

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112170.D
 Acq On : 21 Jan 2019 20:35
 Operator : JU/SJ
 Sample : K1201-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 23885-23703

Quant Time: Jan 22 01:13:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

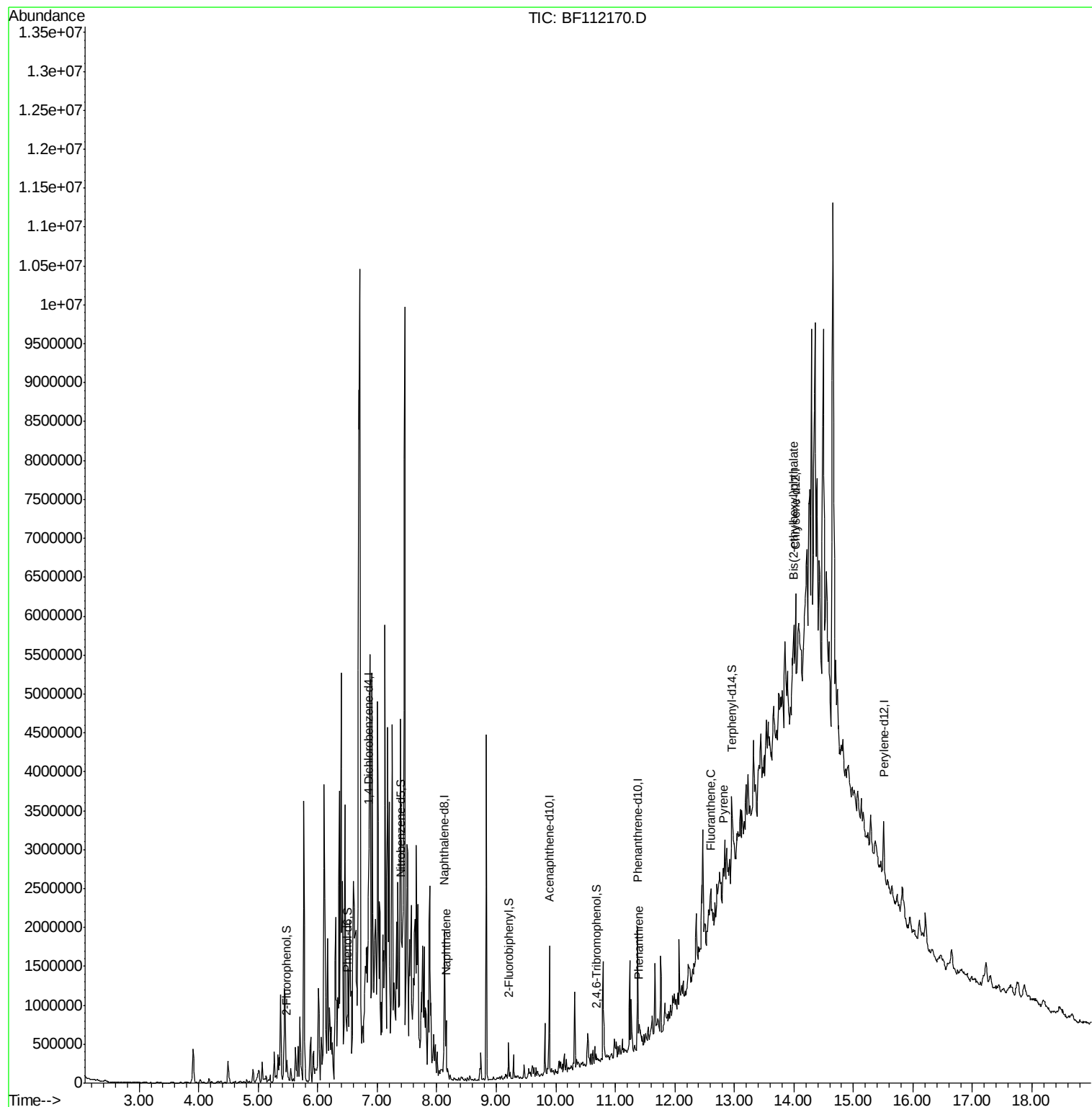
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	210110	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	804488	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	332035	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	580686	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	417065	20.00	ng	0.00
87) Perylene-d12	15.51	264	337530	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	76378	6.60	ng	-0.01
7) Phenol-d6	6.49	99	90866	6.27	ng	-0.01
23) Nitrobenzene-d5	7.41	82	132590	11.39	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	19379	5.41	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	141910	6.27	ng	-0.01
79) Terphenyl-d14	12.96	244	129797	6.62	ng	-0.01
Target Compounds						
31) Naphthalene	8.16	128	194140	5.306	ng	100
71) Phenanthrene	11.40	178	91708	3.138	ng	97
75) Fluoranthene	12.59	202	168427	5.459	ng	98
78) Pyrene	12.82	202	129847	4.719	ng	98
84) Bis(2-ethylhexyl)phthalate	14.00	149	250866	14.500	ng	98

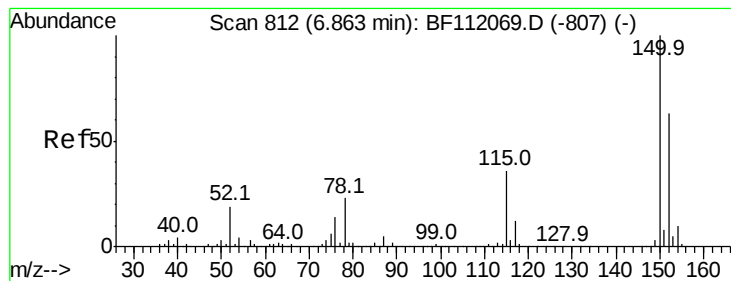
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.86 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

Instrument :

BNA_F

ClientSampleId :

23885-23703

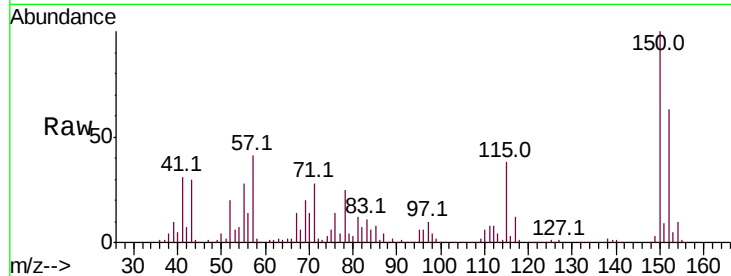
Tot Ion:152 Resp: 210110

Ion Ratio Lower Upper

152 100

150 157.5 127.4 191.0

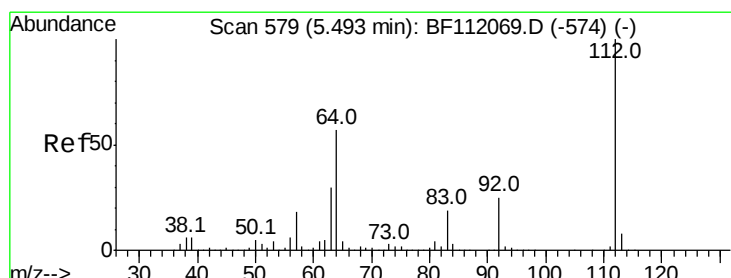
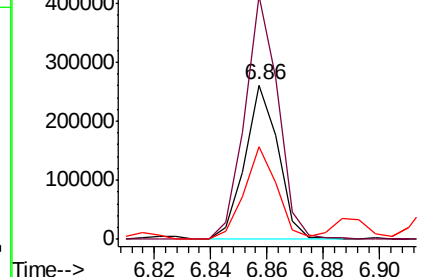
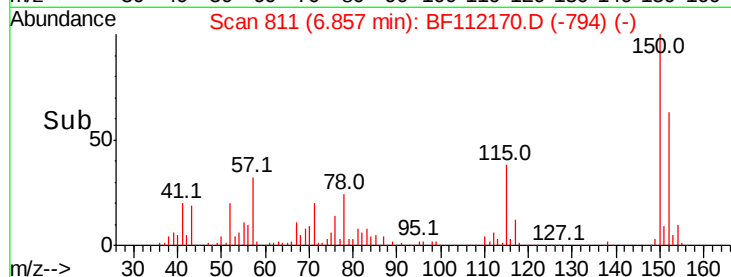
115 60.0 45.5 68.3



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: 6.598 ng

RT: 5.48 min Scan# 577

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

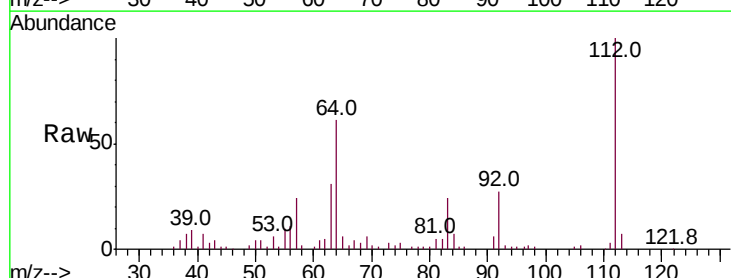
Tgt Ion:112 Resp: 76378

Ion Ratio Lower Upper

112 100

64 61.1 45.7 68.5

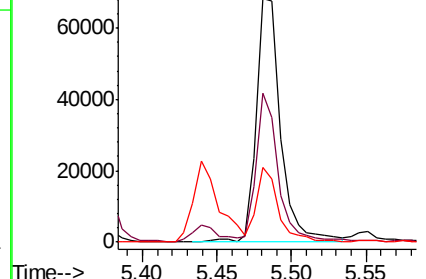
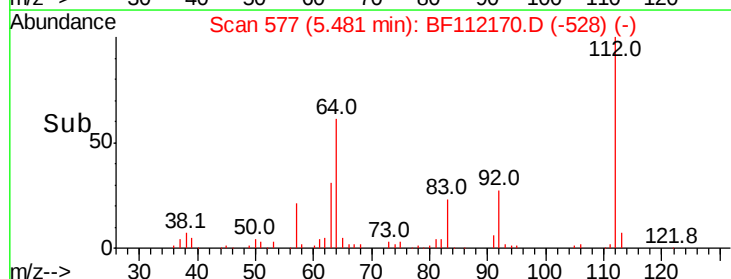
63 30.7 23.6 35.4

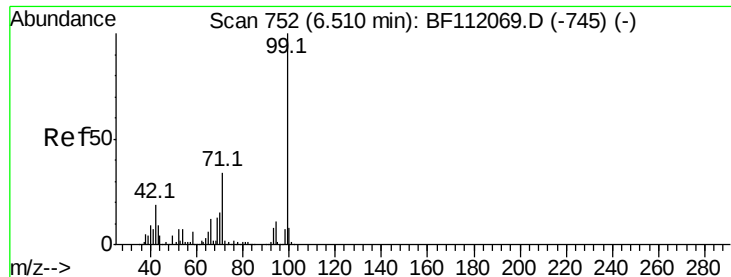


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 6.274 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

Instrument :

BNA_F

ClientSampleId :

23885-23703

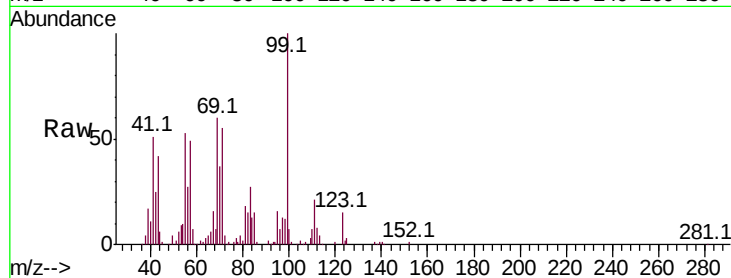
Tot Ion: 99 Resp: 90866

Ion Ratio Lower Upper

99 100

42 25.0 15.1 22.7#

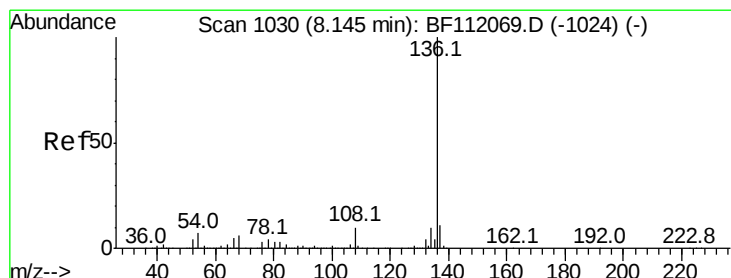
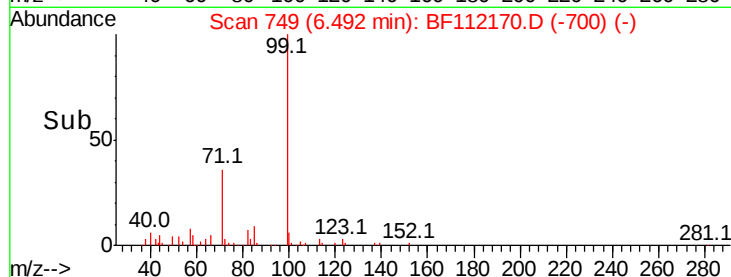
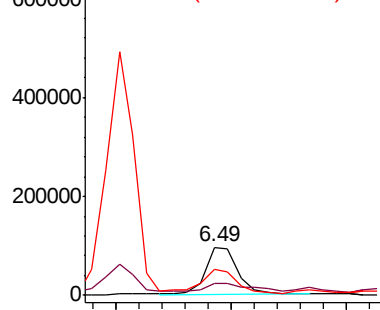
71 55.1 26.9 40.3#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

Tgt Ion: 136 Resp: 804488

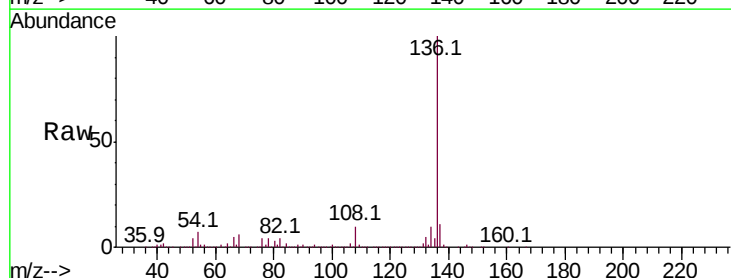
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 7.0 5.9 8.9

68 5.6 5.1 7.7

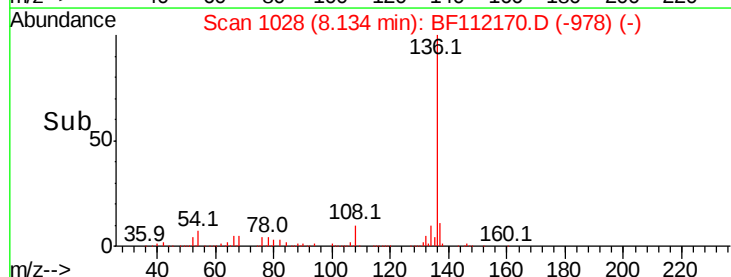
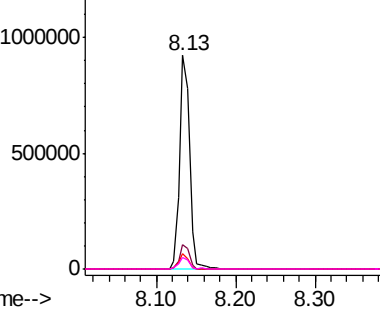


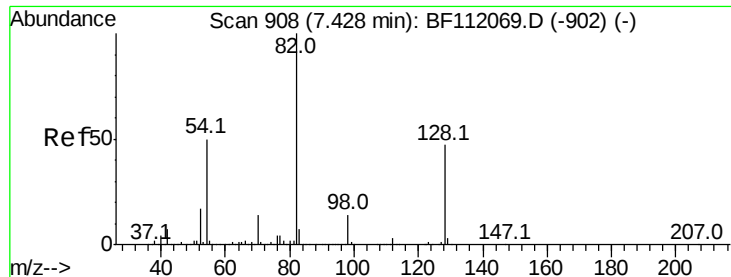
Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.387 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

Instrument :

BNA_F

ClientSampleId :

23885-23703

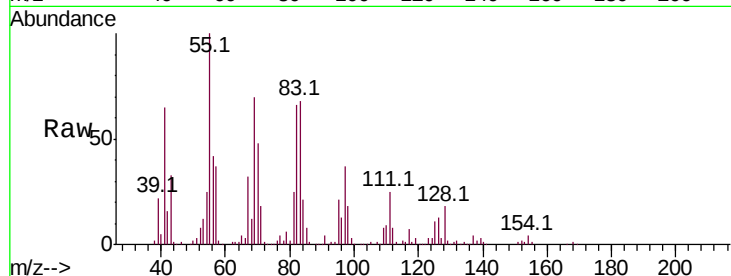
Tot Ion: 82 Resp: 132590

Ion Ratio Lower Upper

82 100

128 27.2 37.8 56.8#

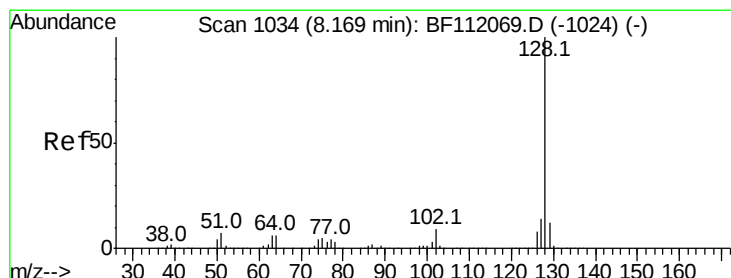
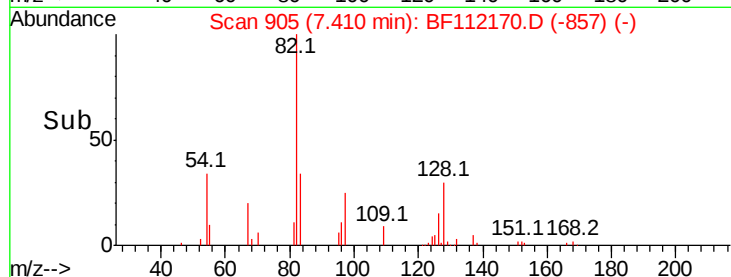
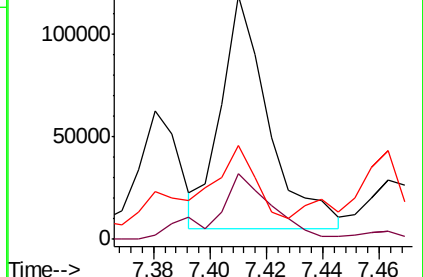
54 38.4 39.7 59.5#



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



#31

Naphthalene

Concen: 5.306 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

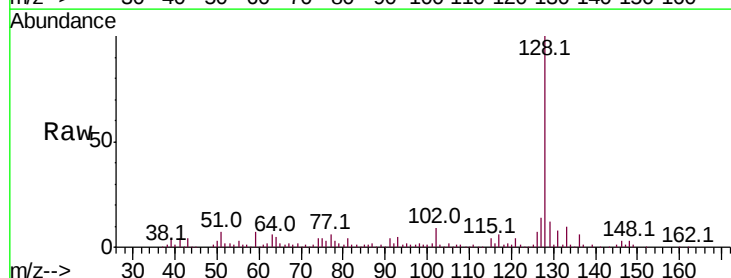
Tgt Ion: 128 Resp: 194140

Ion Ratio Lower Upper

128 100

129 12.1 9.6 14.4

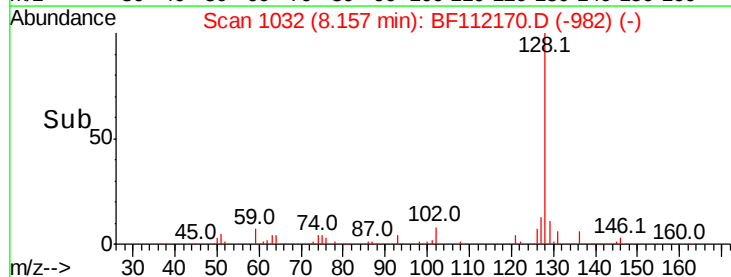
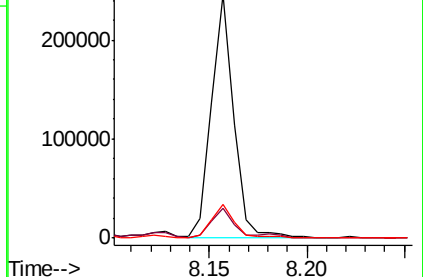
127 13.8 11.1 16.7

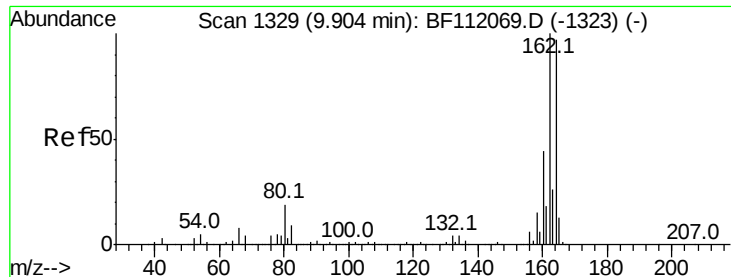


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

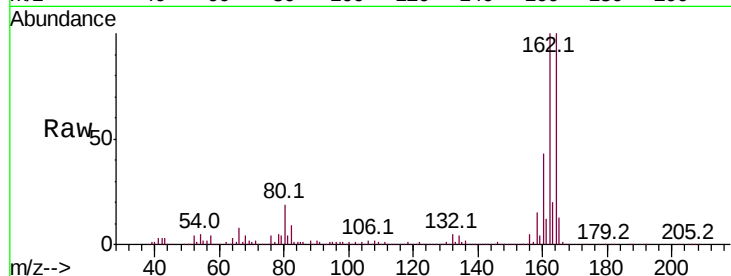




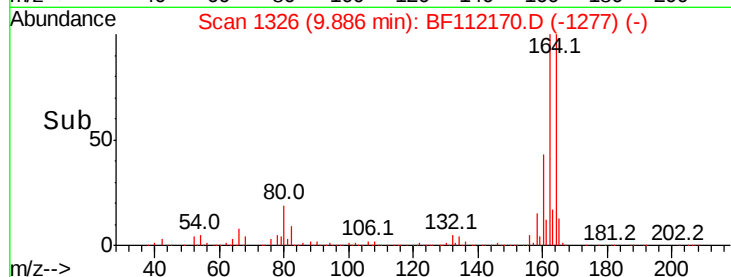
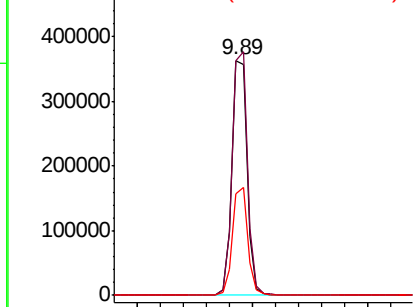
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF112170.D
 Acq: 21 Jan 2019 20:35

Instrument :
 BNA_F
 ClientSampleId :
 23885-23703

Tot Ion:164 Resp: 332035
 Ion Ratio Lower Upper
 164 100
 162 99.9 82.2 123.4
 160 43.4 36.2 54.4

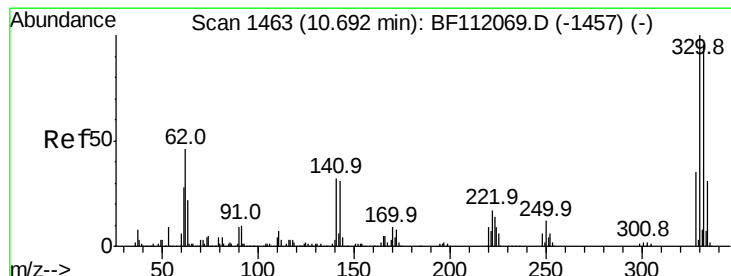


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

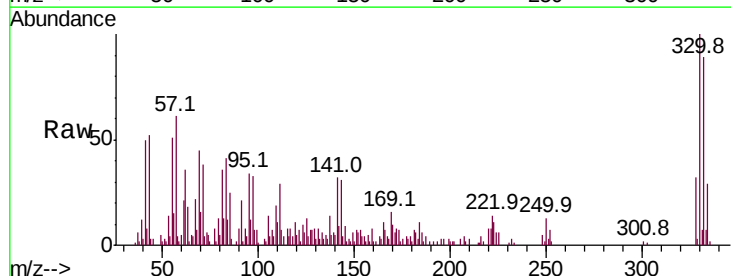
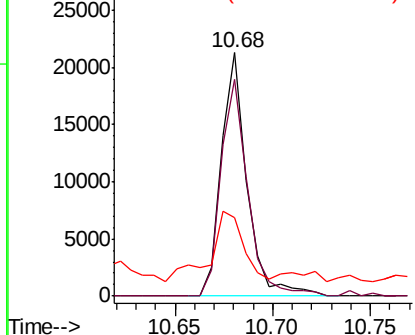


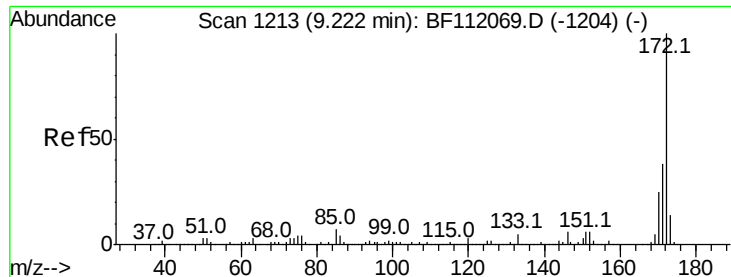
#42
 2,4,6-Tribromophenol
 Concen: 5.410 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112170.D
 Acq: 21 Jan 2019 20:35

Tgt Ion:330 Resp: 19379
 Ion Ratio Lower Upper
 330 100
 332 93.9 76.6 114.8
 141 37.3 24.3 36.5#



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

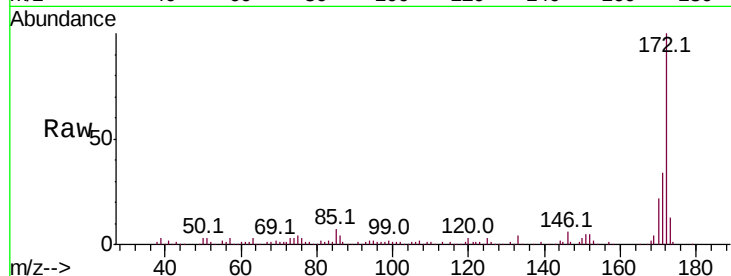




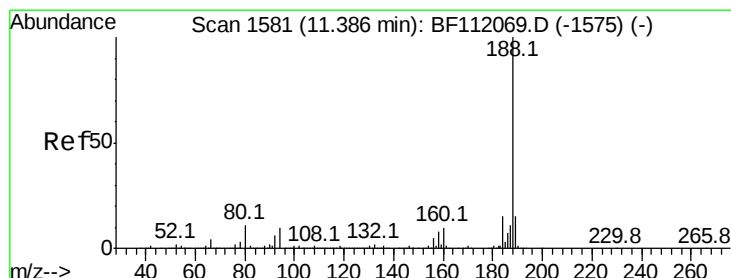
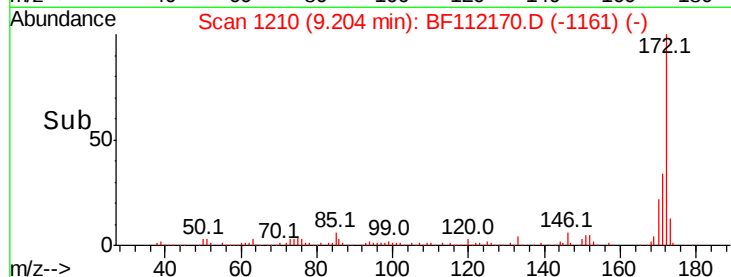
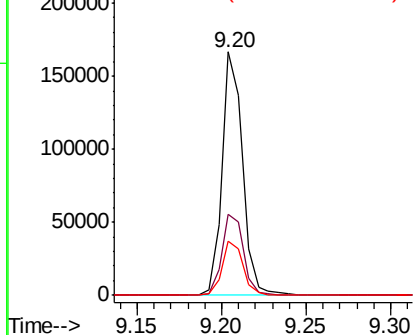
#45
 2-Fluorobiphenyl
 Concen: 6.266 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF112170.D
 Acq: 21 Jan 2019 20:35

Instrument :
 BNA_F
 ClientSampleId :
 23885-23703

Tot Ion:172 Resp: 141910
 Ion Ratio Lower Upper
 172 100
 171 33.5 30.5 45.7
 170 22.2 20.2 30.4

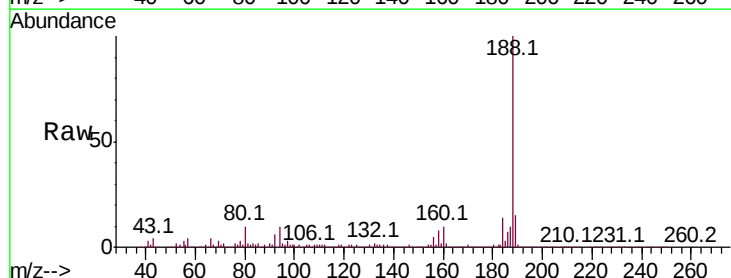


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

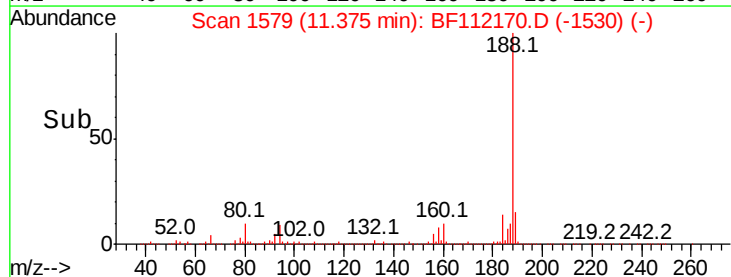
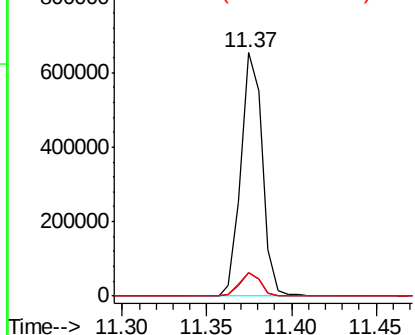


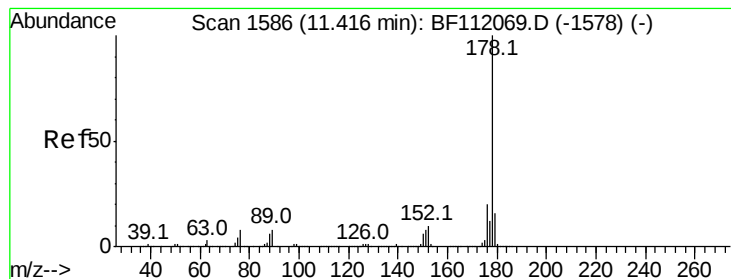
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF112170.D
 Acq: 21 Jan 2019 20:35

Tgt Ion:188 Resp: 580686
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.2 12.2
 80 9.8 8.9 13.3



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





#71

Phenanthrene

Concen: 3.138 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

Instrument :

BNA_F

ClientSampled :

23885-23703

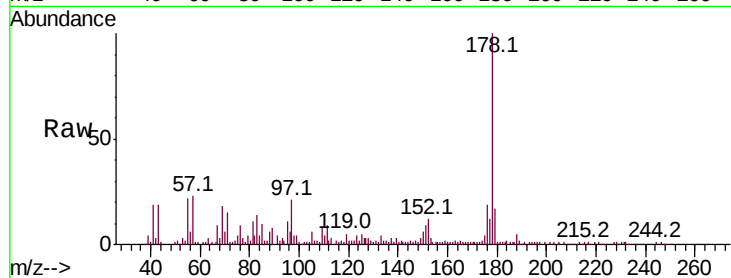
Tot Ion:178 Resp: 91708

Ion Ratio Lower Upper

178 100

176 18.8 16.3 24.5

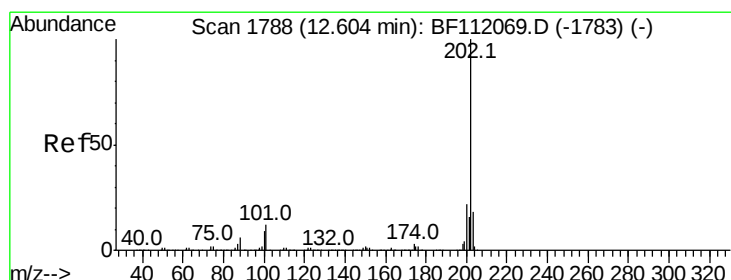
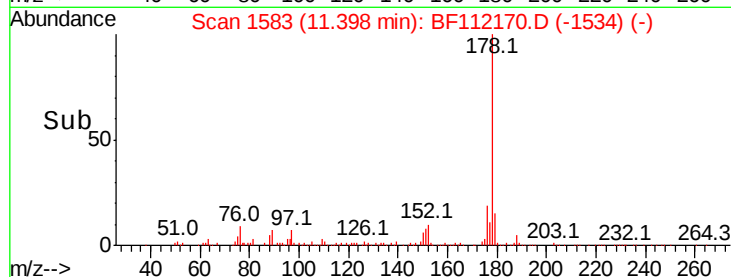
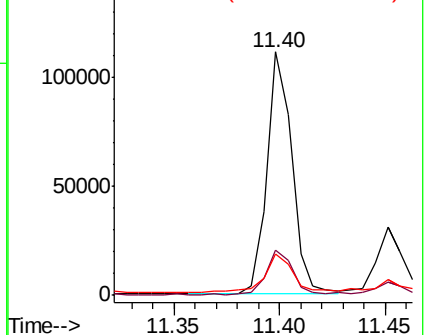
179 16.7 13.0 19.4



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



#75

Fluoranthene

Concen: 5.459 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

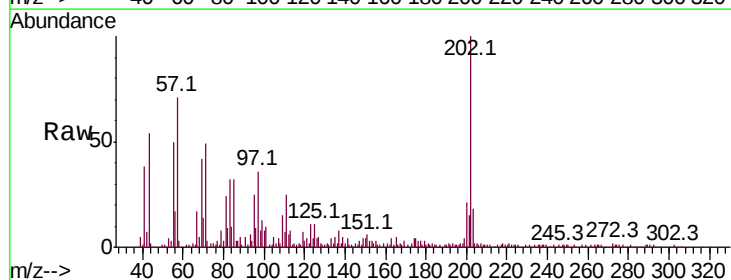
Tgt Ion:202 Resp: 168427

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.8

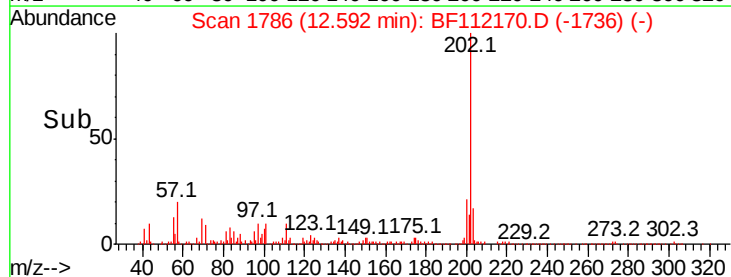
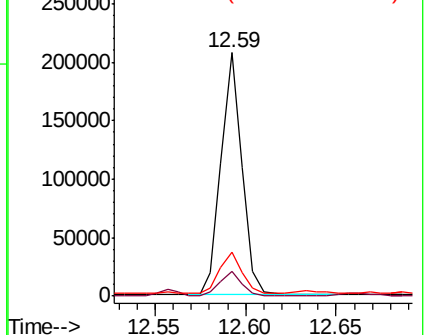
203 18.0 0.0 38.4

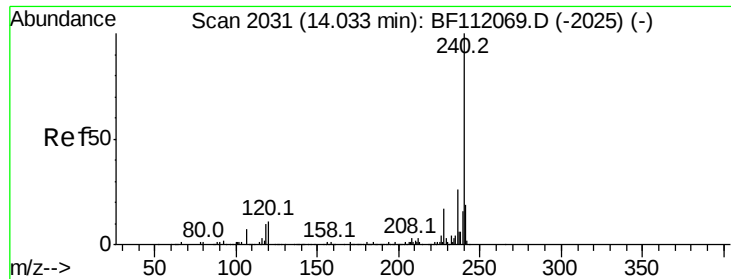


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

Instrument :

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23885-23703

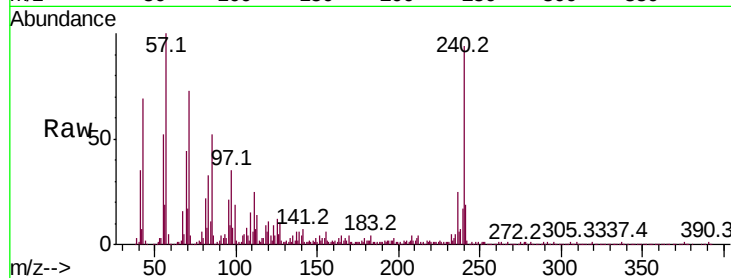
Tot Ion:240 Resp: 417065

Ion Ratio Lower Upper

240 100

120 12.1 9.0 13.6

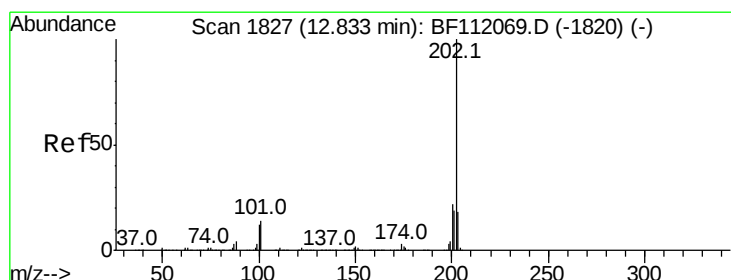
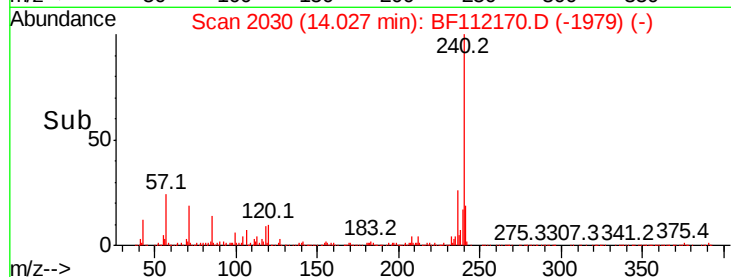
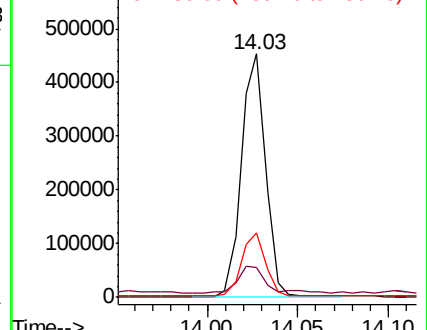
236 26.4 20.7 31.1



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



#78

Pyrene

Concen: 4.719 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

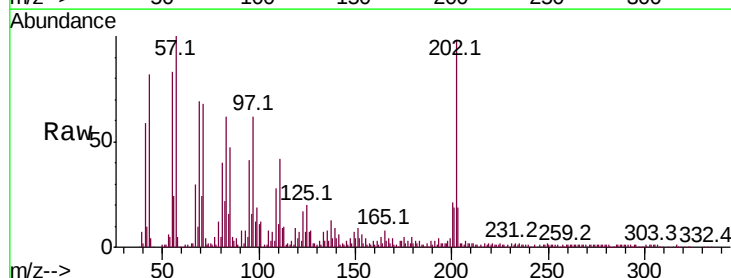
Tgt Ion:202 Resp: 129847

Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

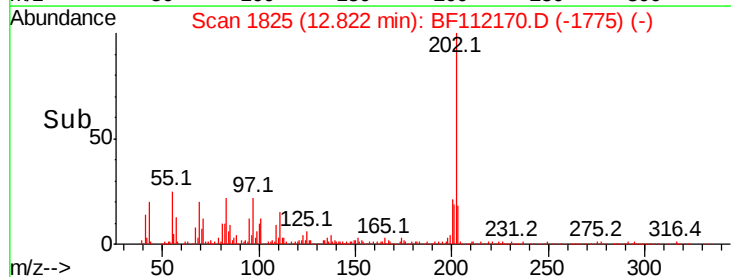
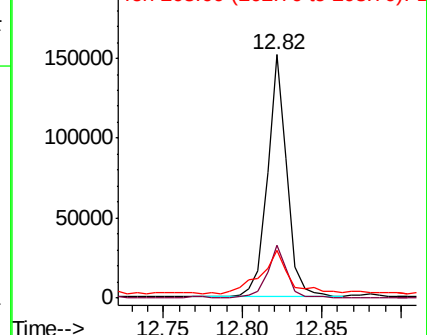
203 19.9 14.6 22.0

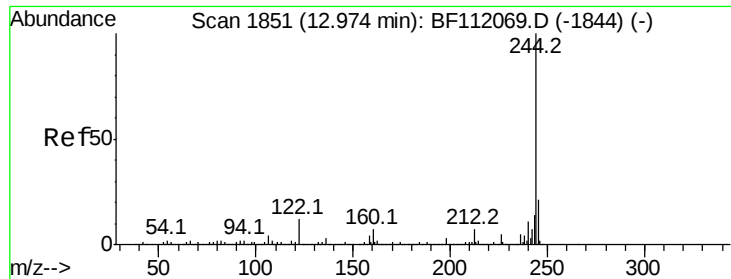


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 6.621 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

Instrument :

BNA_F

ClientSampleId :

23885-23703

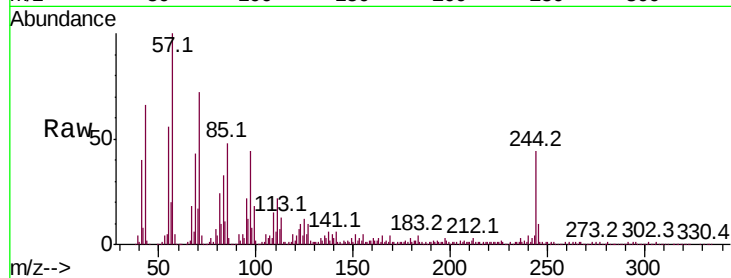
Tot Ion:244 Resp: 129797

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

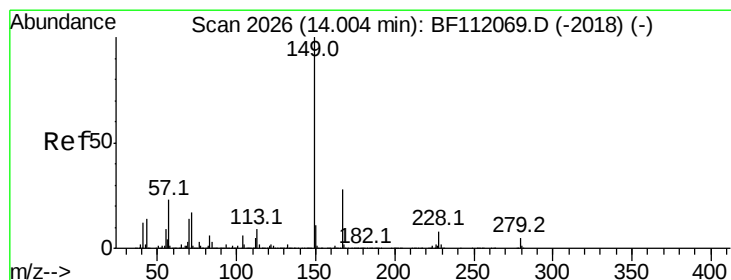
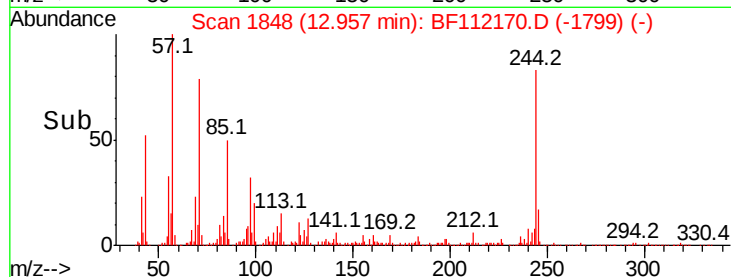
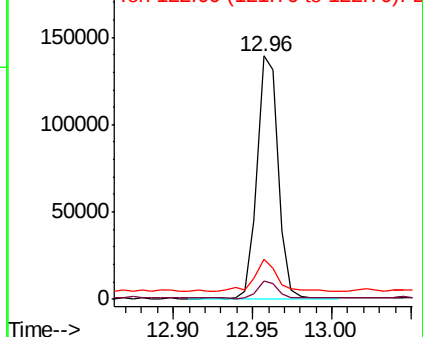
122 16.4 9.8 14.6#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 14.500 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

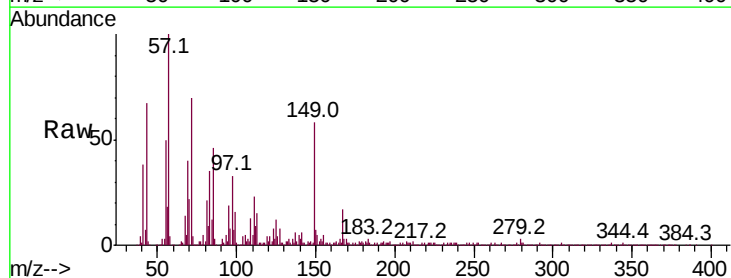
Tgt Ion:149 Resp: 250866

Ion Ratio Lower Upper

149 100

167 29.3 22.5 33.7

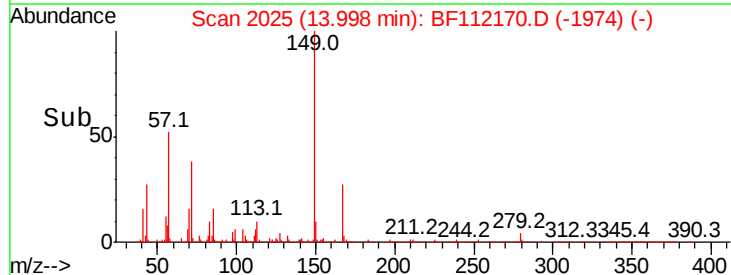
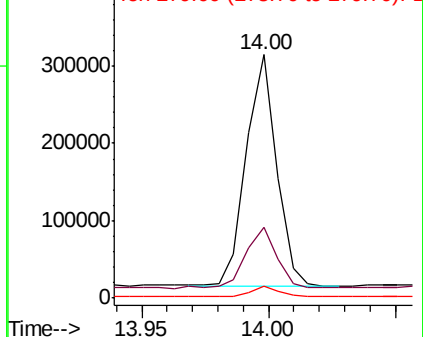
279 4.8 3.8 5.6

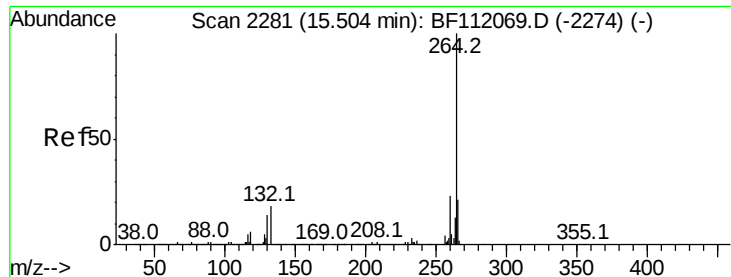


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

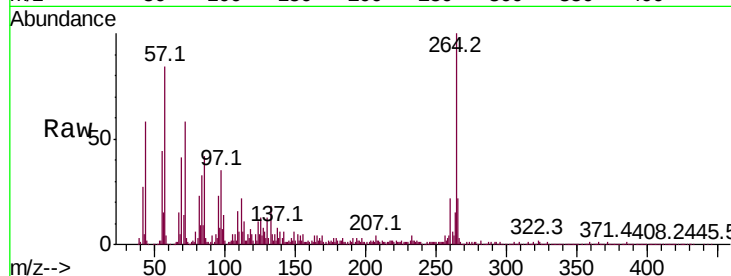




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

Instrument :
BNA_F
ClientSampleId :
23885-23703

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.2	27.2
265	21.6	17.0	25.4



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

