	220653	8.61	ng	99
82) Chrysene	13.89	228	184761	7.79	ng	99
85) Indeno(1,2,3-cd)pyrene	16.61	276	91065	4.59	ng	96
87) Benzo(b)fluoranthene	14.87	252	277795	13.55	ng	97
88) Benzo(k)fluoranthene	14.87	252	277795	14.05	ng	# 96
89) Benzo(a)pyrene	15.20	252	150932	8.06	ng	# 96
91) Benzo(g,h,i)perylene	17.01	276	91974	5.78	ng	# 89

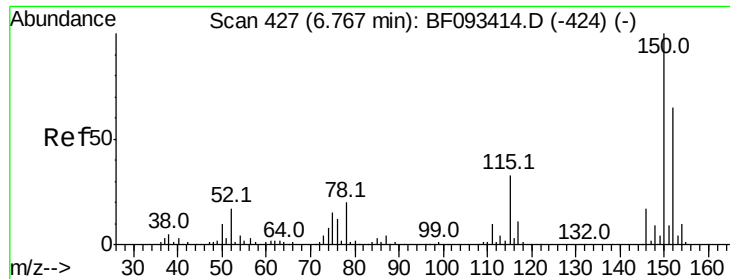
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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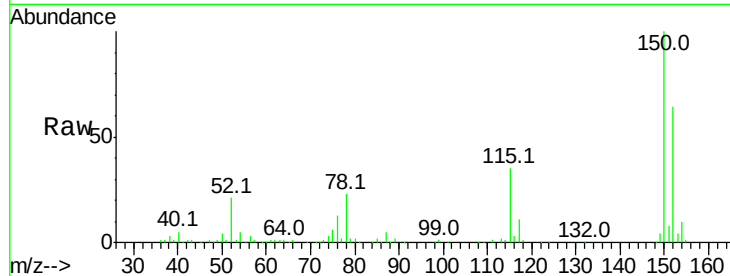


#1

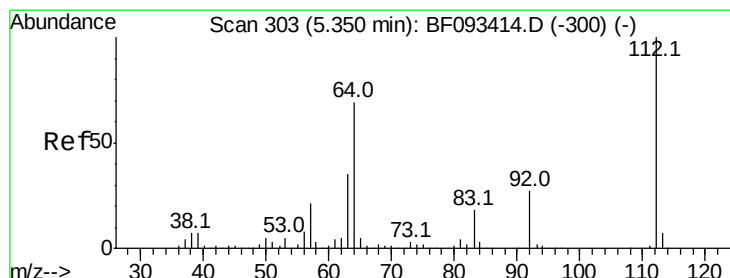
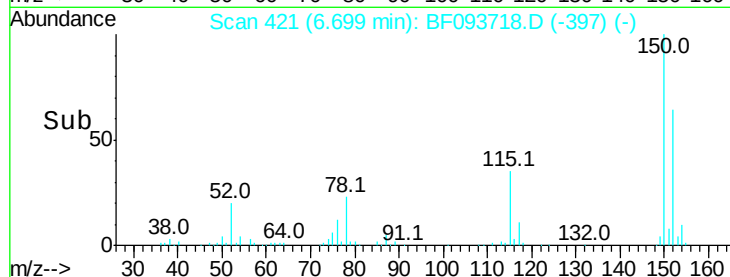
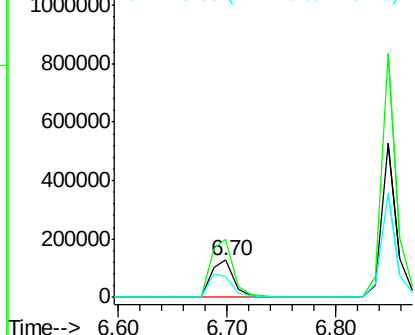
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF093718.D
Acq: 16 Mar 2017 20:46

Instrument :
BNA_F
ClientSampleId :
TP6

Tot Ion:152 Resp: 186525
Ion Ratio Lower Upper
152 100
150 155.9 124.9 187.3
115 54.5 46.0 69.0



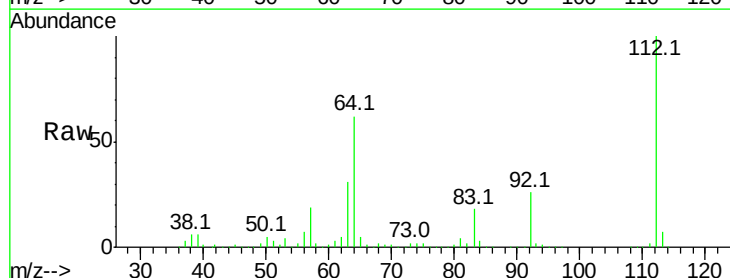
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



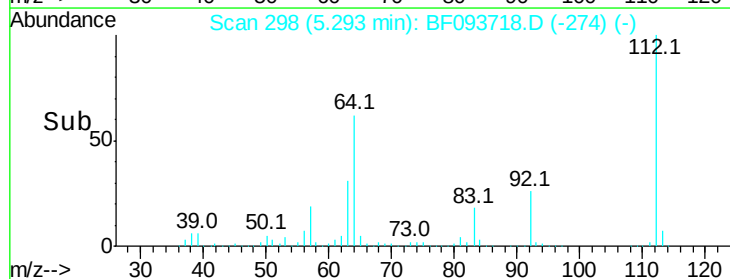
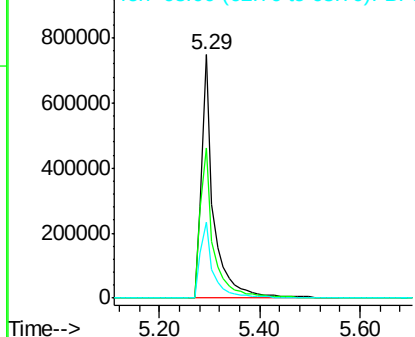
#5

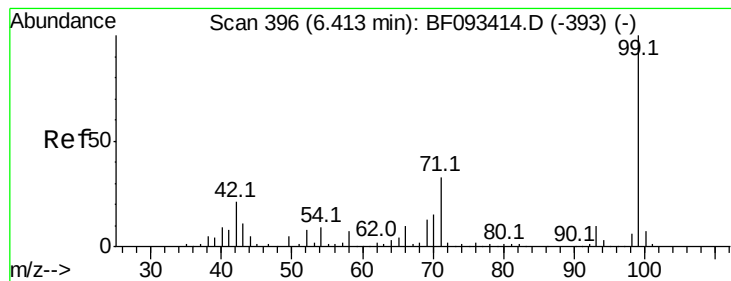
2-Fluorophenol
Concen: 111.90 ng
RT: 5.29 min Scan# 298
Delta R.T. -0.02 min
Lab File: BF093718.D
Acq: 16 Mar 2017 20:46

Tgt Ion:112 Resp: 1254052
Ion Ratio Lower Upper
112 100
64 61.8 46.1 69.1
63 31.0 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: 115.65 ng

RT: 6.36 min Scan# 391

Delta R.T. -0.02 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

Instrument :

BNA_F

ClientSampleId :

TP6

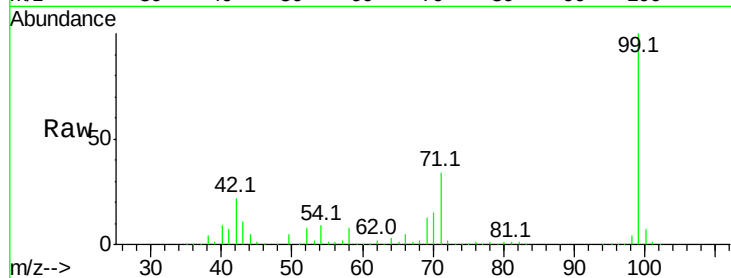
Tot Ion: 99 Resp: 1634373

Ion Ratio Lower Upper

99 100

42 22.2 15.6 23.4

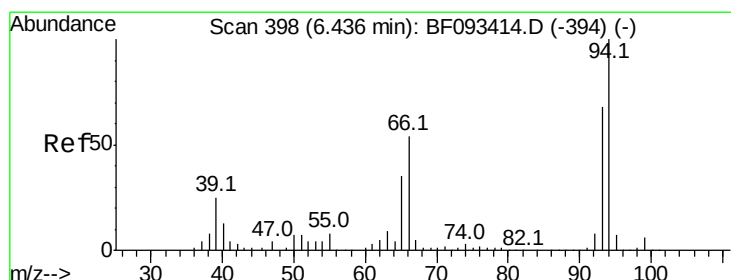
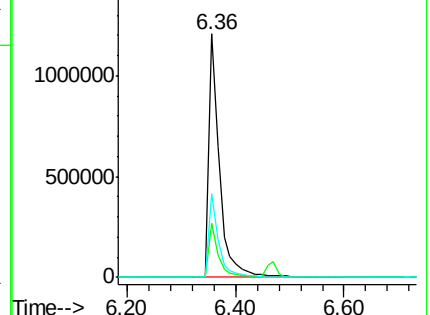
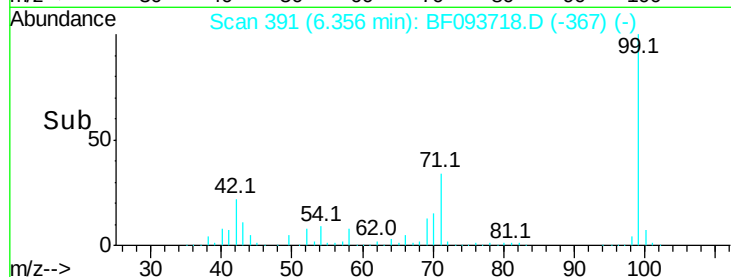
71 34.2 27.5 41.3



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: 7.48 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

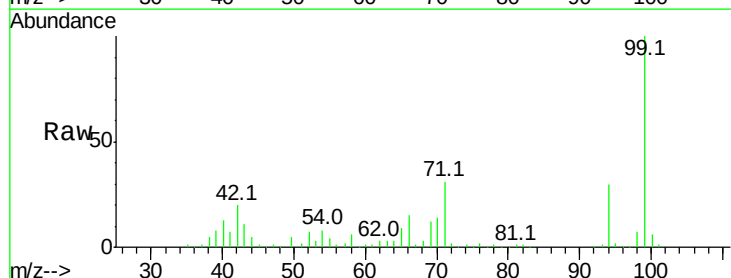
Tgt Ion: 94 Resp: 129607

Ion Ratio Lower Upper

94 100

65 30.1 21.4 61.4

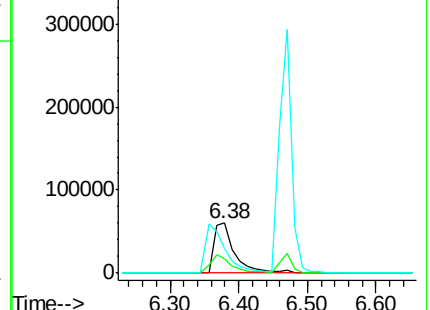
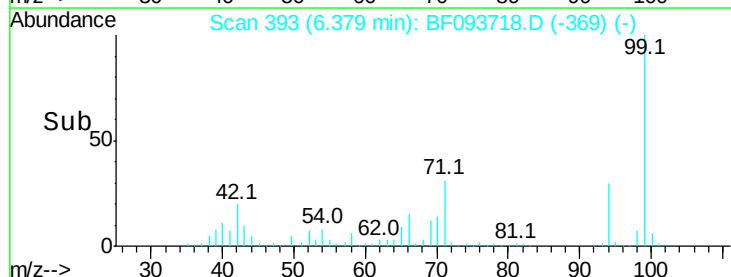
66 50.3 44.0 84.0

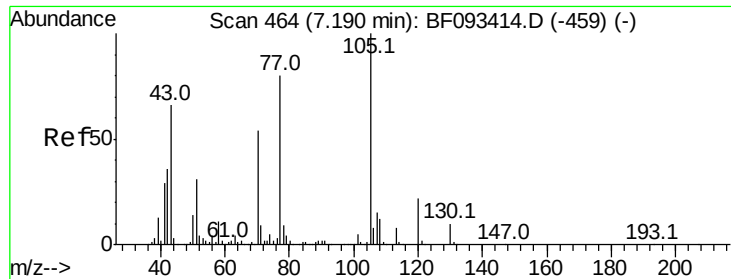


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

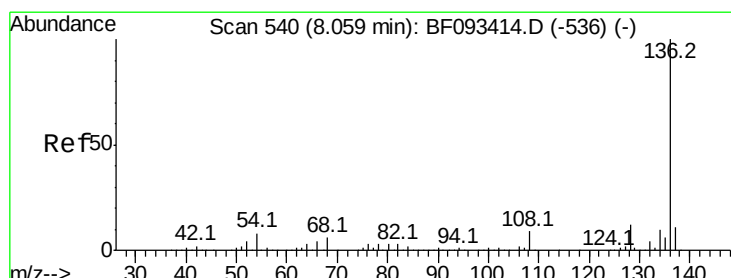
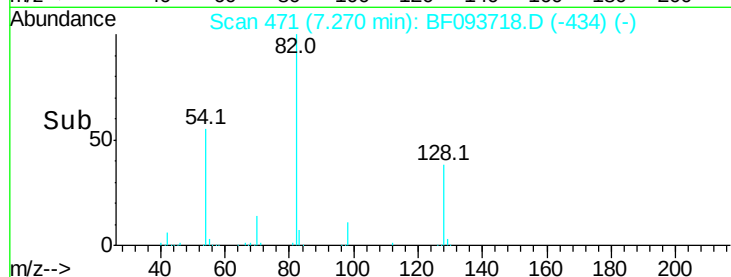
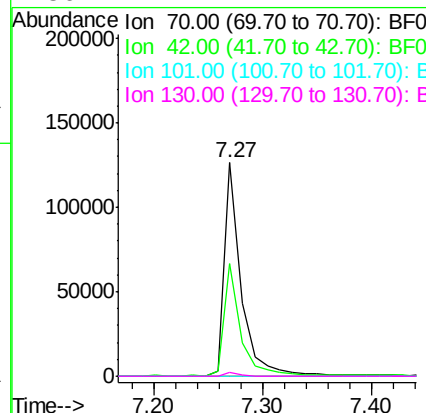
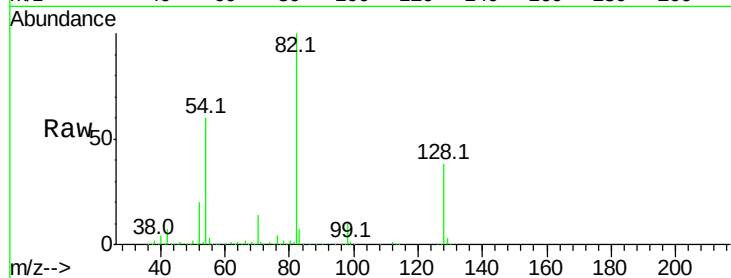




#19
n-Nitroso-di-n-propylamine
Concen: 14.16 ng
RT: 7.27 min Scan# 471
Delta R.T. 0.13 min
Lab File: BF093718.D
Acq: 16 Mar 2017 20:46

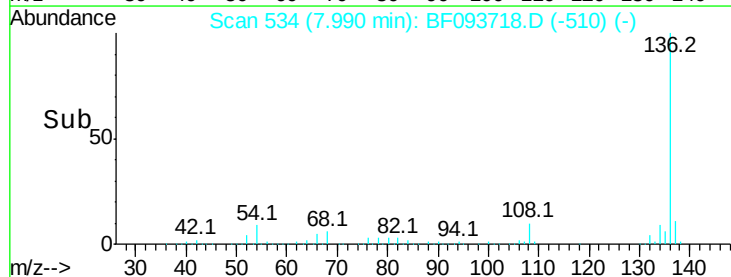
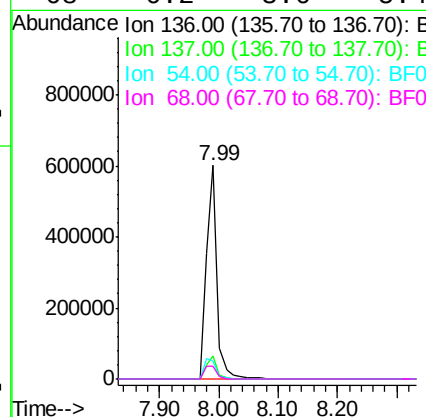
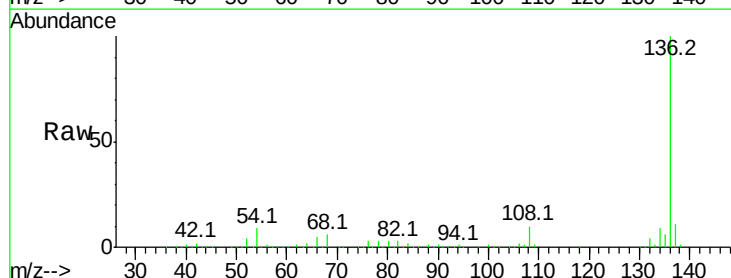
Instrument :
BNA_F
ClientSampleId :
TP6

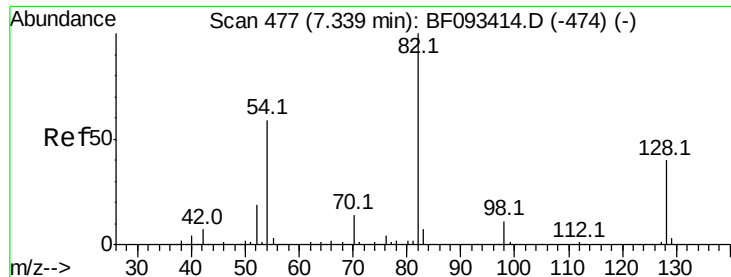
Tot Ion: 70 Resp: 137585
Ion Ratio Lower Upper
70 100
42 52.9 49.4 74.0
101 0.0 7.4 11.2#
130 1.7 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 534
Delta R.T. -0.02 min
Lab File: BF093718.D
Acq: 16 Mar 2017 20:46

Tgt Ion: 136 Resp: 758395
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 8.7 4.5 6.7#
68 6.2 3.6 5.4#

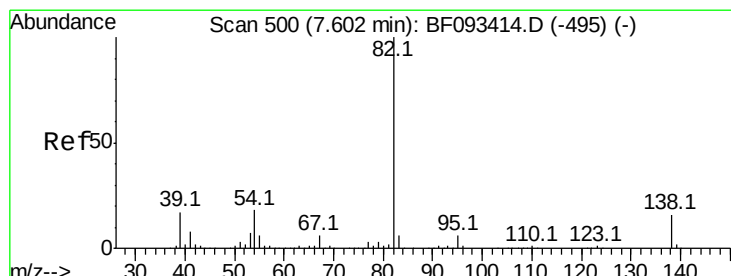
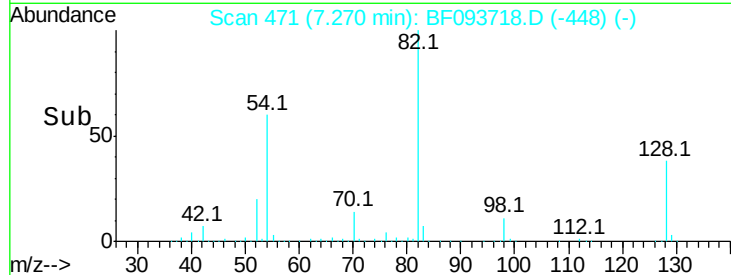
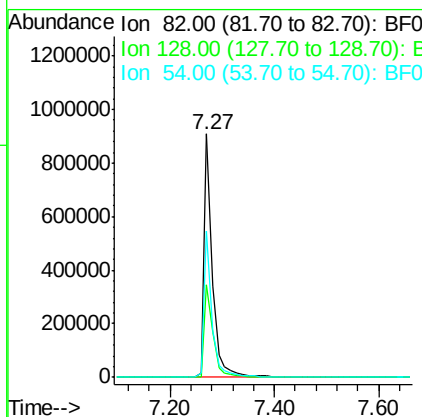
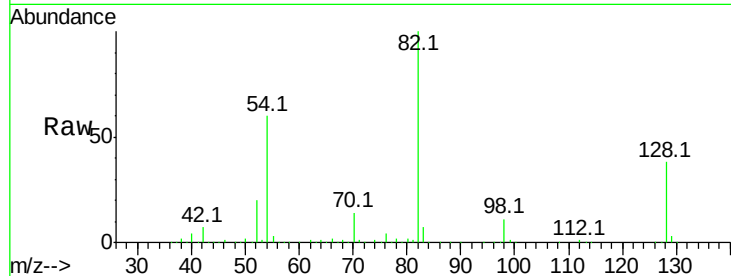




#23
 Nitrobenzene-d5
 Concen: 74.72 ng
 RT: 7.27 min Scan# 471
 Delta R.T. -0.03 min
 Lab File: BF093718.D
 Acq: 16 Mar 2017 20:46

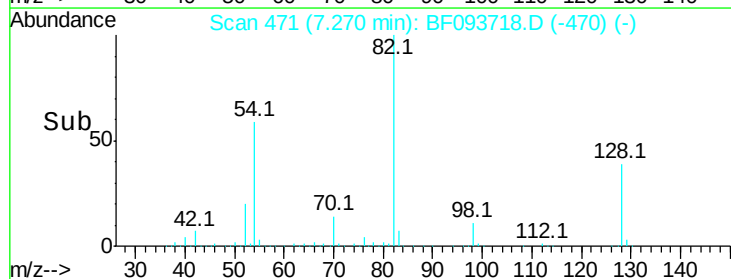
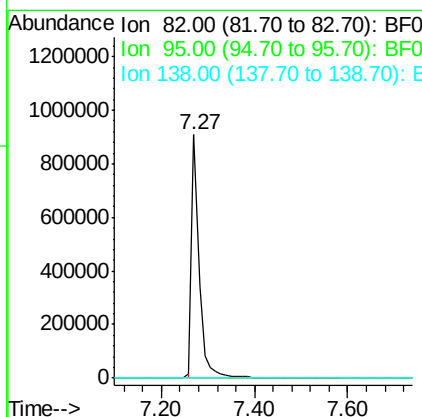
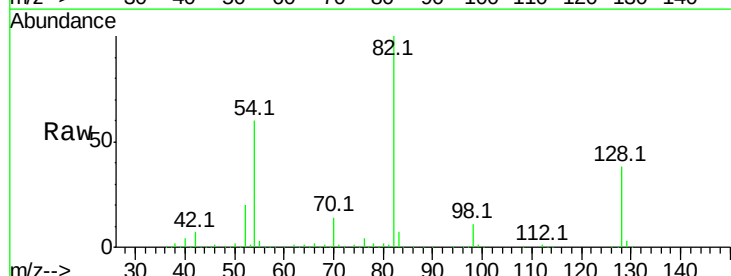
Instrument :
 BNA_F
 ClientSampleID :
 TP6

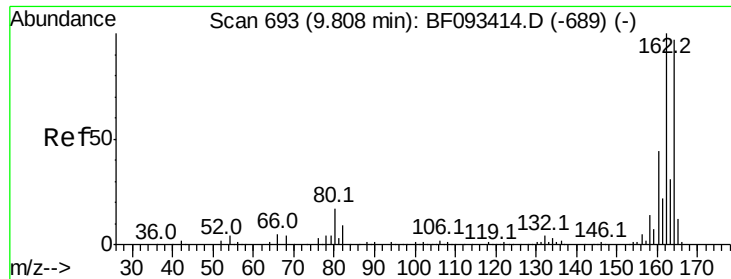
Tot Ion: 82 Resp: 1021259
 Ion Ratio Lower Upper
 82 100
 128 38.3 34.6 52.0
 54 60.2 39.5 59.3#



#25
 Isophorone
 Concen: 36.39 ng
 RT: 7.27 min Scan# 471
 Delta R.T. -0.29 min
 Lab File: BF093718.D
 Acq: 16 Mar 2017 20:46

Tgt Ion: 82 Resp: 1003099
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#

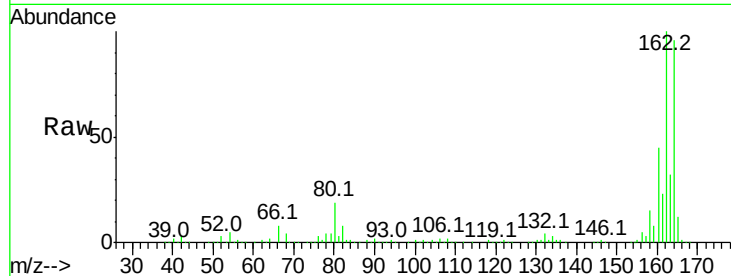




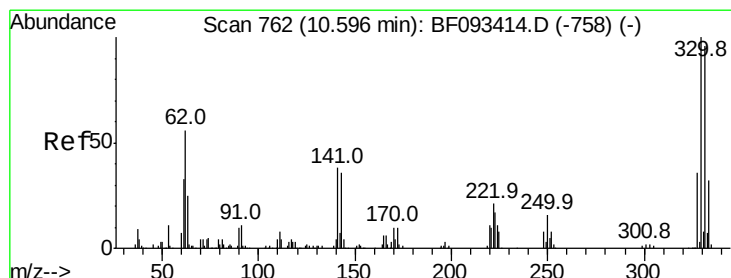
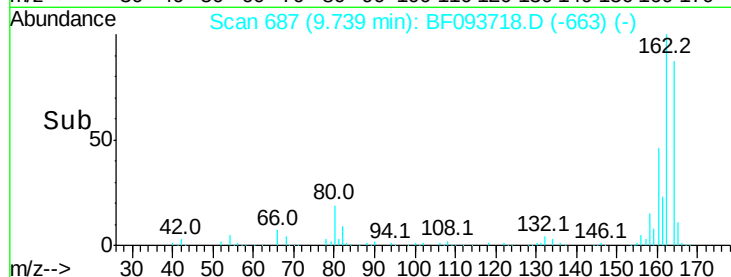
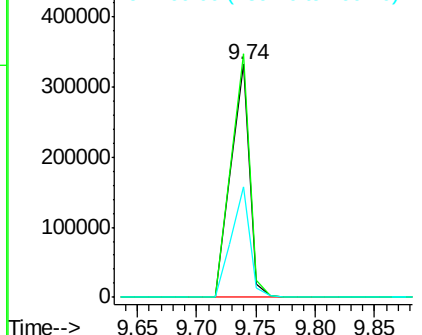
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF093718.D
Acq: 16 Mar 2017 20:46

Instrument :
BNA_F
ClientSampleId :
TP6

Tot Ion:164 Resp: 363571
Ion Ratio Lower Upper
164 100
162 104.4 80.2 120.2
160 47.3 36.9 55.3

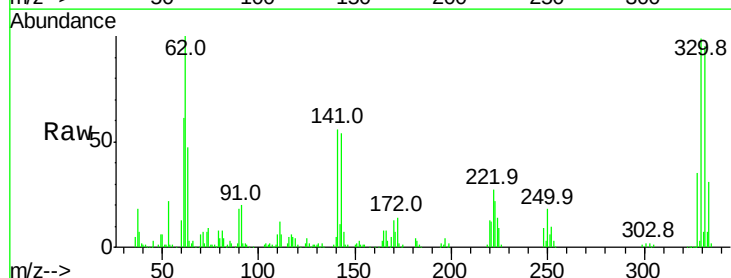


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

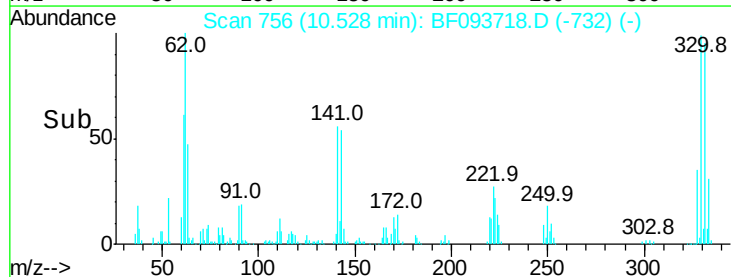
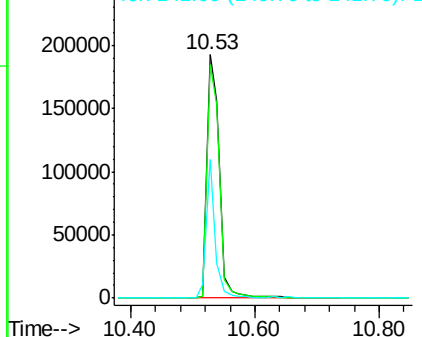


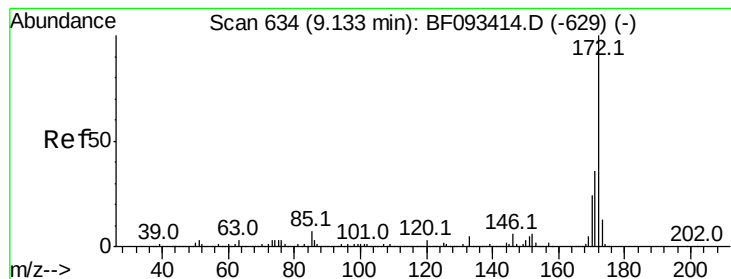
#41
2,4,6-Tribromophenol
Concen: 112.14 ng
RT: 10.53 min Scan# 756
Delta R.T. -0.02 min
Lab File: BF093718.D
Acq: 16 Mar 2017 20:46

Tgt Ion:330 Resp: 265624
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.2
141 41.5 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: 75.84 ng

RT: 9.06 min Scan# 628

Delta R.T. -0.02 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

Instrument :

BNA_F

ClientSampleId :

TP6

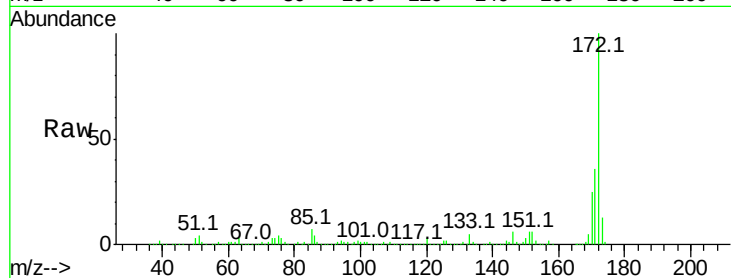
Tot Ion:172 Resp: 1482495

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

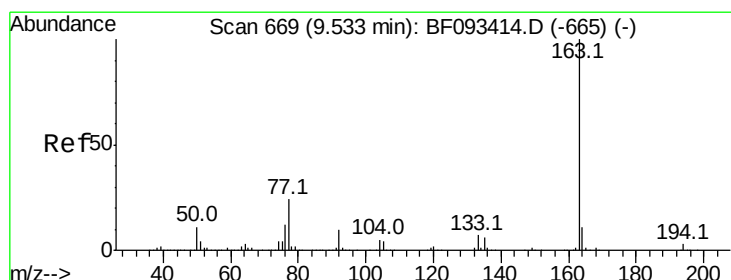
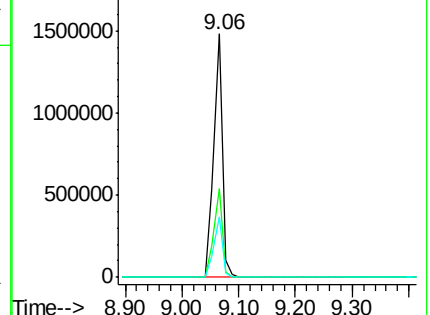
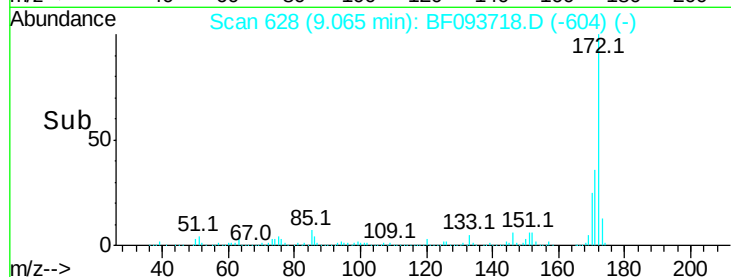
170 24.8 20.2 30.4



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: 12.29 ng

RT: 9.46 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

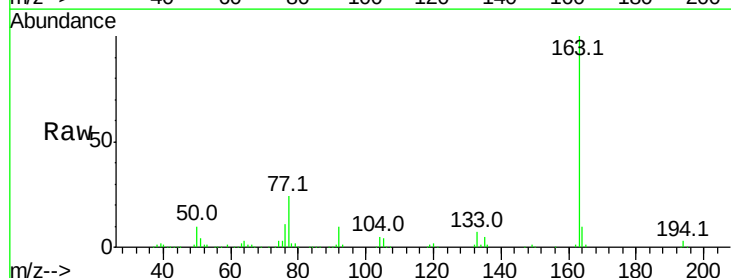
Tgt Ion:163 Resp: 296280

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

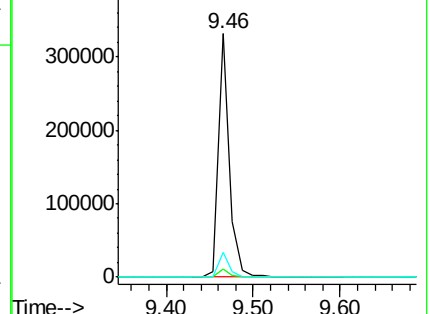
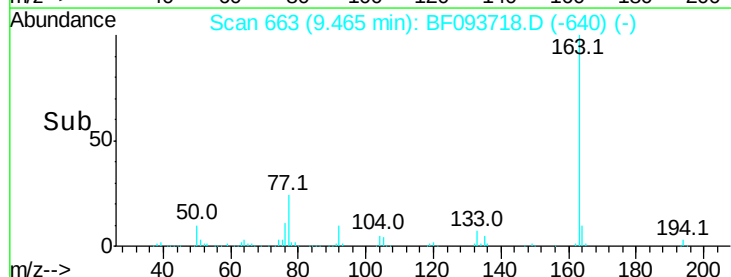
164 10.4 8.0 12.0

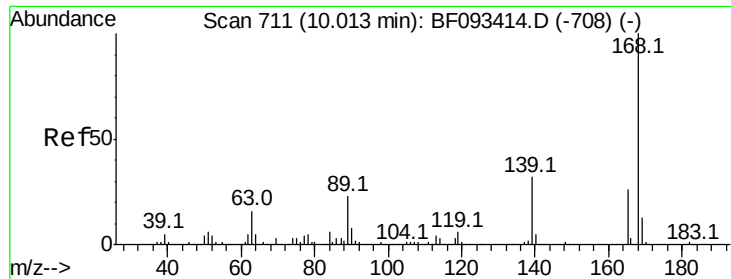


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

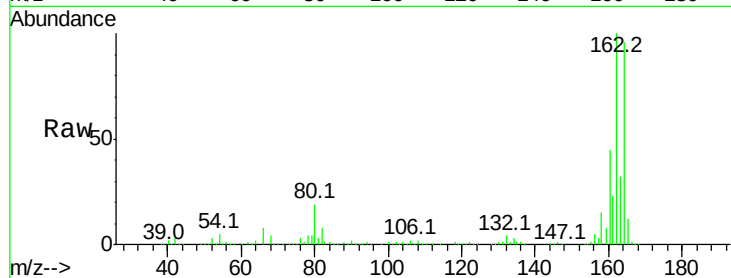




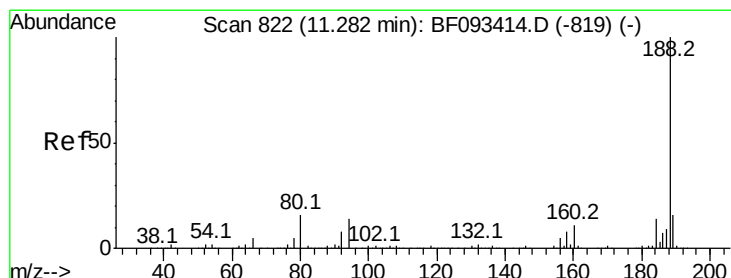
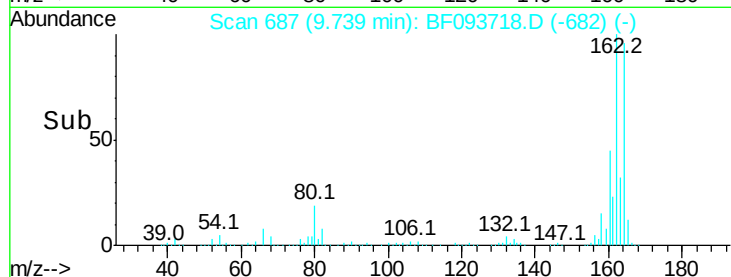
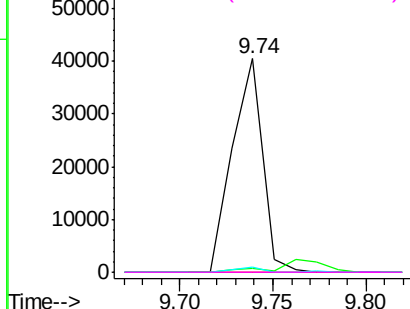
#56
 2,4-Dinitrotoluene
 Concen: 7.06 ng
 RT: 9.74 min Scan# 687
 Delta R.T. -0.24 min
 Lab File: BF093718.D
 Acq: 16 Mar 2017 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP6

Tot Ion:165 Resp: 45864
 Ion Ratio Lower Upper
 165 100
 63 1.6 40.2 60.4#
 89 2.1 62.5 93.7#
 182 0.0 1.8 2.8#

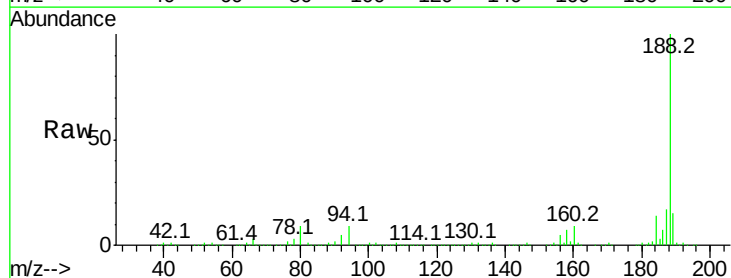


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

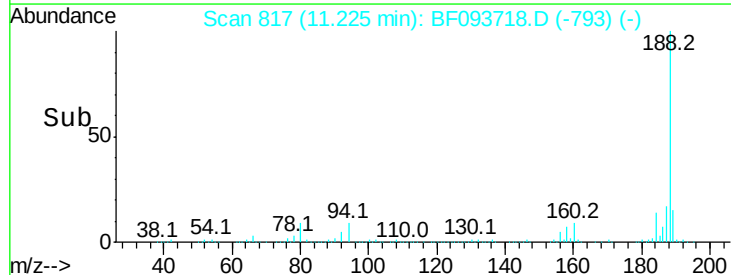
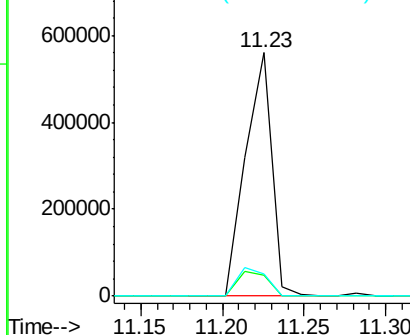


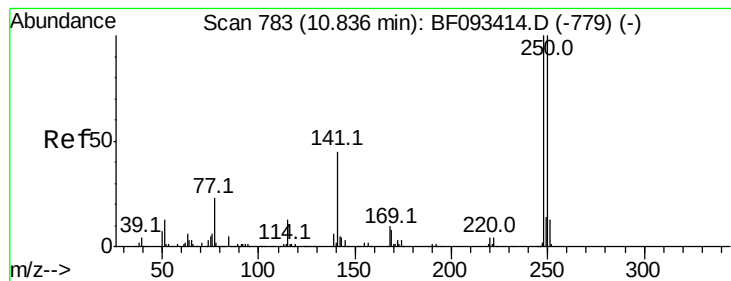
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BF093718.D
 Acq: 16 Mar 2017 20:46

Tgt Ion:188 Resp: 623642
 Ion Ratio Lower Upper
 188 100
 94 8.7 10.0 15.0#
 80 8.9 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: 2.98 ng

RT: 10.53 min Scan# 756

Delta R.T. -0.26 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

Instrument :

BNA_F

ClientSampled :

TP6

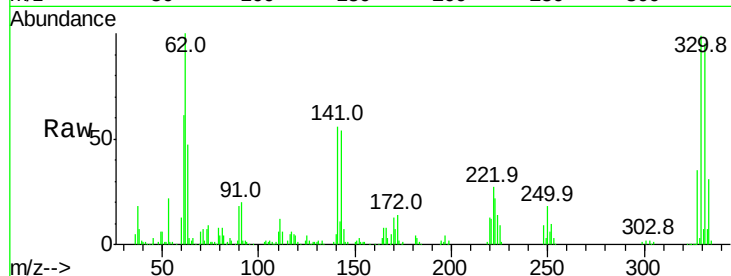
Tot Ion:248 Resp: 19670

Ion Ratio Lower Upper

248 100

250 200.6 76.9 115.3#

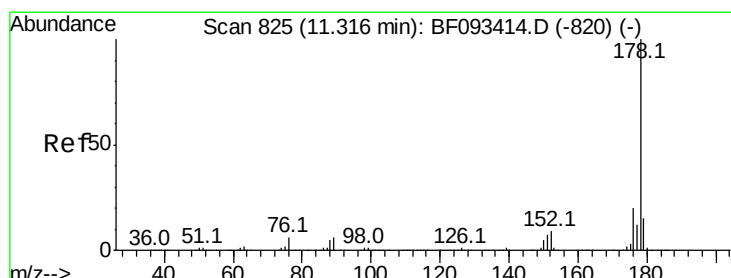
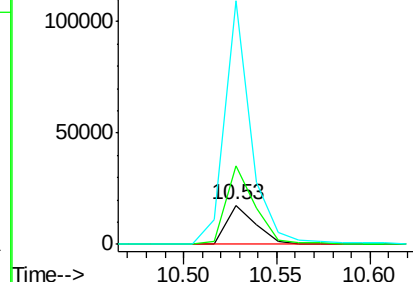
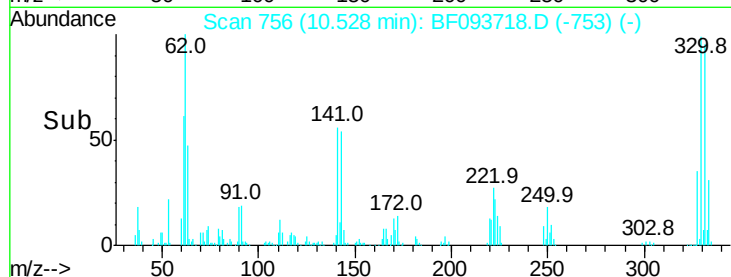
141 618.1 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 13.20 ng

RT: 11.25 min Scan# 819

Delta R.T. -0.02 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

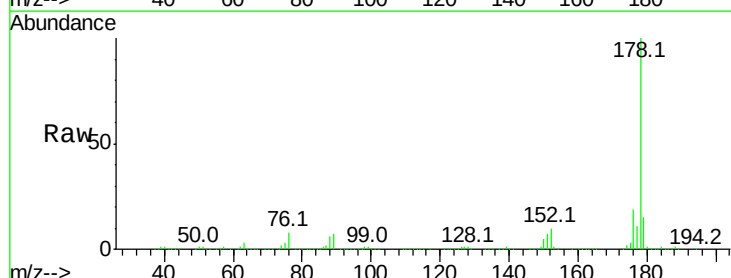
Tgt Ion:178 Resp: 469907

Ion Ratio Lower Upper

178 100

176 19.4 16.6 25.0

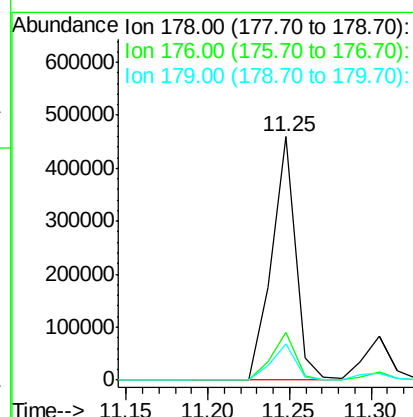
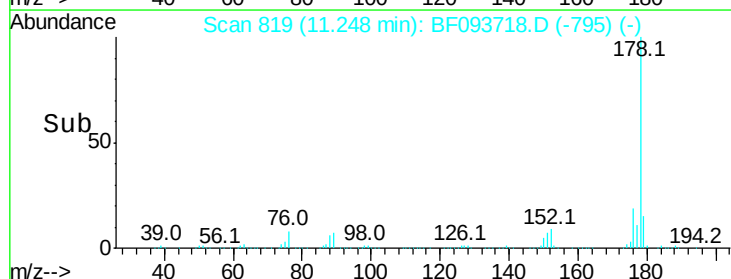
179 14.7 12.8 19.2

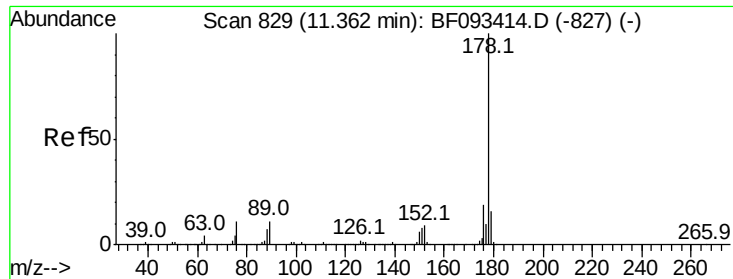


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.54 ng

RT: 11.31 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

Instrument :

BNA_F

ClientSampleId :

TP6

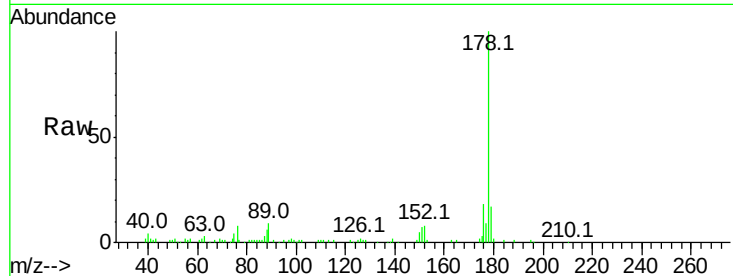
Tot Ion:178 Resp: 91435

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

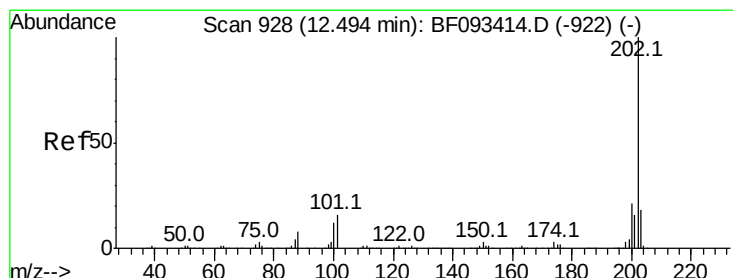
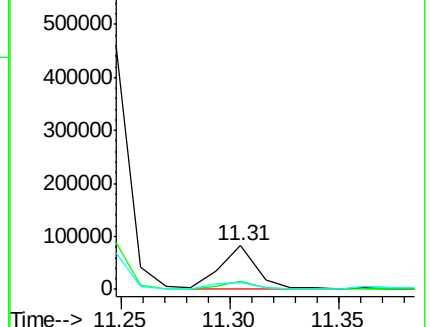
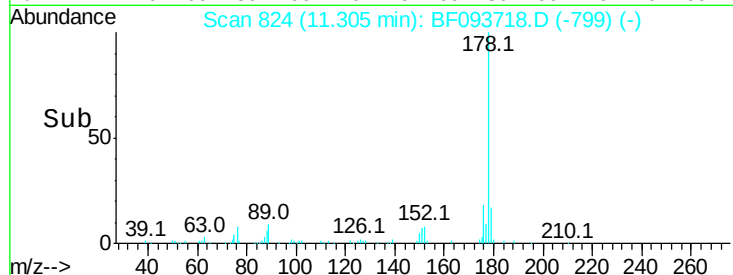
179 17.0 13.2 19.8



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: 18.66 ng

RT: 12.44 min Scan# 923

Delta R.T. -0.02 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

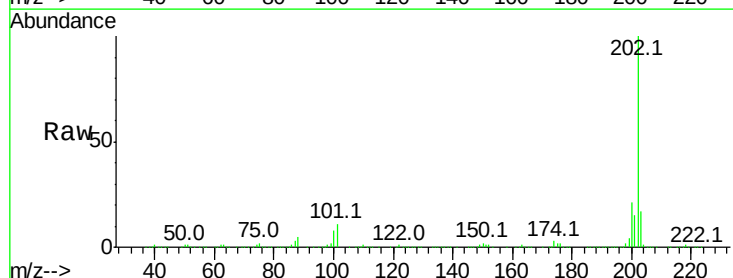
Tgt Ion:202 Resp: 641618

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.6

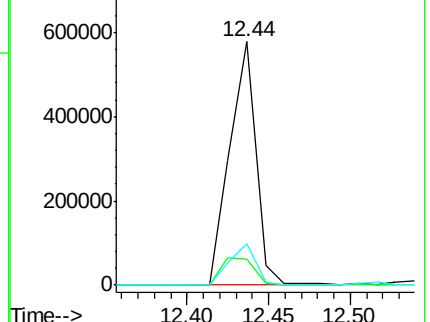
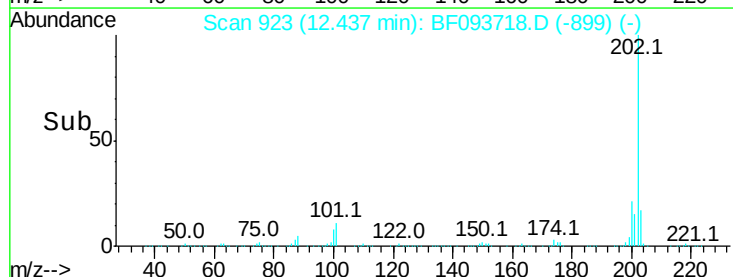
203 17.2 0.0 38.7

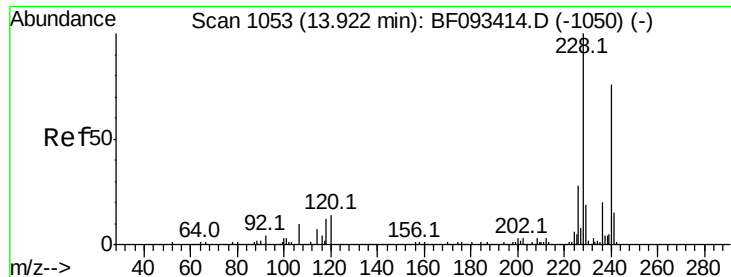


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.85 min Scan# 1047

Delta R.T. -0.03 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

Instrument :

BNA_F

ClientSampleId :

TP6

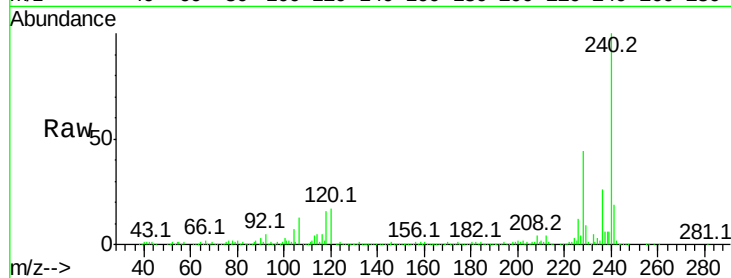
Tot Ion:240 Resp: 434002

Ion Ratio Lower Upper

240 100

120 17.5 12.9 19.3

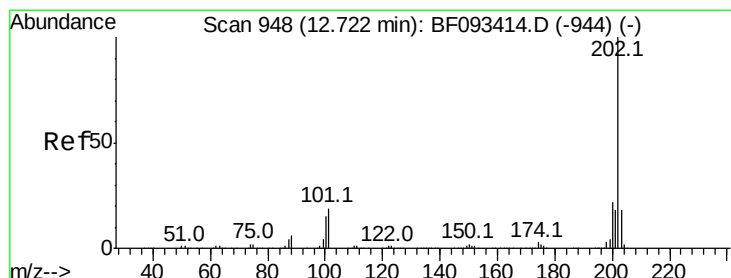
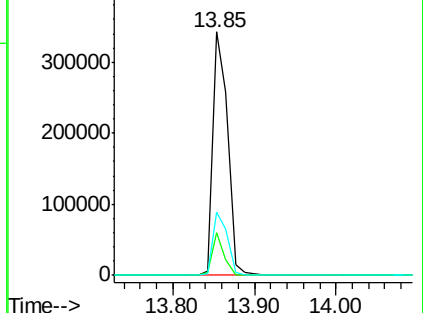
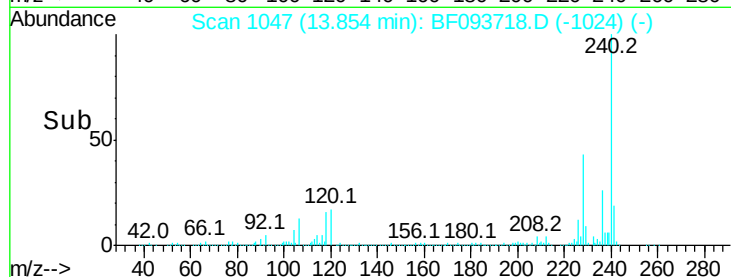
236 26.0 20.9 31.3



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: 18.12 ng

RT: 12.67 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

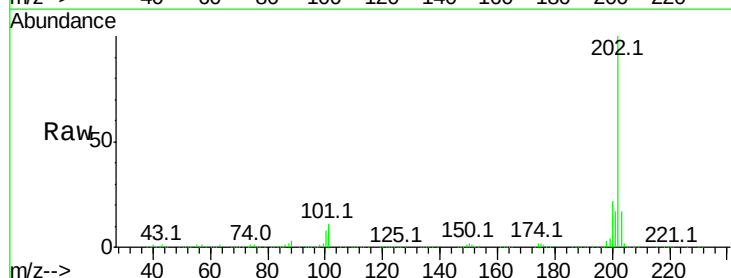
Tgt Ion:202 Resp: 571867

Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

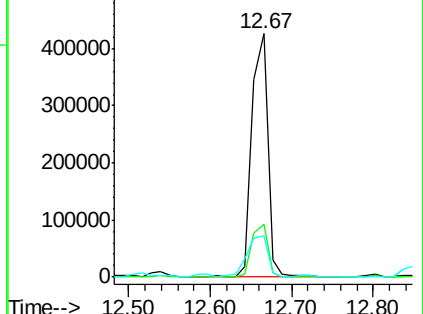
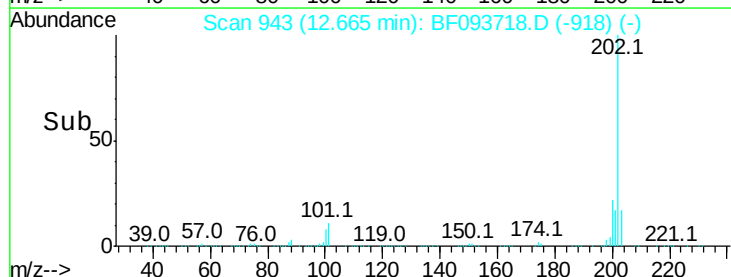
203 17.1 14.7 22.1

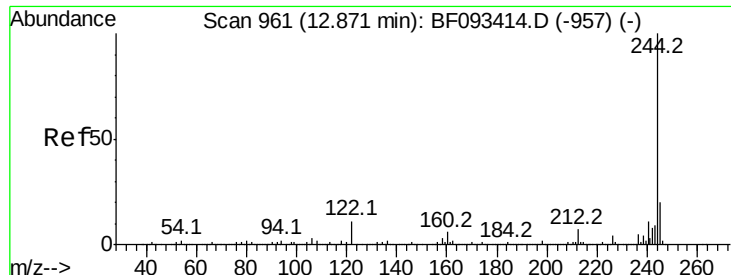


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.18 ng

RT: 12.80 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

Instrument :

BNA_F

ClientSampleId :

TP6

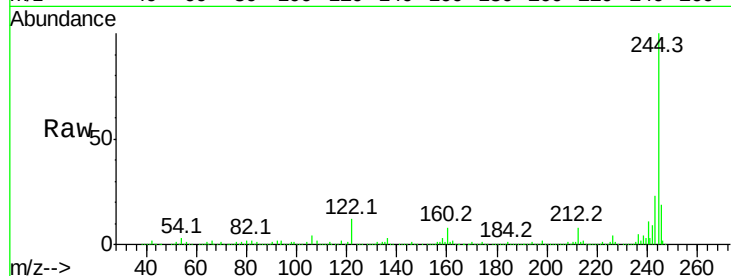
Tot Ion:244 Resp: 1138136

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

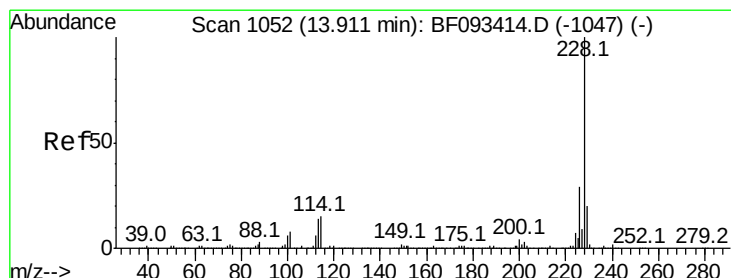
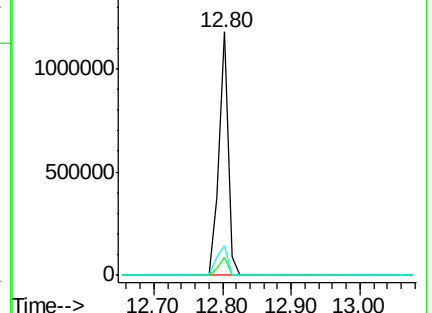
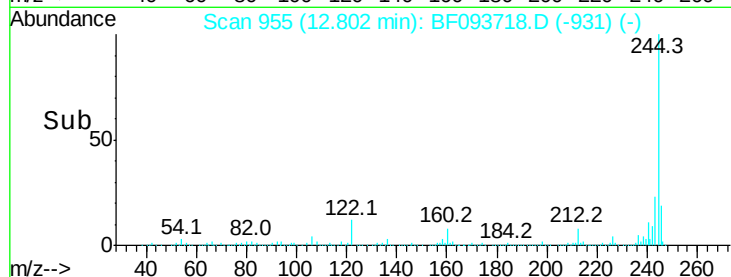
122 12.0 11.4 17.2



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: 8.61 ng

RT: 13.85 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

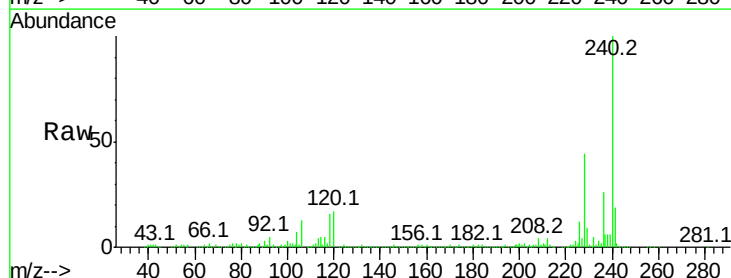
Tgt Ion:228 Resp: 220653

Ion Ratio Lower Upper

228 100

226 28.3 22.4 33.6

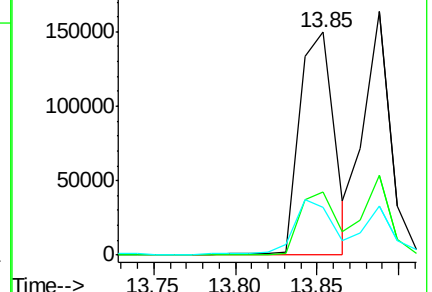
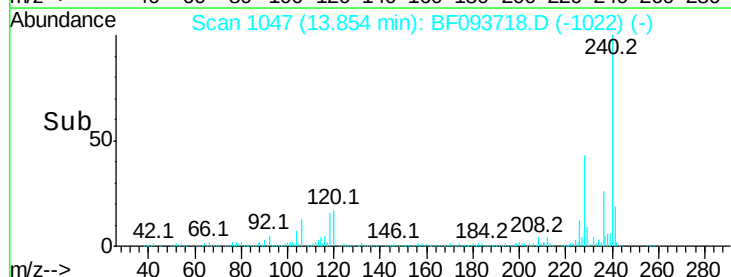
229 21.3 16.2 24.4

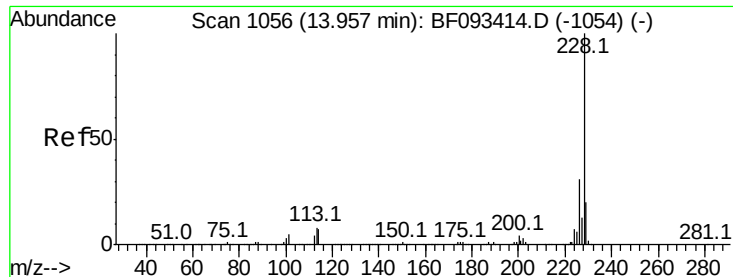


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.79 ng

RT: 13.89 min Scan# 1050

Delta R.T. -0.02 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

Instrument :

BNA_F

ClientSampled :

TP6

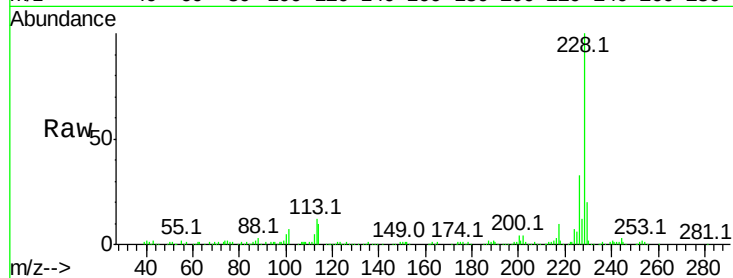
Tot Ion:228 Resp: 184761

Ion Ratio Lower Upper

228 100

226 32.5 25.4 38.0

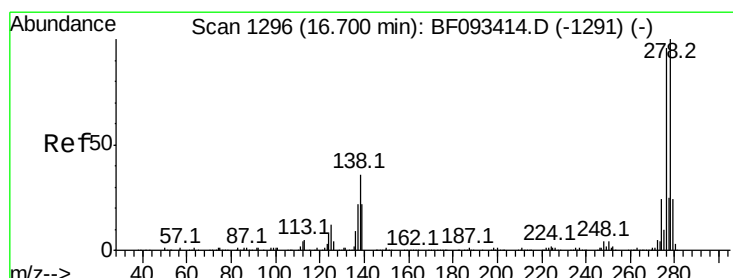
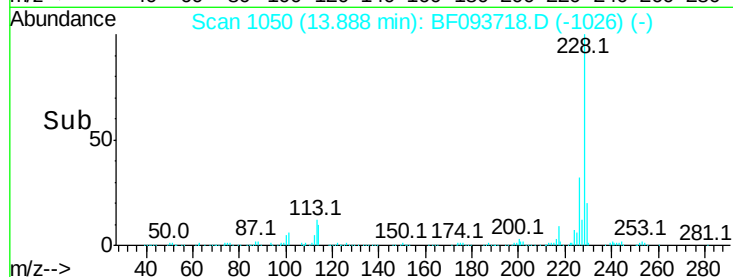
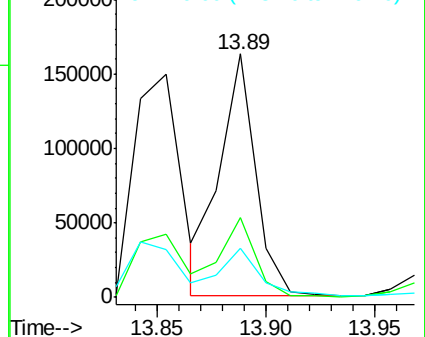
229 20.1 16.2 24.2



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: 4.59 ng

RT: 16.61 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

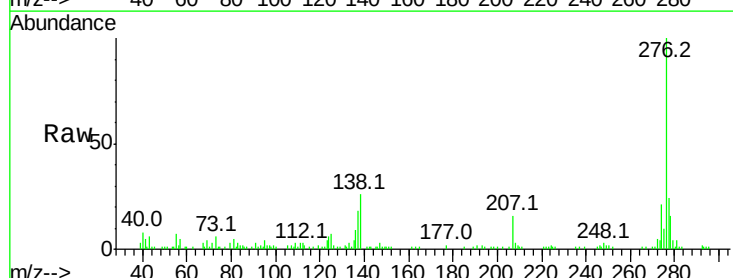
Tgt Ion:276 Resp: 91065

Ion Ratio Lower Upper

276 100

138 29.8 21.8 32.6

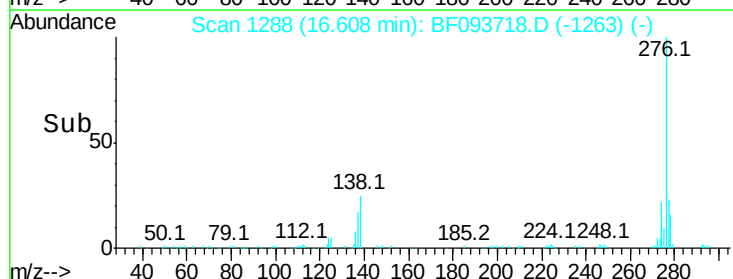
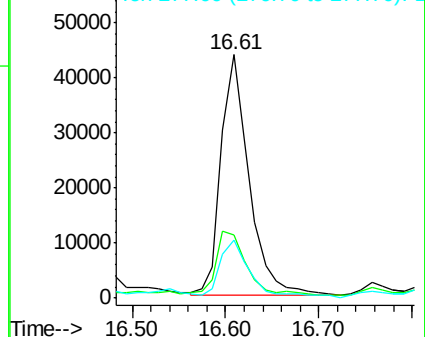
277 26.9 20.2 30.4

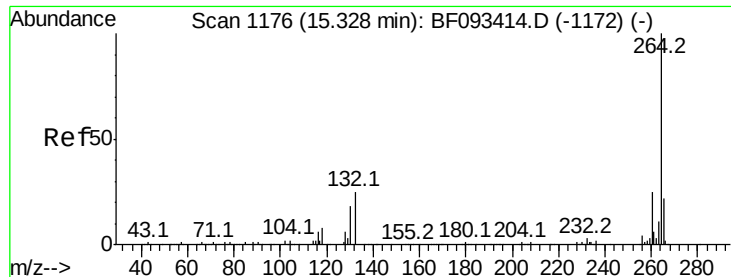


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.26 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

Instrument :

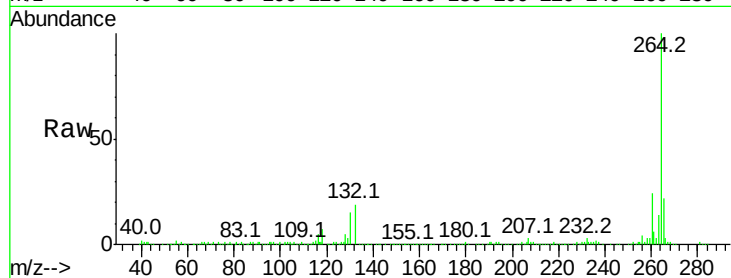
BNA_F

ClientSampleId :

TP6

Tot Ion:264 Resp: 336540

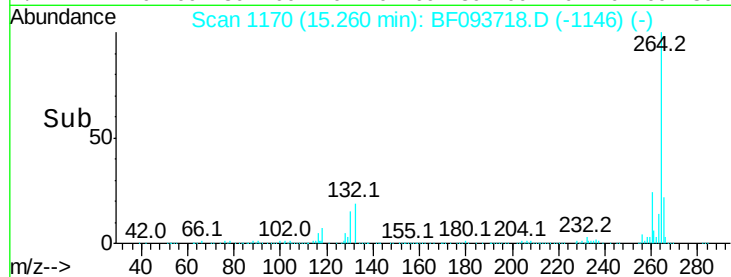
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.9	17.4	26.0



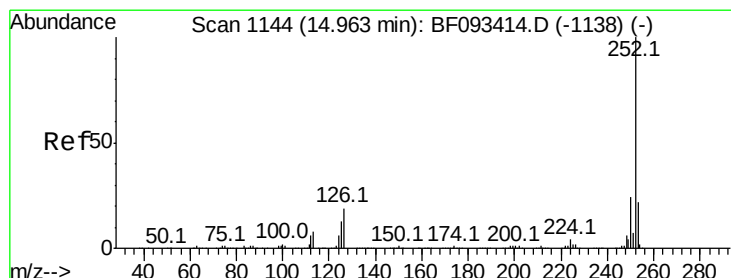
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time--> 15.10 15.20 15.30 15.40



#87

Benzo(b)fluoranthene

Concen: 13.55 ng

RT: 14.87 min Scan# 1136

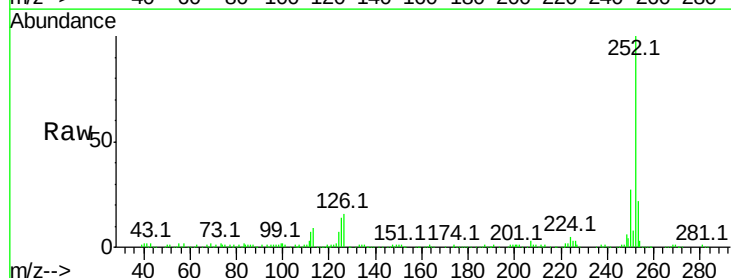
Delta R.T. -0.02 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

Tgt Ion:252 Resp: 277795

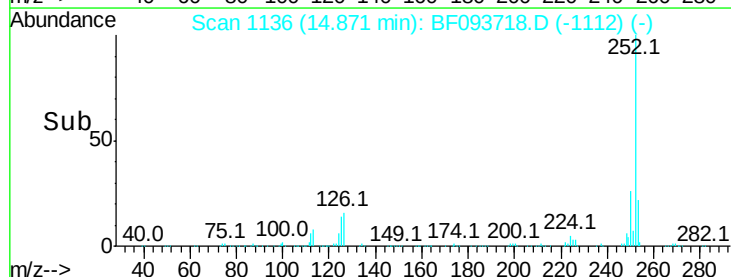
Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	14.4	9.8	14.6



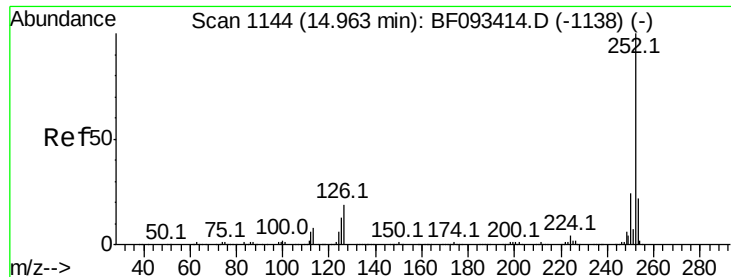
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 14.80 14.90



#88

Benzo(k)fluoranthene

Concen: 14.05 ng

RT: 14.87 min Scan# 1136

Delta R.T. -0.05 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

Instrument :

BNA_F

ClientSampleId :

TP6

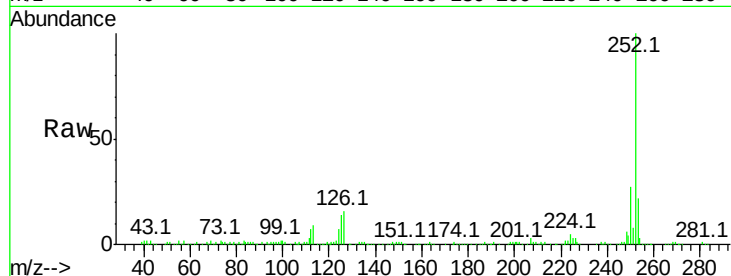
Tot Ion:252 Resp: 277795

Ion Ratio Lower Upper

252 100

253 21.9 18.5 27.7

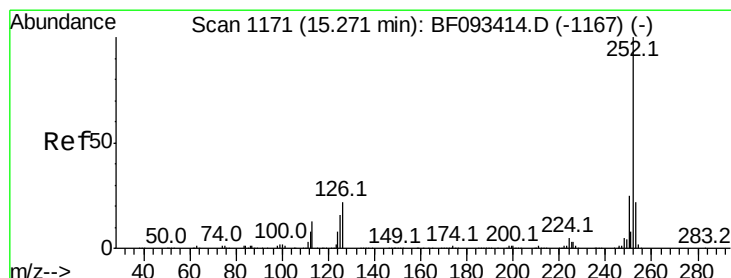
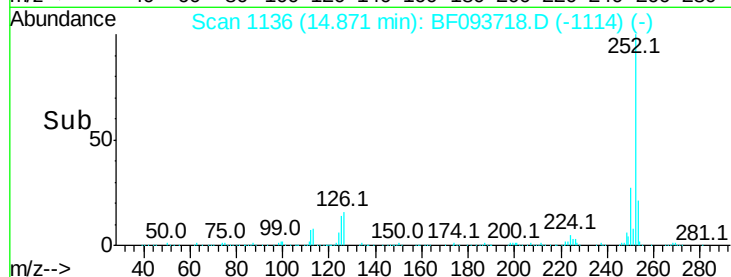
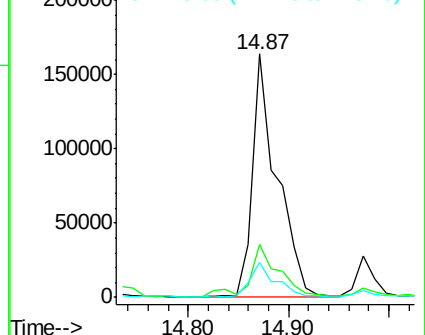
125 14.4 8.9 13.3#



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: 8.06 ng

RT: 15.20 min Scan# 1165

Delta R.T. -0.02 min

Lab File: BF093718.D

Acq: 16 Mar 2017 20:46

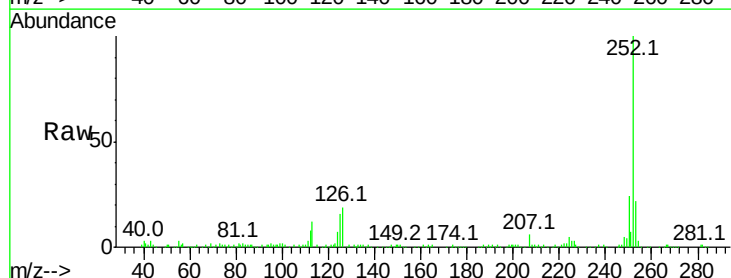
Tgt Ion:252 Resp: 150932

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

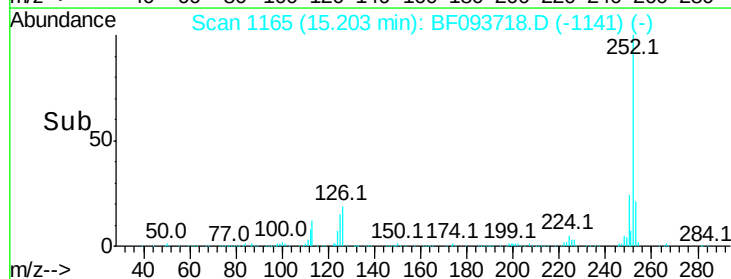
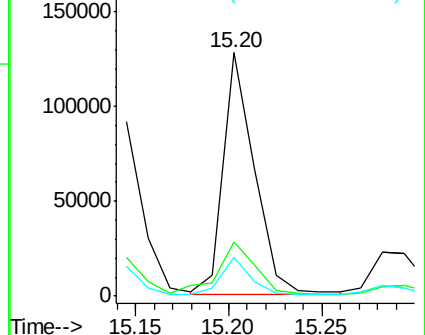
125 15.9 10.0 15.0#

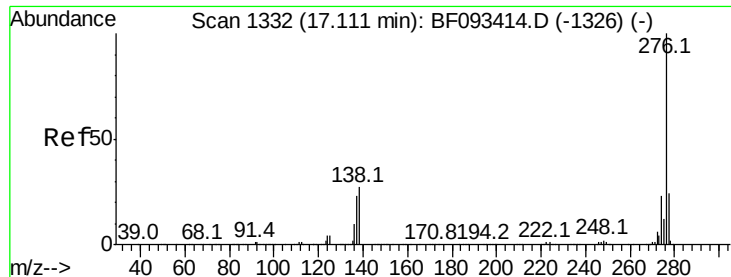


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

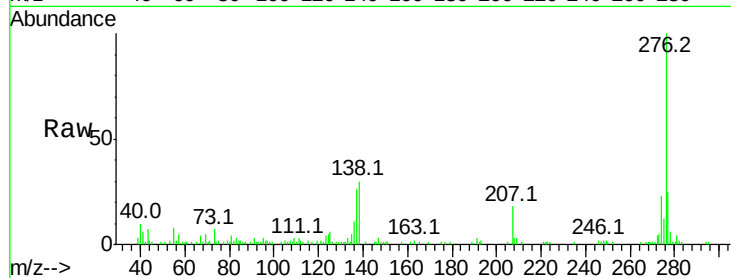




#91
 Benzo(a,h,i)perylene
 Concen: 5.78 ng
 RT: 17.01 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF093718.D
 Acq: 16 Mar 2017 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP6

Tot Ion:276 Resp: 91974
 Ion Ratio Lower Upper
 276 100
 277 25.4 19.2 28.8
 138 29.5 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

