

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071117\
 Data File : BF096685.D
 Acq On : 12 Jul 2017 11:11
 Operator : SJ/JU
 Sample : I4130-19
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 14:41:35 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	114408	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	476370	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	222755	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	318787	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	226403	20.00	ng	-0.02
86) Perylene-d12	15.23	264	157033	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	816753	105.37	ng	0.00
7) Phenol-d6	6.33	99	857341	89.97	ng	-0.01
23) Nitrobenzene-d5	7.25	82	474143	59.81	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	148379	85.28	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	971617	74.58	ng	-0.02
78) Terphenyl-d14	12.78	244	532004	50.21	ng	-0.02

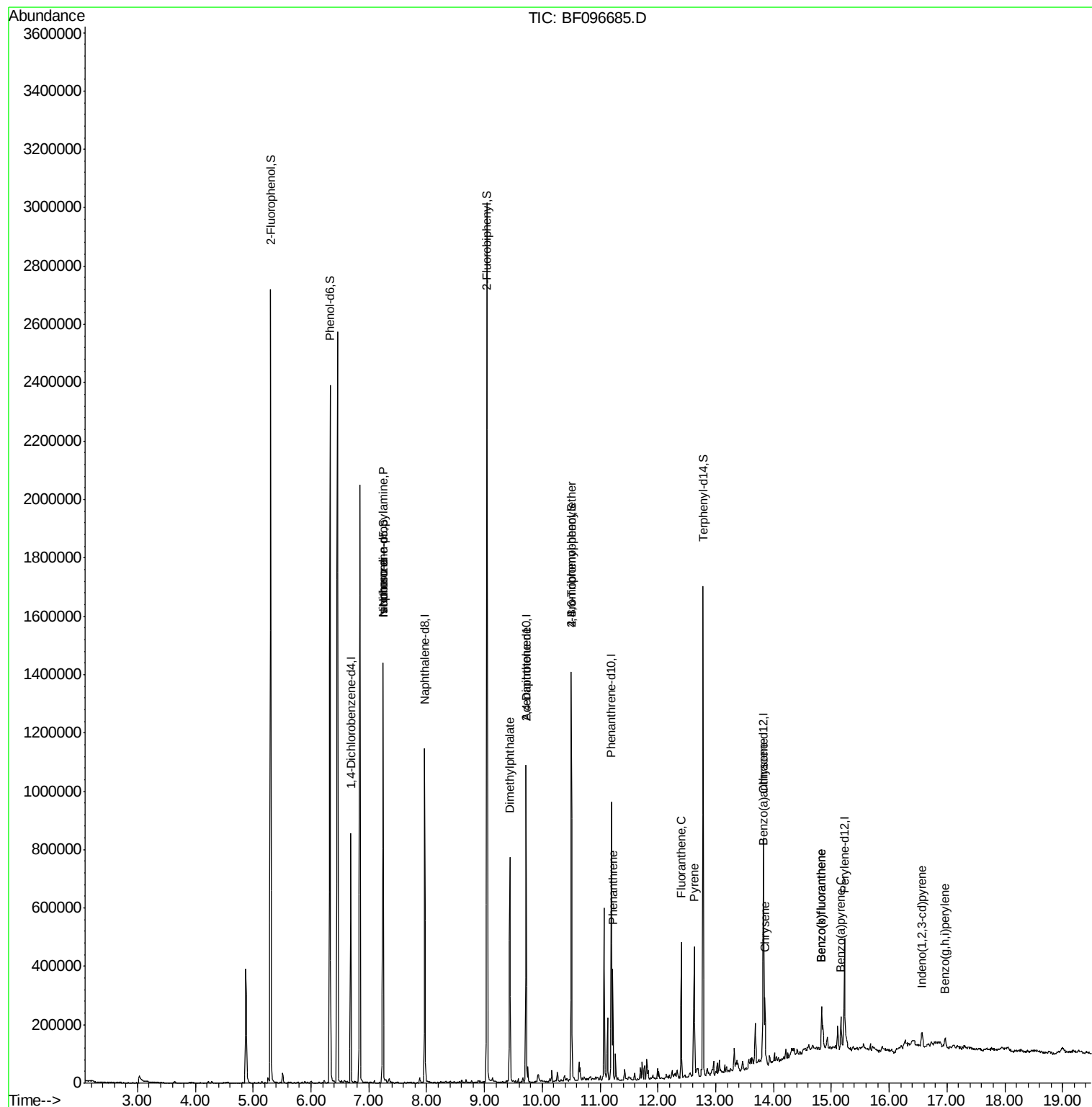
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	65195	11.484	ng	# 85
25) Isophorone	7.25	82	469514	30.546	ng	# 67
49) Dimethylphthalate	9.44	163	283093	17.024	ng	99
56) 2,4-Dinitrotoluene	9.72	165	28058	6.025	ng	# 33
66) 4-Bromophenyl-phenylether	10.50	248	9569	3.084	ng	# 1
70) Phenanthrene	11.22	178	125286	7.270	ng	97
74) Fluoranthene	12.40	202	177097	10.482	ng	98
77) Pyrene	12.63	202	174057	9.578	ng	97
80) Benzo(a)anthracene	13.82	228	79682	6.078	ng	98
82) Chrysene	13.85	228	70641	5.145	ng	94
85) Indeno(1,2,3-cd)pyrene	16.57	276	26357	2.432	ng	95
87) Benzo(b)fluoranthene	14.83	252	90447	9.192	ng	# 94
88) Benzo(k)fluoranthene	14.83	252	90447	10.276	ng	97
89) Benzo(a)pyrene	15.17	252	46831	5.331	ng	96
91) Benzo(a,h,i)perylene	16.97	276	24962	3.486	ng	98

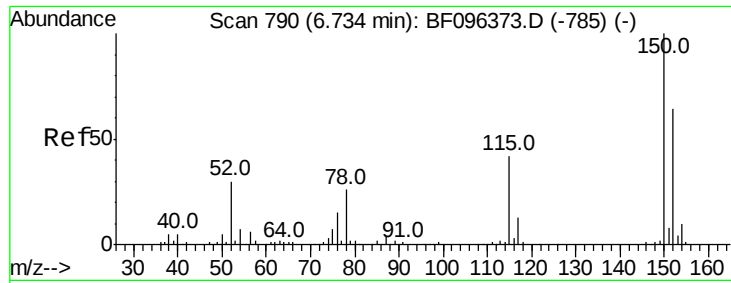
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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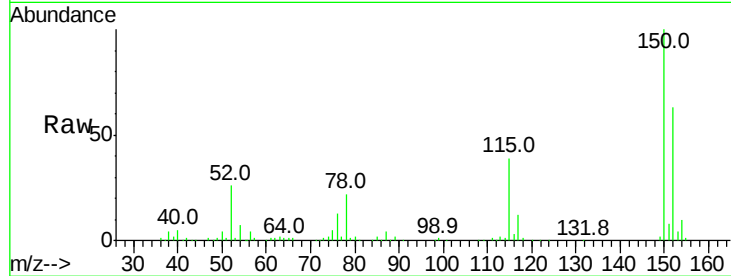


#1

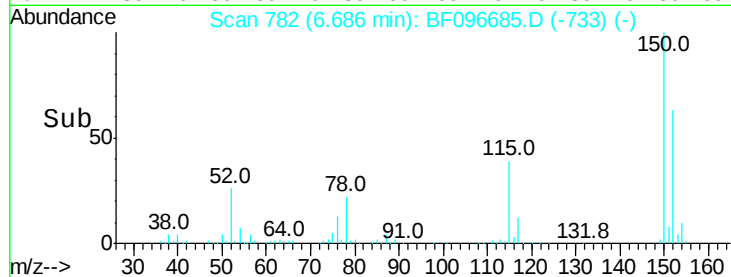
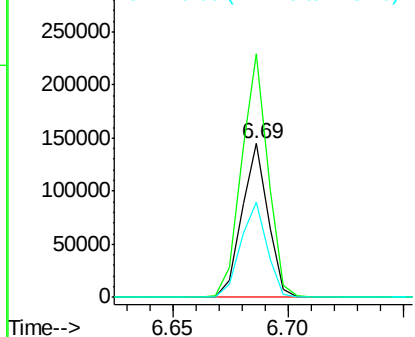
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF096685.D
 Acq: 12 Jul 2017 11:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 114408
 Ion Ratio Lower Upper
 152 100
 150 158.6 126.2 189.2
 115 62.0 52.2 78.2



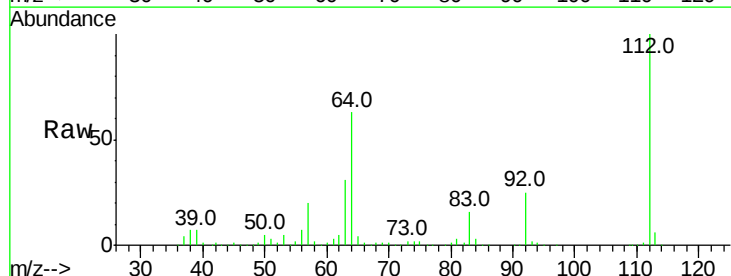
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



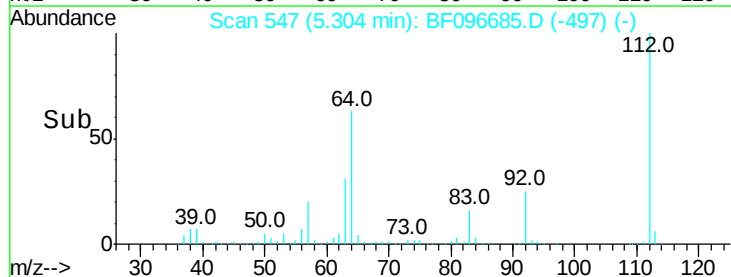
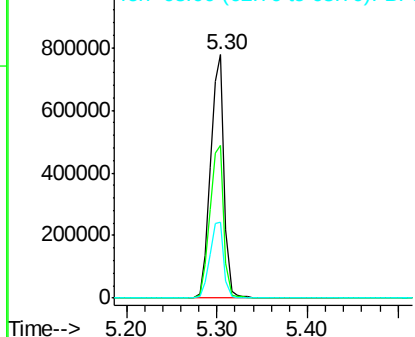
#5

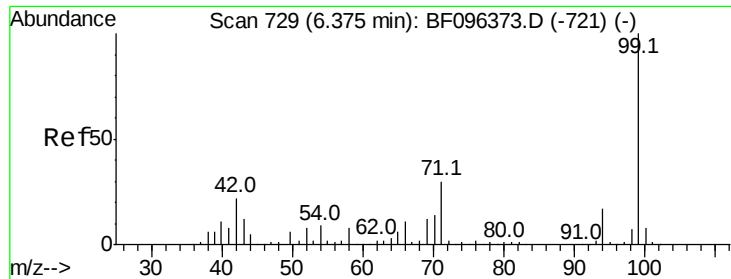
2-Fluorophenol
 Concen: 105.369 ng
 RT: 5.30 min Scan# 547
 Delta R.T. -0.01 min
 Lab File: BF096685.D
 Acq: 12 Jul 2017 11:11

Tgt Ion:112 Resp: 816753
 Ion Ratio Lower Upper
 112 100
 64 62.9 46.0 69.0
 63 31.4 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: 89.969 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

Instrument :

BNA_F

ClientSampled :

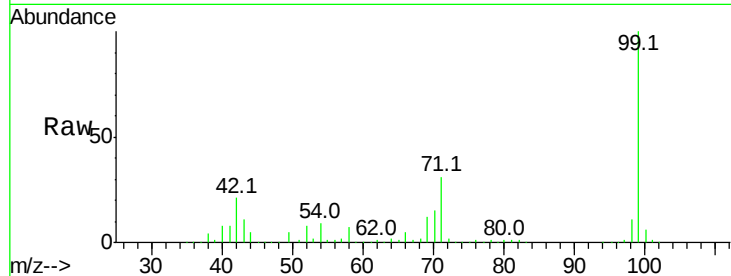
Tot Ion: 99 Resp: 857341

Ion Ratio Lower Upper

99 100

42 21.4 13.5 20.3#

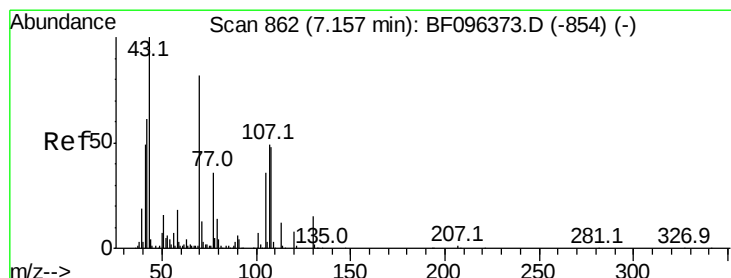
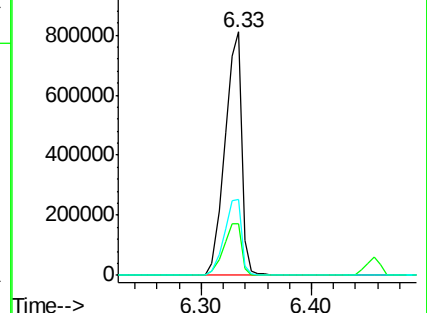
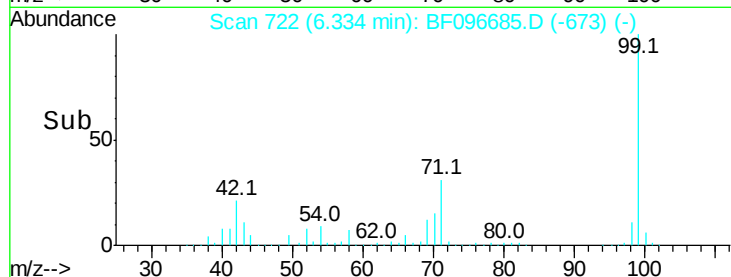
71 31.3 24.5 36.7



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: 11.484 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

Tgt Ion: 70 Resp: 65195

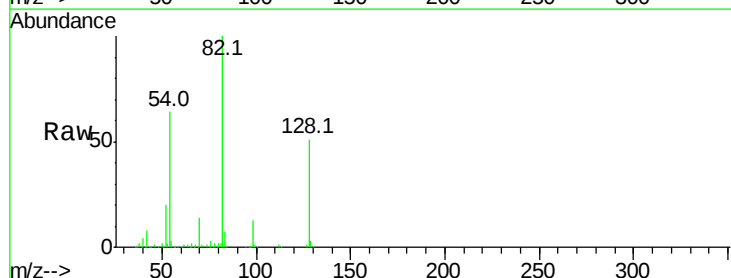
Ion Ratio Lower Upper

70 100

42 55.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

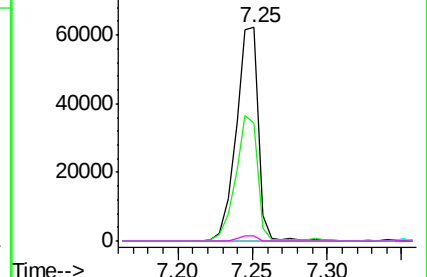
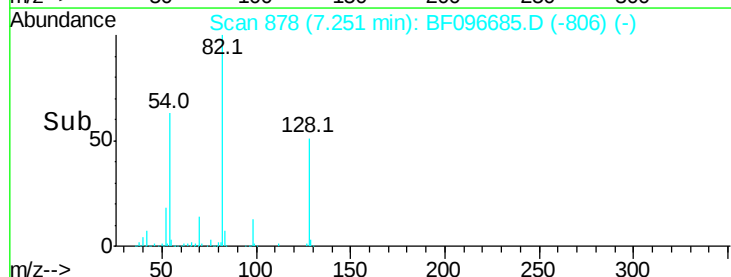


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF096685.D

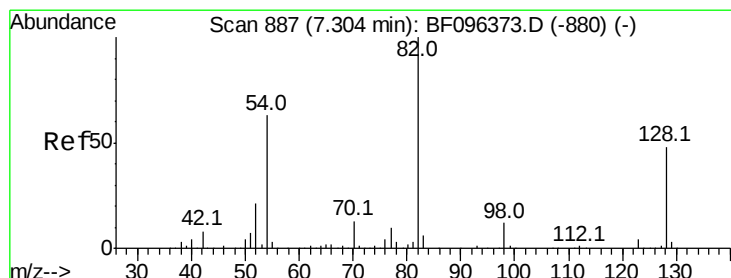
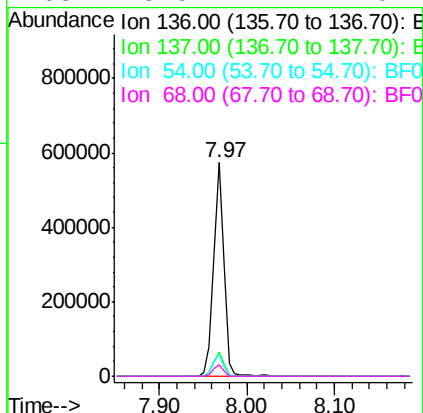
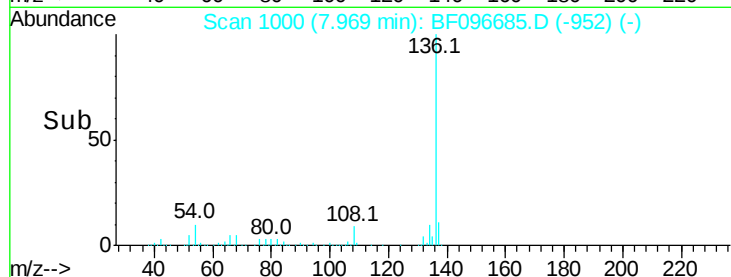
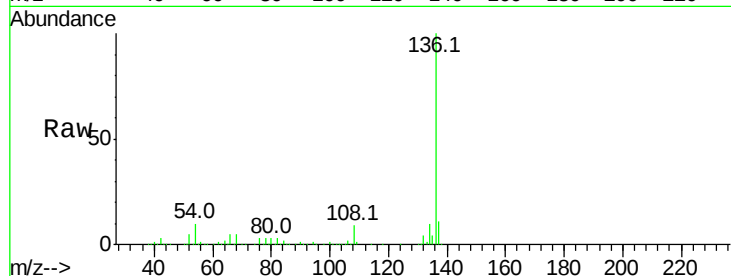
Acq: 12 Jul 2017 11:11

Instrument :

BNA_F

ClientSampled :

Tot Ion:	136	Resp:	476370
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	10.2	4.9	7.3#
68	5.5	4.1	6.1



#23

Nitrobenzene-d5

Concen: 59.810 ng

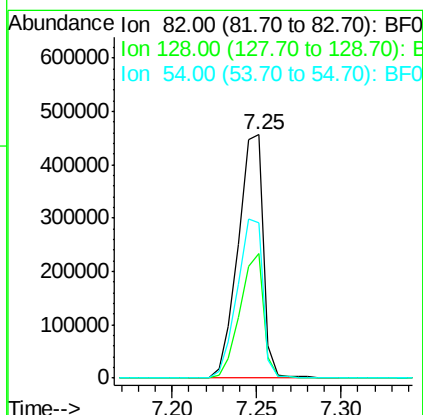
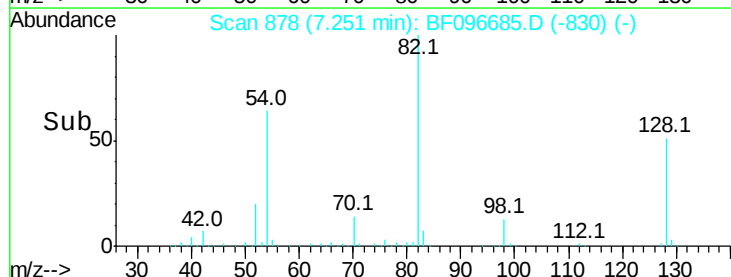
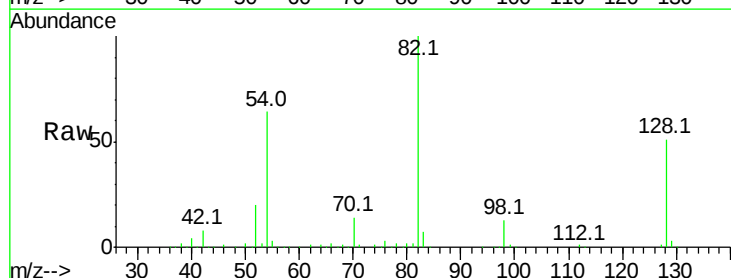
RT: 7.25 min Scan# 878

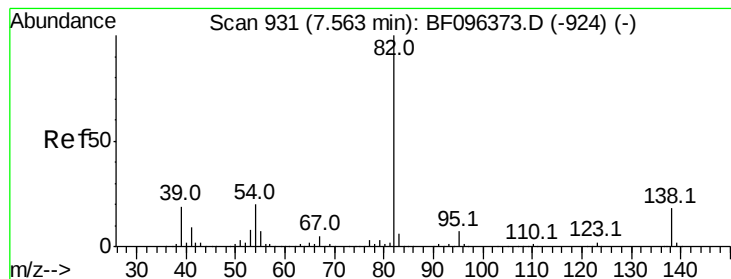
Delta R.T. -0.02 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

Tgt Ion:	82	Resp:	474143
Ion	Ratio	Lower	Upper
82	100		
128	51.4	34.0	51.0#
54	64.0	42.2	63.2#





#25

Isophorone

Concen: 30.546 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.28 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

Instrument :

BNA_F

ClientSampleId :

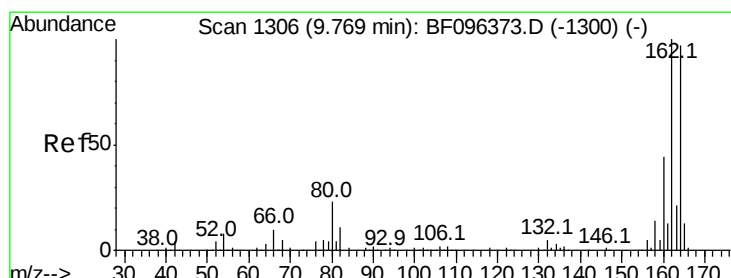
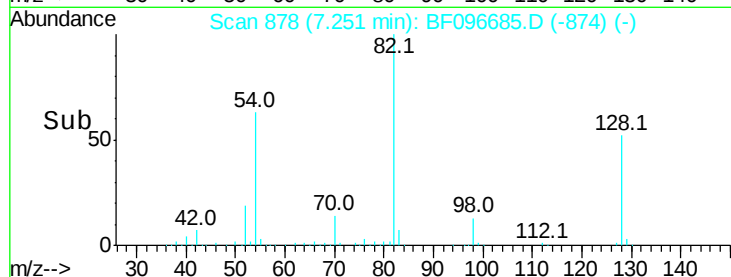
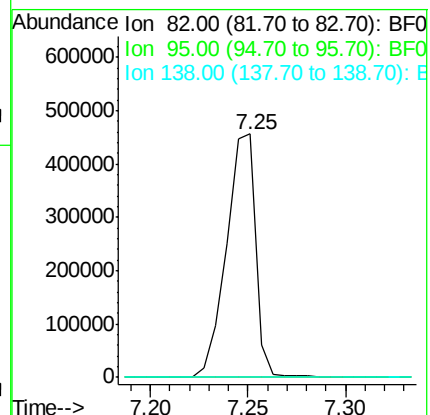
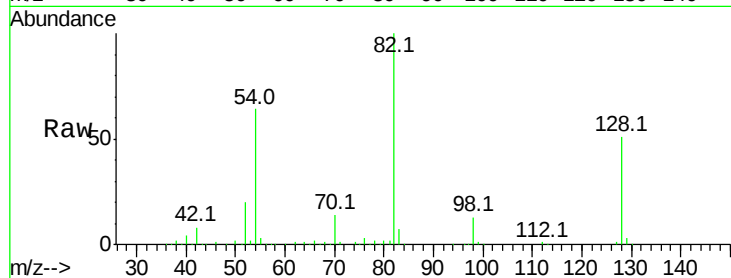
Tot Ion: 82 Resp: 469514

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: BF096685.D

Acq: 12 Jul 2017 11:11

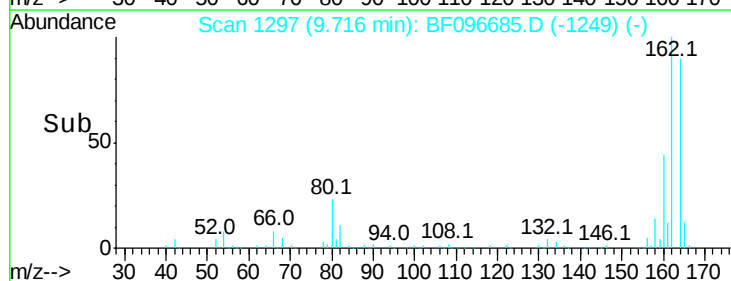
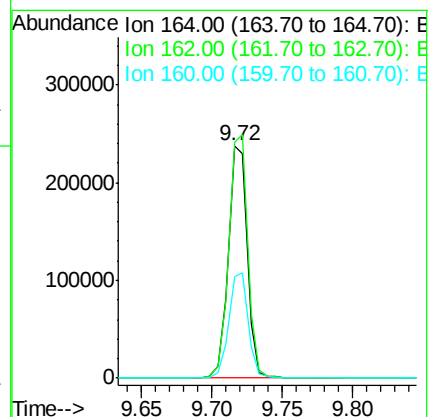
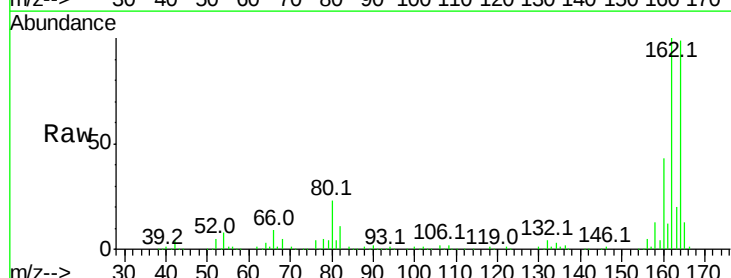
Tgt Ion:164 Resp: 222755

Ion Ratio Lower Upper

164 100

162 101.5 82.6 123.8

160 43.8 36.2 54.2

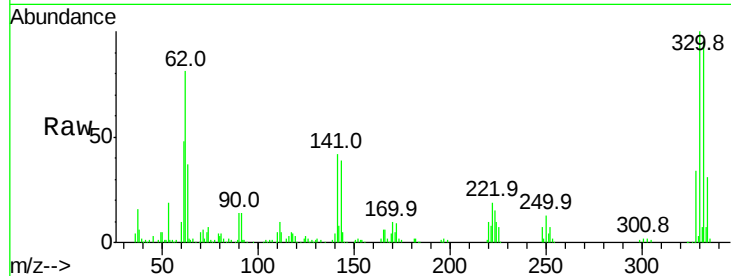




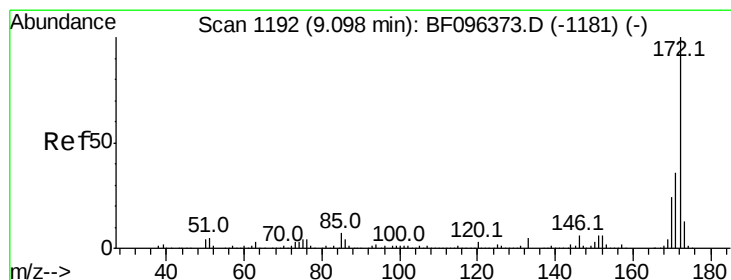
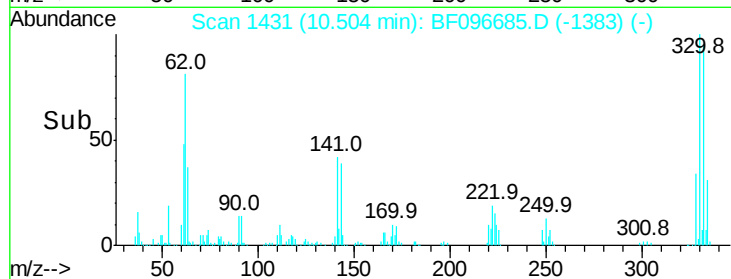
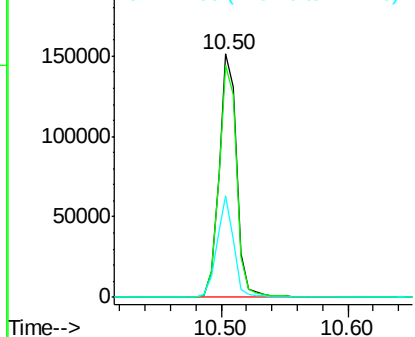
#41
 2,4,6-Tribromophenol
 Concen: 85.276 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096685.D
 Acq: 12 Jul 2017 11:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 148379
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 115.0
 141 39.6 31.4 47.2

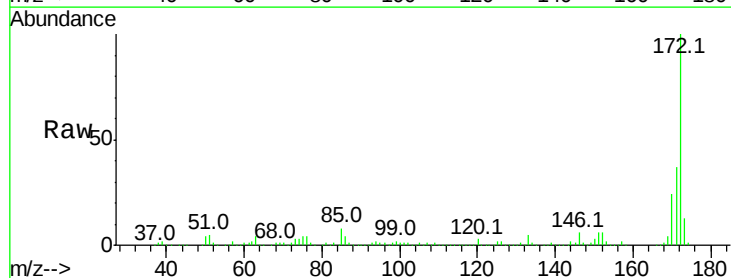


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

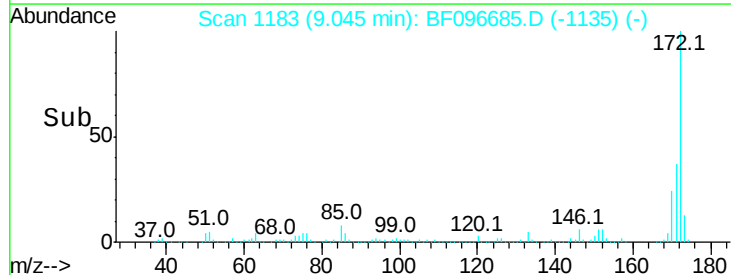
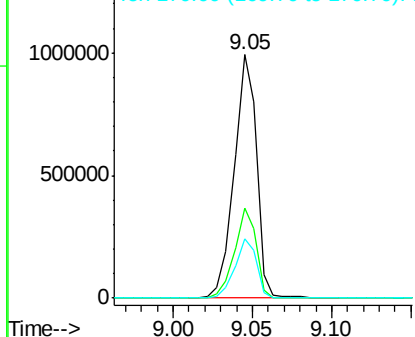


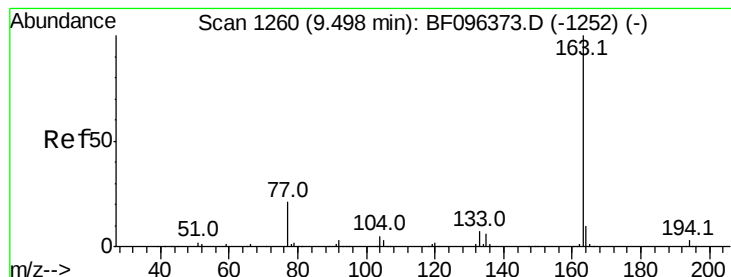
#44
 2-Fluorobiphenyl
 Concen: 74.577 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096685.D
 Acq: 12 Jul 2017 11:11

Tgt Ion:172 Resp: 971617
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.2 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: 17.024 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.03 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

Instrument :

BNA_F

ClientSampled :

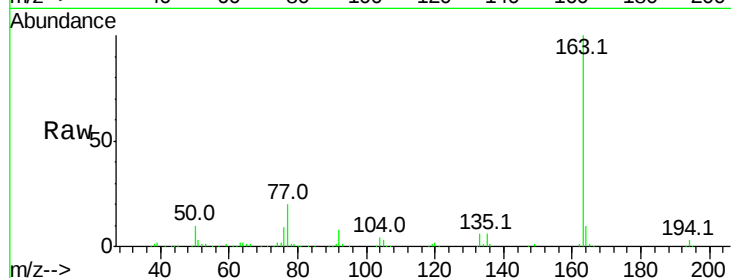
Tot Ion:163 Resp: 283093

Ion Ratio Lower Upper

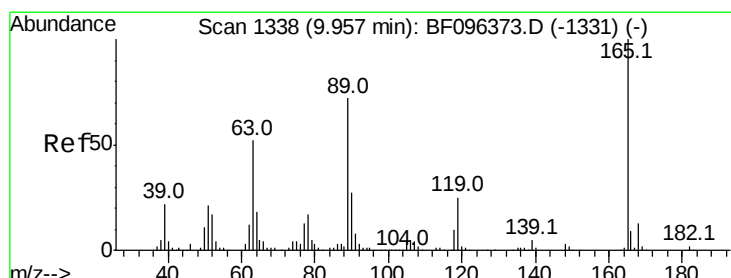
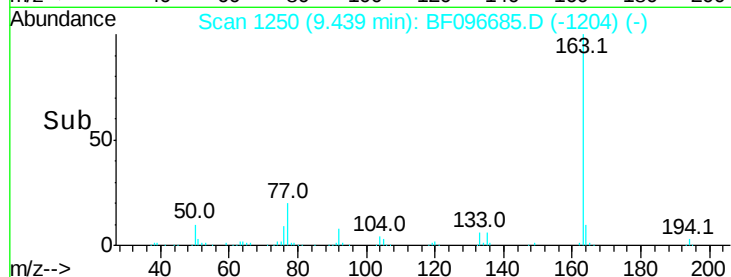
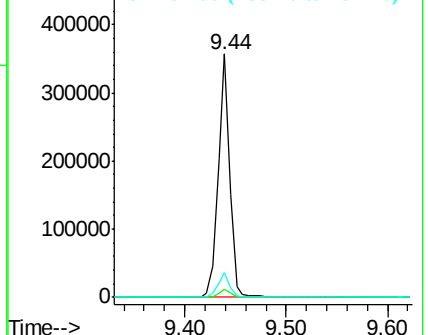
163 100

194 3.4 2.6 4.0

164 10.0 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: 6.025 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.21 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

Tgt Ion:165 Resp: 28058

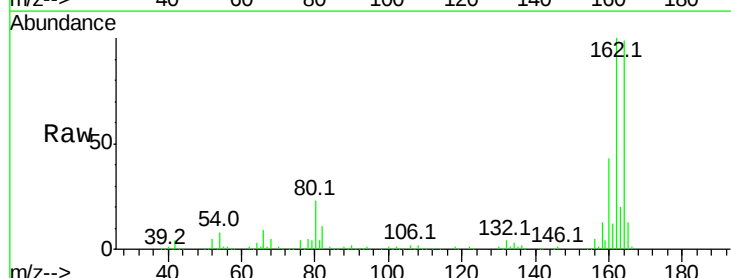
Ion Ratio Lower Upper

165 100

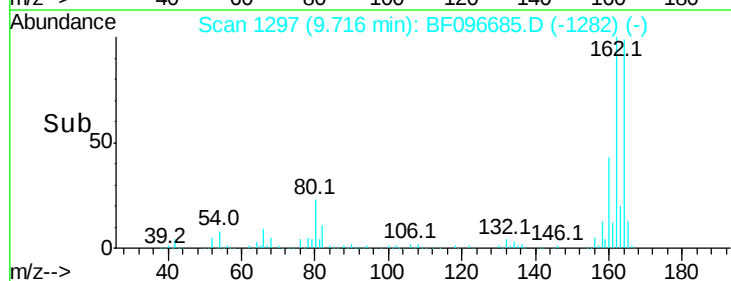
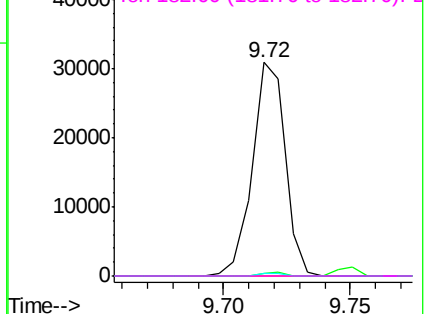
63 1.2 25.4 38.0#

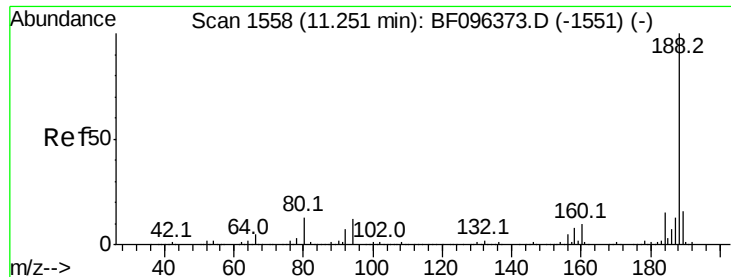
89 1.3 46.4 69.6#

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: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

Instrument :

BNA_F

ClientSampleId :

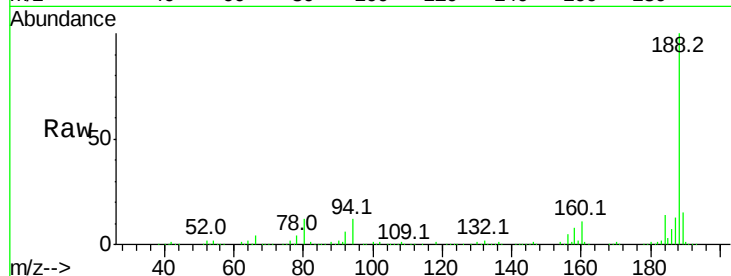
Tot Ion:188 Resp: 318787

Ion Ratio Lower Upper

188 100

94 11.8 9.4 14.2

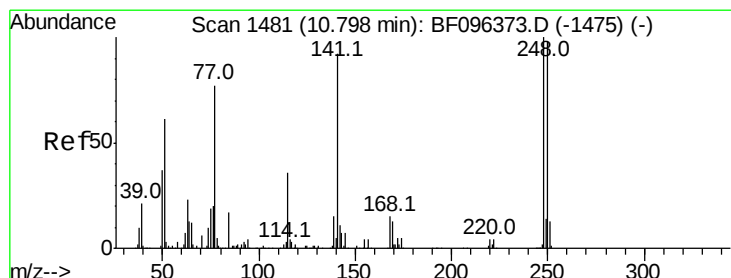
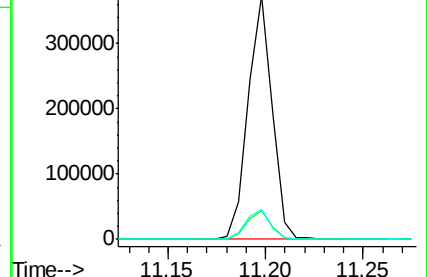
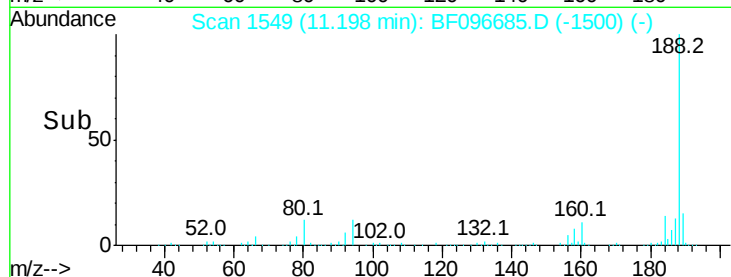
80 12.1 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 3.084 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.26 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

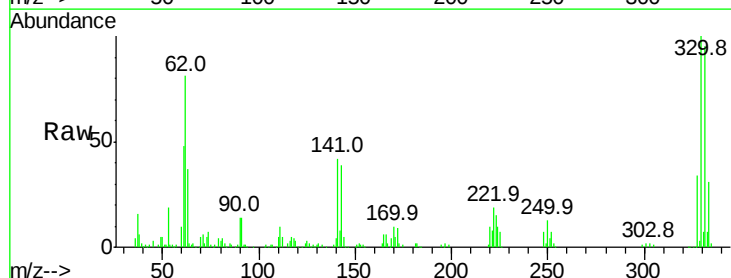
Tgt Ion:248 Resp: 9569

Ion Ratio Lower Upper

248 100

250 196.5 76.8 115.2#

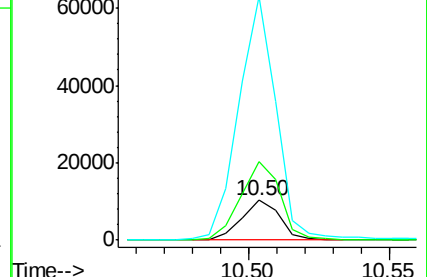
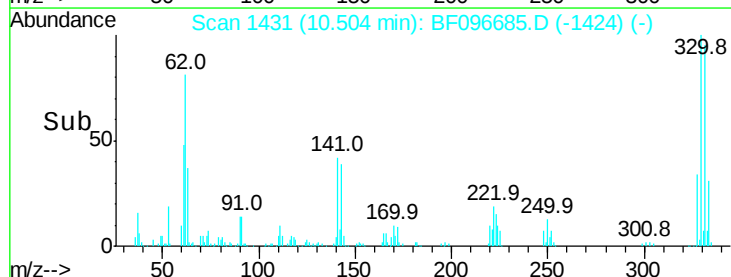
141 612.1 68.6 103.0#

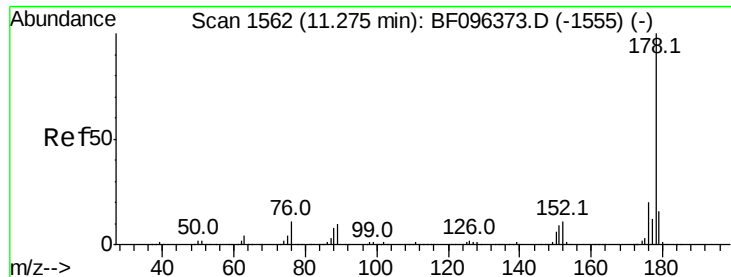


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 7.270 ng

RT: 11.22 min Scan# 1553

Delta R.T. -0.02 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

Instrument :

BNA_F

ClientSampleId :

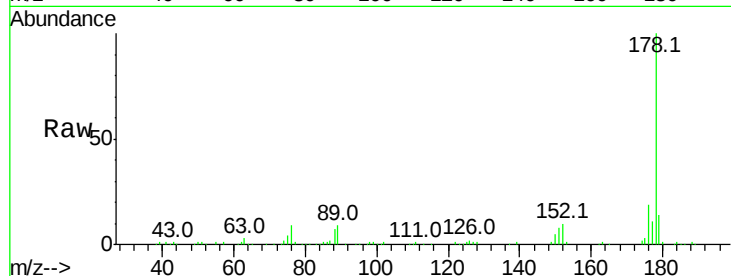
Tot Ion:178 Resp: 125286

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

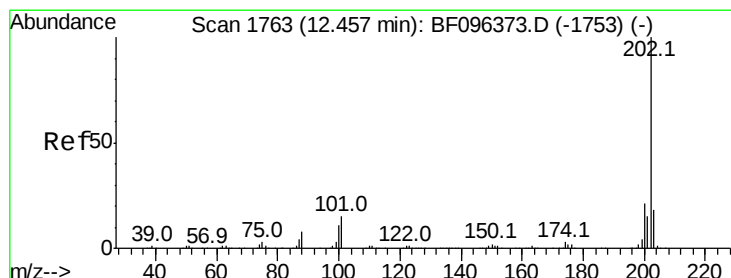
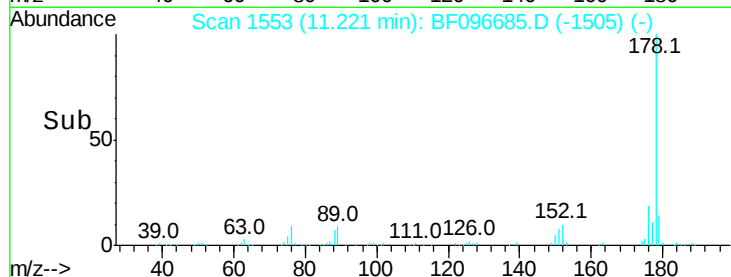
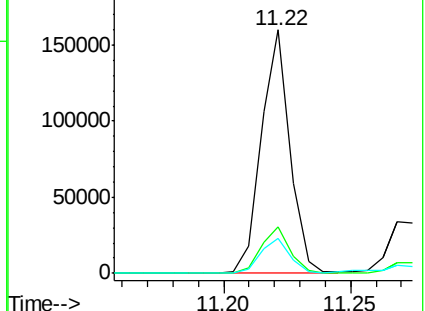
179 14.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 10.482 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

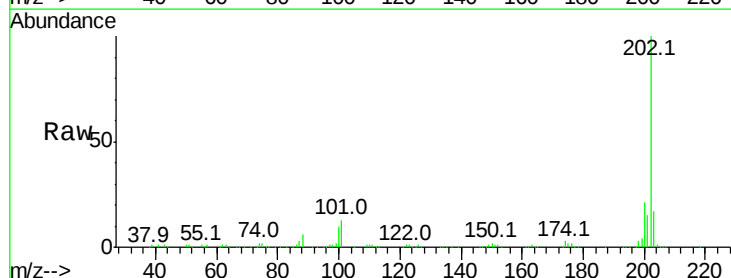
Tgt Ion:202 Resp: 177097

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.2

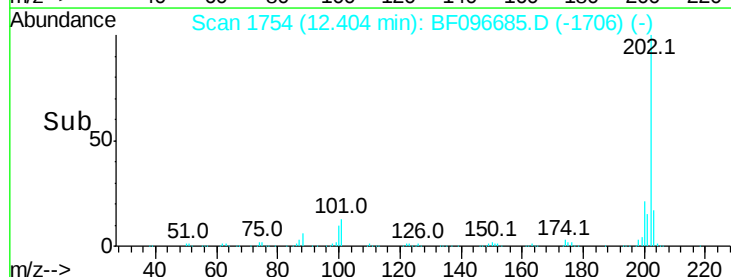
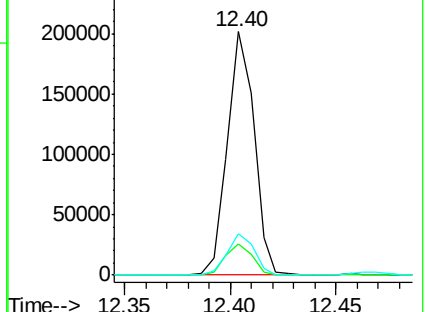
203 17.1 0.0 38.1

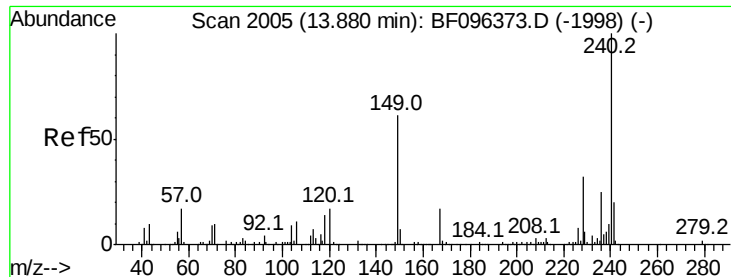


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

Instrument :

BNA_F

ClientSampleId :

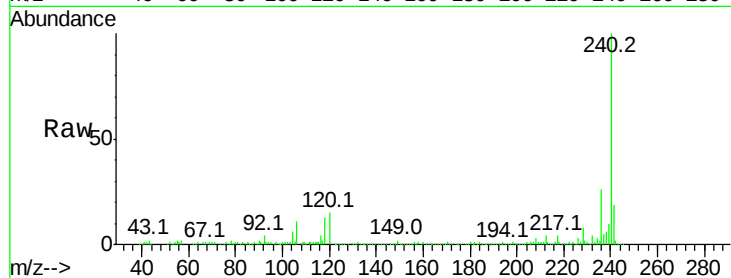
Tot Ion:240 Resp: 226403

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

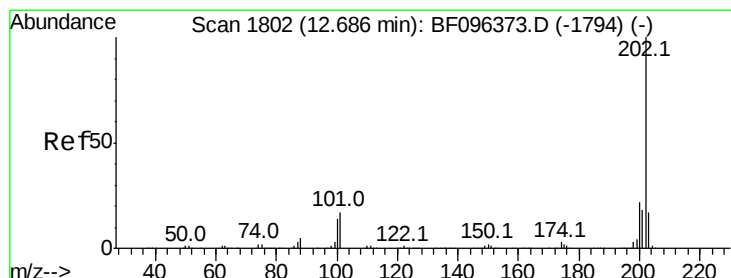
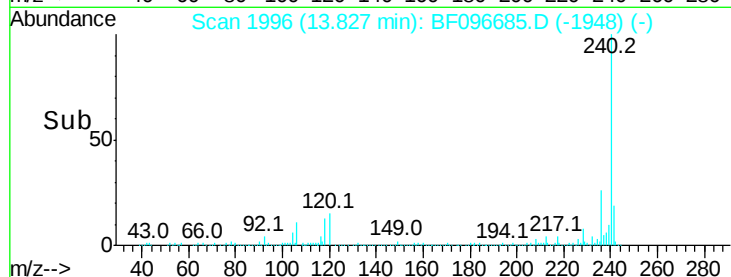
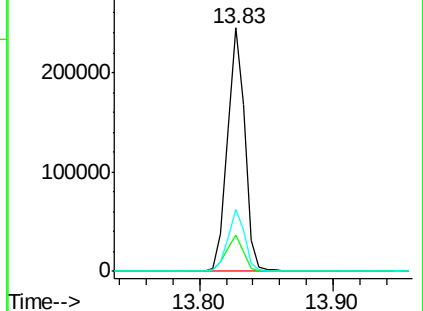
236 25.5 20.5 30.7



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

Pyrene

Concen: 9.578 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

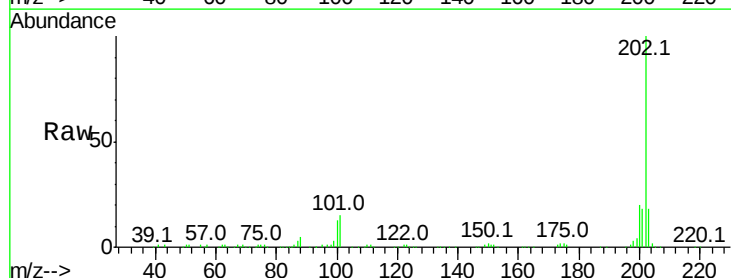
Tgt Ion:202 Resp: 174057

Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

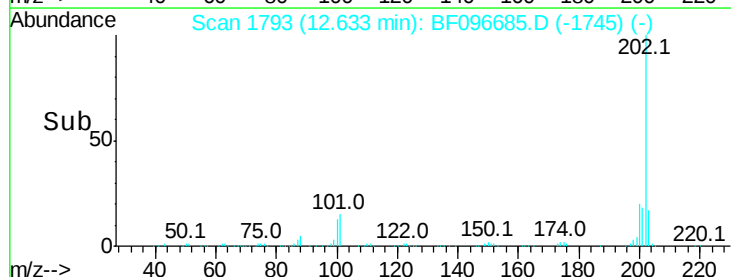
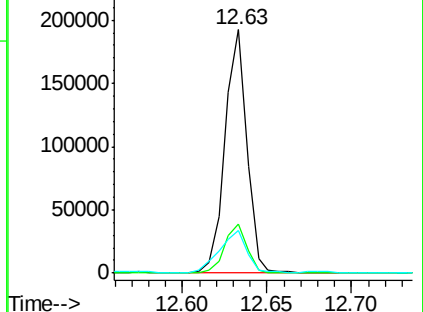
203 17.6 14.4 21.6

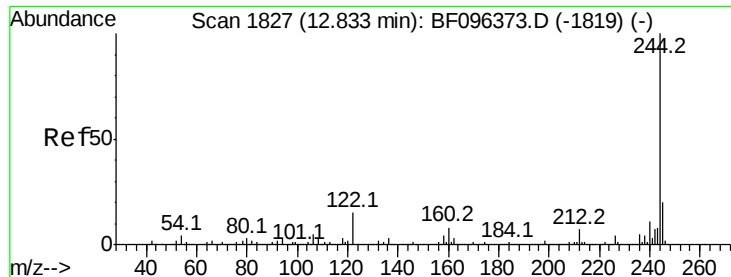


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

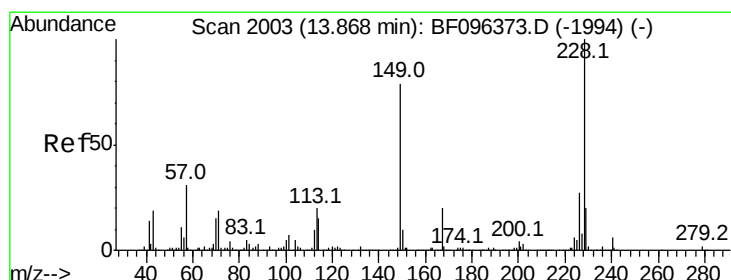
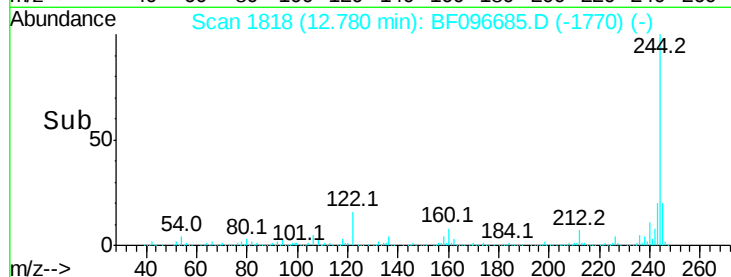
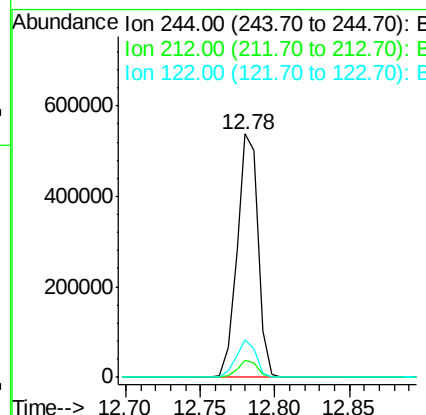
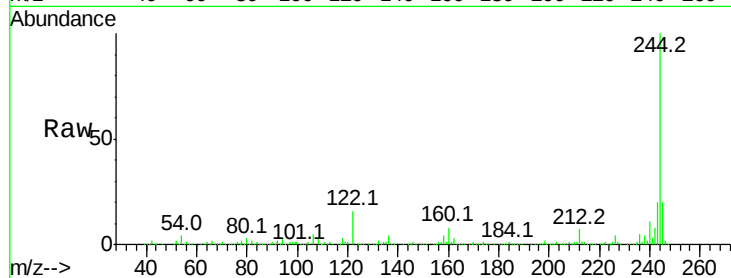




#78
 Terphenyl-d14
 Concen: 50.212 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF096685.D
 Acq: 12 Jul 2017 11:11

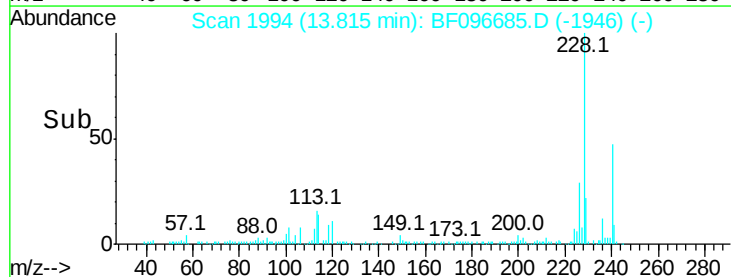
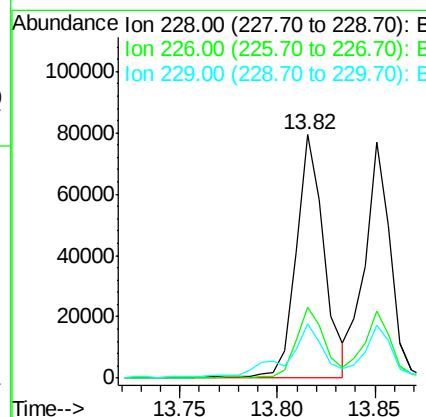
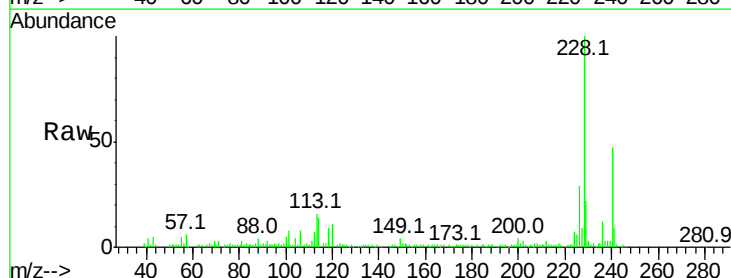
Instrument :
 BNA_F
 ClientSampleId :

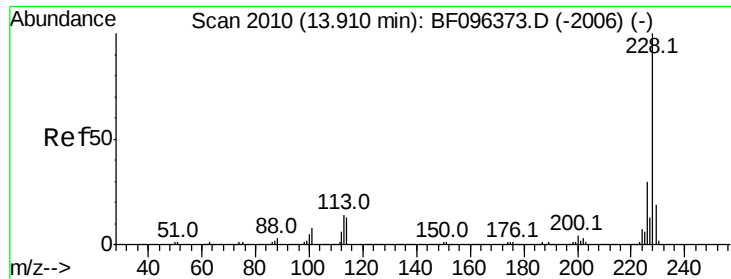
Tot Ion:244 Resp: 532004
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 15.5 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 6.078 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.02 min
 Lab File: BF096685.D
 Acq: 12 Jul 2017 11:11

Tgt Ion:228 Resp: 79682
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.6 33.8
 229 22.1 16.3 24.5





#82

Chrysene

Concen: 5.145 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

Instrument :

BNA_F

ClientSampleId :

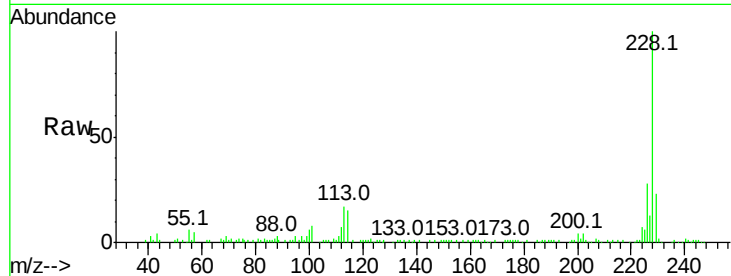
Tot Ion:228 Resp: 70641

Ion Ratio Lower Upper

228 100

226 28.3 24.9 37.3

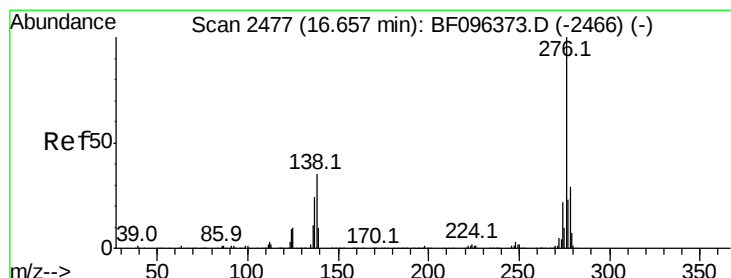
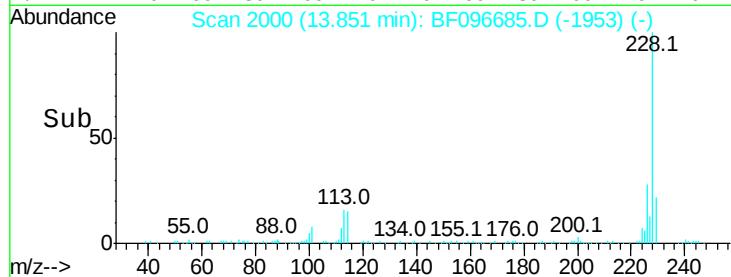
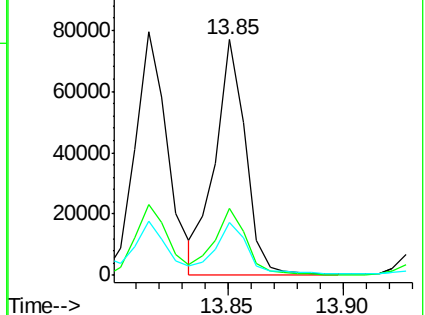
229 22.6 15.8 23.6



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: 2.432 ng

RT: 16.57 min Scan# 2462

Delta R.T. -0.04 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

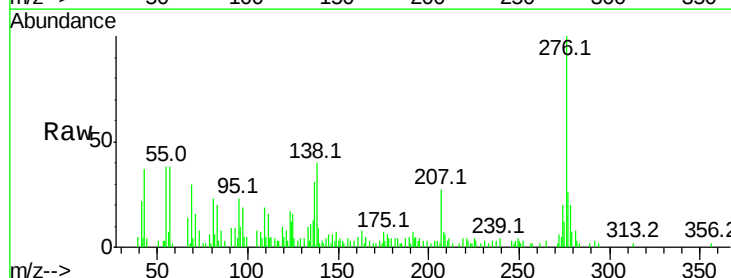
Tgt Ion:276 Resp: 26357

Ion Ratio Lower Upper

276 100

138 32.9 27.8 41.6

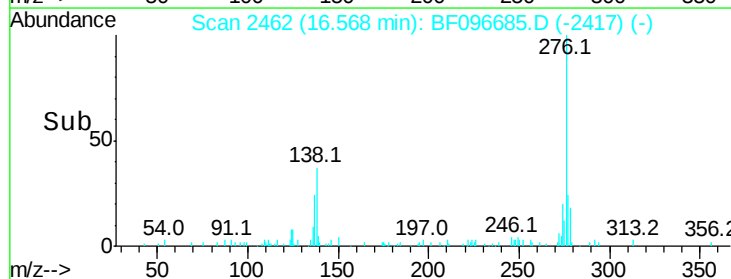
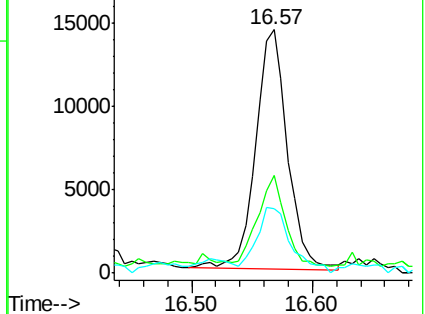
277 29.6 20.2 30.4

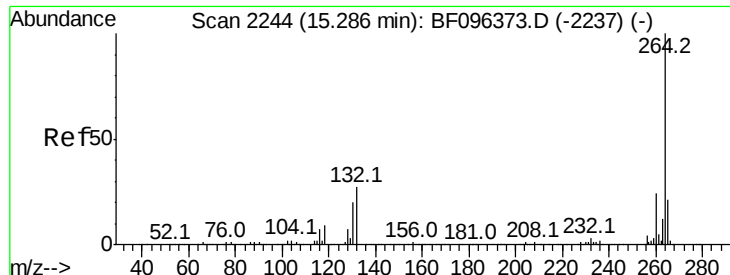


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

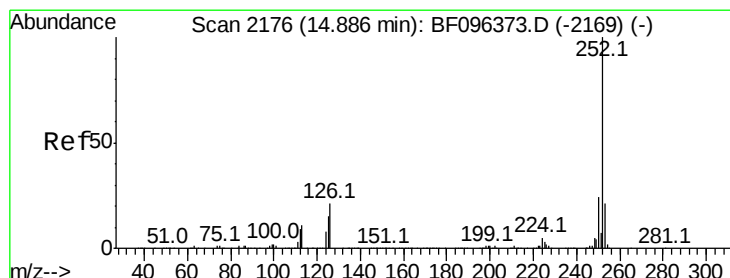
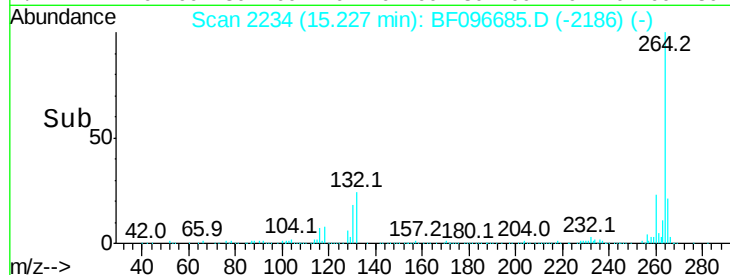
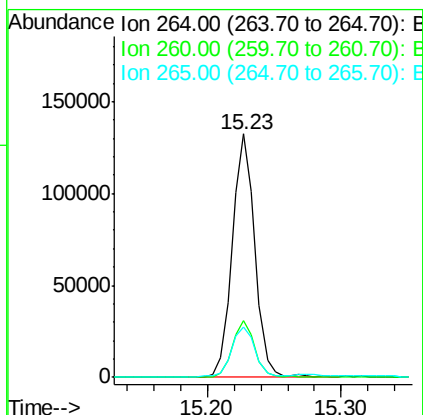
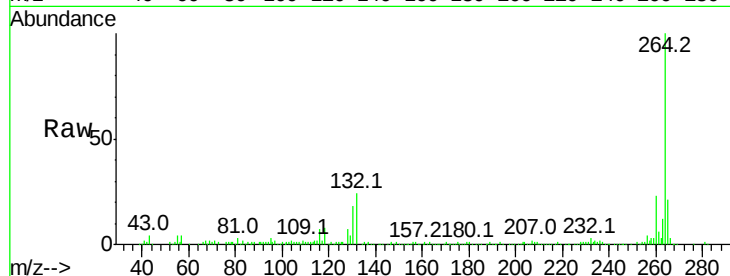




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF096685.D
Acq: 12 Jul 2017 11:11

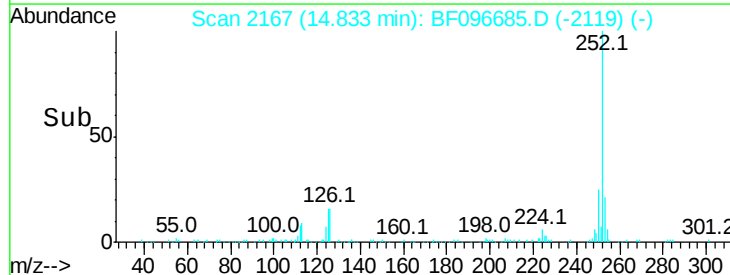
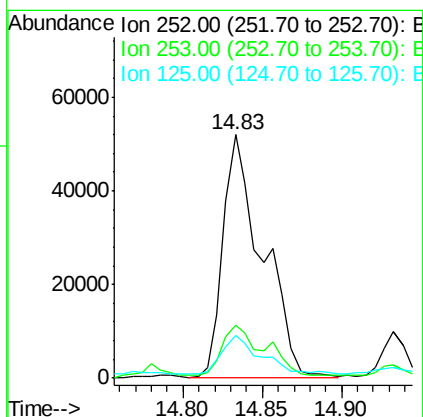
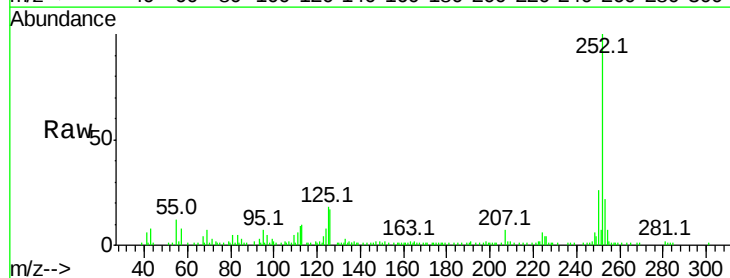
Instrument :
BNA_F
ClientSampleId :

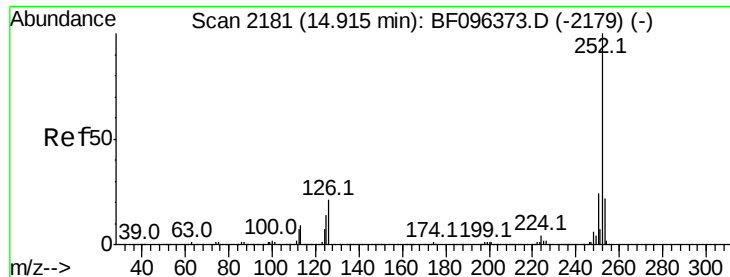
Tot Ion:264 Resp: 157033
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 20.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.192 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF096685.D
Acq: 12 Jul 2017 11:11

Tgt Ion:252 Resp: 90447
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 17.6 9.8 14.8#

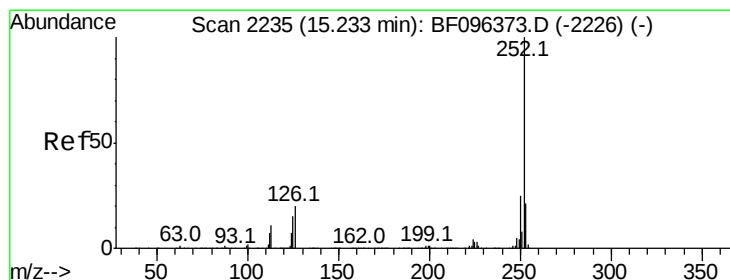
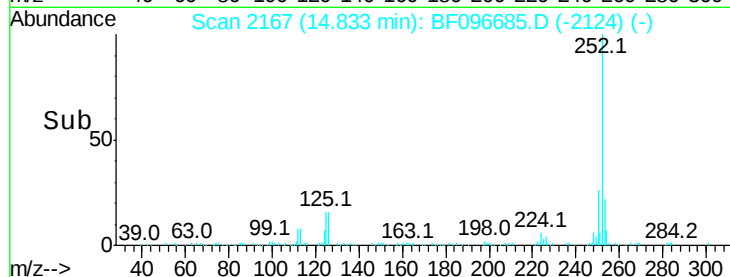
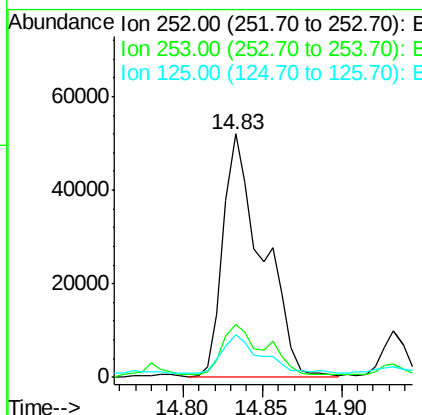
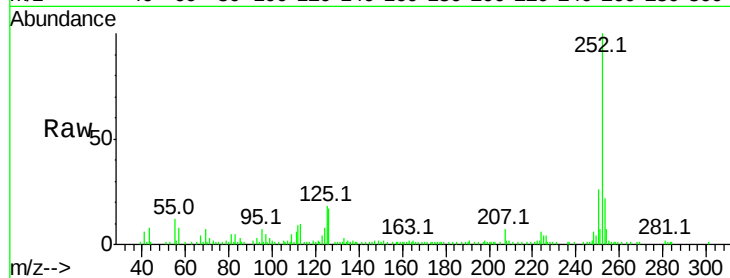




#88
Benzo(k)fluoranthene
Concen: 10.276 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.05 min
Lab File: BF096685.D
Acq: 12 Jul 2017 11:11

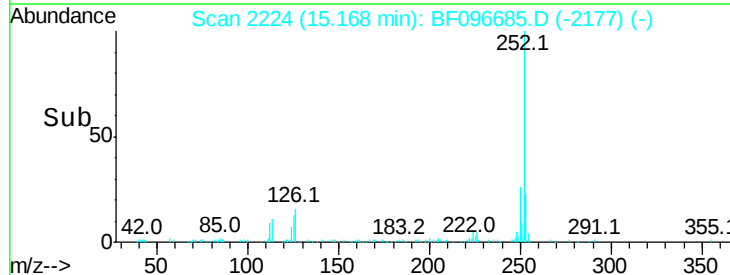
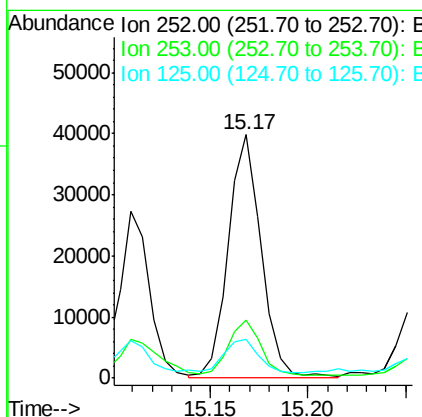
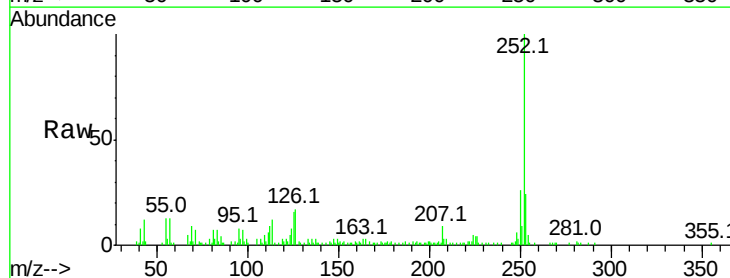
Instrument :
BNA_F
ClientSampleId :

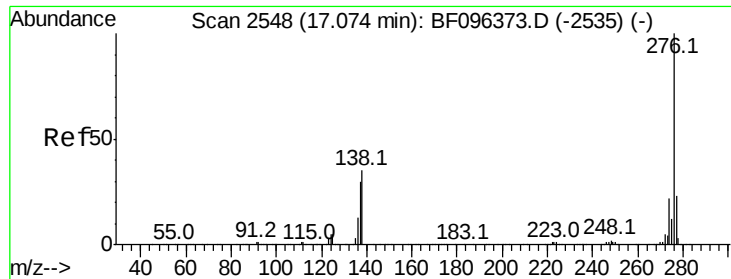
Tot Ion:252 Resp: 90447
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 17.6 13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.331 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF096685.D
Acq: 12 Jul 2017 11:11

Tgt Ion:252 Resp: 46831
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 15.7 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 3.486 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.04 min

Lab File: BF096685.D

Acq: 12 Jul 2017 11:11

Instrument :

BNA_F

ClientSampleId :

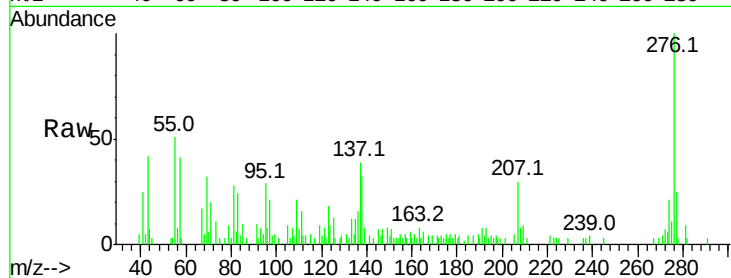
Tot Ion:276 Resp: 24962

Ion Ratio Lower Upper

276 100

277 24.8 18.6 28.0

138 32.0 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

