

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118891.D
 Acq On : 11 Feb 2020 18:38
 Operator : CG/JU
 Sample : L1484-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Quant Time: Feb 12 06:50:08 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	6.80	152	242018	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	944825	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	484712	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	830508	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	734176	20.00	ng	-0.02
87) Perylene-d12	15.42	264	681635	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1279752	100.09	ng	0.00
7) Phenol-d6	6.44	99	1710195	107.75	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1099969	69.39	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	527804	91.01	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	2126580	78.43	ng	-0.02
79) Terphenyl-d14	12.91	244	2338775	65.43	ng	-0.02

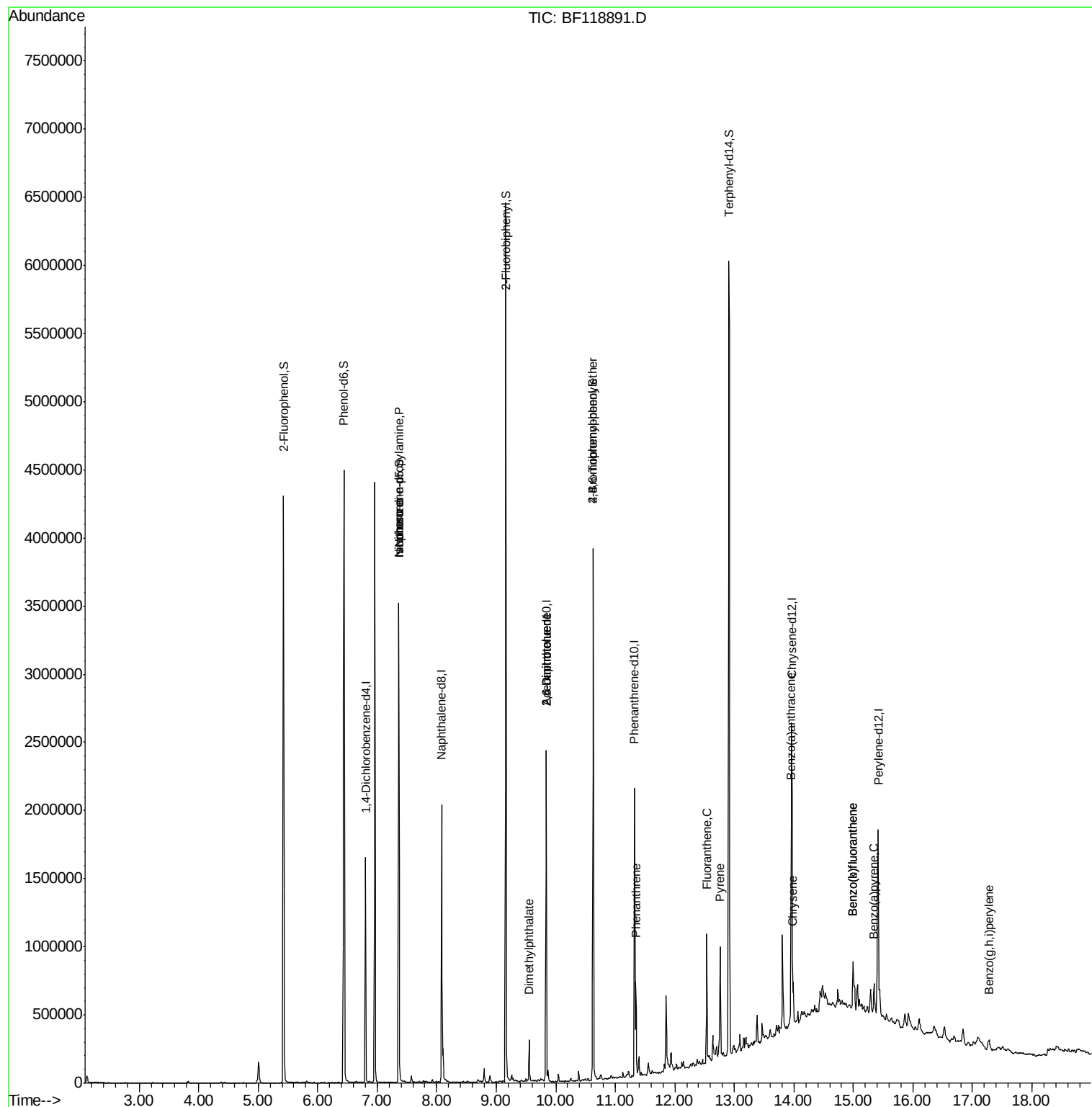
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	685	Below Cal		# 65
19) n-Nitroso-di-n-propylamine	7.36	70	149950	15.441	ng	# 76
25) Isophorone	7.36	82	1099954	38.611	ng	# 63
50) Dimethylphthalate	9.55	163	118958	3.604	ng	97
51) 2,6-Dinitrotoluene	9.84	165	64028	8.479	ng	# 30
57) 2,4-Dinitrotoluene	9.84	165	64028	6.407	ng	# 33
67) 4-Bromophenyl-phenylether	10.63	248	34670	3.529	ng	# 1
71) Phenanthrene	11.35	178	241197	5.903	ng	96
75) Fluoranthene	12.53	202	393277	8.815	ng	97
78) Pyrene	12.76	202	327728	6.507	ng	97
81) Benzo(a)anthracene	13.95	228	174590	3.996	ng	100
83) Chrysene	13.99	228	155981	3.557	ng	96
88) Benzo(b)fluoranthene	14.99	252	258146	6.103	ng	# 96
89) Benzo(k)fluoranthene	14.99	252	258146	7.009	ng	# 95
90) Benzo(a)pyrene	15.35	252	126448	3.493	ng	# 97
92) Benzo(g,h,i)perylene	17.27	276	69524	2.250	ng	96

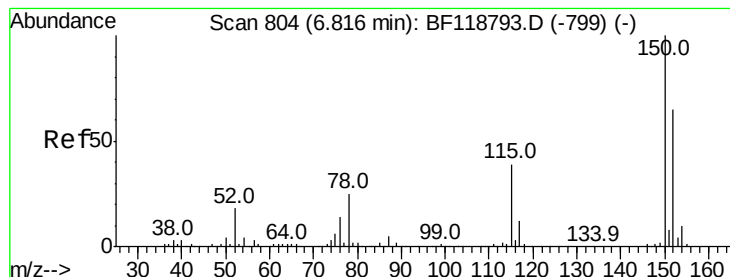
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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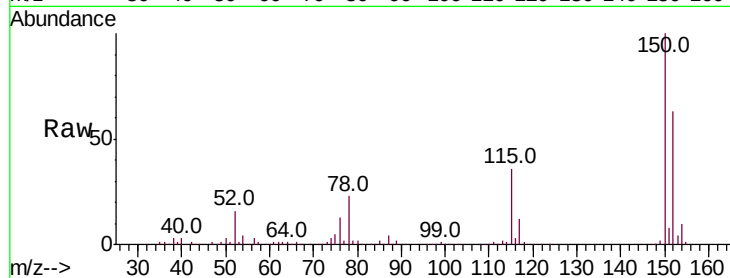


#1

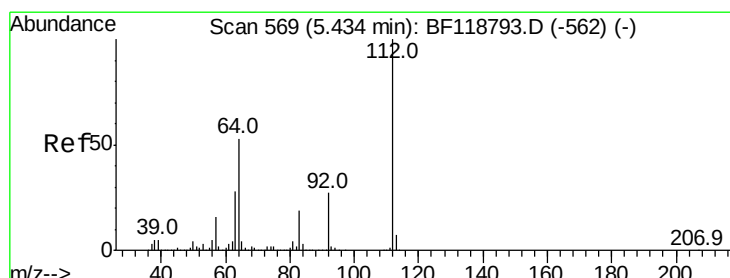
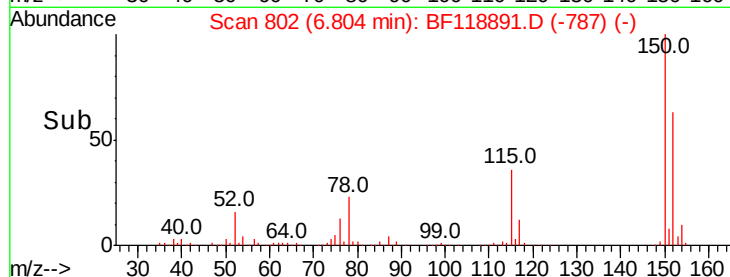
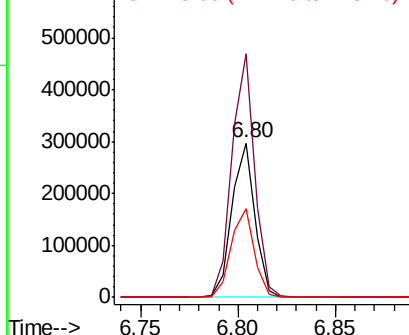
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF118891.D
 Acq: 11 Feb 2020 18:38

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tot Ion:152 Resp: 242018
 Ion Ratio Lower Upper
 152 100
 150 157.6 123.6 185.4
 115 57.1 48.2 72.2



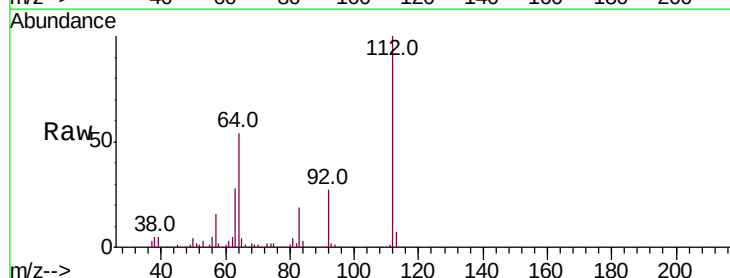
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



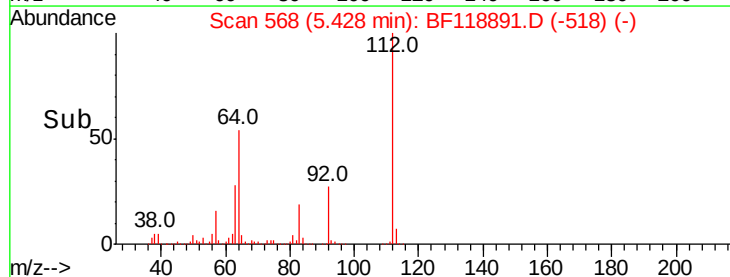
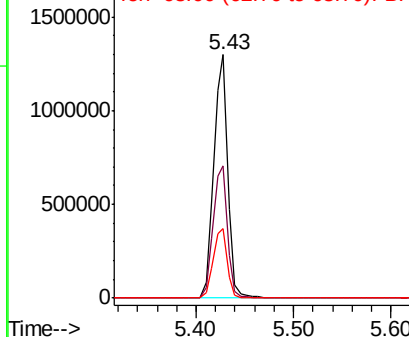
#5

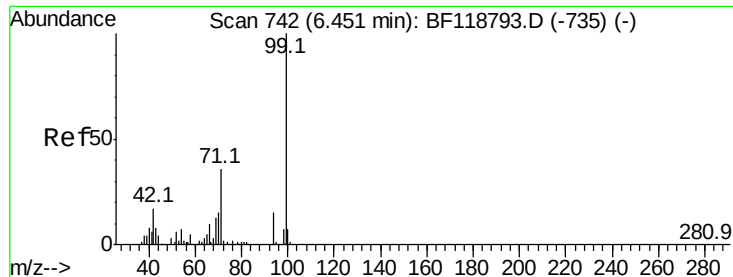
2-Fluorophenol
 Concen: 100.095 ng
 RT: 5.43 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF118891.D
 Acq: 11 Feb 2020 18:38

Tgt Ion:112 Resp: 1279752
 Ion Ratio Lower Upper
 112 100
 64 54.4 42.6 63.8
 63 28.5 22.2 33.4



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





#7

Phenol-d6

Concen: 107.755 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF118891.D

Acq: 11 Feb 2020 18:38

Instrument :

BNA_F

ClientSampleId :

SP-2

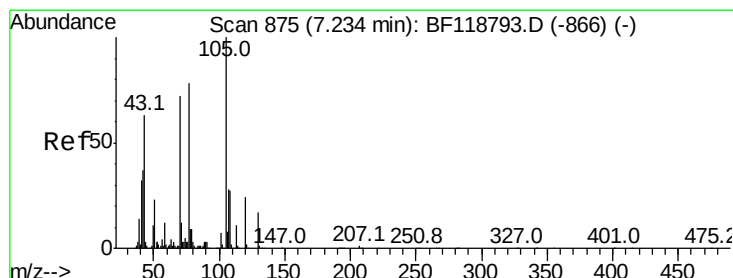
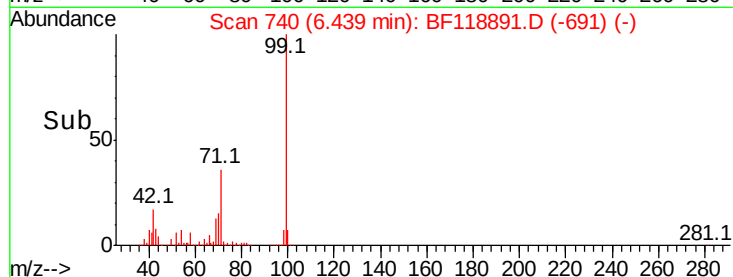
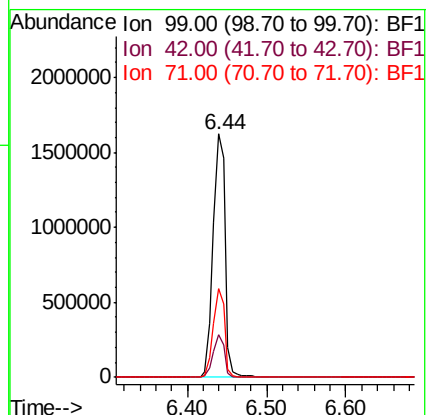
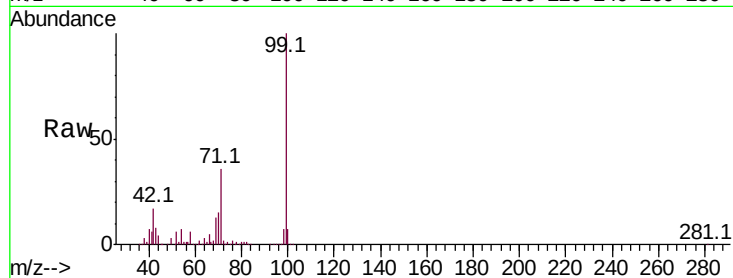
Tot Ion: 99 Resp: 1710195

Ion Ratio Lower Upper

99 100

42 17.3 13.4 20.0

71 36.4 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.441 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.13 min

Lab File: BF118891.D

Acq: 11 Feb 2020 18:38

Tgt Ion: 70 Resp: 149950

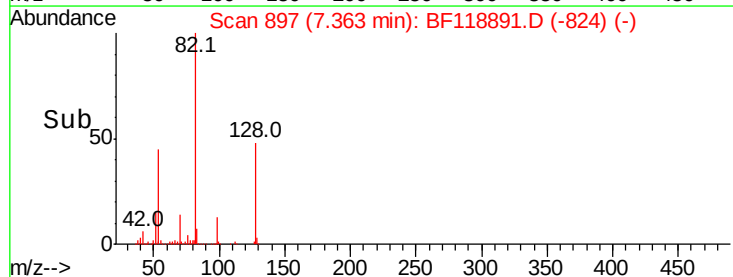
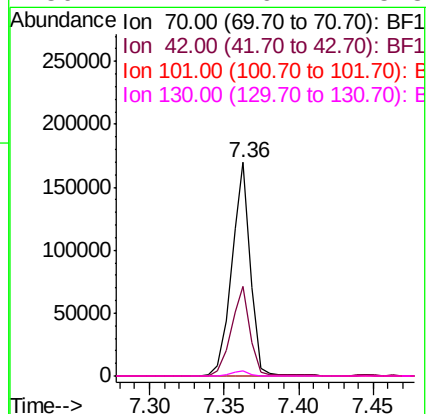
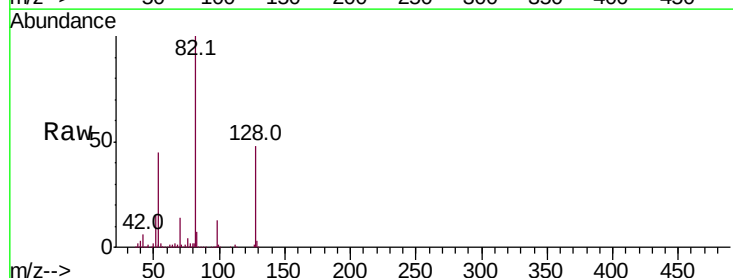
Ion Ratio Lower Upper

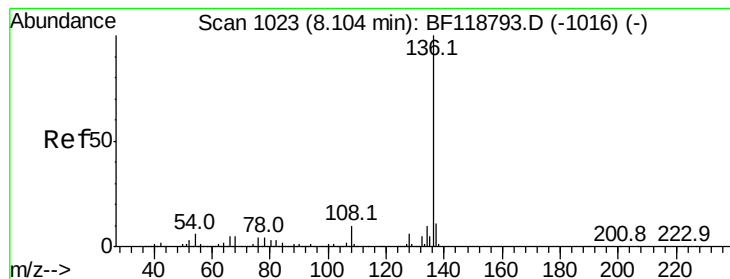
70 100

42 42.2 41.5 62.3

101 0.0 8.3 12.5#

130 2.2 19.2 28.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF118891.D

Acq: 11 Feb 2020 18:38

Instrument :

BNA_F

ClientSampleId :

SP-2

Tot Ion:136 Resp: 944825

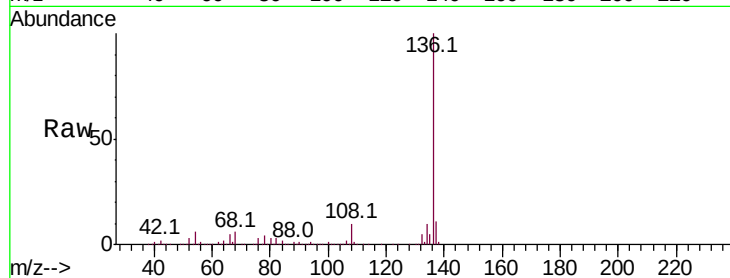
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 6.3 5.0 7.6

68 5.8 4.2 6.4

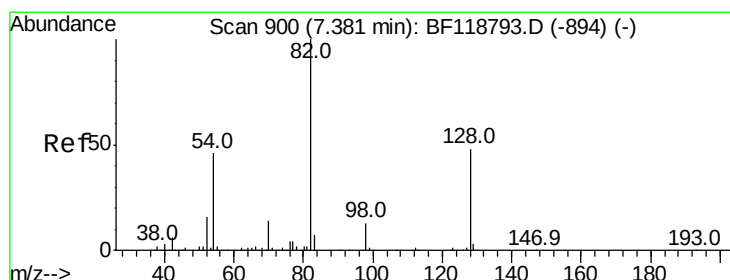
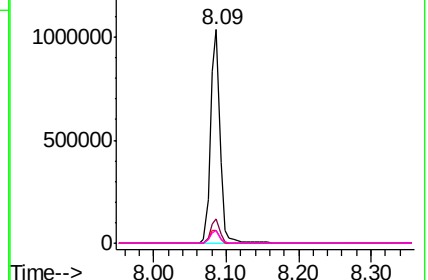
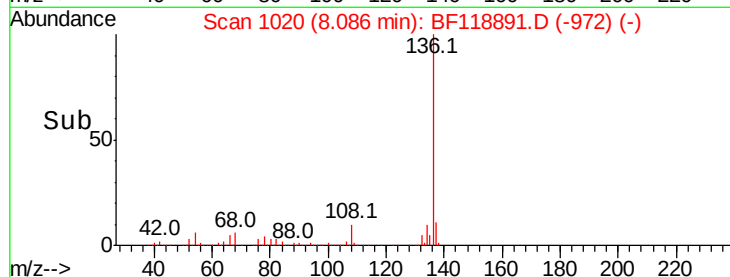


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.392 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF118891.D

Acq: 11 Feb 2020 18:38

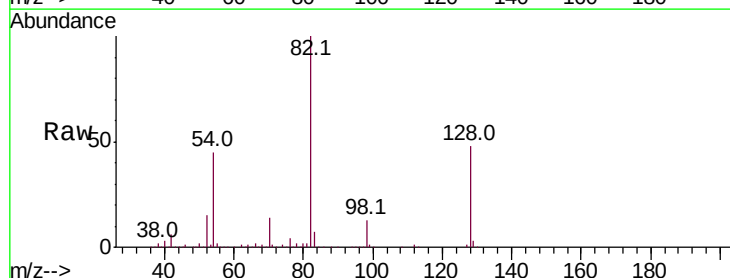
Tgt Ion: 82 Resp: 1099969

Ion Ratio Lower Upper

82 100

128 47.6 38.5 57.7

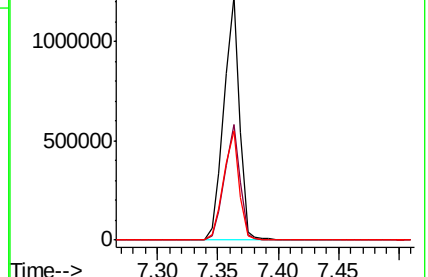
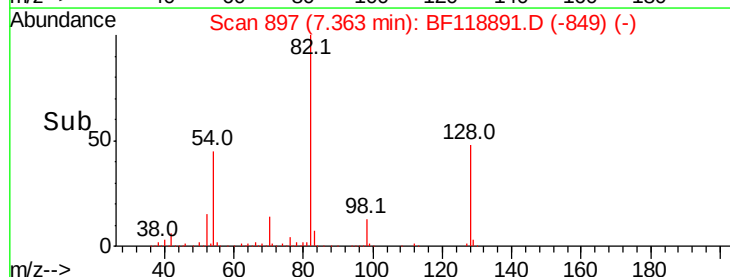
54 45.1 36.7 55.1

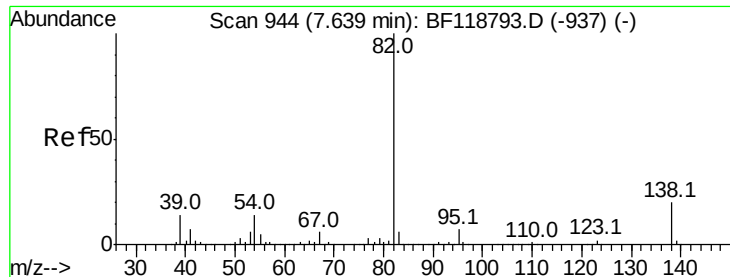


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.611 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.28 min

Lab File: BF118891.D

Acq: 11 Feb 2020 18:38

Instrument :

BNA_F

ClientSampleId :

SP-2

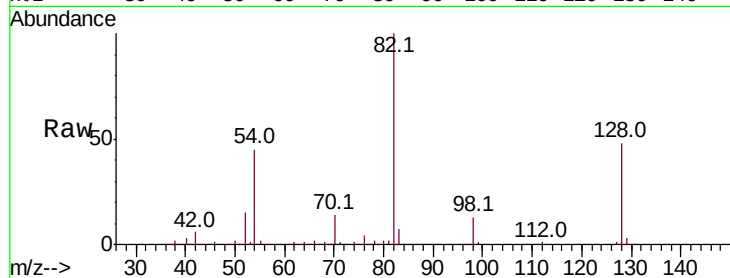
Tot Ion: 82 Resp: 1099954

Ion Ratio Lower Upper

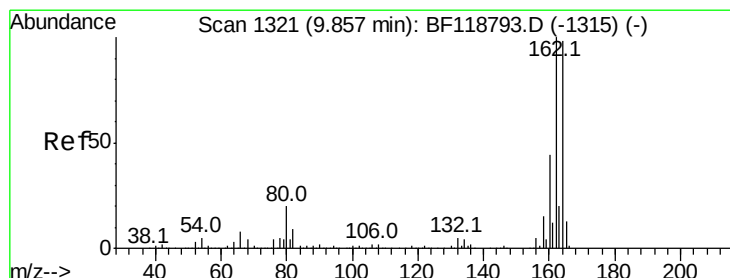
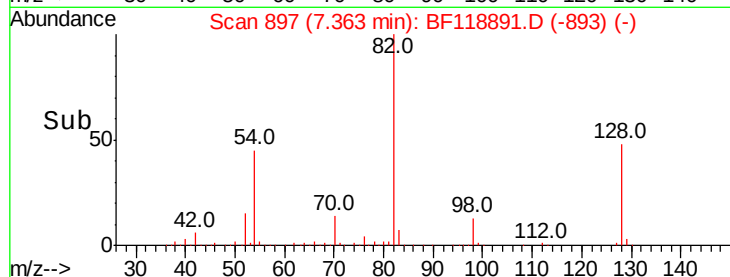
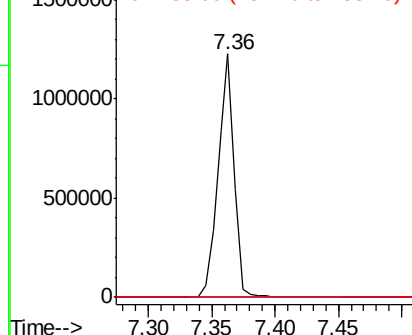
82 100

95 0.0 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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF118891.D

Acq: 11 Feb 2020 18:38

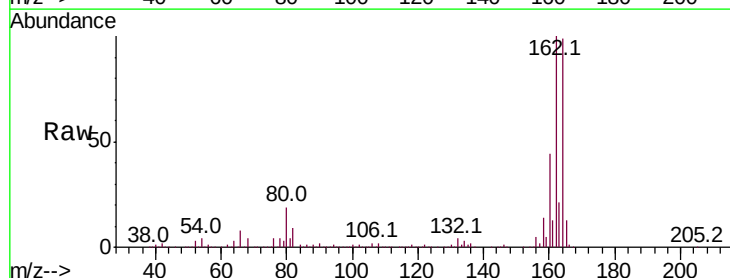
Tgt Ion:164 Resp: 484712

Ion Ratio Lower Upper

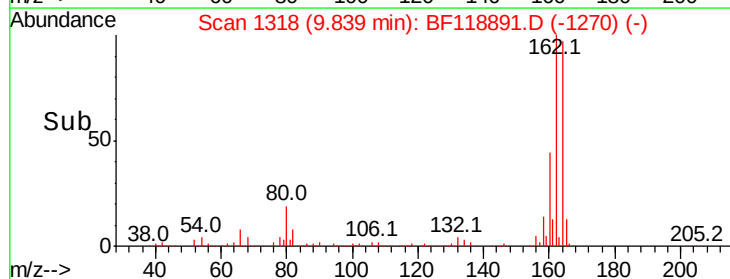
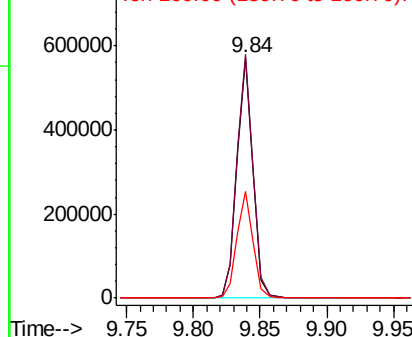
164 100

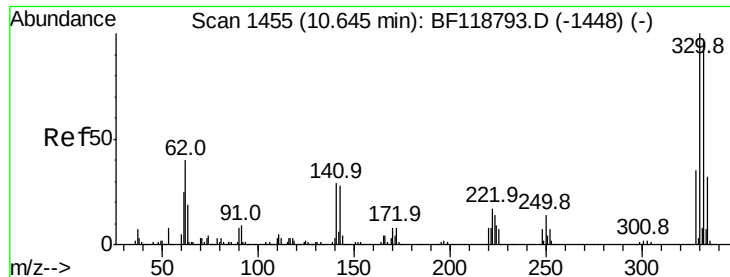
162 101.4 81.4 122.2

160 44.4 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

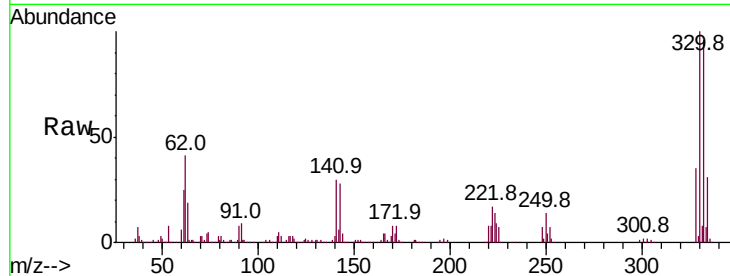




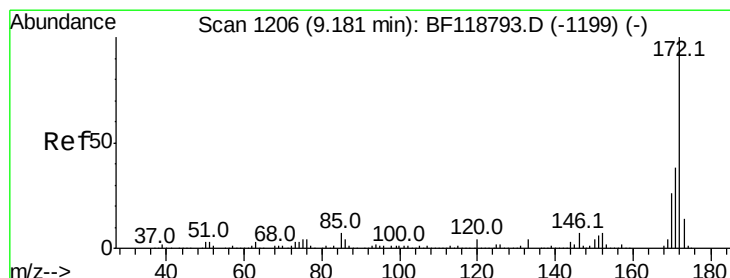
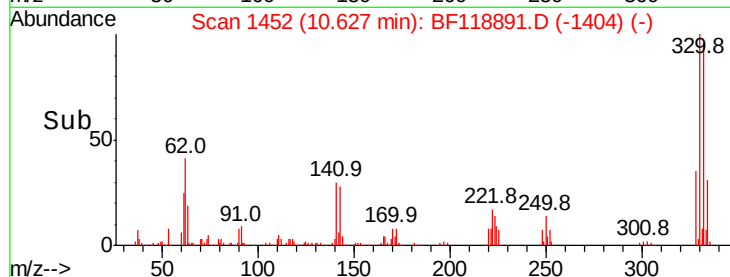
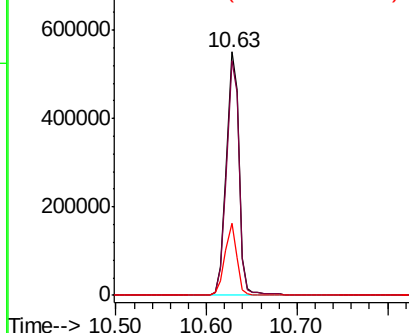
#42
 2,4,6-Tribromophenol
 Concen: 91.005 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF118891.D
 Acq: 11 Feb 2020 18:38

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	27.8	22.4	33.6

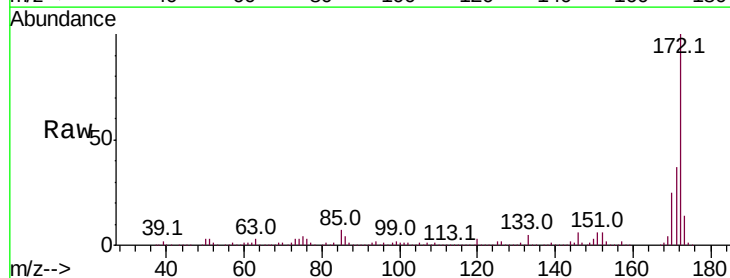


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

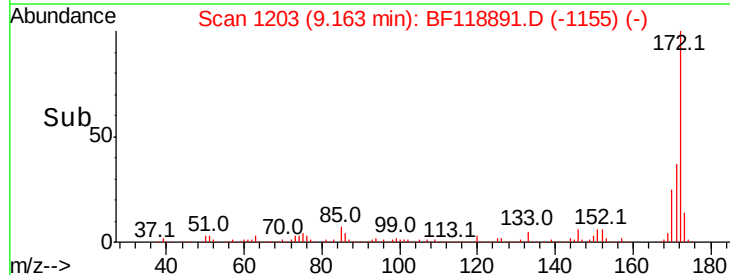
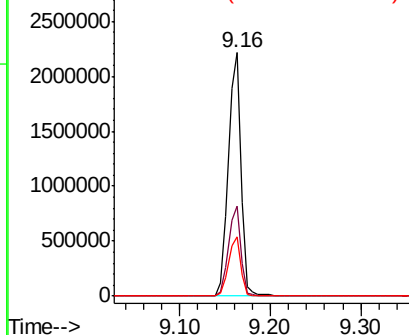


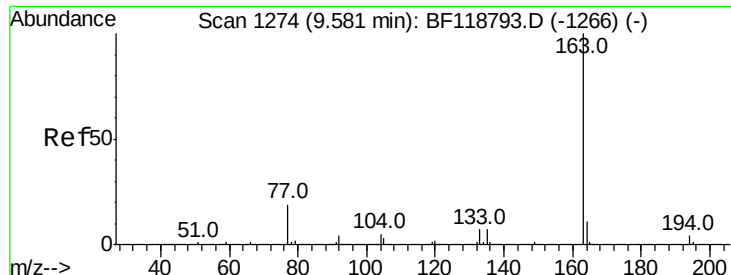
#45
 2-Fluorobiphenyl
 Concen: 78.432 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.02 min
 Lab File: BF118891.D
 Acq: 11 Feb 2020 18:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.8	46.2
170	24.5	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

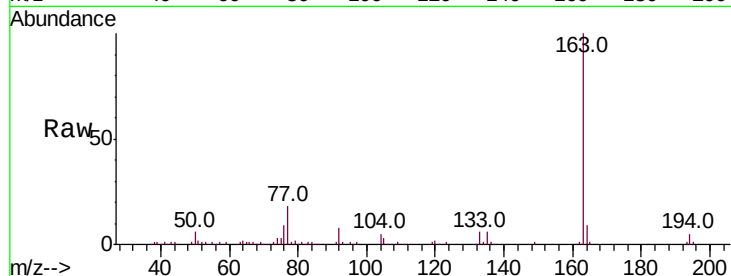




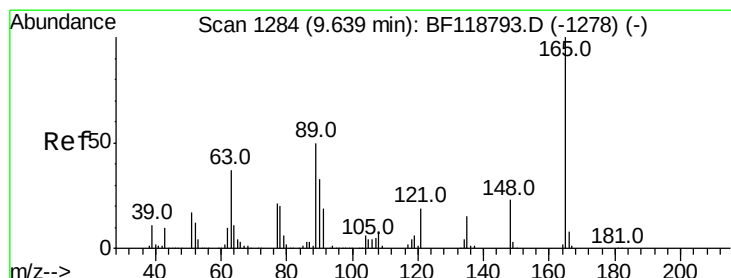
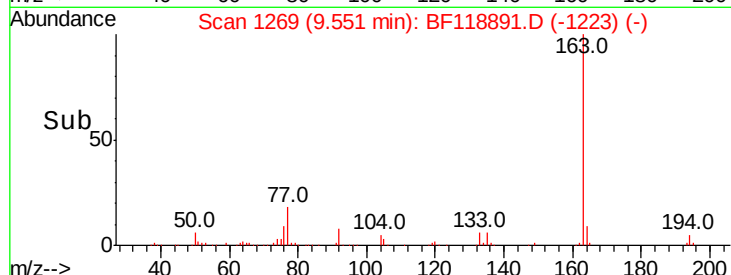
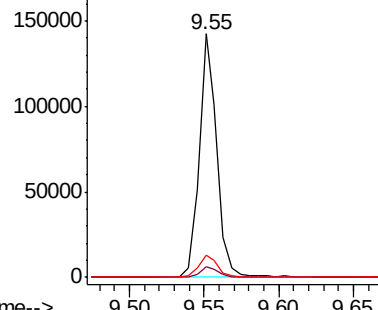
#50
Dimethylphthalate
Concen: 3.604 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.03 min
Lab File: BF118891.D
Acq: 11 Feb 2020 18:38

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:163 Resp: 118958
Ion Ratio Lower Upper
163 100
194 4.6 3.6 5.4
164 9.1 8.7 13.1

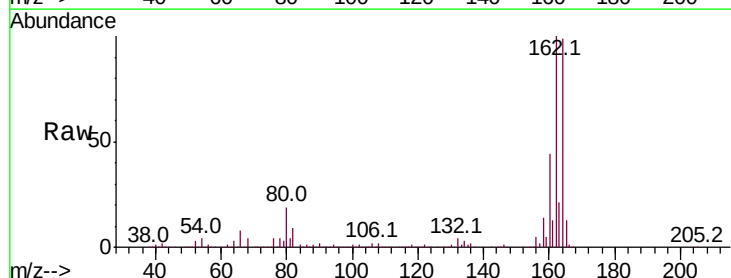


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

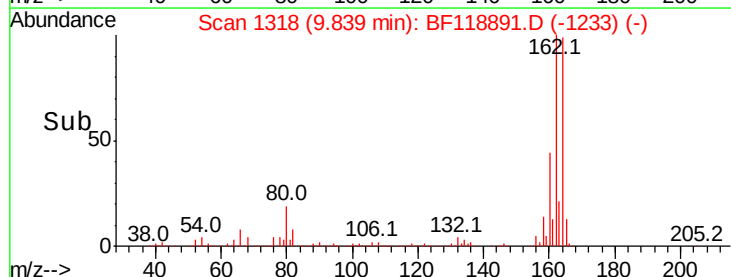
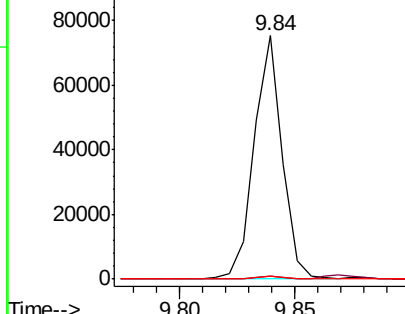


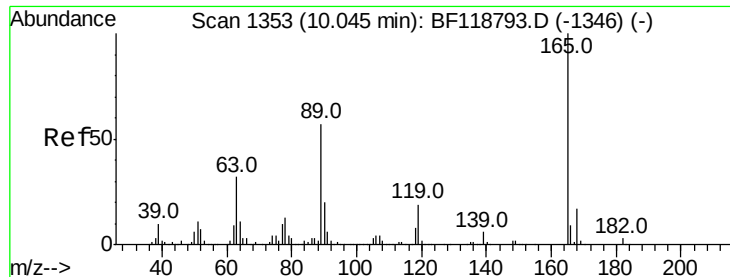
#51
2,6-Dinitrotoluene
Concen: 8.479 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.20 min
Lab File: BF118891.D
Acq: 11 Feb 2020 18:38

Tgt Ion:165 Resp: 64028
Ion Ratio Lower Upper
165 100
63 1.0 37.4 56.0#
89 1.0 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: 6.407 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

Lab File: BF118891.D

Acq: 11 Feb 2020 18:38

Instrument :

BNA_F

ClientSampleId :

SP-2

Tot Ion:165 Resp: 64028

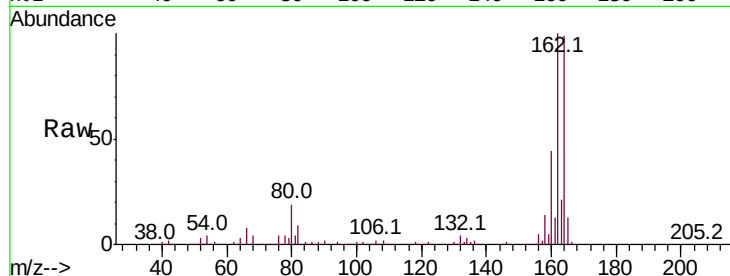
Ion Ratio Lower Upper

165 100

63 1.0 25.5 38.3#

89 1.0 45.4 68.0#

182 0.0 2.4 3.6#

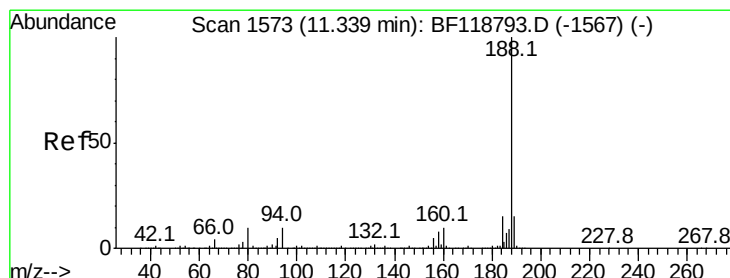
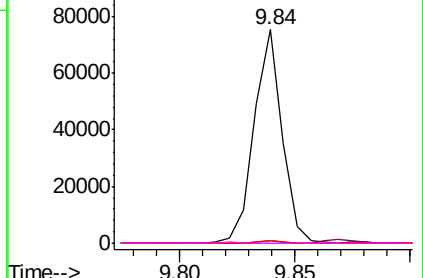
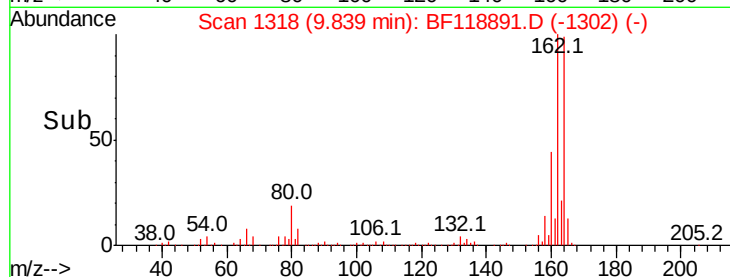


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF118891.D

Acq: 11 Feb 2020 18:38

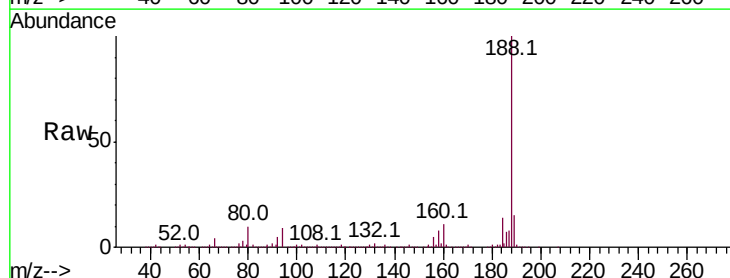
Tgt Ion:188 Resp: 830508

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

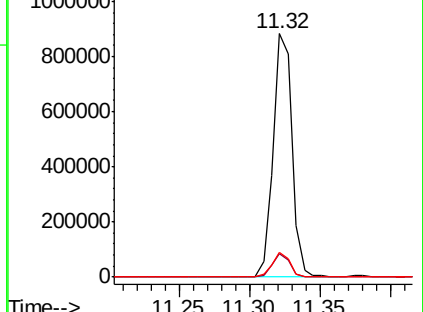
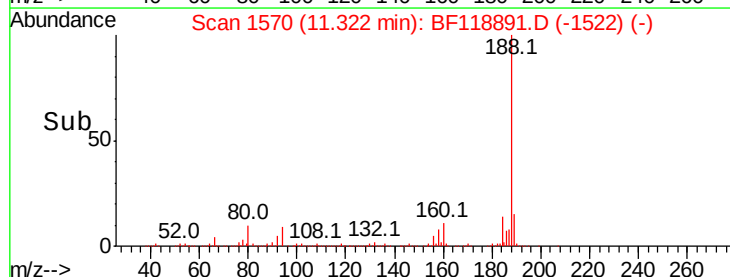
80 10.2 8.4 12.6

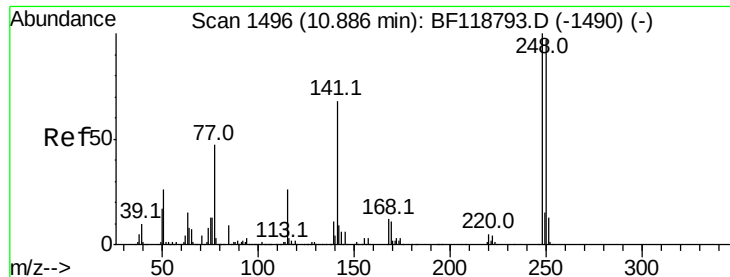


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

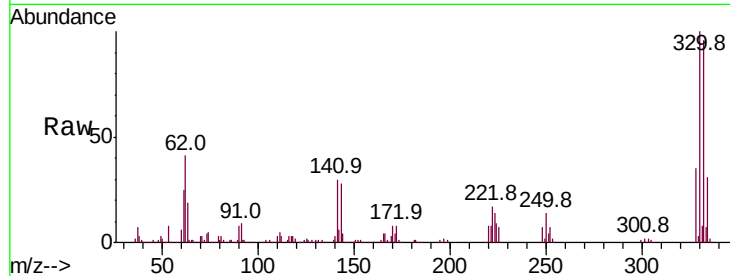




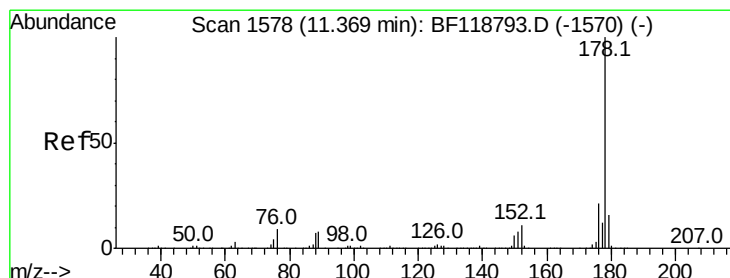
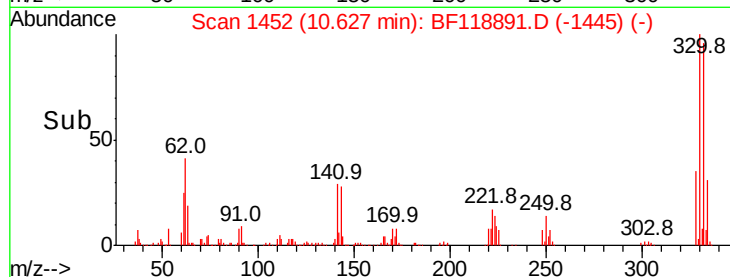
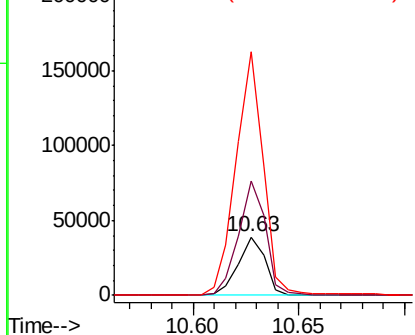
#67
 4-Bromophenyl-phenylether
 Concen: 3.529 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.26 min
 Lab File: BF118891.D
 Acq: 11 Feb 2020 18:38

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tot Ion:248 Resp: 34670
 Ion Ratio Lower Upper
 248 100
 250 194.9 77.6 116.4#
 141 416.6 54.4 81.6#

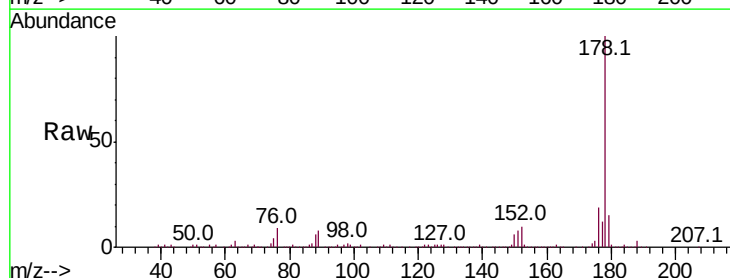


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

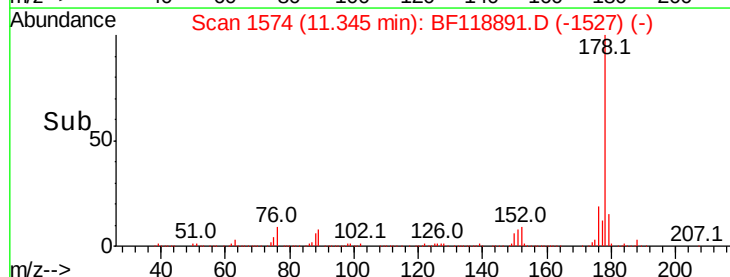
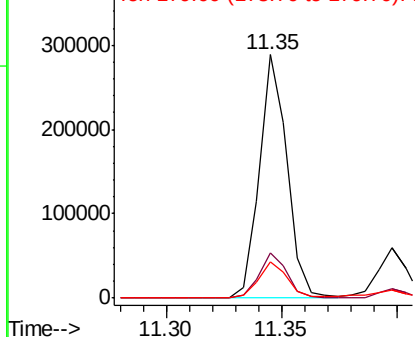


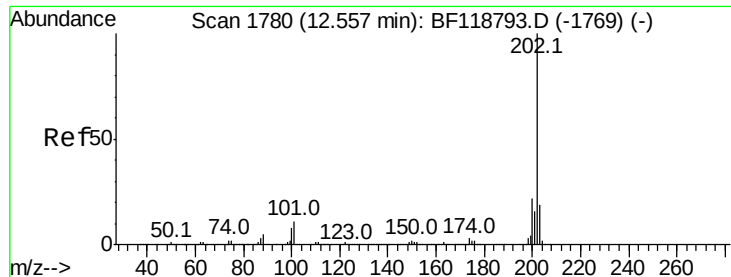
#71
 Phenanthrene
 Concen: 5.903 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF118891.D
 Acq: 11 Feb 2020 18:38

Tgt Ion:178 Resp: 241197
 Ion Ratio Lower Upper
 178 100
 176 18.7 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: 8.815 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF118891.D

Acq: 11 Feb 2020 18:38

Instrument :

BNA_F

ClientSampleId :

SP-2

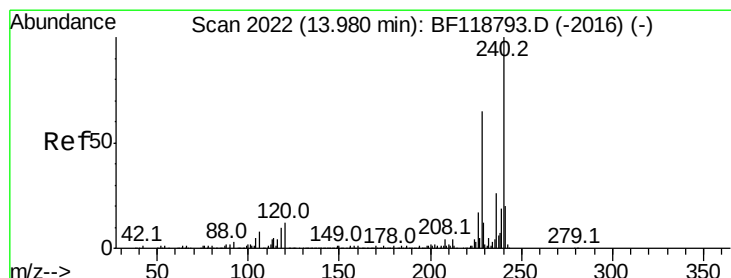
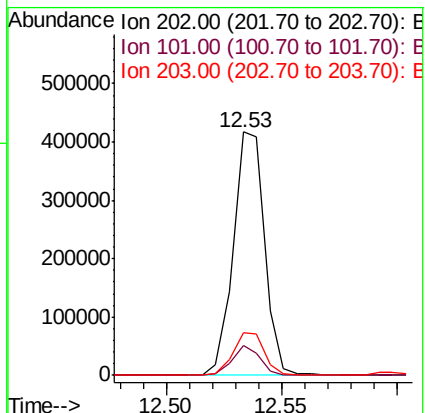
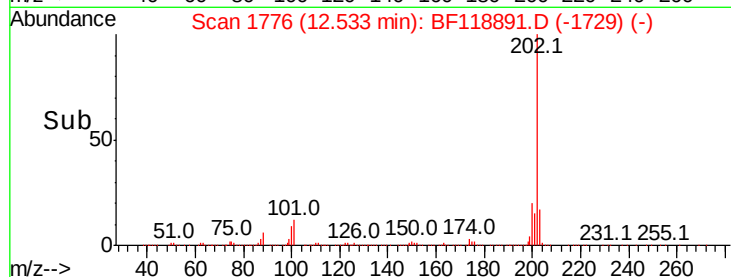
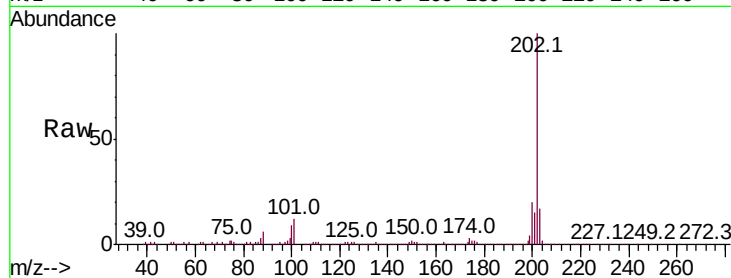
Tot Ion:202 Resp: 393277

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.0

203 17.3 0.0 38.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF118891.D

Acq: 11 Feb 2020 18:38

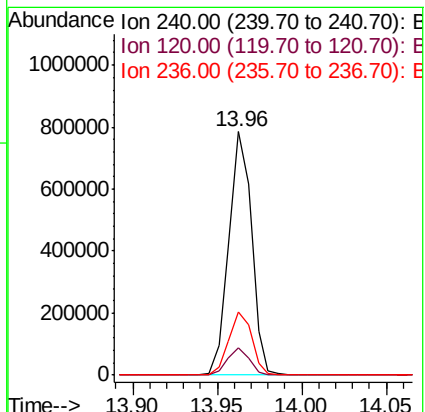
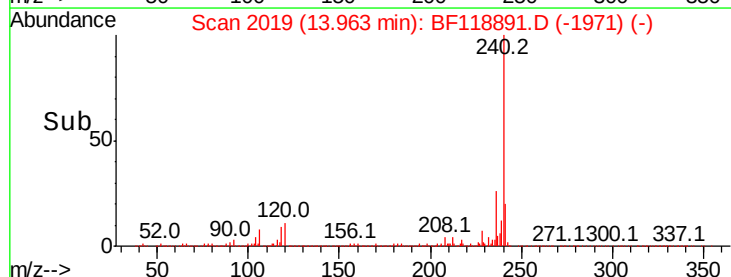
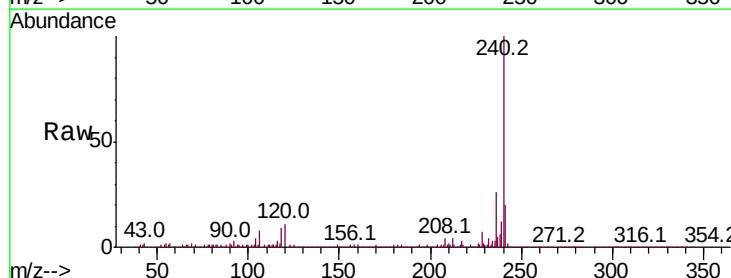
Tgt Ion:240 Resp: 734176

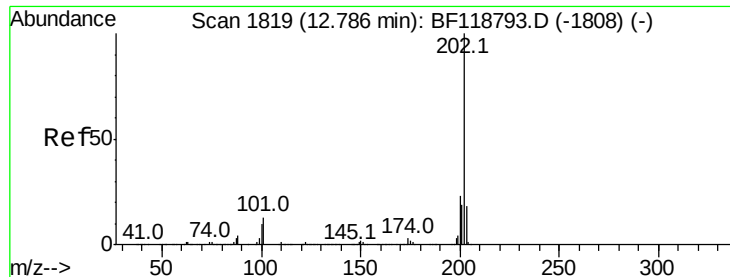
Ion Ratio Lower Upper

240 100

120 11.0 9.4 14.0

236 26.0 21.0 31.6

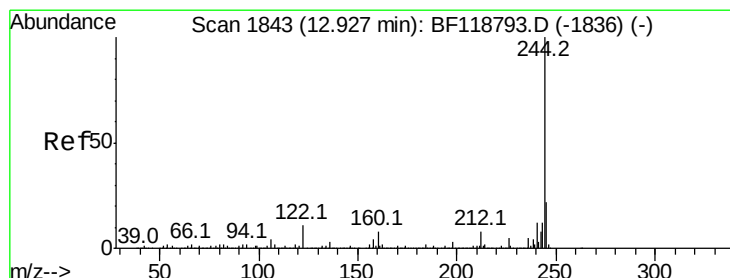
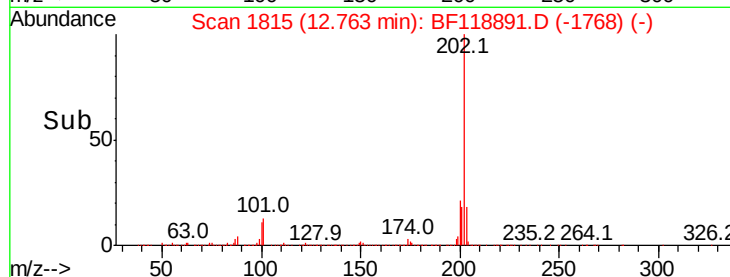
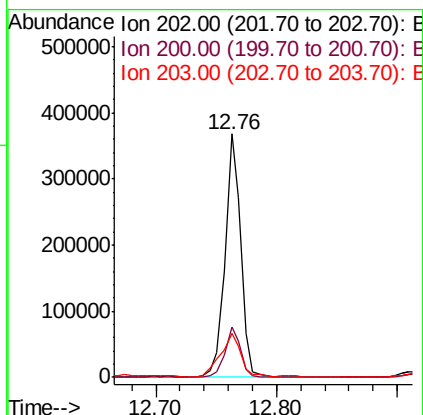
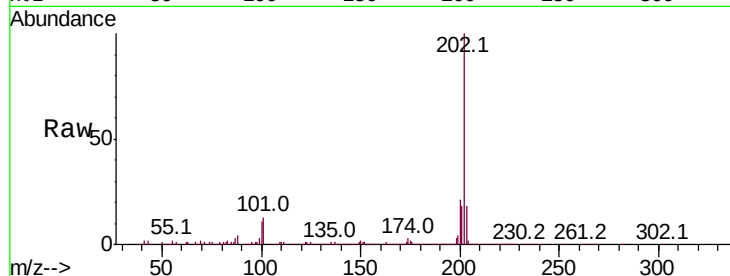




#78
Pvrene
Concen: 6.507 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF118891.D
Acq: 11 Feb 2020 18:38

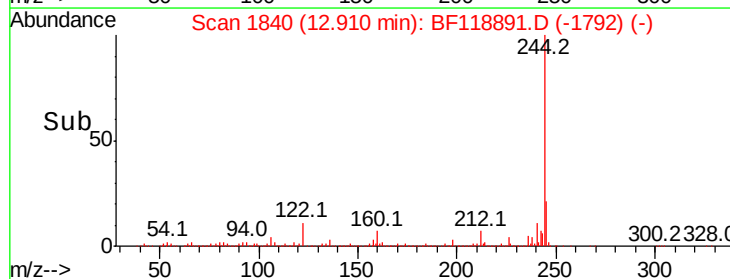
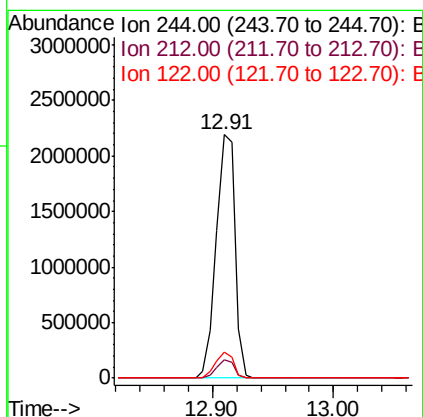
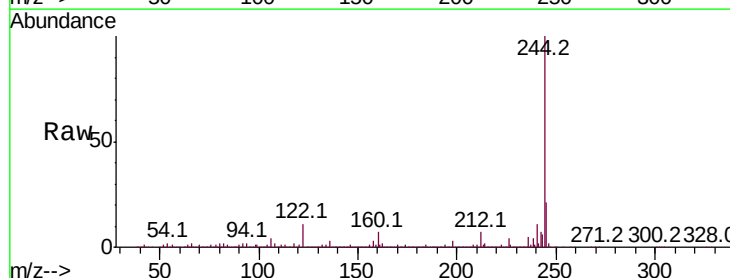
Instrument :
BNA_F
ClientSampled :
SP-2

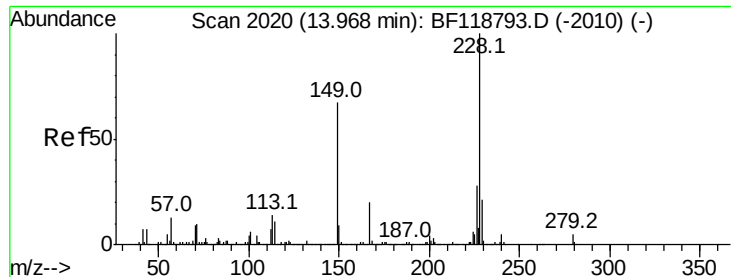
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	18.2	27.2
203	17.9	14.8	22.2



#79
Terphenyl-d14
Concen: 65.433 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.02 min
Lab File: BF118891.D
Acq: 11 Feb 2020 18:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.5	9.7
122	10.8	8.9	13.3

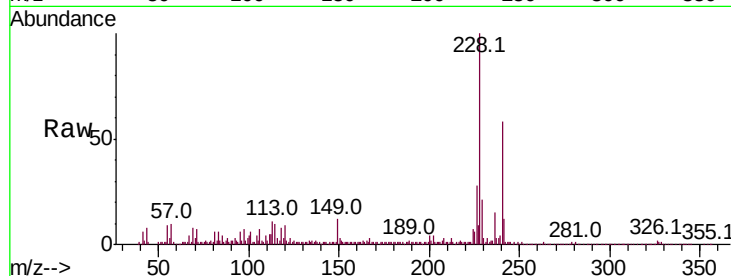




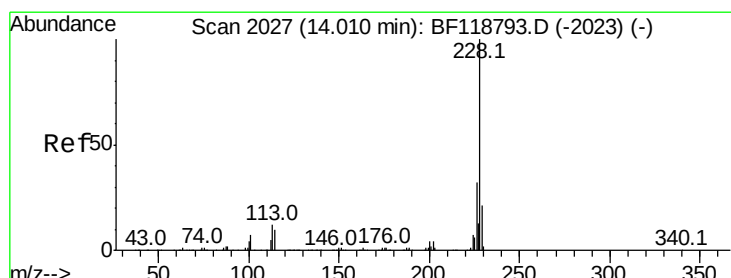
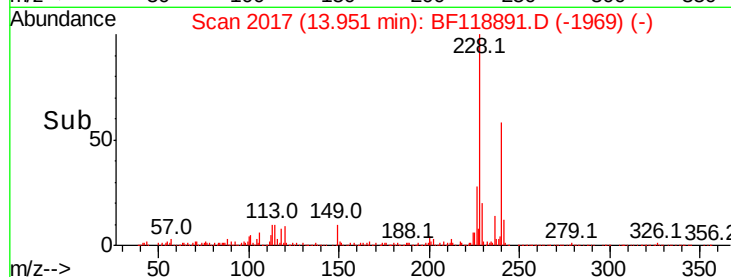
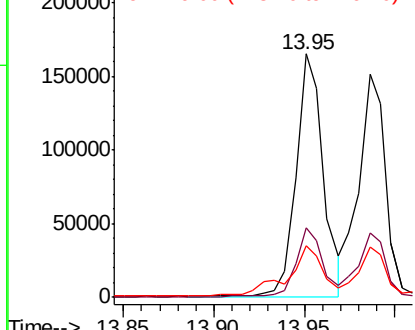
#81
Benzo(a)anthracene
Concen: 3.996 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF118891.D
Acq: 11 Feb 2020 18:38

Instrument :
BNA_F
ClientSampleId :
SP-2

Tot Ion:228 Resp: 174590
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 21.0 16.6 25.0

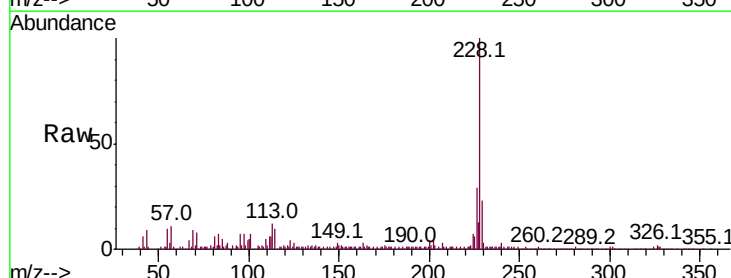


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

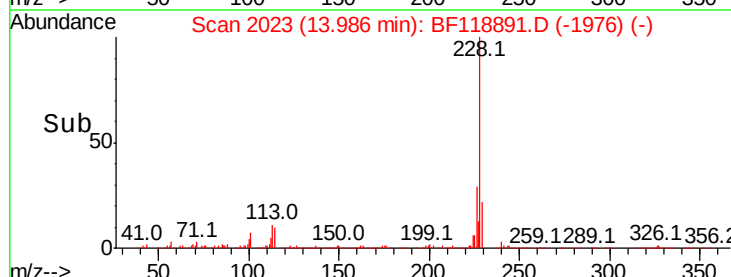
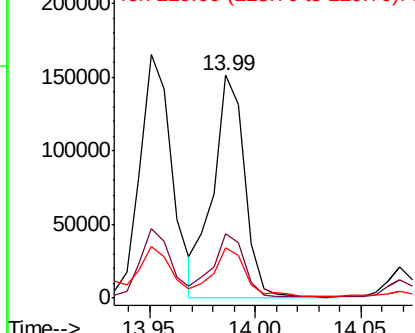


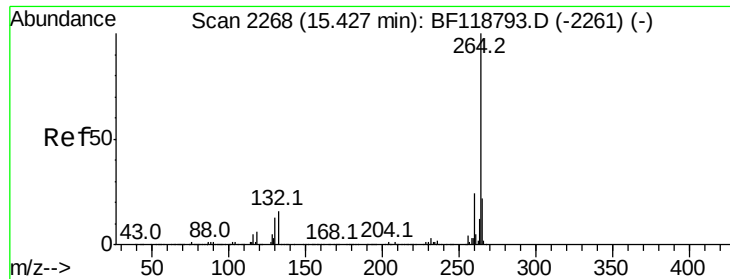
#83
Chrysene
Concen: 3.557 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF118891.D
Acq: 11 Feb 2020 18:38

Tgt Ion:228 Resp: 155981
Ion Ratio Lower Upper
228 100
226 29.1 25.4 38.0
229 22.6 16.9 25.3



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF118891.D

Acq: 11 Feb 2020 18:38

Instrument :

BNA_F

ClientSampleId :

SP-2

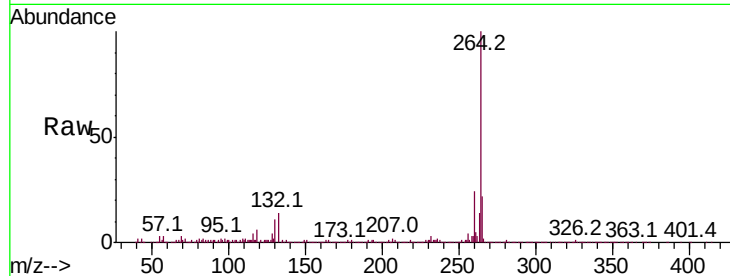
Tot Ion:264 Resp: 681635

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

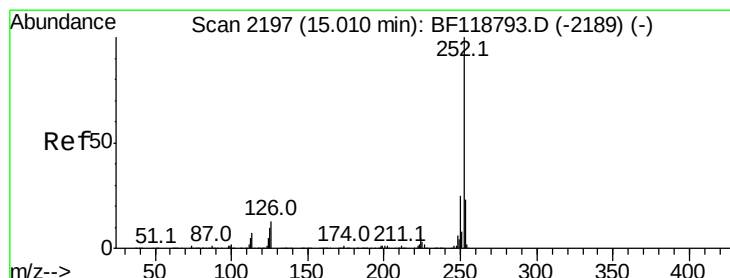
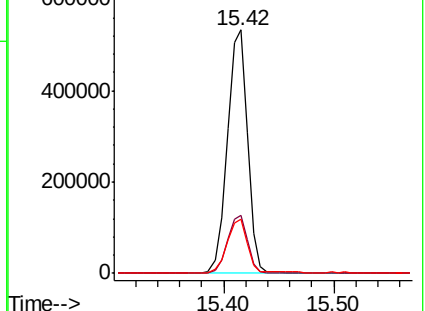
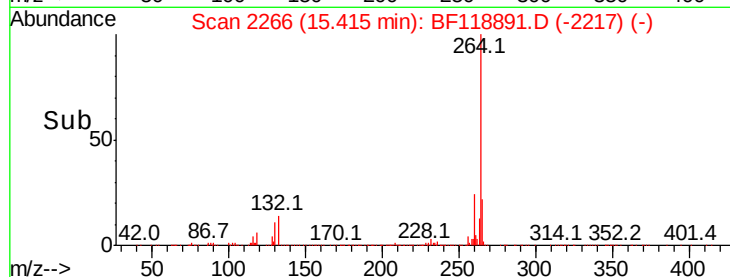
265 22.2 17.2 25.8



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: 6.103 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BF118891.D

Acq: 11 Feb 2020 18:38

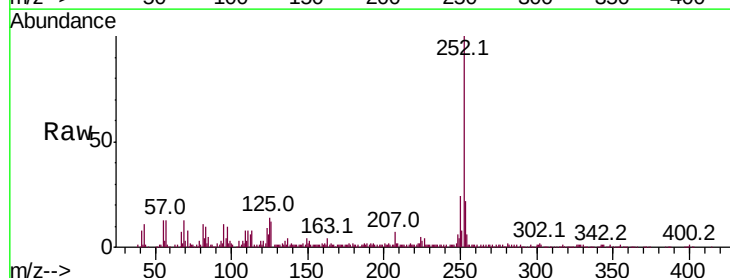
Tgt Ion:252 Resp: 258146

Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

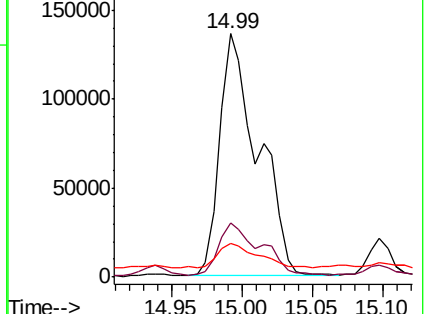
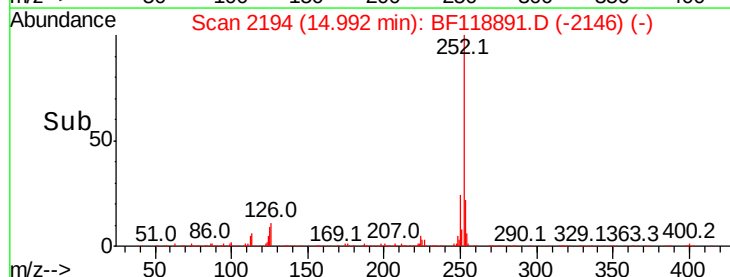
125 13.8 8.1 12.1#

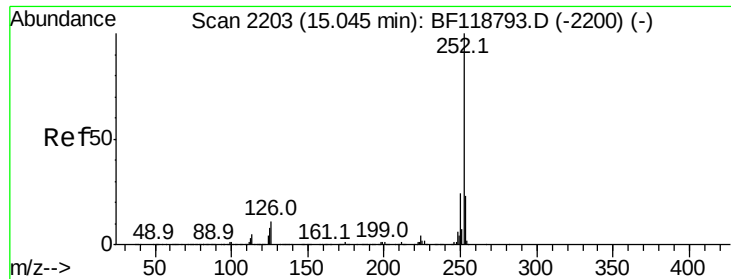


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

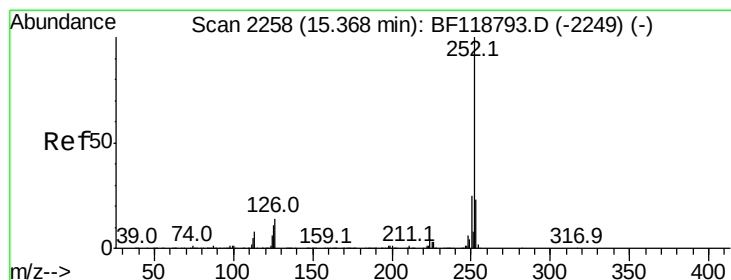
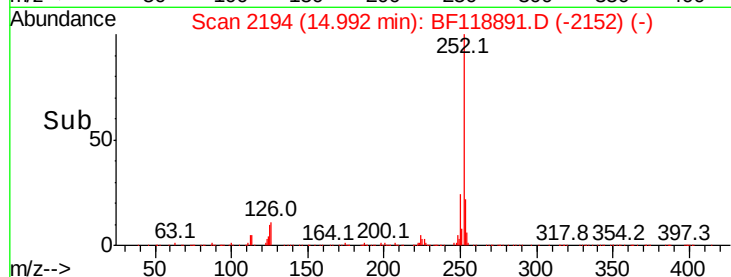
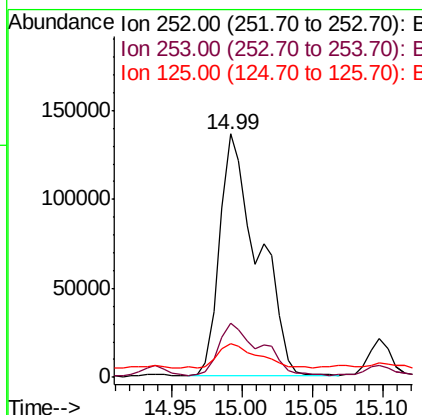
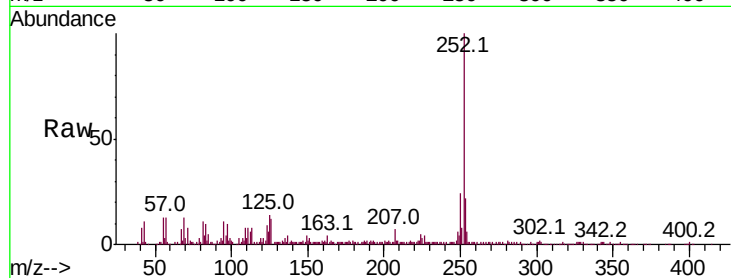




#89
Benzo(k)fluoranthene
Concen: 7.009 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF118891.D
Acq: 11 Feb 2020 18:38

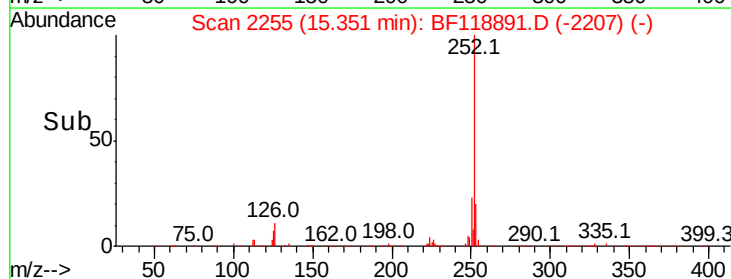
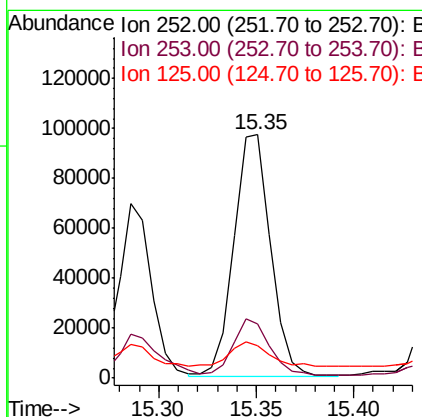
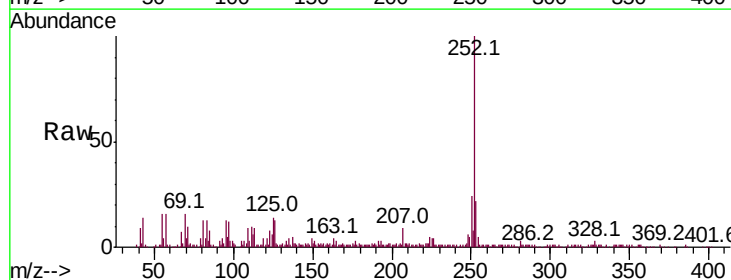
Instrument :
BNA_F
ClientSampleId :
SP-2

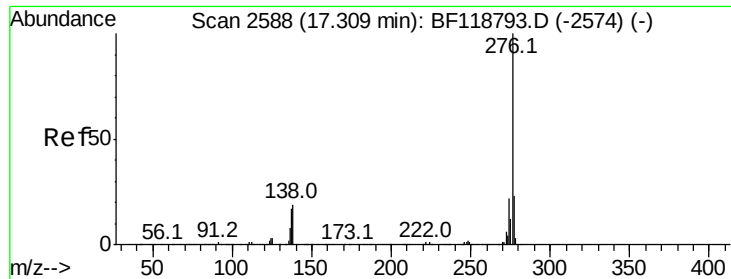
Tot Ion:252 Resp: 258146
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.4
125 13.8 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 3.493 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118891.D
Acq: 11 Feb 2020 18:38

Tgt Ion:252 Resp: 126448
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 13.5 8.7 13.1#





#92
 Benzo(a,h,i)perylene
 Concen: 2.250 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. -0.04 min
 Lab File: BF118891.D
 Acq: 11 Feb 2020 18:38

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tot Ion:276 Resp: 69524
 Ion Ratio Lower Upper
 276 100
 277 25.7 18.7 28.1
 138 21.1 15.4 23.2

