

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062717\
 Data File : BF096225.D
 Acq On : 27 Jun 2017 19:26
 Operator : SJ/MA
 Sample : I3868-13 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 27 19:50:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 27 15:17:15 2017
 Response via : Initial Calibration

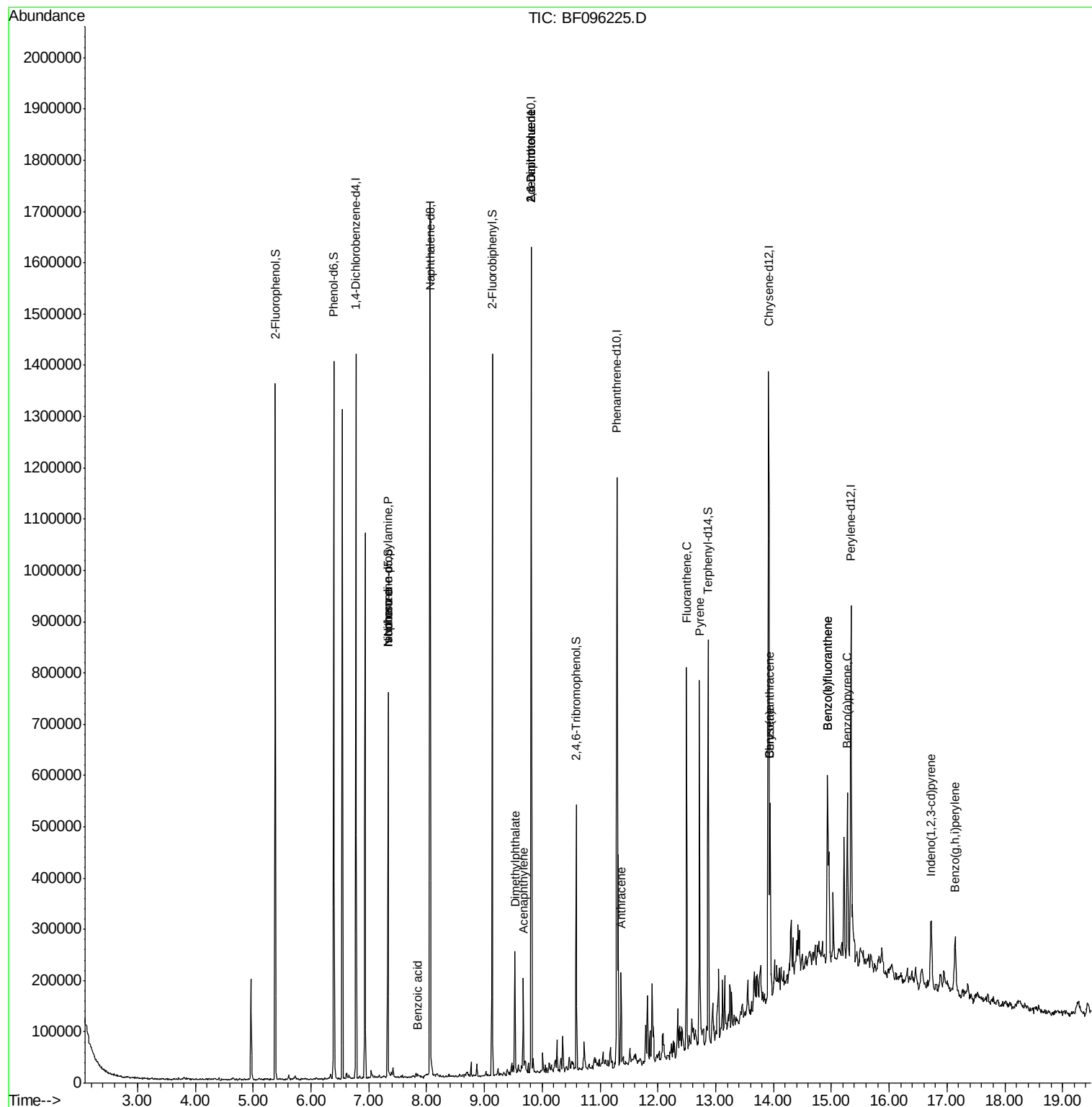
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	187807	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	769955	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	284558	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	378399	20.00	ng	0.00
75) Chrysene-d12	13.92	240	332713	20.00	ng	0.00
86) Perylene-d12	15.34	264	297104	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	334684	25.67	ng	0.00
7) Phenol-d6	6.40	99	405366	25.68	ng	0.00
23) Nitrobenzene-d5	7.33	82	208307	18.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	46397	20.72	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	369394	23.77	ng	-0.02
78) Terphenyl-d14	12.87	244	197638	14.82	ng	0.00
Target Compounds						
9) Benzaldehyde	6.39	77	688	Below Cal	#	38
19) n-Nitroso-di-n-propylamine	7.33	70	26763	2.83	ng	# 88
25) Isophorone	7.33	82	208302	8.25	ng	# 67
32) Benzoic acid	7.85	122	267	8.81	ng	# 1
48) Acenaphthylene	9.67	152	67343	2.24	ng	94
49) Dimethylphthalate	9.53	163	80252	3.94	ng	100
50) 2,6-Dinitrotoluene	9.81	165	38026	8.98	ng	# 34
56) 2,4-Dinitrotoluene	9.81	165	38026	7.12	ng	# 34
70) Phenanthrene	11.31	178	133884	Below Cal		96
71) Anthracene	11.36	178	60020	2.84	ng	96
74) Fluoranthene	12.50	202	258660	12.31	ng	97
77) Pyrene	12.72	202	267664	9.79	ng	97
80) Benzo(a)anthracene	13.94	228	146886	7.24	ng	98
82) Chrysene	13.94	228	146886	7.00	ng	94
85) Indeno(1,2,3-cd)pyrene	16.73	276	81859	4.70	ng	99
87) Benzo(b)fluoranthene	14.93	252	262744	13.46	ng	# 94
88) Benzo(k)fluoranthene	14.93	252	262744	14.75	ng	98
89) Benzo(a)pyrene	15.28	252	141027	8.18	ng	96
91) Benzo(a,h,i)perylene	17.14	276	77637	5.53	ng	97

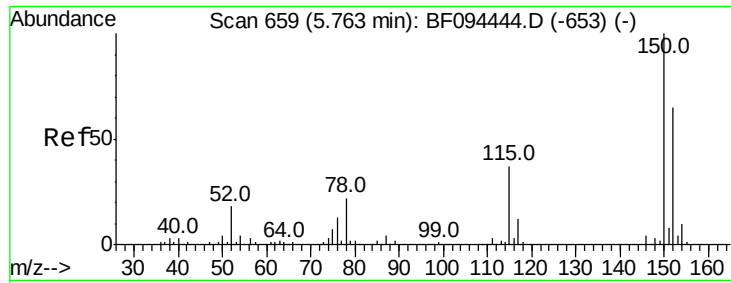
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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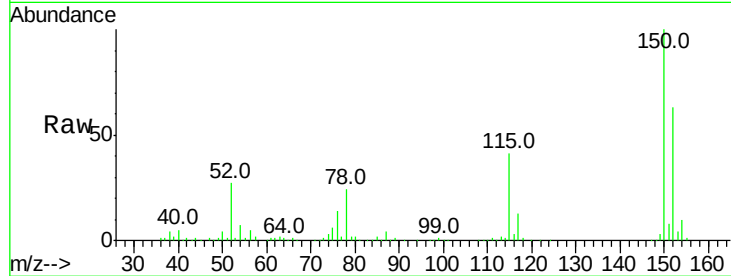


#1

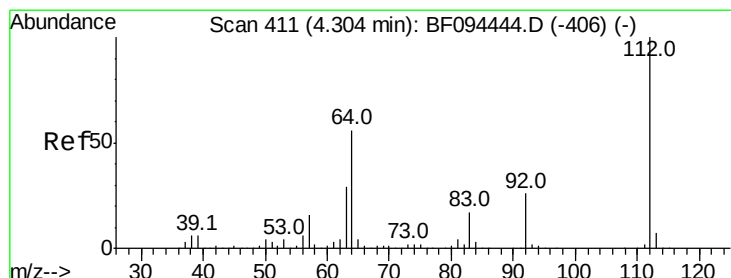
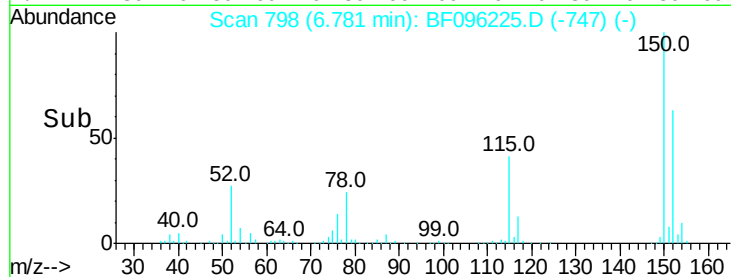
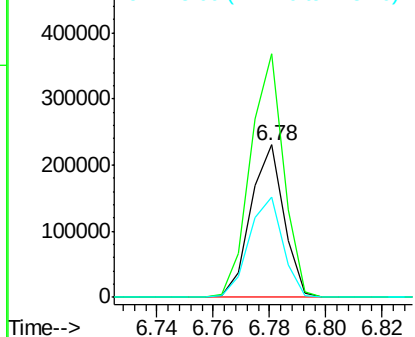
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 187807
Ion Ratio Lower Upper
152 100
150 159.6 126.2 189.2
115 66.0 52.2 78.2



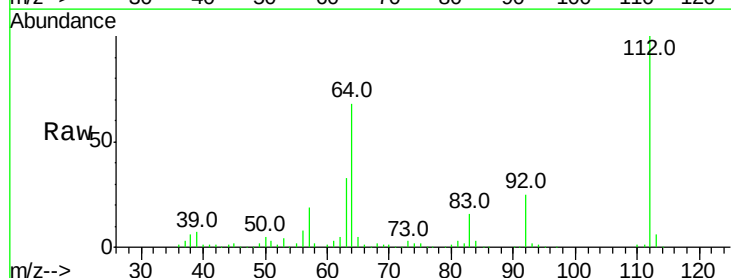
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



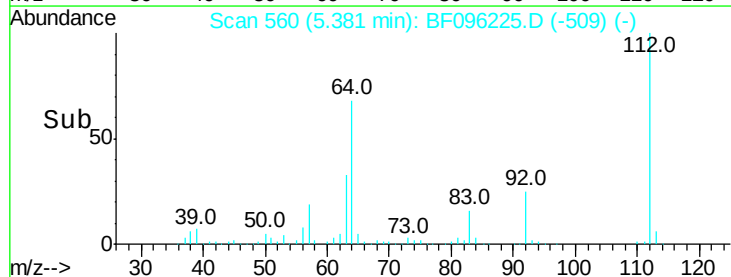
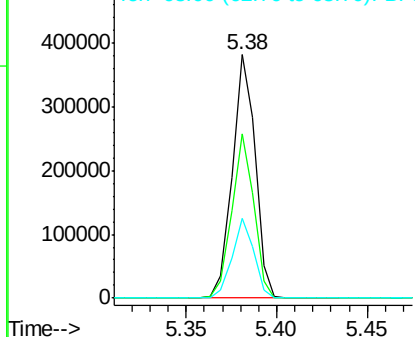
#5

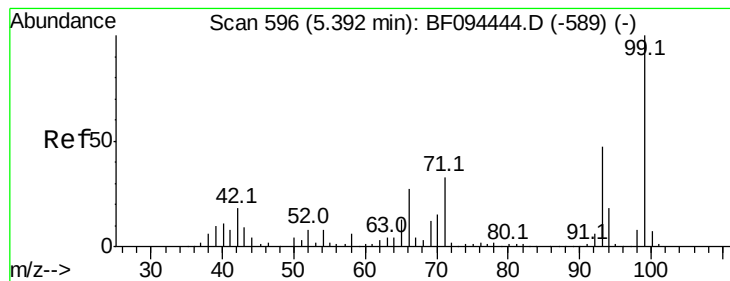
2-Fluorophenol
Concen: 25.67 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

Tgt Ion:112 Resp: 334684
Ion Ratio Lower Upper
112 100
64 67.5 46.0 69.0
63 32.5 23.4 35.0



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: 25.68 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Instrument :

BNA_F

ClientSampleId :

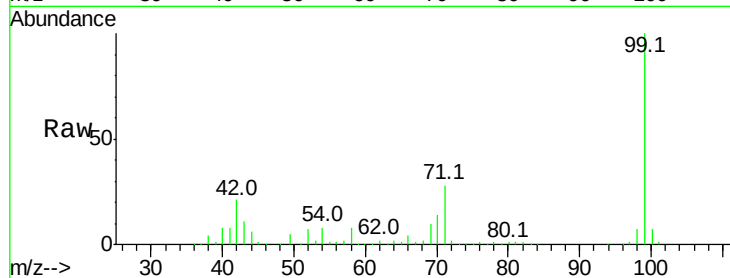
Tot Ion: 99 Resp: 405366

Ion Ratio Lower Upper

99 100

42 20.6 13.5 20.3#

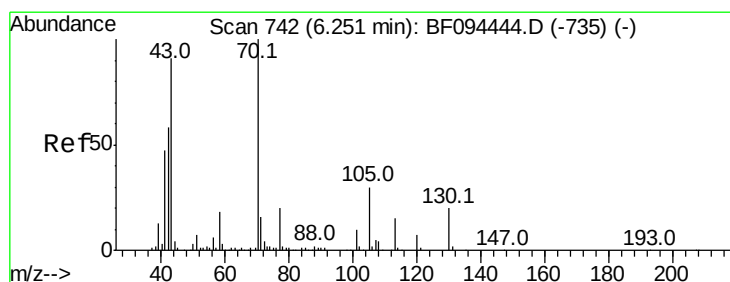
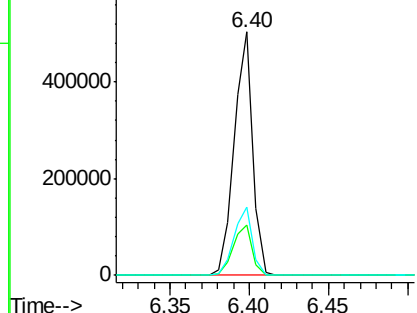
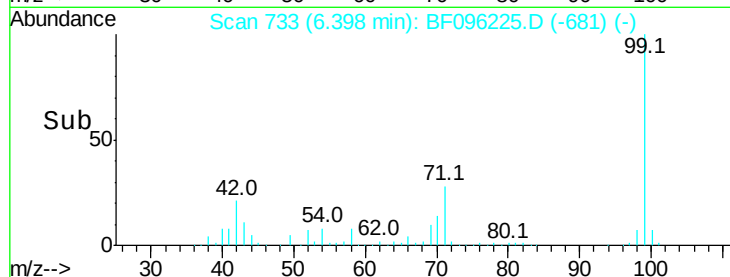
71 27.8 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.83 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.15 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Tgt Ion: 70 Resp: 26763

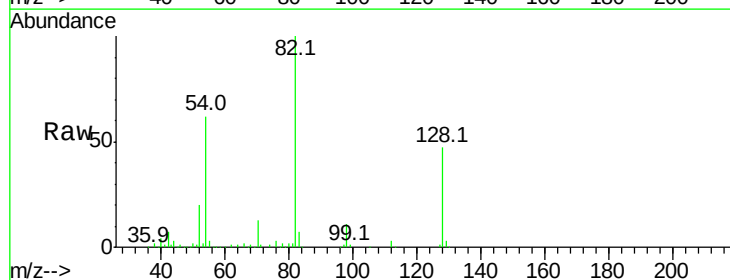
Ion Ratio Lower Upper

70 100

42 58.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

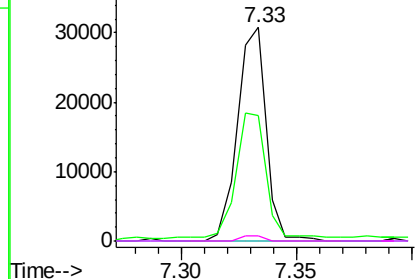
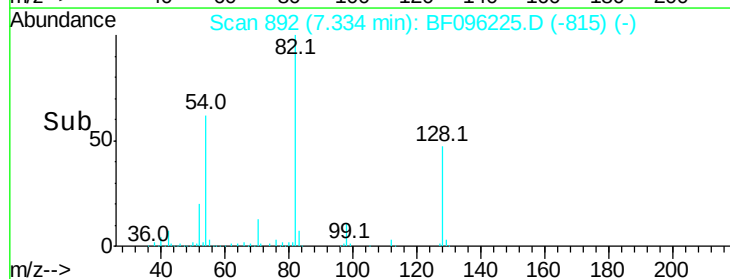


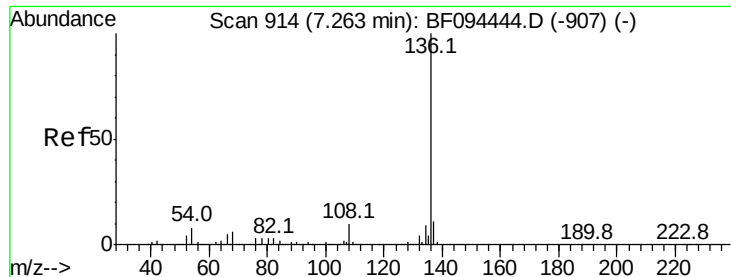
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

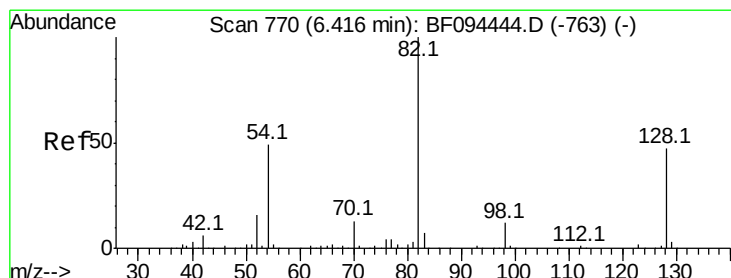
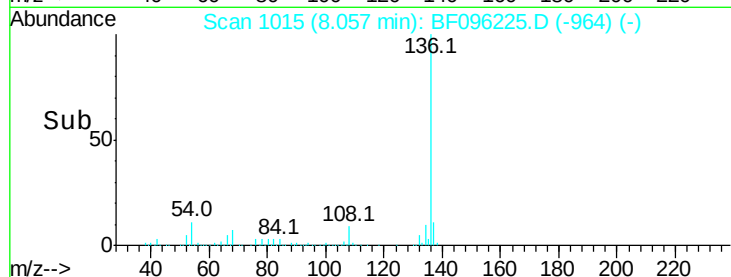
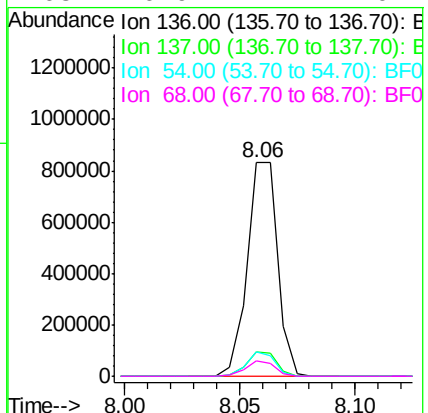
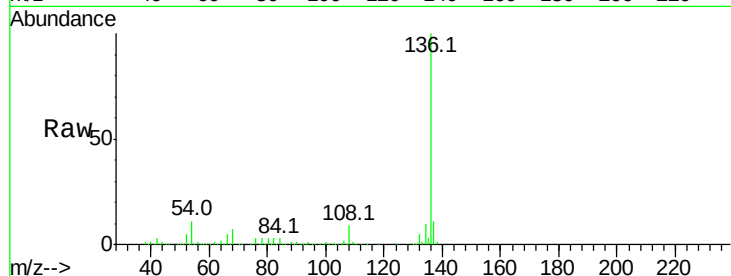




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

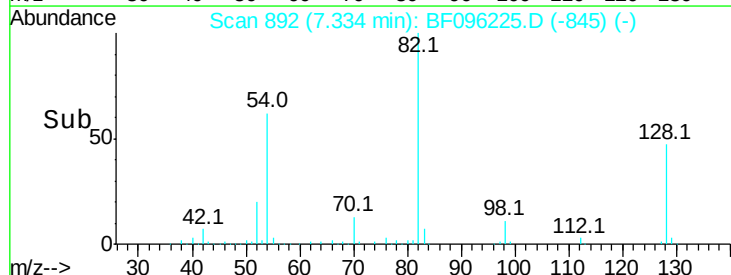
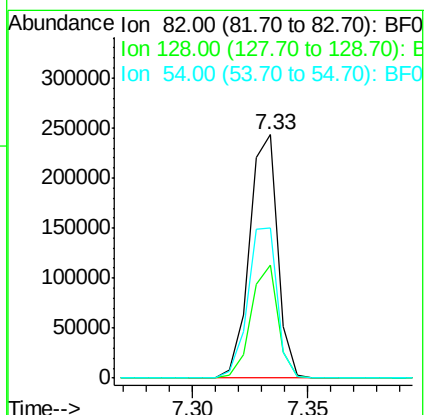
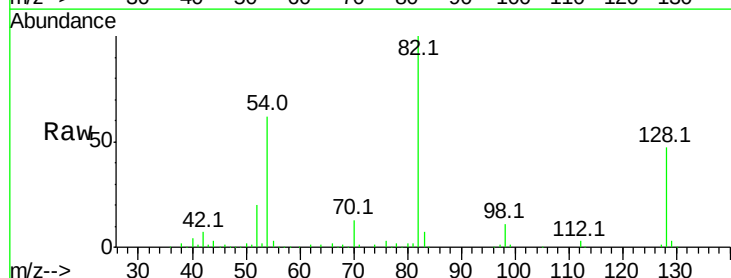
Instrument :
BNA_F
ClientSampleId :

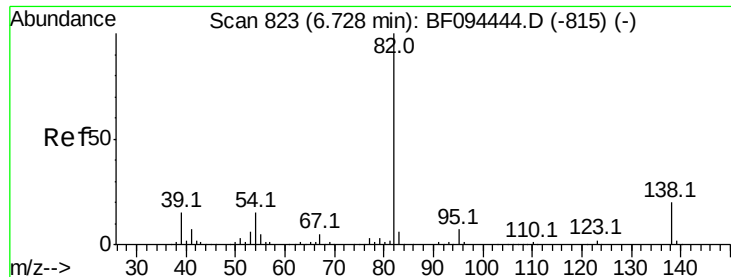
Tot Ion:136	Resp:	769955
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.5	12.7
54 11.4	4.9	7.3#
68 6.9	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 18.73 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

Tgt Ion: 82	Resp:	208307
Ion Ratio	Lower	Upper
82 100		
128 46.7	34.0	51.0
54 61.7	42.2	63.2





#25

Isophorone

Concen: 8.25 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Instrument :
BNA_F
ClientSampleId :

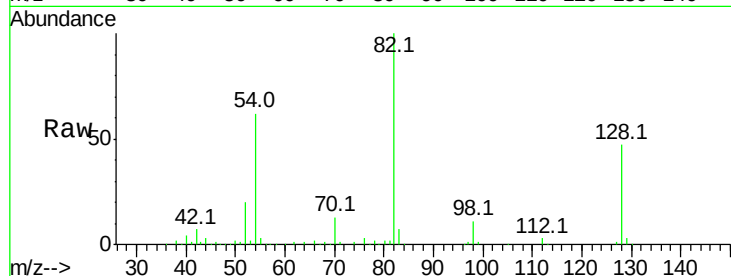
Tot Ion: 82 Resp: 208302

Ion Ratio Lower Upper

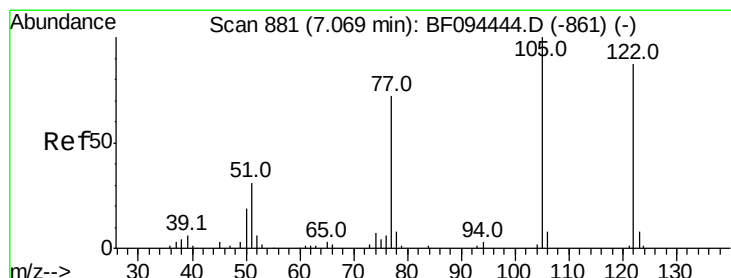
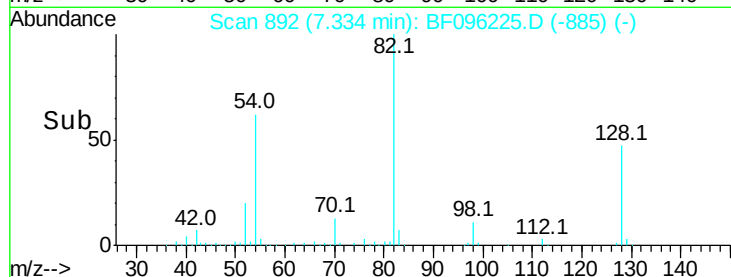
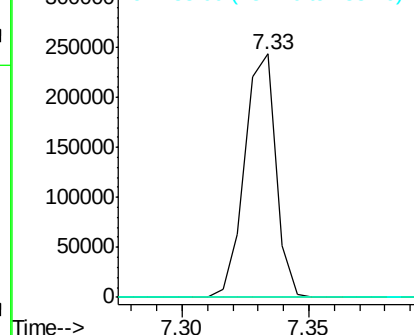
82 100

95 0.0 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: 8.81 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.04 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

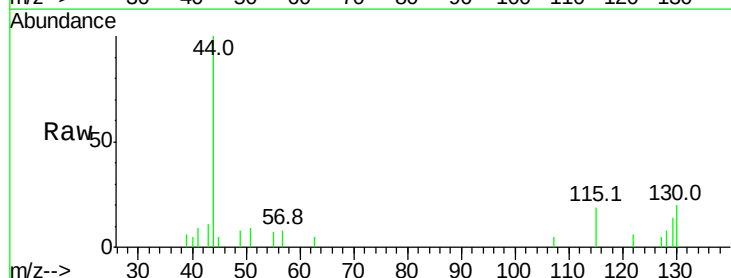
Tgt Ion: 122 Resp: 267

Ion Ratio Lower Upper

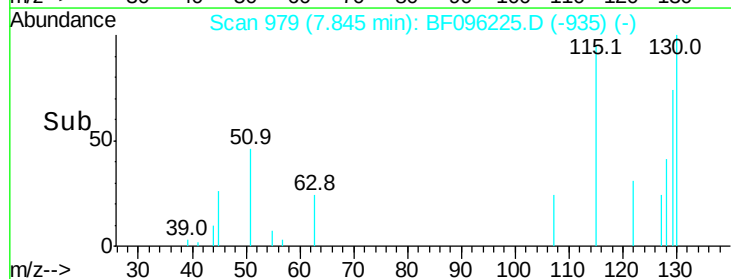
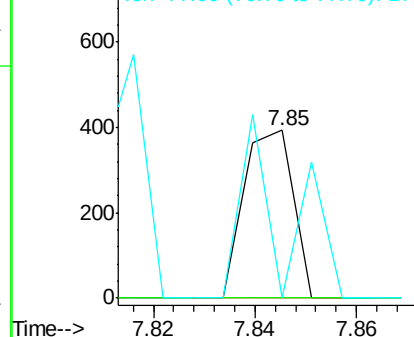
122 100

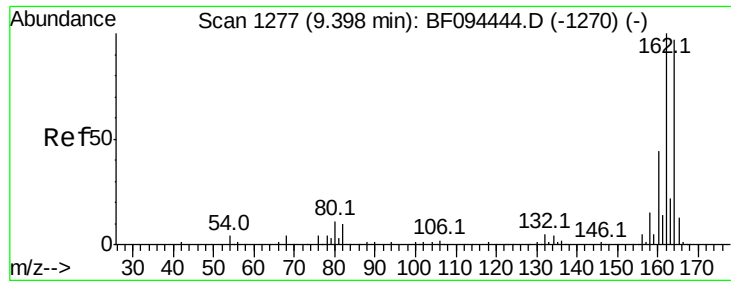
105 0.0 103.3 143.3#

77 0.0 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

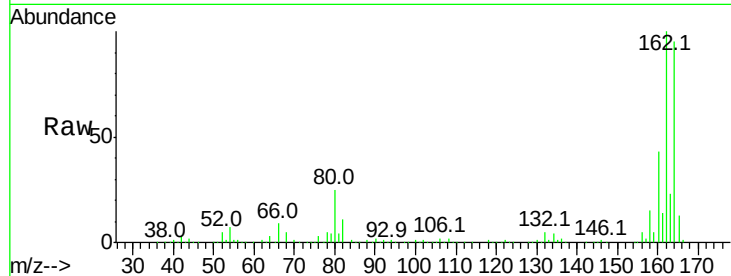




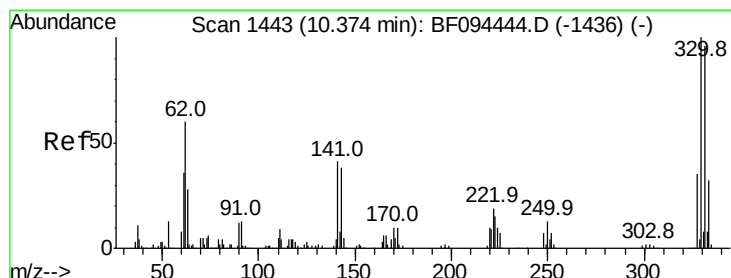
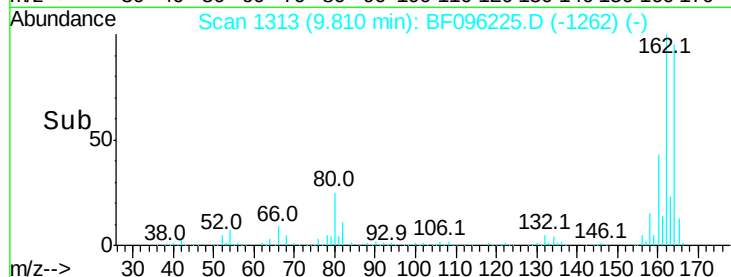
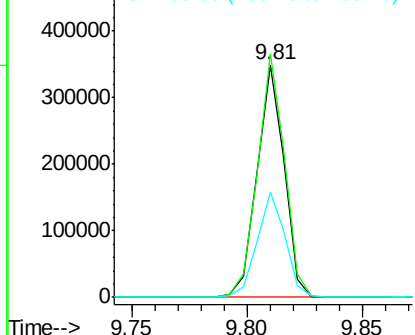
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.00 min
 Lab File: BF096225.D
 Acq: 27 Jun 2017 19:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 284558
 Ion Ratio Lower Upper
 164 100
 162 104.7 82.6 123.8
 160 45.4 36.2 54.2

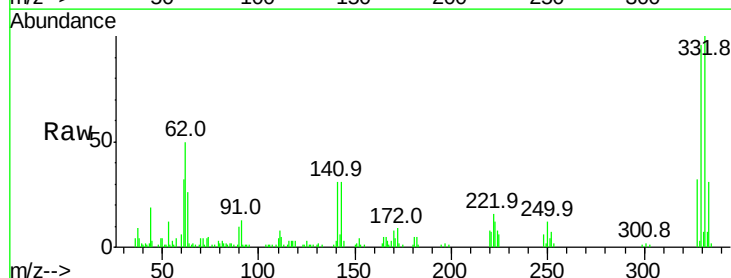


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

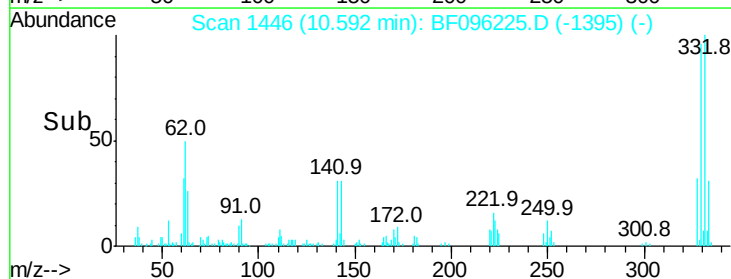
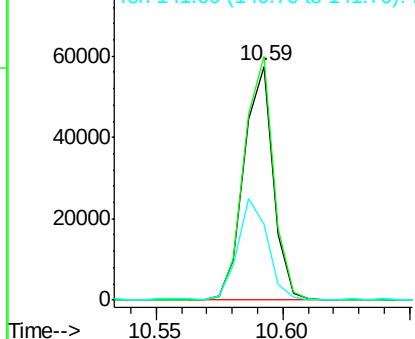


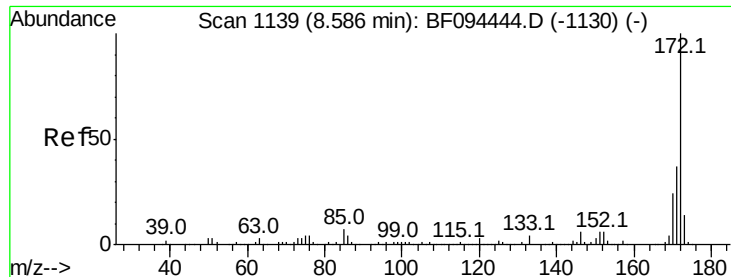
#41
 2,4,6-Tribromophenol
 Concen: 20.72 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096225.D
 Acq: 27 Jun 2017 19:26

Tgt Ion:330 Resp: 46397
 Ion Ratio Lower Upper
 330 100
 332 104.1 76.6 115.0
 141 44.8 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

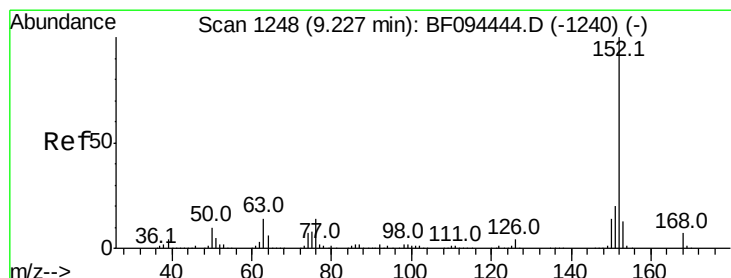
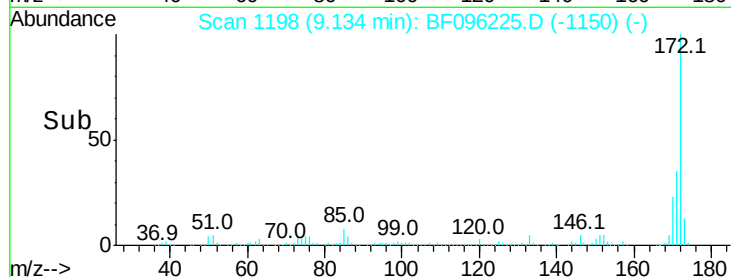
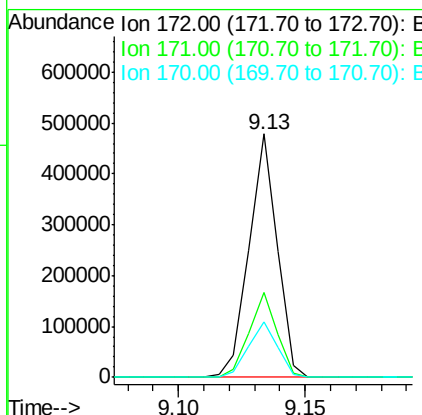
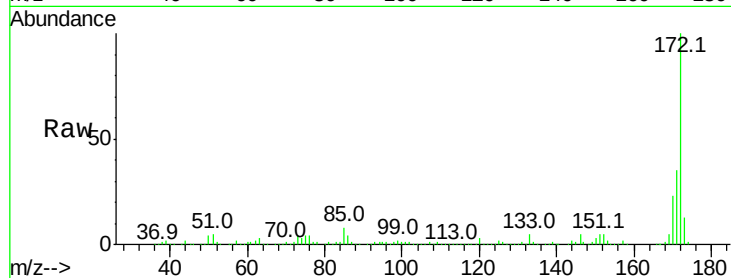




#44
2-Fluorobiphenyl
Concen: 23.77 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.02 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

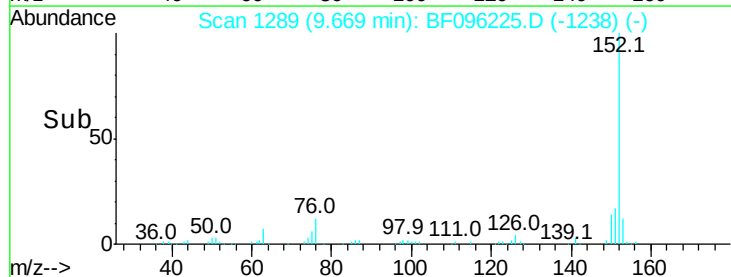
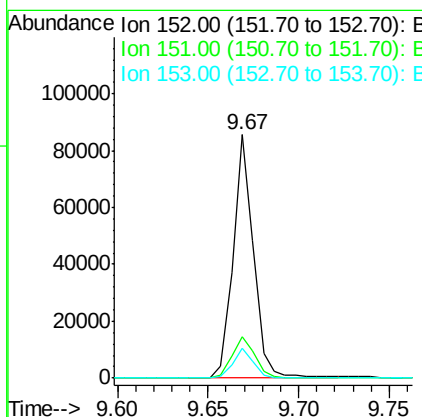
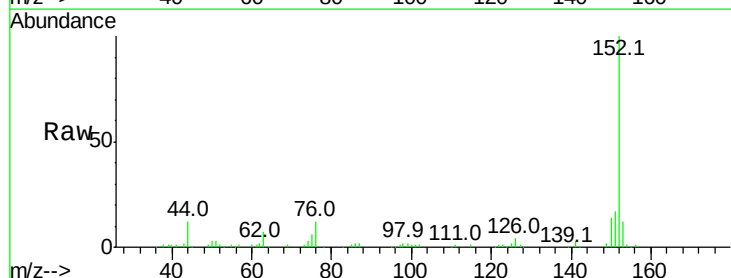
Instrument :
BNA_F
ClientSampleId :

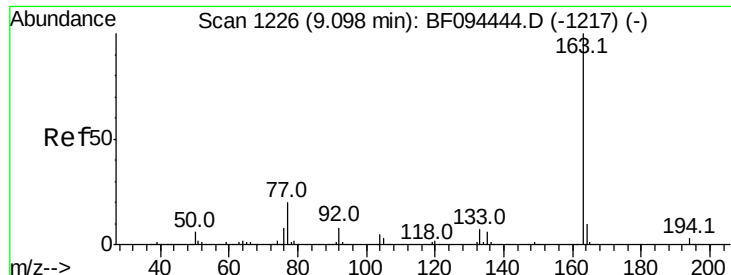
Tot Ion:172 Resp: 369394
Ion Ratio Lower Upper
172 100
171 35.1 29.6 44.4
170 22.9 19.8 29.8



#48
Acenaphthylene
Concen: 2.24 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

Tgt Ion:152 Resp: 67343
Ion Ratio Lower Upper
152 100
151 16.9 16.8 25.2
153 12.4 10.8 16.2

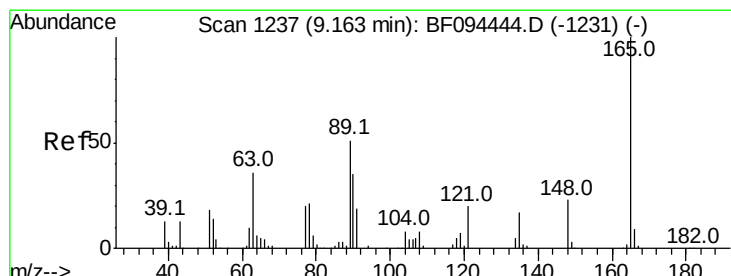
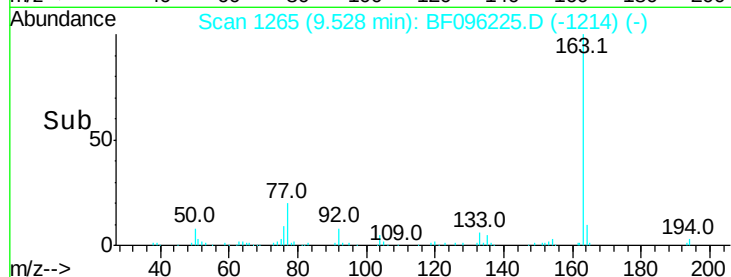
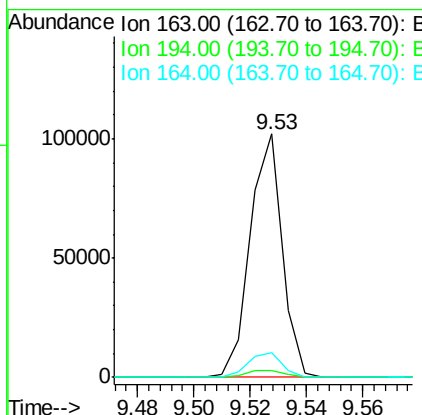
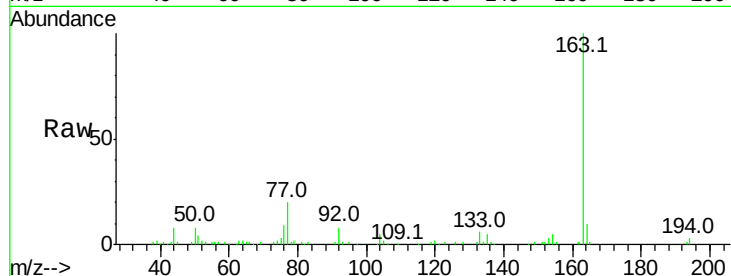




#49
Dimethylphthalate
Concen: 3.94 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

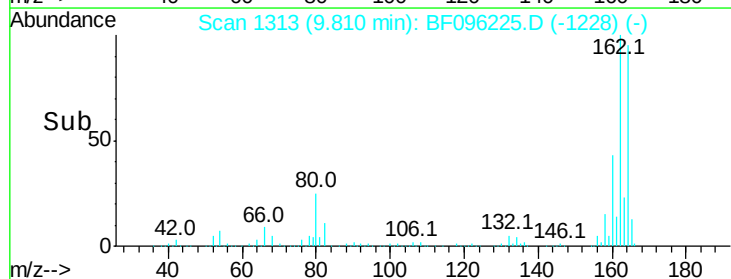
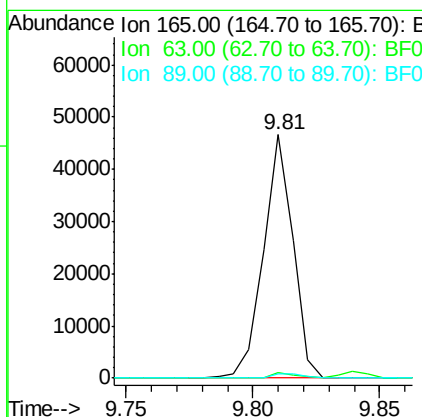
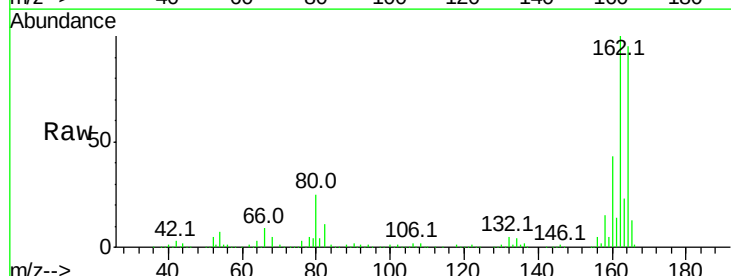
Instrument :
BNA_F
ClientSampleId :

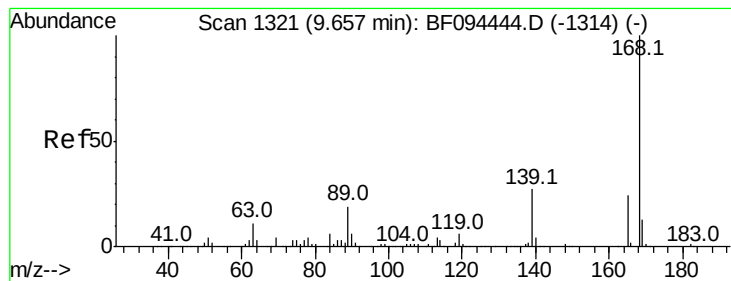
Tot Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.4	8.4	12.6



#50
2,6-Dinitrotoluene
Concen: 8.98 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.20 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	34.3	51.5#
89	1.6	37.1	55.7#





#56

2,4-Dinitrotoluene

Concen: 7.12 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.20 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 38026

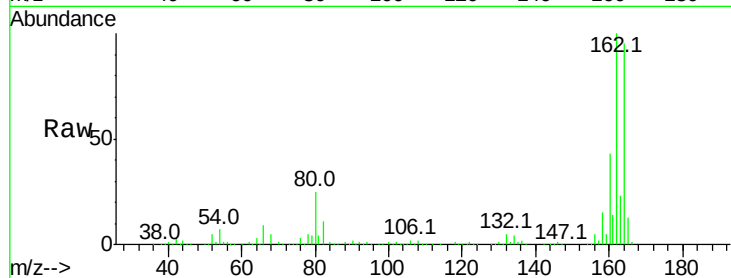
Ion Ratio Lower Upper

165 100

63 2.1 25.4 38.0#

89 1.6 46.4 69.6#

182 0.0 1.8 2.6#

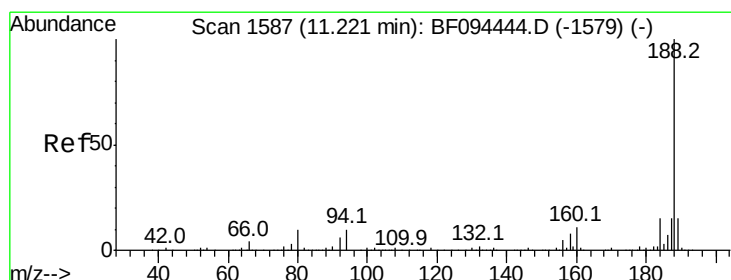
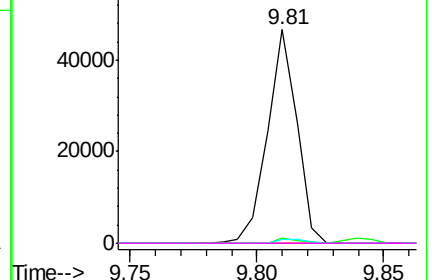
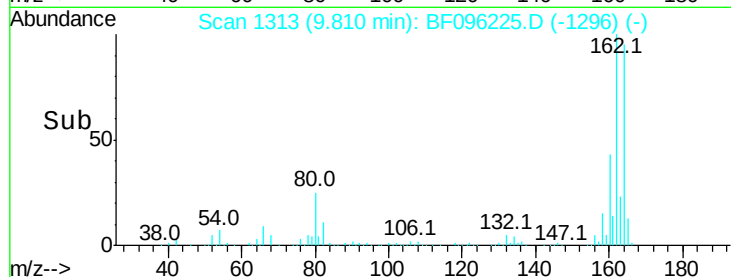


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

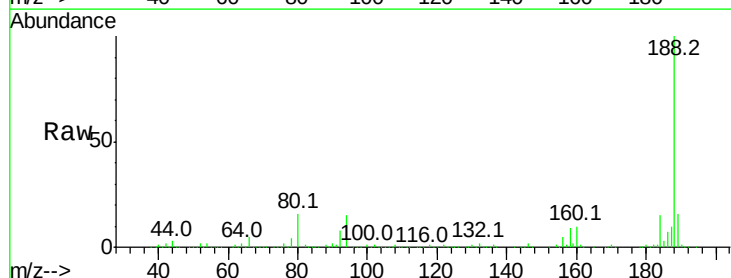
Tgt Ion:188 Resp: 378399

Ion Ratio Lower Upper

188 100

94 14.9 9.4 14.2#

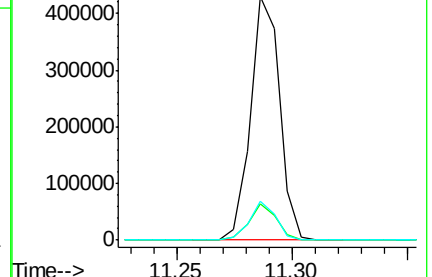
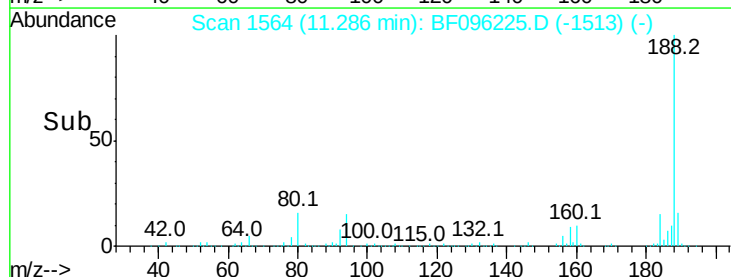
80 15.7 10.2 15.2#

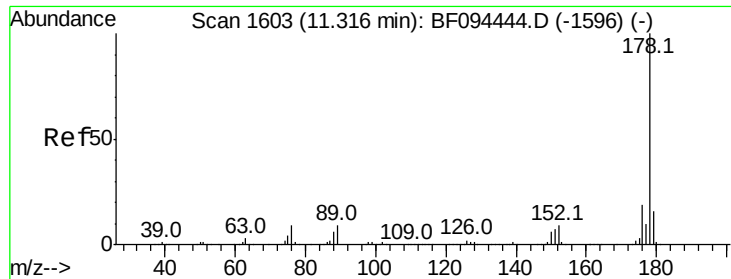


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

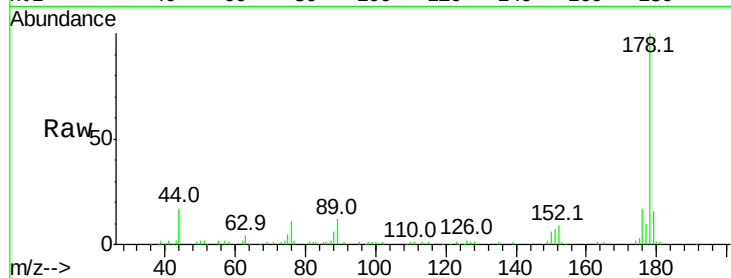




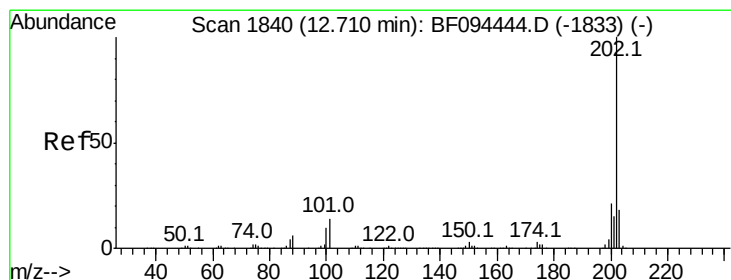
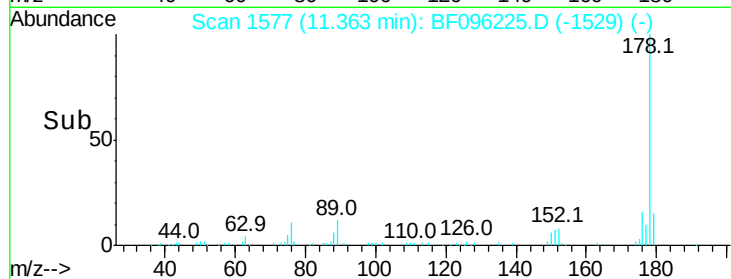
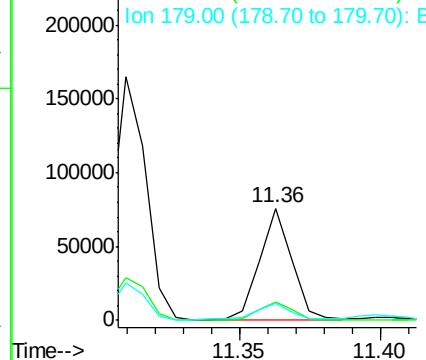
#71
 Anthracene
 Concen: 2.84 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF096225.D
 Acq: 27 Jun 2017 19:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 60020
 Ion Ratio Lower Upper
 178 100
 176 16.8 15.8 23.8
 179 15.7 12.7 19.1

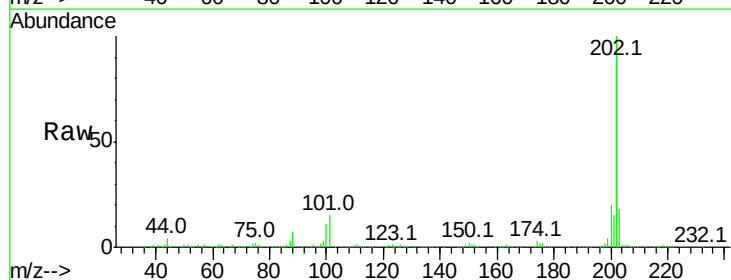


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

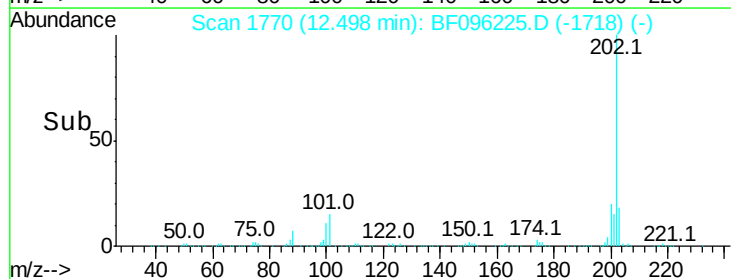
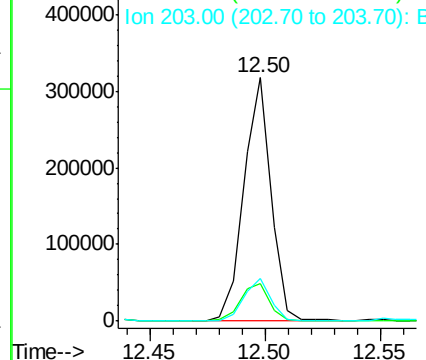


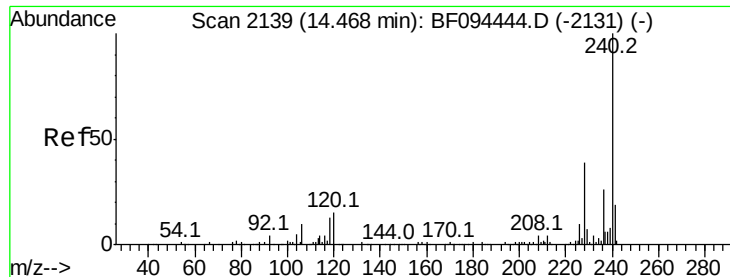
#74
 Fluoranthene
 Concen: 12.31 ng
 RT: 12.50 min Scan# 1770
 Delta R.T. 0.01 min
 Lab File: BF096225.D
 Acq: 27 Jun 2017 19:26

Tgt Ion:202 Resp: 258660
 Ion Ratio Lower Upper
 202 100
 101 15.4 0.0 33.2
 203 17.7 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: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Instrument :

BNA_F

ClientSampleId :

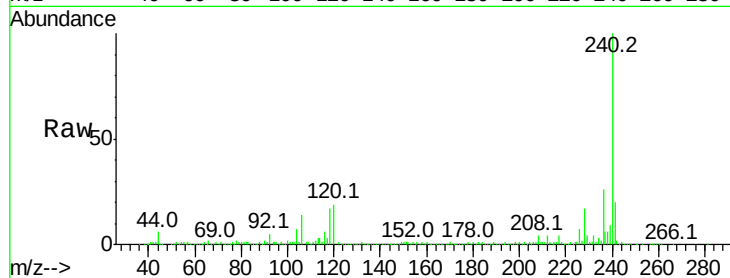
Tot Ion:240 Resp: 332713

Ion Ratio Lower Upper

240 100

120 19.3 5.8 8.8#

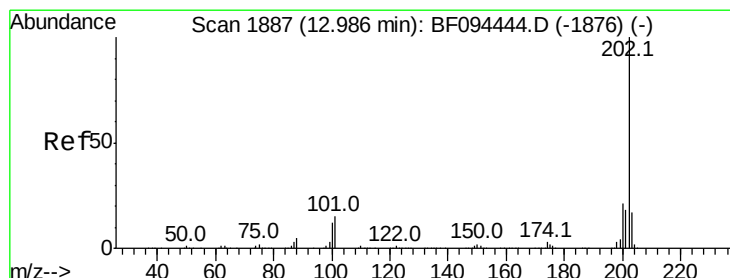
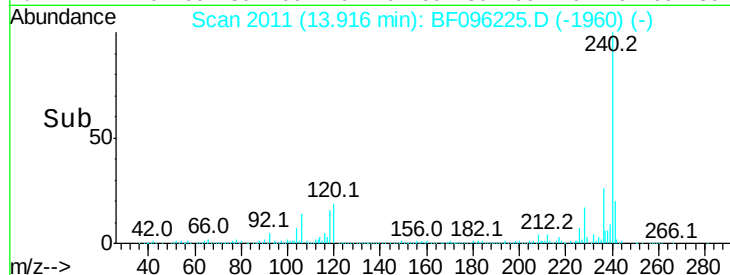
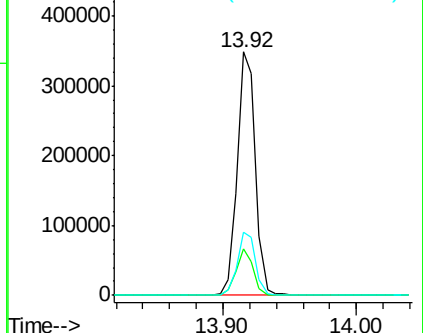
236 26.0 20.5 30.7



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

Pyrene

Concen: 9.79 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

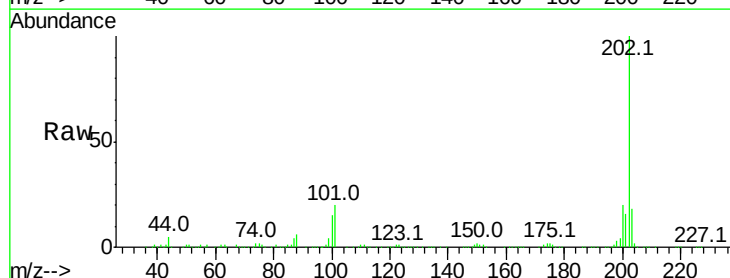
Tgt Ion:202 Resp: 267664

Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

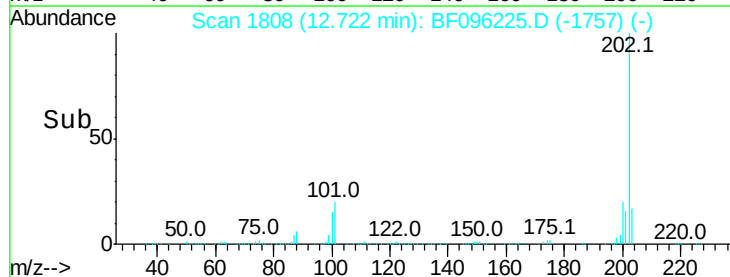
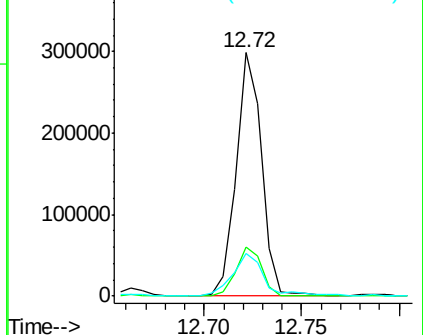
203 17.7 14.4 21.6

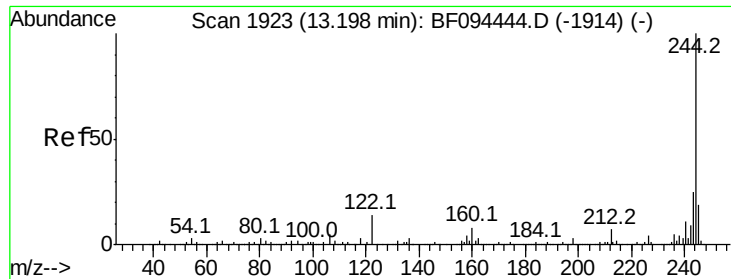


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

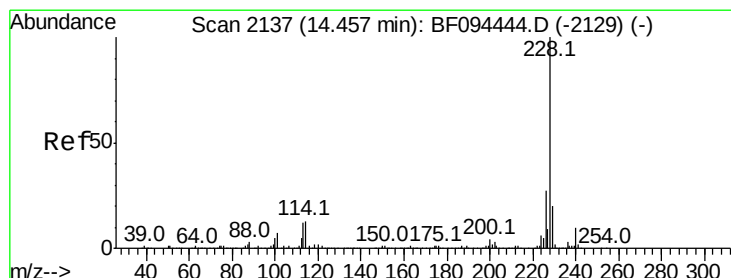
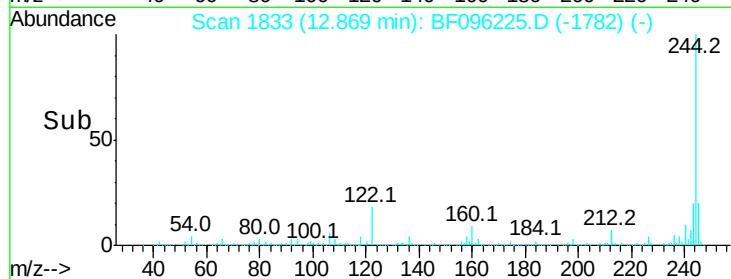
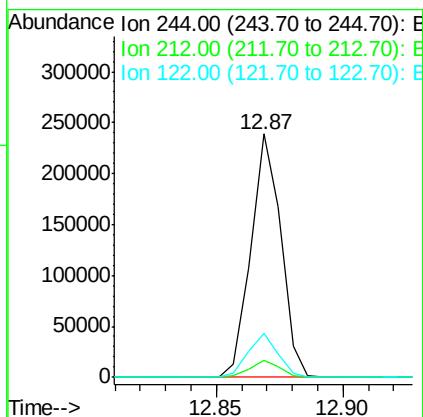
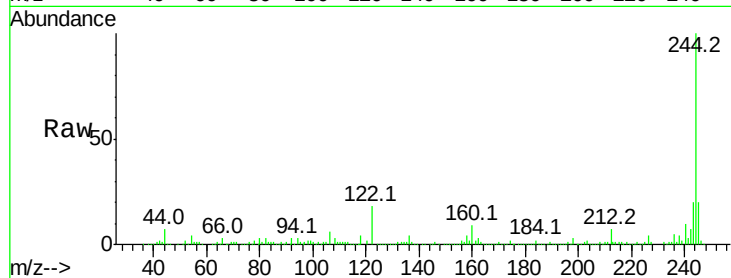




#78
 Terphenyl-d14
 Concen: 14.82 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BF096225.D
 Acq: 27 Jun 2017 19:26

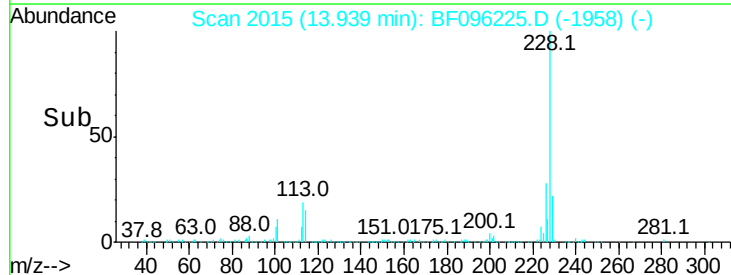
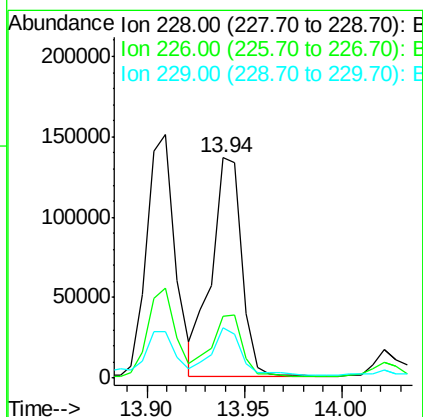
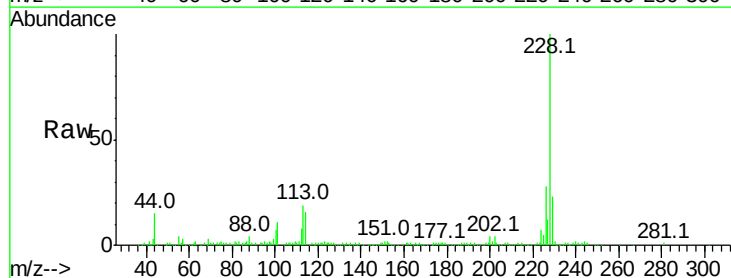
Instrument :
 BNA_F
 ClientSampleId :

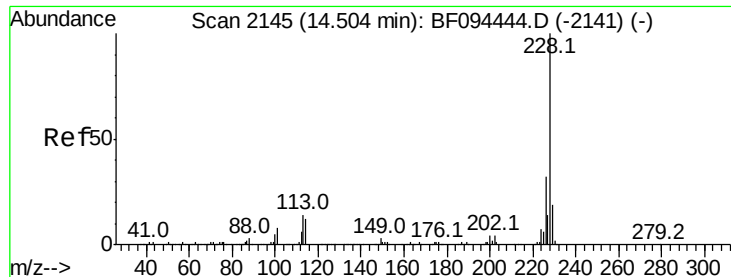
Tot Ion:244 Resp: 197638
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 18.0 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 7.24 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.04 min
 Lab File: BF096225.D
 Acq: 27 Jun 2017 19:26

Tgt Ion:228 Resp: 146886
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.6 33.8
 229 22.7 16.3 24.5

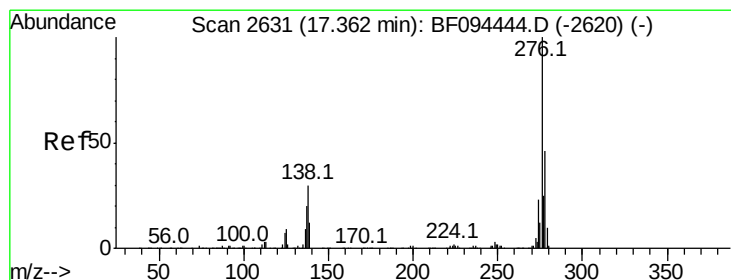
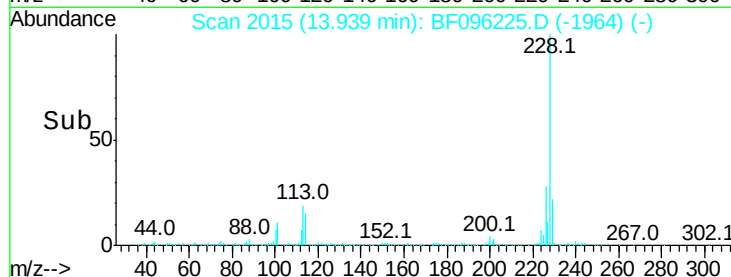
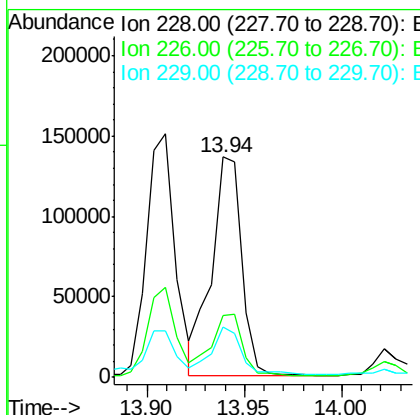
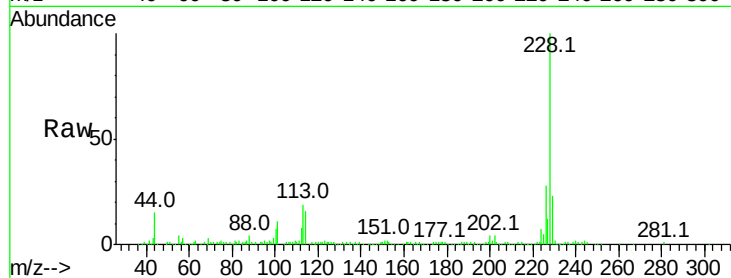




#82
Chrysene
Concen: 7.00 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

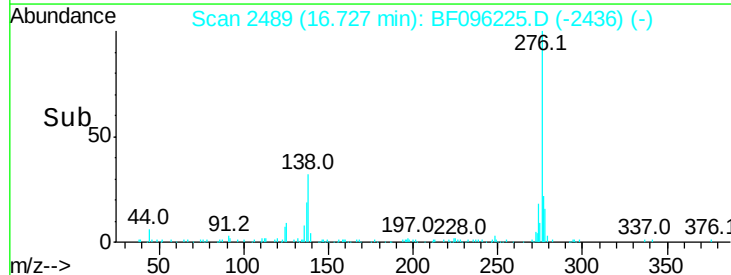
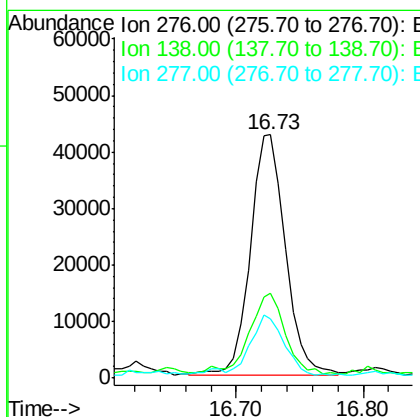
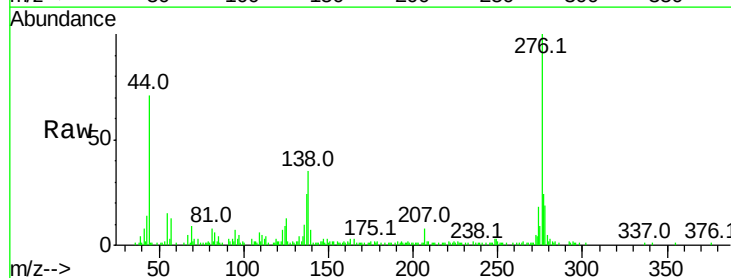
Instrument :
BNA_F
ClientSampleId :

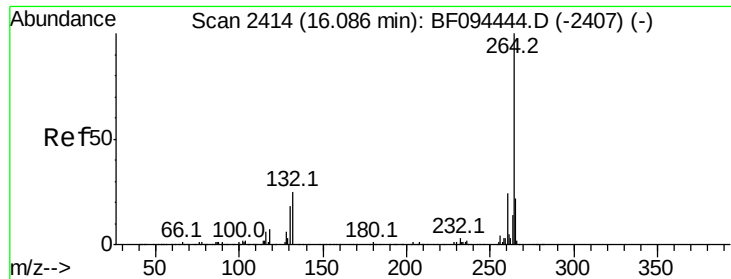
Tot Ion:228 Resp: 146886
Ion Ratio Lower Upper
228 100
226 28.0 24.9 37.3
229 22.7 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.70 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.01 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

Tgt Ion:276 Resp: 81859
Ion Ratio Lower Upper
276 100
138 34.6 27.8 41.6
277 24.1 20.2 30.4



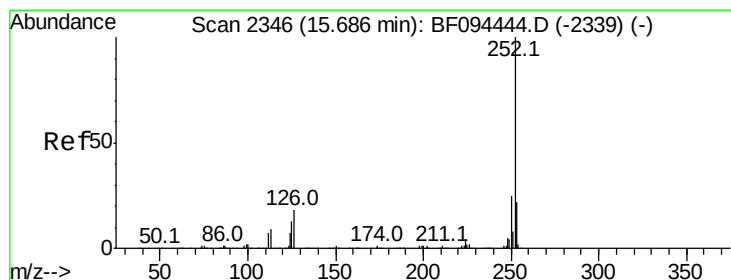
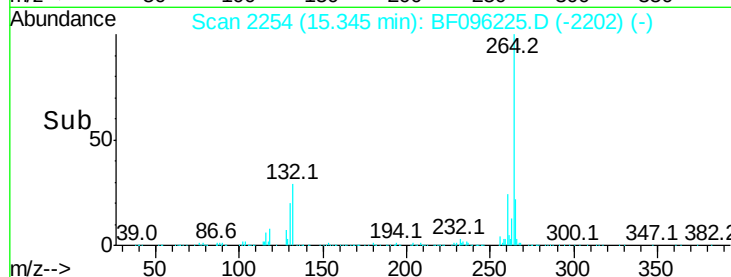
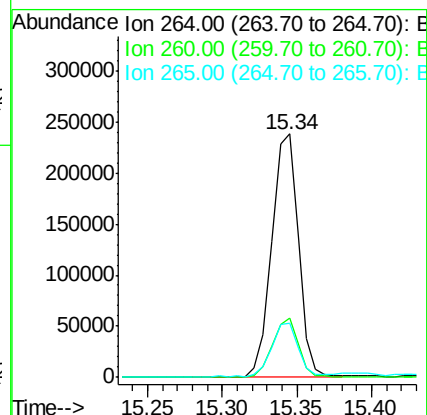
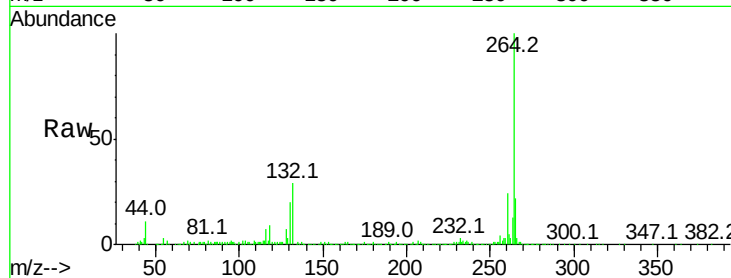


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 297104

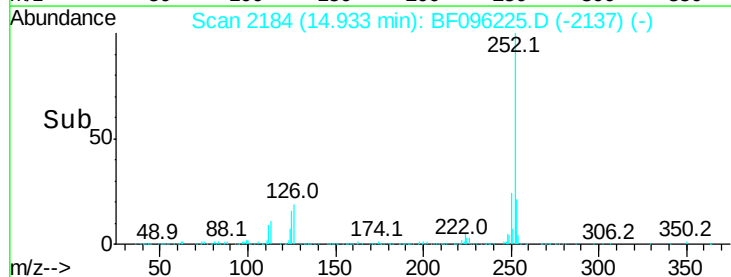
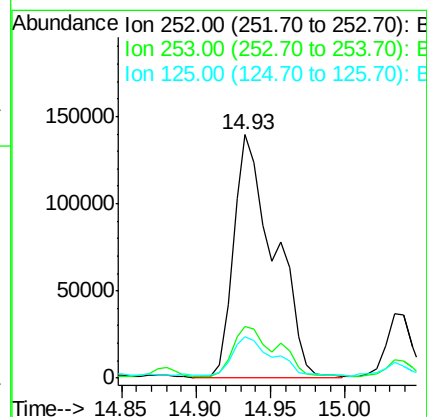
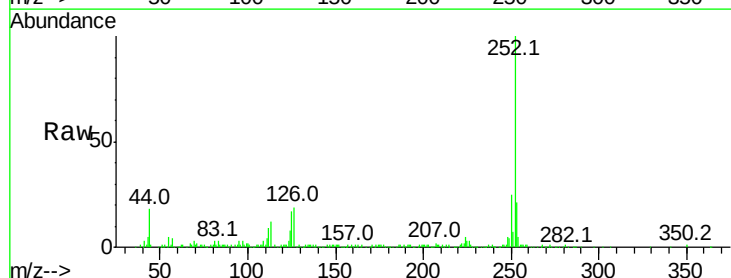
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.5	17.2	25.8

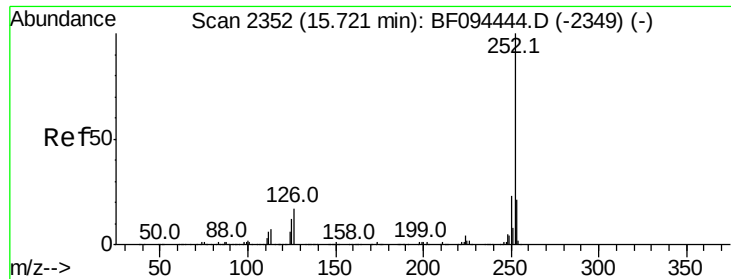


#87
Benzo(b)fluoranthene
Concen: 13.46 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF096225.D
Acq: 27 Jun 2017 19:26

Tgt Ion:252 Resp: 262744

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	17.0	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 14.75 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096225.D

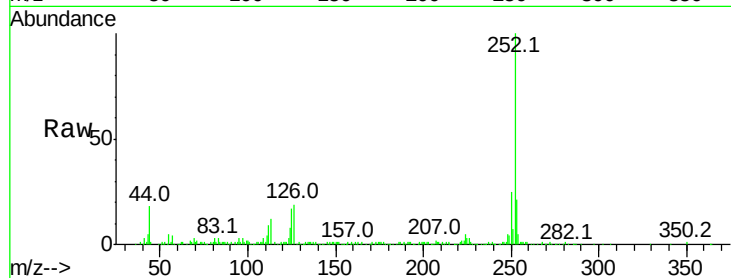
Acq: 27 Jun 2017 19:26

Instrument :

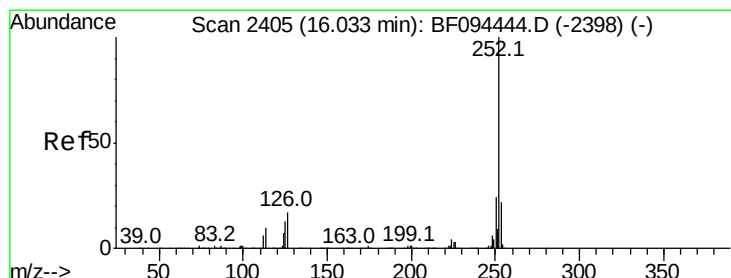
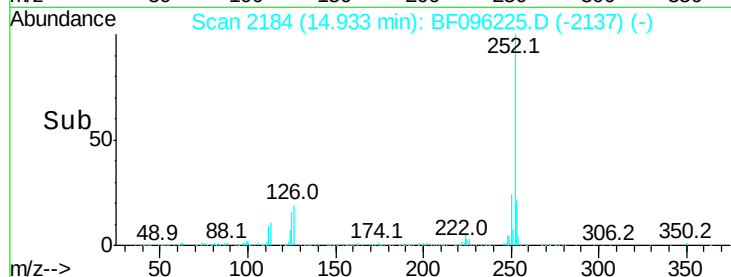
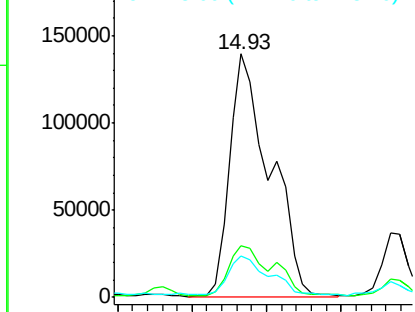
BNA_F

ClientSampleId :

Tot Ion:252	Resp:	262744
Ion Ratio	Lower	Upper
252	100	
253	21.5	18.4 27.6
125	17.0	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: 8.18 ng

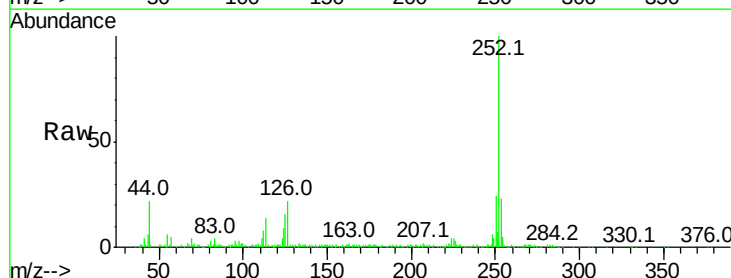
RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

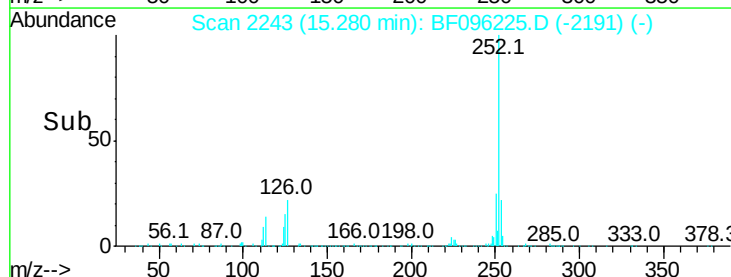
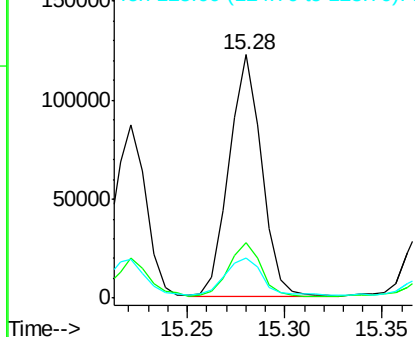
Lab File: BF096225.D

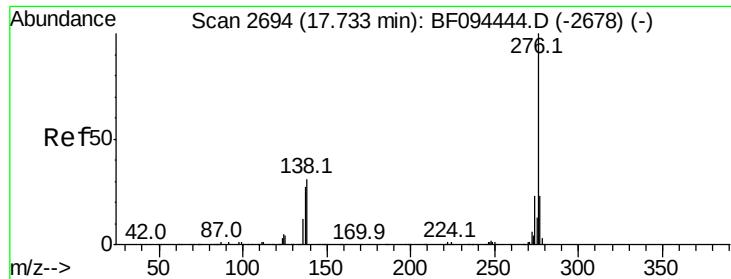
Acq: 27 Jun 2017 19:26

Tgt Ion:252	Resp:	141027
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.5 26.3
125	16.2	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: 5.53 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BF096225.D

Acq: 27 Jun 2017 19:26

Instrument :

BNA_F

ClientSampleId :

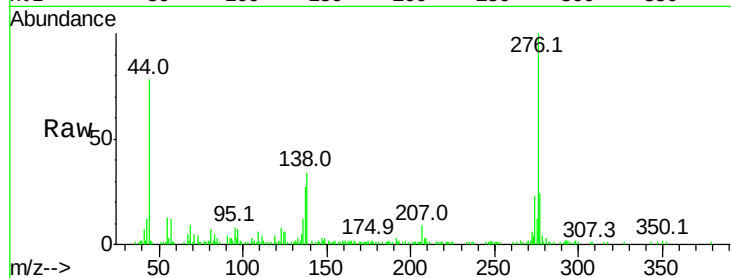
Tot Ion: 276 Resp: 77637

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 33.9 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

