

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121145.D
 Acq On : 30 Jul 2020 23:55
 Operator : JU/CG
 Sample : L3451-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-015-B

Quant Time: Jul 31 00:35:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	135749	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	528410	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	264381	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	435963	20.00	ng	0.00
76) Chrysene-d12	13.97	240	349768	20.00	ng	0.01
86) Perylene-d12	15.43	264	299637	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	162032	19.57	ng	0.00
7) Phenol-d6	6.43	99	212806	19.89	ng	-0.01
23) Nitrobenzene-d5	7.36	82	115898	12.69	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	44699	15.45	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	259504	14.66	ng	0.00
79) Terphenyl-d14	12.92	244	216026	13.43	ng	0.00

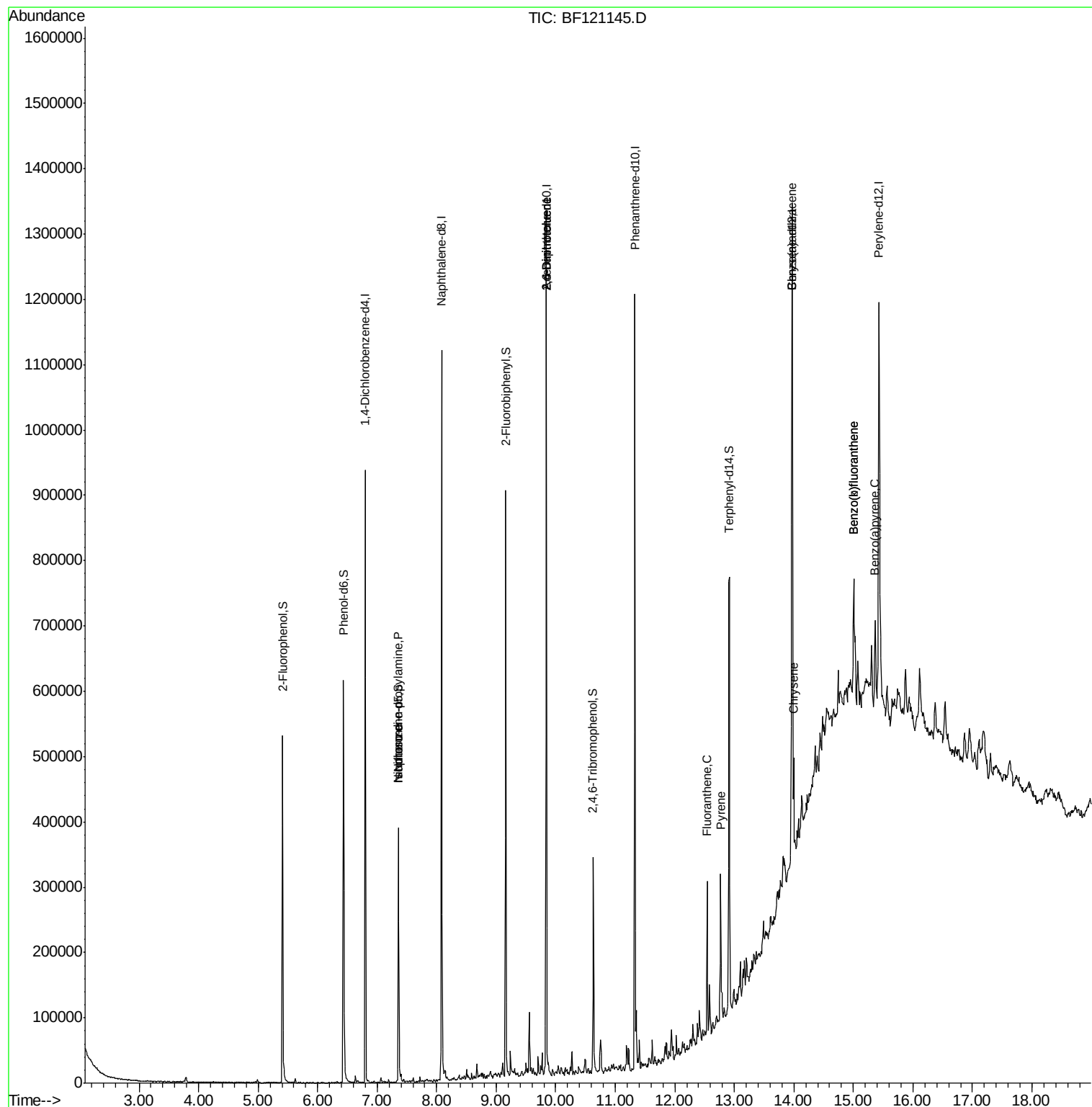
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	220	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	15120	2.486	ng	# 80
25) Isophorone	7.36	82	115896	6.359	ng	# 62
51) 2,6-Dinitrotoluene	9.84	165	34855	8.506	ng	# 27
57) 2,4-Dinitrotoluene	9.84	165	34855	6.477	ng	# 29
75) Fluoranthene	12.55	202	100218	4.032	ng	99
78) Pyrene	12.77	202	99126	4.009	ng	99
81) Benzo(a)anthracene	13.96	228	74411	3.513	ng	96
83) Chrysene	14.00	228	66894	3.005	ng	97
88) Benzo(b)fluoranthene	15.00	252	125365	6.922	ng	# 89
89) Benzo(k)fluoranthene	15.00	252	125365	7.590	ng	# 90
90) Benzo(a)pyrene	15.36	252	64354	3.894	ng	# 92

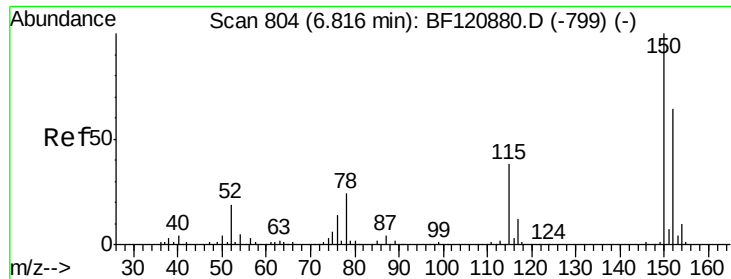
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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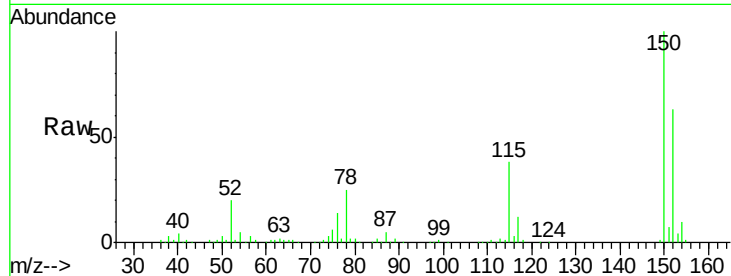


#1

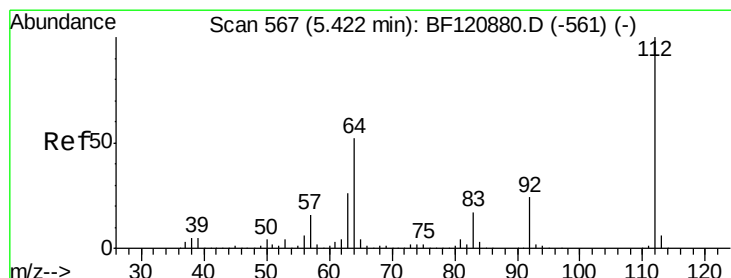
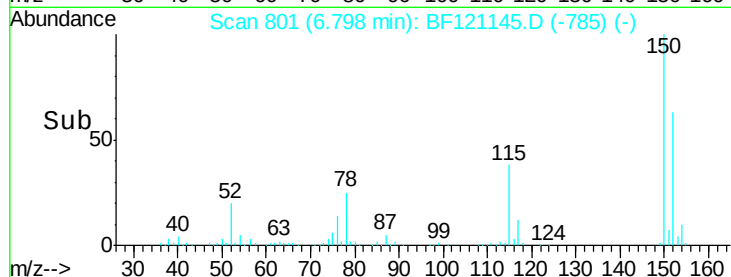
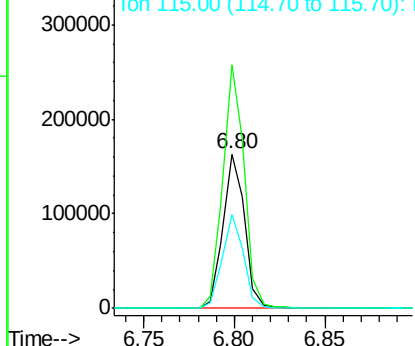
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121145.D
Acq: 30 Jul 2020 23:55

Instrument :
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ClientSampleId :
FK-GF-03-015-B

Tot Ion:152 Resp: 135749
Ion Ratio Lower Upper
152 100
150 157.5 125.6 188.4
115 60.3 46.2 69.2



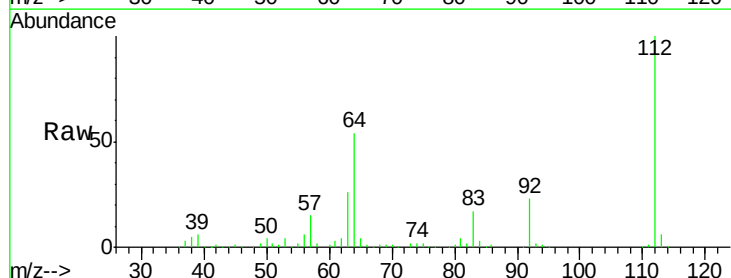
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



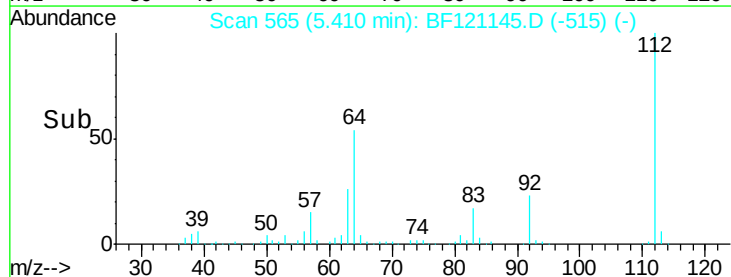
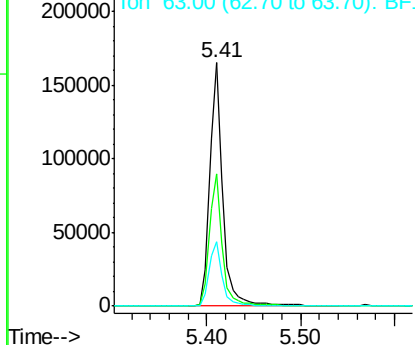
#5

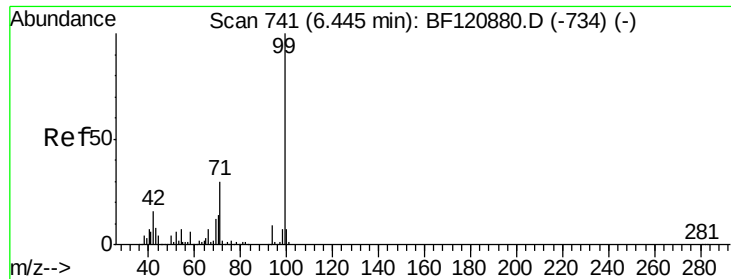
2-Fluorophenol
Concen: 19.568 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121145.D
Acq: 30 Jul 2020 23:55

Tgt Ion:112 Resp: 162032
Ion Ratio Lower Upper
112 100
64 54.4 43.9 65.9
63 26.3 22.7 34.1



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: 19.895 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121145.D

Acq: 30 Jul 2020 23:55

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-015-B

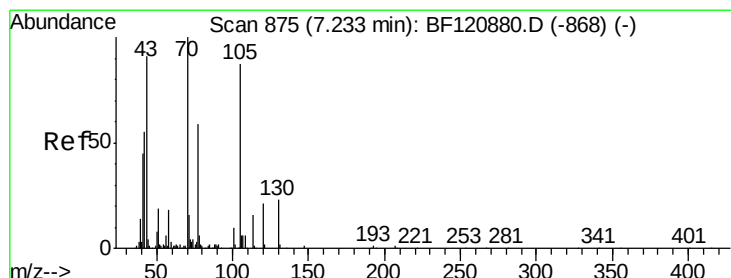
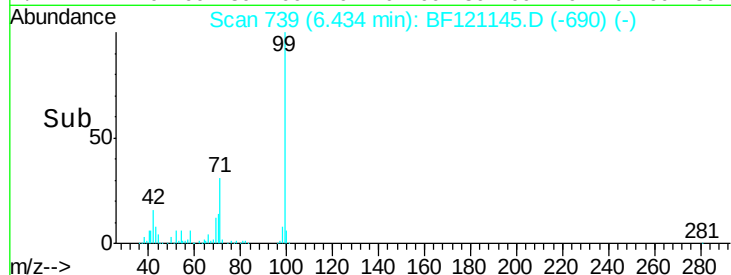
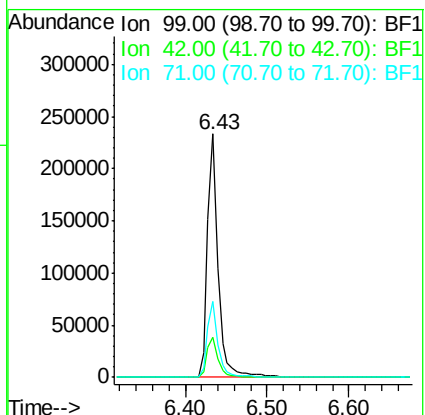
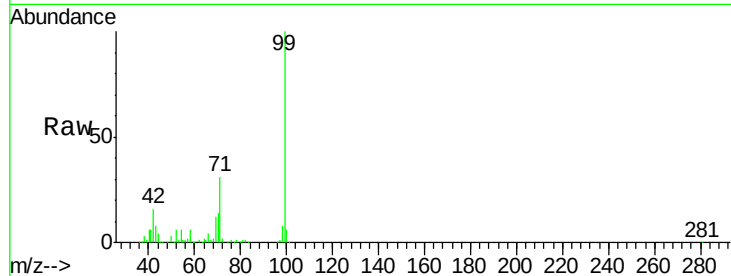
Tot Ion: 99 Resp: 212806

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

71 31.4 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 2.486 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121145.D

Acq: 30 Jul 2020 23:55

Tgt Ion: 70 Resp: 15120

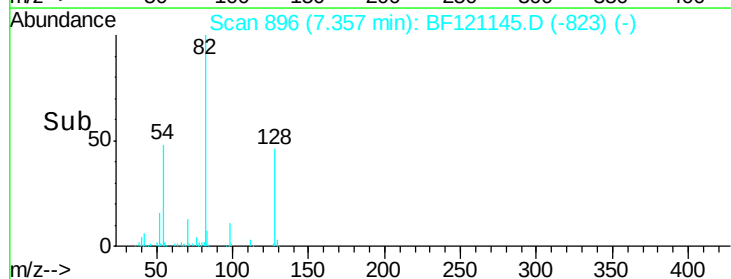
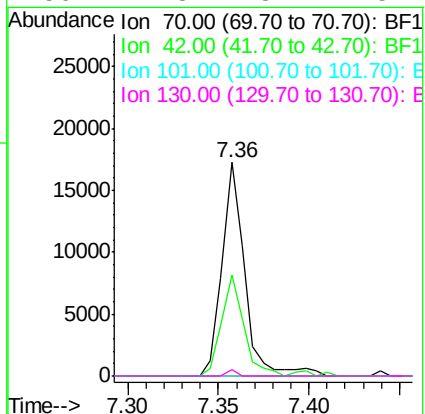
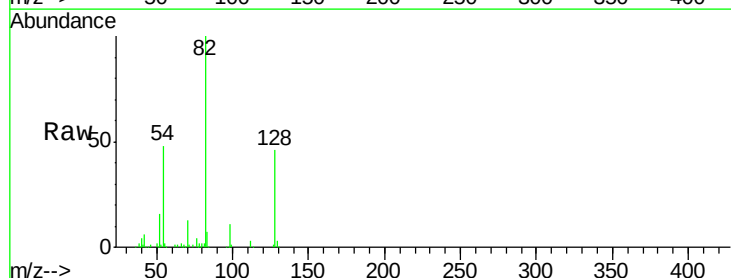
Ion Ratio Lower Upper

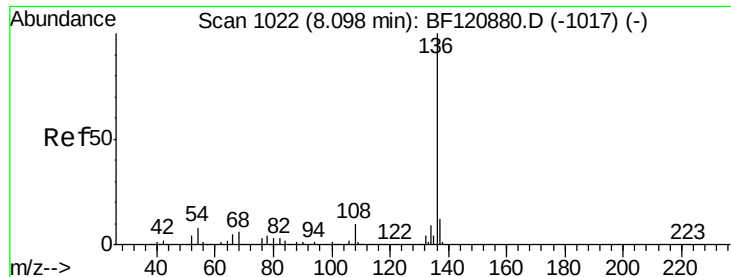
70 100

42 47.5 43.3 64.9

101 0.0 8.4 12.6#

130 2.8 18.7 28.1#

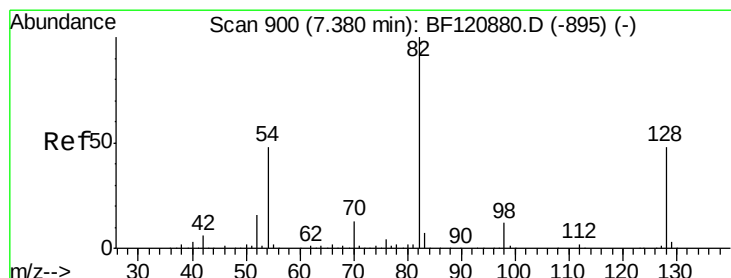
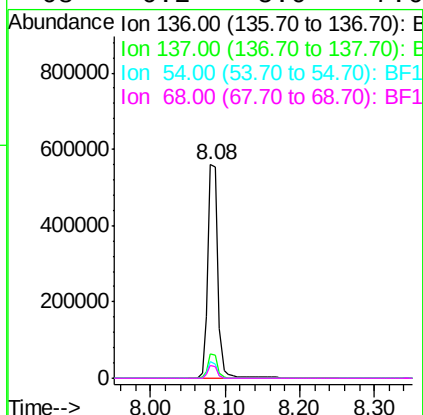
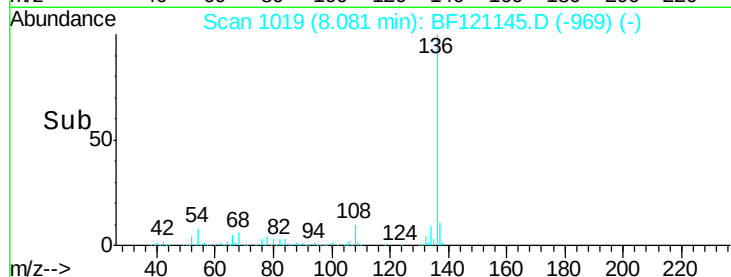
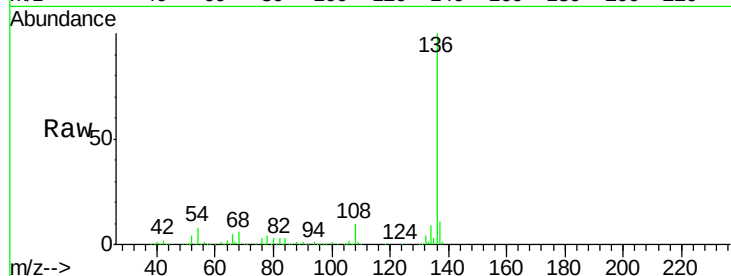




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF121145.D
Acq: 30 Jul 2020 23:55

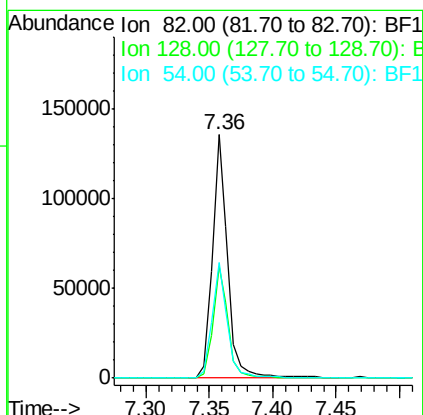
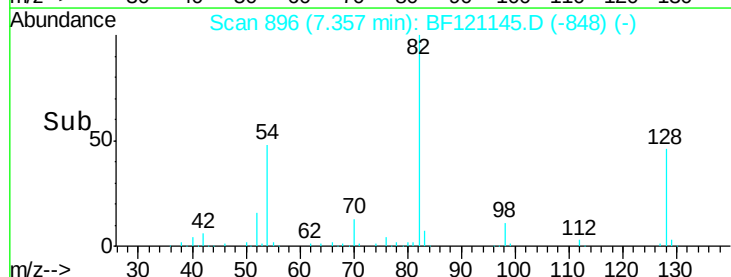
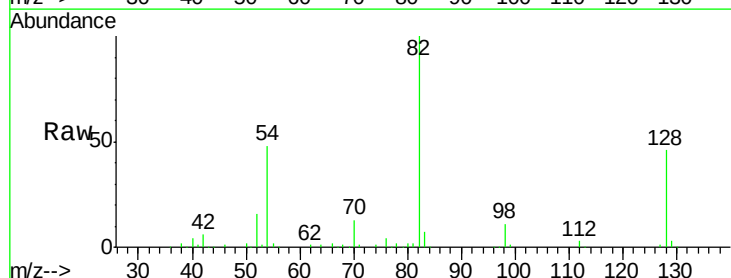
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-015-B

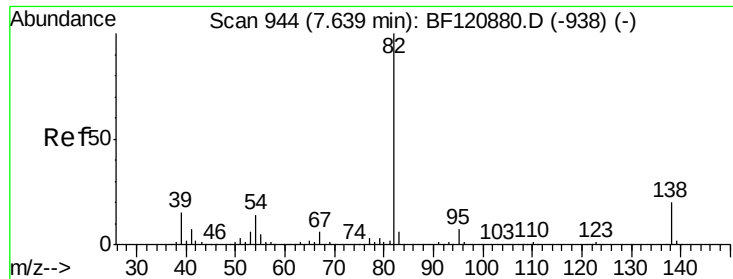
Tot Ion:136	Resp:	528410
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.0 13.4
54	8.0	6.1 9.1
68	6.2	5.0 7.6



#23
Nitrobenzene-d5
Concen: 12.691 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF121145.D
Acq: 30 Jul 2020 23:55

Tgt Ion: 82	Resp:	115898
Ion	Ratio	Lower Upper
82	100	
128	45.7	39.2 58.8
54	47.6	37.8 56.8





#25

Isophorone

Concen: 6.359 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121145.D

Acq: 30 Jul 2020 23:55

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-015-B

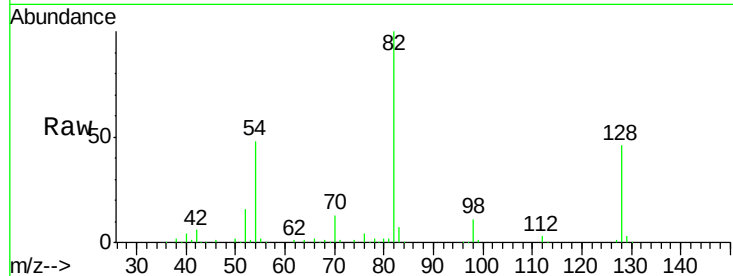
Tot Ion: 82 Resp: 115896

Ion Ratio Lower Upper

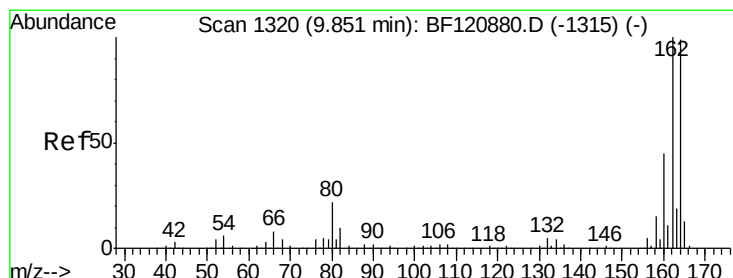
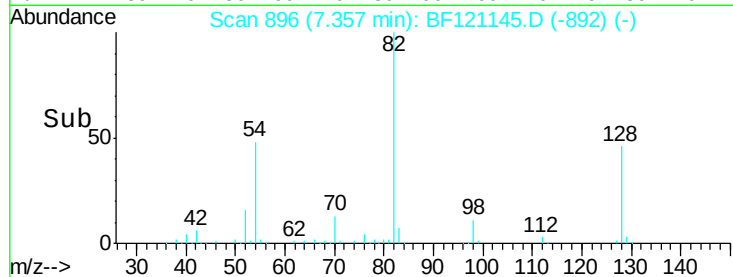
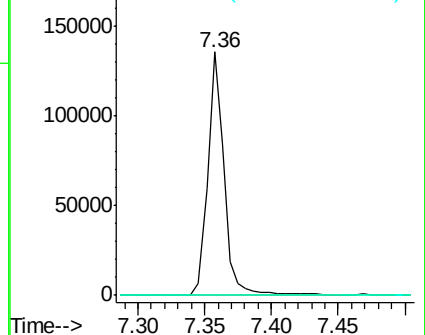
82 100

95 0.0 5.5 8.3#

138 0.0 16.2 24.2#



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: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF121145.D

Acq: 30 Jul 2020 23:55

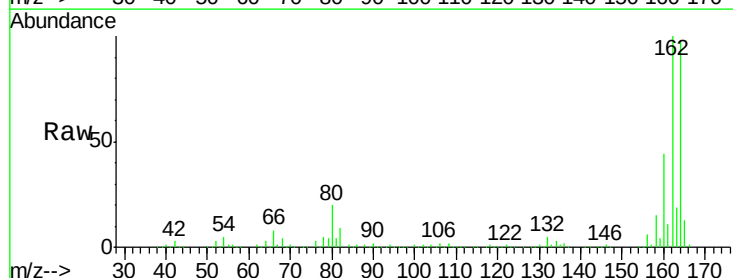
Tgt Ion: 164 Resp: 264381

Ion Ratio Lower Upper

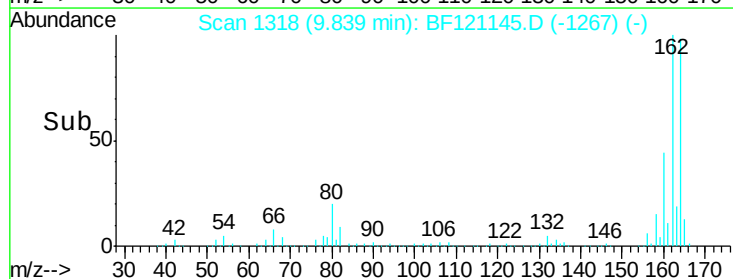
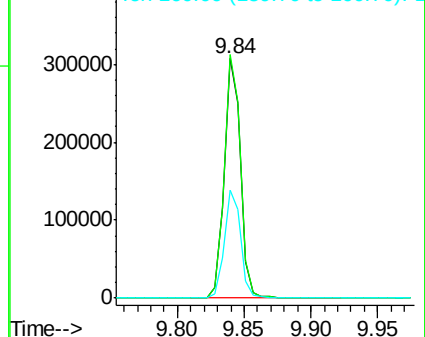
164 100

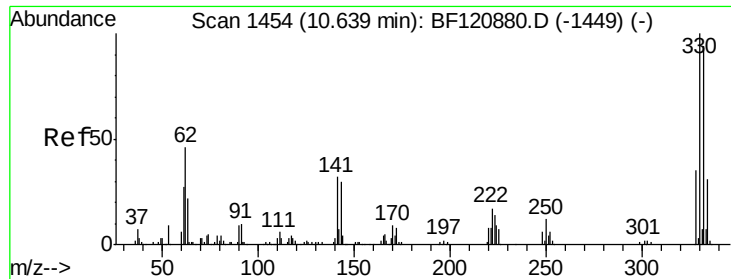
162 101.7 82.2 123.2

160 45.3 37.2 55.8



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: 15.446 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BF121145.D

Acq: 30 Jul 2020 23:55

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-015-B

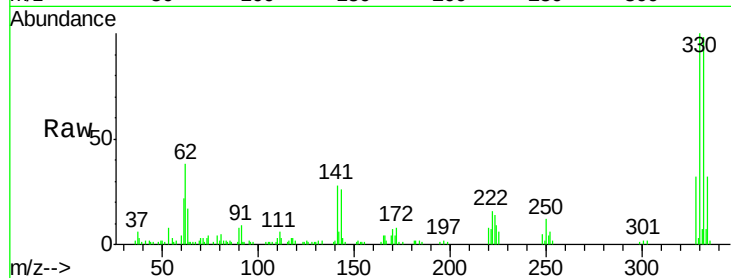
Tot Ion:330 Resp: 44699

Ion Ratio Lower Upper

330 100

332 96.5 76.1 114.1

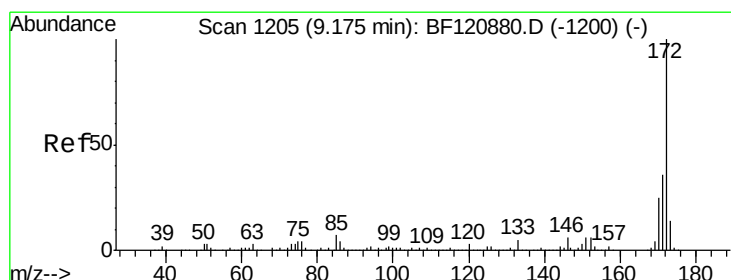
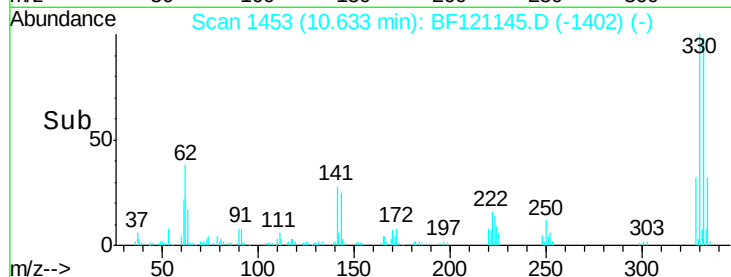
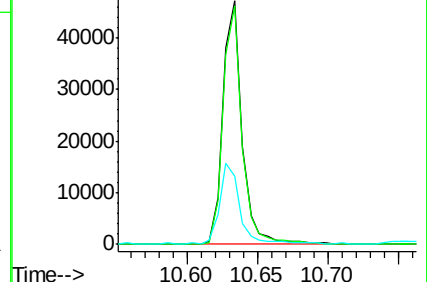
141 35.6 24.1 36.1



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: 14.655 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF121145.D

Acq: 30 Jul 2020 23:55

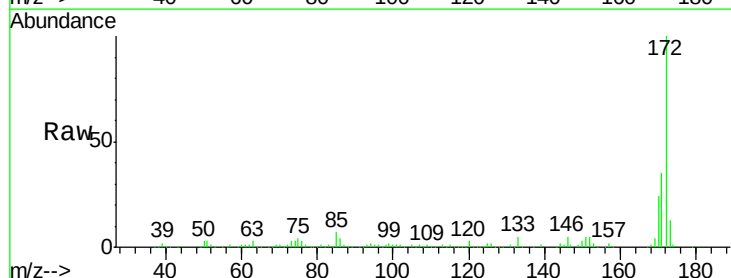
Tgt Ion:172 Resp: 259504

Ion Ratio Lower Upper

172 100

171 35.2 29.0 43.4

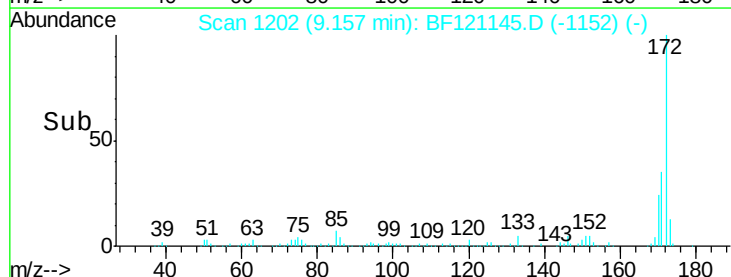
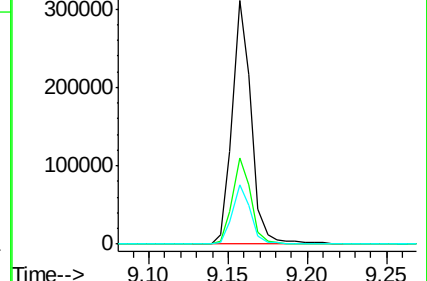
170 24.3 19.6 29.4

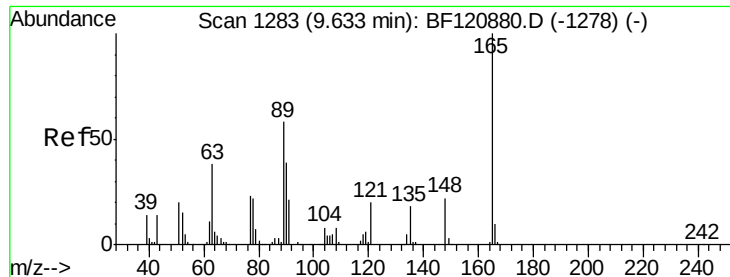


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

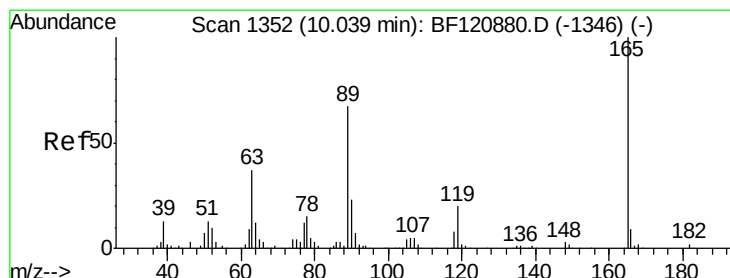
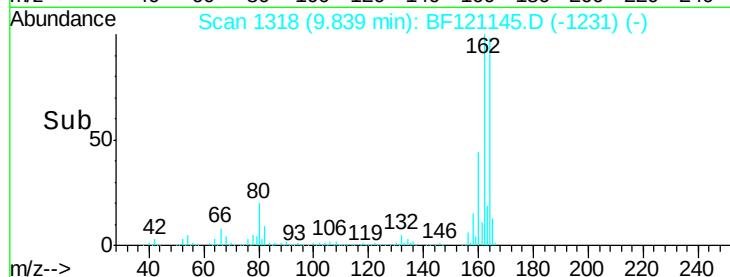
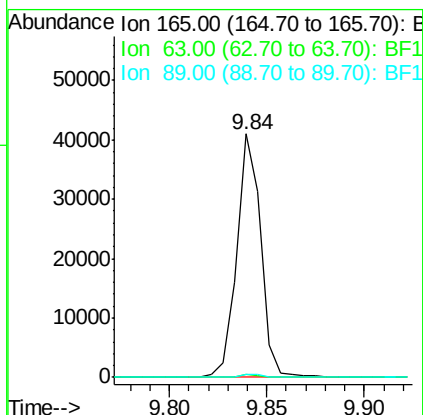
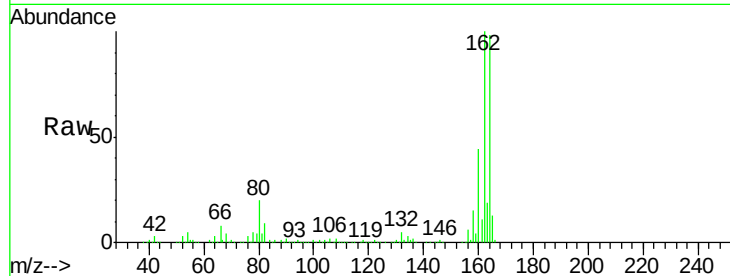




#51
 2,6-Dinitrotoluene
 Concen: 8.506 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF121145.D
 Acq: 30 Jul 2020 23:55

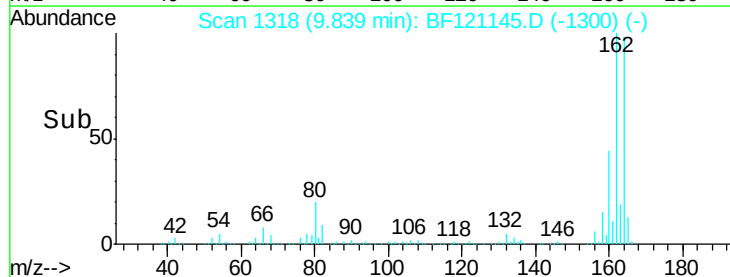
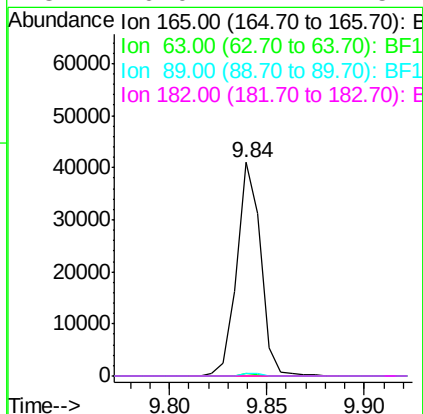
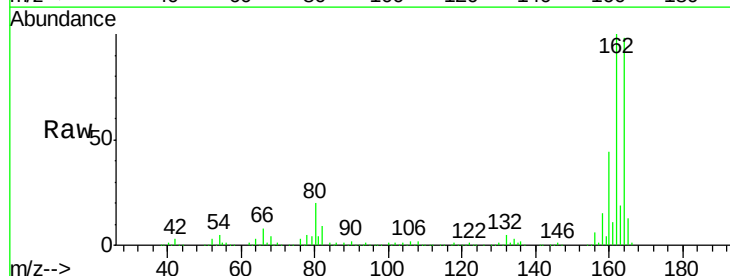
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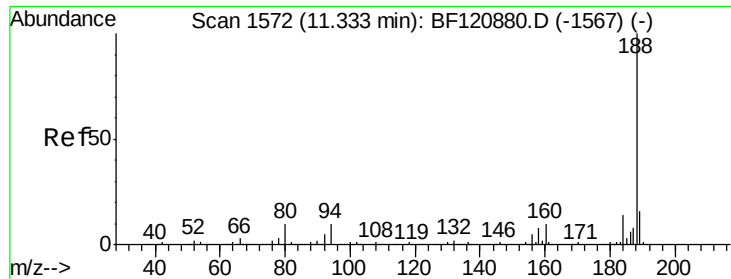
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	41.1	61.7#
89	1.3	43.5	65.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.477 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF121145.D
 Acq: 30 Jul 2020 23:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	29.8	44.8#
89	1.3	50.3	75.5#
182	0.0	2.1	3.1#

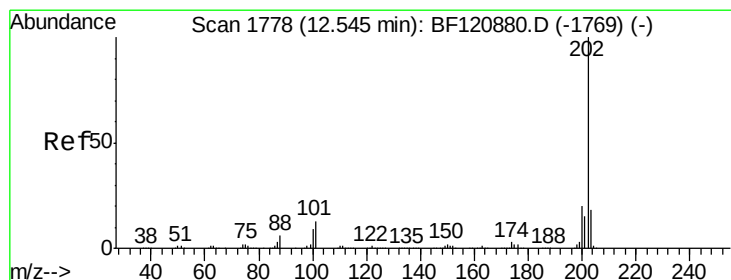
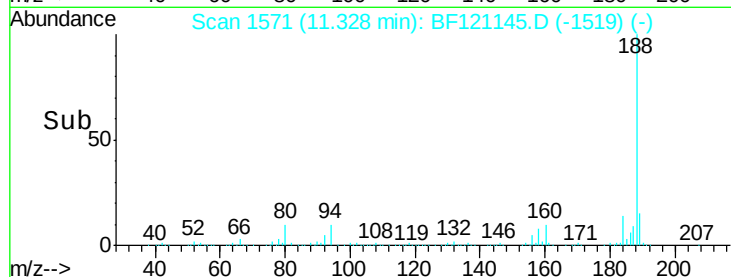
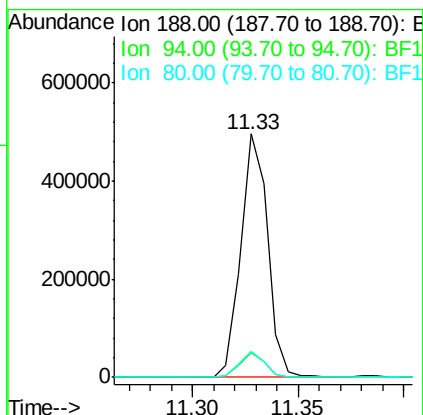
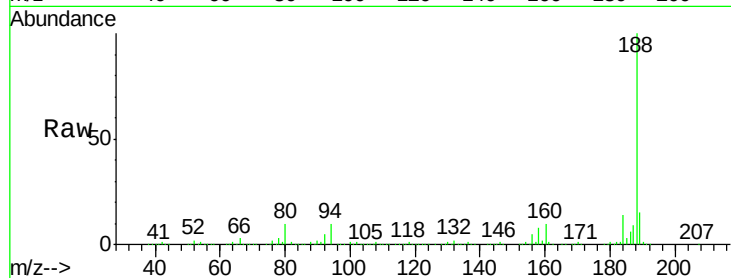




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF121145.D
Acq: 30 Jul 2020 23:55

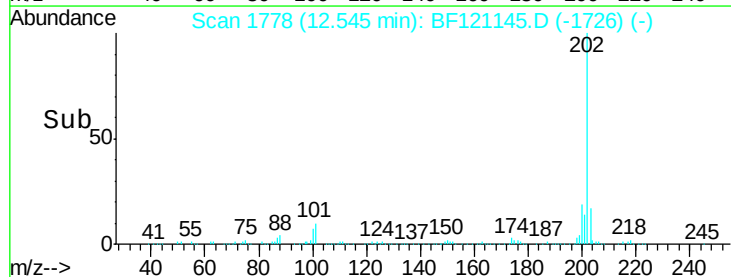
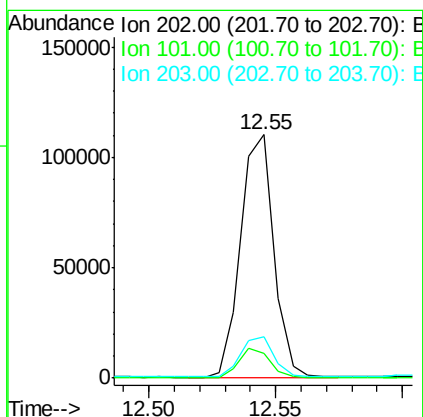
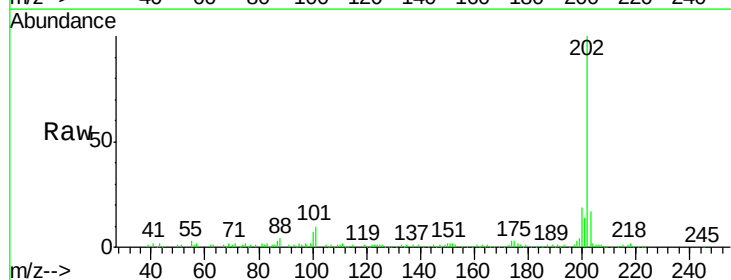
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-015-B

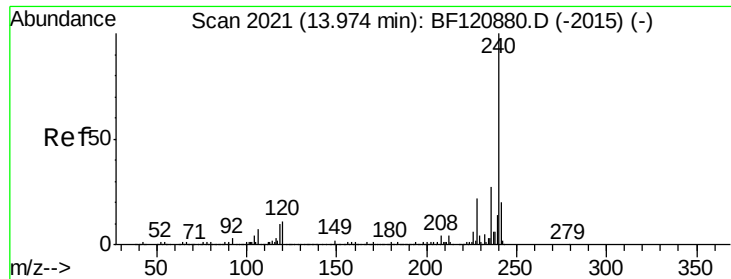
Tot Ion:188 Resp: 435963
Ion Ratio Lower Upper
188 100
94 10.1 8.0 12.0
80 10.5 8.3 12.5



#75
Fluoranthene
Concen: 4.032 ng
RT: 12.55 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF121145.D
Acq: 30 Jul 2020 23:55

Tgt Ion:202 Resp: 100218
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.5
203 17.2 0.0 37.7

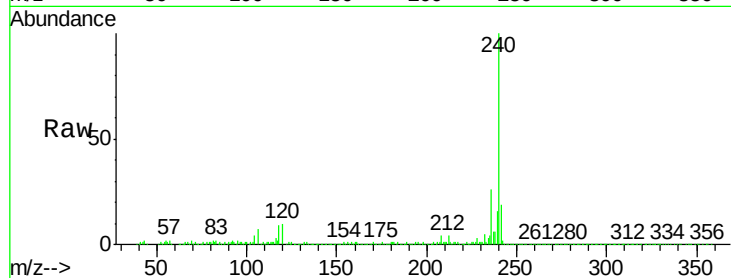




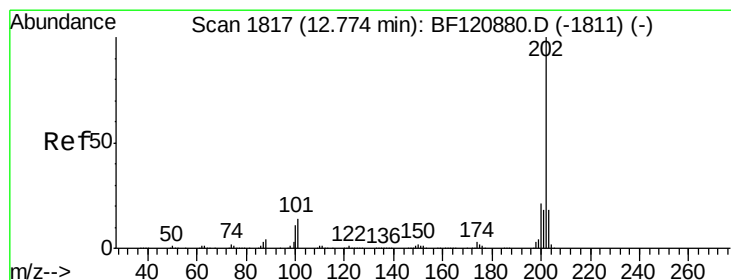
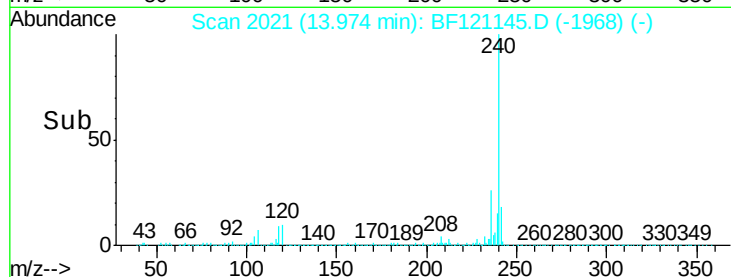
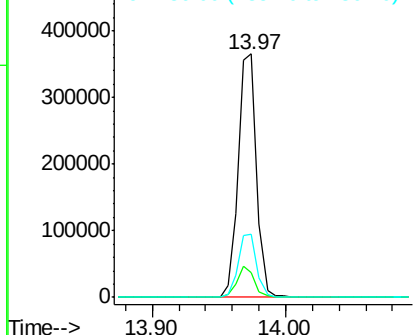
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF121145.D
Acq: 30 Jul 2020 23:55

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-015-B

Tot Ion:240 Resp: 349768
Ion Ratio Lower Upper
240 100
120 10.3 9.3 13.9
236 25.9 21.1 31.7

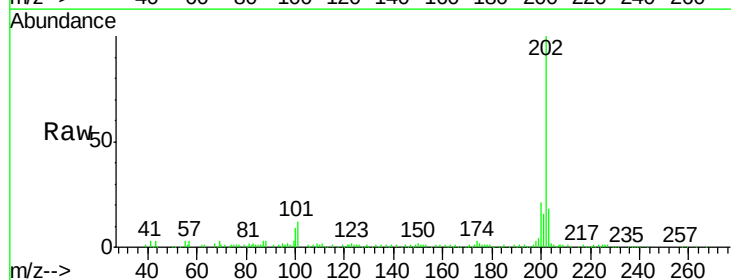


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

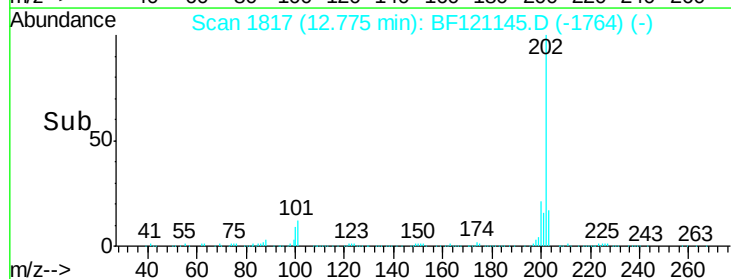
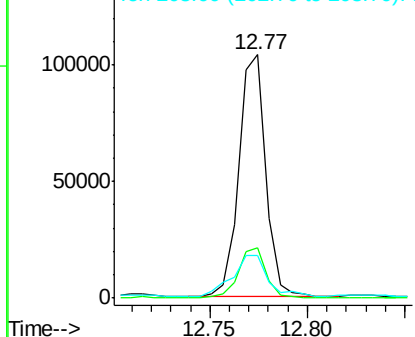


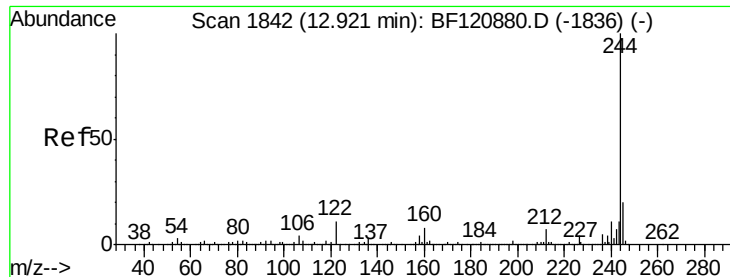
#78
Pyrene
Concen: 4.009 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF121145.D
Acq: 30 Jul 2020 23:55

Tgt Ion:202 Resp: 99126
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 17.6 14.6 21.8



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: 13.426 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF121145.D

Acq: 30 Jul 2020 23:55

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-015-B

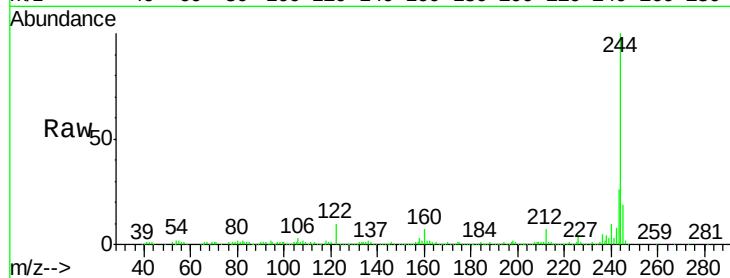
Tot Ion:244 Resp: 216026

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

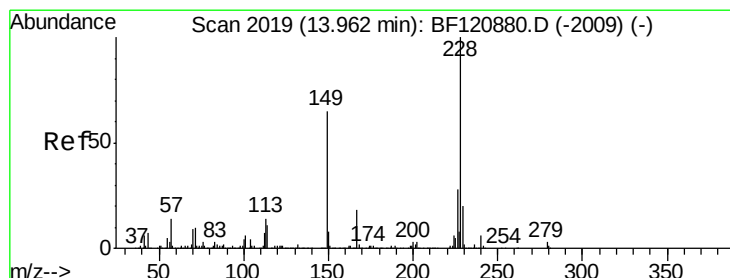
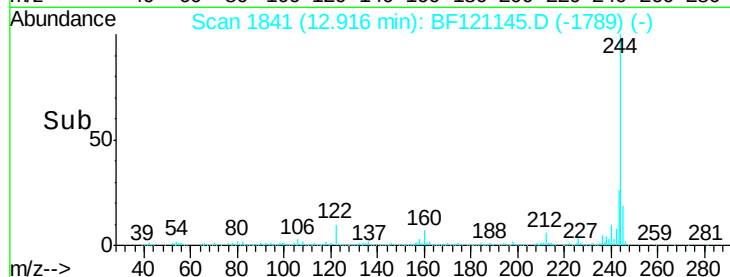
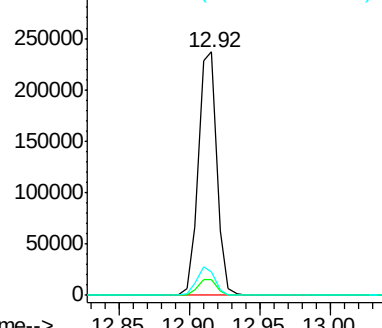
122 9.6 8.3 12.5



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: 3.513 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF121145.D

Acq: 30 Jul 2020 23:55

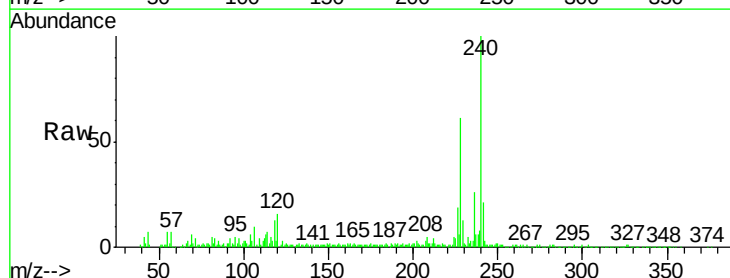
Tgt Ion:228 Resp: 74411

Ion Ratio Lower Upper

228 100

226 31.0 22.6 34.0

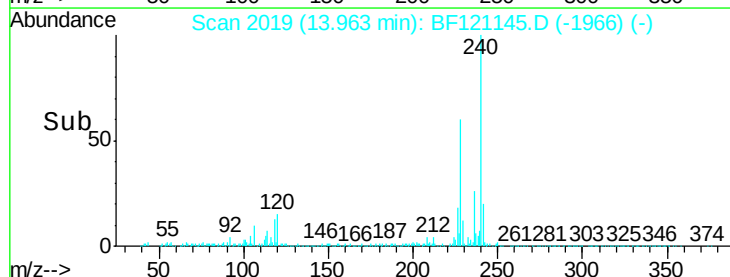
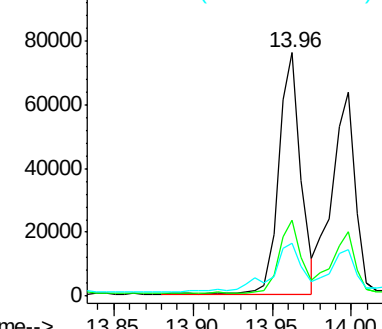
229 21.5 16.1 24.1

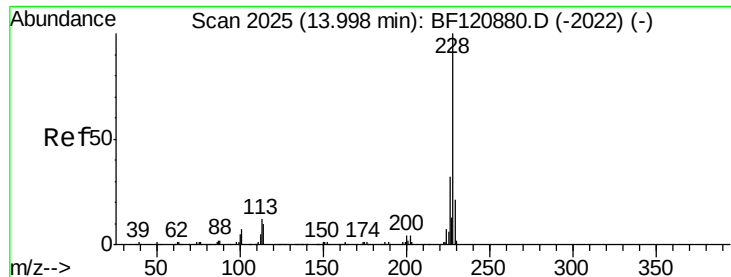


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

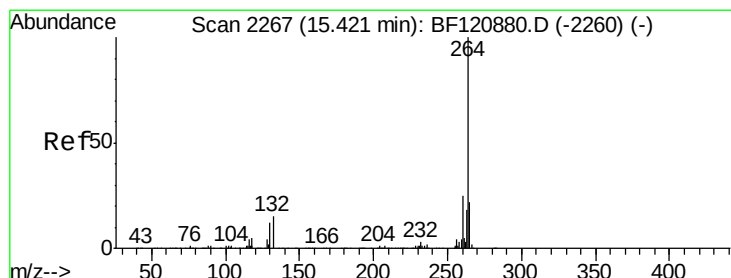
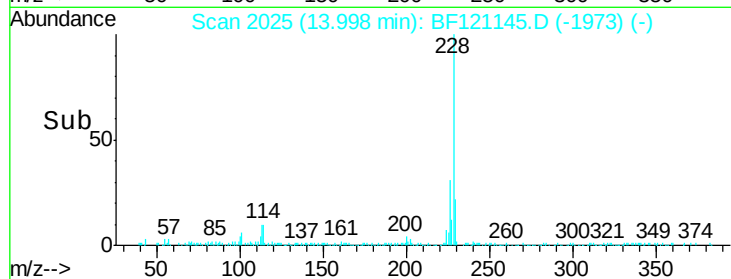
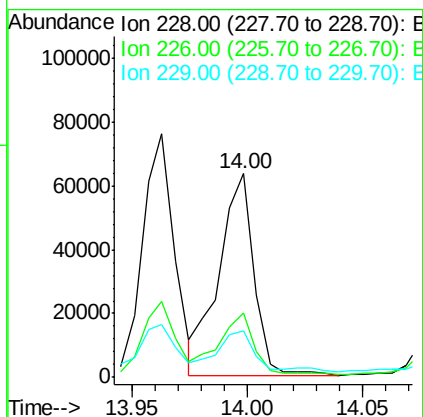
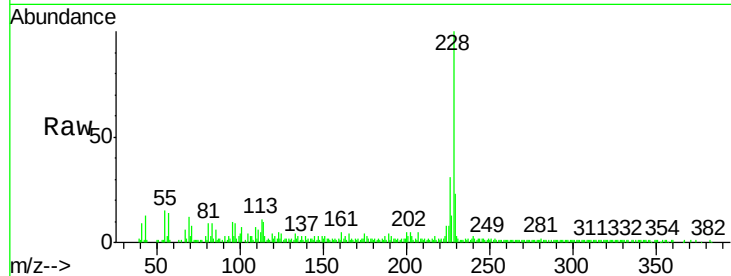




#83
Chrysene
Concen: 3.005 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121145.D
Acq: 30 Jul 2020 23:55

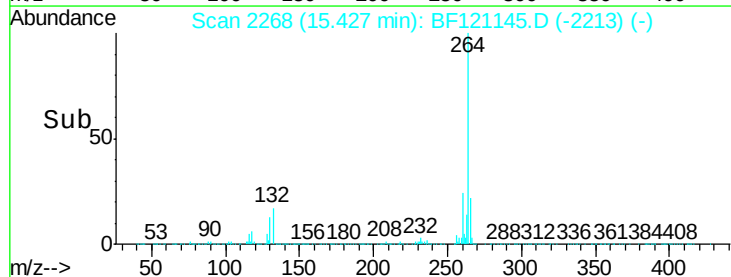
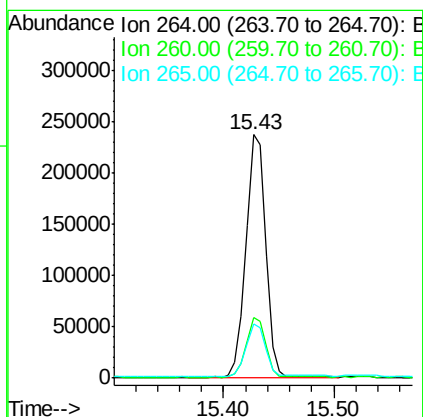
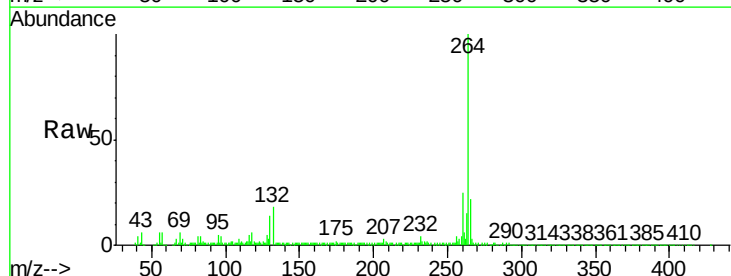
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-015-B

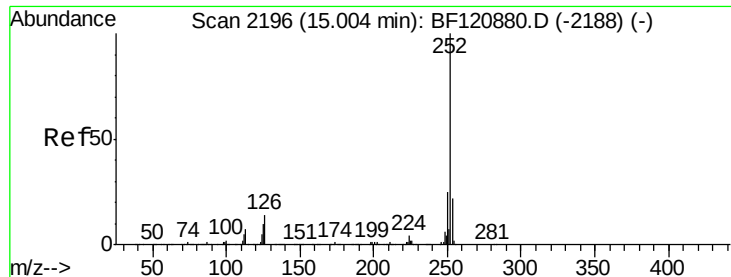
Tot Ion:228 Resp: 66894
Ion Ratio Lower Upper
228 100
226 31.4 25.4 38.0
229 22.9 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF121145.D
Acq: 30 Jul 2020 23:55

Tgt Ion:264 Resp: 299637
Ion Ratio Lower Upper
264 100
260 24.6 19.9 29.9
265 22.4 17.8 26.8

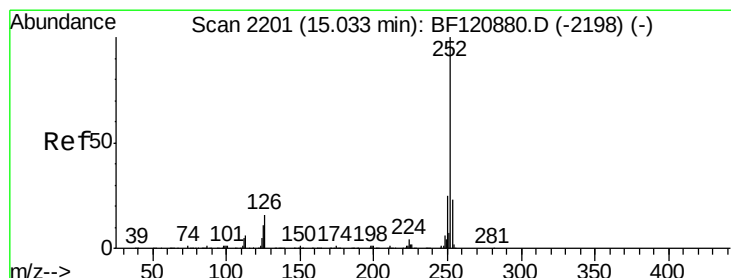
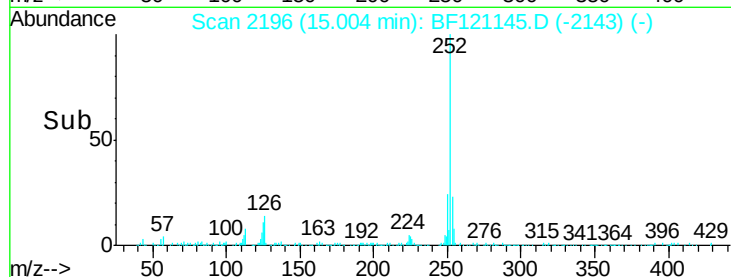
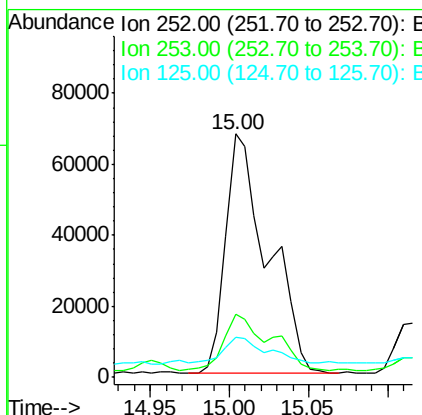
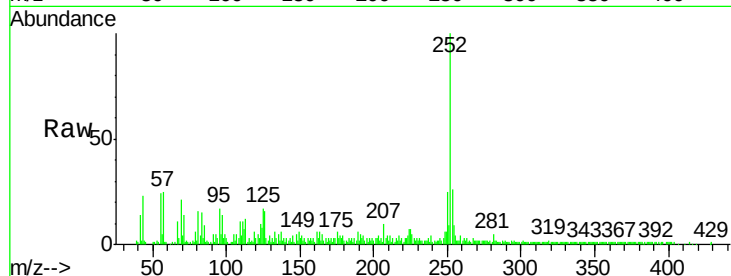




#88
Benzo(b)fluoranthene
Concen: 6.922 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF121145.D
Acq: 30 Jul 2020 23:55

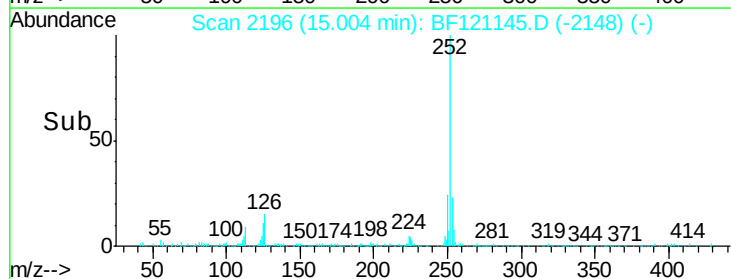
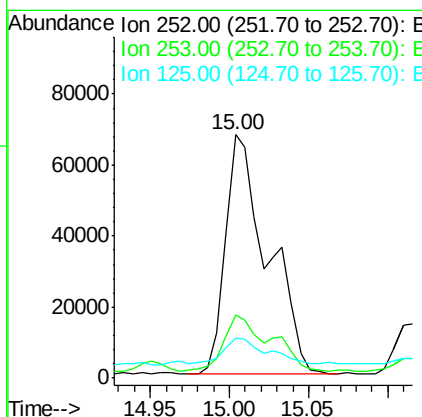
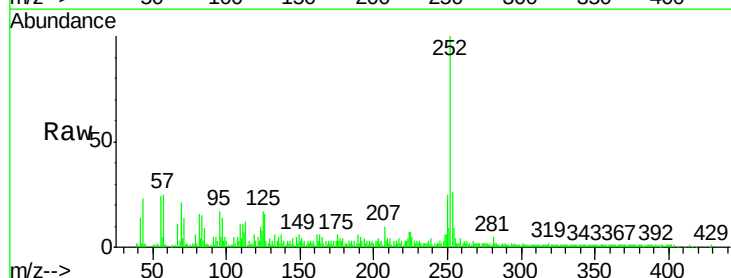
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-015-B

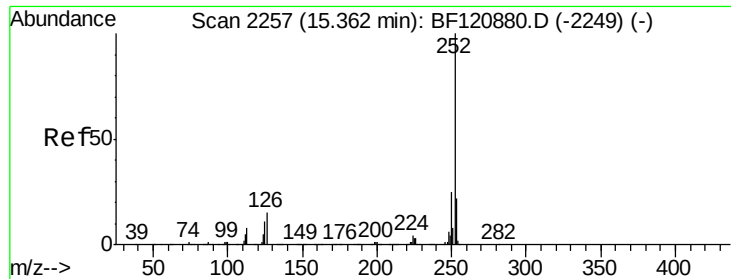
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	16.7	8.1	12.1



#89
Benzo(k)fluoranthene
Concen: 7.590 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF121145.D
Acq: 30 Jul 2020 23:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	16.7	8.0	12.0





#90

Benzo(a)pyrene

Concen: 3.894 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.02 min

Lab File: BF121145.D

Acq: 30 Jul 2020 23:55

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-015-B

Tot Ion:252 Resp: 64354

Ion Ratio Lower Upper

252 100

253 25.1 18.0 27.0

125 17.2 9.5 14.3#

