

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071117\
 Data File : BF096650.D
 Acq On : 11 Jul 2017 17:58
 Operator : SJ/JU
 Sample : I4113-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

Quant Time: Jul 12 01:12:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	109833	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	470181	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	194202	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	287239	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	182386	20.00	ng	-0.02
86) Perylene-d12	15.22	264	207430	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	659687	88.65	ng	-0.01
7) Phenol-d6	6.33	99	799414	87.38	ng	-0.02
23) Nitrobenzene-d5	7.25	82	469438	60.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	134838	88.89	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	795548	70.04	ng	-0.02
78) Terphenyl-d14	12.77	244	430418	50.43	ng	-0.02

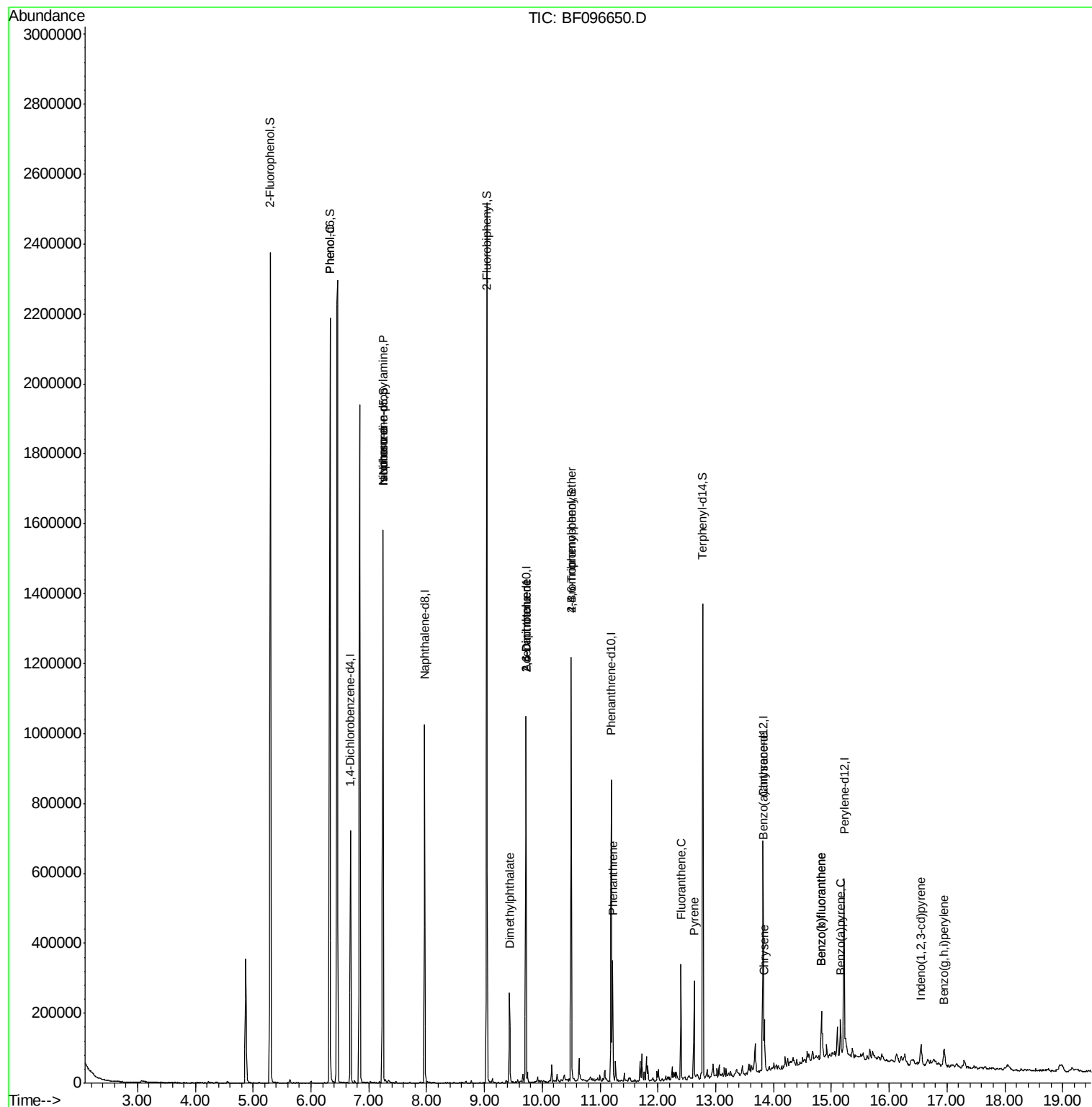
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.33	94	24501	2.351	ng	95
19) n-Nitroso-di-n-propylamine	7.25	70	61538	11.291	ng	# 88
25) Isophorone	7.25	82	469511	30.948	ng	# 67
49) Dimethylphthalate	9.43	163	93180	6.427	ng	100
50) 2,6-Dinitrotoluene	9.72	165	24811	7.739	ng	# 34
56) 2,4-Dinitrotoluene	9.72	165	24811	6.111	ng	# 33
66) 4-Bromophenyl-phenylether	10.50	248	8397	3.003	ng	# 1
70) Phenanthrene	11.22	178	118231	7.614	ng	99
74) Fluoranthene	12.40	202	121791	8.000	ng	98
77) Pyrene	12.63	202	112542	7.687	ng	98
80) Benzo(a)anthracene	13.81	228	50560	4.787	ng	99
82) Chrysene	13.84	228	49194	4.448	ng	96
85) Indeno(1,2,3-cd)pyrene	16.55	276	34877	3.995	ng	94
87) Benzo(b)fluoranthene	14.83	252	85211	6.556	ng	# 94
88) Benzo(k)fluoranthene	14.83	252	85211	7.329	ng	98
89) Benzo(a)pyrene	15.16	252	47698	4.110	ng	97
91) Benzo(a,h,i)perylene	16.95	276	36391	3.847	ng	93

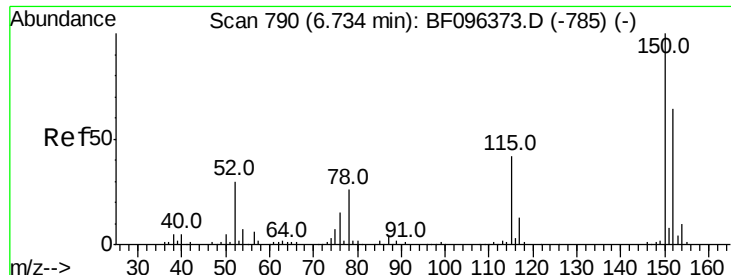
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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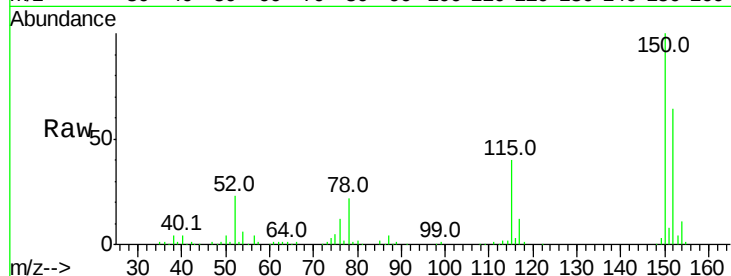


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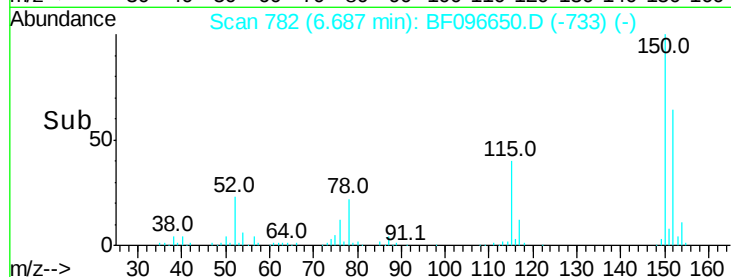
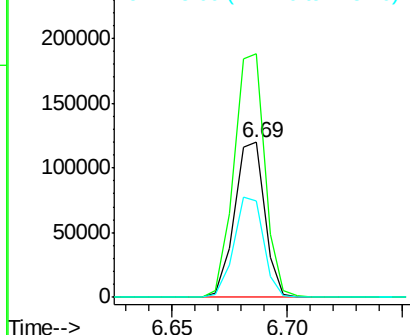
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Instrument :
BNA_F
ClientSampled :
SB-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	62.3	52.2	78.2



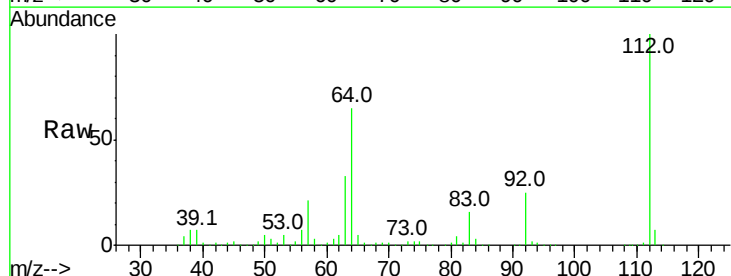
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



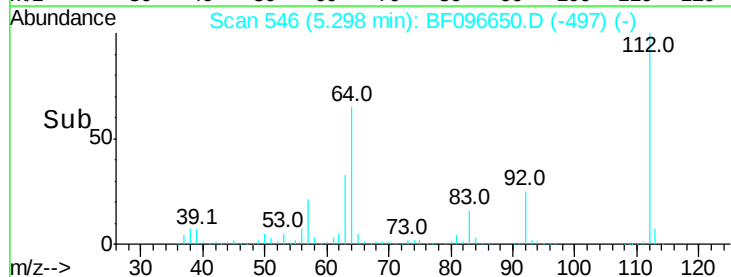
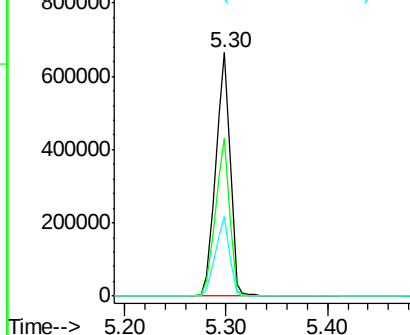
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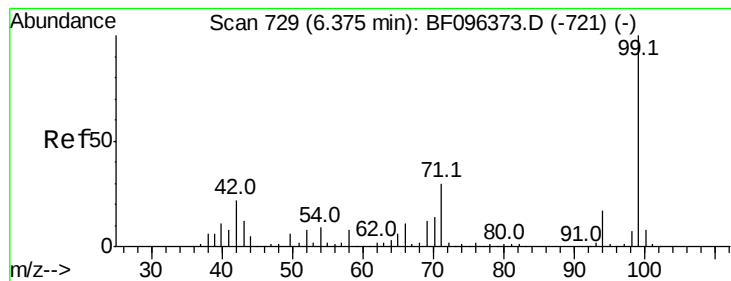
2-Fluorophenol
Concen: 88.651 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	46.0	69.0
63	32.7	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: 87.385 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Instrument :

BNA_F

ClientSampled :

SB-5

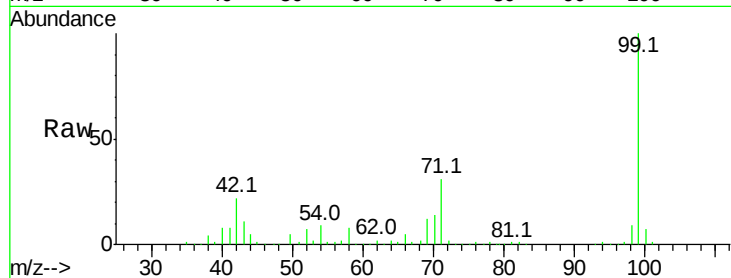
Tot Ion: 99 Resp: 799414

Ion Ratio Lower Upper

99 100

42 21.6 13.5 20.3#

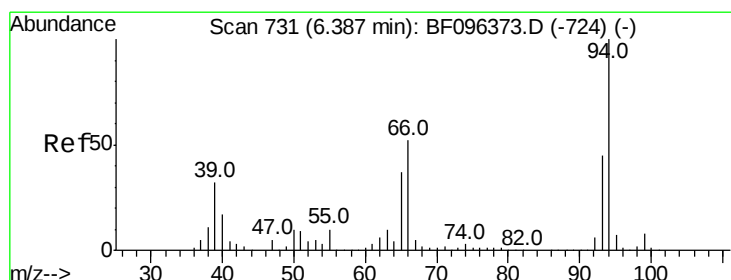
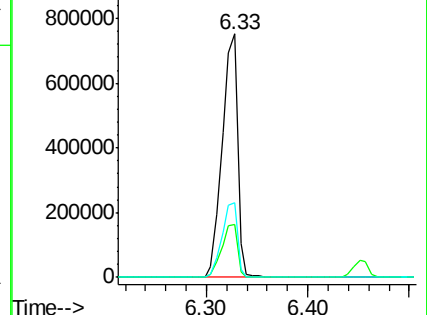
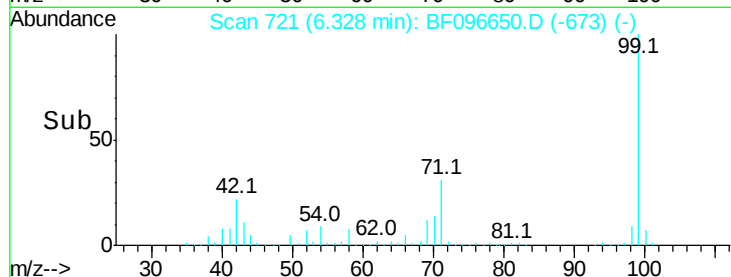
71 30.8 24.5 36.7



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



#10

Phenol

Concen: 2.351 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

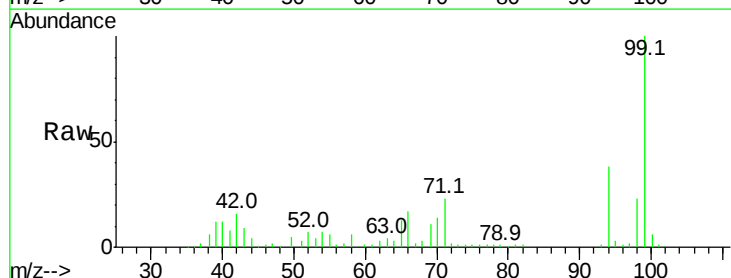
Tgt Ion: 94 Resp: 24501

Ion Ratio Lower Upper

94 100

65 34.0 9.9 49.9

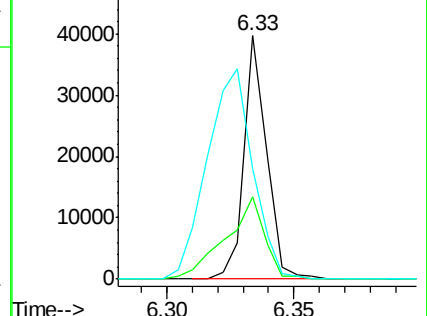
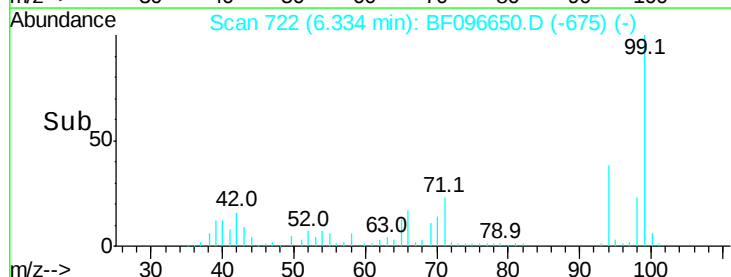
66 45.2 23.1 63.1

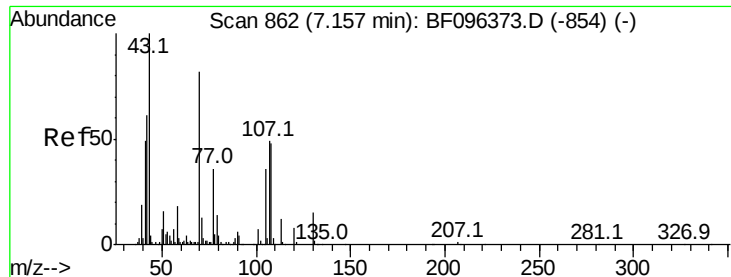


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

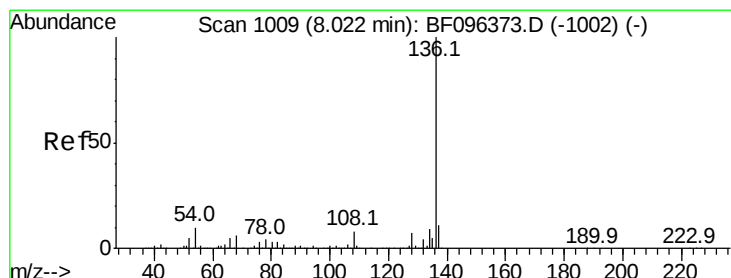
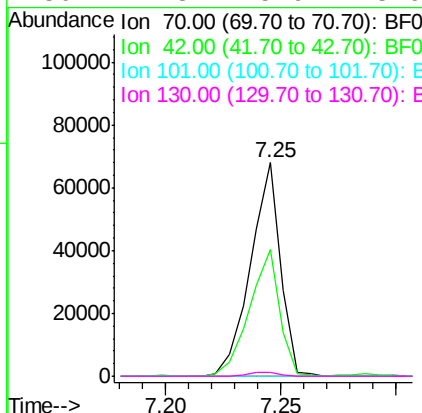
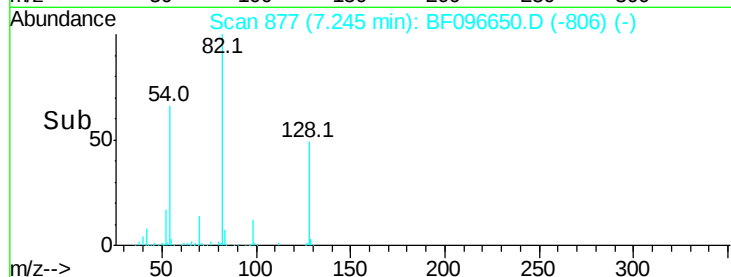
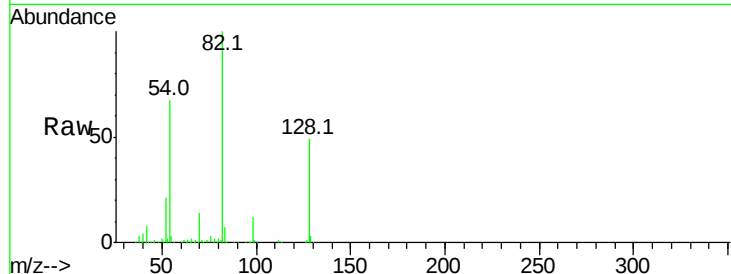




#19
n-Nitroso-di-n-propylamine
Concen: 11.291 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.12 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

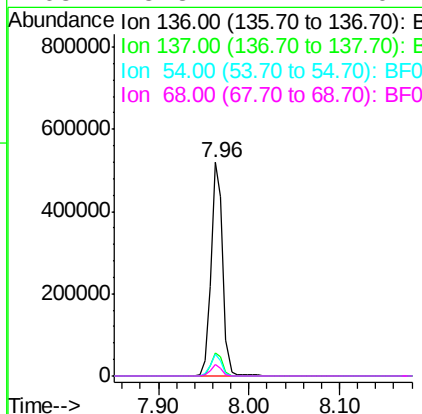
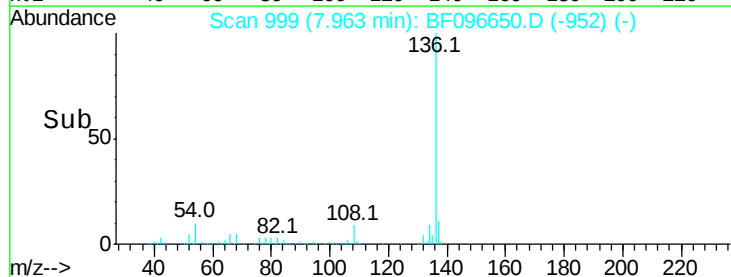
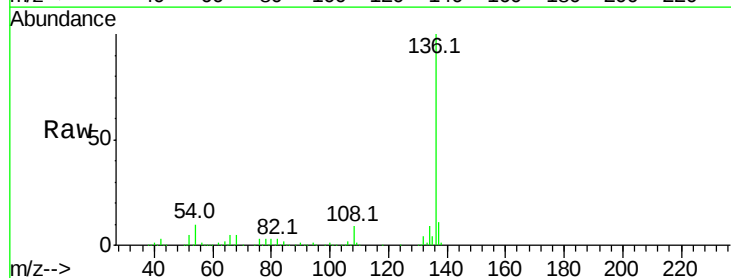
Instrument :
BNA_F
ClientSampleId :
SB-5

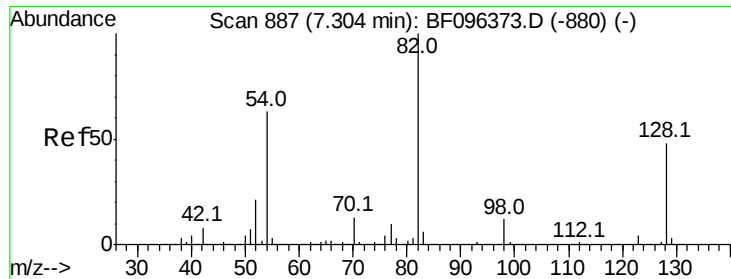
Tot Ion: 70 Resp: 61538
Ion Ratio Lower Upper
70 100
42 59.4 47.2 70.8
101 0.0 7.2 10.8#
130 1.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.02 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Tgt Ion:136 Resp: 470181
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.1 4.9 7.3#
68 5.3 4.1 6.1

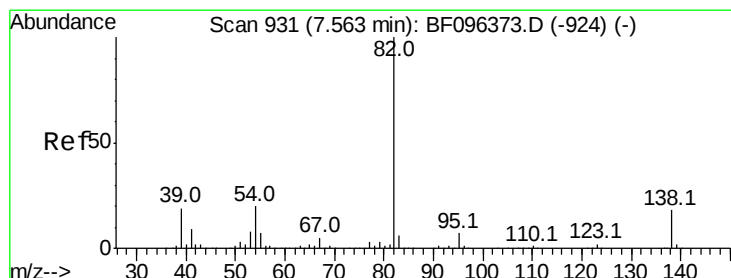
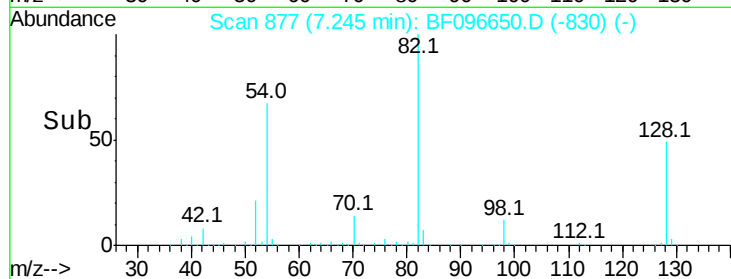
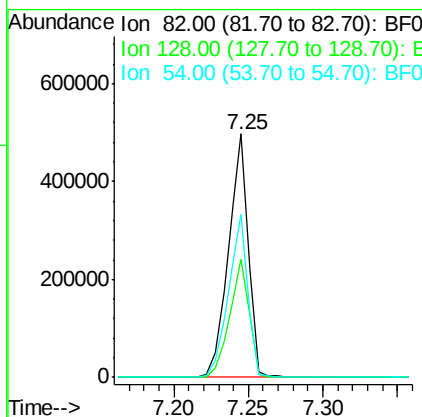
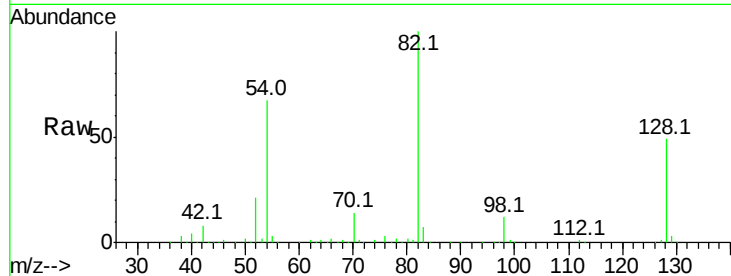




#23
 Nitrobenzene-d5
 Concen: 59.996 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.02 min
 Lab File: BF096650.D
 Acq: 11 Jul 2017 17:58

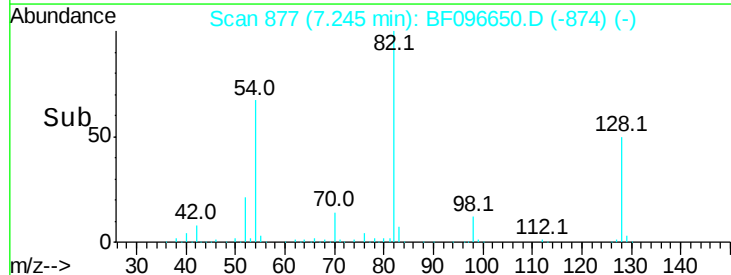
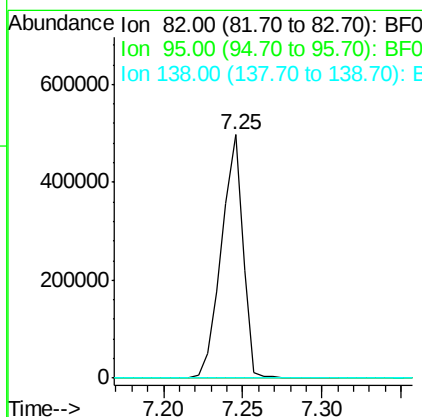
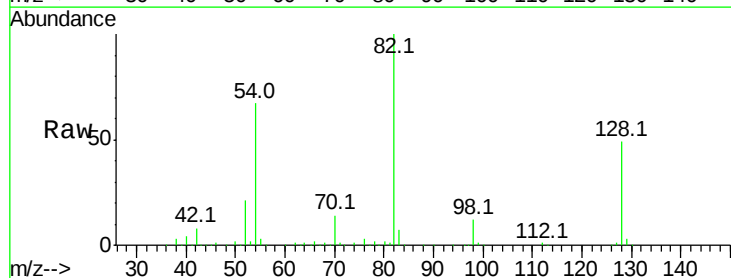
Instrument :
 BNA_F
 ClientSampleId :
 SB-5

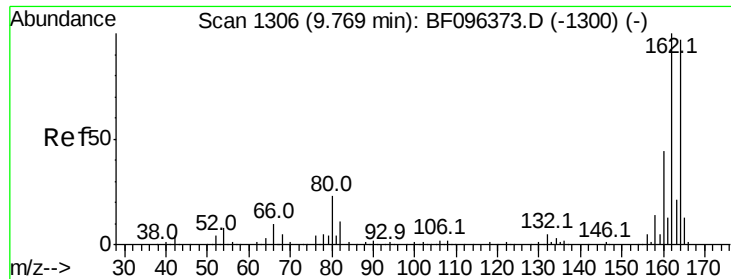
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.6	34.0	51.0
54	66.9	42.2	63.2#



#25
 Isophorone
 Concen: 30.948 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.28 min
 Lab File: BF096650.D
 Acq: 11 Jul 2017 17:58

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

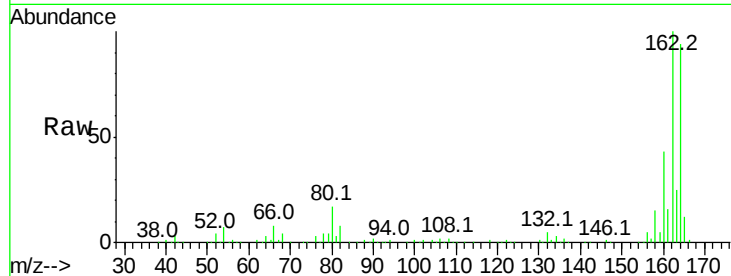




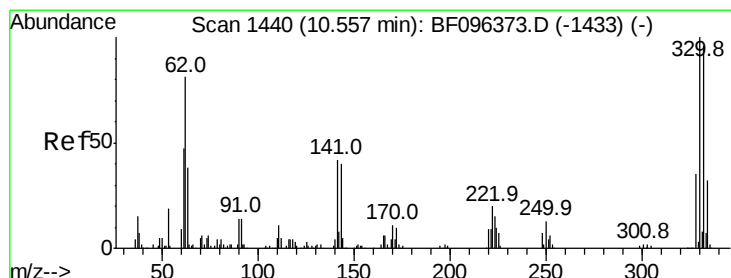
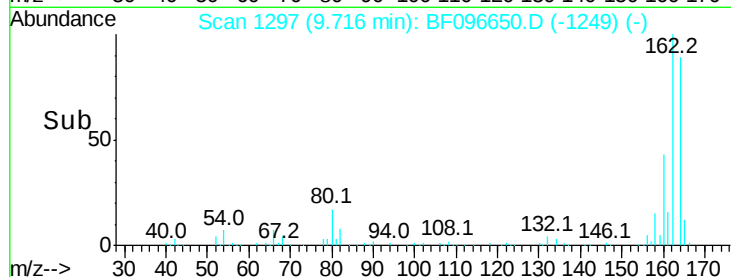
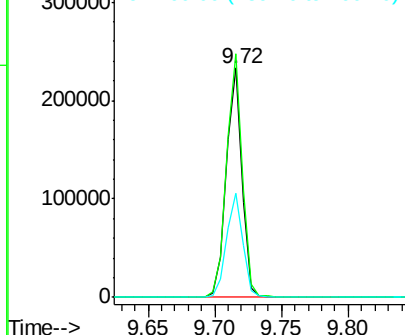
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Instrument :
BNA_F
ClientSampleId :
SB-5

Tot Ion:164 Resp: 194202
Ion Ratio Lower Upper
164 100
162 106.4 82.6 123.8
160 45.7 36.2 54.2

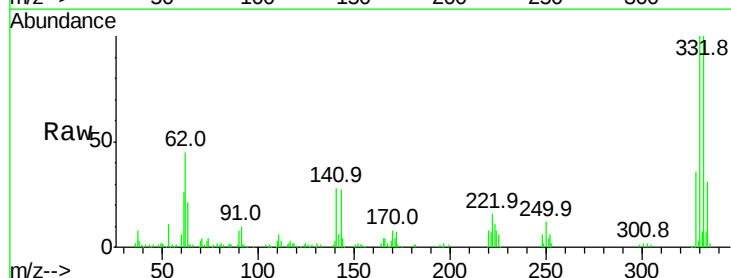


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

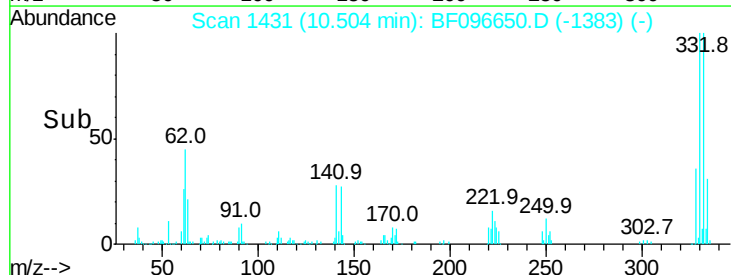
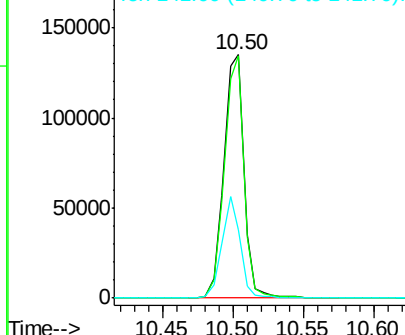


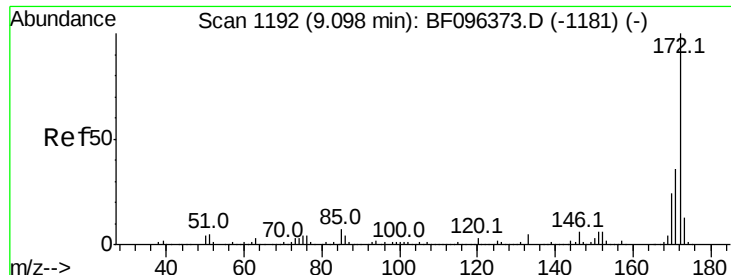
#41
2,4,6-Tribromophenol
Concen: 88.887 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Tgt Ion:330 Resp: 134838
Ion Ratio Lower Upper
330 100
332 96.2 76.6 115.0
141 37.7 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

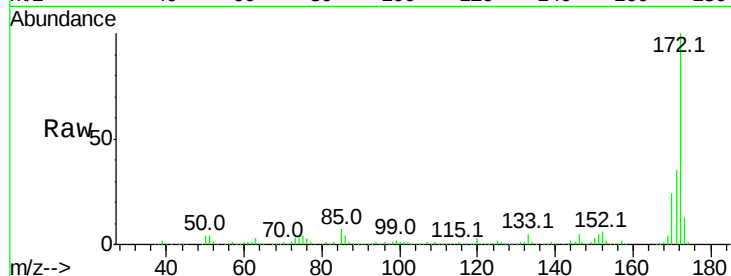




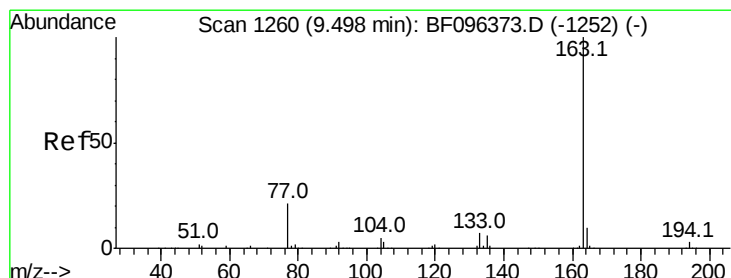
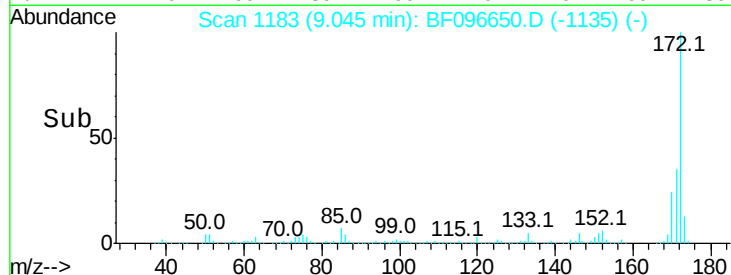
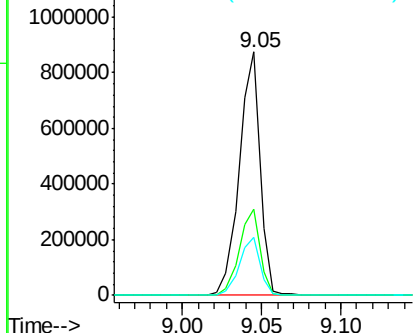
#44
2-Fluorobiphenyl
Concen: 70.041 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Instrument :
BNA_F
ClientSampled :
SB-5

Tot Ion:172 Resp: 795548
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 24.0 19.8 29.8

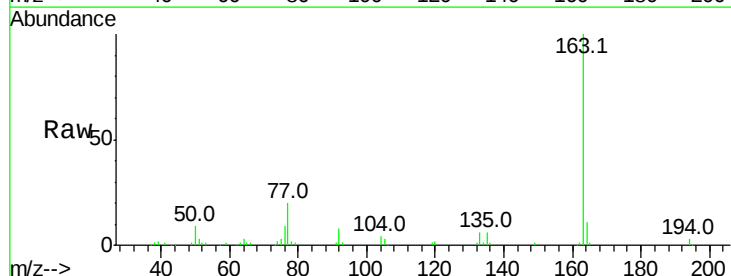


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

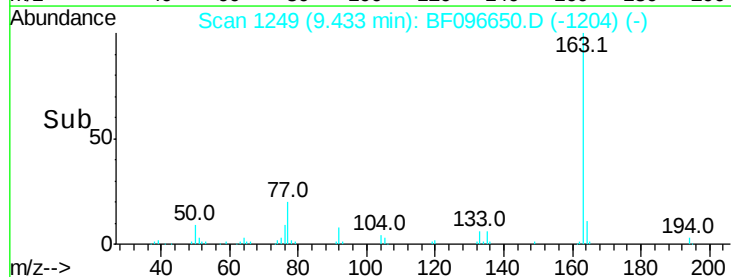
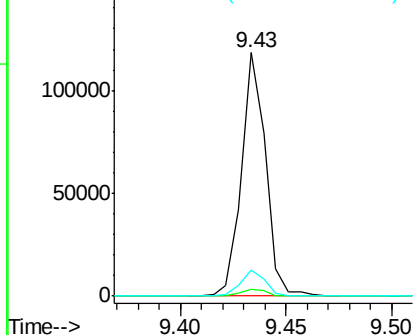


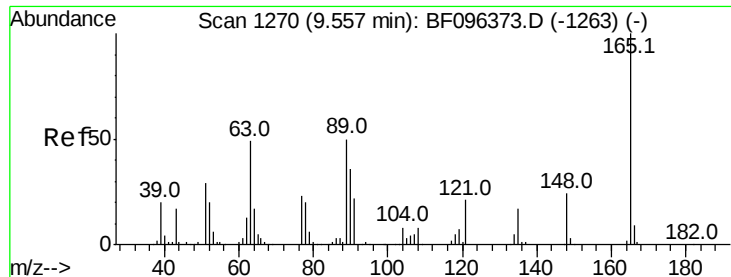
#49
Dimethylphthalate
Concen: 6.427 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.04 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Tgt Ion:163 Resp: 93180
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.5 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

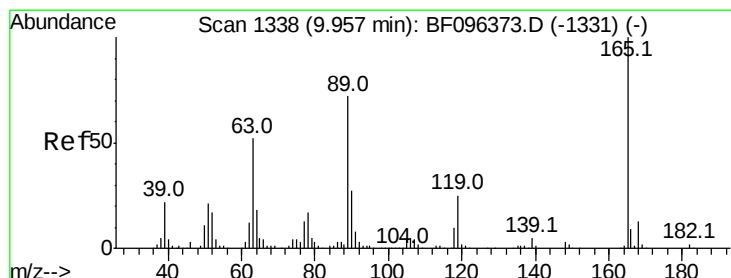
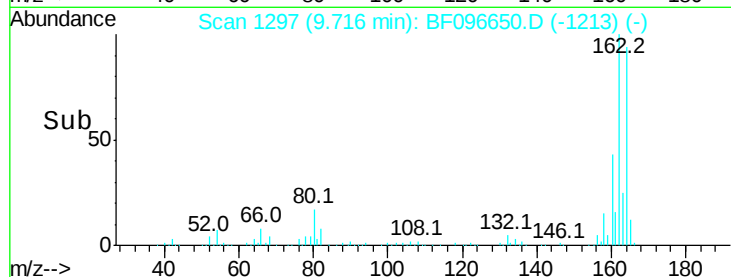
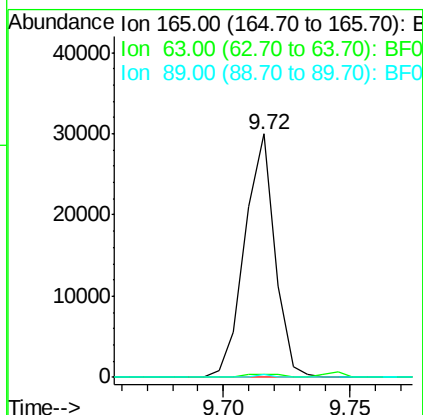
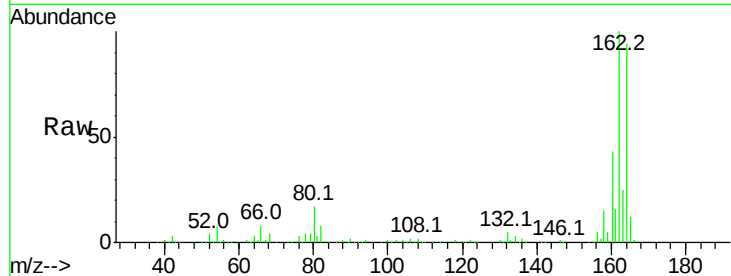




#50
 2,6-Dinitrotoluene
 Concen: 7.739 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.19 min
 Lab File: BF096650.D
 Acq: 11 Jul 2017 17:58

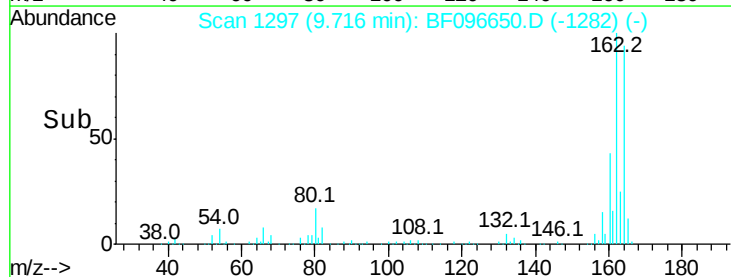
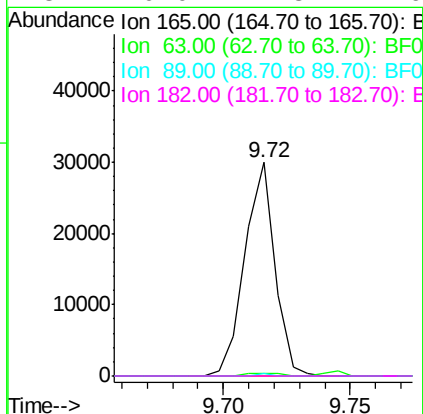
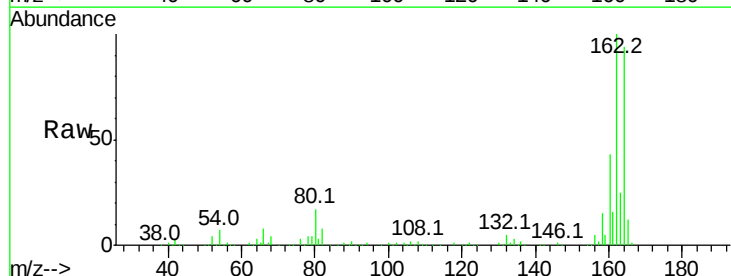
Instrument :
 BNA_F
 ClientSampleId :
 SB-5

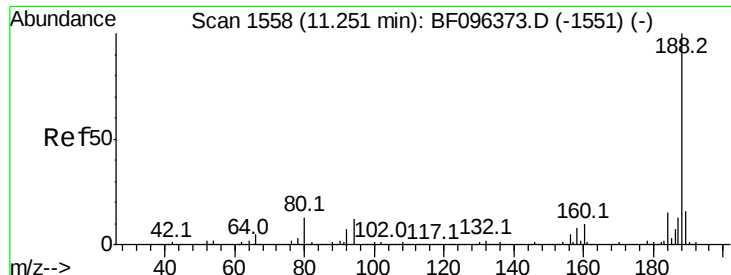
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.3	51.5#
89	1.4	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.111 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.21 min
 Lab File: BF096650.D
 Acq: 11 Jul 2017 17:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Instrument :

BNA_F

ClientSampleId :

SB-5

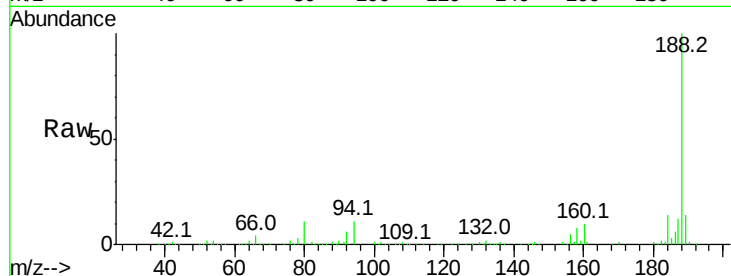
Tot Ion:188 Resp: 287239

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

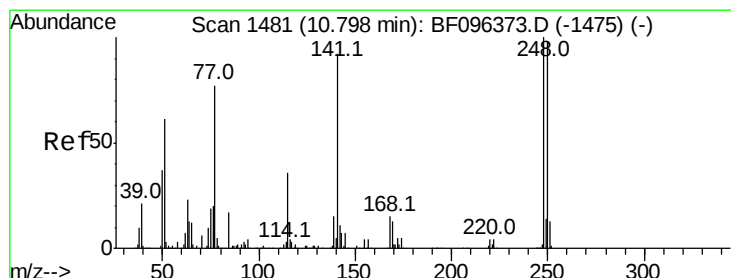
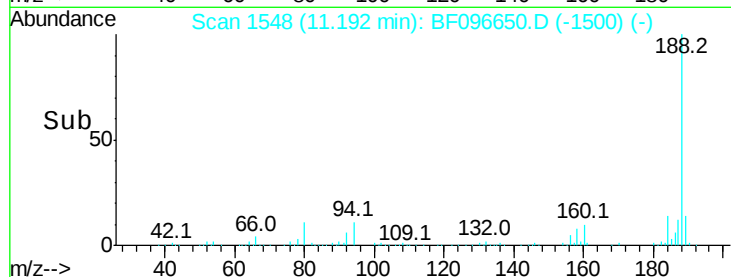
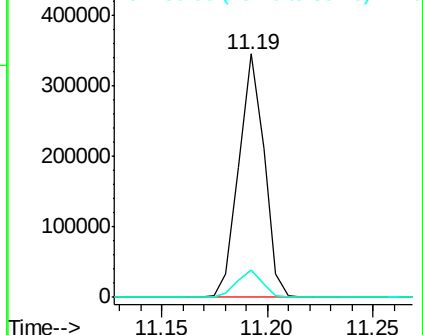
80 11.0 10.2 15.2



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



#66

4-Bromophenyl-phenylether

Concen: 3.003 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.26 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

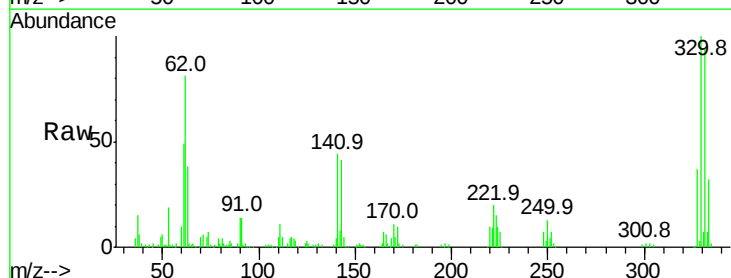
Tgt Ion:248 Resp: 8397

Ion Ratio Lower Upper

248 100

250 201.6 76.8 115.2#

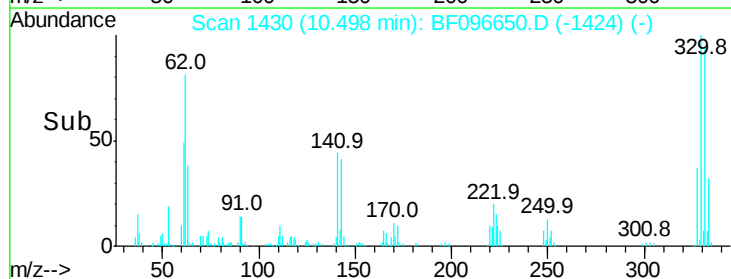
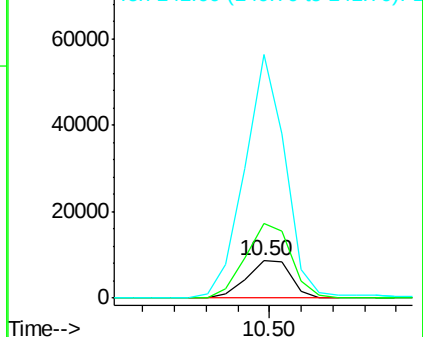
141 653.4 68.6 103.0#

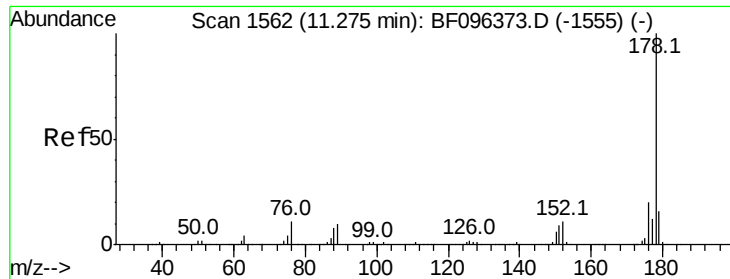


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

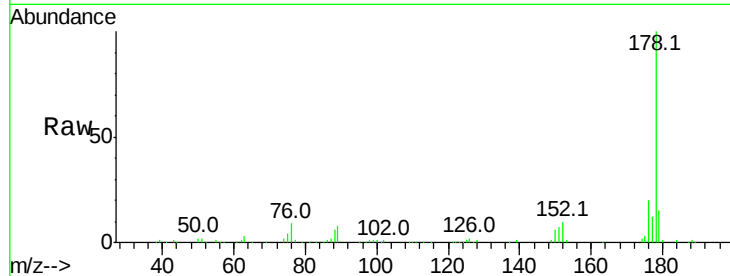




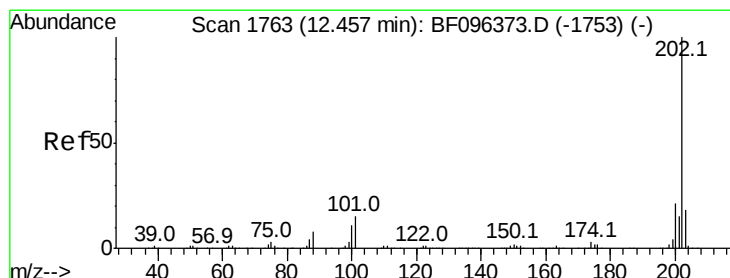
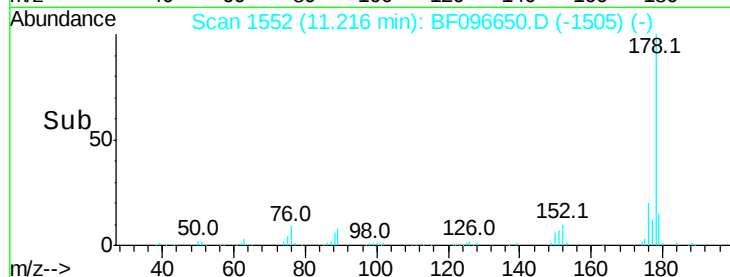
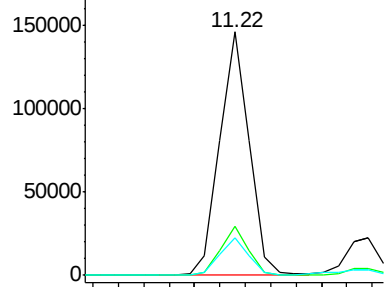
#70
Phenanthrene
Concen: 7.614 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Instrument :
BNA_F
ClientSampleId :
SB-5

Tot Ion:178 Resp: 118231
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 15.3 12.6 19.0

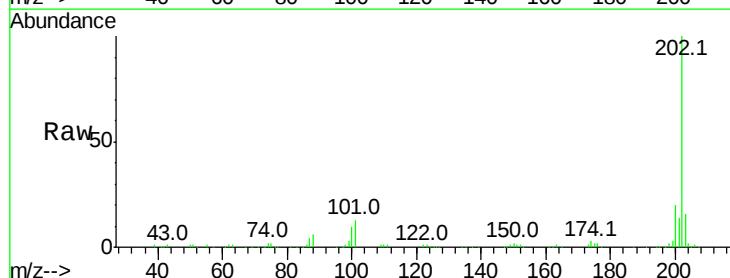


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

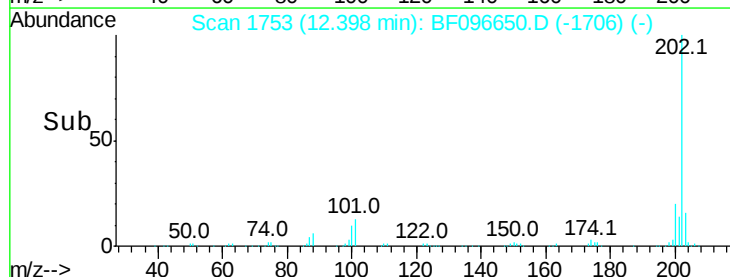
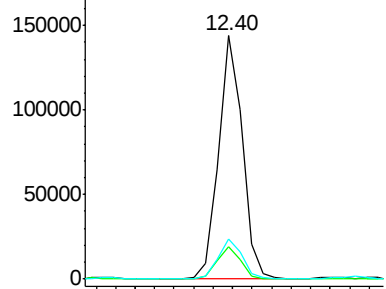


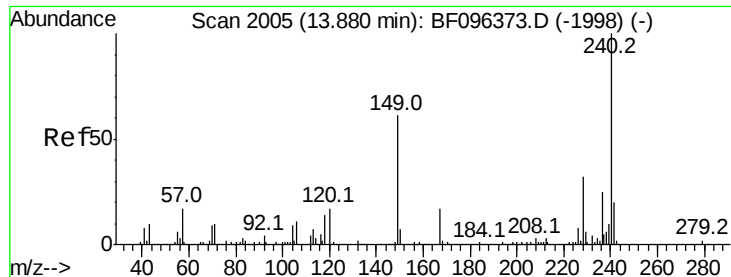
#74
Fluoranthene
Concen: 8.000 ng
RT: 12.40 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Tgt Ion:202 Resp: 121791
Ion Ratio Lower Upper
202 100
101 13.3 0.0 33.2
203 16.4 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: 20.000 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Instrument :

BNA_F

ClientSampleId :

SB-5

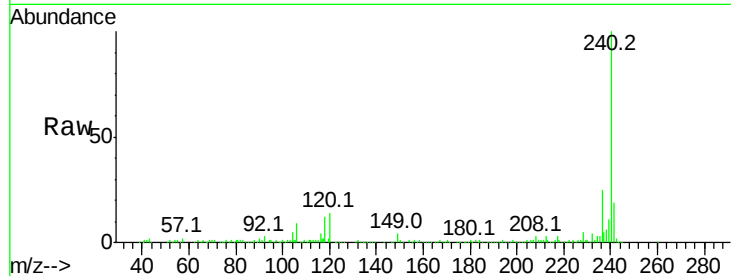
Tot Ion:240 Resp: 182386

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

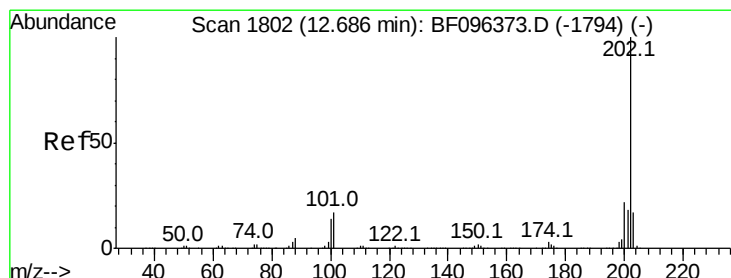
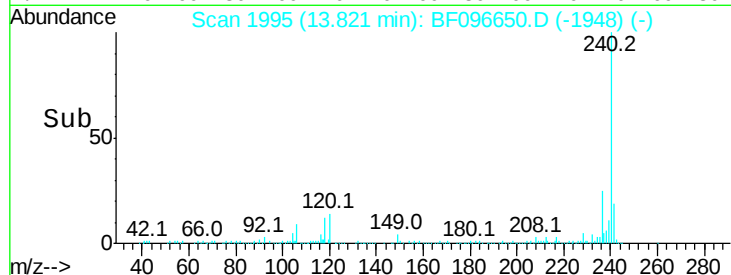
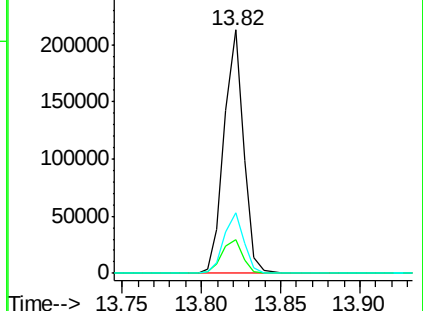
236 24.8 20.5 30.7



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: 7.687 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

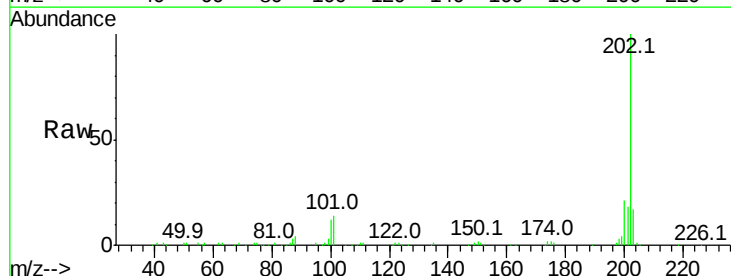
Tgt Ion:202 Resp: 112542

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

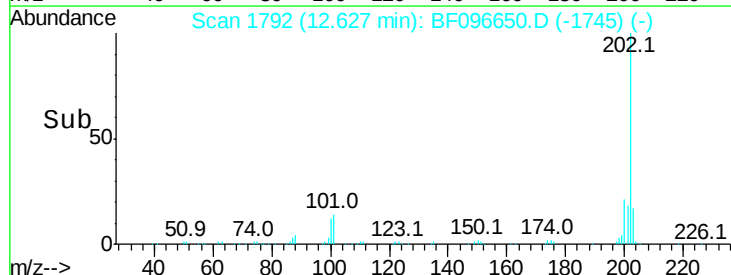
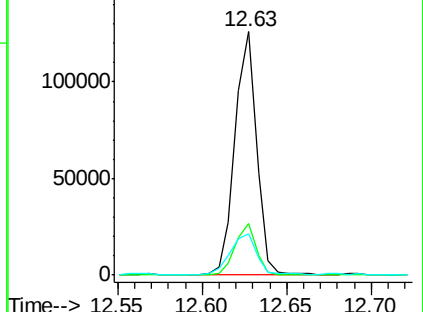
203 16.8 14.4 21.6

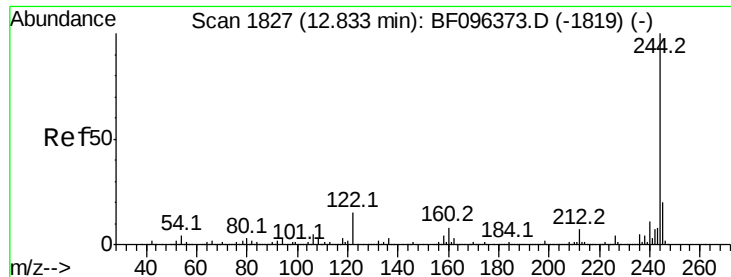


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.428 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Instrument :

BNA_F

ClientSampleId :

SB-5

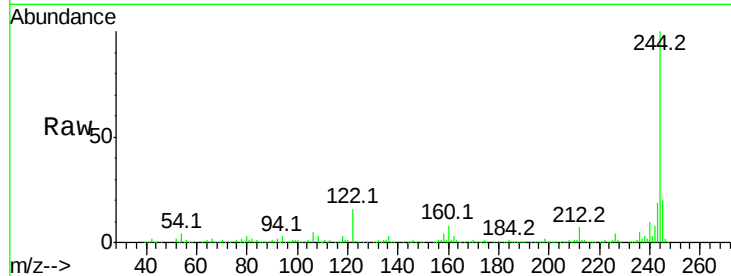
Tot Ion:244 Resp: 430418

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

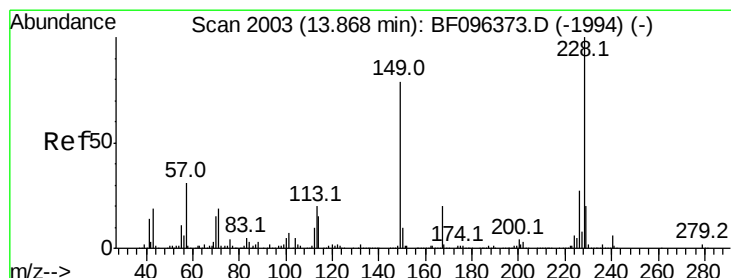
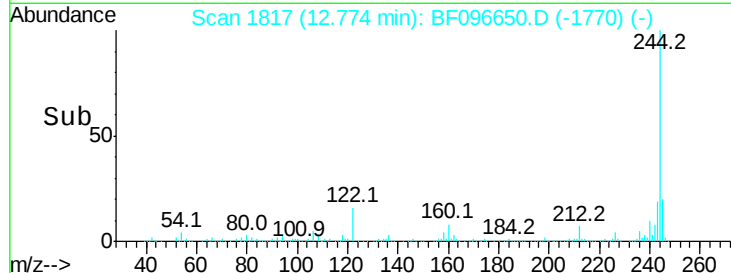
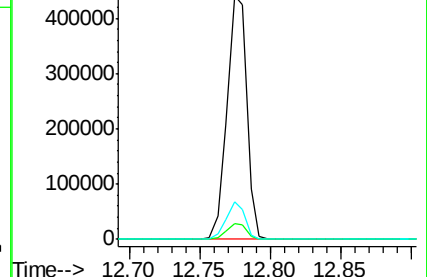
122 15.6 10.3 15.5#



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: 4.787 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

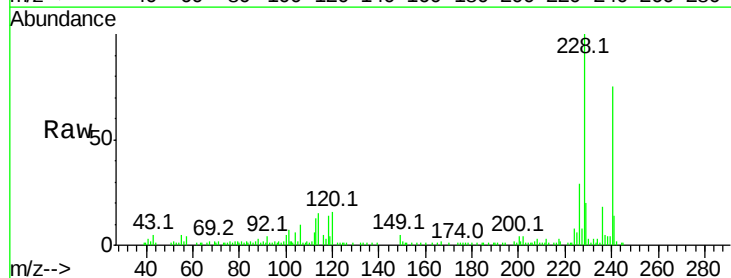
Tgt Ion:228 Resp: 50560

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

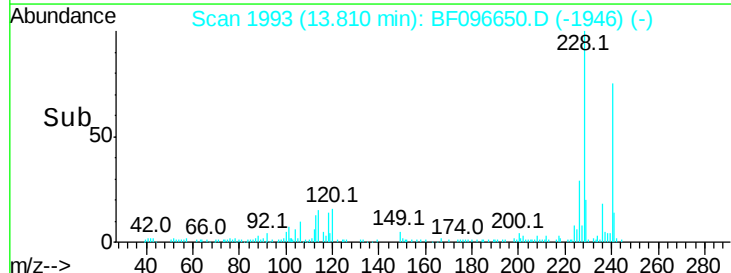
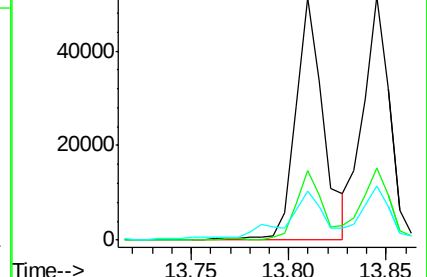
229 20.3 16.3 24.5

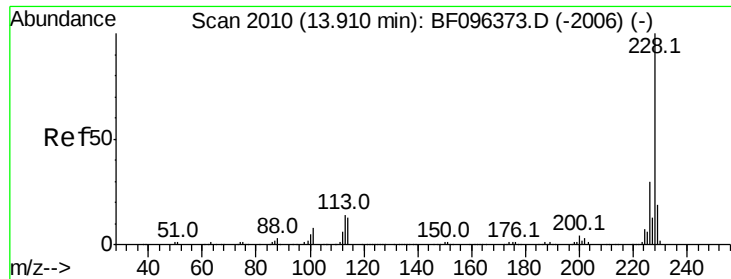


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.448 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.03 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Instrument :

BNA_F

ClientSampleId :

SB-5

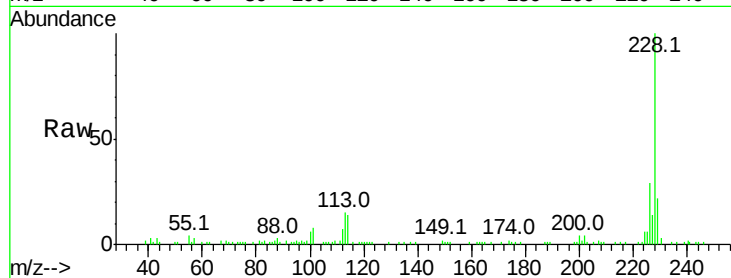
Tot Ion:228 Resp: 49194

Ion Ratio Lower Upper

228 100

226 29.4 24.9 37.3

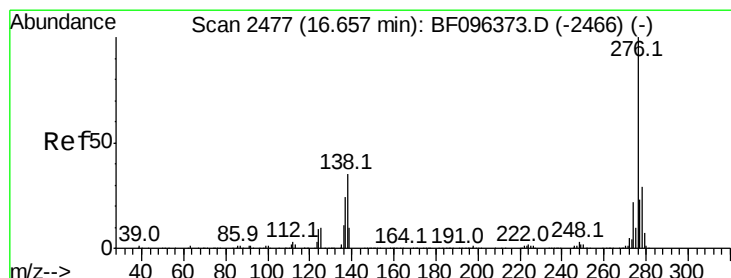
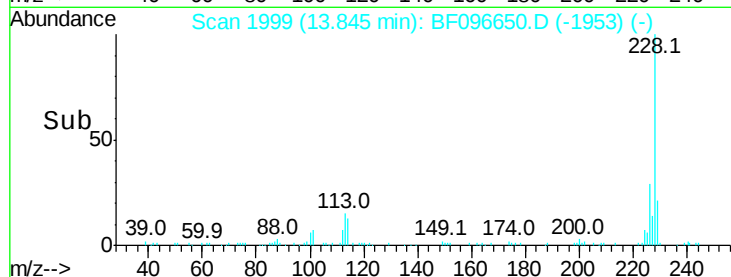
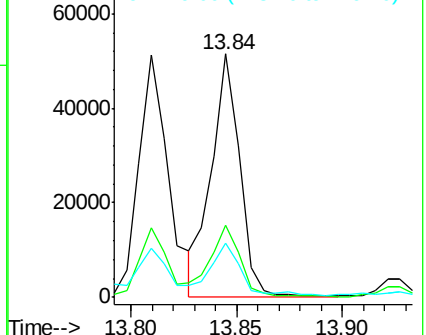
229 22.1 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.995 ng

RT: 16.55 min Scan# 2459

Delta R.T. -0.05 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

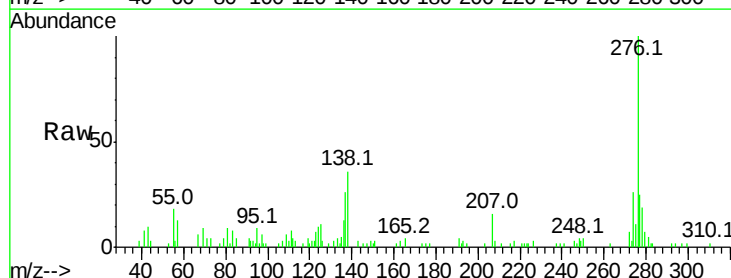
Tgt Ion:276 Resp: 34877

Ion Ratio Lower Upper

276 100

138 30.2 27.8 41.6

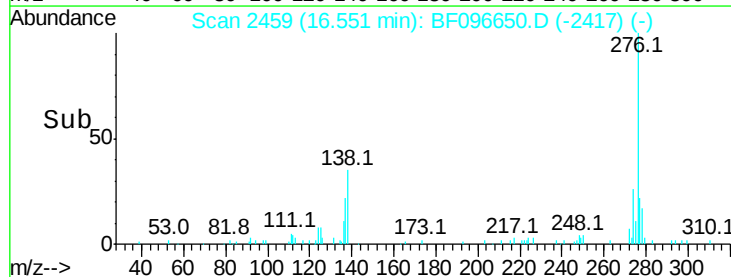
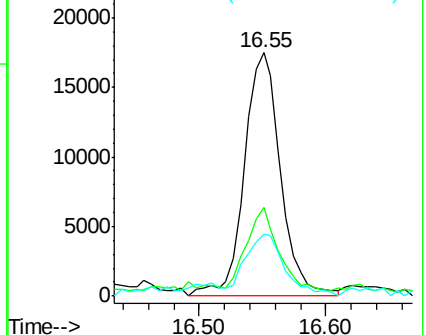
277 27.7 20.2 30.4

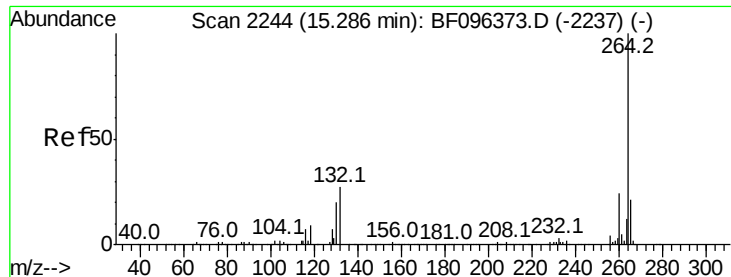


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

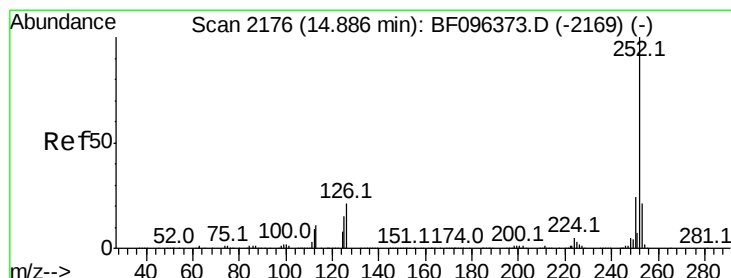
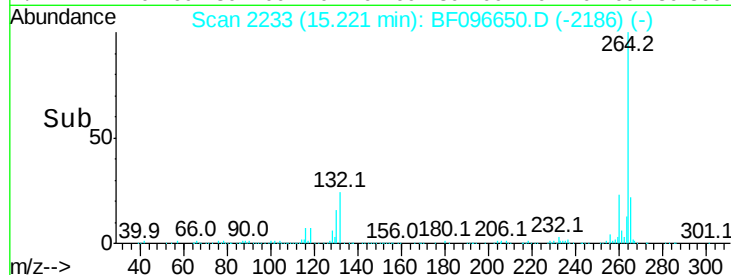
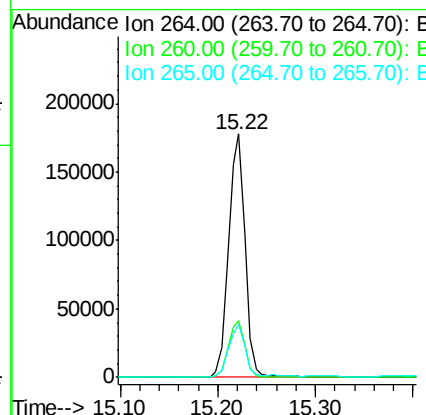
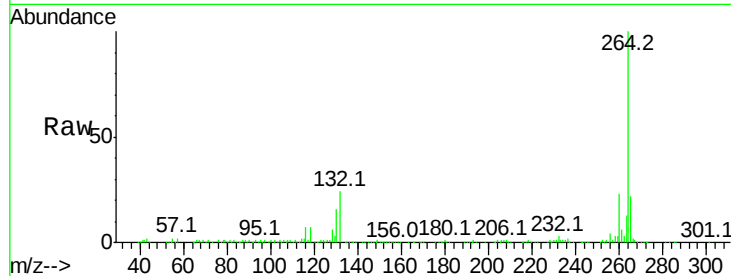




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.02 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

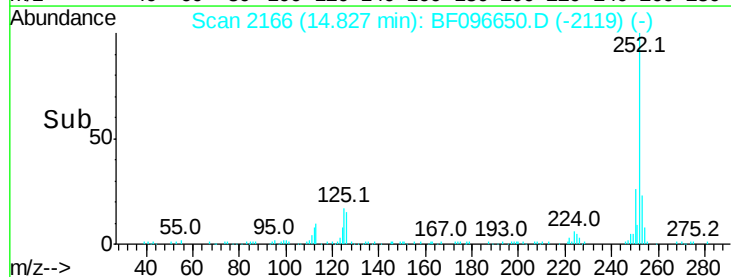
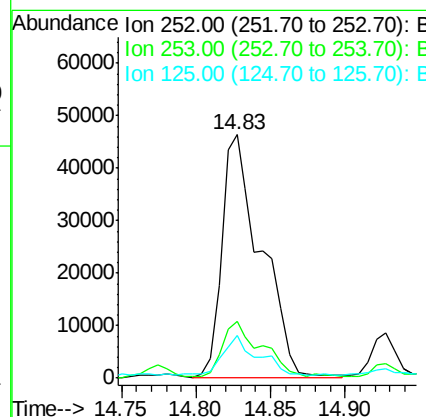
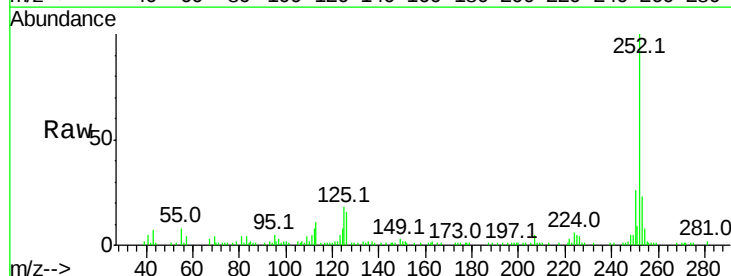
Instrument :
BNA_F
ClientSampleId :
SB-5

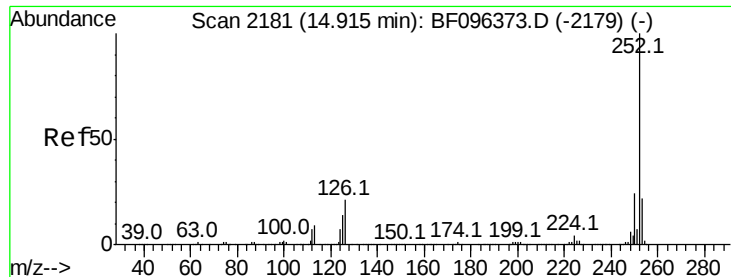
Tot Ion:264 Resp: 207430
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.556 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Tgt Ion:252 Resp: 85211
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 17.5 9.8 14.8#

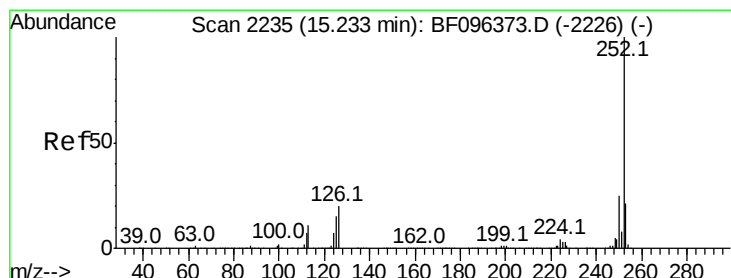
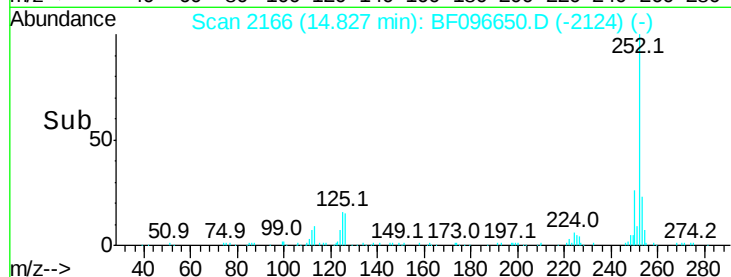
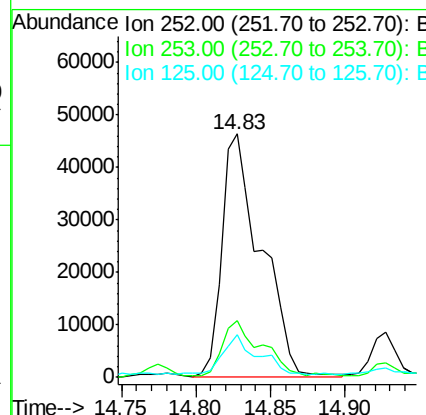
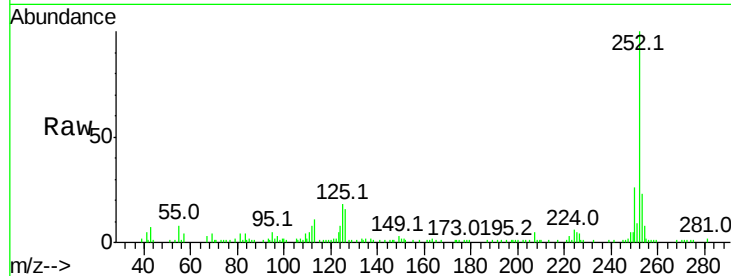




#88
Benzo(k)fluoranthene
Concen: 7.329 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.05 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

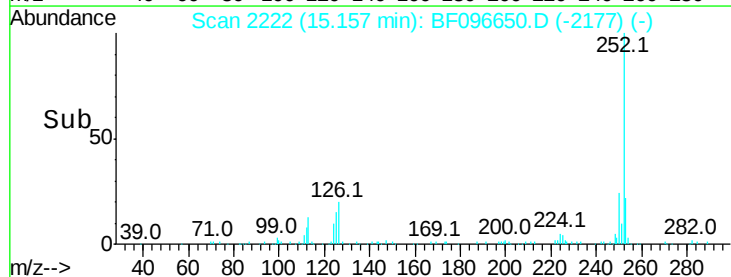
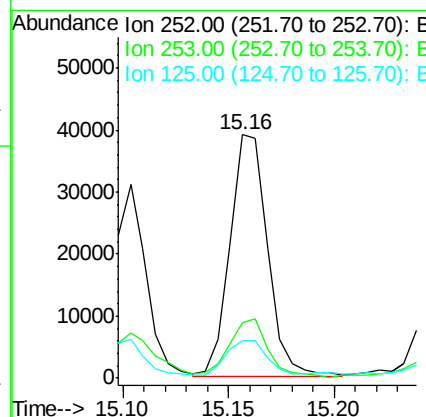
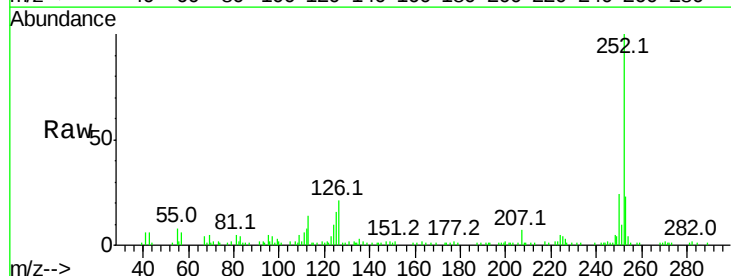
Instrument :
BNA_F
ClientSampleId :
SB-5

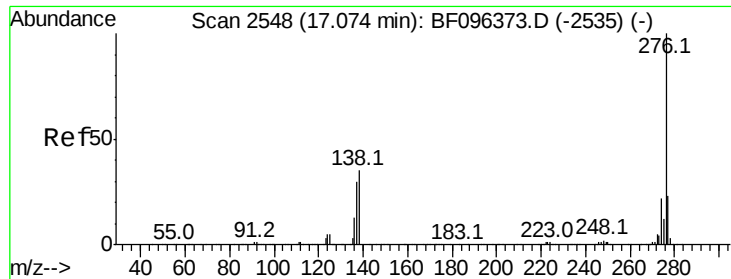
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	17.5	13.1	19.7



#89
Benzo(a)pyrene
Concen: 4.110 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.04 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.5	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 3.847 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.05 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Instrument :

BNA_F

ClientSampleId :

SB-5

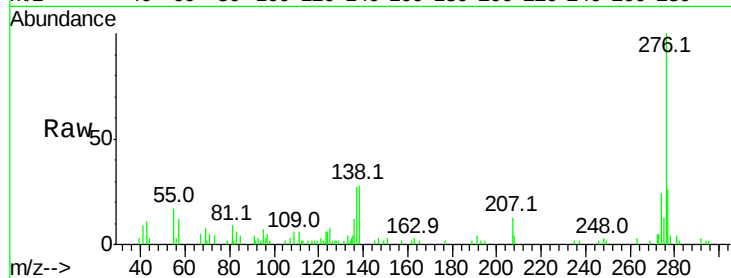
Tot Ion: 276 Resp: 36391

Ion Ratio Lower Upper

276 100

277 26.3 18.6 28.0

138 27.6 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

