

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070617\
 Data File : BF096539.D
 Acq On : 6 Jul 2017 17:59
 Operator : SJ/MA
 Sample : I3999-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 07 01:22:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	114584	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	486522	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	188705	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	267563	20.00	ng	0.00
75) Chrysene-d12	13.86	240	249895	20.00	ng	0.00
86) Perylene-d12	15.28	264	188801	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	832415	107.22	ng	0.01
7) Phenol-d6	6.36	99	1060209	111.09	ng	0.00
23) Nitrobenzene-d5	7.27	82	566119	69.92	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	146593	99.45	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	983872	89.14	ng	0.00
78) Terphenyl-d14	12.82	244	617932	52.84	ng	0.00

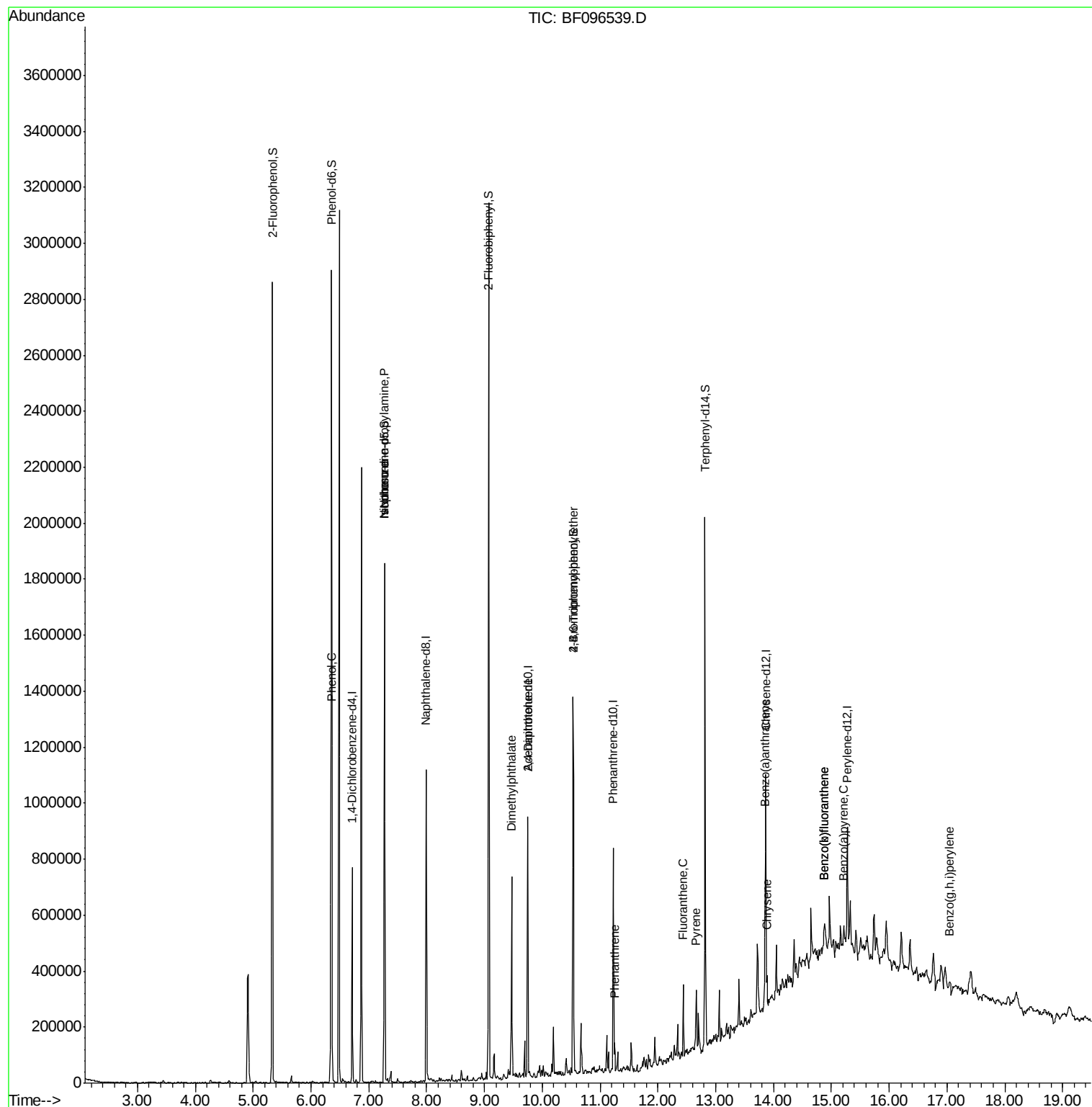
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	27269	2.51	ng	90
19) n-Nitroso-di-n-propylamine	7.27	70	74528	13.11	ng	# 88
25) Isophorone	7.27	82	562699	35.84	ng	# 67
49) Dimethylphthalate	9.47	163	281603	19.99	ng	98
56) 2,4-Dinitrotoluene	9.75	165	24853	6.30	ng	# 34
66) 4-Bromophenyl-phenylether	10.53	248	9372	3.60	ng	# 1
70) Phenanthrene	11.25	178	33767	2.33	ng	96
74) Fluoranthene	12.44	202	93720	6.61	ng	99
77) Pyrene	12.66	202	89110	4.44	ng	98
80) Benzo(a)anthracene	13.85	228	49299	3.41	ng	97
82) Chrysene	13.89	228	46203	3.05	ng	97
87) Benzo(b)fluoranthene	14.87	252	64758	5.47	ng	# 84
88) Benzo(k)fluoranthene	14.87	252	64758	6.12	ng	# 89
89) Benzo(a)pyrene	15.22	252	33104	3.13	ng	# 76
91) Benzo(a,h,i)perylene	17.05	276	18568	2.16	ng	# 80

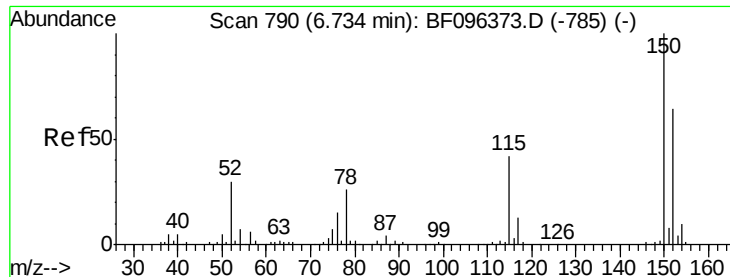
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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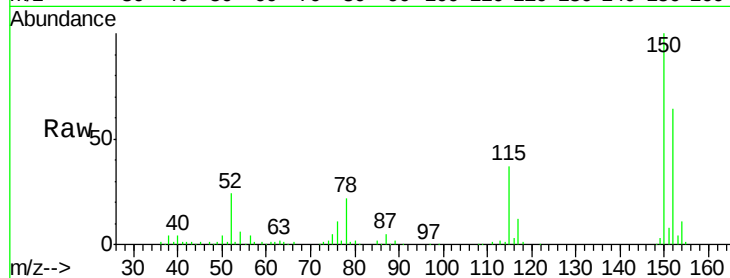


#1

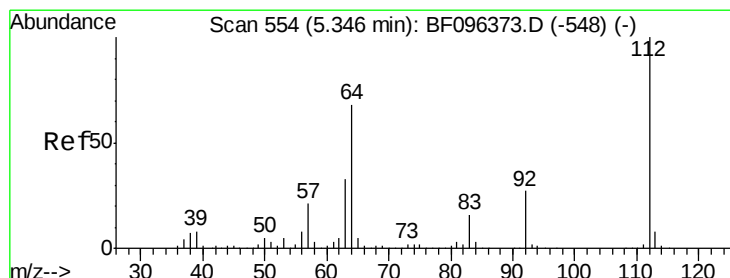
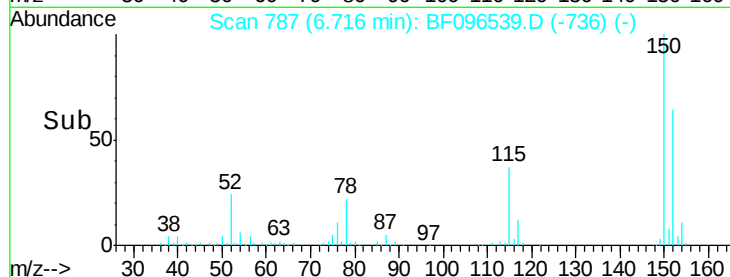
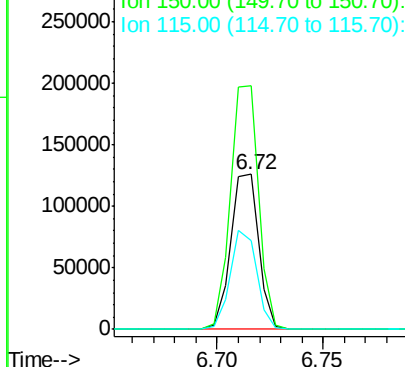
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114584
Ion Ratio Lower Upper
152 100
150 156.9 126.2 189.2
115 57.3 52.2 78.2



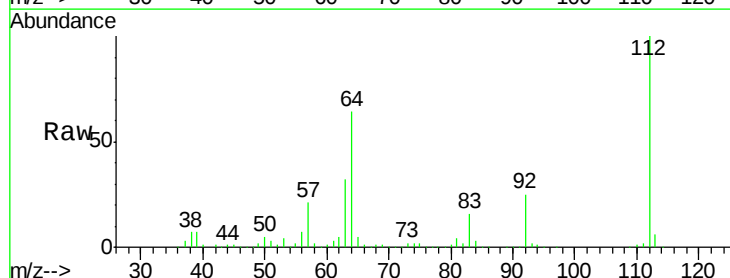
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



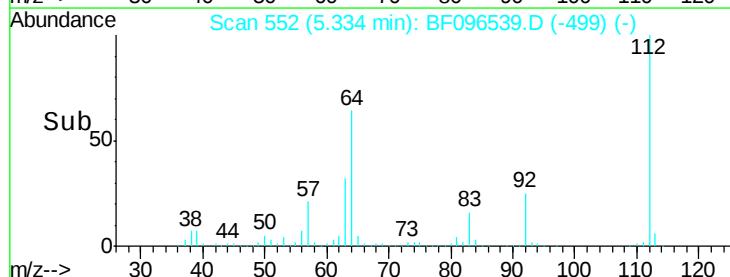
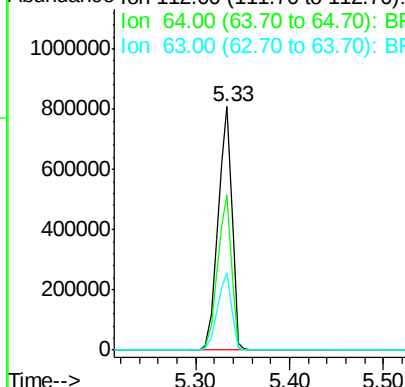
#5

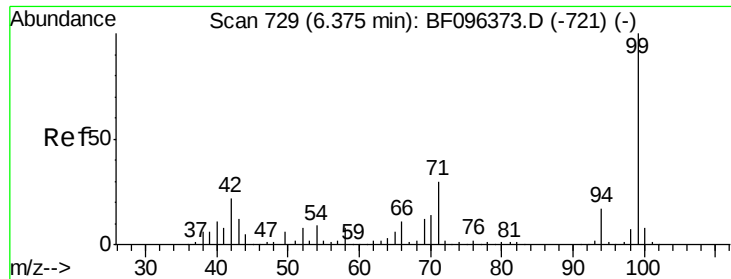
2-Fluorophenol
Concen: 107.22 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

Tgt Ion:112 Resp: 832415
Ion Ratio Lower Upper
112 100
64 63.5 46.0 69.0
63 32.0 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: 111.09 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF096539.D

Acq: 6 Jul 2017 17:59

Instrument :

BNA_F

ClientSampled :

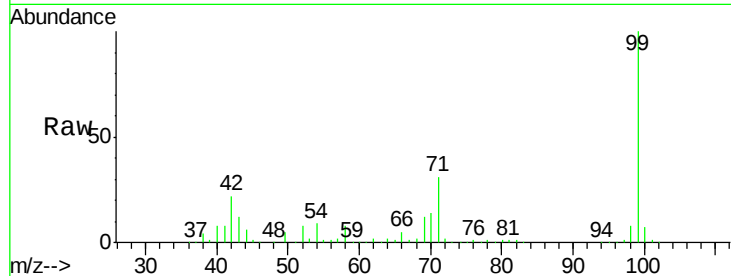
Tot Ion: 99 Resp: 1060209

Ion Ratio Lower Upper

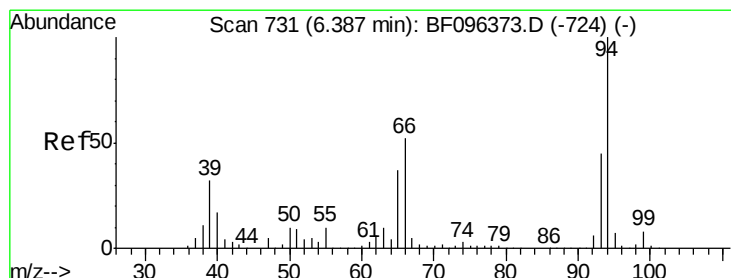
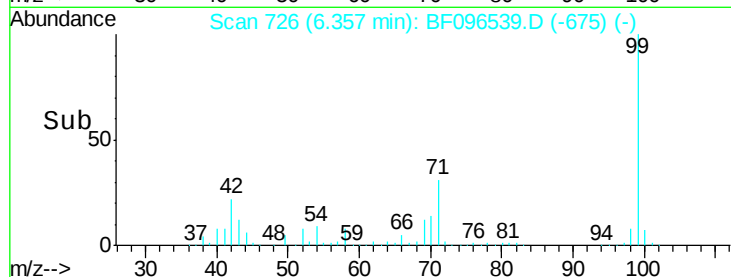
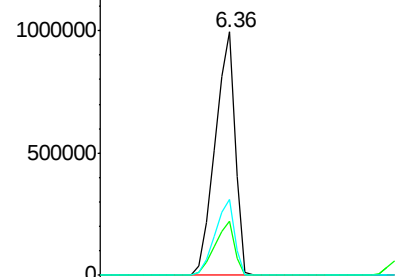
99 100

42 22.3 13.5 20.3#

71 31.4 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: 2.51 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF096539.D

Acq: 6 Jul 2017 17:59

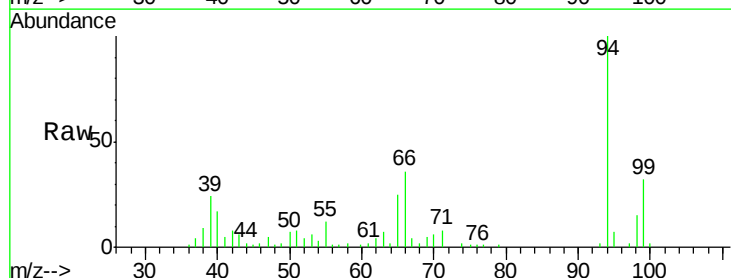
Tgt Ion: 94 Resp: 27269

Ion Ratio Lower Upper

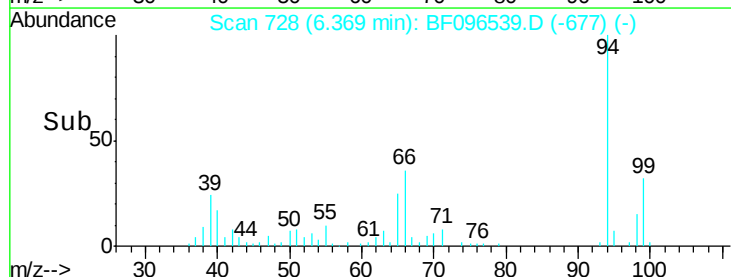
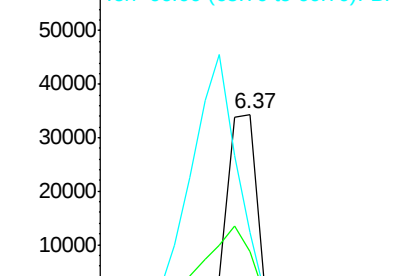
94 100

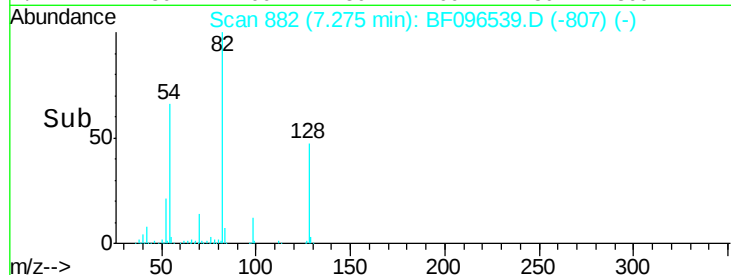
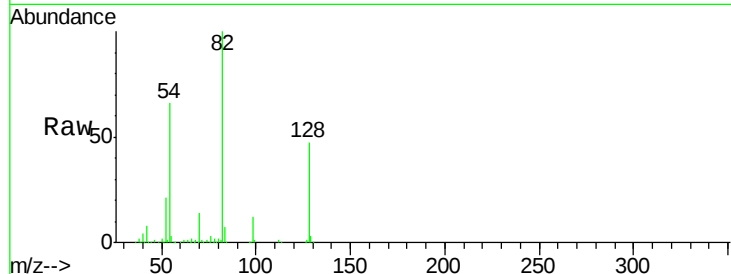
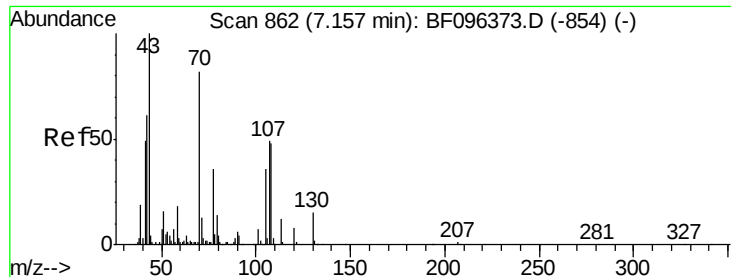
65 25.2 9.9 49.9

66 35.9 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

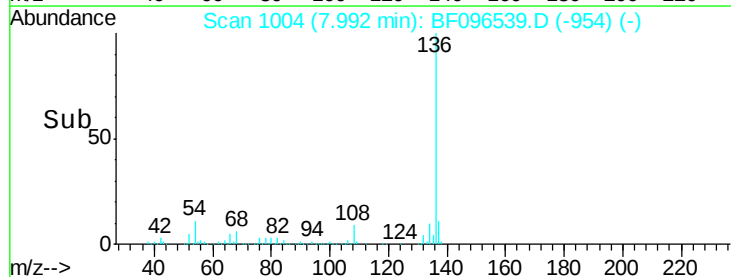
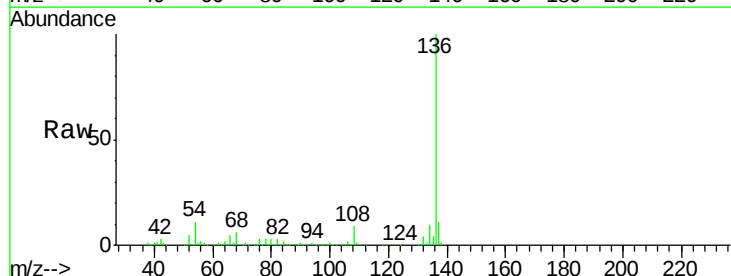
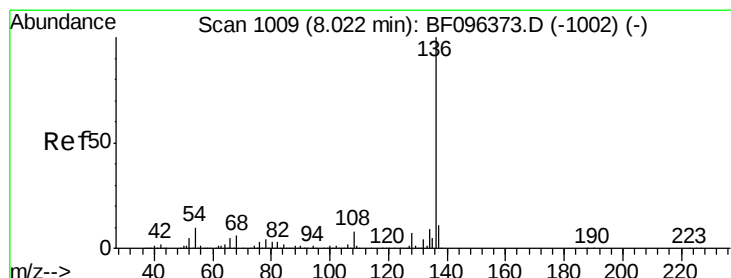
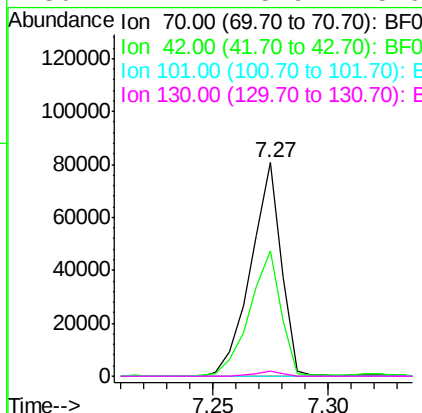




#19
n-Nitroso-di-n-propylamine
Concen: 13.11 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.14 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

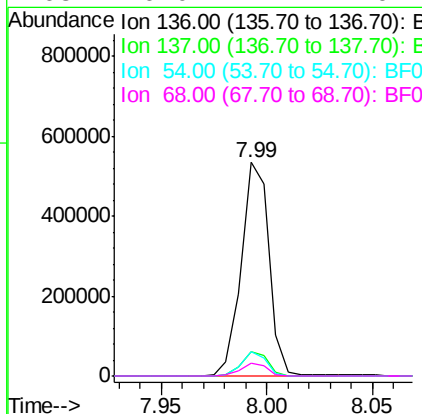
Instrument :
BNA_F
ClientSampleId :

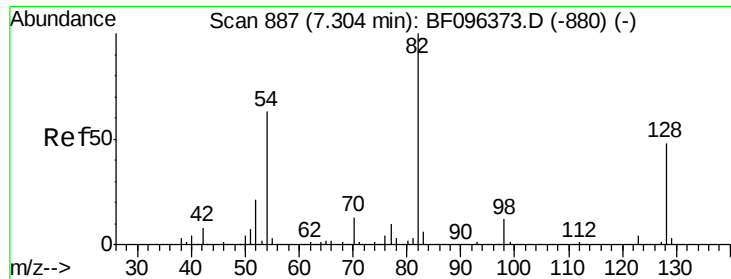
Tot Ion:	70	Resp:	74528
Ion	Ratio	Lower	Upper
70	100		
42	58.7	47.2	70.8
101	0.0	7.2	10.8#
130	2.1	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

Tgt Ion:	136	Resp:	486522
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	11.3	4.9	7.3#
68	6.0	4.1	6.1

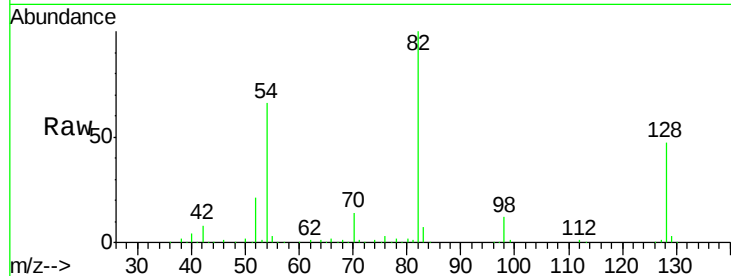




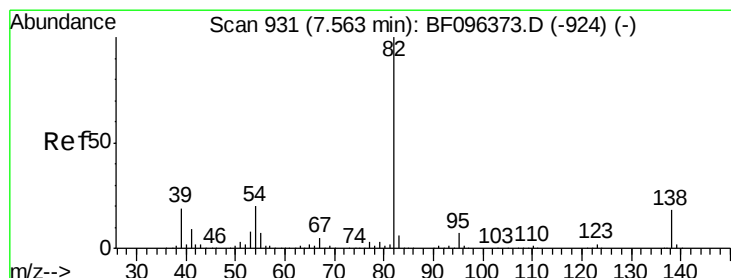
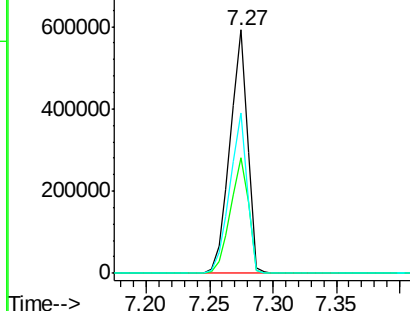
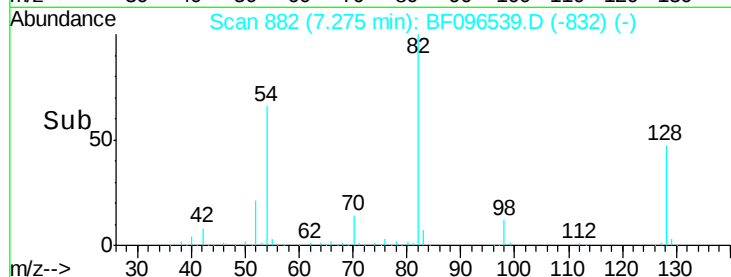
#23
Nitrobenzene-d5
Concen: 69.92 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 566119
Ion Ratio Lower Upper
82 100
128 47.4 34.0 51.0
54 65.7 42.2 63.2#

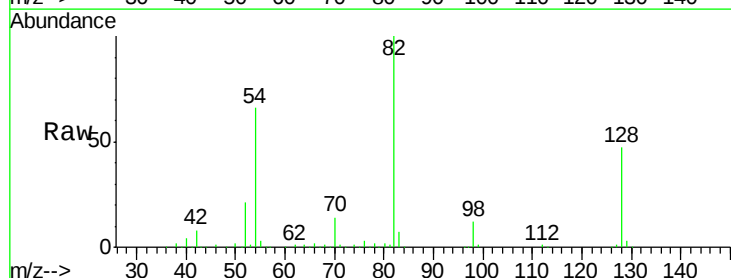


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

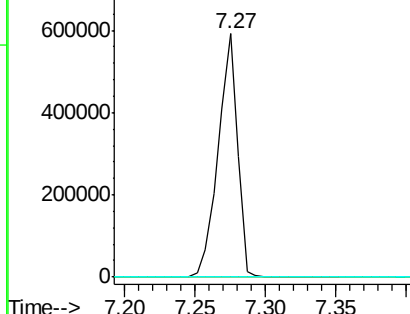
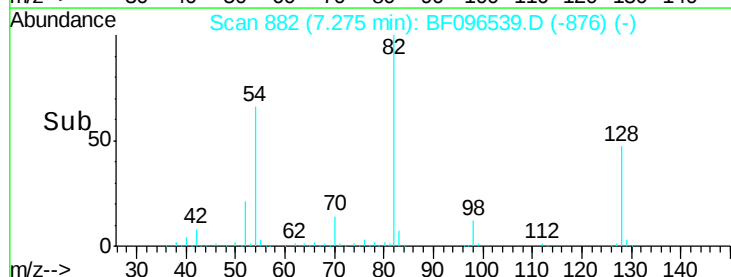


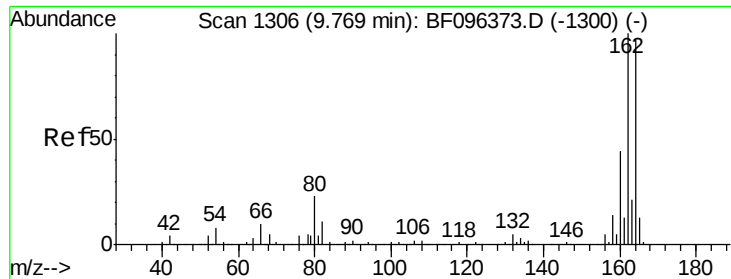
#25
Isophorone
Concen: 35.84 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.26 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

Tgt Ion: 82 Resp: 562699
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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF096539.D

Acq: 6 Jul 2017 17:59

Instrument :

BNA_F

ClientSampleId :

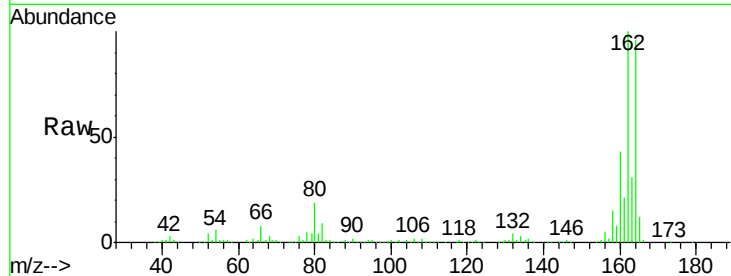
Tot Ion:164 Resp: 188705

Ion Ratio Lower Upper

164 100

162 104.1 82.6 123.8

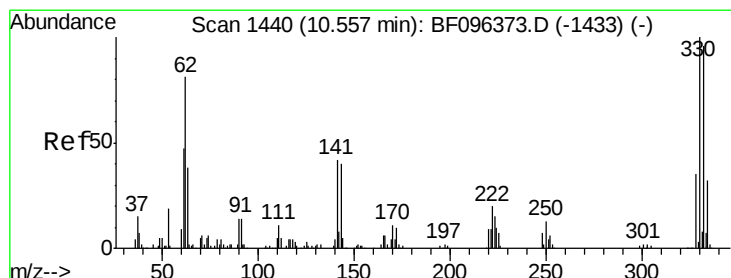
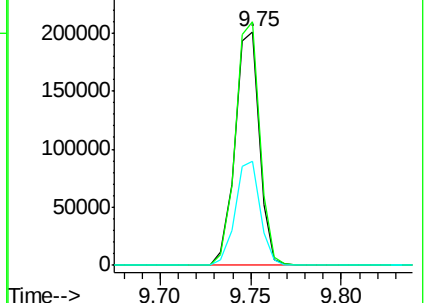
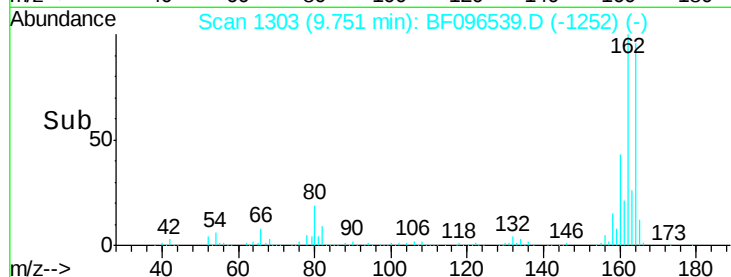
160 44.4 36.2 54.2



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: 99.45 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BF096539.D

Acq: 6 Jul 2017 17:59

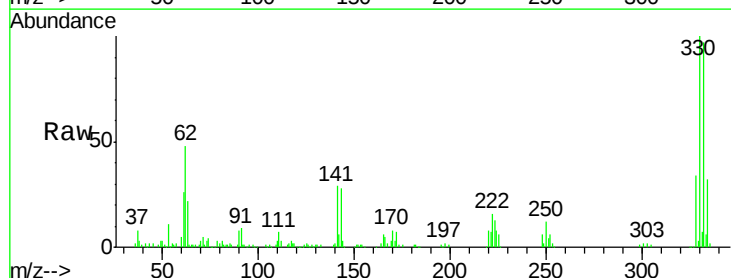
Tgt Ion:330 Resp: 146593

Ion Ratio Lower Upper

330 100

332 96.1 76.6 115.0

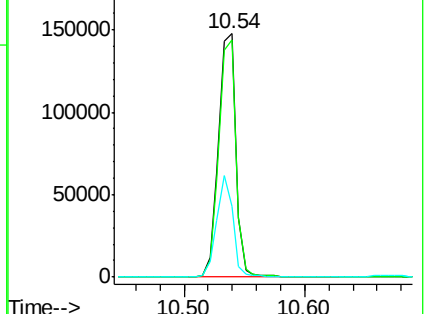
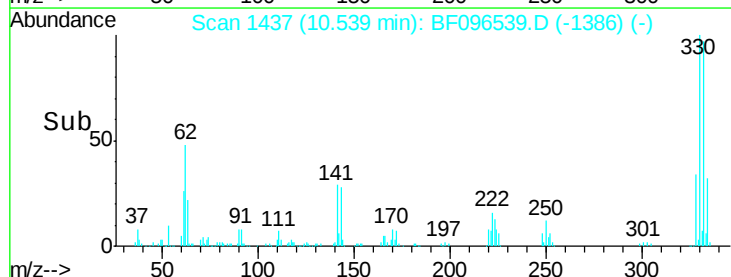
141 39.6 31.4 47.2

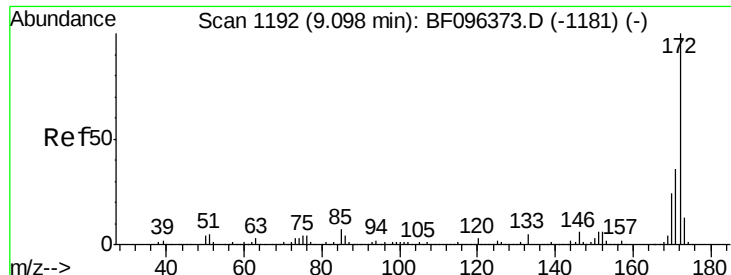


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

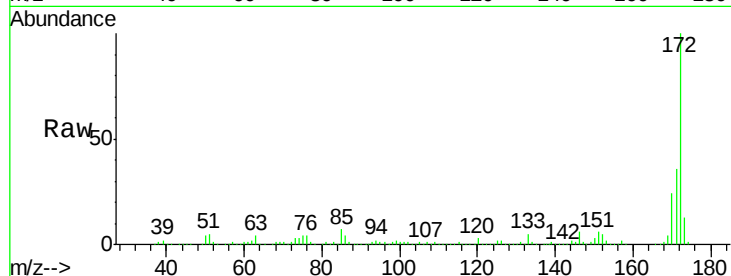




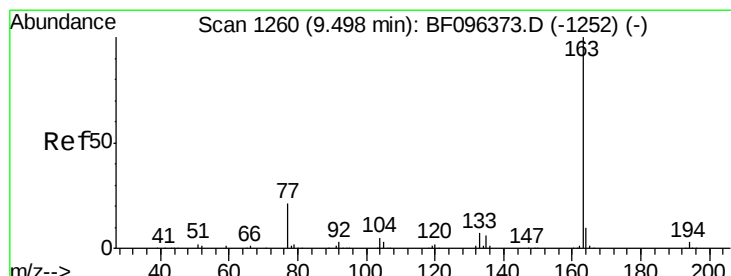
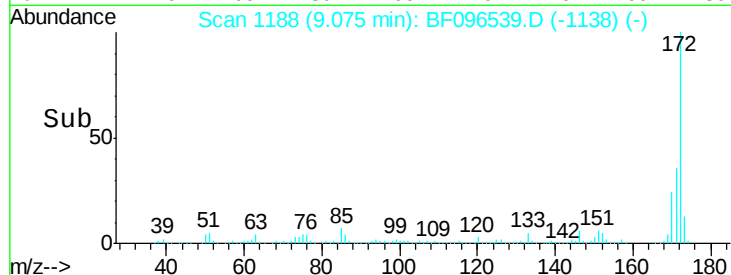
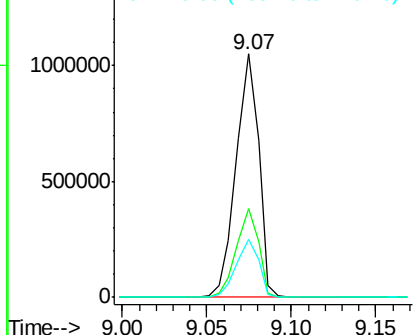
#44
 2-Fluorobiphenyl
 Concen: 89.14 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096539.D
 Acq: 6 Jul 2017 17:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 983872
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 23.9 19.8 29.8

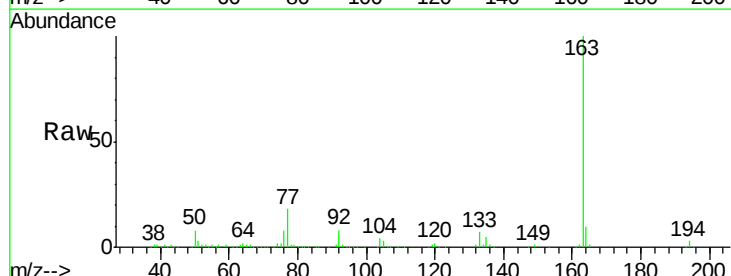


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

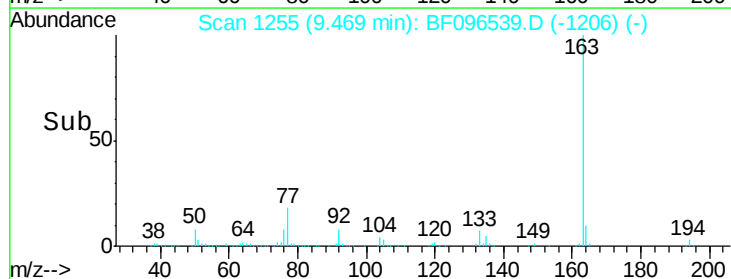
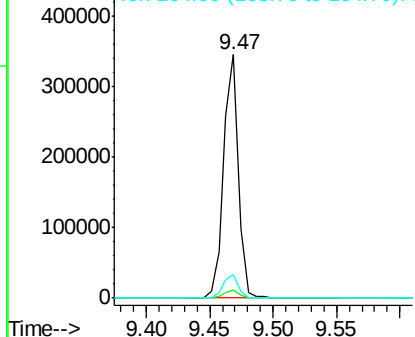


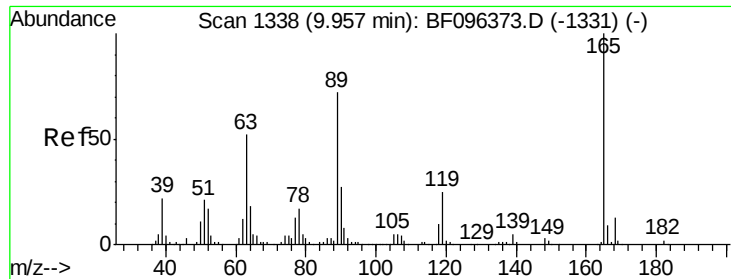
#49
 Dimethylphthalate
 Concen: 19.99 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF096539.D
 Acq: 6 Jul 2017 17:59

Tgt Ion:163 Resp: 281603
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.6 4.0
 164 9.6 8.4 12.6



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

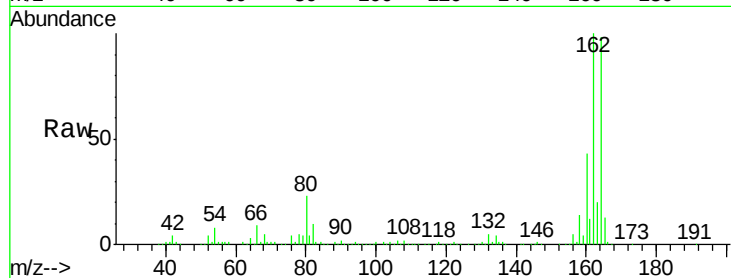




#56
 2,4-Dinitrotoluene
 Concen: 6.30 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.19 min
 Lab File: BF096539.D
 Acq: 6 Jul 2017 17:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#

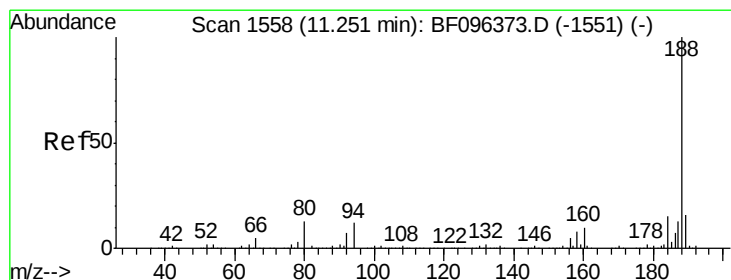
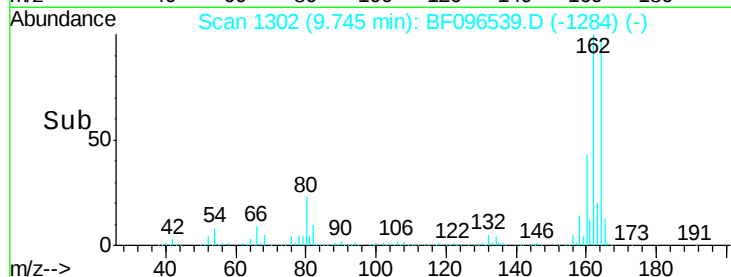
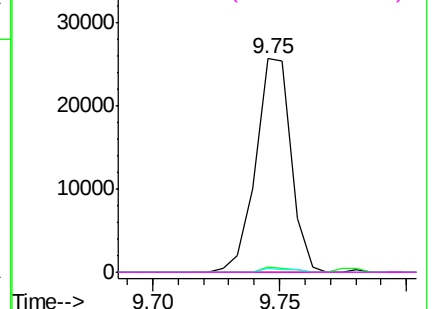


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

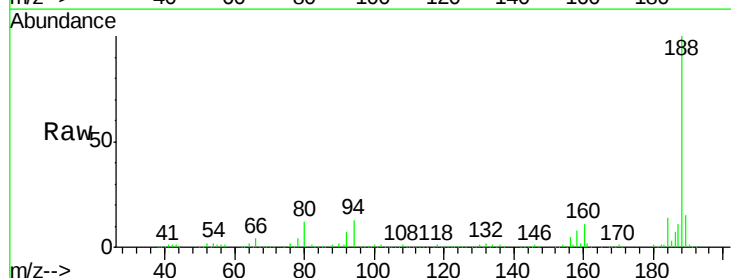
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096539.D
 Acq: 6 Jul 2017 17:59

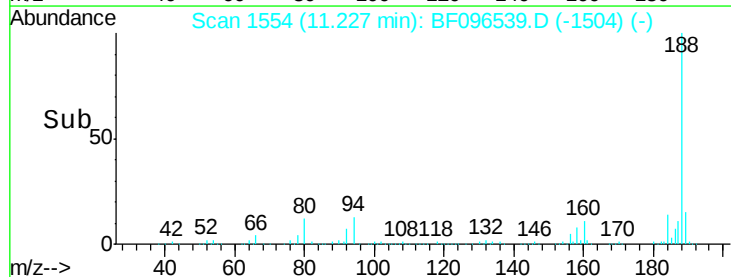
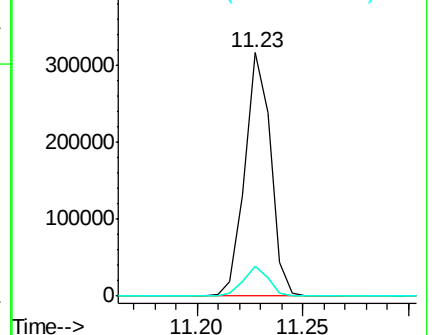
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.5	9.4	14.2
80	12.3	10.2	15.2

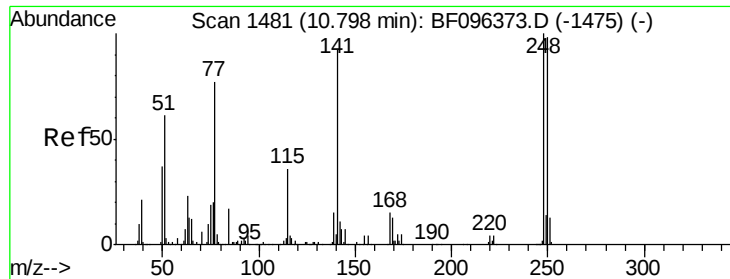


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

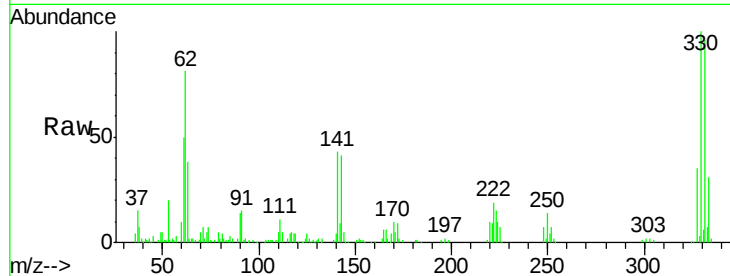




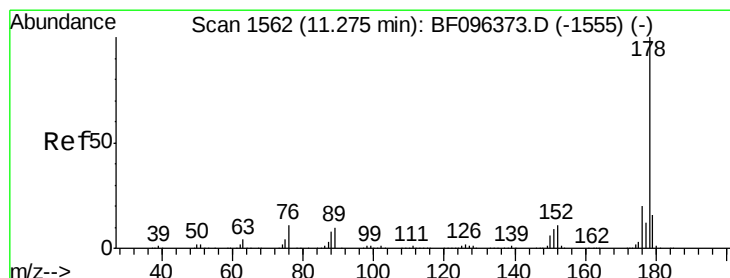
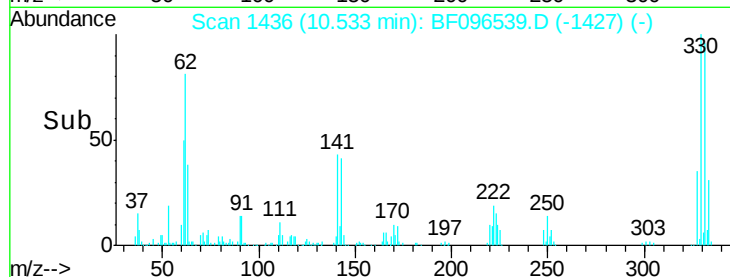
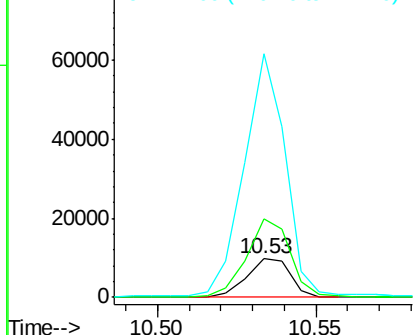
#66
4-Bromophenyl-phenylether
Concen: 3.60 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9372
Ion Ratio Lower Upper
248 100
250 203.4 76.8 115.2#
141 634.3 68.6 103.0#

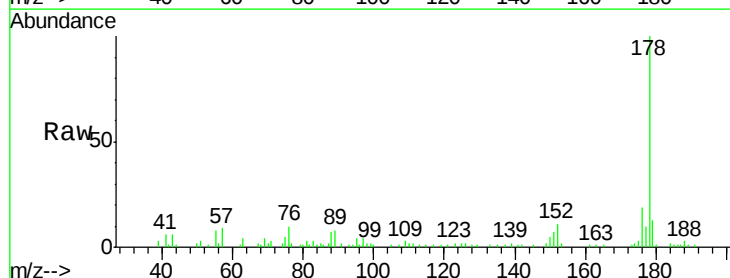


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

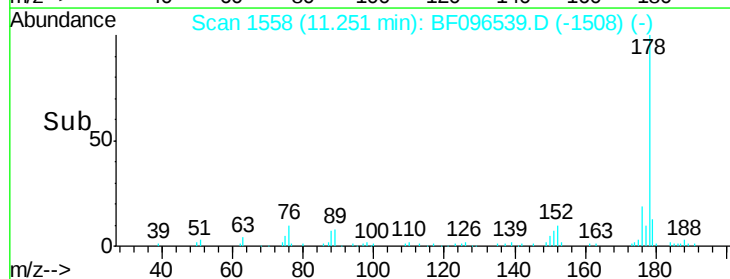
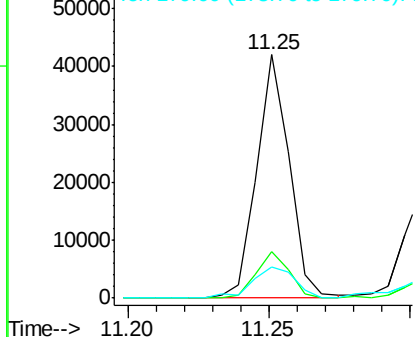


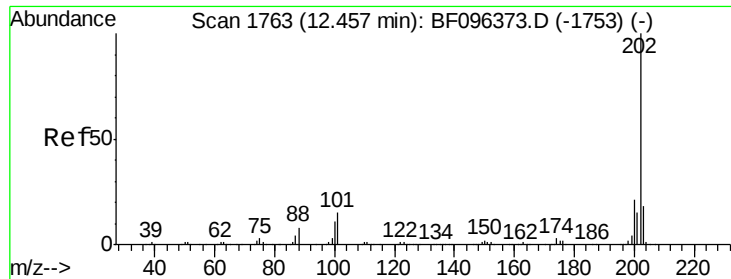
#70
Phenanthrene
Concen: 2.33 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

Tgt Ion:178 Resp: 33767
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 13.0 12.6 19.0



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





#74

Fluoranthene

Concen: 6.61 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096539.D

Acq: 6 Jul 2017 17:59

Instrument :

BNA_F

ClientSampled :

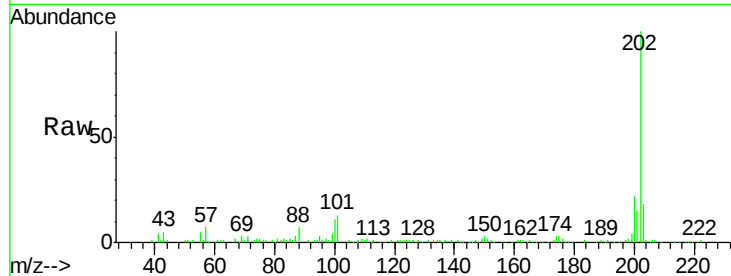
Tot Ion:202 Resp: 93720

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

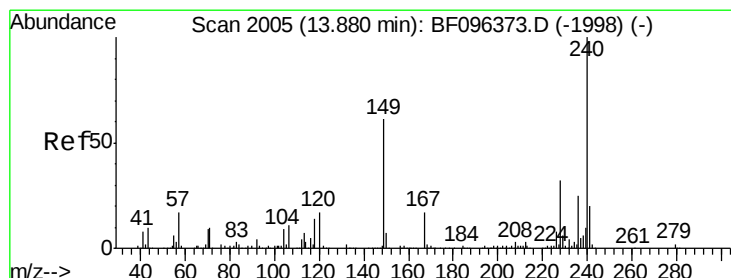
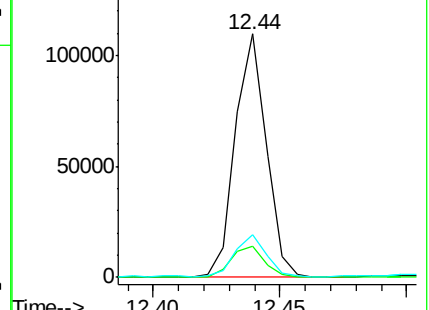
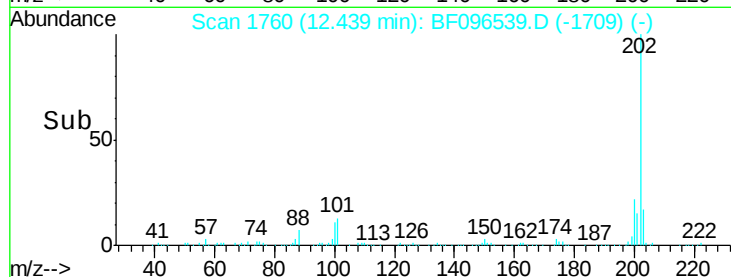
203 17.7 0.0 38.1



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096539.D

Acq: 6 Jul 2017 17:59

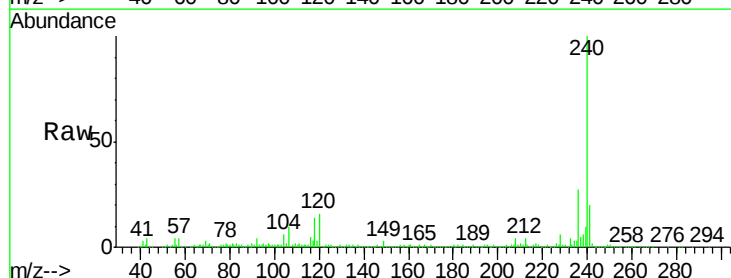
Tgt Ion:240 Resp: 249895

Ion Ratio Lower Upper

240 100

120 16.3 5.8 8.8#

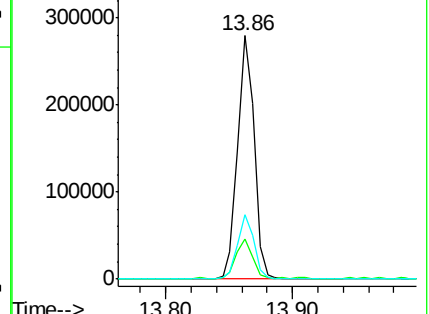
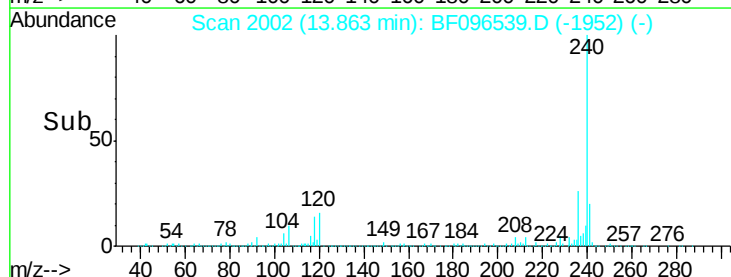
236 26.5 20.5 30.7

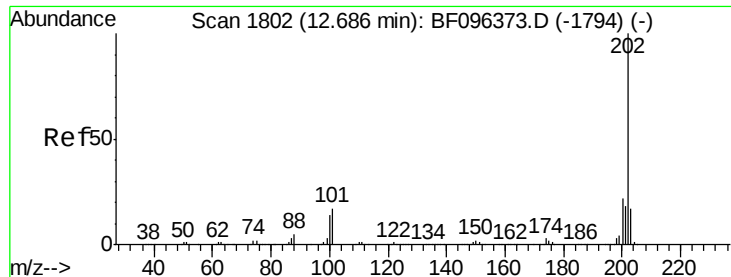


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.44 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF096539.D

Acq: 6 Jul 2017 17:59

Instrument :

BNA_F

ClientSampleId :

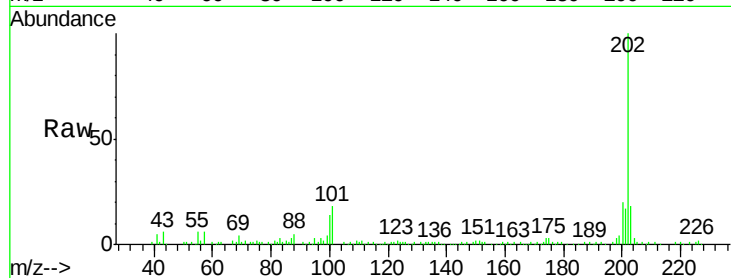
Tot Ion:202 Resp: 89110

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

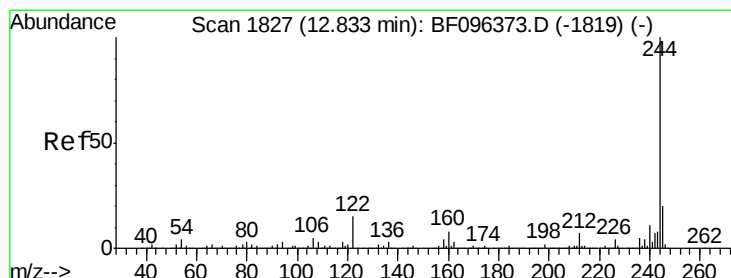
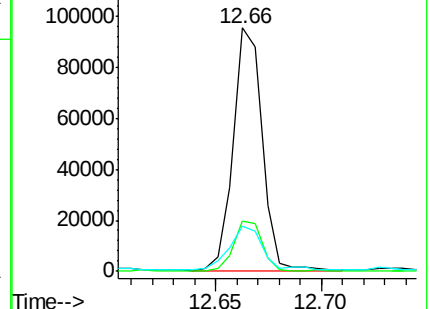
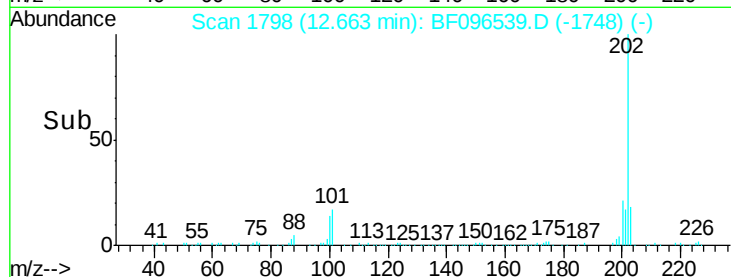
203 18.4 14.4 21.6



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: 52.84 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF096539.D

Acq: 6 Jul 2017 17:59

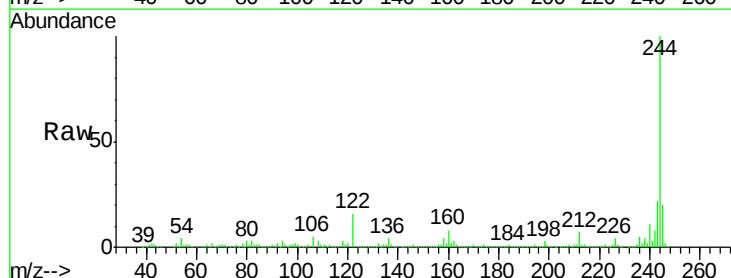
Tgt Ion:244 Resp: 617932

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

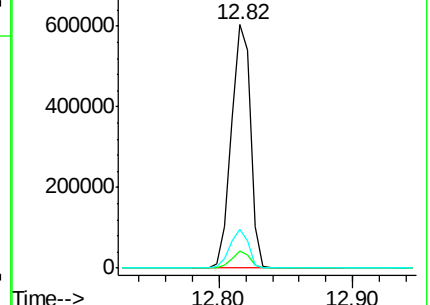
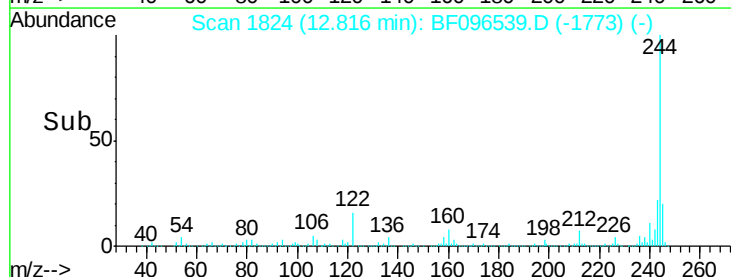
122 15.8 10.3 15.5#

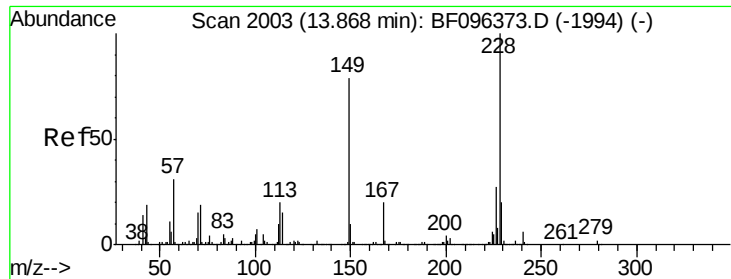


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

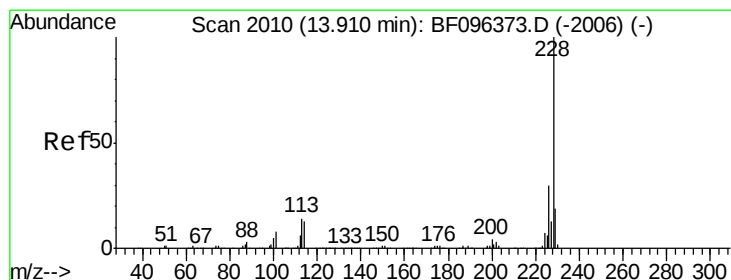
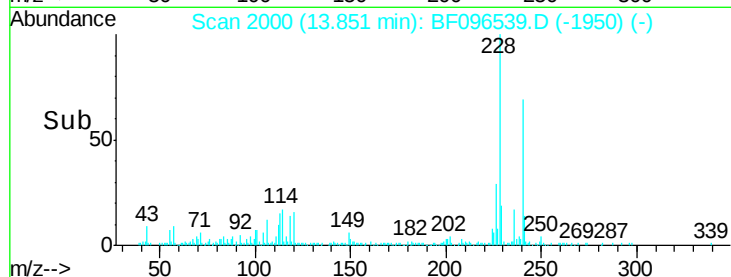
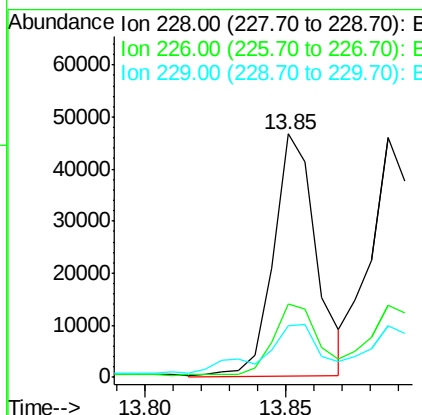
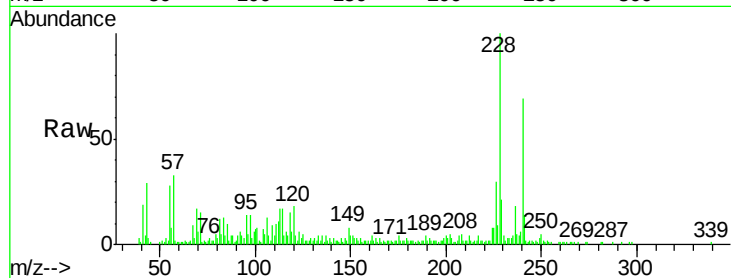




#80
Benzo(a)anthracene
Concen: 3.41 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

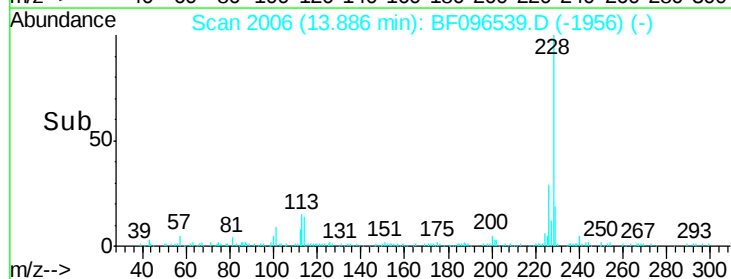
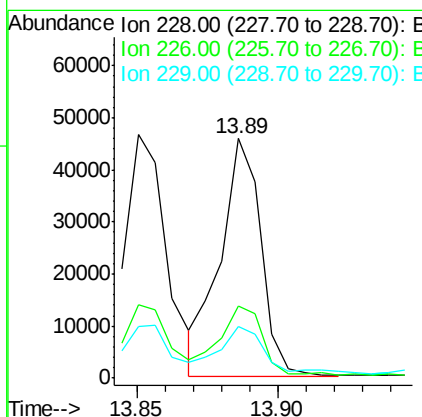
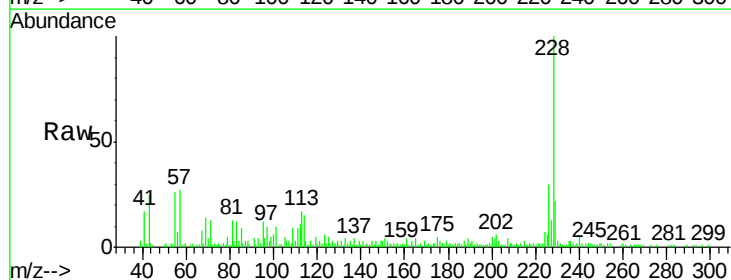
Instrument :
BNA_F
ClientSampleId :

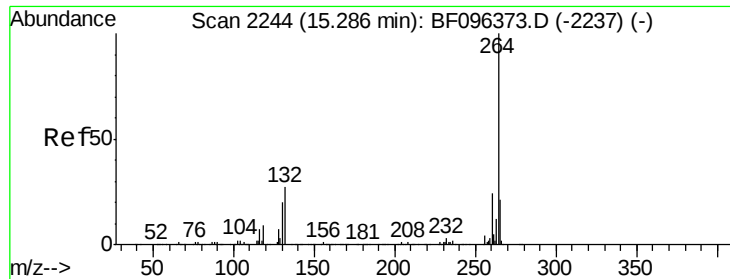
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	21.2	16.3	24.5



#82
Chrysene
Concen: 3.05 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	21.6	15.8	23.6



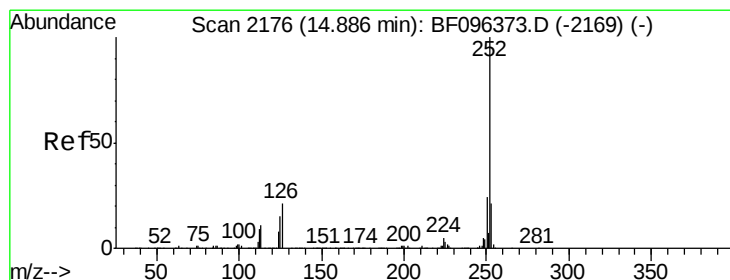
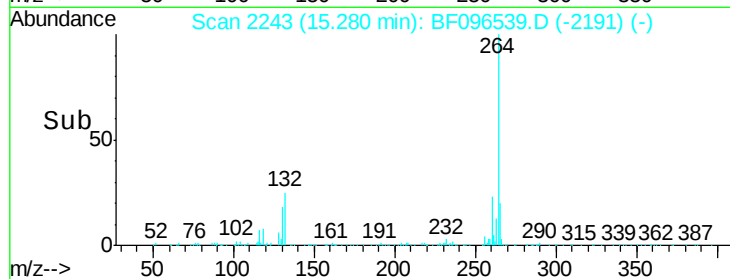
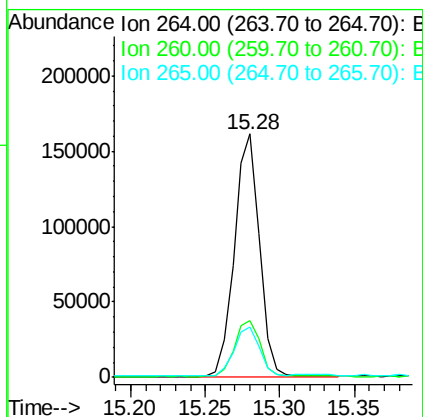
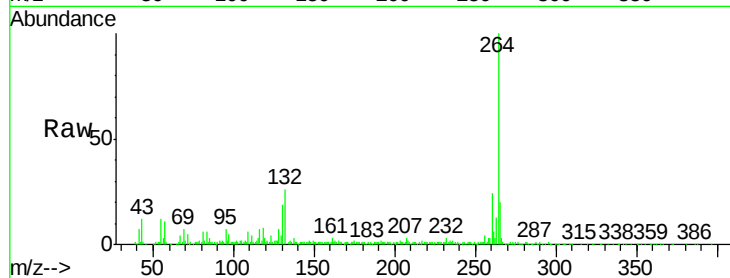


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 188801

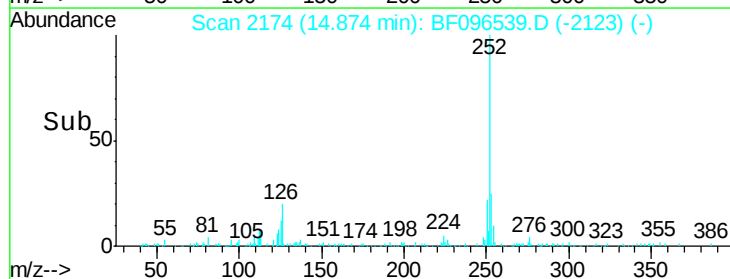
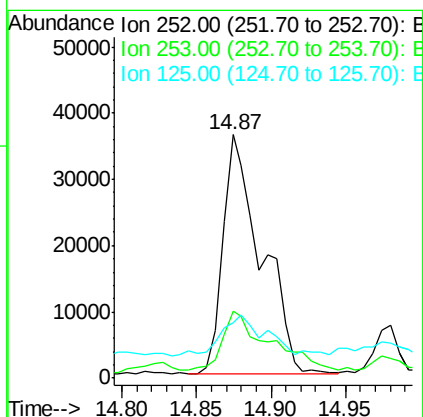
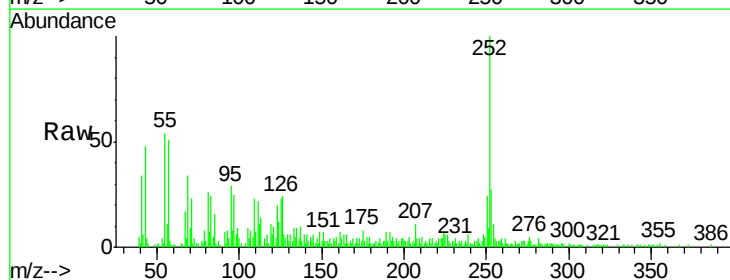
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.5	17.2	25.8

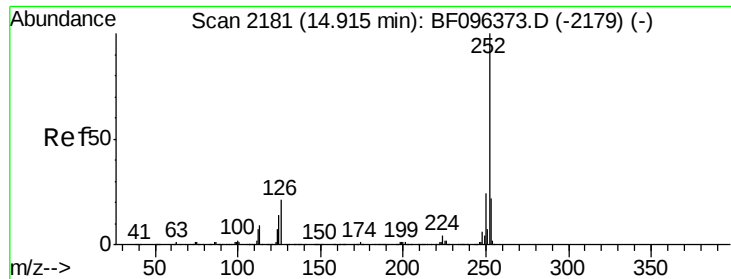


#87
Benzo(b)fluoranthene
Concen: 5.47 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

Tgt Ion:252 Resp: 64758

Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.1	27.1#
125	22.8	9.8	14.8#

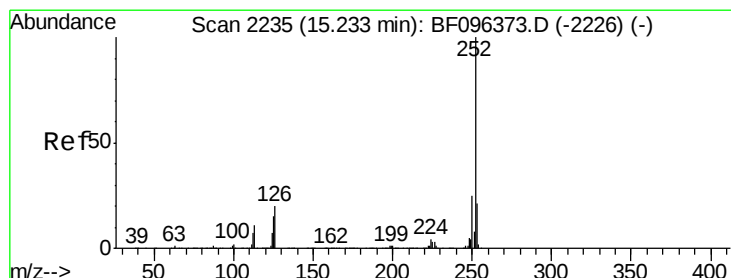
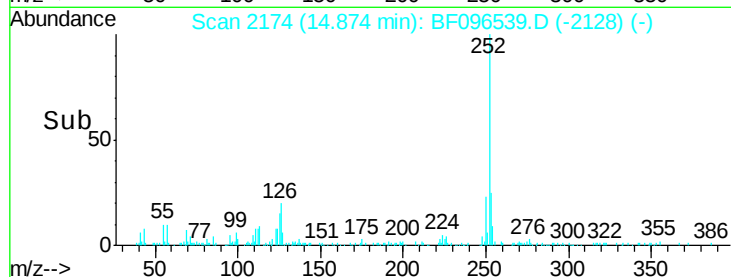
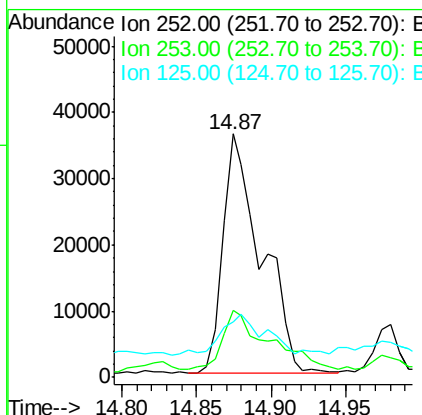
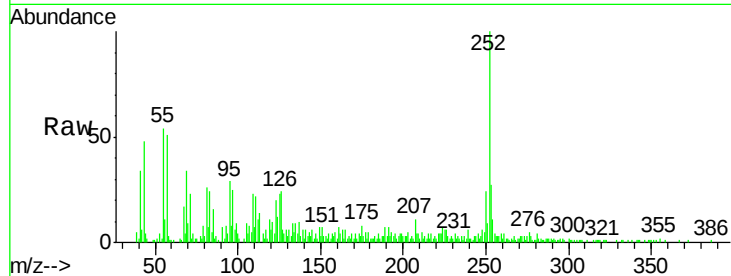




#88
Benzo(k)fluoranthene
Concen: 6.12 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

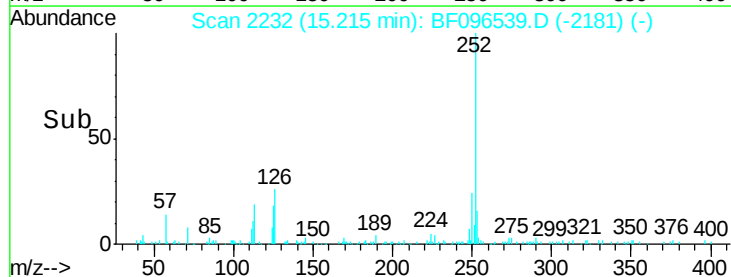
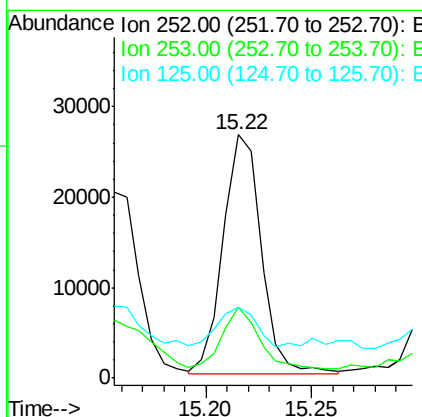
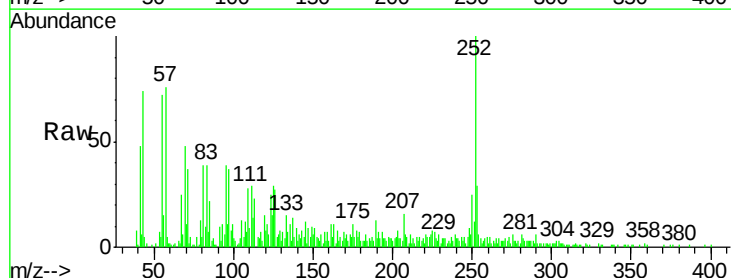
Instrument :
BNA_F
ClientSampleId :

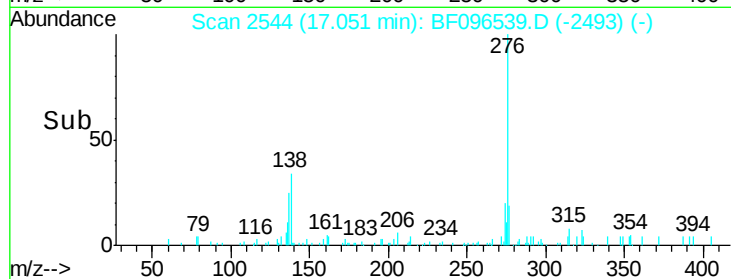
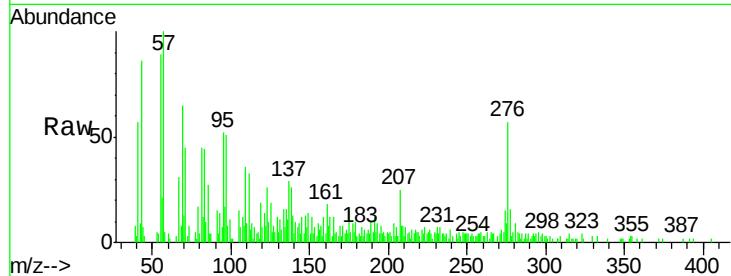
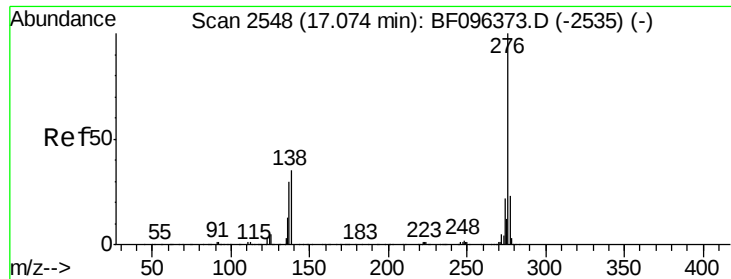
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.4	27.6
125	22.8	13.1	19.7



#89
Benzo(a)pyrene
Concen: 3.13 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF096539.D
Acq: 6 Jul 2017 17:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.5	26.3
125	29.1	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 2.16 ng

RT: 17.05 min Scan# 2544

Delta R.T. -0.00 min

Lab File: BF096539.D

Acq: 6 Jul 2017 17:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 18568

Ion Ratio Lower Upper

276 100

277 28.4 18.6 28.0#

138 46.5 25.4 38.0#

