

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112159.D
 Acq On : 21 Jan 2019 15:28
 Operator : JU/SJ
 Sample : K1009-07 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-011819-D

Quant Time: Jan 21 16:26:06 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	6.85	152	267131	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	933249	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	369514	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	622595	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	583754	20.00	ng	0.00
87) Perylene-d12	15.49	264	440162	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	811904	55.17	ng	0.00
7) Phenol-d6	6.49	99	975981	53.00	ng	-0.01
23) Nitrobenzene-d5	7.41	82	570776	42.25	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	206825	51.88	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1004635	39.86	ng	0.00
79) Terphenyl-d14	12.96	244	892537	32.53	ng	-0.01

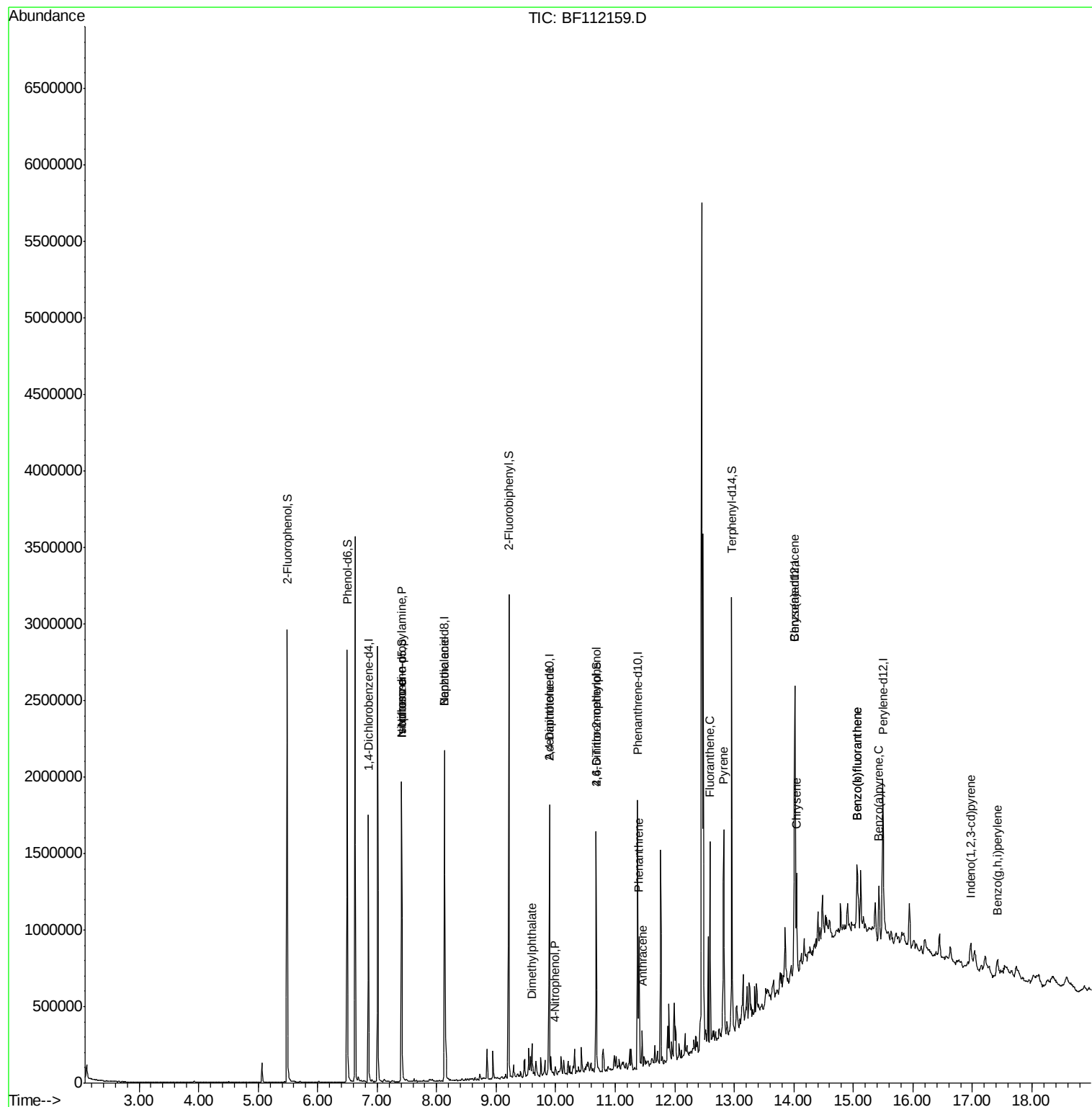
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	76511	6.820	ng	# 77
25) Isophorone	7.41	82	568172	21.777	ng	# 64
32) Benzoic acid	8.13	122	174	7.202	ng	# 1
50) Dimethylphthalate	9.60	163	65600	2.434	ng	98
56) 4-Nitrophenol	10.00	139	1264	5.928	ng	# 43
57) 2,4-Dinitrotoluene	9.89	165	51981	11.388	ng	# 32
65) 4,6-Dinitro-2-methylphenol	10.68	198	310	10.164	ng	# 1
71) Phenanthrene	11.40	178	298182	9.517	ng	97
72) Anthracene	11.45	178	88068	2.775	ng	99
75) Fluoranthene	12.59	202	496073	14.995	ng	98
78) Pyrene	12.82	202	534572	13.880	ng	98
81) Benzo(a)anthracene	14.01	228	261586	7.815	ng	97
83) Chrysene	14.05	228	254354	8.031	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	83579	2.860	ng	# 93
88) Benzo(b)fluoranthene	15.06	252	301671	12.074	ng	# 95
89) Benzo(k)fluoranthene	15.06	252	301671	12.475	ng	# 96
90) Benzo(a)pyrene	15.43	252	165783	7.235	ng	# 90
92) Benzo(g,h,i)perylene	17.42	276	82282	4.104	ng	96

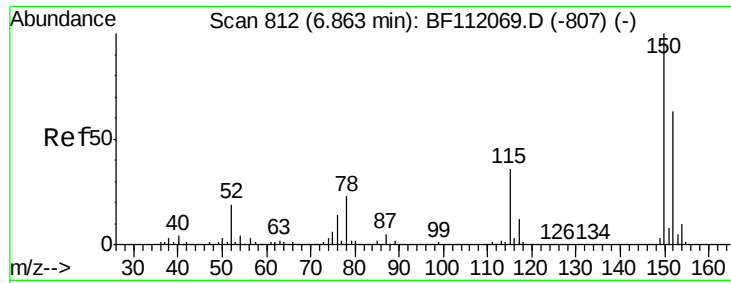
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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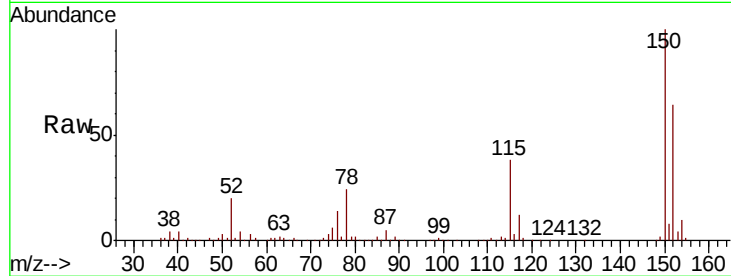


#1

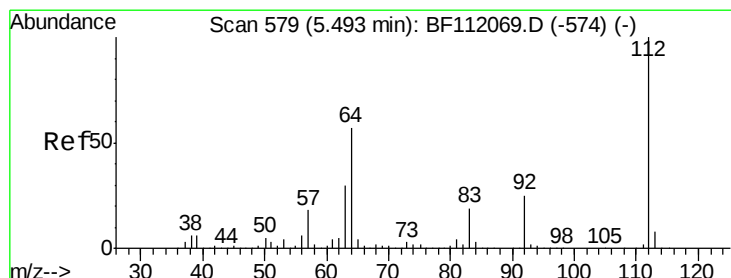
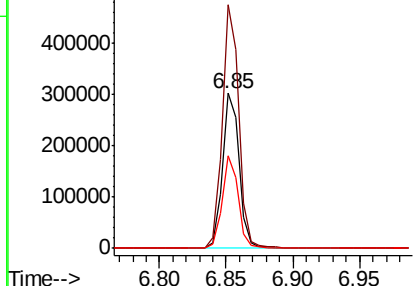
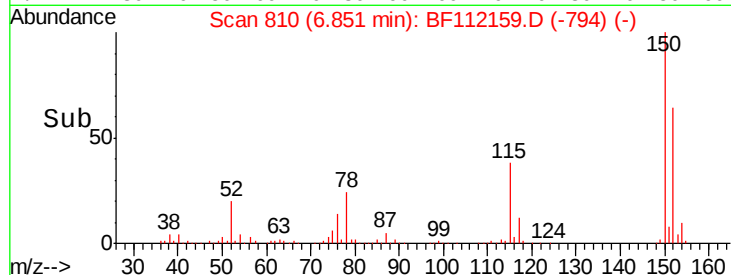
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Tot Ion:152 Resp: 267131
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.0
115 59.8 45.5 68.3



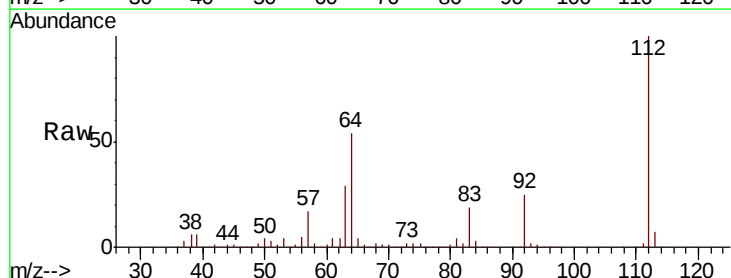
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



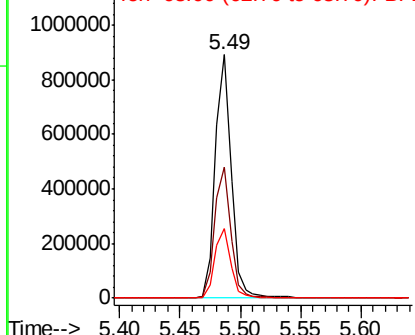
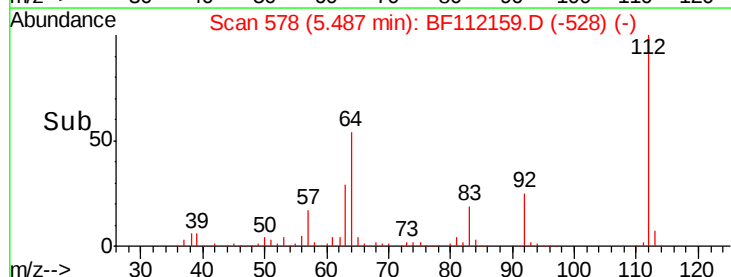
#5

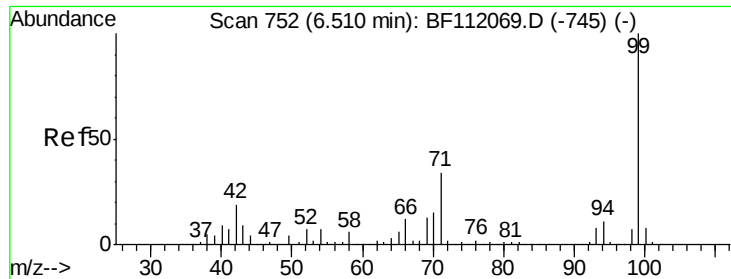
2-Fluorophenol
Concen: 55.165 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion:112 Resp: 811904
Ion Ratio Lower Upper
112 100
64 53.8 45.7 68.5
63 28.8 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: 53.002 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-D

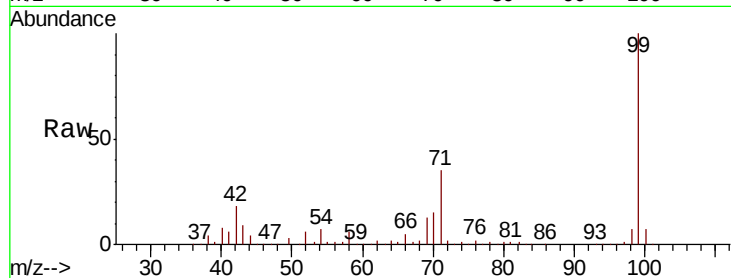
Tot Ion: 99 Resp: 975981

Ion Ratio Lower Upper

99 100

42 18.4 15.1 22.7

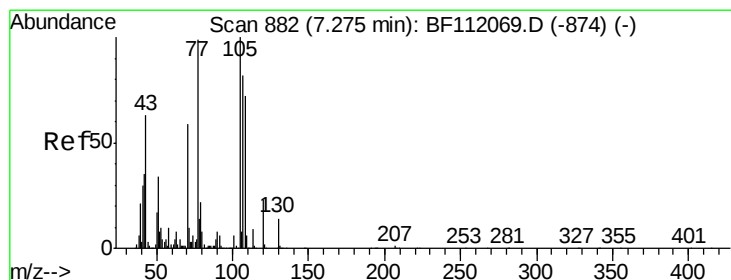
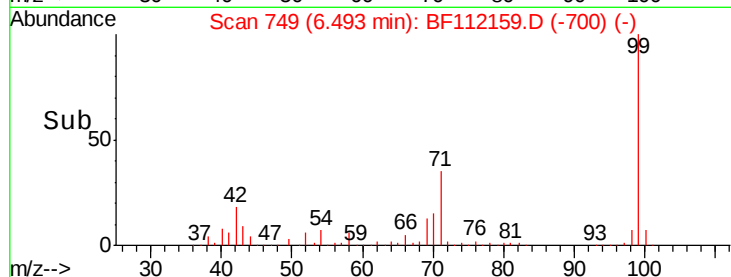
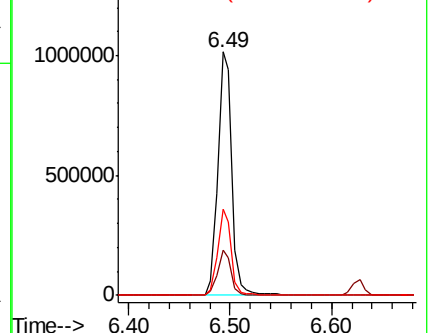
71 35.2 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.820 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

Tgt Ion: 70 Resp: 76511

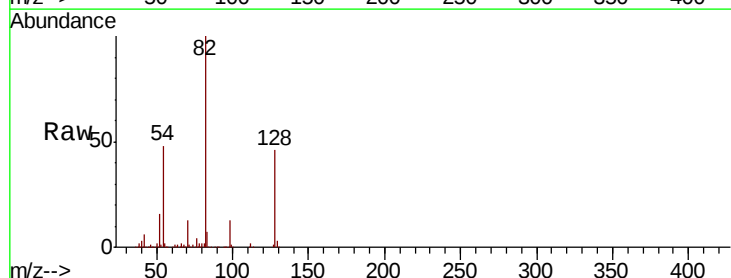
Ion Ratio Lower Upper

70 100

42 48.1 47.6 71.4

101 0.0 7.9 11.9#

130 2.6 18.4 27.6#

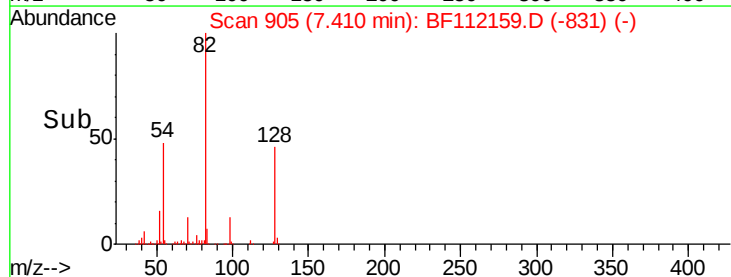
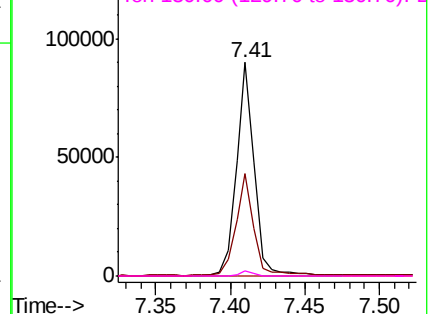


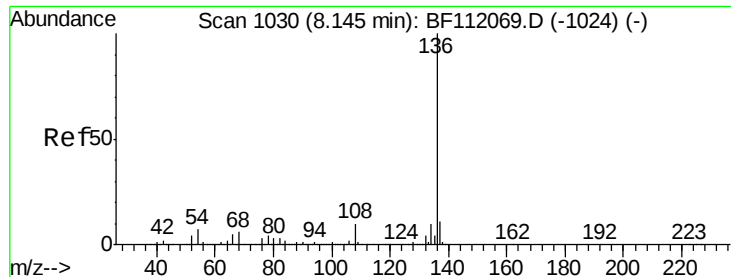
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-D

Tot Ion:136 Resp: 933249

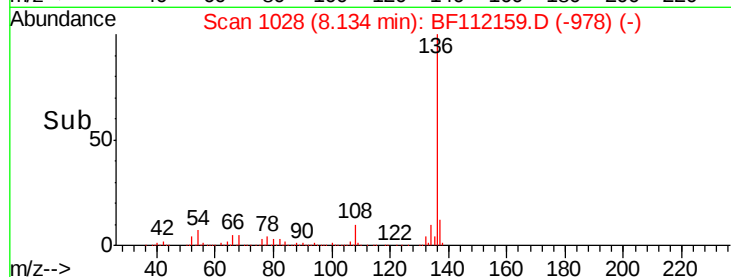
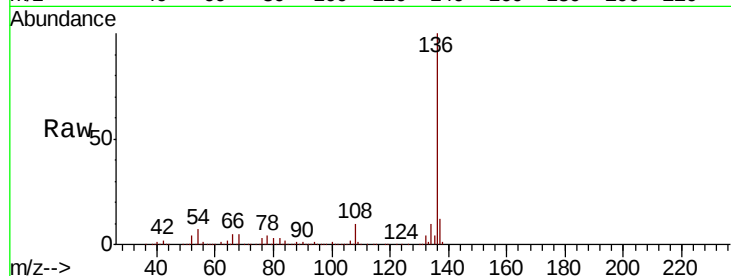
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 6.6 5.9 8.9

68 5.4 5.1 7.7

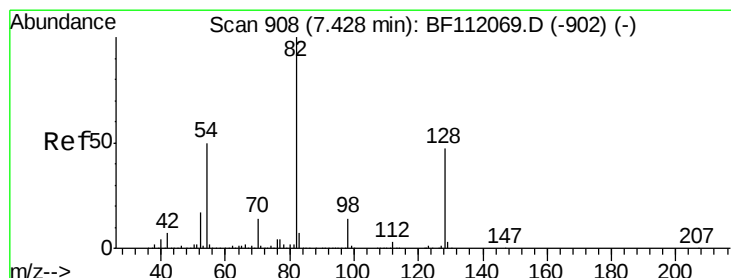
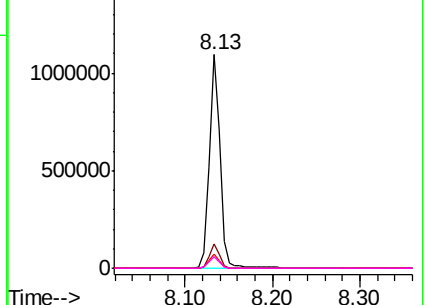


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.255 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

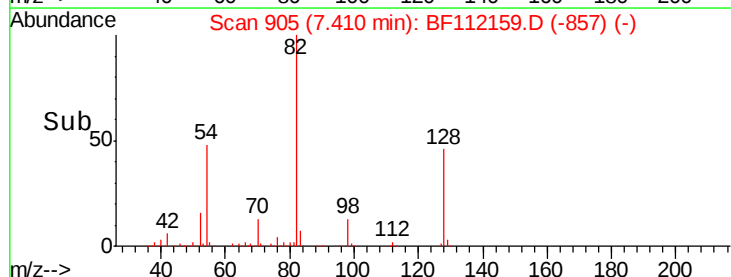
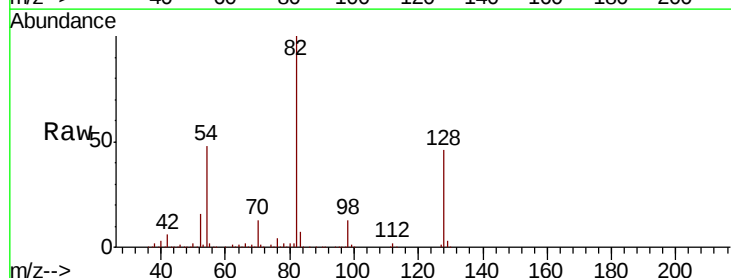
Tgt Ion: 82 Resp: 570776

Ion Ratio Lower Upper

82 100

128 46.3 37.8 56.8

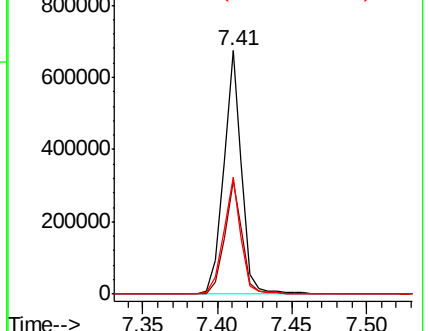
54 47.9 39.7 59.5

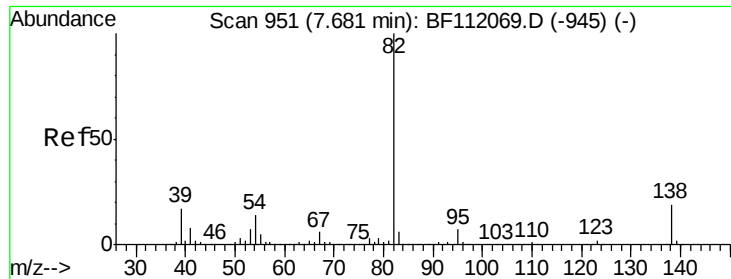


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

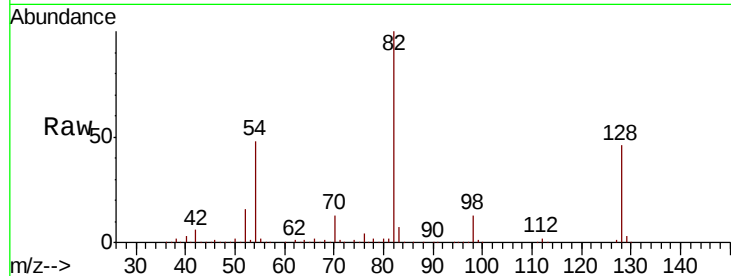




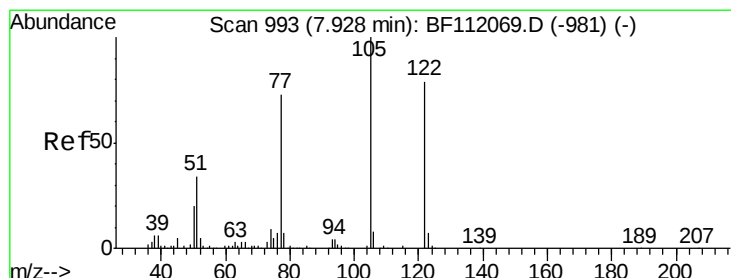
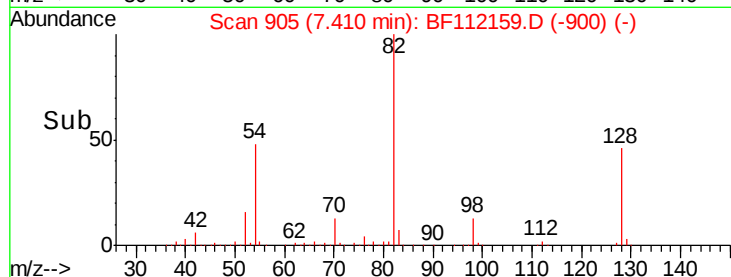
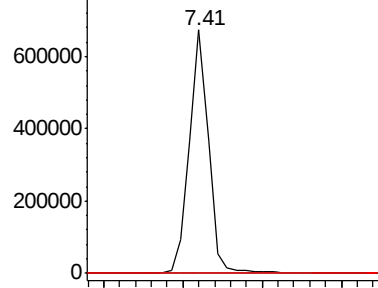
#25
Isophorone
Concen: 21.777 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.27 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Tot Ion: 82 Resp: 568172
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 15.4 23.0#

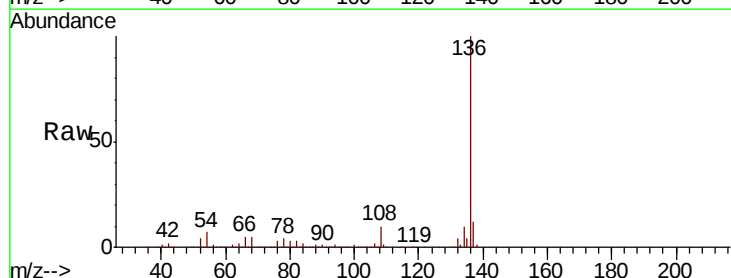


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

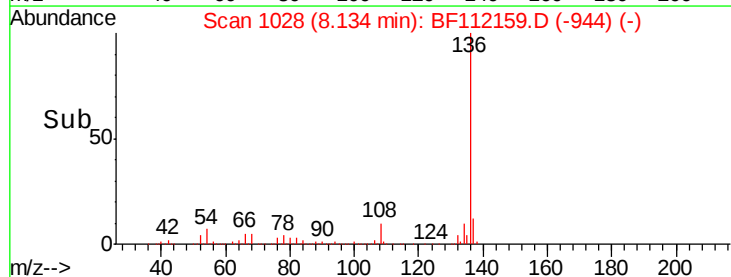
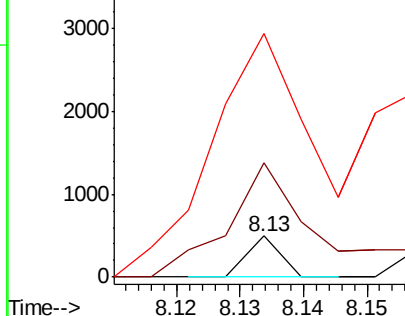


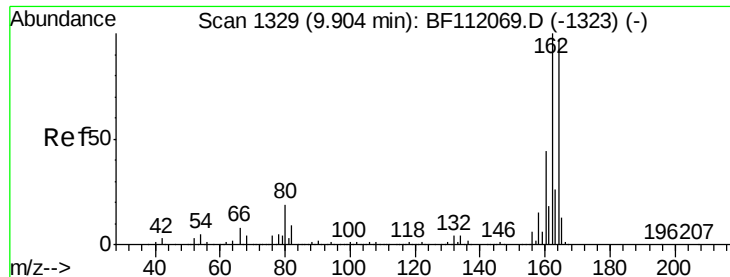
#32
Benzoic acid
Concen: 7.202 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.19 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion:122 Resp: 174
Ion Ratio Lower Upper
122 100
105 279.4 101.2 141.2#
77 595.7 70.4 110.4#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-D

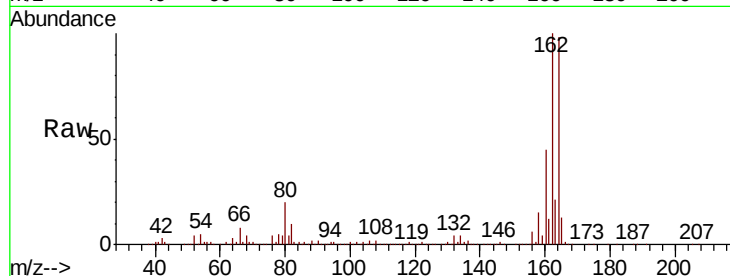
Tot Ion:164 Resp: 369514

Ion Ratio Lower Upper

164 100

162 101.9 82.2 123.4

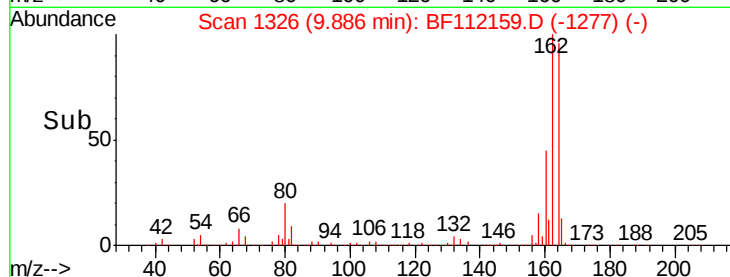
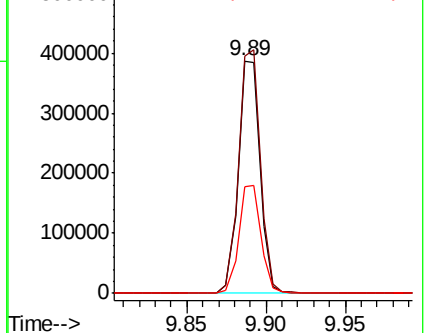
160 45.8 36.2 54.4



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: 51.885 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

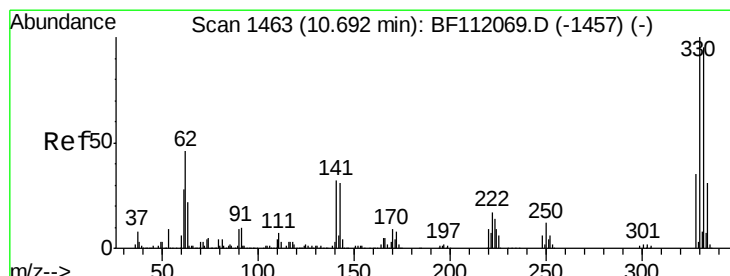
Tgt Ion:330 Resp: 206825

Ion Ratio Lower Upper

330 100

332 93.4 76.6 114.8

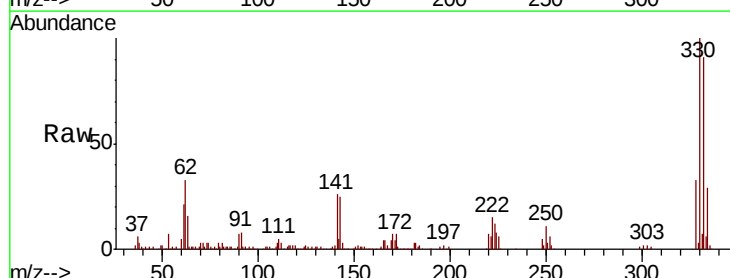
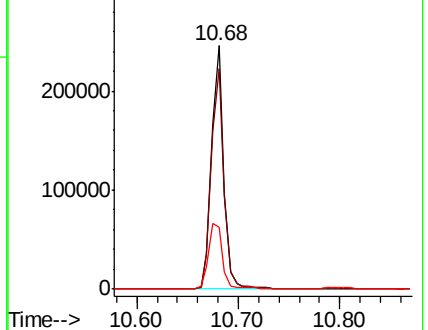
141 30.7 24.3 36.5

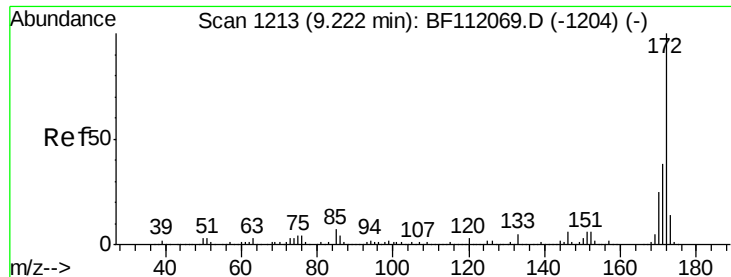


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

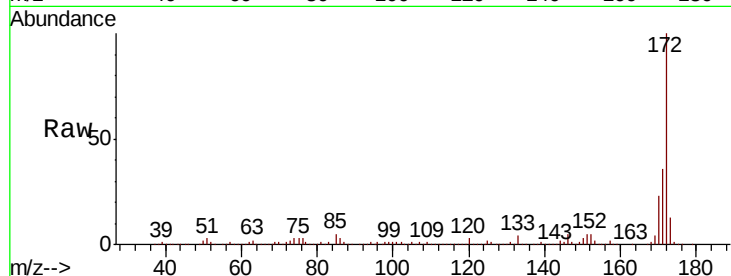




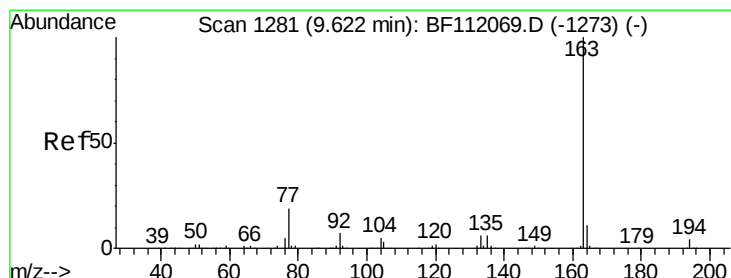
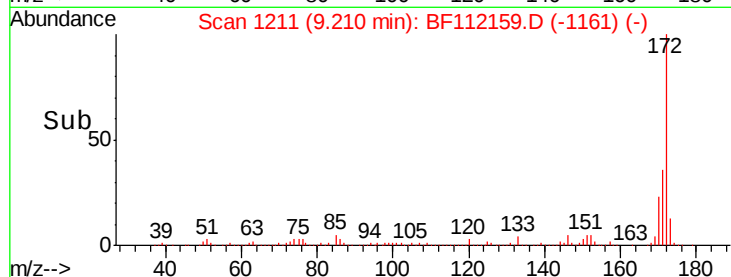
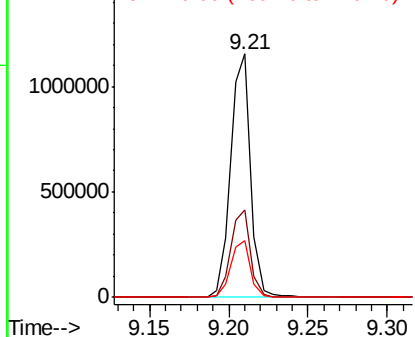
#45
2-Fluorobiphenyl
Concen: 39.861 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Tot Ion:172 Resp: 1004635
Ion Ratio Lower Upper
172 100
171 35.7 30.5 45.7
170 23.5 20.2 30.4

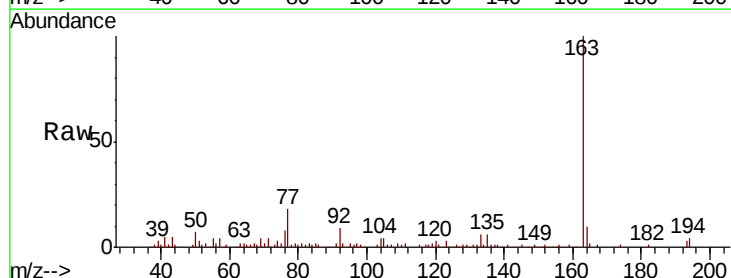


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

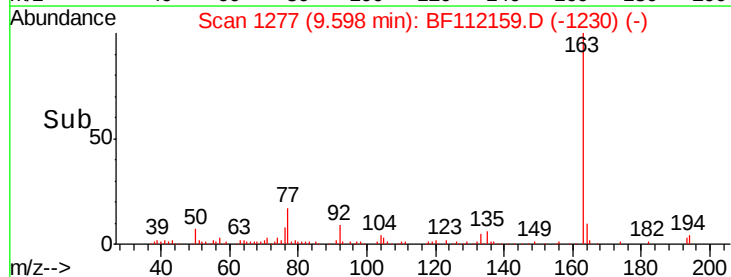
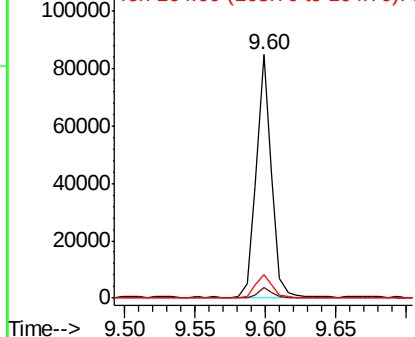


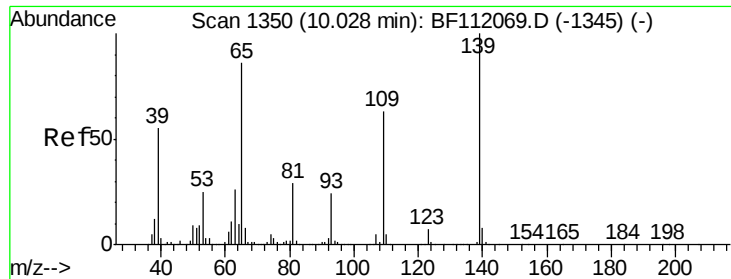
#50
Dimethylphthalate
Concen: 2.434 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion:163 Resp: 65600
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 9.8 8.5 12.7



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

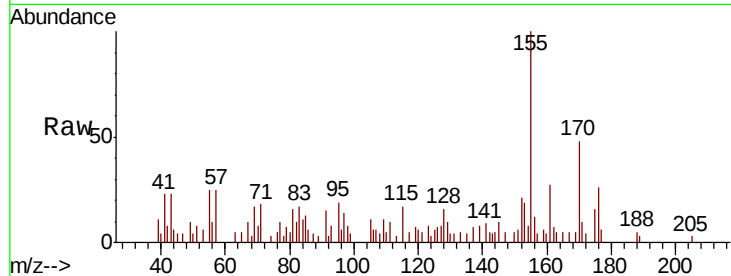




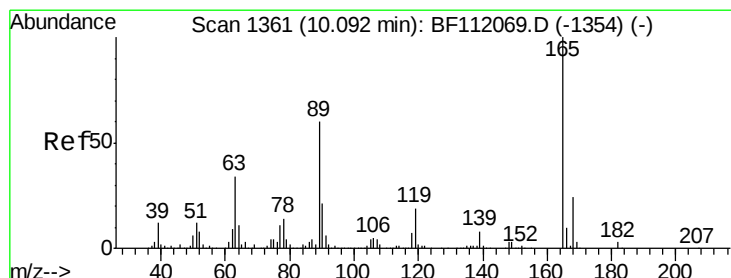
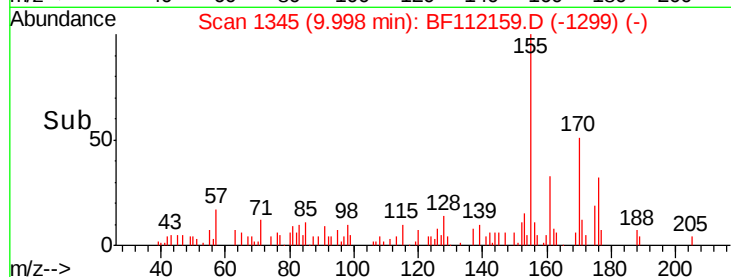
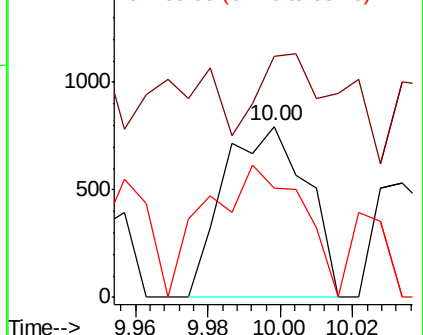
#56
4-Nitrophenol
Concen: 5.928 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.03 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Tot Ion:139 Resp: 1264
Ion Ratio Lower Upper
139 100
109 141.6 42.8 82.8#
65 64.2 66.1 106.1#

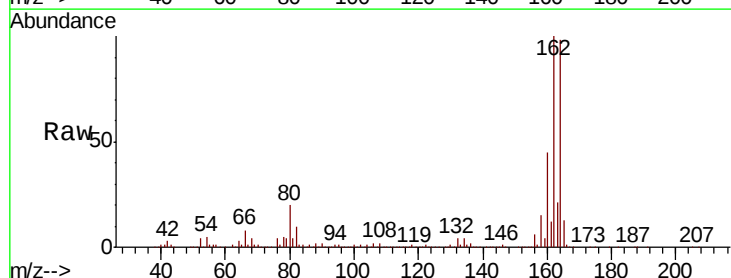


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

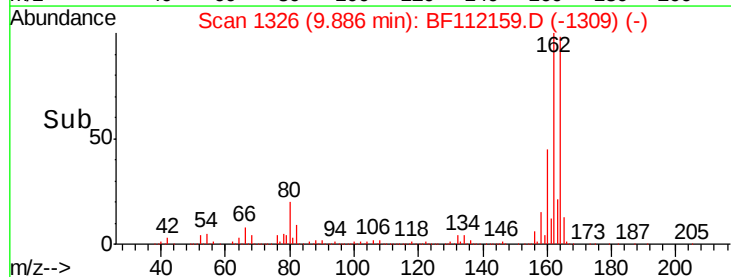
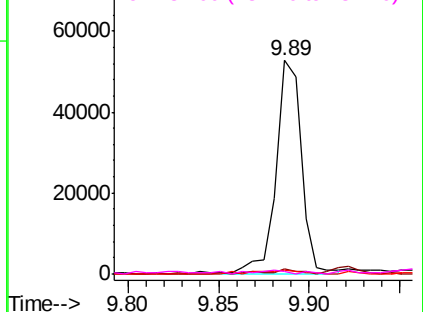


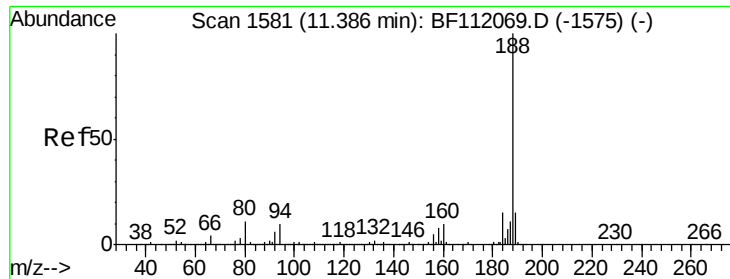
#57
2,4-Dinitrotoluene
Concen: 11.388 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion:165 Resp: 51981
Ion Ratio Lower Upper
165 100
63 2.2 27.9 41.9#
89 1.5 47.9 71.9#
182 1.2 2.2 3.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-D

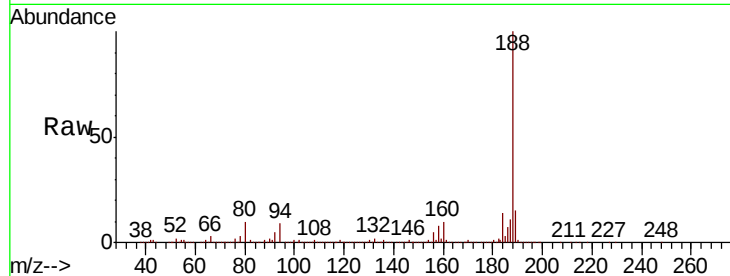
Tot Ion:188 Resp: 622595

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

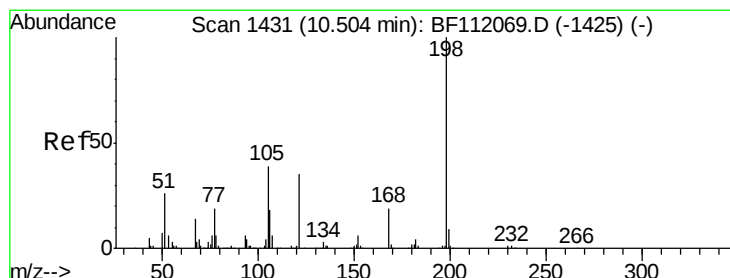
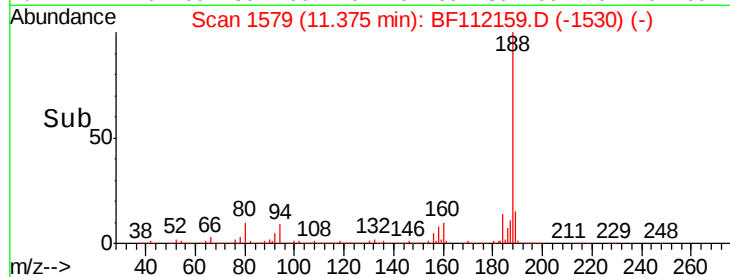
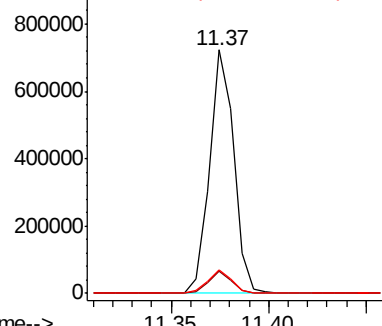
80 9.7 8.9 13.3



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



#65

4,6-Dinitro-2-methylphenol

Concen: 10.164 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.18 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

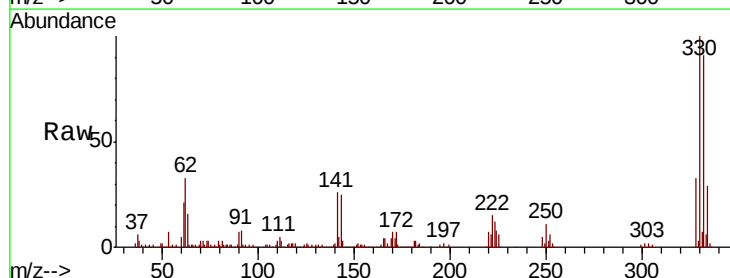
Tgt Ion:198 Resp: 310

Ion Ratio Lower Upper

198 100

51 249.3 17.2 57.2#

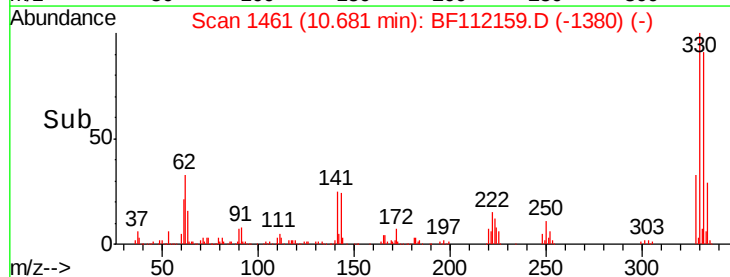
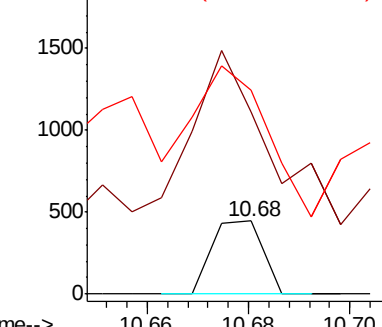
105 279.4 21.9 61.9#

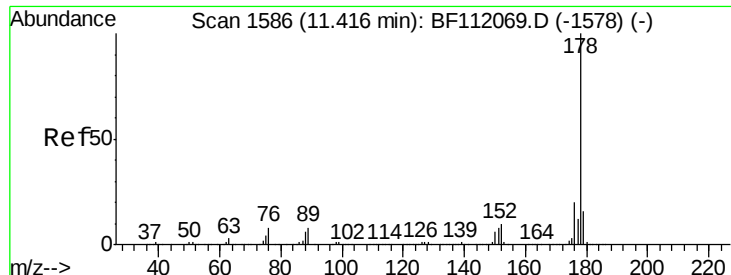


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

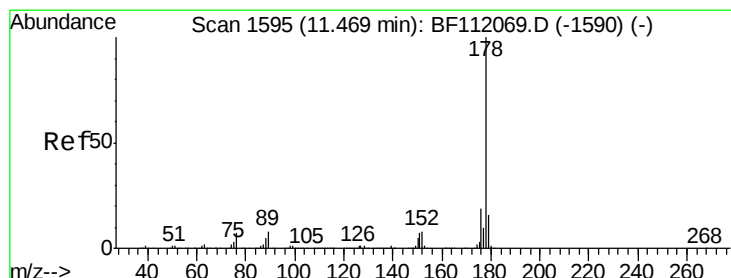
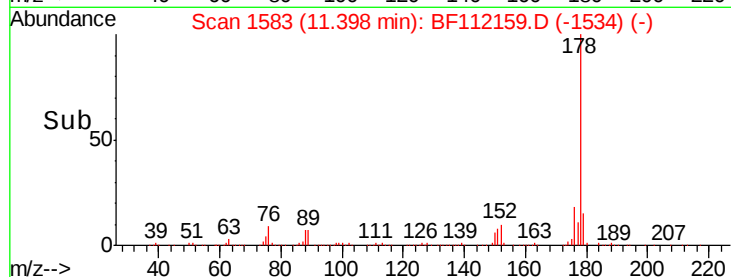
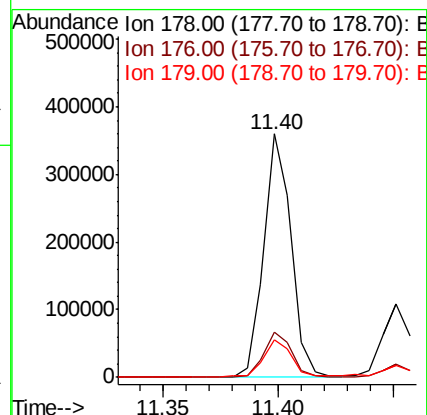
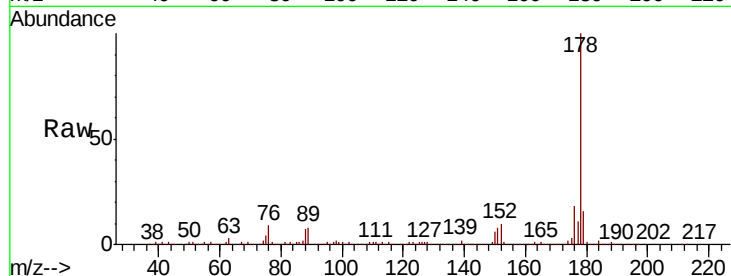




#71
Phenanthrene
Concen: 9.517 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

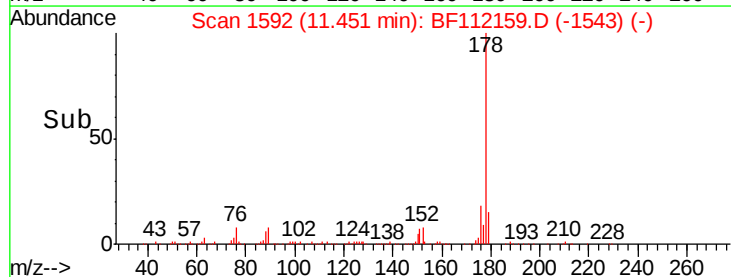
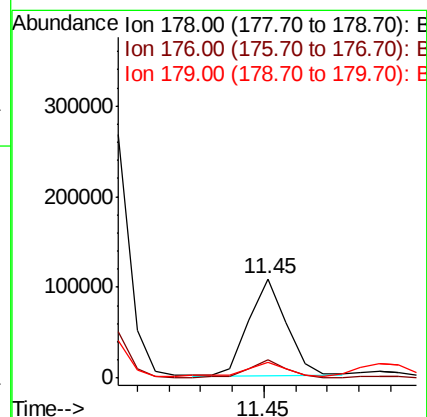
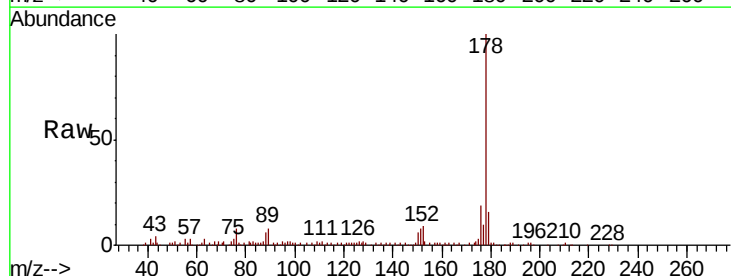
Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

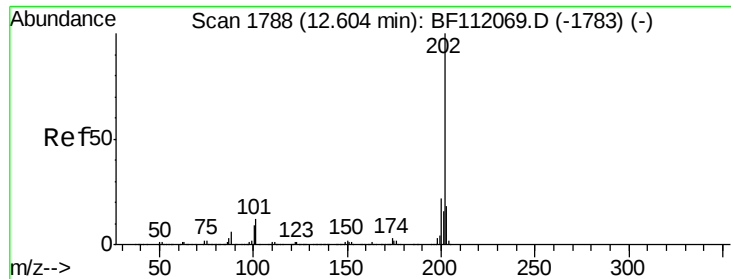
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.3	24.5
179	15.6	13.0	19.4



#72
Anthracene
Concen: 2.775 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	16.1	12.8	19.2





#75

Fluoranthene

Concen: 14.995 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-D

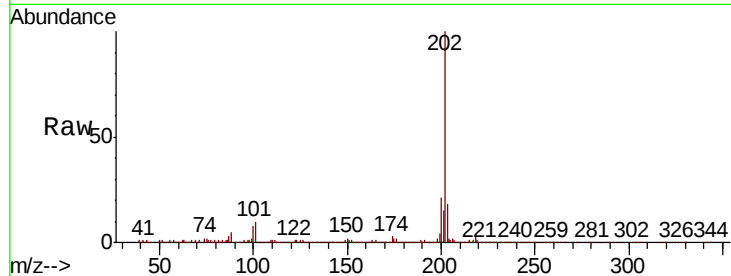
Tot Ion:202 Resp: 496073

Ion Ratio Lower Upper

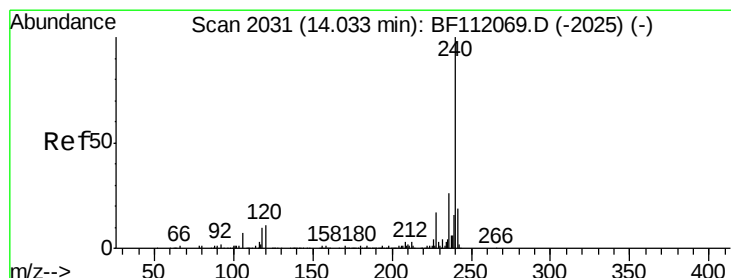
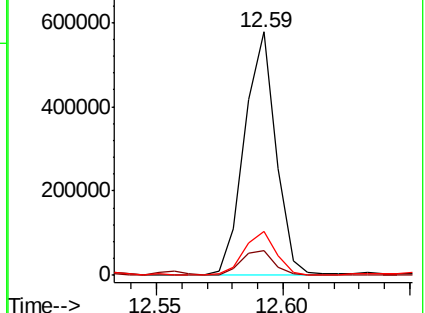
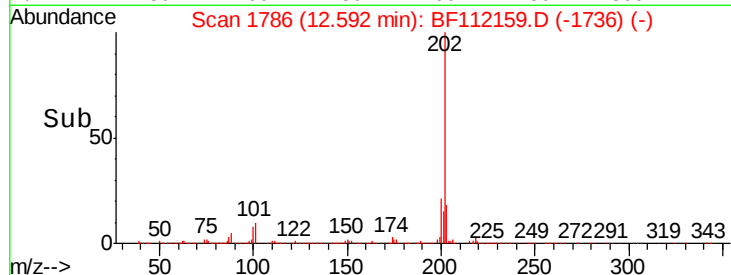
202 100

101 10.4 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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

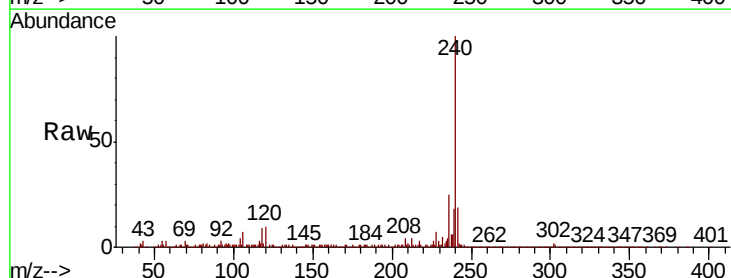
Tgt Ion:240 Resp: 583754

Ion Ratio Lower Upper

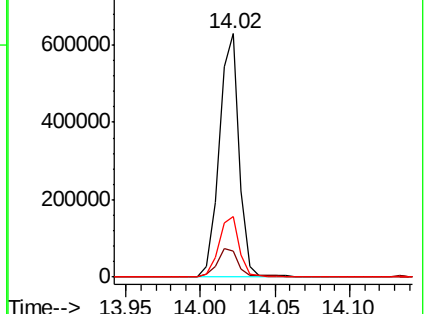
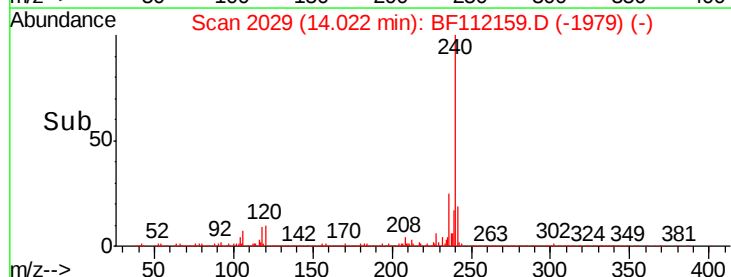
240 100

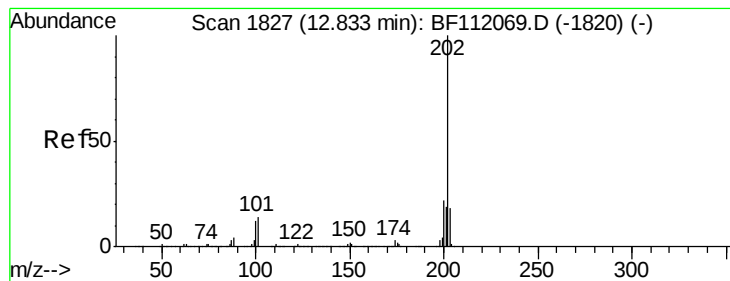
120 10.5 9.0 13.6

236 25.1 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





#78

Pvrene

Concen: 13.880 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-D

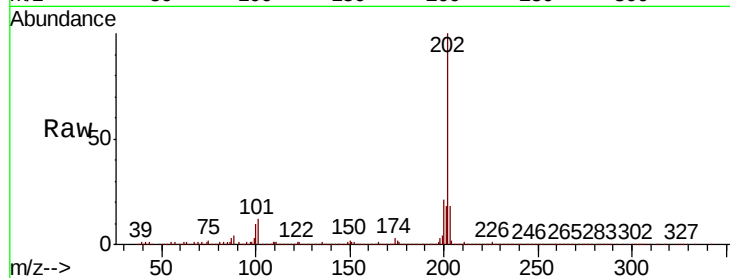
Tot Ion:202 Resp: 534572

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

203 18.0 14.6 22.0

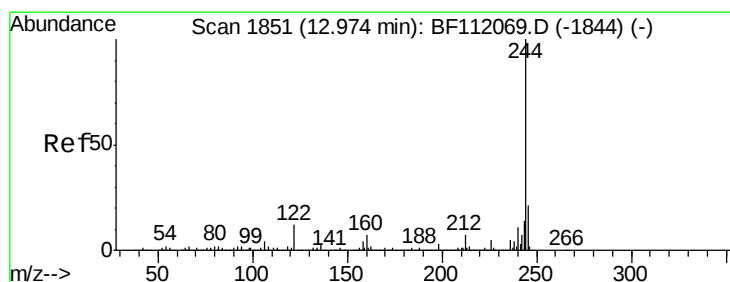
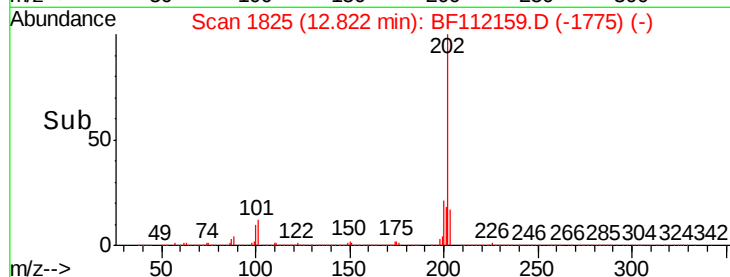
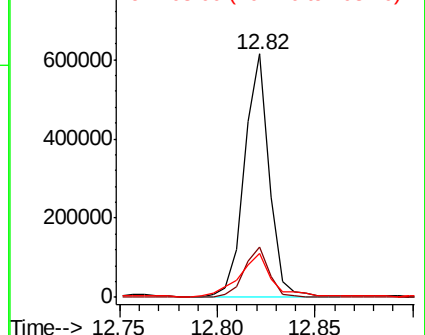


Abundance

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: 32.527 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

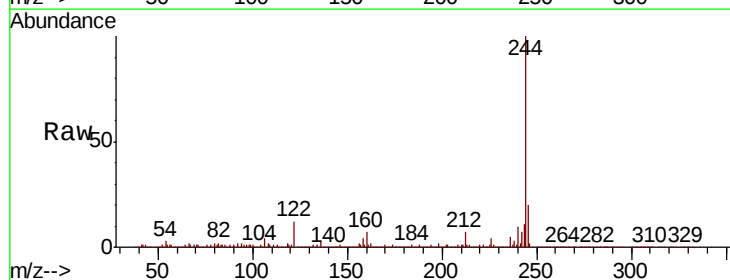
Tgt Ion:244 Resp: 892537

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 11.9 9.8 14.6

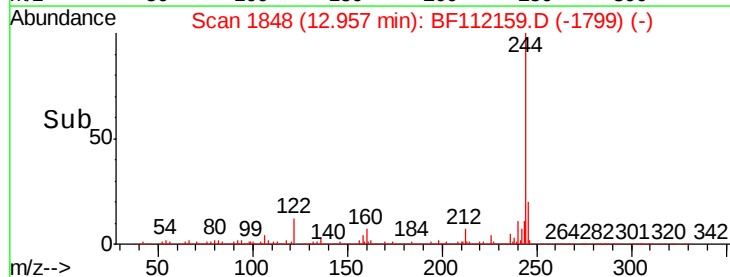
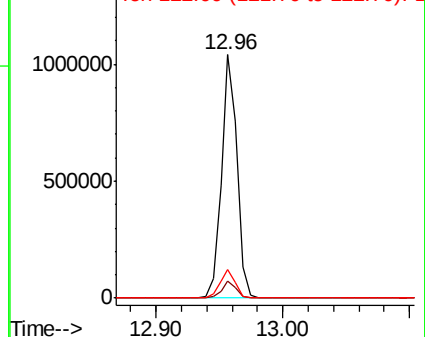


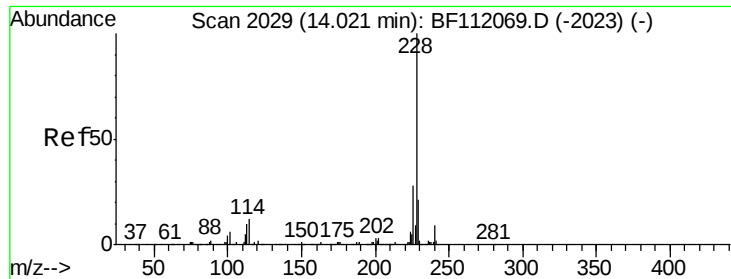
Abundance

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





#81

Benzo(a)anthracene

Concen: 7.815 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-D

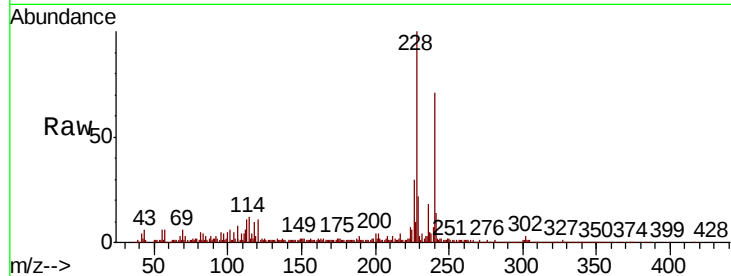
Tot Ion:228 Resp: 261586

Ion Ratio Lower Upper

228 100

226 30.1 22.6 34.0

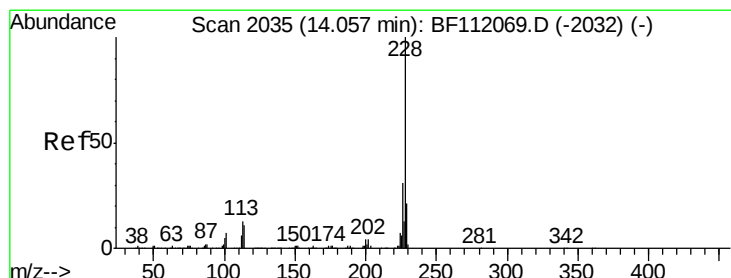
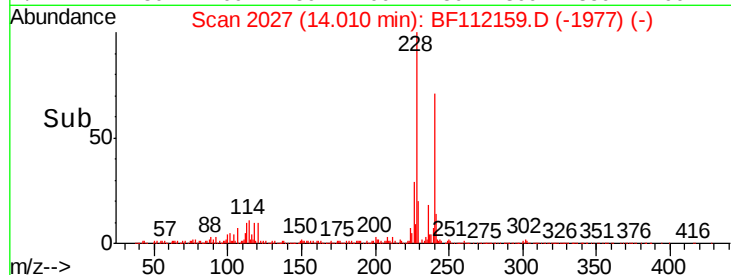
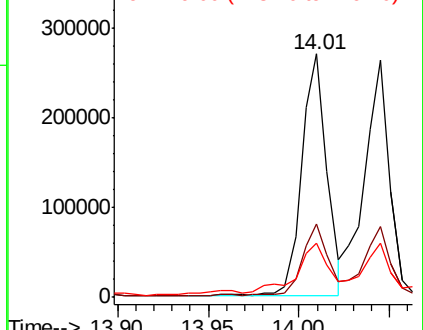
229 22.1 16.5 24.7



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

Chrysene

Concen: 8.031 ng

RT: 14.05 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

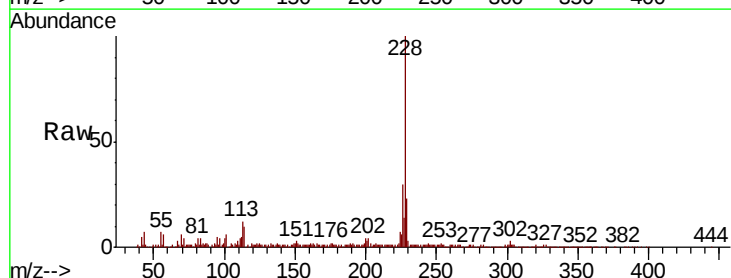
Tgt Ion:228 Resp: 254354

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

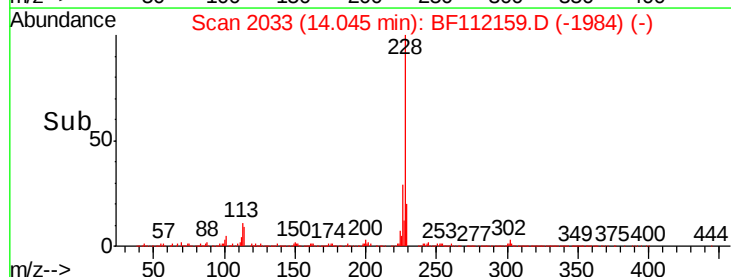
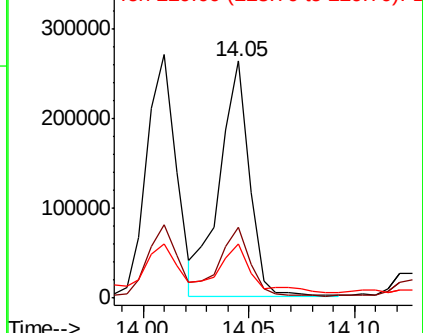
229 22.9 16.6 24.8

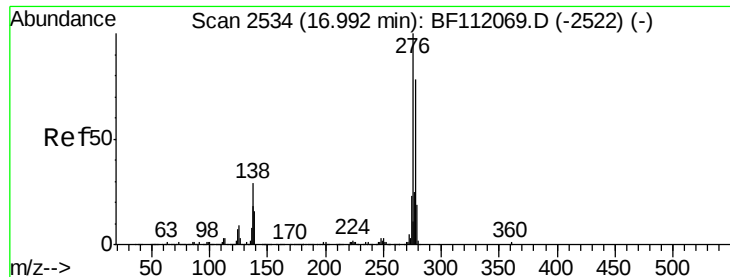


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.860 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

Instrument :

BNA_F

ClientSampleId :

CL-01-011819-D

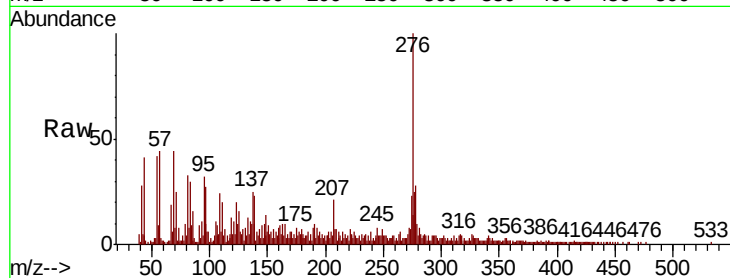
Tot Ion:276 Resp: 83579

Ion Ratio Lower Upper

276 100

138 22.4 22.6 34.0#

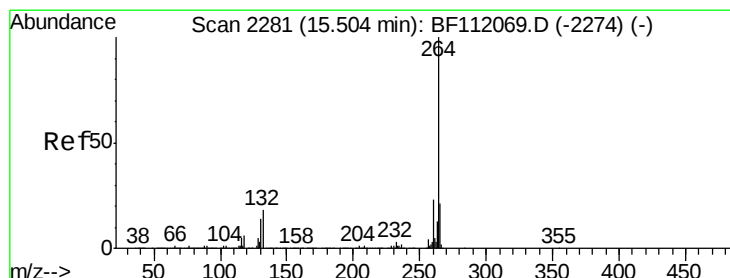
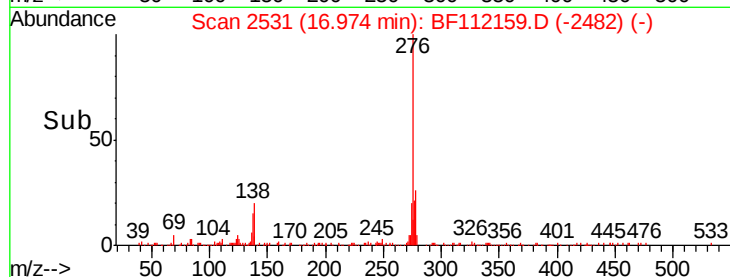
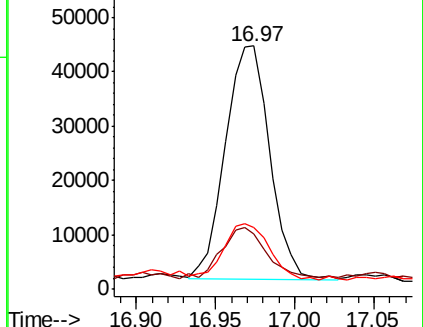
277 24.8 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF112159.D

Acq: 21 Jan 2019 15:28

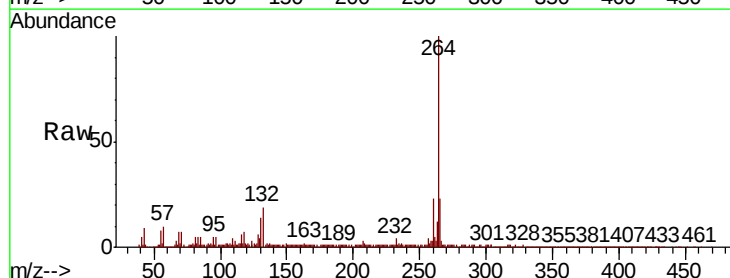
Tgt Ion:264 Resp: 440162

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.2

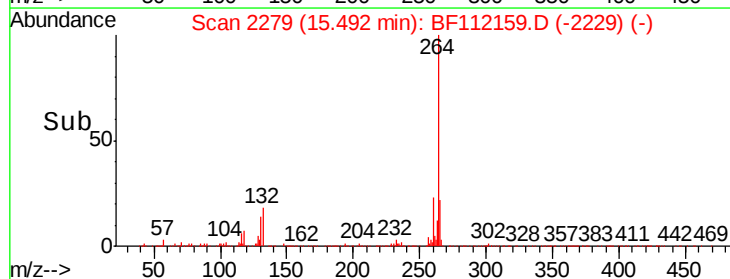
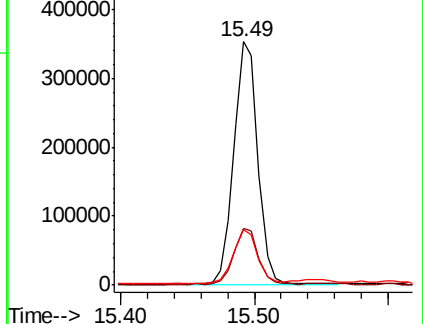
265 22.7 17.0 25.4

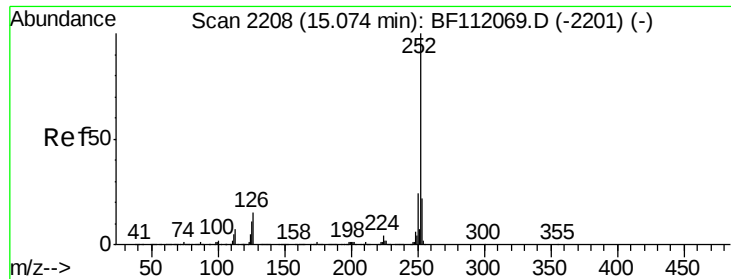


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

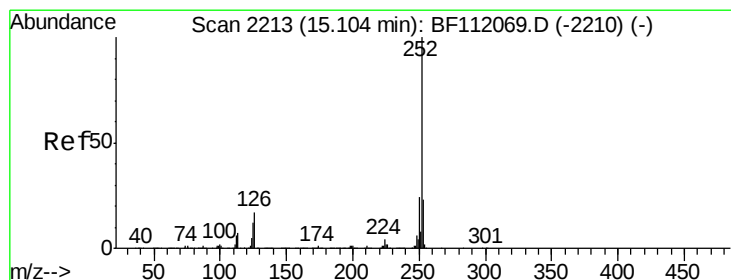
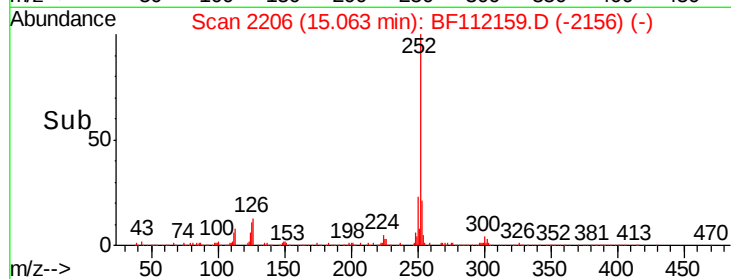
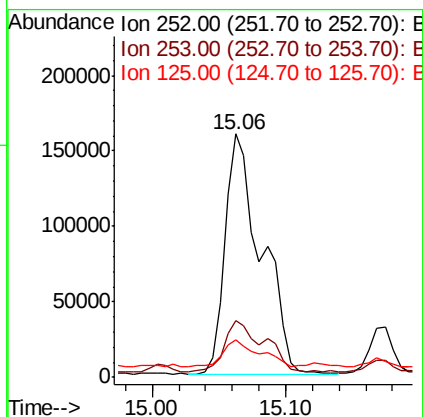
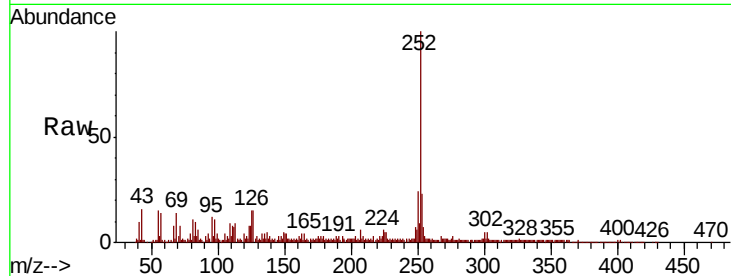




#88
Benzo(b)fluoranthene
Concen: 12.074 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

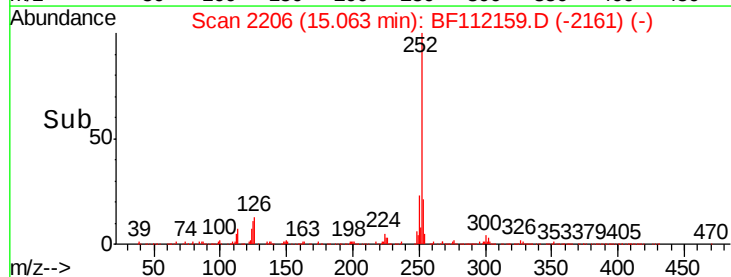
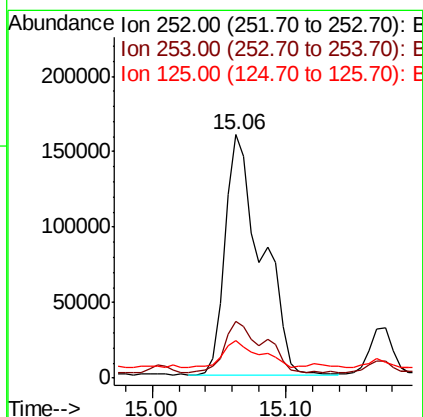
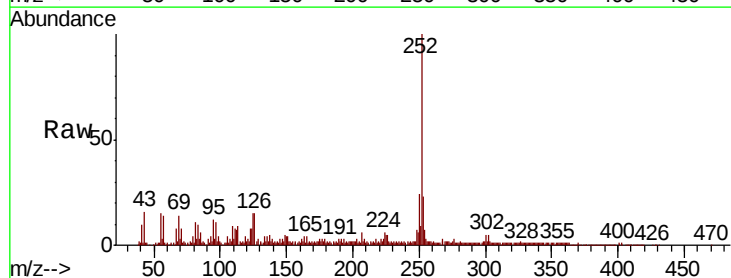
Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

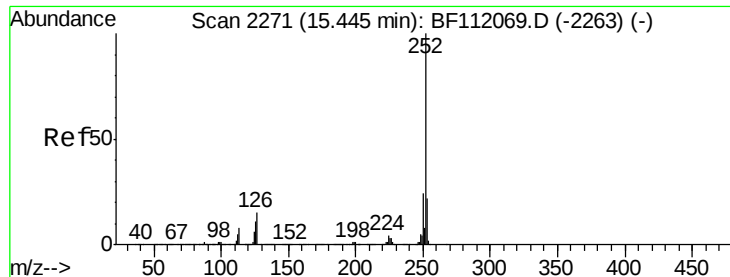
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	15.2	8.7	13.1



#89
Benzo(k)fluoranthene
Concen: 12.475 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	15.2	9.1	13.7

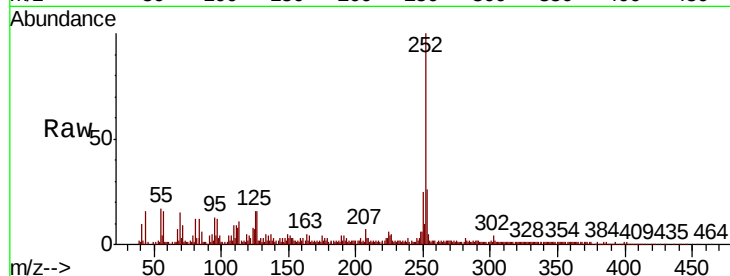




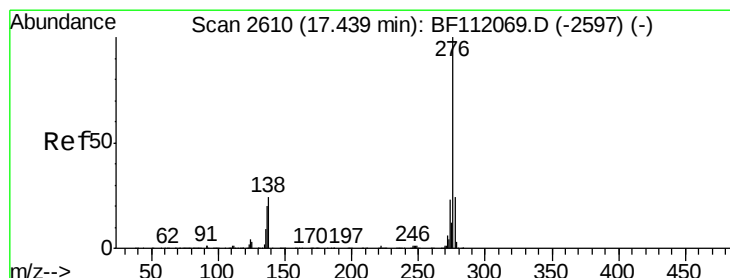
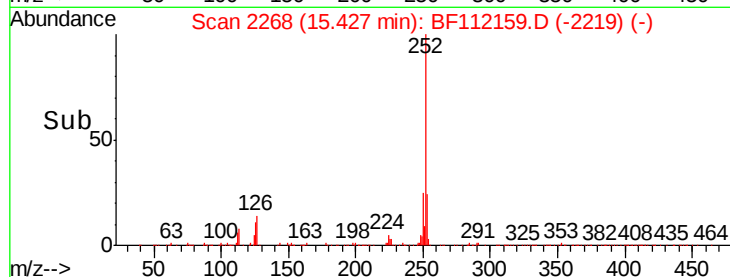
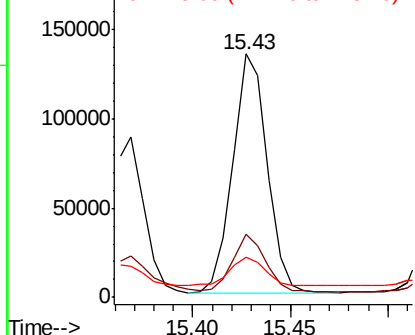
#90
Benzo(a)pyrene
Concen: 7.235 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Instrument :
BNA_F
ClientSampleId :
CL-01-011819-D

Tot Ion:252 Resp: 165783
Ion Ratio Lower Upper
252 100
253 25.9 17.5 26.3
125 16.2 9.0 13.4#

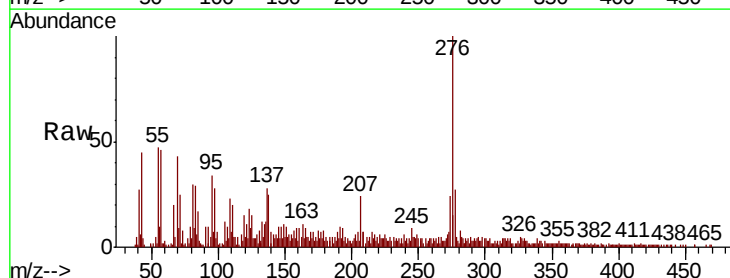


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.104 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.01 min
Lab File: BF112159.D
Acq: 21 Jan 2019 15:28

Tgt Ion:276 Resp: 82282
Ion Ratio Lower Upper
276 100
277 26.8 19.4 29.0
138 24.8 19.1 28.7



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

