

Data File : BF096941.D
Acq On : 21 Jul 2017 13:50
Operator : SJ/JU
Sample : I4253-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

Quant Time: Jul 21 23:09:40 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	100432	20.00	ng	-0.05
21) Naphthalene-d8	7.83	136	450985	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	208795	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	312590	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	220424	20.00	ng	-0.05
86) Perylene-d12	15.04	264	210050	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	678329	101.55	ng	-0.04
7) Phenol-d6	6.21	99	779893	97.30	ng	-0.04
23) Nitrobenzene-d5	7.12	82	467751	64.24	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	155949	87.50	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	764184	57.82	ng	-0.05
78) Terphenyl-d14	12.65	244	521971	41.07	ng	-0.05

Target Compounds				Qvalue		
10) Phenol	6.22	94	21831	2.41	ng	95
19) n-Nitroso-di-n-propylamine	7.12	70	61838	12.81	ng	# 88
25) Isophorone	7.12	82	462953	34.18	ng	# 67
49) Dimethylphthalate	9.31	163	161400	10.27	ng	97
56) 2,4-Dinitrotoluene	9.58	165	26539	6.06	ng	# 33
66) 4-Bromophenyl-phenylether	10.37	248	9784	3.07	ng	# 1
70) Phenanthrene	11.08	178	201720	11.87	ng	98
71) Anthracene	11.13	178	43842	2.55	ng	95
74) Fluoranthene	12.26	202	256803	15.79	ng	98
77) Pyrene	12.49	202	239870	11.99	ng	99
80) Benzo(a)anthracene	13.67	228	109944	8.01	ng	97
82) Chrysene	13.71	228	103522	7.66	ng	97
85) Indeno(1,2,3-cd)pyrene	16.30	276	49632	7.13	ng	97
87) Benzo(b)fluoranthene	14.67	252	159295	12.57	ng	96
88) Benzo(k)fluoranthene	14.67	252	159295	13.28	ng	96
89) Benzo(a)pyrene	14.99	252	96005	8.26	ng	97

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

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E2-06-BASE

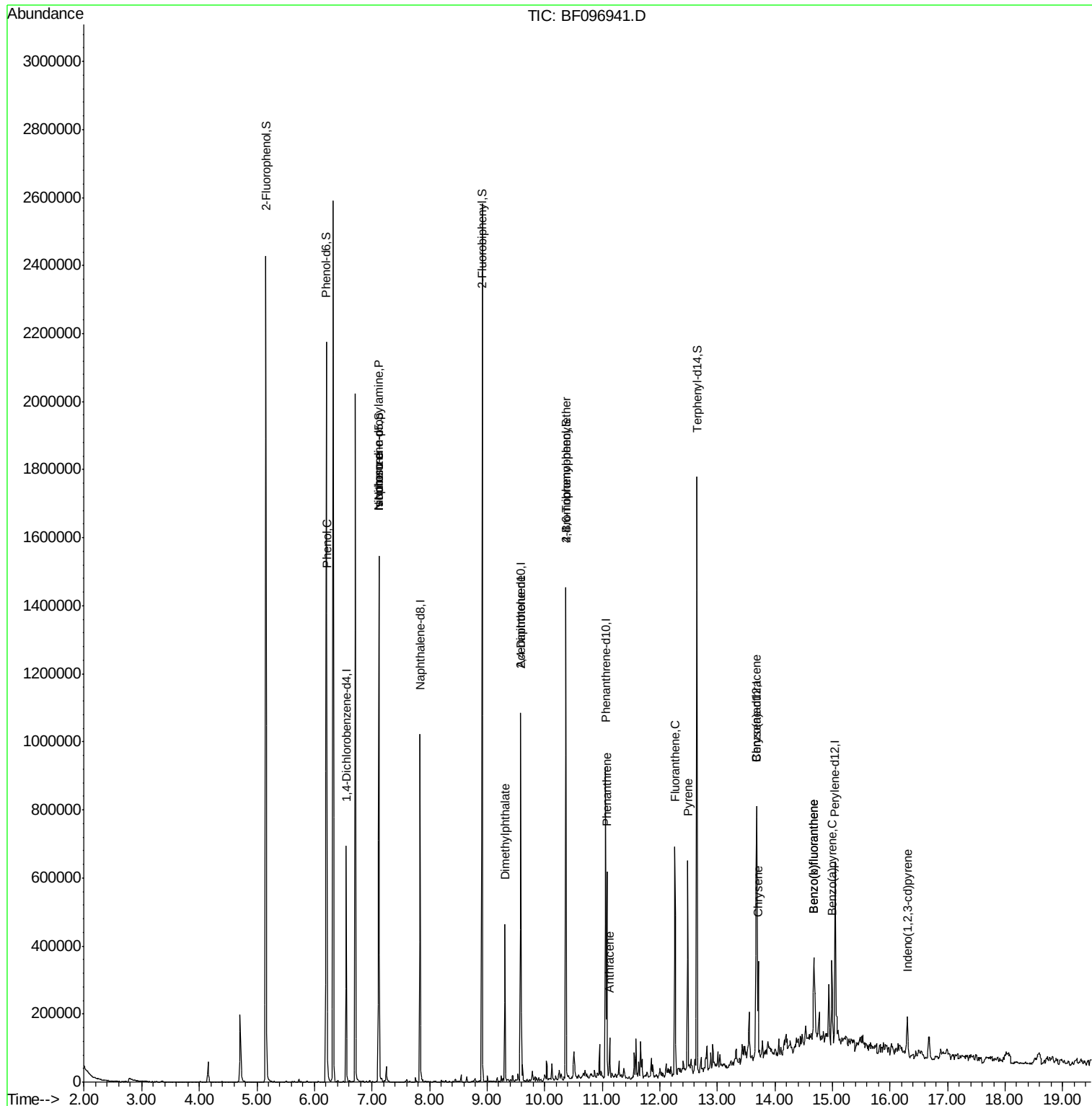
Quant Time: Jul 21 23:09:40 2017

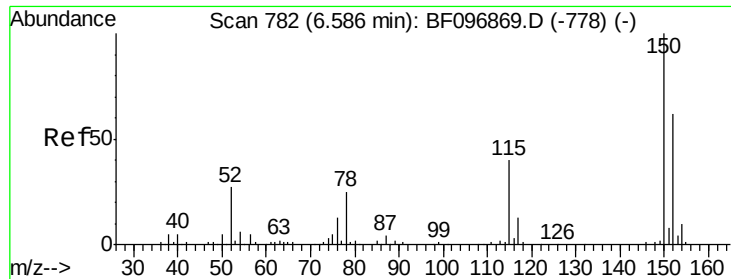
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 18 13:33:22 2017

Response via : Initial Calibration

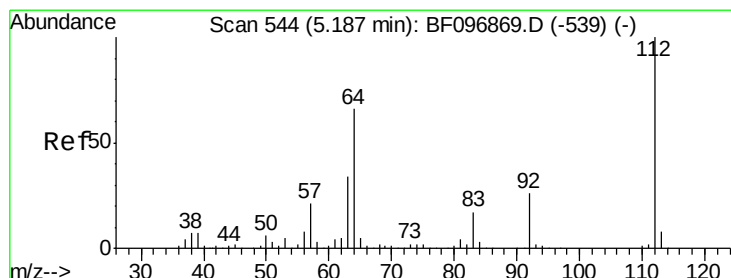
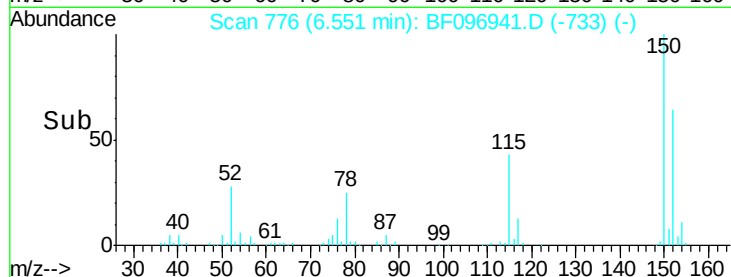
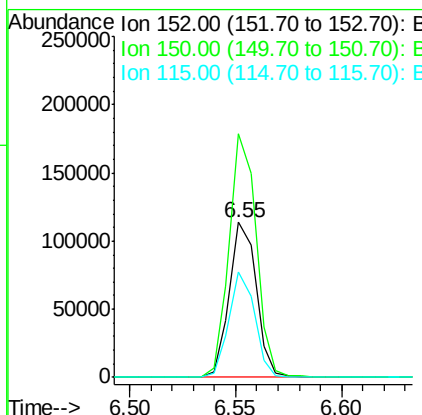
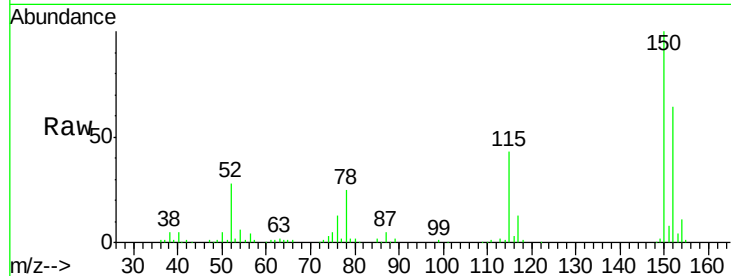




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 776
 Delta R.T. -0.05 min
 Lab File: BF096941.D
 Acq: 21 Jul 2017 13:50

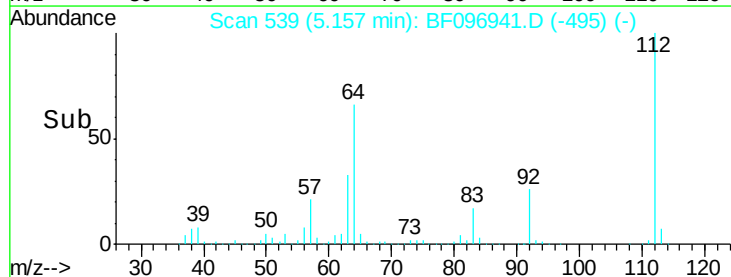
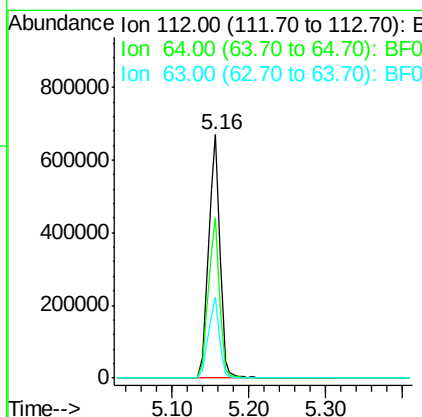
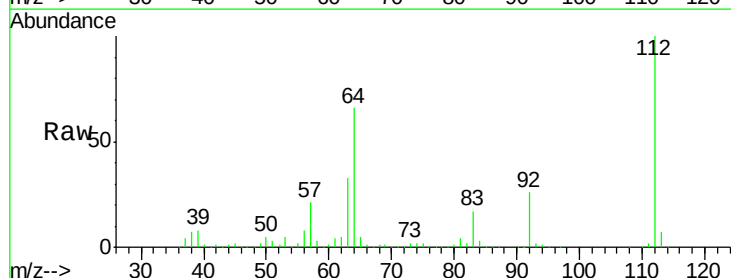
Instrument :
 BNA_F
 ClientSampleId :
 E2-06-BASE

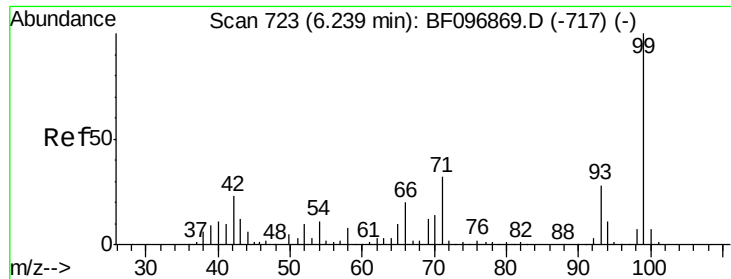
Tgt Ion:152 Resp: 100432
 Ion Ratio Lower Upper
 152 100
 150 157.3 126.2 189.2
 115 68.4 52.2 78.2



#5
 2-Fluorophenol
 Concen: 101.55 ng
 RT: 5.16 min Scan# 539
 Delta R.T. -0.04 min
 Lab File: BF096941.D
 Acq: 21 Jul 2017 13:50

Tgt Ion:112 Resp: 678329
 Ion Ratio Lower Upper
 112 100
 64 65.6 46.0 69.0
 63 33.4 23.4 35.0





#7

Phenol-d6

Concen: 97.30 ng

RT: 6.21 min Scan# 718

Delta R.T. -0.04 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Instrument :

BNA_F

ClientSampleId :

E2-06-BASE

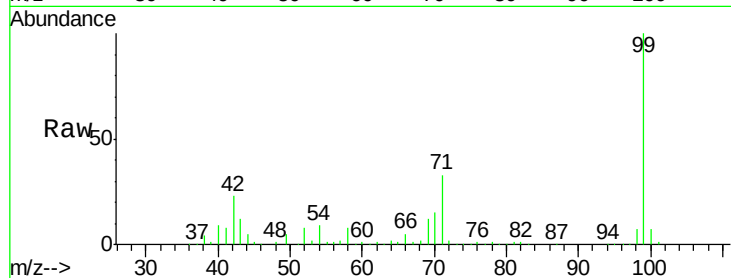
Tgt Ion: 99 Resp: 779893

Ion Ratio Lower Upper

99 100

42 23.0 13.5 20.3#

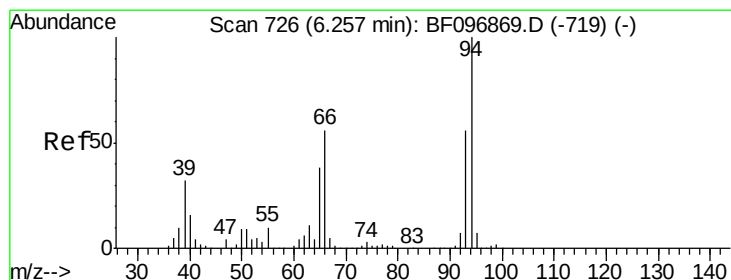
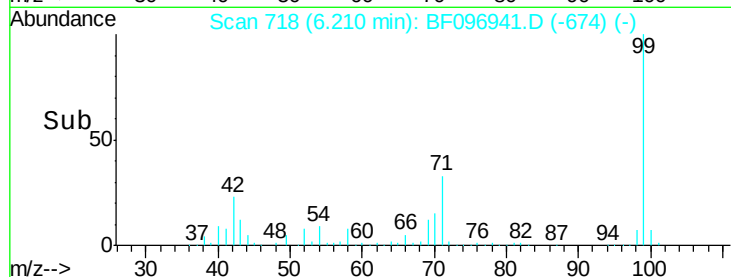
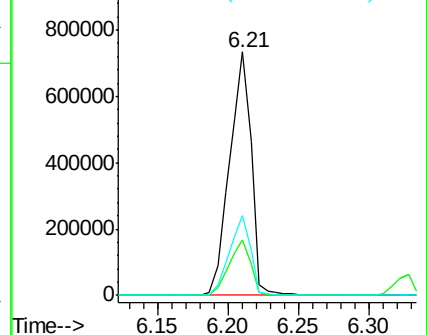
71 32.9 24.5 36.7



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: 2.41 ng

RT: 6.22 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

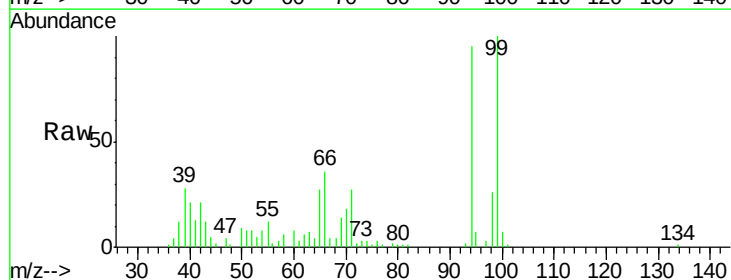
Tgt Ion: 94 Resp: 21831

Ion Ratio Lower Upper

94 100

65 28.9 9.9 49.9

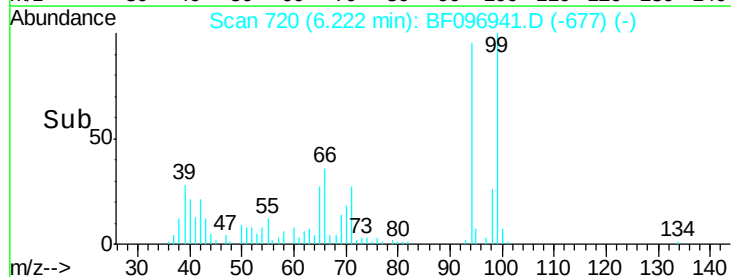
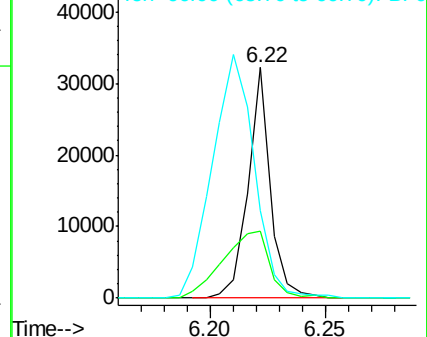
66 38.1 23.1 63.1

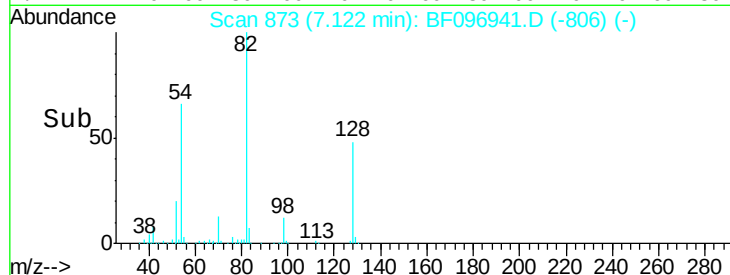
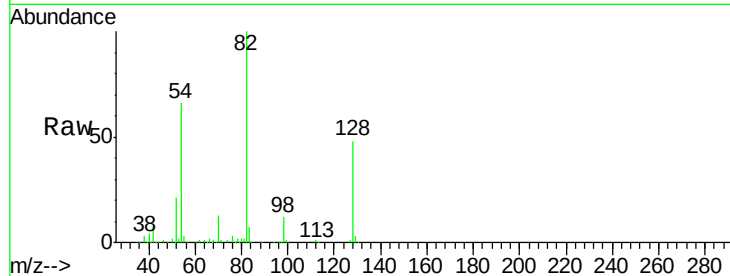
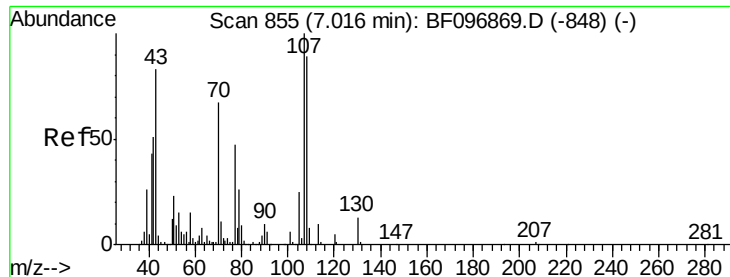


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

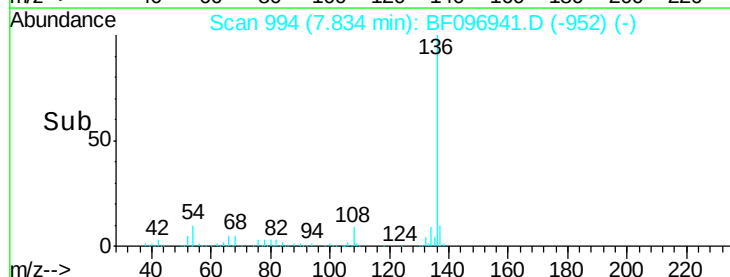
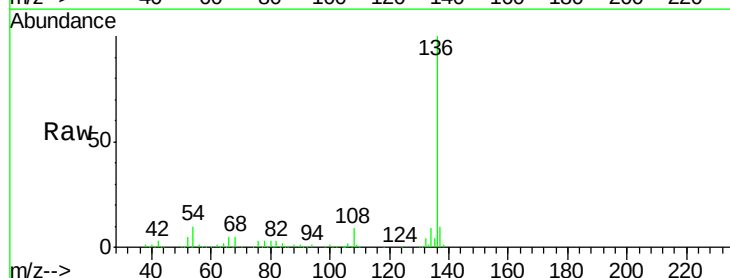
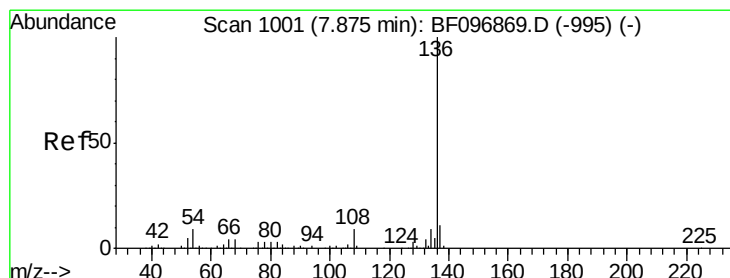
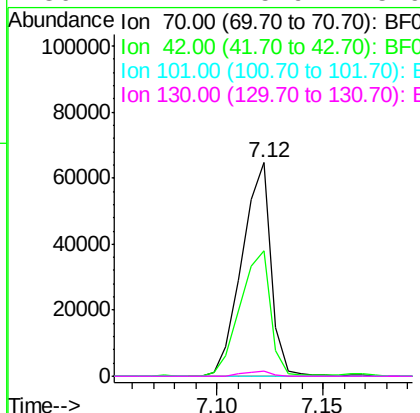




#19
n-Nitroso-di-n-propylamine
Concen: 12.81 ng
RT: 7.12 min Scan# 873
Delta R.T. 0.09 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

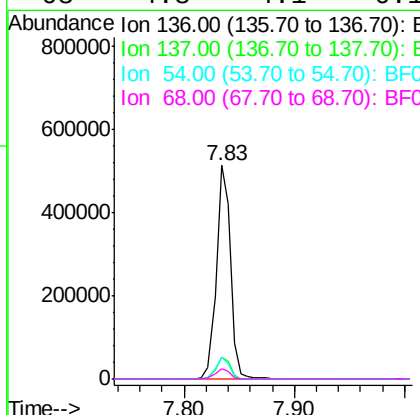
Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

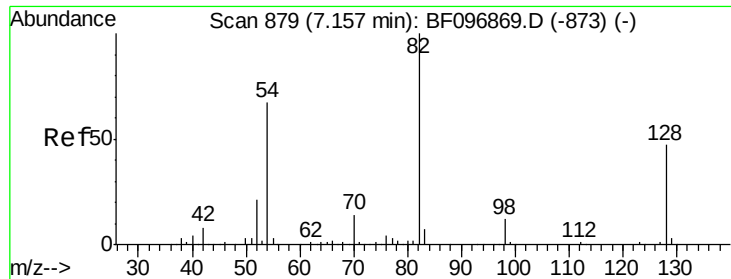
Tgt Ion: 70 Resp: 61838
Ion Ratio Lower Upper
70 100
42 58.5 47.2 70.8
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 994
Delta R.T. -0.05 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Tgt Ion: 136 Resp: 450985
Ion Ratio Lower Upper
136 100
137 10.2 8.5 12.7
54 10.5 4.9 7.3#
68 4.8 4.1 6.1

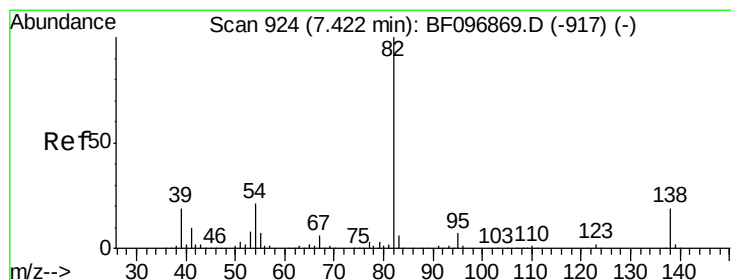
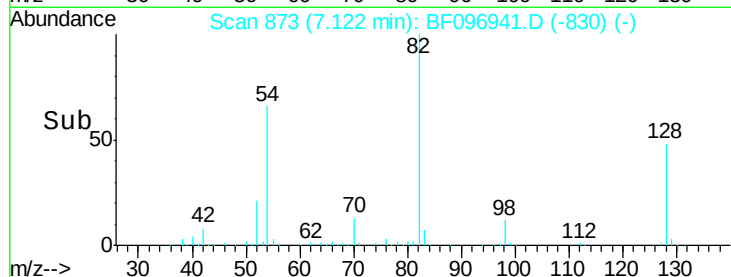
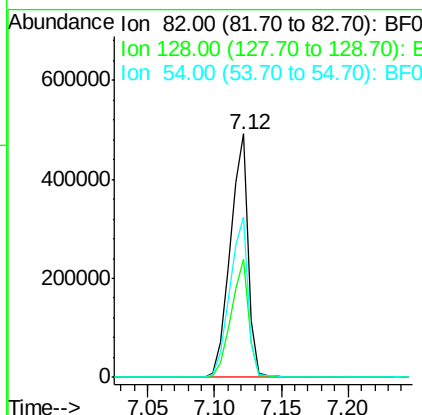
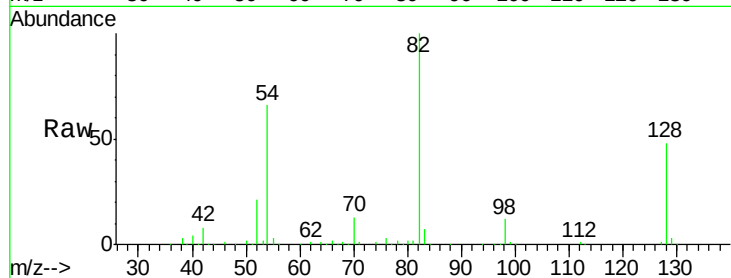




#23
 Nitrobenzene-d5
 Concen: 64.24 ng
 RT: 7.12 min Scan# 873
 Delta R.T. -0.05 min
 Lab File: BF096941.D
 Acq: 21 Jul 2017 13:50

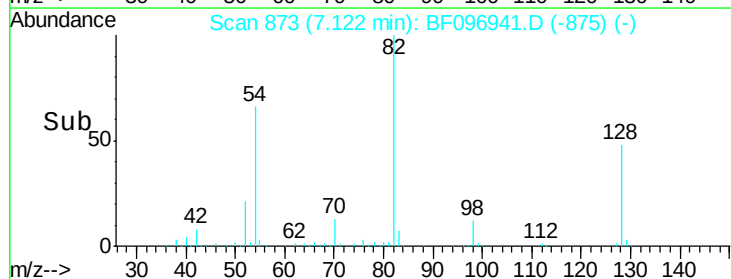
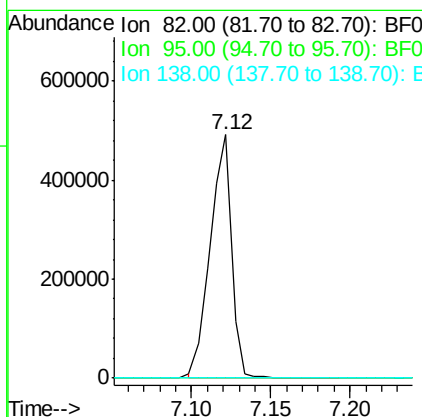
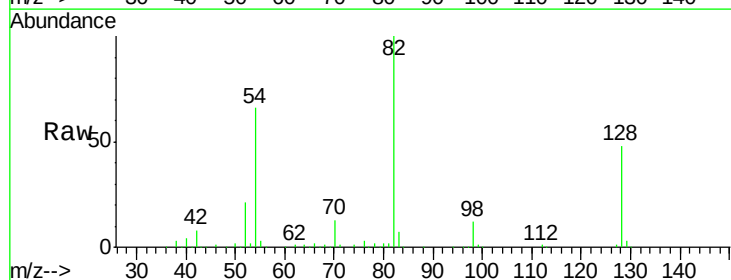
Instrument :
 BNA_F
 ClientSampleId :
 E2-06-BASE

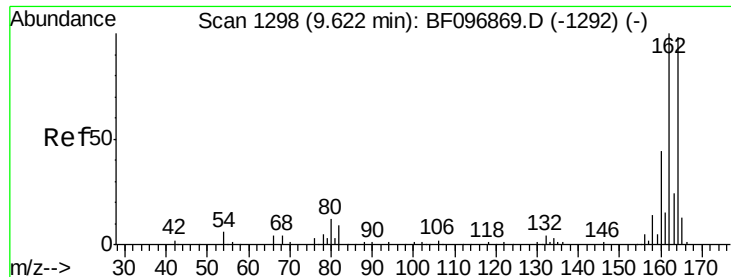
Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.4	34.0	51.0
54	65.9	42.2	63.2#



#25
 Isophorone
 Concen: 34.18 ng
 RT: 7.12 min Scan# 873
 Delta R.T. -0.31 min
 Lab File: BF096941.D
 Acq: 21 Jul 2017 13:50

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

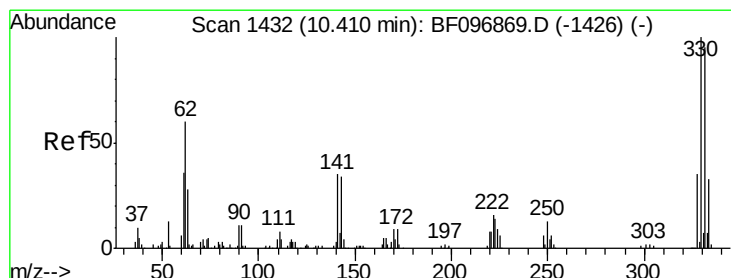
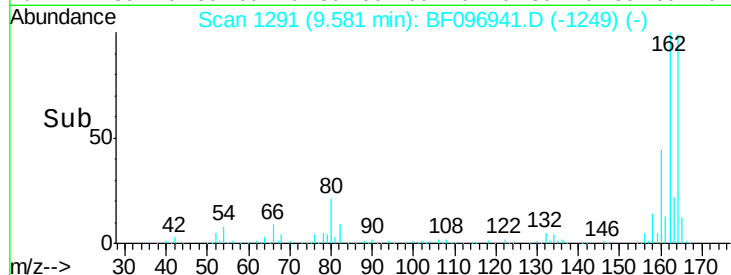
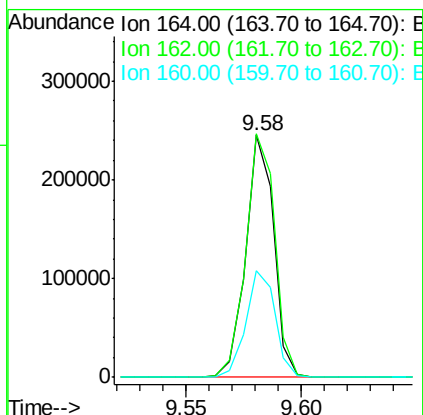
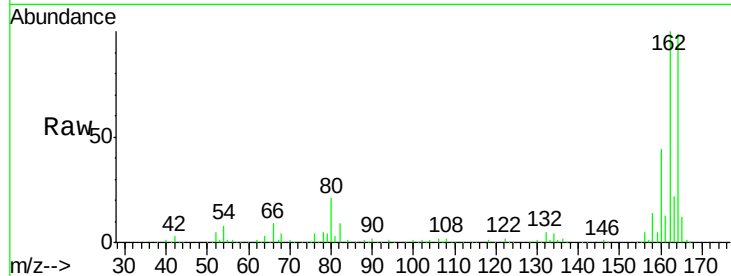




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 1291
 Delta R.T. -0.05 min
 Lab File: BF096941.D
 Acq: 21 Jul 2017 13:50

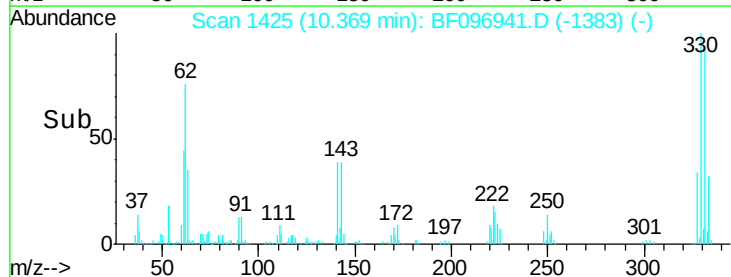
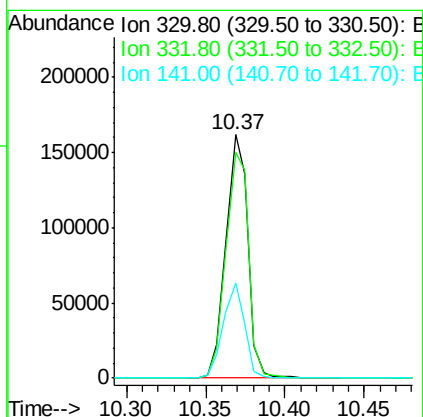
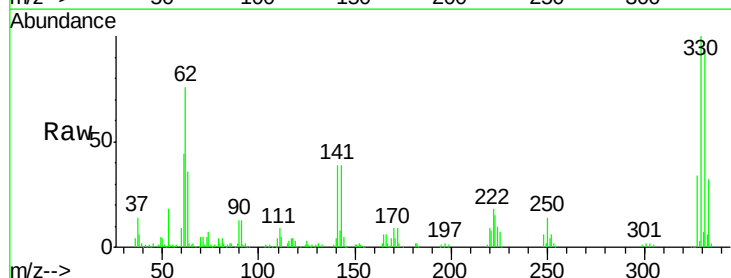
Instrument :
 BNA_F
 ClientSampleId :
 E2-06-BASE

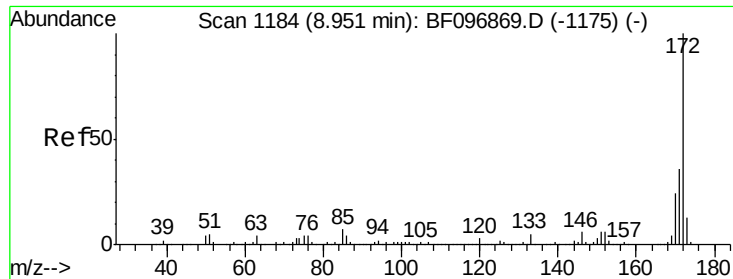
Tgt Ion:164 Resp: 208795
 Ion Ratio Lower Upper
 164 100
 162 100.5 82.6 123.8
 160 43.9 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 87.50 ng
 RT: 10.37 min Scan# 1425
 Delta R.T. -0.05 min
 Lab File: BF096941.D
 Acq: 21 Jul 2017 13:50

Tgt Ion:330 Resp: 155949
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 115.0
 141 37.9 31.4 47.2

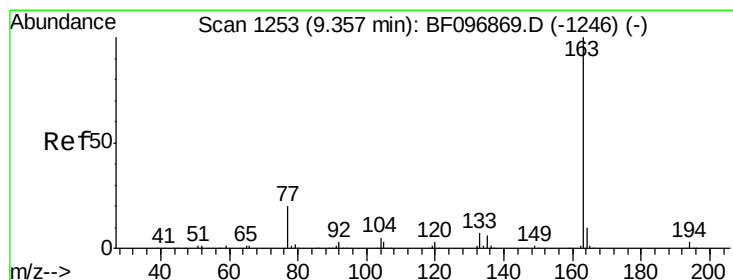
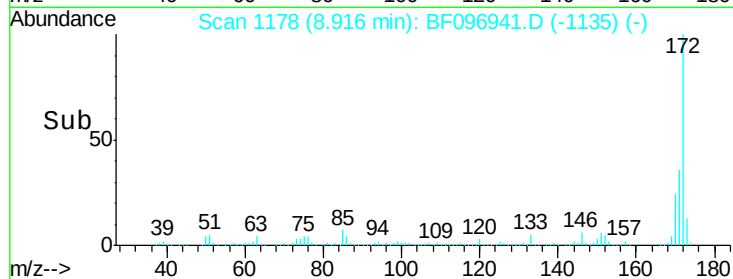
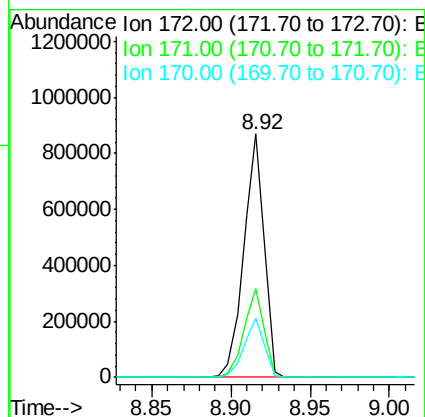
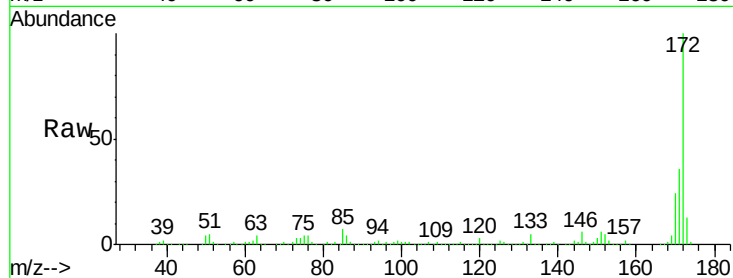




#44
2-Fluorobiphenyl
Concen: 57.82 ng
RT: 8.92 min Scan# 1178
Delta R.T. -0.05 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

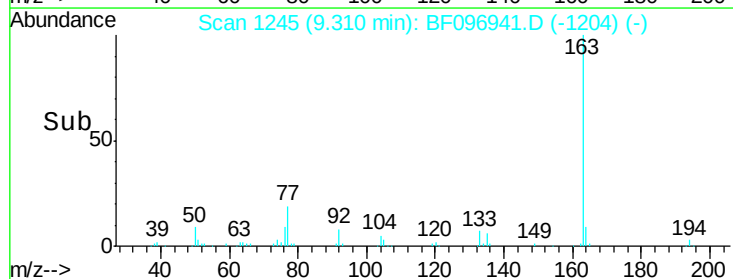
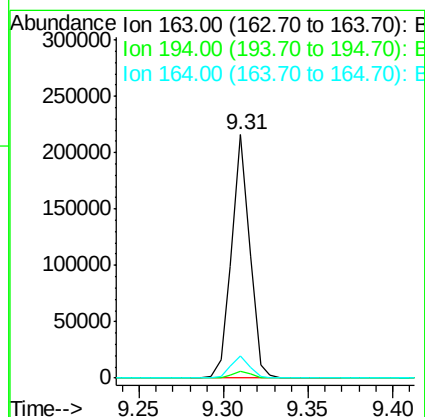
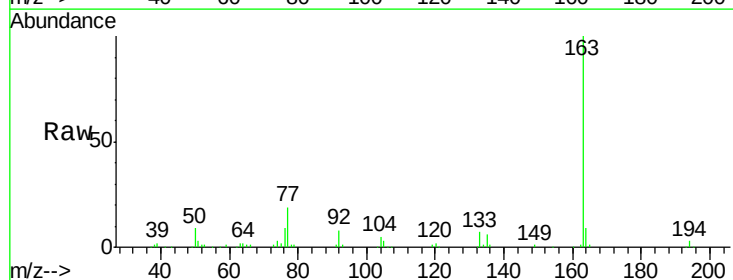
Instrument :
BNA_F
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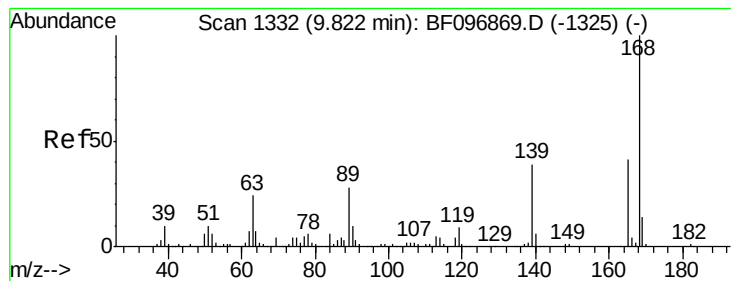
Tgt Ion:172 Resp: 764184
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.3 19.8 29.8



#49
Dimethylphthalate
Concen: 10.27 ng
RT: 9.31 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Tgt Ion:163 Resp: 161400
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 9.3 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.06 ng

RT: 9.58 min Scan# 1291

Delta R.T. -0.25 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Instrument :

BNA_F

ClientSampleId :

E2-06-BASE

Tgt Ion:165 Resp: 26539

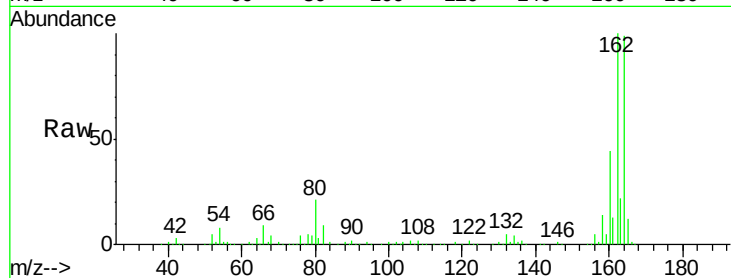
Ion Ratio Lower Upper

165 100

63 1.8 25.4 38.0#

89 1.2 46.4 69.6#

182 0.0 1.8 2.6#

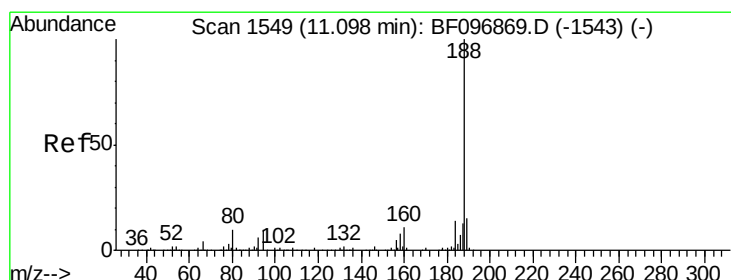
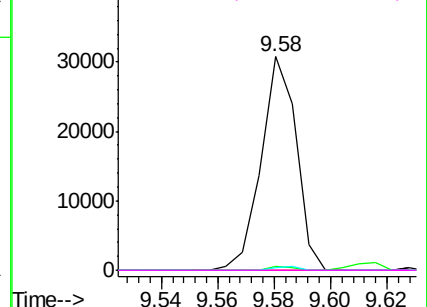
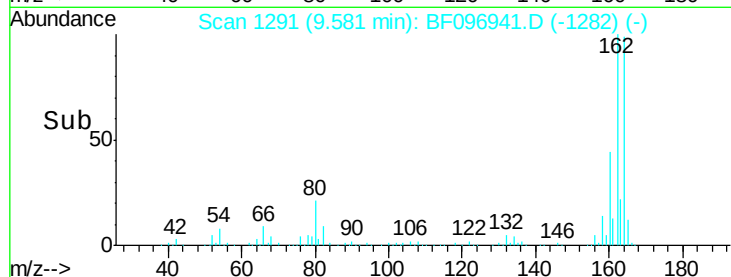


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.06 min Scan# 1542

Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

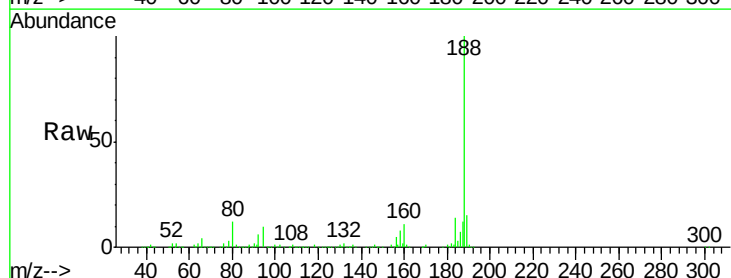
Tgt Ion:188 Resp: 312590

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.2

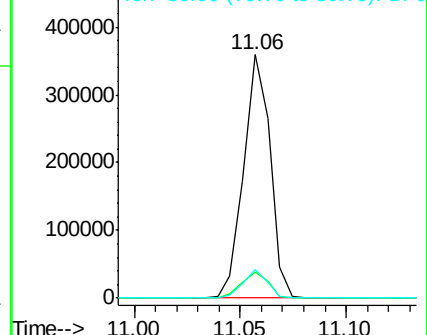
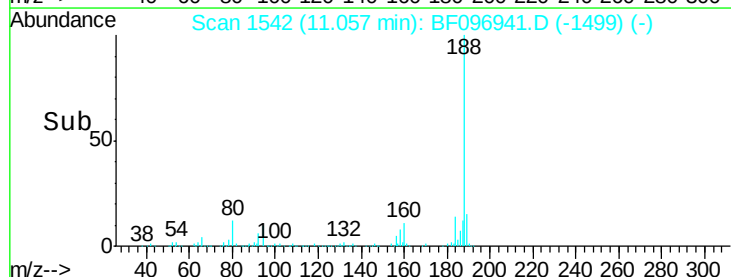
80 11.6 10.2 15.2

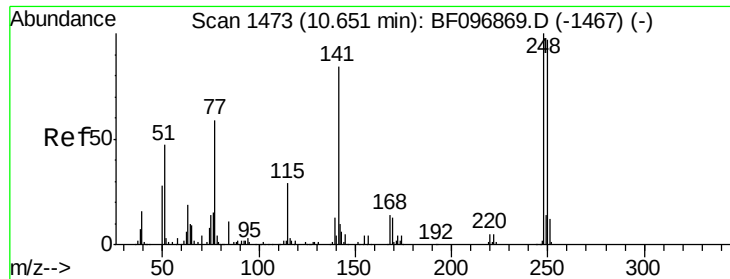


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

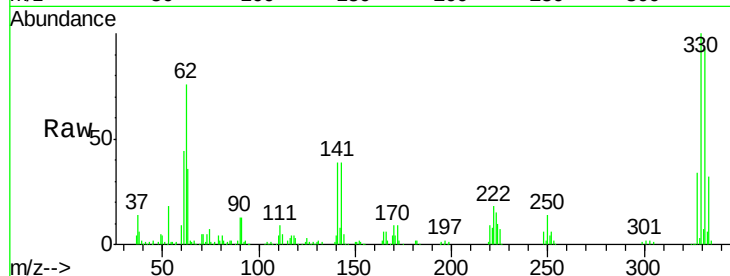




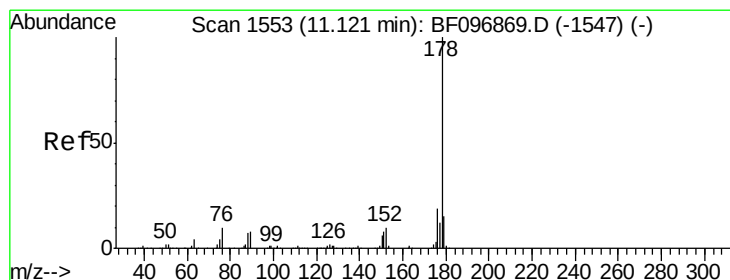
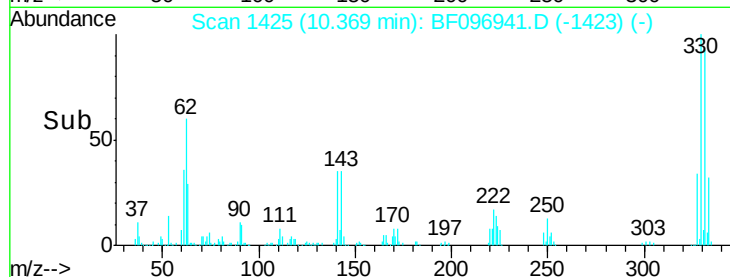
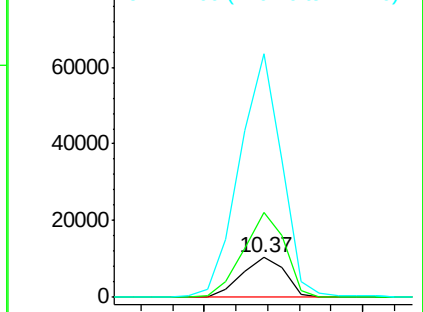
#66
 4-Bromophenyl-phenylether
 Concen: 3.07 ng
 RT: 10.37 min Scan# 1425
 Delta R.T. -0.29 min
 Lab File: BF096941.D
 Acq: 21 Jul 2017 13:50

Instrument :
 BNA_F
 ClientSampleId :
 E2-06-BASE

Tgt Ion:248 Resp: 9784
 Ion Ratio Lower Upper
 248 100
 250 214.1 76.8 115.2#
 141 614.9 68.6 103.0#

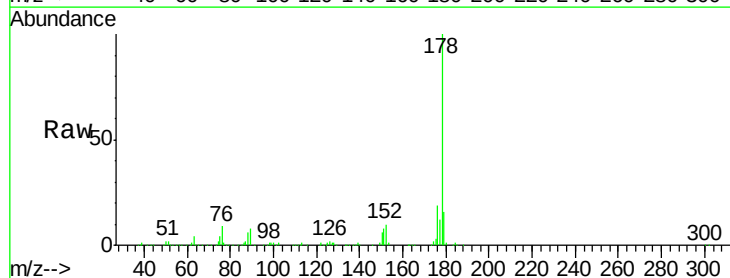


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

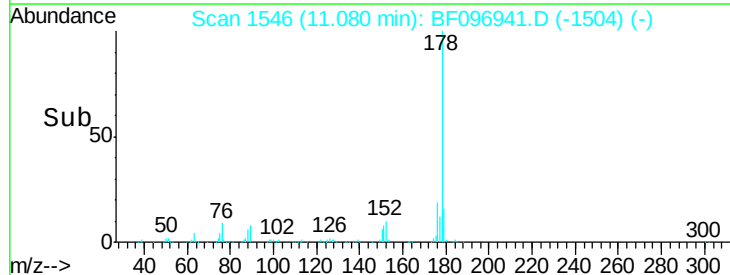
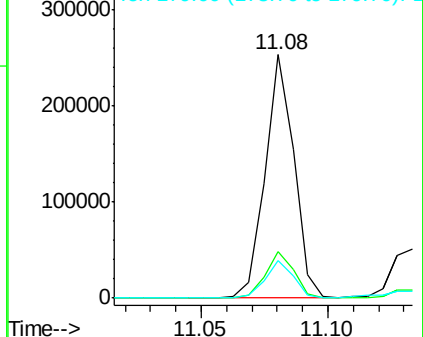


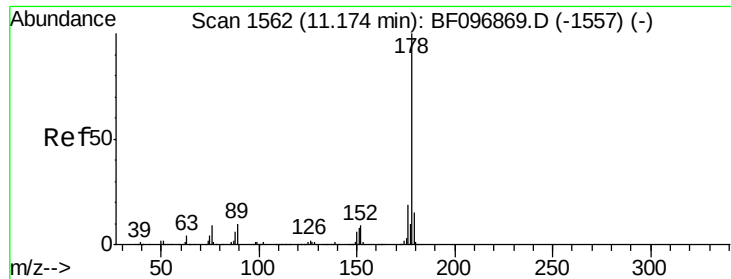
#70
 Phenanthrene
 Concen: 11.87 ng
 RT: 11.08 min Scan# 1546
 Delta R.T. -0.05 min
 Lab File: BF096941.D
 Acq: 21 Jul 2017 13:50

Tgt Ion:178 Resp: 201720
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 15.5 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

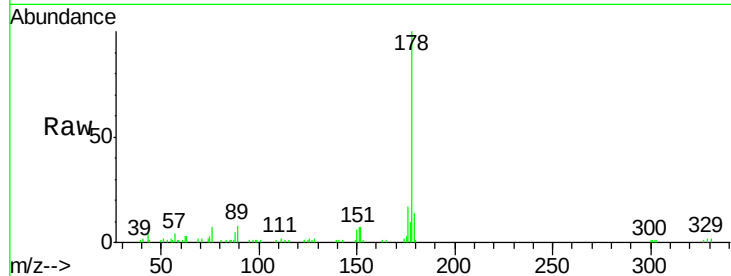




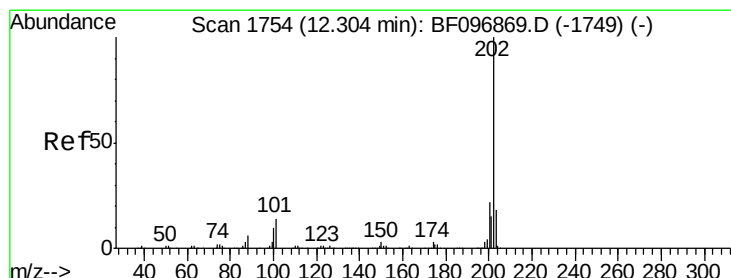
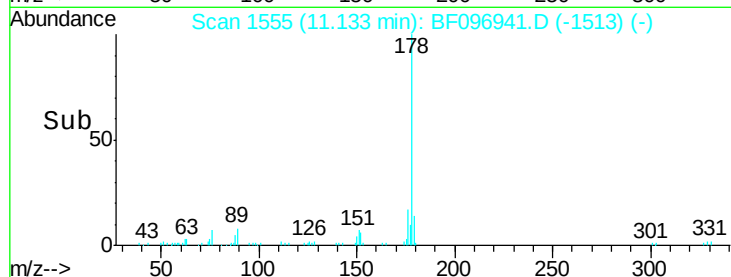
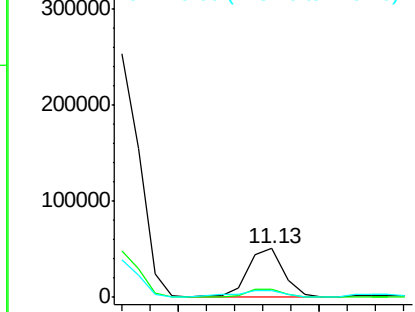
#71
 Anthracene
 Concen: 2.55 ng
 RT: 11.13 min Scan# 1555
 Delta R.T. -0.05 min
 Lab File: BF096941.D
 Acq: 21 Jul 2017 13:50

Instrument :
 BNA_F
 ClientSampleId :
 E2-06-BASE

Tgt Ion:178 Resp: 43842
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.8 23.8
 179 13.8 12.7 19.1

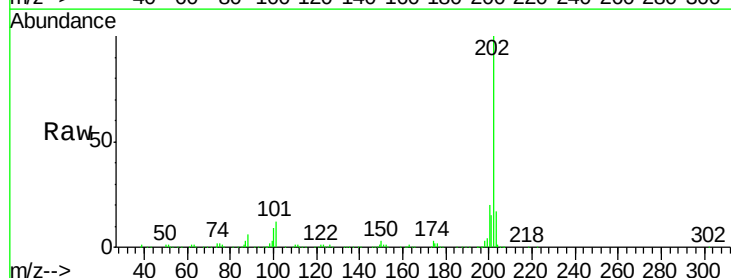


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

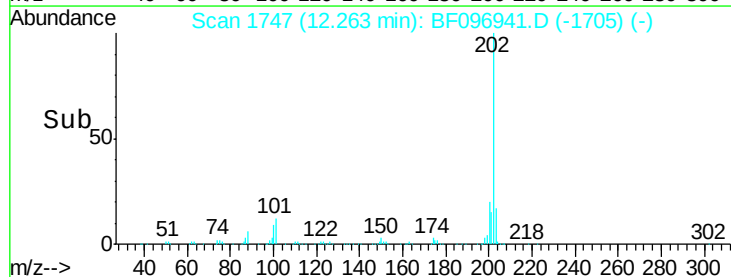
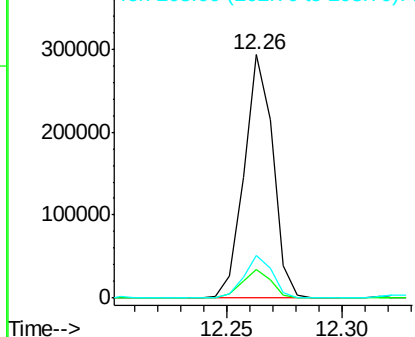


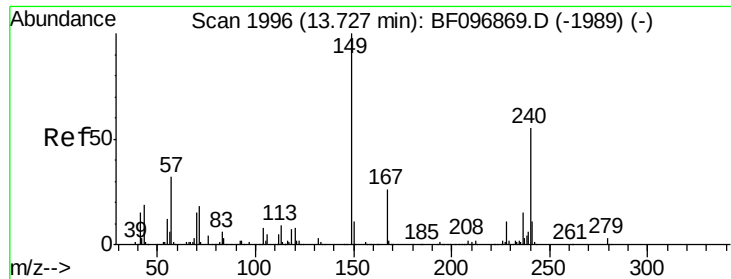
#74
 Fluoranthene
 Concen: 15.79 ng
 RT: 12.26 min Scan# 1747
 Delta R.T. -0.05 min
 Lab File: BF096941.D
 Acq: 21 Jul 2017 13:50

Tgt Ion:202 Resp: 256803
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 33.2
 203 17.5 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: 13.69 min Scan# 1989

Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Instrument :

BNA_F

ClientSampleId :

E2-06-BASE

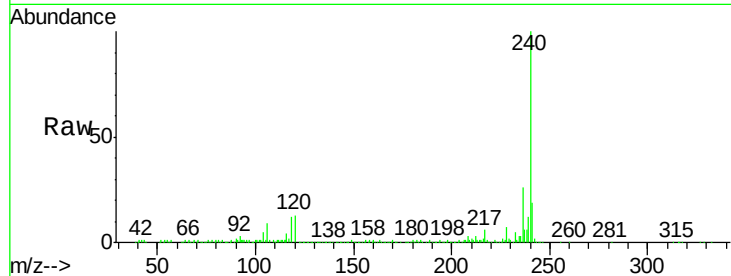
Tgt Ion:240 Resp: 220424

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

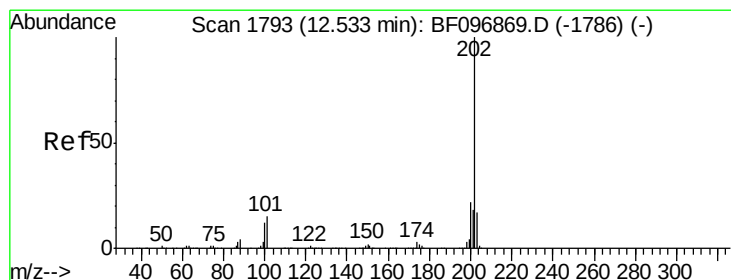
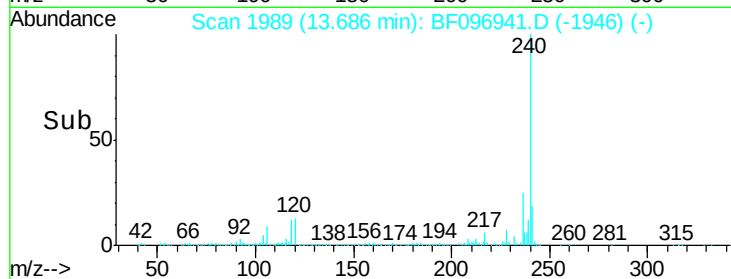
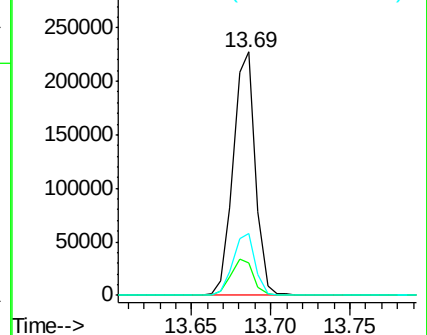
236 25.7 20.5 30.7



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: 11.99 ng

RT: 12.49 min Scan# 1785

Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

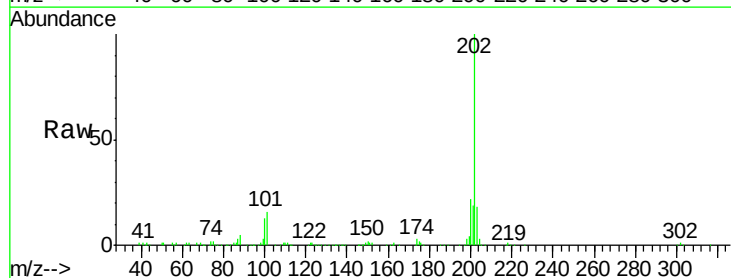
Tgt Ion:202 Resp: 239870

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

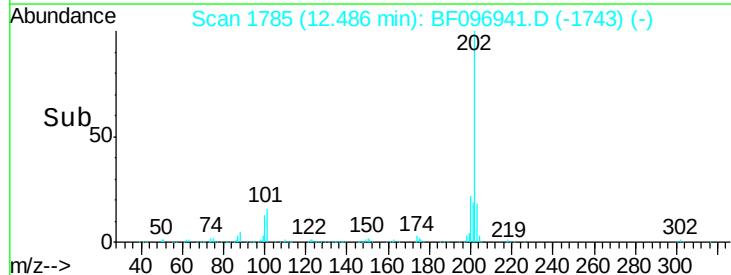
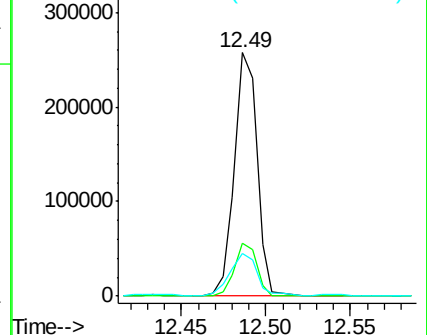
203 17.6 14.4 21.6

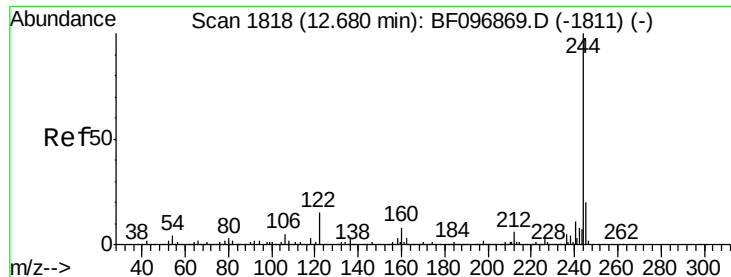


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 41.07 ng

RT: 12.65 min Scan# 1812

Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

Instrument :

BNA_F

ClientSampleId :

E2-06-BASE

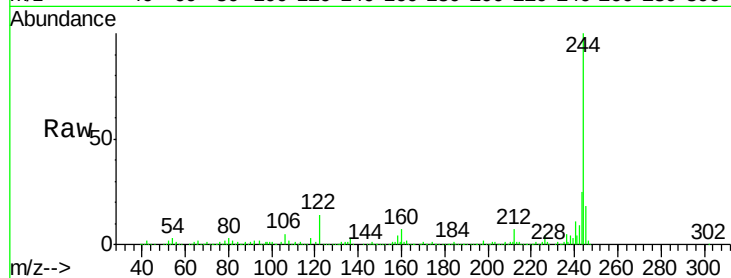
Tgt Ion:244 Resp: 521971

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

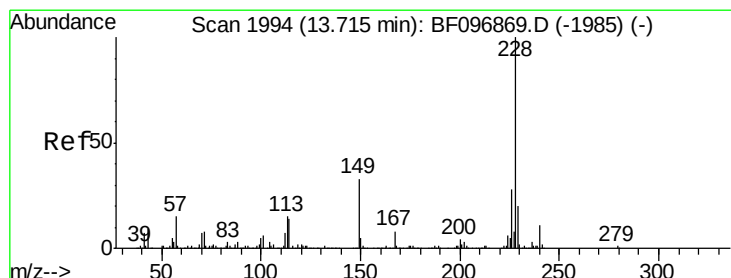
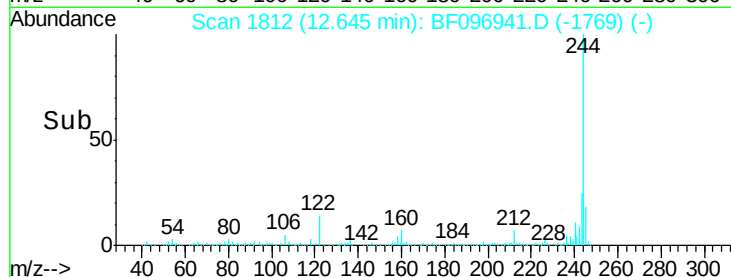
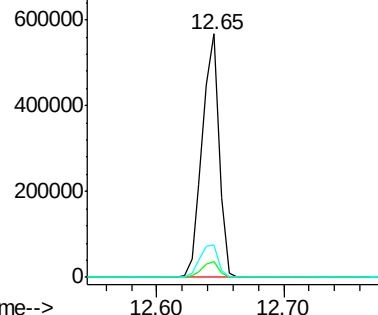
122 13.6 10.3 15.5



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: 8.01 ng

RT: 13.67 min Scan# 1987

Delta R.T. -0.05 min

Lab File: BF096941.D

Acq: 21 Jul 2017 13:50

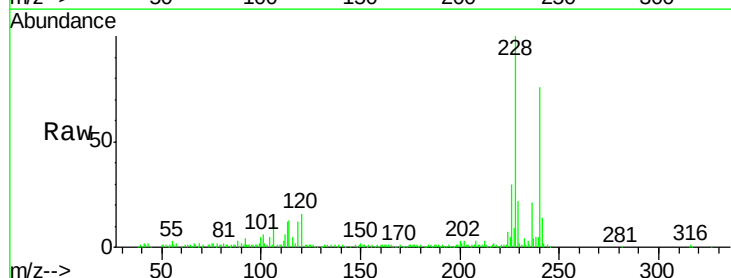
Tgt Ion:228 Resp: 109944

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

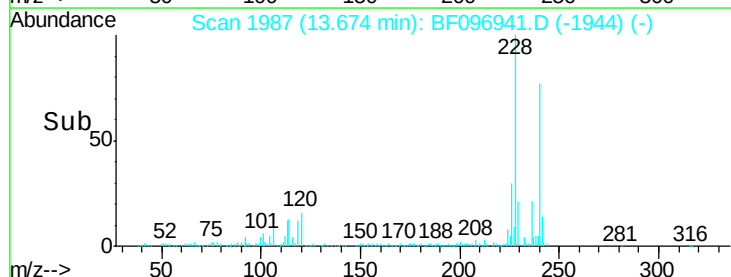
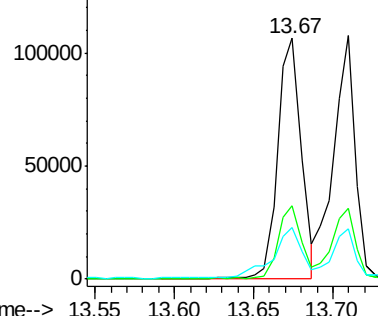
229 21.5 16.3 24.5

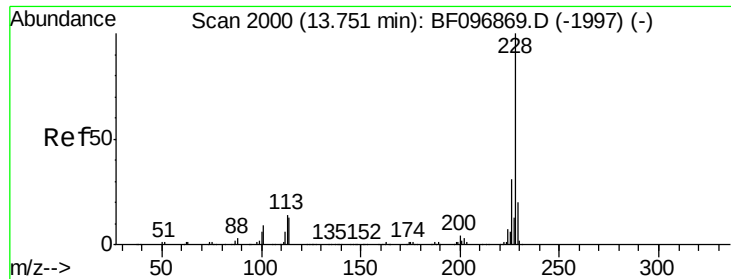


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

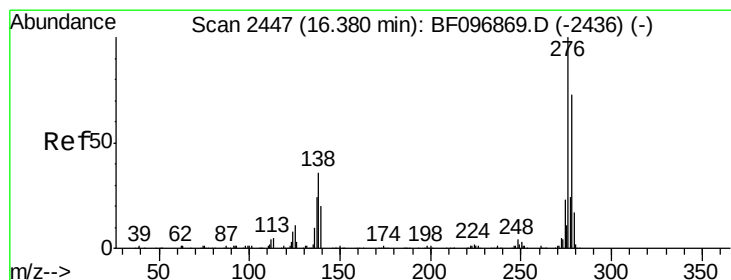
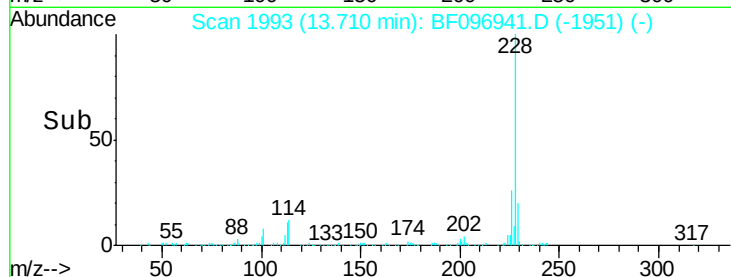
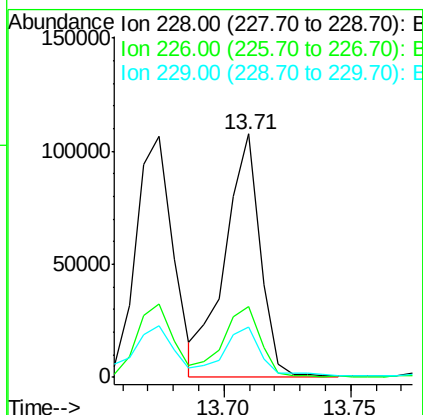
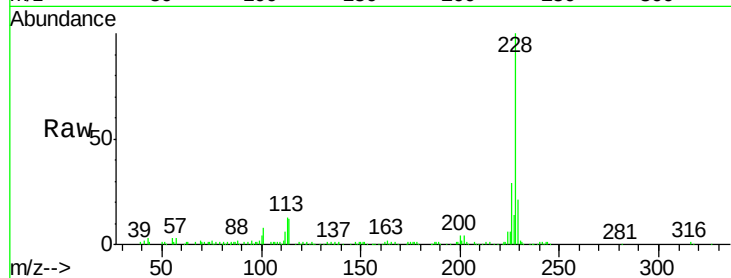




#82
Chrysene
Concen: 7.66 ng
RT: 13.71 min Scan# 1993
Delta R.T. -0.05 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

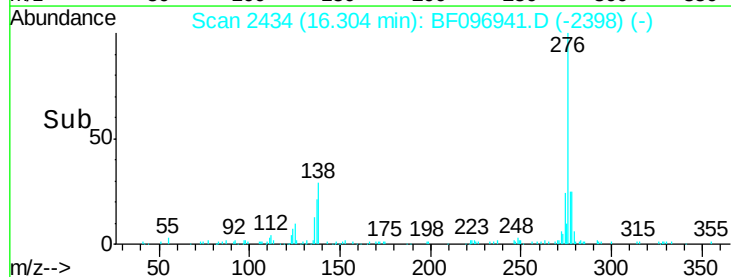
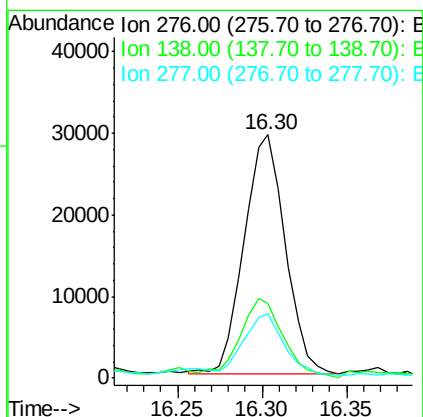
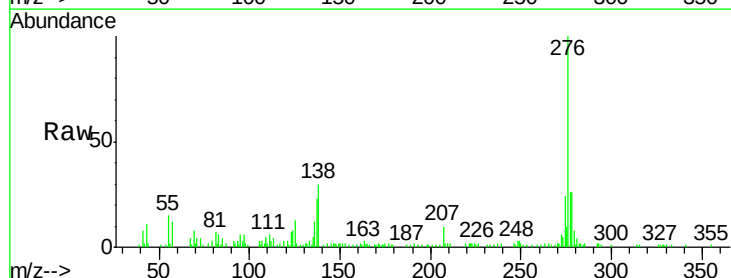
Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

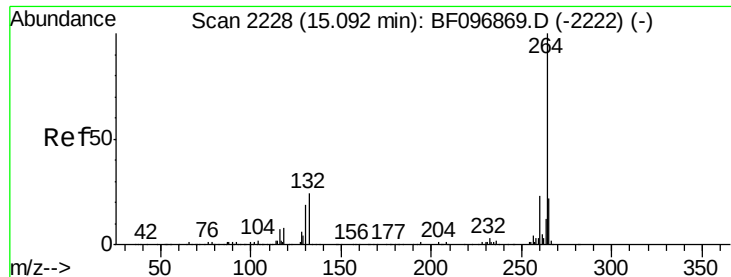
Tgt Ion: 228 Resp: 103522
Ion Ratio Lower Upper
228 100
226 29.1 24.9 37.3
229 20.7 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.13 ng
RT: 16.30 min Scan# 2434
Delta R.T. -0.09 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Tgt Ion: 276 Resp: 49632
Ion Ratio Lower Upper
276 100
138 35.5 27.8 41.6
277 28.1 20.2 30.4

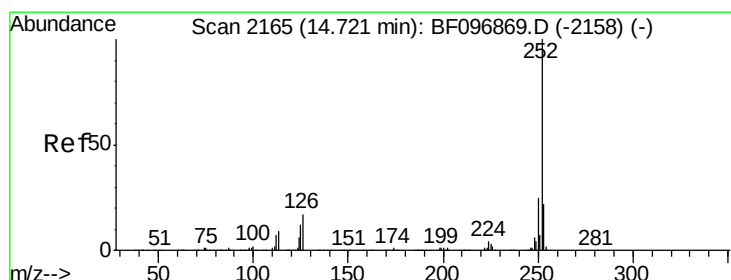
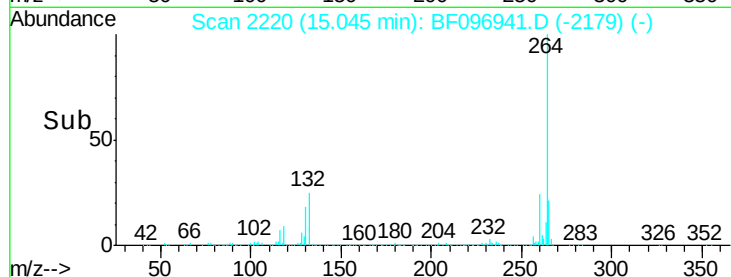
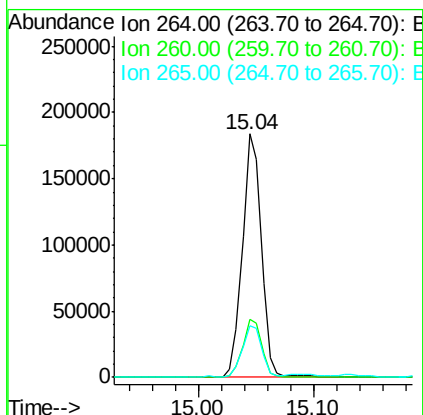
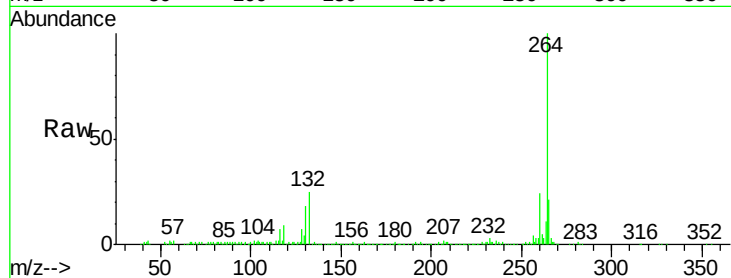




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 2220
Delta R.T. -0.06 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

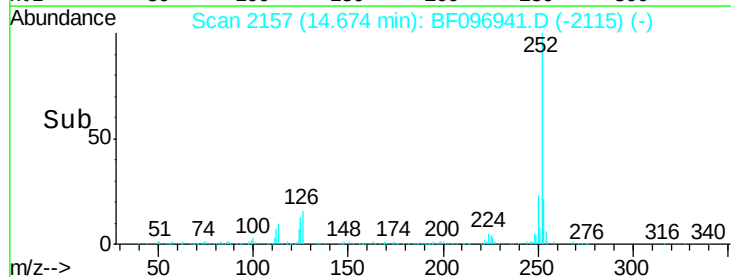
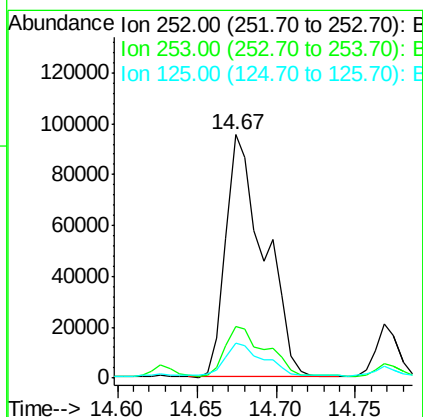
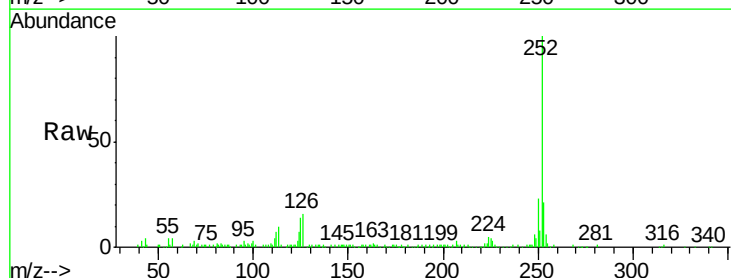
Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

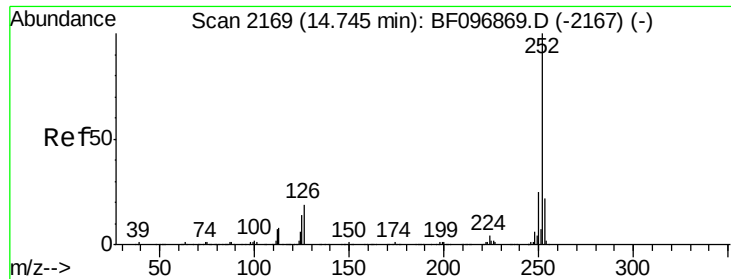
Tgt Ion: 264 Resp: 210050
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 21.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 12.57 ng
RT: 14.67 min Scan# 2157
Delta R.T. -0.05 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Tgt Ion: 252 Resp: 159295
Ion Ratio Lower Upper
252 100
253 21.1 18.1 27.1
125 14.2 9.8 14.8

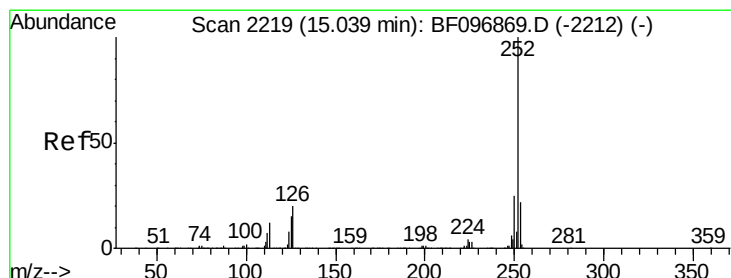
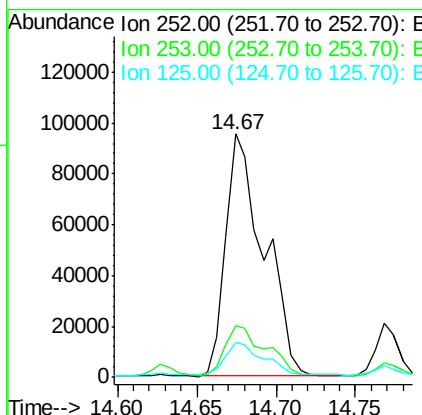
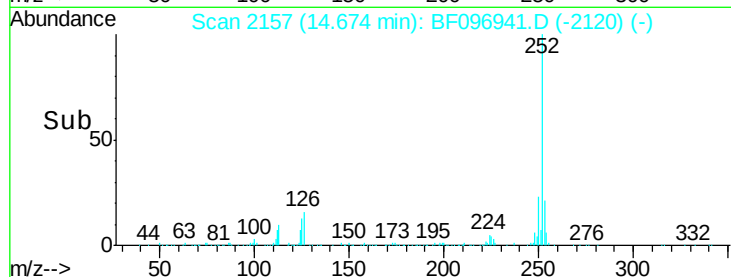
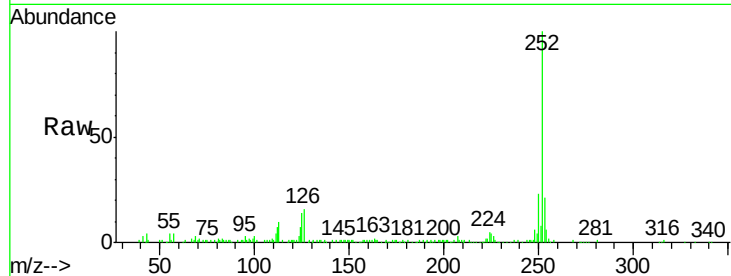




#88
Benzo(k)fluoranthene
Concen: 13.28 ng
RT: 14.67 min Scan# 2157
Delta R.T. -0.08 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.4	27.6
125	14.2	13.1	19.7



#89
Benzo(a)pyrene
Concen: 8.26 ng
RT: 14.99 min Scan# 2211
Delta R.T. -0.06 min
Lab File: BF096941.D
Acq: 21 Jul 2017 13:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	16.0	11.0	16.4

