

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120651.D
 Acq On : 18 Jun 2020 19:33
 Operator : JU/CG
 Sample : L3037-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SL-WC-01C

Quant Time: Jun 19 01:11:41 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	153767	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	563384	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	283536	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	530935	20.00	ng	0.00
76) Chrysene-d12	13.96	240	436136	20.00	ng	0.00
86) Perylene-d12	15.40	264	388577	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	981839	109.47	ng	0.00
7) Phenol-d6	6.44	99	1218393	109.07	ng	0.00
23) Nitrobenzene-d5	7.36	82	749016	74.31	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	354908	107.66	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1446585	78.06	ng	0.00
79) Terphenyl-d14	12.91	244	1632473	82.68	ng	0.00

Target Compounds

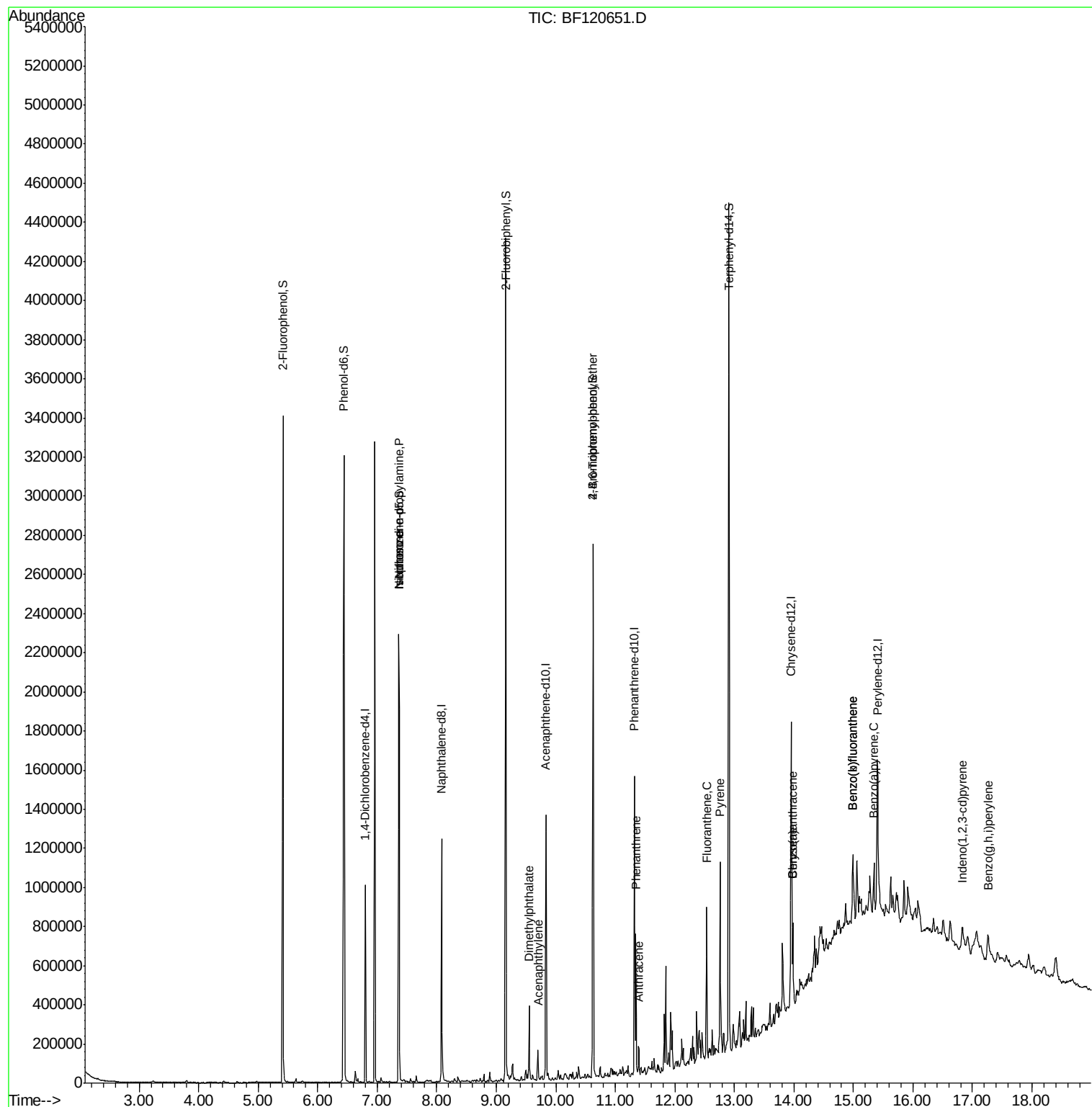
						Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	99993	15.432	ng	# 78
25) Isophorone	7.36	82	749007	38.149	ng	# 62
49) Acenaphthylene	9.70	152	60138	2.251	ng	98
50) Dimethylphthalate	9.55	163	137875	6.752	ng	98
67) 4-Bromophenyl-phenylether	10.63	248	20448	3.393	ng	# 1
71) Phenanthrene	11.35	178	237091	8.983	ng	98
72) Anthracene	11.40	178	56864	2.137	ng	99
75) Fluoranthene	12.53	202	280077	9.282	ng	98
78) Pyrene	12.76	202	383610	12.416	ng	98
81) Benzo(a)anthracene	13.99	228	187725	7.164	ng	96
83) Chrysene	13.99	228	187725	6.984	ng	97
87) Indeno(1,2,3-cd)pyrene	16.83	276	65491	2.771	ng	96
88) Benzo(b)fluoranthene	14.99	252	220648	9.533	ng	# 96
89) Benzo(k)fluoranthene	14.99	252	220648	10.773	ng	# 96
90) Benzo(a)pyrene	15.34	252	124516	6.011	ng	# 93
92) Benzo(g,h,i)perylene	17.26	276	77505	4.057	ng	93

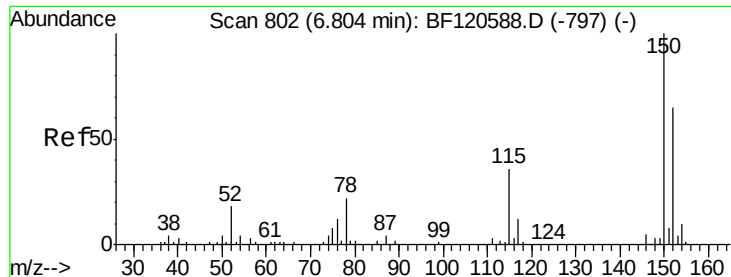
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

ClientSampleId :

SL-WC-01C

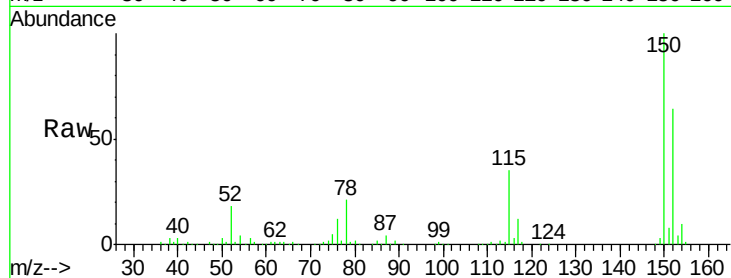
Tot Ion:152 Resp: 153767

Ion Ratio Lower Upper

152 100

150 156.5 123.2 184.8

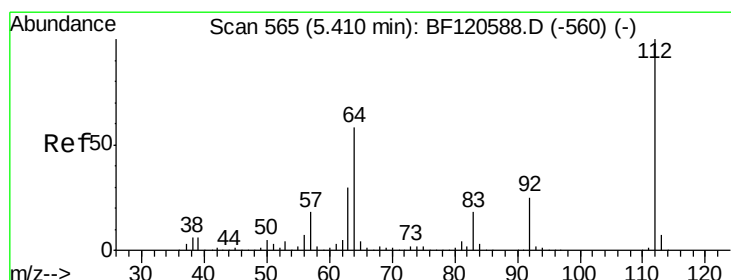
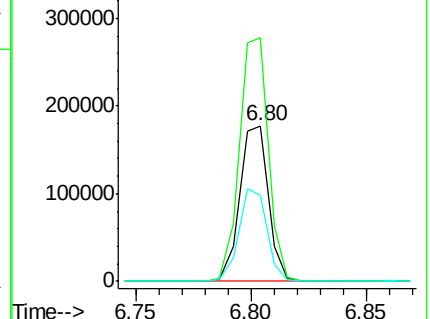
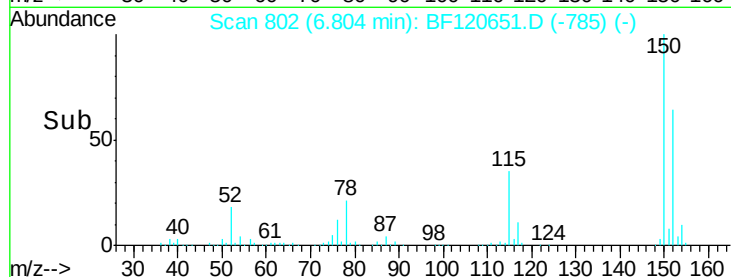
115 55.3 43.9 65.9



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: 109.472 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

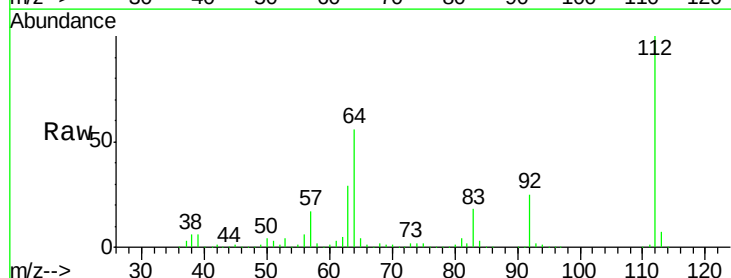
Tgt Ion:112 Resp: 981839

Ion Ratio Lower Upper

112 100

64 55.8 46.1 69.1

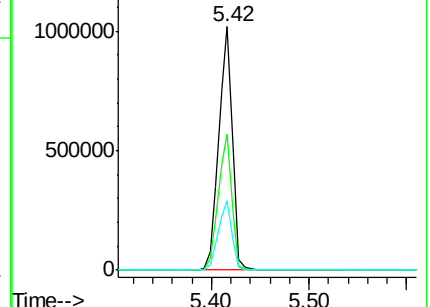
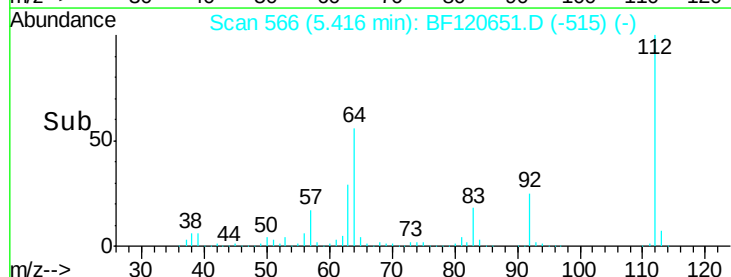
63 28.8 23.7 35.5

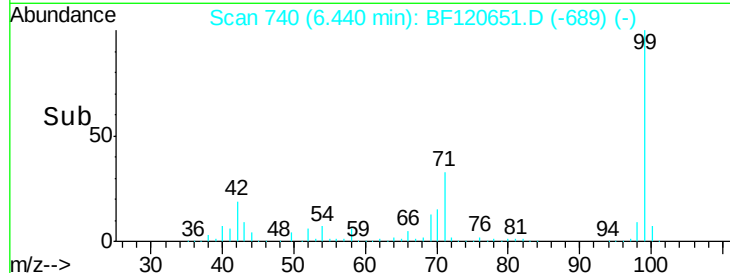
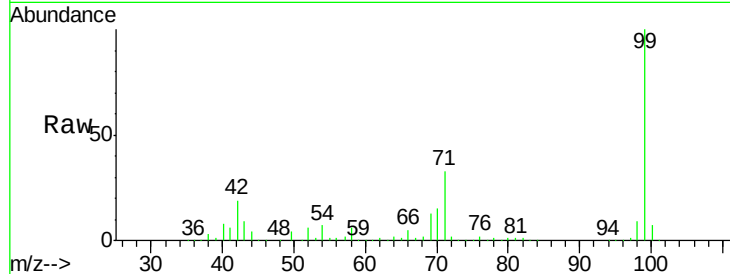
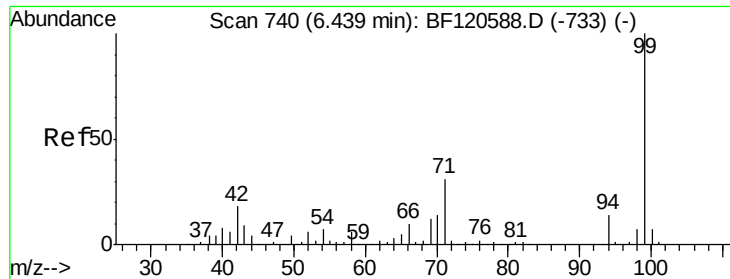


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 109.070 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

ClientSampleId :

SL-WC-01C

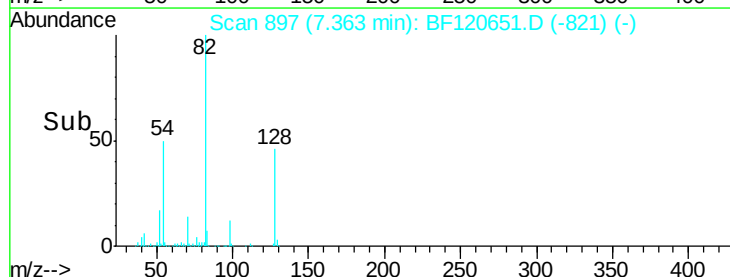
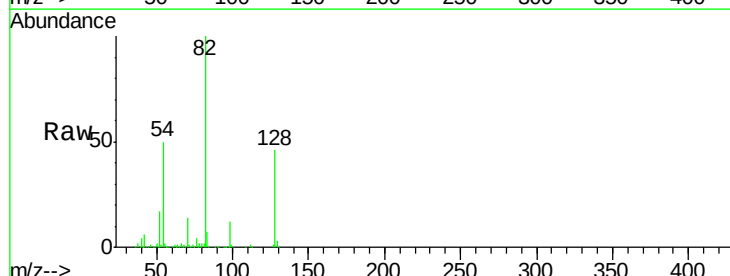
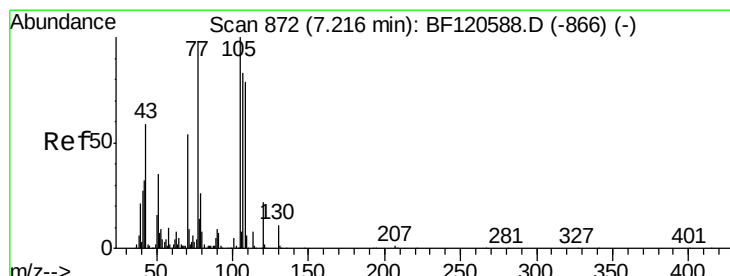
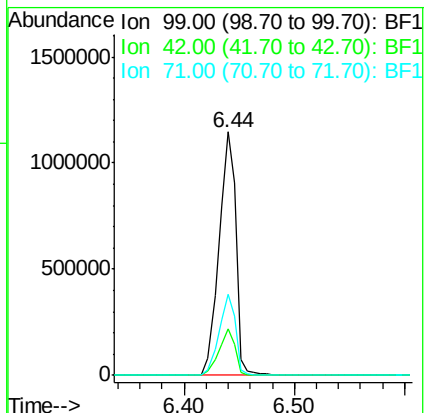
Tot Ion: 99 Resp: 1218393

Ion Ratio Lower Upper

99 100

42 18.9 14.0 21.0

71 33.3 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.432 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Tgt Ion: 70 Resp: 99993

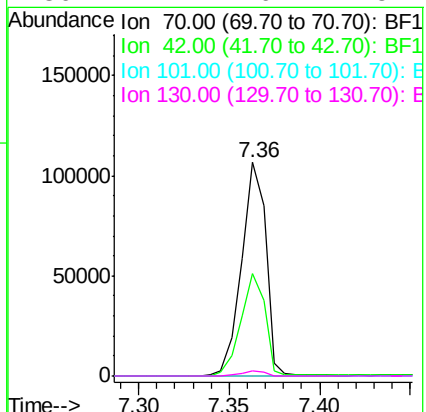
Ion Ratio Lower Upper

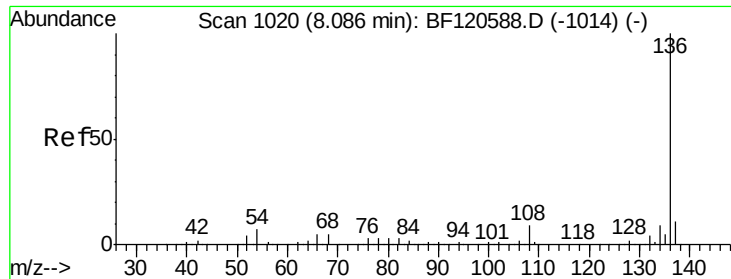
70 100

42 47.8 47.7 71.5

101 0.0 7.6 11.4#

130 2.2 16.7 25.1#

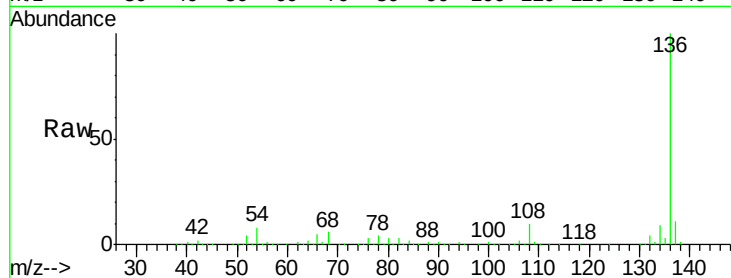




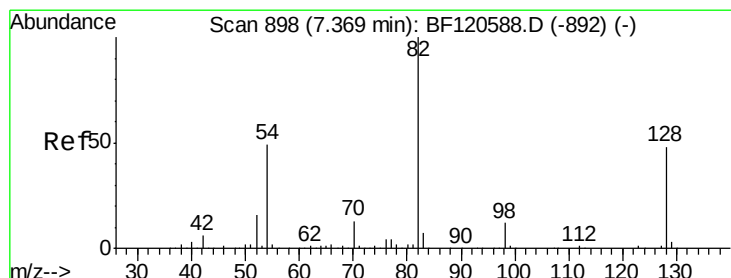
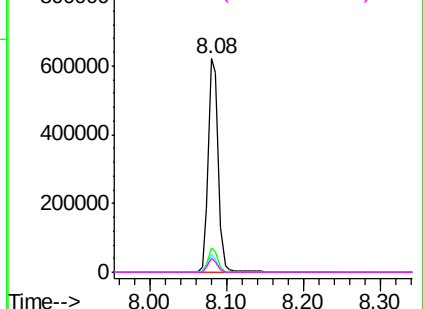
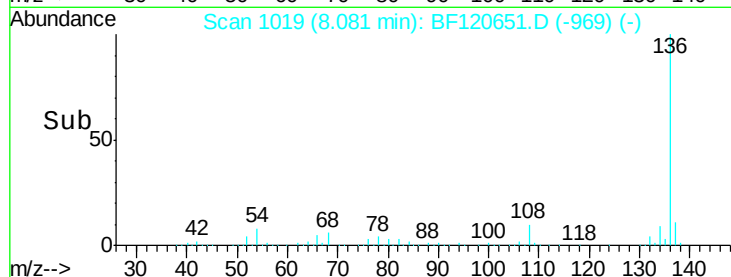
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Instrument :
BNA_F
ClientSampleId :
SL-WC-01C

Tot Ion:136 Resp: 563384
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 8.3 5.8 8.6
68 6.5 4.4 6.6

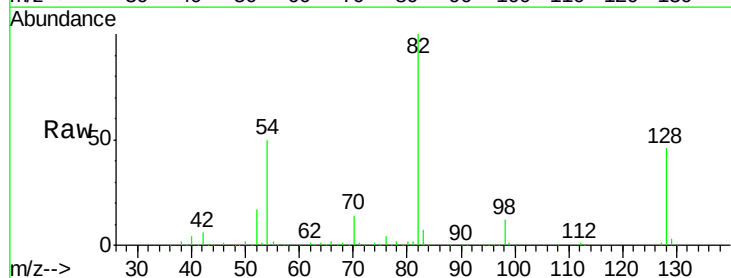


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

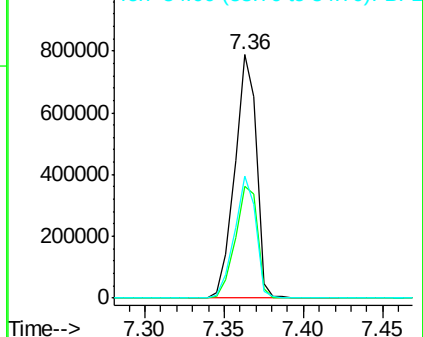
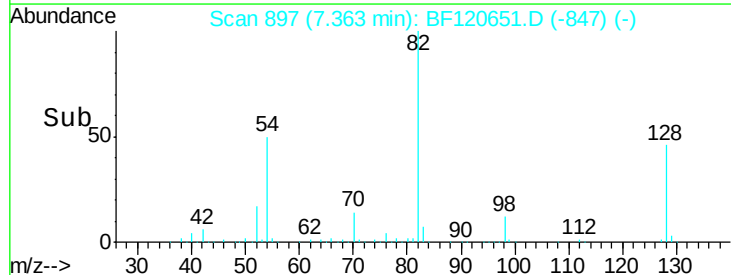


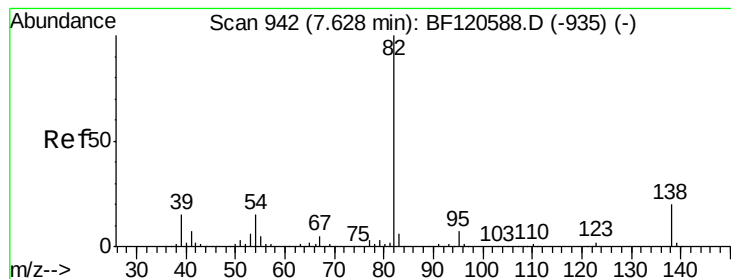
#23
Nitrobenzene-d5
Concen: 74.314 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Tgt Ion: 82 Resp: 749016
Ion Ratio Lower Upper
82 100
128 46.1 38.0 57.0
54 50.2 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: 38.149 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

ClientSampleId :

SL-WC-01C

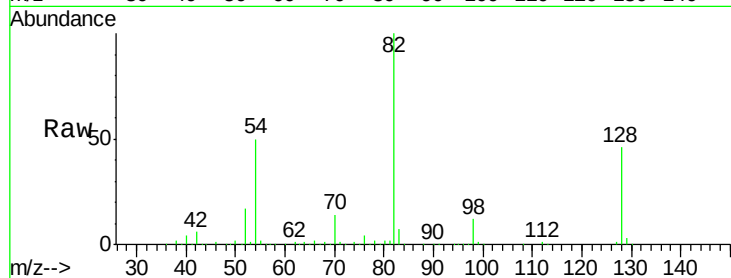
Tot Ion: 82 Resp: 749007

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

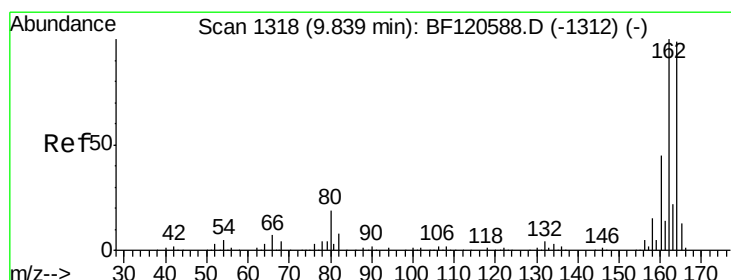
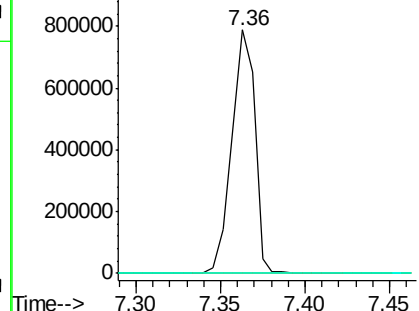
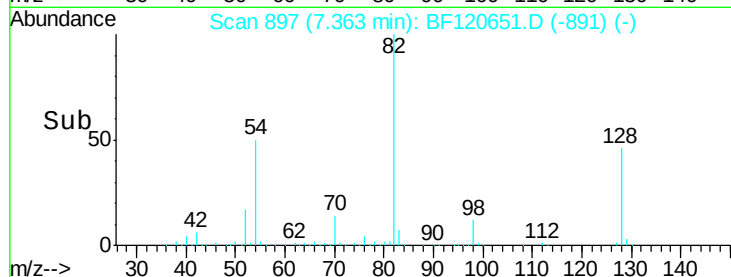
138 0.0 16.2 24.4#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

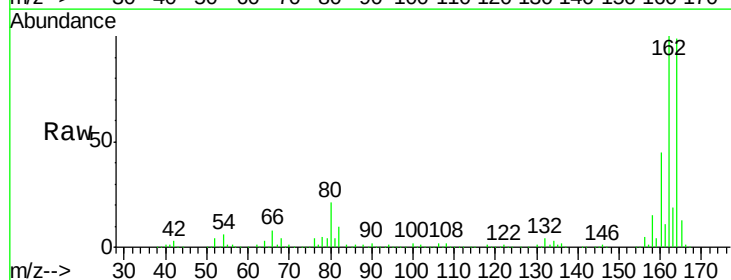
Tgt Ion: 164 Resp: 283536

Ion Ratio Lower Upper

164 100

162 101.4 80.6 120.8

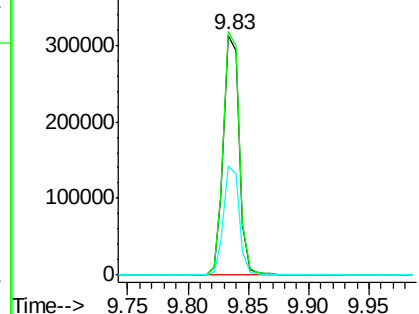
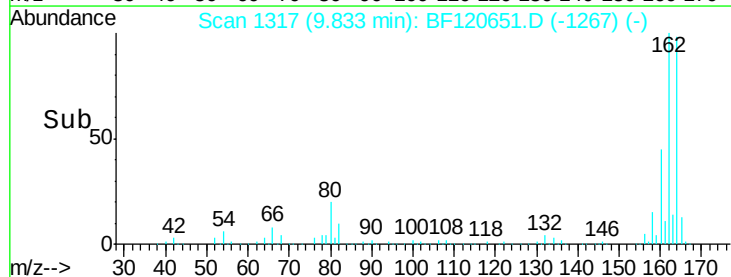
160 45.4 36.2 54.2

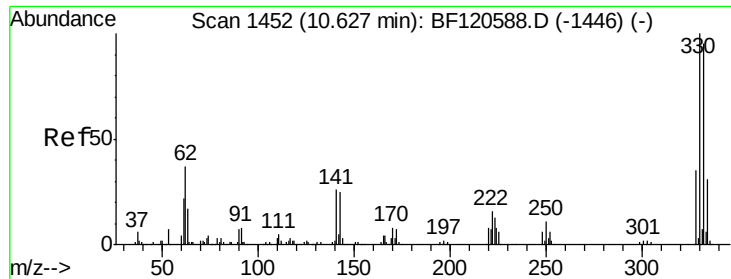


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

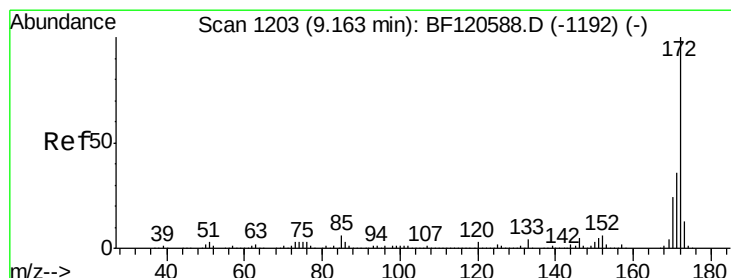
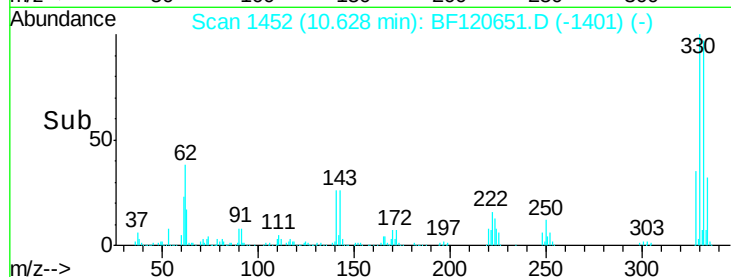
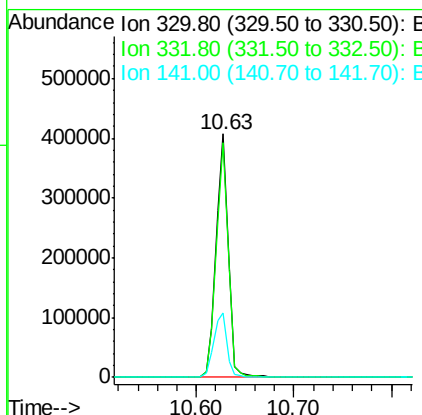
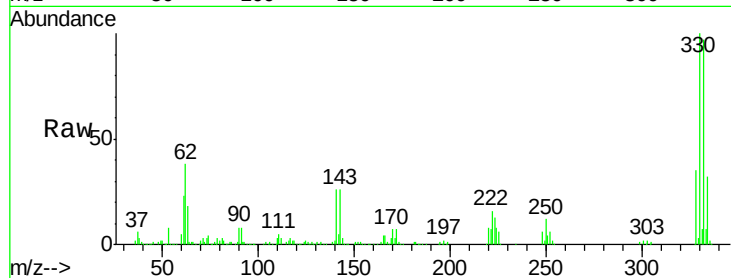




#42
 2,4,6-Tribromophenol
 Concen: 107.662 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120651.D
 Acq: 18 Jun 2020 19:33

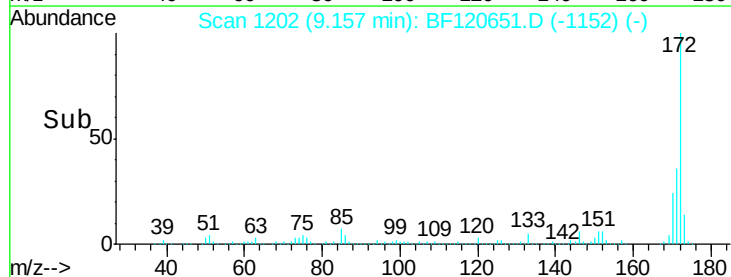
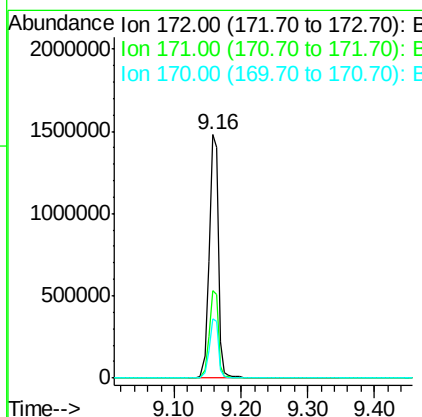
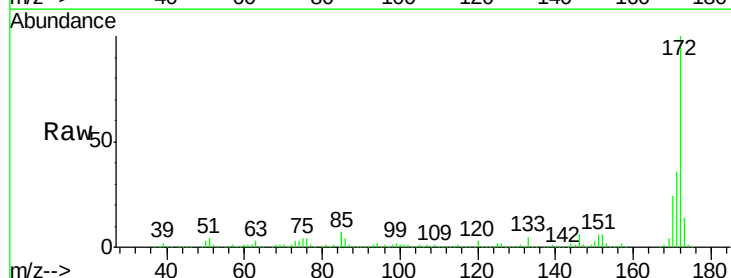
Instrument :
 BNA_F
 ClientSampleId :
 SL-WC-01C

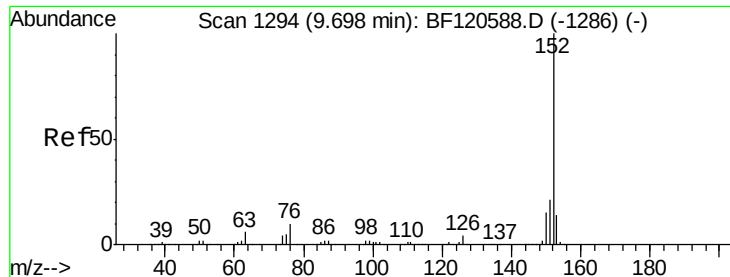
Tot Ion:330 Resp: 354908
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.8 115.2
 141 29.2 23.2 34.8



#45
 2-Fluorobiphenyl
 Concen: 78.059 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120651.D
 Acq: 18 Jun 2020 19:33

Tgt Ion:172 Resp: 1446585
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.4
 170 24.2 19.4 29.2





#49

Acenaphthylene

Concen: 2.251 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

ClientSampleId :

SL-WC-01C

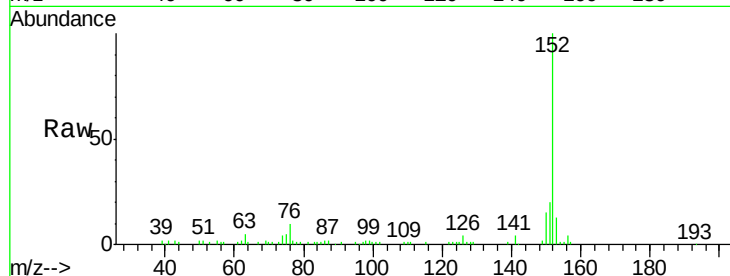
Tot Ion:152 Resp: 60138

Ion Ratio Lower Upper

152 100

151 19.8 16.6 25.0

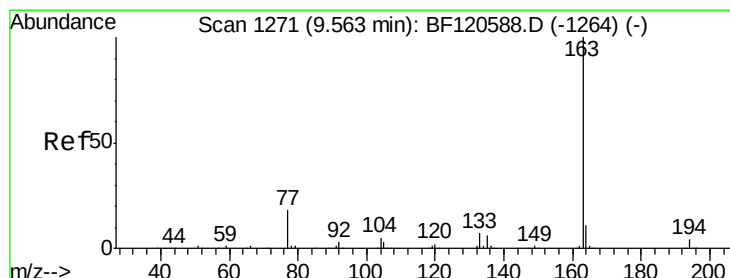
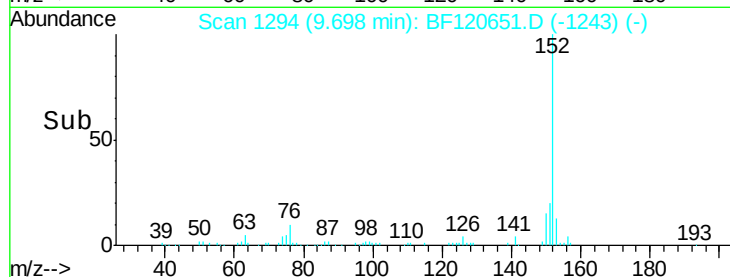
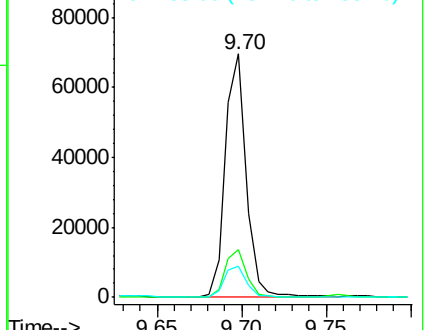
153 13.0 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 6.752 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

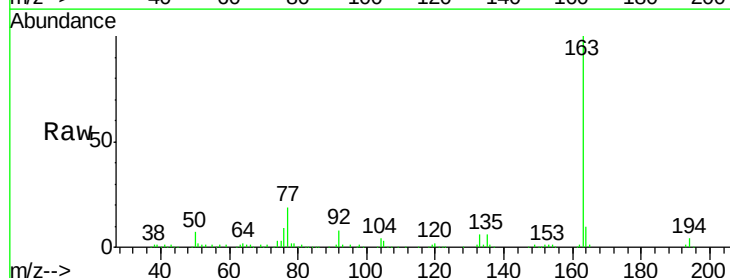
Tgt Ion:163 Resp: 137875

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

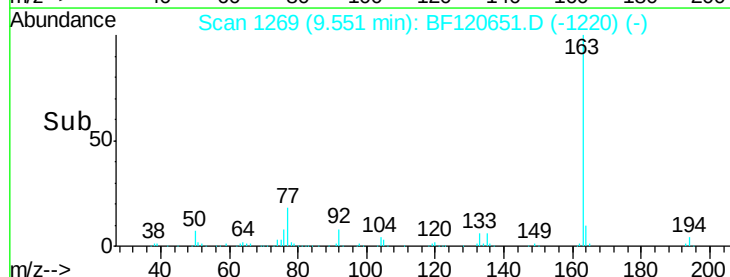
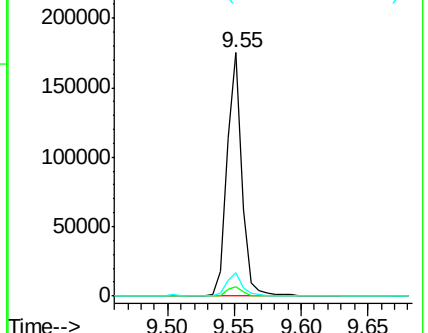
164 9.8 8.5 12.7

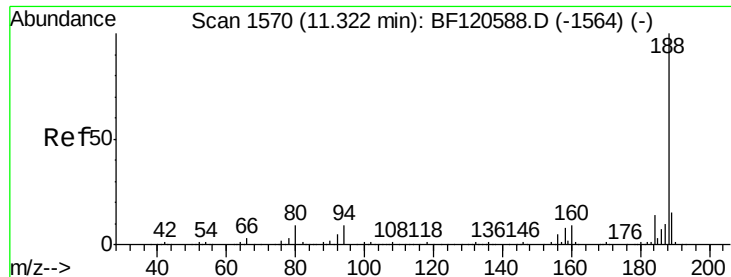


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

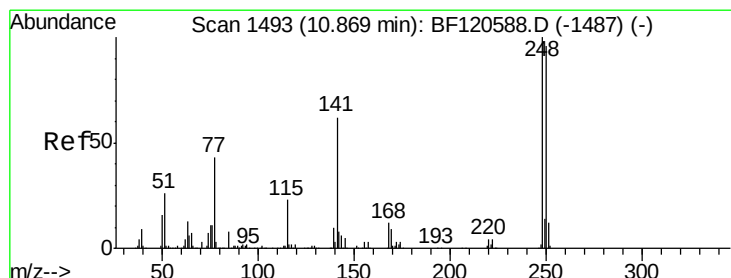
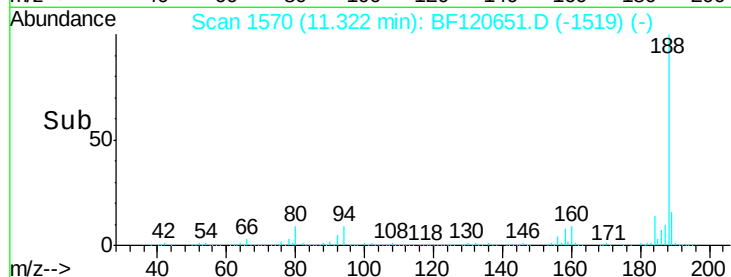
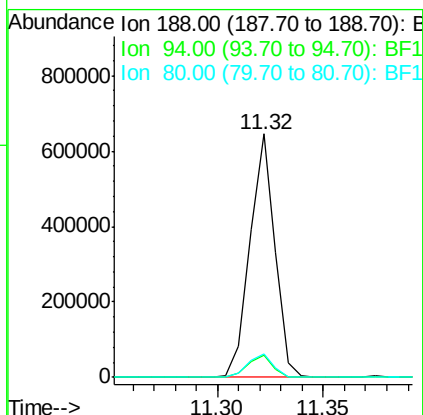
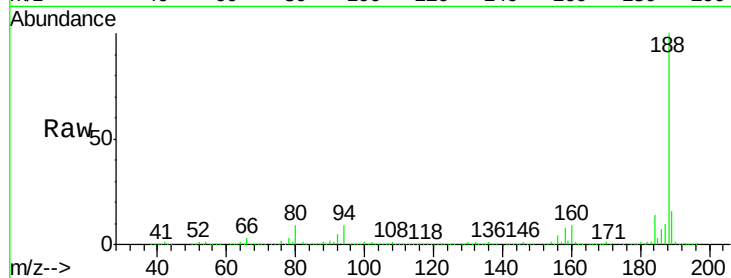




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF120651.D
 Acq: 18 Jun 2020 19:33

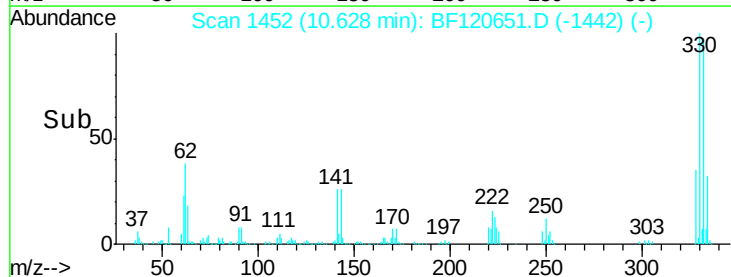
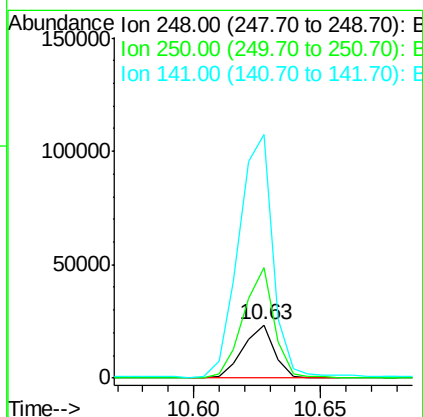
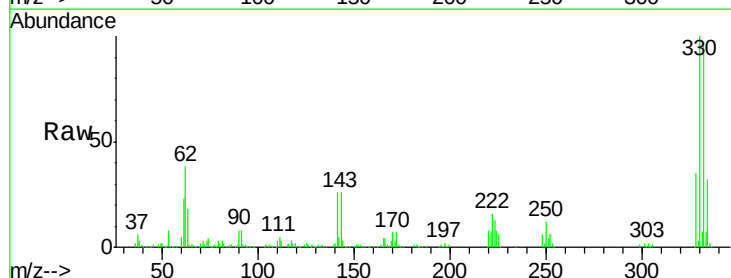
Instrument :
 BNA_F
 ClientSampleId :
 SL-WC-01C

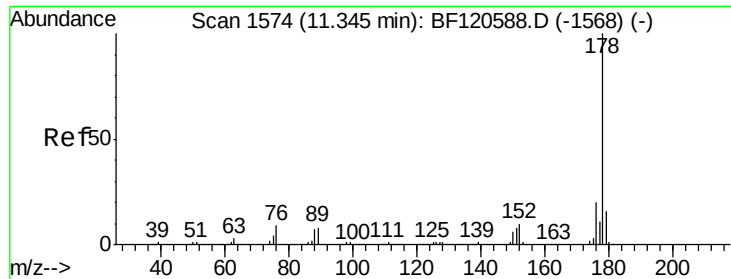
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	9.5	7.4	11.2



#67
 4-Bromophenyl-phenylether
 Concen: 3.393 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF120651.D
 Acq: 18 Jun 2020 19:33

Tgt Ion	Ratio	Lower	Upper
248	100		
250	205.9	76.7	115.1#
141	455.1	49.4	74.0#

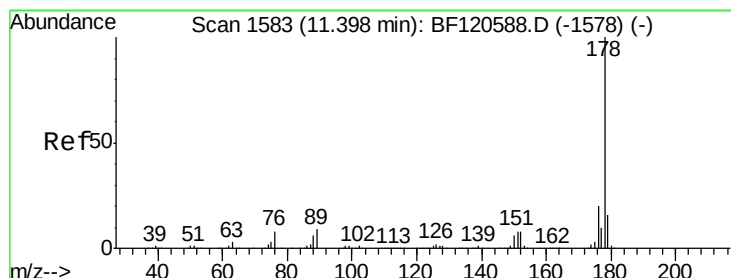
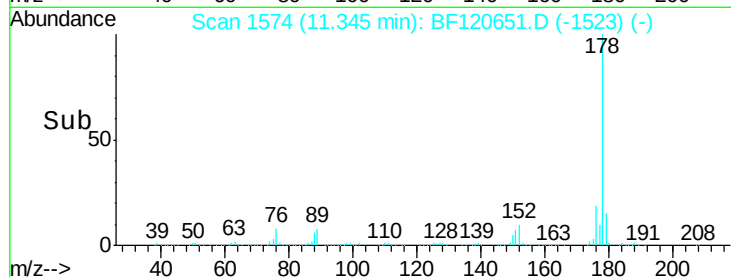
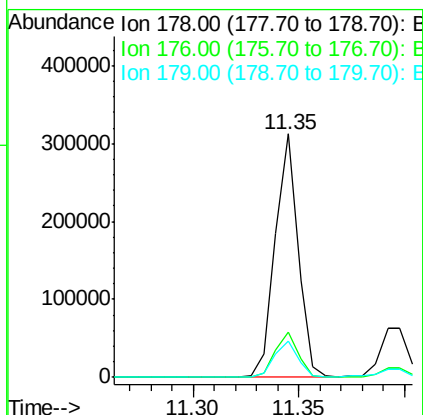
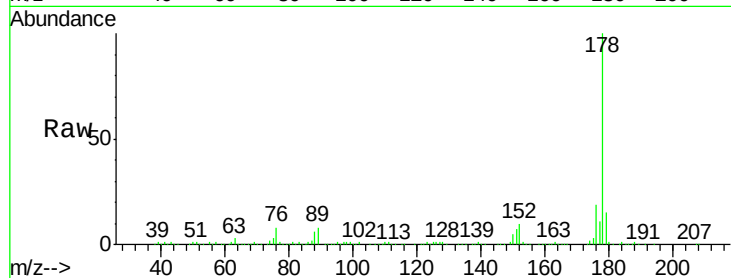




#71
Phenanthrene
Concen: 8.983 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

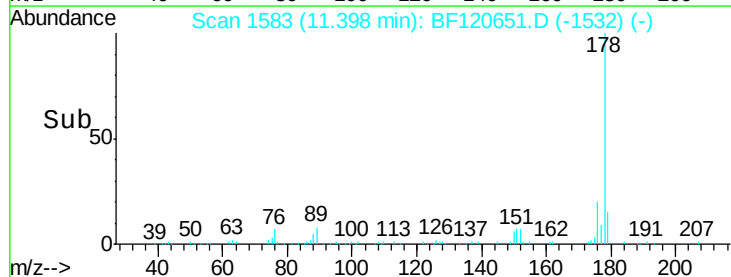
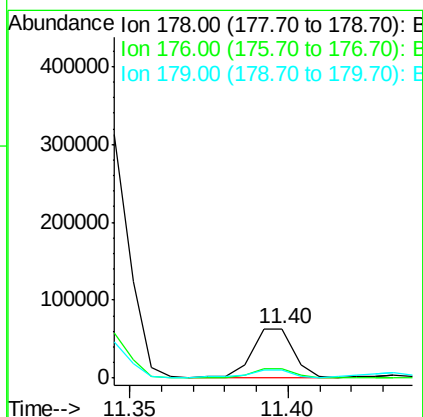
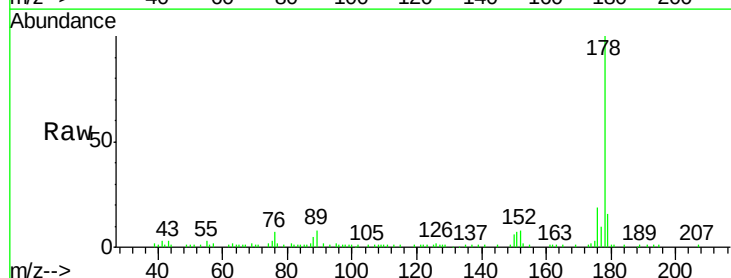
Instrument :
BNA_F
ClientSampleId :
SL-WC-01C

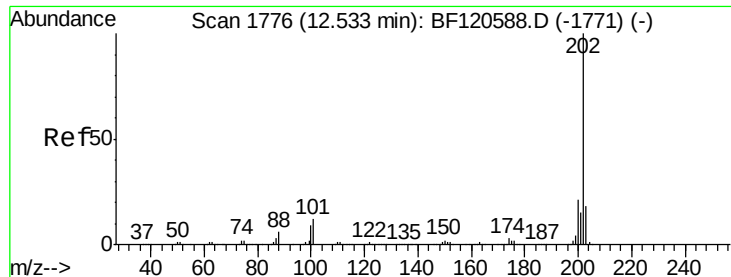
Tot Ion:178 Resp: 237091
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 15.1 12.8 19.2



#72
Anthracene
Concen: 2.137 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Tgt Ion:178 Resp: 56864
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.6 12.9 19.3





#75

Fluoranthene

Concen: 9.282 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

ClientSampleId :

SL-WC-01C

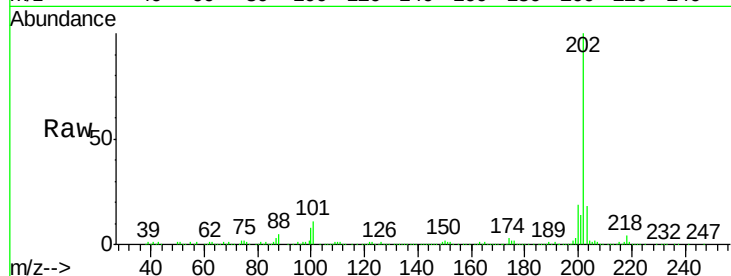
Tot Ion:202 Resp: 280077

Ion Ratio Lower Upper

202 100

101 10.7 0.0 32.0

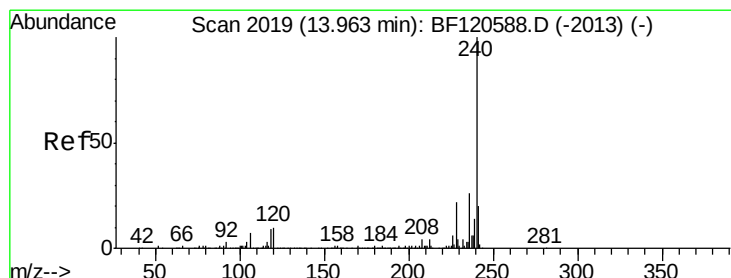
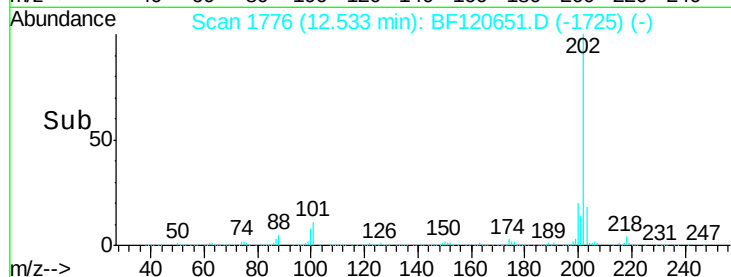
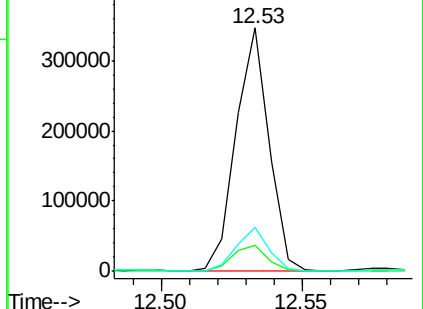
203 17.9 0.0 38.3



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# 2018

Delta R.T. -0.01 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

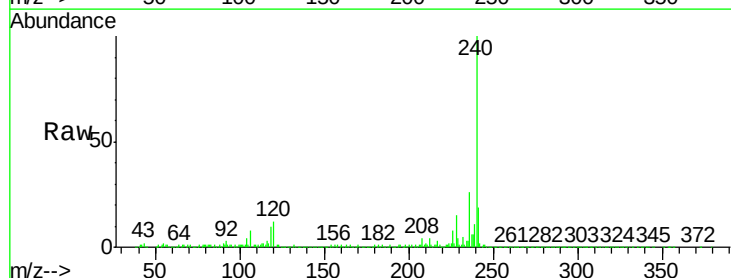
Tgt Ion:240 Resp: 436136

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

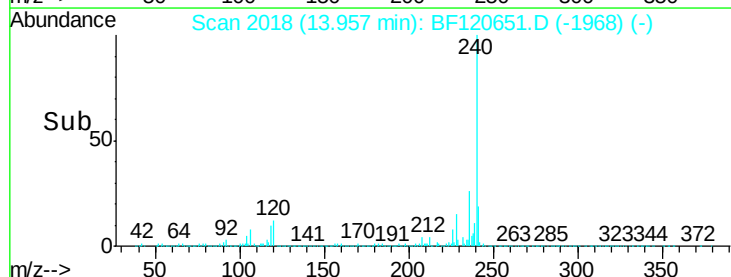
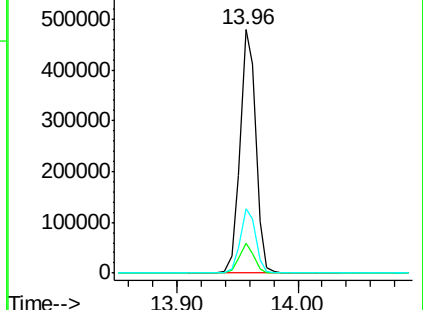
236 26.4 21.0 31.4

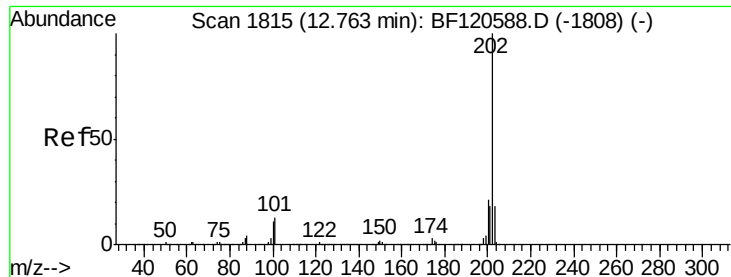


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 12.416 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

ClientSampleId :

SL-WC-01C

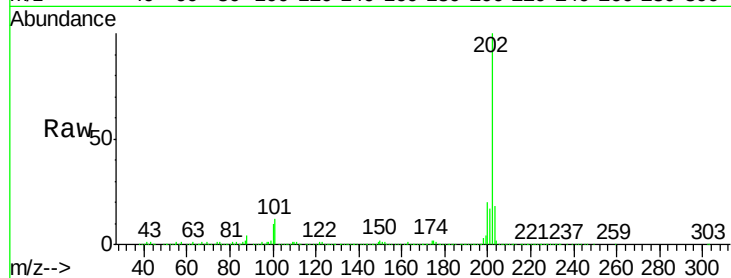
Tot Ion:202 Resp: 383610

Ion Ratio Lower Upper

202 100

200 19.8 16.8 25.2

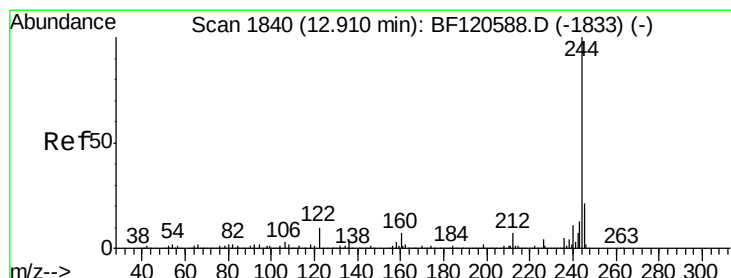
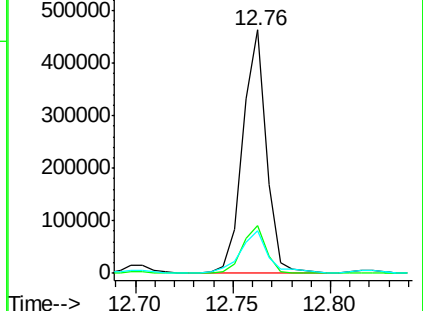
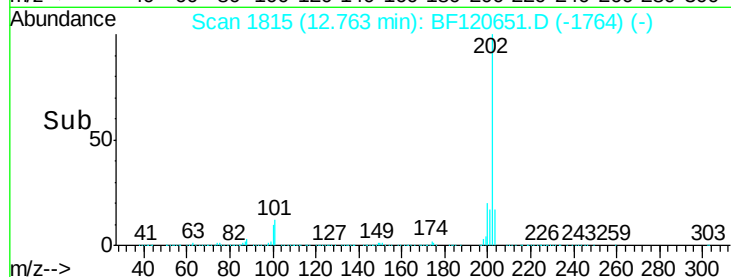
203 17.5 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 82.679 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

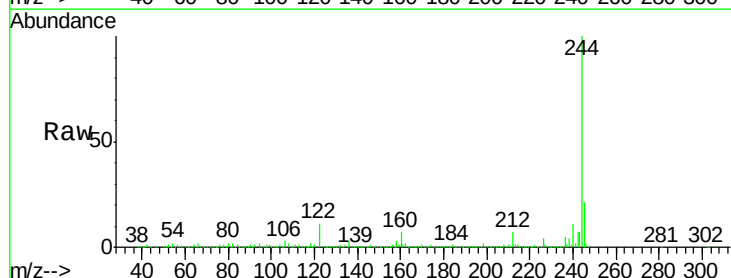
Tgt Ion:244 Resp: 1632473

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

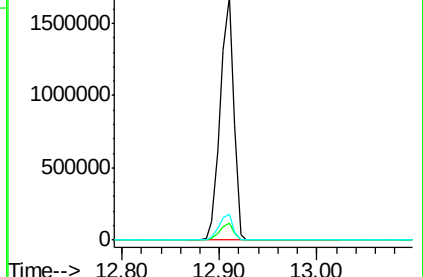
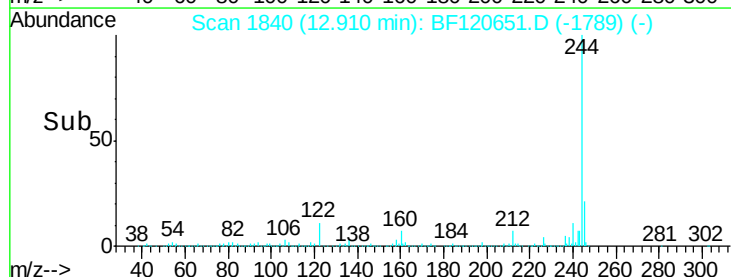
122 10.6 8.3 12.5

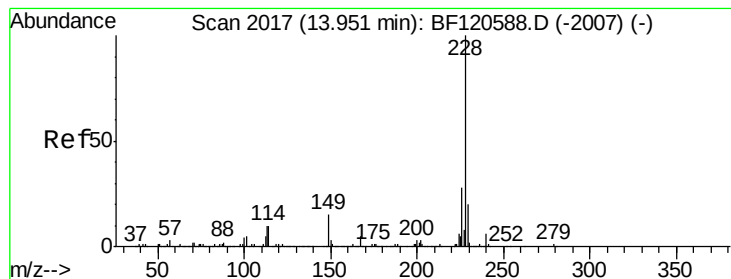


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 7.164 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.04 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

ClientSampleId :

SL-WC-01C

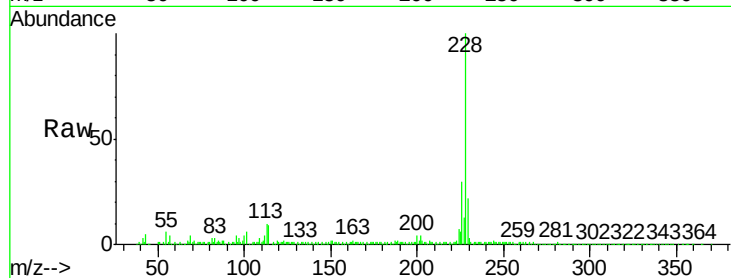
Tot Ion:228 Resp: 187725

Ion Ratio Lower Upper

228 100

226 30.2 22.5 33.7

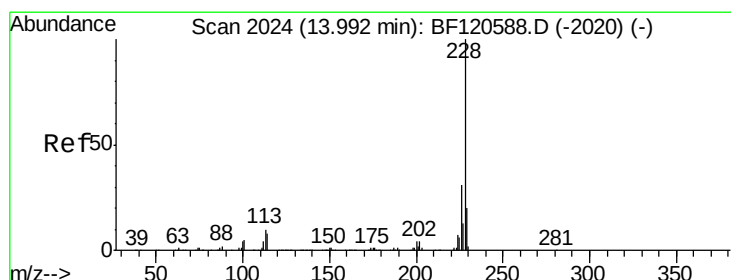
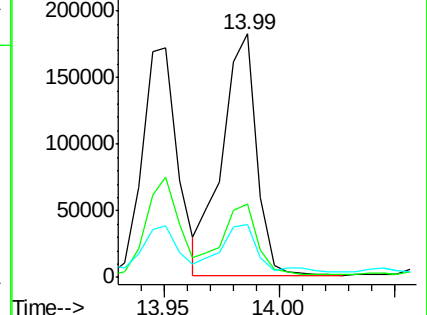
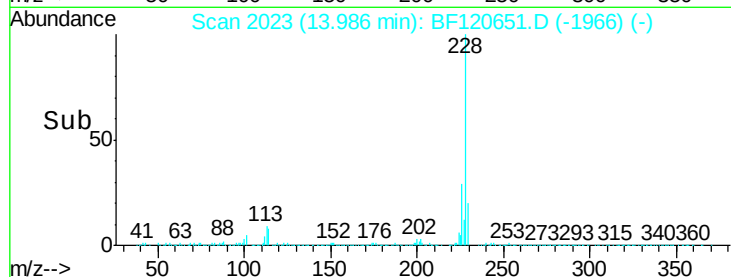
229 21.9 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.984 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

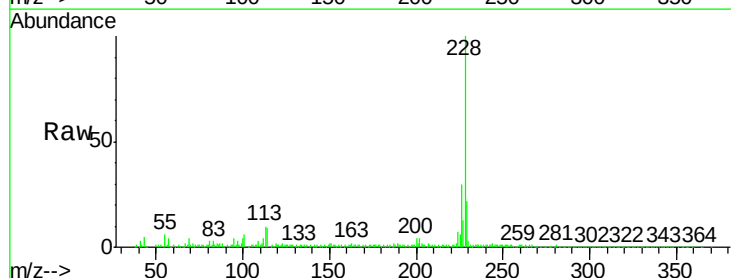
Tgt Ion:228 Resp: 187725

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

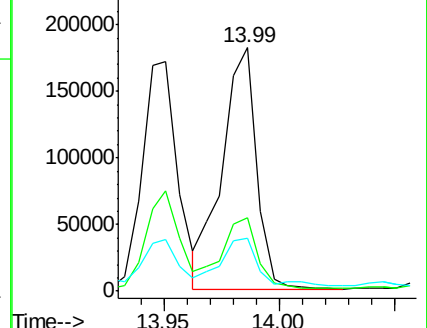
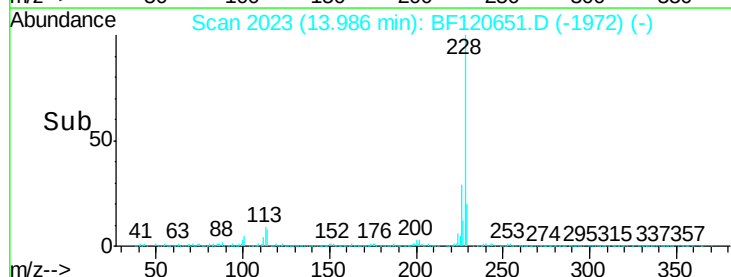
229 21.9 16.1 24.1

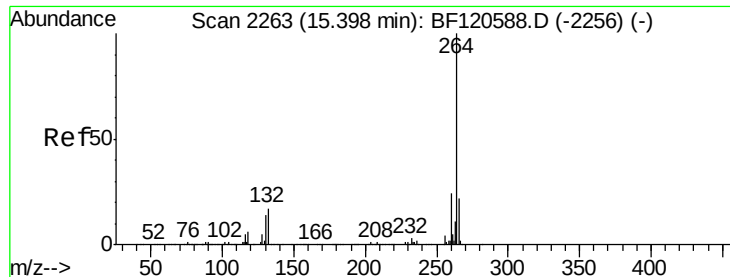


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

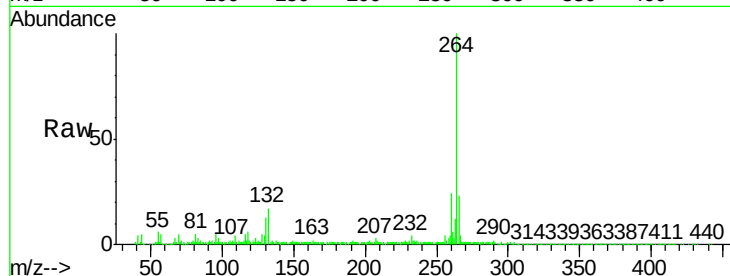




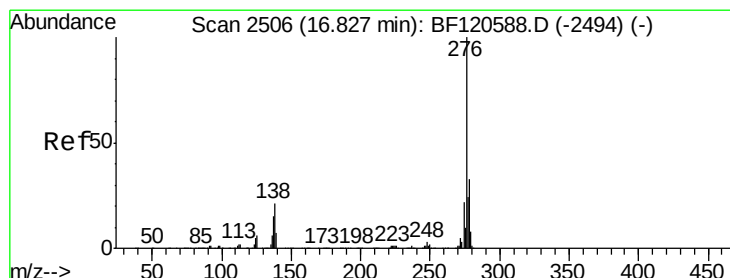
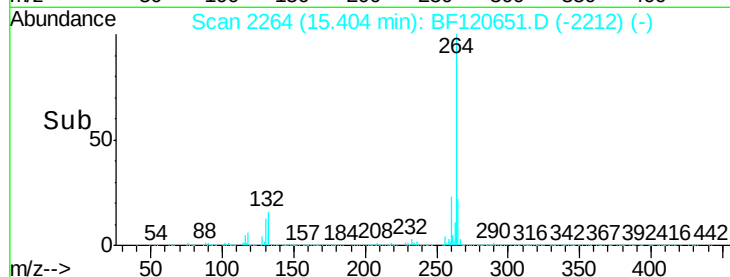
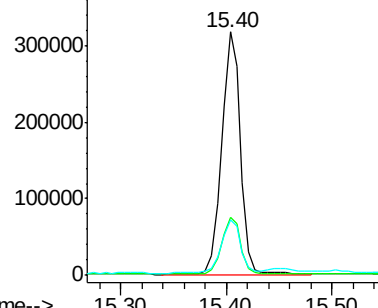
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Instrument :
BNA_F
ClientSampleId :
SL-WC-01C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	23.0	17.8	26.8

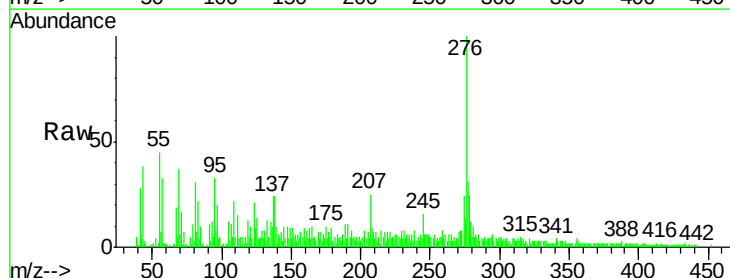


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

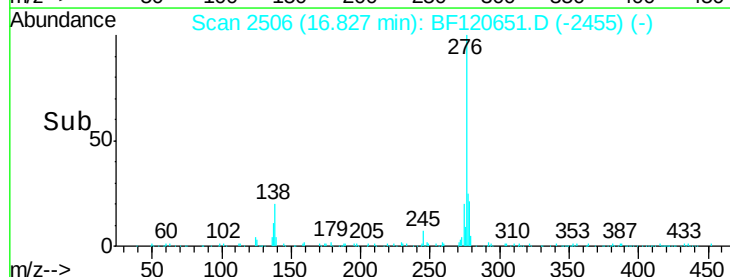
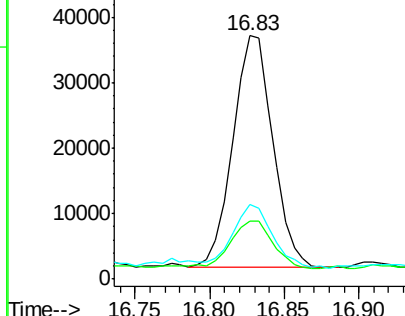


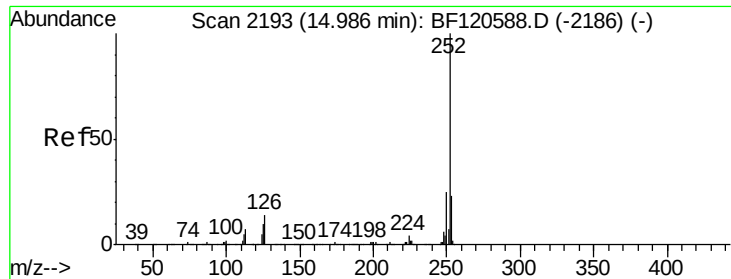
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.771 ng
RT: 16.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	18.9	28.3
277	27.6	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: 9.533 ng

RT: 14.99 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

ClientSampleId :

SL-WC-01C

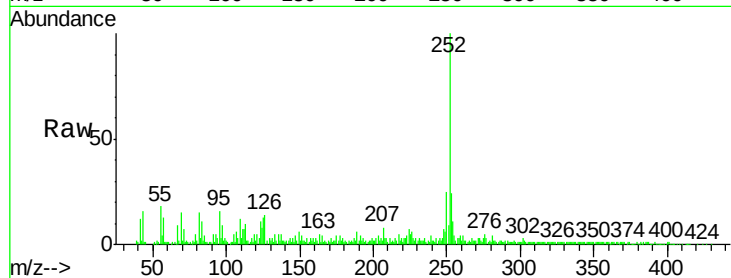
Tot Ion:252 Resp: 220648

Ion Ratio Lower Upper

252 100

253 23.9 18.1 27.1

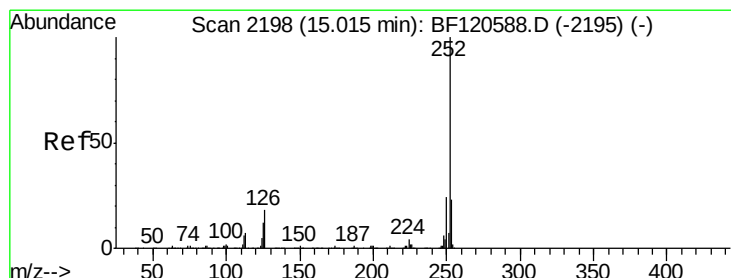
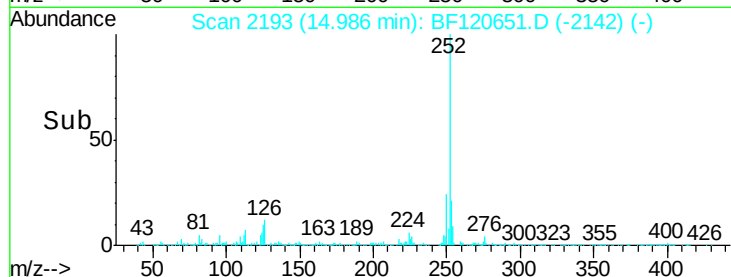
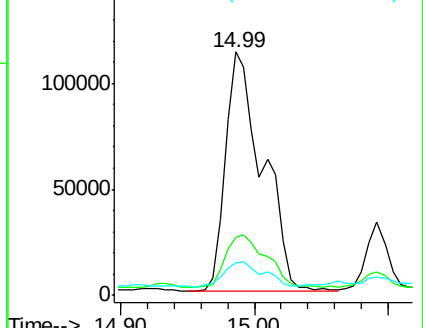
125 13.3 8.3 12.5#



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: 10.773 ng

RT: 14.99 min Scan# 2193

Delta R.T. -0.03 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

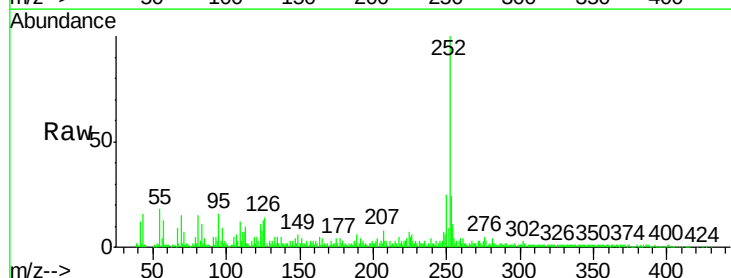
Tgt Ion:252 Resp: 220648

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

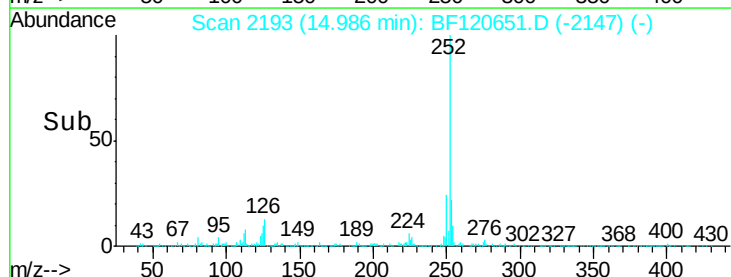
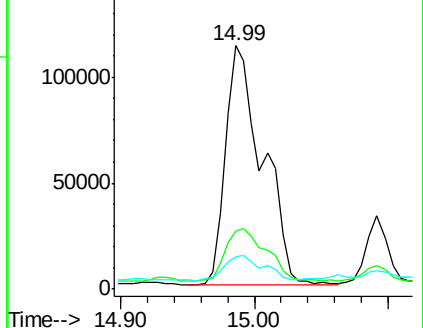
125 13.3 8.3 12.5#

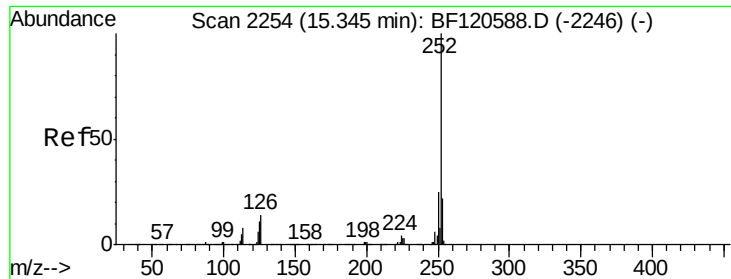


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 6.011 ng

RT: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

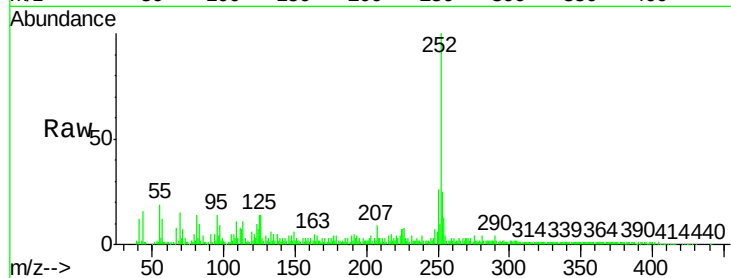
Instrument :

BNA_F

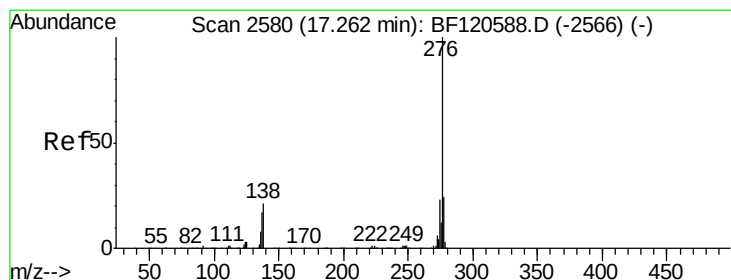
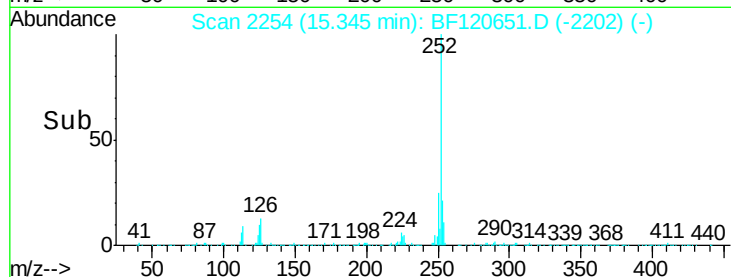
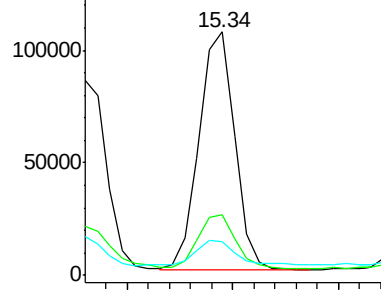
ClientSampleId :

SL-WC-01C

Tot Ion:	252	Resp:	124516
Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	14.0	8.6	12.8#



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(g,h,i)perylene

Concen: 4.057 ng

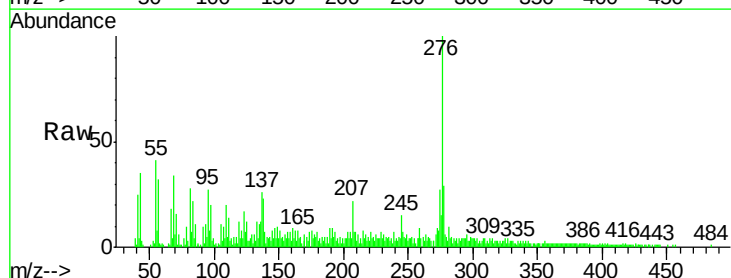
RT: 17.26 min Scan# 2580

Delta R.T. 0.01 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Tgt Ion:	276	Resp:	77505
Ion	Ratio	Lower	Upper
276	100		
277	28.8	19.6	29.4
138	23.0	16.5	24.7



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

