

Data Path : U:\HPCHEM1\BNA F\DATA\BF011218\
 Data File : BF102055.D
 Acq On : 12 Jan 2018 20:50
 Operator : SJ/JU
 Sample : J1094-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 12 21:57:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	213654	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	800045	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	302705	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	402907	20.00	ng	0.00
75) Chrysene-d12	13.90	240	266428	20.00	ng	0.02
86) Perylene-d12	15.34	264	210515	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1003989	66.36	ng	0.01
7) Phenol-d6	6.36	99	1200962	66.53	ng	0.00
23) Nitrobenzene-d5	7.29	82	701128	51.50	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	153231	58.01	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	996950	51.45	ng	0.00
78) Terphenyl-d14	12.84	244	531558	41.42	ng	0.00

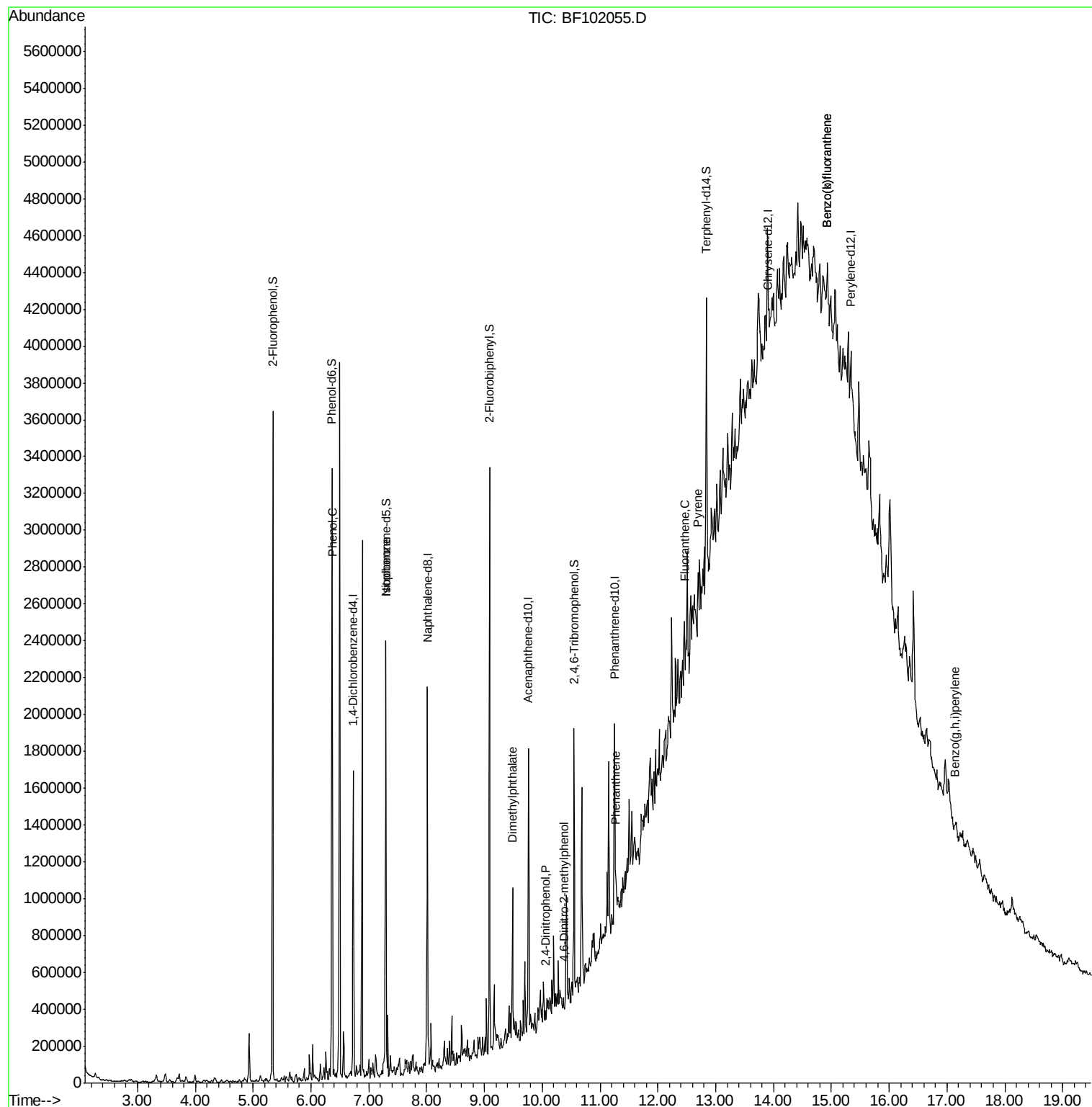
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	50669	2.484	ng	97
25) Isophorone	7.29	82	701128	26.063	ng	# 64
49) Dimethylphthalate	9.48	163	213415	8.789	ng	99
53) 2,4-Dinitrophenol	10.05	184	671	8.981	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.38	198	110	5.707	ng	# 1
70) Phenanthrene	11.27	178	70696	3.004	ng	96
74) Fluoranthene	12.46	202	66533	2.873	ng	93
77) Pyrene	12.69	202	69659	2.958	ng	# 91
87) Benzo(b)fluoranthene	14.92	252	42733	3.113	ng	# 1
88) Benzo(k)fluoranthene	14.92	252	42646	3.221	ng	# 1
91) Benzo(a,h,i)perylene	17.14	276	26511	2.670	ng	# 67

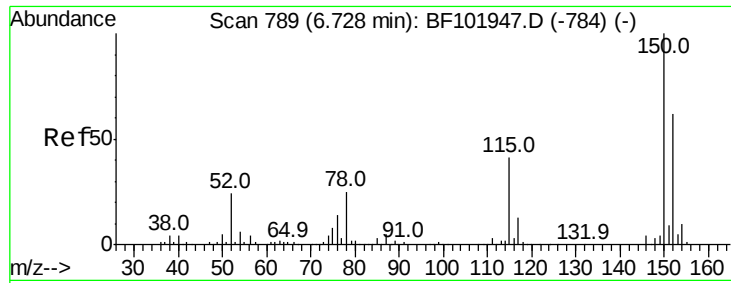
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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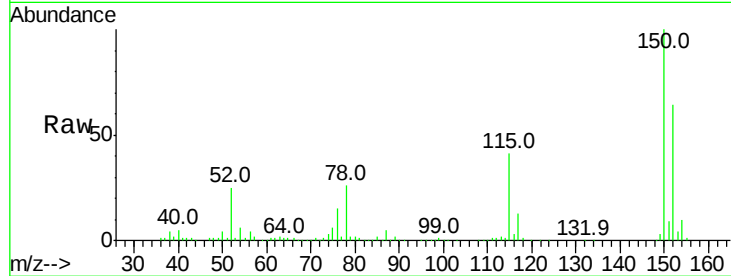


#1

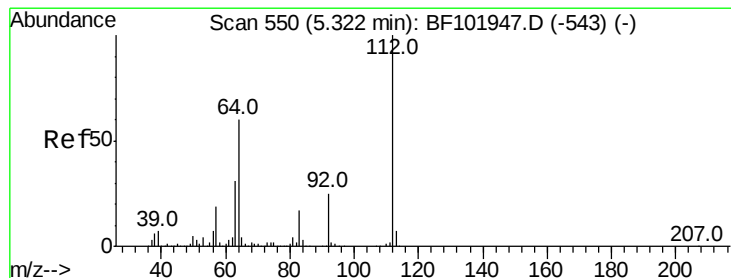
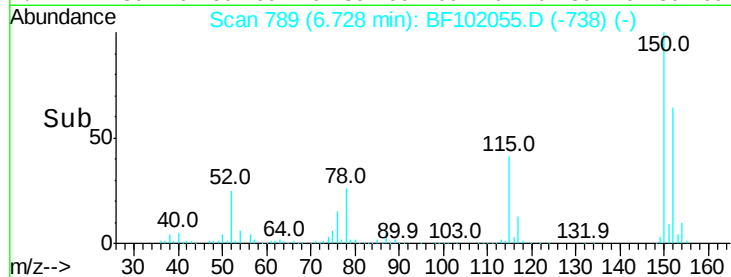
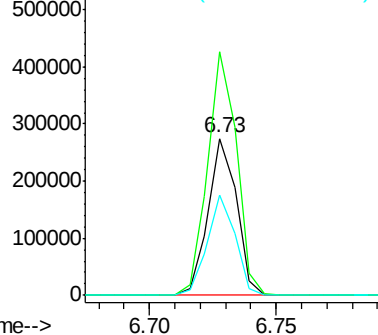
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF102055.D
Acq: 12 Jan 2018 20:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 213654
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 64.2 50.1 75.1



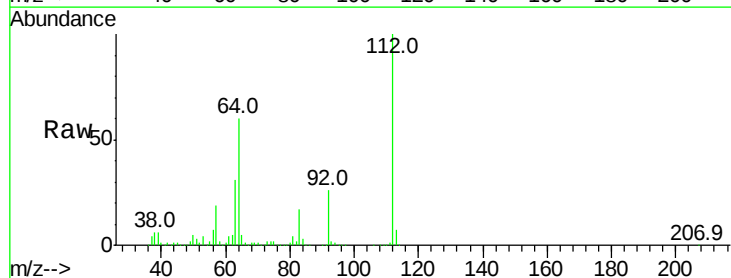
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



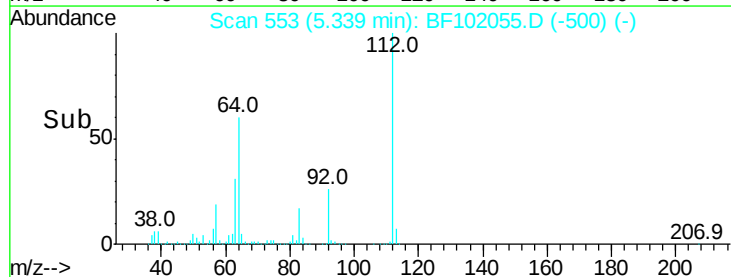
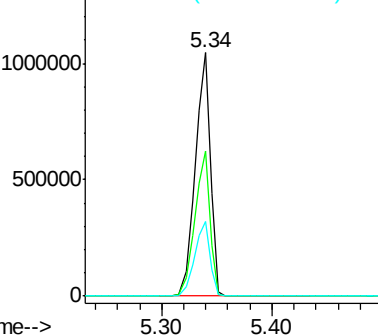
#5

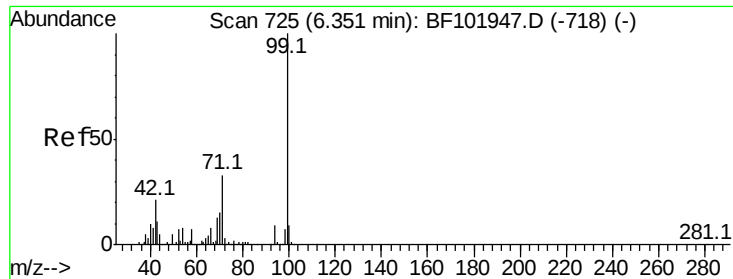
2-Fluorophenol
Concen: 66.356 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102055.D
Acq: 12 Jan 2018 20:50

Tgt Ion:112 Resp: 1003989
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 30.7 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: 66.527 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

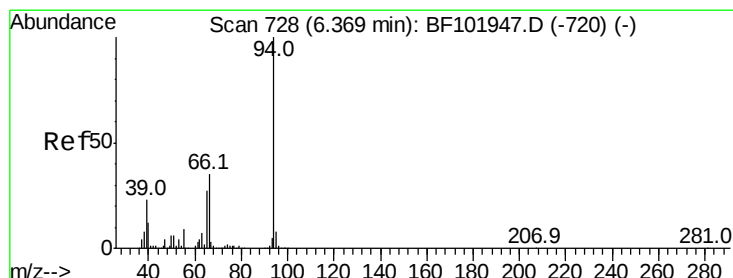
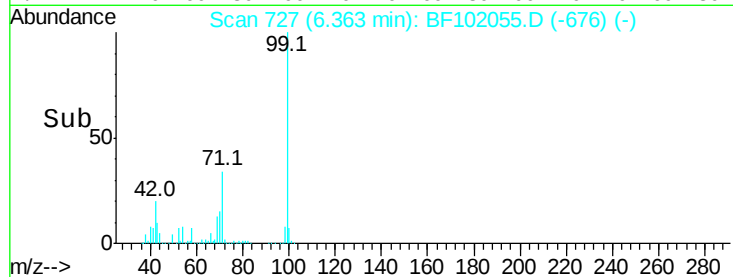
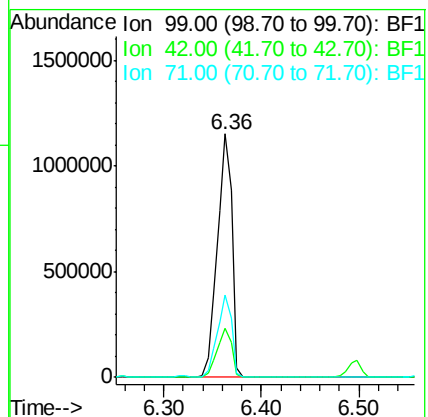
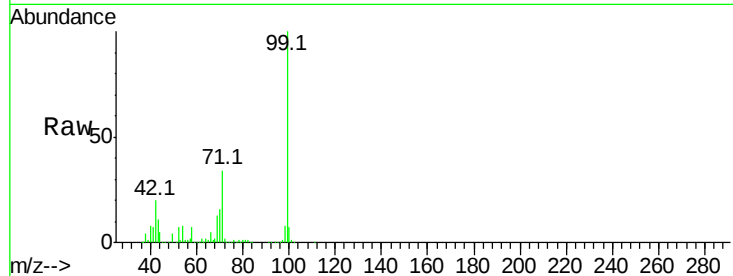
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1200962

Ion	Ratio	Lower	Upper
99	100		
42	20.1	14.5	21.7
71	33.9	25.4	38.0



#10

Phenol

Concen: 2.484 ng

RT: 6.37 min Scan# 729

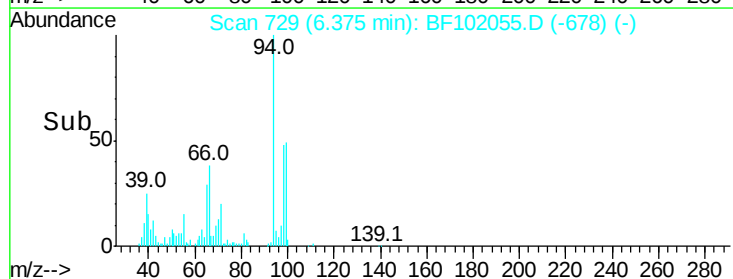
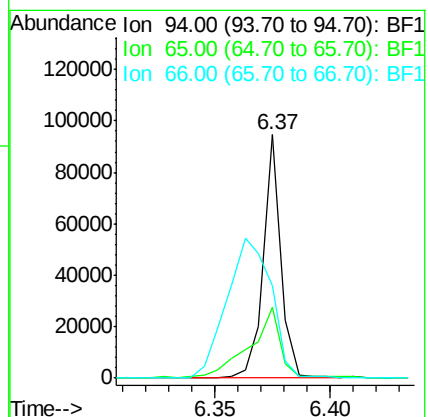
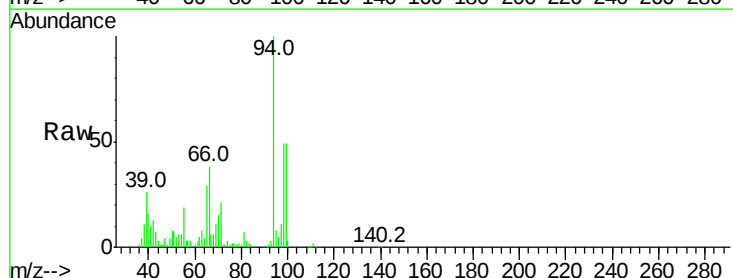
Delta R.T. -0.00 min

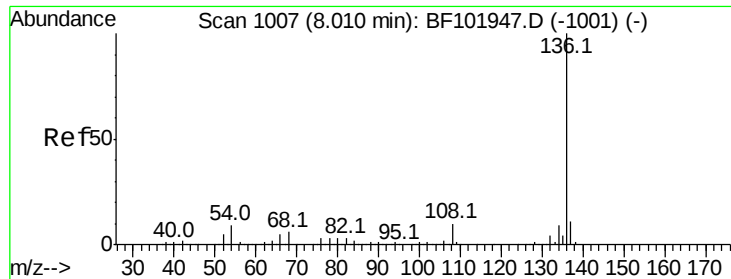
Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

Tgt Ion: 94 Resp: 50669

Ion	Ratio	Lower	Upper
94	100		
65	28.9	7.9	47.9
66	38.2	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 800045

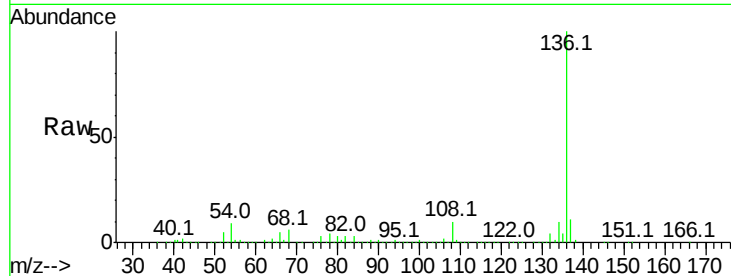
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.0 6.6 9.8

68 6.3 5.0 7.4

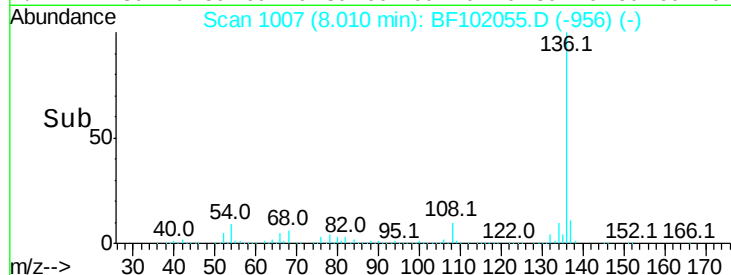


Abundance Ion 136.00 (135.70 to 136.70): E

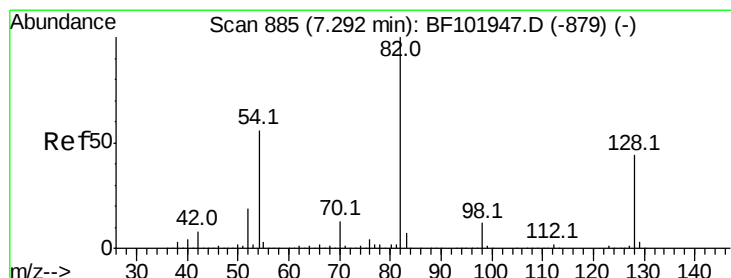
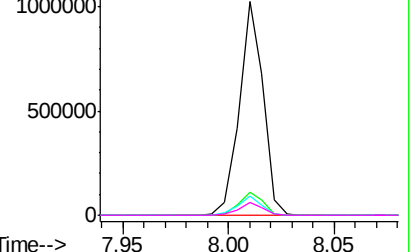
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 51.499 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

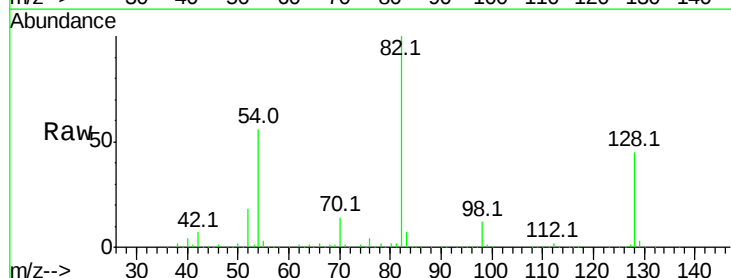
Tgt Ion: 82 Resp: 701128

Ion Ratio Lower Upper

82 100

128 44.7 36.1 54.1

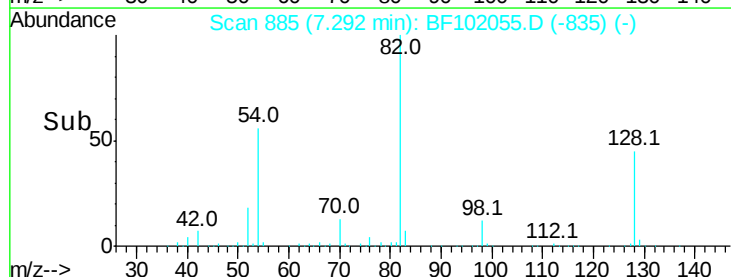
54 56.1 41.4 62.2



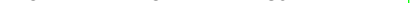
Abundance Ion 82.00 (81.70 to 82.70): BF1

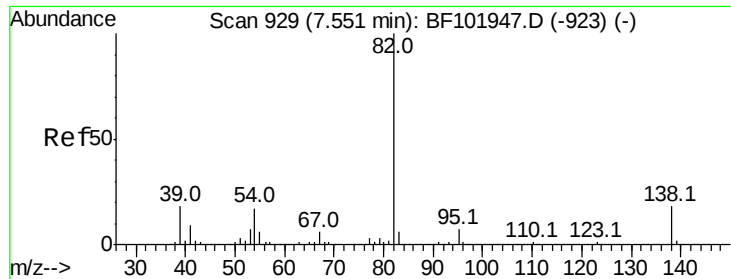
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 26.063 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

Instrument :

BNA_F

ClientSampled :

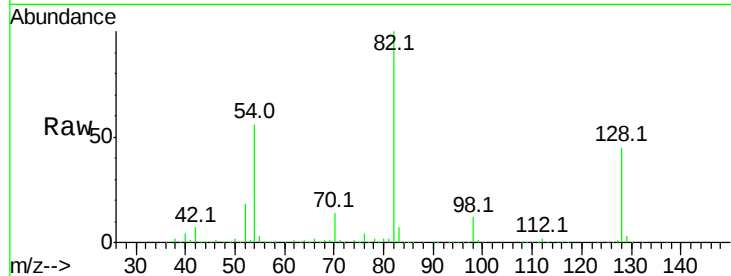
Tot Ion: 82 Resp: 701128

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

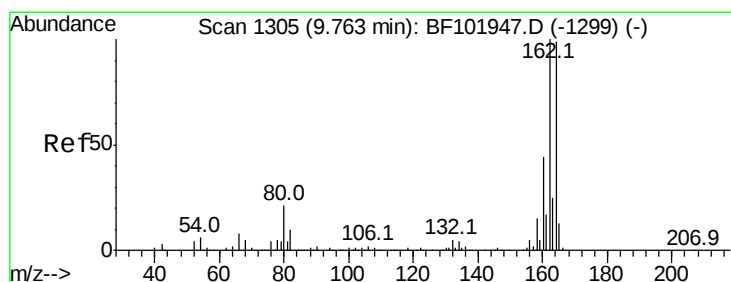
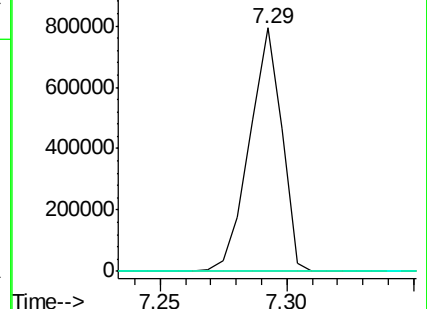
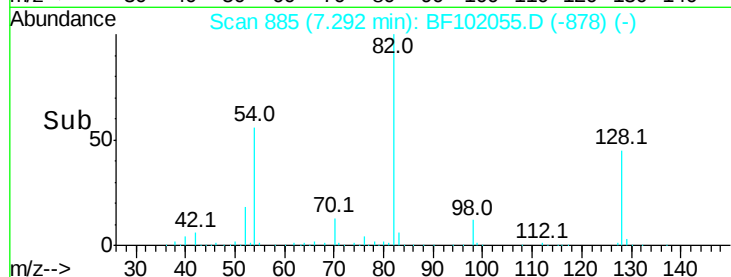
138 0.0 14.9 22.3#



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: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

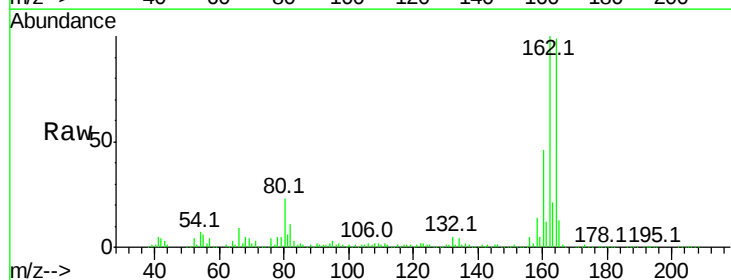
Tgt Ion:164 Resp: 302705

Ion Ratio Lower Upper

164 100

162 100.6 86.1 129.1

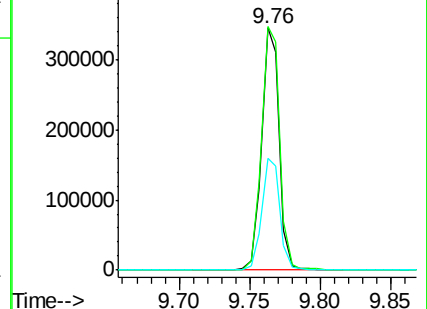
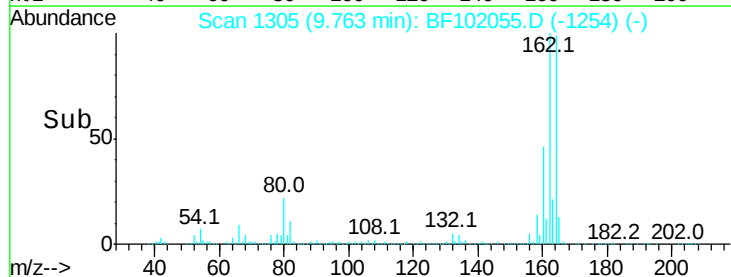
160 46.0 38.3 57.5

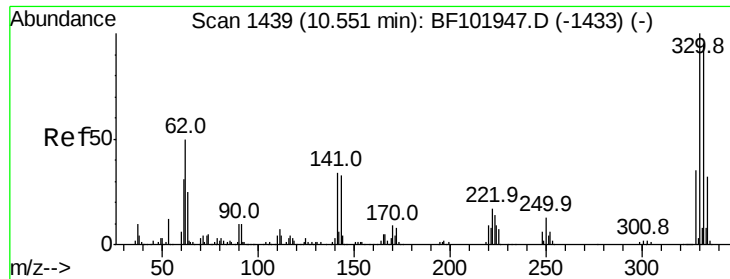


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

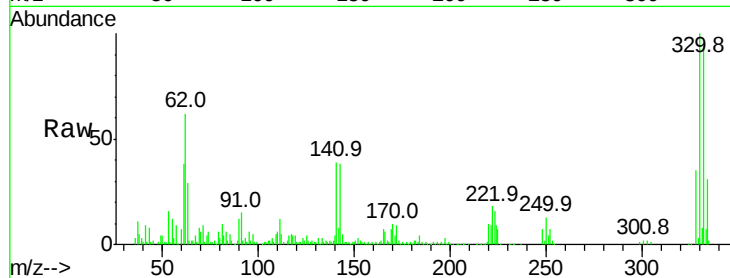




#41
 2,4,6-Tribromophenol
 Concen: 58.005 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BF102055.D
 Acq: 12 Jan 2018 20:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	38.1	29.9	44.9

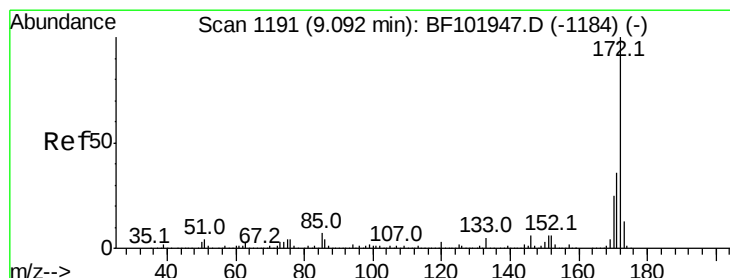
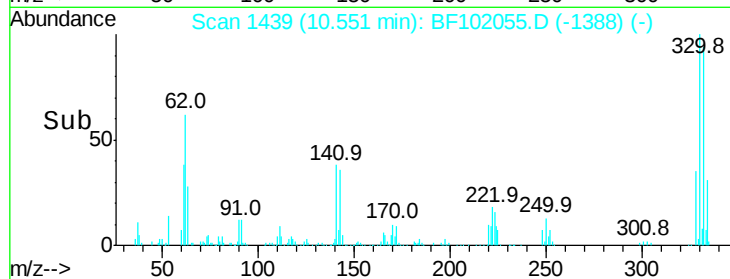
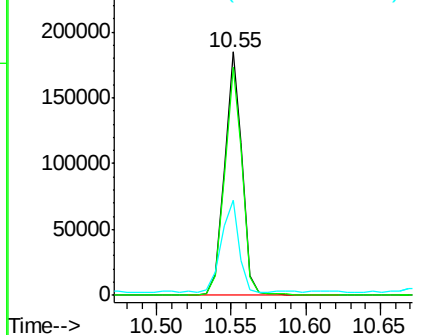


Abundance

Ion 329.80 (329.50 to 330.50): E

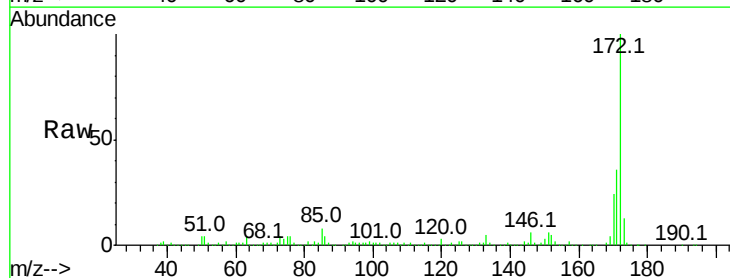
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 51.453 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF102055.D
 Acq: 12 Jan 2018 20:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.0	19.6	29.4

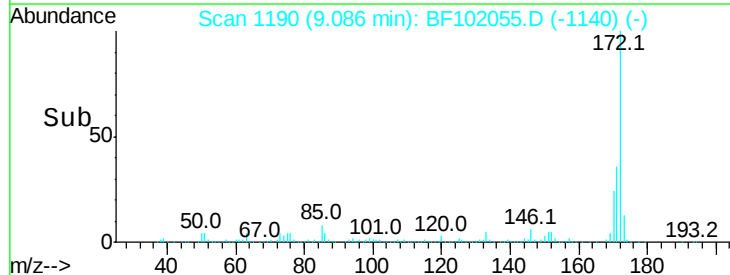
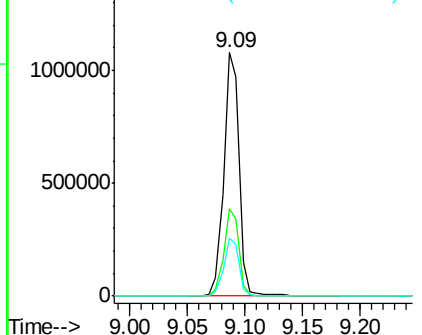


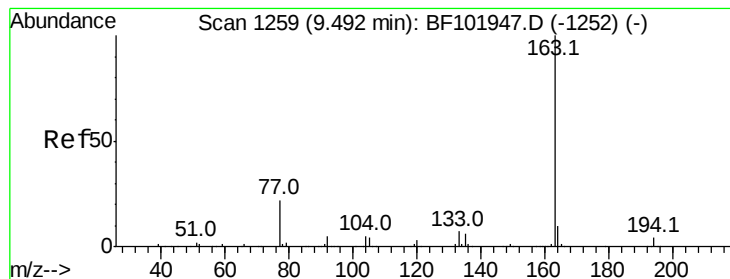
Abundance

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: 8.789 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

Instrument :

BNA_F

ClientSampleId :

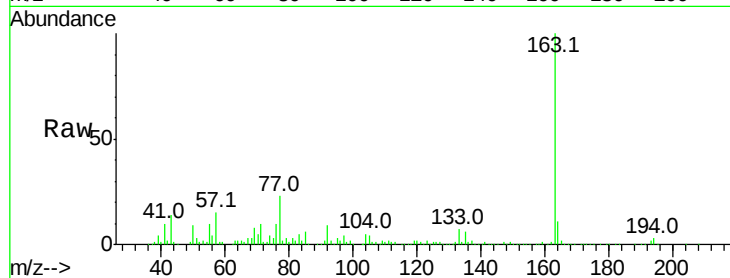
Tot Ion:163 Resp: 213415

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

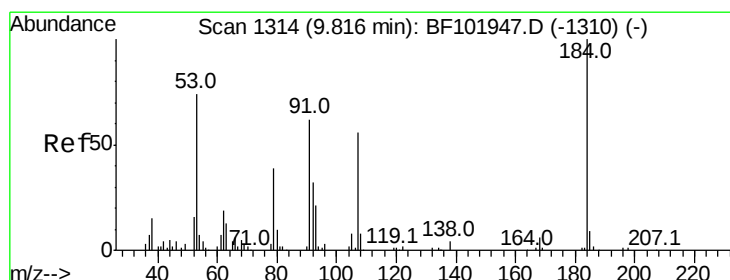
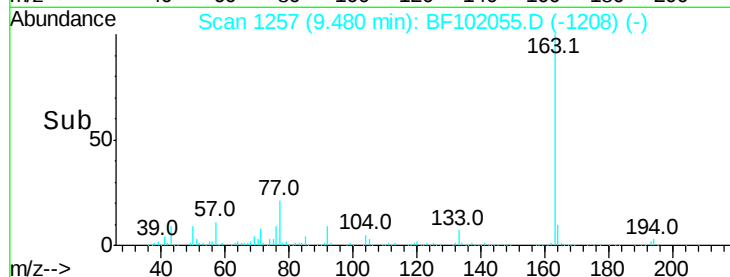
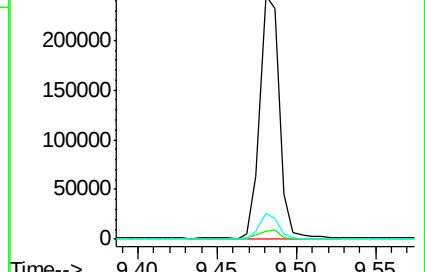
164 10.8 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 8.981 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.23 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

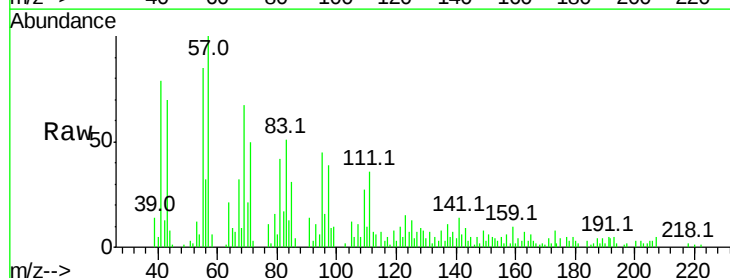
Tgt Ion:184 Resp: 671

Ion Ratio Lower Upper

184 100

63 45.6 54.2 81.2#

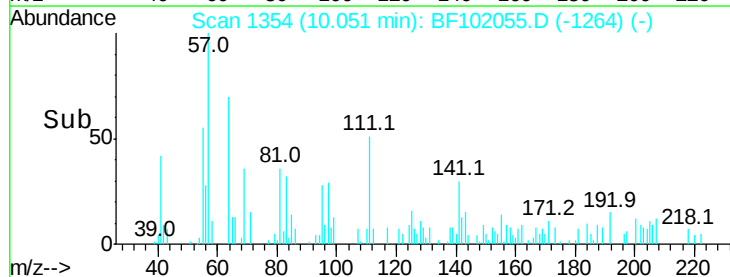
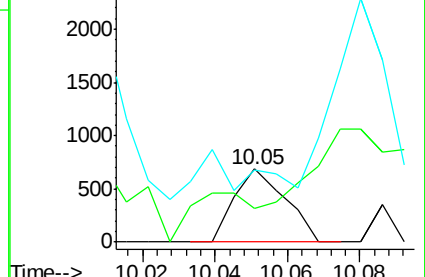
154 99.4 184.0 276.0#

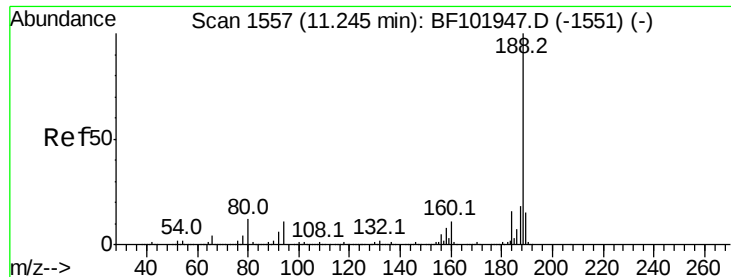


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

Instrument :

BNA_F

ClientSampleId :

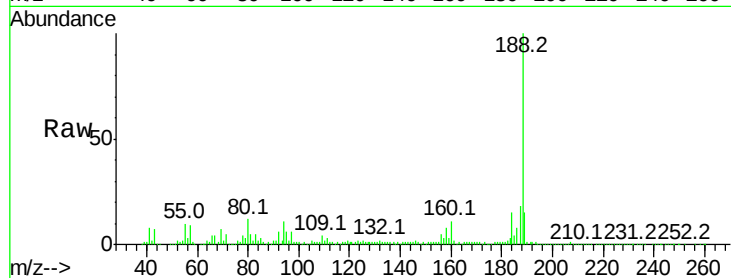
Tot Ion:188 Resp: 402907

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

80 11.5 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

11.25

400000

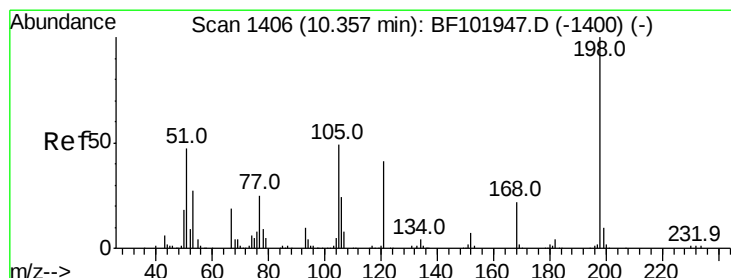
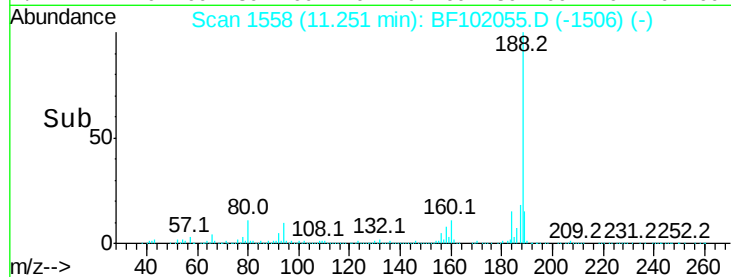
300000

200000

100000

0

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 5.707 ng

RT: 10.38 min Scan# 1410

Delta R.T. 0.02 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

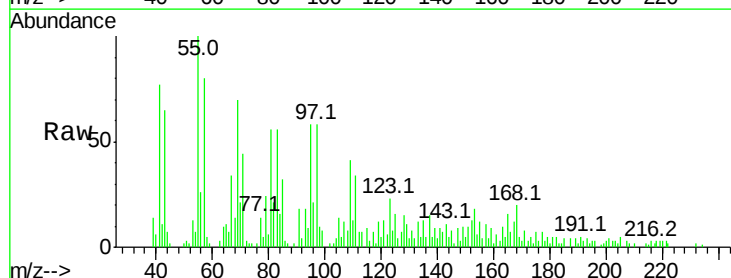
Tgt Ion:198 Resp: 110

Ion Ratio Lower Upper

198 100

51 182.6 37.7 77.7#

105 1016.1 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

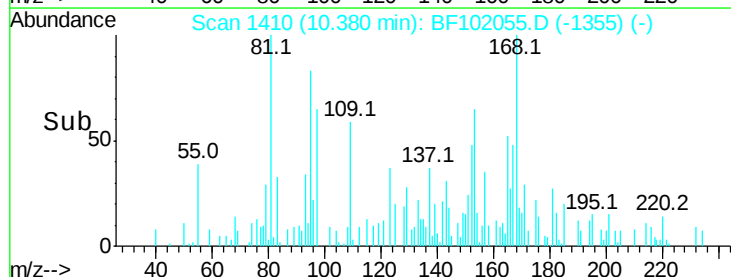
6000

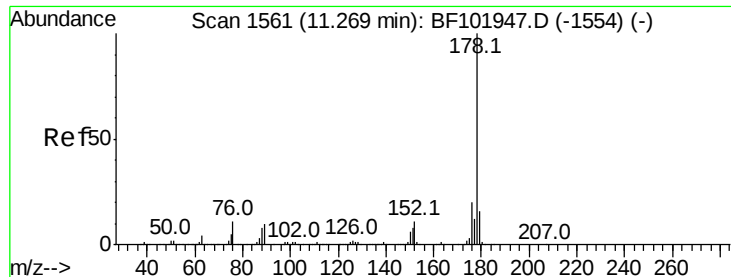
4000

2000

0

Time-->





#70

Phenanthrene

Concen: 3.004 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

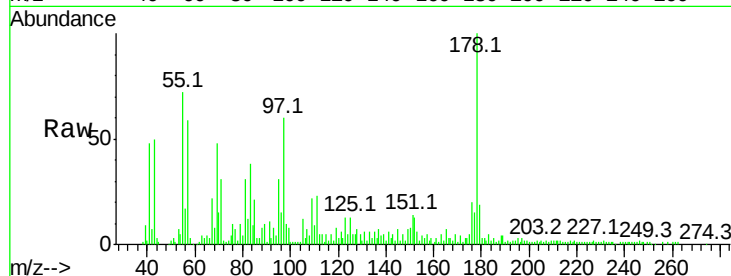
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 70696

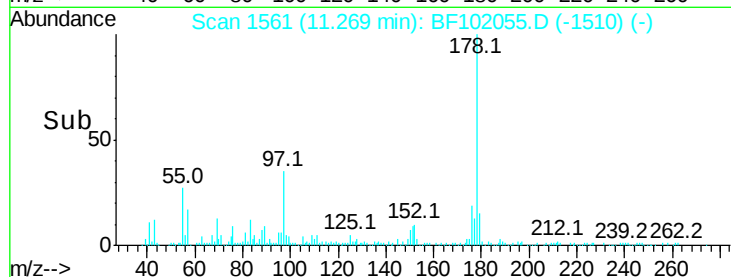
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	19.3	13.0	19.6



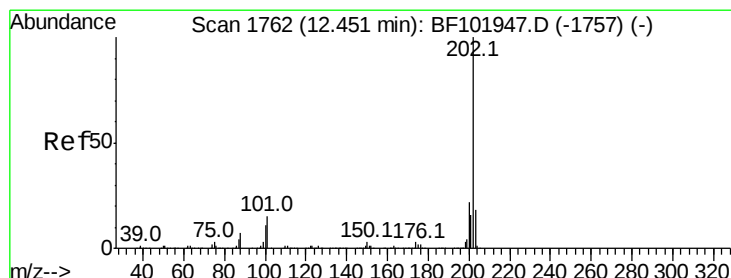
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 2.873 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

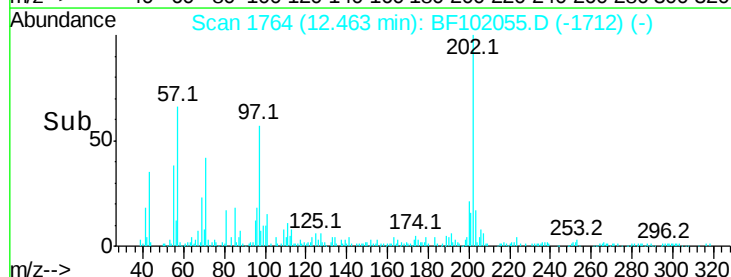
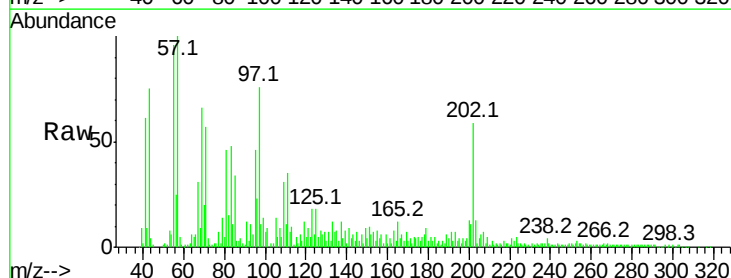
Tgt Ion:202 Resp: 66533

Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	34.1
203	22.2	0.0	38.1

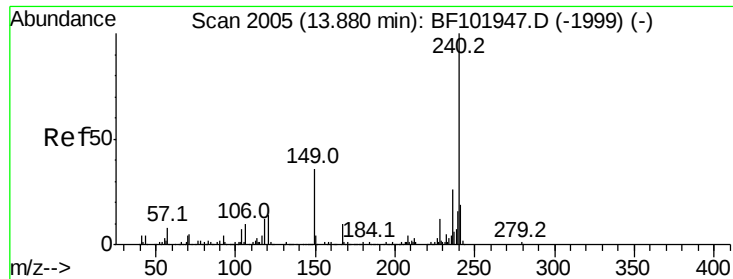
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

Instrument :

BNA_F

ClientSampleId :

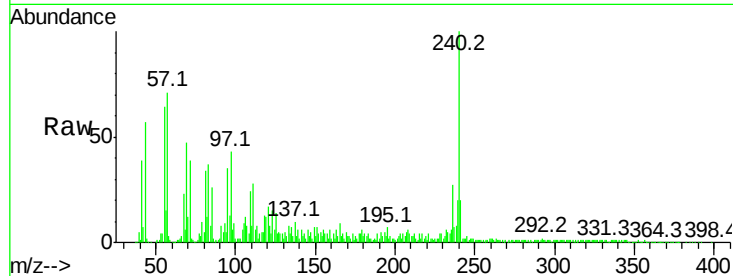
Tot Ion:240 Resp: 266428

Ion Ratio Lower Upper

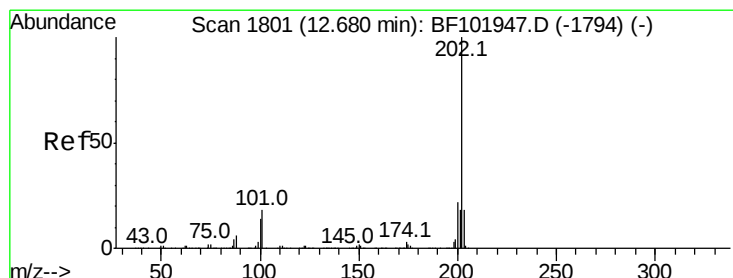
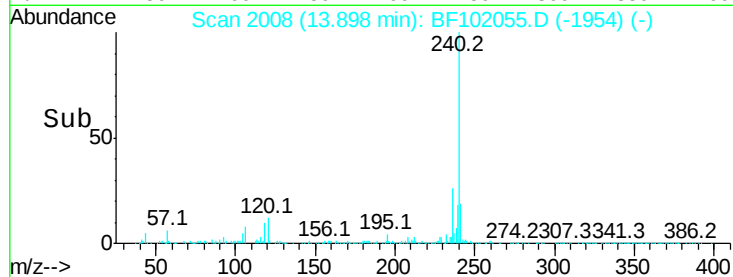
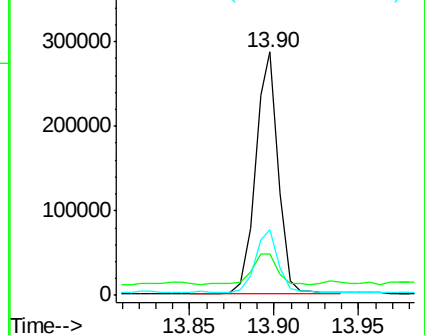
240 100

120 17.2 9.5 14.3#

236 27.1 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: 2.958 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

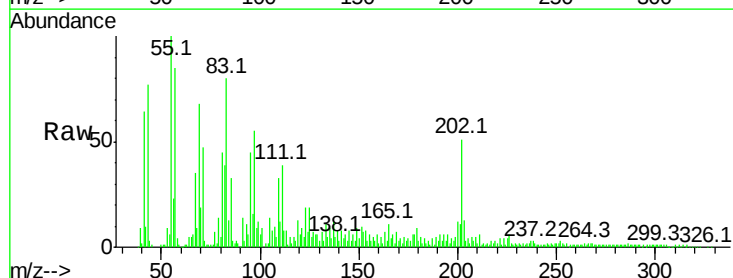
Tgt Ion:202 Resp: 69659

Ion Ratio Lower Upper

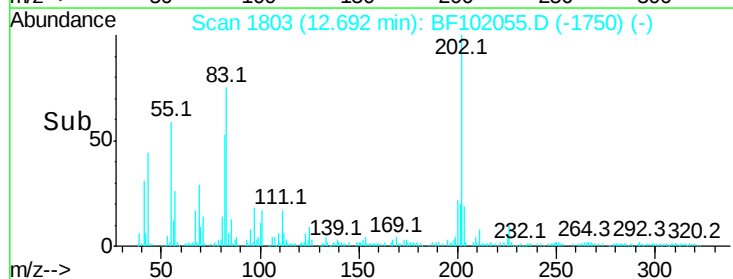
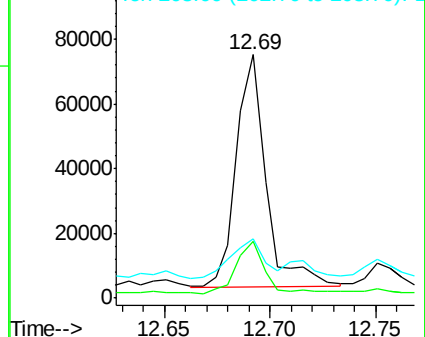
202 100

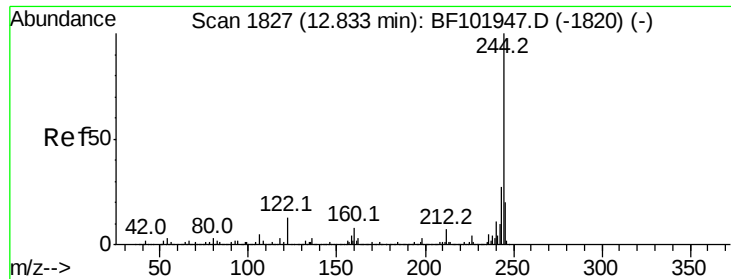
200 23.5 17.4 26.2

203 24.5 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: 41.424 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

Instrument :

BNA_F

ClientSampleId :

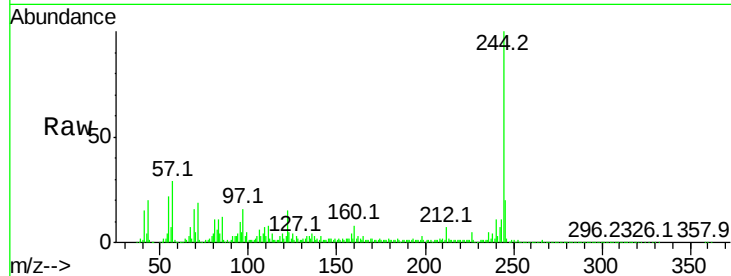
Tot Ion:244 Resp: 531558

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

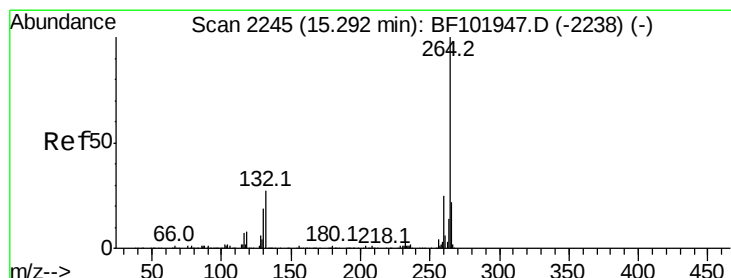
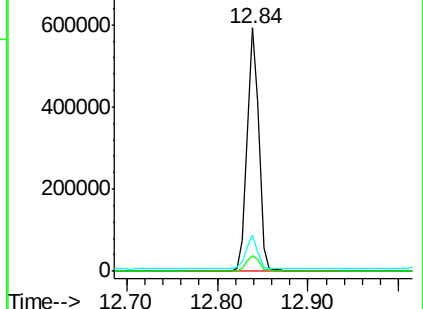
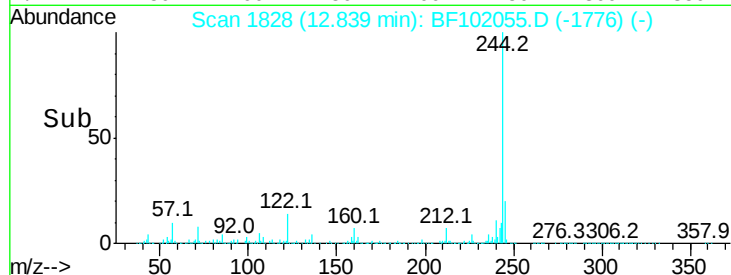
122 15.0 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.05 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

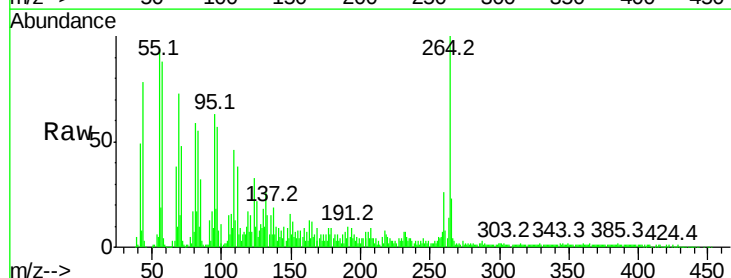
Tgt Ion:264 Resp: 210515

Ion Ratio Lower Upper

264 100

260 26.3 19.2 28.8

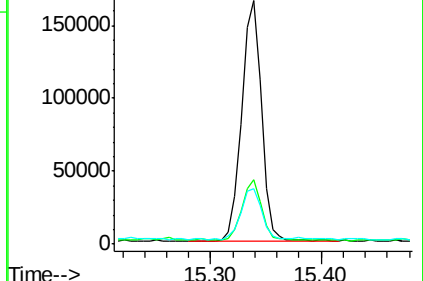
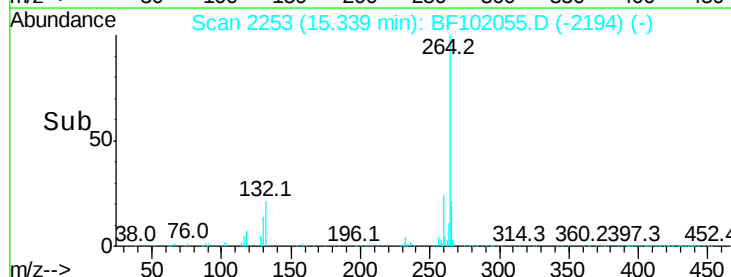
265 22.6 17.5 26.3

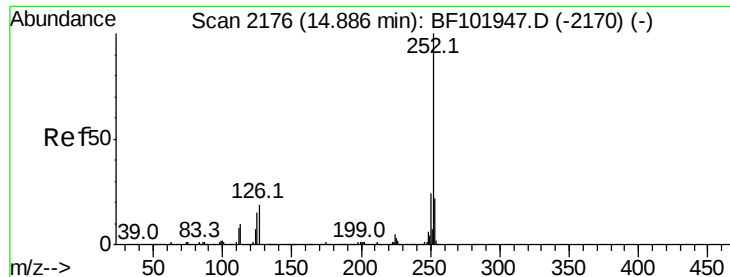


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.113 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.04 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

Instrument :

BNA_F

ClientSampleId :

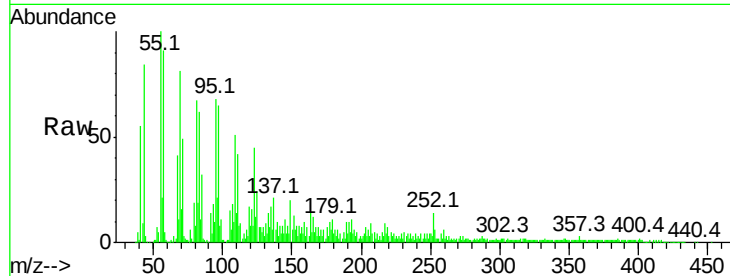
Tot Ion:252 Resp: 42733

Ion Ratio Lower Upper

252 100

253 46.1 17.0 25.6#

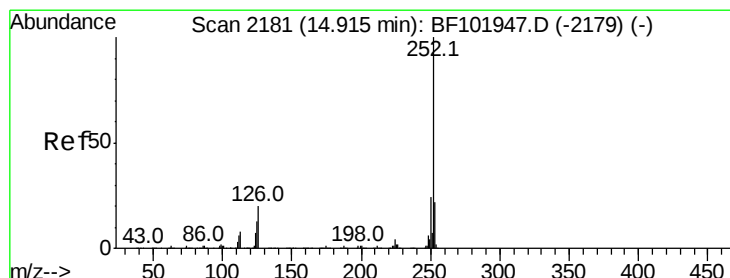
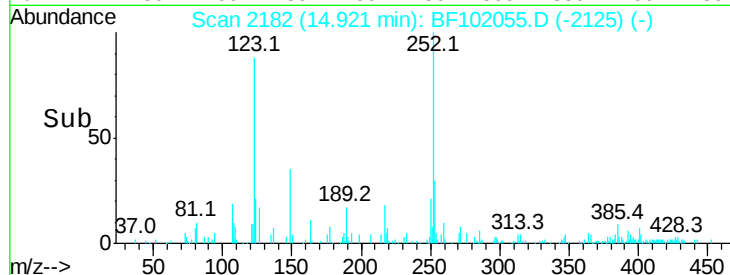
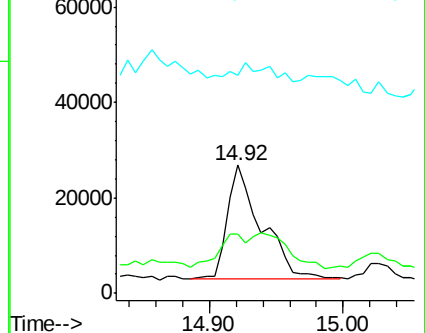
125 170.8 9.0 13.6#



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: 3.221 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

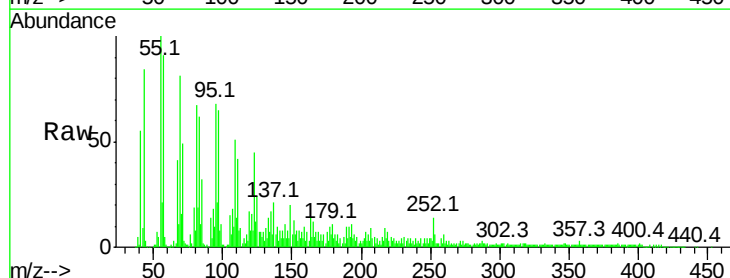
Tgt Ion:252 Resp: 42646

Ion Ratio Lower Upper

252 100

253 46.1 17.9 26.9#

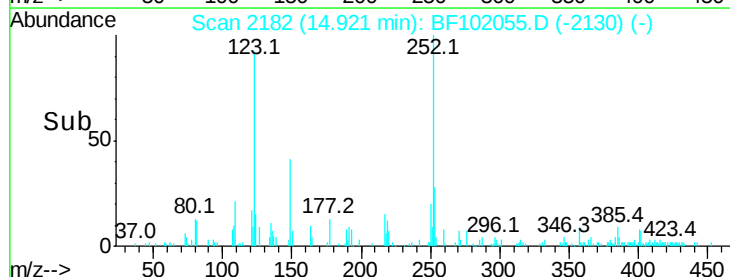
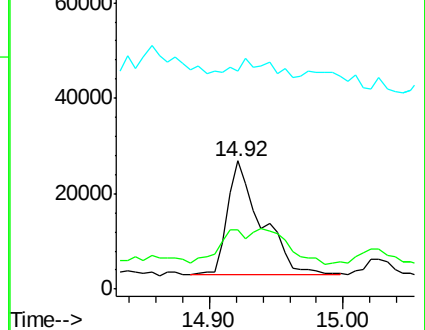
125 170.8 10.2 15.2#

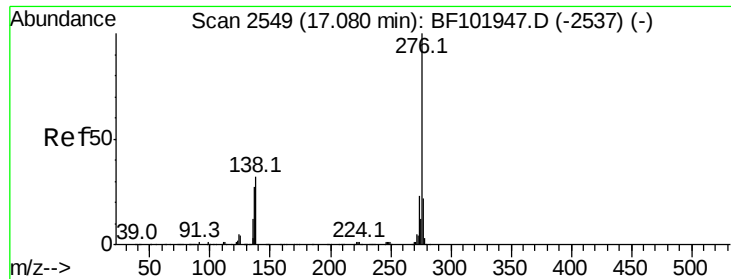


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.670 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.05 min

Lab File: BF102055.D

Acq: 12 Jan 2018 20:50

Instrument :

BNA_F

ClientSampleId :

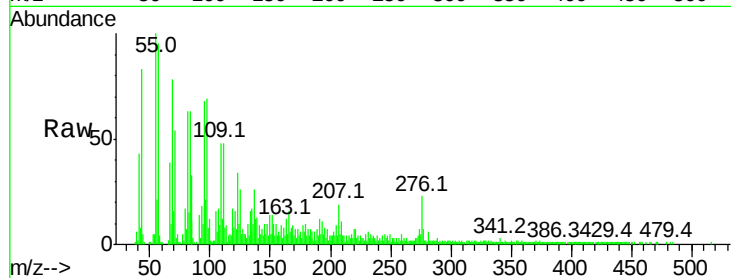
Tot Ion:276 Resp: 26511

Ion Ratio Lower Upper

276 100

277 29.2 17.9 26.9#

138 52.8 21.8 32.8#



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

