

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092120\
 Data File : BF121638.D
 Acq On : 21 Sep 2020 21:11
 Operator : JU/CG
 Sample : L4048-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Sep 22 01:10:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 21 14:19:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	148135	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	581624	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	302304	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	543424	20.00	ng	0.00
76) Chrysene-d12	13.99	240	386144	20.00	ng	0.00
86) Perylene-d12	15.45	264	382941	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	798447	80.10	ng	0.00
7) Phenol-d6	6.45	99	1020186	78.01	ng	-0.01
23) Nitrobenzene-d5	7.38	82	694679	64.13	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	282971	75.31	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	1206400	60.44	ng	0.00
79) Terphenyl-d14	12.94	244	1112242	58.35	ng	0.00

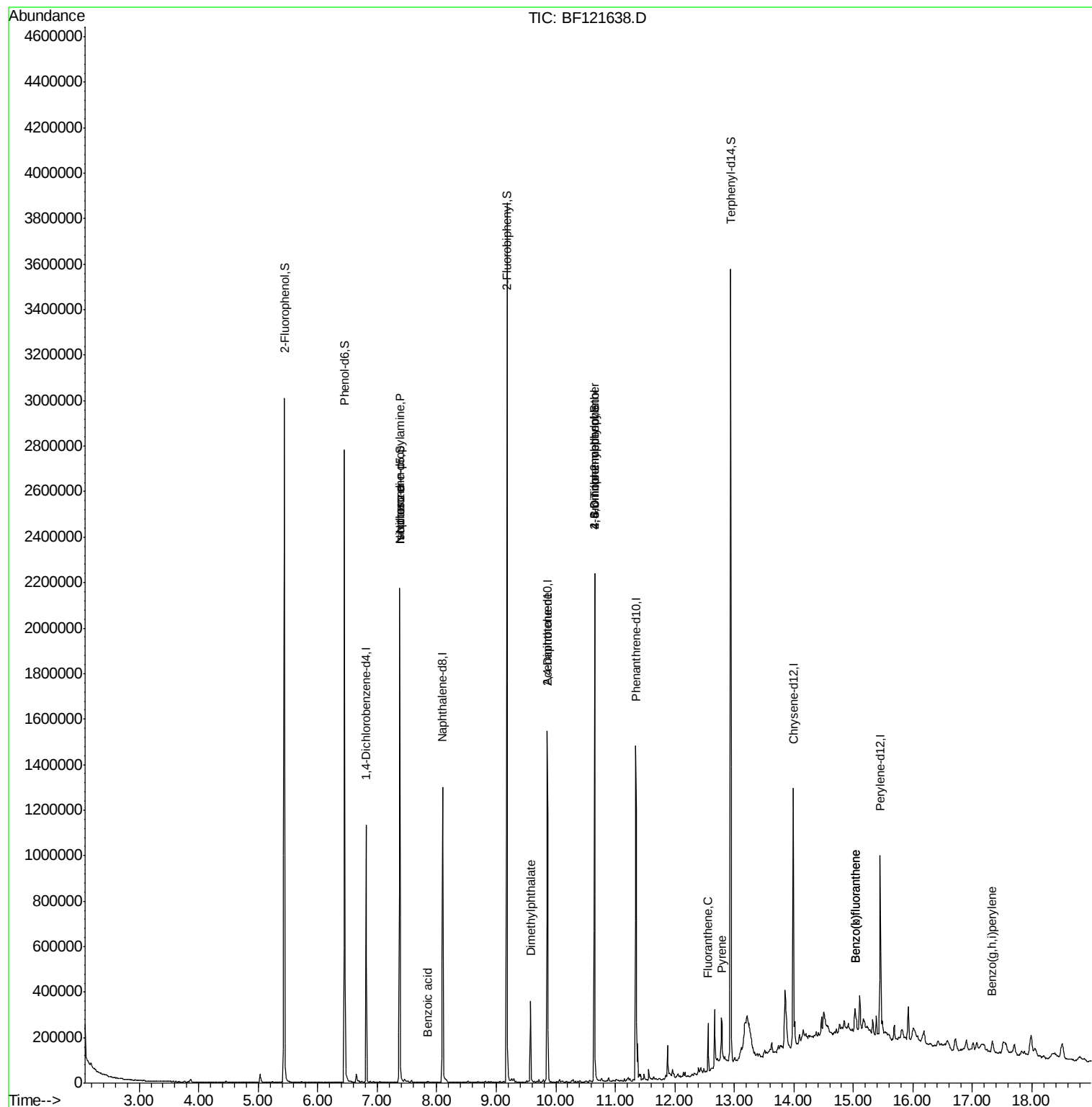
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	91723	12.170	ng	# 79
25) Isophorone	7.38	82	694670	31.856	ng	# 67
32) Benzoic acid	7.84	122	499	6.994	ng	87
50) Dimethylphthalate	9.57	163	140447	6.410	ng	100
57) 2,4-Dinitrotoluene	9.86	165	39223	6.681	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.65	198	536	6.990	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	16487	2.665	ng	# 1
75) Fluoranthene	12.56	202	85632	2.709	ng	99
78) Pyrene	12.79	202	78790	2.793	ng	98
88) Benzo(b)fluoranthene	15.03	252	72559	2.834	ng	# 95
89) Benzo(k)fluoranthene	15.03	252	72549	3.095	ng	# 94
92) Benzo(a,h,i)perylene	17.33	276	41381	2.028	ng	# 93

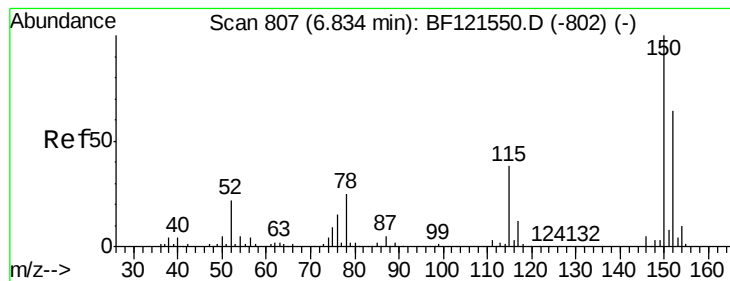
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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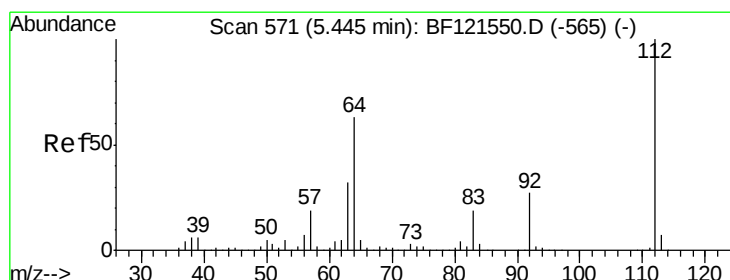
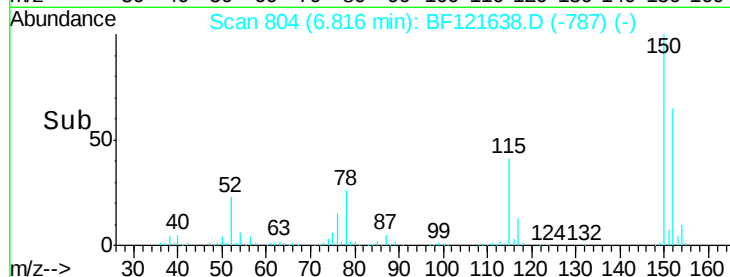
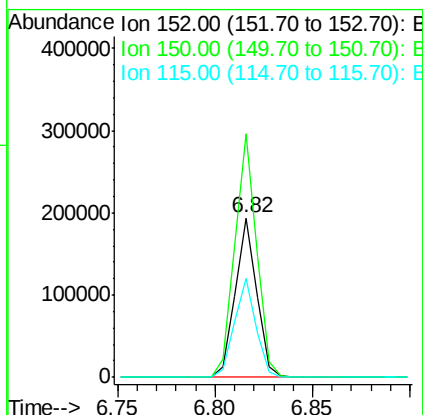
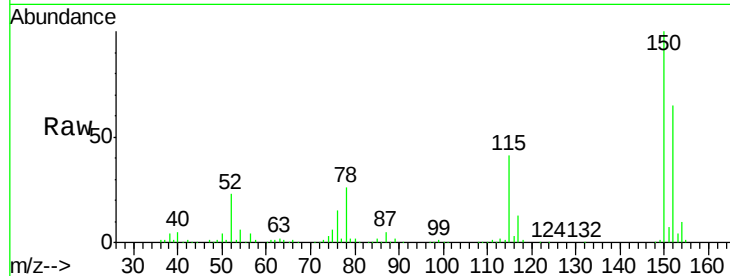


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121638.D
Acq: 21 Sep 2020 21:11

Instrument :
BNA_F
ClientSampleId :
WC-2

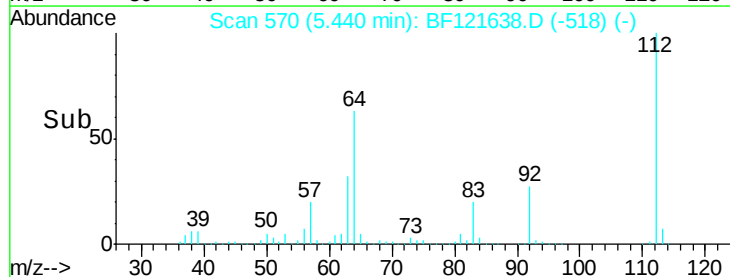
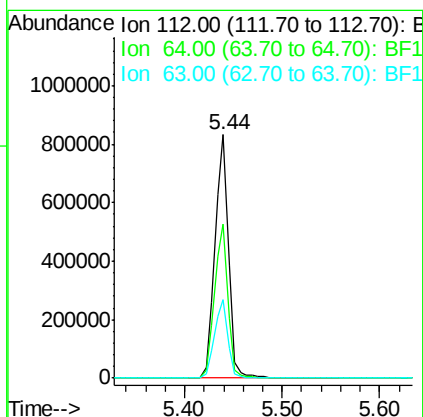
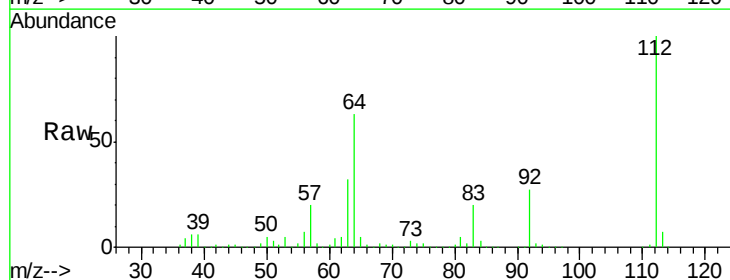
Tot Ion:152 Resp: 148135
Ion Ratio Lower Upper
152 100
150 152.8 128.1 192.1
115 62.4 52.6 79.0

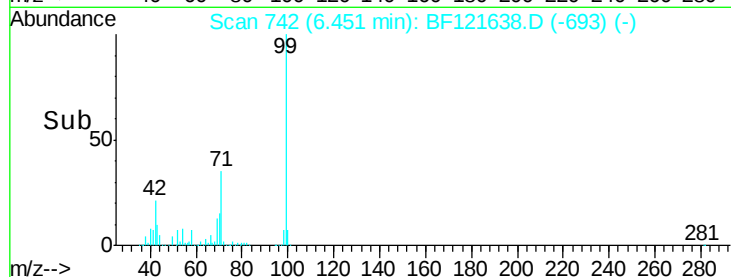
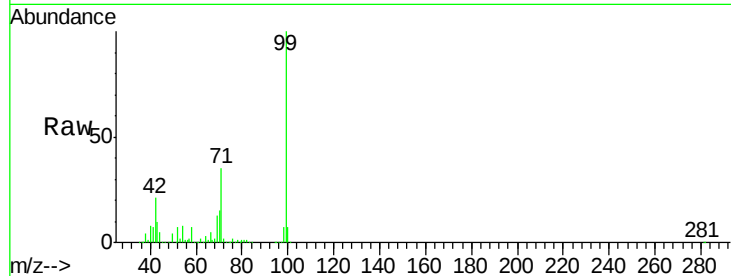
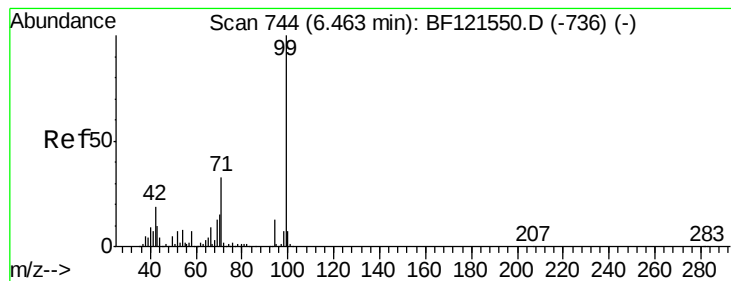


#5

2-Fluorophenol
Concen: 80.102 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF121638.D
Acq: 21 Sep 2020 21:11

Tgt Ion:112 Resp: 798447
Ion Ratio Lower Upper
112 100
64 63.4 52.2 78.2
63 32.2 26.6 39.8





#7

Phenol-d6

Concen: 78.012 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF121638.D

Acq: 21 Sep 2020 21:11

Instrument :

BNA_F

ClientSampleId :

WC-2

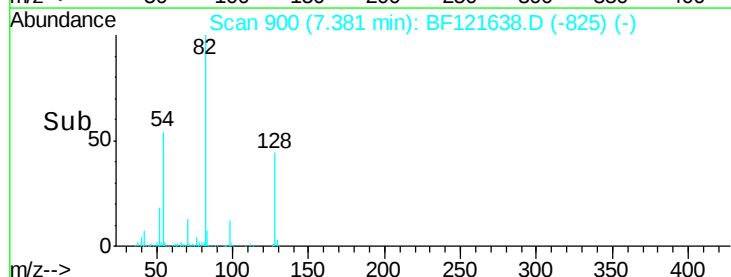
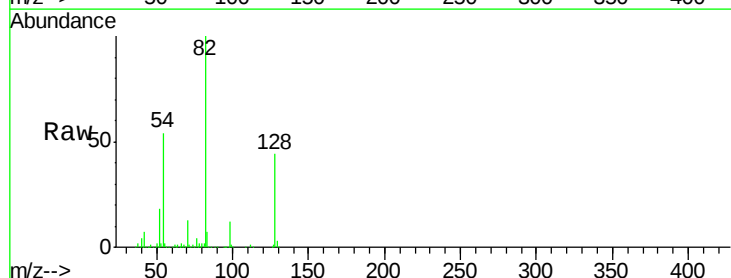
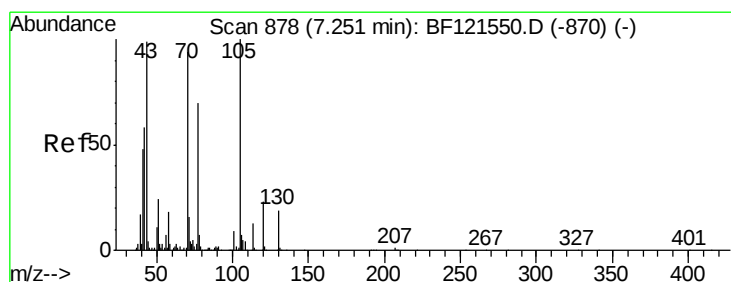
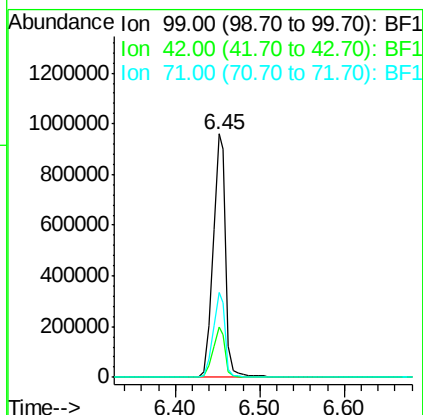
Tot Ion: 99 Resp: 1020186

Ion Ratio Lower Upper

99 100

42 20.7 15.5 23.3

71 34.9 27.4 41.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.170 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF121638.D

Acq: 21 Sep 2020 21:11

Tgt Ion: 70 Resp: 91723

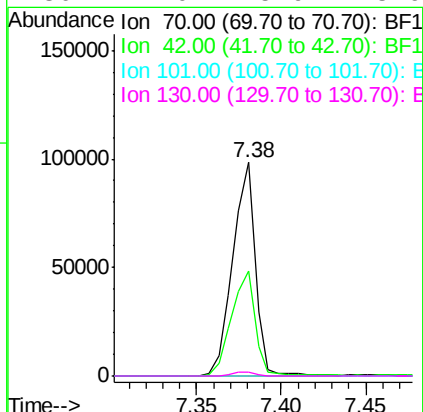
Ion Ratio Lower Upper

70 100

42 49.3 48.3 72.5

101 0.0 7.6 11.4#

130 2.0 15.9 23.9#

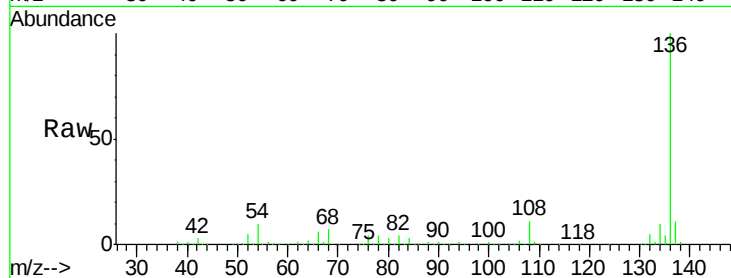




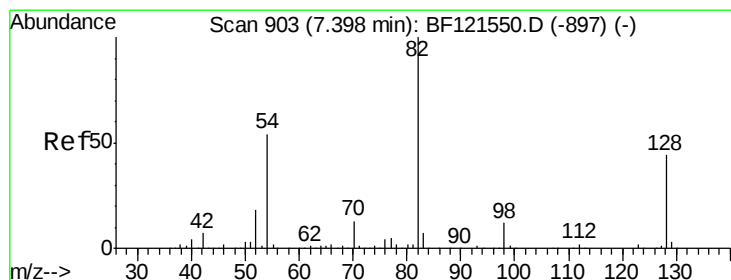
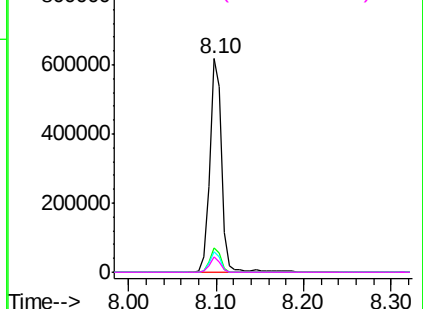
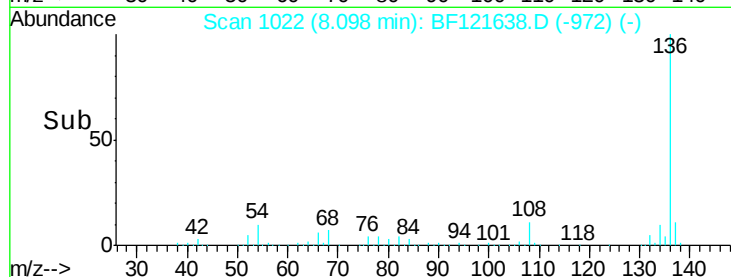
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF121638.D
Acq: 21 Sep 2020 21:11

Instrument :
BNA_F
ClientSampleId :
WC-2

Tot Ion:136	Resp:	581624
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.9 13.3
54	9.9	7.4 11.0
68	7.0	5.3 7.9

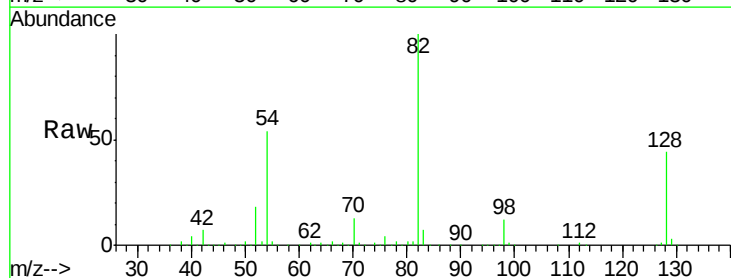


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

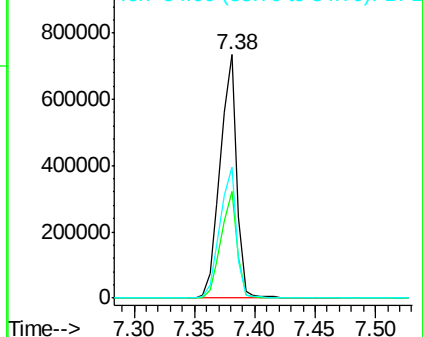
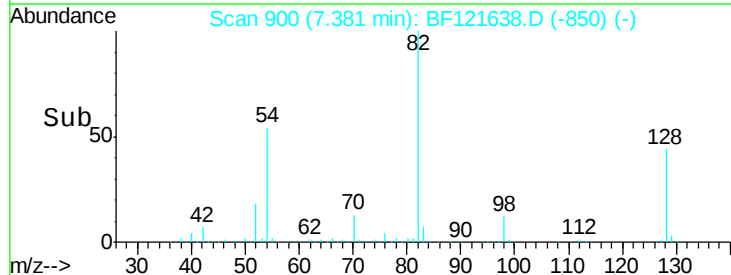


#23
Nitrobenzene-d5
Concen: 64.128 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF121638.D
Acq: 21 Sep 2020 21:11

Tgt Ion: 82	Resp:	694679
Ion	Ratio	Lower Upper
82	100	
128	44.0	33.9 50.9
54	54.0	42.9 64.3



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: 31.856 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF121638.D

Acq: 21 Sep 2020 21:11

Instrument :

BNA_F

ClientSampleId :

WC-2

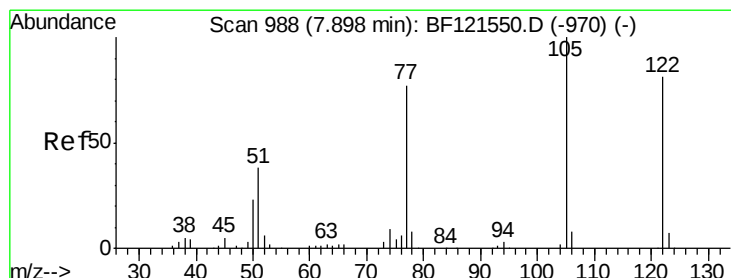
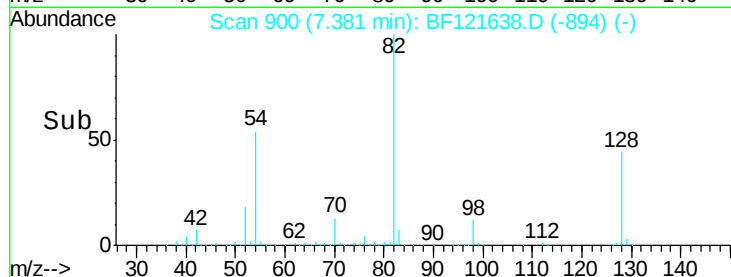
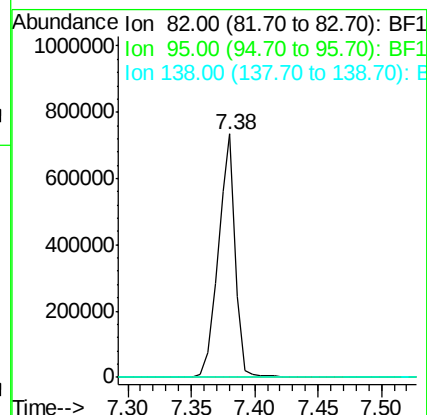
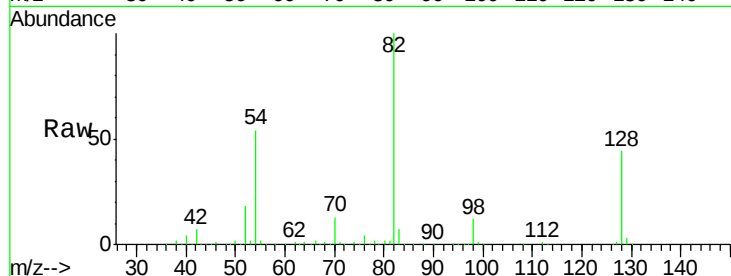
Tot Ion: 82 Resp: 694670

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

138 0.0 13.2 19.8#



#32

Benzoic acid

Concen: 6.994 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.06 min

Lab File: BF121638.D

Acq: 21 Sep 2020 21:11

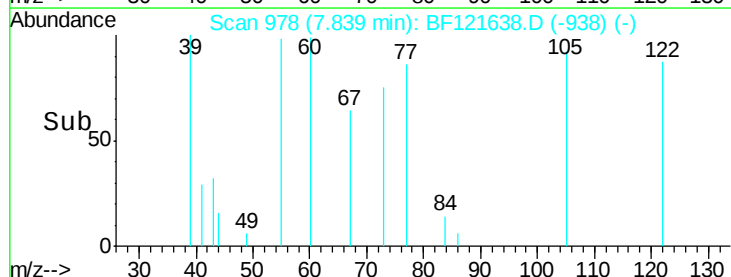
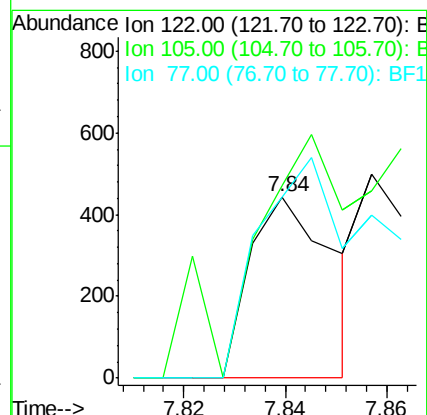
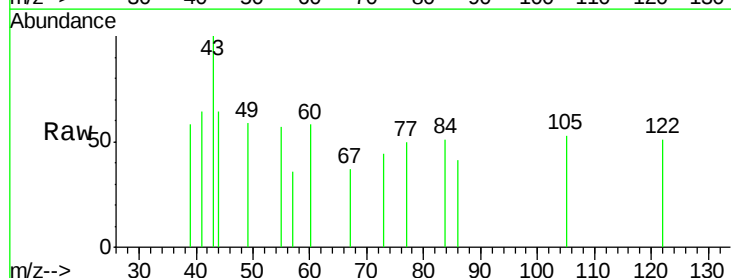
Tgt Ion: 122 Resp: 499

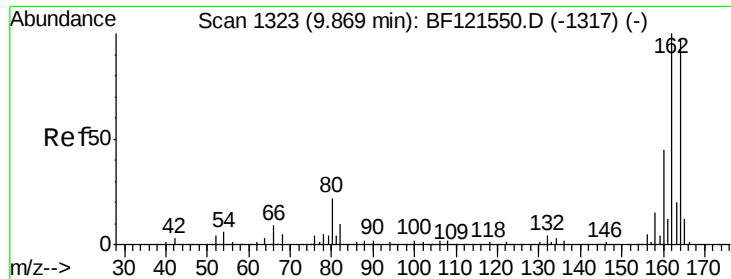
Ion Ratio Lower Upper

122 100

105 105.9 101.9 141.9

77 99.5 69.0 109.0

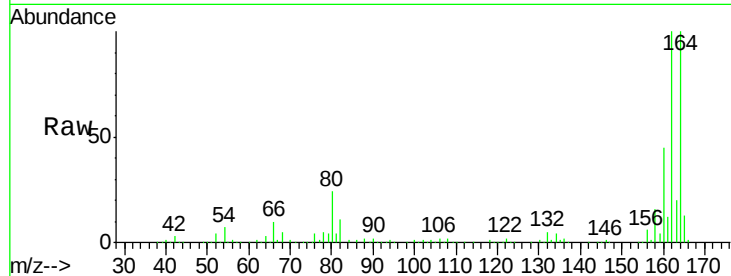




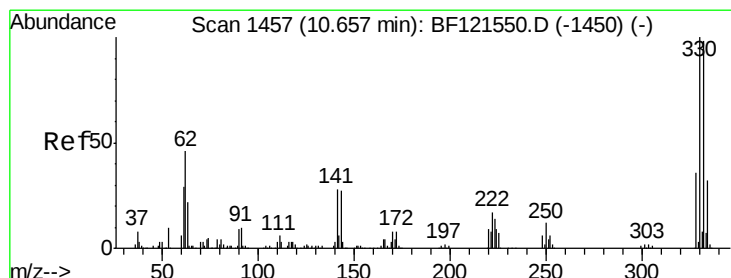
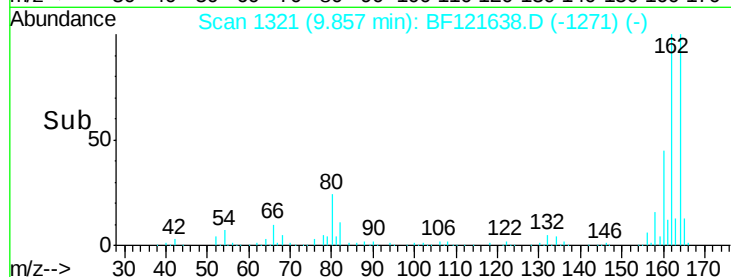
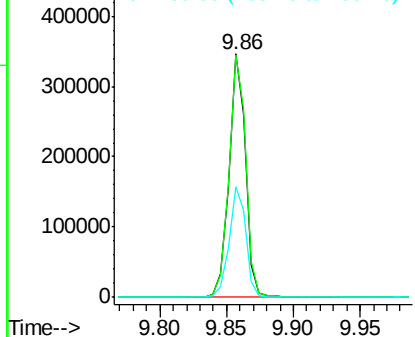
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF121638.D
Acq: 21 Sep 2020 21:11

Instrument :
BNA_F
ClientSampleId :
WC-2

Tot Ion:164 Resp: 302304
Ion Ratio Lower Upper
164 100
162 99.7 81.2 121.8
160 45.3 36.2 54.4

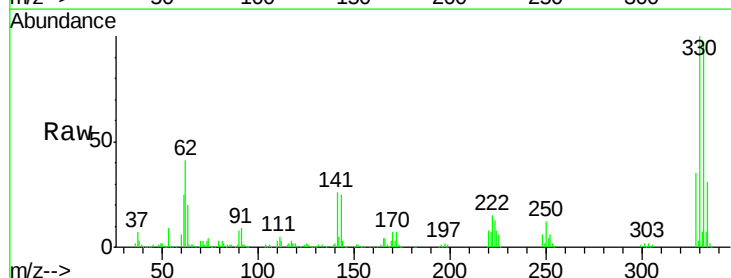


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

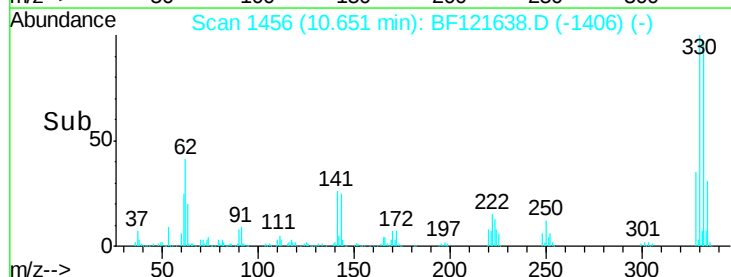
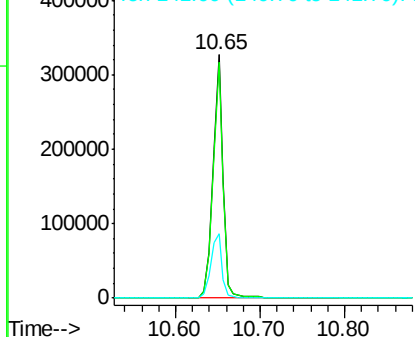


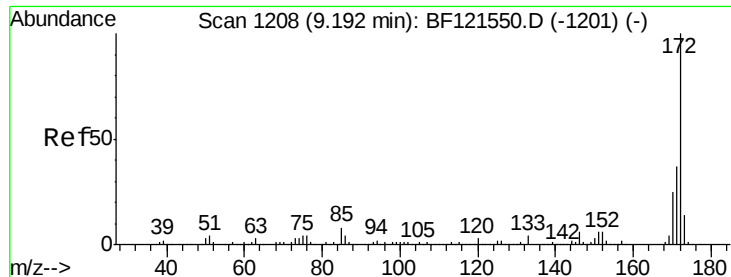
#42
2,4,6-Tribromophenol
Concen: 75.314 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF121638.D
Acq: 21 Sep 2020 21:11

Tgt Ion:330 Resp: 282971
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 28.8 22.4 33.6



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



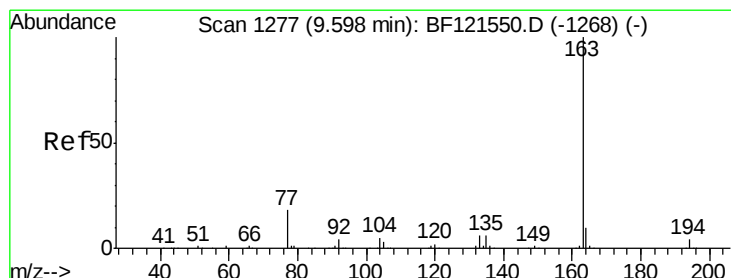
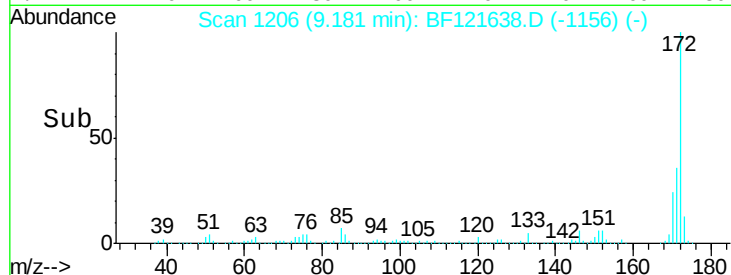
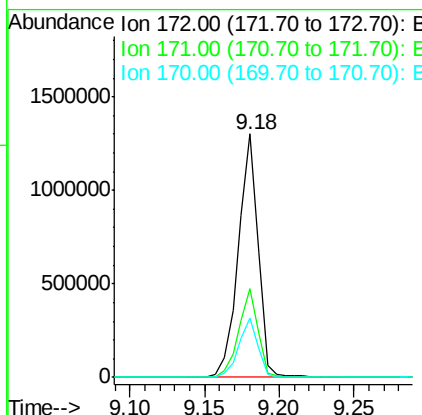
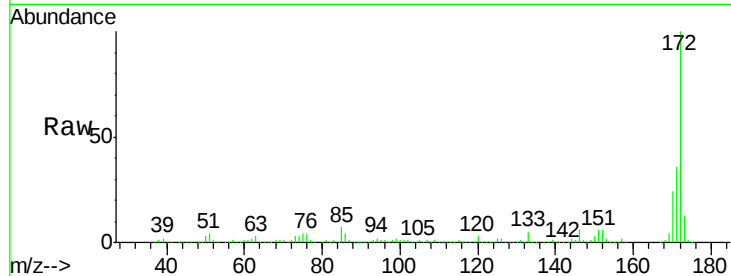


#45
 2-Fluorobiphenyl
 Concen: 60.440 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF121638.D
 Acq: 21 Sep 2020 21:11

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tot Ion:172 Resp: 1206400

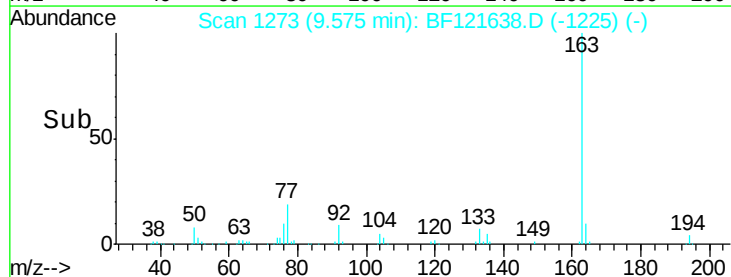
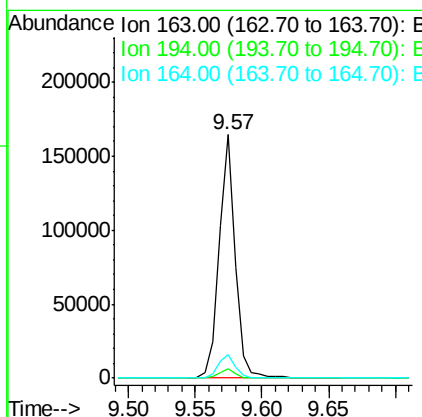
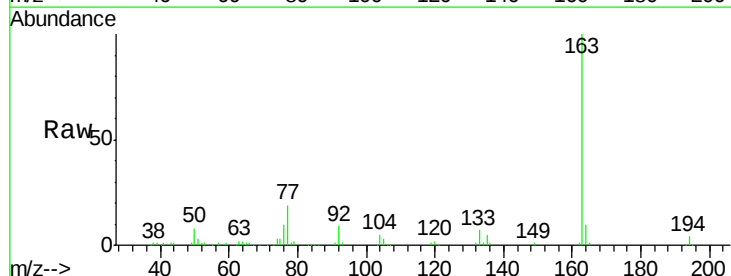
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.3	43.9
170	24.4	19.5	29.3



#50
 Dimethylphthalate
 Concen: 6.410 ng
 RT: 9.57 min Scan# 1273
 Delta R.T. -0.02 min
 Lab File: BF121638.D
 Acq: 21 Sep 2020 21:11

Tgt Ion:163 Resp: 140447

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.8	8.0	12.0

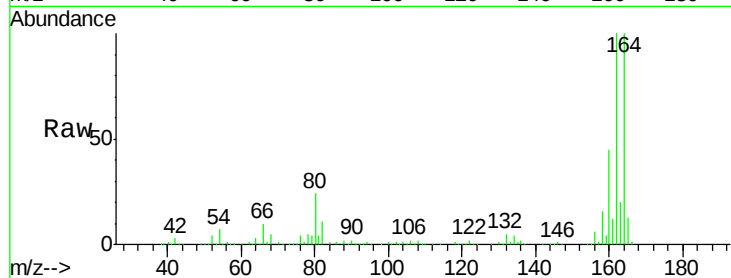




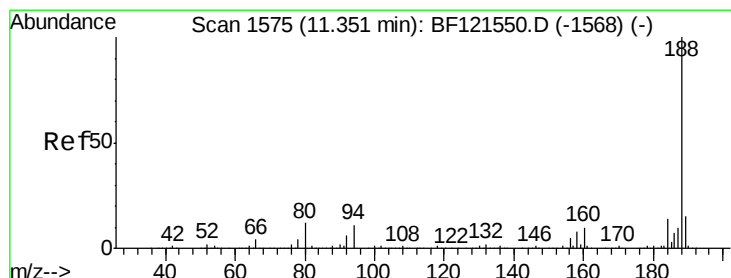
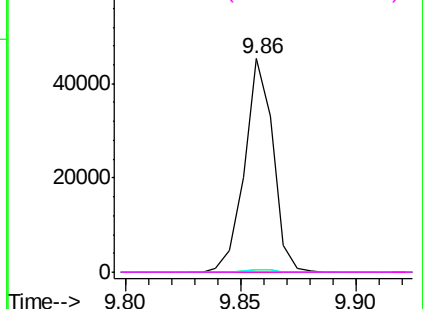
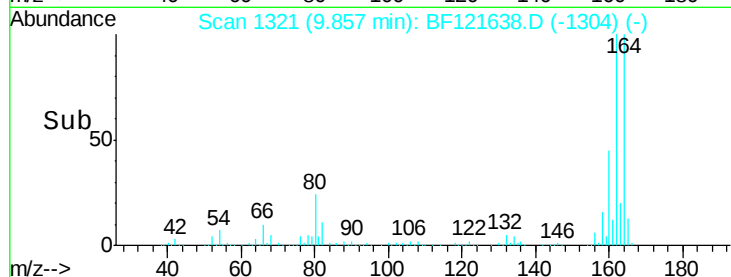
#57
 2,4-Dinitrotoluene
 Concen: 6.681 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.20 min
 Lab File: BF121638.D
 Acq: 21 Sep 2020 21:11

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tot Ion:165 Resp: 39223
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.7 55.1#
 89 1.2 57.7 86.5#
 182 0.0 2.1 3.1#

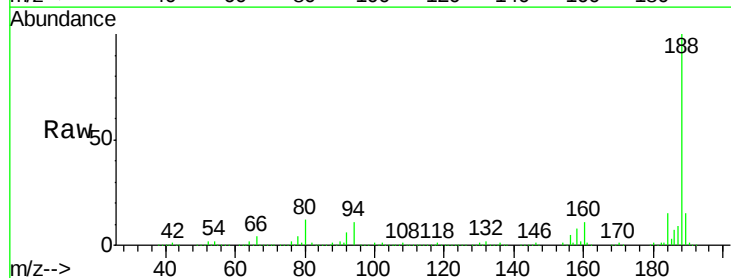


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

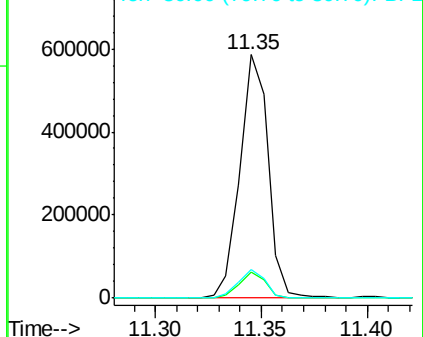
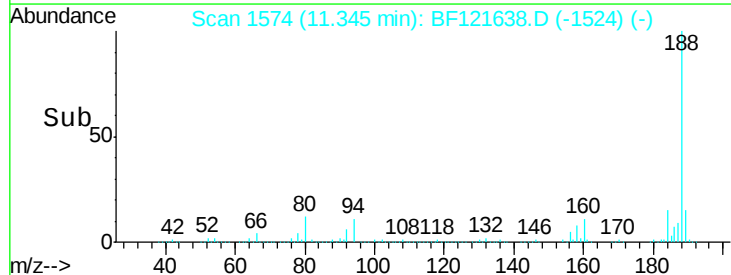


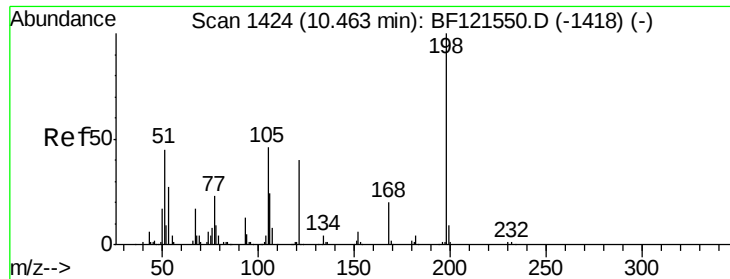
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF121638.D
 Acq: 21 Sep 2020 21:11

Tgt Ion:188 Resp: 543424
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.4 12.6
 80 11.9 9.0 13.4



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

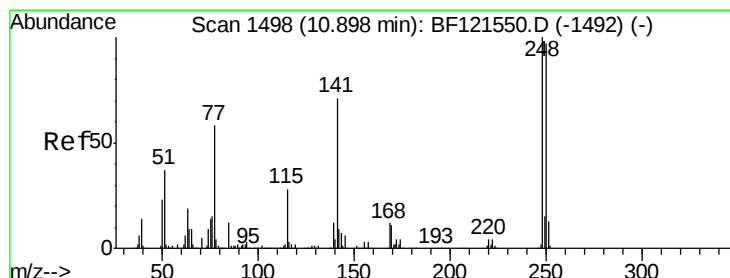
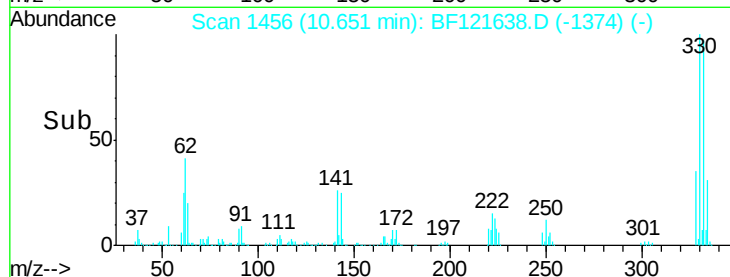
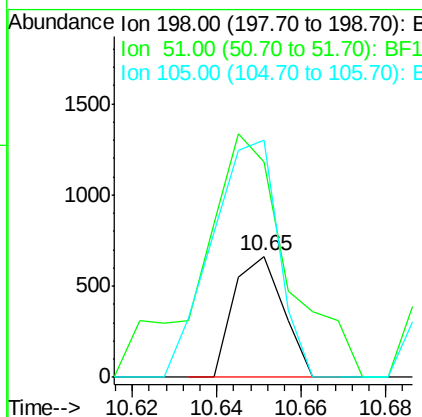
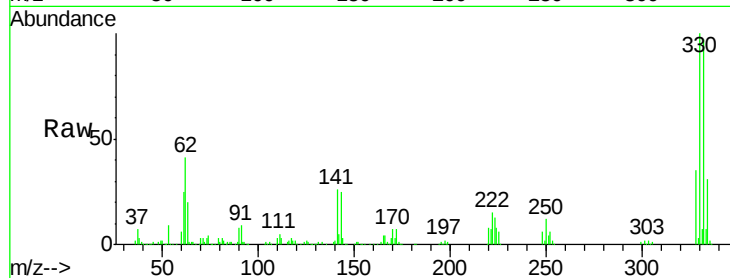




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.990 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.18 min
 Lab File: BF121638.D
 Acq: 21 Sep 2020 21:11

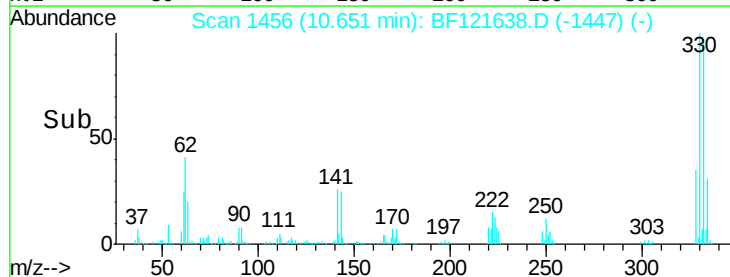
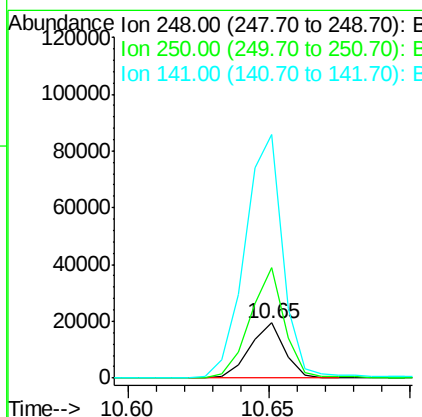
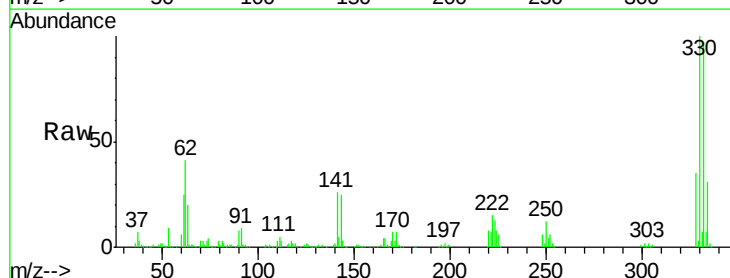
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

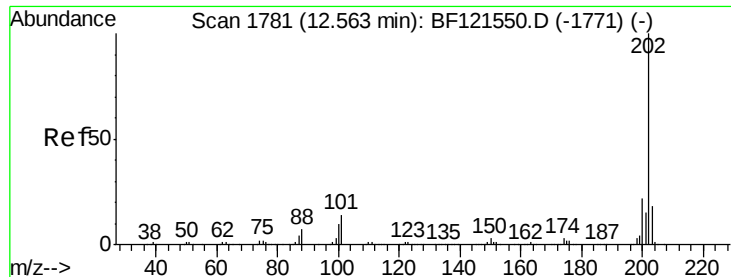
Tot Ion:198 Resp: 536
 Ion Ratio Lower Upper
 198 100
 51 177.8 20.3 60.3#
 105 196.2 20.2 60.2#



#67
 4-Bromophenyl-phenylether
 Concen: 2.665 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.25 min
 Lab File: BF121638.D
 Acq: 21 Sep 2020 21:11

Tgt Ion:248 Resp: 16487
 Ion Ratio Lower Upper
 248 100
 250 201.8 79.4 119.0#
 141 442.9 52.2 78.4#





#75

Fluoranthene

Concen: 2.709 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF121638.D

Acq: 21 Sep 2020 21:11

Instrument :

BNA_F

ClientSampleId :

WC-2

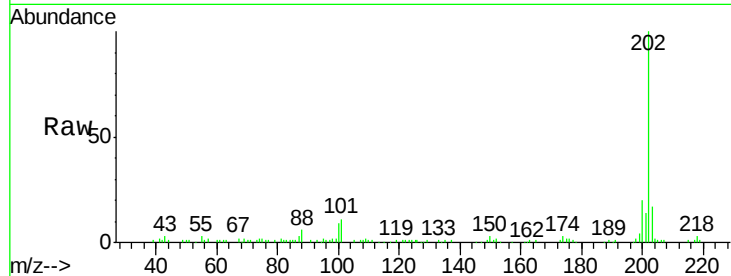
Tot Ion:202 Resp: 85632

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.9

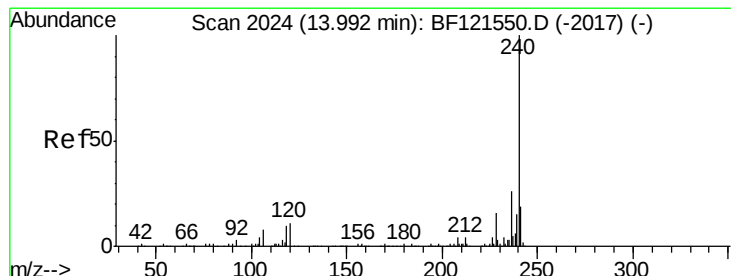
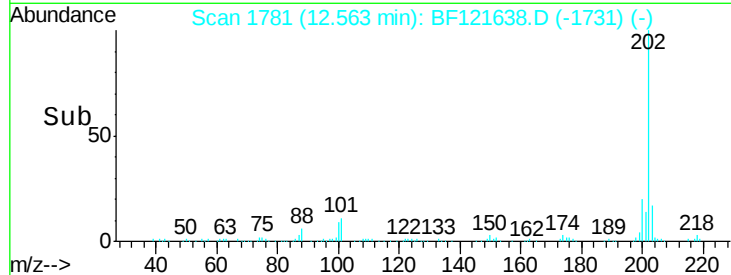
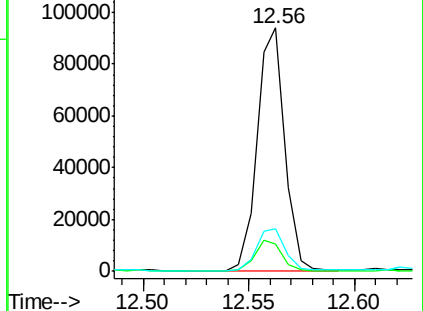
203 17.5 0.0 37.8



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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF121638.D

Acq: 21 Sep 2020 21:11

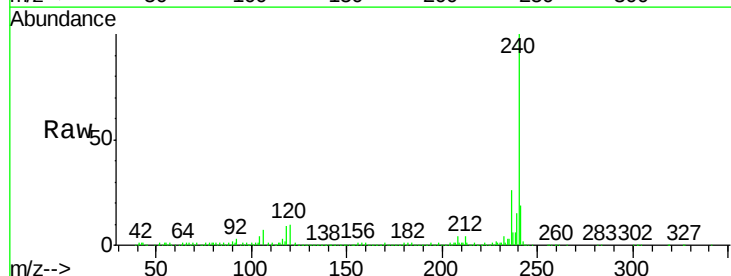
Tgt Ion:240 Resp: 386144

Ion Ratio Lower Upper

240 100

120 10.3 9.2 13.8

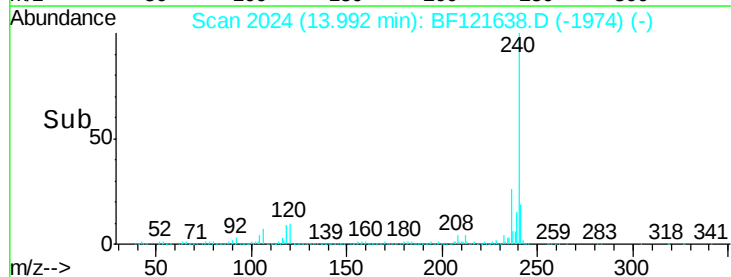
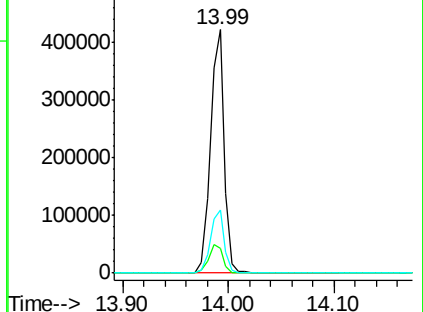
236 25.8 20.4 30.6

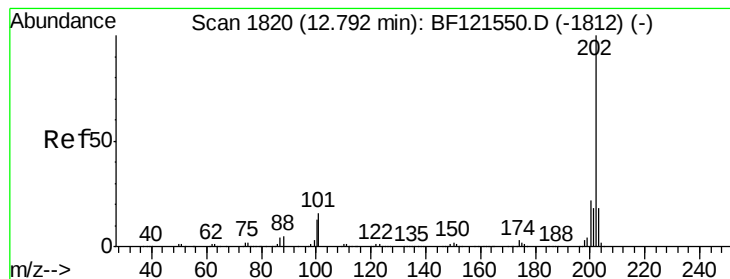


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.793 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF121638.D

Acq: 21 Sep 2020 21:11

Instrument :

BNA_F

ClientSampled :

WC-2

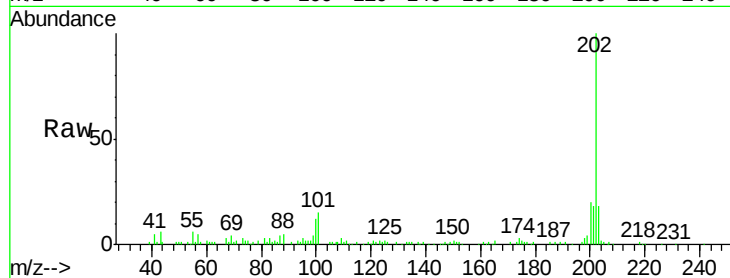
Tot Ion:202 Resp: 78790

Ion Ratio Lower Upper

202 100

200 20.4 17.8 26.6

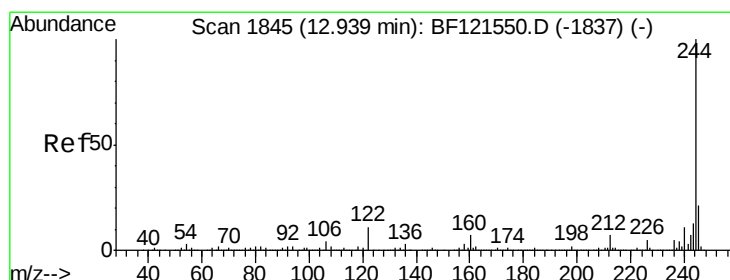
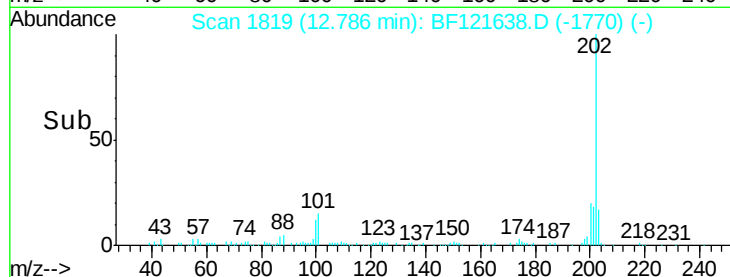
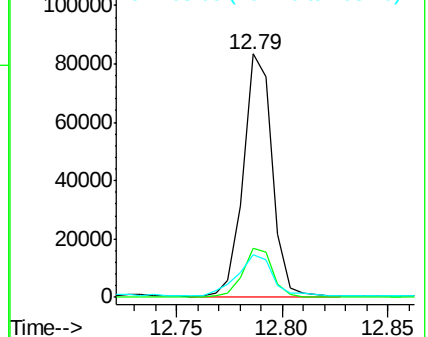
203 17.8 14.4 21.6



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: 58.354 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF121638.D

Acq: 21 Sep 2020 21:11

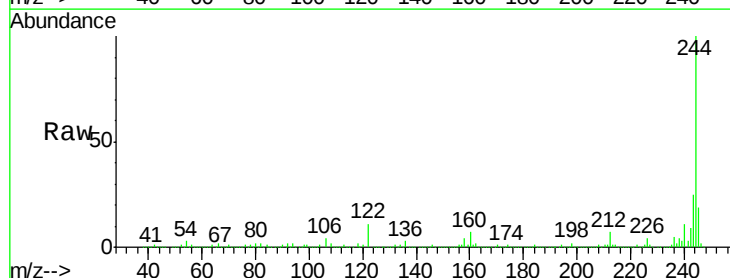
Tgt Ion:244 Resp: 1112242

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

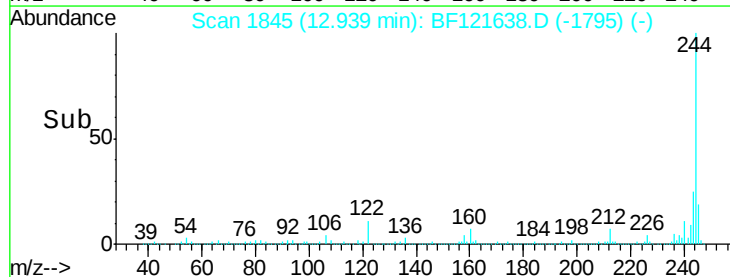
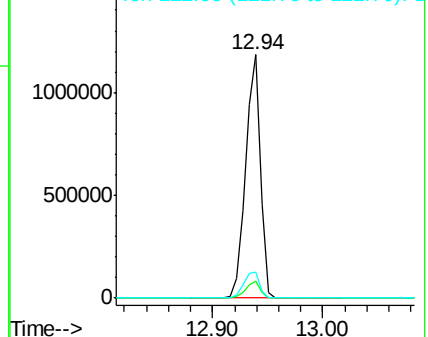
122 10.7 7.4 11.0

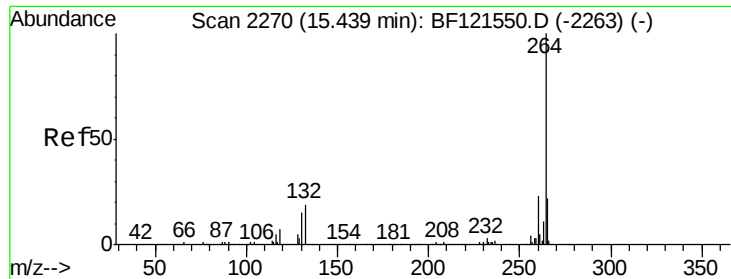


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

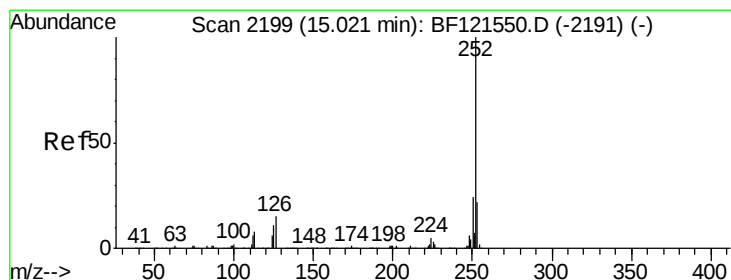
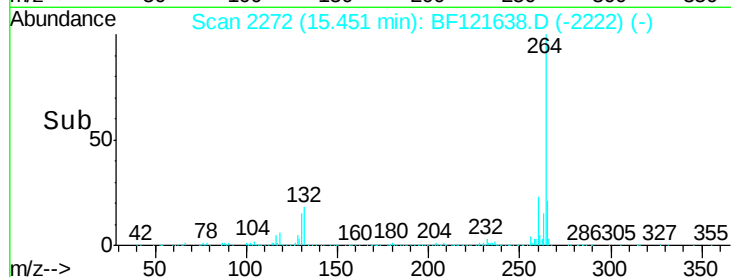
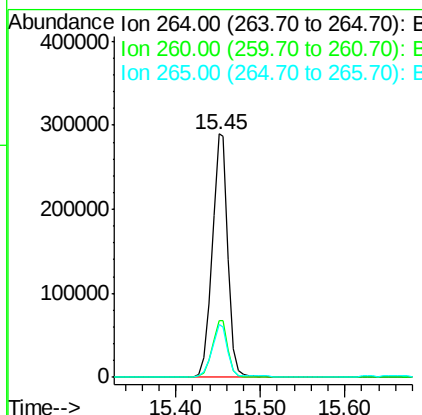
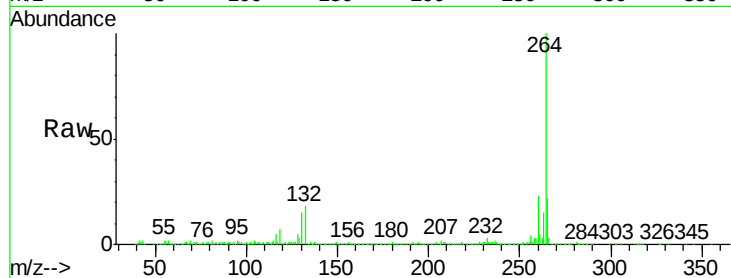




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF121638.D
Acq: 21 Sep 2020 21:11

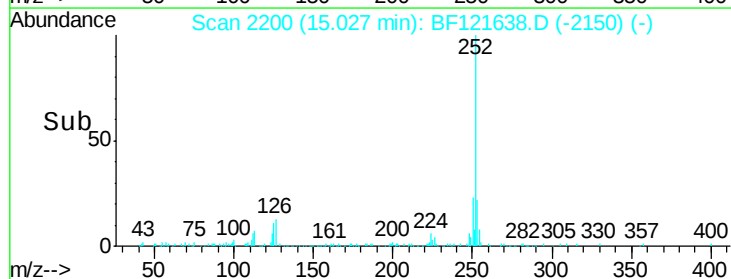
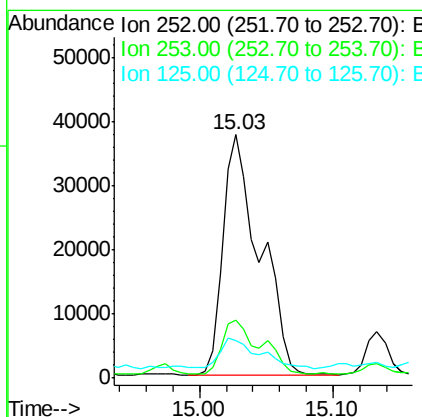
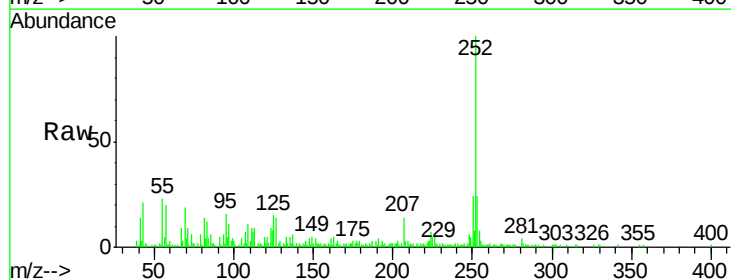
Instrument :
BNA_F
ClientSampleId :
WC-2

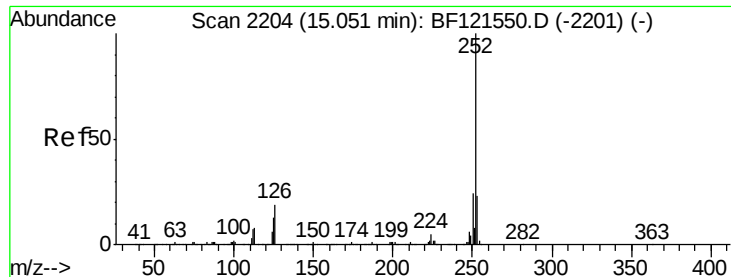
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.5	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 2.834 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF121638.D
Acq: 21 Sep 2020 21:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	15.2	8.5	12.7

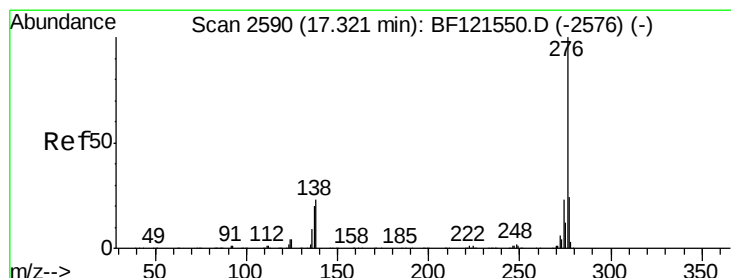
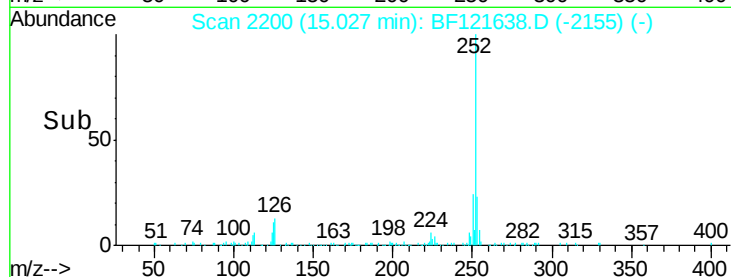
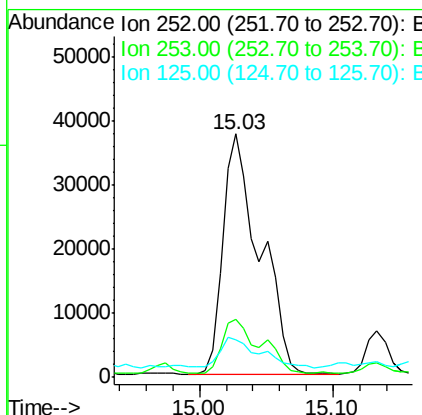
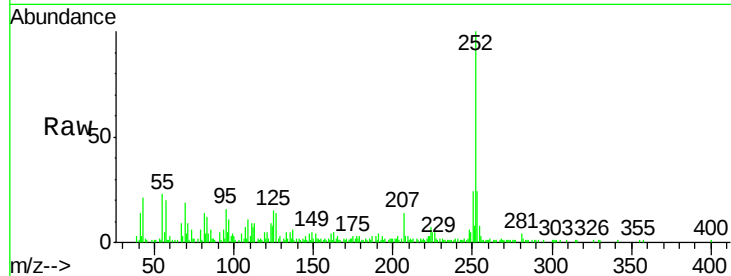




#89
Benzo(k)fluoranthene
Concen: 3.095 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF121638.D
Acq: 21 Sep 2020 21:11

Instrument :
BNA_F
ClientSampleId :
WC-2

Tot Ion:252 Resp: 72549
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 15.2 8.4 12.6#



#92
Benzo(g,h,i)perylene
Concen: 2.028 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.02 min
Lab File: BF121638.D
Acq: 21 Sep 2020 21:11

Tgt Ion:276 Resp: 41381
Ion Ratio Lower Upper
276 100
277 25.9 19.3 28.9
138 25.9 16.9 25.3#

