

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118890.D
 Acq On : 11 Feb 2020 18:09
 Operator : CG/JU
 Sample : L1484-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Quant Time: Feb 12 06:49:57 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	275771	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	1065796	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	605754	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	1200180	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	1024781	20.00	ng	-0.02
87) Perylene-d12	15.42	264	991869	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1517993	104.20	ng	0.00
7) Phenol-d6	6.44	99	1909161	105.57	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1236161	69.13	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	730089	100.73	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	2370217	69.95	ng	-0.02
79) Terphenyl-d14	12.91	244	3165383	63.45	ng	-0.02

Target Compounds

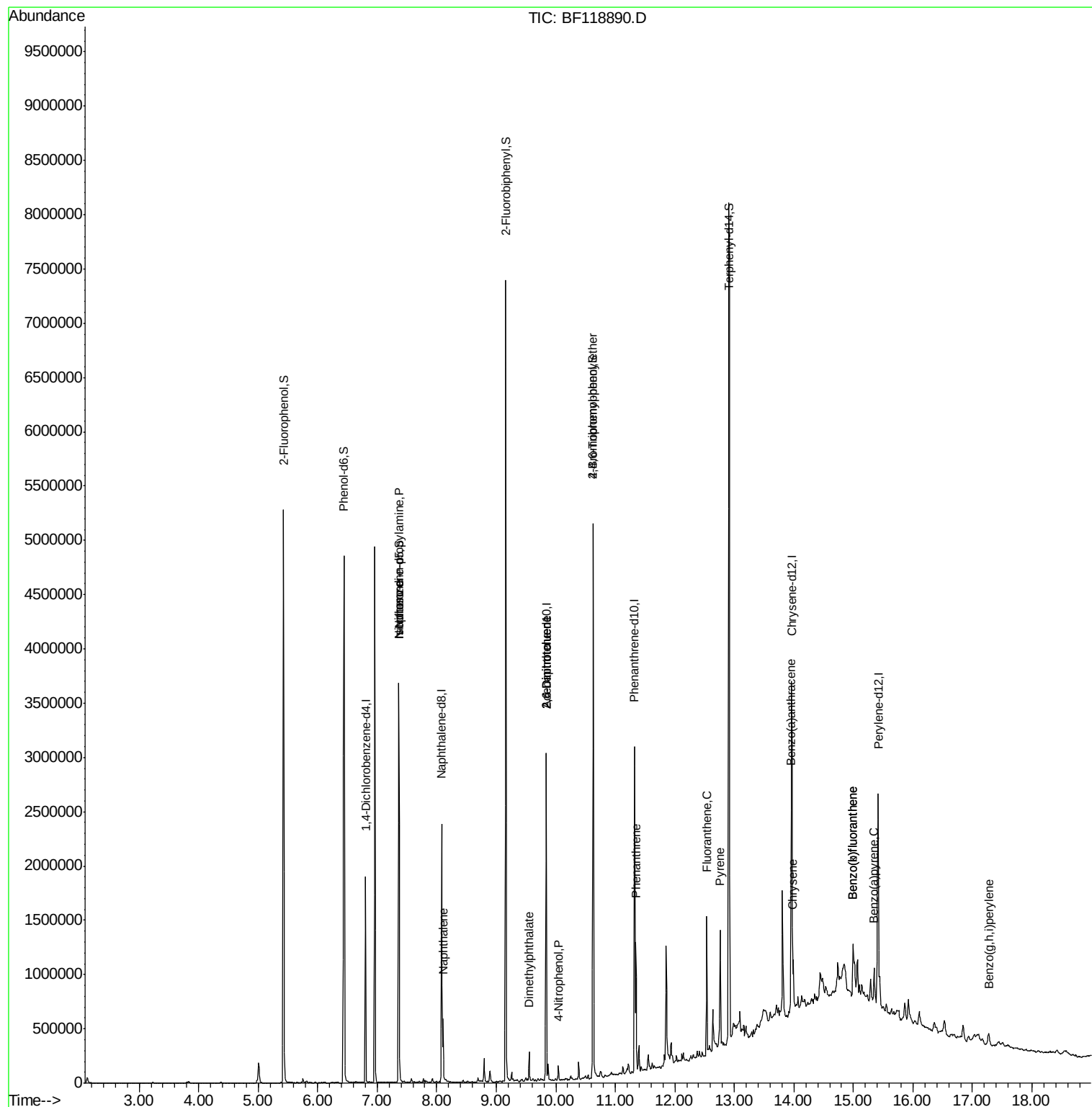
						Qvalue
9) Benzaldehyde	6.35	77	156	Below Cal	#	76
19) n-Nitroso-di-n-propylamine	7.36	70	169025	15.275 ng	#	77
25) Isophorone	7.36	82	1236151	38.466 ng	#	63
31) Naphthalene	8.10	128	186539	3.827 ng		96
50) Dimethylphthalate	9.55	163	105123	2.549 ng		98
51) 2,6-Dinitrotoluene	9.84	165	81504	8.636 ng	#	31
56) 4-Nitrophenol	10.04	139	18689	2.467 ng	#	14
57) 2,4-Dinitrotoluene	9.84	165	81504	6.526 ng	#	34
67) 4-Bromophenyl-phenylether	10.63	248	47101	3.318 ng	#	1
71) Phenanthrene	11.35	178	428526	7.257 ng		97
75) Fluoranthene	12.53	202	526897	8.172 ng		98
78) Pvrene	12.76	202	442395	6.293 ng		98
81) Benzo(a)anthracene	13.95	228	217146	3.561 ng		100
83) Chrysene	13.99	228	205090	3.351 ng		97
88) Benzo(b)fluoranthene	14.99	252	334211	5.430 ng	#	97
89) Benzo(k)fluoranthene	14.99	252	334211	6.236 ng	#	96
90) Benzo(a)pvrene	15.35	252	165078	3.134 ng	#	97
92) Benzo(g,h,i)perylene	17.27	276	90543	2.013 ng		95

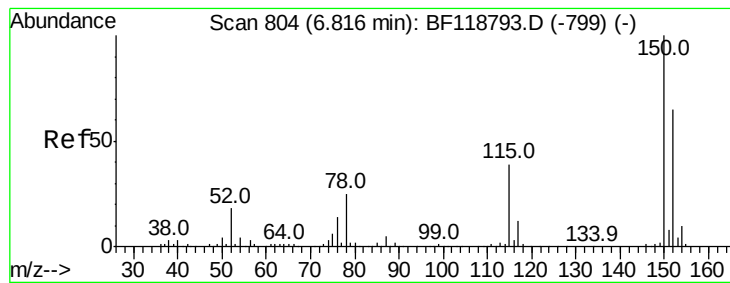
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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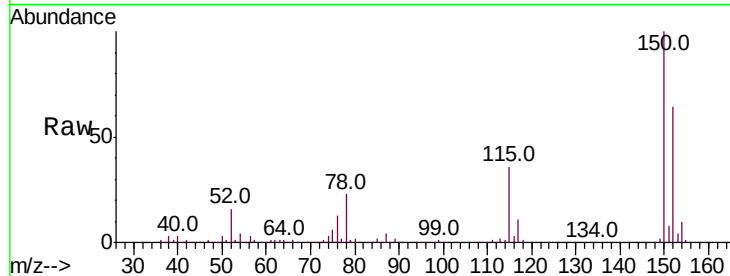


#1

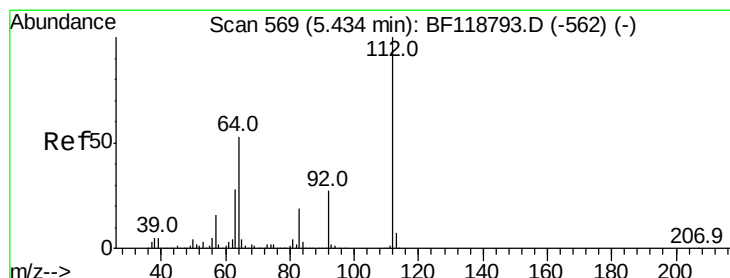
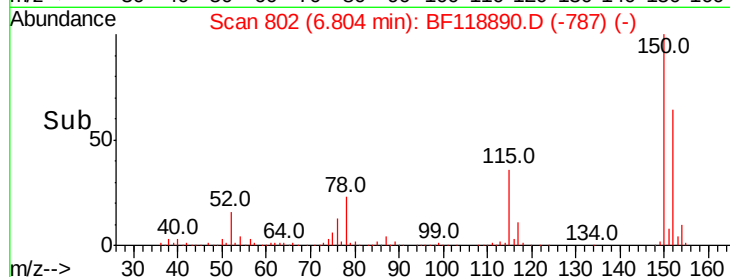
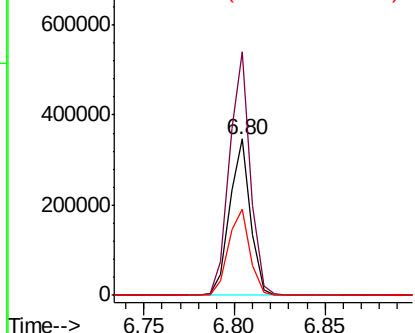
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion:152 Resp: 275771
Ion Ratio Lower Upper
152 100
150 155.6 123.6 185.4
115 55.3 48.2 72.2



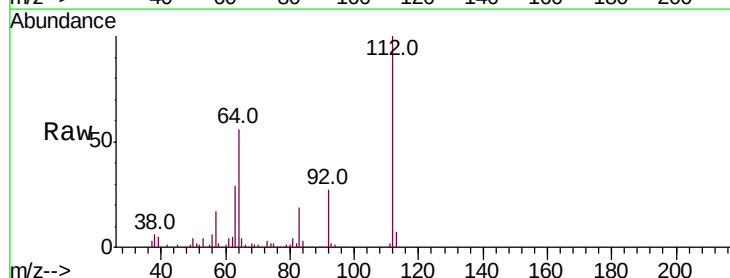
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



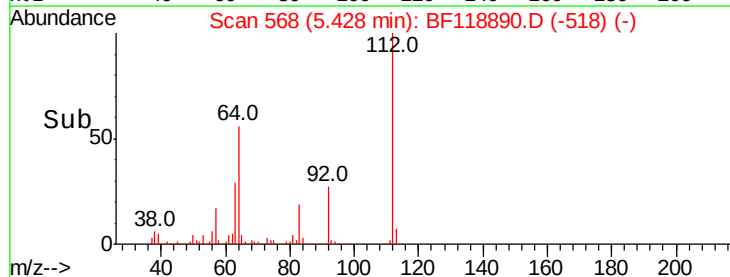
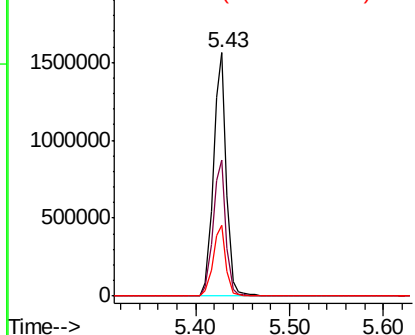
#5

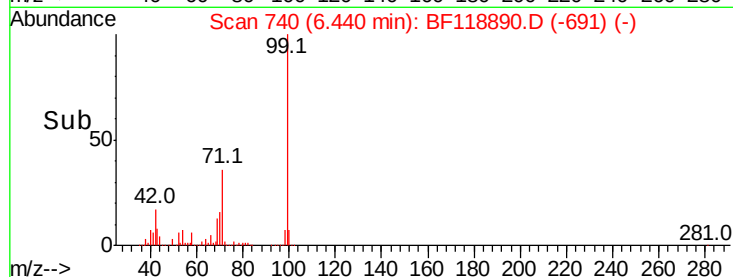
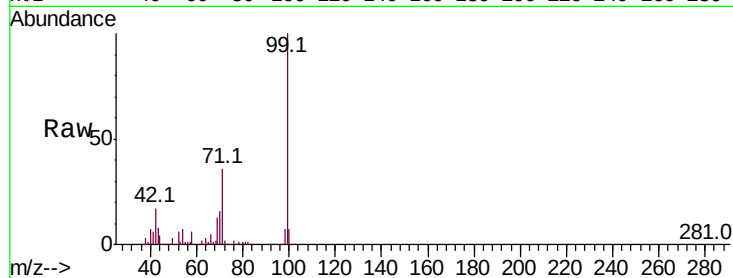
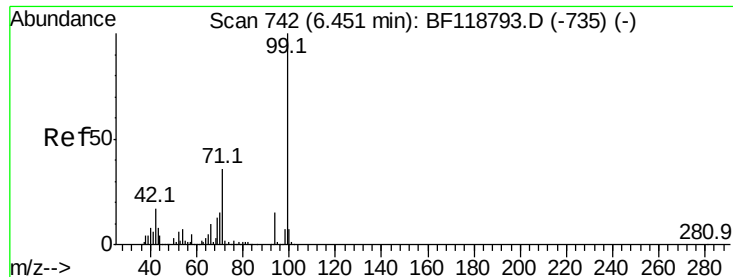
2-Fluorophenol
Concen: 104.197 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion:112 Resp: 1517993
Ion Ratio Lower Upper
112 100
64 55.7 42.6 63.8
63 29.1 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: 105.568 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Instrument :

BNA_F

ClientSampleId :

SP-1

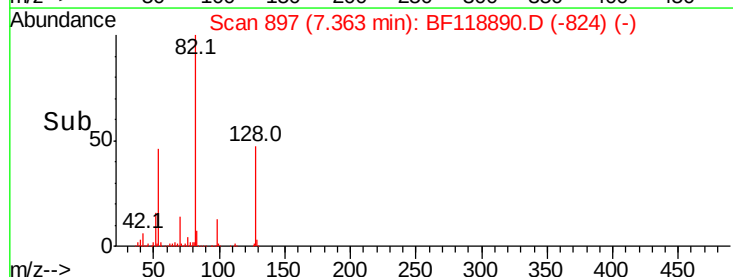
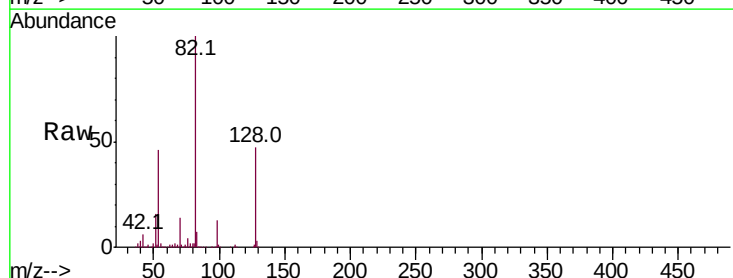
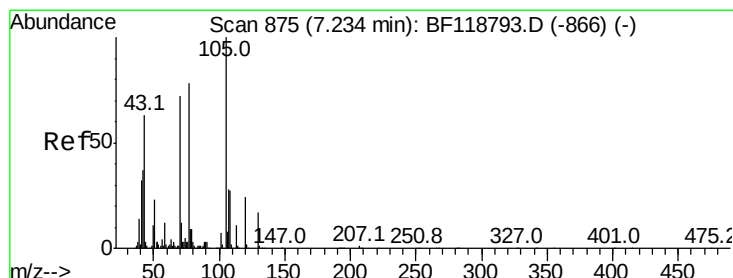
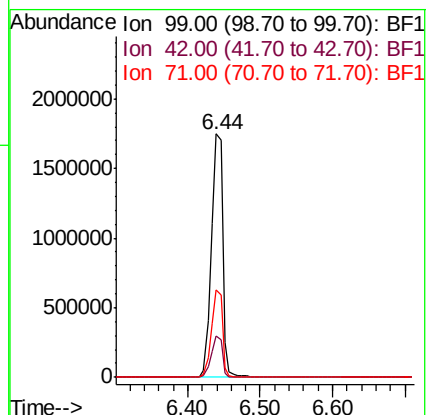
Tot Ion: 99 Resp: 1909161

Ion Ratio Lower Upper

99 100

42 17.2 13.4 20.0

71 36.0 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.275 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.13 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Tgt Ion: 70 Resp: 169025

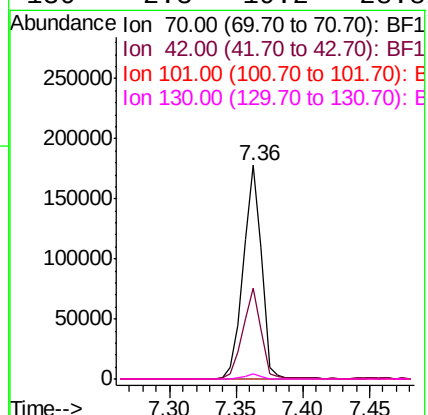
Ion Ratio Lower Upper

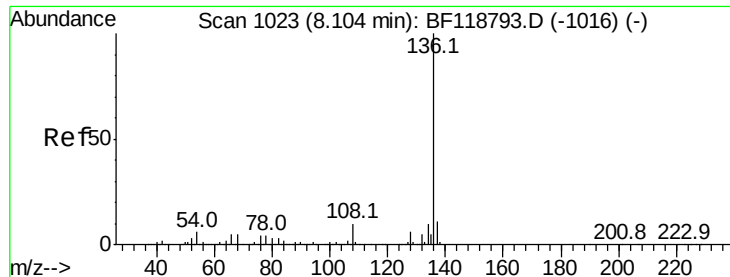
70 100

42 42.8 41.5 62.3

101 0.0 8.3 12.5#

130 2.3 19.2 28.8#

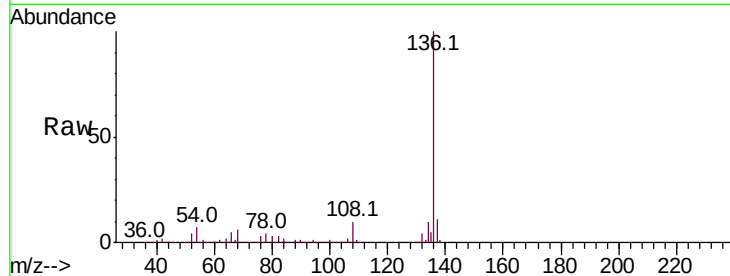




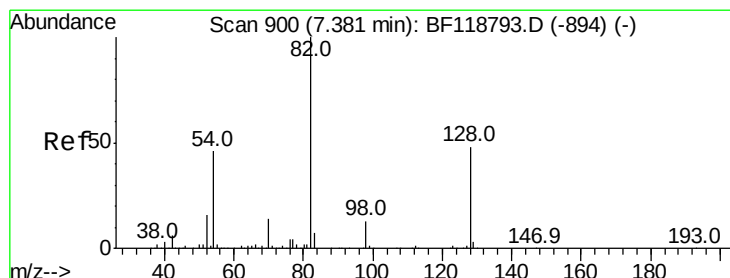
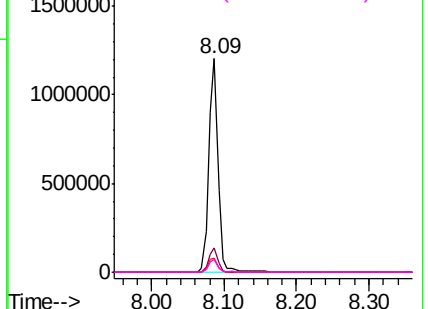
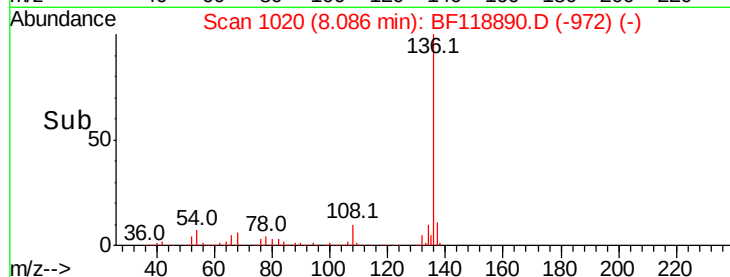
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion:136	Resp: 1065796
Ion Ratio	Lower Upper
136 100	
137 11.1	8.7 13.1
54 6.8	5.0 7.6
68 5.8	4.2 6.4

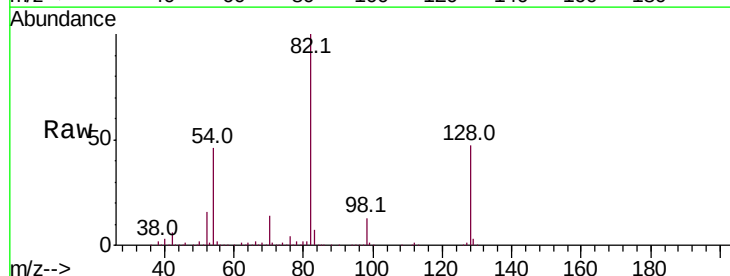


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

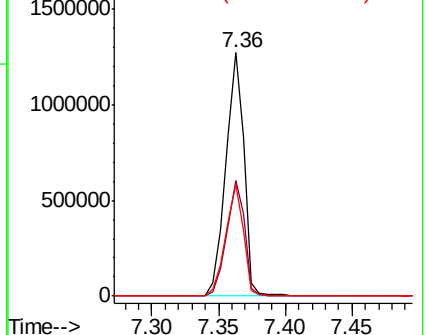
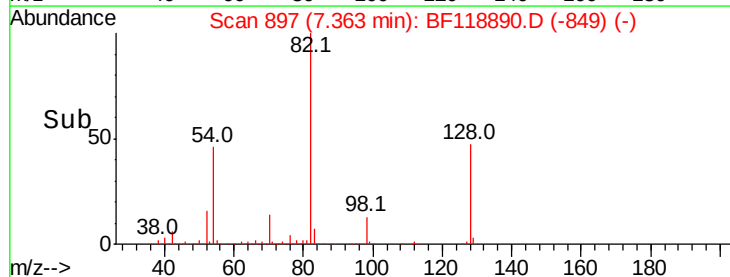


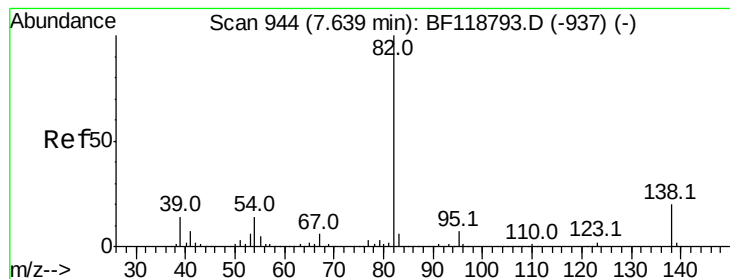
#23
Nitrobenzene-d5
Concen: 69.133 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion: 82	Resp: 1236161
Ion Ratio	Lower Upper
82 100	
128 47.4	38.5 57.7
54 46.0	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: 38.466 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.28 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Instrument :

BNA_F

ClientSampleId :

SP-1

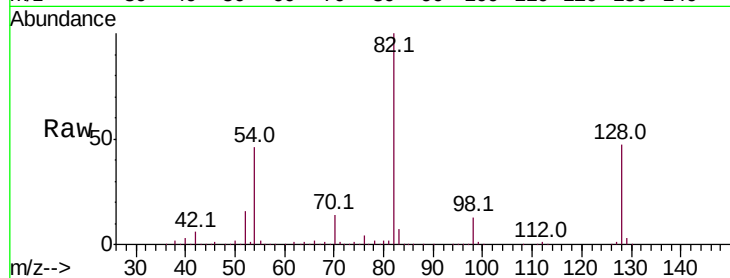
Tot Ion: 82 Resp: 1236151

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

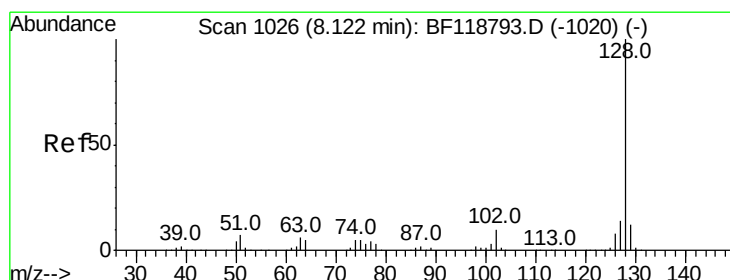
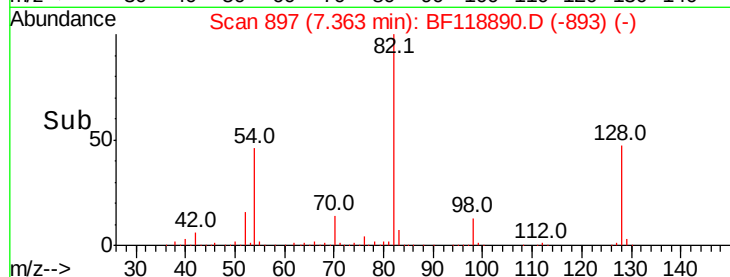
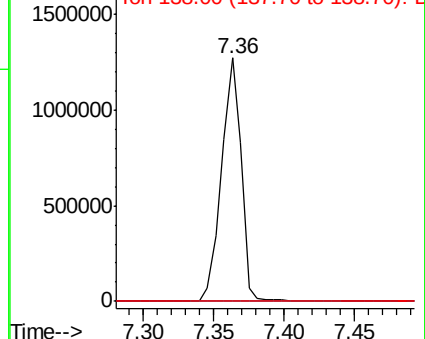
138 0.0 15.7 23.5#



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): BF1



#31

Naphthalene

Concen: 3.827 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

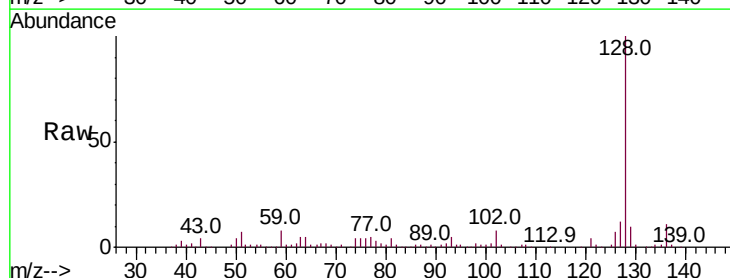
Tgt Ion:128 Resp: 186539

Ion Ratio Lower Upper

128 100

129 10.4 9.4 14.2

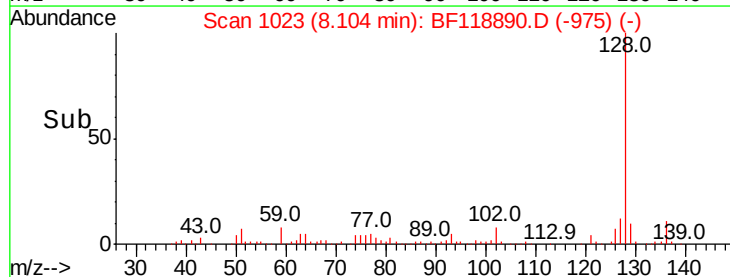
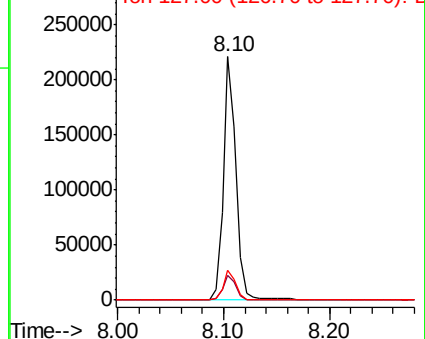
127 12.4 11.3 16.9

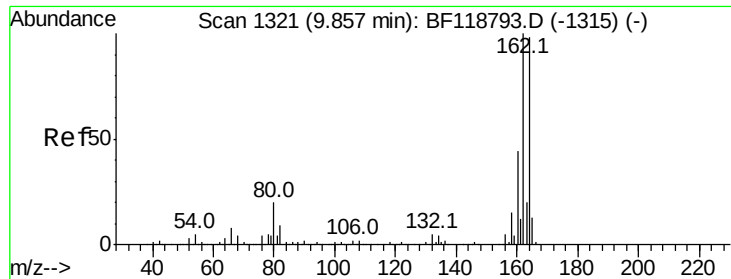


Abundance Ion 128.00 (127.70 to 128.70): E

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: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Instrument :

BNA_F

ClientSampleId :

SP-1

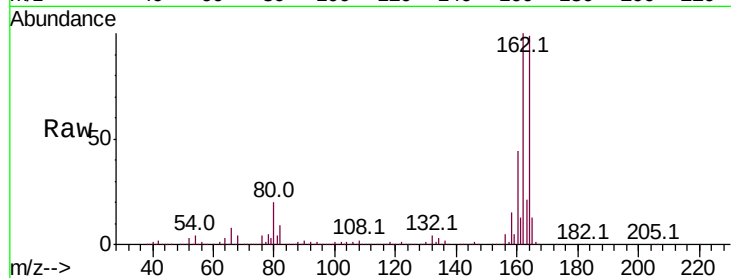
Tot Ion:164 Resp: 605754

Ion Ratio Lower Upper

164 100

162 101.1 81.4 122.2

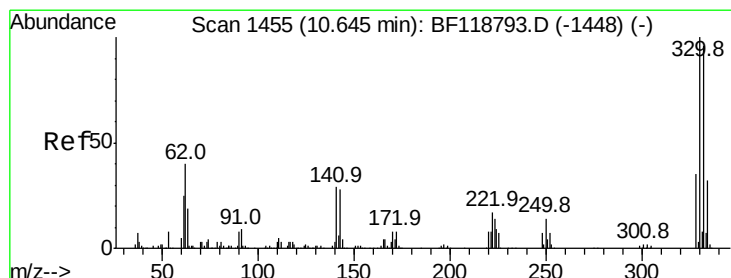
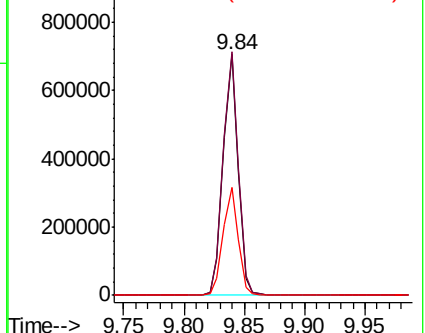
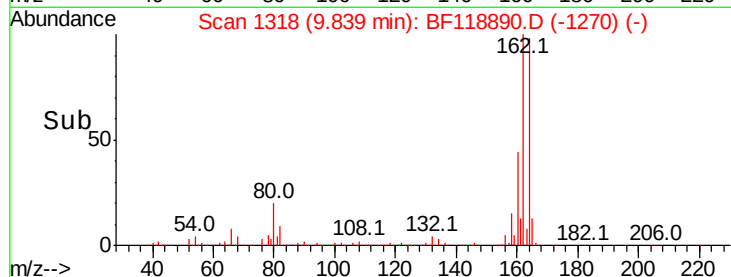
160 44.7 35.6 53.4



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: 100.730 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

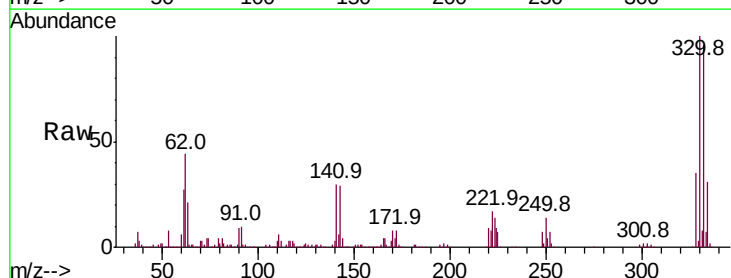
Tgt Ion:330 Resp: 730089

Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

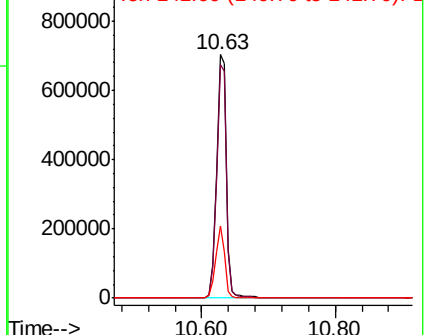
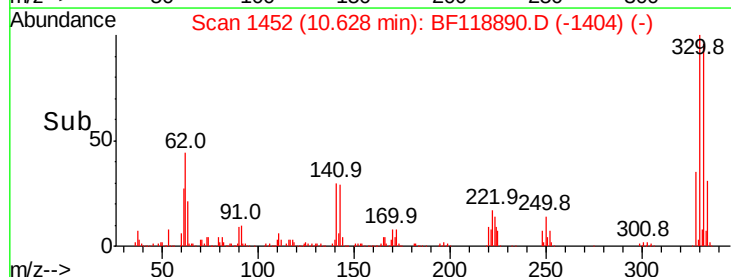
141 27.4 22.4 33.6

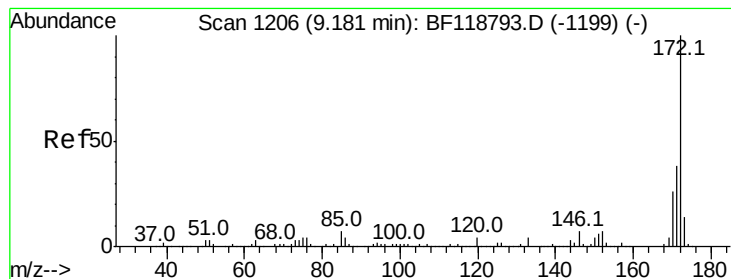


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 69.950 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Instrument :

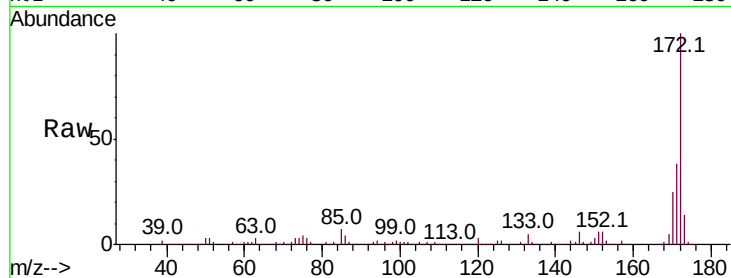
BNA_F

ClientSampleId :

SP-1

Tot Ion:172 Resp: 2370217

Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.8	46.2
170	25.2	20.5	30.7

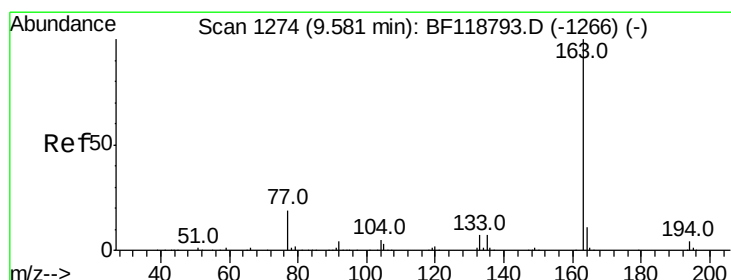
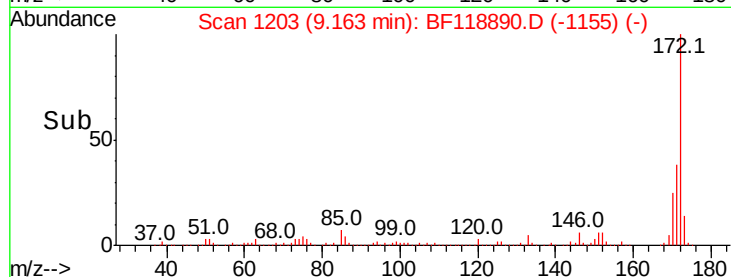
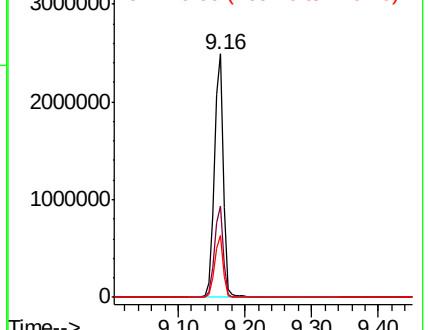


Abundance

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: 2.549 ng

RT: 9.55 min Scan# 1269

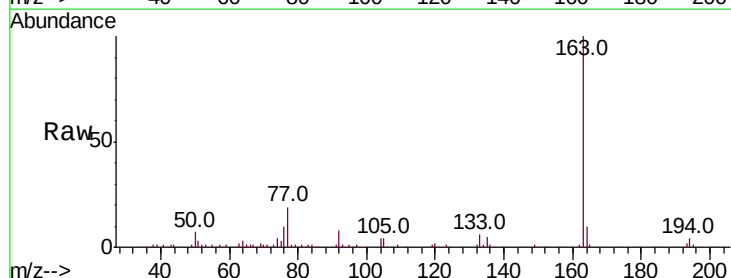
Delta R.T. -0.03 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Tgt Ion:163 Resp: 105123

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.6	5.4
164	10.1	8.7	13.1

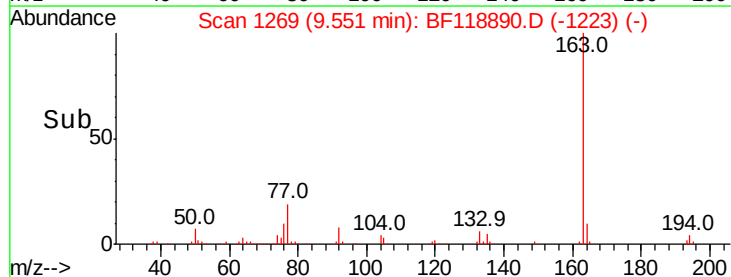
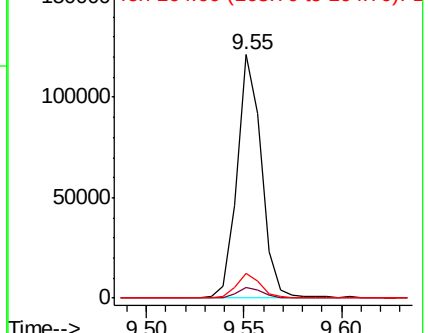


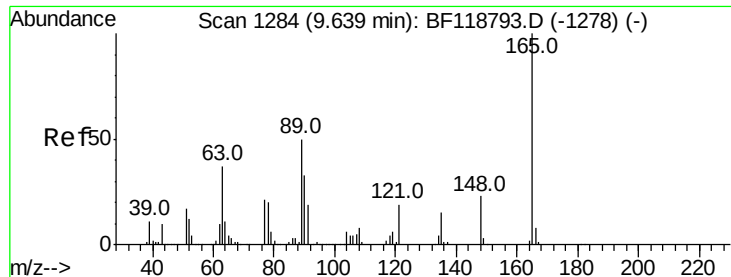
Abundance

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

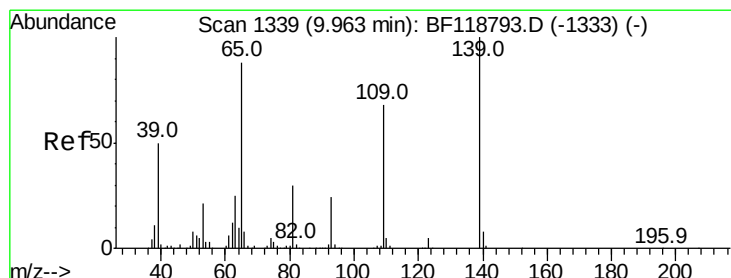
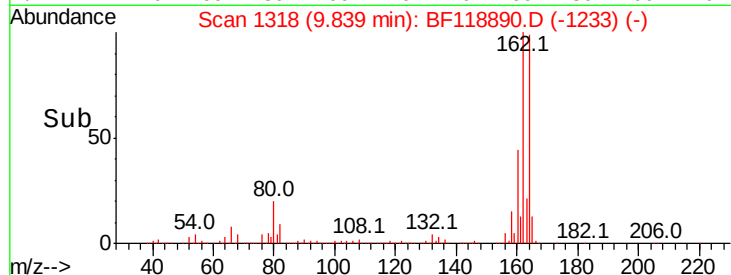
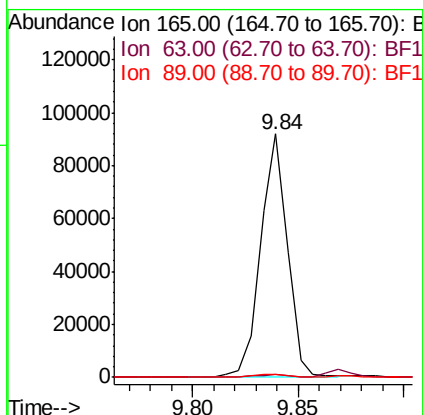
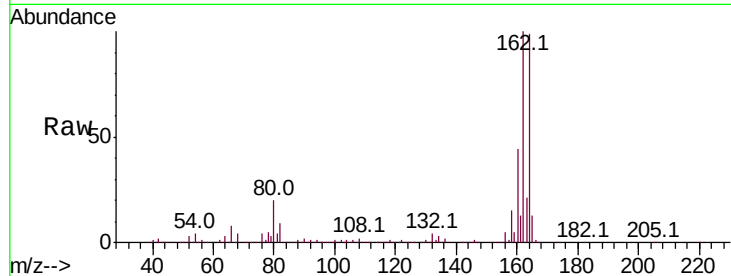




#51
 2,6-Dinitrotoluene
 Concen: 8.636 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF118890.D
 Acq: 11 Feb 2020 18:09

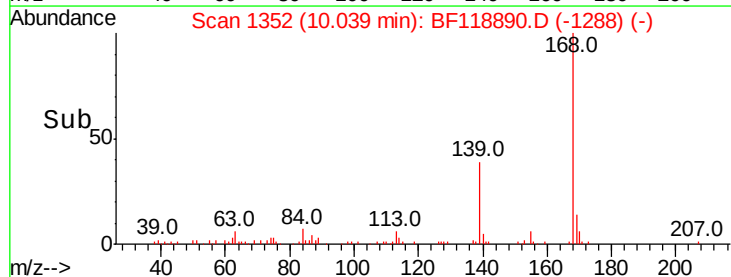
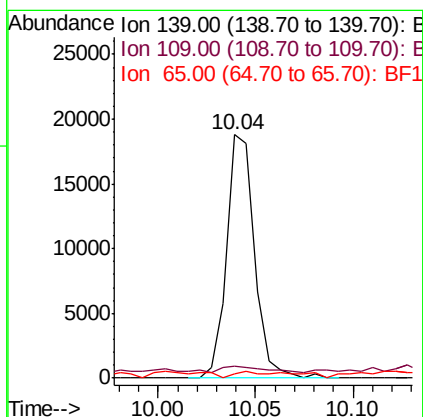
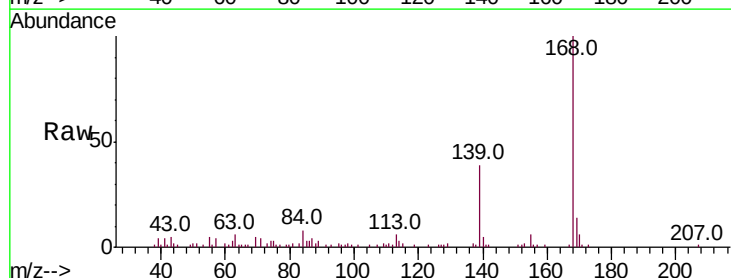
Instrument :
 BNA_F
 ClientSampleId :
 SP-1

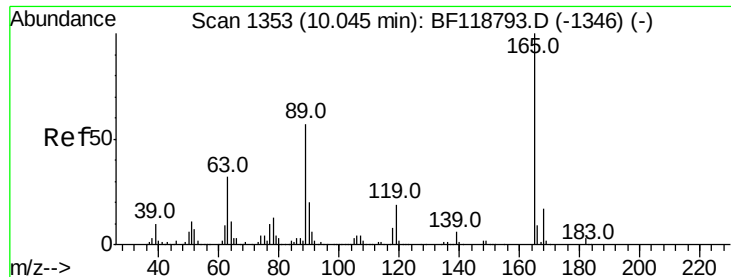
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	37.4	56.0#
89	1.4	39.7	59.5#



#56
 4-Nitrophenol
 Concen: 2.467 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. 0.08 min
 Lab File: BF118890.D
 Acq: 11 Feb 2020 18:09

Tgt Ion	Ratio	Lower	Upper
139	100		
109	4.9	48.0	88.0#
65	1.8	68.3	108.3#





#57

2,4-Dinitrotoluene

Concen: 6.526 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Instrument :

BNA_F

ClientSampleId :

SP-1

Tot Ion:165 Resp: 81504

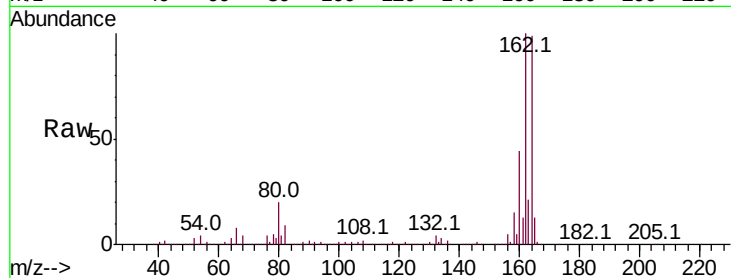
Ion Ratio Lower Upper

165 100

63 1.4 25.5 38.3#

89 1.4 45.4 68.0#

182 0.3 2.4 3.6#

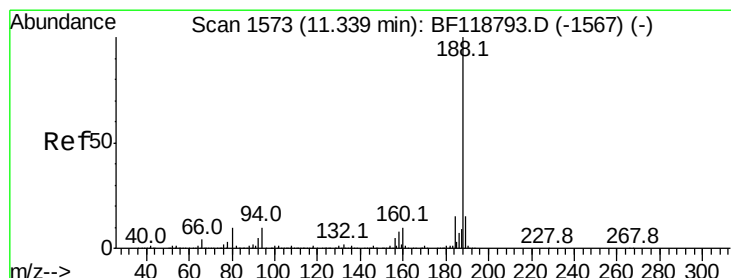
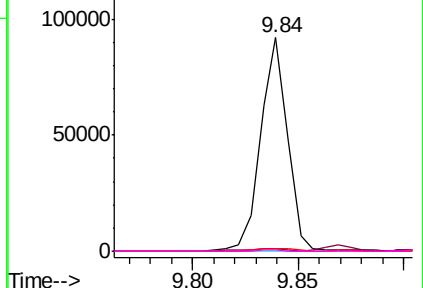
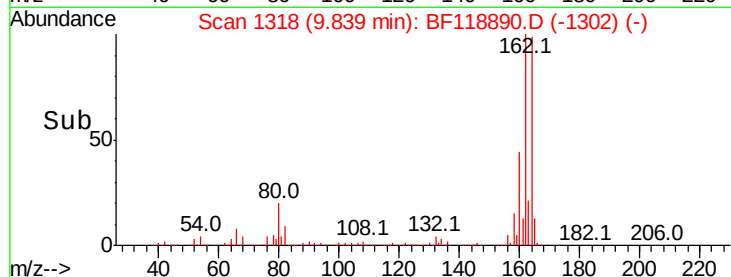


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF118890.D

Acq: 11 Feb 2020 18:09

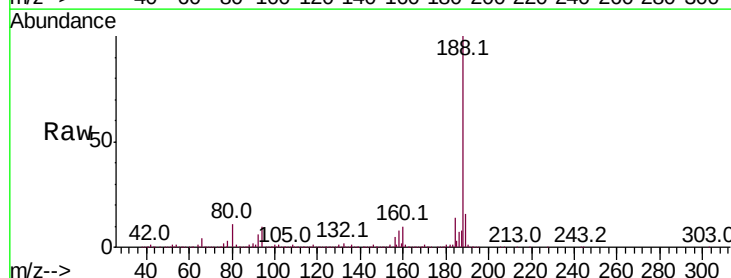
Tgt Ion:188 Resp: 1200180

Ion Ratio Lower Upper

188 100

94 10.0 7.9 11.9

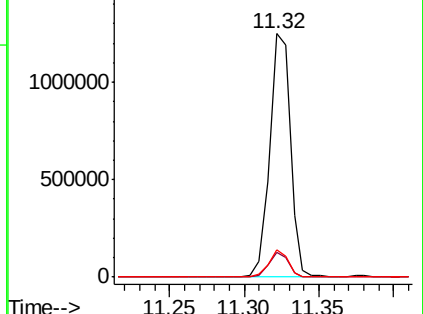
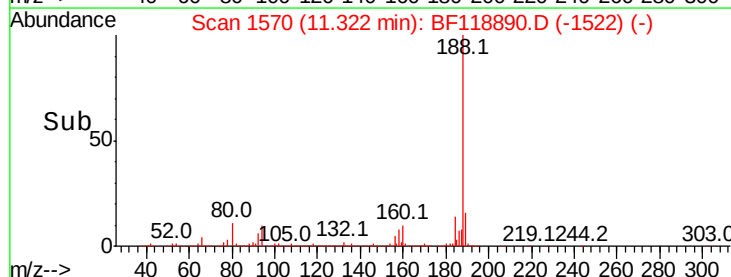
80 11.0 8.4 12.6

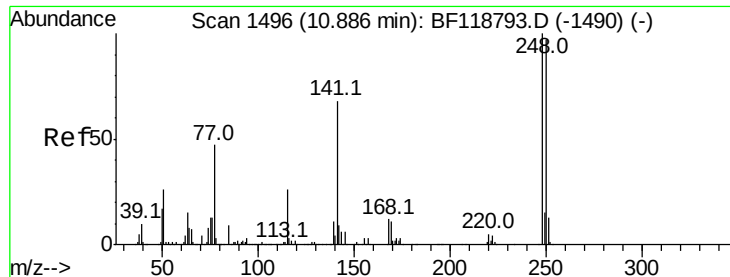


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

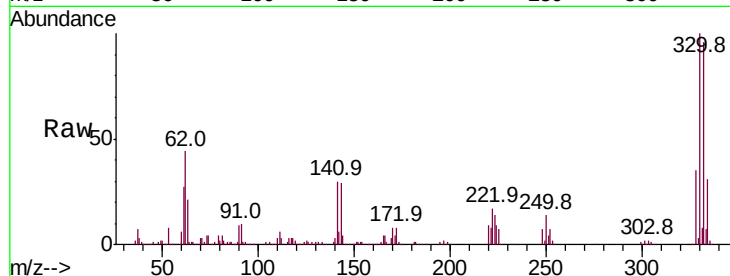




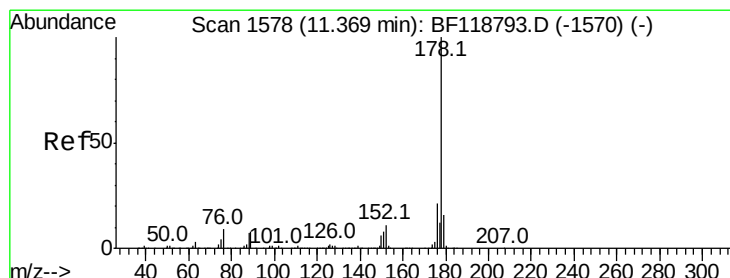
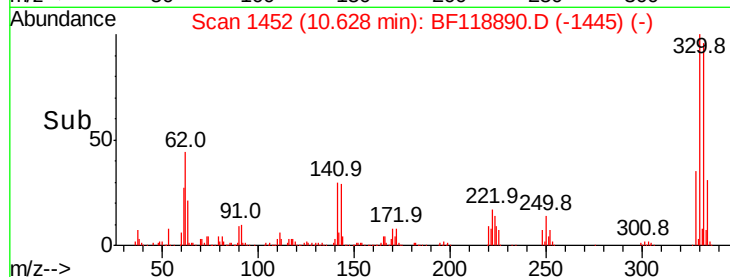
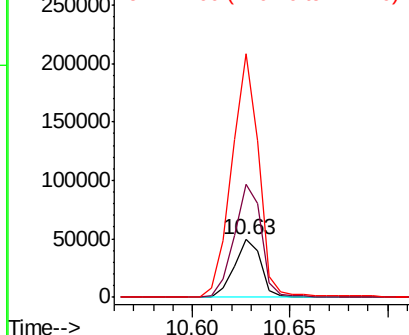
#67
4-Bromophenyl-phenylether
Concen: 3.318 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.26 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion:248 Resp: 47101
Ion Ratio Lower Upper
248 100
250 196.4 77.6 116.4#
141 423.4 54.4 81.6#

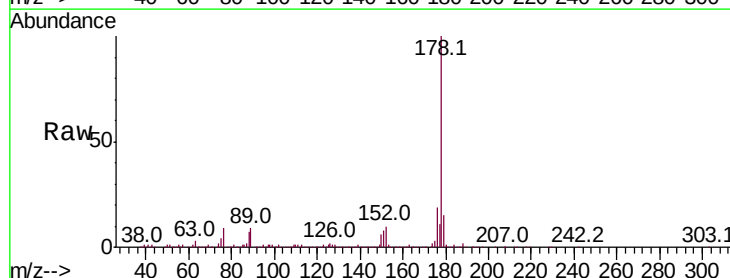


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

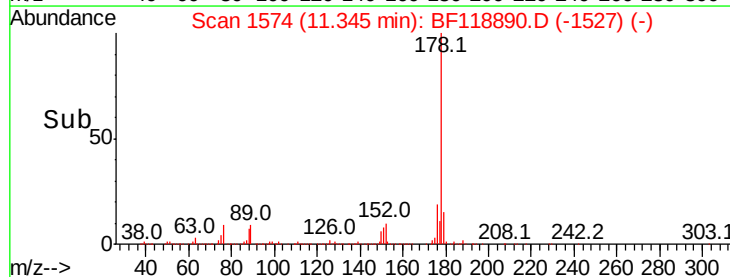
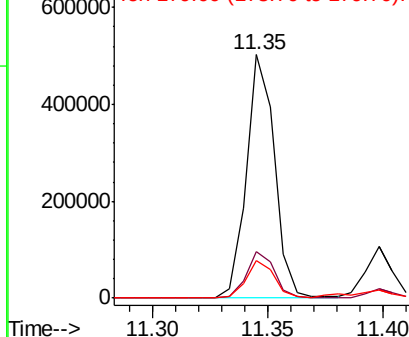


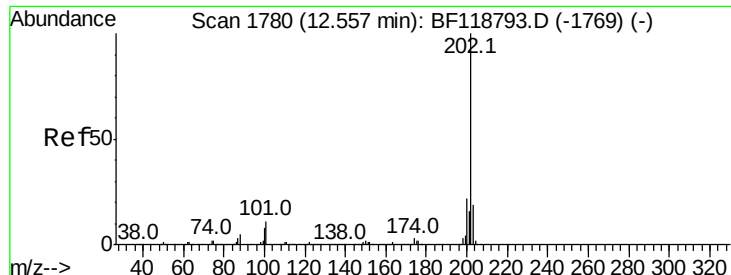
#71
Phenanthrene
Concen: 7.257 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion:178 Resp: 428526
Ion Ratio Lower Upper
178 100
176 19.2 16.6 24.8
179 15.5 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: 8.172 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Instrument :

BNA_F

ClientSampleId :

SP-1

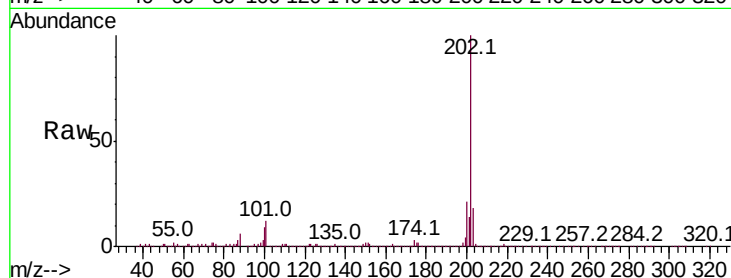
Tot Ion:202 Resp: 526897

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.0

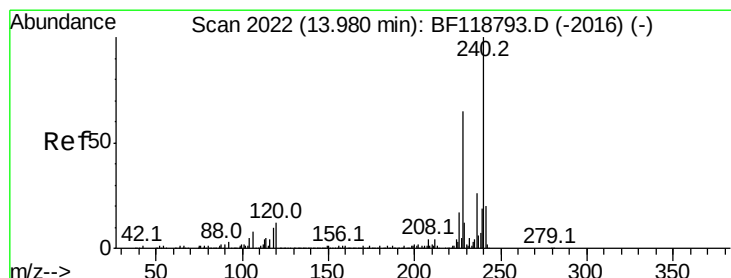
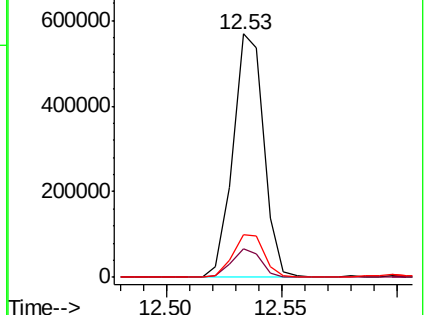
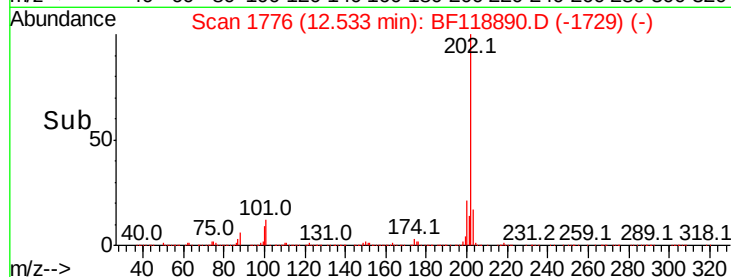
203 17.6 0.0 38.7



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: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

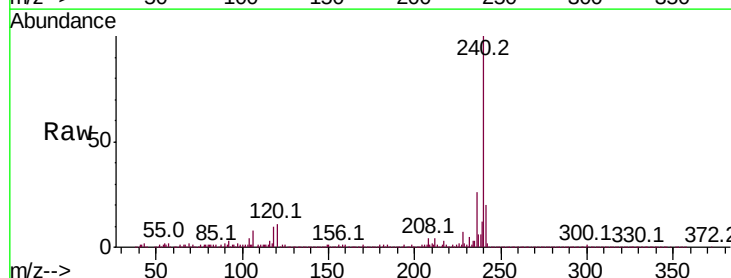
Tgt Ion:240 Resp: 1024781

Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.0

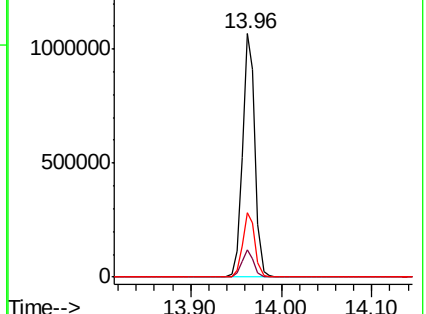
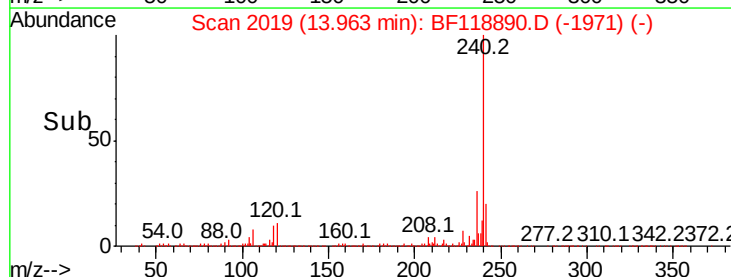
236 26.2 21.0 31.6

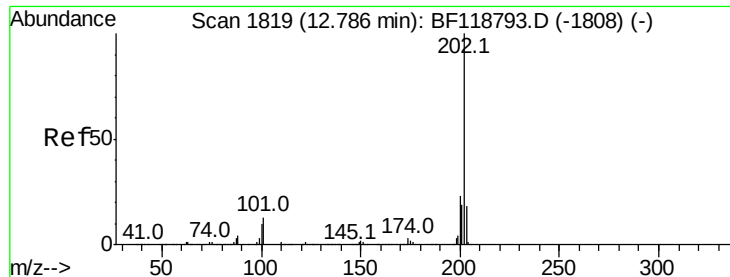


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

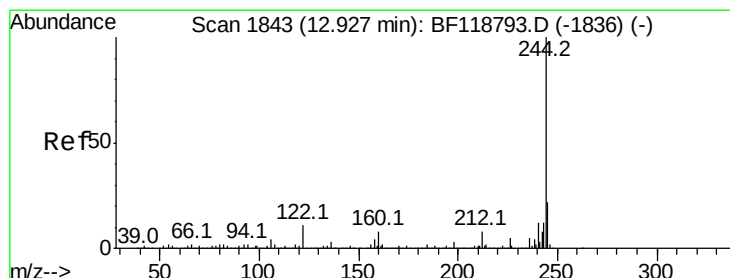
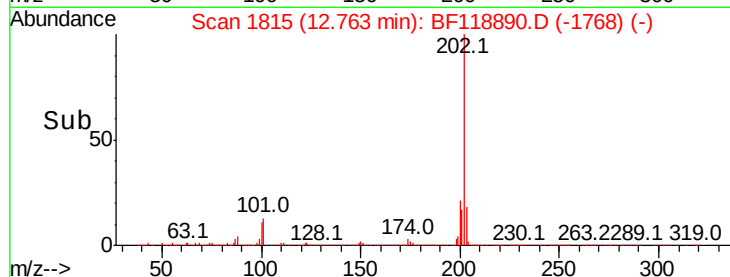
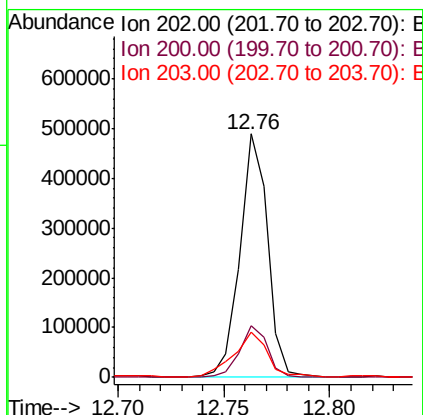
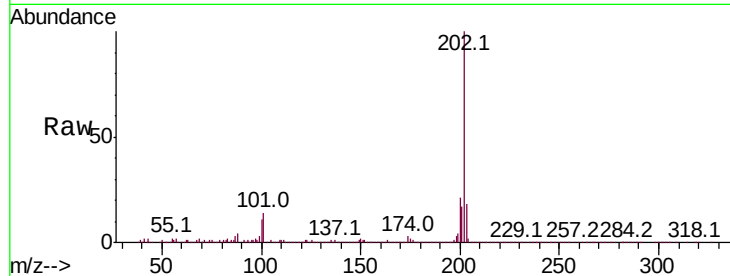




#78
Pvrene
Concen: 6.293 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

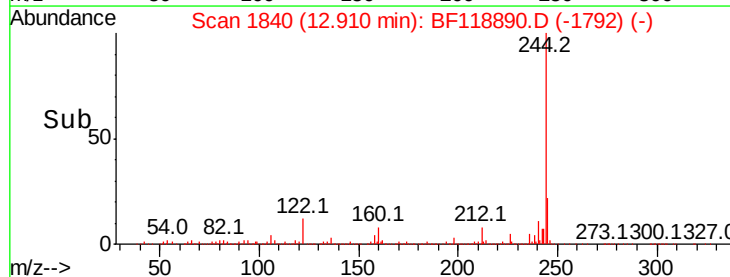
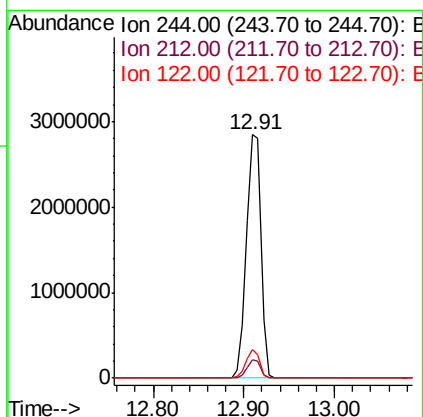
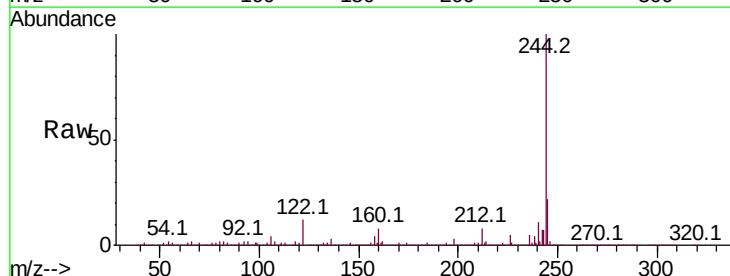
Instrument :
BNA_F
ClientSampleId :
SP-1

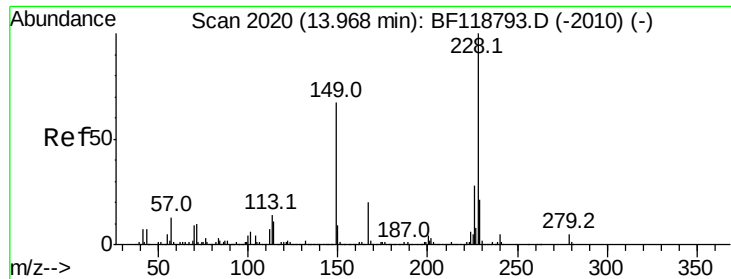
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.2	27.2
203	18.4	14.8	22.2



#79
Terphenyl-d14
Concen: 63.446 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	11.7	8.9	13.3

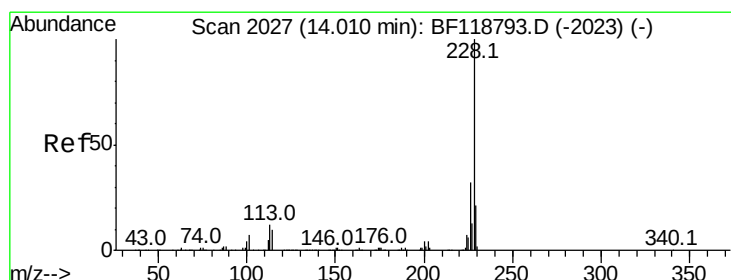
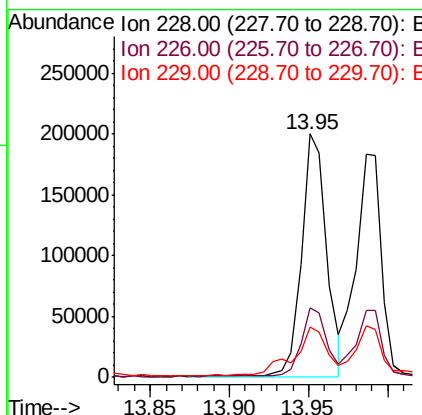
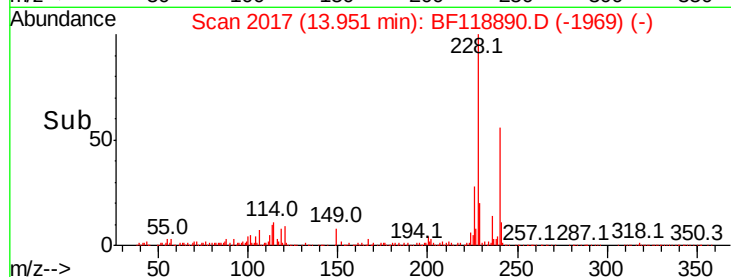
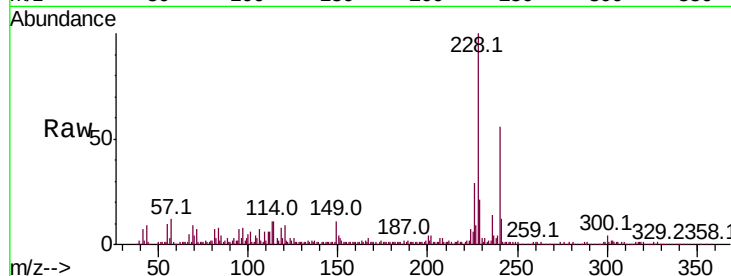




#81
Benzo(a)anthracene
Concen: 3.561 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

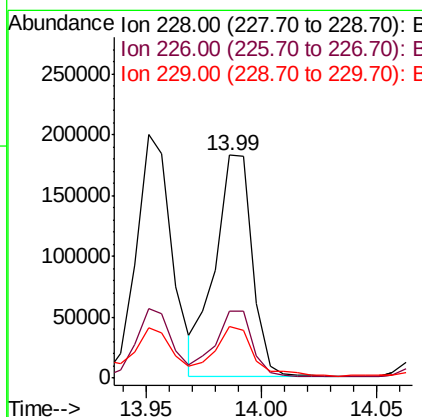
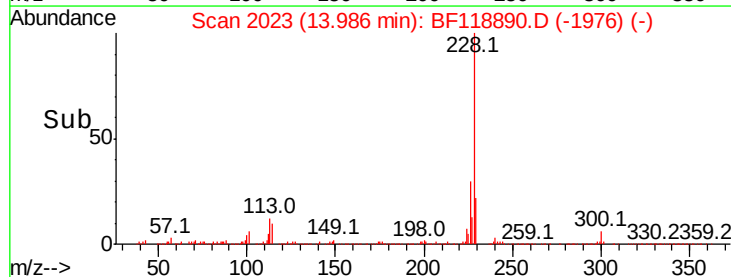
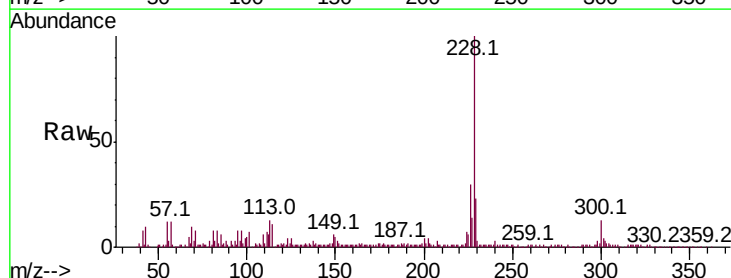
Instrument :
BNA_F
ClientSampled :
SP-1

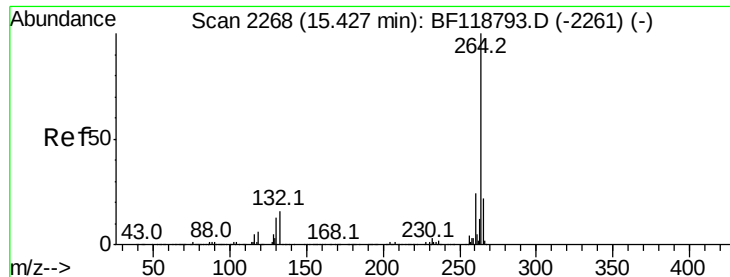
Tot Ion:228 Resp: 217146
Ion Ratio Lower Upper
228 100
226 28.6 22.7 34.1
229 20.6 16.6 25.0



#83
Chrysene
Concen: 3.351 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion:228 Resp: 205090
Ion Ratio Lower Upper
228 100
226 30.2 25.4 38.0
229 23.2 16.9 25.3





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Instrument :

BNA_F

ClientSampled :

SP-1

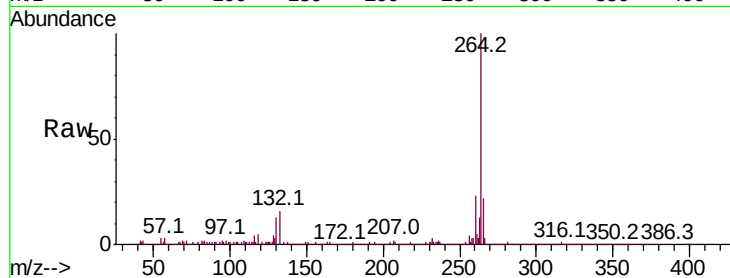
Tot Ion:264 Resp: 991869

Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

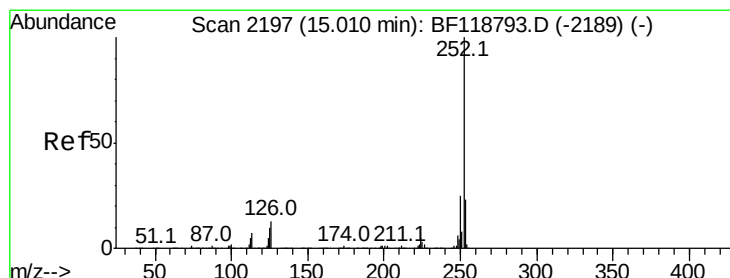
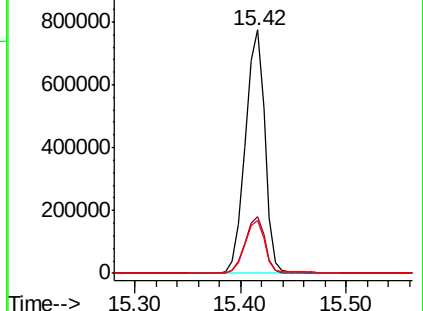
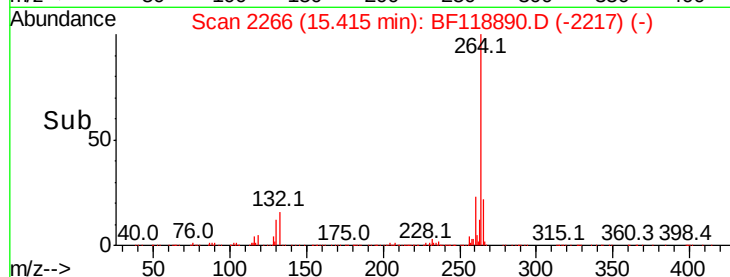
265 22.0 17.2 25.8



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: 5.430 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

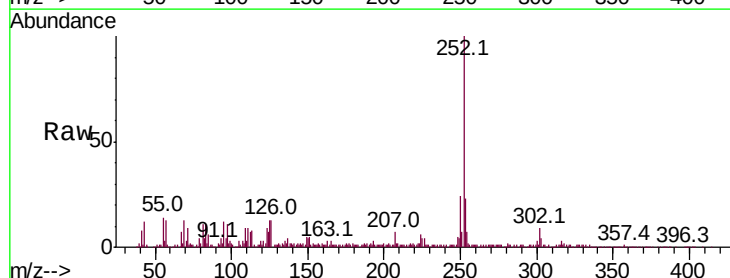
Tgt Ion:252 Resp: 334211

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

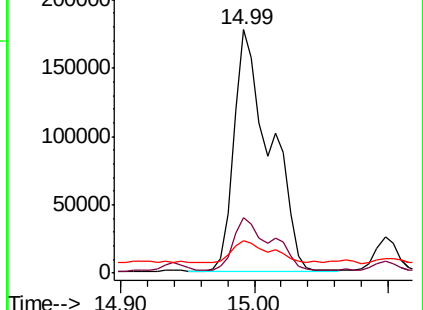
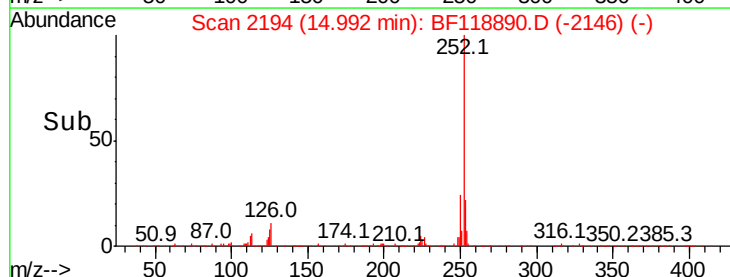
125 13.4 8.1 12.1#

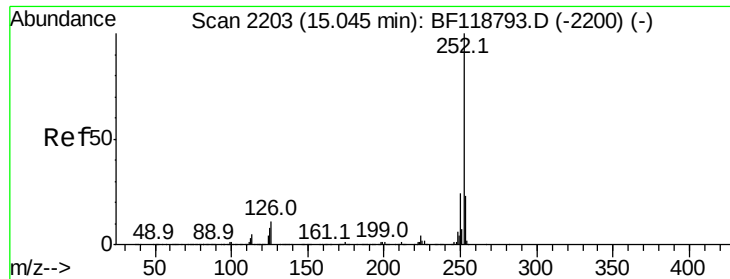


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

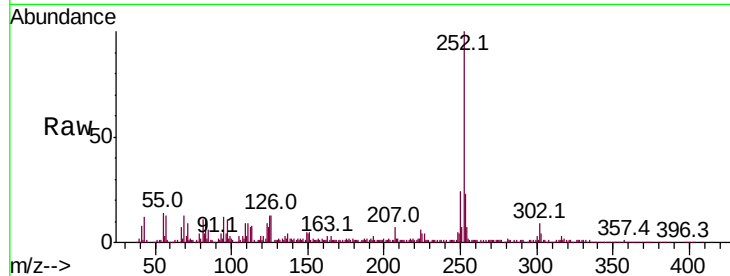




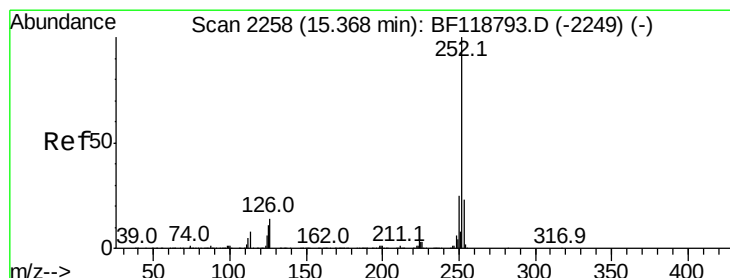
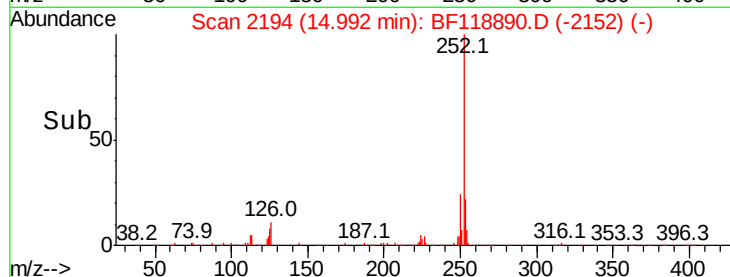
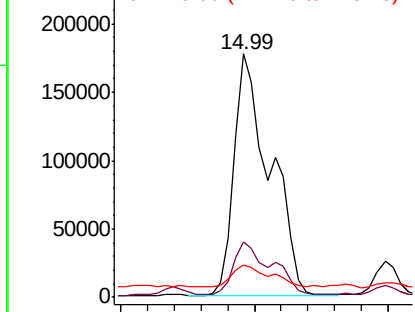
#89
Benzo(k)fluoranthene
Concen: 6.236 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion:252 Resp: 334211
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.4
125 13.4 7.0 10.6#

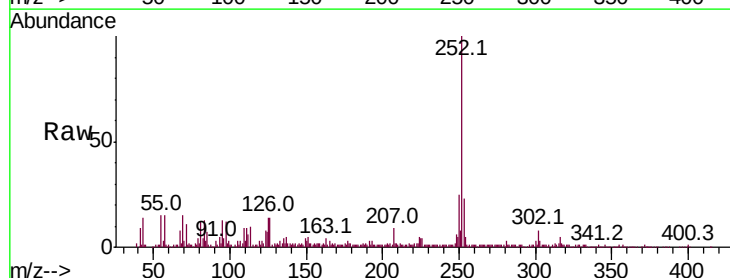


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

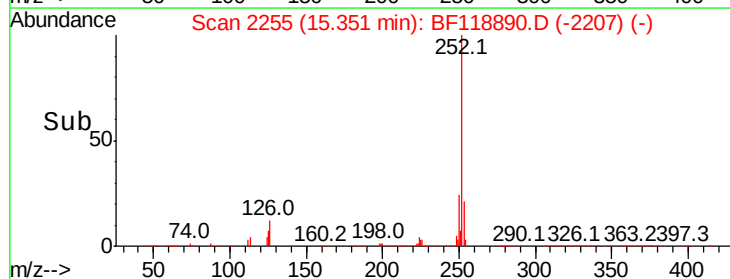
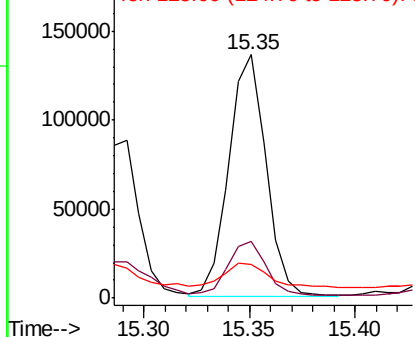


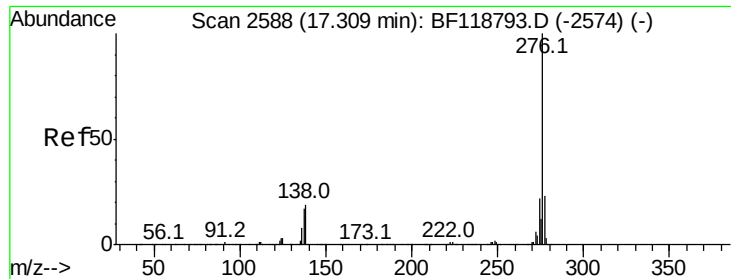
#90
Benzo(a)pyrene
Concen: 3.134 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion:252 Resp: 165078
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 13.9 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





#92

Benzo(a,h,i)perylene

Concen: 2.013 ng

RT: 17.27 min Scan# 2582

Delta R.T. -0.04 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Instrument :

BNA_F

ClientSampleId :

SP-1

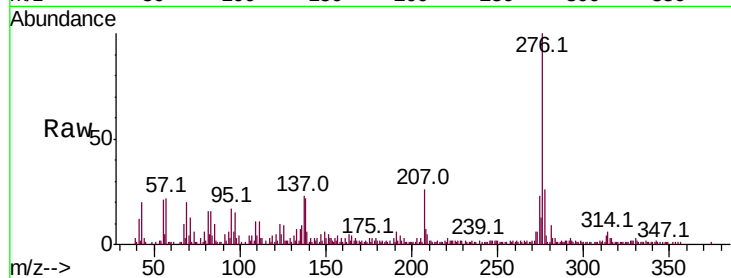
Tot Ion:276 Resp: 90543

Ion Ratio Lower Upper

276 100

277 25.5 18.7 28.1

138 22.3 15.4 23.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

