

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118245.D
 Acq On : 18 Dec 2019 00:04
 Operator : JU
 Sample : K6292-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 05:07:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	126142	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	480118	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	220784	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	348239	20.00	ng	0.00
76) Chrysene-d12	14.06	240	255029	20.00	ng	0.00
87) Perylene-d12	15.56	264	204960	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	264441	36.72	ng	0.00
7) Phenol-d6	6.49	99	414894	47.63	ng	-0.01
23) Nitrobenzene-d5	7.42	82	235906	27.64	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	53611	19.99	ng	-0.02
45) 2-Fluorobiphenyl	9.22	172	447943	30.87	ng	-0.02
79) Terphenyl-d14	13.00	244	378786	25.54	ng	0.00

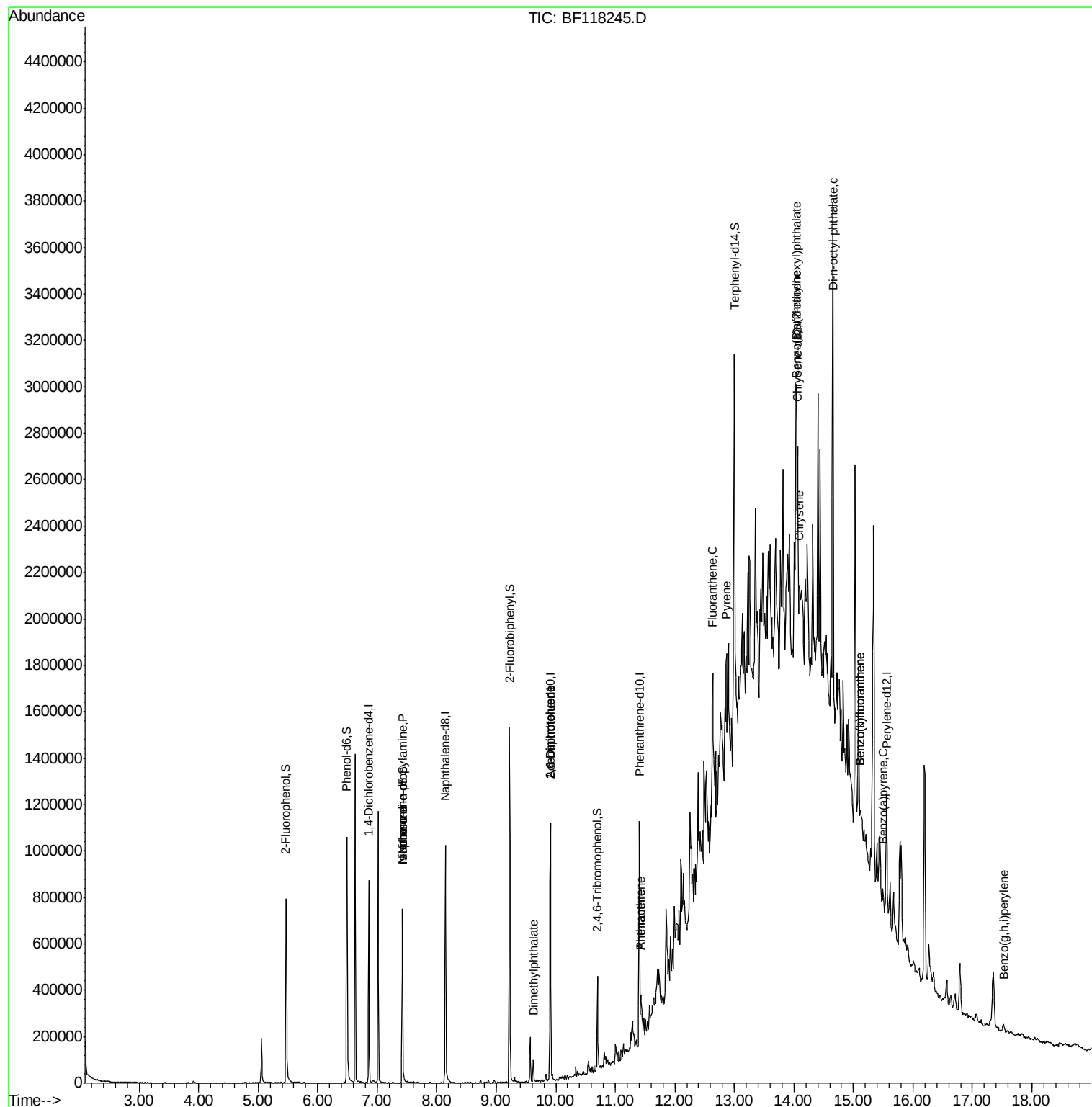
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	527	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.42	70	31938	6.034	ng	# 78
25) Isophorone	7.42	82	235903	16.306	ng	# 62
50) Dimethylphthalate	9.62	163	37713	2.313	ng	# 99
51) 2,6-Dinitrotoluene	9.91	165	28607	8.067	ng	# 27
57) 2,4-Dinitrotoluene	9.91	165	28608	6.044	ng	# 25
71) Phenanthrene	11.43	178	62837	3.394	ng	# 98
72) Anthracene	11.43	178	62837	3.403	ng	# 98
75) Fluoranthene	12.63	202	116488	6.155	ng	# 98
78) Pyrene	12.86	202	104886	5.219	ng	# 98
81) Benzo(a)anthracene	14.05	228	53578	3.038	ng	# 93
83) Chrysene	14.09	228	49371	2.931	ng	# 96
84) Bis(2-ethylhexyl)phthalate	14.04	149	596434	49.696	ng	# 72
85) Di-n-octyl phthalate	14.66	149	1242883	68.364	ng	# 98
88) Benzo(b)fluoranthene	15.12	252	70530	5.203	ng	# 58
89) Benzo(k)fluoranthene	15.12	252	70530	5.416	ng	# 58
90) Benzo(a)pyrene	15.50	252	34115	2.850	ng	# 66
92) Benzo(a,h,i)perylene	17.52	276	23497	2.381	ng	# 88

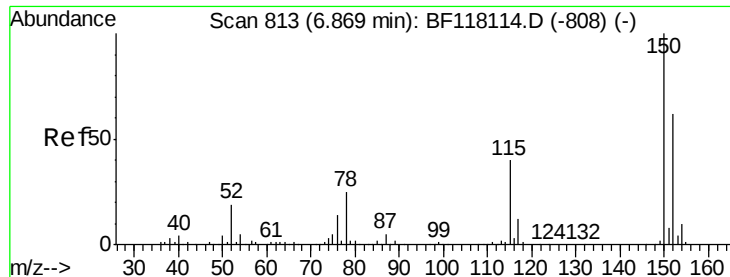
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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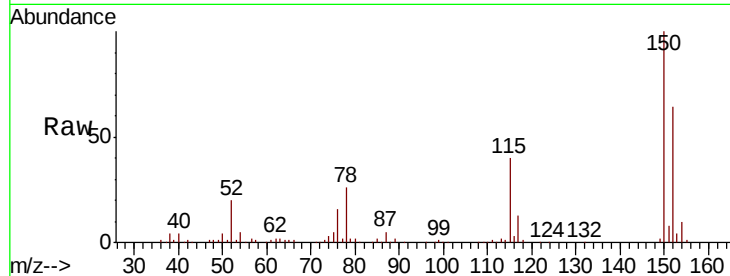


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118245.D
Acq: 18 Dec 2019 00:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	128.3	192.5
115	62.5	51.1	76.7

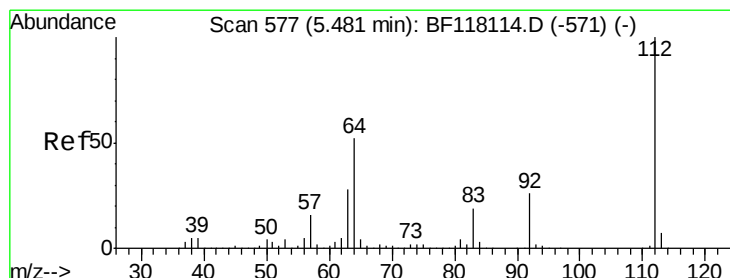
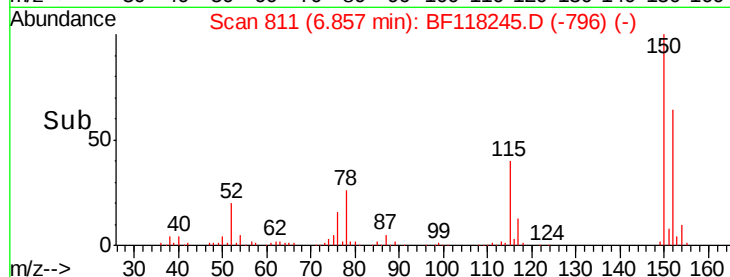
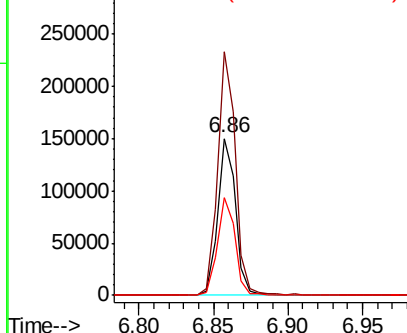


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

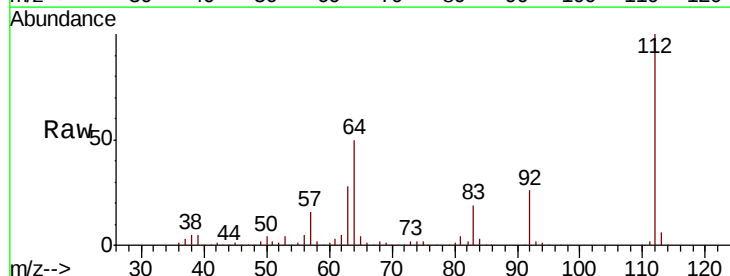
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 36.717 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118245.D
Acq: 18 Dec 2019 00:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	41.3	61.9
63	28.1	22.4	33.6

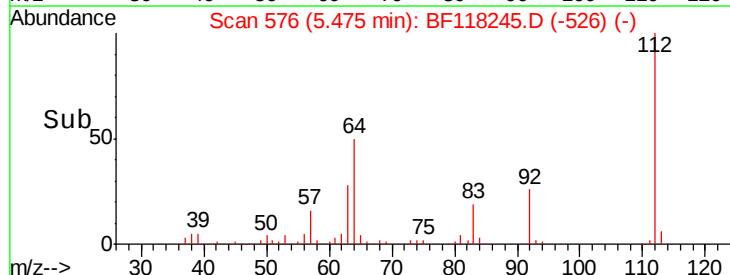
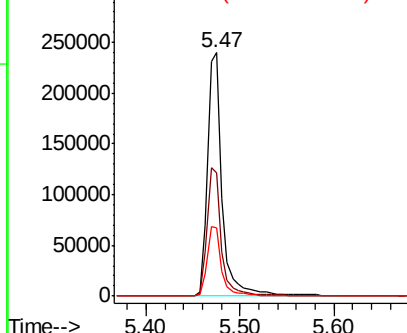


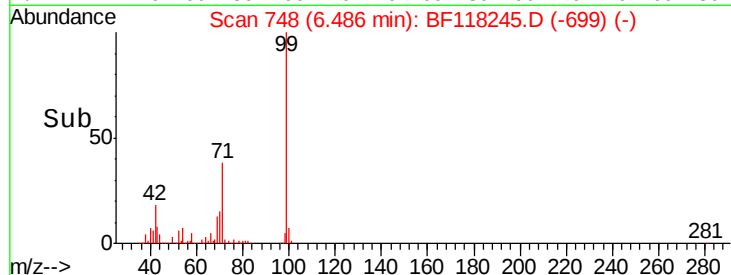
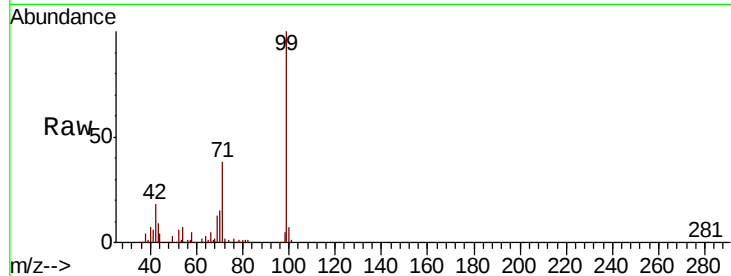
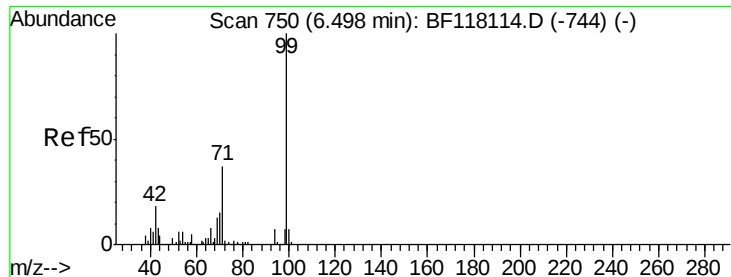
Abundance

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: 47.628 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118245.D

Acq: 18 Dec 2019 00:04

Instrument :

BNA_F

ClientSampleId :

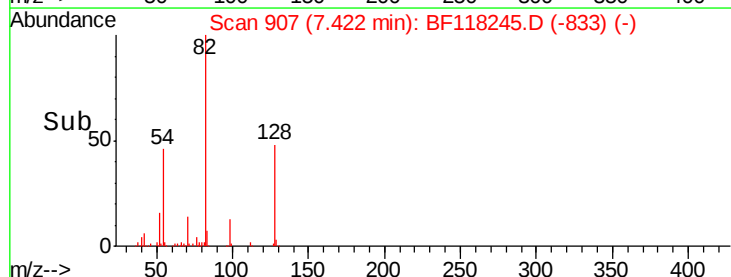
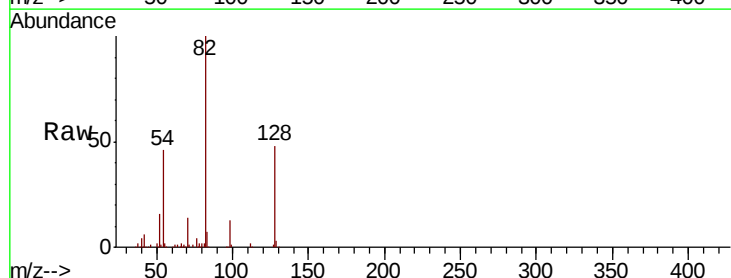
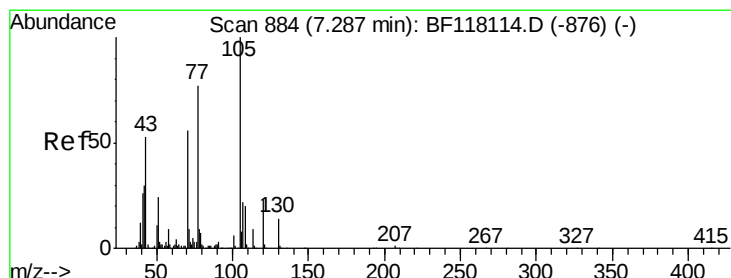
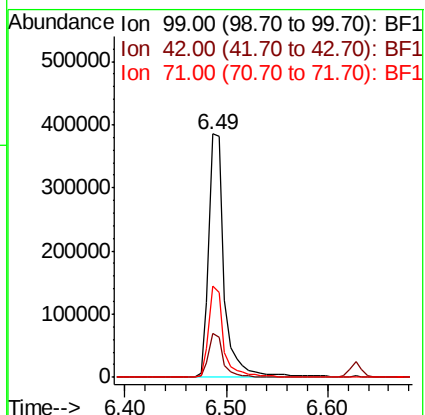
Tot Ion: 99 Resp: 414894

Ion Ratio Lower Upper

99 100

42 18.0 14.1 21.1

71 37.5 29.7 44.5



#19

n-Nitroso-di-n-propylamine

Concen: 6.034 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118245.D

Acq: 18 Dec 2019 00:04

Tgt Ion: 70 Resp: 31938

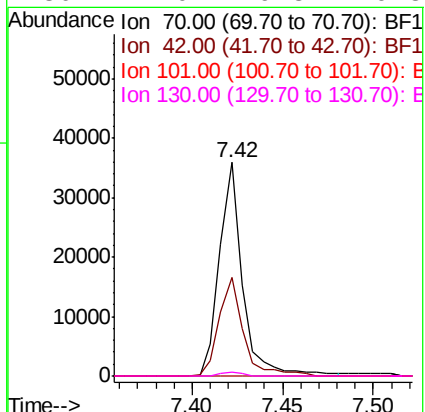
Ion Ratio Lower Upper

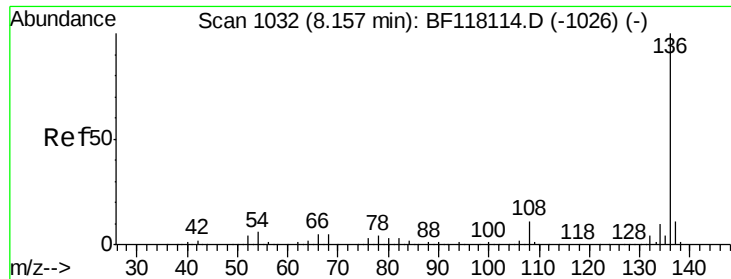
70 100

42 46.2 43.2 64.8

101 0.0 8.1 12.1#

130 2.0 19.8 29.8#

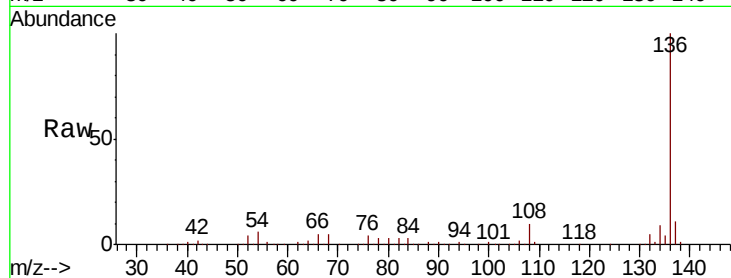




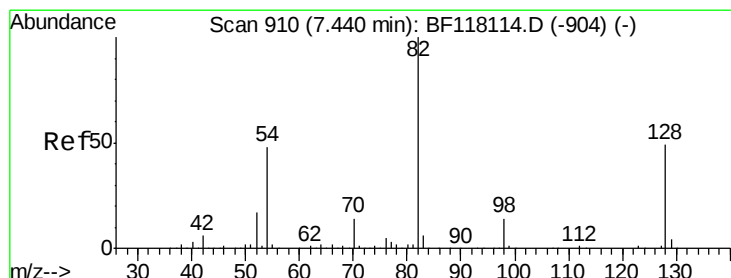
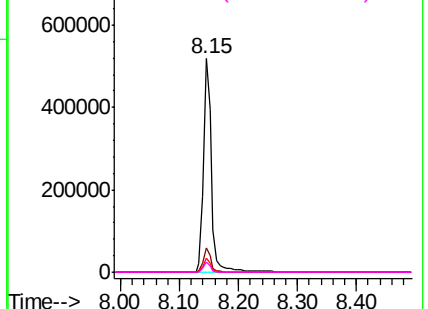
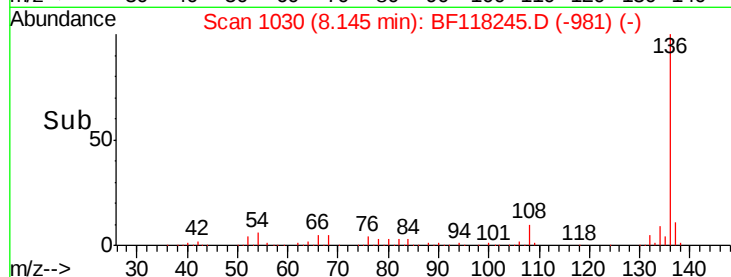
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118245.D
Acq: 18 Dec 2019 00:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	480118
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.0 13.6
54	6.5	5.0 7.6
68	5.0	3.8 5.8

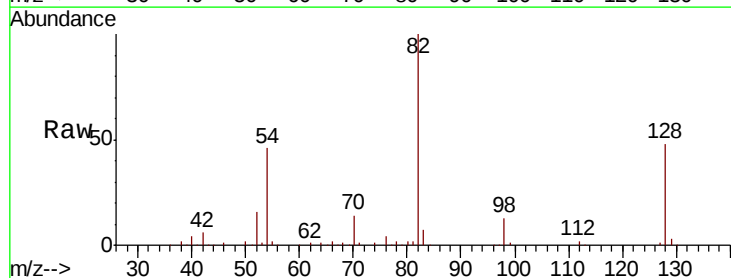


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

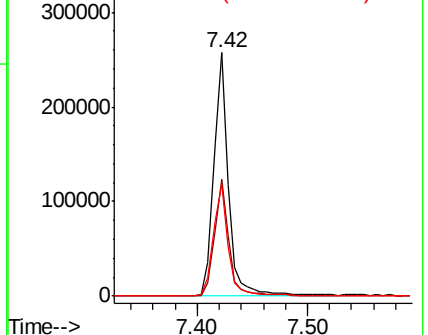
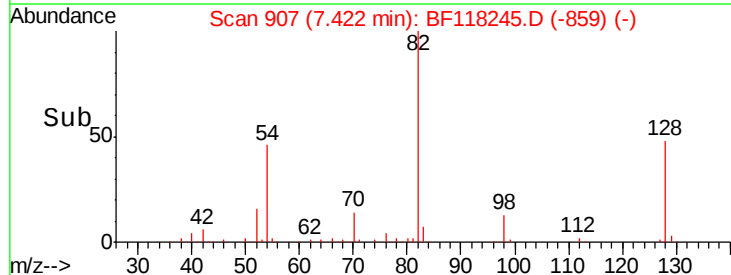


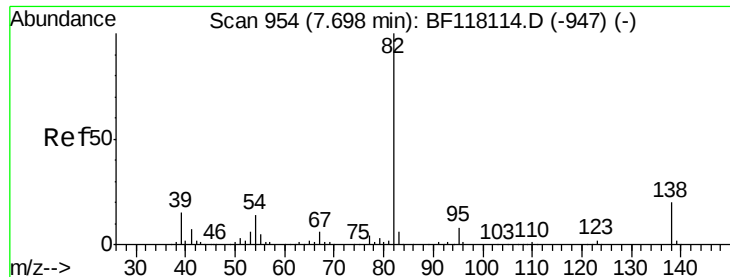
#23
Nitrobenzene-d5
Concen: 27.642 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118245.D
Acq: 18 Dec 2019 00:04

Tgt Ion: 82	Resp:	235906
Ion Ratio	Lower	Upper
82	100	
128	48.1	39.1 58.7
54	46.0	38.2 57.2



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





#25

Isophorone

Concen: 16.306 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF118245.D

Acq: 18 Dec 2019 00:04

Instrument :

BNA_F

ClientSampleId :

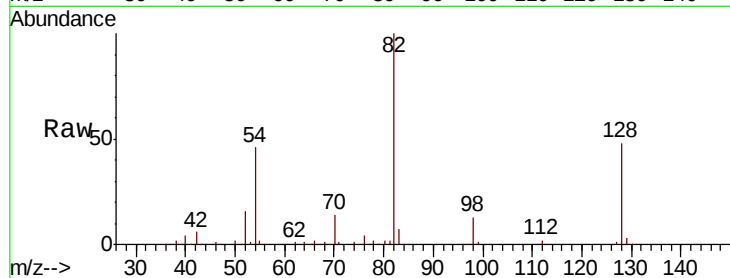
Tot Ion: 82 Resp: 235903

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

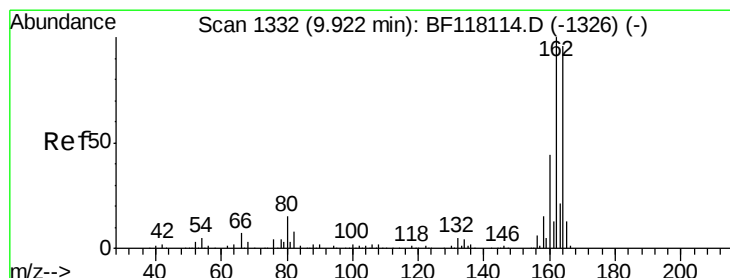
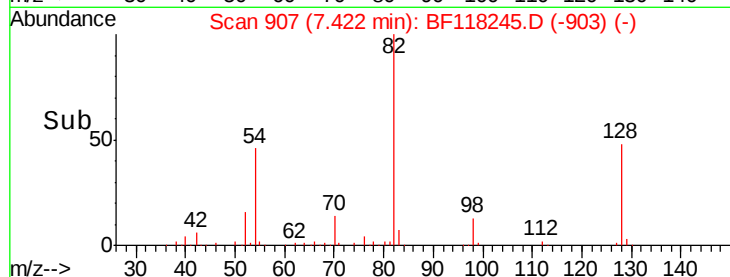
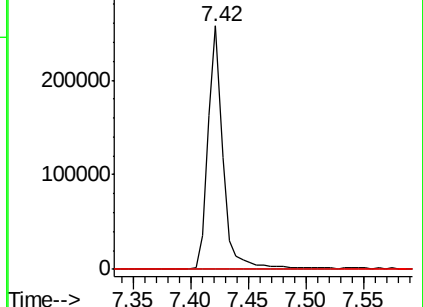
138 0.0 16.3 24.5#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118245.D

Acq: 18 Dec 2019 00:04

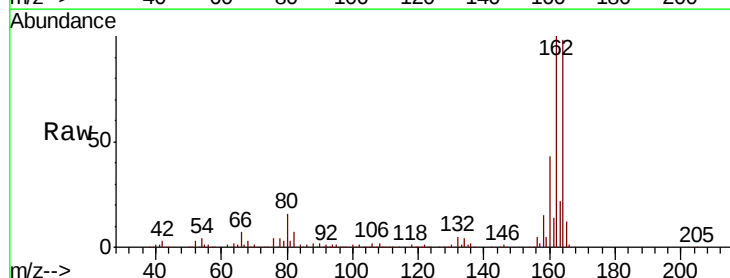
Tgt Ion:164 Resp: 220784

Ion Ratio Lower Upper

164 100

162 101.5 83.4 125.0

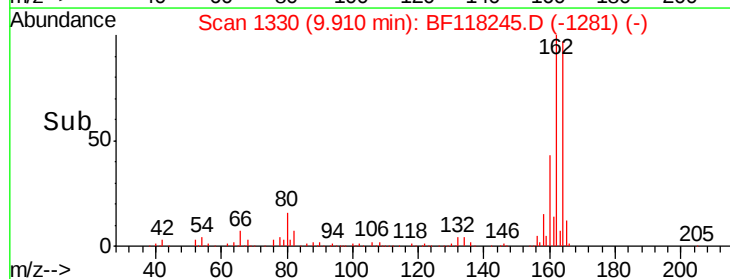
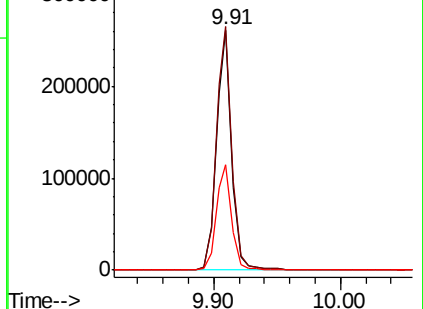
160 43.8 36.6 54.8

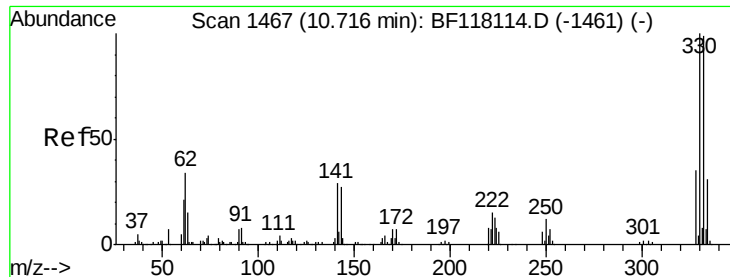


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

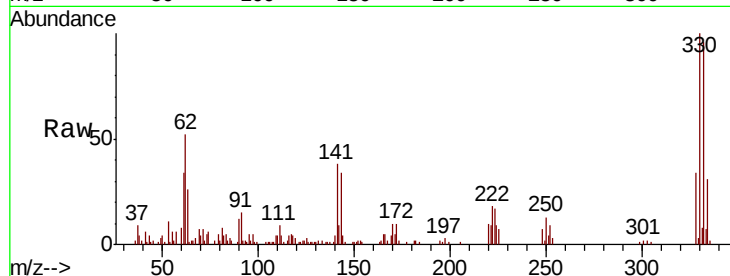




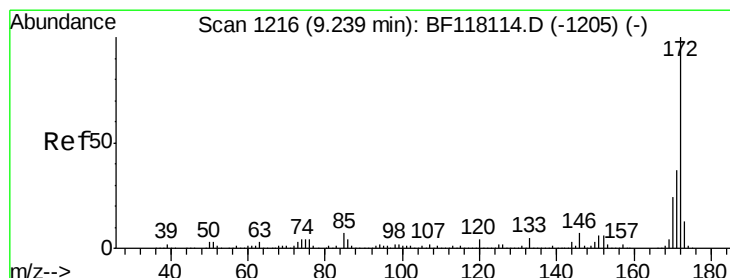
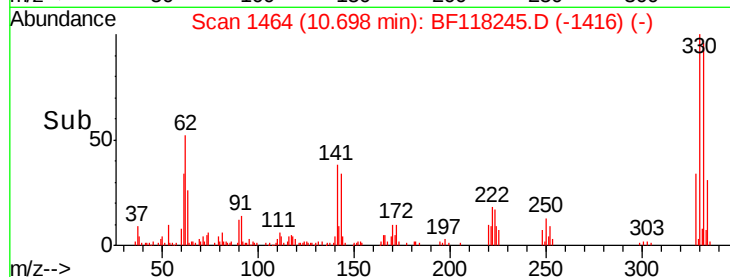
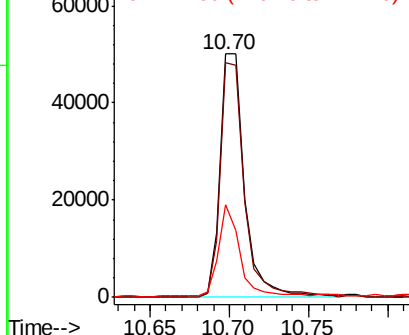
#42
 2,4,6-Tribromophenol
 Concen: 19.988 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF118245.D
 Acq: 18 Dec 2019 00:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 53611
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.1 117.1
 141 35.7 26.9 40.3

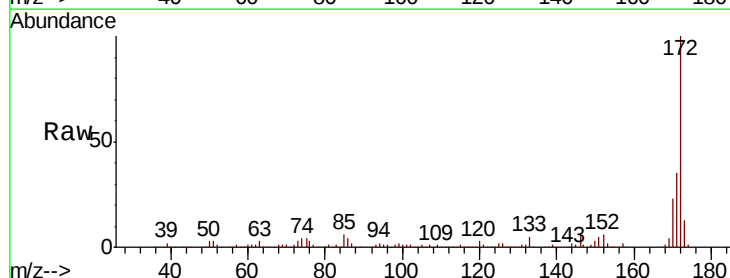


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

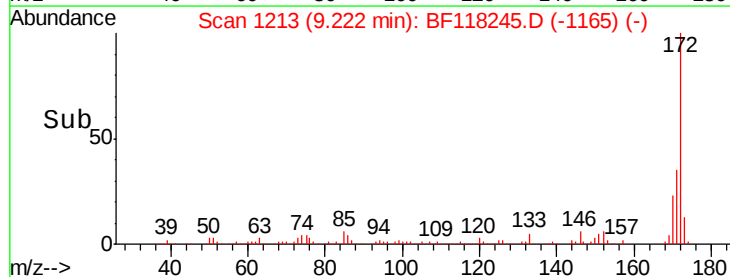
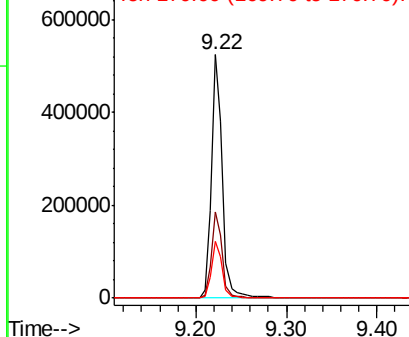


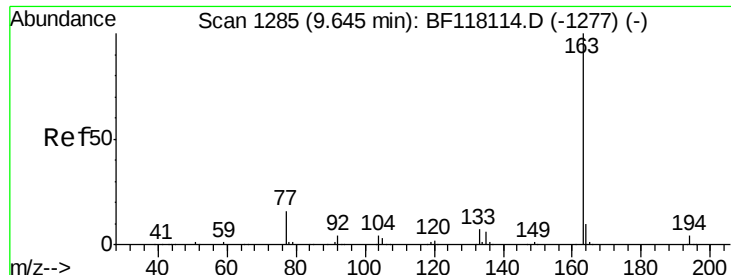
#45
 2-Fluorobiphenyl
 Concen: 30.872 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF118245.D
 Acq: 18 Dec 2019 00:04

Tgt Ion:172 Resp: 447943
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.2 43.8
 170 23.1 19.4 29.2



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

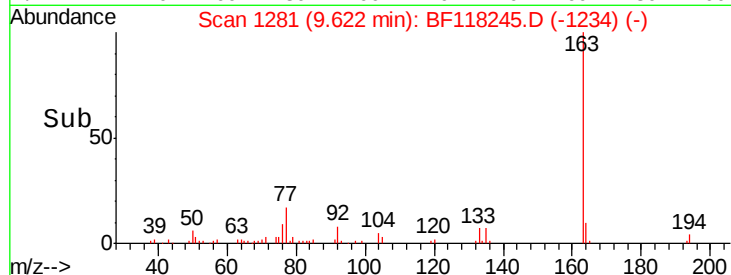
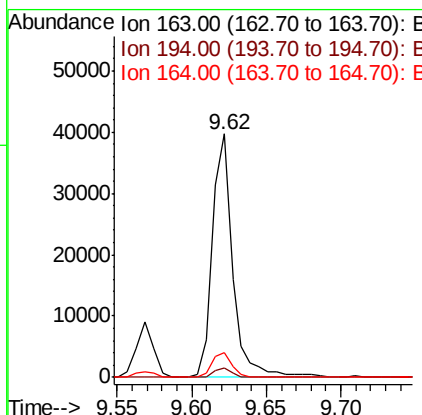
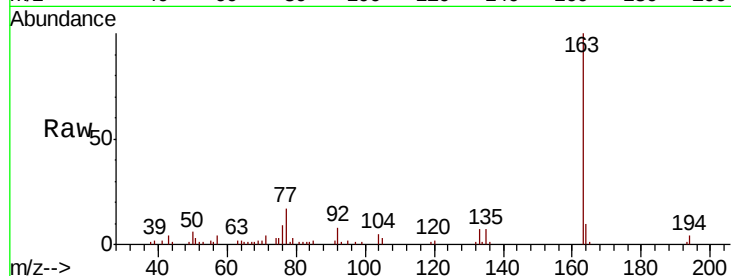




#50
Dimethylphthalate
Concen: 2.313 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118245.D
Acq: 18 Dec 2019 00:04

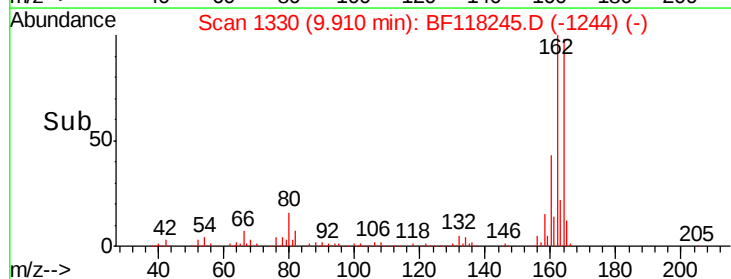
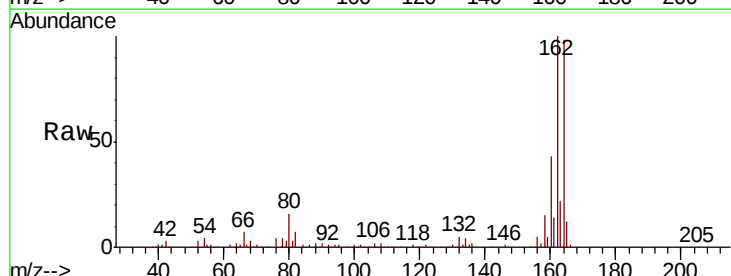
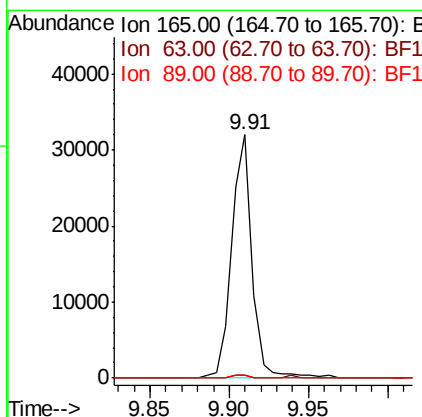
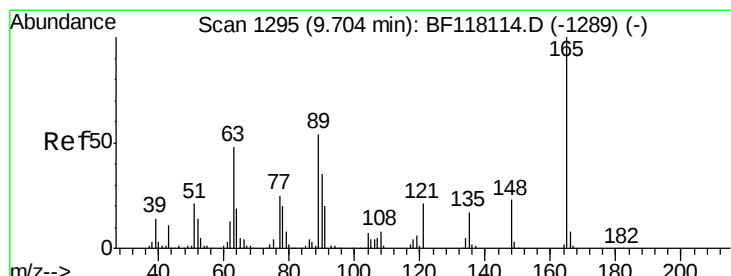
Instrument :
BNA_F
ClientSampled :

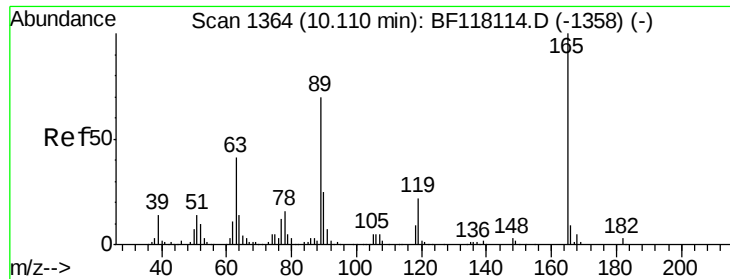
Tot Ion:163 Resp: 37713
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.1 7.7 11.5



#51
2,6-Dinitrotoluene
Concen: 8.067 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF118245.D
Acq: 18 Dec 2019 00:04

Tgt Ion:165 Resp: 28607
Ion Ratio Lower Upper
165 100
63 1.1 41.4 62.0#
89 1.2 42.9 64.3#

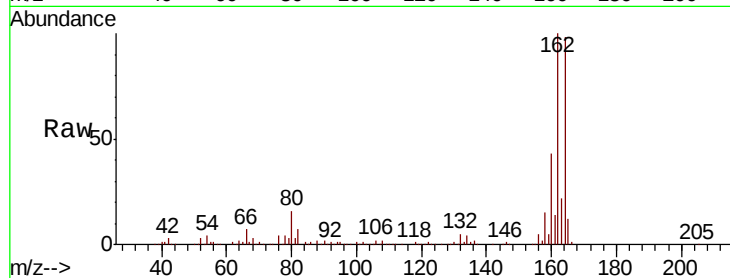




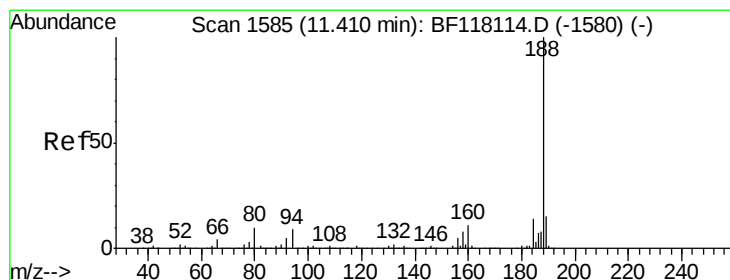
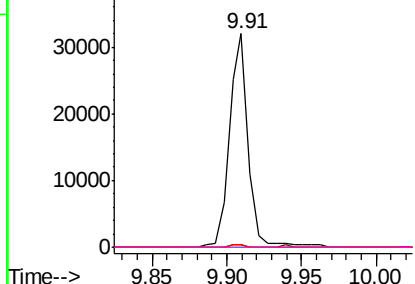
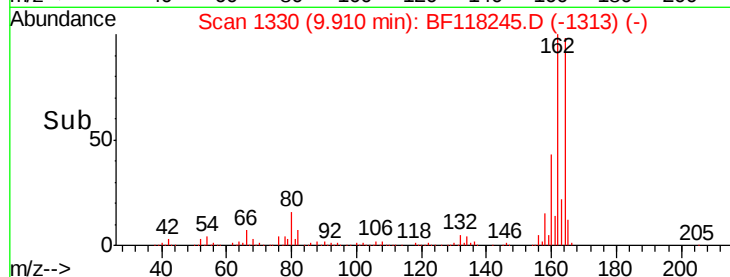
#57
 2,4-Dinitrotoluene
 Concen: 6.044 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118245.D
 Acq: 18 Dec 2019 00:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 28608
 Ion Ratio Lower Upper
 165 100
 63 1.1 32.6 49.0#
 89 1.2 56.1 84.1#
 182 0.0 2.1 3.1#

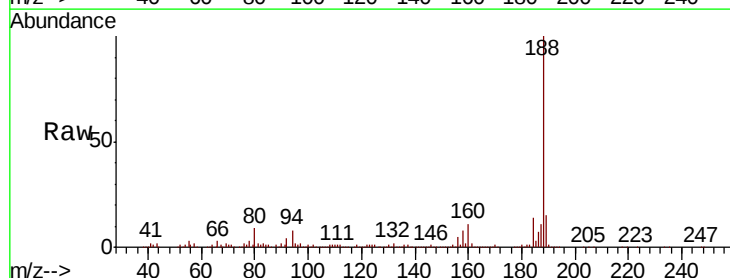


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

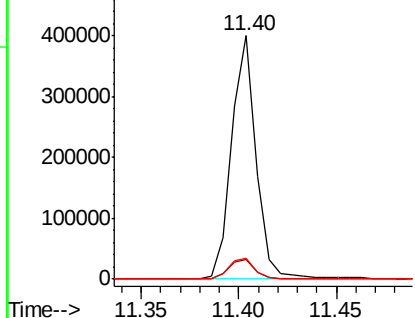
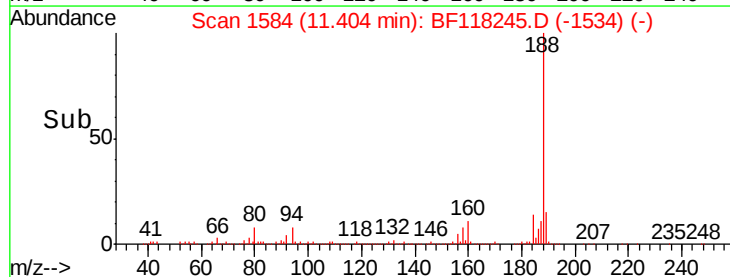


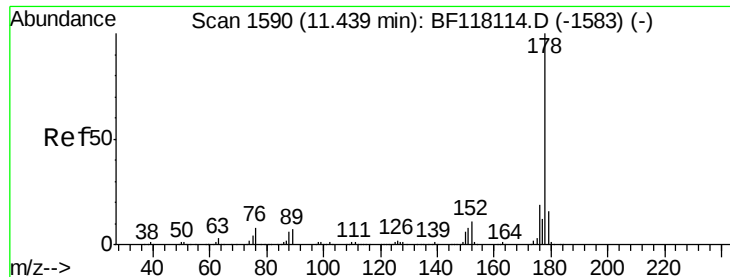
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118245.D
 Acq: 18 Dec 2019 00:04

Tgt Ion:188 Resp: 348239
 Ion Ratio Lower Upper
 188 100
 94 7.9 7.1 10.7
 80 8.5 7.9 11.9



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

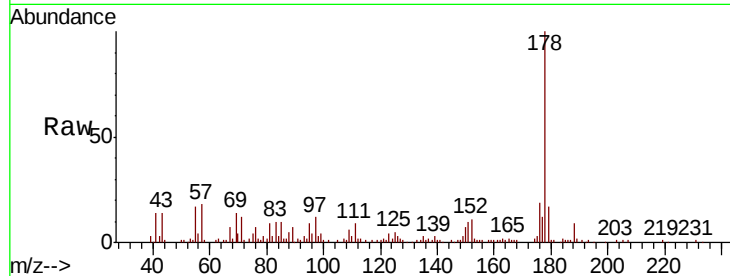




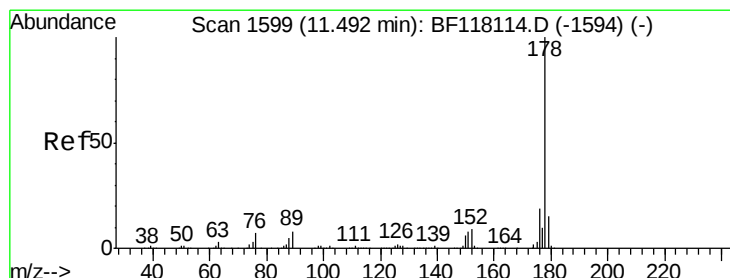
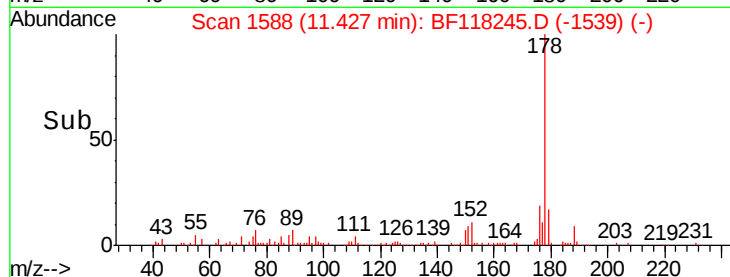
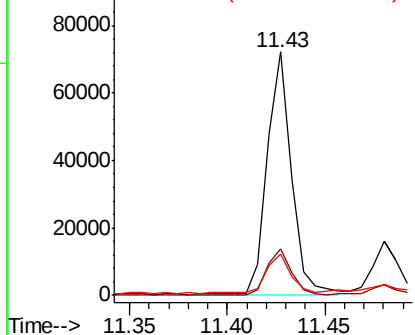
#71
Phenanthrene
Concen: 3.394 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118245.D
Acq: 18 Dec 2019 00:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 62837
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 17.2 12.6 18.8

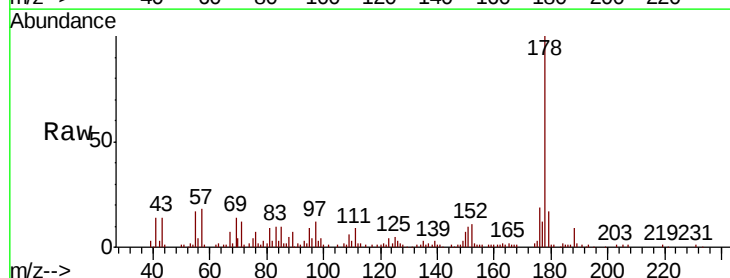


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

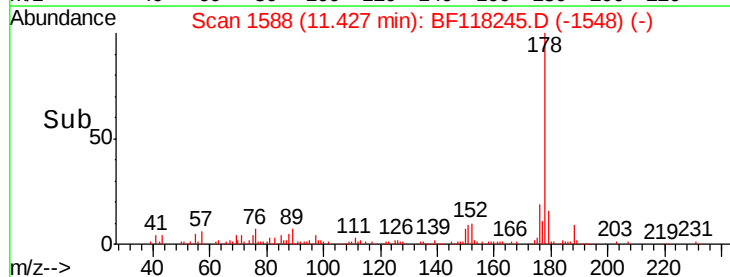
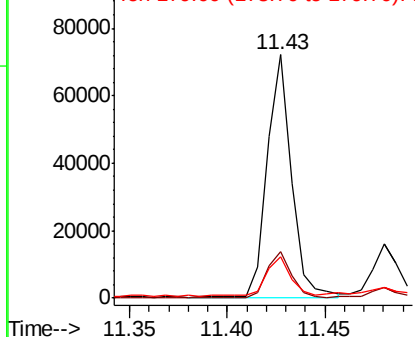


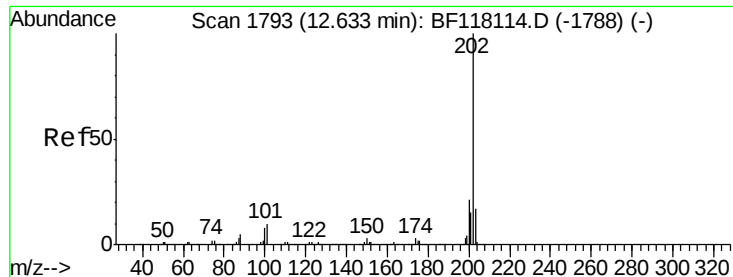
#72
Anthracene
Concen: 3.403 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.06 min
Lab File: BF118245.D
Acq: 18 Dec 2019 00:04

Tgt Ion:178 Resp: 62837
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 17.2 12.2 18.4



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: 6.155 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF118245.D

Acq: 18 Dec 2019 00:04

Instrument :

BNA_F

ClientSampleId :

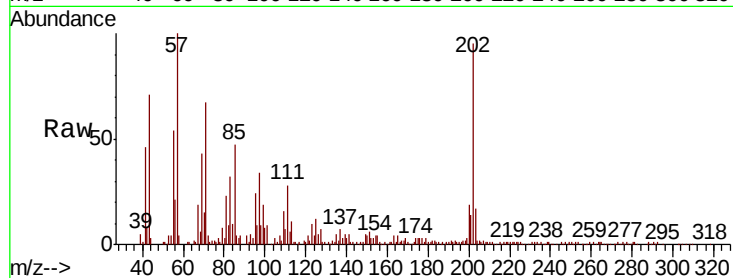
Tot Ion:202 Resp: 116488

Ion Ratio Lower Upper

202 100

101 9.1 0.0 30.4

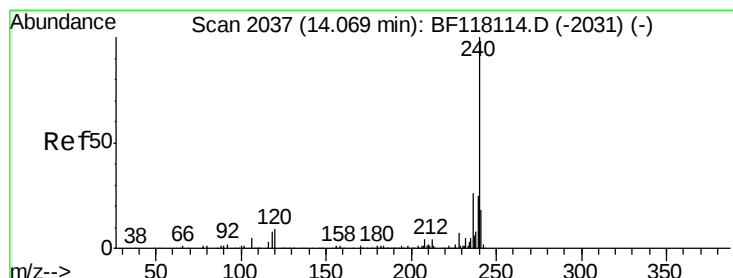
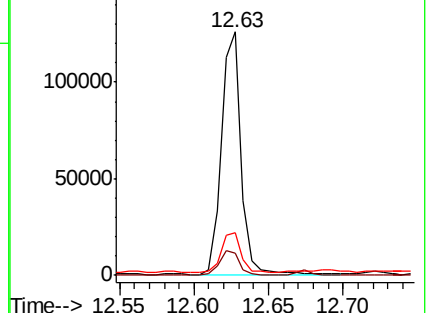
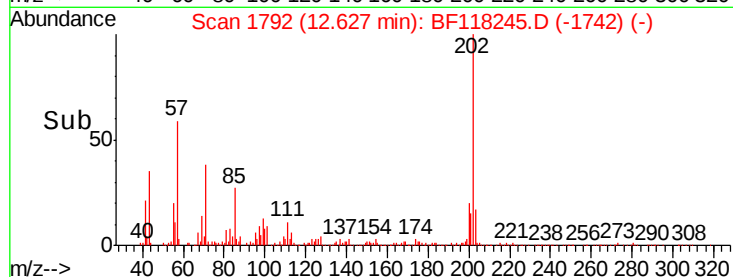
203 17.7 0.0 37.2



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF118245.D

Acq: 18 Dec 2019 00:04

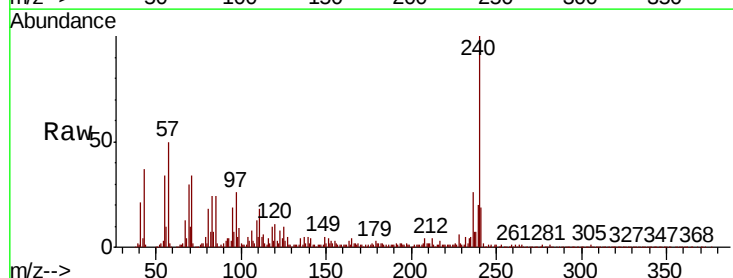
Tgt Ion:240 Resp: 255029

Ion Ratio Lower Upper

240 100

120 11.0 7.1 10.7#

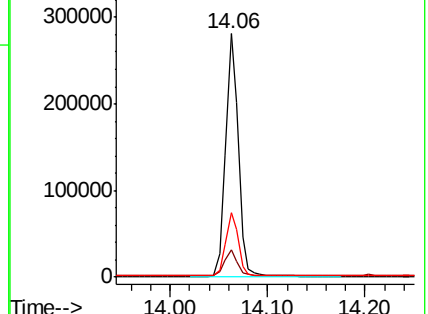
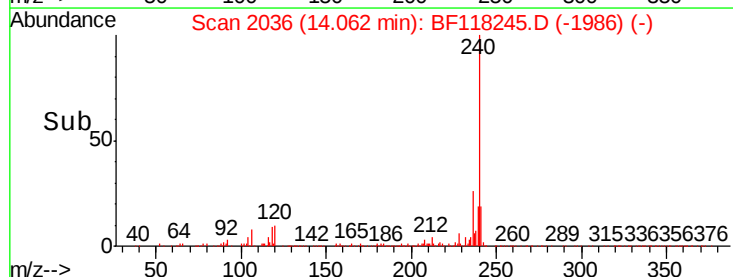
236 26.4 21.0 31.6

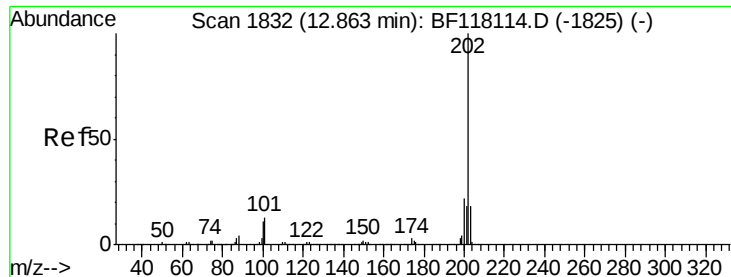


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.219 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF118245.D

Acq: 18 Dec 2019 00:04

Instrument :

BNA_F

ClientSampleId :

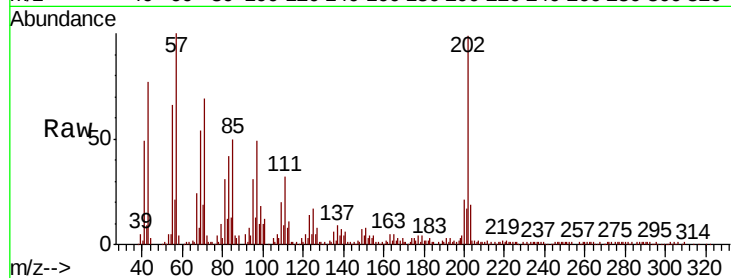
Tot Ion:202 Resp: 104886

Ion Ratio Lower Upper

202 100

200 20.9 17.5 26.3

203 19.5 14.6 21.8

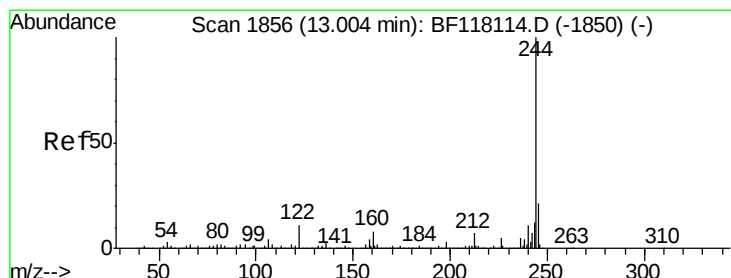
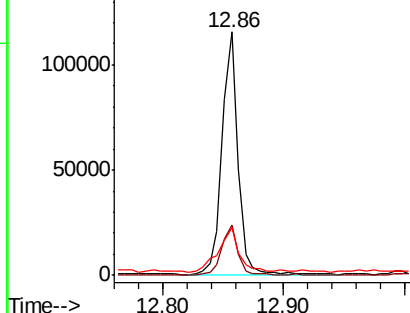
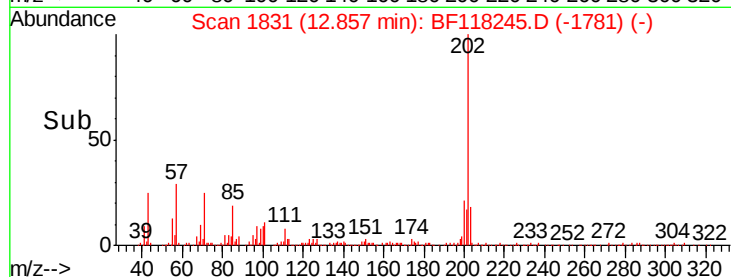


Abundance

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: 25.541 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118245.D

Acq: 18 Dec 2019 00:04

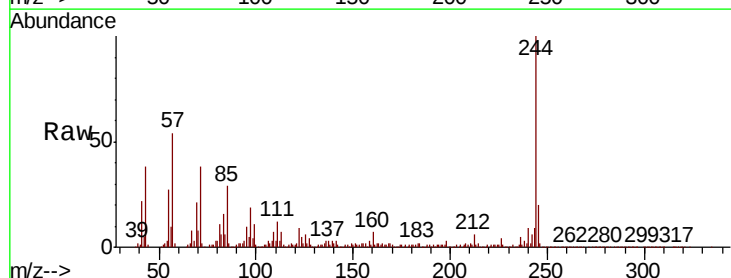
Tgt Ion:244 Resp: 378786

Ion Ratio Lower Upper

244 100

212 6.4 5.9 8.9

122 9.4 9.0 13.6

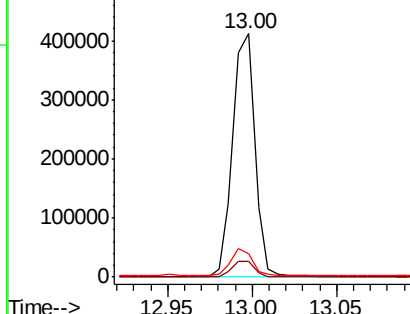
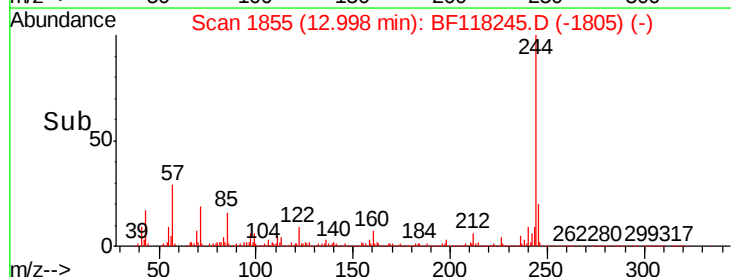


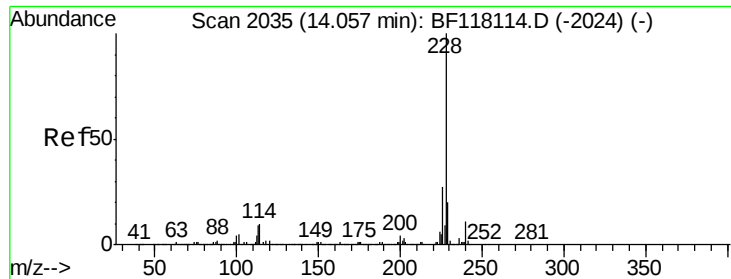
Abundance

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

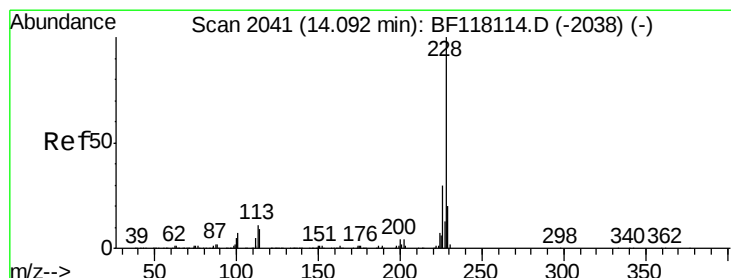
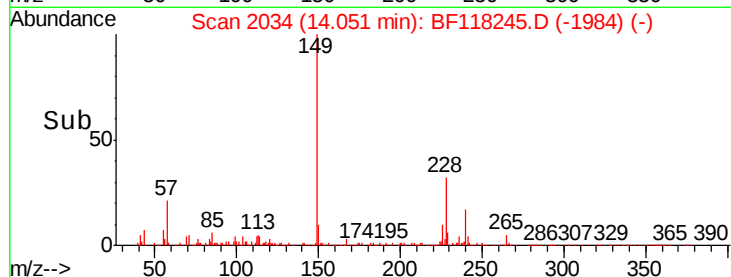
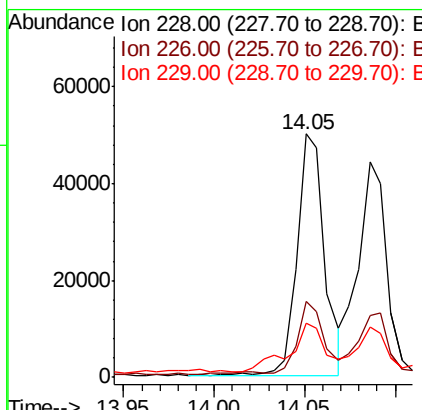
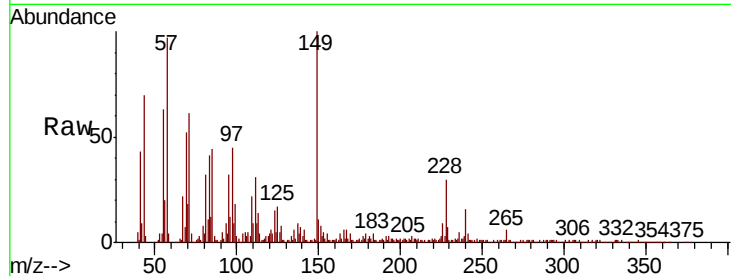




#81
Benzo(a)anthracene
Concen: 3.038 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF118245.D
Acq: 18 Dec 2019 00:04

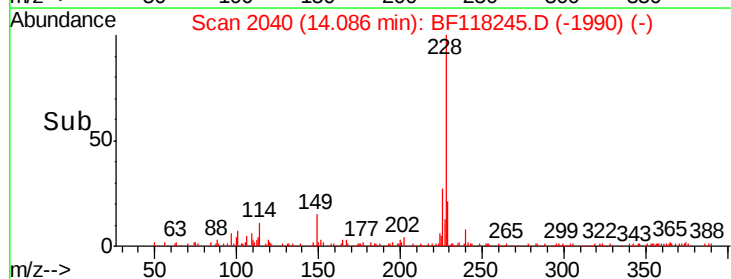
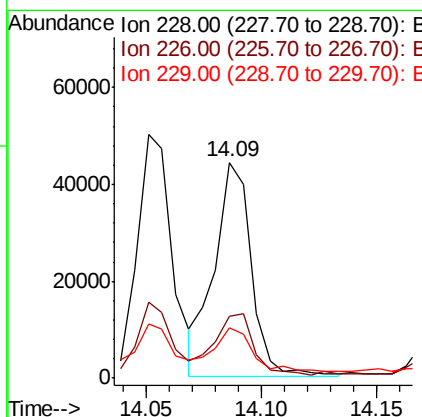
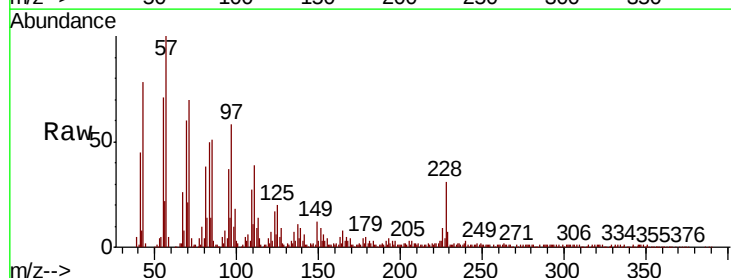
Instrument :
BNA_F
ClientSampleId :

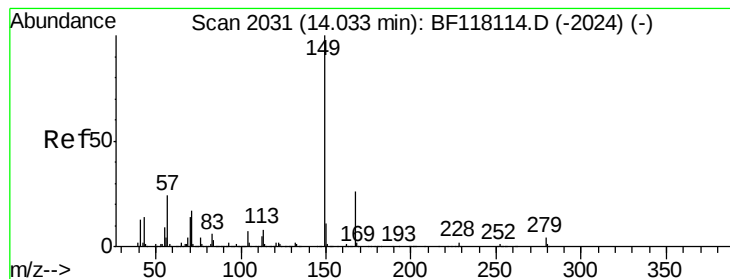
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.8	32.8
229	22.1	15.8	23.8



#83
Chrysene
Concen: 2.931 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF118245.D
Acq: 18 Dec 2019 00:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.8	35.8
229	23.4	15.7	23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 49.696 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF118245.D

Acq: 18 Dec 2019 00:04

Instrument :

BNA_F

ClientSampleId :

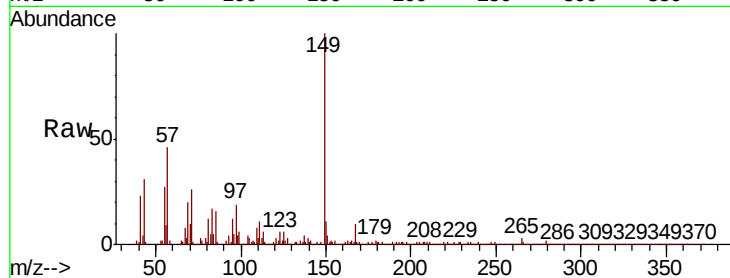
Tot Ion:149 Resp: 596434

Ion Ratio Lower Upper

149 100

167 9.9 20.8 31.2#

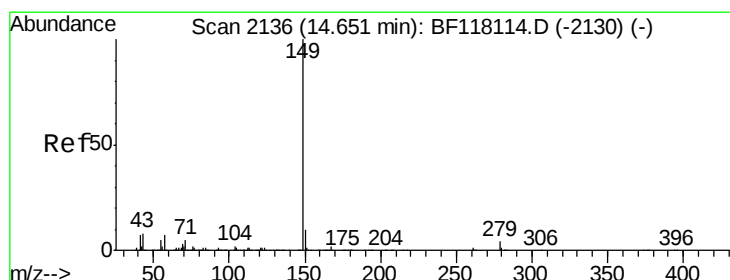
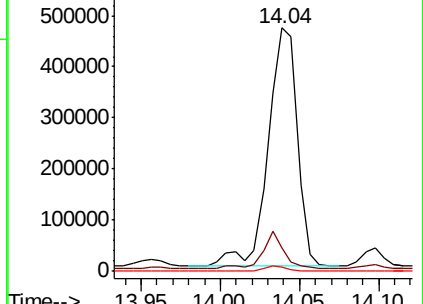
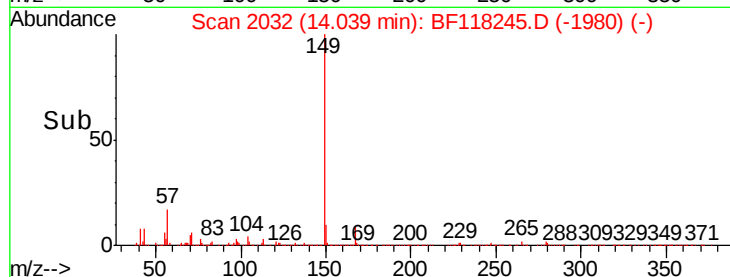
279 2.0 2.9 4.3#



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



#85

Di-n-octyl phthalate

Concen: 68.364 ng

RT: 14.66 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BF118245.D

Acq: 18 Dec 2019 00:04

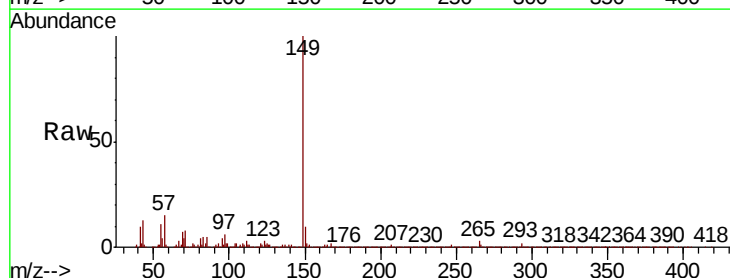
Tgt Ion:149 Resp: 1242883

Ion Ratio Lower Upper

149 100

167 2.8 1.3 1.9#

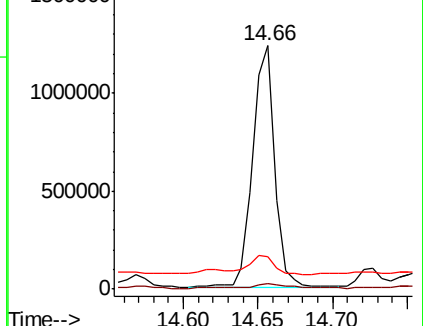
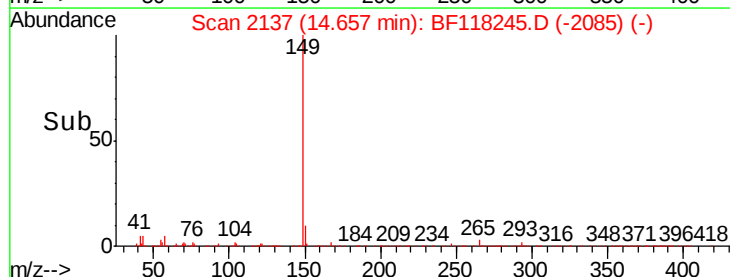
43 8.7 6.5 9.7

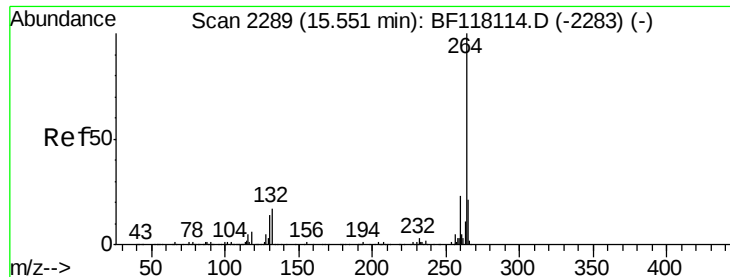


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BF118245.D

Acq: 18 Dec 2019 00:04

Instrument :

BNA_F

ClientSampleId :

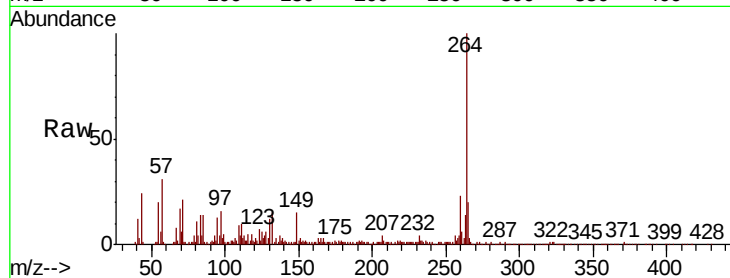
Tot Ion:264 Resp: 204960

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 20.2 16.8 25.2

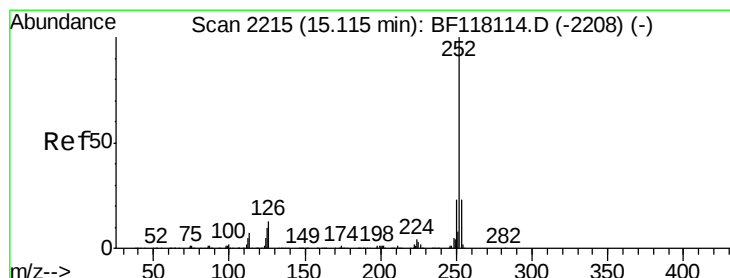
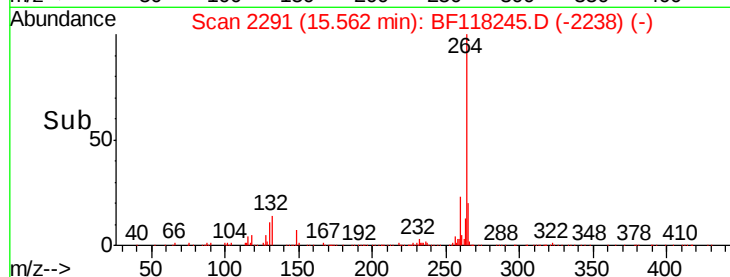
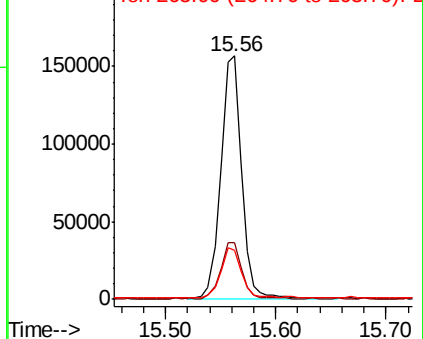


Abundance

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: 5.203 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BF118245.D

Acq: 18 Dec 2019 00:04

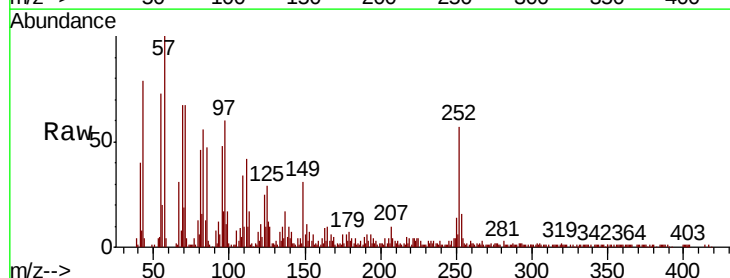
Tgt Ion:252 Resp: 70530

Ion Ratio Lower Upper

252 100

253 27.6 18.2 27.4#

125 51.9 8.3 12.5#

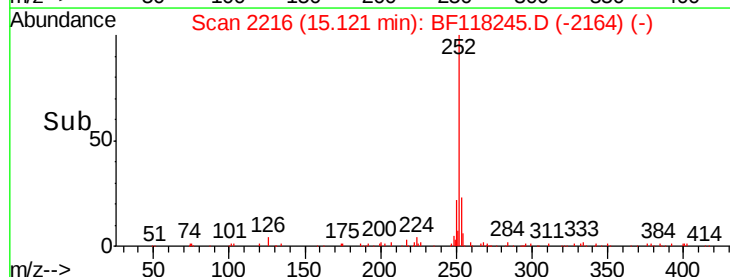
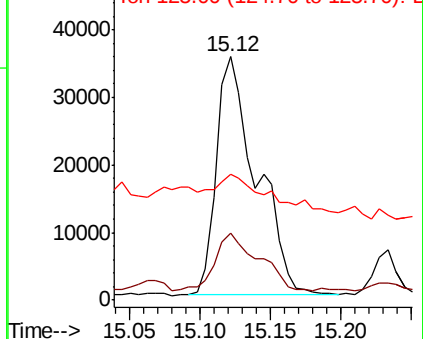


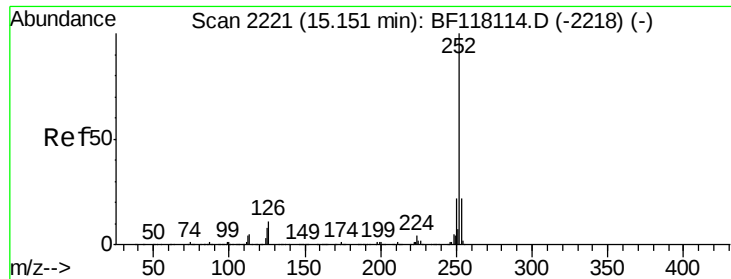
Abundance

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

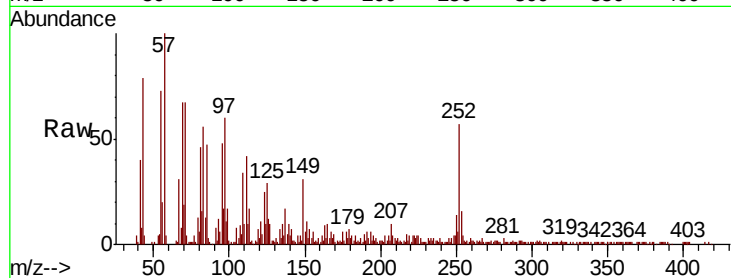




#89
Benzo(k)fluoranthene
Concen: 5.416 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.03 min
Lab File: BF118245.D
Acq: 18 Dec 2019 00:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.6	26.4#
125	51.9	6.7	10.1#

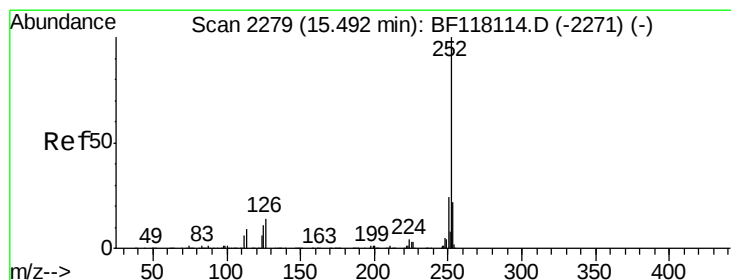
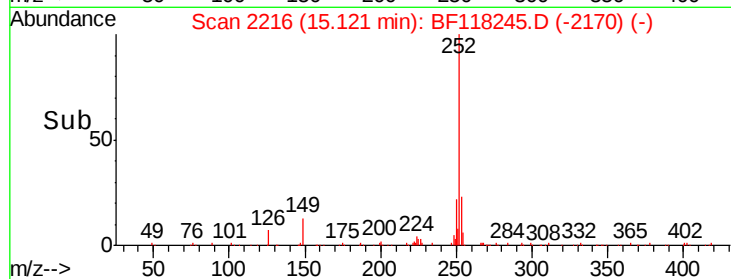
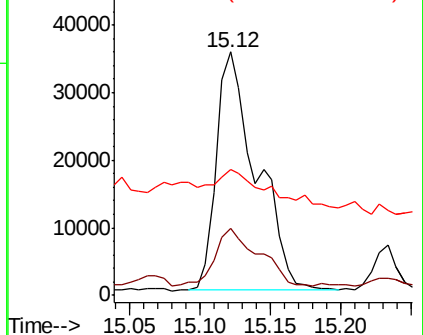


Abundance

Ion 252.00 (251.70 to 252.70): E

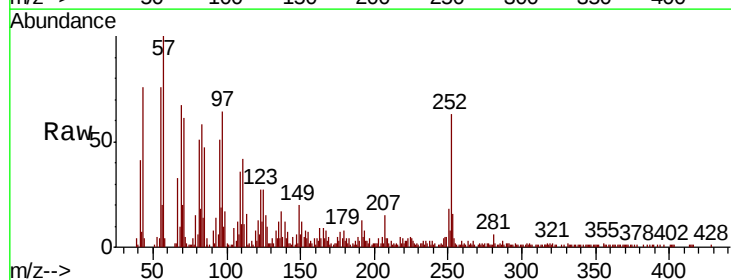
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.850 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF118245.D
Acq: 18 Dec 2019 00:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.5	26.3
125	43.2	9.1	13.7#

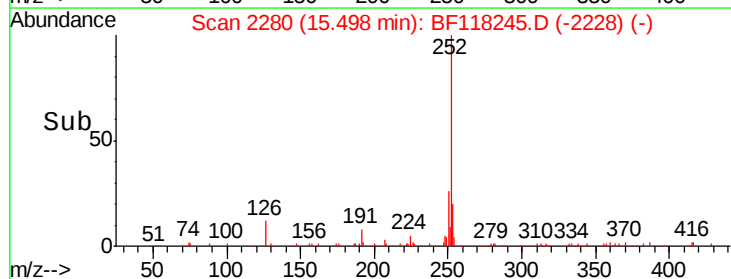
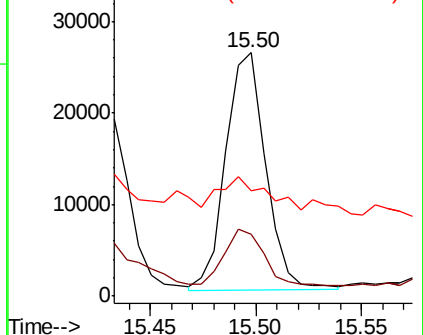


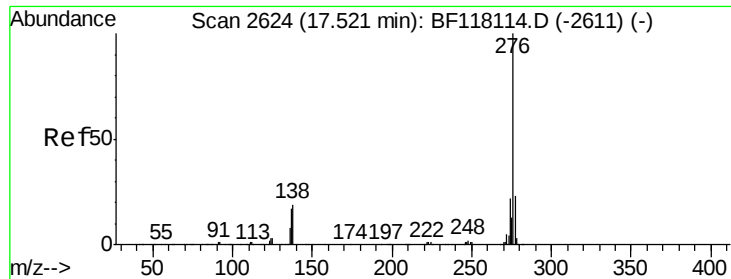
Abundance

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(a,h,i)perylene
 Concen: 2.381 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. -0.00 min
 Lab File: BF118245.D
 Acq: 18 Dec 2019 00:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.3	18.2	27.4
138	25.6	15.5	23.3

