

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120652.D
 Acq On : 18 Jun 2020 20:01
 Operator : JU/CG
 Sample : L3037-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SL-WC-02C

Quant Time: Jun 19 01:12:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	154588	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	550344	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	272737	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	501780	20.00	ng	0.00
76) Chrysene-d12	13.96	240	392993	20.00	ng	0.00
86) Perylene-d12	15.41	264	327594	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	731493	81.13	ng	0.00
7) Phenol-d6	6.44	99	883532	78.67	ng	0.00
23) Nitrobenzene-d5	7.36	82	551950	56.06	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	254505	80.26	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1089325	61.11	ng	0.00
79) Terphenyl-d14	12.91	244	1190104	66.89	ng	0.00

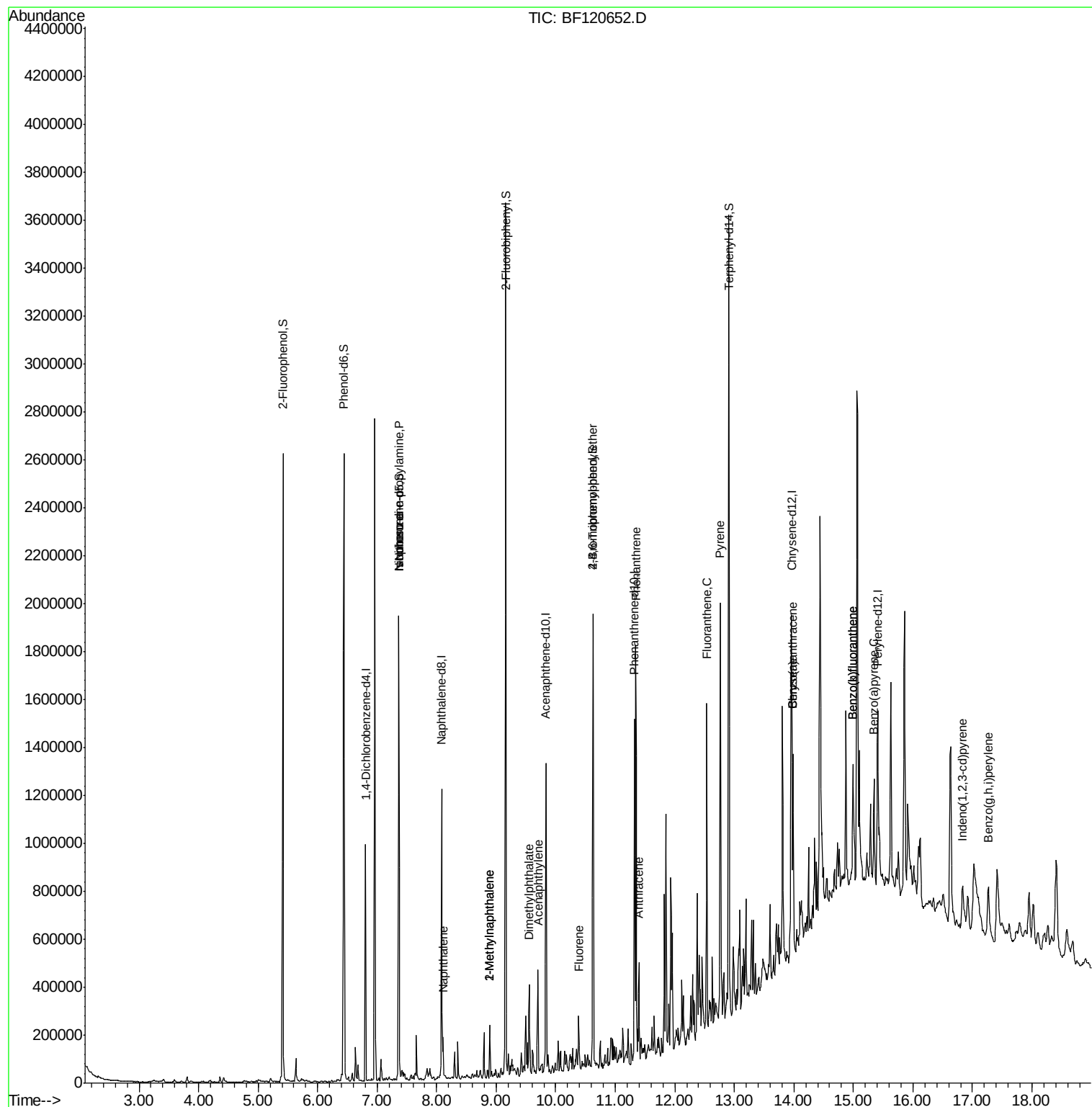
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	74281	11.403	ng	# 78
25) Isophorone	7.36	82	544206	28.375	ng	# 62
31) Naphthalene	8.10	128	59628	2.207	ng	98
37) 2-Methylnaphthalene	8.89	142	50367	2.855	ng	96
38) 1-Methylnaphthalene	8.89	142	50367	3.034	ng	# 97
49) Acenaphthylene	9.70	152	156705	6.097	ng	98
50) Dimethylphthalate	9.55	163	115774	5.894	ng	99
58) Fluorene	10.38	166	61780	3.410	ng	98
67) 4-Bromophenyl-phenylether	10.63	248	15005	2.635	ng	# 1
71) Phenanthrene	11.35	178	606905	24.331	ng	99
72) Anthracene	11.40	178	143208	5.696	ng	98
75) Fluoranthene	12.53	202	536790	18.823	ng	100
78) Pyrene	12.76	202	773893	27.798	ng	99
81) Benzo(a)anthracene	13.99	228	335220	14.198	ng	96
83) Chrysene	13.99	228	335220	13.841	ng	97
87) Indeno(1,2,3-cd)pyrene	16.83	276	108462	5.443	ng	96
88) Benzo(b)fluoranthene	14.99	252	340570	17.453	ng	# 98
89) Benzo(k)fluoranthene	14.99	252	340570	19.723	ng	# 98
90) Benzo(a)pyrene	15.34	252	202277	11.582	ng	# 96
92) Benzo(a,h,i)perylene	17.27	276	129716	8.054	ng	97

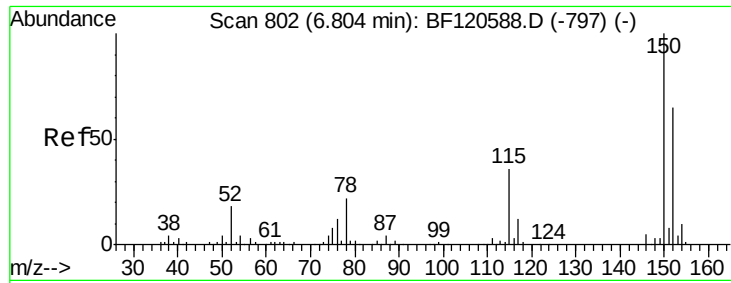
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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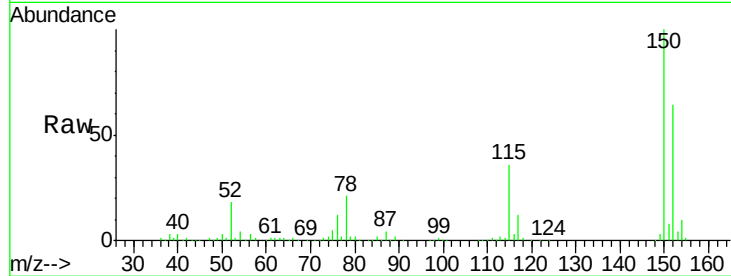


#1

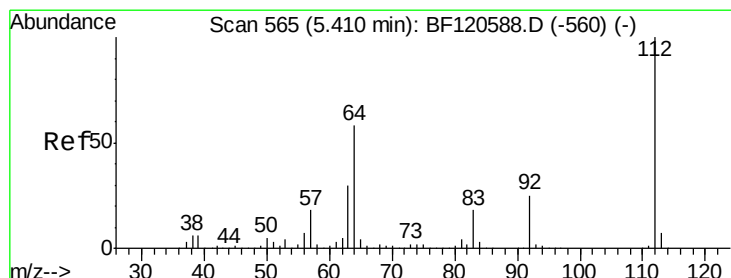
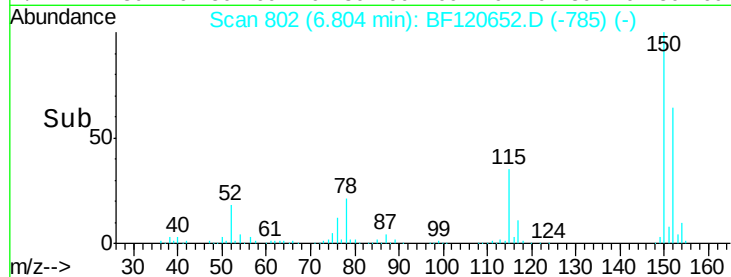
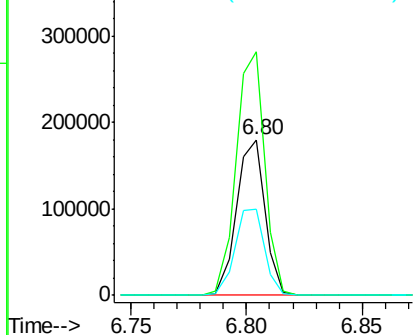
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

Instrument :
BNA_F
ClientSampleId :
SL-WC-02C

Tot Ion:152 Resp: 154588
Ion Ratio Lower Upper
152 100
150 156.8 123.2 184.8
115 55.7 43.9 65.9



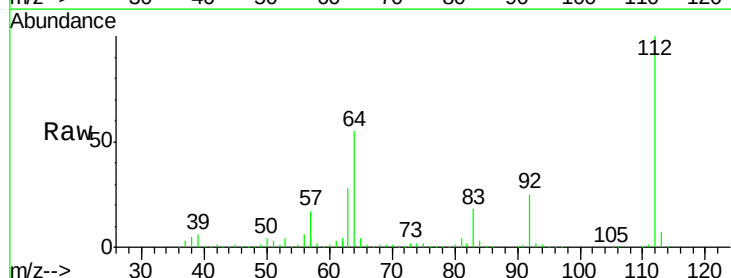
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



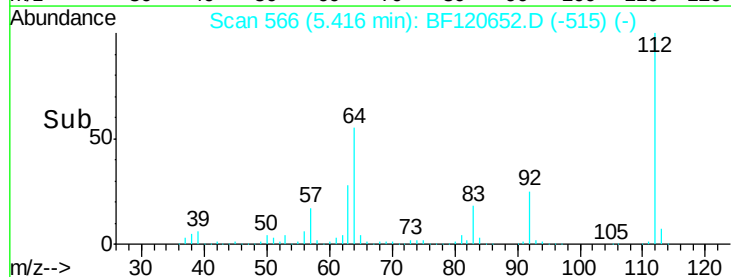
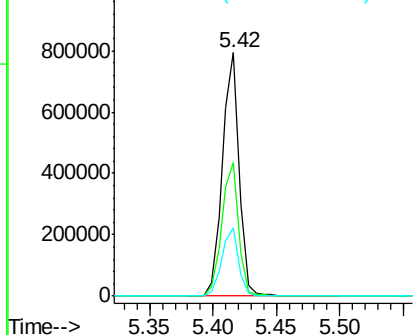
#5

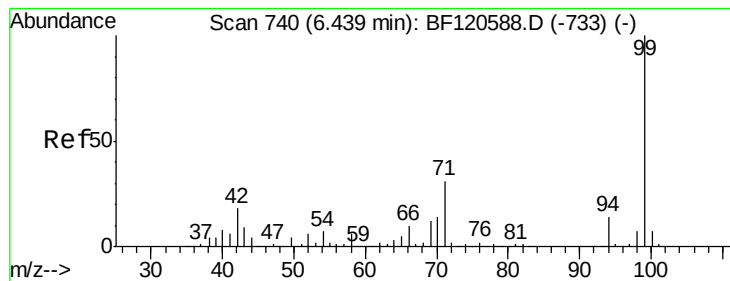
2-Fluorophenol
Concen: 81.126 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

Tgt Ion:112 Resp: 731493
Ion Ratio Lower Upper
112 100
64 54.7 46.1 69.1
63 28.1 23.7 35.5



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: 78.674 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120652.D

Acq: 18 Jun 2020 20:01

Instrument :

BNA_F

ClientSampleId :

SL-WC-02C

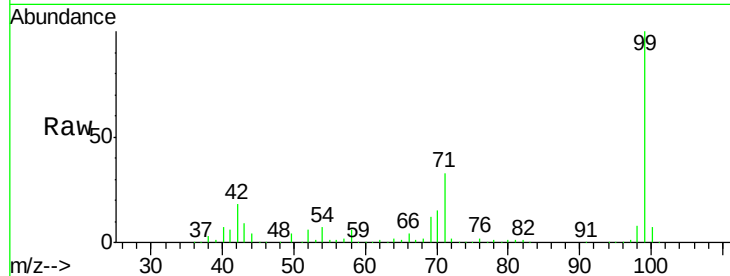
Tot Ion: 99 Resp: 883532

Ion Ratio Lower Upper

99 100

42 18.4 14.0 21.0

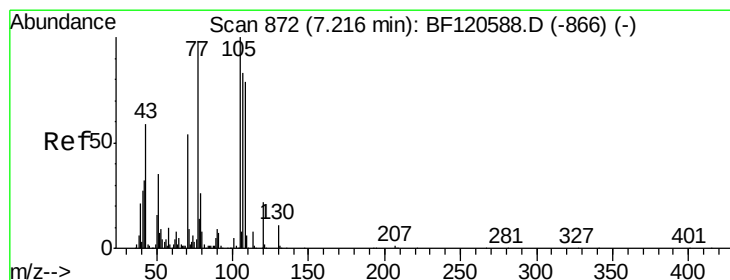
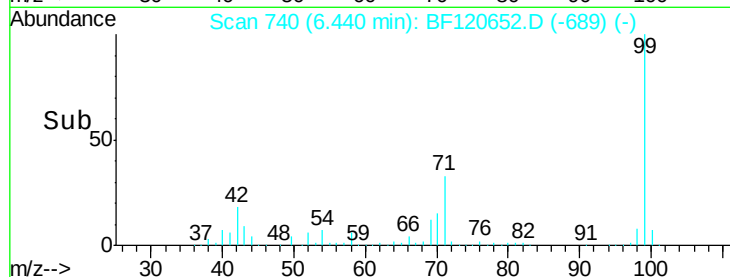
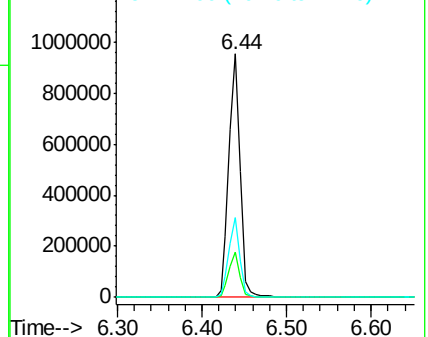
71 32.6 24.9 37.3



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: 11.403 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120652.D

Acq: 18 Jun 2020 20:01

Tgt Ion: 70 Resp: 74281

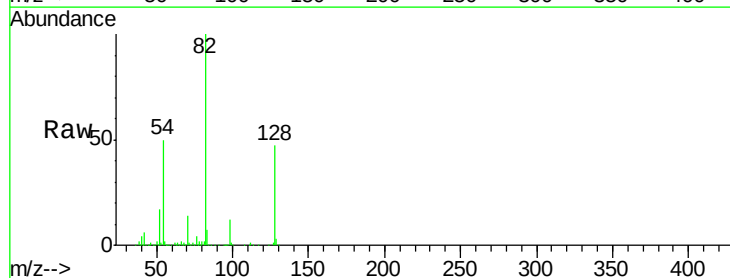
Ion Ratio Lower Upper

70 100

42 47.5 47.7 71.5#

101 0.0 7.6 11.4#

130 2.6 16.7 25.1#

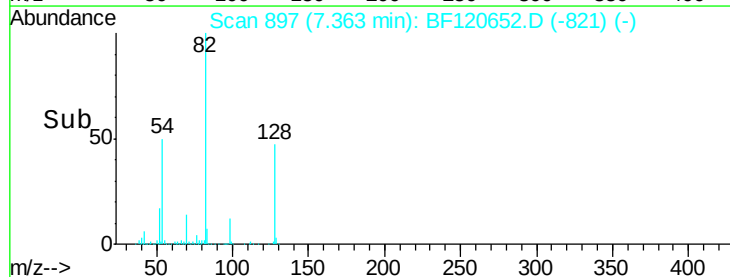
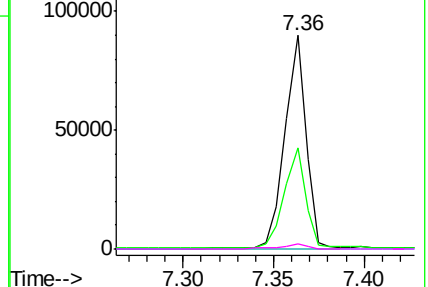


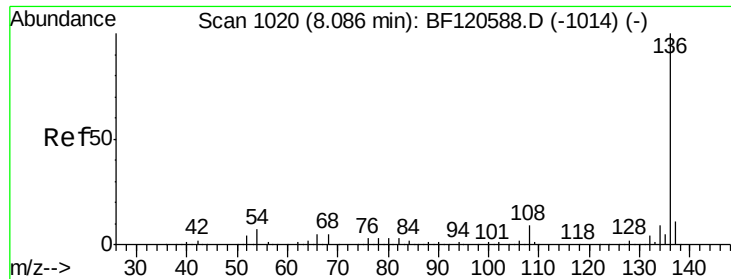
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

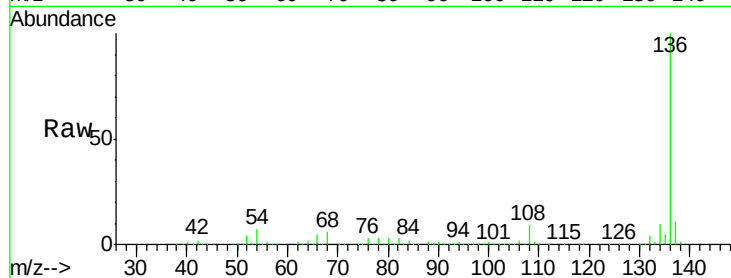




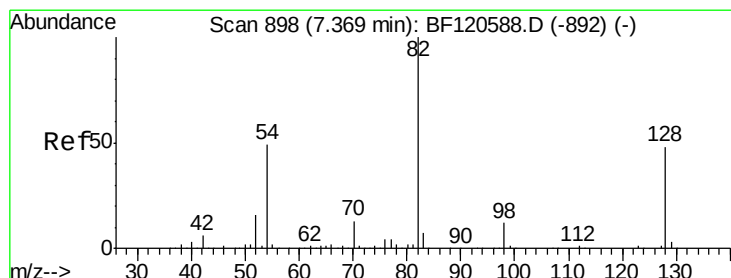
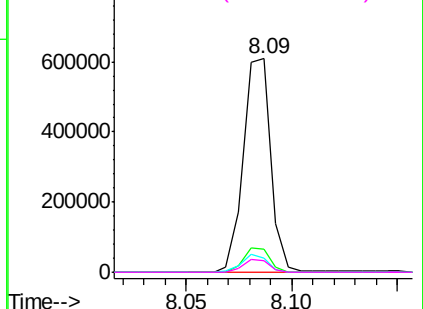
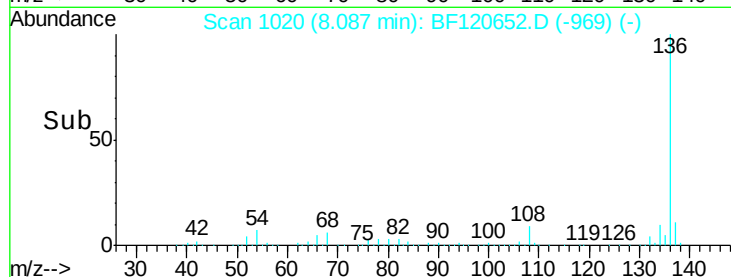
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

Instrument :
BNA_F
ClientSampleId :
SL-WC-02C

Tot Ion:136	Resp:	550344
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.6 13.0
54	6.8	5.8 8.6
68	5.6	4.4 6.6

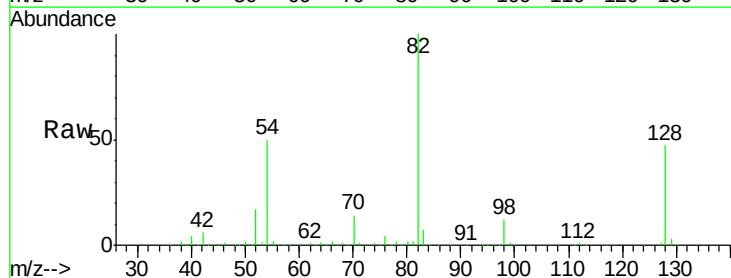


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

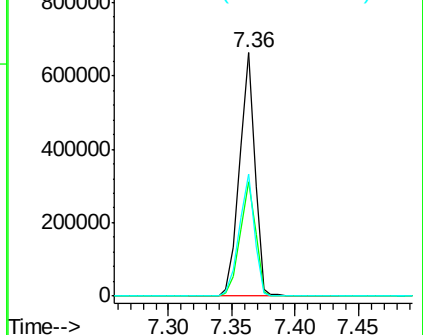
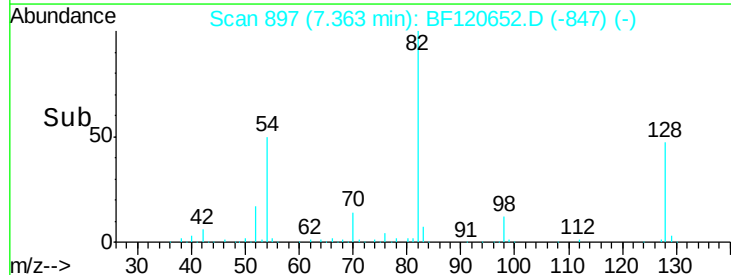


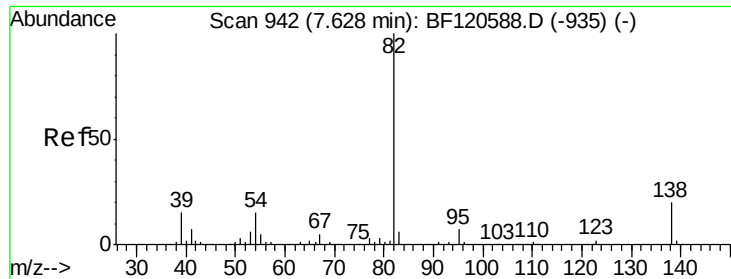
#23
Nitrobenzene-d5
Concen: 56.060 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

Tgt Ion: 82	Resp:	551950
Ion	Ratio	Lower Upper
82	100	
128	46.9	38.0 57.0
54	50.3	38.8 58.2



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





#25

Isophorone

Concen: 28.375 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF120652.D

Acq: 18 Jun 2020 20:01

Instrument :

BNA_F

ClientSampleId :

SL-WC-02C

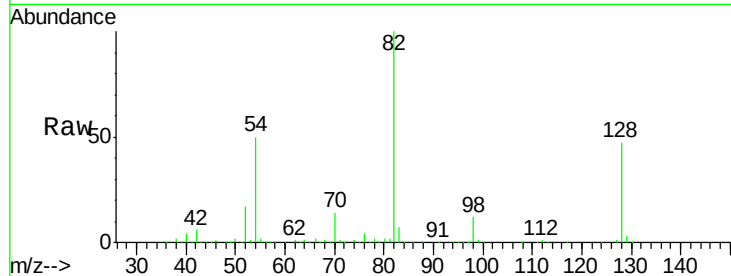
Tot Ion: 82 Resp: 544206

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

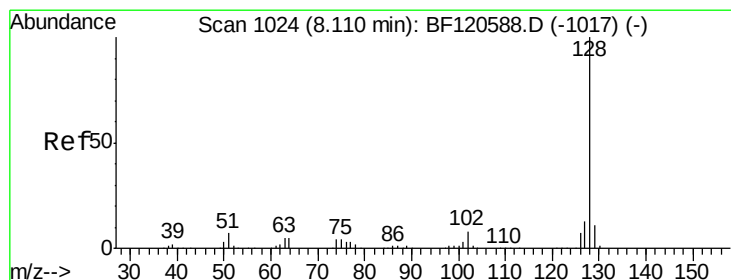
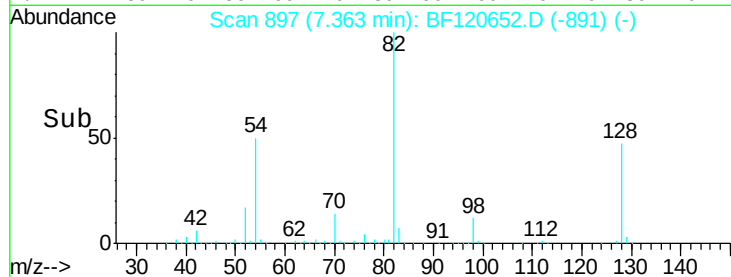
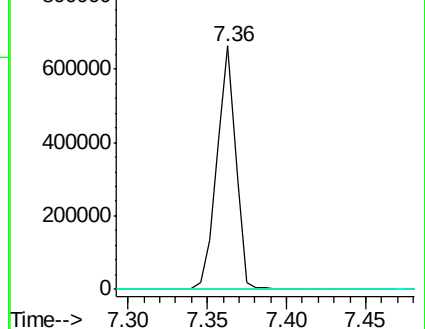
138 0.0 16.2 24.4#



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: 2.207 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF120652.D

Acq: 18 Jun 2020 20:01

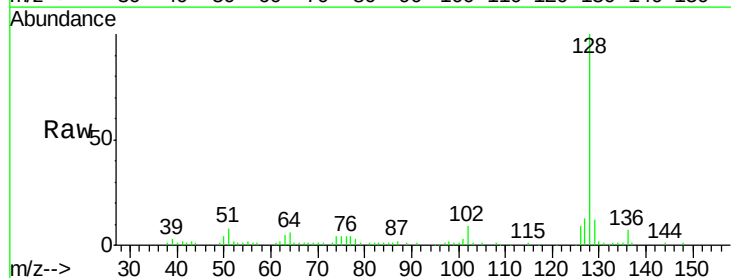
Tgt Ion: 128 Resp: 59628

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

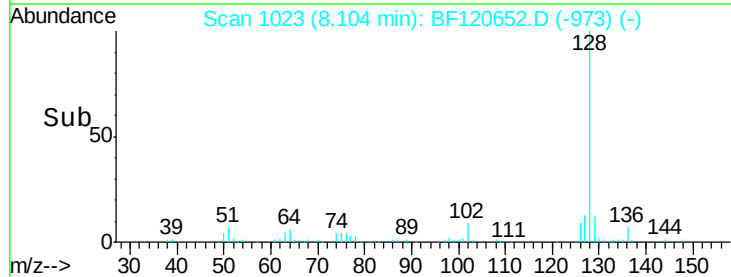
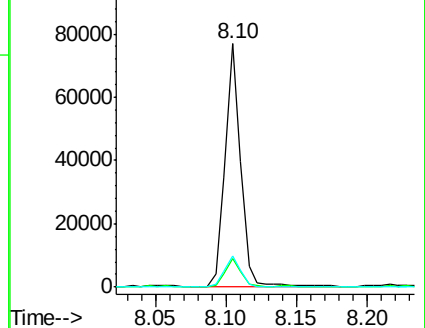
127 12.6 10.6 15.8

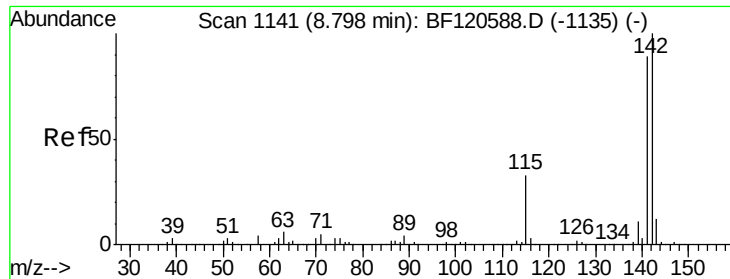


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1

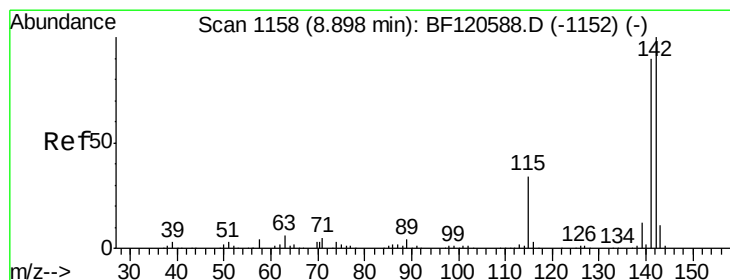
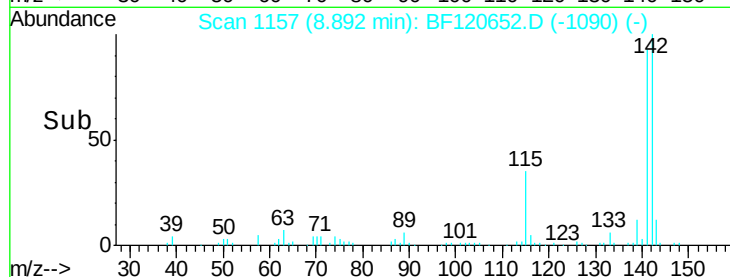
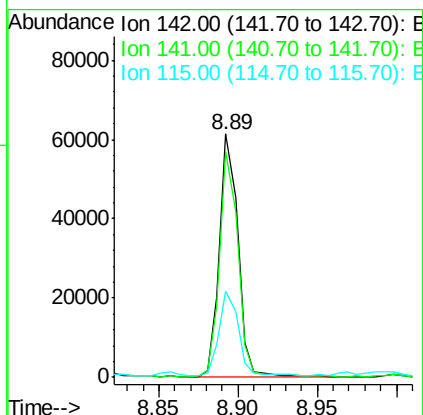
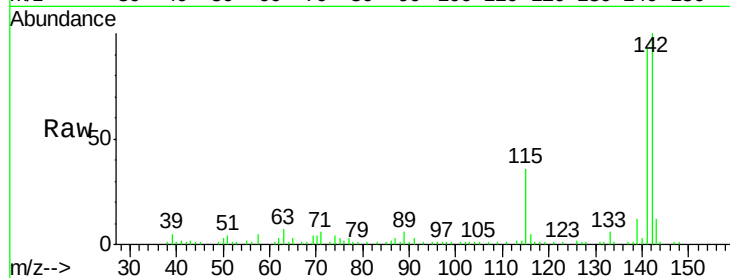




#37
2-Methylnaphthalene
Concen: 2.855 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.09 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

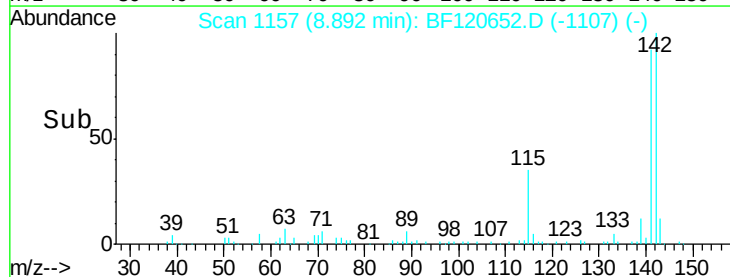
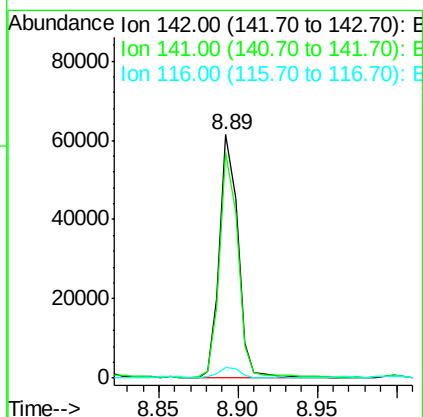
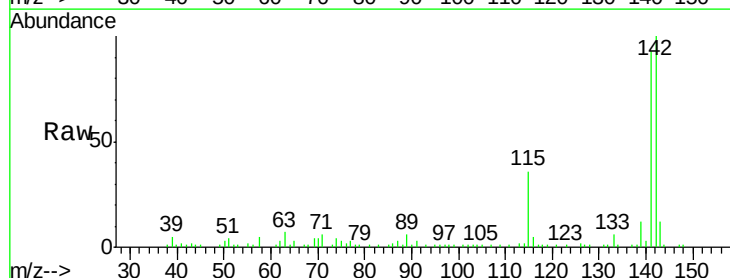
Instrument :
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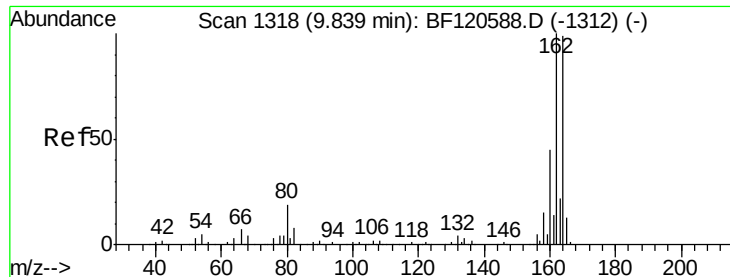
Tot Ion	Ratio	Lower	Upper
142	100		
141	92.6	71.4	107.0
115	35.6	26.1	39.1



#38
1-Methylnaphthalene
Concen: 3.034 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	72.1	108.1
116	4.6	2.7	4.1#

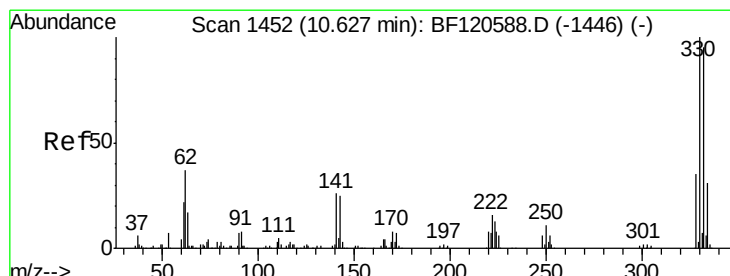
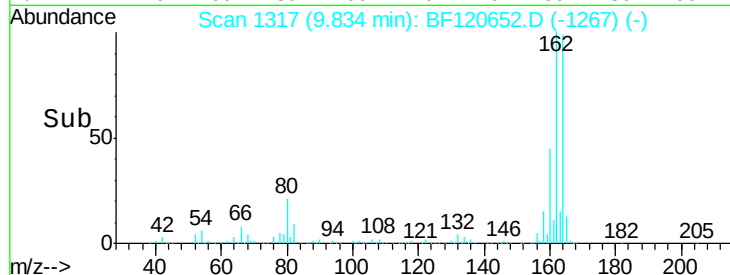
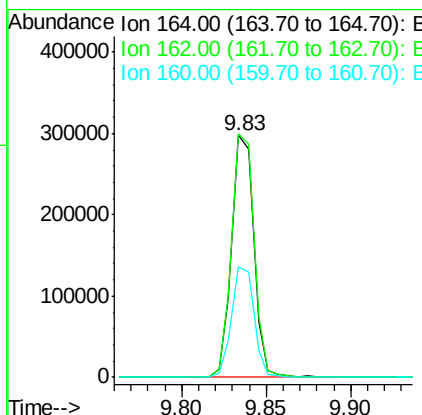
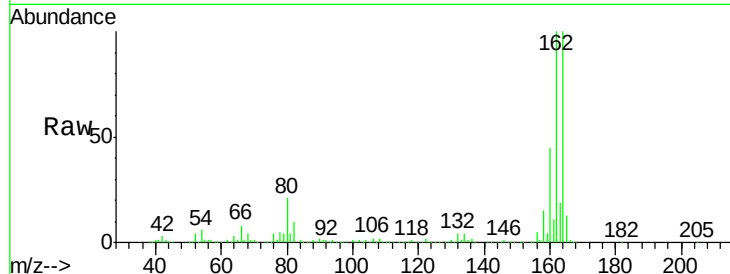




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF120652.D
 Acq: 18 Jun 2020 20:01

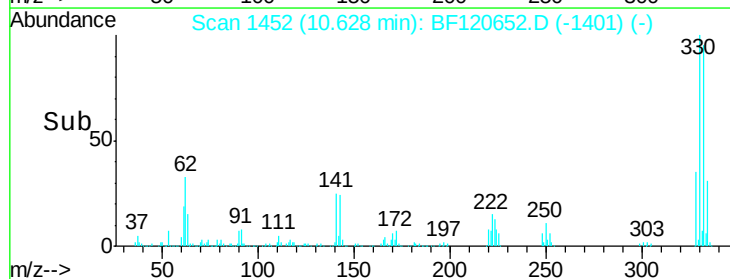
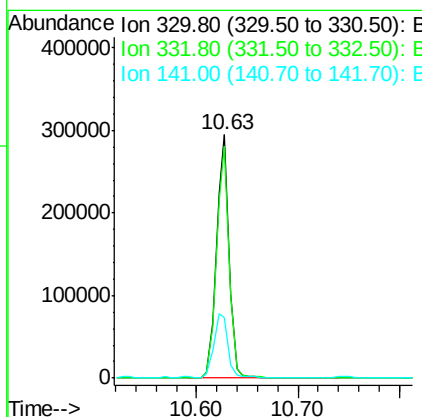
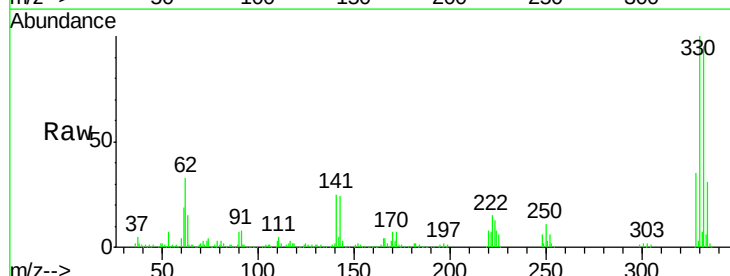
Instrument :
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 ClientSampleId :
 SL-WC-02C

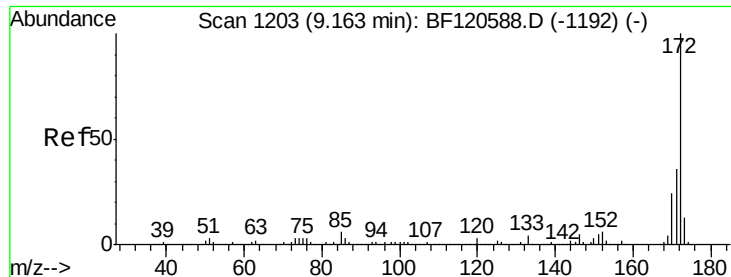
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.6	120.8
160	45.5	36.2	54.2



#42
 2,4,6-Tribromophenol
 Concen: 80.262 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120652.D
 Acq: 18 Jun 2020 20:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.8	115.2
141	29.2	23.2	34.8

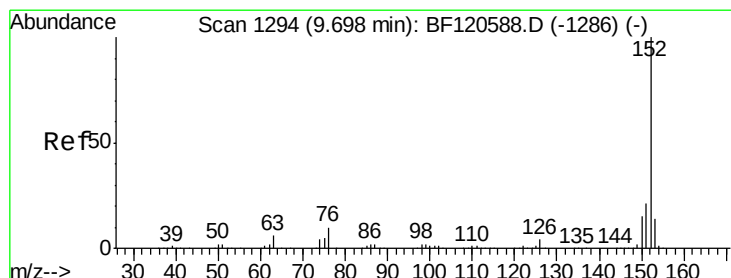
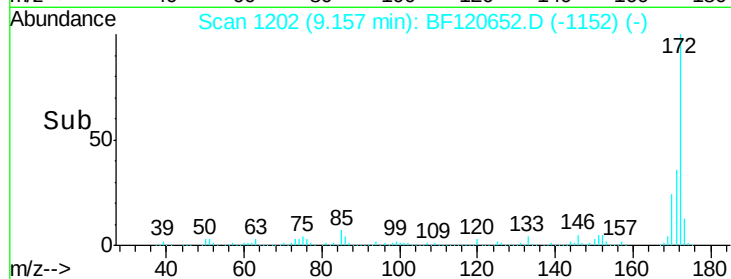
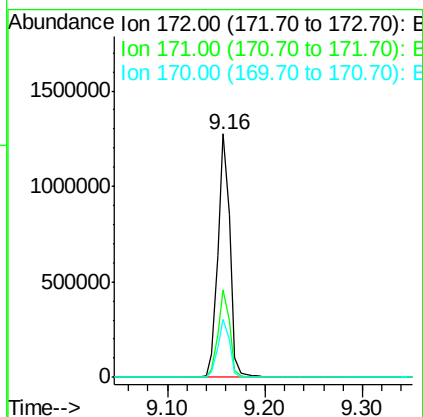
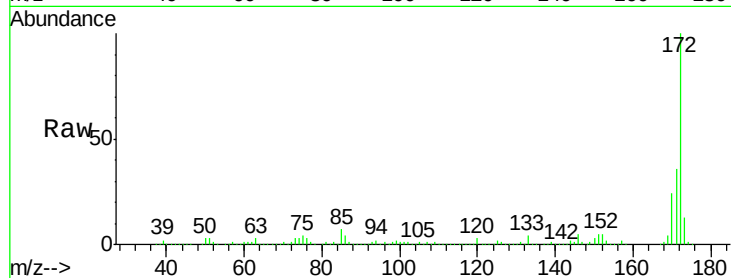




#45
2-Fluorobiphenyl
Concen: 61.108 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

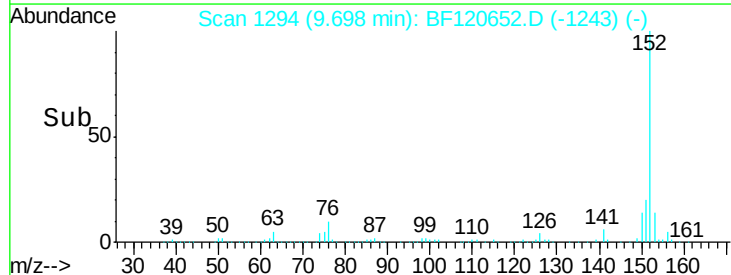
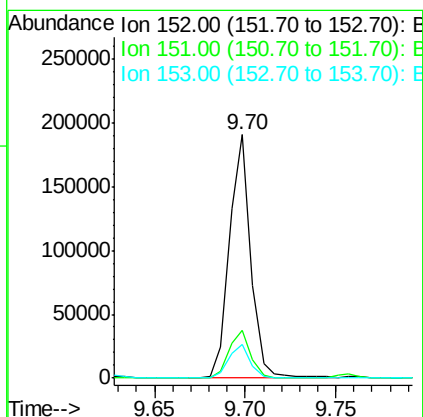
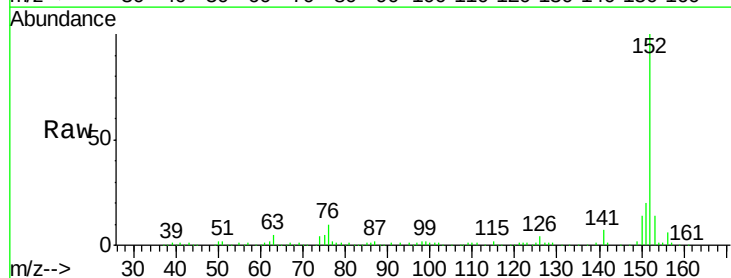
Instrument :
BNA_F
ClientSampleId :
SL-WC-02C

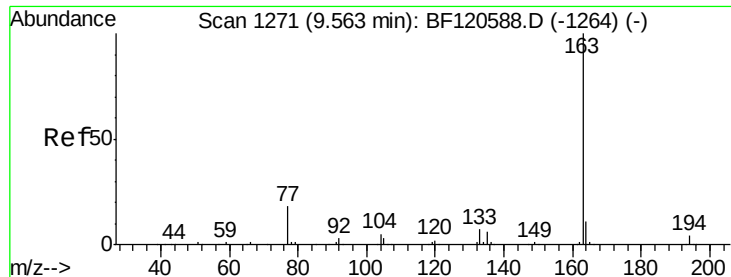
Tot Ion:172 Resp: 1089325
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.4
170 23.9 19.4 29.2



#49
Acenaphthylene
Concen: 6.097 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

Tgt Ion:152 Resp: 156705
Ion Ratio Lower Upper
152 100
151 19.7 16.6 25.0
153 13.7 11.0 16.6





#50

Dimethylphthalate

Concen: 5.894 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120652.D

Acq: 18 Jun 2020 20:01

Instrument :

BNA_F

ClientSampleId :

SL-WC-02C

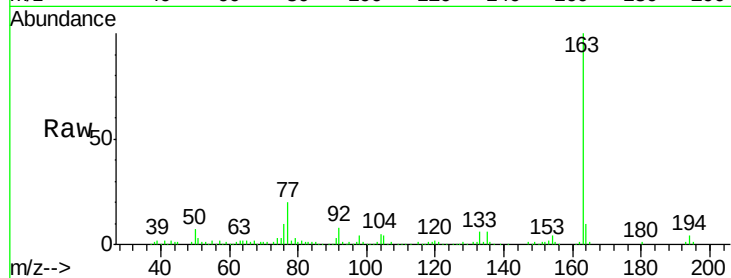
Tot Ion:163 Resp: 115774

Ion Ratio Lower Upper

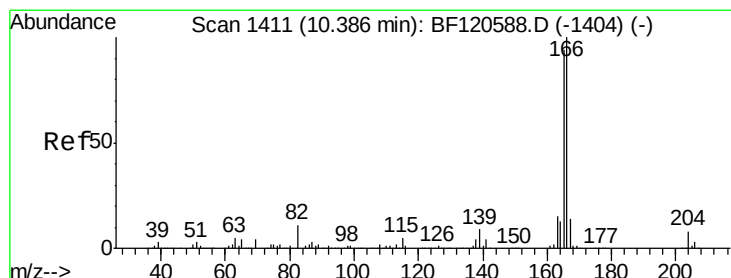
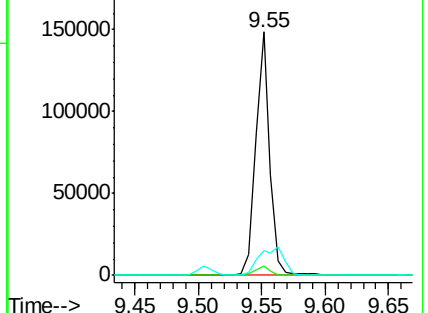
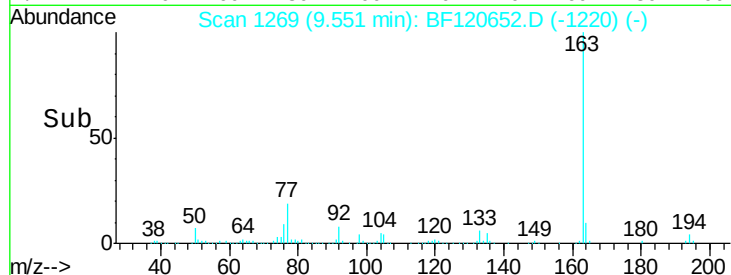
163 100

194 3.8 3.1 4.7

164 10.2 8.5 12.7



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



#58

Fluorene

Concen: 3.410 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.01 min

Lab File: BF120652.D

Acq: 18 Jun 2020 20:01

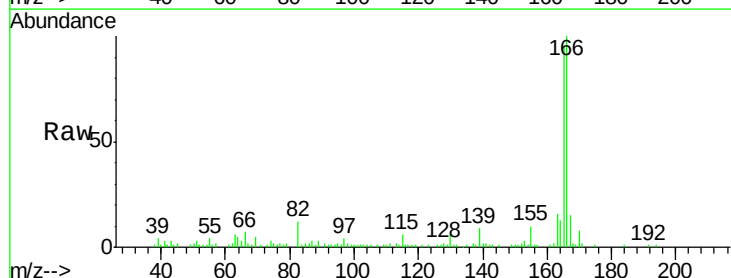
Tgt Ion:166 Resp: 61780

Ion Ratio Lower Upper

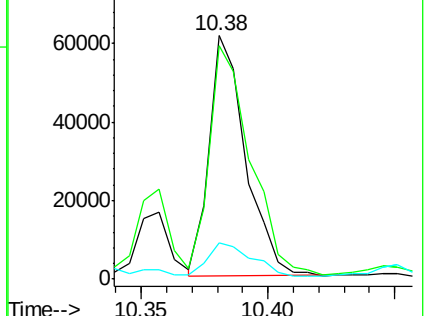
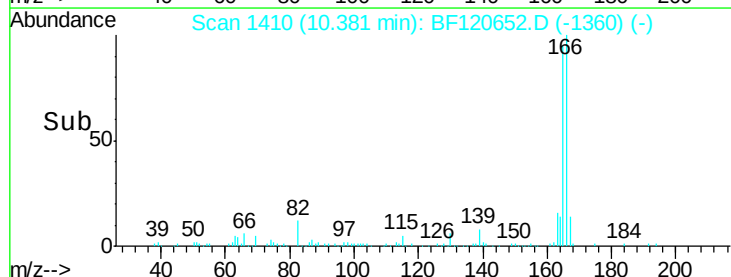
166 100

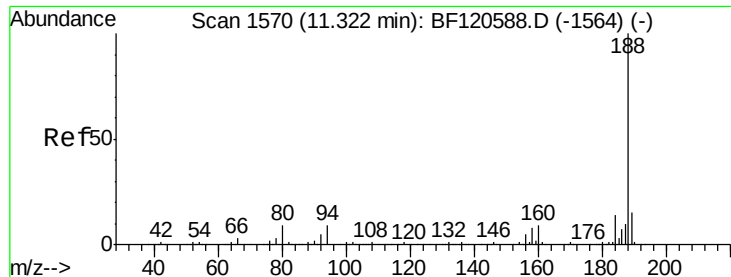
165 95.9 75.0 112.6

167 15.0 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF120652.D

Acq: 18 Jun 2020 20:01

Instrument :

BNA_F

ClientSampleId :

SL-WC-02C

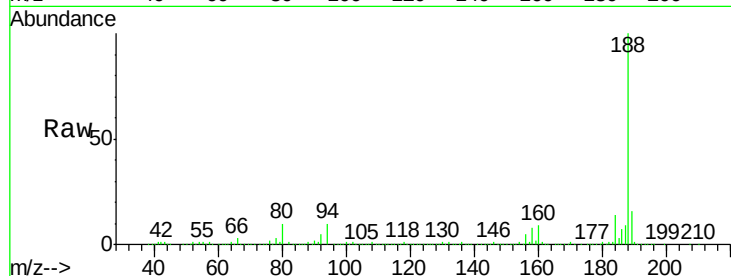
Tot Ion:188 Resp: 501780

Ion Ratio Lower Upper

188 100

94 9.6 7.2 10.8

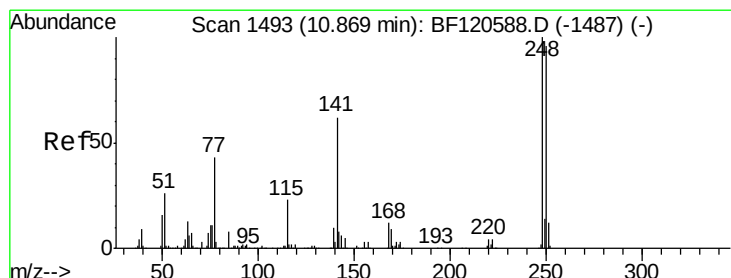
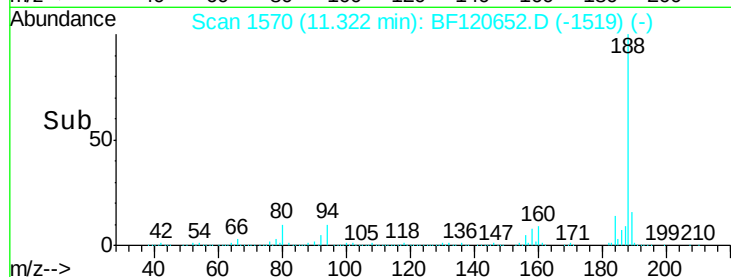
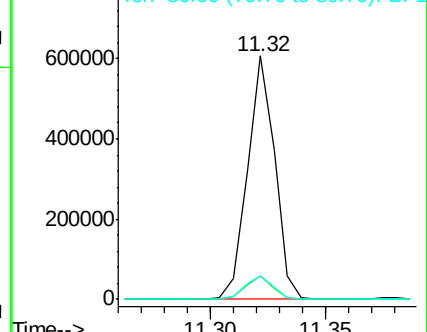
80 9.7 7.4 11.2



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: 2.635 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF120652.D

Acq: 18 Jun 2020 20:01

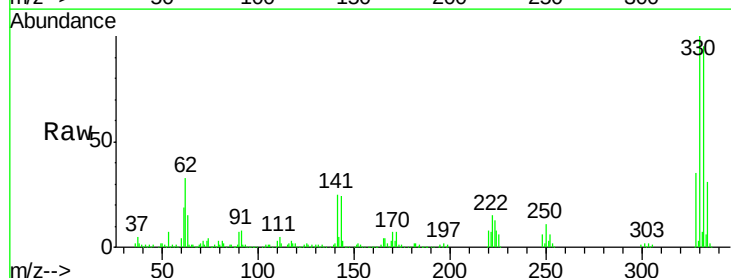
Tgt Ion:248 Resp: 15005

Ion Ratio Lower Upper

248 100

250 186.7 76.7 115.1#

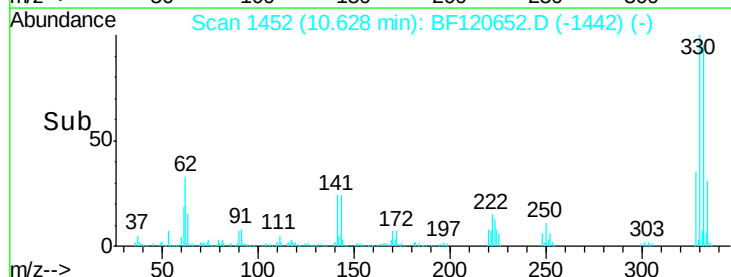
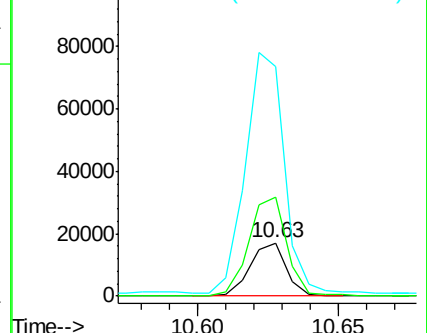
141 432.3 49.4 74.0#

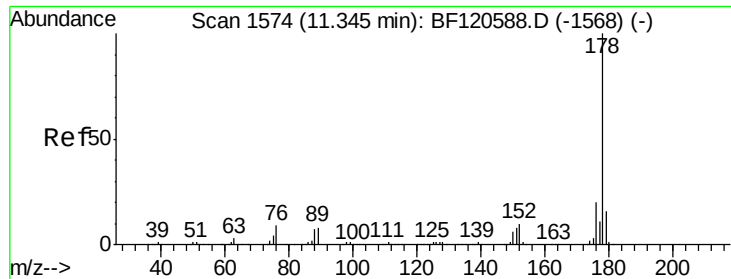


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

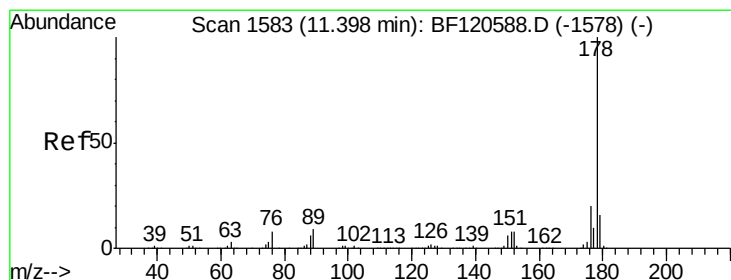
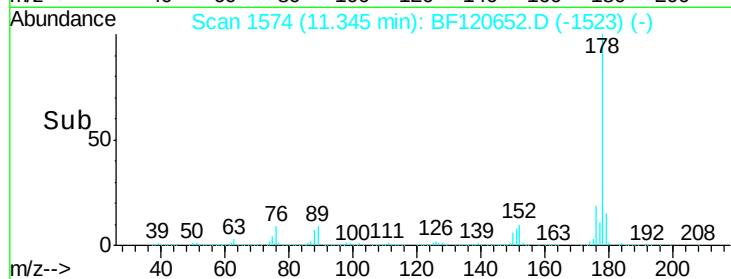
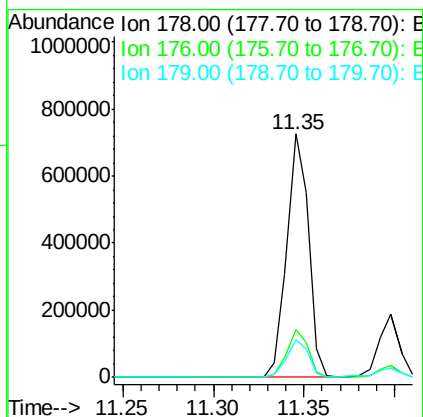
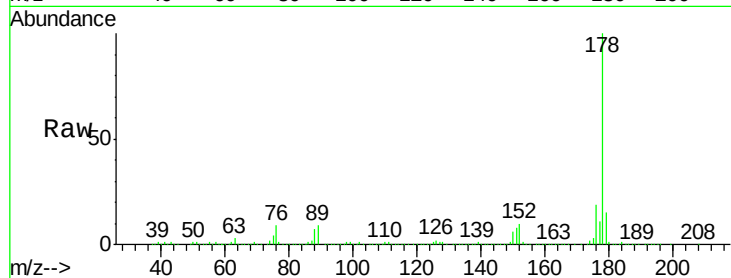




#71
Phenanthrene
Concen: 24.331 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

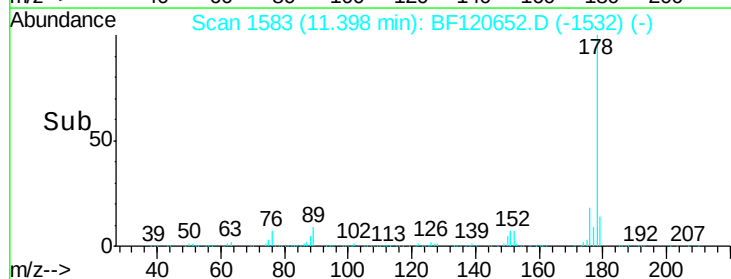
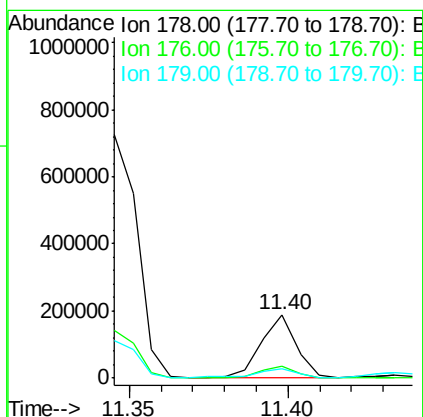
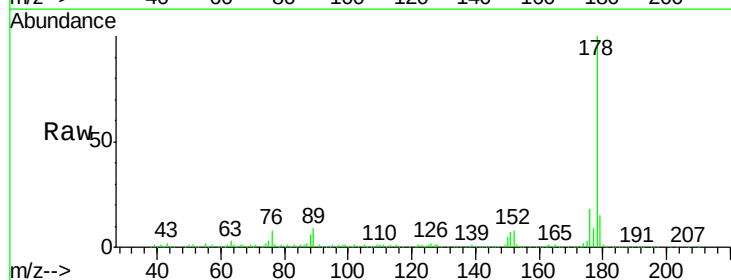
Instrument :
BNA_F
ClientSampleId :
SL-WC-02C

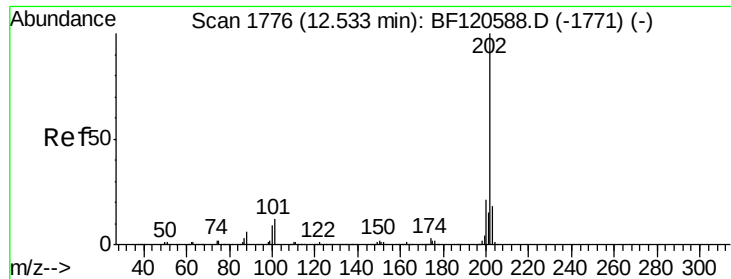
Tot Ion:178 Resp: 606905
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.4 12.8 19.2



#72
Anthracene
Concen: 5.696 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

Tgt Ion:178 Resp: 143208
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.0 12.9 19.3





#75

Fluoranthene

Concen: 18.823 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF120652.D

Acq: 18 Jun 2020 20:01

Instrument :

BNA_F

ClientSampleId :

SL-WC-02C

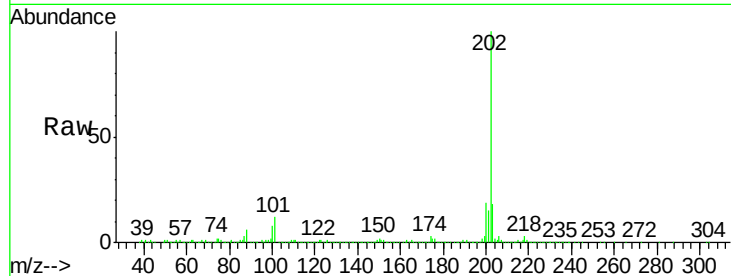
Tot Ion:202 Resp: 536790

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.0

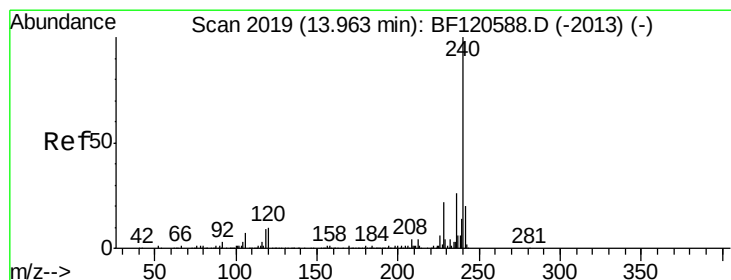
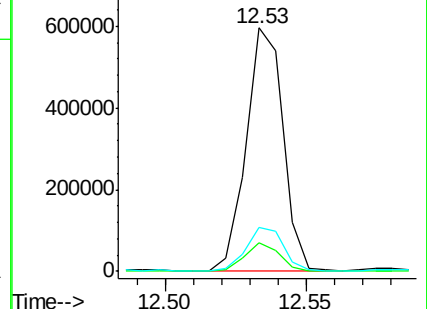
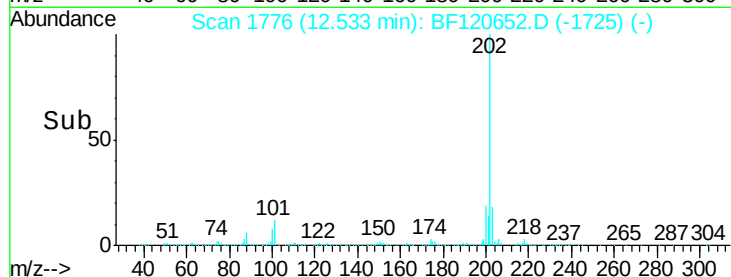
203 18.3 0.0 38.3



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. 0.00 min

Lab File: BF120652.D

Acq: 18 Jun 2020 20:01

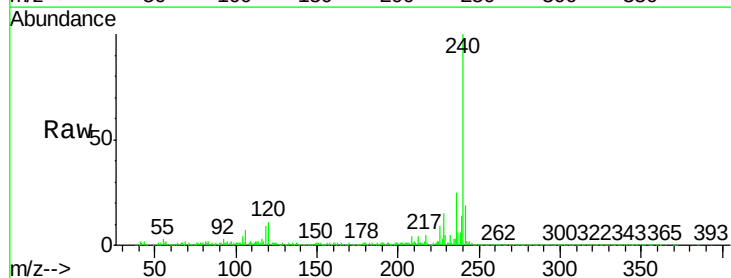
Tgt Ion:240 Resp: 392993

Ion Ratio Lower Upper

240 100

120 10.8 8.3 12.5

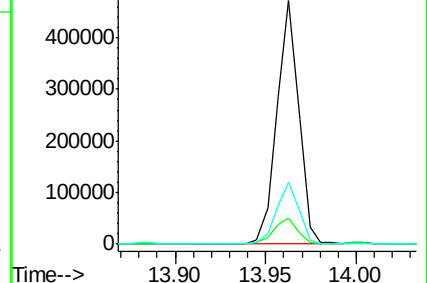
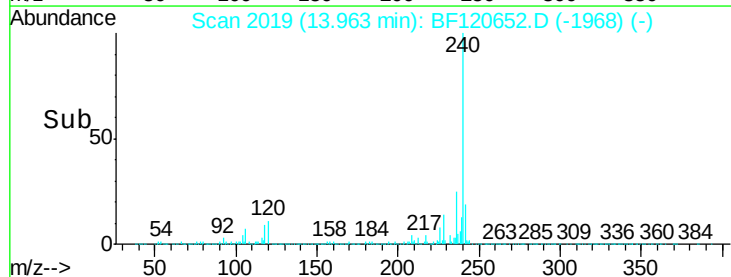
236 25.3 21.0 31.4

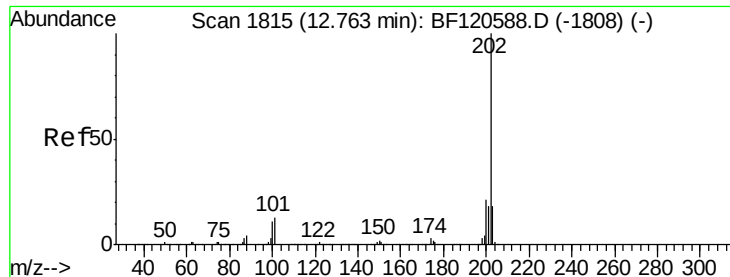


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

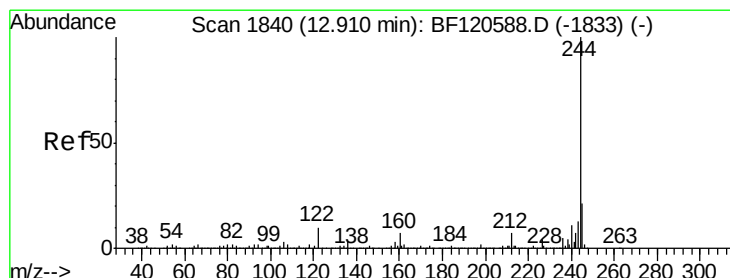
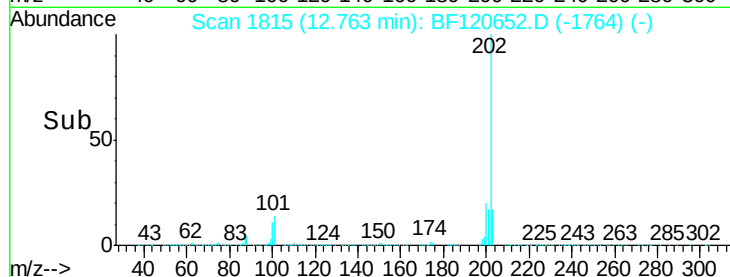
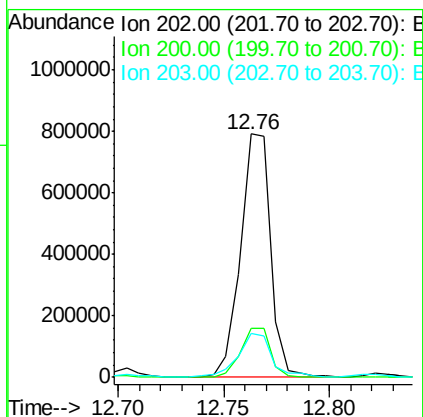
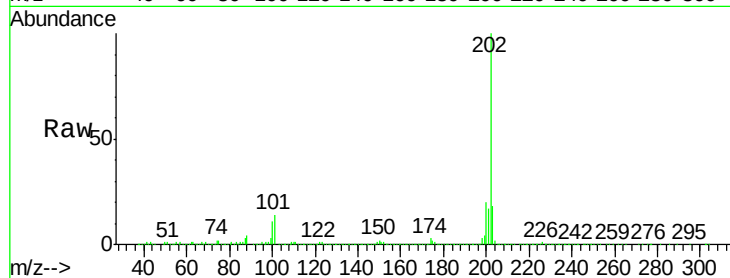




#78
Pvrene
Concen: 27.798 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

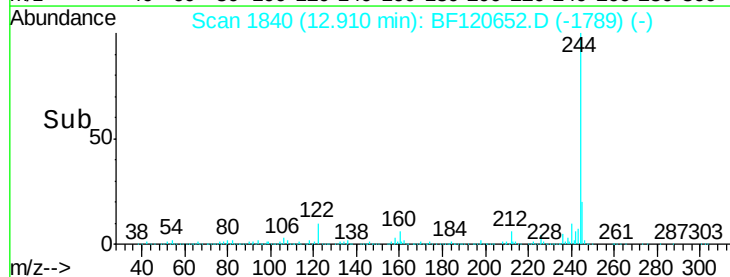
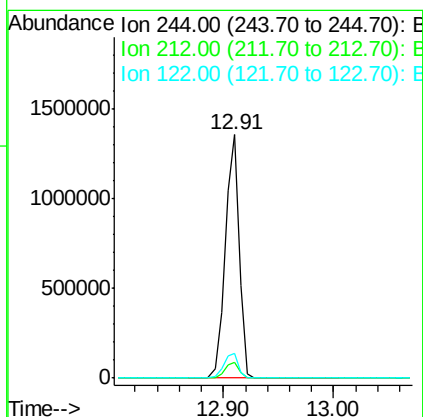
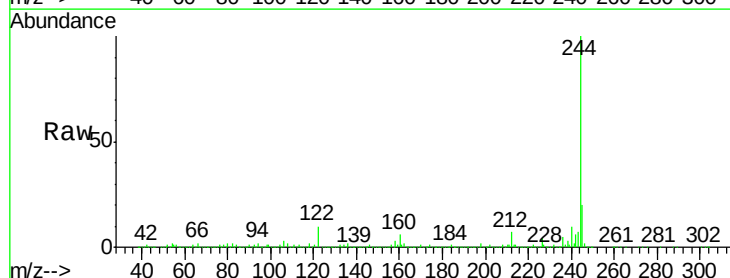
Instrument :
BNA_F
ClientSampleId :
SL-WC-02C

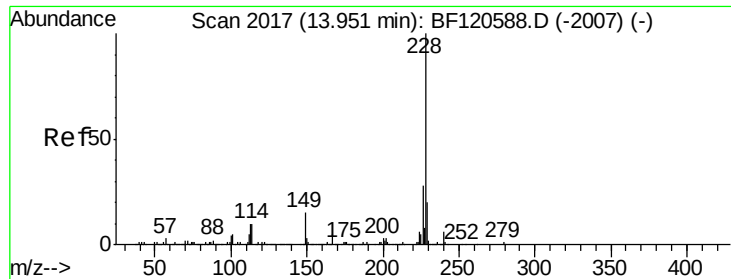
Tot Ion:202 Resp: 773893
Ion Ratio Lower Upper
202 100
200 20.4 16.8 25.2
203 18.0 14.3 21.5



#79
Terphenyl-d14
Concen: 66.892 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

Tgt Ion:244 Resp: 1190104
Ion Ratio Lower Upper
244 100
212 6.5 5.7 8.5
122 10.2 8.3 12.5

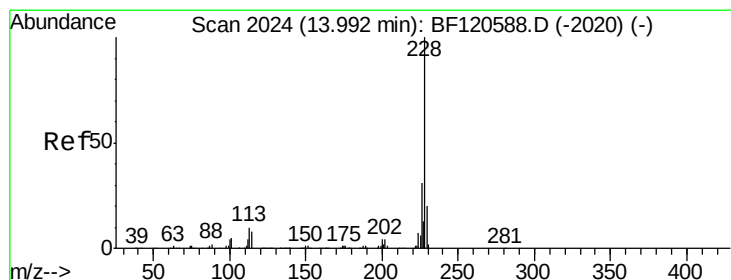
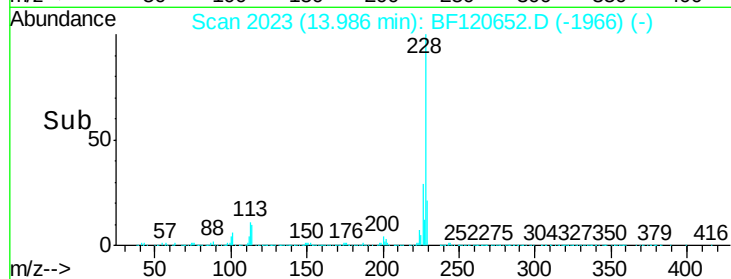
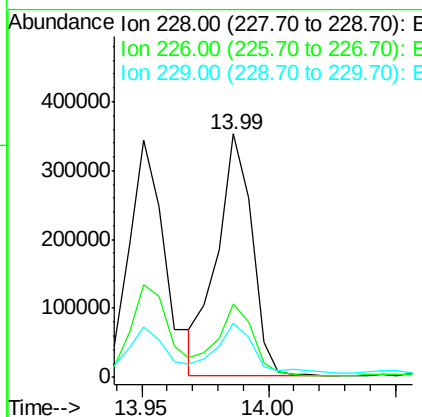
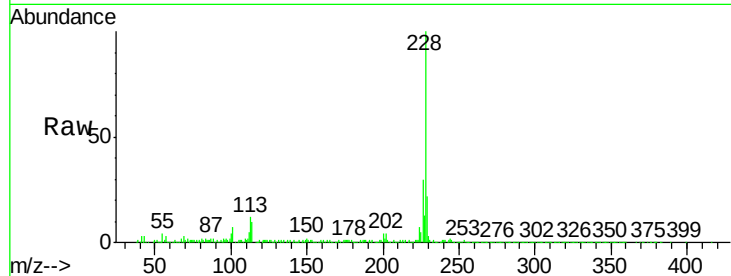




#81
Benzo(a)anthracene
Concen: 14.198 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.04 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

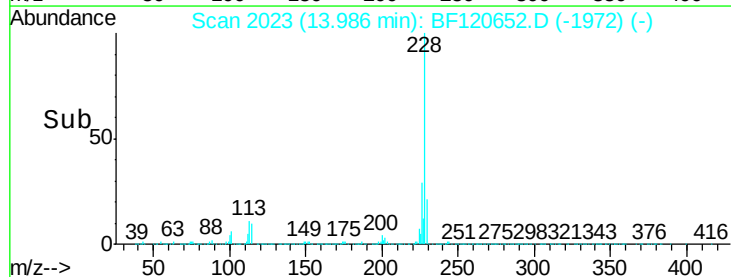
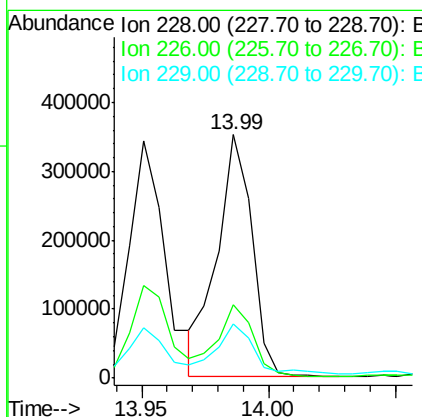
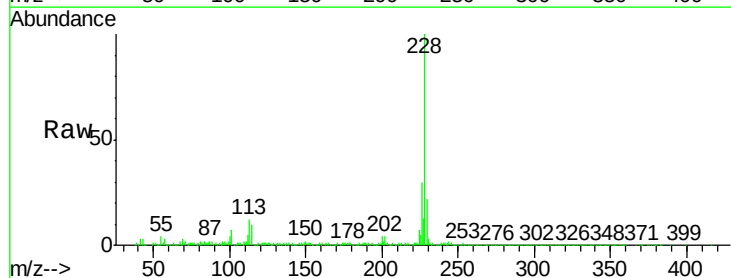
Instrument :
BNA_F
ClientSampleId :
SL-WC-02C

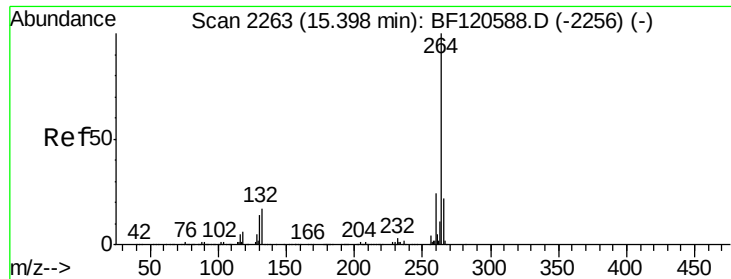
Tot Ion:228 Resp: 335220
Ion Ratio Lower Upper
228 100
226 29.9 22.5 33.7
229 22.1 16.1 24.1



#83
Chrysene
Concen: 13.841 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

Tgt Ion:228 Resp: 335220
Ion Ratio Lower Upper
228 100
226 29.9 24.9 37.3
229 22.1 16.1 24.1

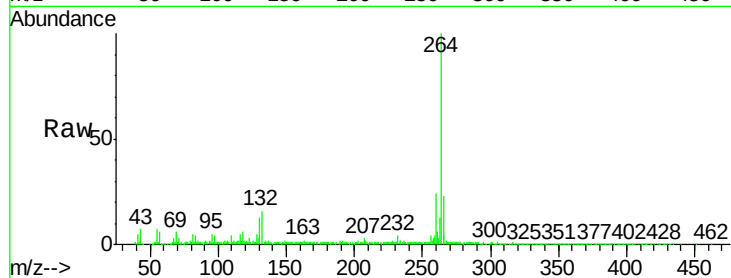




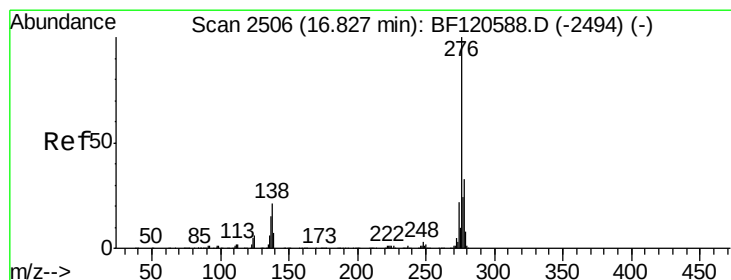
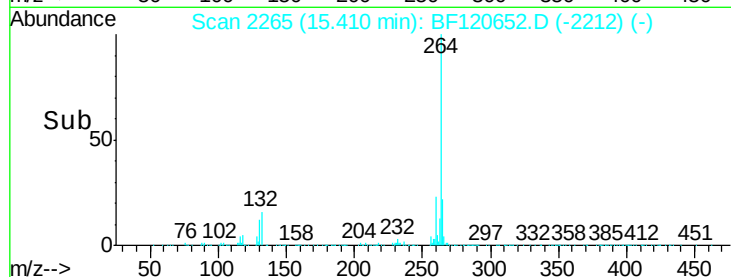
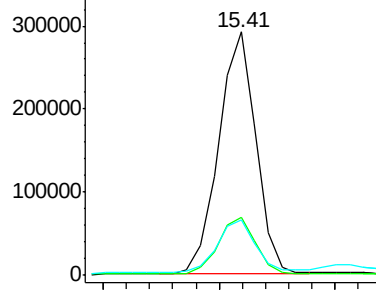
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

Instrument :
BNA_F
ClientSampleId :
SL-WC-02C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	22.9	17.8	26.8

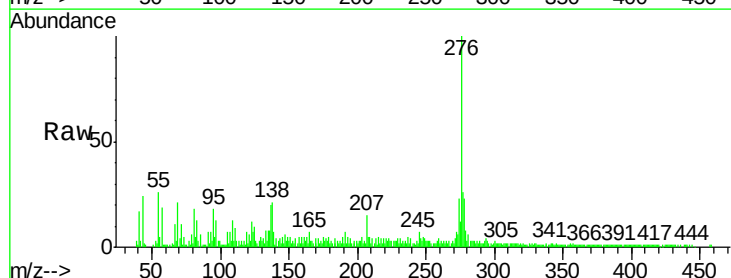


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

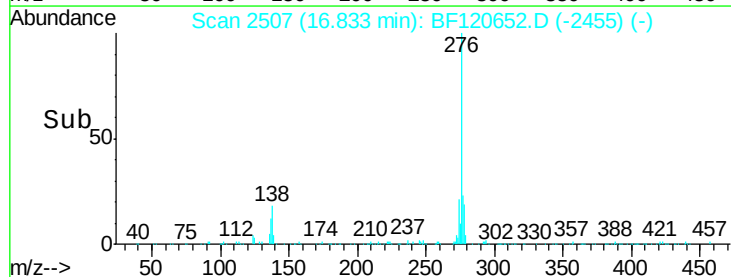
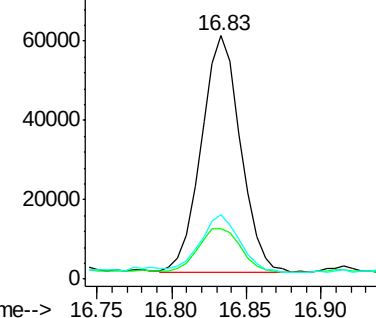


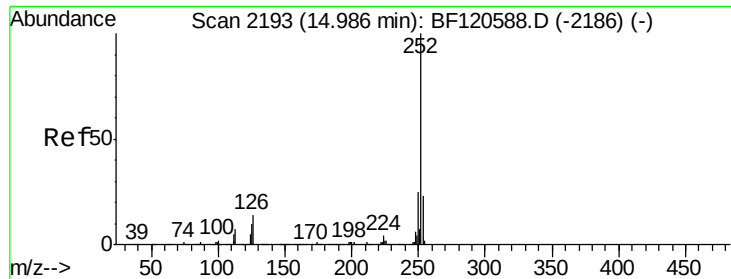
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.443 ng
RT: 16.83 min Scan# 2507
Delta R.T. 0.01 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	18.9	28.3
277	25.4	20.2	30.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

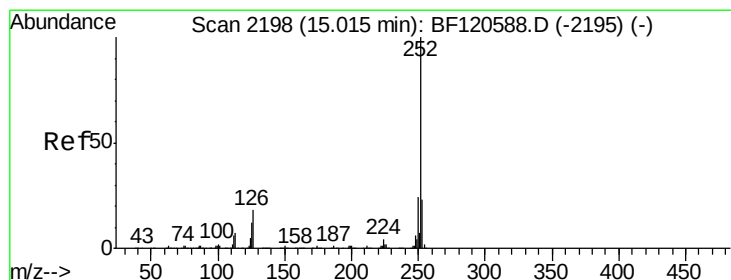
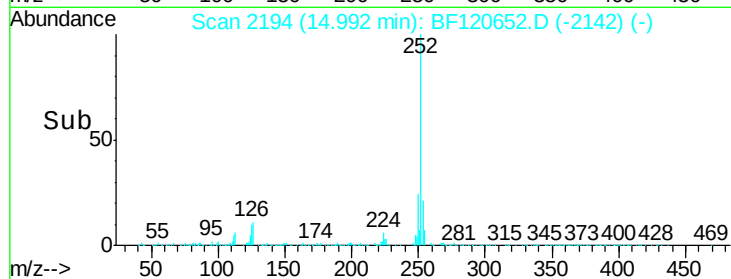
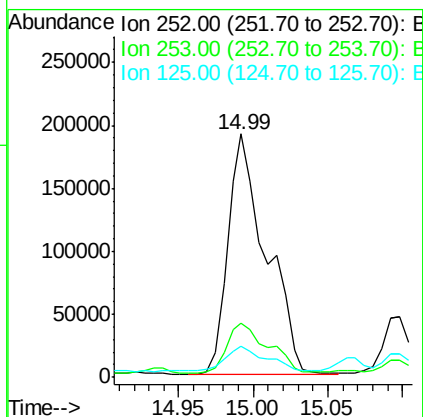
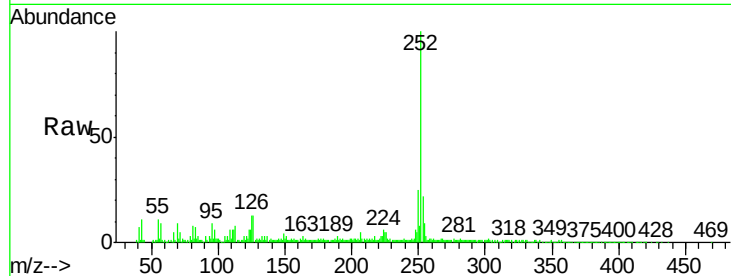




#88
Benzo(b)fluoranthene
Concen: 17.453 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

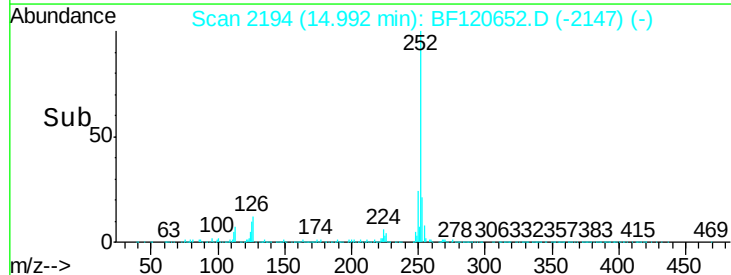
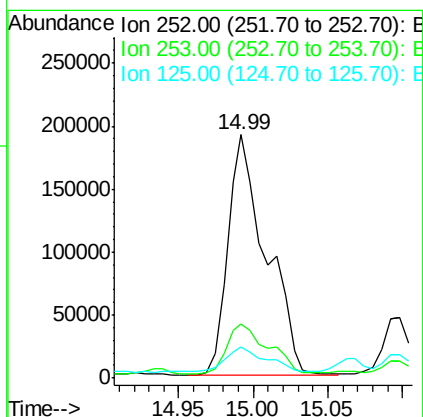
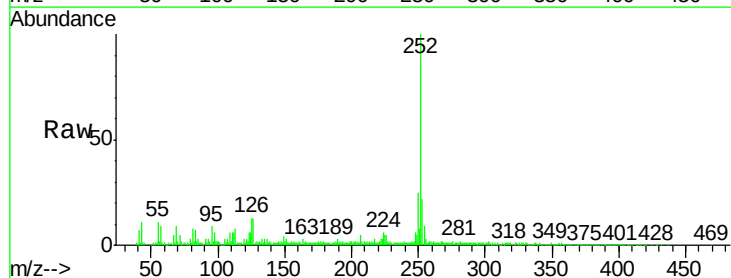
Instrument :
BNA_F
ClientSampled :
SL-WC-02C

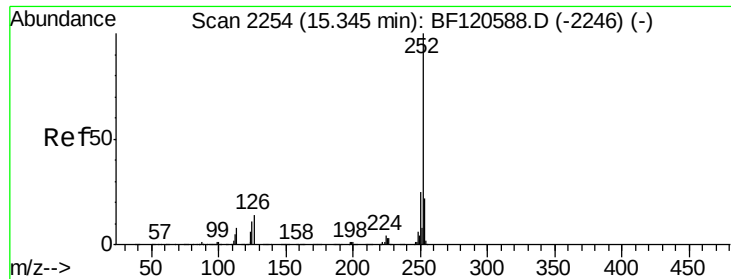
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	12.7	8.3	12.5#



#89
Benzo(k)fluoranthene
Concen: 19.723 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF120652.D
Acq: 18 Jun 2020 20:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.7	8.3	12.5#





#90

Benzo(a)pyrene

Concen: 11.582 ng

RT: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF120652.D

Acq: 18 Jun 2020 20:01

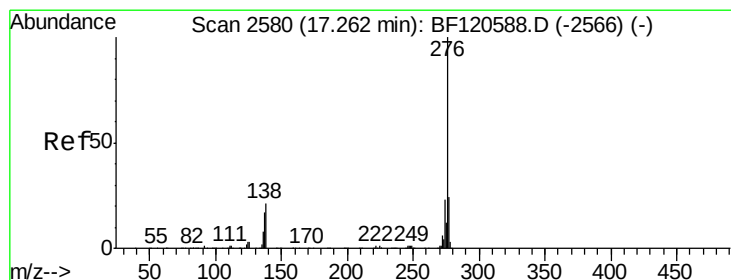
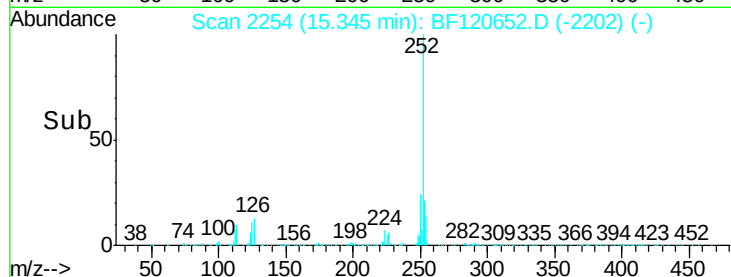
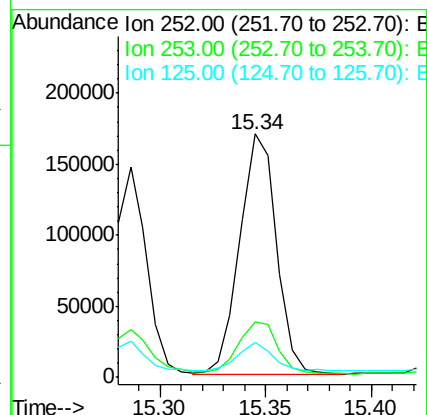
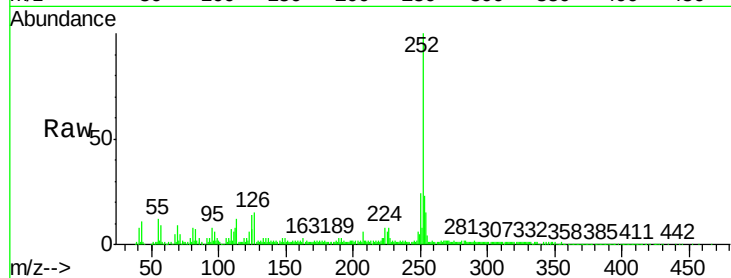
Instrument :

BNA_F

ClientSampleId :

SL-WC-02C

Tot Ion:252	Resp:	202277
Ion Ratio	Lower	Upper
252	100	
253	22.9	17.8 26.8
125	14.2	8.6 12.8#



#92

Benzo(g,h,i)perylene

Concen: 8.054 ng

RT: 17.27 min Scan# 2581

Delta R.T. 0.01 min

Lab File: BF120652.D

Acq: 18 Jun 2020 20:01

Tgt Ion:276	Resp:	129716
Ion Ratio	Lower	Upper
276	100	
277	24.1	19.6 29.4
138	23.2	16.5 24.7

