

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
 Data File : BF118843.D
 Acq On : 6 Feb 2020 18:04
 Operator : CG/JU
 Sample : L1365-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 21:07:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	231137	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	872848	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	493403	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	875846	20.00	ng	0.00
76) Chrysene-d12	13.97	240	612582	20.00	ng	-0.01
87) Perylene-d12	15.42	264	697105	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	631673	51.73	ng	0.00
7) Phenol-d6	6.45	99	756615	49.92	ng	0.00
23) Nitrobenzene-d5	7.37	82	476761	32.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	284835	48.25	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1078163	39.06	ng	-0.01
79) Terphenyl-d14	12.92	244	1212809	40.67	ng	-0.01

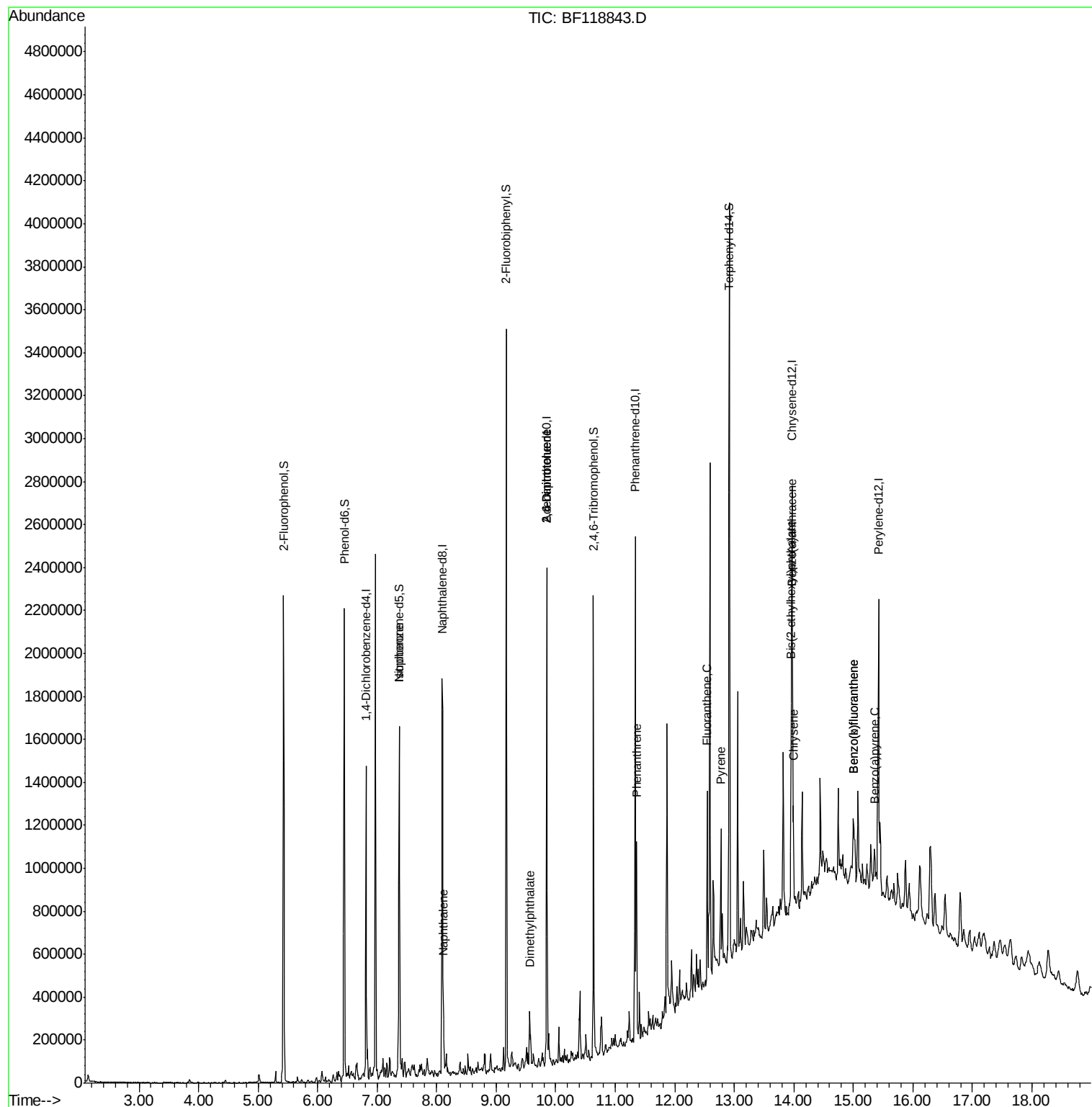
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.37	77	892	Below Cal		# 1
25) Isophorone	7.37	82	470163	17.865	ng	# 63
31) Naphthalene	8.12	128	108498	2.718	ng	# 98
50) Dimethylphthalate	9.56	163	86451	2.573	ng	# 97
51) 2,6-Dinitrotoluene	9.85	165	68019	8.848	ng	# 31
57) 2,4-Dinitrotoluene	9.85	165	68019	6.686	ng	# 34
71) Phenanthrene	11.36	178	341156	7.917	ng	# 96
75) Fluoranthene	12.55	202	343798	7.307	ng	# 98
78) Pyrene	12.77	202	275397	6.553	ng	# 98
81) Benzo(a)anthracene	13.96	228	123428	3.386	ng	# 99
83) Chrysene	13.99	228	115043	3.144	ng	# 97
84) Bis(2-ethylhexyl)phthalate	13.95	149	183004	7.520	ng	# 99
88) Benzo(b)fluoranthene	15.00	252	195409	4.517	ng	# 88
89) Benzo(k)fluoranthene	15.00	252	195409	5.188	ng	# 87
90) Benzo(a)pyrene	15.36	252	103256	2.789	ng	# 91

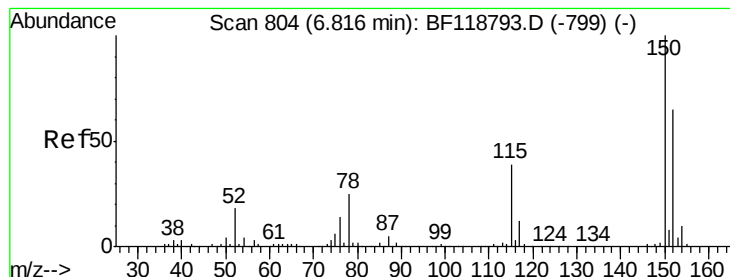
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 06 21:07:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



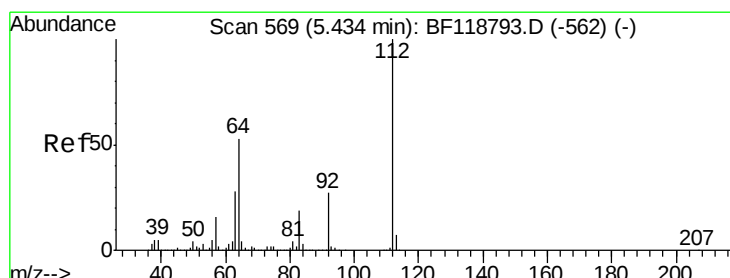
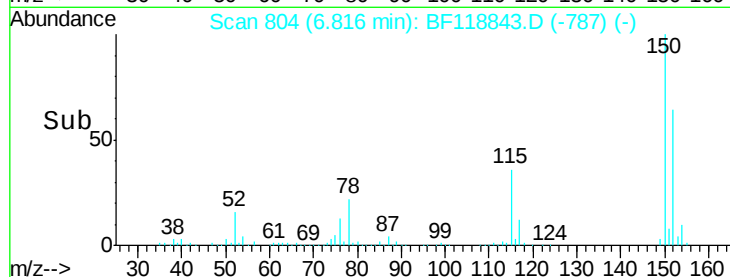
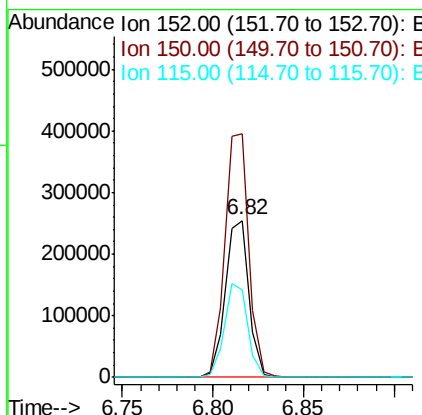
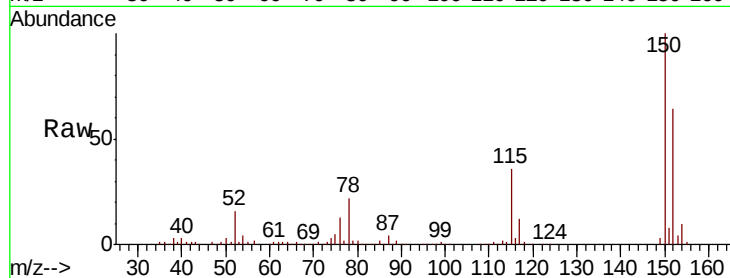


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF118843.D
Acq: 6 Feb 2020 18:04

Instrument :
BNA_F
ClientSampleId :

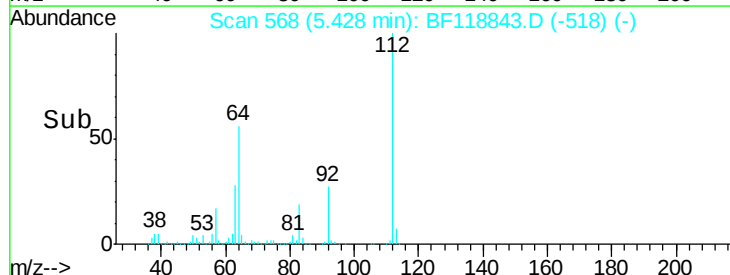
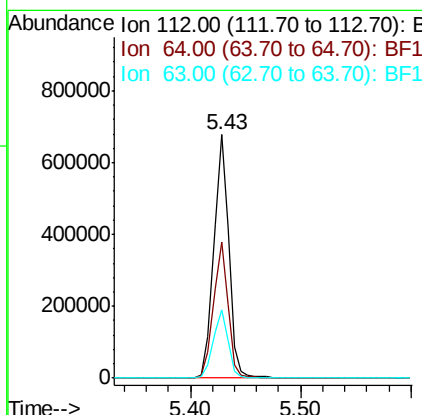
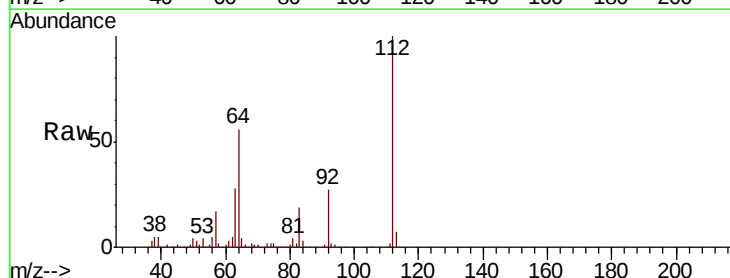
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.6	185.4
115	56.1	48.2	72.2

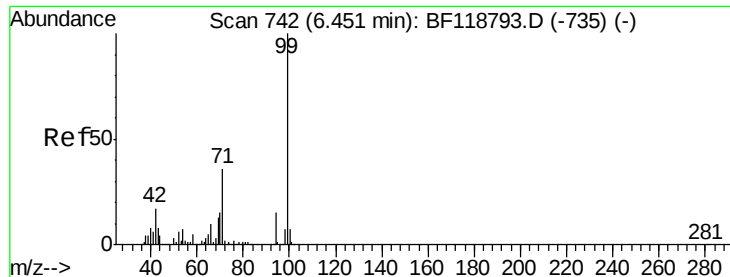


#5

2-Fluorophenol
Concen: 51.732 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF118843.D
Acq: 6 Feb 2020 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	42.6	63.8
63	27.9	22.2	33.4





#7

Phenol-d6

Concen: 49.916 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

Instrument :

BNA_F

ClientSampled :

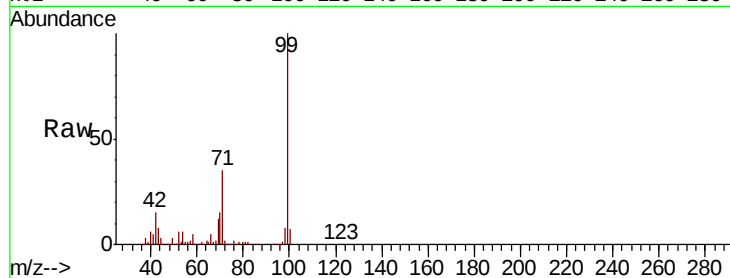
Tot Ion: 99 Resp: 756615

Ion Ratio Lower Upper

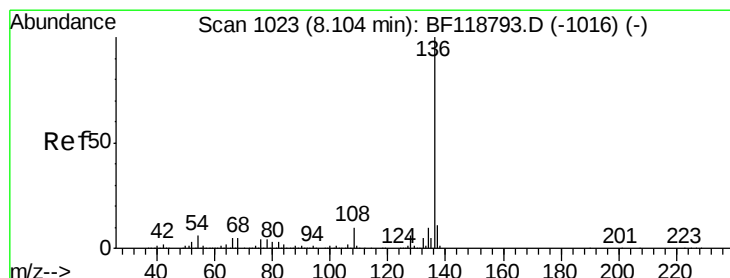
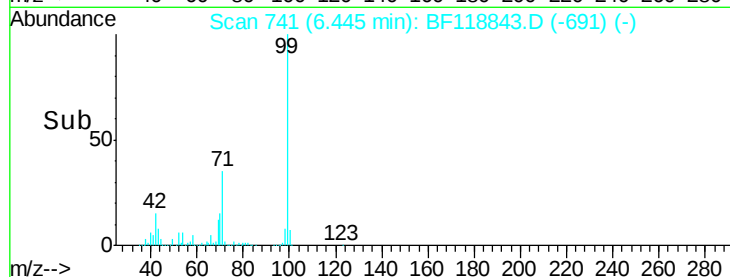
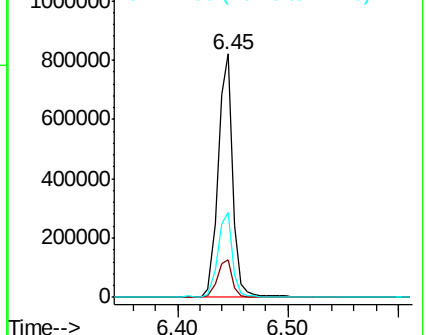
99 100

42 15.3 13.4 20.0

71 34.9 29.0 43.6



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

Tgt Ion: 136 Resp: 872848

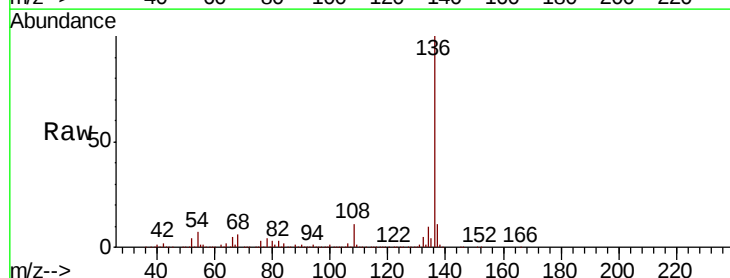
Ion Ratio Lower Upper

136 100

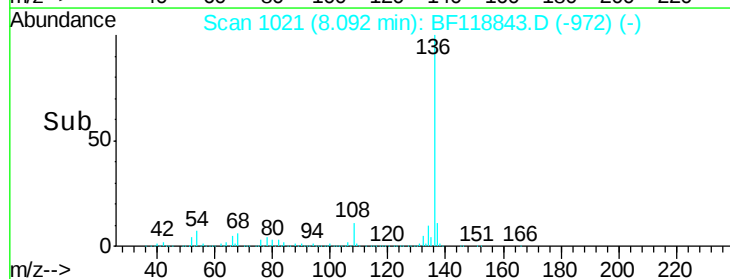
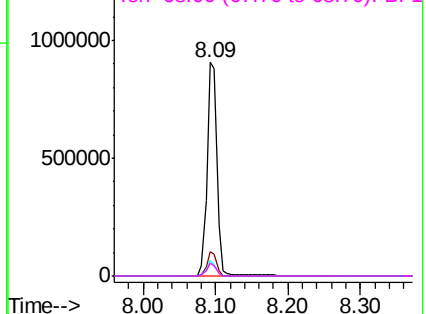
137 11.4 8.7 13.1

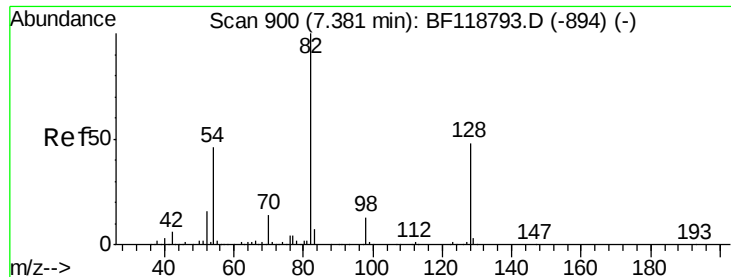
54 7.0 5.0 7.6

68 6.1 4.2 6.4



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

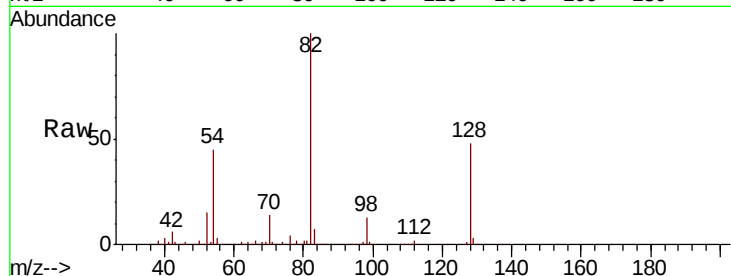




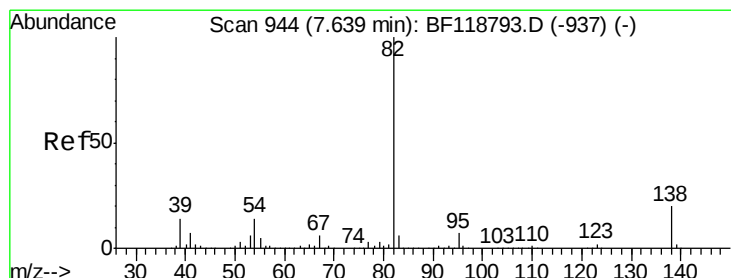
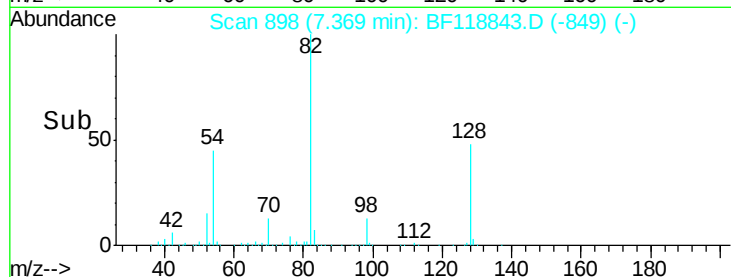
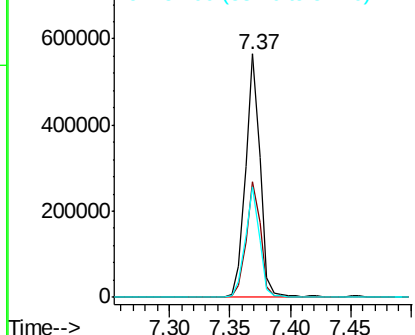
#23
Nitrobenzene-d5
Concen: 32.557 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118843.D
Acq: 6 Feb 2020 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 476761
Ion Ratio Lower Upper
82 100
128 47.6 38.5 57.7
54 45.1 36.7 55.1

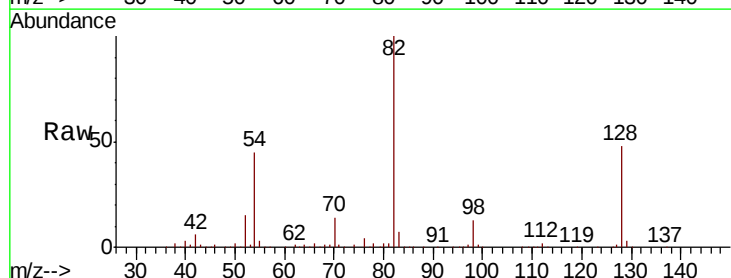


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

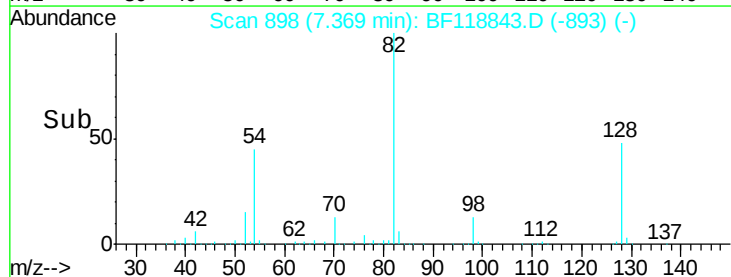
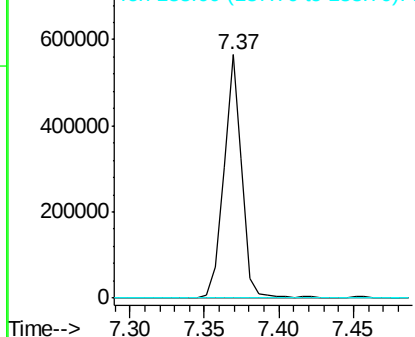


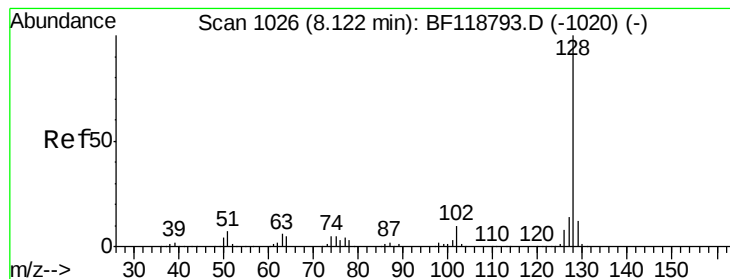
#25
Isophorone
Concen: 17.865 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF118843.D
Acq: 6 Feb 2020 18:04

Tgt Ion: 82 Resp: 470163
Ion Ratio Lower Upper
82 100
95 0.3 6.0 9.0#
138 0.0 15.7 23.5#



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): BF1





#31

Naphthalene

Concen: 2.718 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

Instrument :

BNA_F

ClientSampleId :

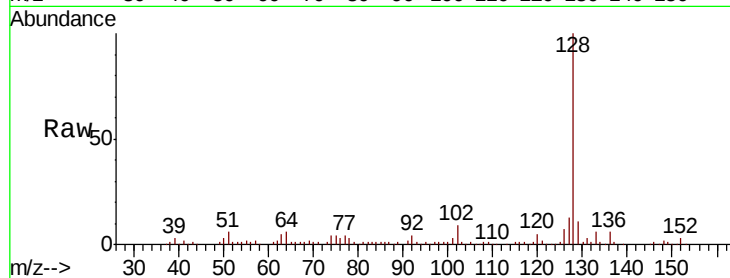
Tot Ion:128 Resp: 108498

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.2

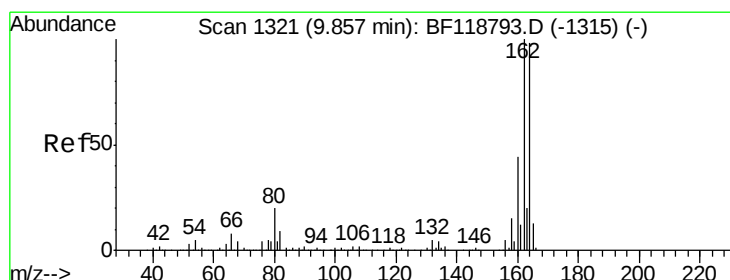
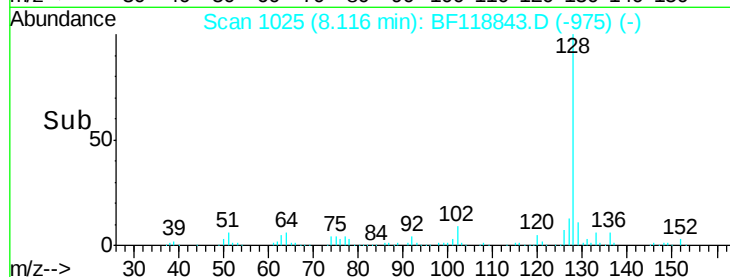
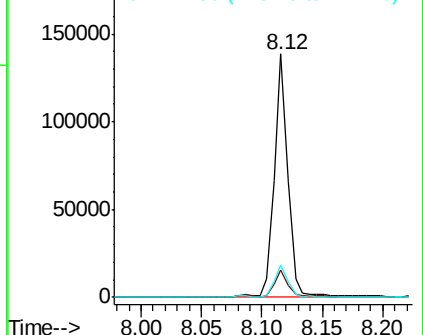
127 13.2 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

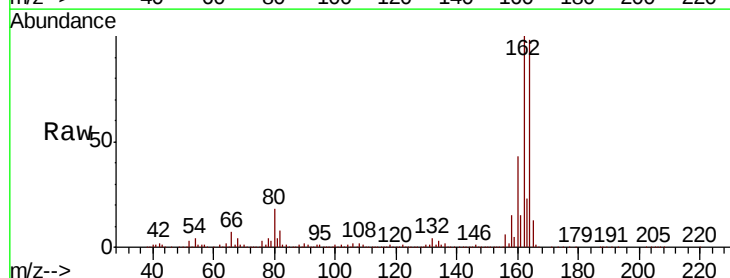
Tgt Ion:164 Resp: 493403

Ion Ratio Lower Upper

164 100

162 102.1 81.4 122.2

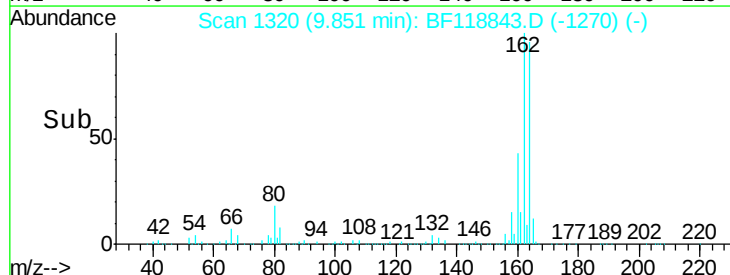
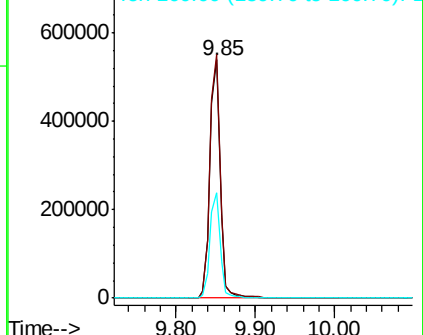
160 44.2 35.6 53.4

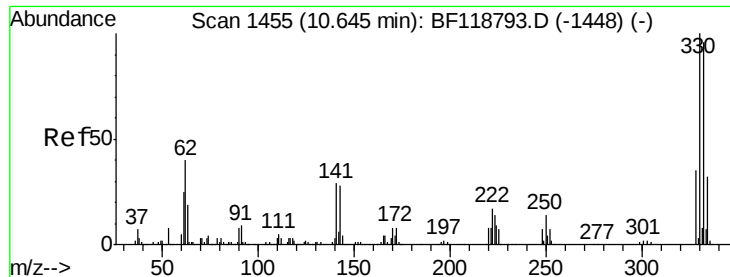


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 48.247 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

Instrument :

BNA_F

ClientSampleId :

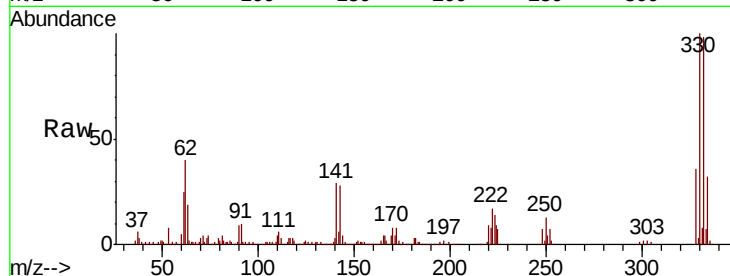
Tot Ion:330 Resp: 284835

Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

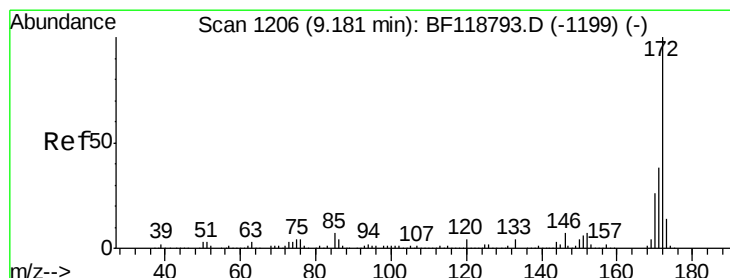
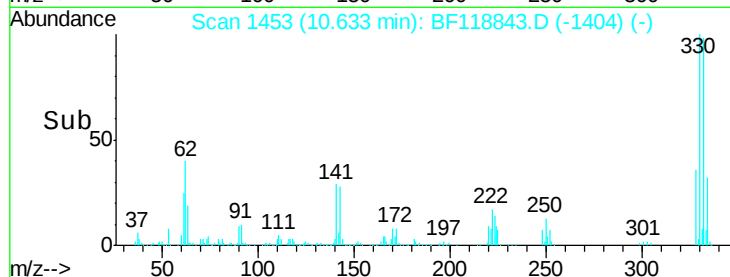
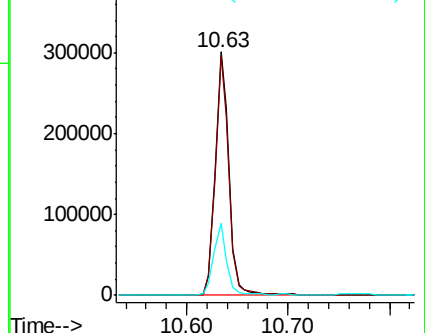
141 27.6 22.4 33.6



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 39.064 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

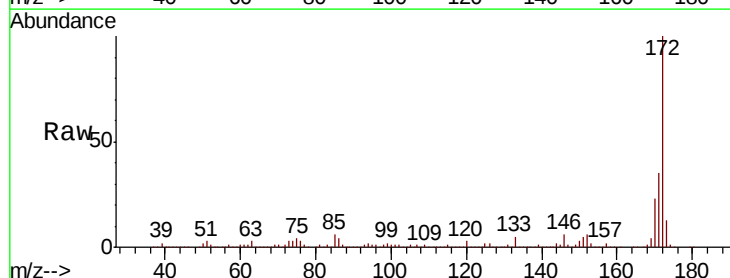
Tgt Ion:172 Resp: 1078163

Ion Ratio Lower Upper

172 100

171 35.4 30.8 46.2

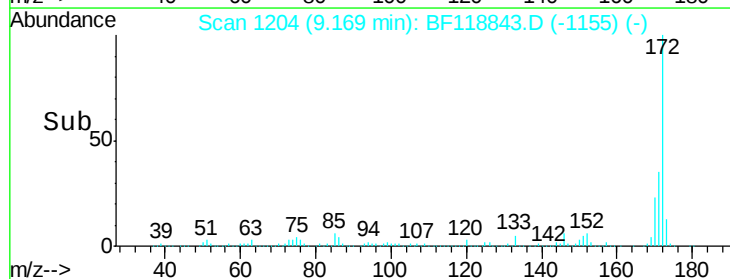
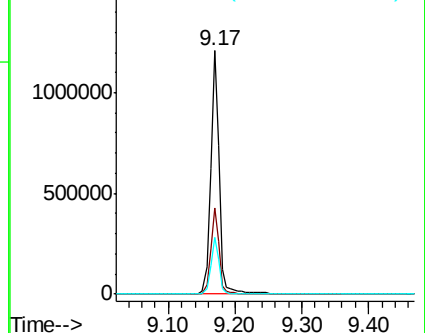
170 23.4 20.5 30.7

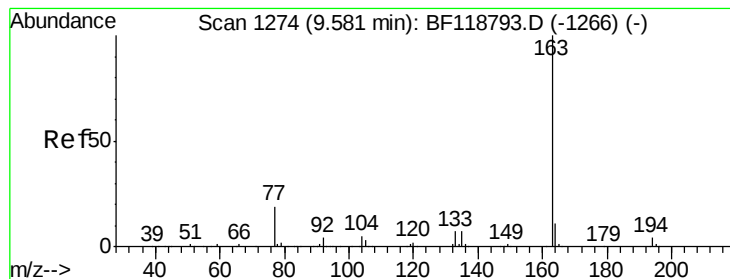


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.573 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

Instrument :

BNA_F

ClientSampleId :

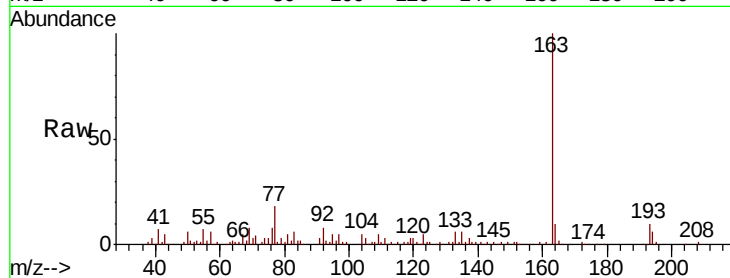
Tot Ion:163 Resp: 86451

Ion Ratio Lower Upper

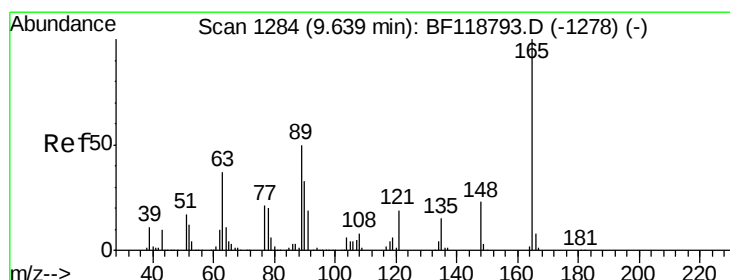
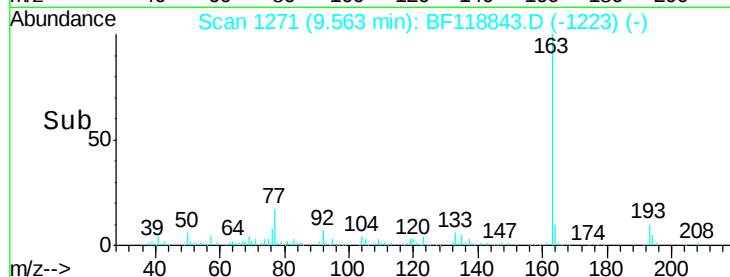
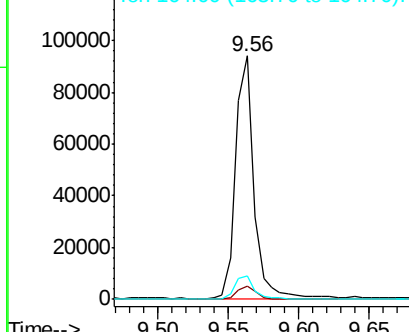
163 100

194 5.6 3.6 5.4#

164 9.6 8.7 13.1



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



#51

2,6-Dinitrotoluene

Concen: 8.848 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

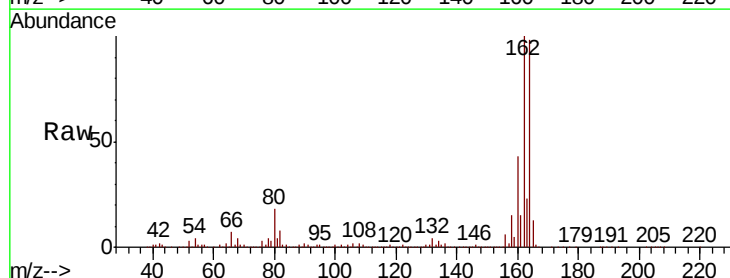
Tgt Ion:165 Resp: 68019

Ion Ratio Lower Upper

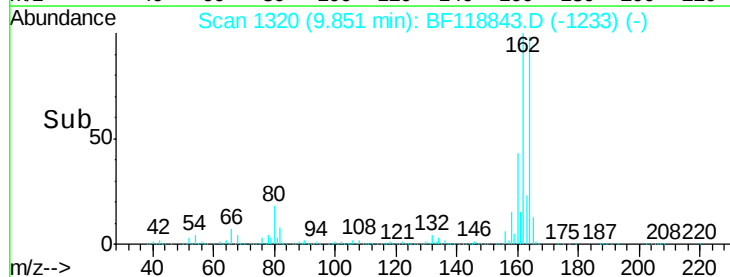
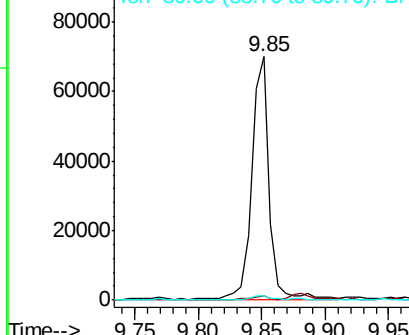
165 100

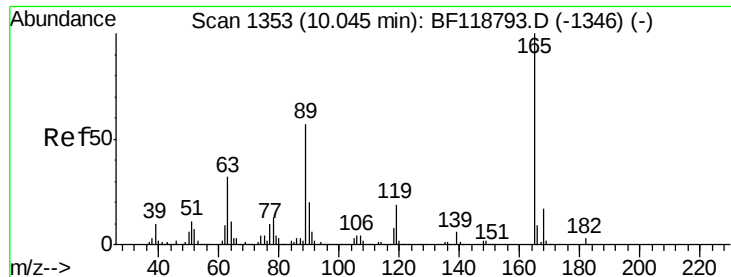
63 1.6 37.4 56.0#

89 1.5 39.7 59.5#



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





#57

2,4-Dinitrotoluene

Concen: 6.686 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 68019

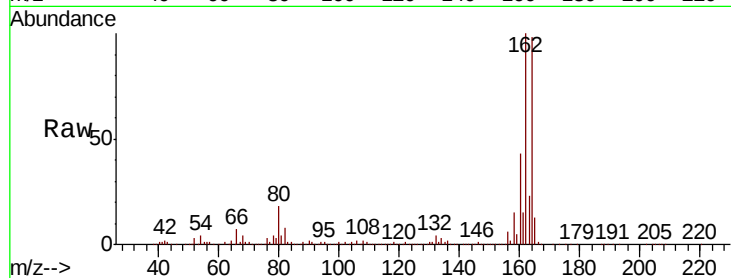
Ion Ratio Lower Upper

165 100

63 1.6 25.5 38.3#

89 1.5 45.4 68.0#

182 0.0 2.4 3.6#

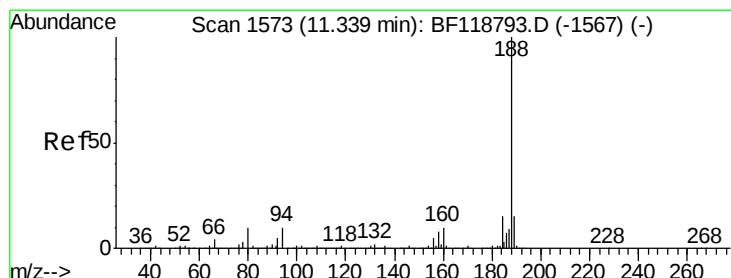
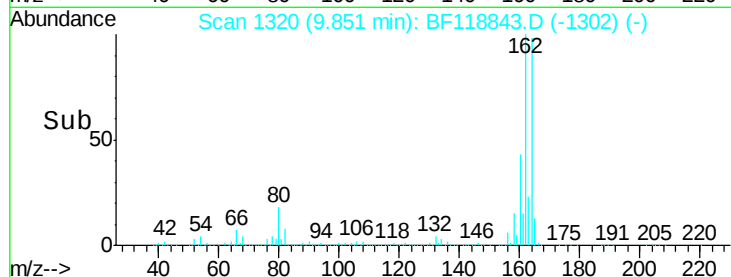
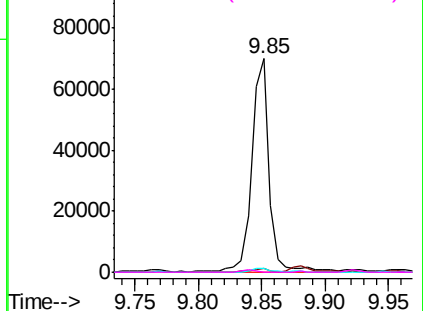


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

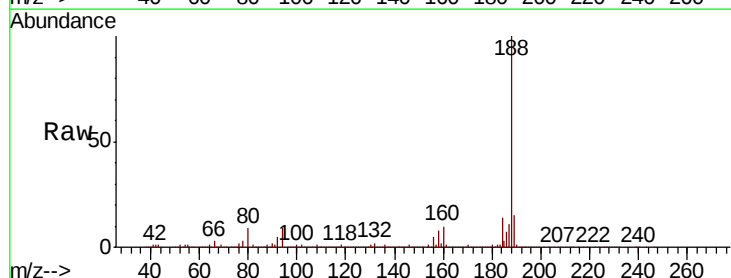
Tgt Ion:188 Resp: 875846

Ion Ratio Lower Upper

188 100

94 8.6 7.9 11.9

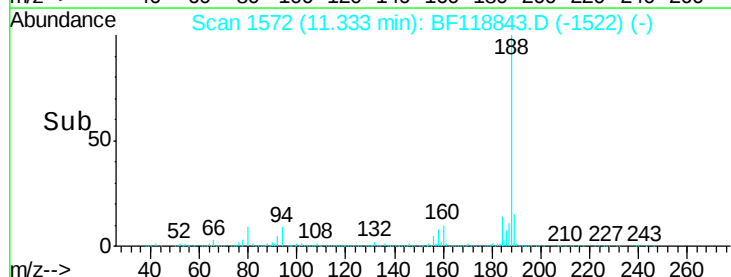
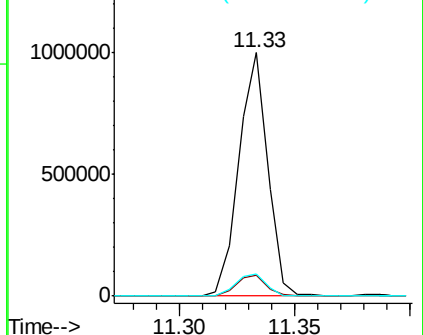
80 9.3 8.4 12.6

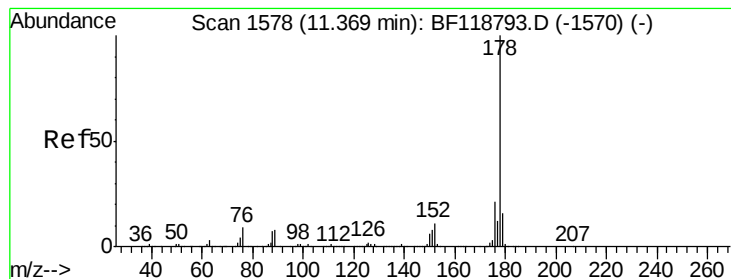


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 7.917 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

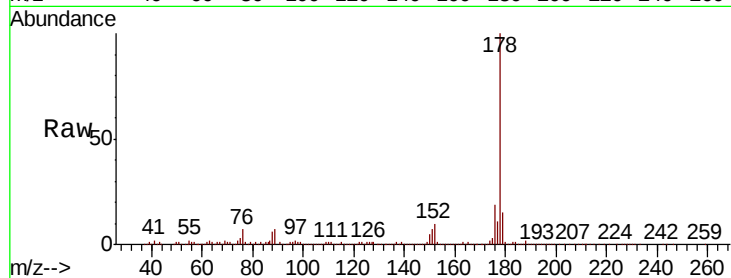
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 341156

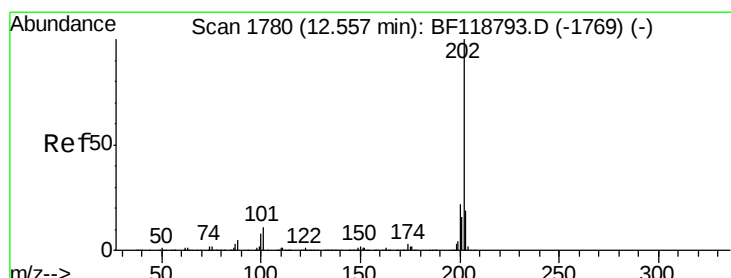
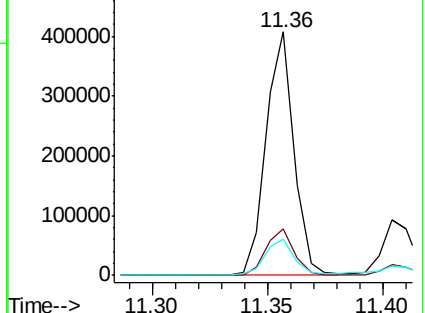
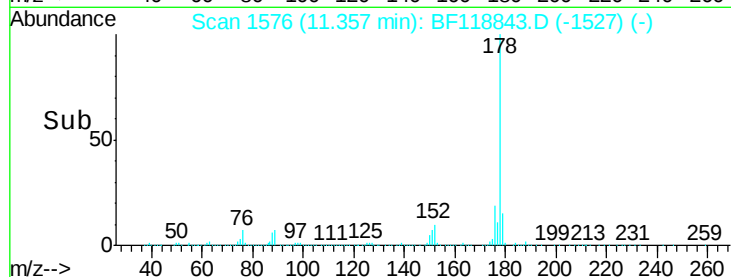
Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.6	24.8
179	15.1	13.2	19.8



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: 7.307 ng

RT: 12.55 min Scan# 1778

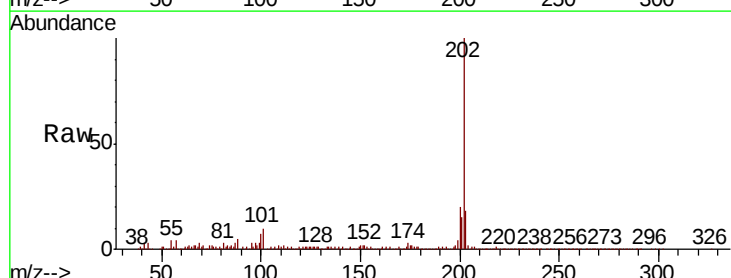
Delta R.T. -0.01 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

Tgt Ion:202 Resp: 343798

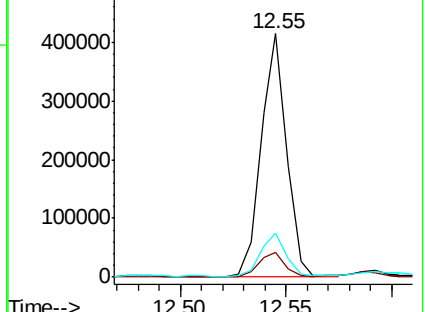
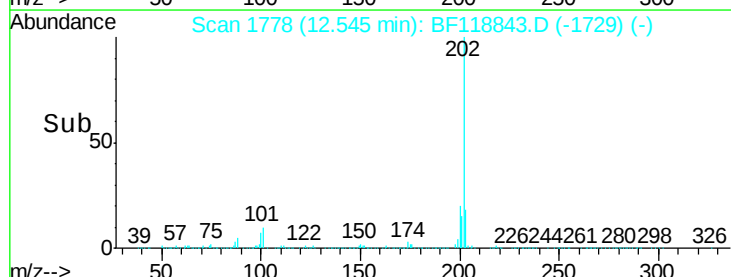
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.0
203	17.9	0.0	38.7

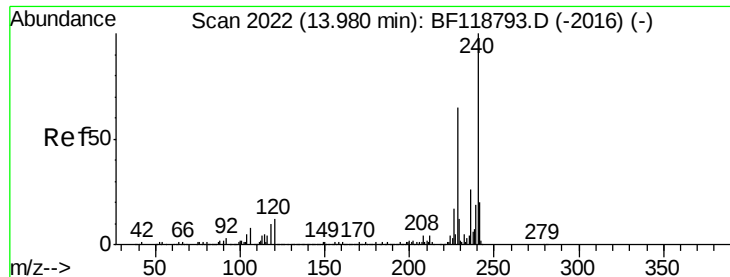


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

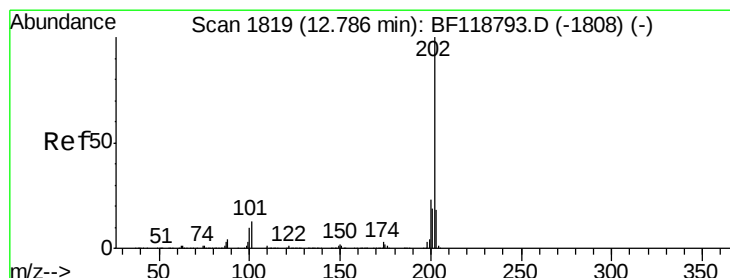
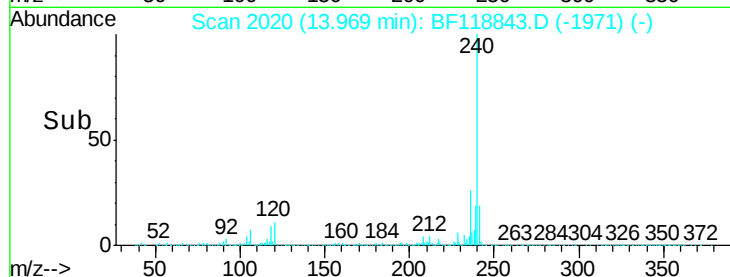
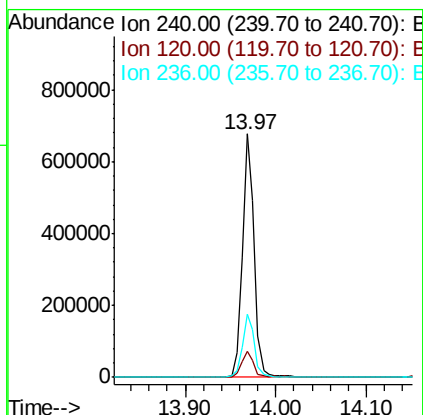
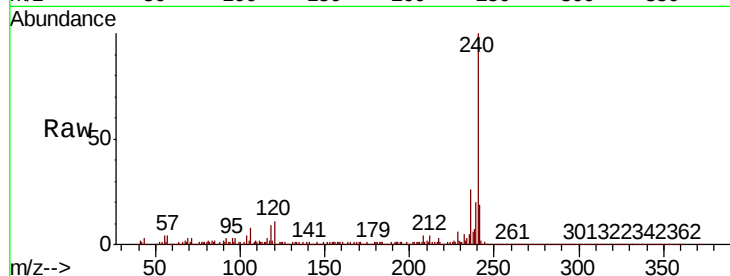




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118843.D
Acq: 6 Feb 2020 18:04

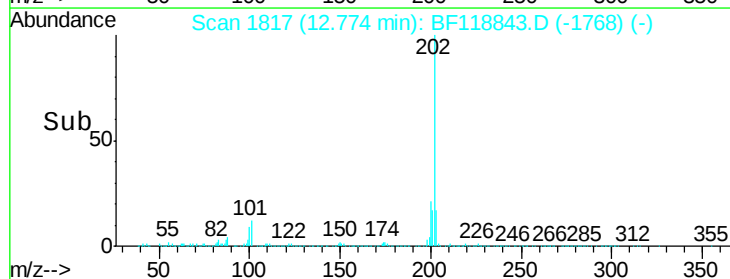
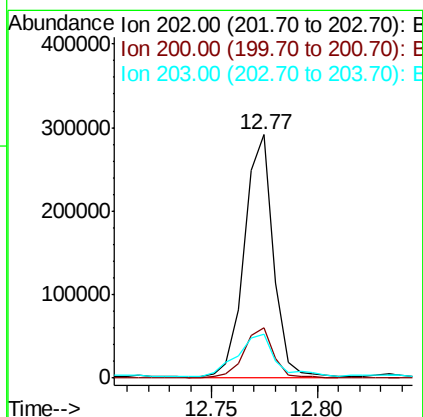
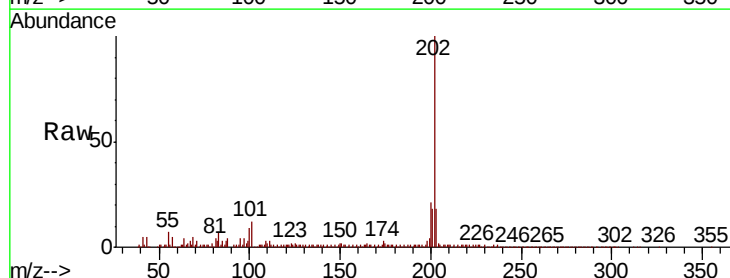
Instrument :
BNA_F
ClientSampleId :

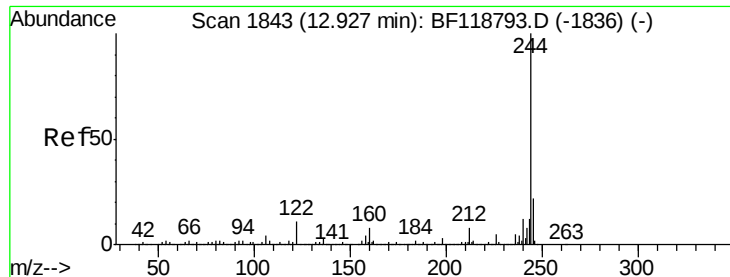
Tot Ion:240 Resp: 612582
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.0
236 26.0 21.0 31.6



#78
Pyrene
Concen: 6.553 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF118843.D
Acq: 6 Feb 2020 18:04

Tgt Ion:202 Resp: 275397
Ion Ratio Lower Upper
202 100
200 20.9 18.2 27.2
203 18.1 14.8 22.2





#79

Terphenyl-d14

Concen: 40.667 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

Instrument :

BNA_F

ClientSampleId :

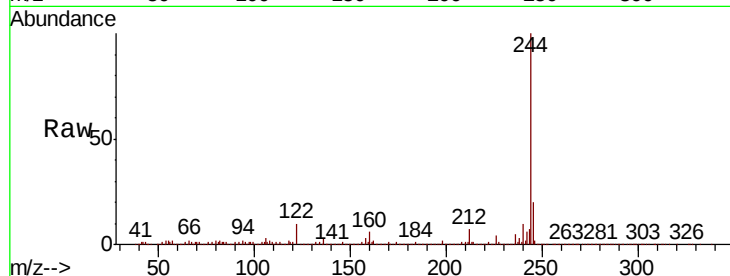
Tot Ion:244 Resp: 1212809

Ion Ratio Lower Upper

244 100

212 6.8 6.5 9.7

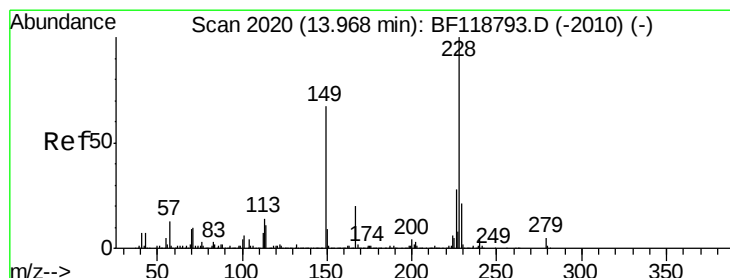
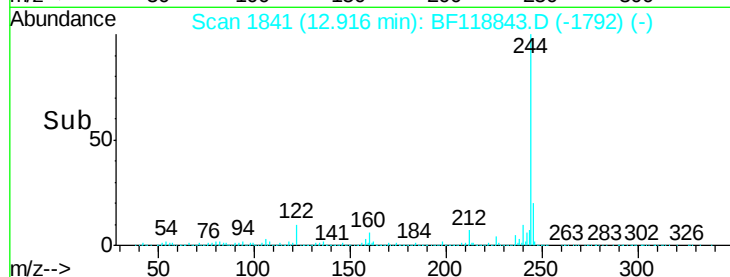
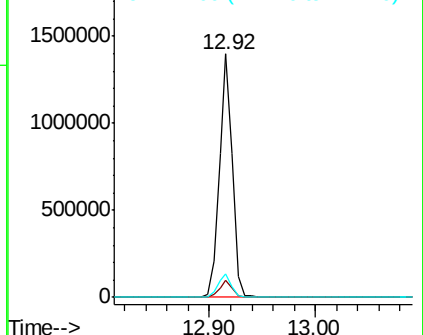
122 9.8 8.9 13.3



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: 3.386 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

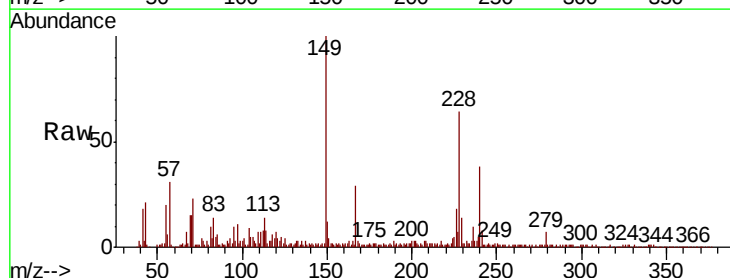
Tgt Ion:228 Resp: 123428

Ion Ratio Lower Upper

228 100

226 28.5 22.7 34.1

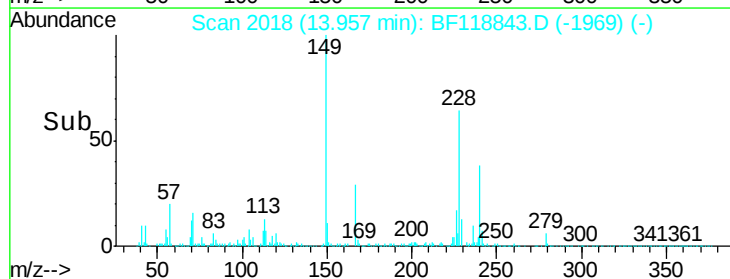
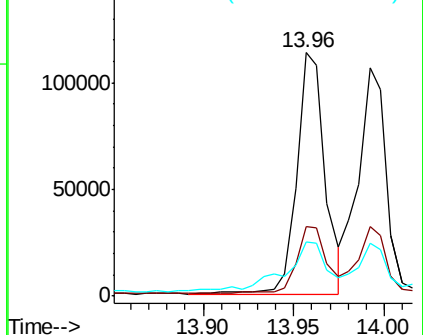
229 22.3 16.6 25.0

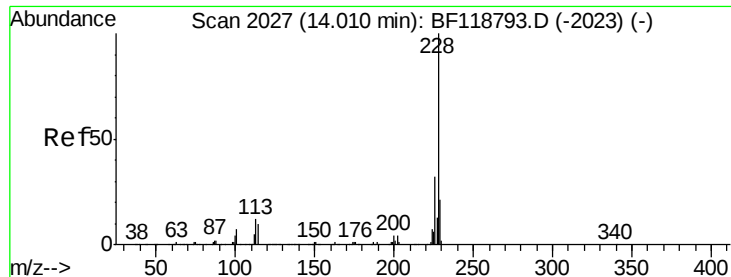


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrvsene

Concen: 3.144 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

Instrument :

BNA_F

ClientSampleId :

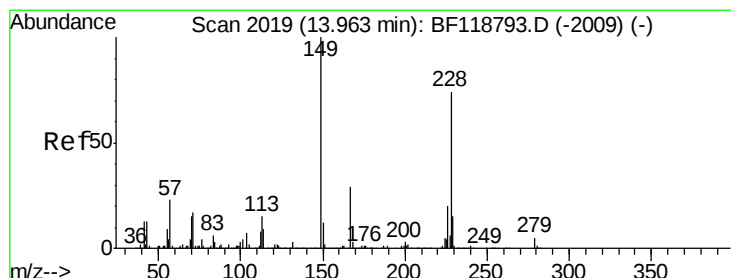
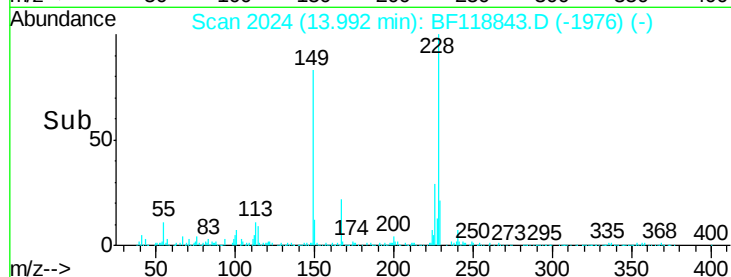
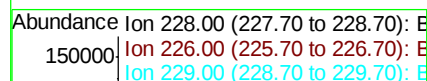
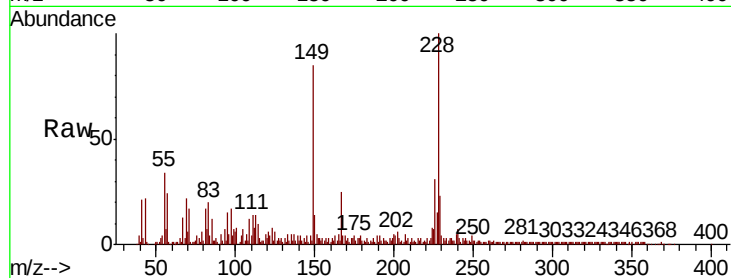
Tot Ion:228 Resp: 115043

Ion Ratio Lower Upper

228 100

226 30.6 25.4 38.0

229 23.4 16.9 25.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.520 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF118843.D

Acq: 6 Feb 2020 18:04

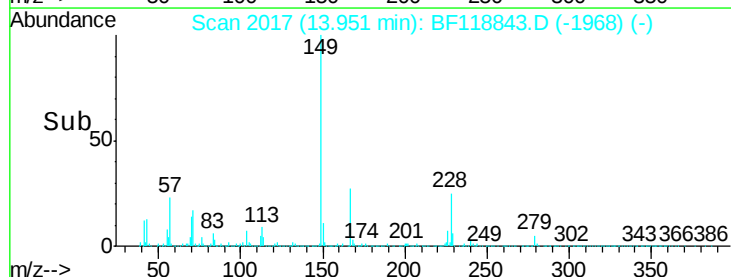
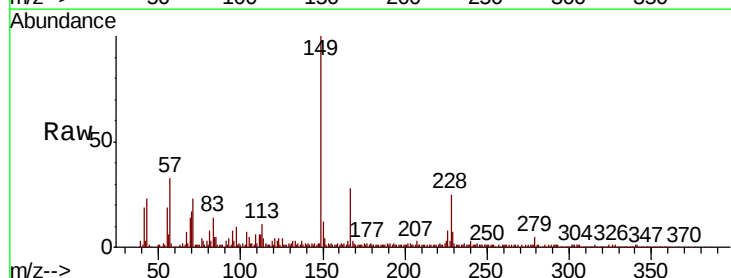
Tgt Ion:149 Resp: 183004

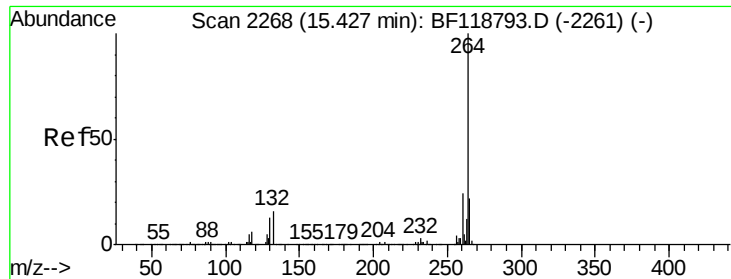
Ion Ratio Lower Upper

149 100

167 28.3 23.0 34.6

279 5.3 4.4 6.6

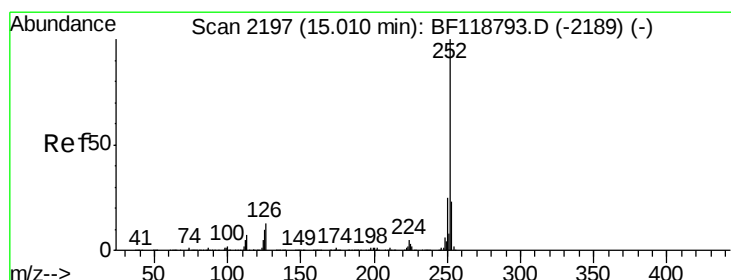
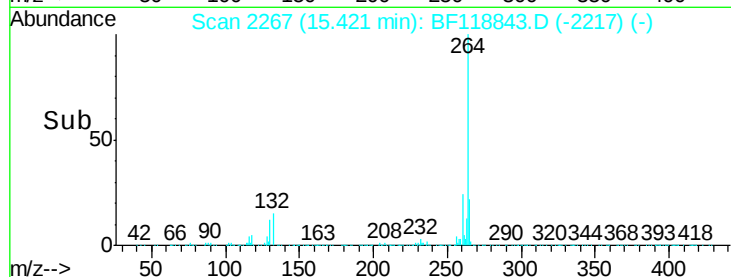
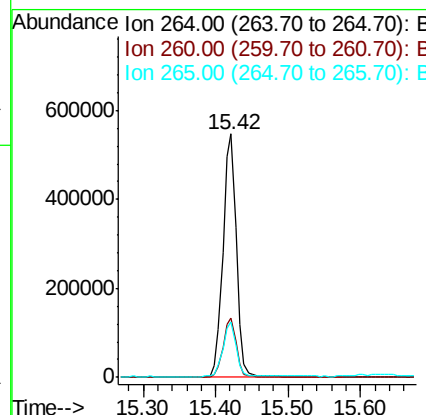
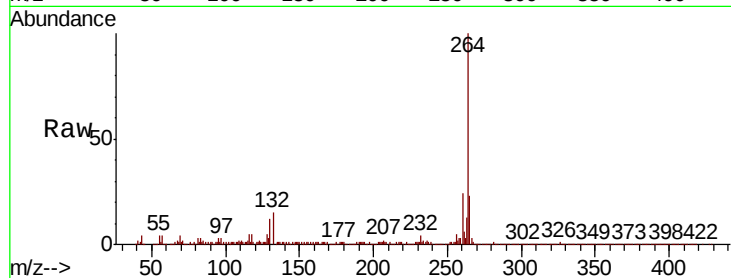




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF118843.D
Acq: 6 Feb 2020 18:04

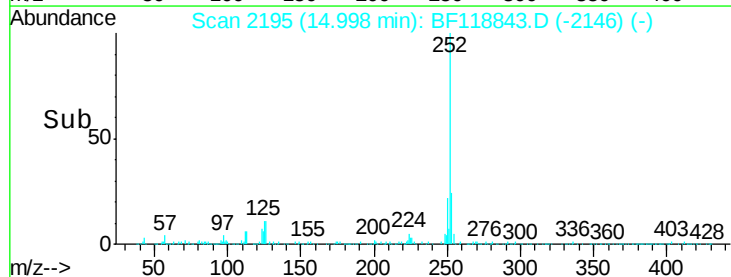
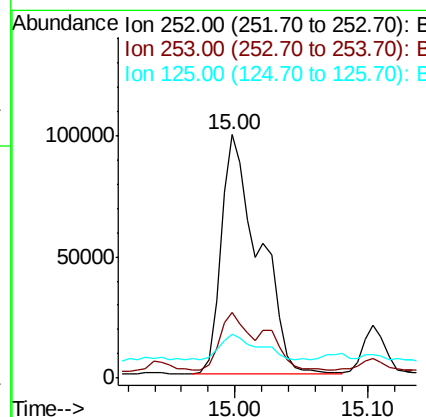
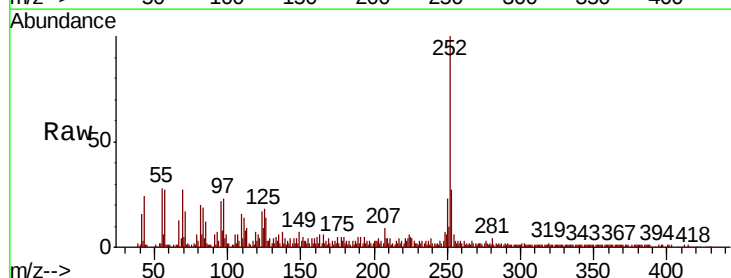
Instrument :
BNA_F
ClientSampleId :

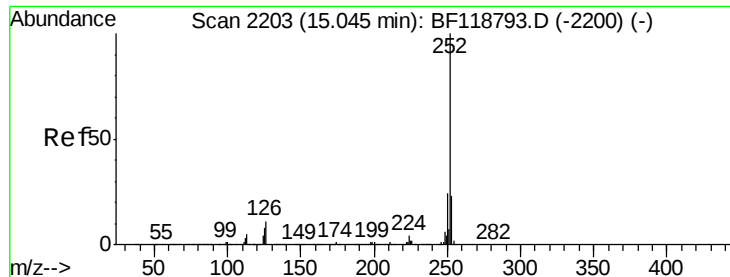
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.1	28.7
265	22.7	17.2	25.8



#88
Benzo(b)fluoranthene
Concen: 4.517 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118843.D
Acq: 6 Feb 2020 18:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.4	27.6
125	18.1	8.1	12.1#

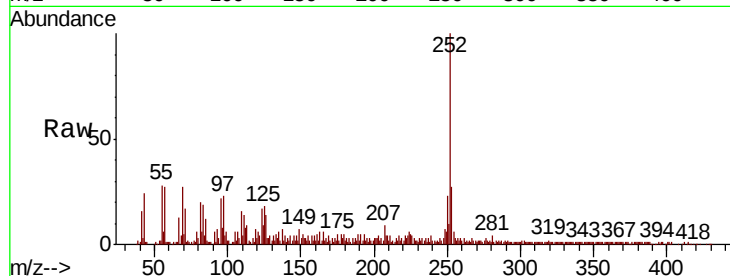




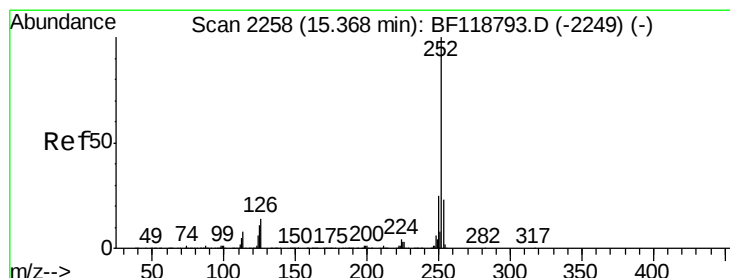
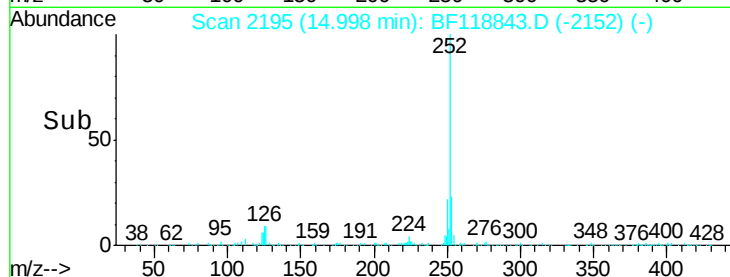
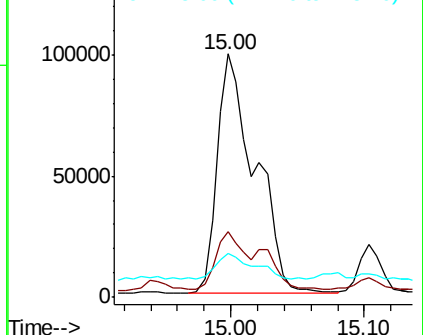
#89
Benzo(k)fluoranthene
Concen: 5.188 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF118843.D
Acq: 6 Feb 2020 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.2	27.4
125	18.1	7.0	10.6

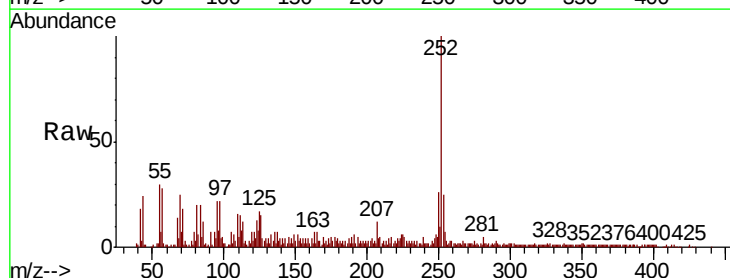


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.789 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118843.D
Acq: 6 Feb 2020 18:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	17.4	8.7	13.1



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

