

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104457.D
 Acq On : 12 Apr 2018 18:02
 Operator : JU/SJ
 Sample : J2163-05 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 00:15:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

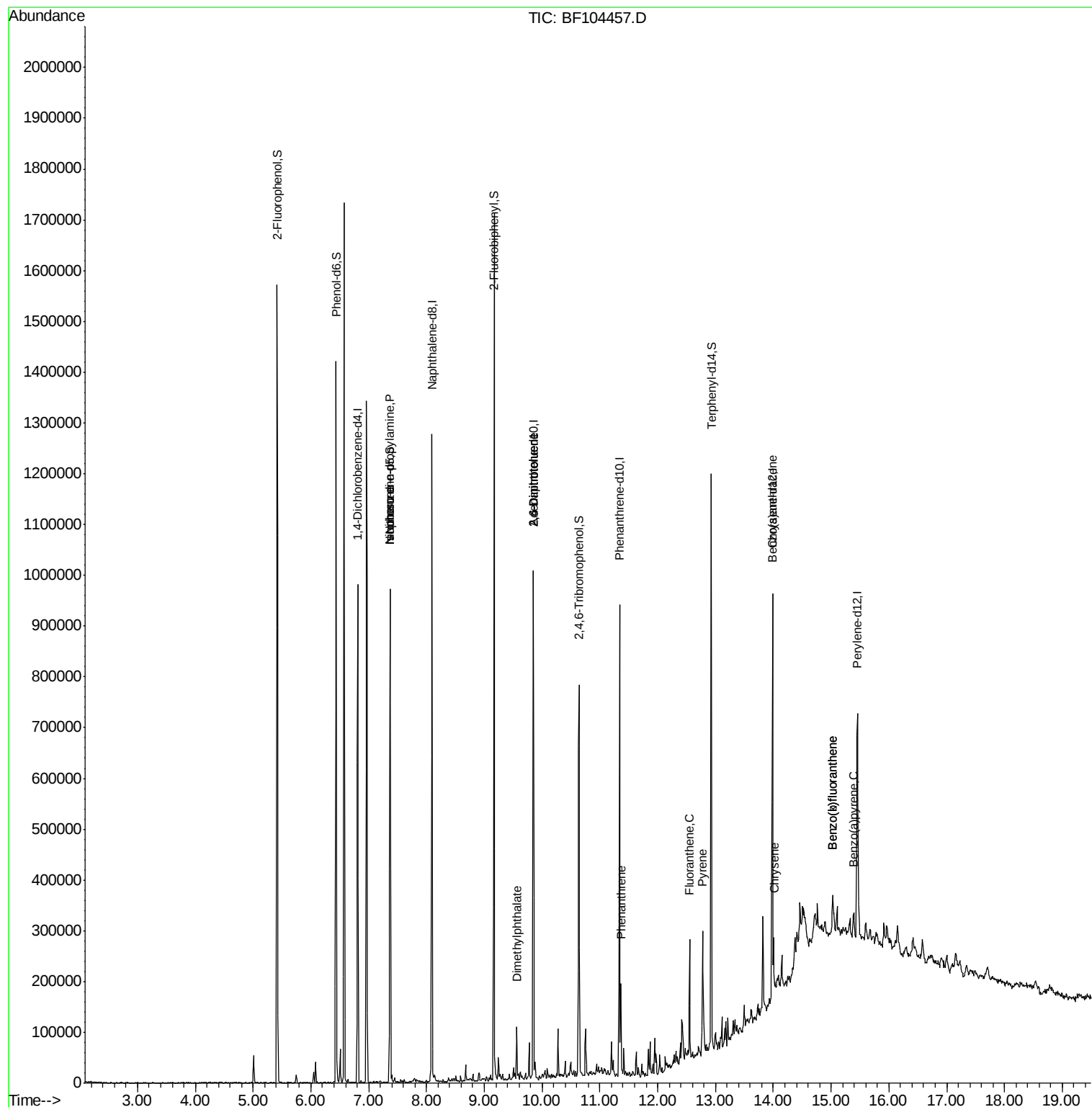
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	129874	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	500944	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	197629	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	307380	20.00	ng	0.00
75) Chrysene-d12	13.99	240	268835	20.00	ng	0.00
86) Perylene-d12	15.46	264	201722	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	433221	51.00	ng	0.00
7) Phenol-d6	6.43	99	503780	48.27	ng	-0.01
23) Nitrobenzene-d5	7.37	82	292818	38.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	88925	43.38	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	488759	39.07	ng	0.00
78) Terphenyl-d14	12.93	244	373614	31.68	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	9357	Below Cal		81
19) n-Nitroso-di-n-propylamine	7.37	70	38033	5.577 ng	#	74
25) Isophorone	7.37	82	292810	18.049 ng	#	64
49) Dimethylphthalate	9.56	163	32498	2.085 ng		98
50) 2,6-Dinitrotoluene	9.85	165	25952	8.999 ng	#	26
56) 2,4-Dinitrotoluene	9.85	165	25952	6.861 ng	#	24
70) Phenanthrene	11.36	178	64263	3.754 ng		97
74) Fluoranthene	12.55	202	80618	4.508 ng		98
76) Benzidine	12.93	184	5056	Below Cal	#	94
77) Pyrene	12.78	202	91457	4.590 ng		98
80) Benzo(a)anthracene	13.97	228	41782	2.602 ng		95
82) Chrysene	14.01	228	42193	2.558 ng		96
87) Benzo(b)fluoranthene	15.03	252	41069	3.224 ng	#	85
88) Benzo(k)fluoranthene	15.03	252	41069	3.414 ng	#	88
89) Benzo(a)pyrene	15.39	252	22956	2.014 ng	#	88

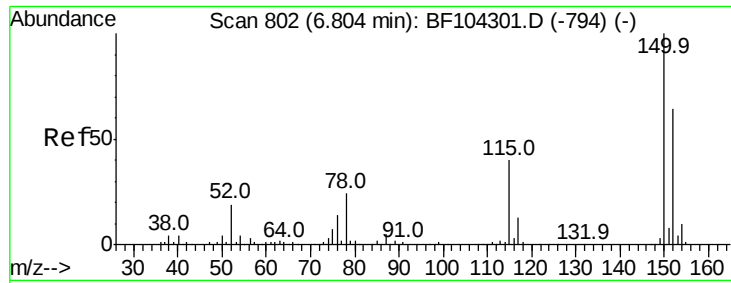
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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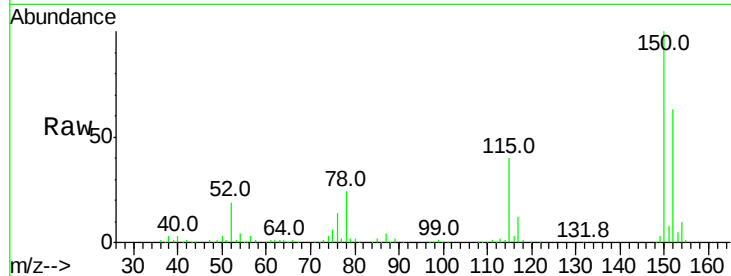


#1

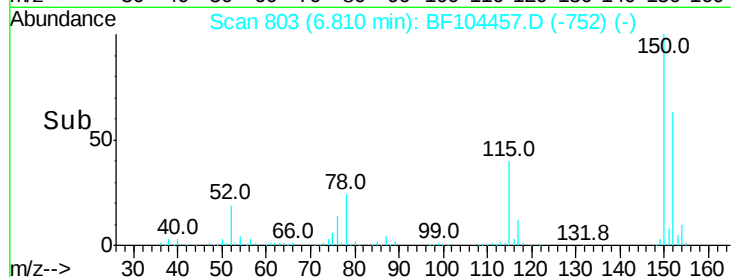
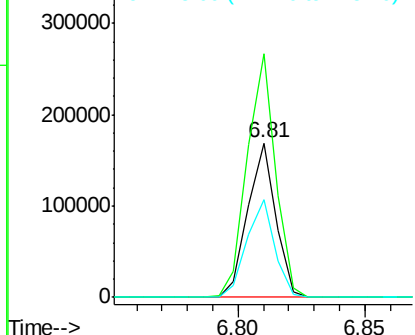
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104457.D
Acq: 12 Apr 2018 18:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 129874
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 63.1 50.1 75.1



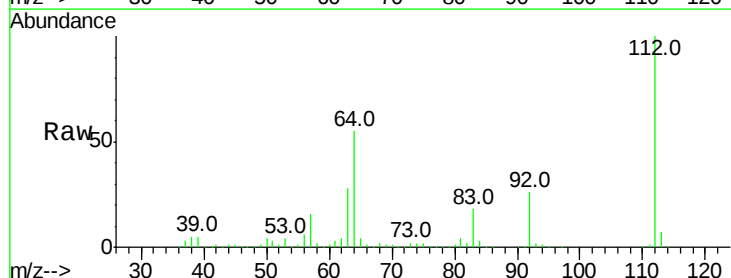
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



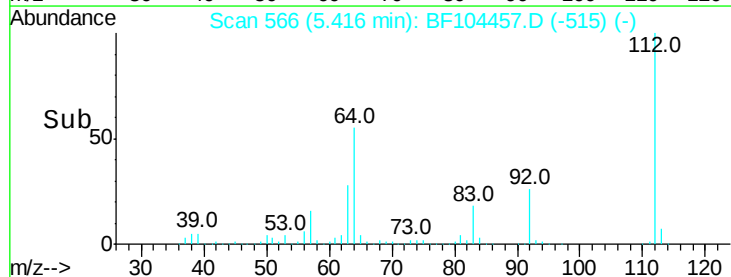
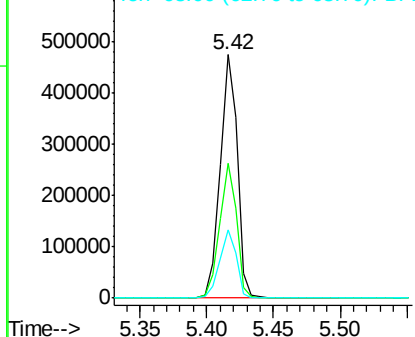
#5

2-Fluorophenol
Concen: 51.005 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF104457.D
Acq: 12 Apr 2018 18:02

Tgt Ion:112 Resp: 433221
Ion Ratio Lower Upper
112 100
64 55.4 47.9 71.9
63 28.3 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: 48.273 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_F

ClientSampleId :

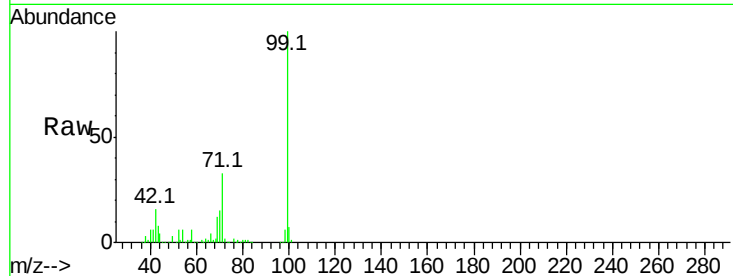
Tot Ion: 99 Resp: 503780

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

71 33.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

600000

400000

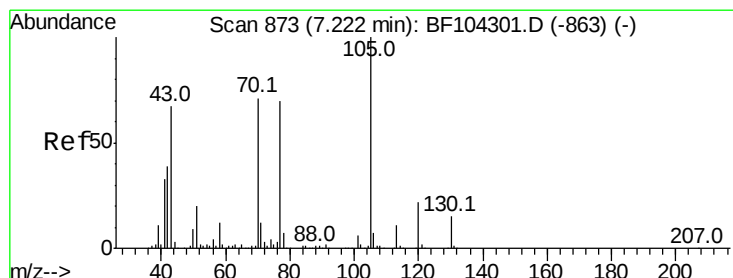
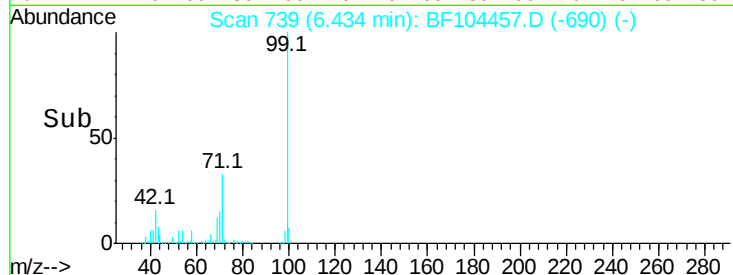
200000

0

6.43

6.40 6.45 6.50

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 5.577 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Tgt Ion: 70 Resp: 38033

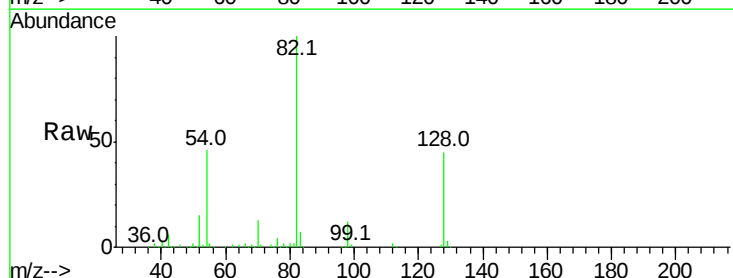
Ion Ratio Lower Upper

70 100

42 43.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

60000

40000

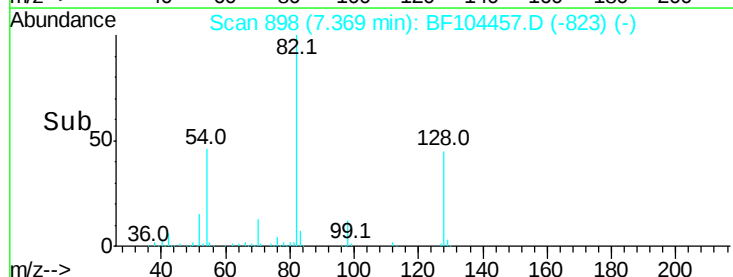
20000

0

7.37

7.35 7.40

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 500944

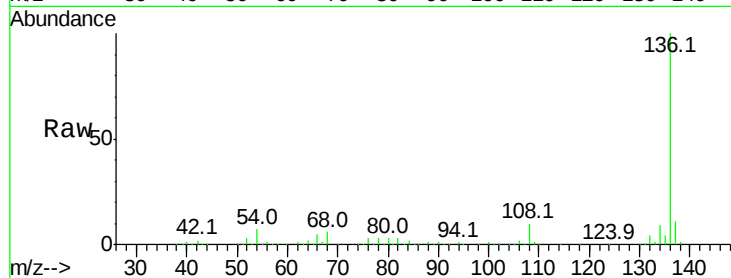
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.9 6.6 9.8

68 6.1 5.0 7.4

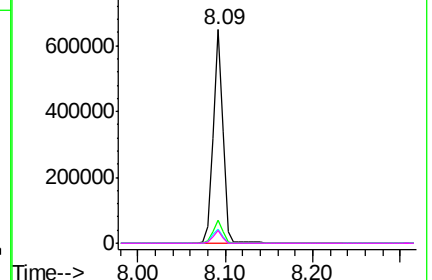
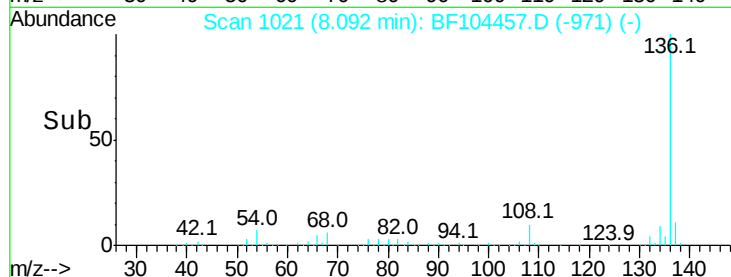


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 38.169 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

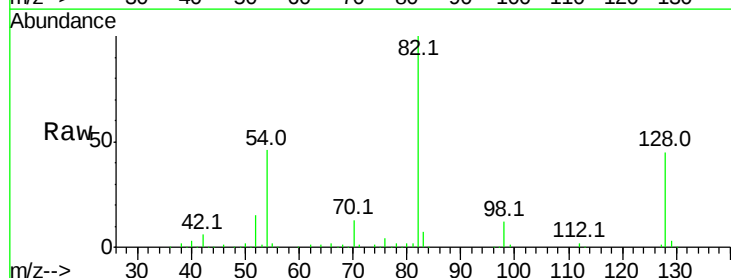
Tgt Ion: 82 Resp: 292818

Ion Ratio Lower Upper

82 100

128 45.0 36.1 54.1

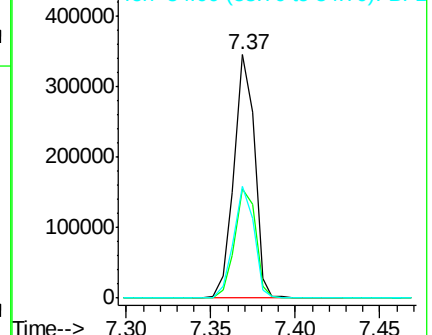
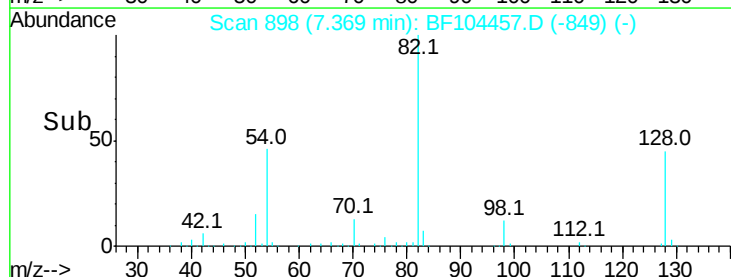
54 46.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.049 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_F

ClientSampleId :

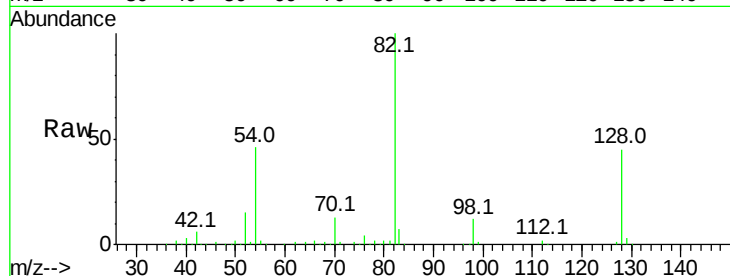
Tot Ion: 82 Resp: 292810

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

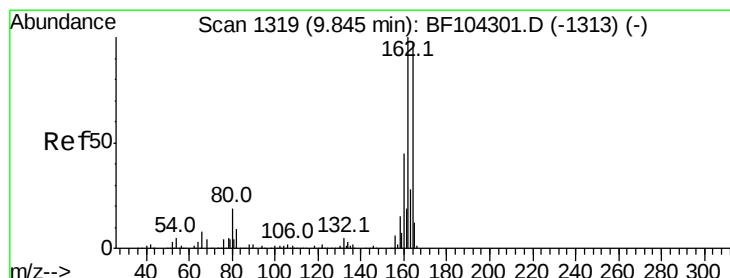
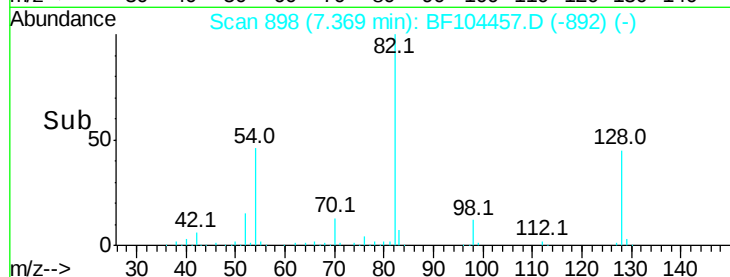
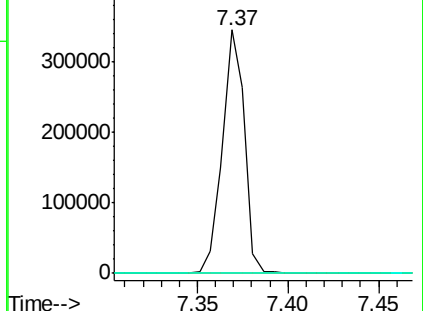
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

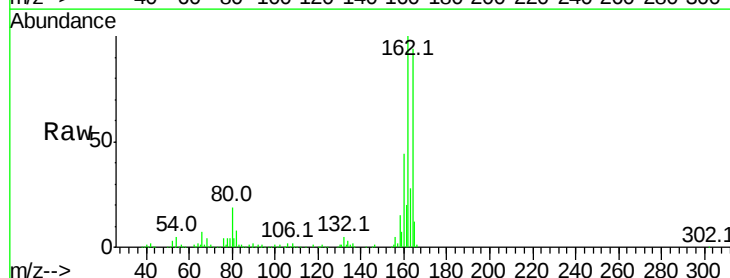
Tgt Ion:164 Resp: 197629

Ion Ratio Lower Upper

164 100

162 106.9 86.1 129.1

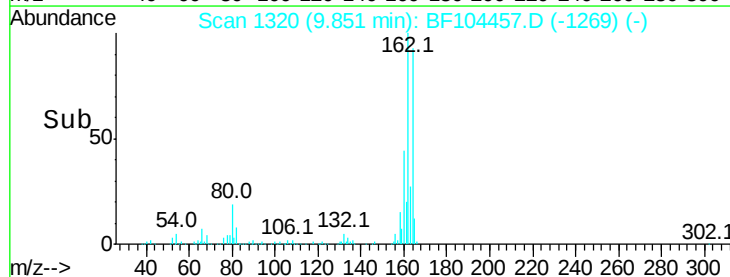
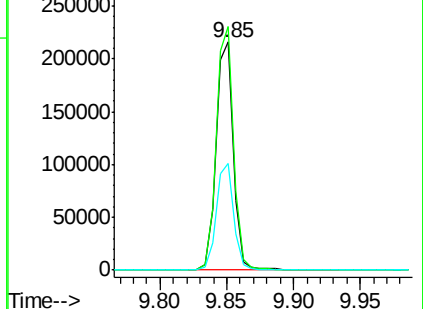
160 46.8 38.3 57.5



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

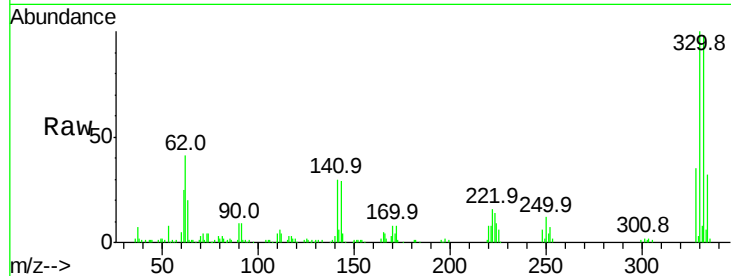




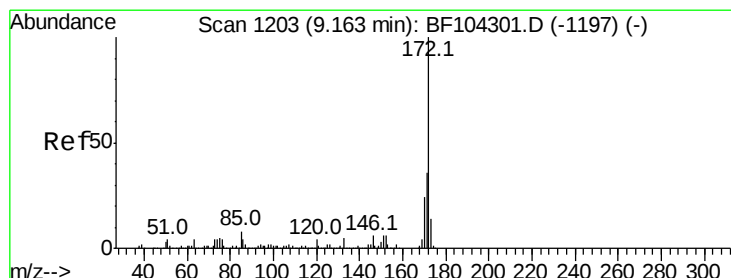
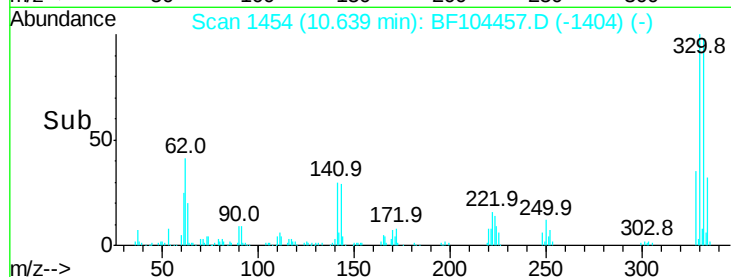
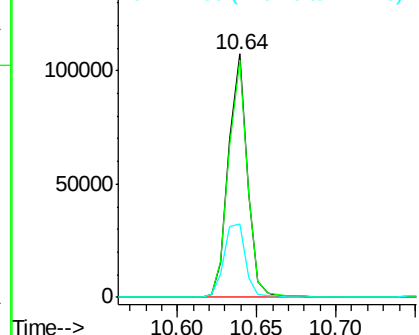
#41
 2,4,6-Tribromophenol
 Concen: 43.377 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104457.D
 Acq: 12 Apr 2018 18:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	35.0	29.9	44.9

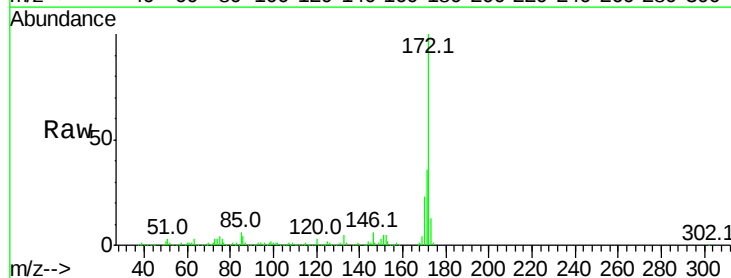


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

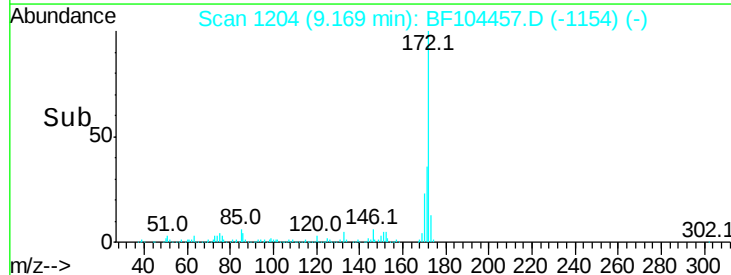
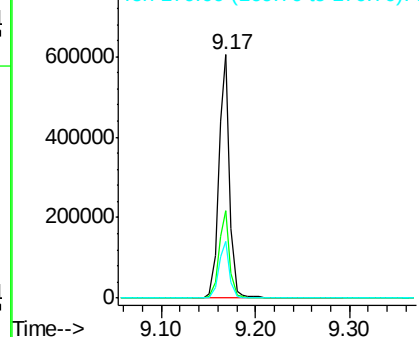


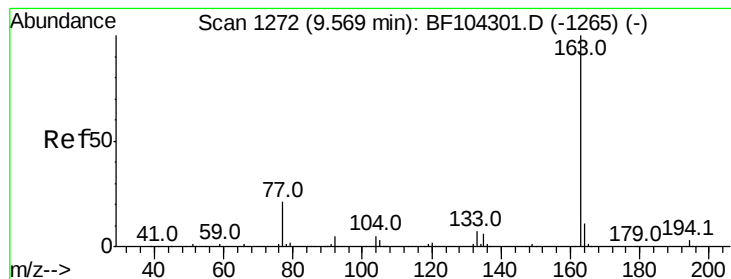
#44
 2-Fluorobiphenyl
 Concen: 39.069 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104457.D
 Acq: 12 Apr 2018 18:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.4	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: 2.085 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_F

ClientSampled :

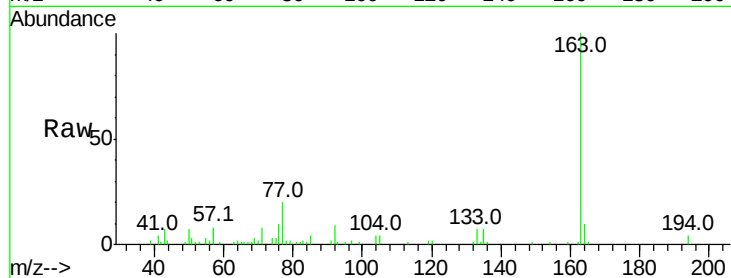
Tot Ion:163 Resp: 32498

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

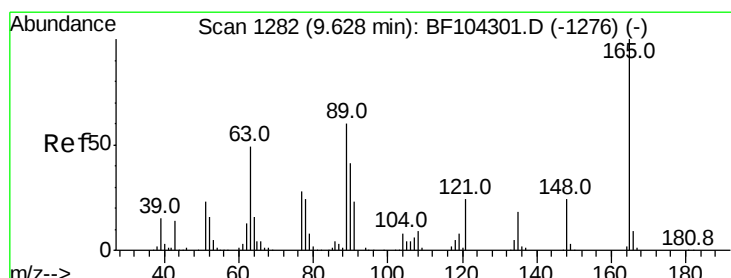
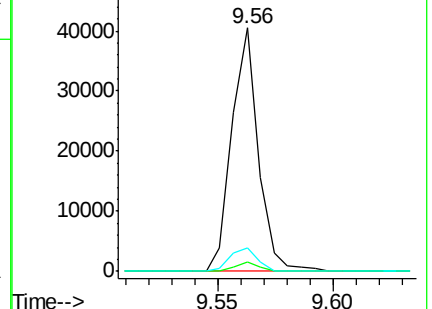
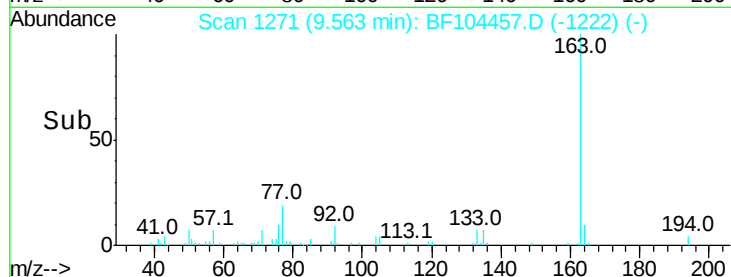
164 9.5 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.999 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

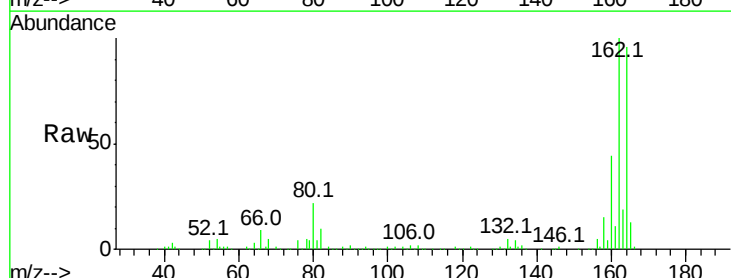
Tgt Ion:165 Resp: 25952

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

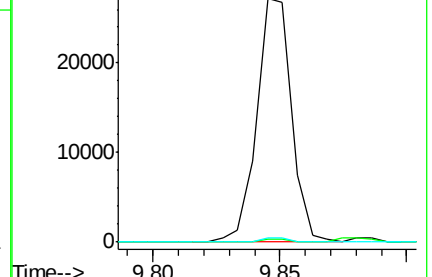
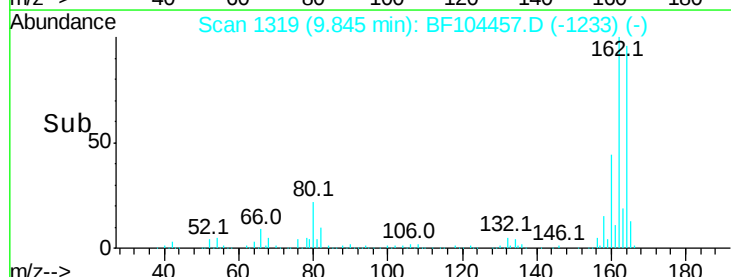
89 2.0 44.0 66.0#



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

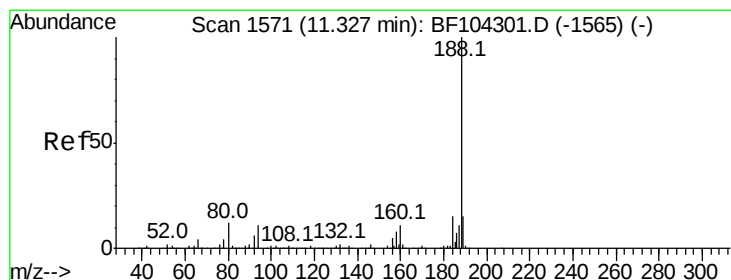
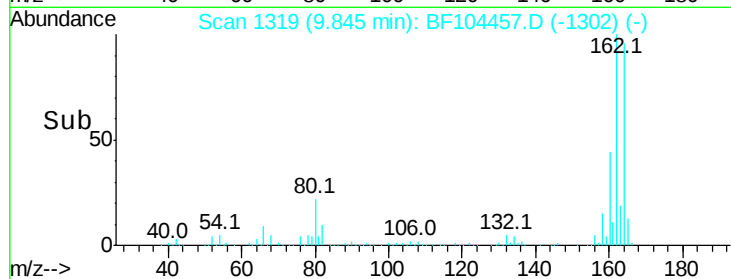
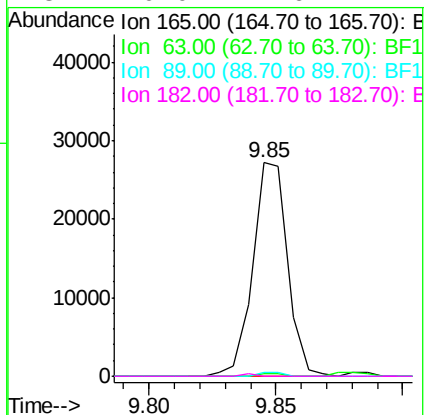
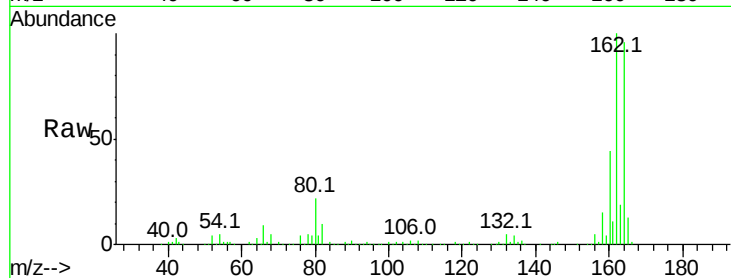




#56
 2,4-Dinitrotoluene
 Concen: 6.861 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104457.D
 Acq: 12 Apr 2018 18:02

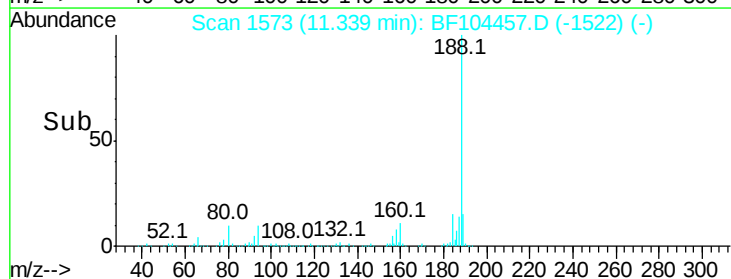
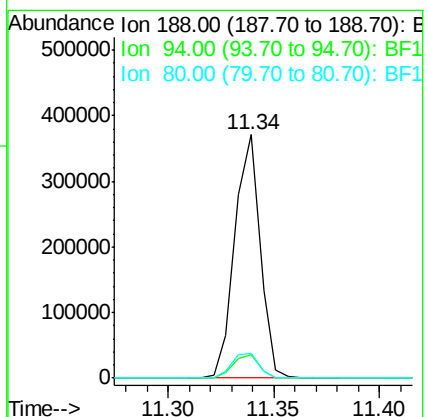
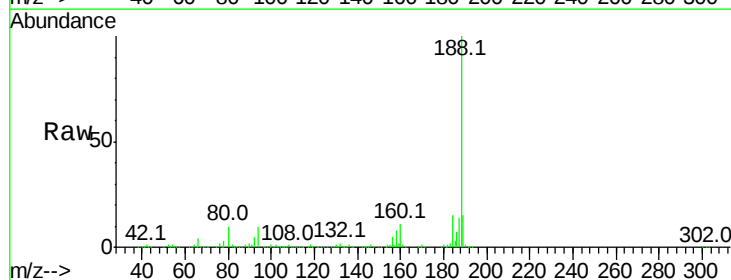
Instrument :
 BNA_F
 ClientSampleId :

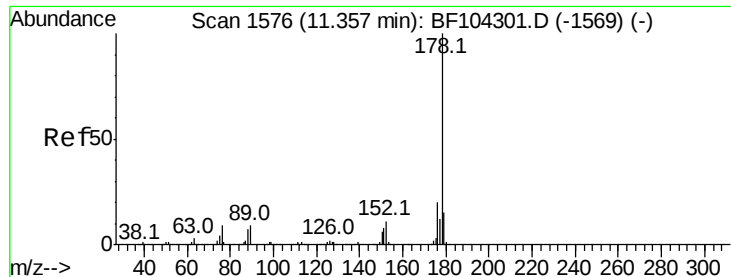
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF104457.D
 Acq: 12 Apr 2018 18:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.2	9.2	13.8





#70

Phenanthrene

Concen: 3.754 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_F

ClientSampleId :

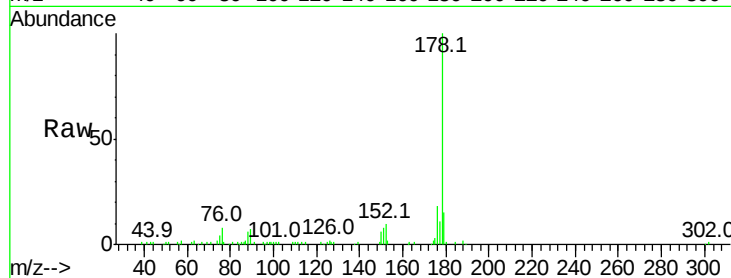
Tot Ion:178 Resp: 64263

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

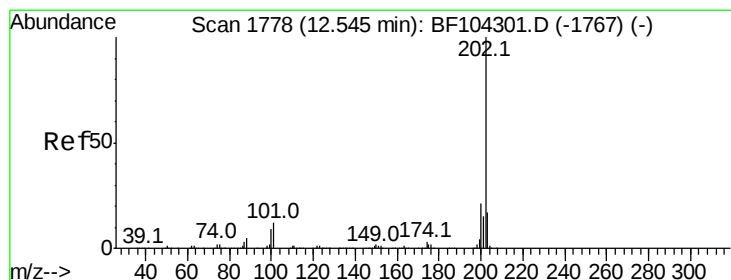
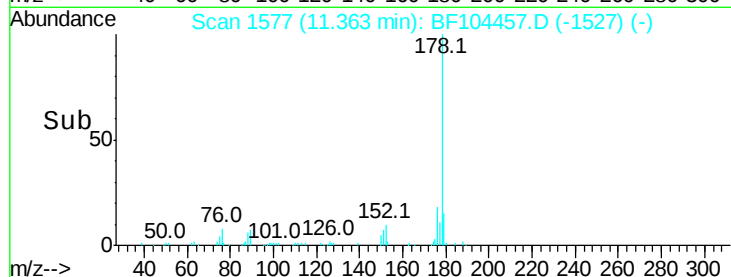
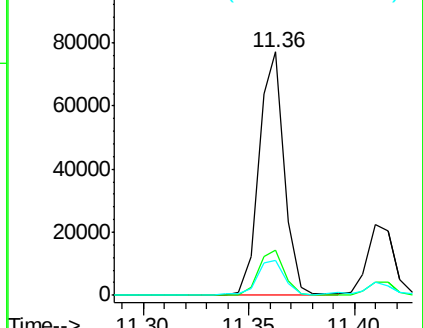
179 14.6 13.0 19.6



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: 4.508 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

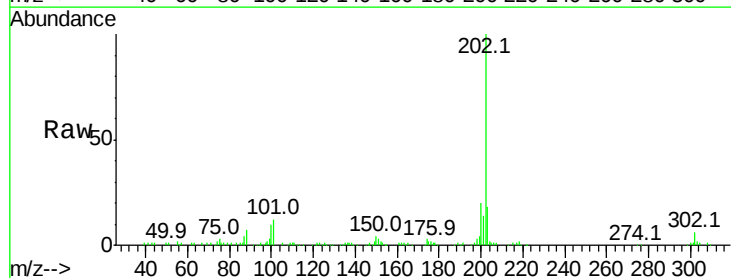
Tgt Ion:202 Resp: 80618

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

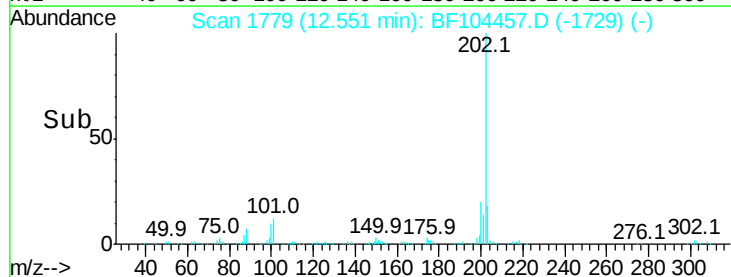
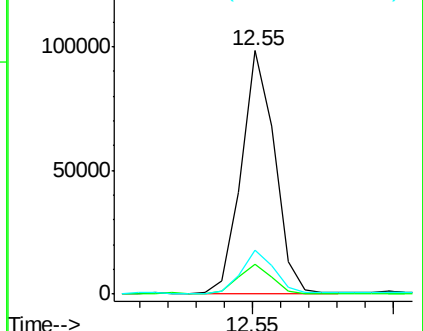
203 17.8 0.0 38.1

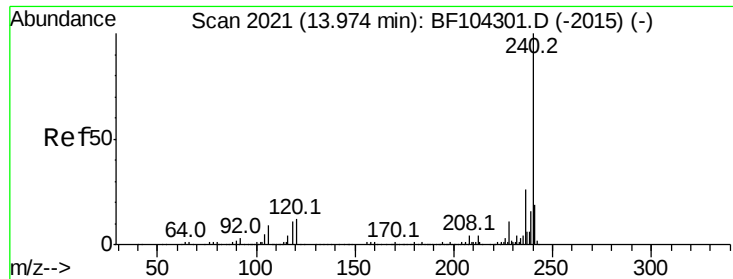


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_F

ClientSampleId :

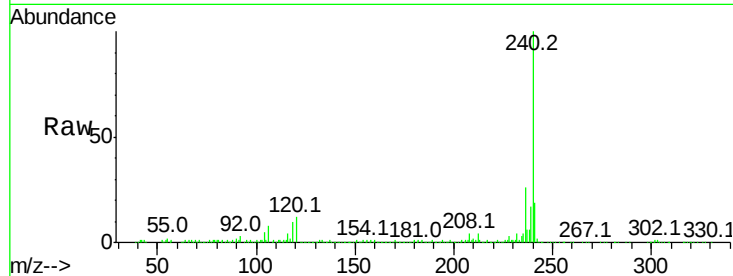
Tot Ion:240 Resp: 268835

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

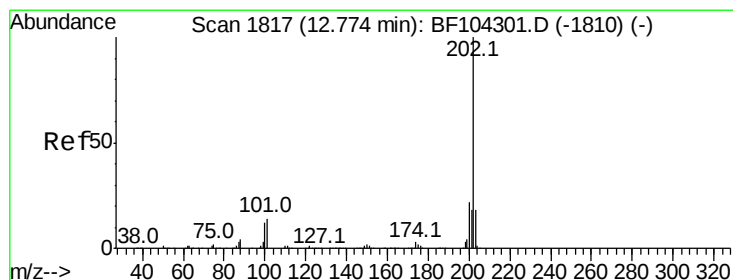
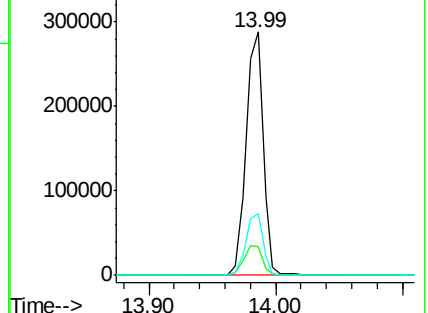
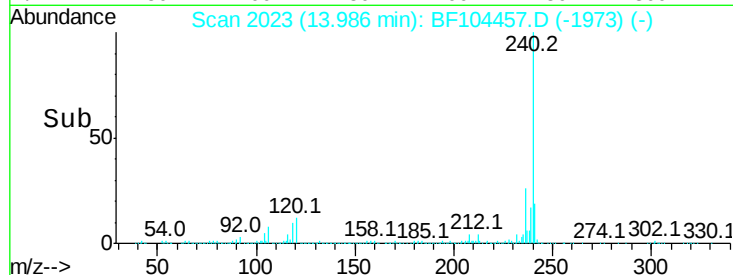
236 25.6 20.7 31.1



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: 4.590 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

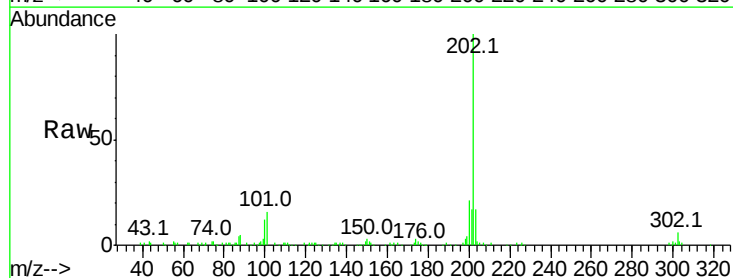
Tgt Ion:202 Resp: 91457

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

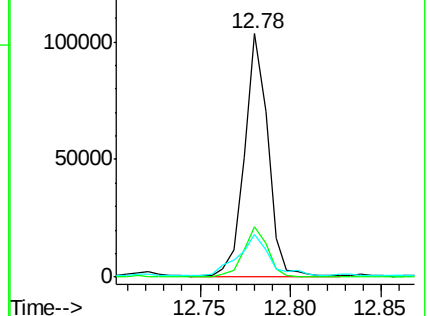
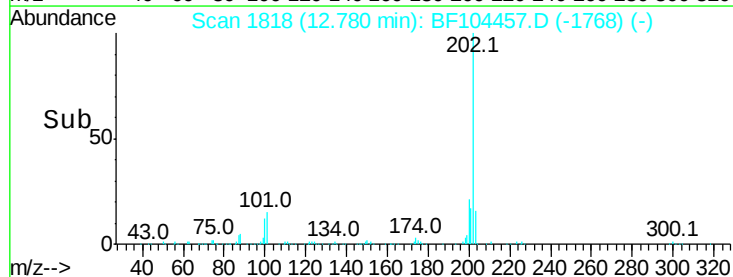
203 17.3 14.3 21.5

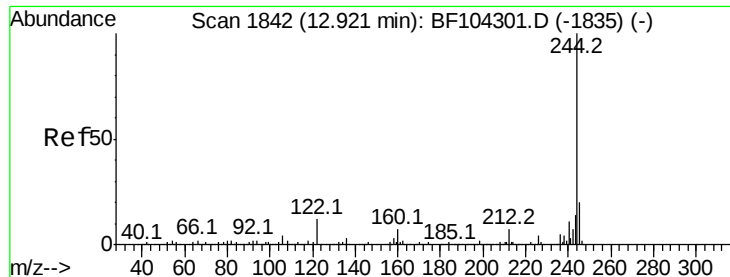


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

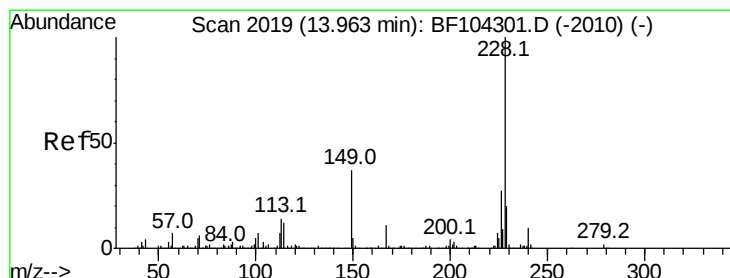
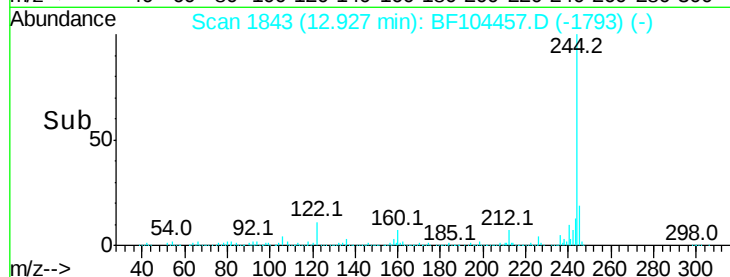
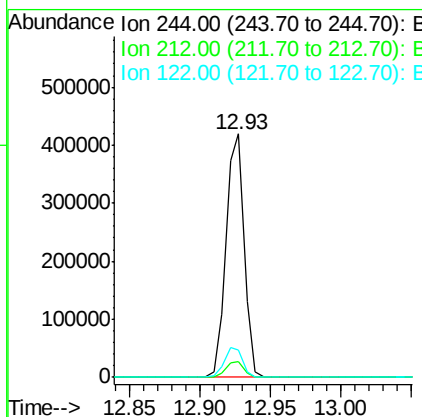
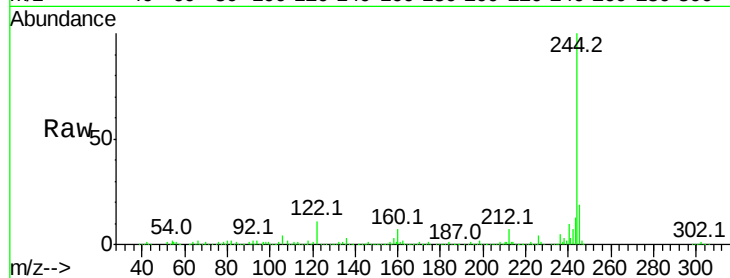




#78
 Terphenyl-d14
 Concen: 31.684 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF104457.D
 Acq: 12 Apr 2018 18:02

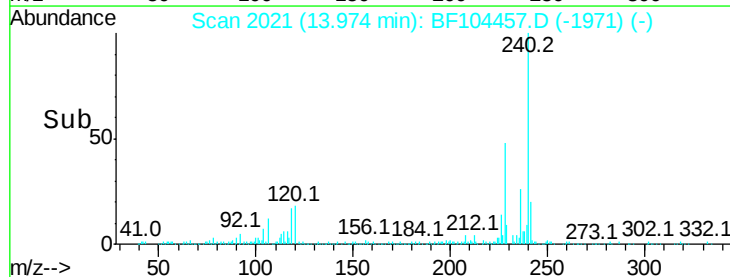
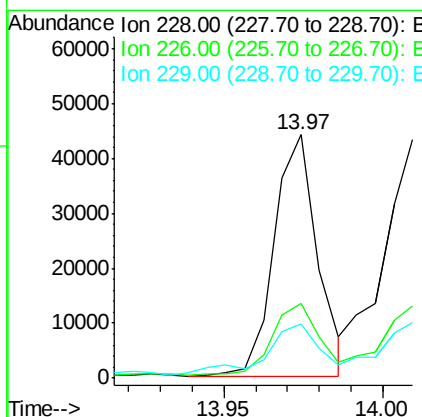
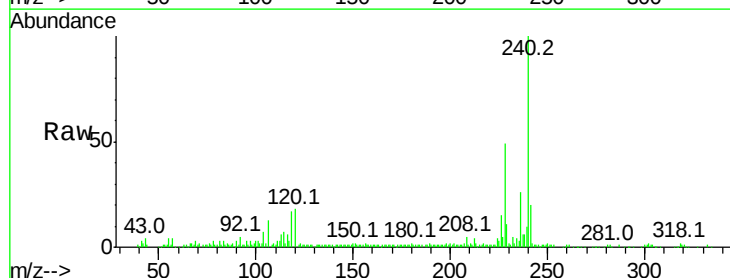
Instrument :
 BNA_F
 ClientSampleId :

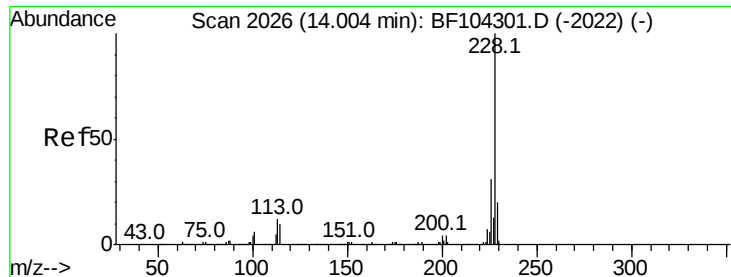
Tot Ion:244 Resp: 373614
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 11.4 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.602 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104457.D
 Acq: 12 Apr 2018 18:02

Tgt Ion:228 Resp: 41782
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.6 33.8
 229 22.4 15.8 23.6

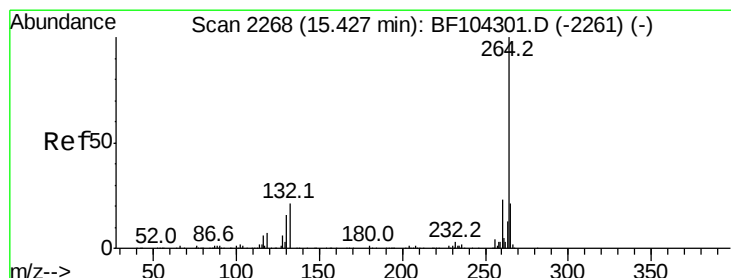
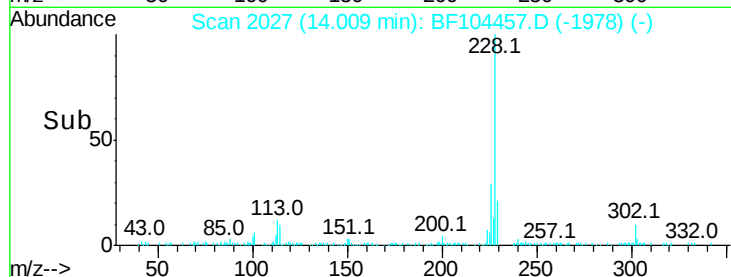
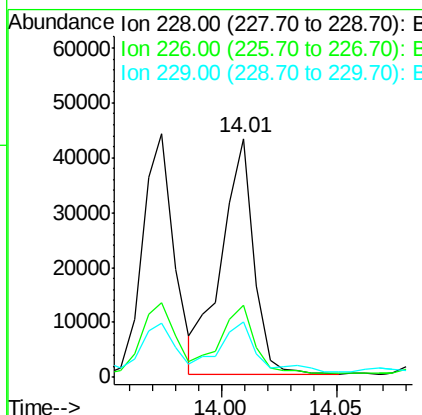
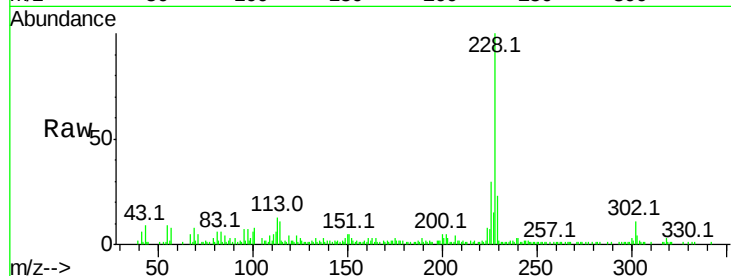




#82
Chrysene
Concen: 2.558 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104457.D
Acq: 12 Apr 2018 18:02

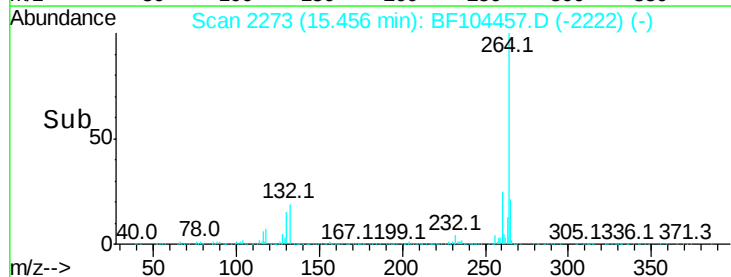
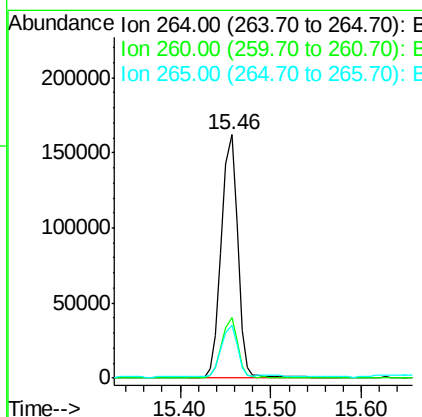
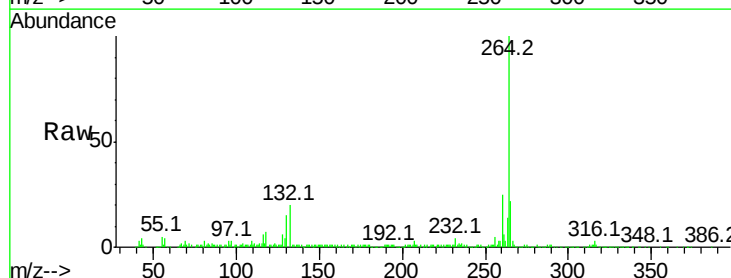
Instrument :
BNA_F
ClientSampleId :

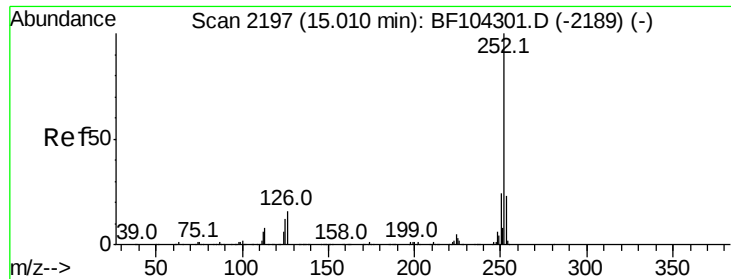
Tot Ion:228 Resp: 42193
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 23.3 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF104457.D
Acq: 12 Apr 2018 18:02

Tgt Ion:264 Resp: 201722
Ion Ratio Lower Upper
264 100
260 25.0 19.2 28.8
265 21.8 17.5 26.3

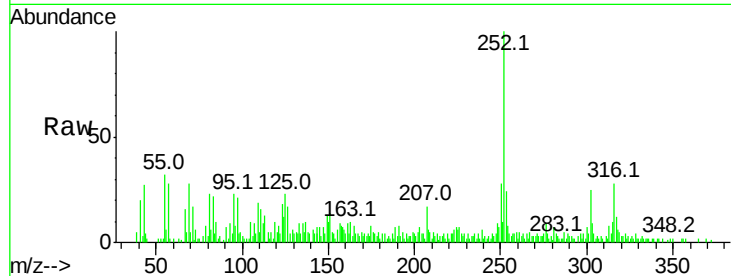




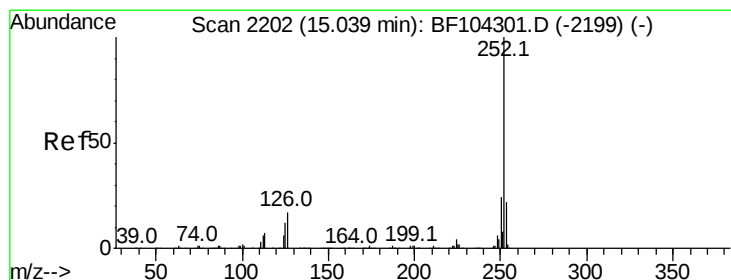
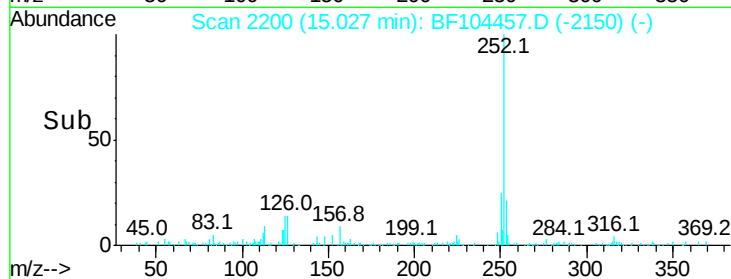
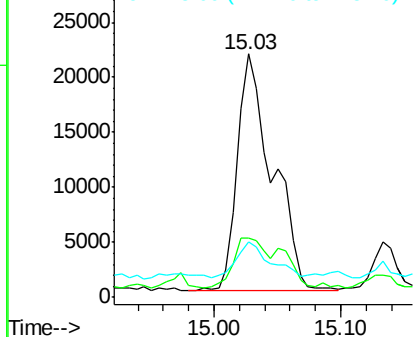
#87
Benzo(b)fluoranthene
Concen: 3.224 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF104457.D
Acq: 12 Apr 2018 18:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 41069
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.6
125 23.0 9.0 13.6#

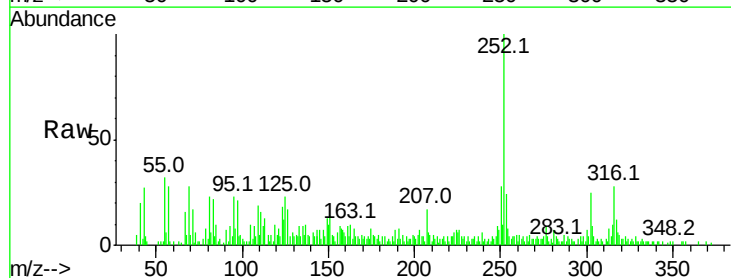


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

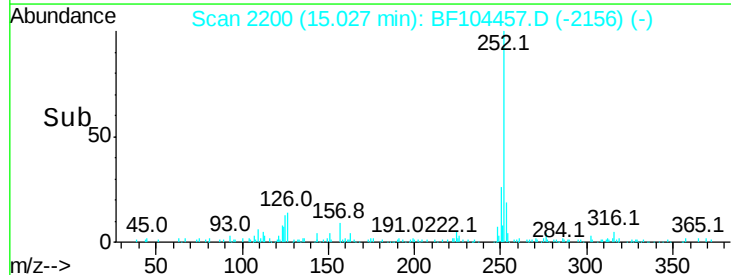
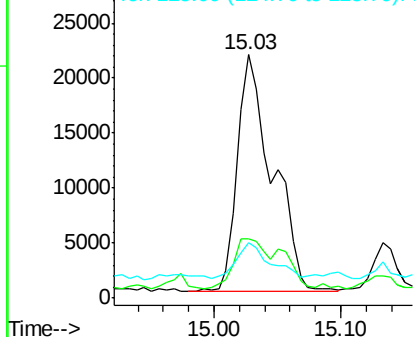


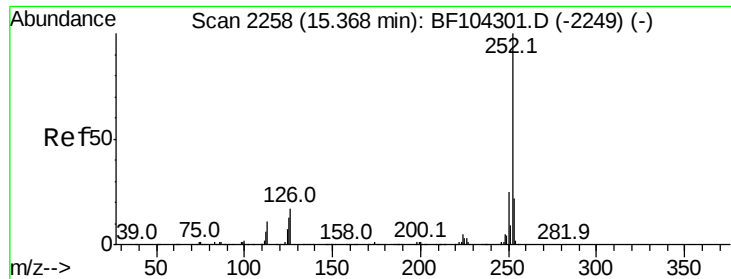
#88
Benzo(k)fluoranthene
Concen: 3.414 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF104457.D
Acq: 12 Apr 2018 18:02

Tgt Ion:252 Resp: 41069
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 23.0 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.014 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_F

ClientSampleId :

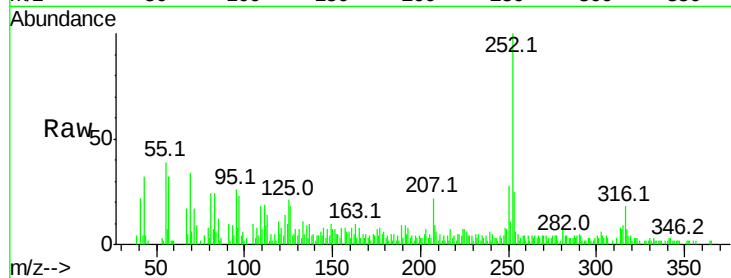
Tot Ion:252 Resp: 22956

Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

125 20.6 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

