

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096276.D
 Acq On : 29 Jun 2017 4:36
 Operator : SJ/MA
 Sample : I3909-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 05:42:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	130885	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	511541	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	199377	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	330136	20.00	ng	0.01
75) Chrysene-d12	13.93	240	300805	20.00	ng	0.01
86) Perylene-d12	15.35	264	222022	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	817727	90.01	ng	0.02
7) Phenol-d6	6.41	99	1035508	94.13	ng	0.02
23) Nitrobenzene-d5	7.34	82	616358	83.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	163204	104.01	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	756135	69.45	ng	-0.01
78) Terphenyl-d14	12.88	244	580932	48.19	ng	0.01

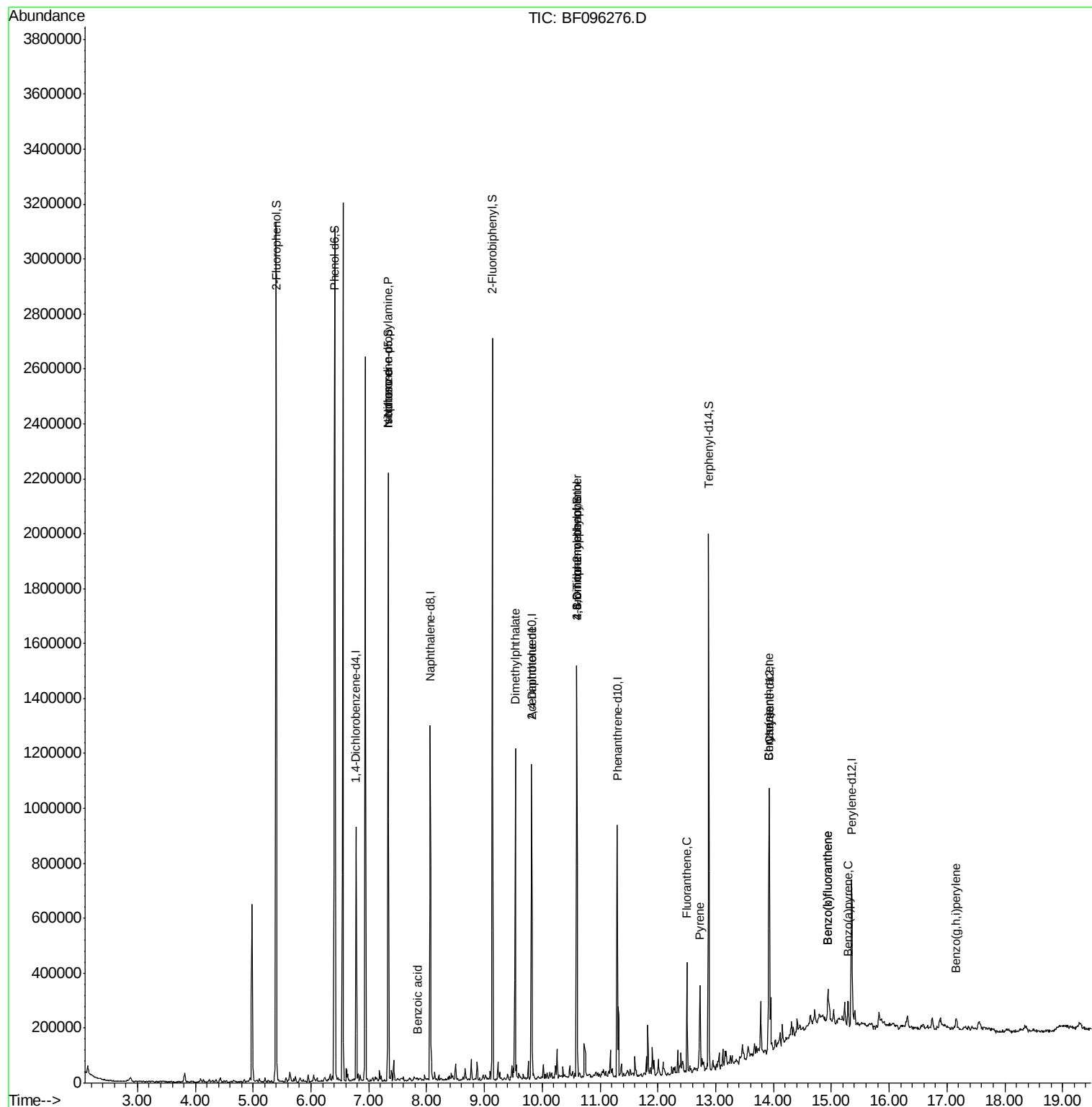
Target Compounds				Qvalue		
9) Benzaldehyde	6.33	77	2376	Below Cal		82
19) n-Nitroso-di-n-propylamine	7.34	70	80787	12.26 ng	#	87
25) Isophorone	7.34	82	616347	36.73 ng	#	67
32) Benzoic acid	7.85	122	832	8.91 ng	#	42
49) Dimethylphthalate	9.53	163	474167	33.23 ng		99
56) 2,4-Dinitrotoluene	9.82	165	26835	7.17 ng	#	33
57) Fluorene	10.36	166	3235	Below Cal	#	92
60) 4-Chlorophenyl-phenylether	10.16	204	874	Below Cal	#	21
64) 4,6-Dinitro-2-methylphenol	10.59	198	112	8.80 ng	#	1
66) 4-Bromophenyl-phenylether	10.60	248	9668	2.85 ng	#	1
70) Phenanthrene	11.32	178	88862	Below Cal		99
74) Fluoranthene	12.50	202	126635	6.91 ng		97
77) Pvrene	12.73	202	121367	4.91 ng		98
80) Benzo(a)anthracene	13.92	228	58527	3.19 ng		97
82) Chrysene	13.92	228	58527	3.09 ng		97
87) Benzo(b)fluoranthene	14.94	252	79529	5.45 ng	#	91
88) Benzo(k)fluoranthene	14.94	252	79529	5.97 ng	#	94
89) Benzo(a)pyrene	15.29	252	40389	3.14 ng	#	88
91) Benzo(a,h,i)perylene	17.16	276	25903	2.47 ng		95

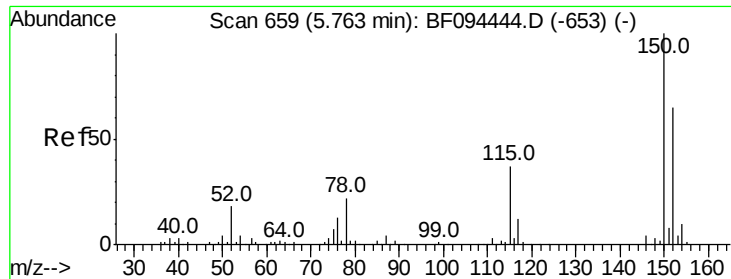
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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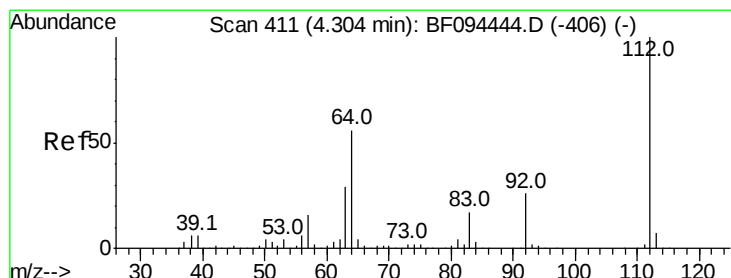
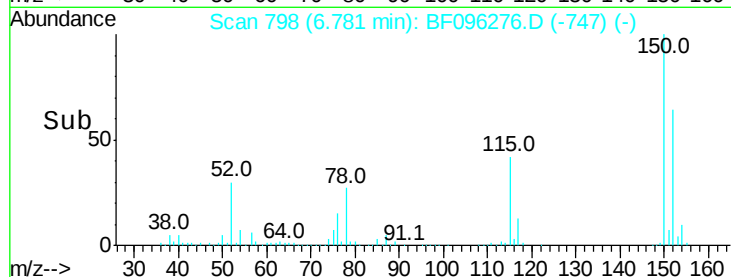
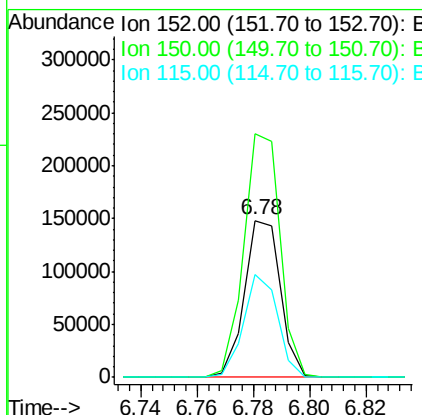
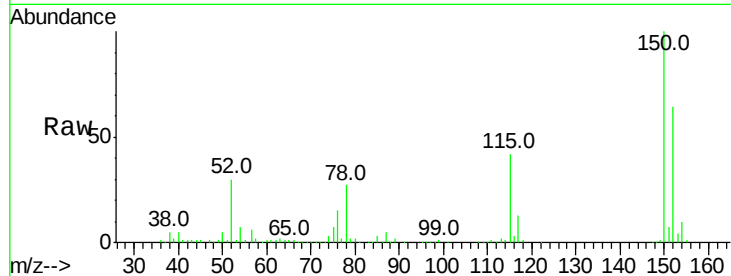


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096276.D
Acq: 29 Jun 2017 4:36

Instrument :
BNA_F
ClientSampleId :

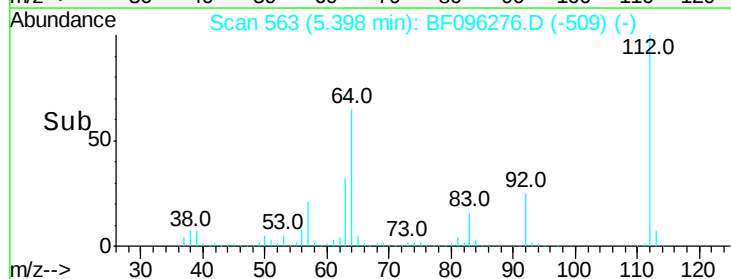
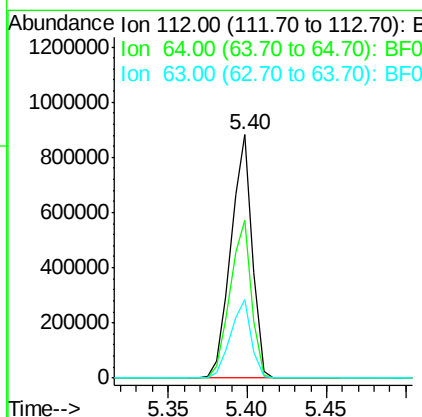
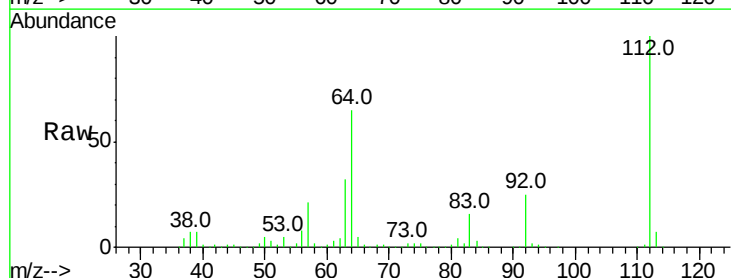
Tot Ion:152 Resp: 130885
Ion Ratio Lower Upper
152 100
150 155.2 126.2 189.2
115 65.8 52.2 78.2

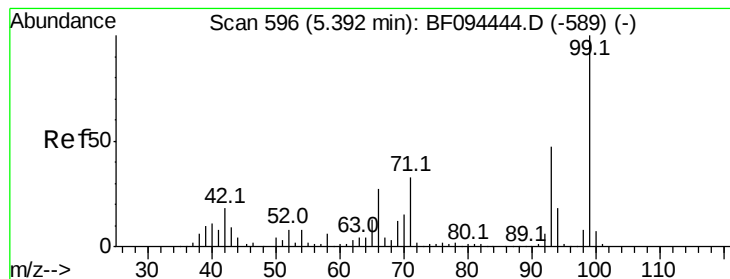


#5

2-Fluorophenol
Concen: 90.01 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF096276.D
Acq: 29 Jun 2017 4:36

Tgt Ion:112 Resp: 817727
Ion Ratio Lower Upper
112 100
64 64.7 46.0 69.0
63 32.0 23.4 35.0





#7

Phenol-d6

Concen: 94.13 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.02 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

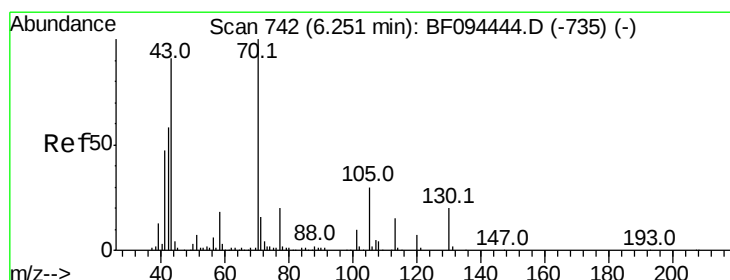
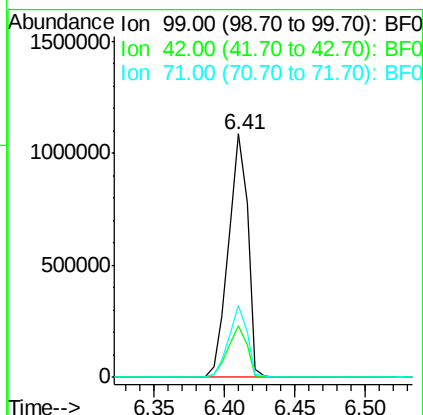
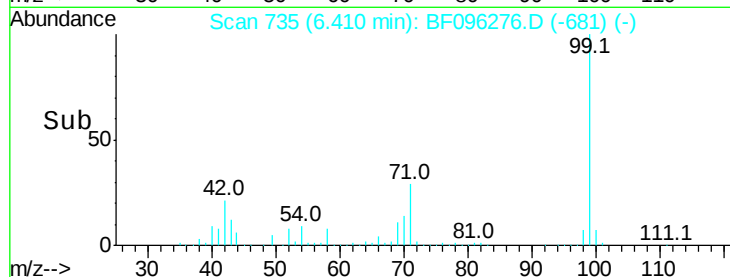
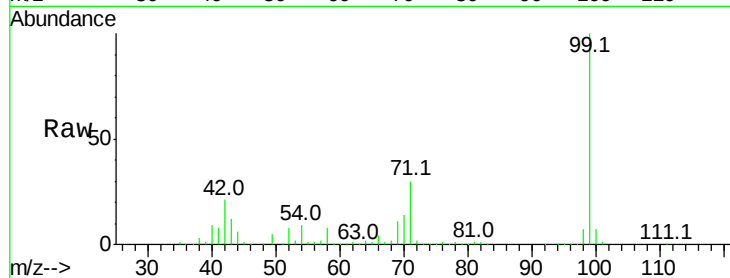
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1035508

Ion	Ratio	Lower	Upper
99	100		
42	21.4	13.5	20.3#
71	29.5	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.26 ng

RT: 7.34 min Scan# 893

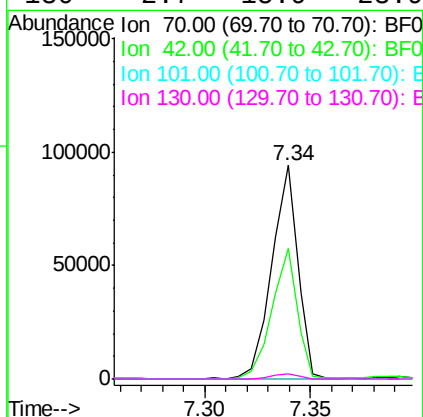
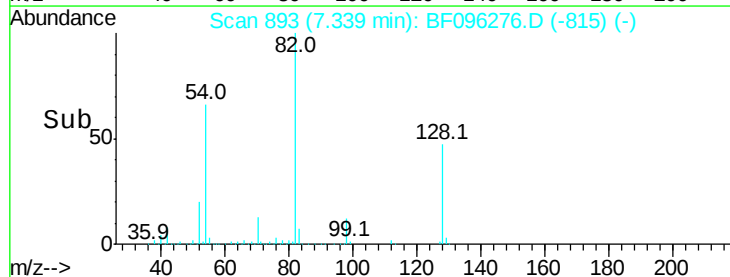
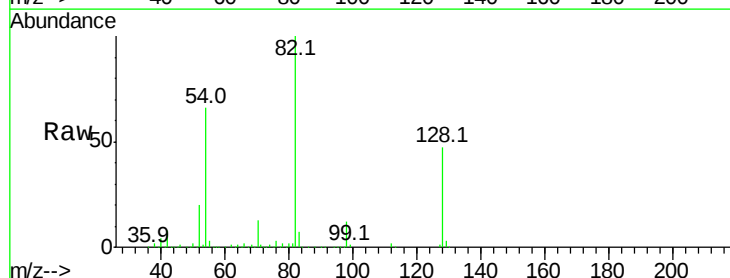
Delta R.T. 0.16 min

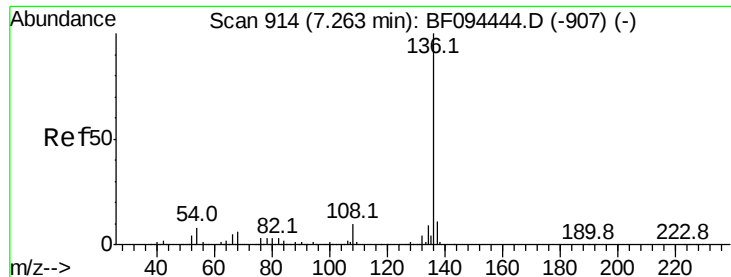
Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

Tgt Ion: 70 Resp: 80787

Ion	Ratio	Lower	Upper
70	100		
42	61.2	47.2	70.8
101	0.0	7.2	10.8#
130	2.7	15.9	23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 511541

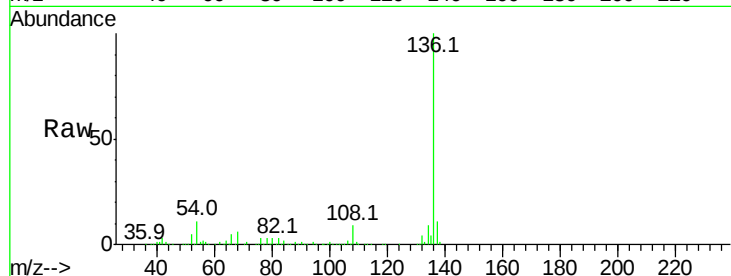
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.9 4.9 7.3#

68 6.5 4.1 6.1#

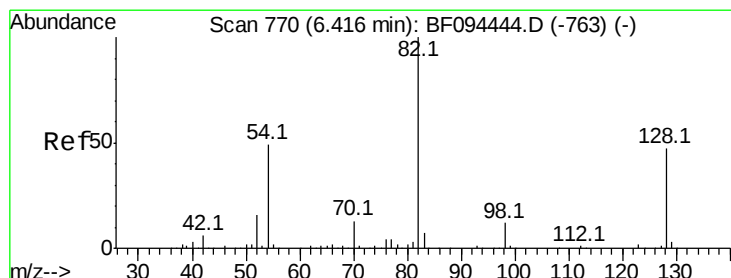
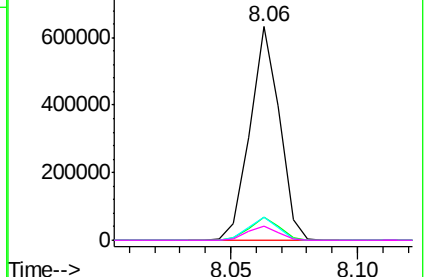
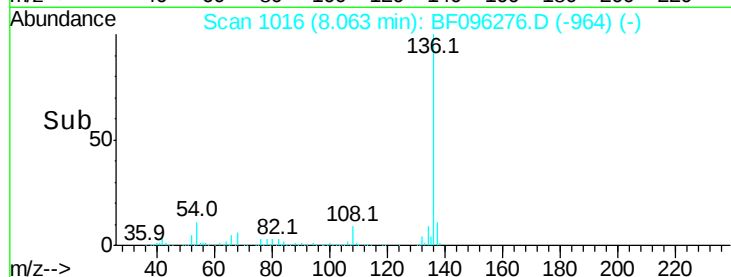


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 83.41 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.02 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

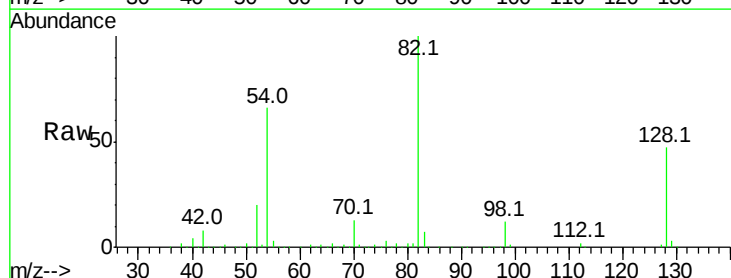
Tgt Ion: 82 Resp: 616358

Ion Ratio Lower Upper

82 100

128 46.9 34.0 51.0

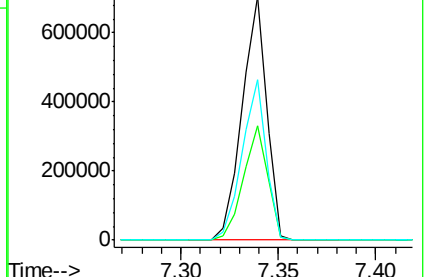
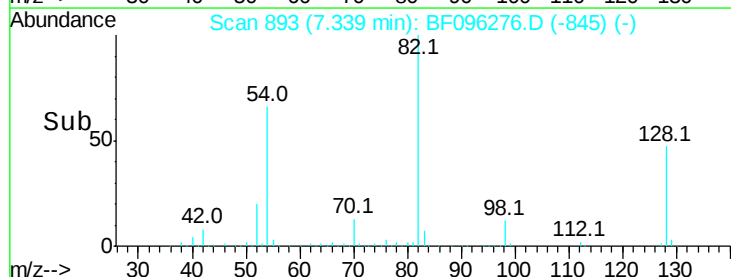
54 66.0 42.2 63.2#

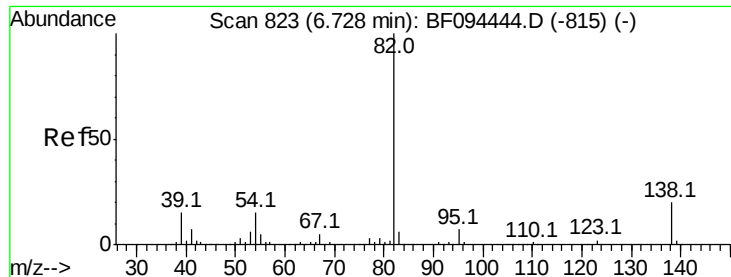


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.73 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.25 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

Instrument :
BNA_F
ClientSampleId :

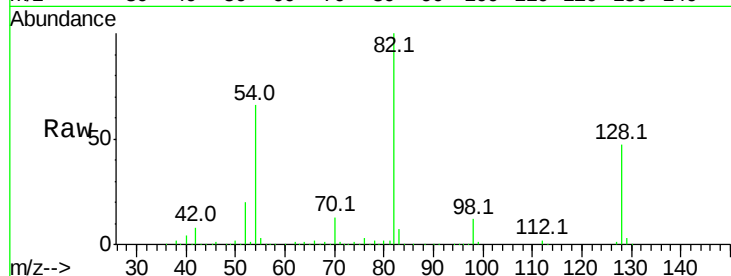
Tot Ion: 82 Resp: 616347

Ion Ratio Lower Upper

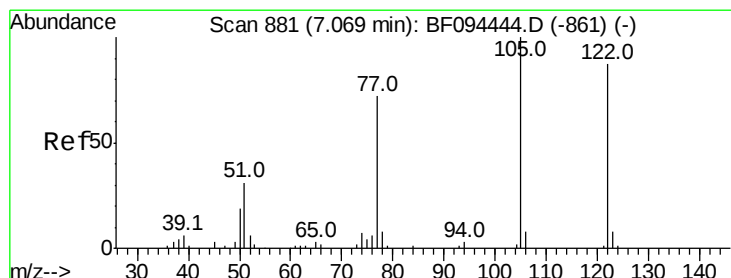
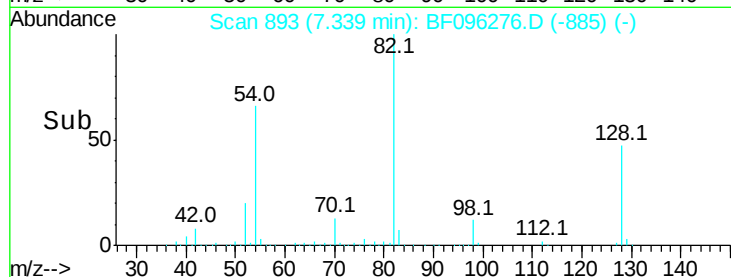
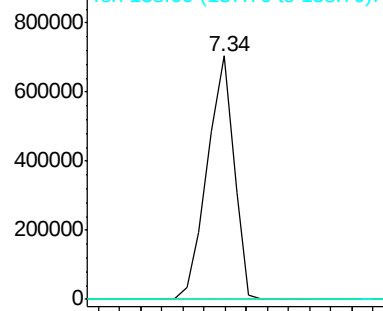
82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 8.91 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.04 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

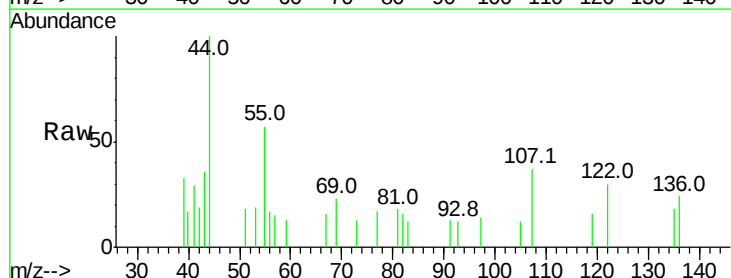
Tgt Ion: 122 Resp: 832

Ion Ratio Lower Upper

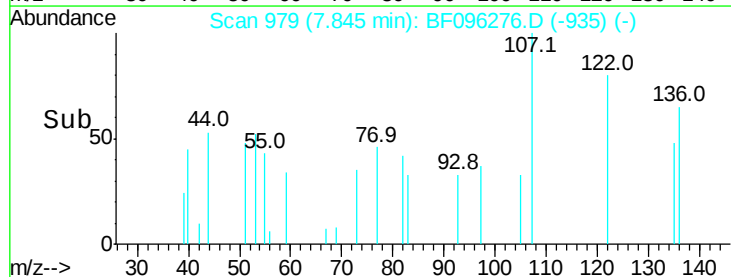
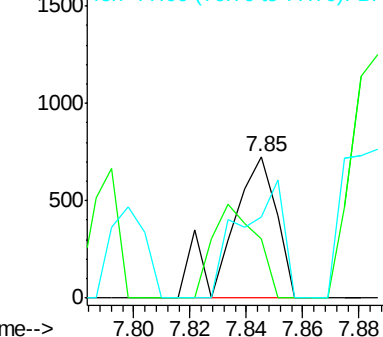
122 100

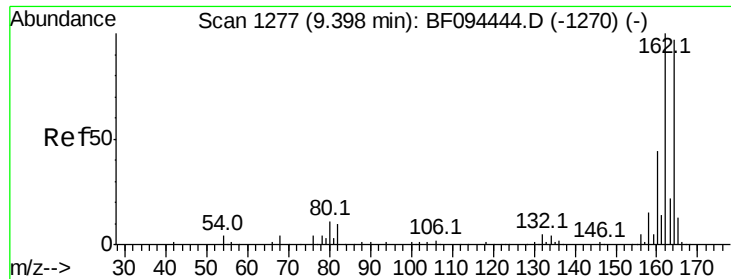
105 41.5 103.3 143.3#

77 57.0 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

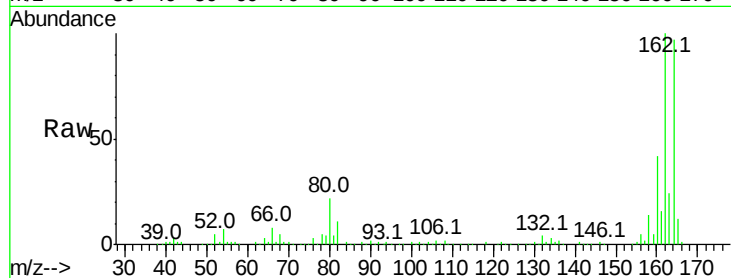




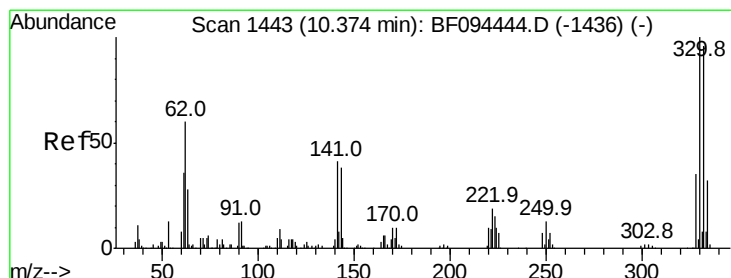
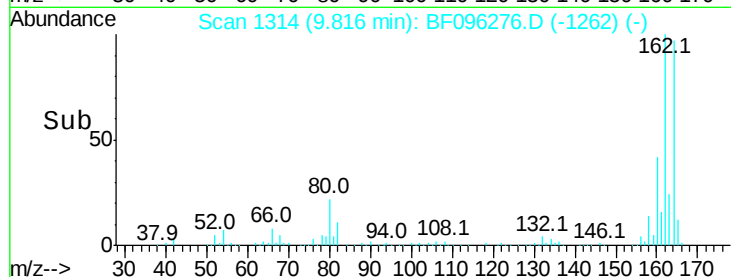
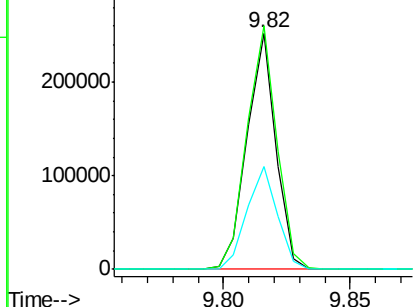
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF096276.D
 Acq: 29 Jun 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 199377
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 123.8
 160 43.7 36.2 54.2

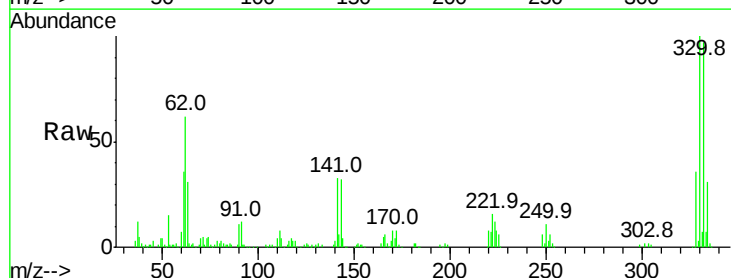


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

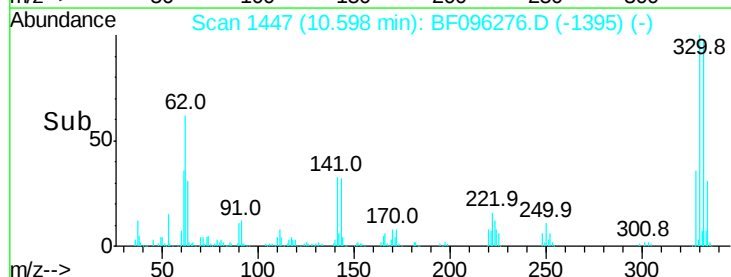
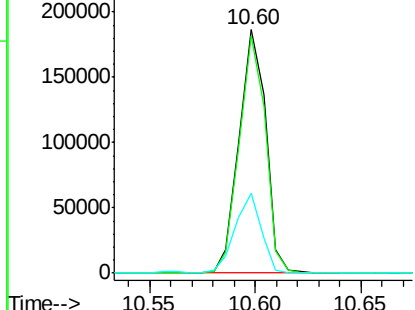


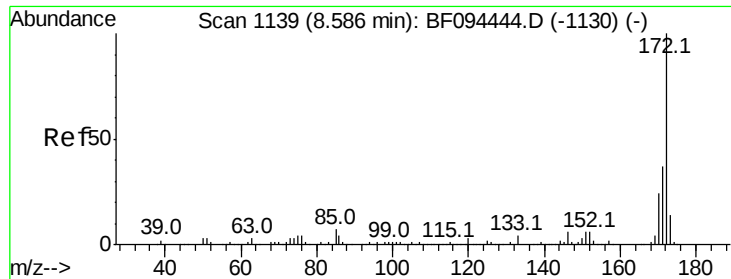
#41
 2,4,6-Tribromophenol
 Concen: 104.01 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.01 min
 Lab File: BF096276.D
 Acq: 29 Jun 2017 4:36

Tgt Ion:330 Resp: 163204
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.6 115.0
 141 31.7 31.4 47.2



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

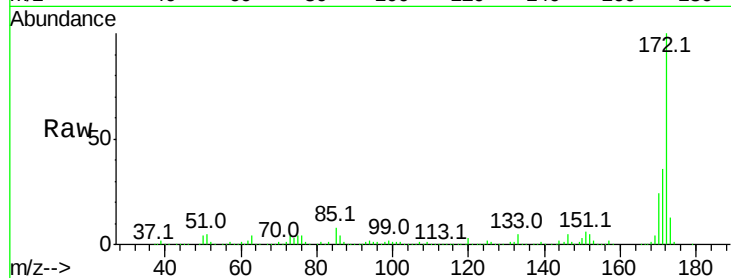




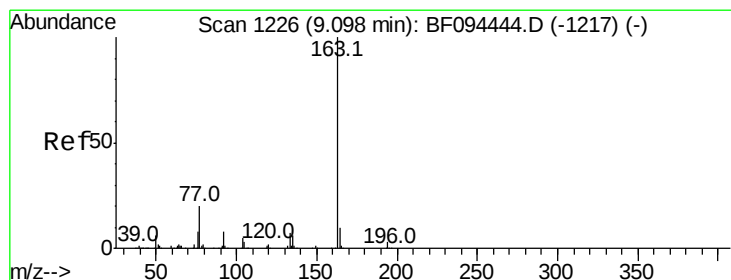
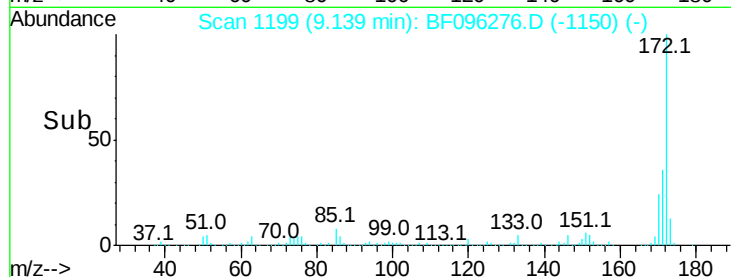
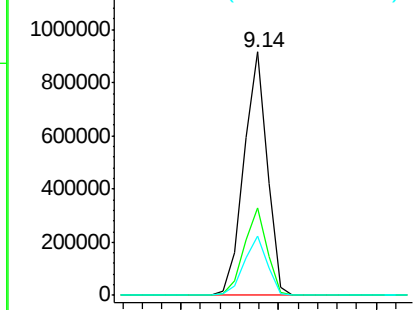
#44
2-Fluorobiphenyl
Concen: 69.45 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF096276.D
Acq: 29 Jun 2017 4:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.1	19.8	29.8

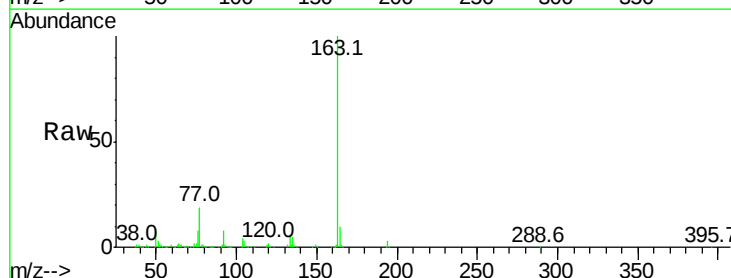


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

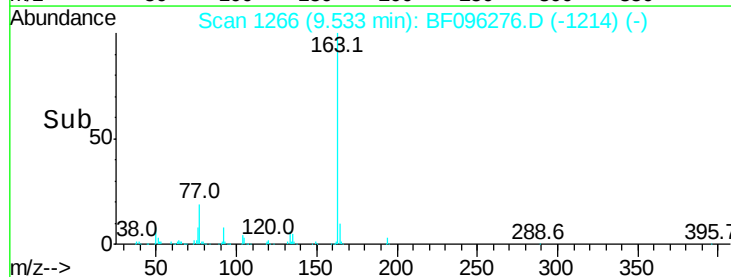
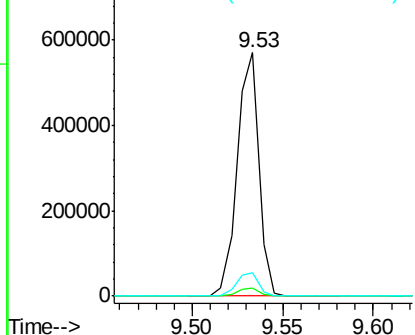


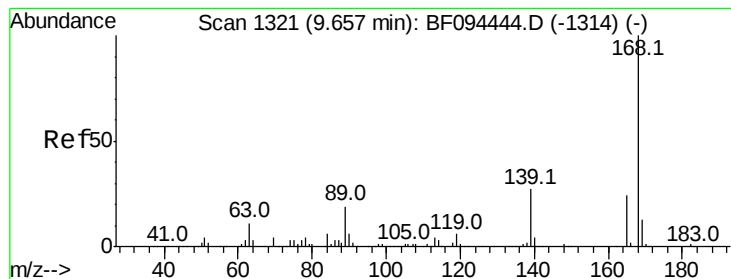
#49
Dimethylphthalate
Concen: 33.23 ng
RT: 9.53 min Scan# 1266
Delta R.T. 0.01 min
Lab File: BF096276.D
Acq: 29 Jun 2017 4:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.9	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 7.17 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.19 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 26835

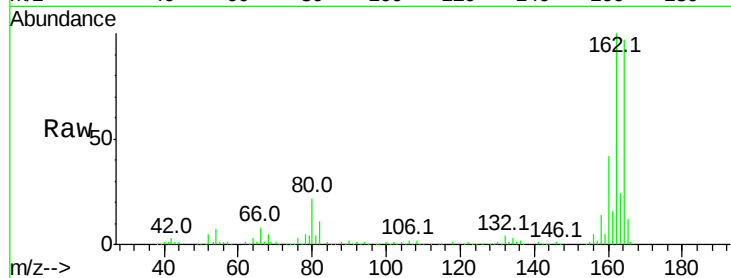
Ion Ratio Lower Upper

165 100

63 2.1 25.4 38.0#

89 1.2 46.4 69.6#

182 0.0 1.8 2.6#

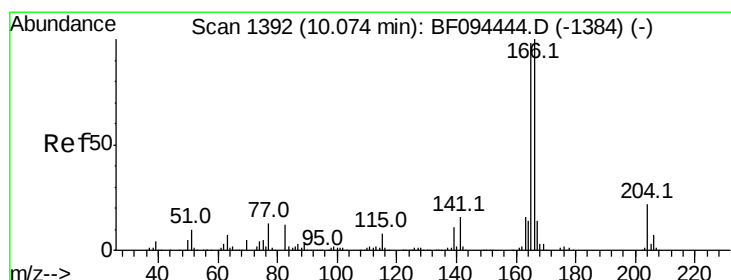
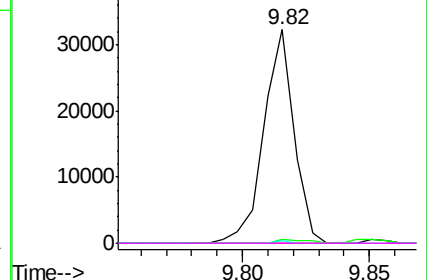
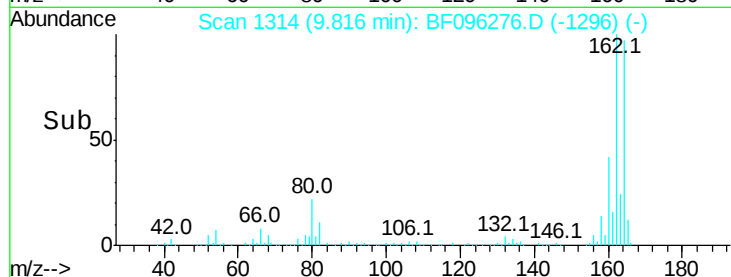


Abundance Ion 165.00 (164.70 to 165.70): E

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: Below Cal

RT: 10.36 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

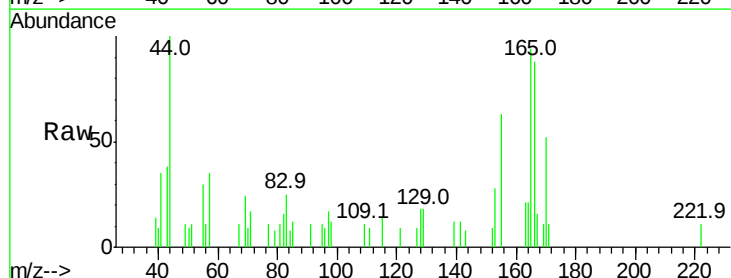
Tgt Ion:166 Resp: 3235

Ion Ratio Lower Upper

166 100

165 106.2 78.8 118.2

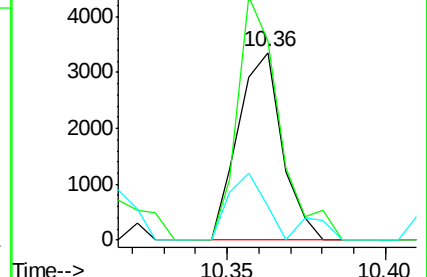
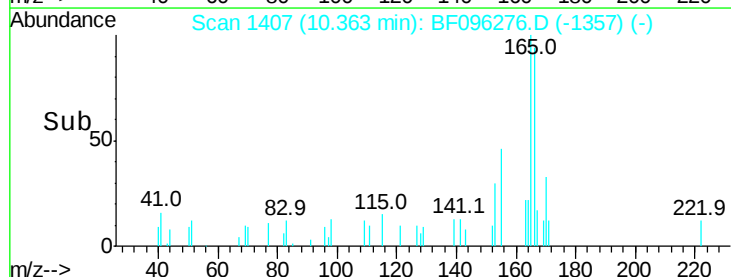
167 17.9 10.6 16.0#

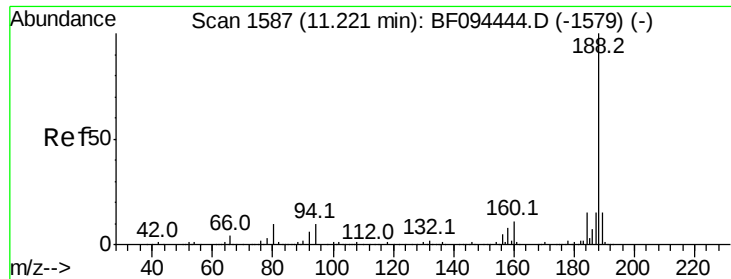


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

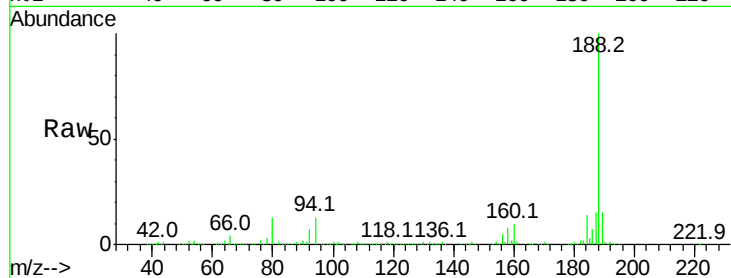




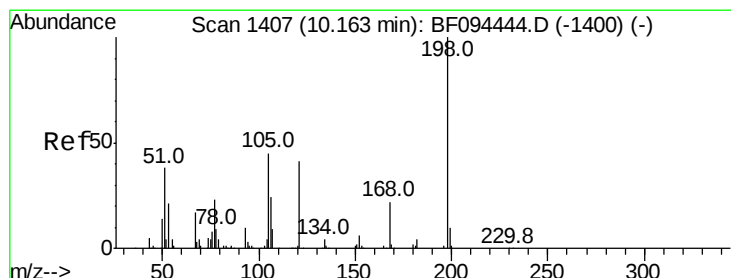
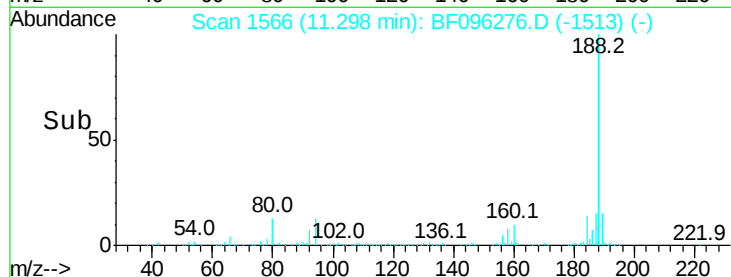
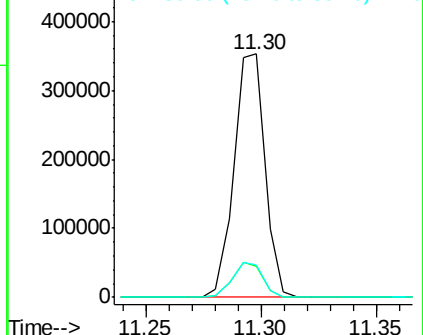
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BF096276.D
Acq: 29 Jun 2017 4:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 330136
Ion Ratio Lower Upper
188 100
94 12.9 9.4 14.2
80 13.1 10.2 15.2

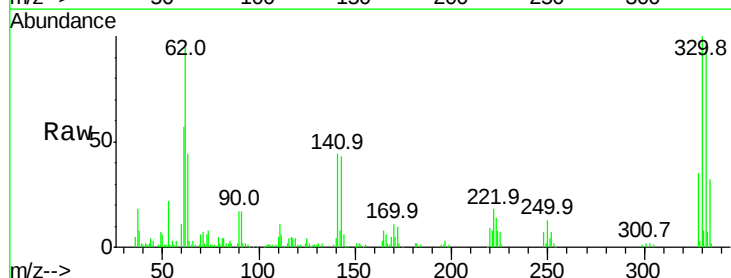


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

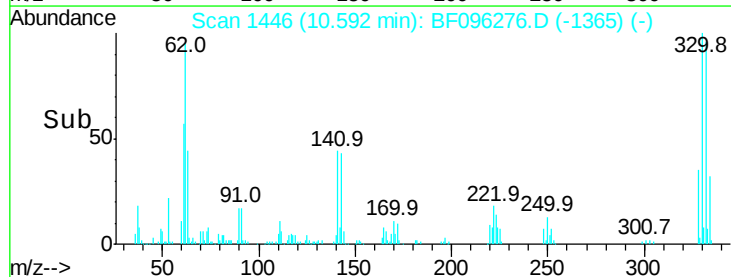
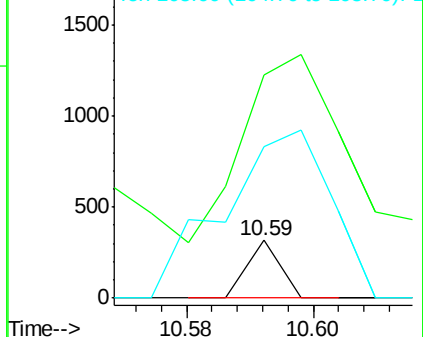


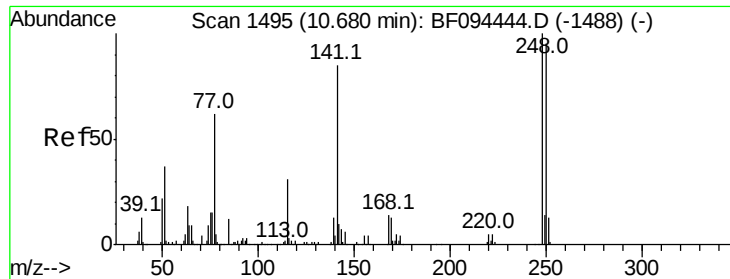
#64
4,6-Dinitro-2-methylphenol
Concen: 8.80 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.18 min
Lab File: BF096276.D
Acq: 29 Jun 2017 4:36

Tgt Ion:198 Resp: 112
Ion Ratio Lower Upper
198 100
51 387.0 53.2 93.2#
105 263.0 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

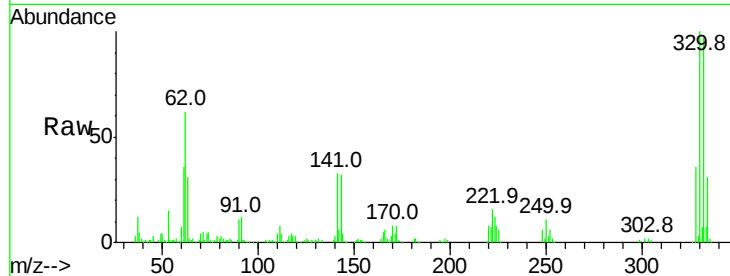




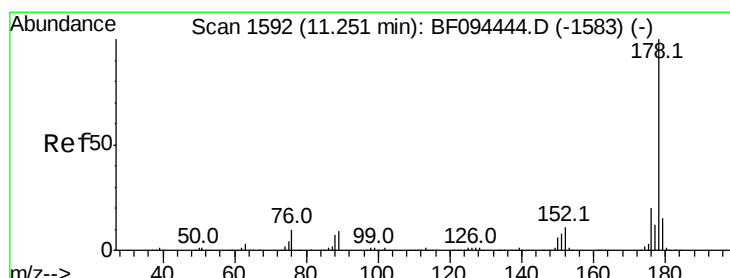
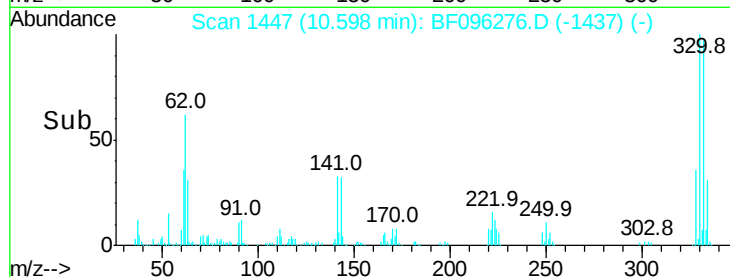
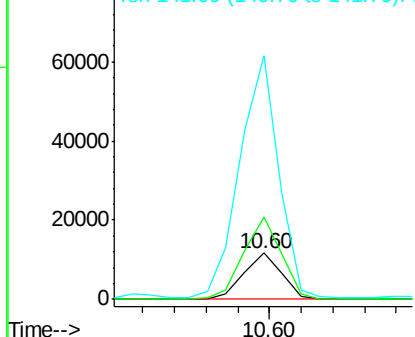
#66
4-Bromophenyl-phenylether
Concen: 2.85 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.24 min
Lab File: BF096276.D
Acq: 29 Jun 2017 4:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9668
Ion Ratio Lower Upper
248 100
250 178.8 76.8 115.2#
141 525.3 68.6 103.0#

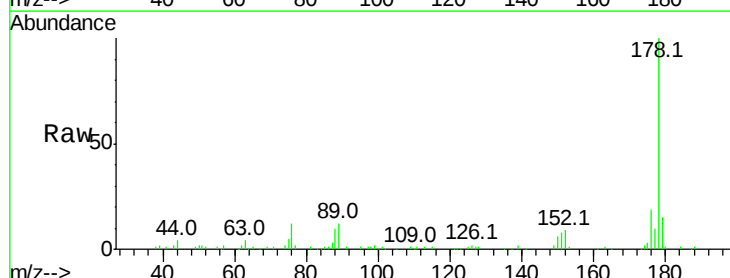


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

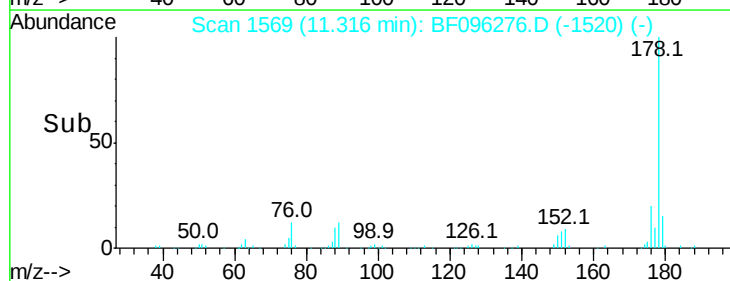
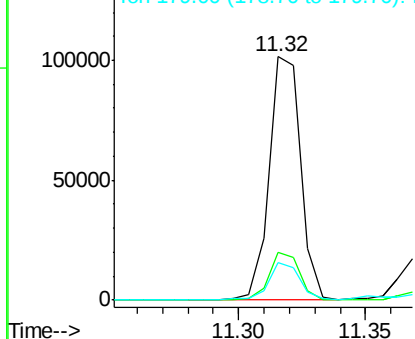


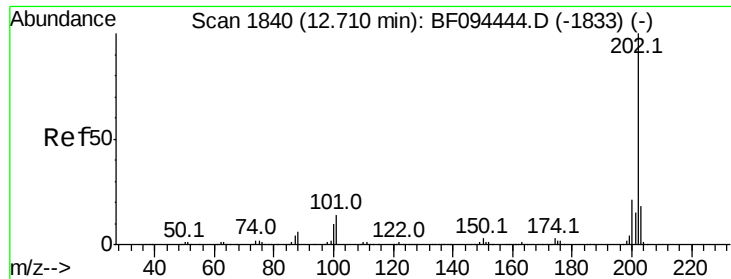
#70
Phenanthrene
Concen: Below Cal
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF096276.D
Acq: 29 Jun 2017 4:36

Tgt Ion:178 Resp: 88862
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 15.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.91 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.01 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

Instrument :

BNA_F

ClientSampleId :

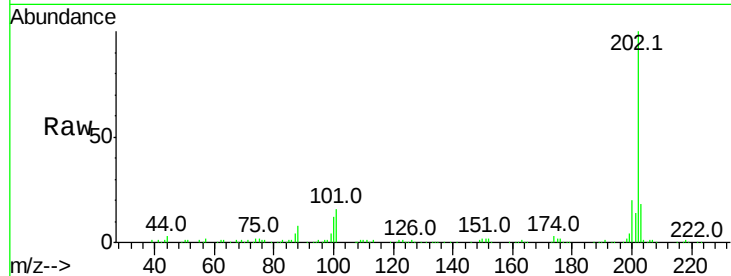
Tot Ion:202 Resp: 126635

Ion Ratio Lower Upper

202 100

101 16.1 0.0 33.2

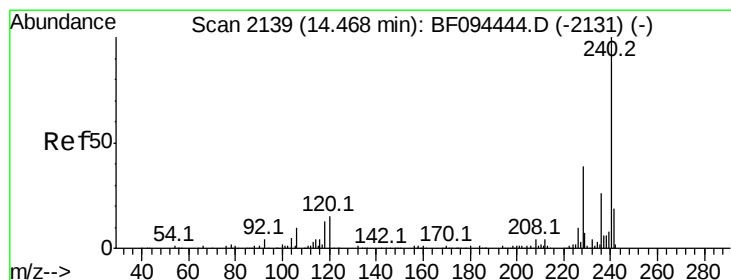
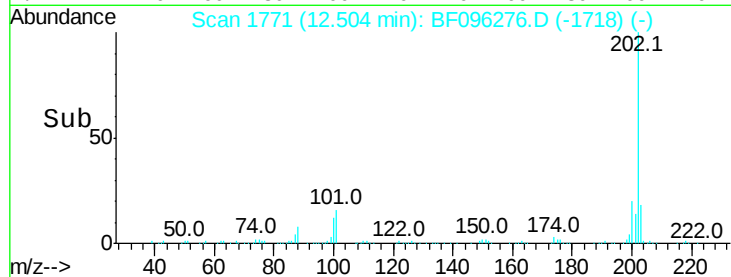
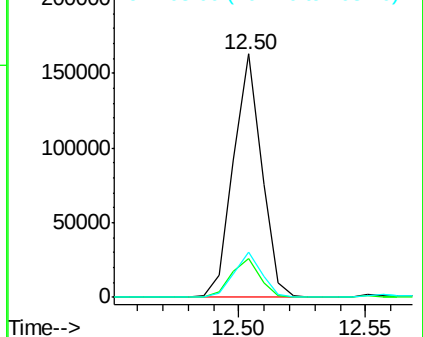
203 18.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

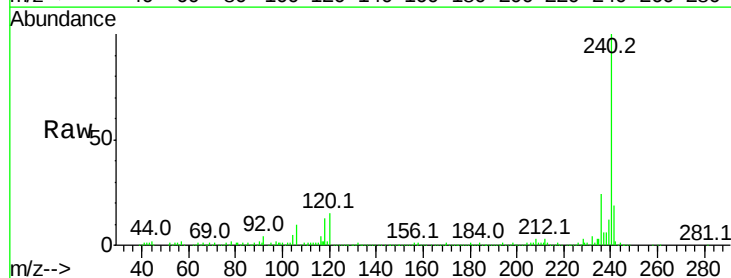
Tgt Ion:240 Resp: 300805

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

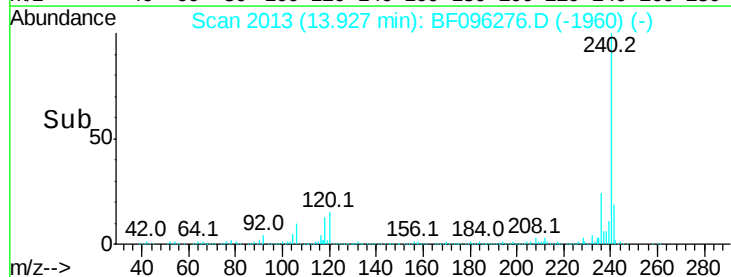
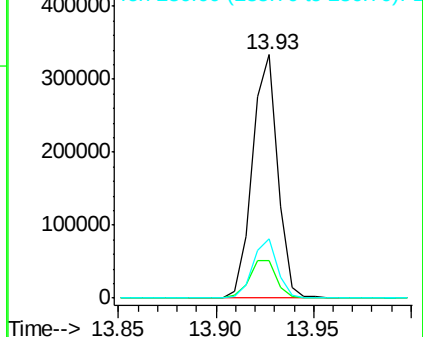
236 24.4 20.5 30.7

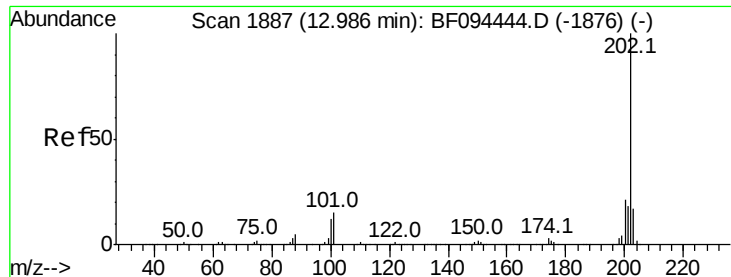


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.91 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

Instrument :

BNA_F

ClientSampleId :

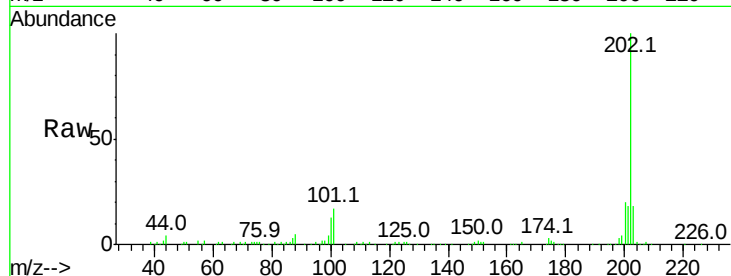
Tot Ion:202 Resp: 121367

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

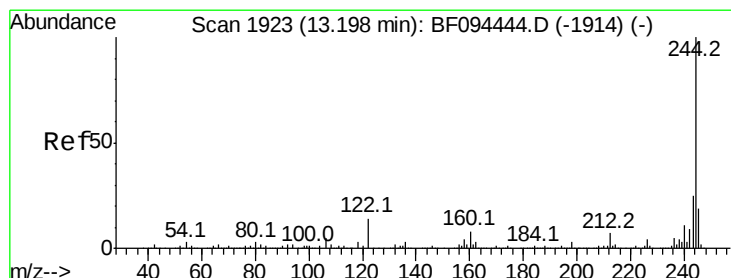
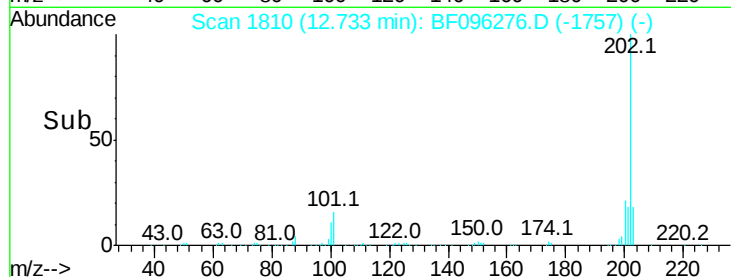
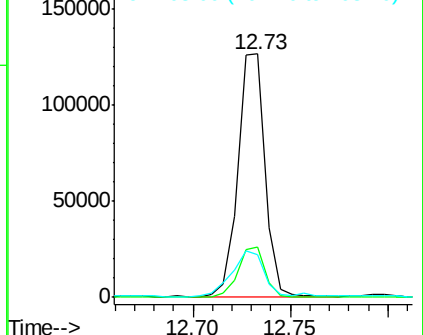
203 17.5 14.4 21.6



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: 48.19 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.01 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

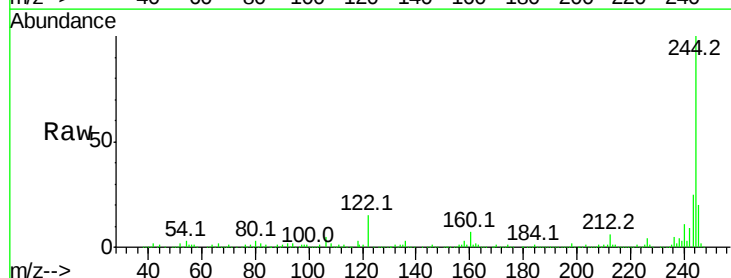
Tgt Ion:244 Resp: 580932

Ion Ratio Lower Upper

244 100

212 6.0 6.0 9.0

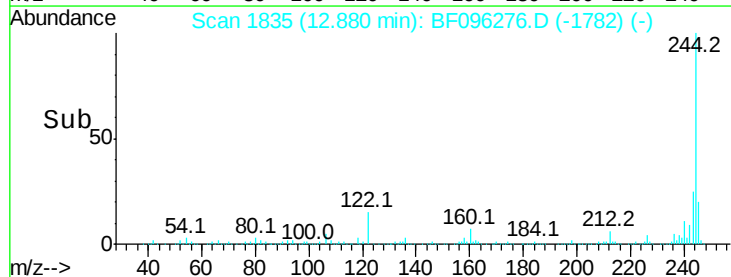
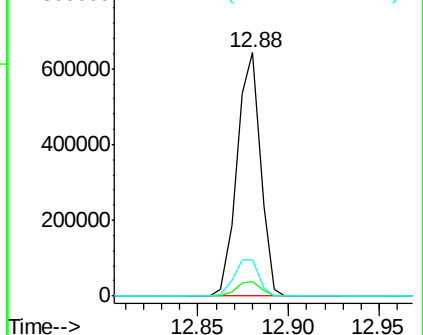
122 14.9 10.3 15.5

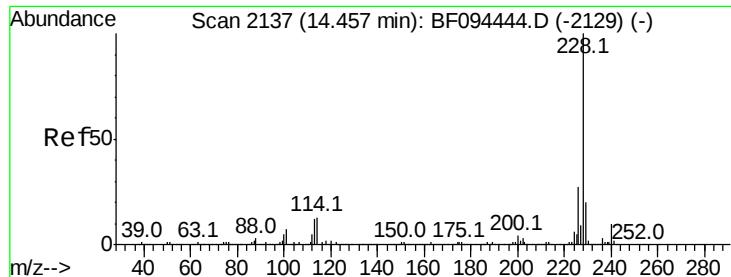


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.19 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

Instrument :

BNA_F

ClientSampleId :

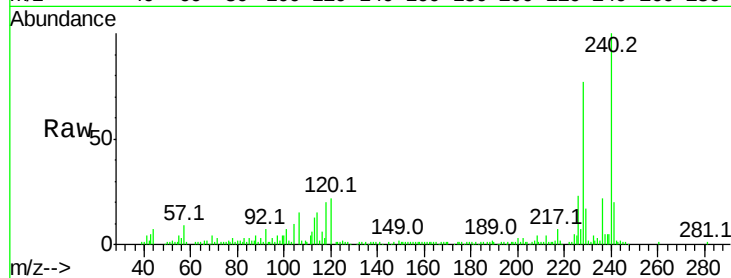
Tot Ion:228 Resp: 58527

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

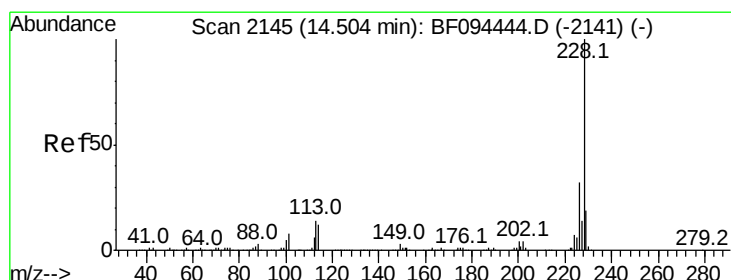
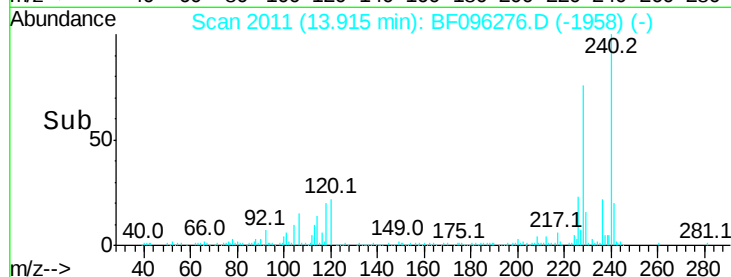
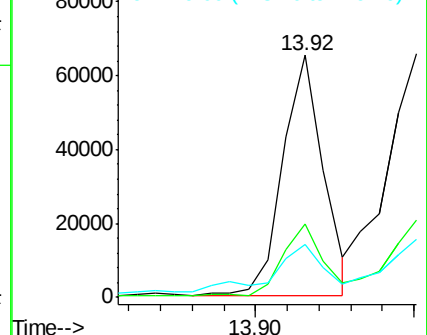
229 21.7 16.3 24.5



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: 3.09 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.02 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

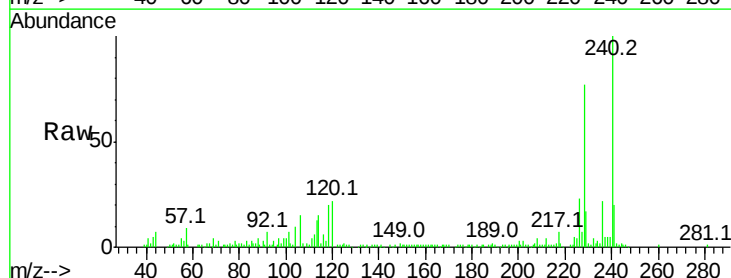
Tgt Ion:228 Resp: 58527

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

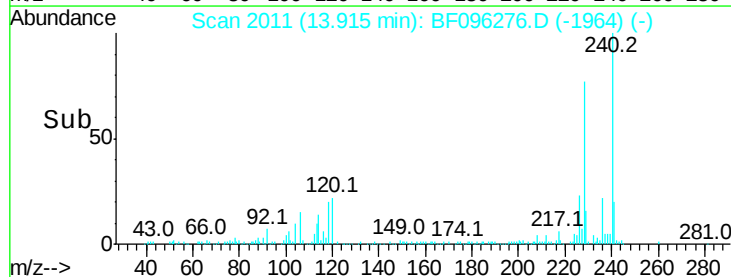
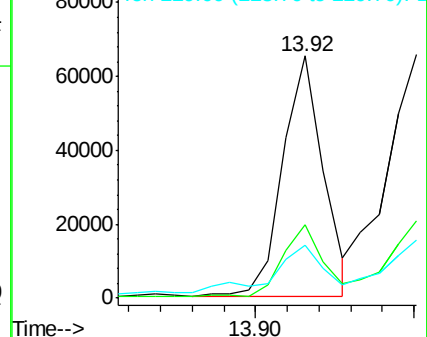
229 21.7 15.8 23.6

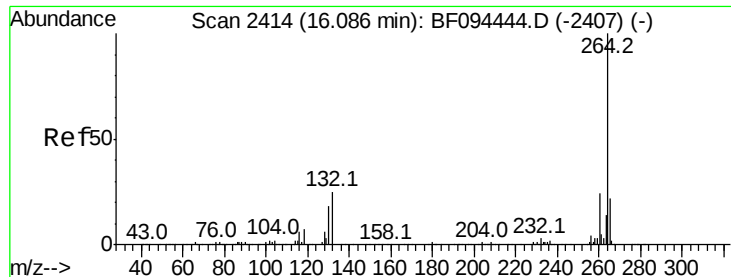


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

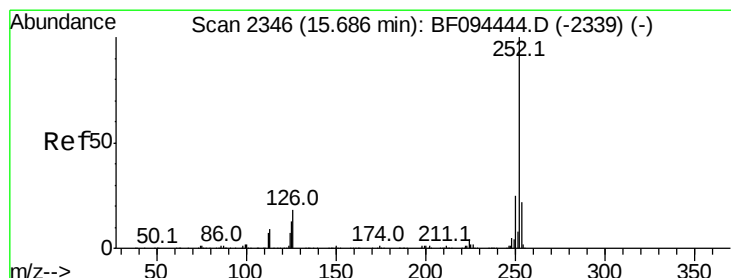
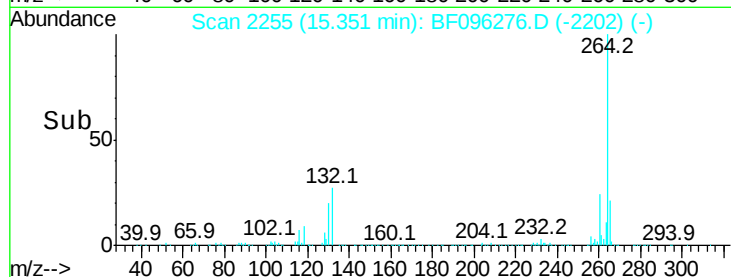
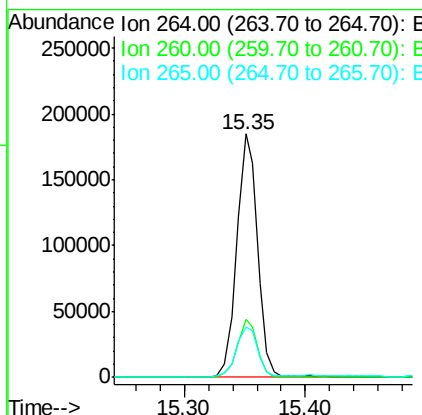
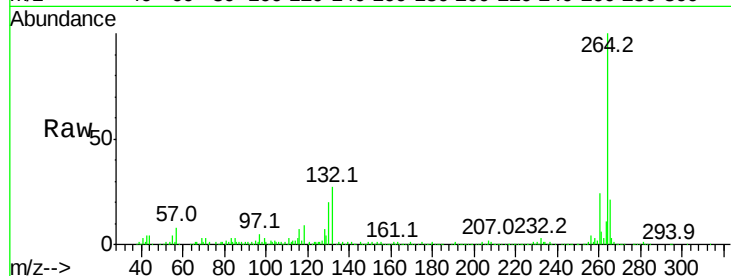




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF096276.D
Acq: 29 Jun 2017 4:36

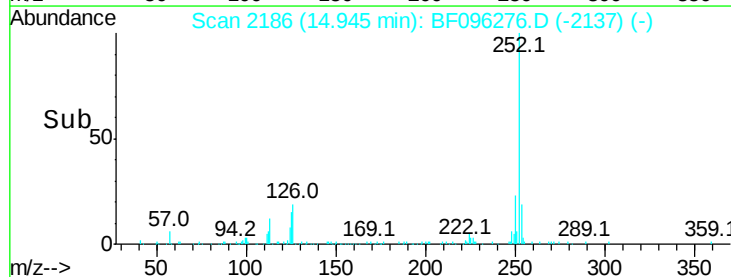
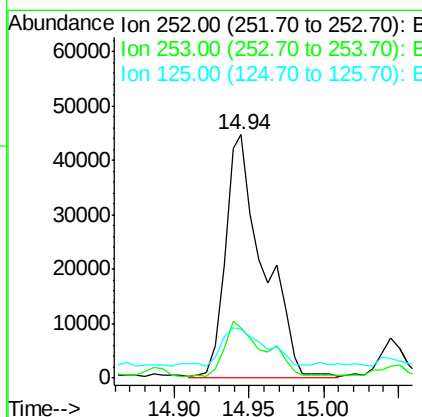
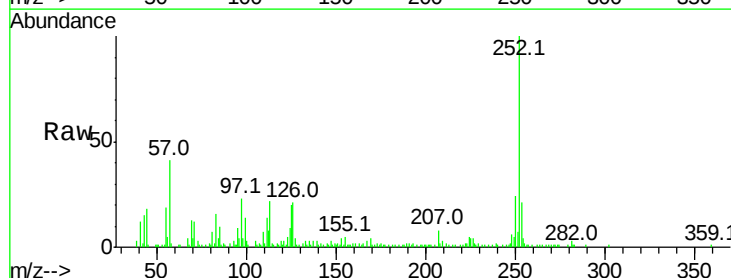
Instrument :
BNA_F
ClientSampleId :

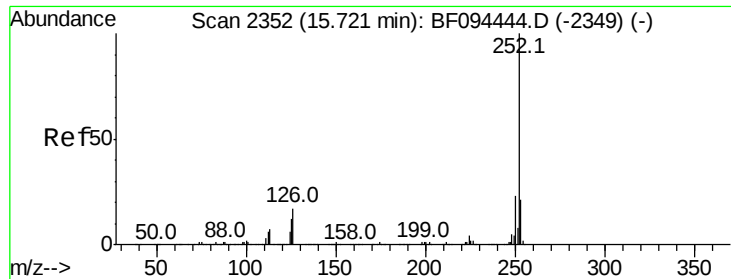
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	20.9	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 5.45 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF096276.D
Acq: 29 Jun 2017 4:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.1	27.1
125	20.1	9.8	14.8#

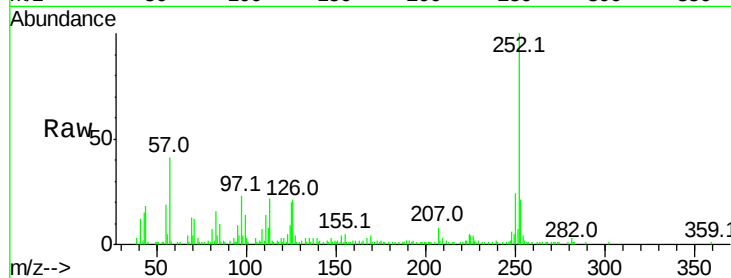




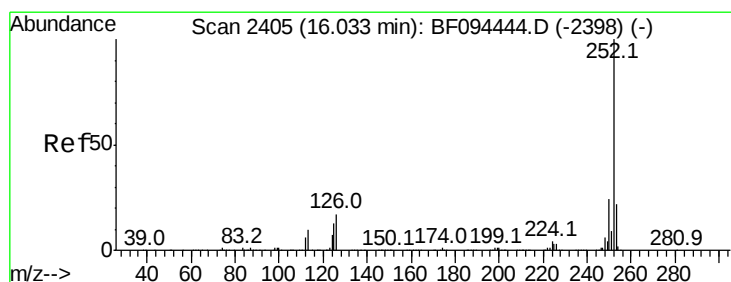
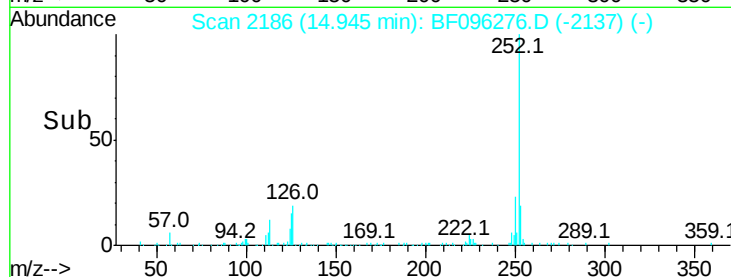
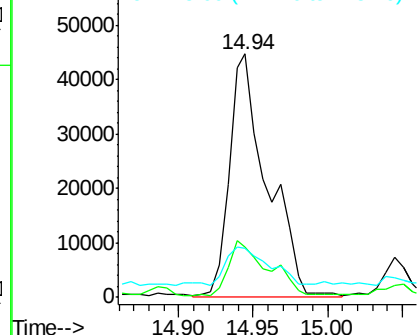
#88
Benzo(k)fluoranthene
Concen: 5.97 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF096276.D
Acq: 29 Jun 2017 4:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.4	27.6
125	20.1	13.1	19.7

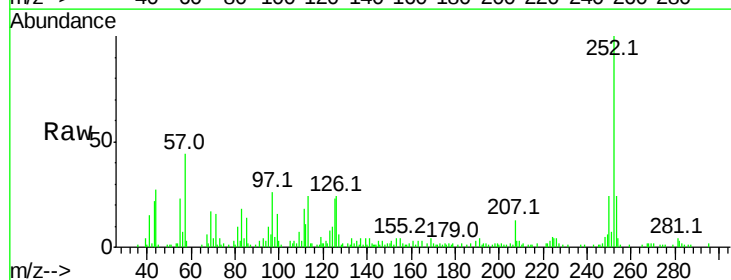


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

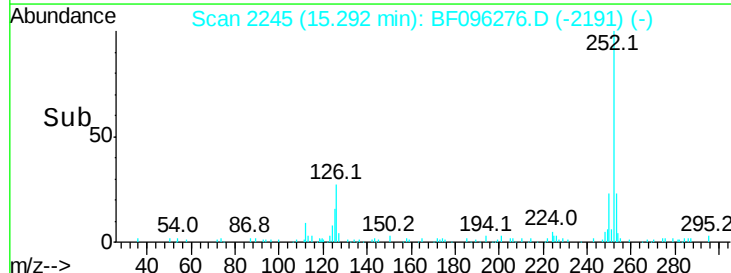
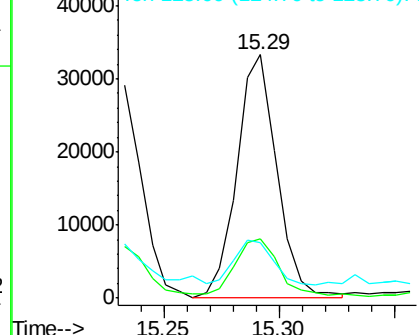


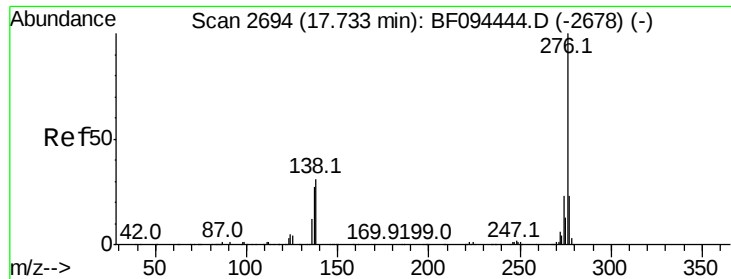
#89
Benzo(a)pyrene
Concen: 3.14 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF096276.D
Acq: 29 Jun 2017 4:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	22.8	11.0	16.4



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: 2.47 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.03 min

Lab File: BF096276.D

Acq: 29 Jun 2017 4:36

Instrument :

BNA_F

ClientSampleId :

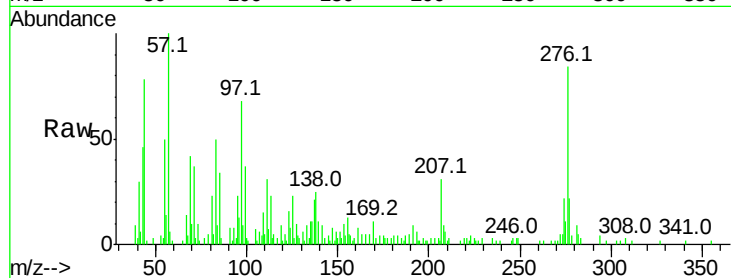
Tot Ion: 276 Resp: 25903

Ion Ratio Lower Upper

276 100

277 26.1 18.6 28.0

138 29.5 25.4 38.0



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

