

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091718\
 Data File : BF109056.D
 Acq On : 17 Sep 2018 18:51
 Operator : JU/SJ
 Sample : J4943-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200051

Quant Time: Sep 18 02:24:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	125729	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	434595	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	187584	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	361169	20.00	ng	0.00
75) Chrysene-d12	13.85	240	359953	20.00	ng	0.00
86) Perylene-d12	15.26	264	268748	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	284742	37.61	ng	0.00
7) Phenol-d6	6.35	99	345991	35.45	ng	-0.01
23) Nitrobenzene-d5	7.28	82	200476	25.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	74142	36.42	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	363022	30.32	ng	0.00
78) Terphenyl-d14	12.81	244	367506	24.20	ng	0.00

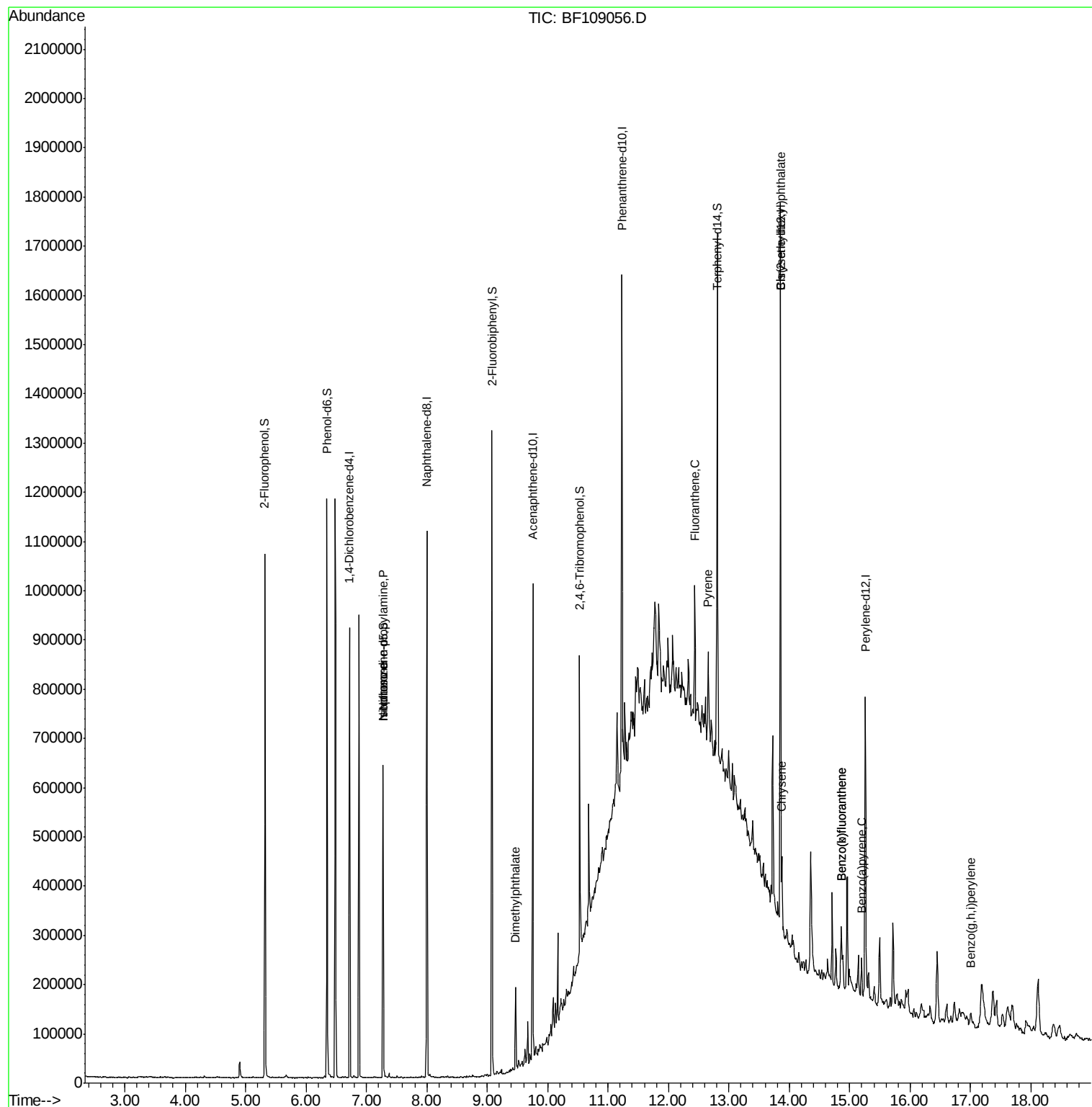
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	26534	4.112	ng	# 76
25) Isophorone	7.28	82	200473	15.051	ng	# 64
49) Dimethylphthalate	9.47	163	49882	3.721	ng	# 98
74) Fluoranthene	12.44	202	90470	4.840	ng	96
77) Pyrene	12.66	202	78810	2.948	ng	97
82) Chrysene	13.88	228	53401	2.449	ng	96
83) Bis(2-ethylhexyl)phthalate	13.85	149	93630	6.475	ng	99
87) Benzo(b)fluoranthene	14.86	252	86973	5.850	ng	96
88) Benzo(k)fluoranthene	14.86	252	86973	6.263	ng	99
89) Benzo(a)pyrene	15.19	252	32915	2.493	ng	# 95
91) Benzo(g,h,i)perylene	17.01	276	23242	2.096	ng	# 91

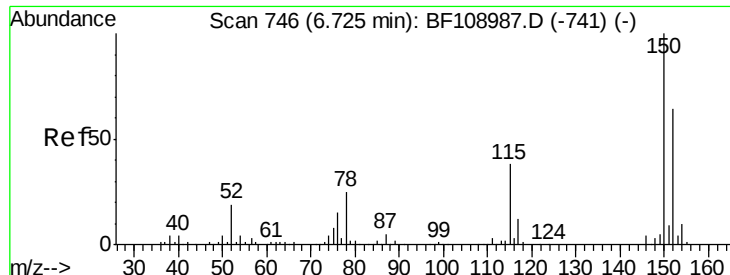
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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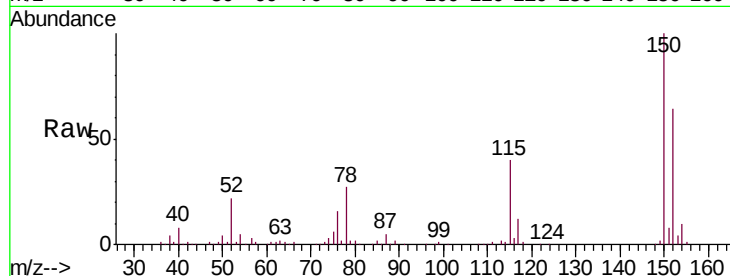


#1

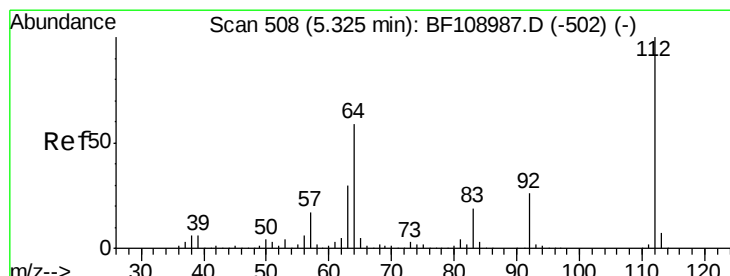
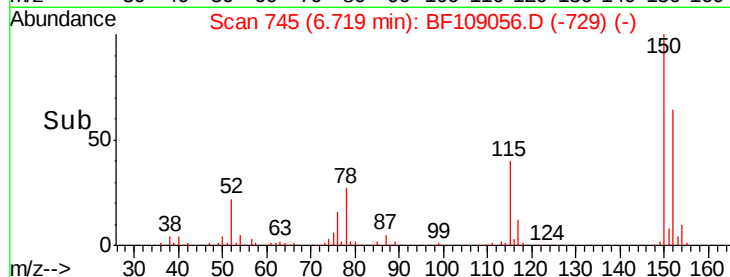
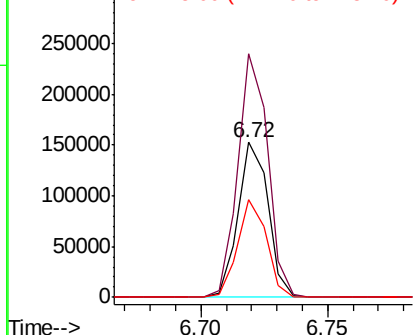
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109056.D
Acq: 17 Sep 2018 18:51

Instrument :
BNA_F
ClientSampleId :
RBR200051

Tgt Ion:152 Resp: 125729
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 62.8 50.1 75.1



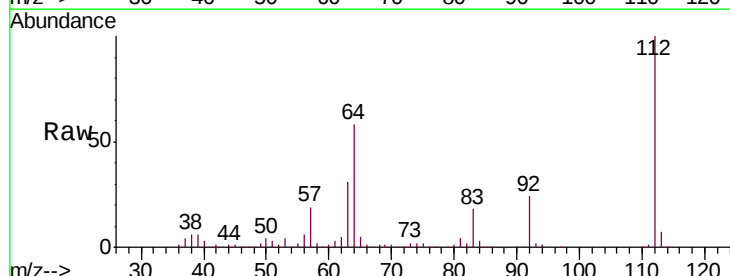
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



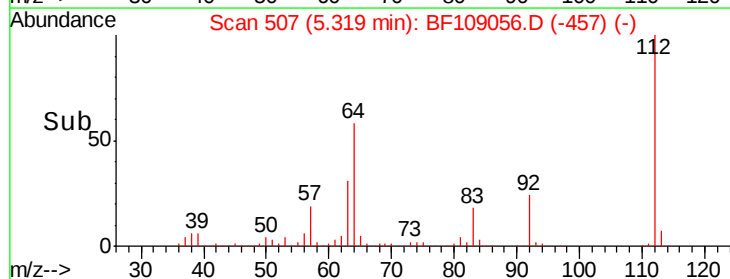
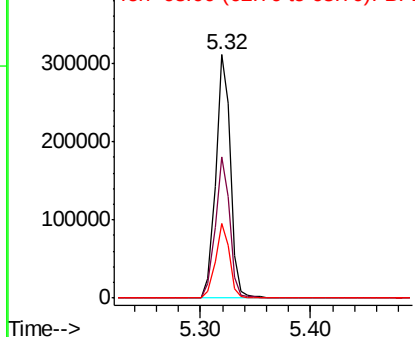
#5

2-Fluorophenol
Concen: 37.615 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF109056.D
Acq: 17 Sep 2018 18:51

Tgt Ion:112 Resp: 284742
Ion Ratio Lower Upper
112 100
64 58.0 47.9 71.9
63 30.5 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: 35.446 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

Instrument :

BNA_F

ClientSampleId :

RBR200051

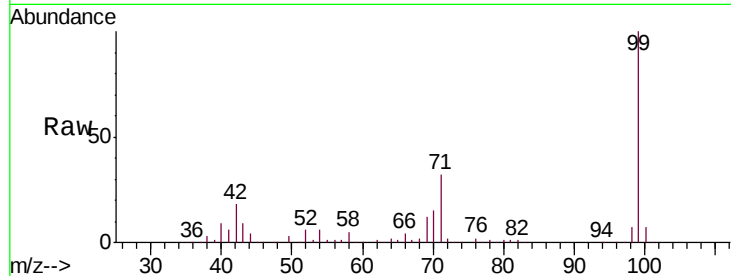
Tgt Ion: 99 Resp: 345991

Ion Ratio Lower Upper

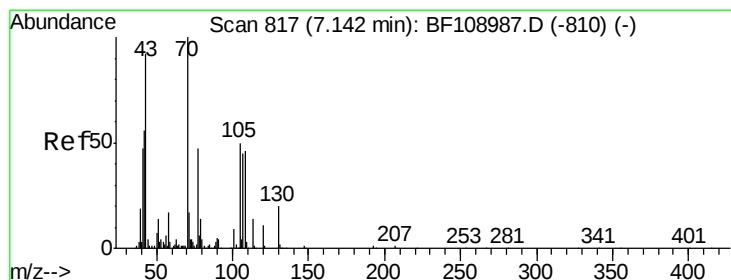
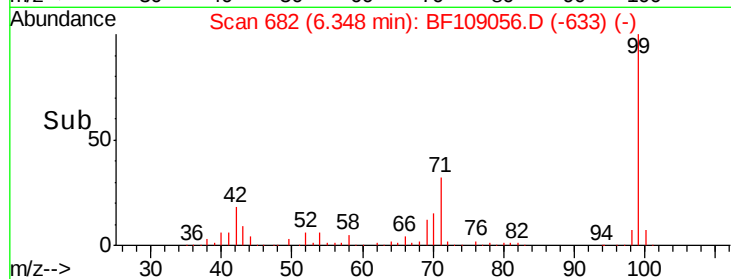
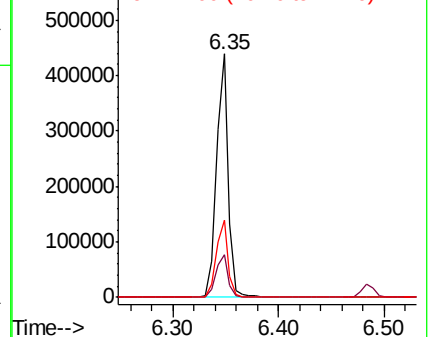
99 100

42 17.7 14.5 21.7

71 31.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 4.112 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

Tgt Ion: 70 Resp: 26534

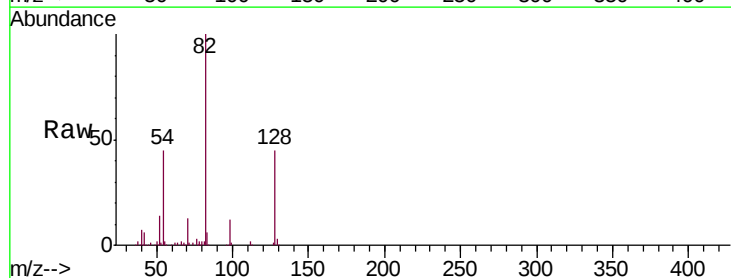
Ion Ratio Lower Upper

70 100

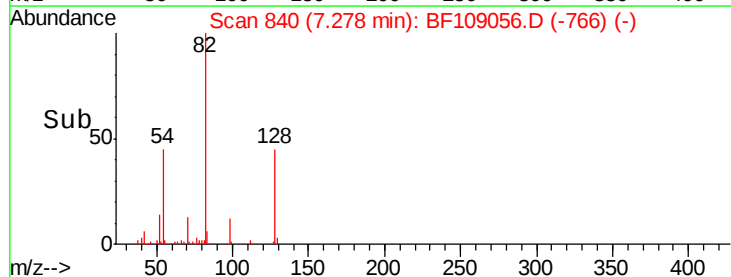
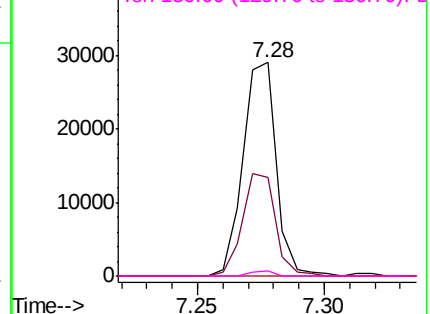
42 45.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

Instrument :

BNA_F

ClientSampleId :

RBR200051

Tgt Ion: 136 Resp: 434595

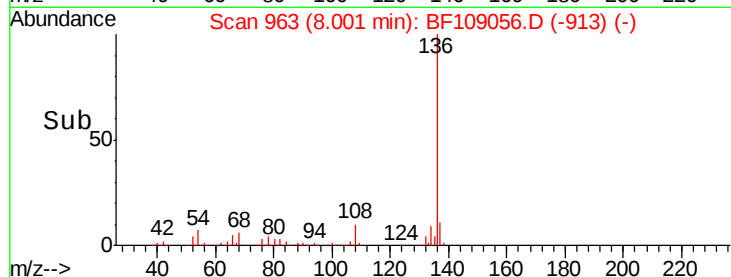
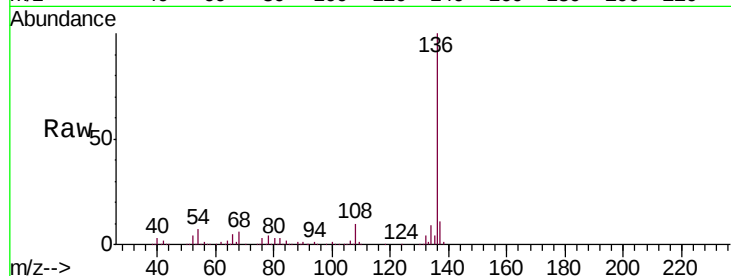
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.3 6.6 9.8

68 6.0 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

8.00

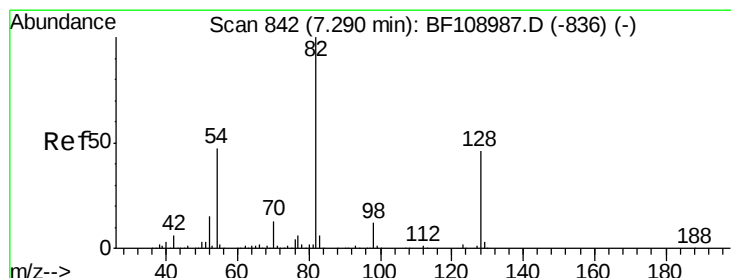
600000

400000

200000

0

Time--> 7.95 8.00 8.05



#23

Nitrobenzene-d5

Concen: 25.873 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

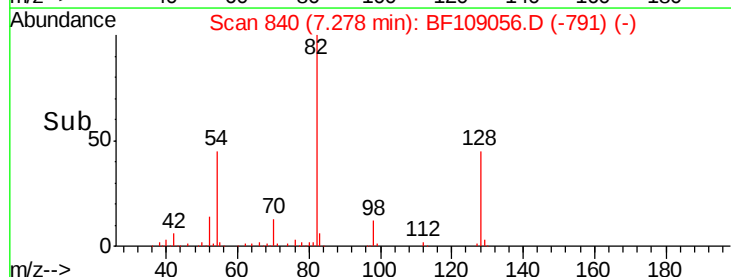
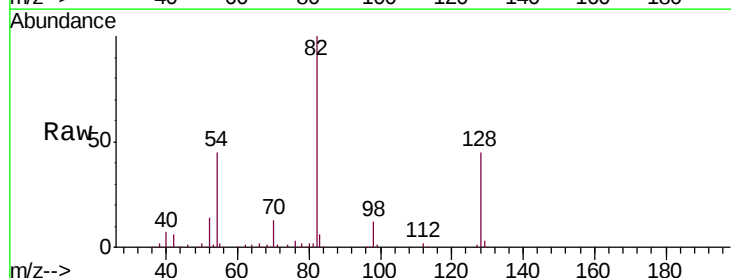
Tgt Ion: 82 Resp: 200476

Ion Ratio Lower Upper

82 100

128 44.7 36.1 54.1

54 45.3 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

7.28

300000

250000

200000

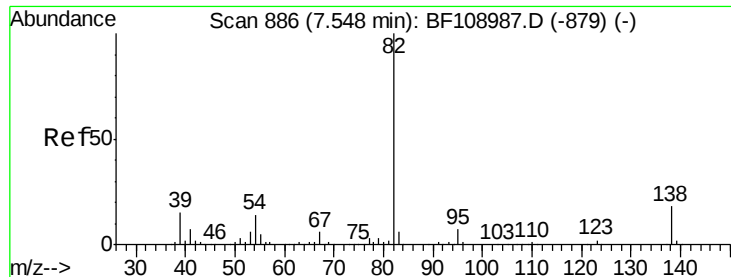
150000

100000

50000

0

Time--> 7.25 7.30 7.35



#25

Isophorone

Concen: 15.051 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

Instrument :

BNA_F

ClientSampleId :

RBR200051

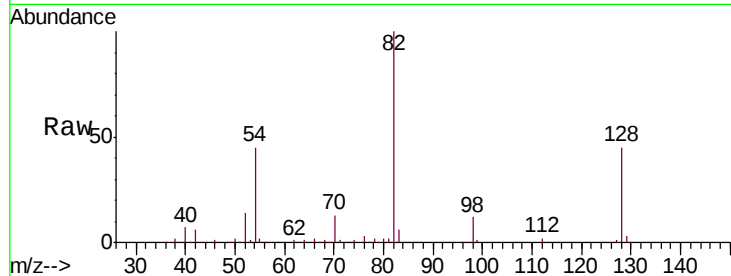
Tgt Ion: 82 Resp: 200473

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

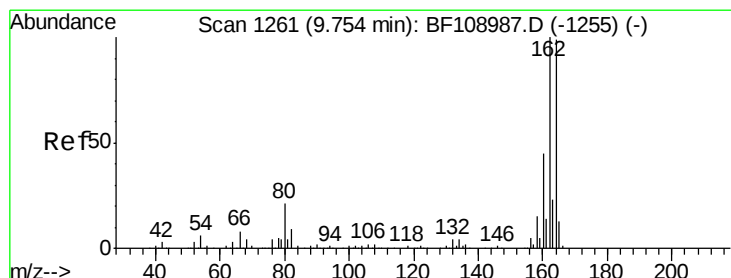
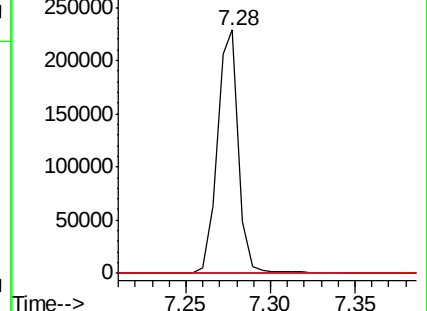
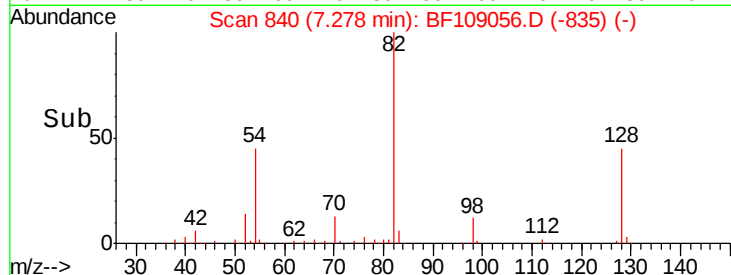
138 0.0 14.9 22.3#



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: 9.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

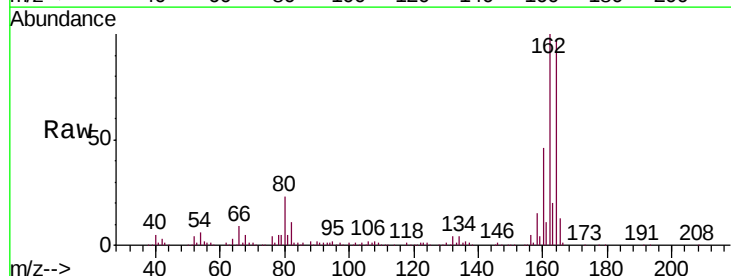
Tgt Ion: 164 Resp: 187584

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

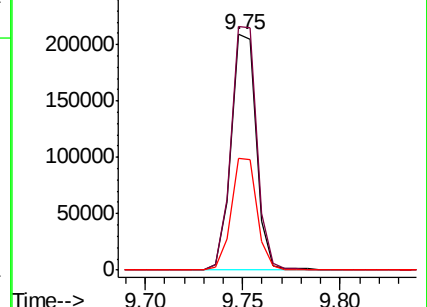
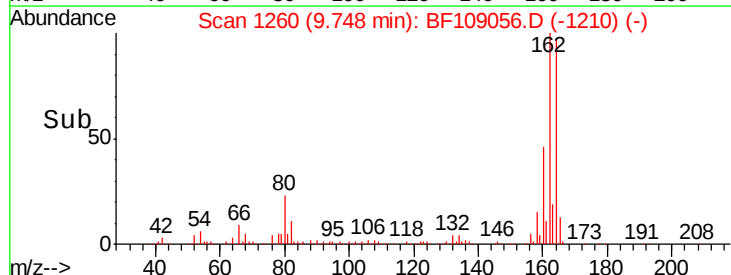
160 47.5 38.3 57.5

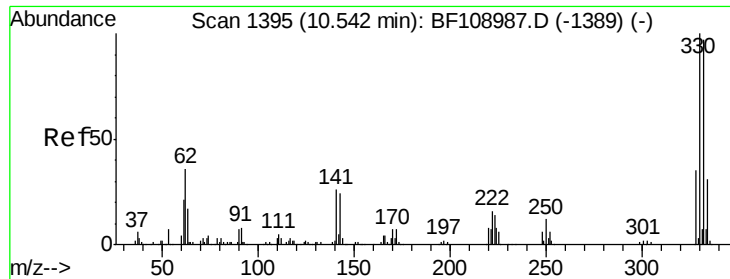


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

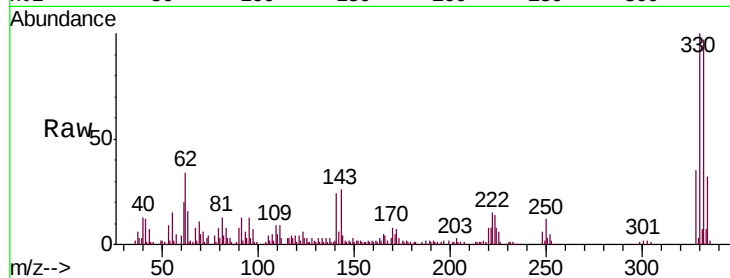




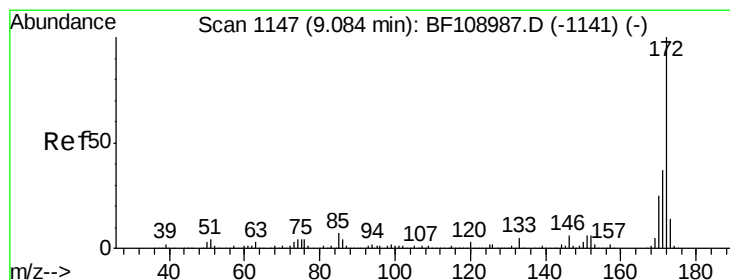
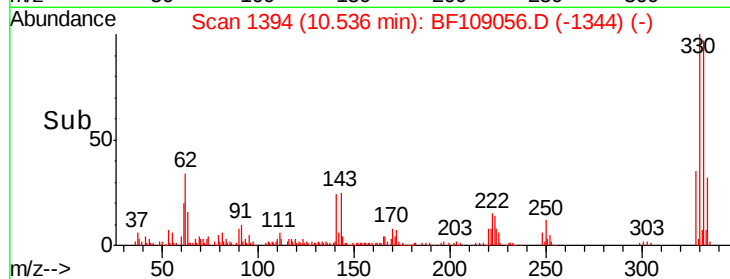
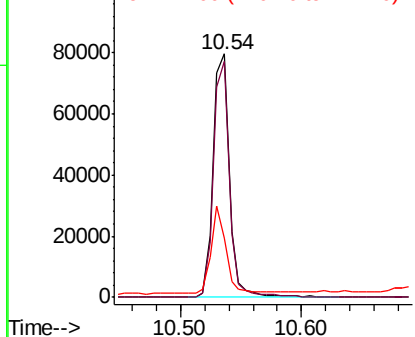
#41
 2,4,6-Tribromophenol
 Concen: 36.419 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109056.D
 Acq: 17 Sep 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :
 RBR200051

Tgt Ion:330 Resp: 74142
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 32.3 29.9 44.9

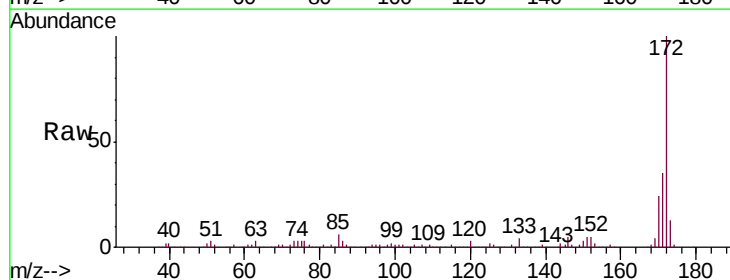


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

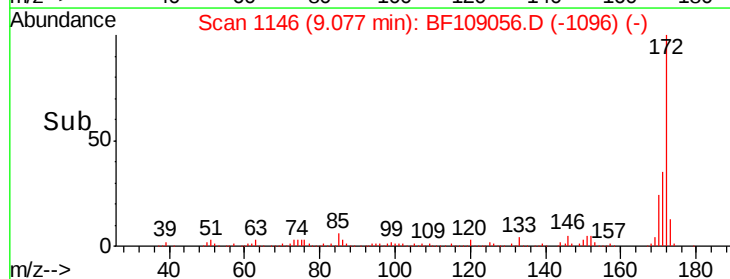
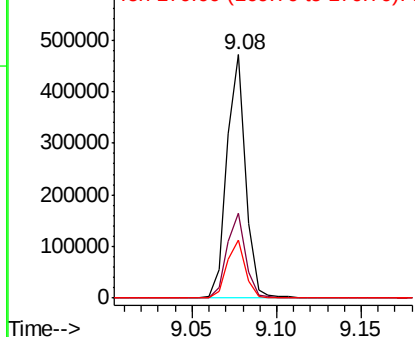


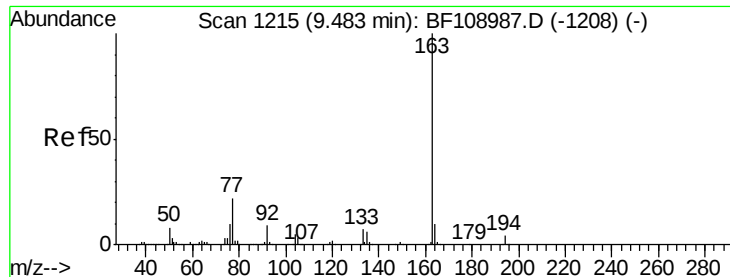
#44
 2-Fluorobiphenyl
 Concen: 30.320 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109056.D
 Acq: 17 Sep 2018 18:51

Tgt Ion:172 Resp: 363022
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.7 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

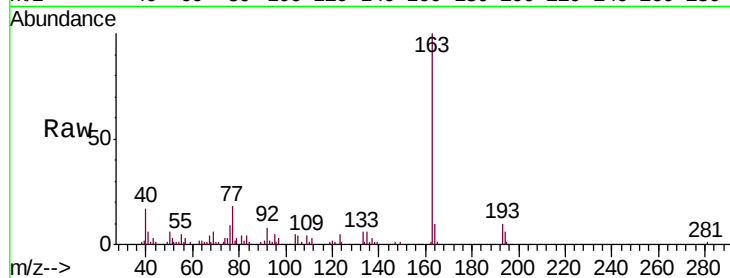




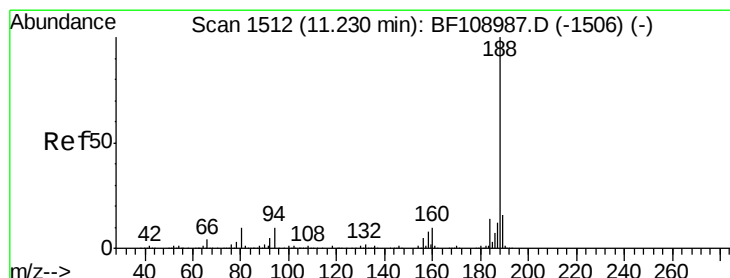
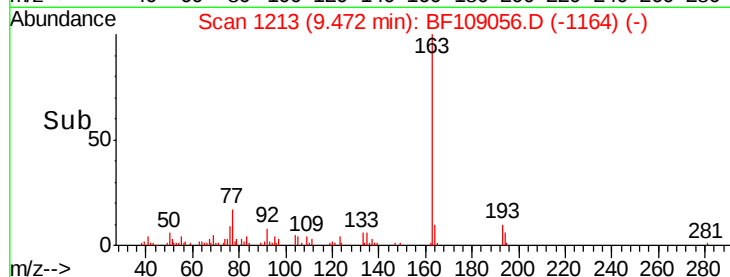
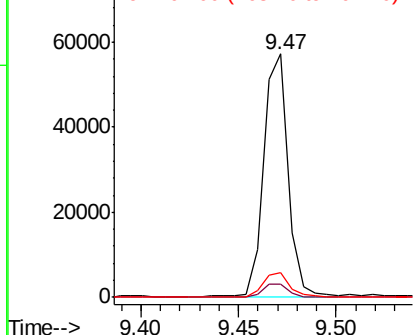
#49
Dimethylphthalate
Concen: 3.721 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109056.D
Acq: 17 Sep 2018 18:51

Instrument :
BNA_F
ClientSampleId :
RBR200051

Tgt Ion:163 Resp: 49882
Ion Ratio Lower Upper
163 100
194 5.6 2.7 4.1#
164 10.3 8.2 12.2

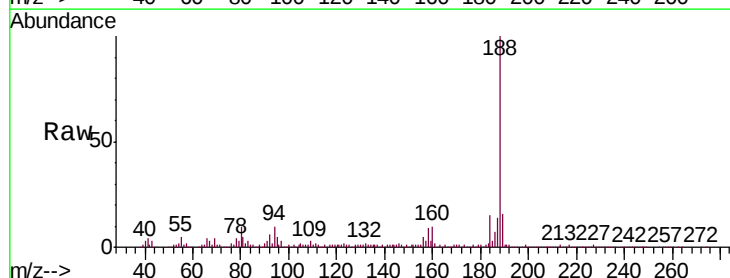


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

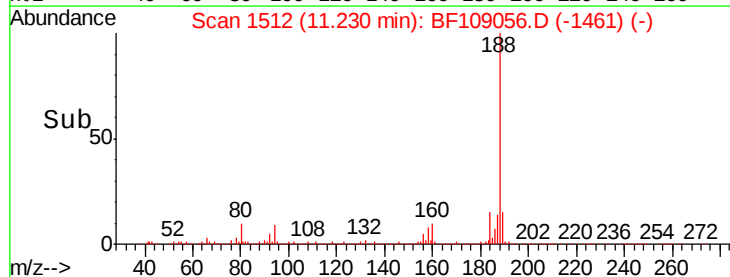
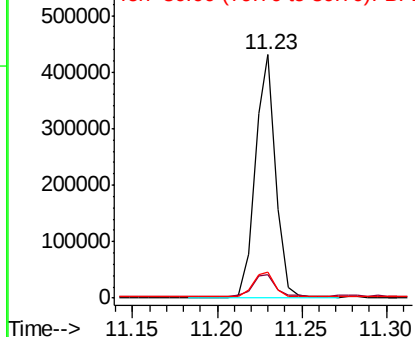


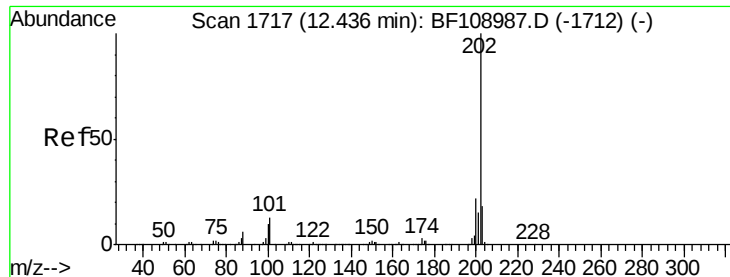
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109056.D
Acq: 17 Sep 2018 18:51

Tgt Ion:188 Resp: 361169
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#74

Fluoranthene

Concen: 4.840 ng

RT: 12.44 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

Instrument :

BNA_F

ClientSampleId :

RBR200051

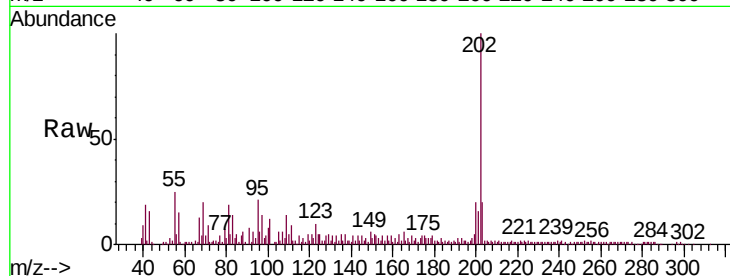
Tgt Ion:202 Resp: 90470

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

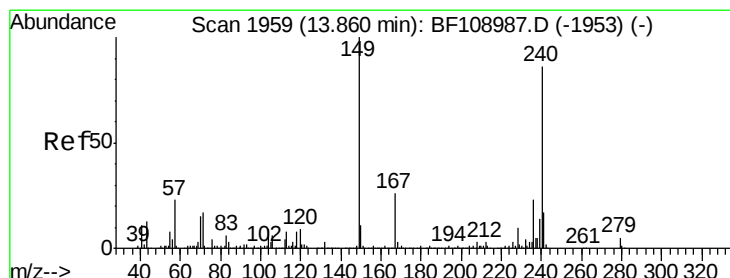
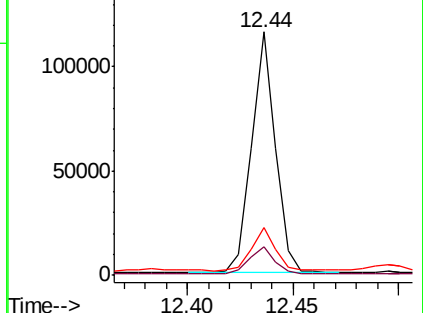
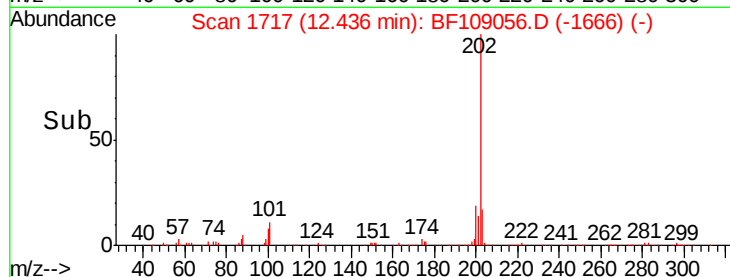
203 19.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

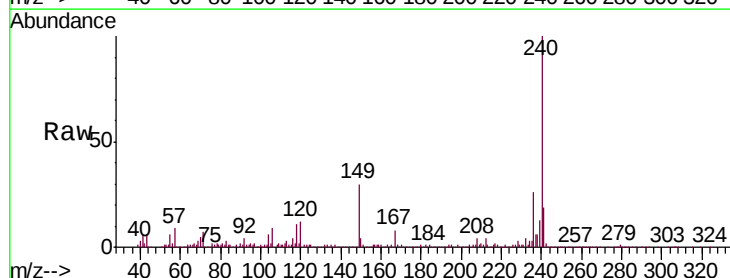
Tgt Ion:240 Resp: 359953

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

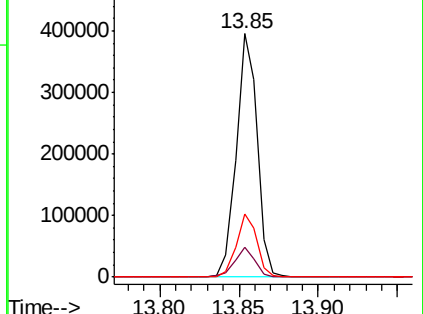
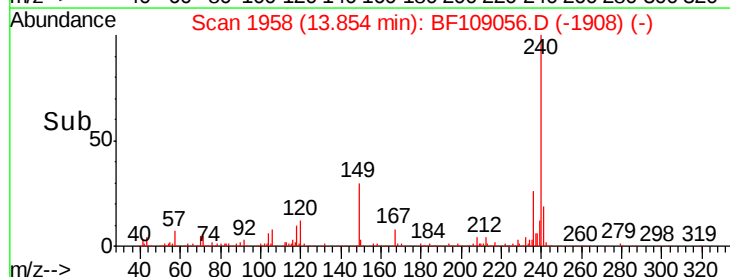
236 26.0 20.7 31.1

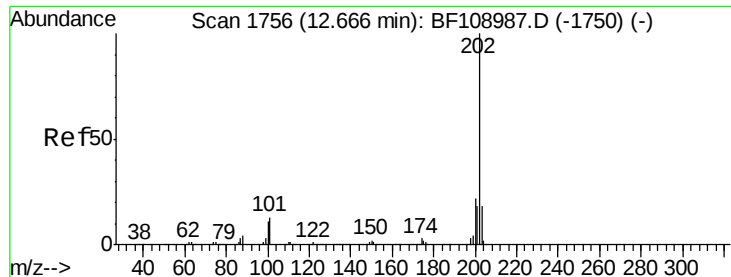


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.948 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

Instrument :

BNA_F

ClientSampleId :

RBR200051

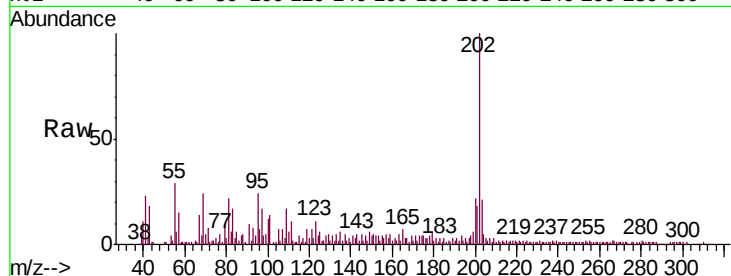
Tgt Ion:202 Resp: 78810

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

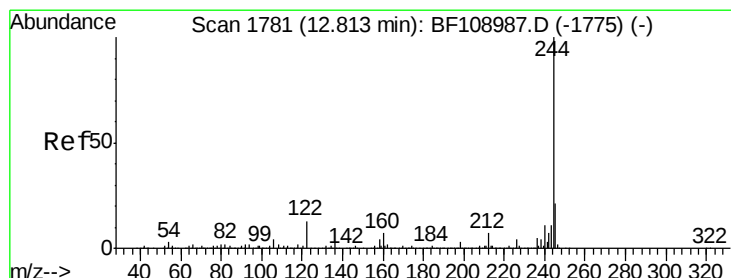
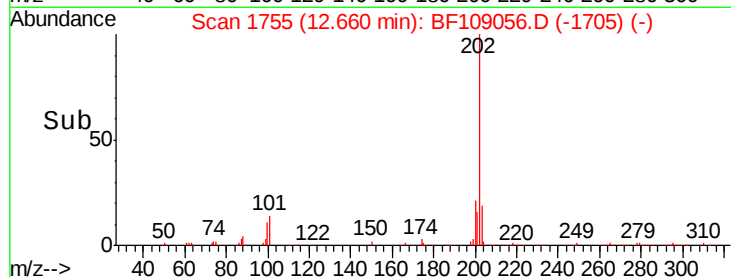
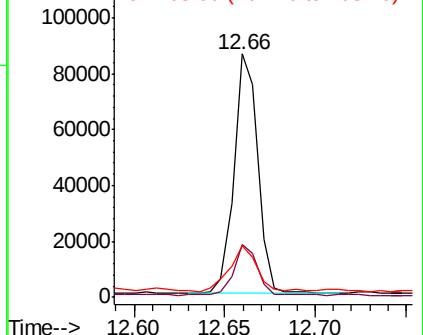
203 20.9 14.3 21.5



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: 24.200 ng

RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

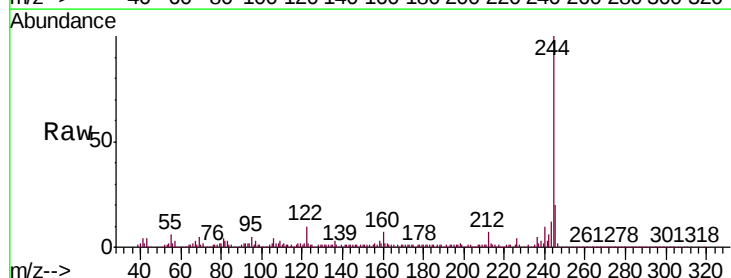
Tgt Ion:244 Resp: 367506

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

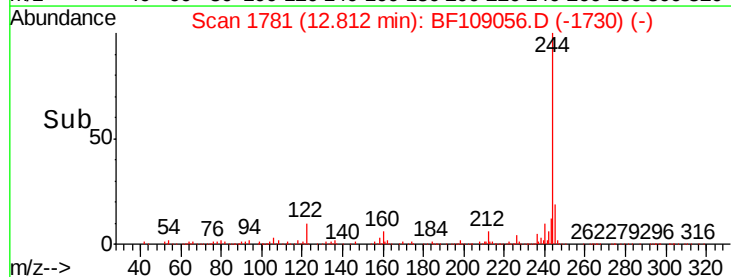
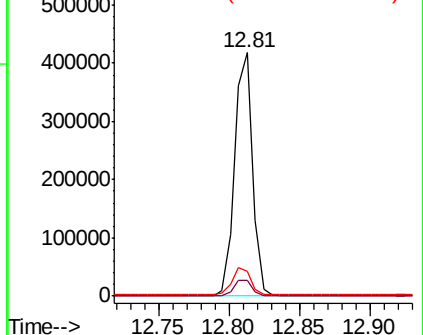
122 10.4 11.0 16.4#

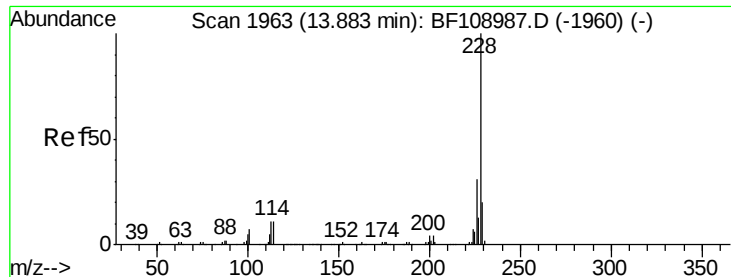


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.449 ng

RT: 13.88 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

Instrument :

BNA_F

ClientSampleId :

RBR200051

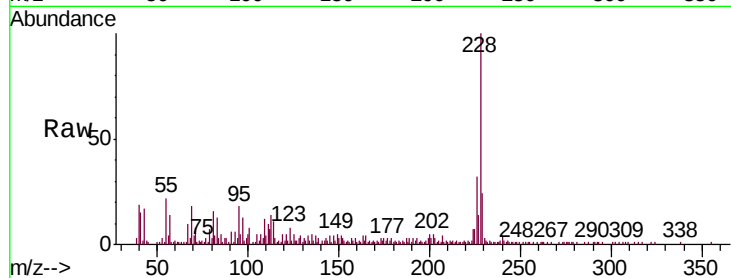
Tgt Ion:228 Resp: 53401

Ion Ratio Lower Upper

228 100

226 32.0 25.0 37.6

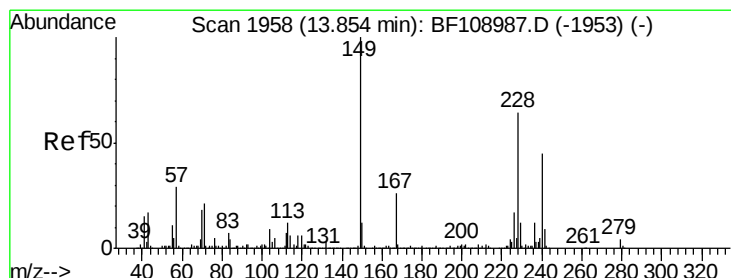
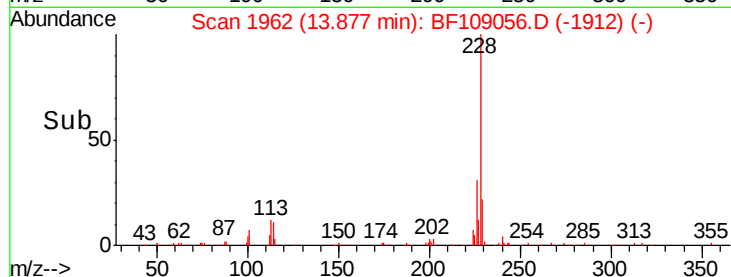
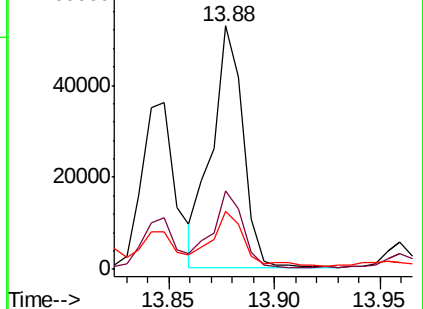
229 23.6 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.475 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

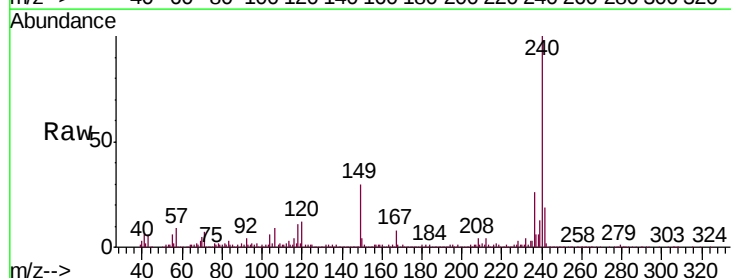
Tgt Ion:149 Resp: 93630

Ion Ratio Lower Upper

149 100

167 25.9 21.3 31.9

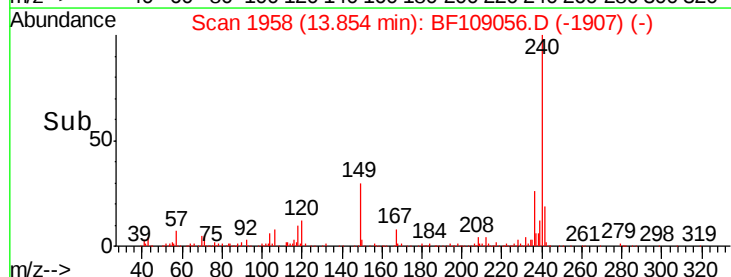
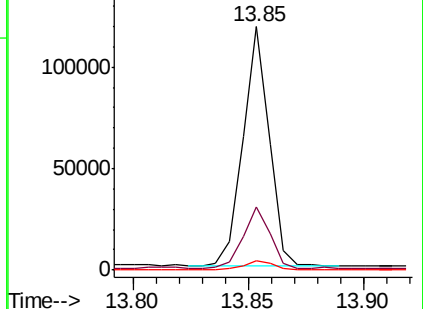
279 3.9 3.0 4.4

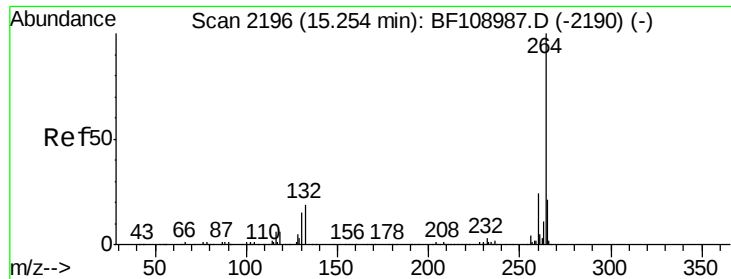


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

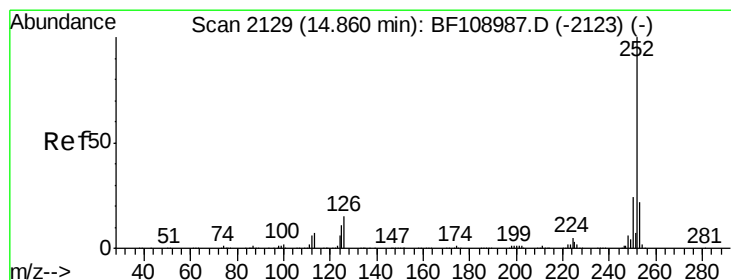
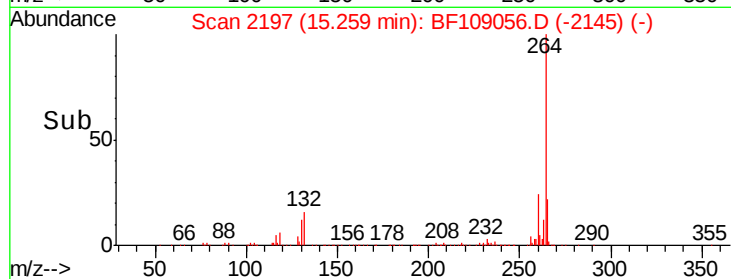
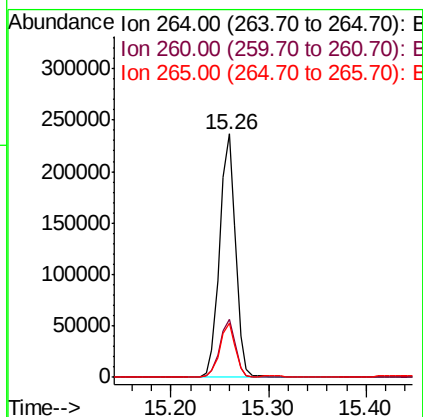
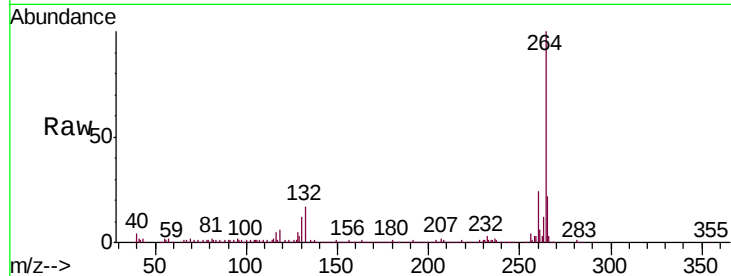




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109056.D
Acq: 17 Sep 2018 18:51

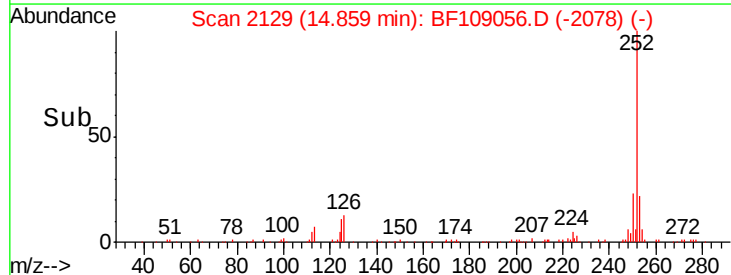
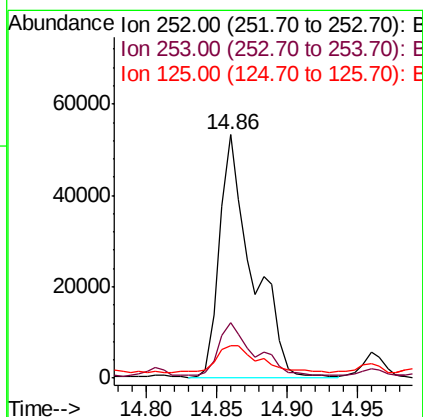
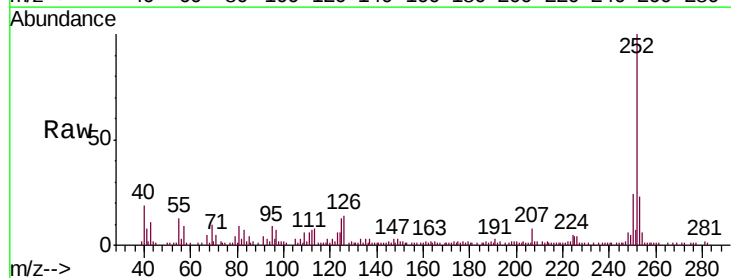
Instrument :
BNA_F
ClientSampleId :
RBR200051

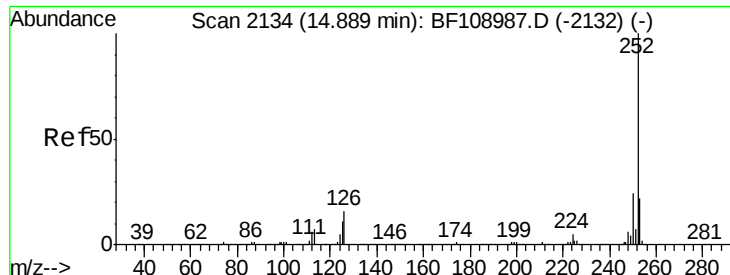
Tgt Ion:264 Resp: 268748
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.850 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109056.D
Acq: 17 Sep 2018 18:51

Tgt Ion:252 Resp: 86973
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 13.2 9.0 13.6

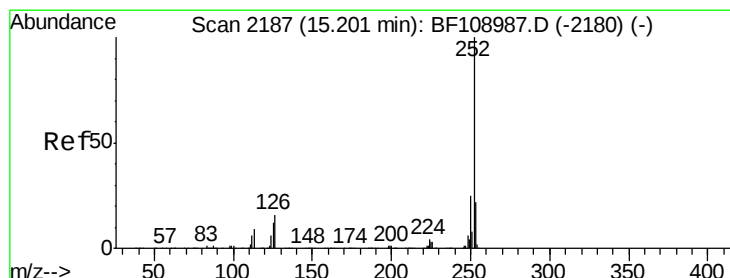
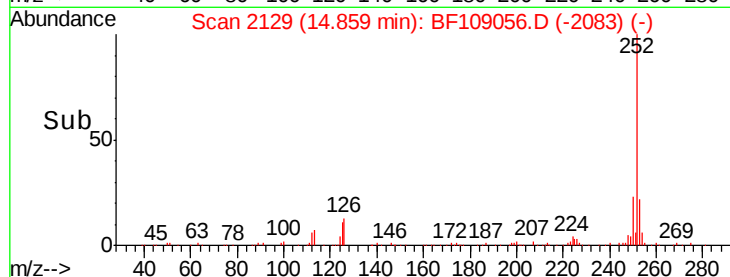
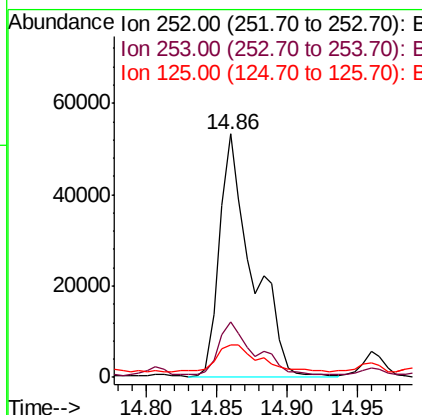
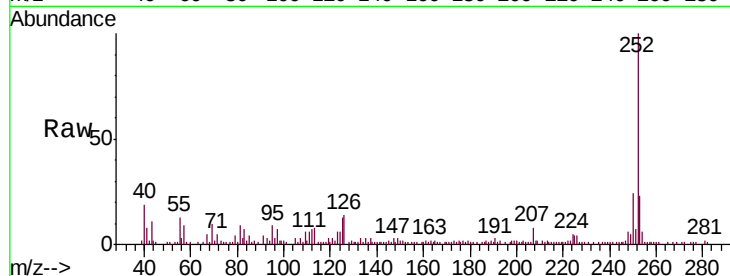




#88
Benzo(k)fluoranthene
Concen: 6.263 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.03 min
Lab File: BF109056.D
Acq: 17 Sep 2018 18:51

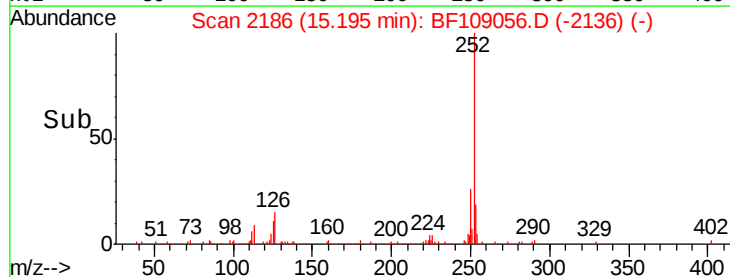
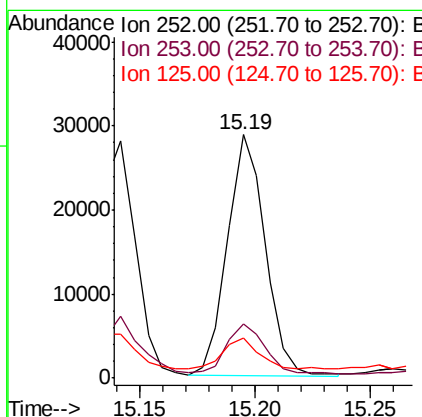
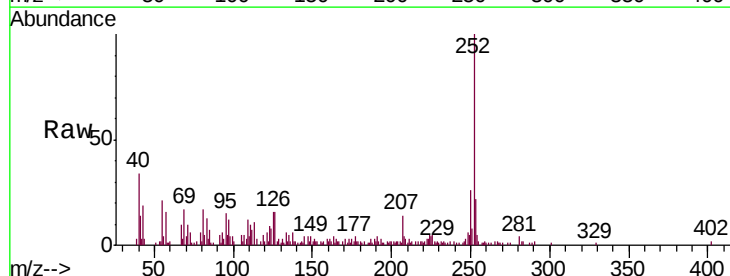
Instrument :
BNA_F
ClientSampleId :
RBR200051

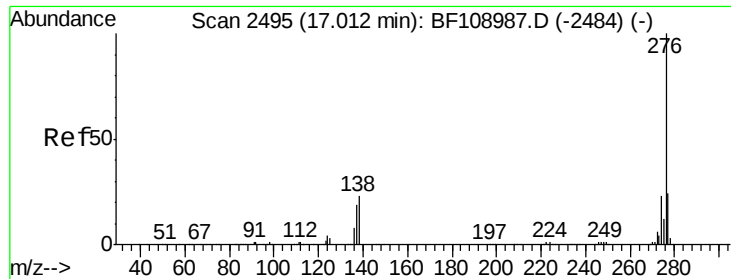
Tgt Ion:252 Resp: 86973
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 13.2 10.2 15.2



#89
Benzo(a)pyrene
Concen: 2.493 ng
RT: 15.19 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF109056.D
Acq: 17 Sep 2018 18:51

Tgt Ion:252 Resp: 32915
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 16.3 9.8 14.6#





#91

Benzo(g,h,i)perylene

Concen: 2.096 ng

RT: 17.01 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BF109056.D

Acq: 17 Sep 2018 18:51

Instrument :

BNA_F

ClientSampleId :

RBR200051

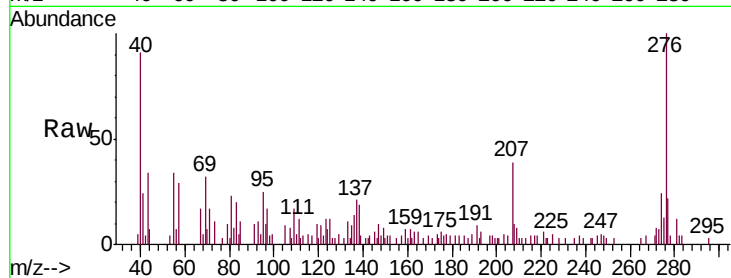
Tgt Ion: 276 Resp: 23242

Ion Ratio Lower Upper

276 100

277 22.2 17.9 26.9

138 19.1 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

15000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

