

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051520\
 Data File : BF120327.D
 Acq On : 15 May 2020 17:51
 Operator : MA/SJ
 Sample : L2604-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 00:13:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 12:31:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	316917	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1283038	20.00	ng	0.00
39) Acenaphthene-d10	9.65	164	732792	20.00	ng	0.00
64) Phenanthrene-d10	11.13	188	1258101	20.00	ng	0.00
76) Chrysene-d12	13.77	240	867297	20.00	ng	0.00
87) Perylene-d12	15.16	264	622602	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	1388913	85.27	ng	0.00
7) Phenol-d6	6.27	99	1848121	89.72	ng	0.00
23) Nitrobenzene-d5	7.18	82	1103448	58.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.44	330	515524	86.28	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2329617	65.31	ng	0.00
79) Terphenyl-d14	12.72	244	2271878	57.87	ng	0.00

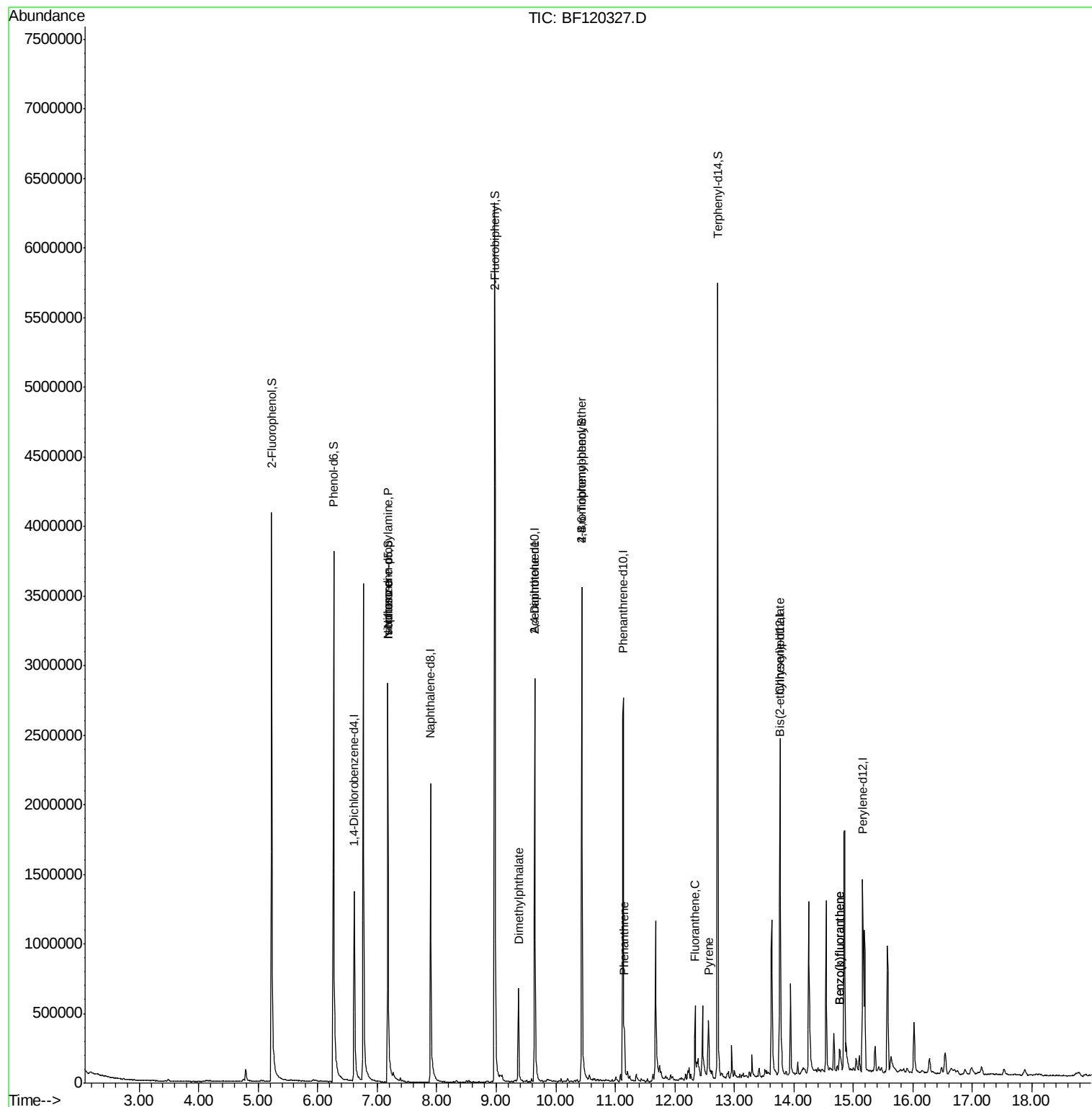
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.18	70	134968	10.002	ng	# 80
25) Isophorone	7.18	82	1098600	28.175	ng	# 65
50) Dimethylphthalate	9.37	163	322870	6.970	ng	98
57) 2,4-Dinitrotoluene	9.65	165	93912	7.743	ng	# 16
67) 4-Bromophenyl-phenylether	10.44	248	31289	2.563	ng	# 1
71) Phenanthrene	11.15	178	134840	2.551	ng	99
75) Fluoranthene	12.34	202	246533	4.351	ng	97
78) Pyrene	12.57	202	197247	3.190	ng	97
84) Bis(2-ethylhexyl)phthalate	13.76	149	95498	2.636	ng	99
88) Benzo(b)fluoranthene	14.77	252	110152	3.240	ng	99
89) Benzo(k)fluoranthene	14.77	252	110152	3.739	ng	99

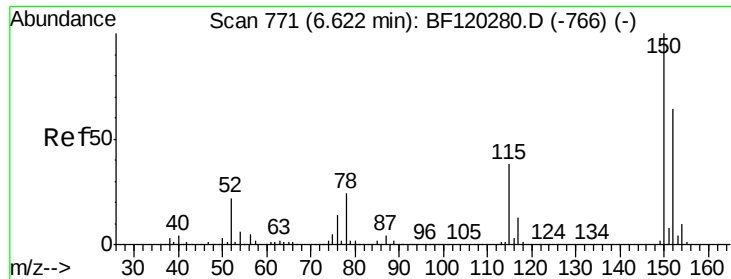
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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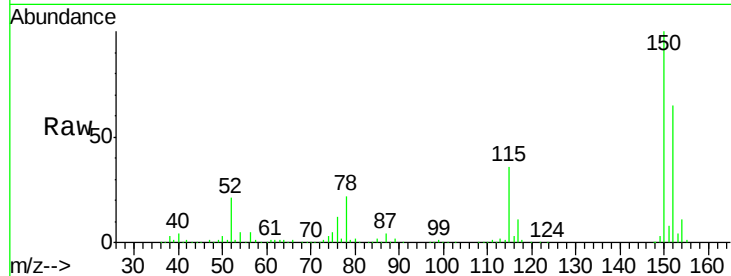


#1

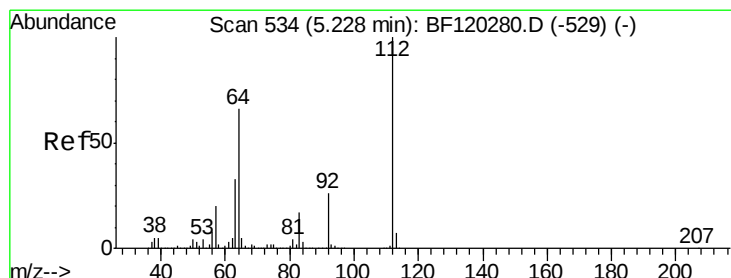
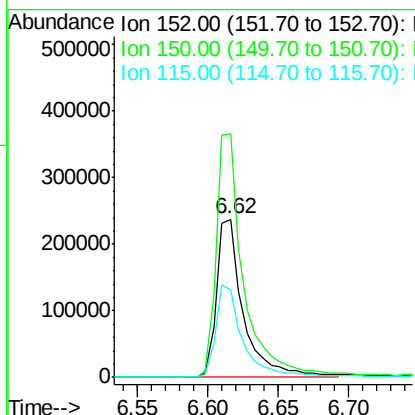
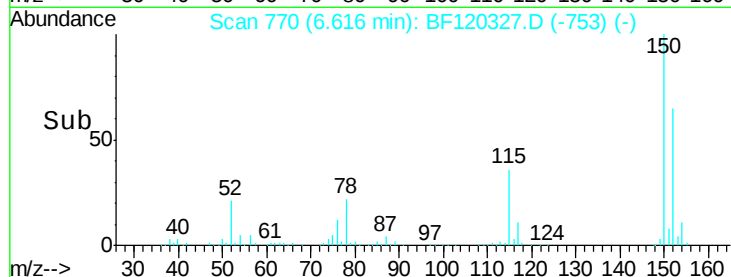
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	55.3	47.9	71.9



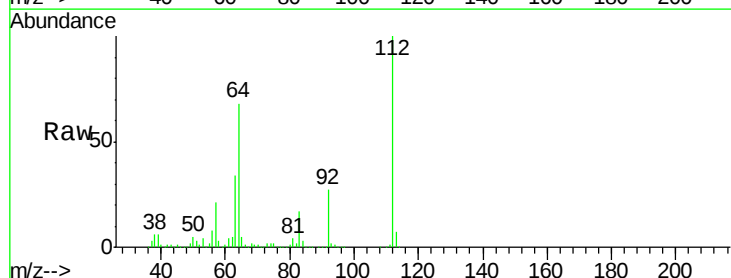
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



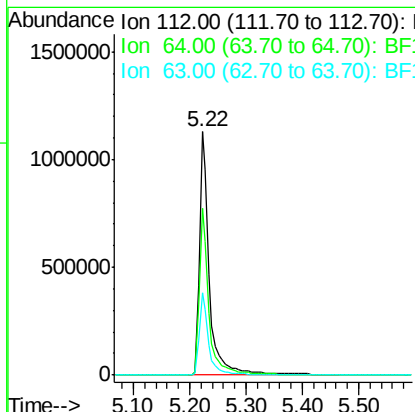
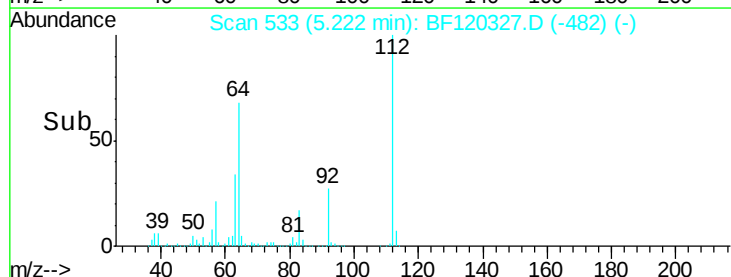
#5

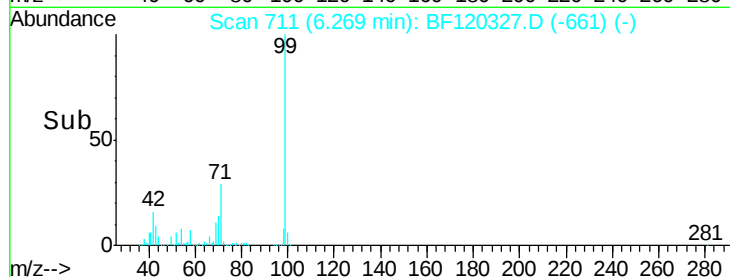
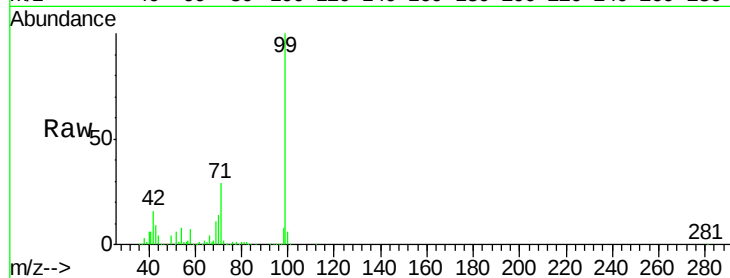
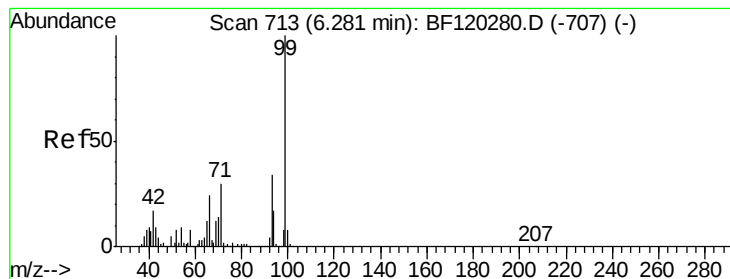
2-Fluorophenol
Concen: 85.272 ng
RT: 5.22 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	52.7	79.1
63	33.9	26.2	39.4



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: 89.725 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF120327.D

Acq: 15 May 2020 17:51

Instrument :

BNA_F

ClientSampleId :

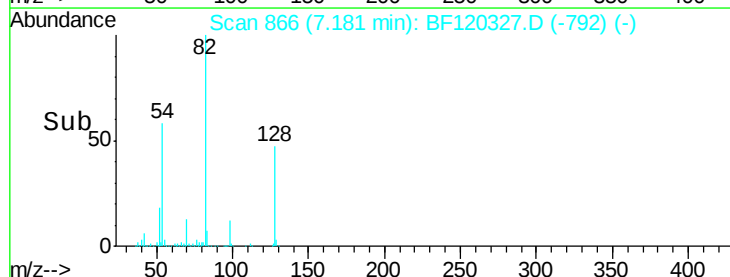
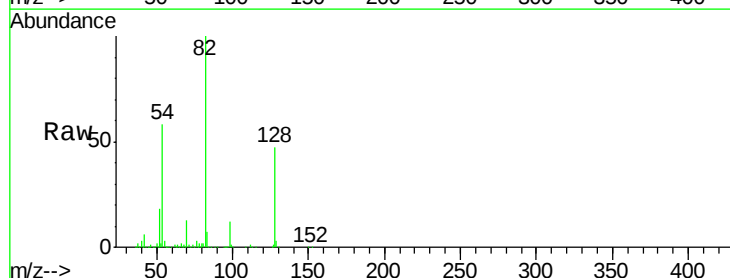
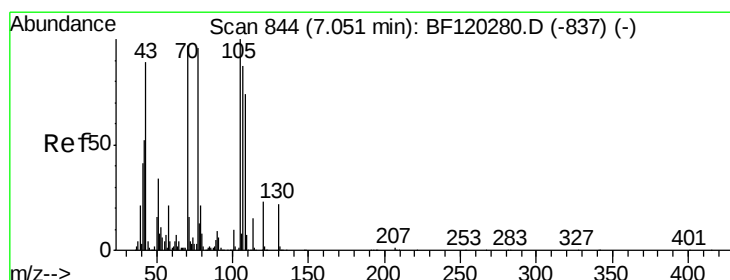
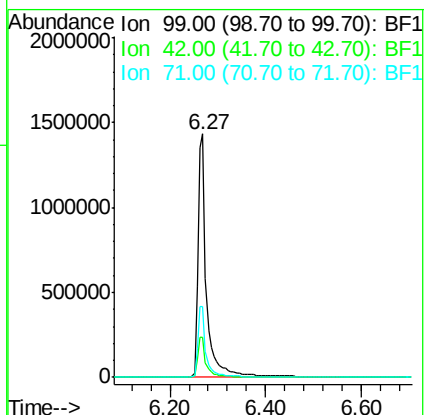
Tot Ion: 99 Resp: 1848121

Ion Ratio Lower Upper

99 100

42 16.2 13.6 20.4

71 28.9 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.002 ng

RT: 7.18 min Scan# 866

Delta R.T. 0.14 min

Lab File: BF120327.D

Acq: 15 May 2020 17:51

Tgt Ion: 70 Resp: 134968

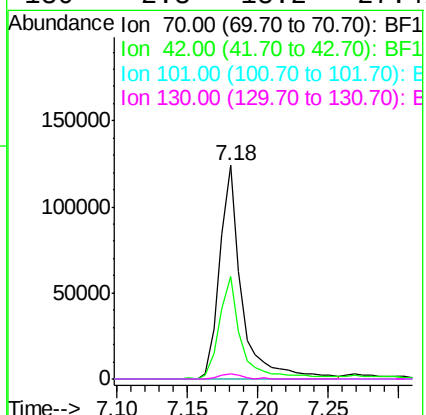
Ion Ratio Lower Upper

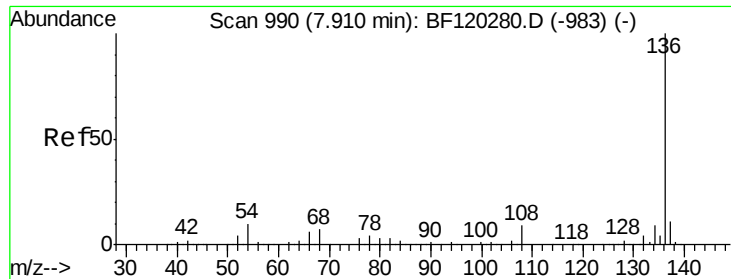
70 100

42 47.7 43.4 65.0

101 0.0 7.8 11.8#

130 2.3 18.2 27.4#

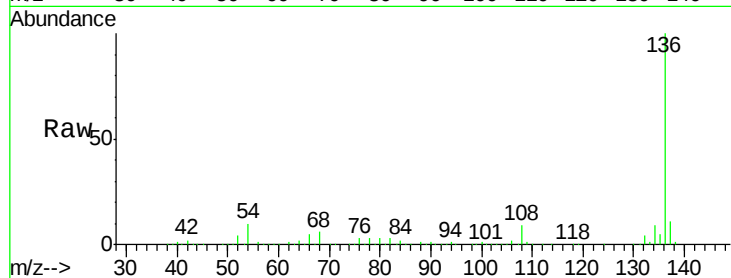




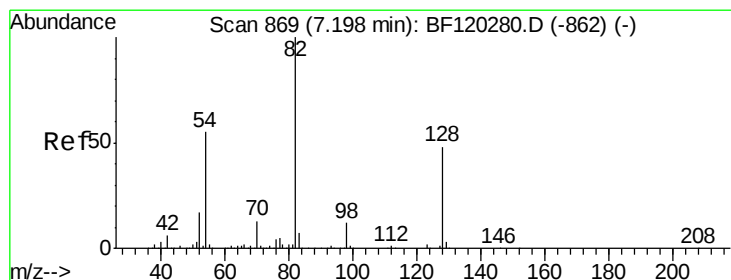
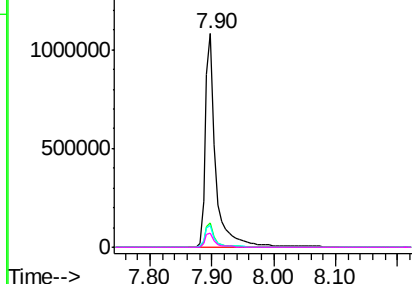
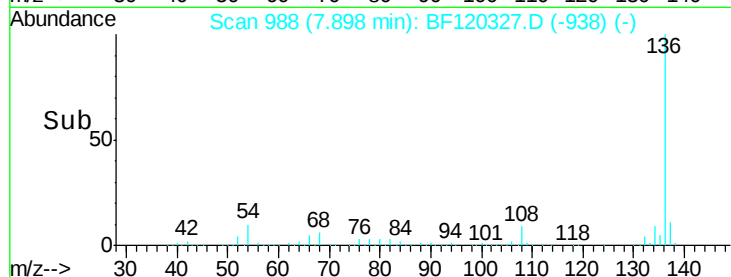
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 1283038
Ion Ratio	Lower Upper
136 100	
137 11.1	9.1 13.7
54 9.9	7.9 11.9
68 6.3	5.4 8.2

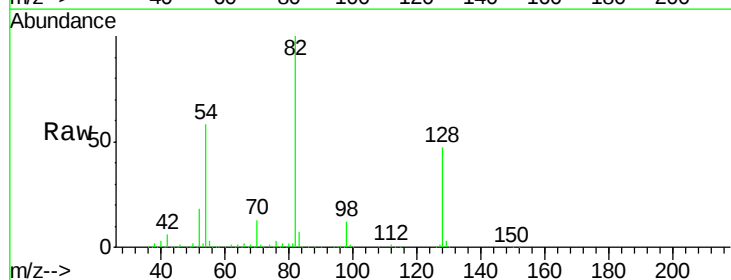


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

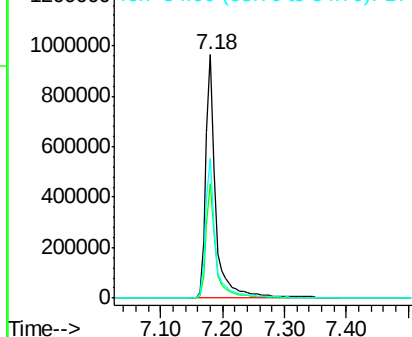
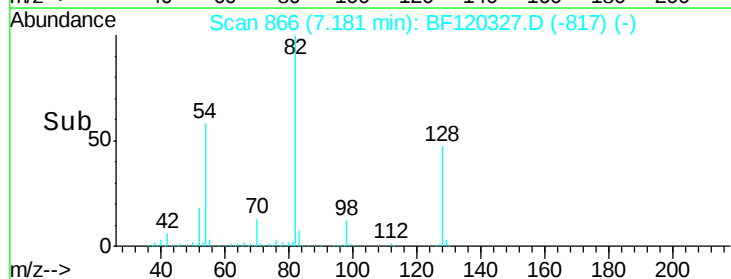


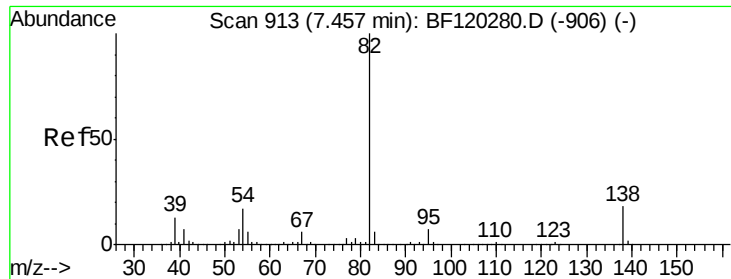
#23
Nitrobenzene-d5
Concen: 58.883 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

Tgt Ion: 82	Resp: 1103448
Ion Ratio	Lower Upper
82 100	
128 46.7	38.3 57.5
54 57.6	43.9 65.9



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: 28.175 ng

RT: 7.18 min Scan# 866

Delta R.T. -0.27 min

Lab File: BF120327.D

Acq: 15 May 2020 17:51

Instrument :

BNA_F

ClientSampleId :

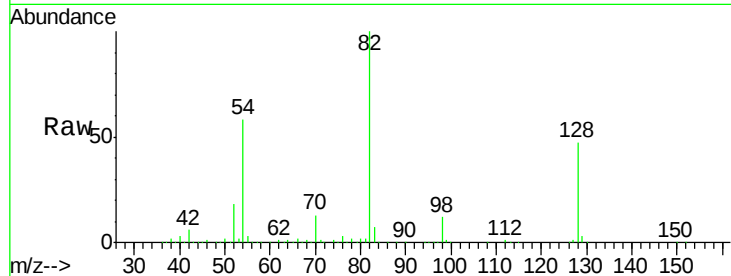
Tot Ion: 82 Resp: 1098600

Ion Ratio Lower Upper

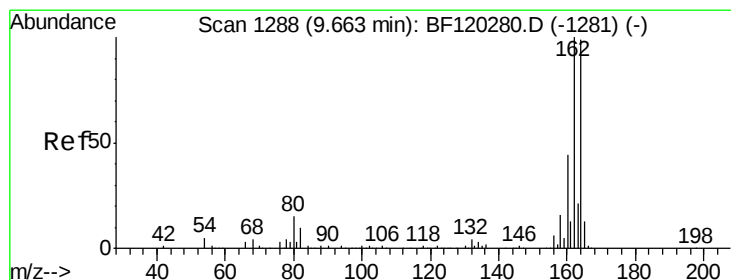
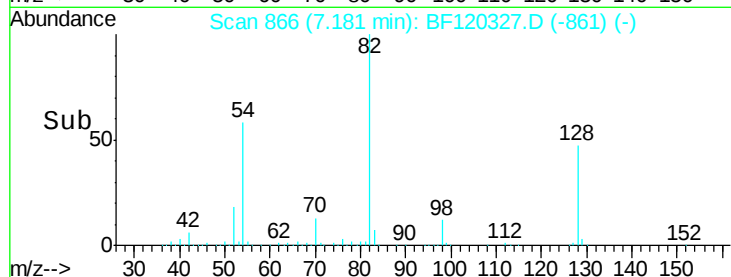
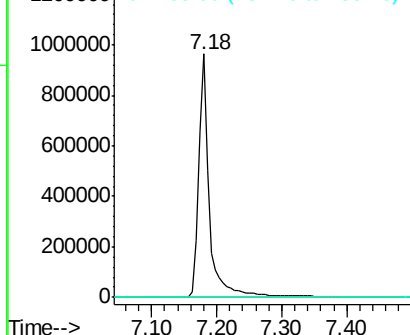
82 100

95 0.0 5.4 8.0#

138 0.0 14.7 22.1#



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: 9.65 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BF120327.D

Acq: 15 May 2020 17:51

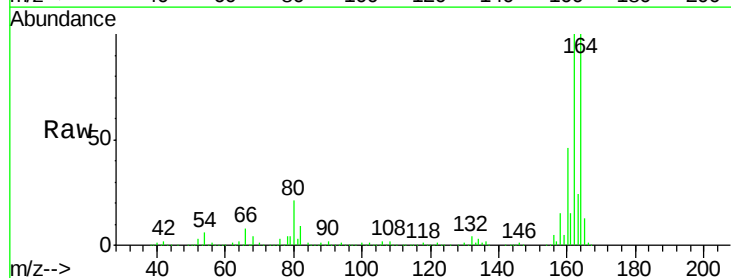
Tgt Ion:164 Resp: 732792

Ion Ratio Lower Upper

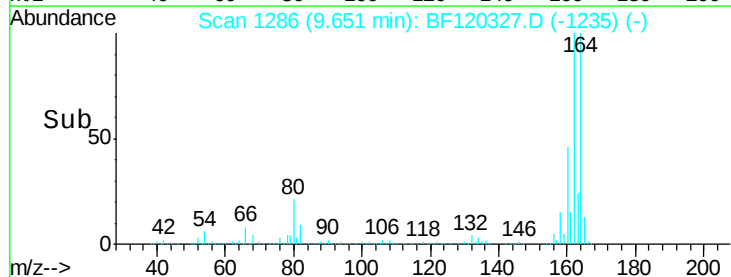
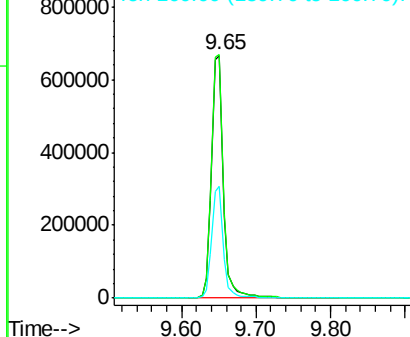
164 100

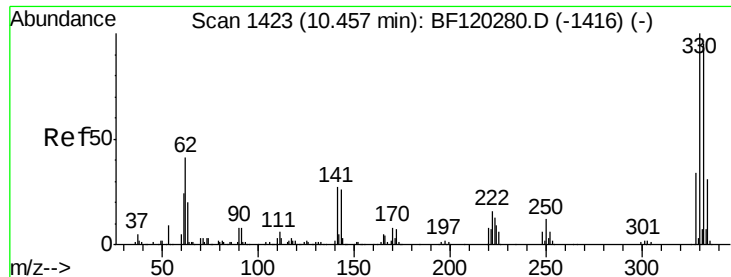
162 100.3 81.2 121.8

160 45.8 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 86.283 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF120327.D

Acq: 15 May 2020 17:51

Instrument :

BNA_F

ClientSampleId :

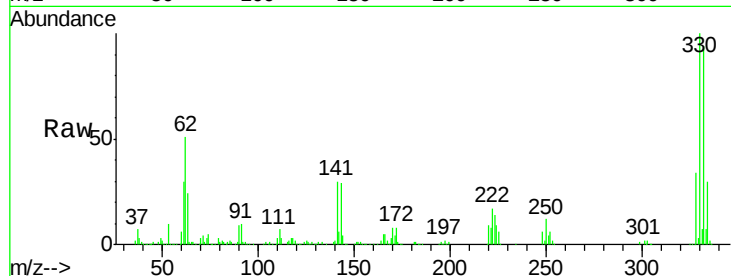
Tot Ion:330 Resp: 515524

Ion Ratio Lower Upper

330 100

332 95.6 76.5 114.7

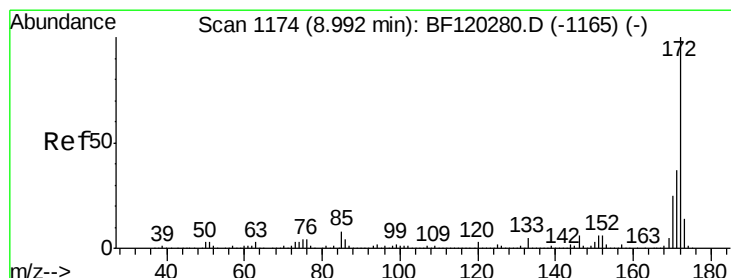
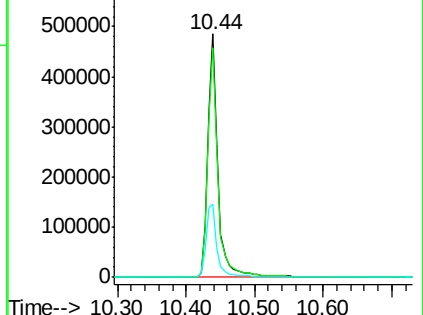
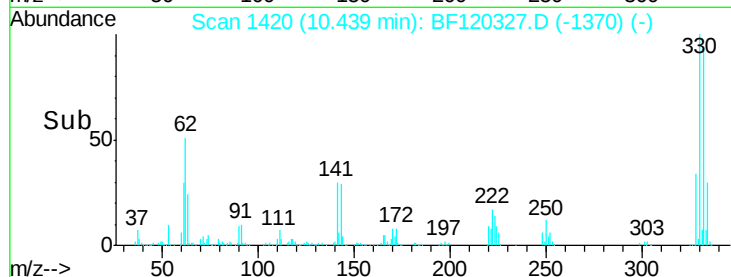
141 32.7 25.4 38.0



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: 65.314 ng

RT: 8.97 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF120327.D

Acq: 15 May 2020 17:51

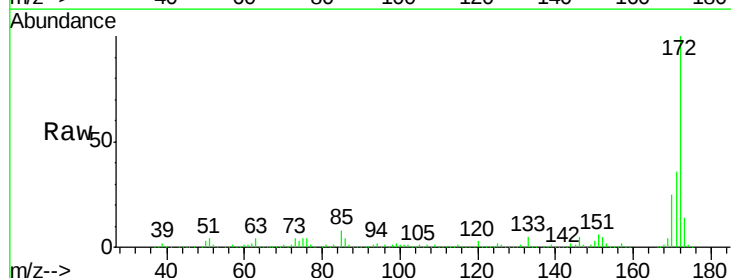
Tgt Ion:172 Resp: 2329617

Ion Ratio Lower Upper

172 100

171 35.9 29.7 44.5

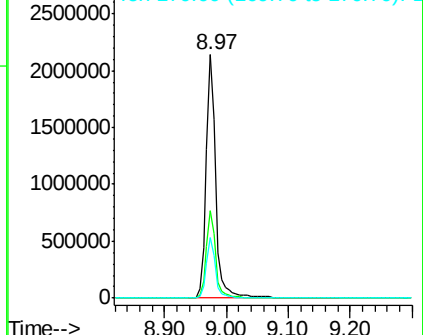
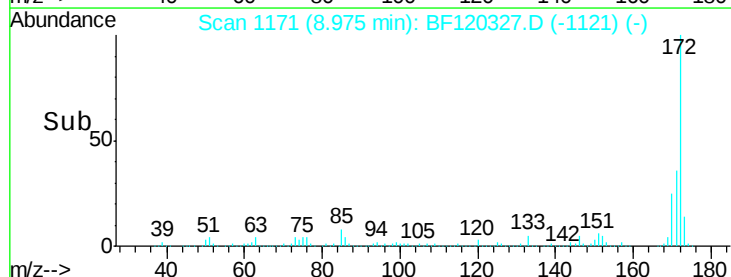
170 25.0 19.9 29.9

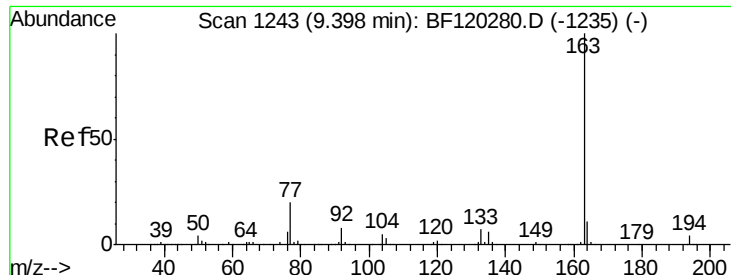


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

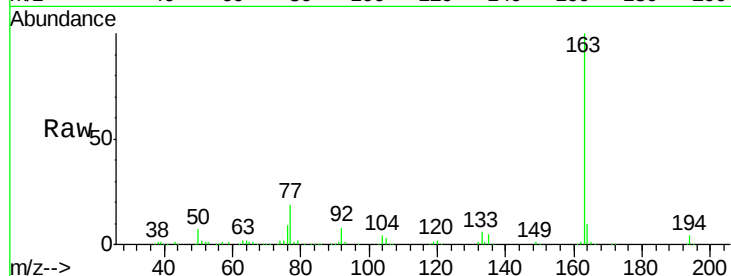




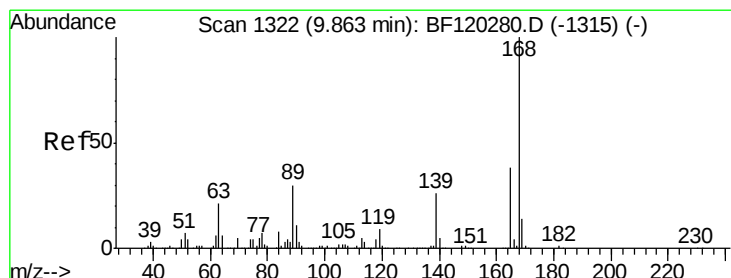
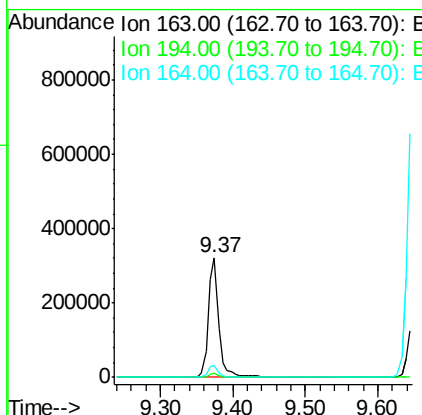
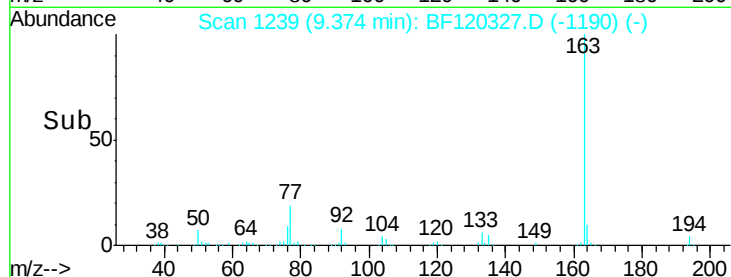
#50
Dimethylphthalate
Concen: 6.970 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 322870
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.8 8.6 12.8

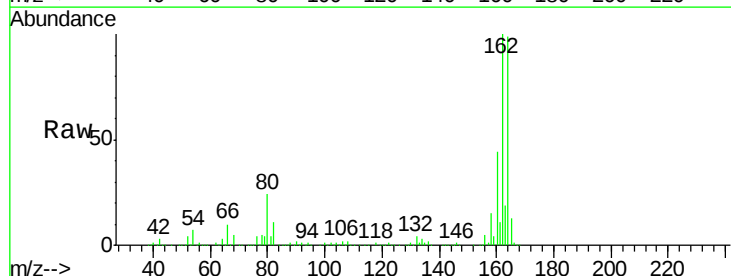


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

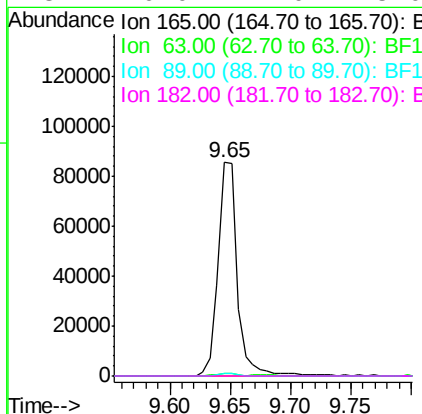
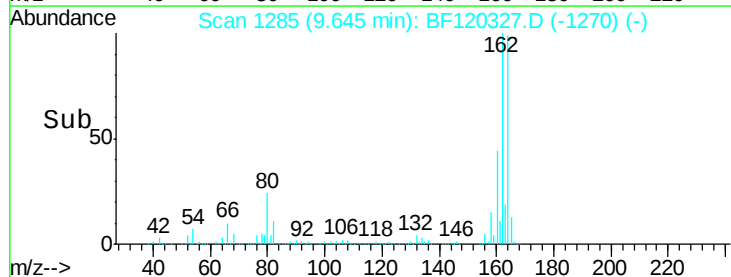


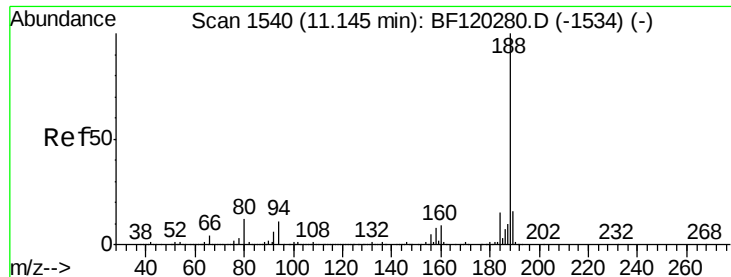
#57
2,4-Dinitrotoluene
Concen: 7.743 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.21 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

Tgt Ion:165 Resp: 93912
Ion Ratio Lower Upper
165 100
63 1.3 51.8 77.8#
89 1.1 64.2 96.4#
182 0.0 2.0 3.0#



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

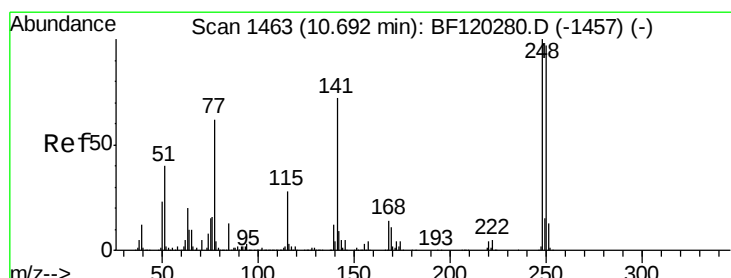
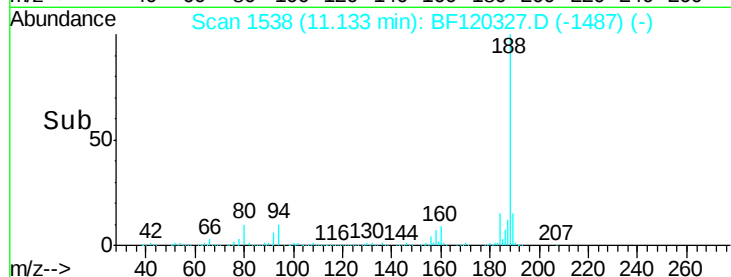
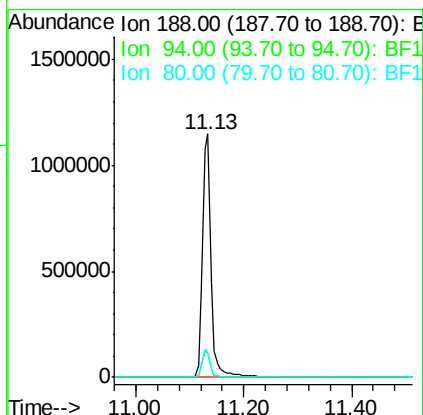
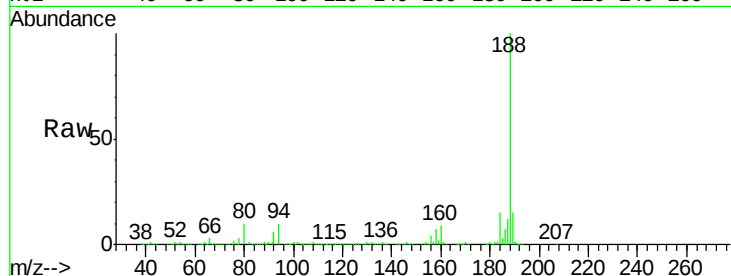




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.13 min Scan# 1538
Delta R.T. -0.00 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

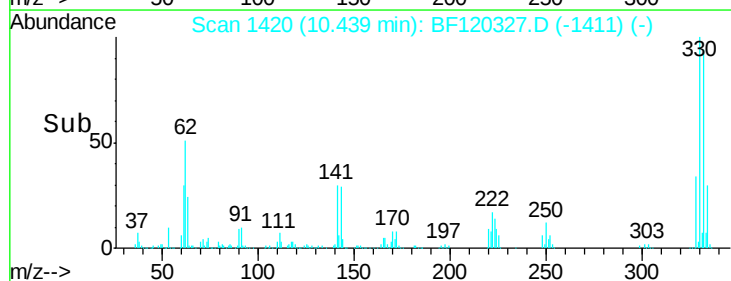
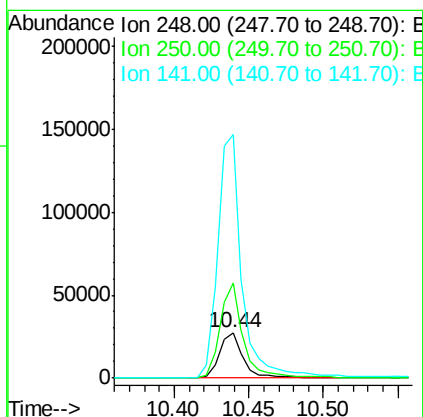
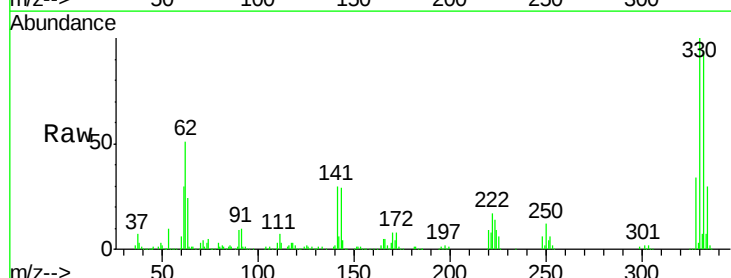
Instrument :
BNA_F
ClientSampleId :

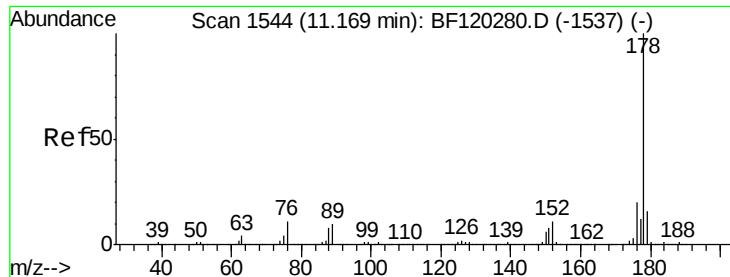
Tot Ion:188 Resp: 1258101
Ion Ratio Lower Upper
188 100
94 9.9 8.6 13.0
80 10.1 9.2 13.8



#67
4-Bromophenyl-phenylether
Concen: 2.563 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.25 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

Tgt Ion:248 Resp: 31289
Ion Ratio Lower Upper
248 100
250 206.8 77.8 116.6#
141 530.9 57.7 86.5#

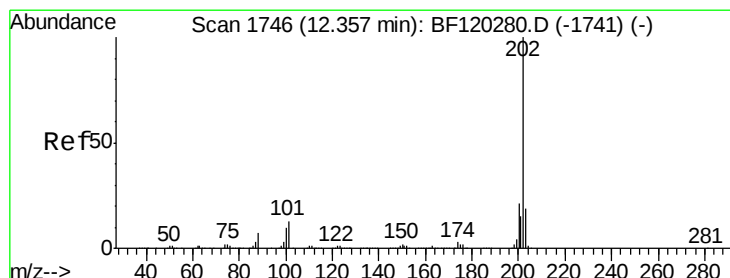
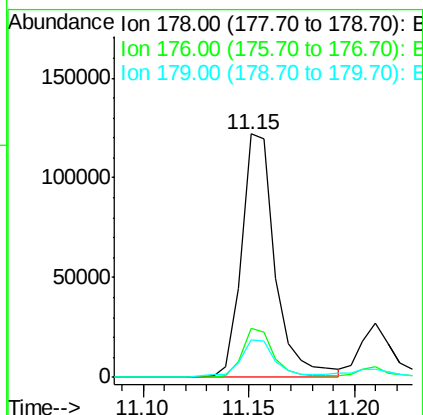
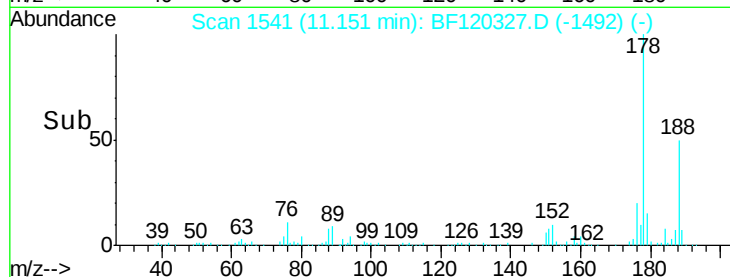
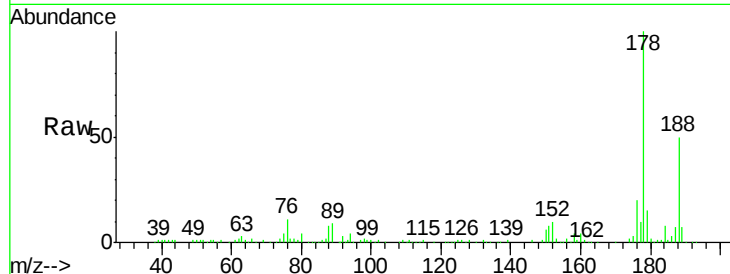




#71
Phenanthrene
Concen: 2.551 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

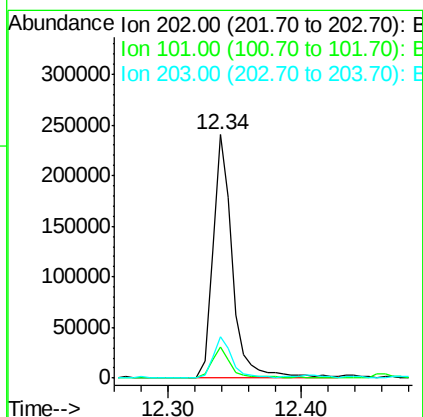
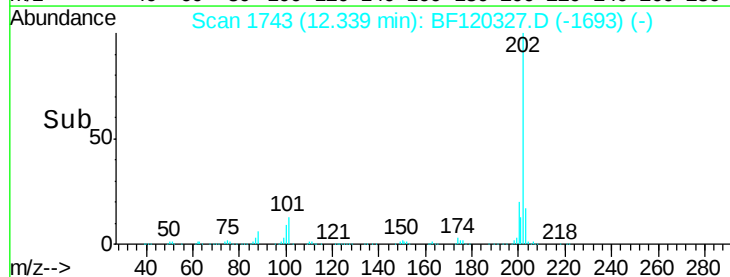
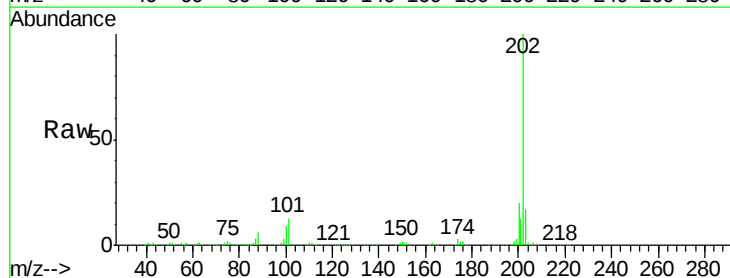
Instrument :
BNA_F
ClientSampleId :

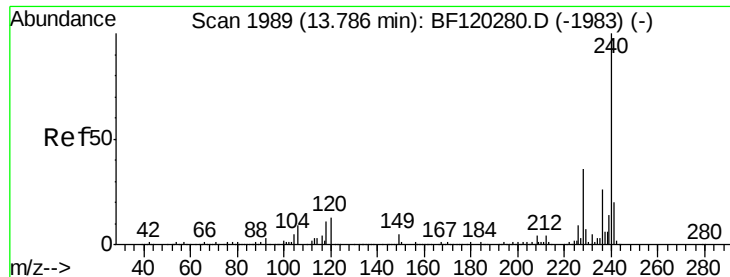
Tot Ion:178 Resp: 134840
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 15.2 12.8 19.2



#75
Fluoranthene
Concen: 4.351 ng
RT: 12.34 min Scan# 1743
Delta R.T. -0.01 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

Tgt Ion:202 Resp: 246533
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.2
203 17.0 0.0 39.1

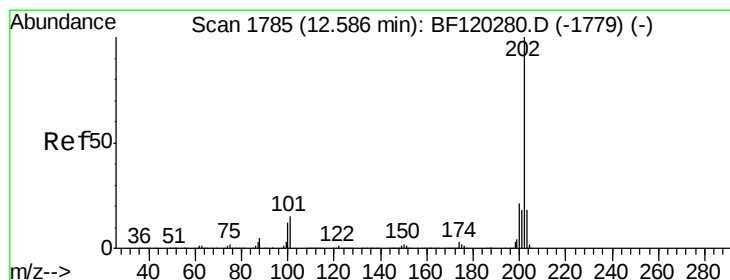
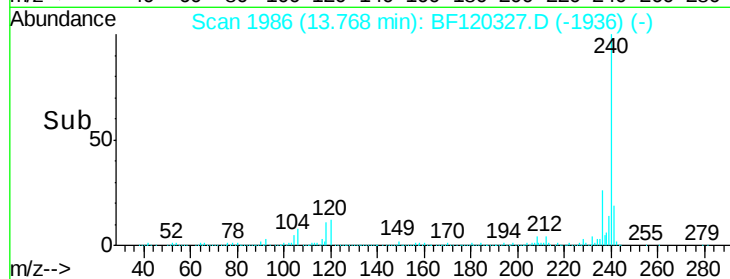
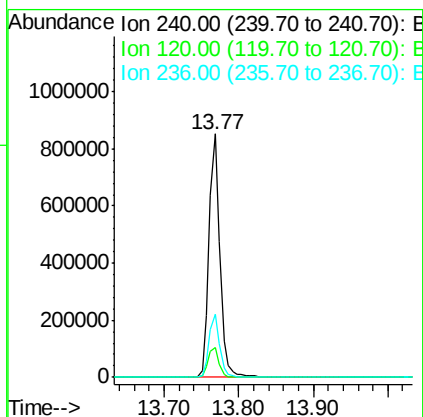
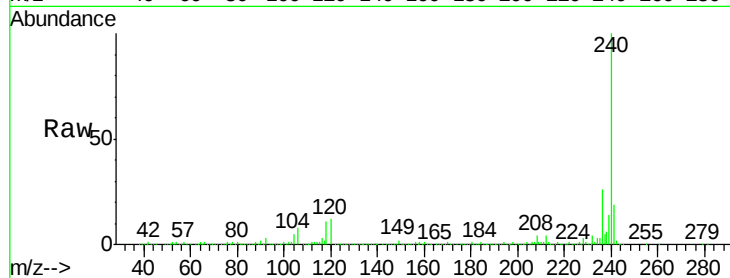




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

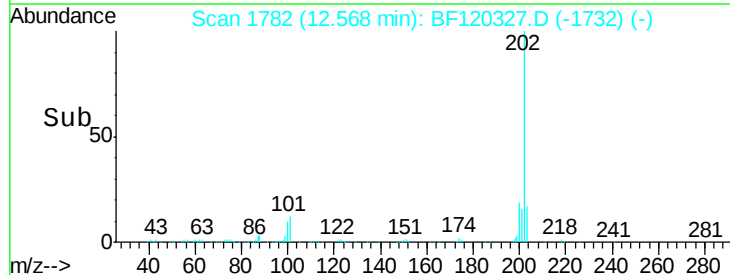
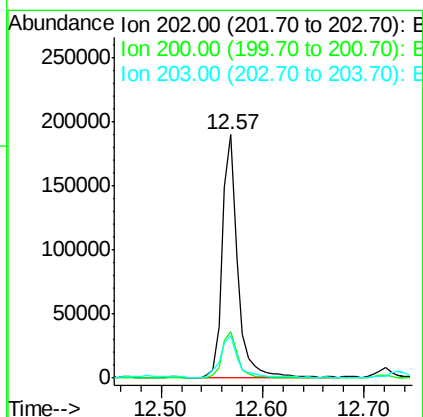
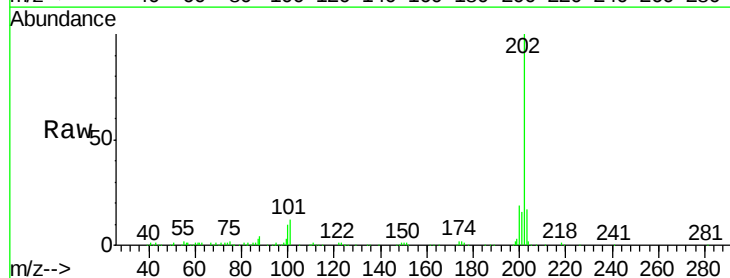
Instrument :
BNA_F
ClientSampleId :

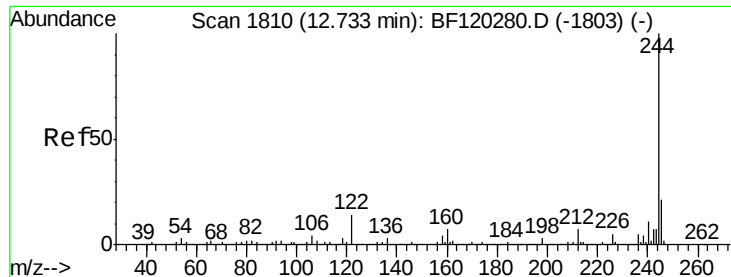
Tot Ion:240 Resp: 867297
Ion Ratio Lower Upper
240 100
120 12.1 10.4 15.6
236 25.7 21.0 31.6



#78
Pyrene
Concen: 3.190 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

Tgt Ion:202 Resp: 197247
Ion Ratio Lower Upper
202 100
200 19.2 16.6 25.0
203 17.3 14.6 22.0



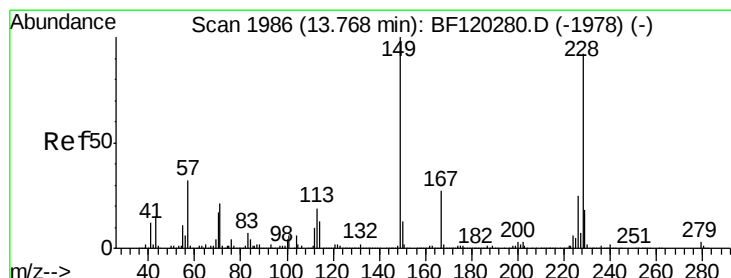
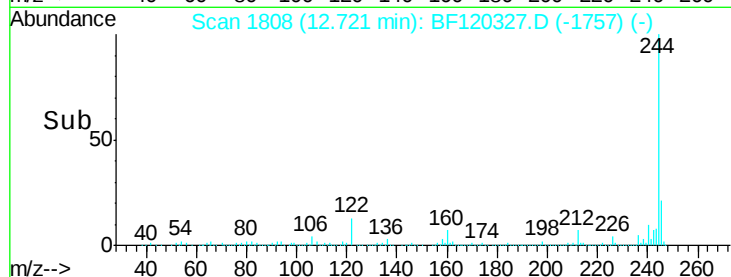
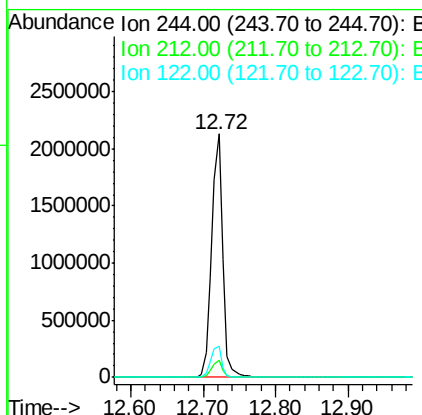
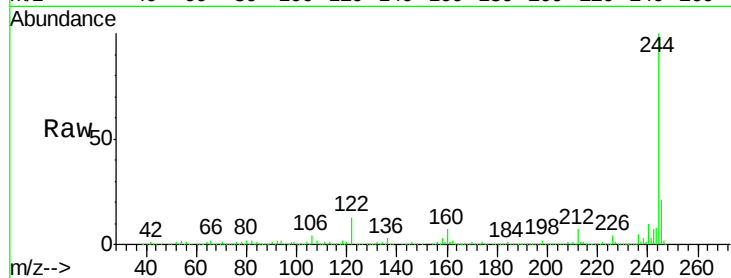


#79
 Terphenyl-d14
 Concen: 57.870 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: BF120327.D
 Acq: 15 May 2020 17:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 2271878

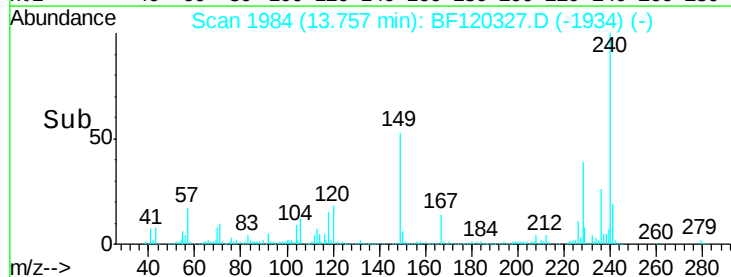
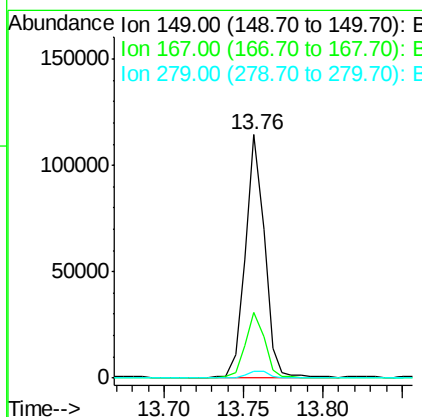
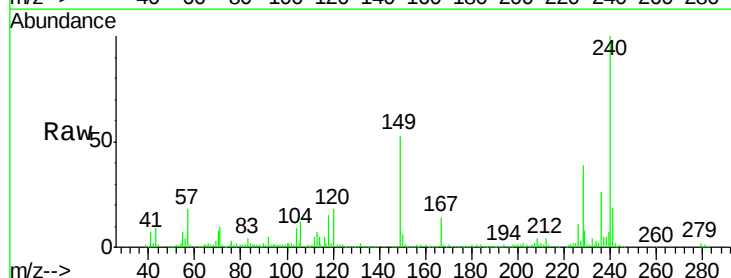
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	12.8	10.8	16.2

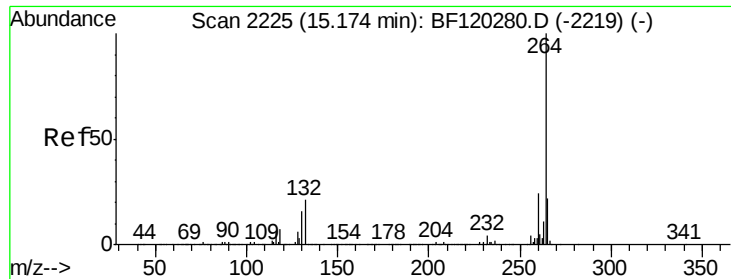


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.636 ng
 RT: 13.76 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: BF120327.D
 Acq: 15 May 2020 17:51

Tgt Ion:149 Resp: 95498

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.8	32.8
279	2.9	2.8	4.2

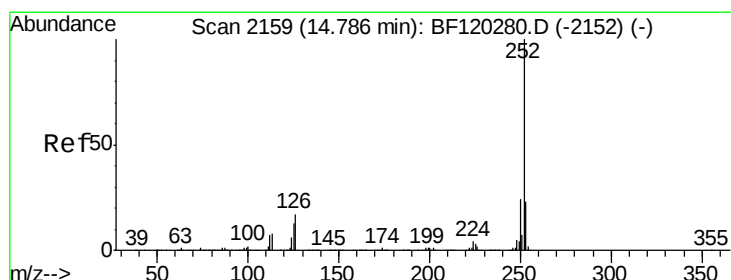
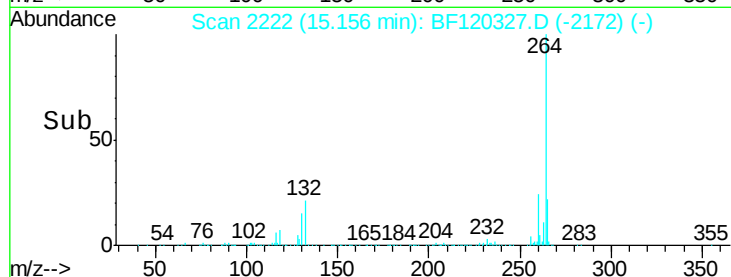
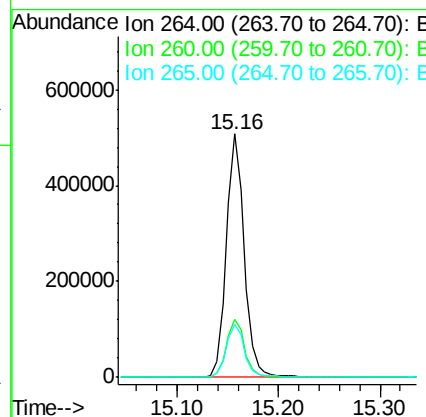
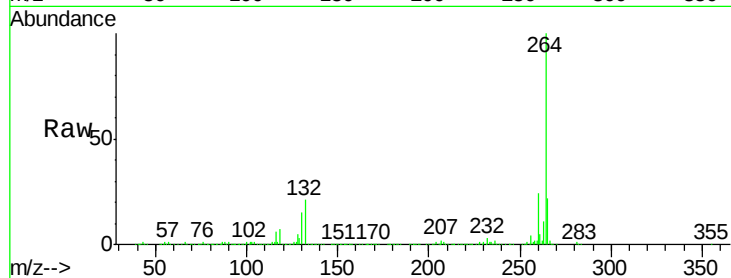




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

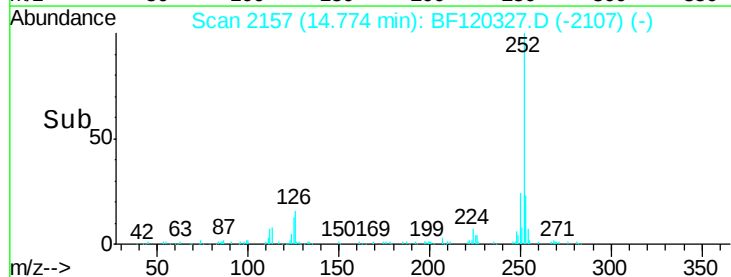
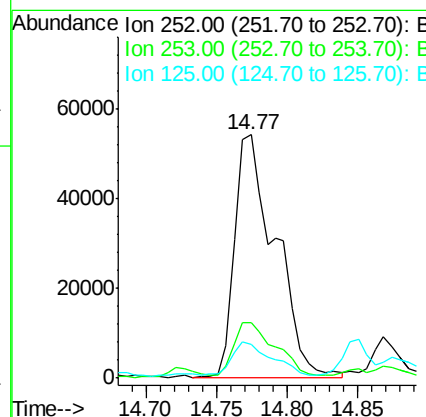
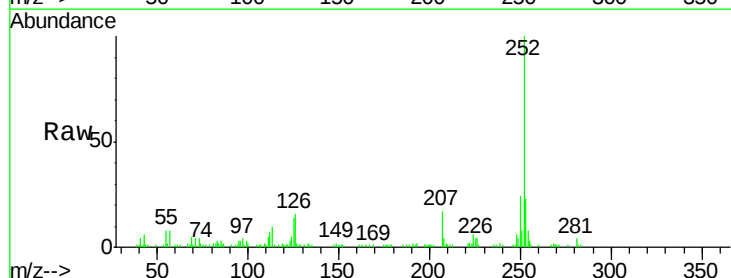
Instrument :
BNA_F
ClientSampleId :

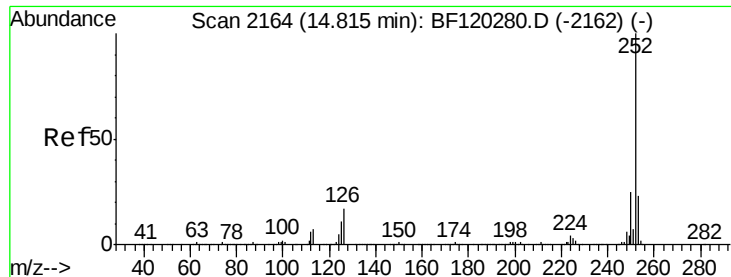
Tot Ion:264 Resp: 622602
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.6
265 21.6 17.5 26.3



#88
Benzo(b)fluoranthene
Concen: 3.240 ng
RT: 14.77 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BF120327.D
Acq: 15 May 2020 17:51

Tgt Ion:252 Resp: 110152
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 13.8 10.4 15.6





#89

Benzo(k)fluoranthene

Concen: 3.739 ng

RT: 14.77 min Scan# 2157

Delta R.T. -0.03 min

Lab File: BF120327.D

Acq: 15 May 2020 17:51

Instrument :

BNA_F

ClientSampleId :

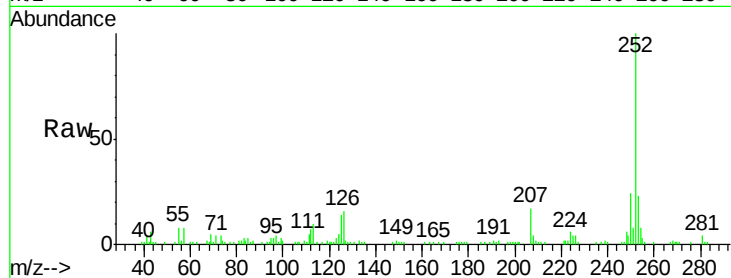
Tot Ion:252 Resp: 110152

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

125 13.8 9.9 14.9



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

