

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118416.D
 Acq On : 31 Dec 2019 20:19
 Operator : JU
 Sample : K6463-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 01 00:36:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

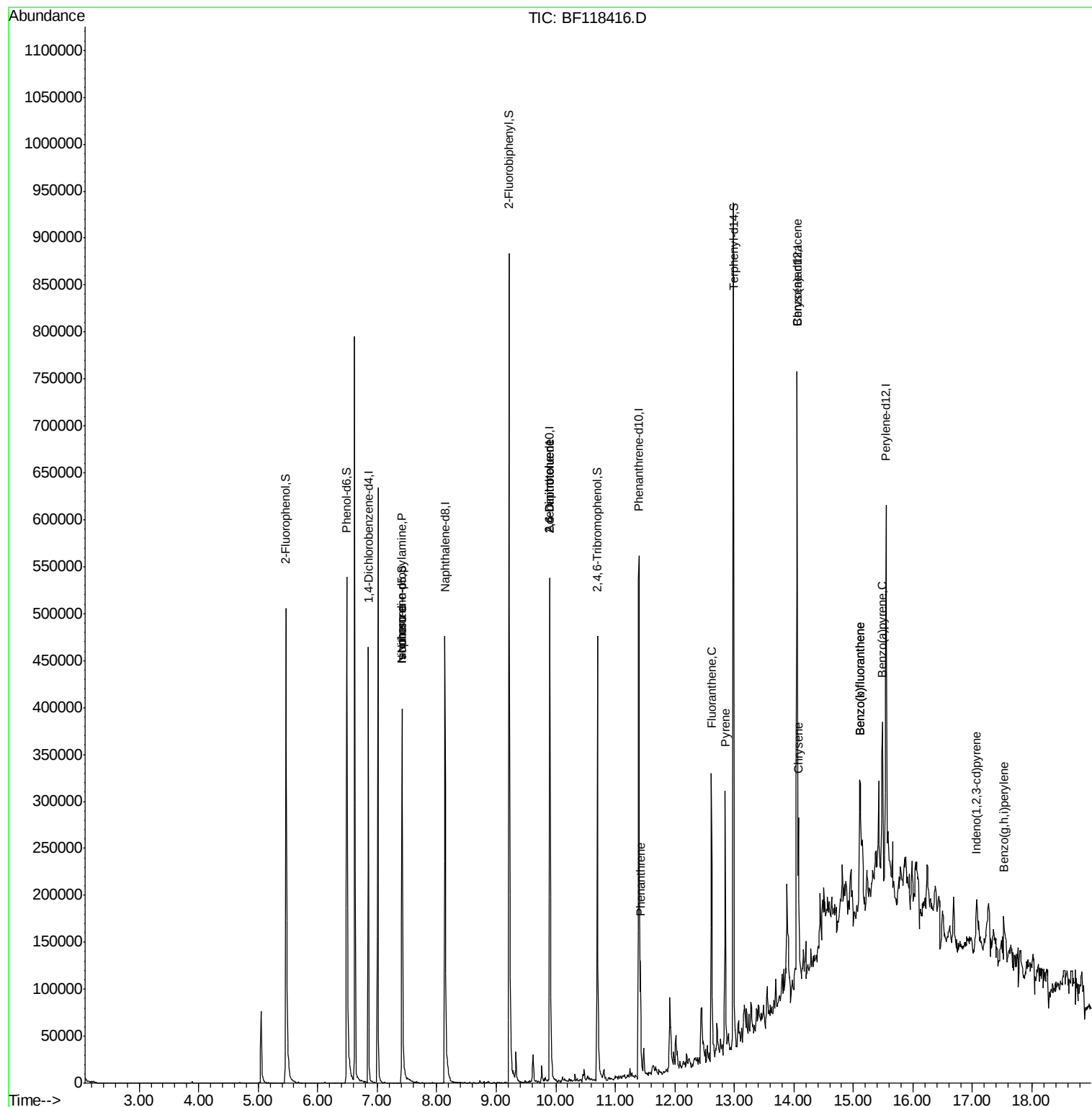
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	62806	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	262760	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	133530	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	239135	20.00	ng	0.00
76) Chrysene-d12	14.05	240	190508	20.00	ng	0.00
87) Perylene-d12	15.55	264	174294	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	168578	45.82	ng	0.00
7) Phenol-d6	6.49	99	218677	47.91	ng	0.00
23) Nitrobenzene-d5	7.42	82	157702	34.33	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	69473	42.13	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	315293	36.04	ng	0.00
79) Terphenyl-d14	12.99	244	313245	27.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	21449	7.628	ng	# 82
25) Isophorone	7.42	82	157701	19.696	ng	# 62
51) 2,6-Dinitrotoluene	9.90	165	17068	7.898	ng	# 24
57) 2,4-Dinitrotoluene	9.90	165	17069	5.911	ng	# 28
71) Phenanthrene	11.42	178	45701	3.506	ng	96
75) Fluoranthene	12.62	202	113486	8.626	ng	99
78) Pyrene	12.84	202	111990	7.199	ng	98
81) Benzo(a)anthracene	14.04	228	74150	5.561	ng	98
83) Chrysene	14.08	228	70541	5.525	ng	99
86) Indeno(1,2,3-cd)pyrene	17.07	276	32268	2.966	ng	# 92
88) Benzo(b)fluoranthene	15.11	252	109538	9.468	ng	94
89) Benzo(k)fluoranthene	15.11	252	109538	9.860	ng	96
90) Benzo(a)pyrene	15.49	252	65712	6.447	ng	95
92) Benzo(a,h,i)perylene	17.53	276	33277	3.895	ng	92

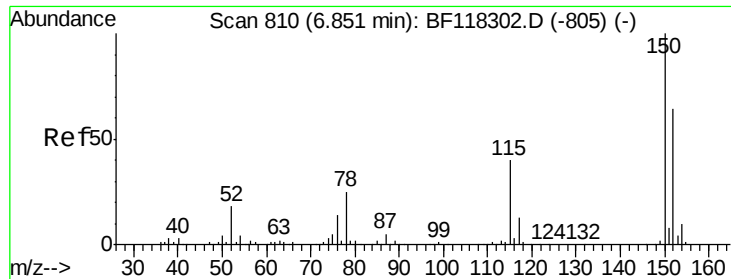
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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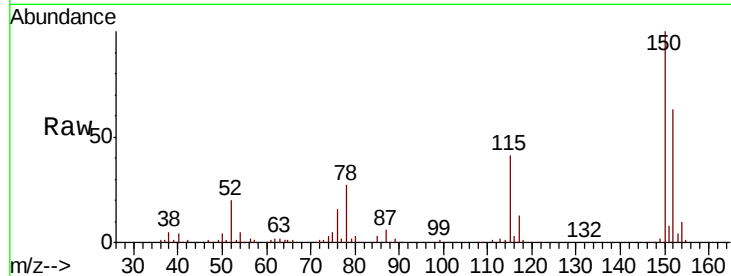


#1

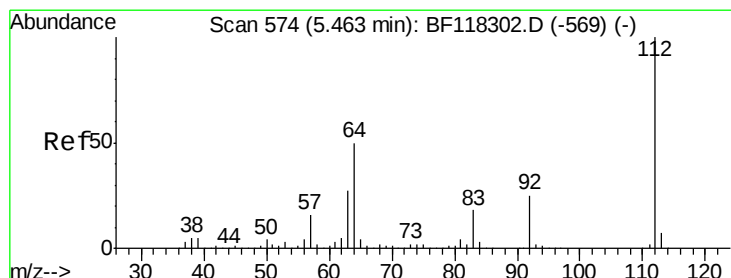
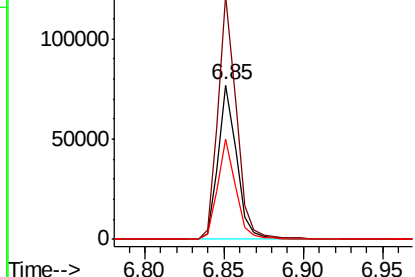
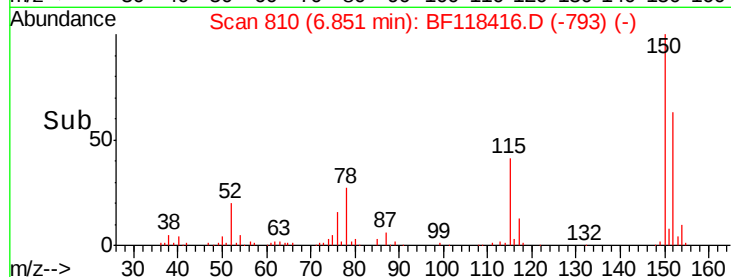
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 62806
Ion Ratio Lower Upper
152 100
150 157.6 125.4 188.2
115 64.7 50.2 75.4



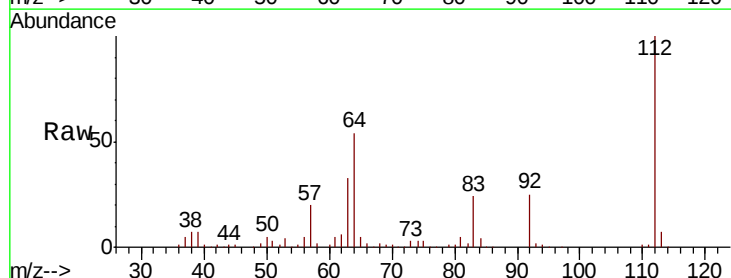
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



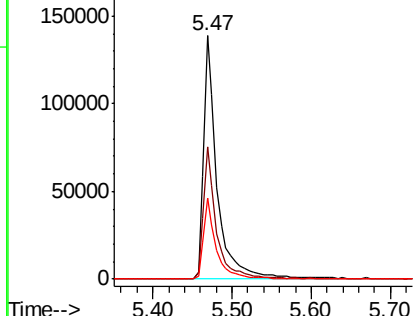
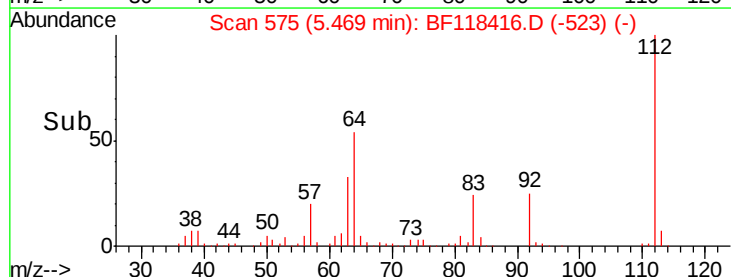
#5

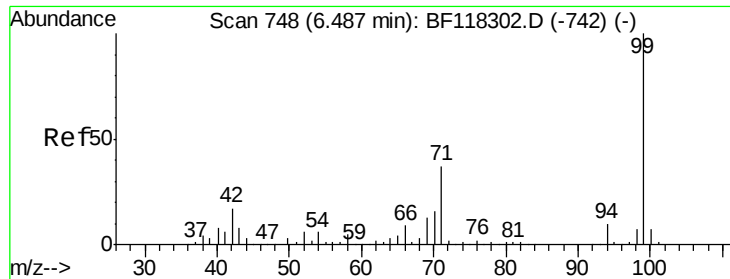
2-Fluorophenol
Concen: 45.817 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Tgt Ion:112 Resp: 168578
Ion Ratio Lower Upper
112 100
64 54.3 39.7 59.5
63 33.2 21.7 32.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 47.910 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Instrument :

BNA_F

ClientSampled :

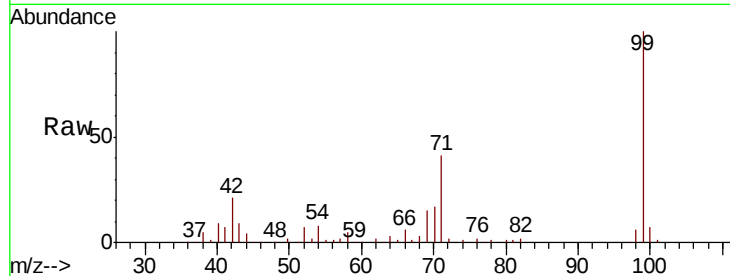
Tot Ion: 99 Resp: 218677

Ion Ratio Lower Upper

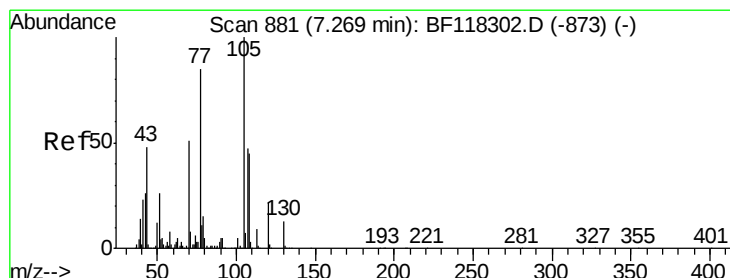
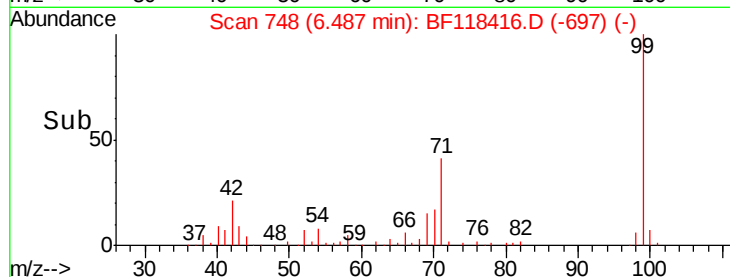
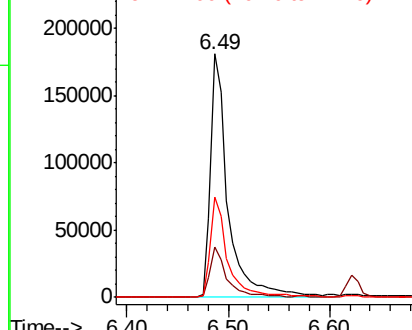
99 100

42 20.9 13.5 20.3#

71 41.3 29.4 44.2



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: 7.628 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Tgt Ion: 70 Resp: 21449

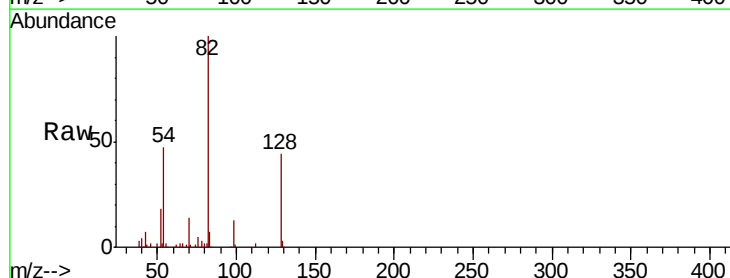
Ion Ratio Lower Upper

70 100

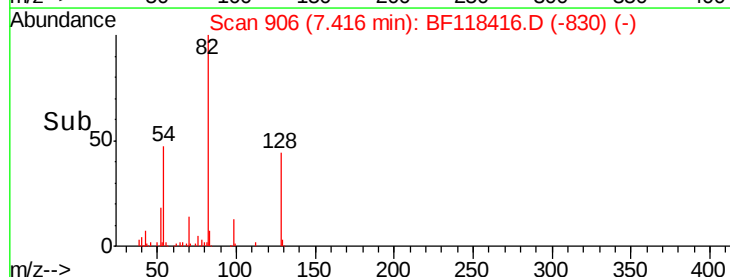
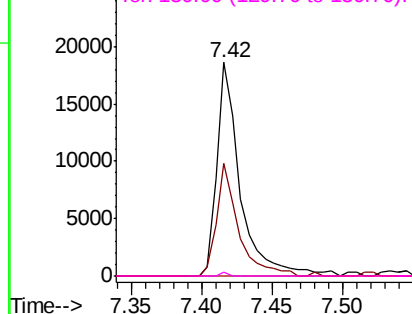
42 52.5 41.1 61.7

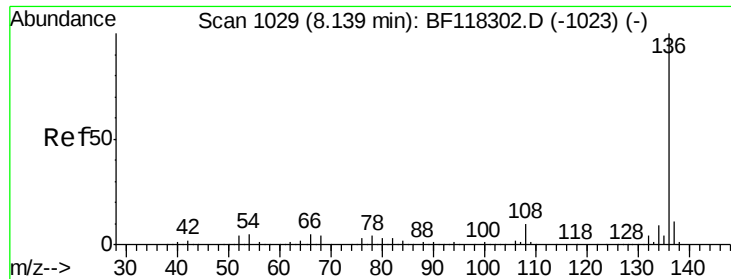
101 0.0 8.3 12.5#

130 1.9 20.1 30.1#



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: 8.14 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 262760

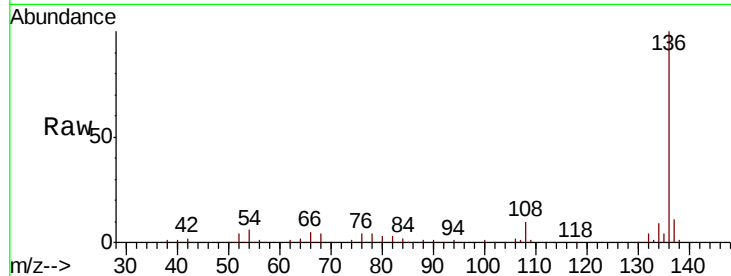
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 5.5 4.2 6.4

68 3.9 3.5 5.3

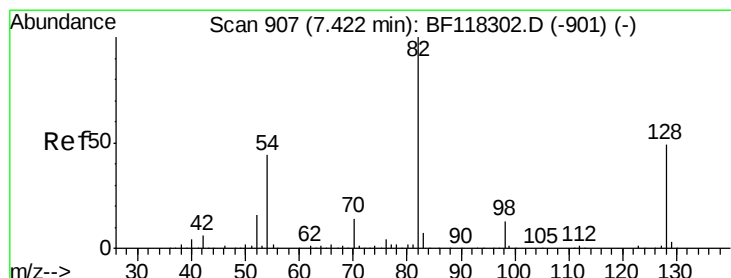
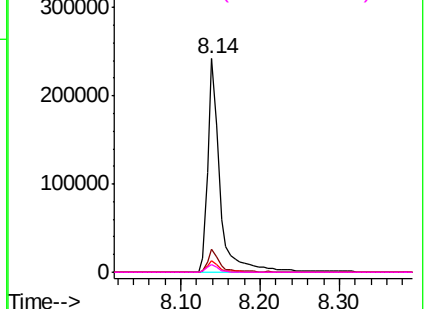
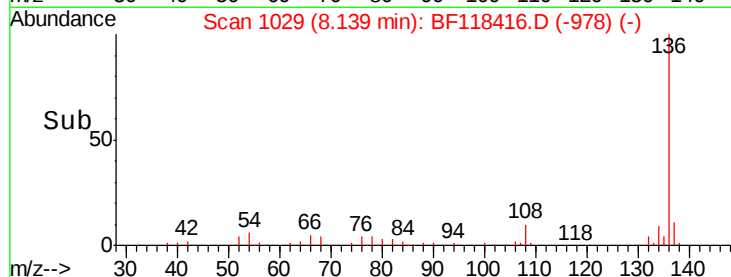


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.327 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

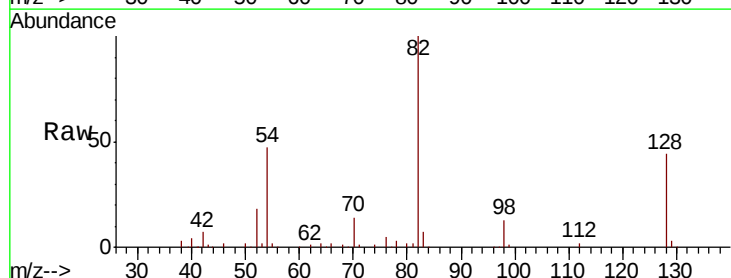
Tgt Ion: 82 Resp: 157702

Ion Ratio Lower Upper

82 100

128 44.1 39.6 59.4

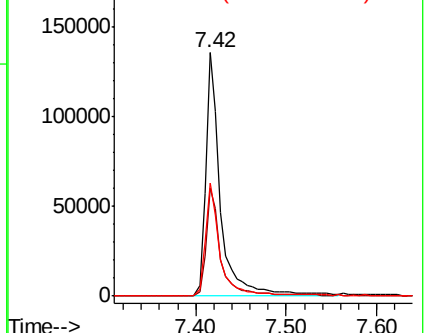
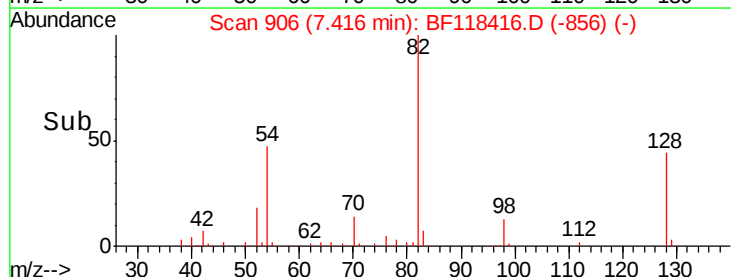
54 46.6 34.9 52.3

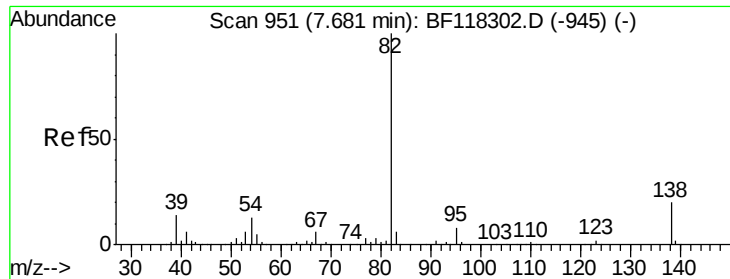


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 19.696 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Instrument :

BNA_F

ClientSampleId :

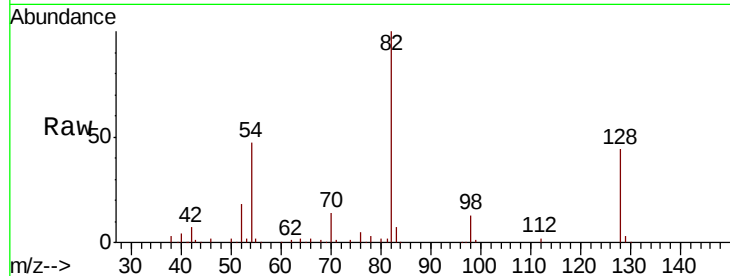
Tot Ion: 82 Resp: 157701

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

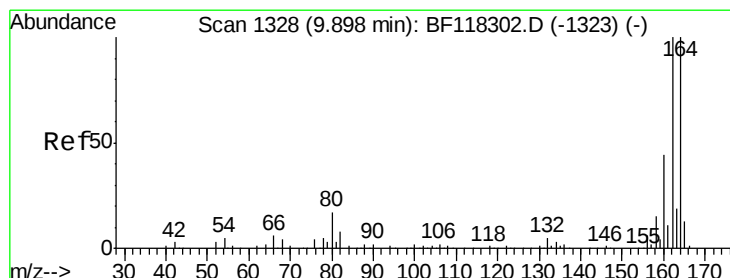
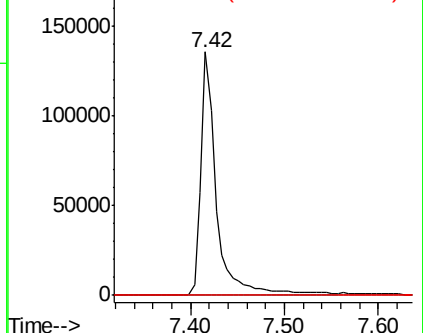
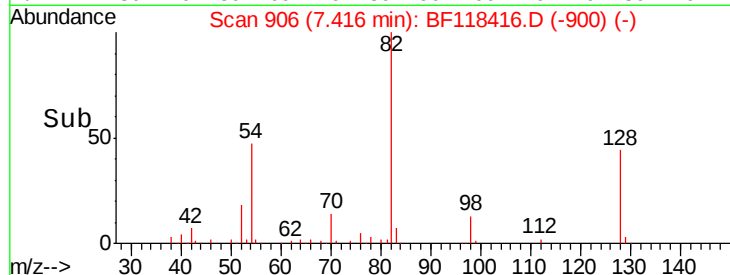
138 0.0 16.2 24.2#



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: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

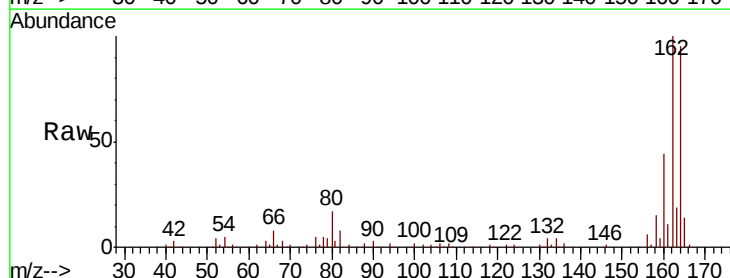
Tgt Ion:164 Resp: 133530

Ion Ratio Lower Upper

164 100

162 105.4 80.0 120.0

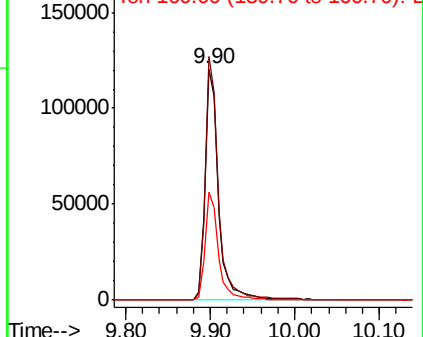
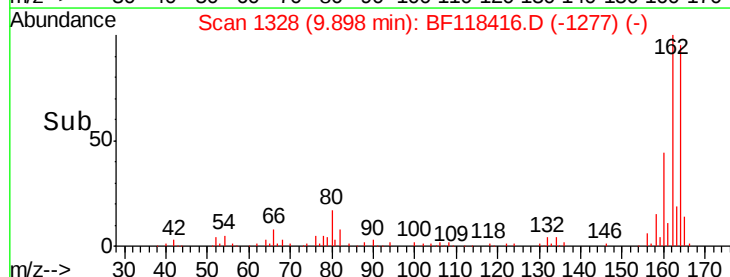
160 46.6 34.8 52.2

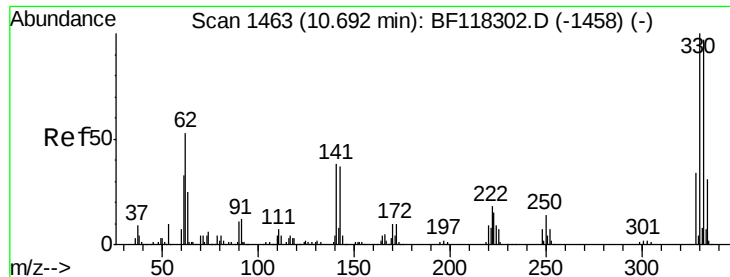


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

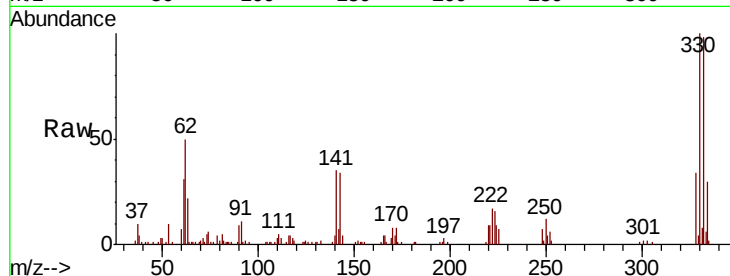




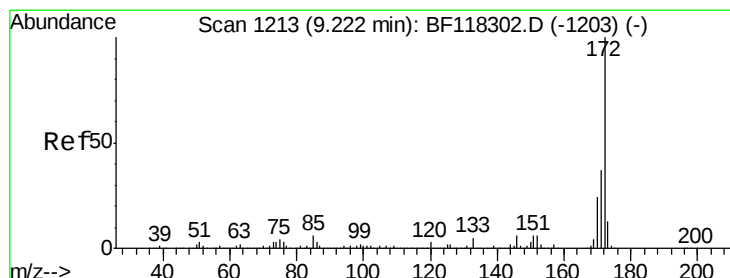
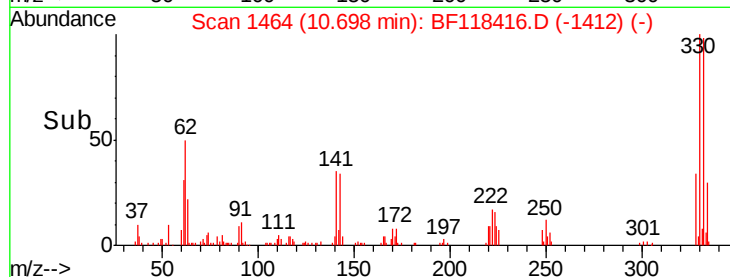
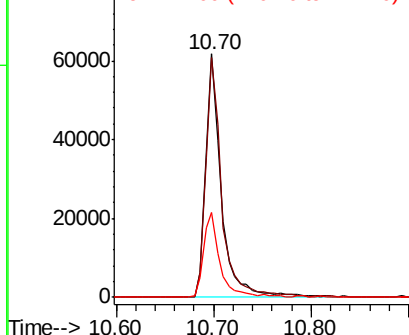
#42
 2,4,6-Tribromophenol
 Concen: 42.130 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118416.D
 Acq: 31 Dec 2019 20:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 69473
 Ion Ratio Lower Upper
 330 100
 332 99.1 76.6 114.8
 141 35.9 26.0 39.0

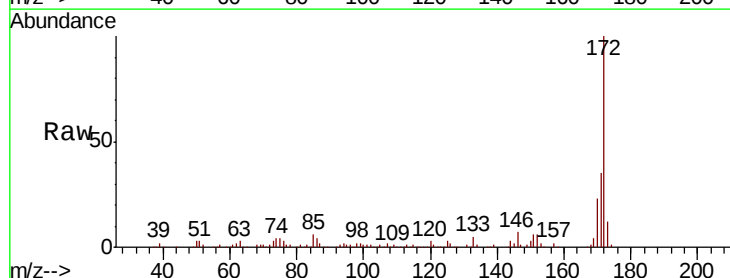


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

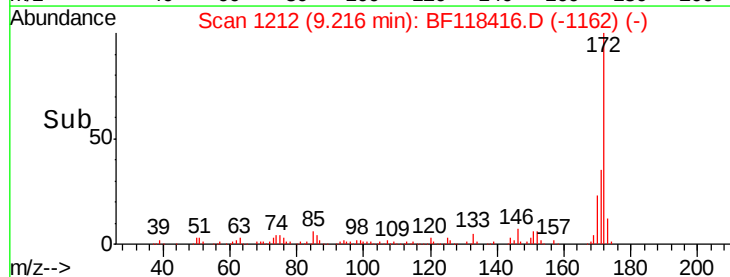
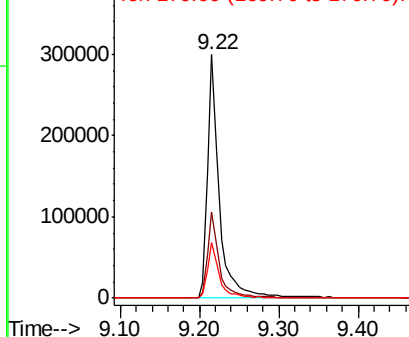


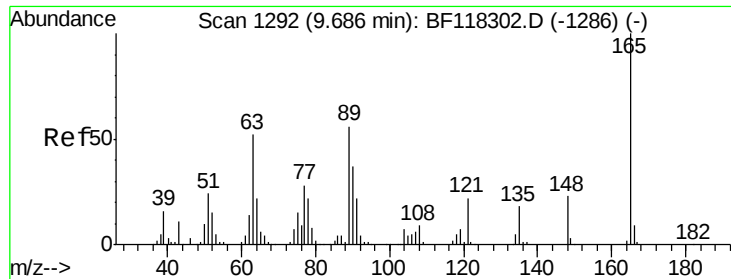
#45
 2-Fluorobiphenyl
 Concen: 36.043 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118416.D
 Acq: 31 Dec 2019 20:19

Tgt Ion:172 Resp: 315293
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.3 43.9
 170 22.6 19.2 28.8



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





#51

2,6-Dinitrotoluene

Concen: 7.898 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Instrument :

BNA_F

ClientSampleId :

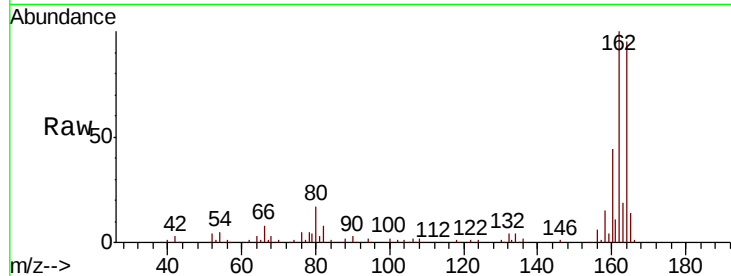
Tot Ion:165 Resp: 17068

Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

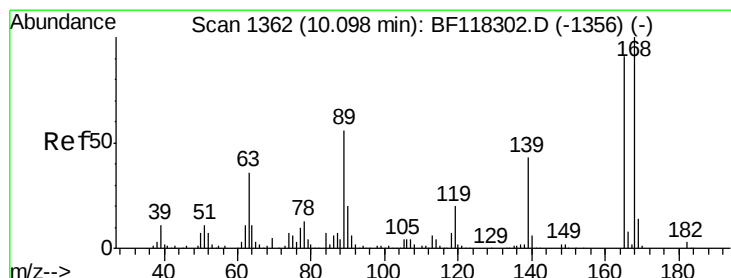
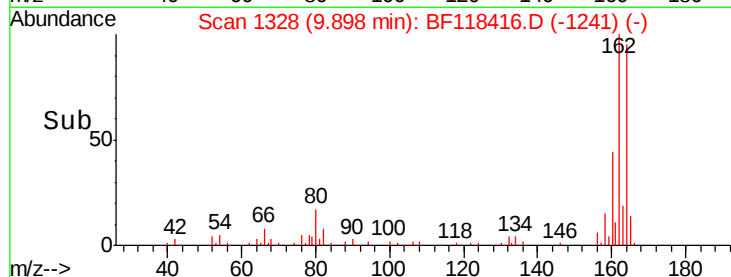
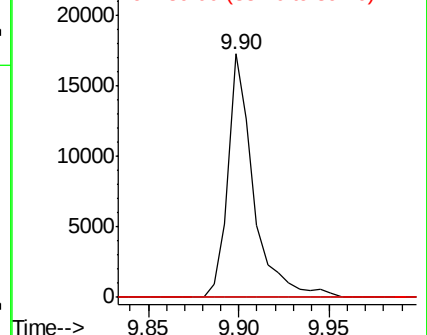
89 0.0 44.4 66.6#



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



#57

2,4-Dinitrotoluene

Concen: 5.911 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Tgt Ion:165 Resp: 17069

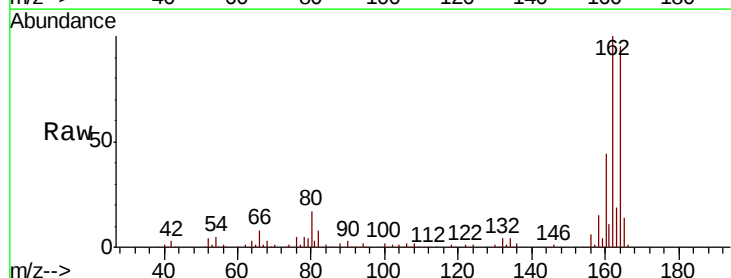
Ion Ratio Lower Upper

165 100

63 0.0 32.0 48.0#

89 0.0 49.3 73.9#

182 0.0 2.4 3.6#

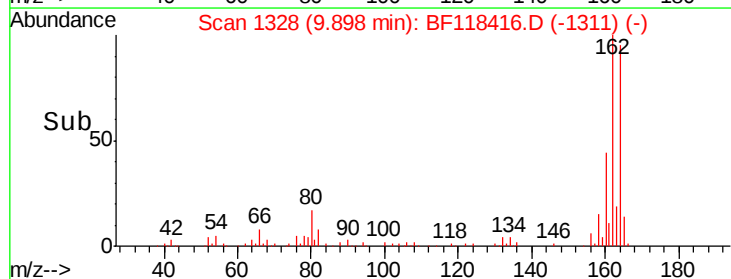
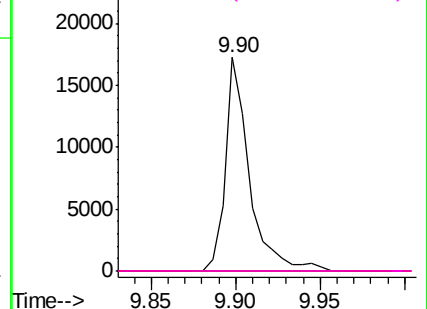


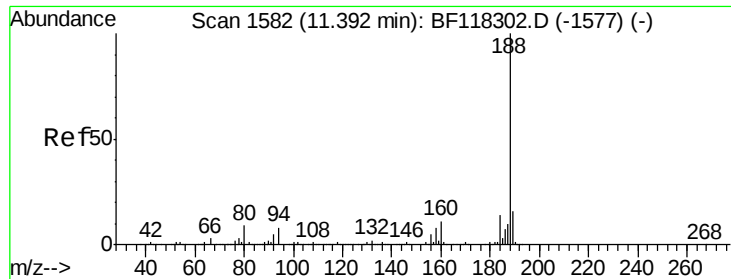
Abundance Ion 165.00 (164.70 to 165.70): E

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

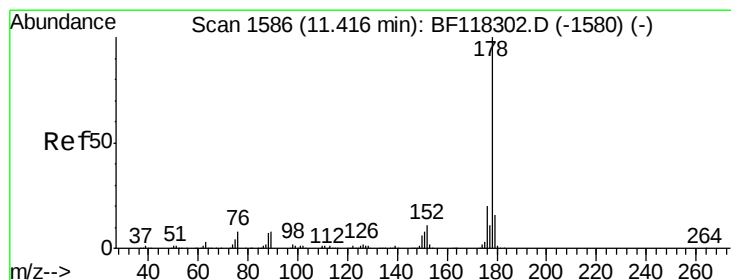
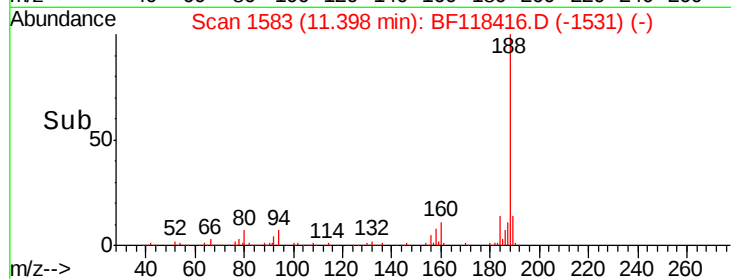
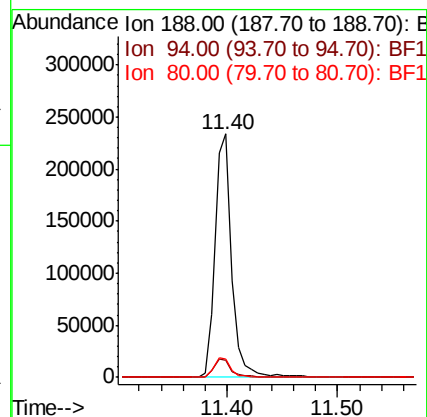
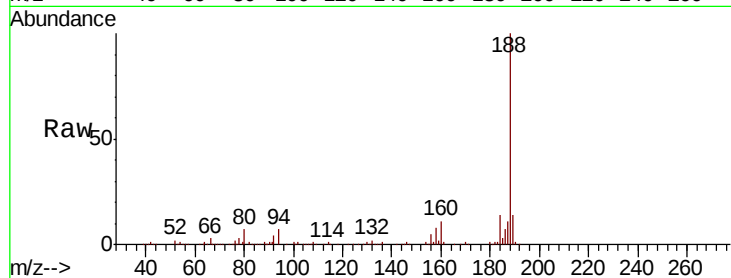




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

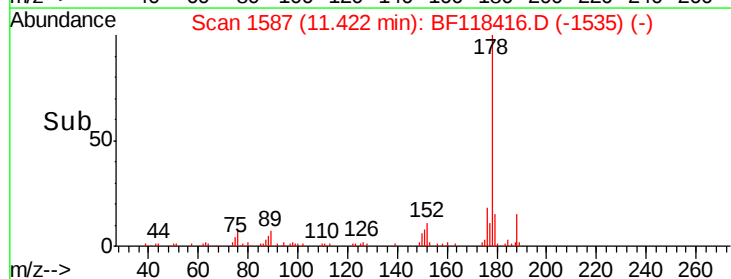
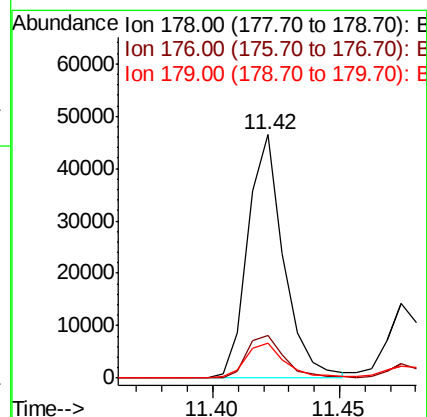
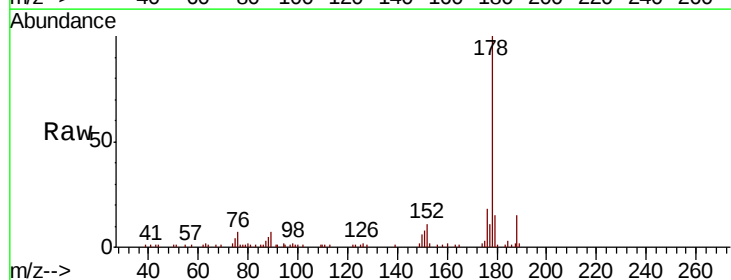
Instrument :
BNA_F
ClientSampleId :

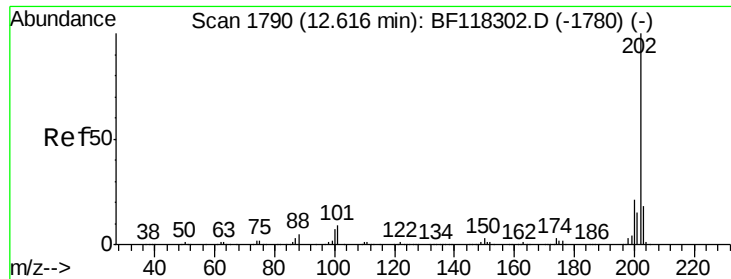
Tot Ion:188 Resp: 239135
Ion Ratio Lower Upper
188 100
94 7.1 6.7 10.1
80 7.5 7.2 10.8



#71
Phenanthrene
Concen: 3.506 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Tgt Ion:178 Resp: 45701
Ion Ratio Lower Upper
178 100
176 17.6 15.6 23.4
179 14.6 12.6 19.0





#75

Fluoranthene

Concen: 8.626 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Instrument :

BNA_F

ClientSampleId :

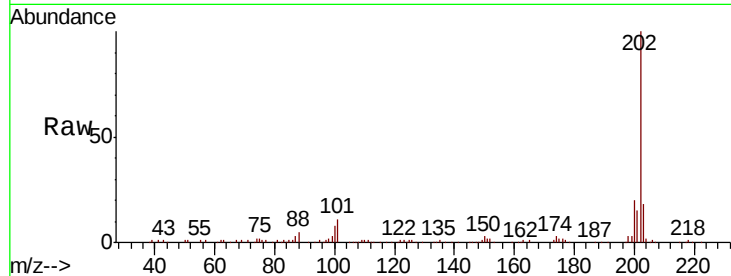
Tot Ion:202 Resp: 113486

Ion Ratio Lower Upper

202 100

101 10.5 0.0 29.5

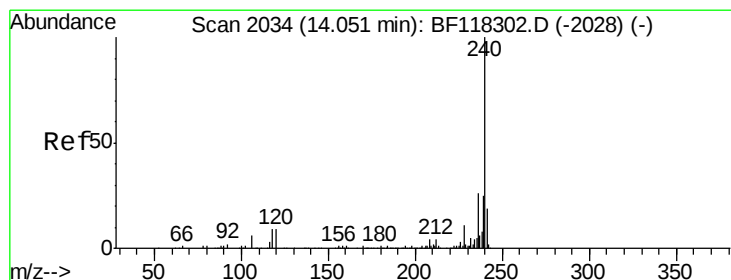
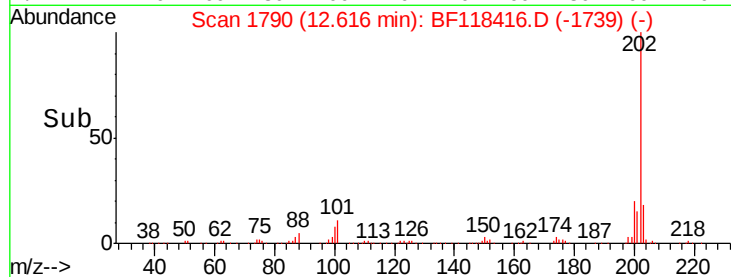
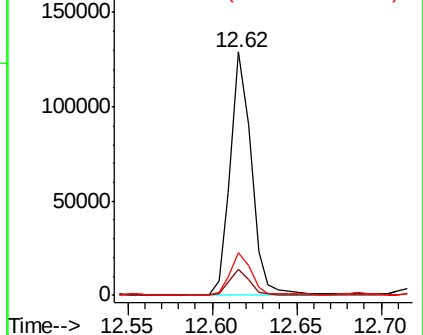
203 17.6 0.0 37.6



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: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

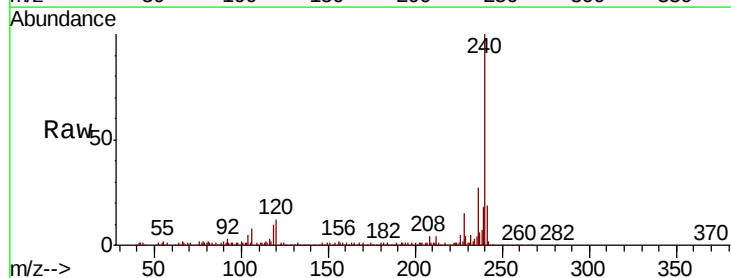
Tgt Ion:240 Resp: 190508

Ion Ratio Lower Upper

240 100

120 11.7 7.1 10.7#

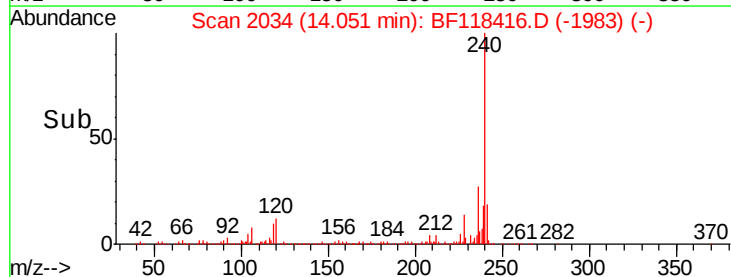
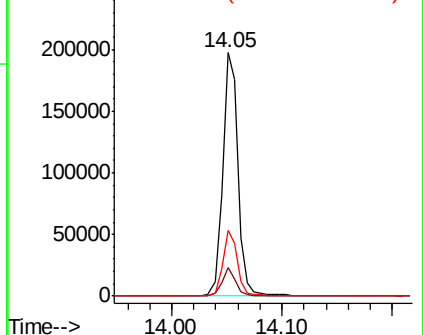
236 26.9 21.0 31.6

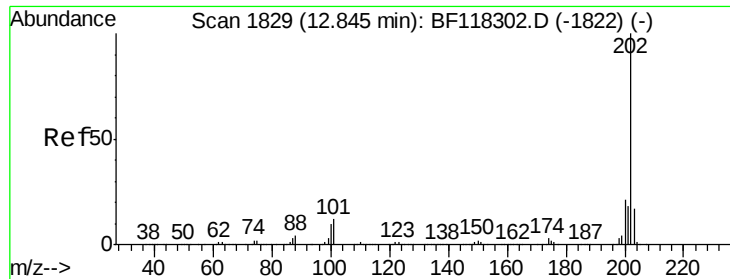


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

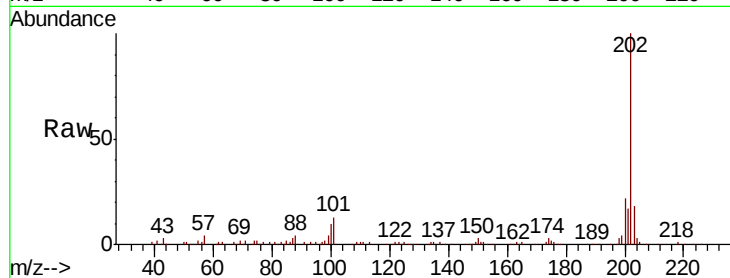




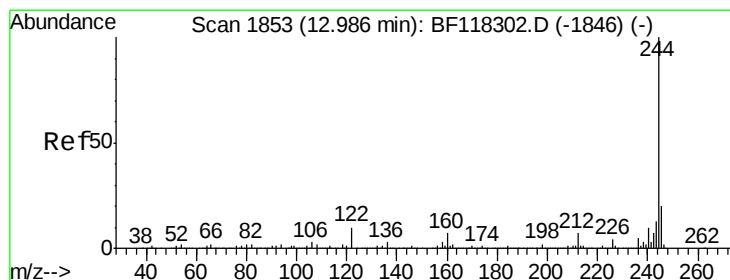
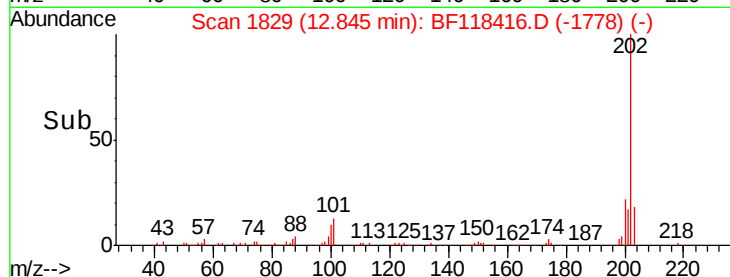
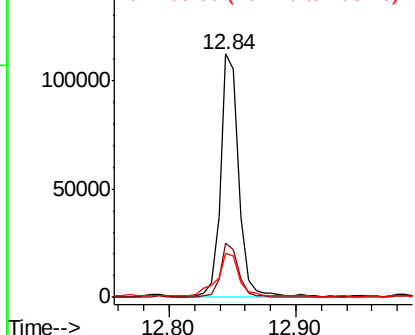
#78
Pvrene
Concen: 7.199 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.8	25.2
203	17.9	13.9	20.9

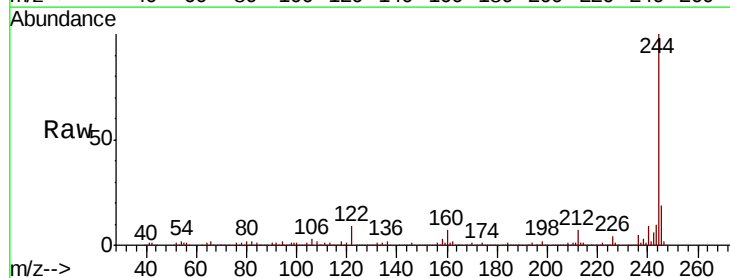


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

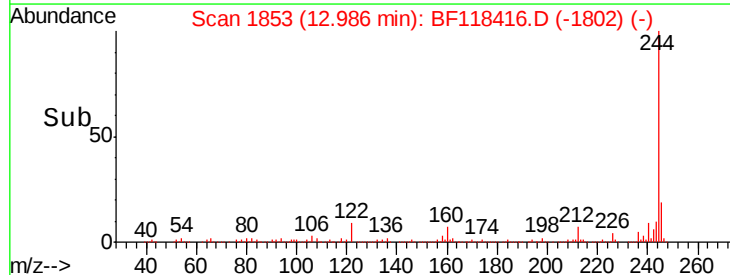
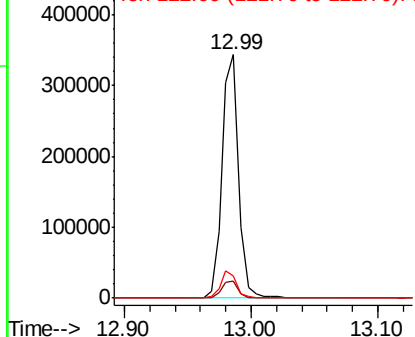


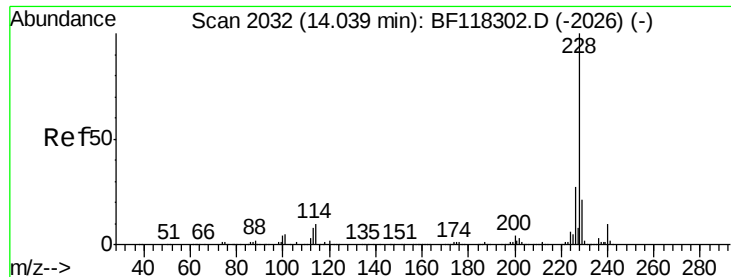
#79
Terphenyl-d14
Concen: 27.279 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	9.0	7.8	11.8



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: 5.561 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Instrument :

BNA_F

ClientSampleId :

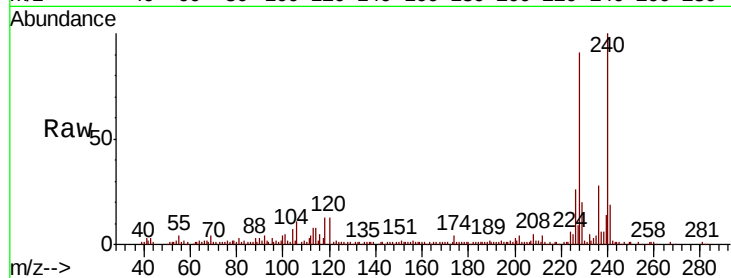
Tot Ion:228 Resp: 74150

Ion Ratio Lower Upper

228 100

226 28.2 22.0 33.0

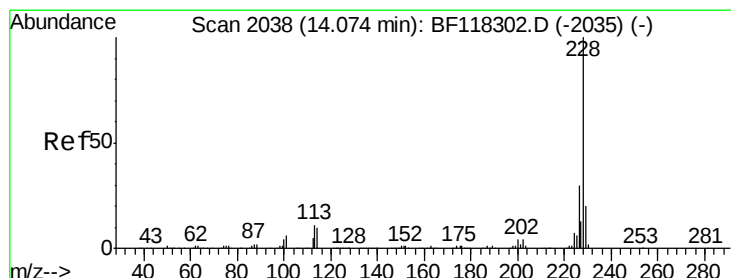
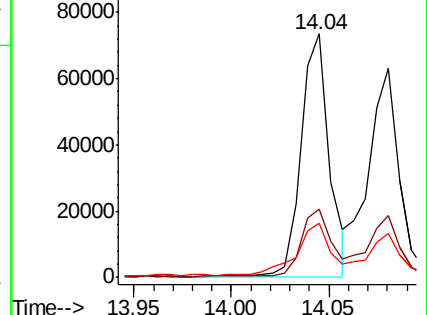
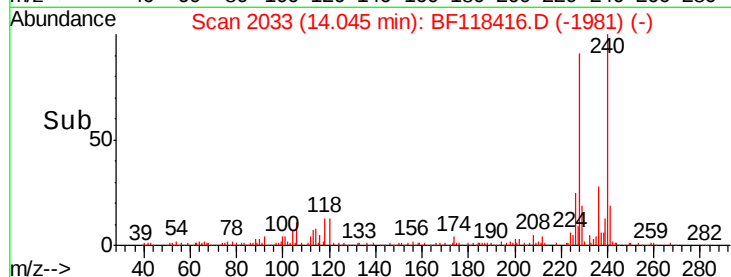
229 22.0 16.6 24.8



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



#83

Chrysene

Concen: 5.525 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

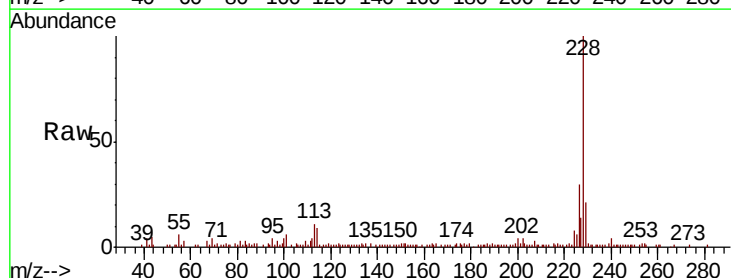
Tgt Ion:228 Resp: 70541

Ion Ratio Lower Upper

228 100

226 29.5 23.9 35.9

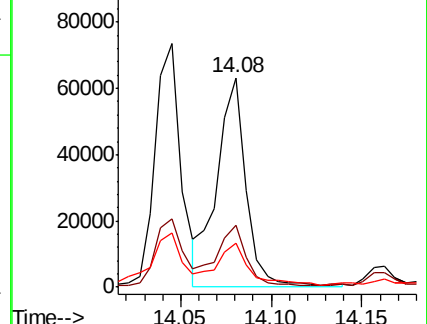
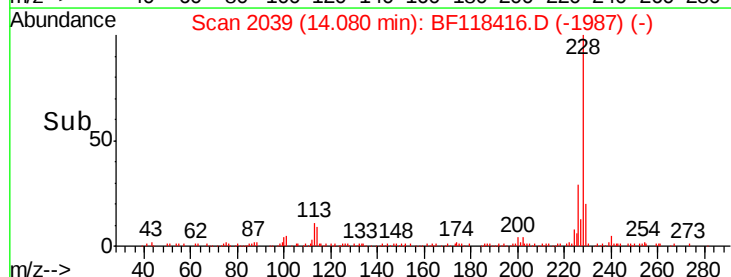
229 20.8 16.1 24.1

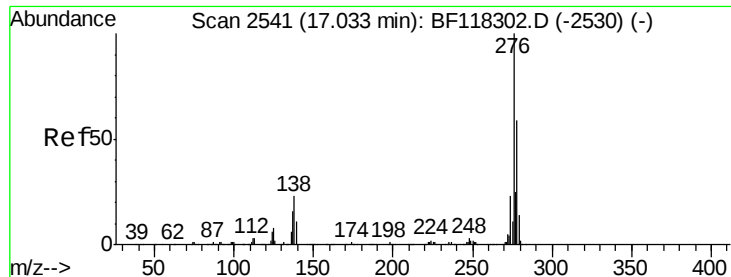


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

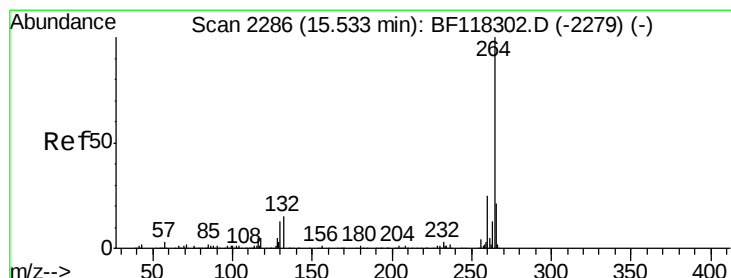
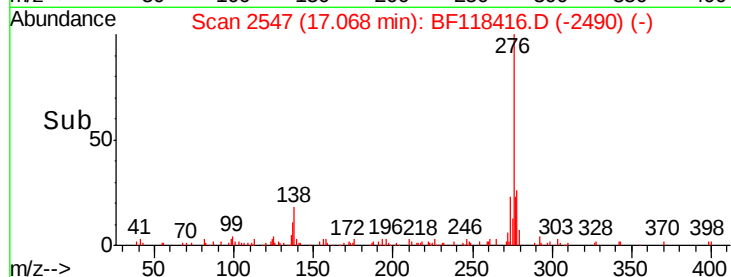
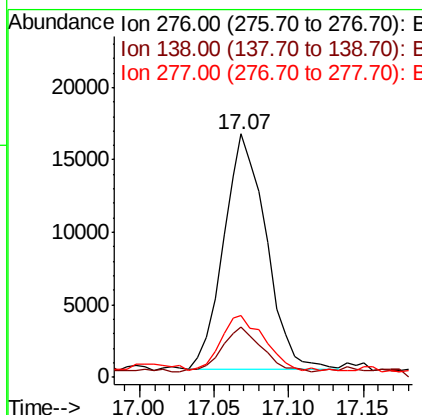
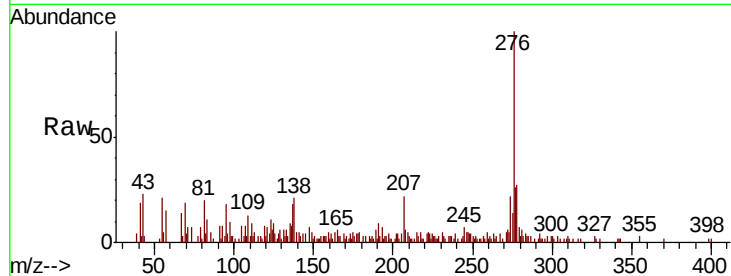




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.966 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. 0.04 min
 Lab File: BF118416.D
 Acq: 31 Dec 2019 20:19

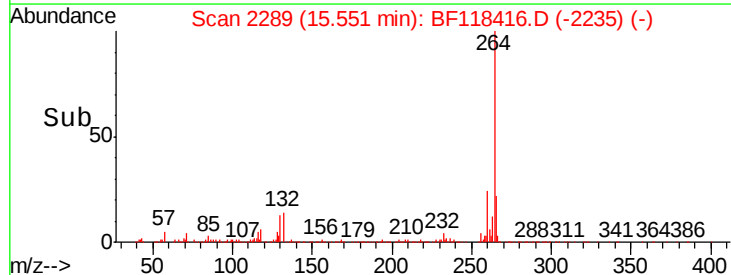
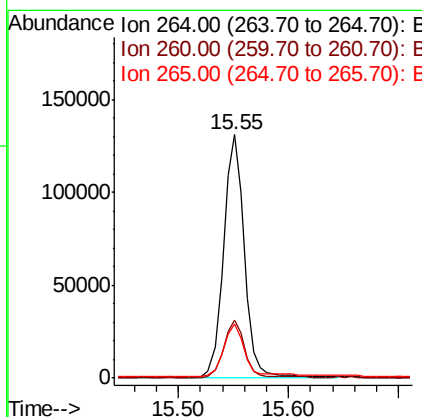
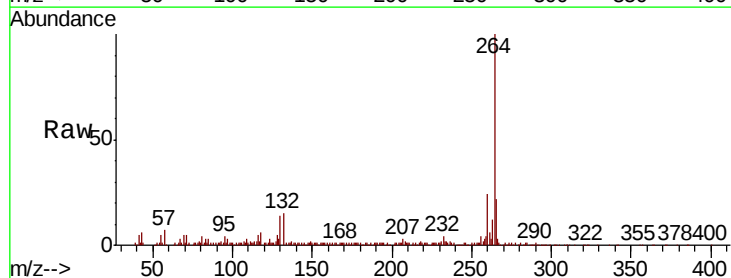
Instrument :
 BNA_F
 ClientSampleId :

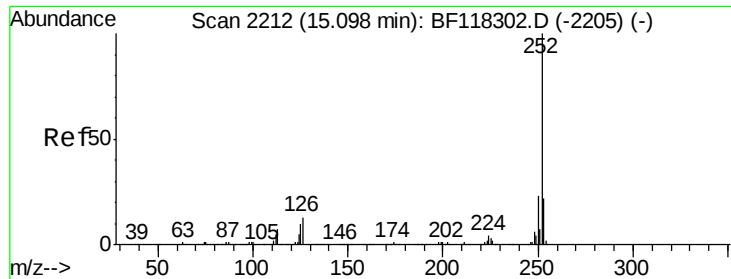
Tot Ion:276 Resp: 32268
 Ion Ratio Lower Upper
 276 100
 138 18.7 19.5 29.3#
 277 23.6 20.6 30.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. 0.02 min
 Lab File: BF118416.D
 Acq: 31 Dec 2019 20:19

Tgt Ion:264 Resp: 174294
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.8 29.6
 265 22.4 17.0 25.4

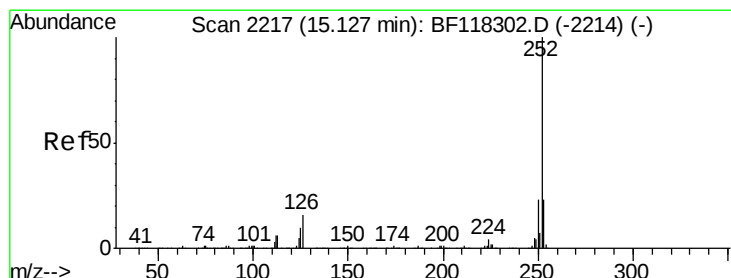
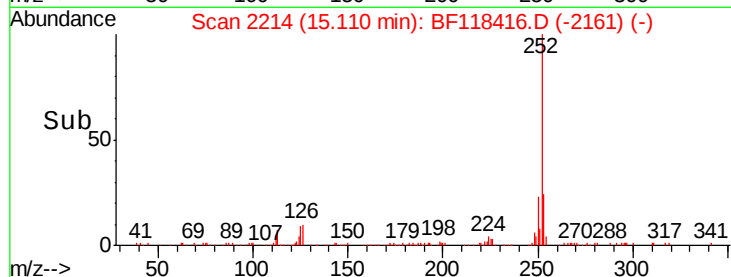
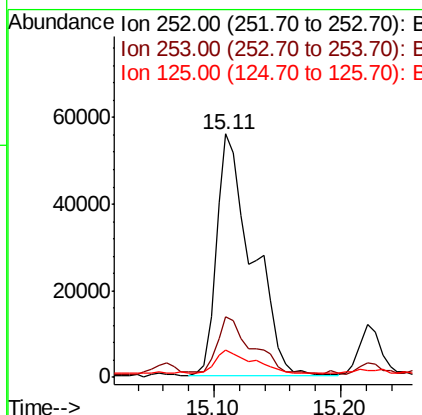
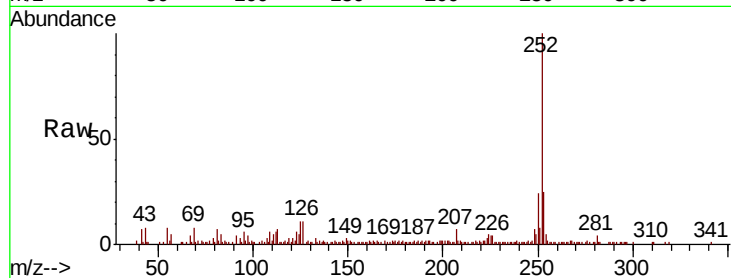




#88
Benzo(b)fluoranthene
Concen: 9.468 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

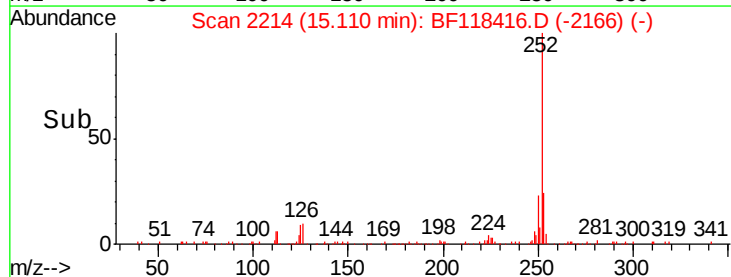
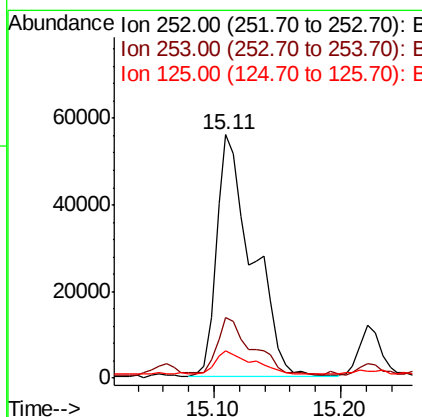
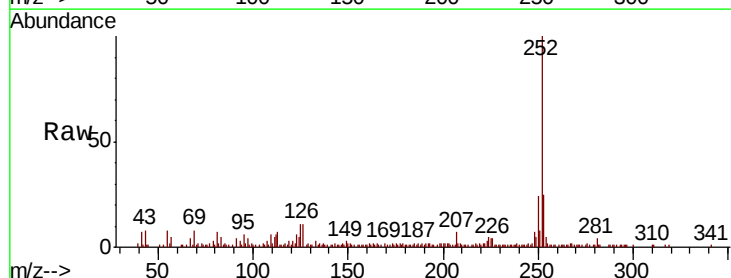
Instrument :
BNA_F
ClientSampleId :

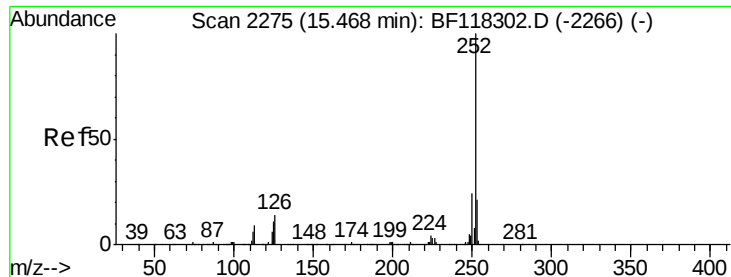
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	11.1	7.7	11.5



#89
Benzo(k)fluoranthene
Concen: 9.860 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	11.1	8.0	12.0

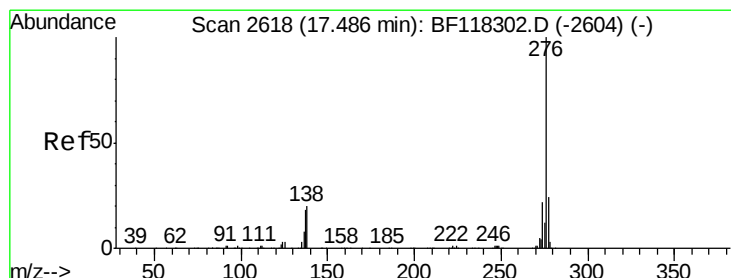
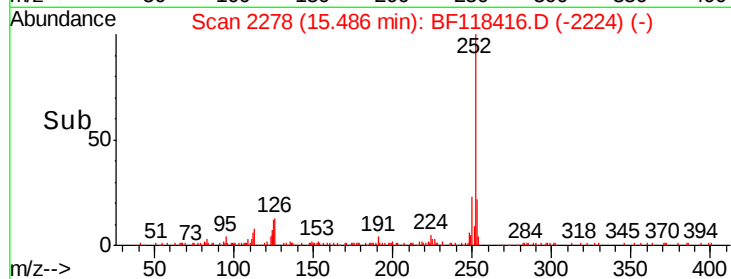
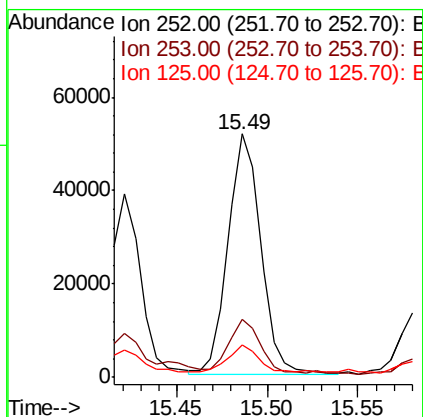
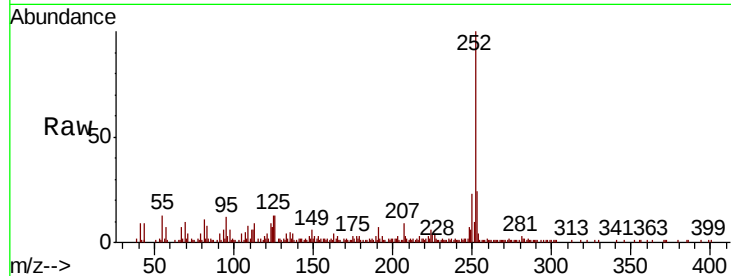




#90
Benzo(a)pyrene
Concen: 6.447 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 65712
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.6
125 13.2 9.0 13.4



#92
Benzo(g,h,i)perylene
Concen: 3.895 ng
RT: 17.53 min Scan# 2625
Delta R.T. 0.04 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Tgt Ion:276 Resp: 33277
Ion Ratio Lower Upper
276 100
277 27.9 19.1 28.7
138 23.8 16.1 24.1

