

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117845.D
 Acq On : 18 Nov 2019 19:48
 Operator : JU
 Sample : K5865-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 23:56:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	237584	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	875935	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	409997	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	627961	20.00	ng	0.00
76) Chrysene-d12	14.11	240	514791	20.00	ng	0.00
87) Perylene-d12	15.62	264	561814	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	127649	9.51	ng	0.00
7) Phenol-d6	6.53	99	1040891	64.30	ng	-0.01
23) Nitrobenzene-d5	7.48	82	1029095	69.84	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	4200	0.97	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1883719	82.43	ng	0.00
79) Terphenyl-d14	13.05	244	1680910	59.68	ng	0.00

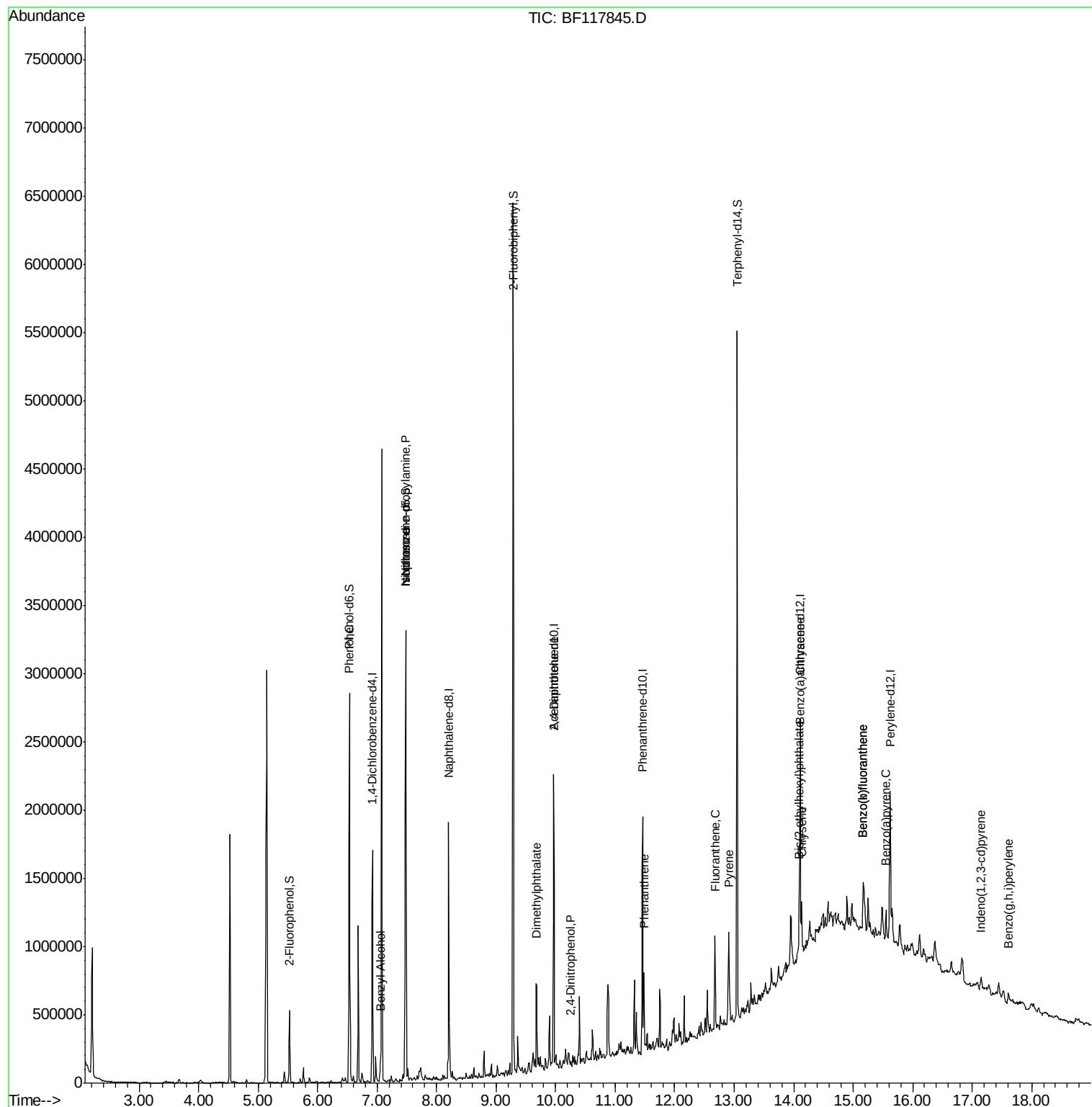
Target Compounds				Qvalue		
9) Benzaldehyde	6.47	77	8074	Below Cal		94
10) Phenol	6.55	94	113395	6.741 ng		97
15) Benzyl Alcohol	7.05	79	30710	2.457 ng		98
19) n-Nitroso-di-n-propylamine	7.48	70	144868	14.505 ng	#	76
25) Isophorone	7.48	82	1025392	37.968 ng	#	62
50) Dimethylphthalate	9.67	163	234116	8.143 ng		100
54) 2,4-Dinitrophenol	10.26	184	343	7.321 ng	#	23
57) 2,4-Dinitrotoluene	9.97	165	55726	6.972 ng	#	25
71) Phenanthrene	11.49	178	209531	6.637 ng		96
75) Fluoranthene	12.68	202	283810	2.818 ng		97
78) Pyrene	12.91	202	275978	6.634 ng		99
81) Benzo(a)anthracene	14.10	228	152710	4.489 ng		96
83) Chrysene	14.13	228	138144	4.191 ng		98
84) Bis(2-ethylhexyl)phthalate	14.09	149	50861	2.348 ng		95
86) Indeno(1,2,3-cd)pyrene	17.15	276	63041	2.247 ng		95
88) Benzo(b)fluoranthene	15.17	252	252946	6.930 ng	#	88
89) Benzo(k)fluoranthene	15.17	252	252946	7.355 ng	#	87
90) Benzo(a)pyrene	15.56	252	121792	3.794 ng	#	91
92) Benzo(a,h,i)perylene	17.62	276	58602	2.130 ng		93

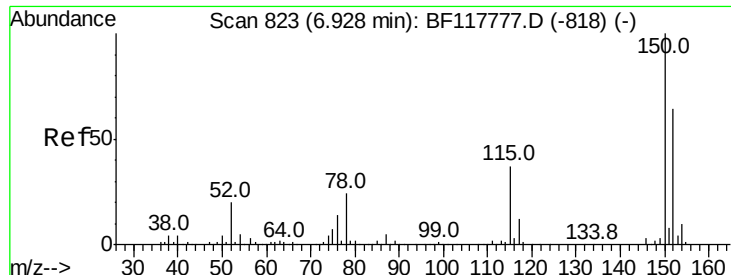
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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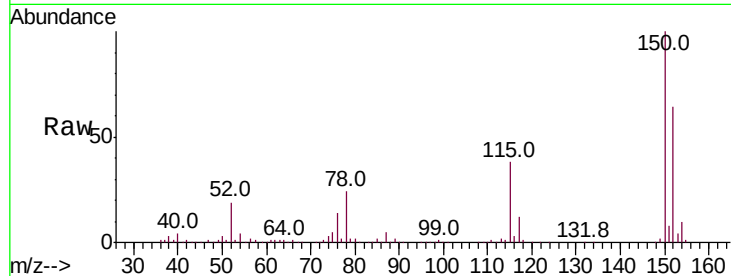


#1

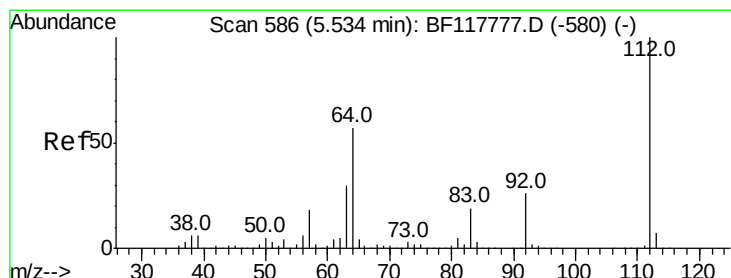
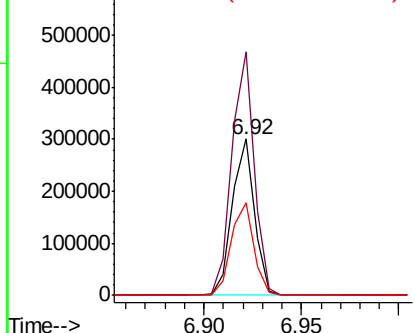
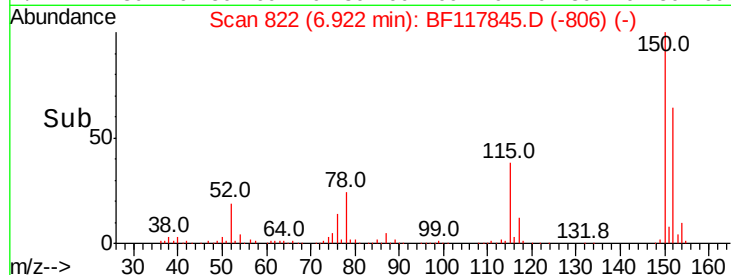
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 237584
Ion Ratio Lower Upper
152 100
150 155.8 125.3 187.9
115 59.3 47.0 70.4



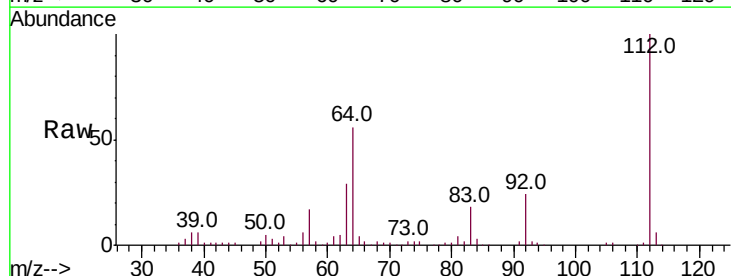
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



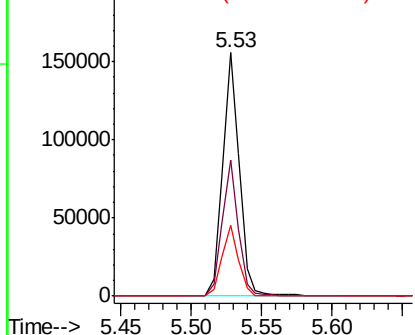
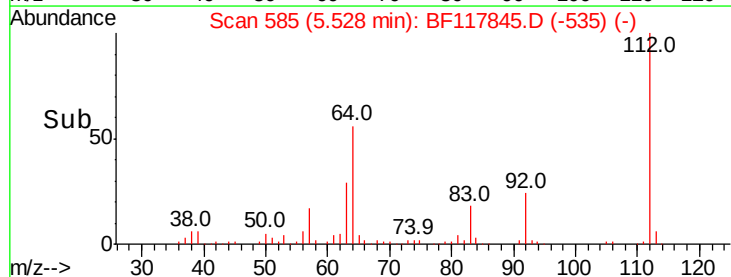
#5

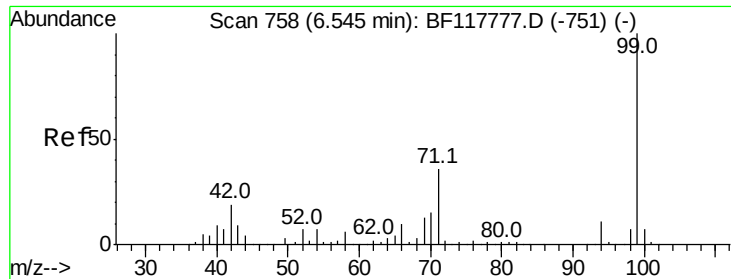
2-Fluorophenol
Concen: 9.510 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Tgt Ion:112 Resp: 127649
Ion Ratio Lower Upper
112 100
64 55.8 45.6 68.4
63 28.9 24.1 36.1



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: 64.296 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

ClientSampleId :

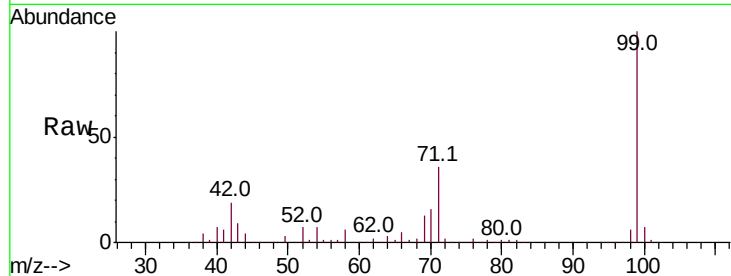
Tot Ion: 99 Resp: 1040891

Ion Ratio Lower Upper

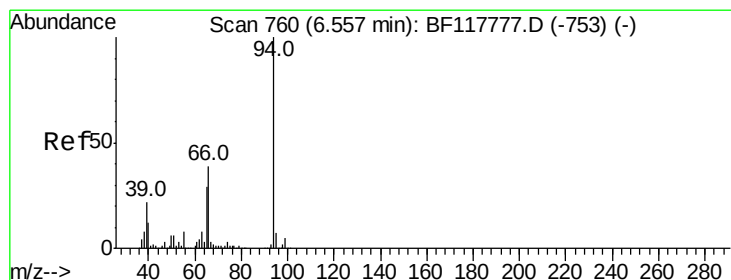
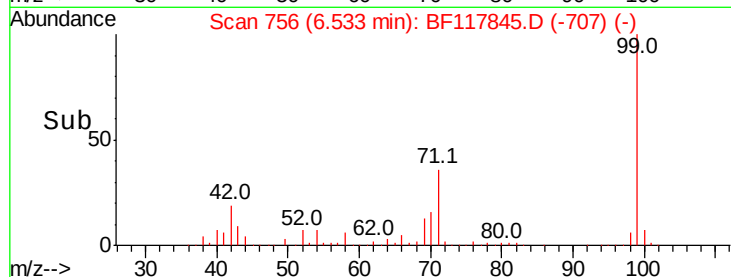
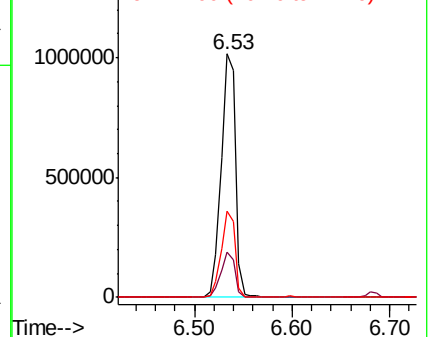
99 100

42 18.7 14.9 22.3

71 35.5 28.6 43.0



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



#10

Phenol

Concen: 6.741 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

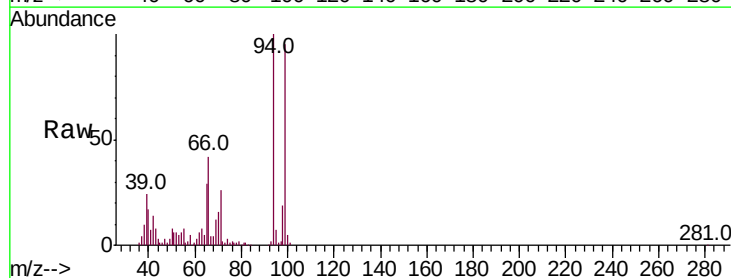
Tgt Ion: 94 Resp: 113395

Ion Ratio Lower Upper

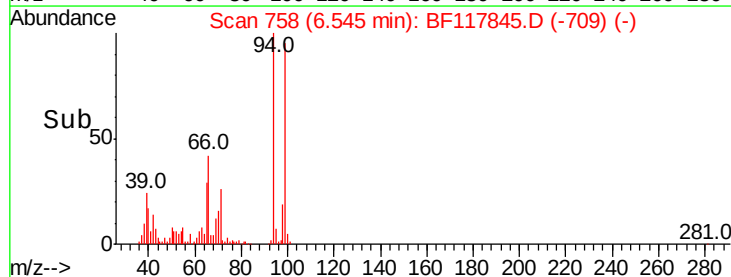
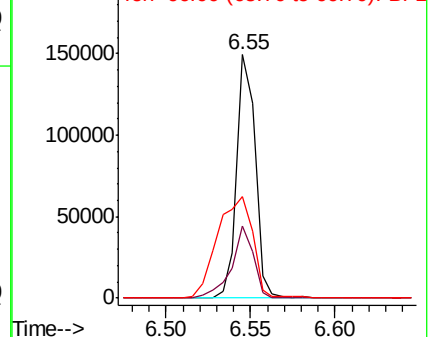
94 100

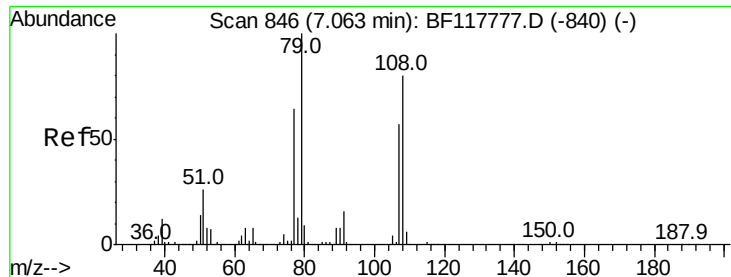
65 29.5 8.9 48.9

66 41.8 18.7 58.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.457 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

ClientSampled :

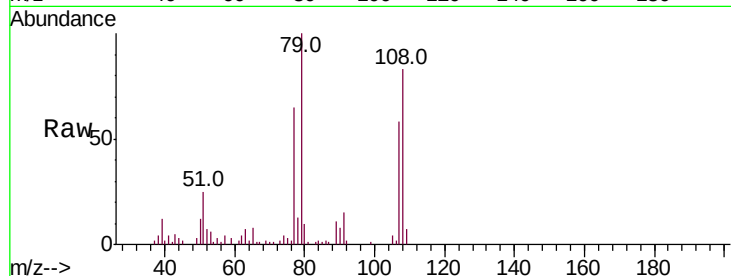
Tot Ion: 79 Resp: 30710

Ion Ratio Lower Upper

79 100

108 82.8 64.1 96.1

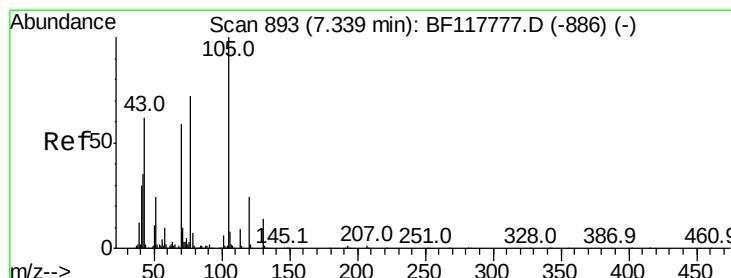
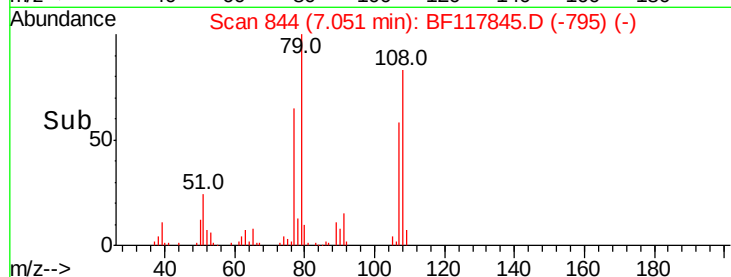
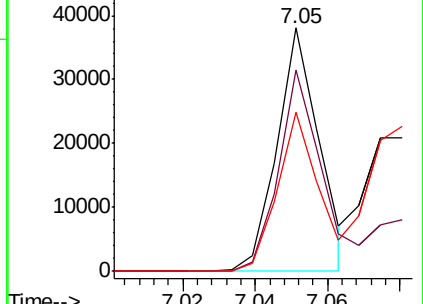
77 65.4 51.3 76.9



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.505 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.14 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Tgt Ion: 70 Resp: 144868

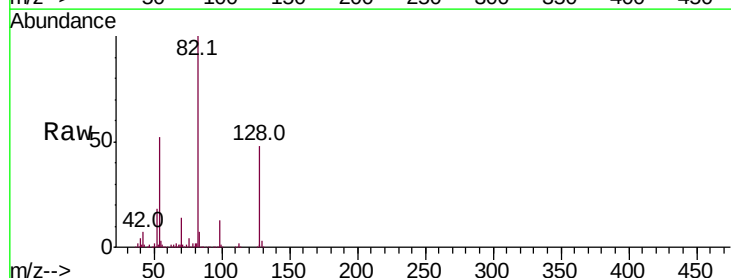
Ion Ratio Lower Upper

70 100

42 47.5 47.4 71.2

101 0.0 8.4 12.6#

130 2.0 18.8 28.2#

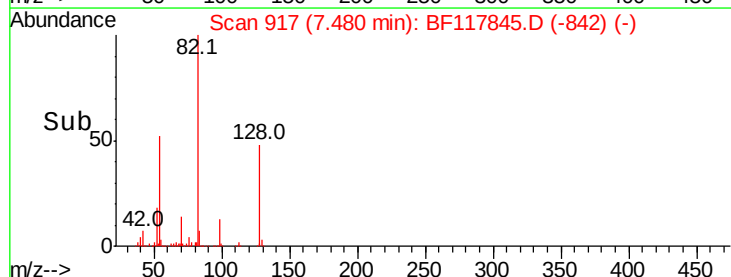
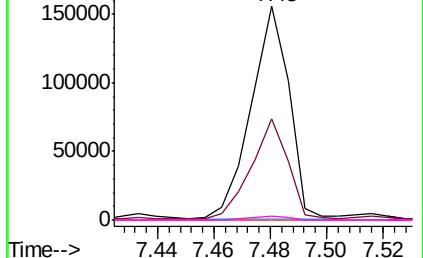


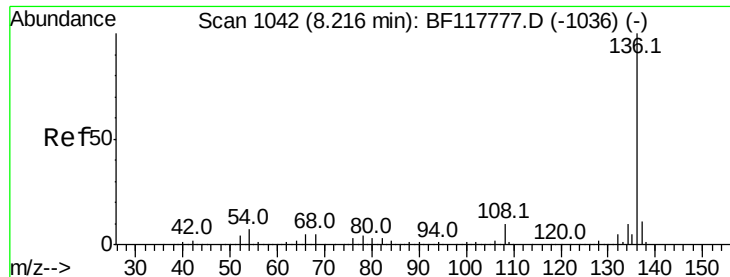
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

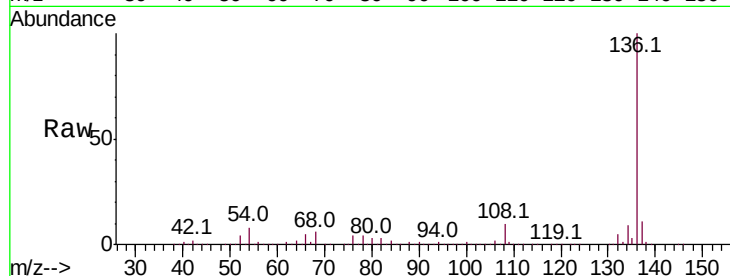




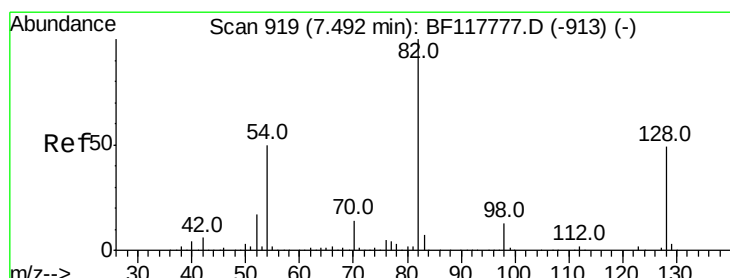
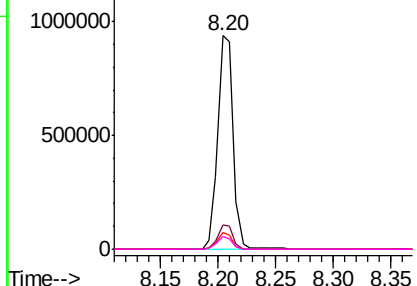
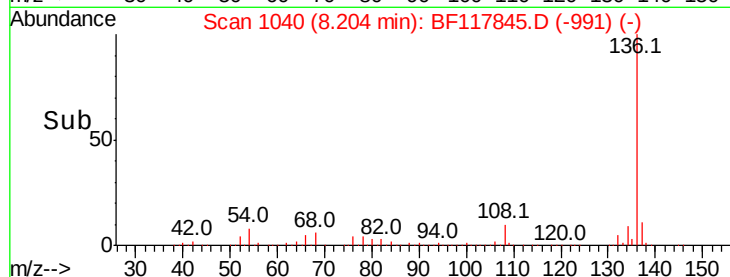
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	875935	
Ion Ratio	Lower	Upper	
136 100			
137 11.5	9.0	13.4	
54 7.6	5.4	8.2	
68 6.0	4.3	6.5	

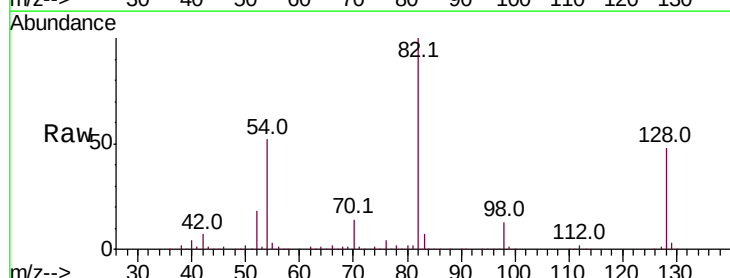


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

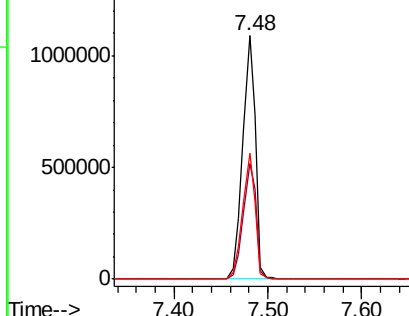
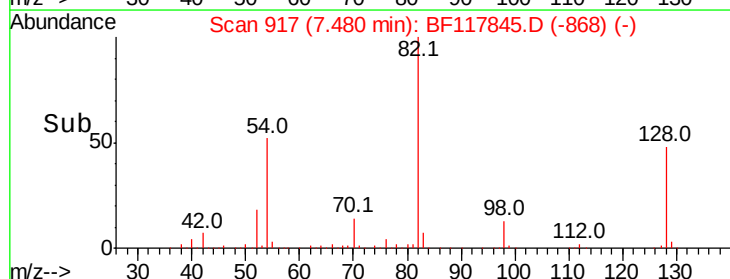


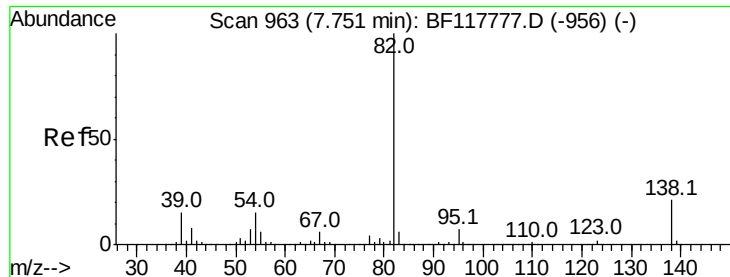
#23
Nitrobenzene-d5
Concen: 69.840 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Tgt	Ion: 82	Resp: 1029095	
Ion	Ratio	Lower	Upper
82	100		
128	47.7	38.9	58.3
54	51.6	39.8	59.6



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: 37.968 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.27 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

ClientSampled :

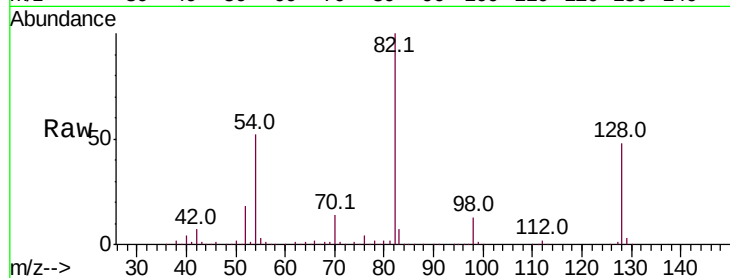
Tot Ion: 82 Resp: 1025392

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

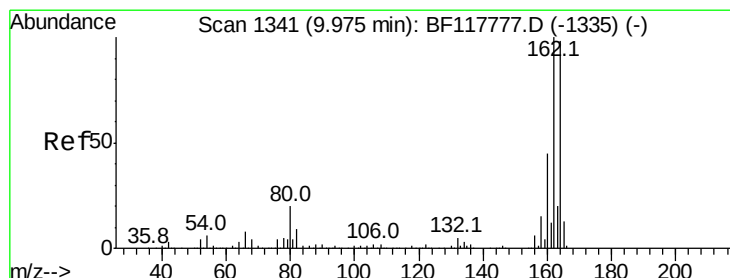
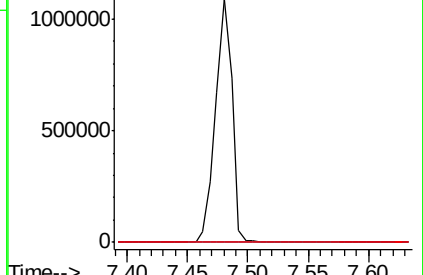
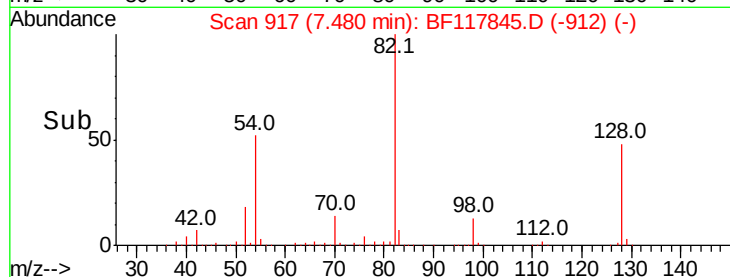
138 0.0 16.5 24.7#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

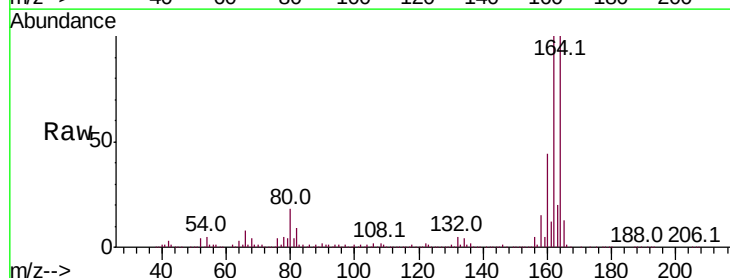
Tgt Ion:164 Resp: 409997

Ion Ratio Lower Upper

164 100

162 100.1 81.3 121.9

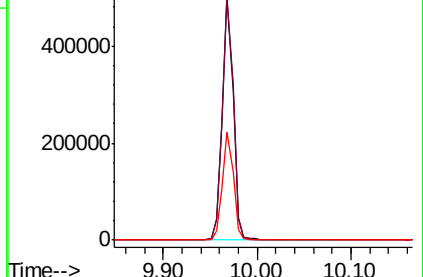
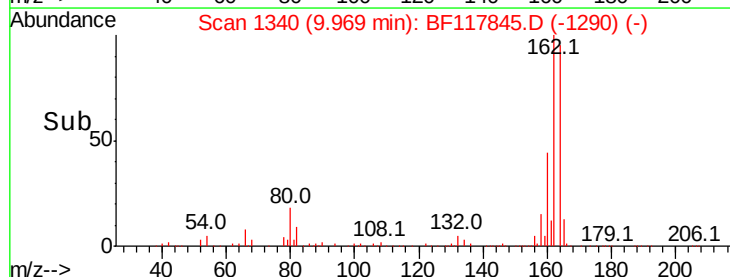
160 44.3 36.6 55.0

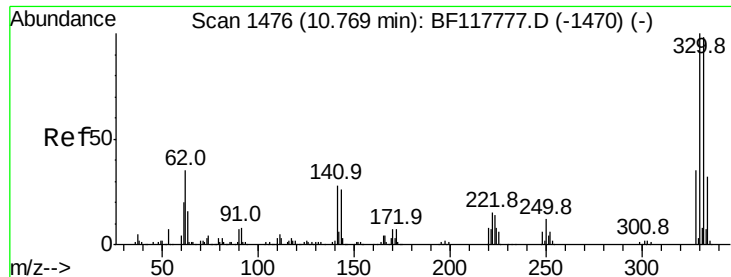


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 0.968 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

ClientSampleId :

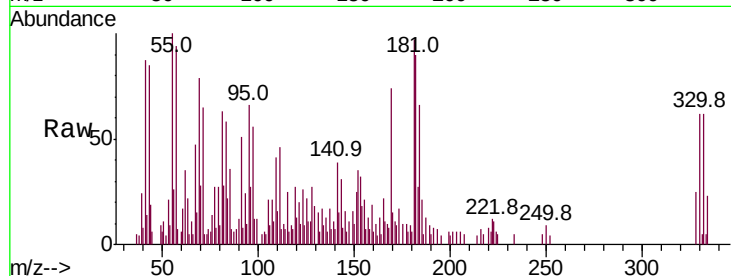
Tot Ion:330 Resp: 4200

Ion Ratio Lower Upper

330 100

332 95.0 76.7 115.1

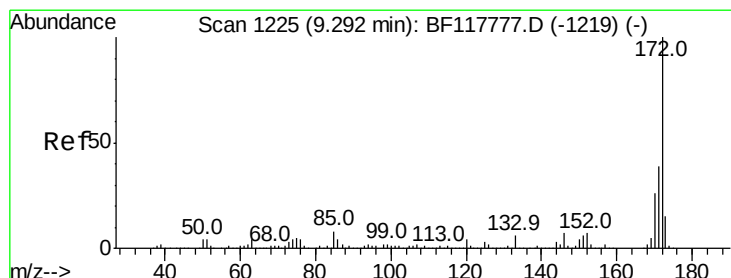
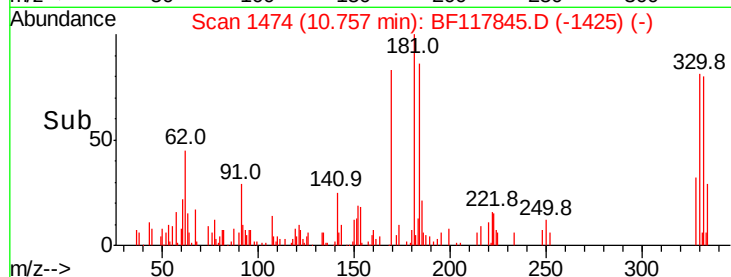
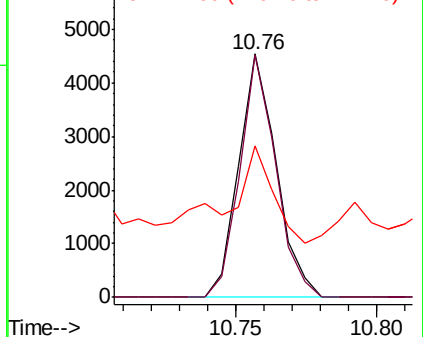
141 50.5 27.7 41.5#



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: 82.426 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

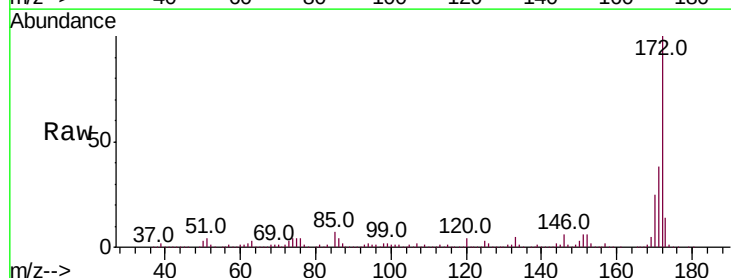
Tgt Ion:172 Resp: 1883719

Ion Ratio Lower Upper

172 100

171 37.5 30.9 46.3

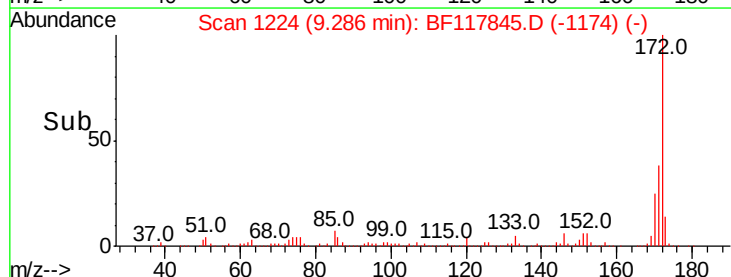
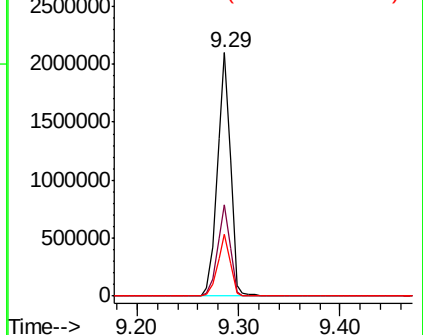
170 25.3 21.0 31.4

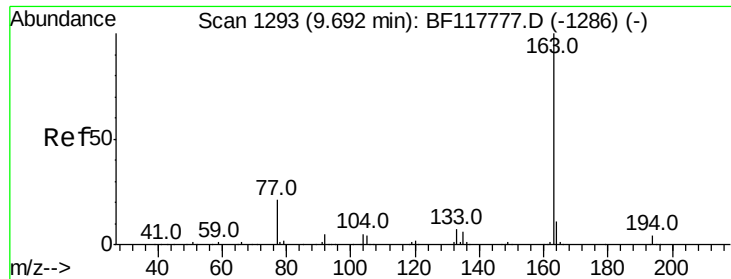


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

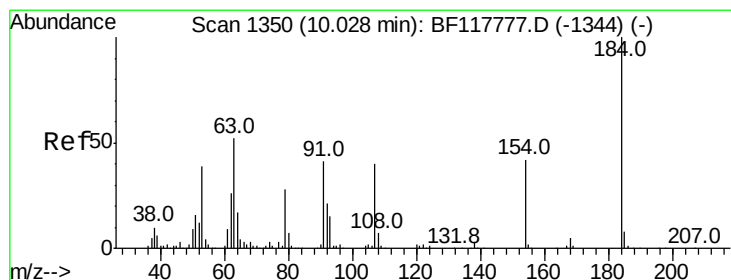
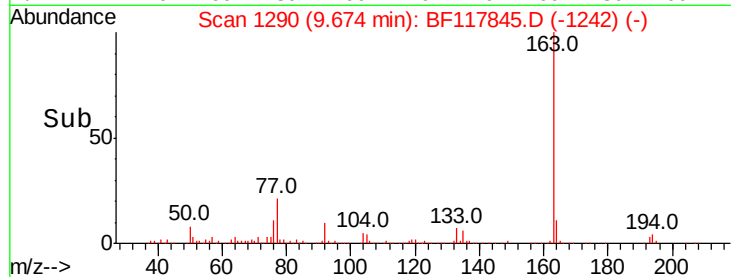
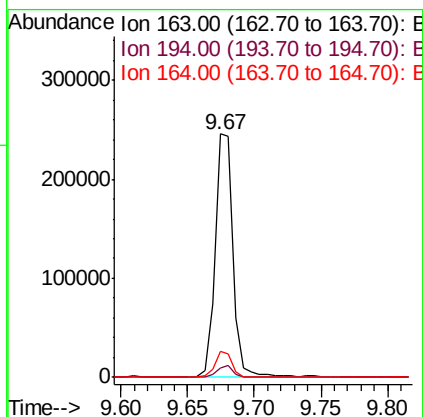
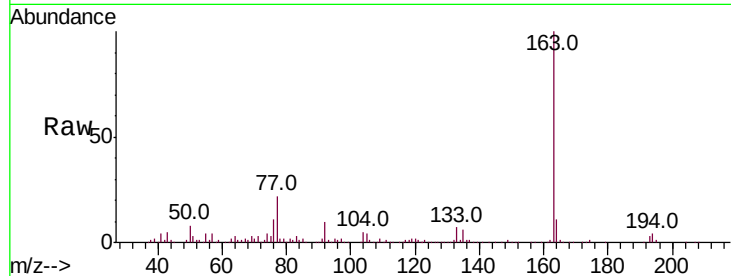




#50
Dimethylphthalate
Concen: 8.143 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

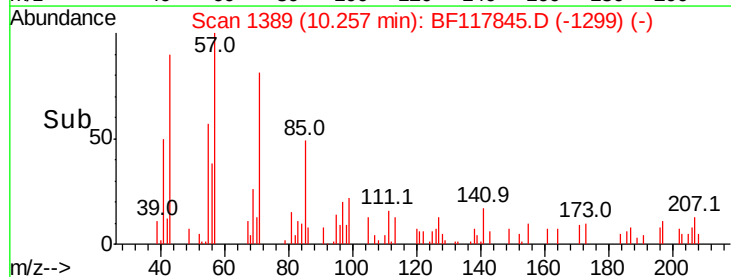
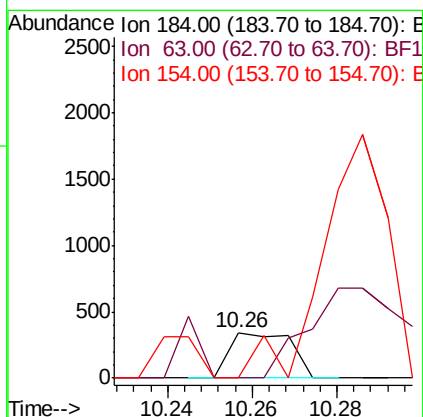
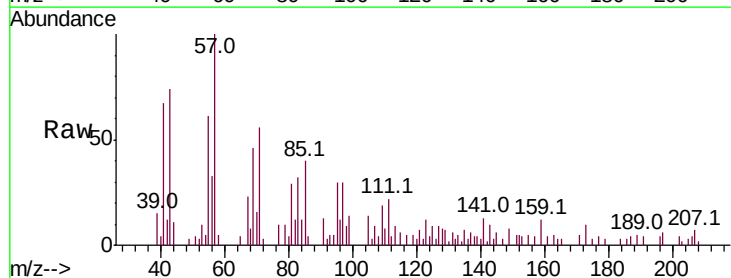
Instrument :
BNA_F
ClientSampleId :

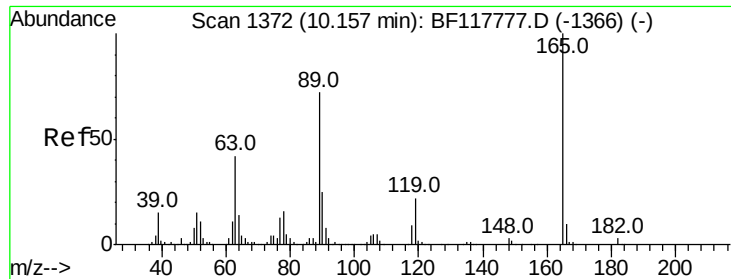
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.9	8.7	13.1



#54
2,4-Dinitrophenol
Concen: 7.321 ng
RT: 10.26 min Scan# 1389
Delta R.T. 0.23 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	43.0	64.6#
154	0.0	48.0	72.0#

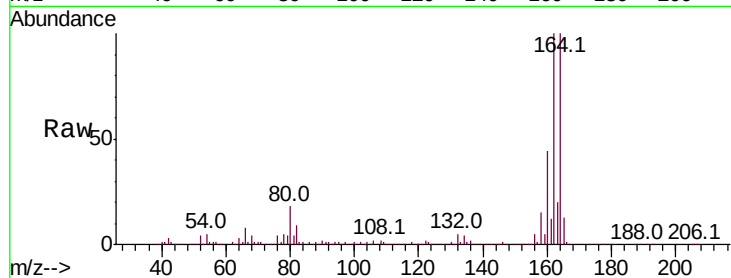




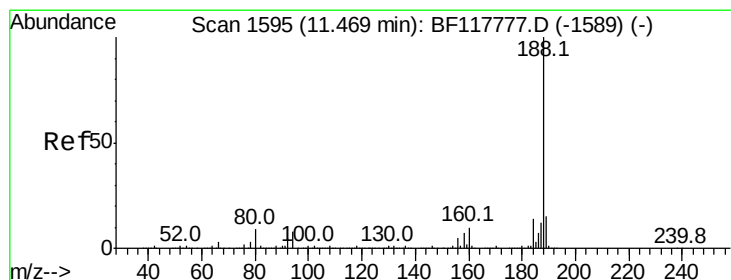
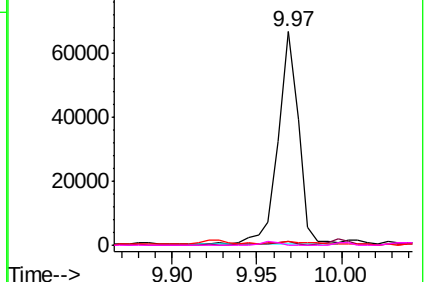
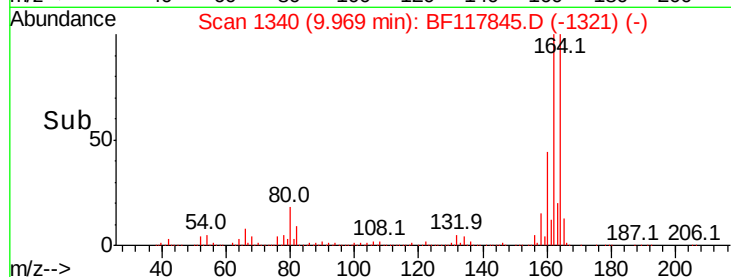
#57
 2,4-Dinitrotoluene
 Concen: 6.972 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.19 min
 Lab File: BF117845.D
 Acq: 18 Nov 2019 19:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 55726
 Ion Ratio Lower Upper
 165 100
 63 1.7 33.7 50.5#
 89 1.7 57.3 85.9#
 182 0.0 2.3 3.5#

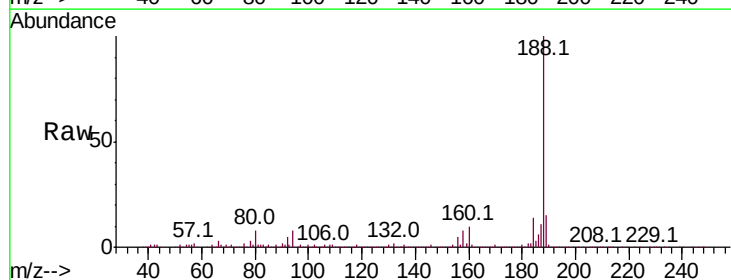


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

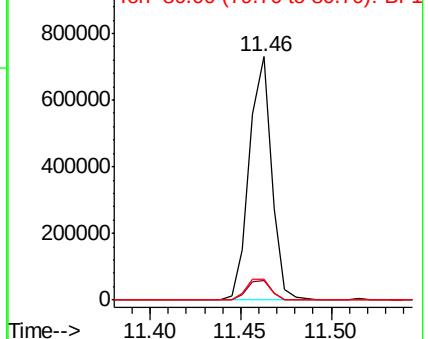
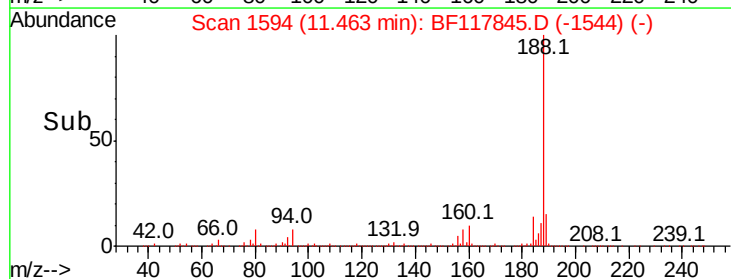


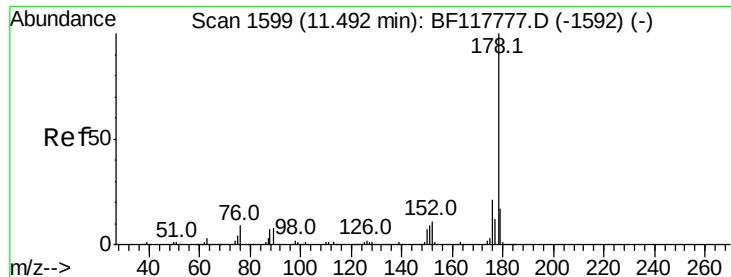
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF117845.D
 Acq: 18 Nov 2019 19:48

Tgt Ion:188 Resp: 627961
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.6 10.0
 80 8.4 7.2 10.8



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





#71

Phenanthrene

Concen: 6.637 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

ClientSampleId :

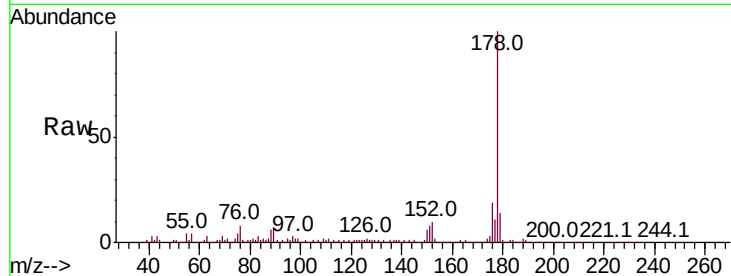
Tot Ion:178 Resp: 209531

Ion Ratio Lower Upper

178 100

176 18.9 16.6 25.0

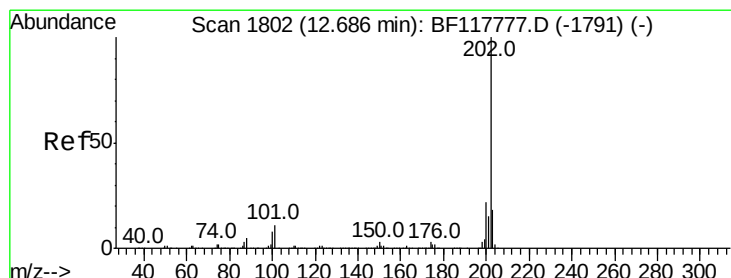
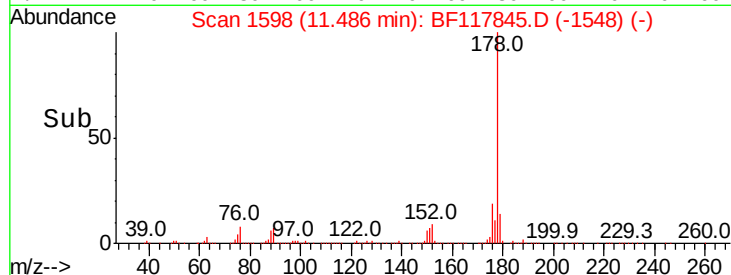
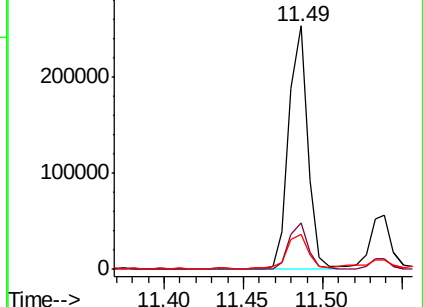
179 14.4 13.2 19.8



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: 2.818 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

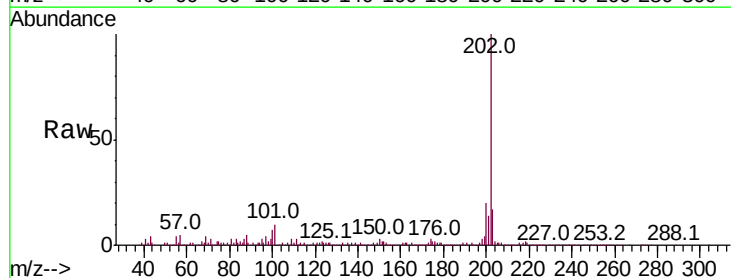
Tgt Ion:202 Resp: 283810

Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.1

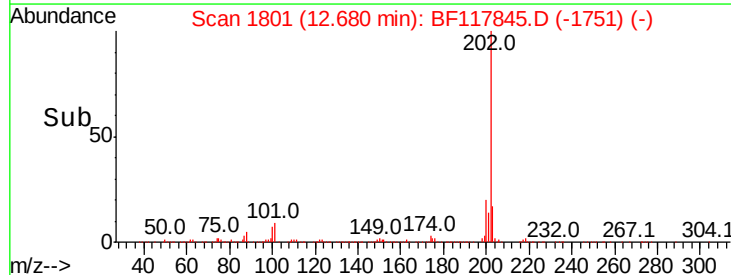
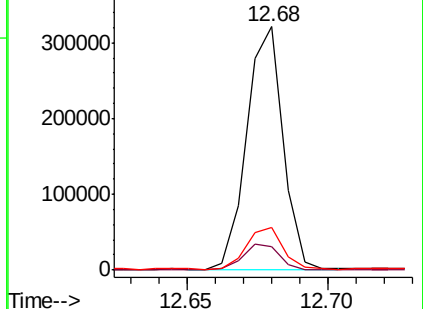
203 17.4 0.0 38.2

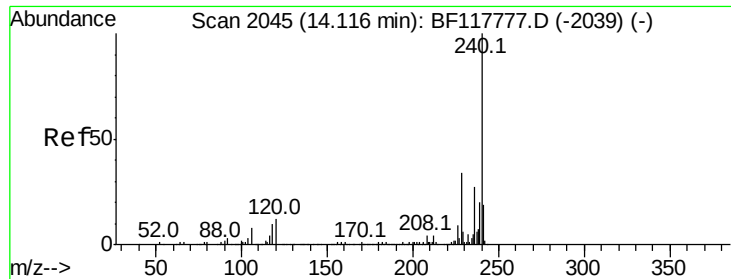


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

ClientSampleId :

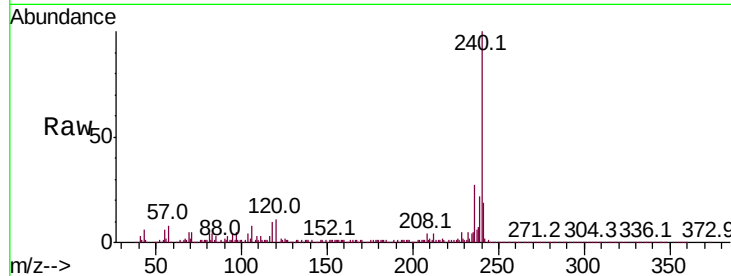
Tot Ion:240 Resp: 514791

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

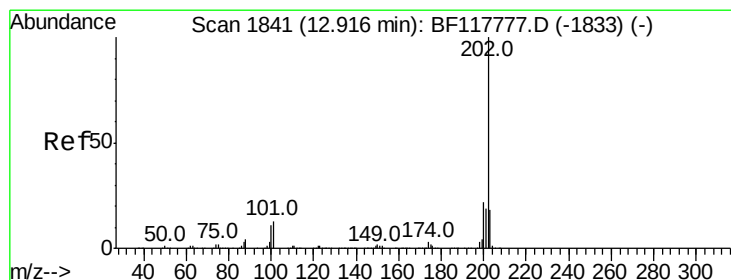
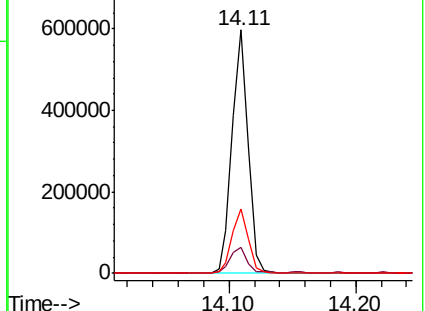
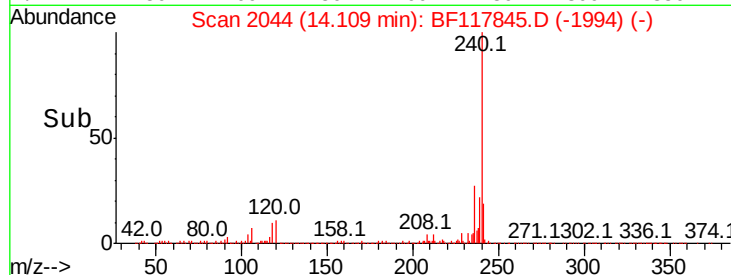
236 26.7 21.3 31.9



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: 6.634 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

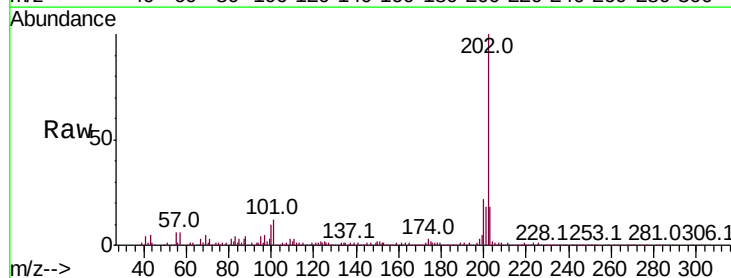
Tgt Ion:202 Resp: 275978

Ion Ratio Lower Upper

202 100

200 21.9 17.8 26.8

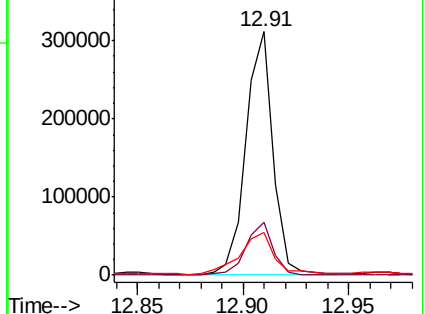
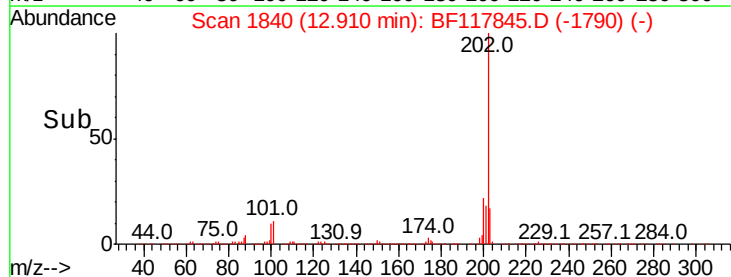
203 17.7 14.6 22.0

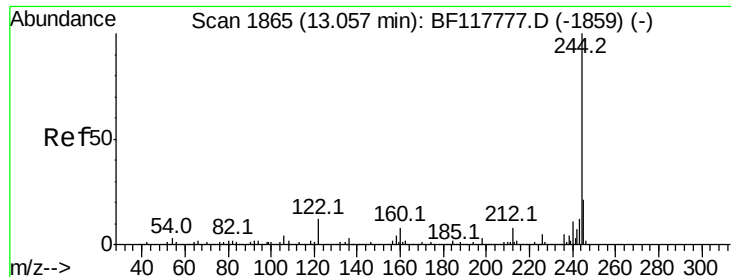


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

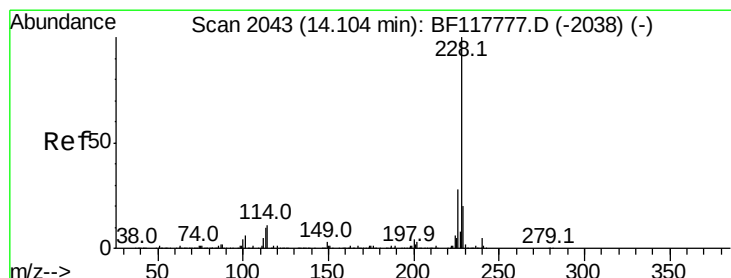
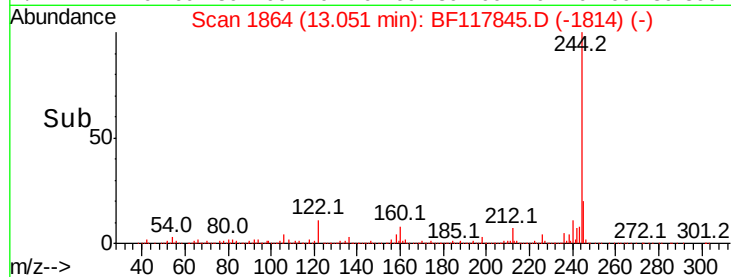
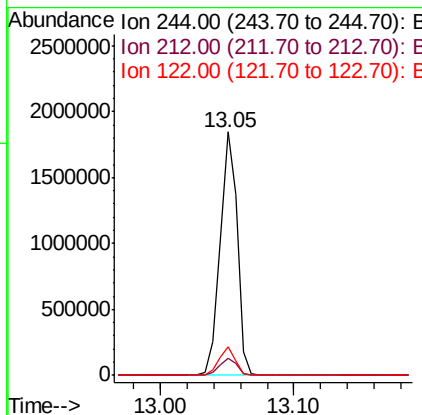
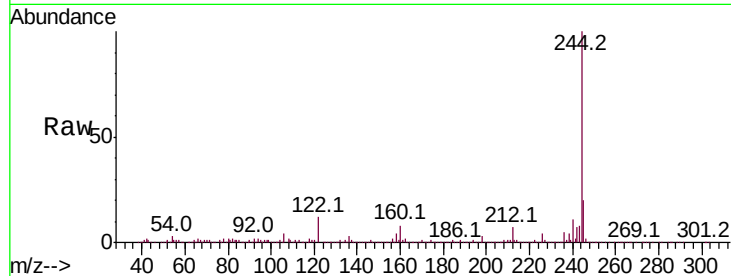




#79
 Terphenyl-d14
 Concen: 59.676 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117845.D
 Acq: 18 Nov 2019 19:48

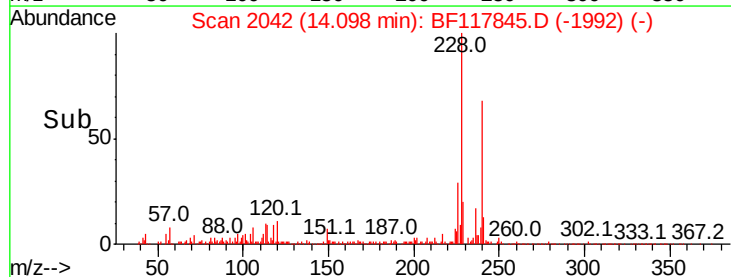
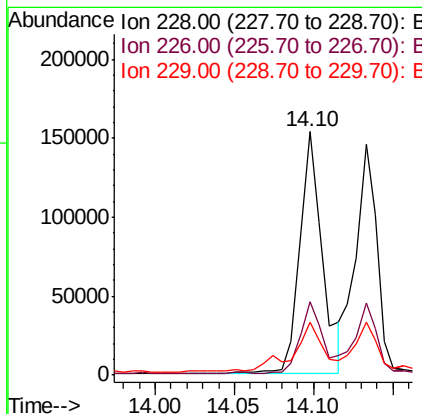
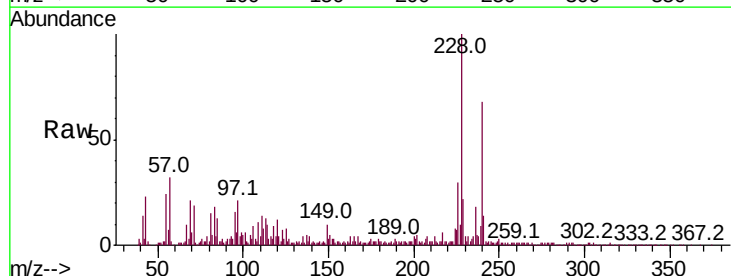
Instrument :
 BNA_F
 ClientSampled :

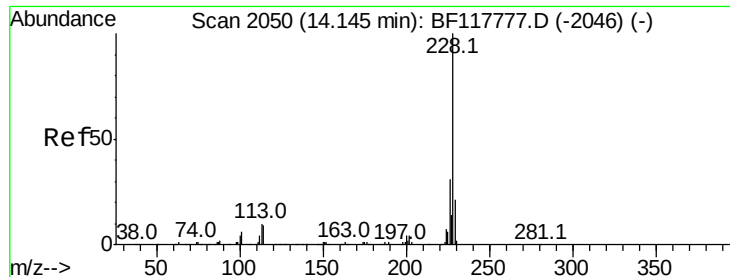
Tot Ion:244 Resp: 1680910
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 11.6 9.4 14.2



#81
 Benzo(a)anthracene
 Concen: 4.489 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BF117845.D
 Acq: 18 Nov 2019 19:48

Tgt Ion:228 Resp: 152710
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.2 33.2
 229 21.7 15.9 23.9





#83

Chrysene

Concen: 4.191 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :

BNA_F

ClientSampled :

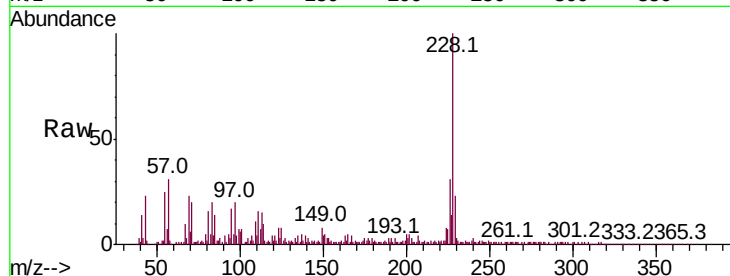
Tot Ion:228 Resp: 138144

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.4

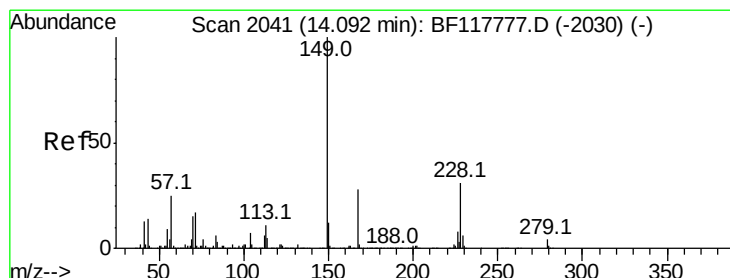
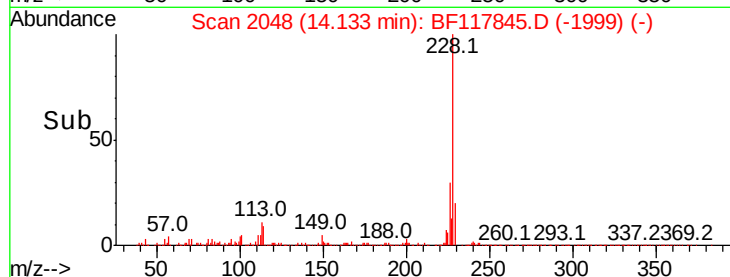
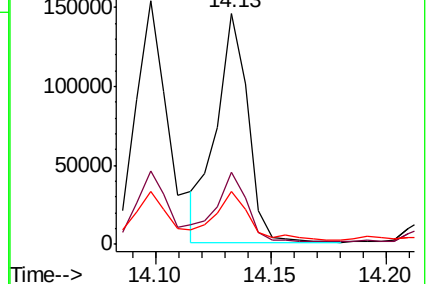
229 22.7 16.6 25.0



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.348 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

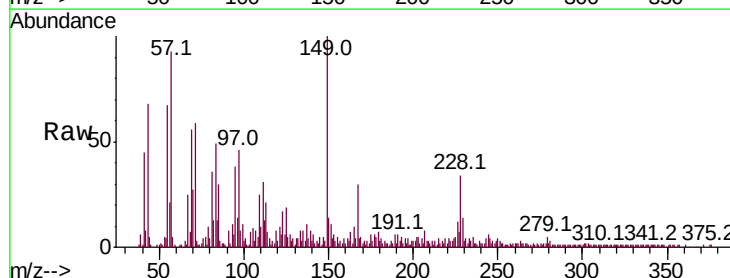
Tgt Ion:149 Resp: 50861

Ion Ratio Lower Upper

149 100

167 30.4 22.2 33.2

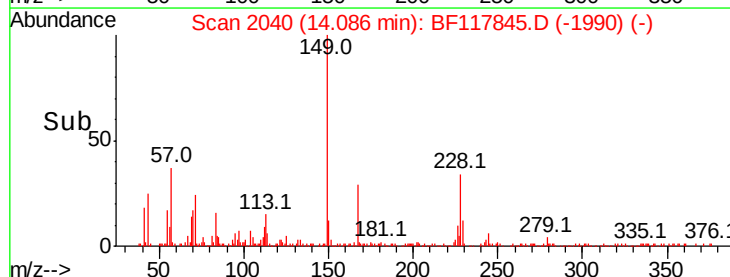
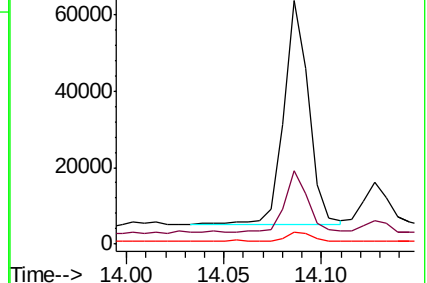
279 4.8 3.4 5.2

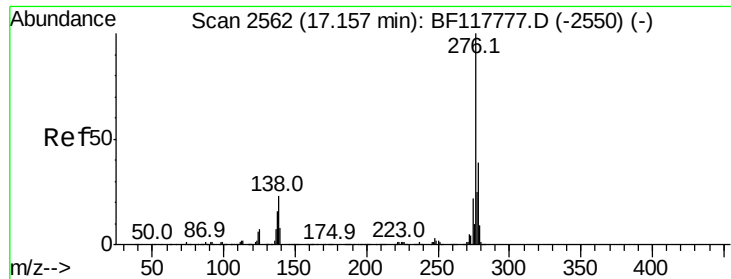


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

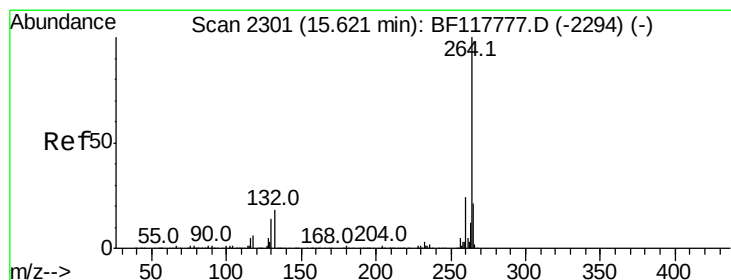
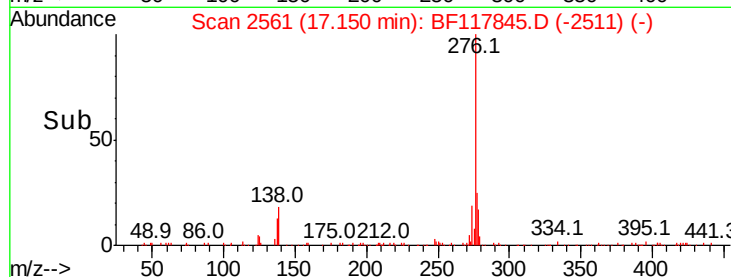
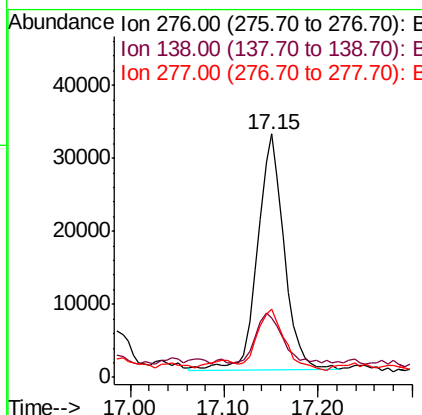
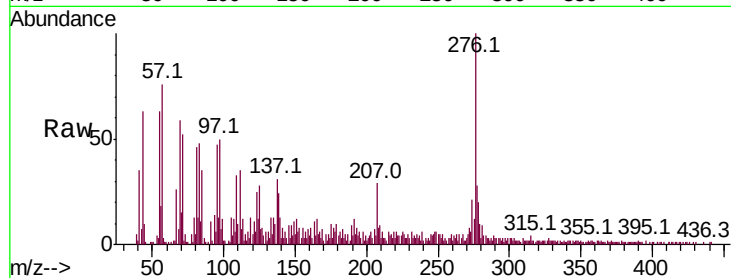




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.247 ng
RT: 17.15 min Scan# 2561
Delta R.T. -0.01 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

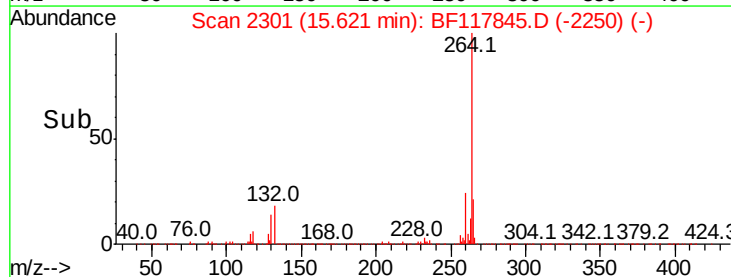
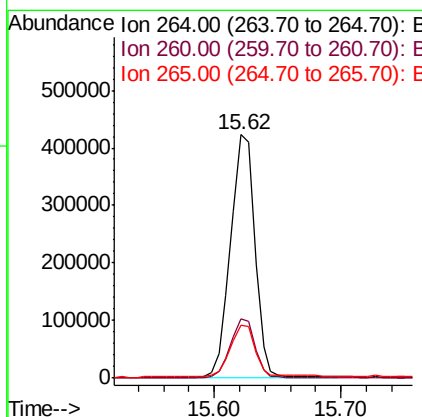
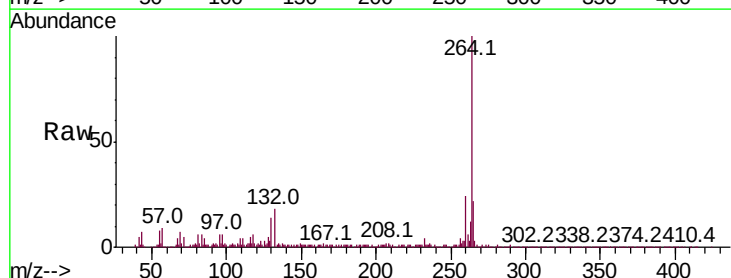
Instrument :
BNA_F
ClientSampleId :

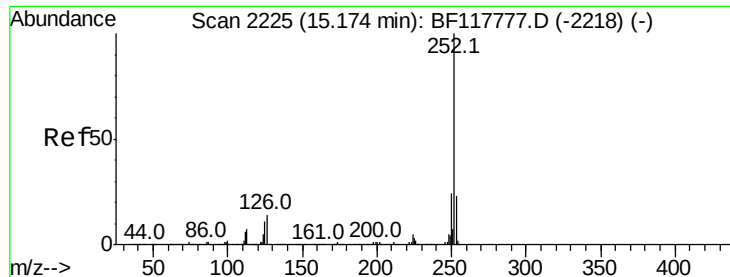
Tot Ion:276 Resp: 63041
Ion Ratio Lower Upper
276 100
138 22.0 20.9 31.3
277 26.9 20.3 30.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.00 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Tgt Ion:264 Resp: 561814
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.0
265 21.8 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 6.930 ng

RT: 15.17 min Scan# 2225

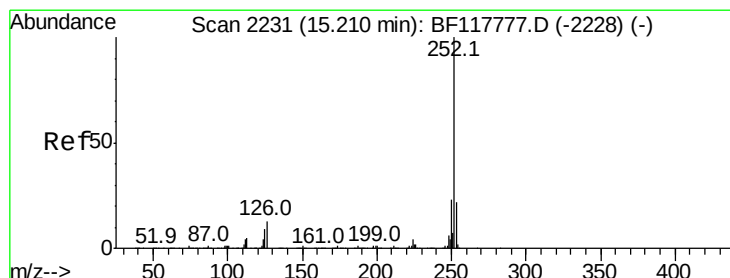
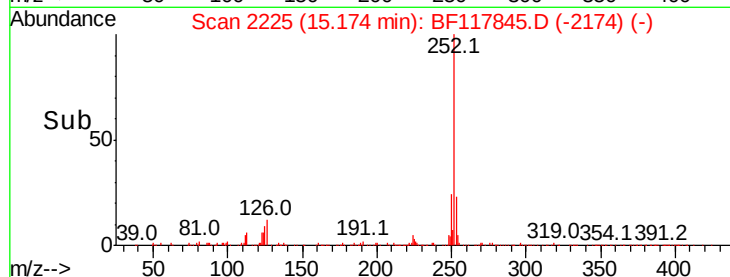
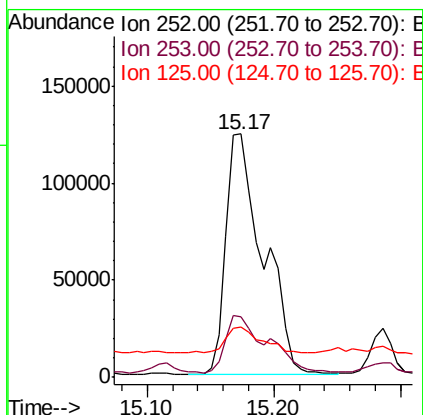
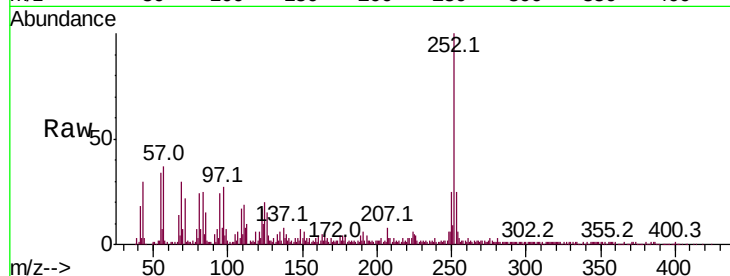
Delta R.T. -0.00 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	20.5	8.6	13.0#



#89

Benzo(k)fluoranthene

Concen: 7.355 ng

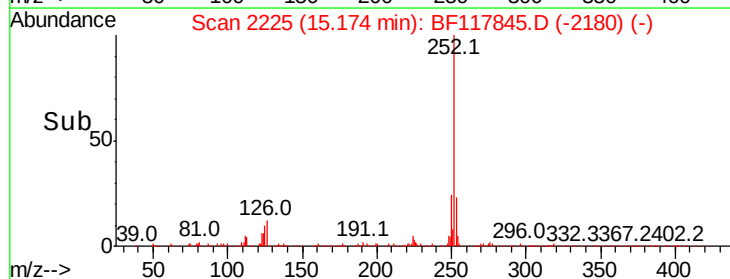
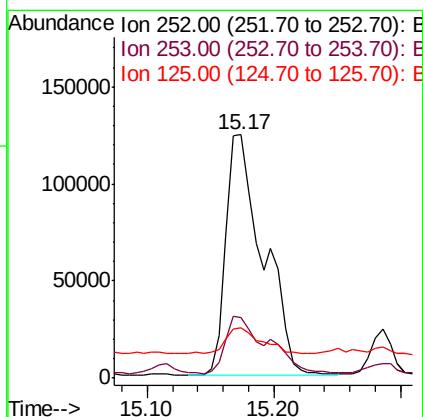
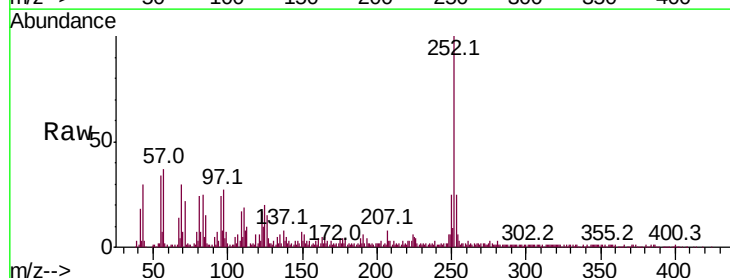
RT: 15.17 min Scan# 2225

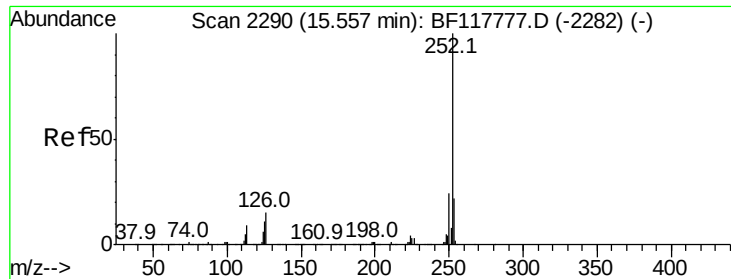
Delta R.T. -0.04 min

Lab File: BF117845.D

Acq: 18 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	20.5	7.9	11.9#

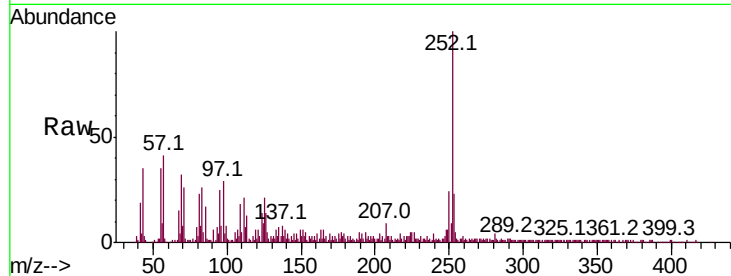




#90
Benzo(a)pyrene
Concen: 3.794 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	20.6	9.2	13.8#

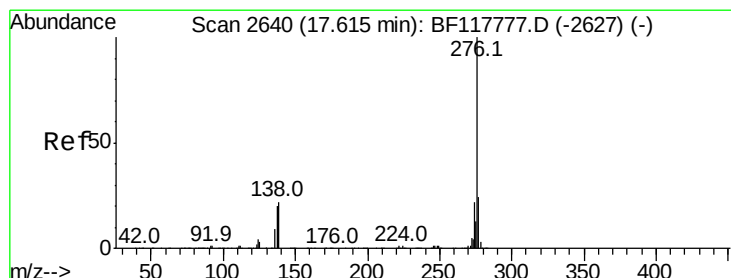
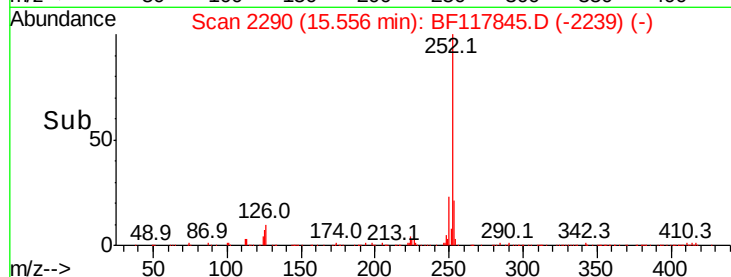
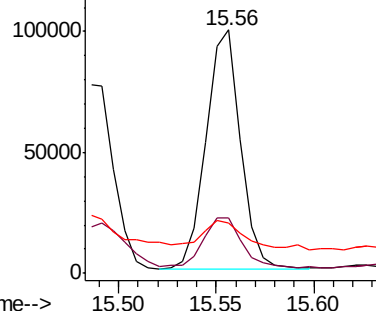


Abundance

Ion 252.00 (251.70 to 252.70): E

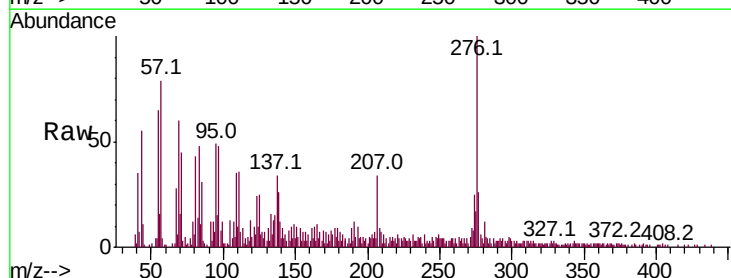
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.130 ng
RT: 17.62 min Scan# 2640
Delta R.T. -0.00 min
Lab File: BF117845.D
Acq: 18 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.9	28.3
138	25.7	17.4	26.2



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

