

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101480.D
 Acq On : 18 Dec 2017 15:04
 Operator : SJ/JU
 Sample : I6680-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-121417-A

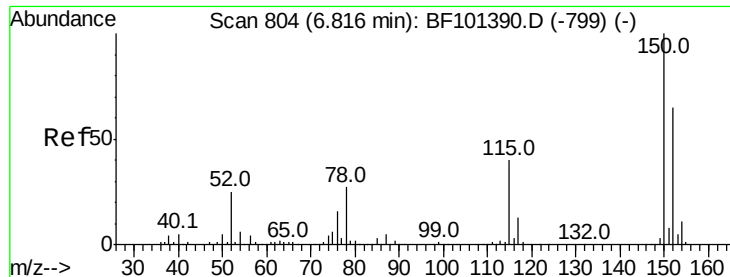
Quant Time: Dec 18 15:42:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	193681	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	741823	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	296737	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	479507	20.00	ng	0.00
75) Chrysene-d12	13.99	240	344276	20.00	ng	0.00
86) Perylene-d12	15.46	264	305394	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1247341	95.93	ng	0.02
7) Phenol-d6	6.45	99	1507475	93.16	ng	0.00
23) Nitrobenzene-d5	7.38	82	957494	71.85	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	279523	97.76	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1376593	71.96	ng	0.00
78) Terphenyl-d14	12.92	244	1001039	70.10	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.46	94	58544	3.174	ng	91
19) n-Nitroso-di-n-propylamine	7.38	70	129871	12.221	ng	# 80
25) Isophorone	7.38	82	957489	35.816	ng	# 64
32) Benzoic acid	8.09	122	112	7.974	ng	# 1
49) Dimethylphthalate	9.56	163	159524	6.683	ng	99
56) 2,4-Dinitrotoluene	9.85	165	38767	7.093	ng	# 23
66) 4-Bromophenyl-phenylether	10.64	248	16751	3.109	ng	# 1
70) Phenanthrene	11.36	178	71256	2.672	ng	99
74) Fluoranthene	12.55	202	69958	2.499	ng	99
77) Pyrene	12.79	202	69630	2.695	ng	99
87) Benzo(b)fluoranthene	15.03	252	47648	2.560	ng	# 75
88) Benzo(k)fluoranthene	15.03	252	47648	2.633	ng	# 79

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

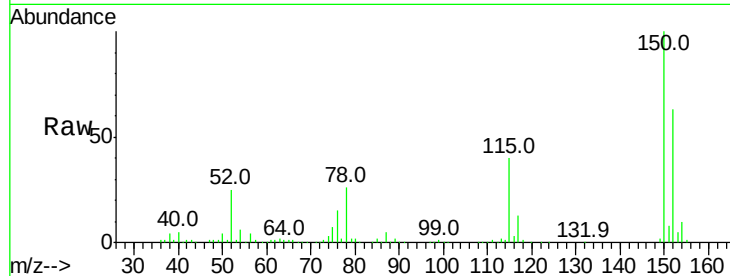


#1

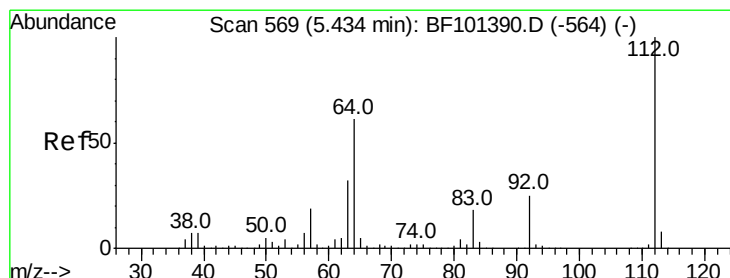
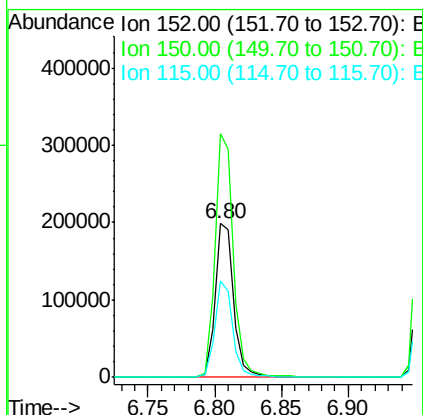
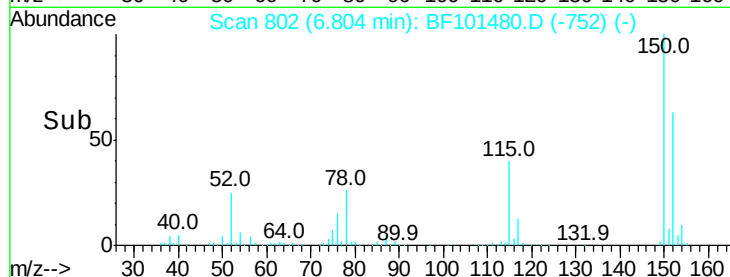
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF101480.D
Acq: 18 Dec 2017 15:04

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-A

Tot Ion:152 Resp: 193681
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 62.8 50.1 75.1



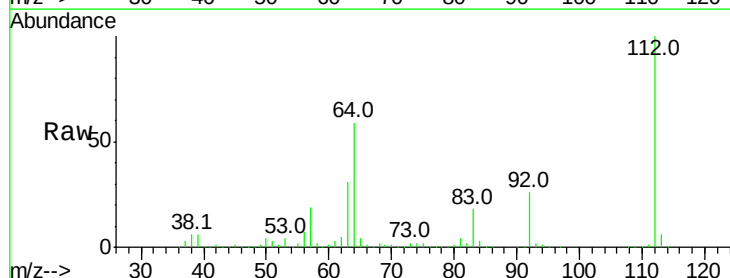
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



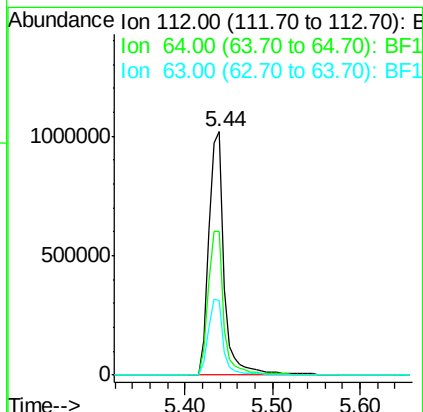
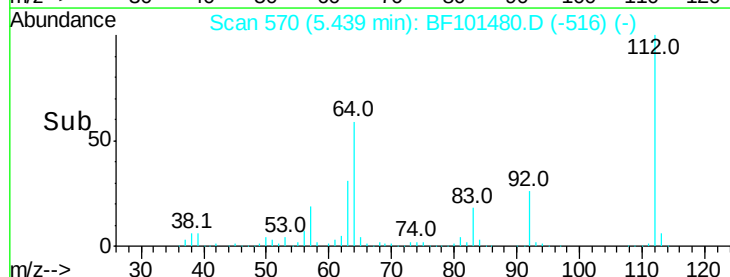
#5

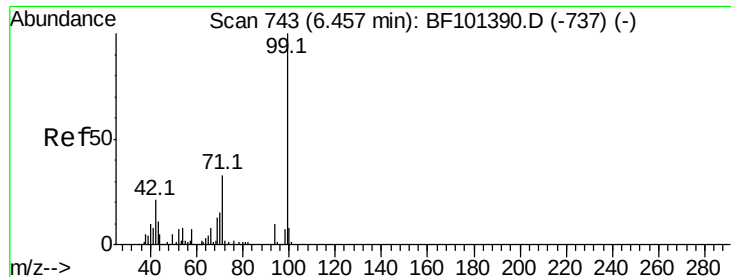
2-Fluorophenol
Concen: 95.932 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF101480.D
Acq: 18 Dec 2017 15:04

Tgt Ion:112 Resp: 1247341
Ion Ratio Lower Upper
112 100
64 59.2 47.9 71.9
63 30.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.158 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

Instrument :

BNA_F

ClientSampleId :

CL-02-121417-A

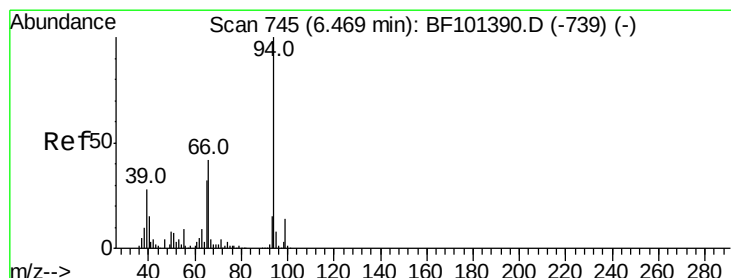
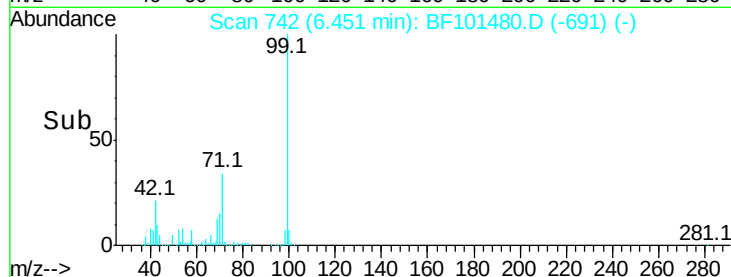
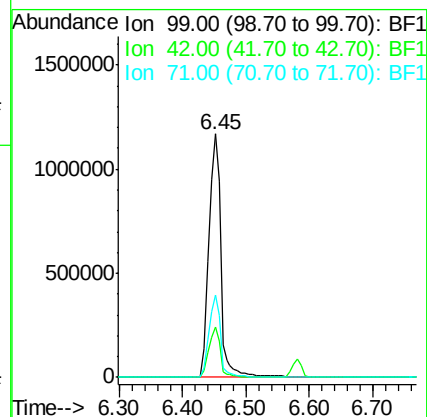
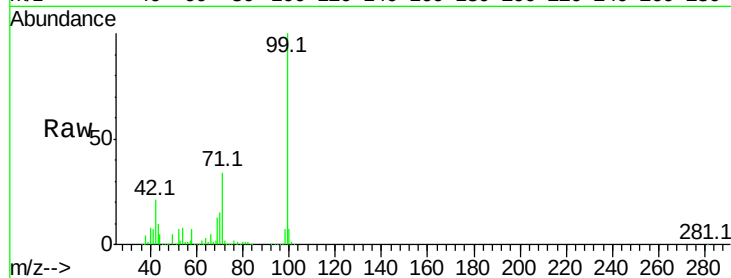
Tot Ion: 99 Resp: 1507475

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

71 33.9 25.4 38.0



#10

Phenol

Concen: 3.174 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

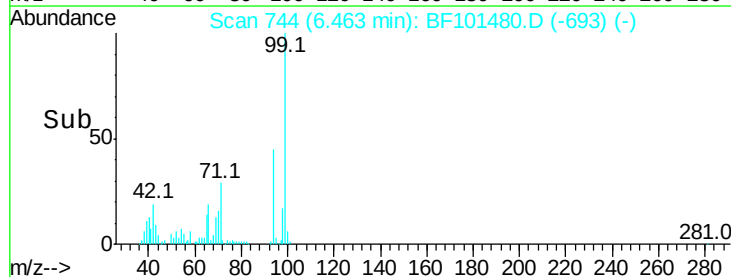
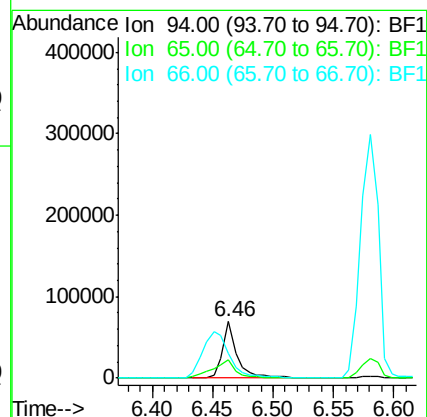
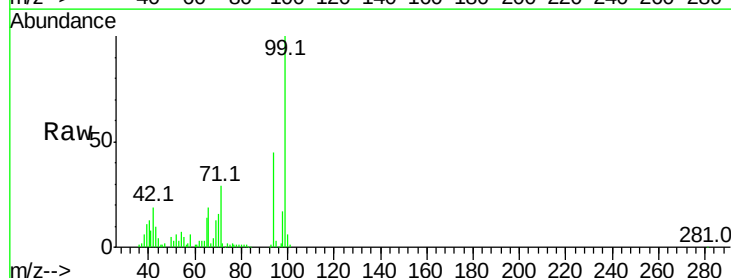
Tgt Ion: 94 Resp: 58544

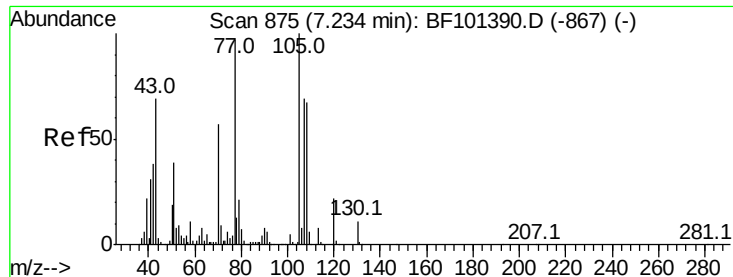
Ion Ratio Lower Upper

94 100

65 31.3 7.9 47.9

66 43.1 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 12.221 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

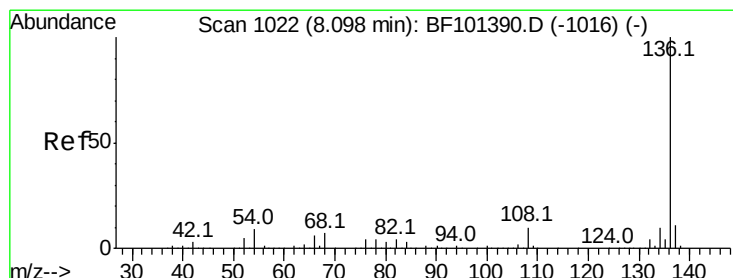
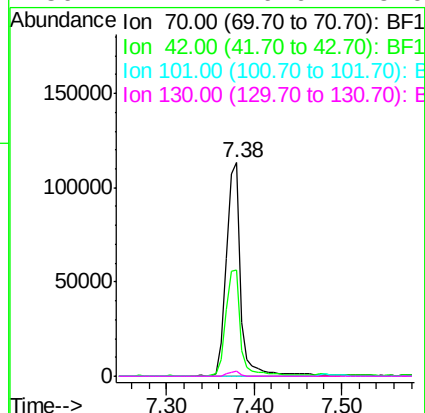
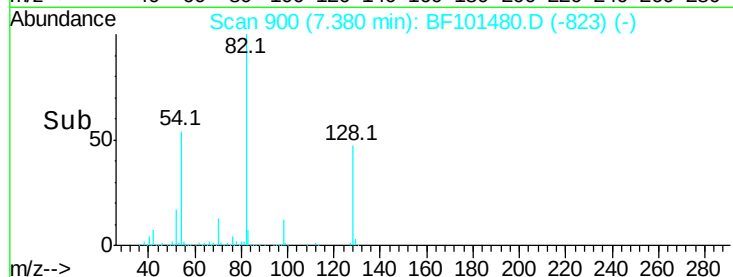
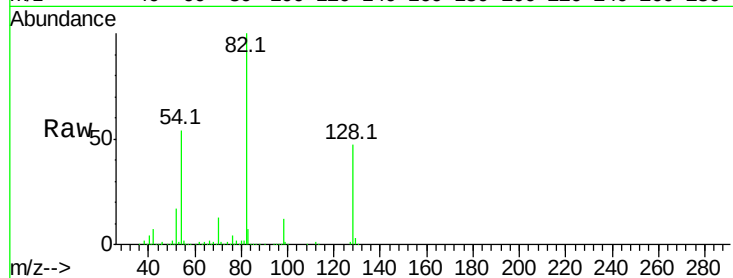
Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-A

Tot Ion: 70 Resp: 129871

Ion	Ratio	Lower	Upper
70	100		
42	49.9	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

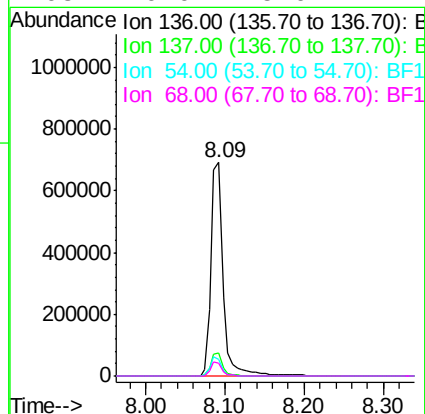
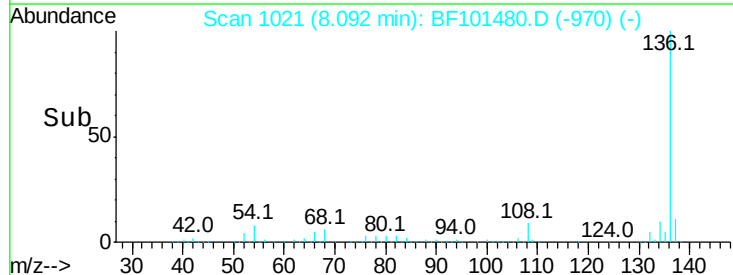
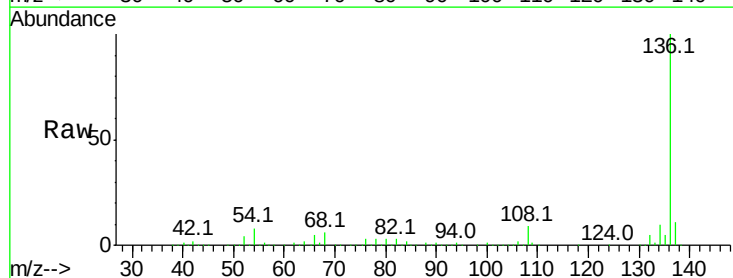
Delta R.T. -0.00 min

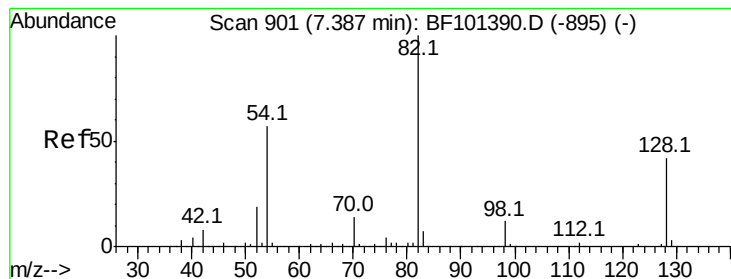
Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

Tgt Ion: 136 Resp: 741823

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.0	6.6	9.8
68	6.0	5.0	7.4





#23

Nitrobenzene-d5

Concen: 71.850 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.00 min

Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

Instrument :

BNA_F

ClientSampleId :

CL-02-121417-A

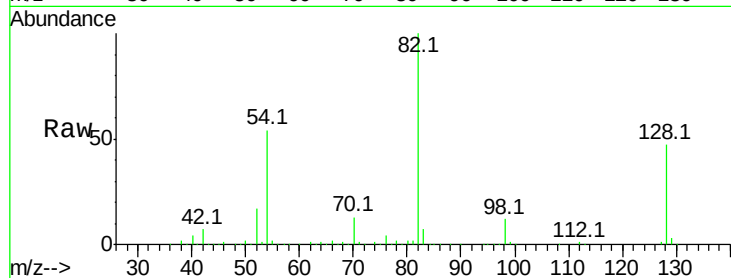
Tot Ion: 82 Resp: 957494

Ion Ratio Lower Upper

82 100

128 46.6 36.1 54.1

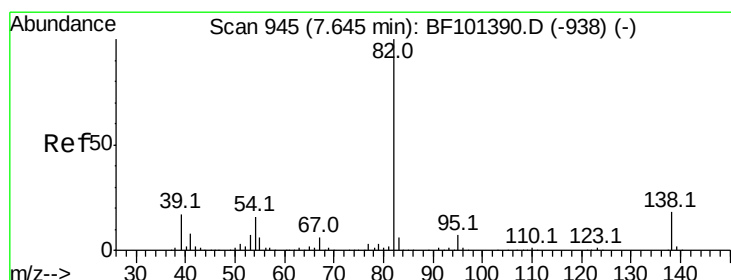
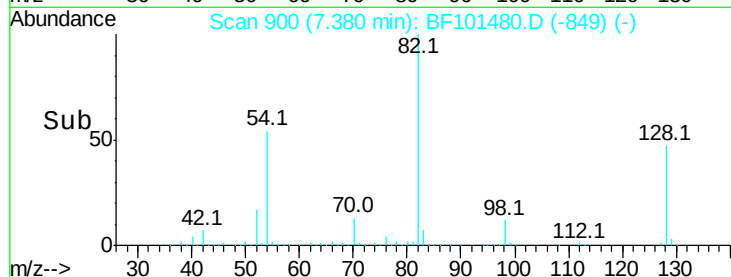
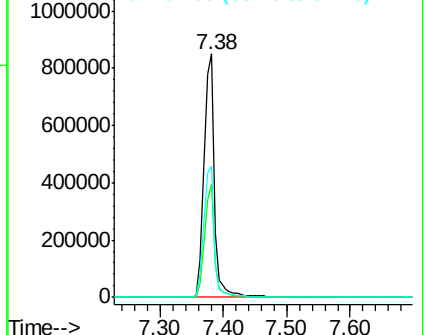
54 53.5 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 35.816 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.25 min

Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

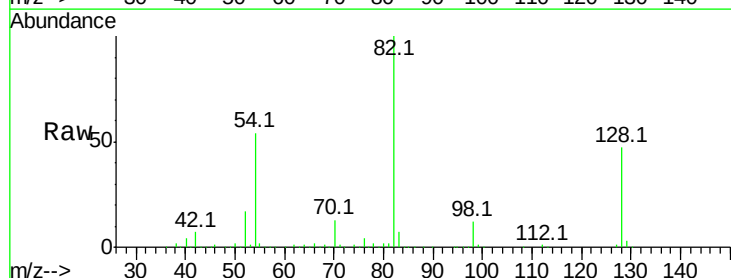
Tgt Ion: 82 Resp: 957489

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

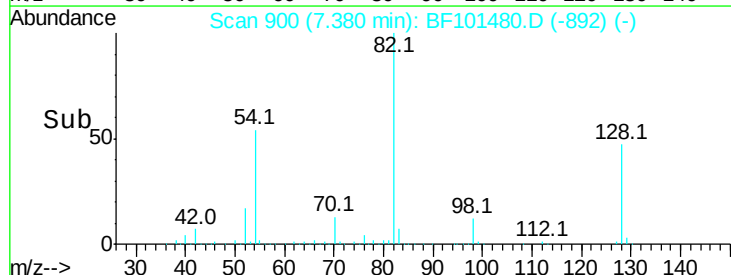
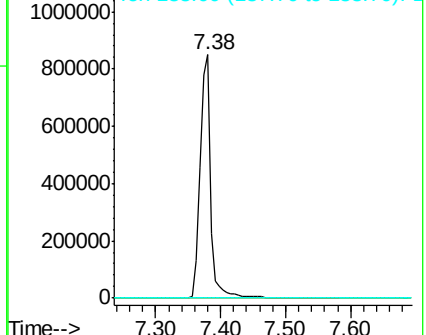
138 0.0 14.9 22.3#

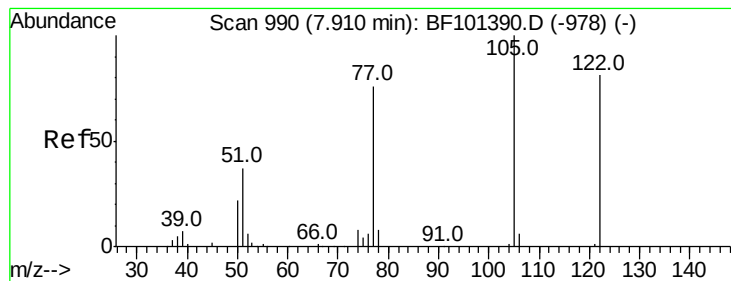


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#32

Benzoic acid

Concen: 7.974 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.18 min

Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

Instrument :

BNA_F

ClientSampleId :

CL-02-121417-A

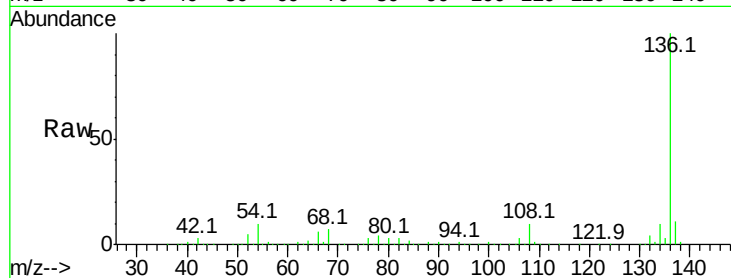
Tot Ion:122 Resp: 112

Ion Ratio Lower Upper

122 100

105 216.4 101.1 141.1#

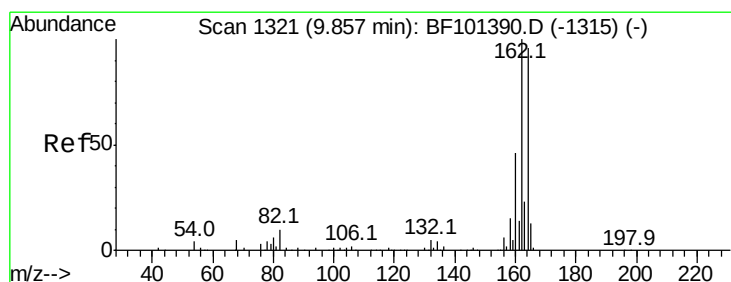
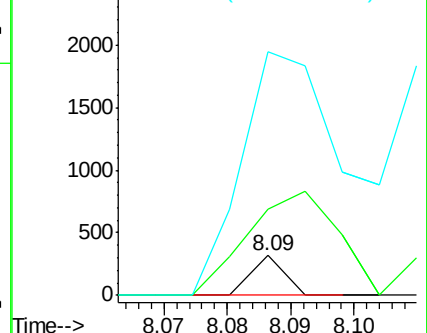
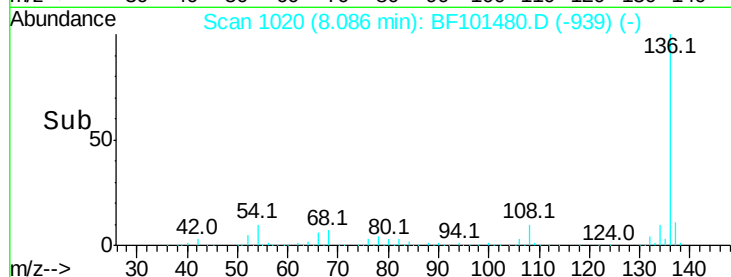
77 611.6 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

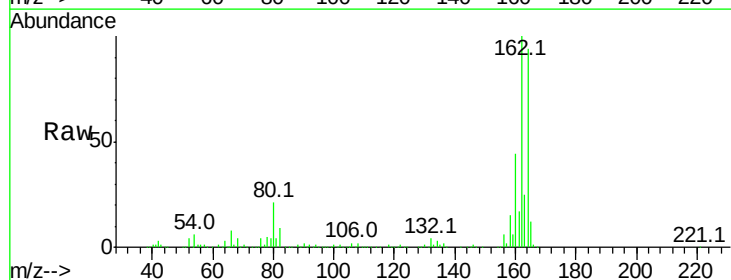
Tgt Ion:164 Resp: 296737

Ion Ratio Lower Upper

164 100

162 106.1 86.1 129.1

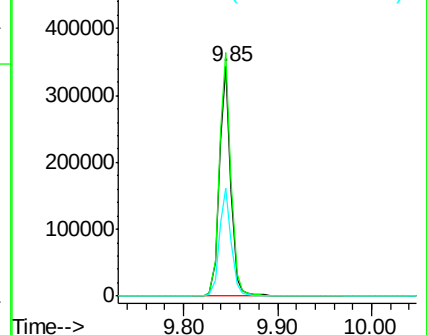
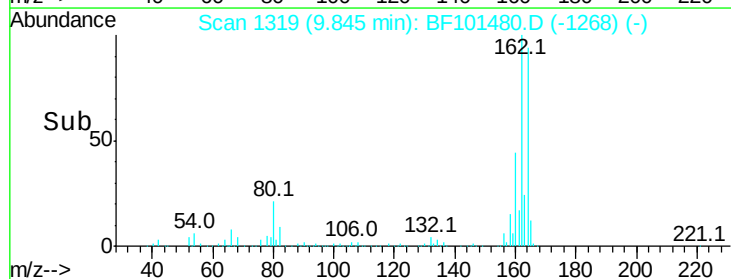
160 47.2 38.3 57.5

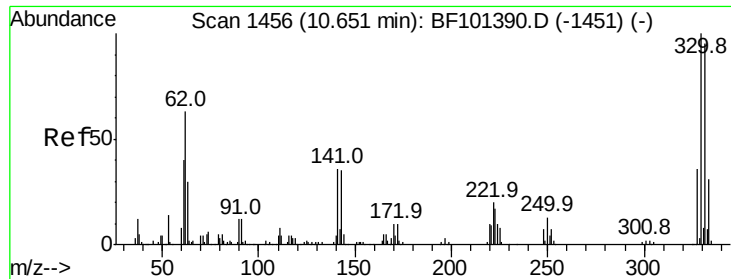


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

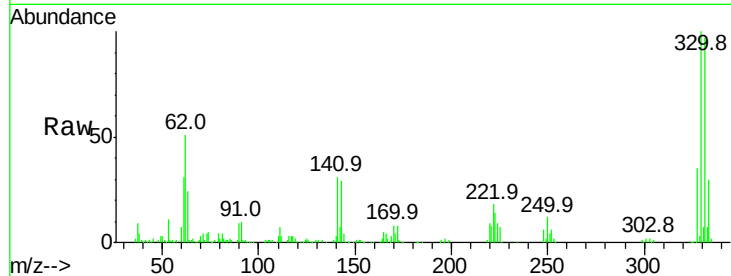




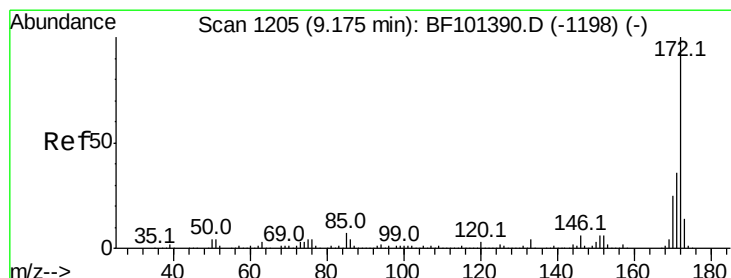
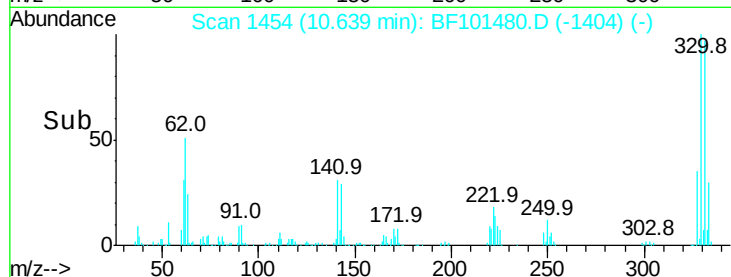
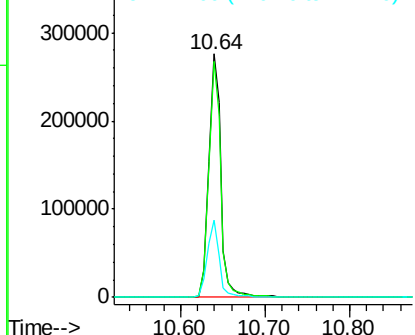
#41
 2,4,6-Tribromophenol
 Concen: 97.759 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF101480.D
 Acq: 18 Dec 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-121417-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	31.5	29.9	44.9

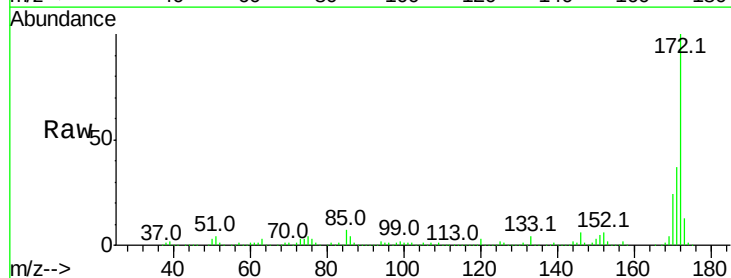


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

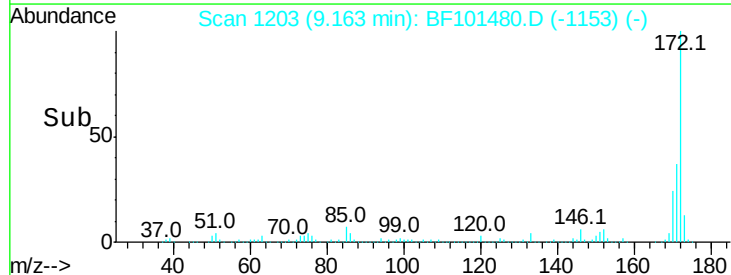
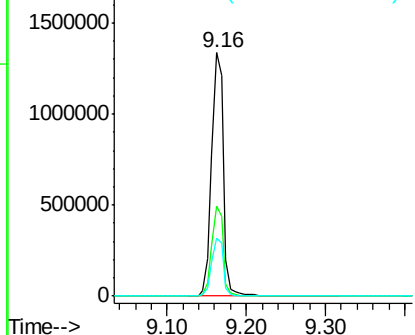


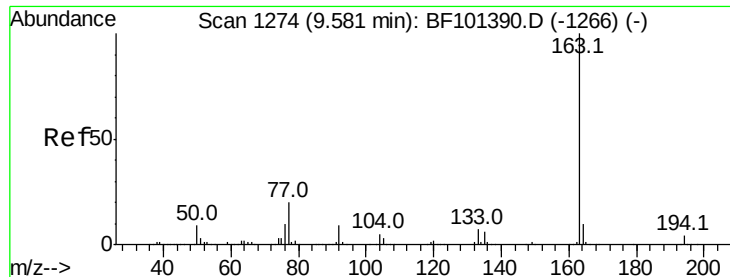
#44
 2-Fluorobiphenyl
 Concen: 71.964 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101480.D
 Acq: 18 Dec 2017 15:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.1	19.6	29.4



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: 6.683 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

Instrument :

BNA_F

ClientSampleId :

CL-02-121417-A

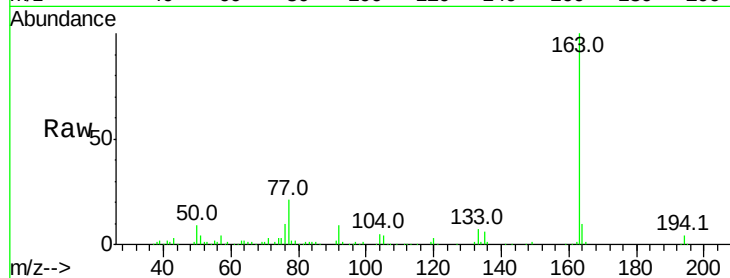
Tot Ion:163 Resp: 159524

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

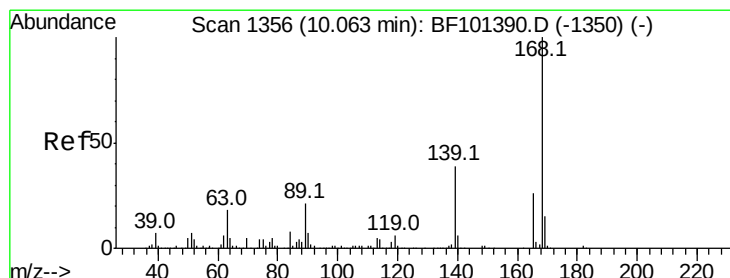
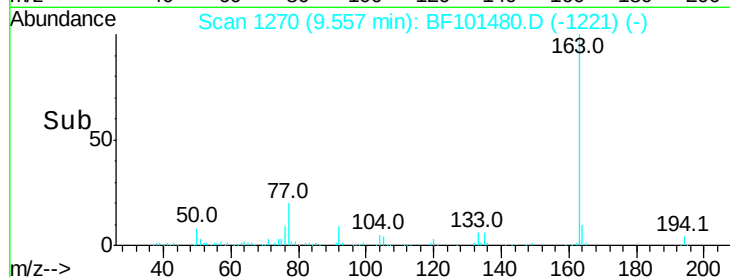
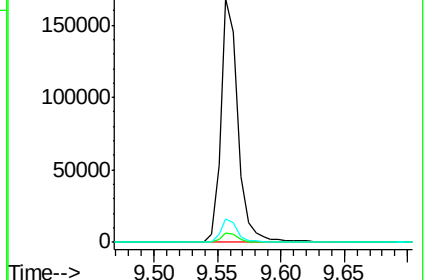
164 9.6 8.2 12.2



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: 7.093 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

Tgt Ion:165 Resp: 38767

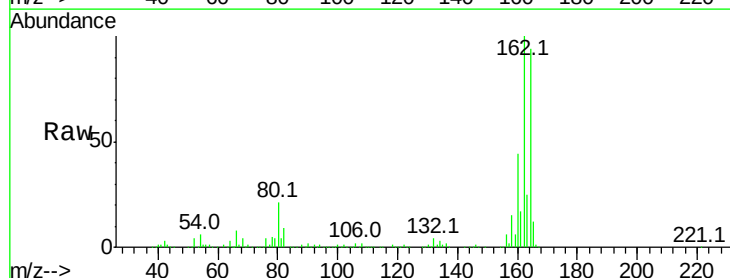
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

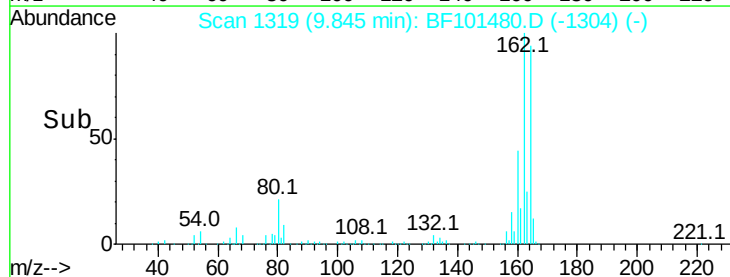
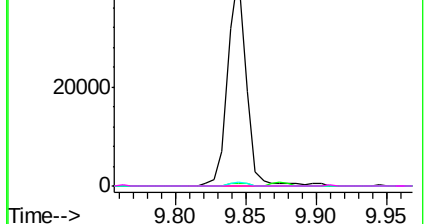


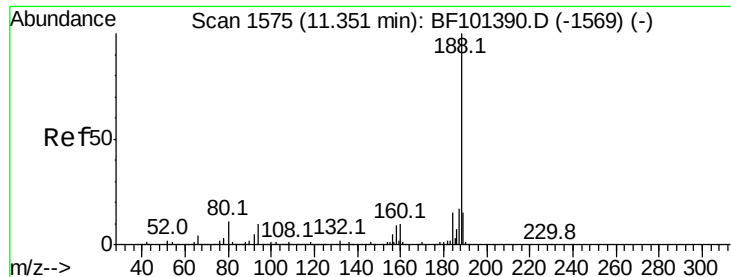
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

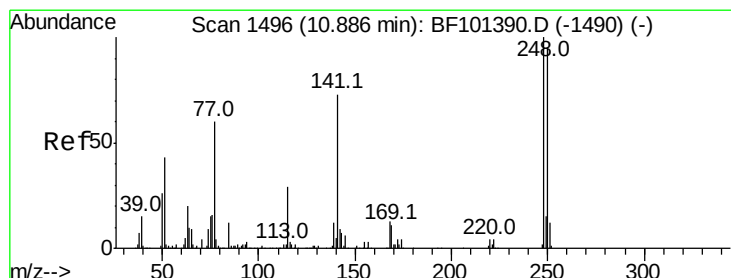
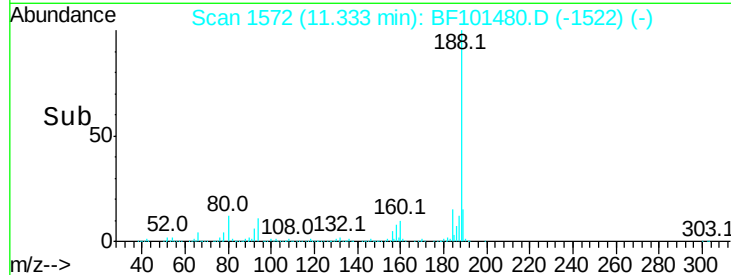
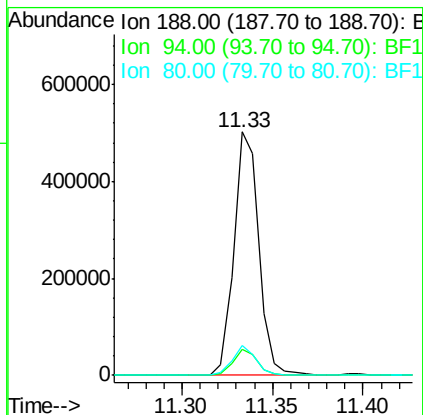
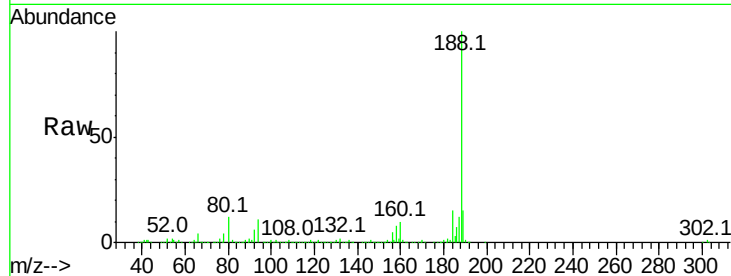




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF101480.D
Acq: 18 Dec 2017 15:04

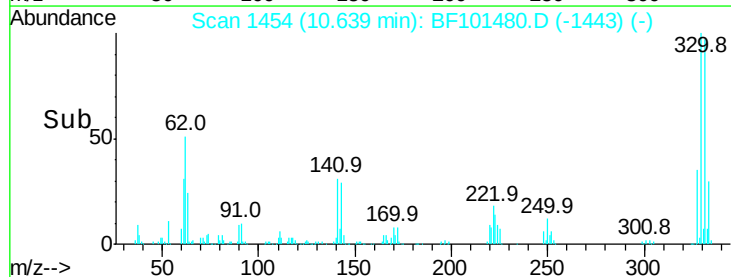
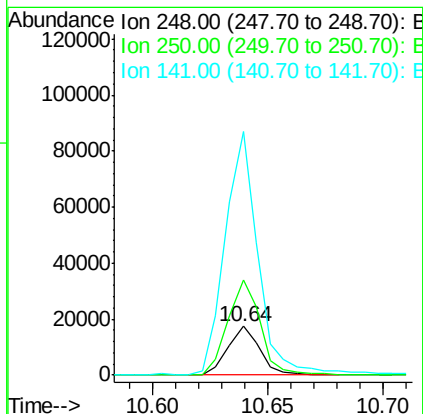
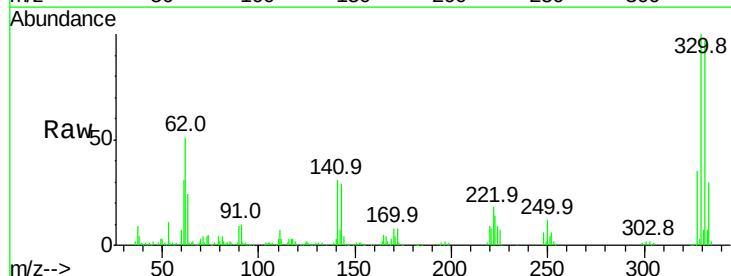
Instrument :
BNA_F
ClientSampleId :
CL-02-121417-A

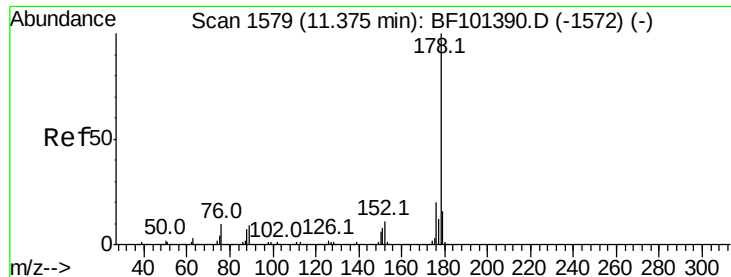
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	12.2	9.2	13.8



#66
4-Bromophenyl-phenylether
Concen: 3.109 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF101480.D
Acq: 18 Dec 2017 15:04

Tgt Ion	Ratio	Lower	Upper
248	100		
250	196.2	76.9	115.3#
141	499.1	74.4	111.6#





#70

Phenanthrene

Concen: 2.672 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

Instrument :

BNA_F

ClientSampleId :

CL-02-121417-A

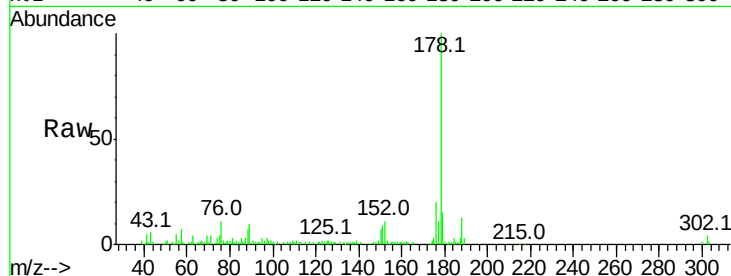
Tot Ion:178 Resp: 71256

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

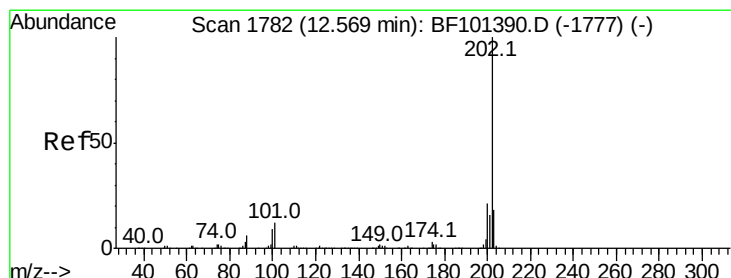
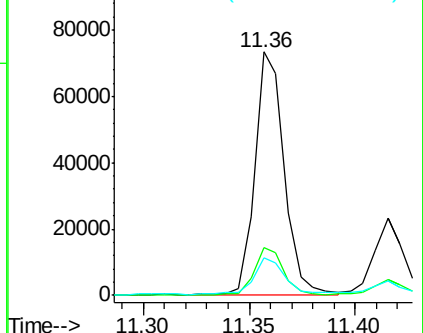
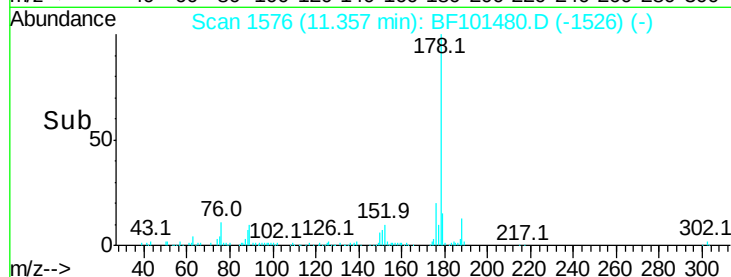
179 15.3 13.0 19.6



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: 2.499 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

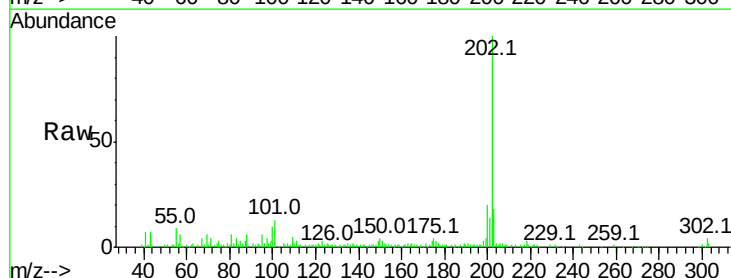
Tgt Ion:202 Resp: 69958

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

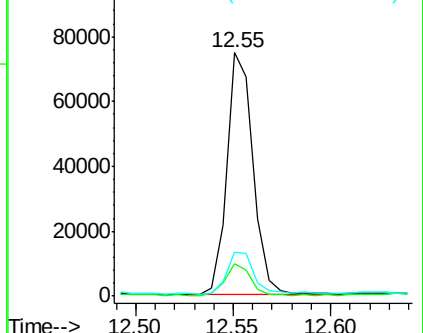
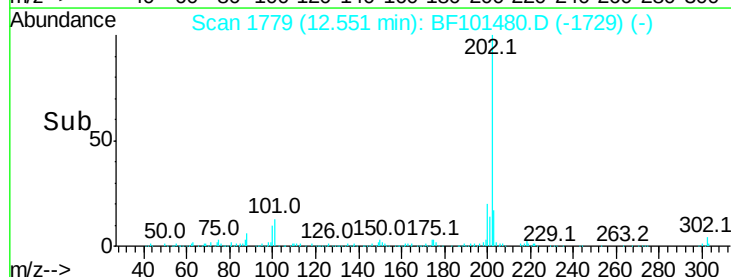
203 17.8 0.0 38.1

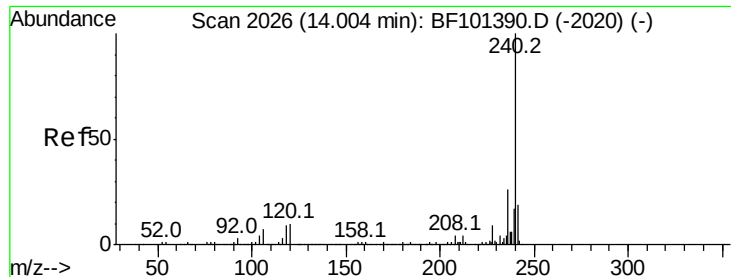


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

Instrument :

BNA_F

ClientSampleId :

CL-02-121417-A

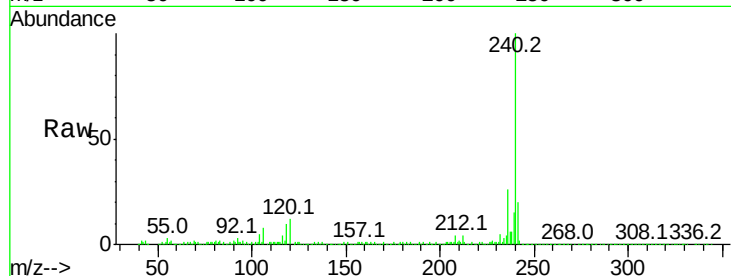
Tot Ion:240 Resp: 344276

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

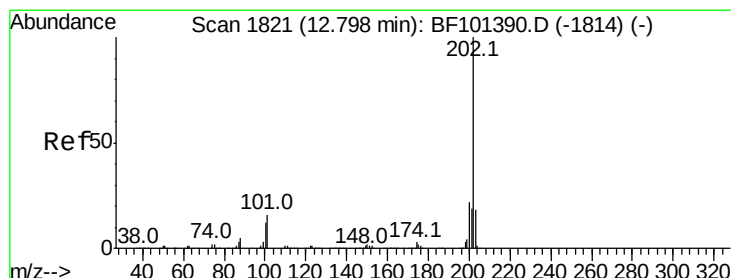
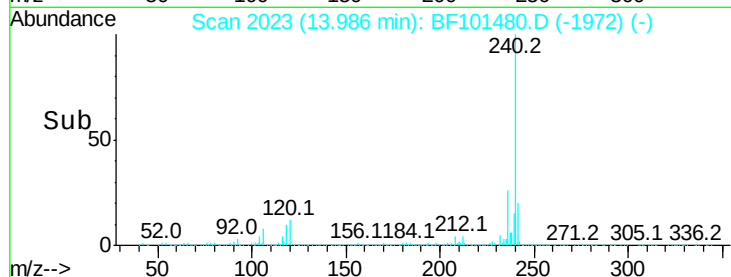
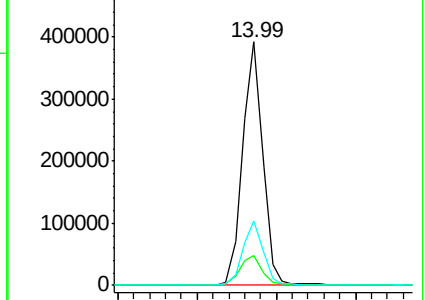
236 26.3 20.7 31.1



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: 2.695 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF101480.D

Acq: 18 Dec 2017 15:04

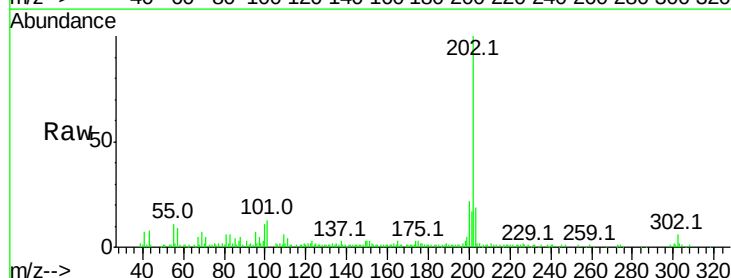
Tgt Ion:202 Resp: 69630

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

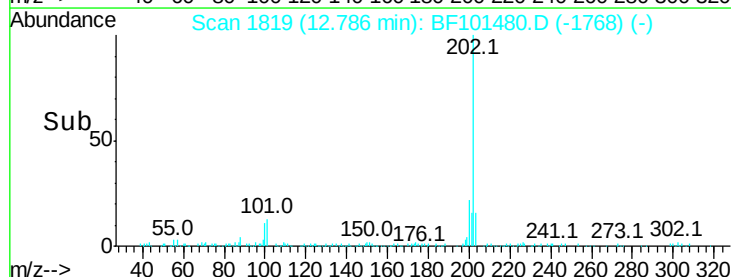
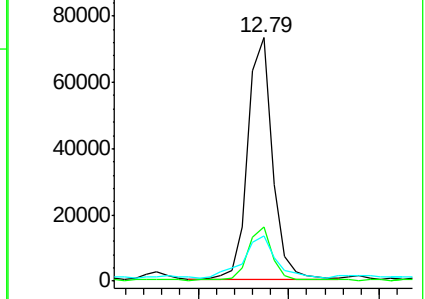
203 18.6 14.3 21.5

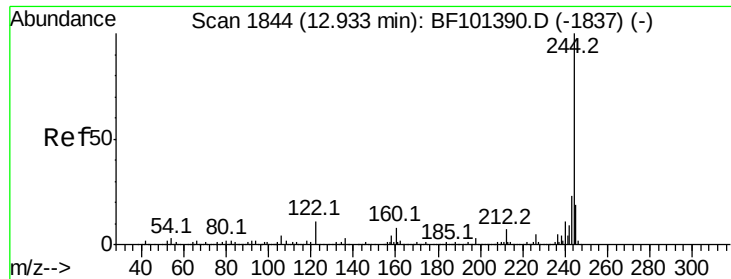


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

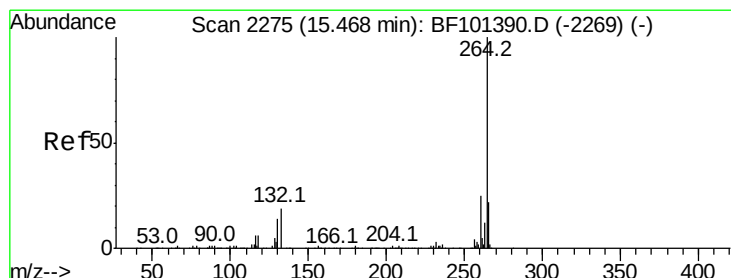
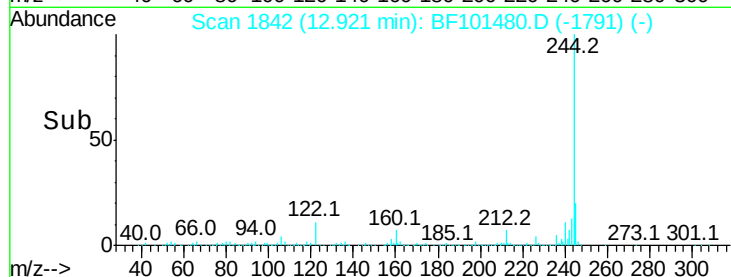
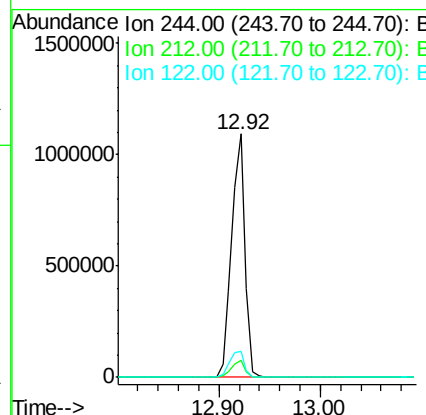
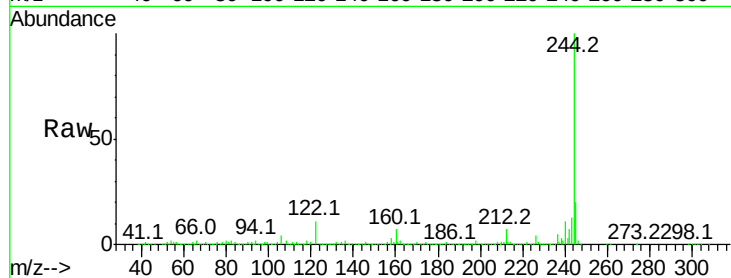




#78
 Terphenyl-d14
 Concen: 70.097 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF101480.D
 Acq: 18 Dec 2017 15:04

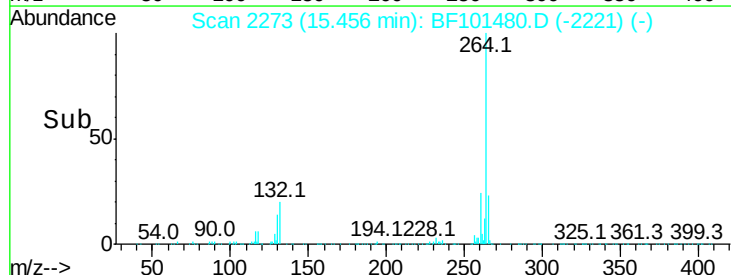
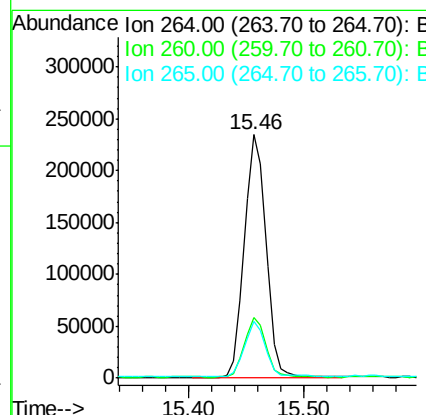
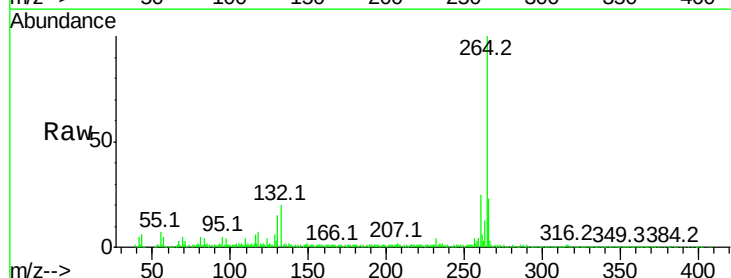
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-121417-A

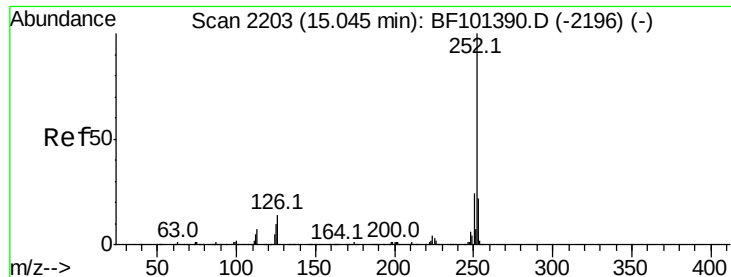
Tot Ion:244 Resp: 1001039
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.8 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: BF101480.D
 Acq: 18 Dec 2017 15:04

Tgt Ion:264 Resp: 305394
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.2 28.8
 265 23.1 17.5 26.3

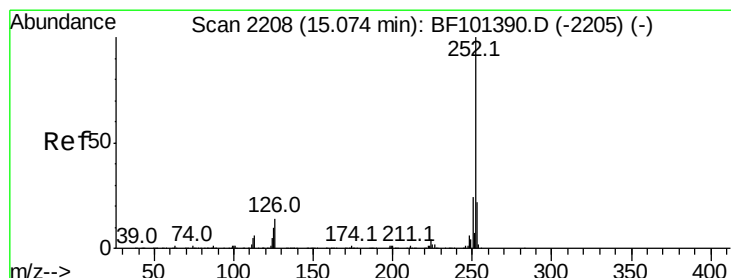
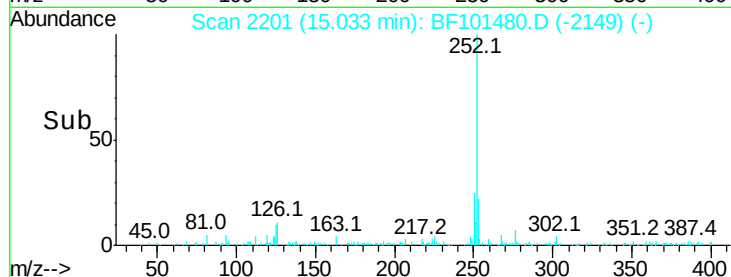
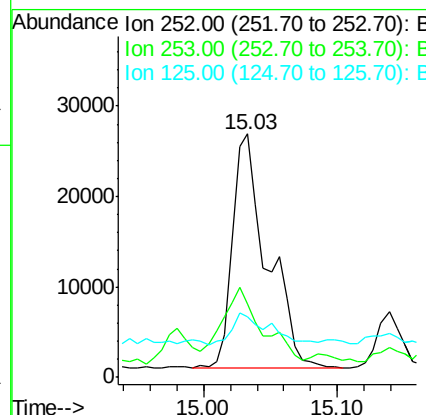
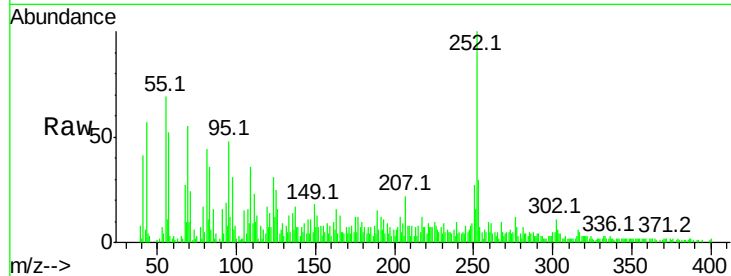




#87
Benzo(b)fluoranthene
Concen: 2.560 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101480.D
Acq: 18 Dec 2017 15:04

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-A

Tot Ion:252 Resp: 47648
Ion Ratio Lower Upper
252 100
253 30.2 17.0 25.6#
125 24.8 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.633 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF101480.D
Acq: 18 Dec 2017 15:04

Tgt Ion:252 Resp: 47648
Ion Ratio Lower Upper
252 100
253 30.2 17.9 26.9#
125 24.8 10.2 15.2#

