

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121144.D
 Acq On : 30 Jul 2020 23:24
 Operator : JU/CG
 Sample : L3451-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jul 31 00:35:14 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	127885	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	476955	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	230127	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	396615	20.00	ng	0.00
76) Chrysene-d12	13.97	240	352168	20.00	ng	0.01
86) Perylene-d12	15.43	264	290658	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	164659	21.11	ng	0.00
7) Phenol-d6	6.43	99	202943	20.14	ng	-0.01
23) Nitrobenzene-d5	7.36	82	109996	13.34	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	42073	16.70	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	239536	15.54	ng	0.00
79) Terphenyl-d14	12.91	244	227741	14.06	ng	0.00

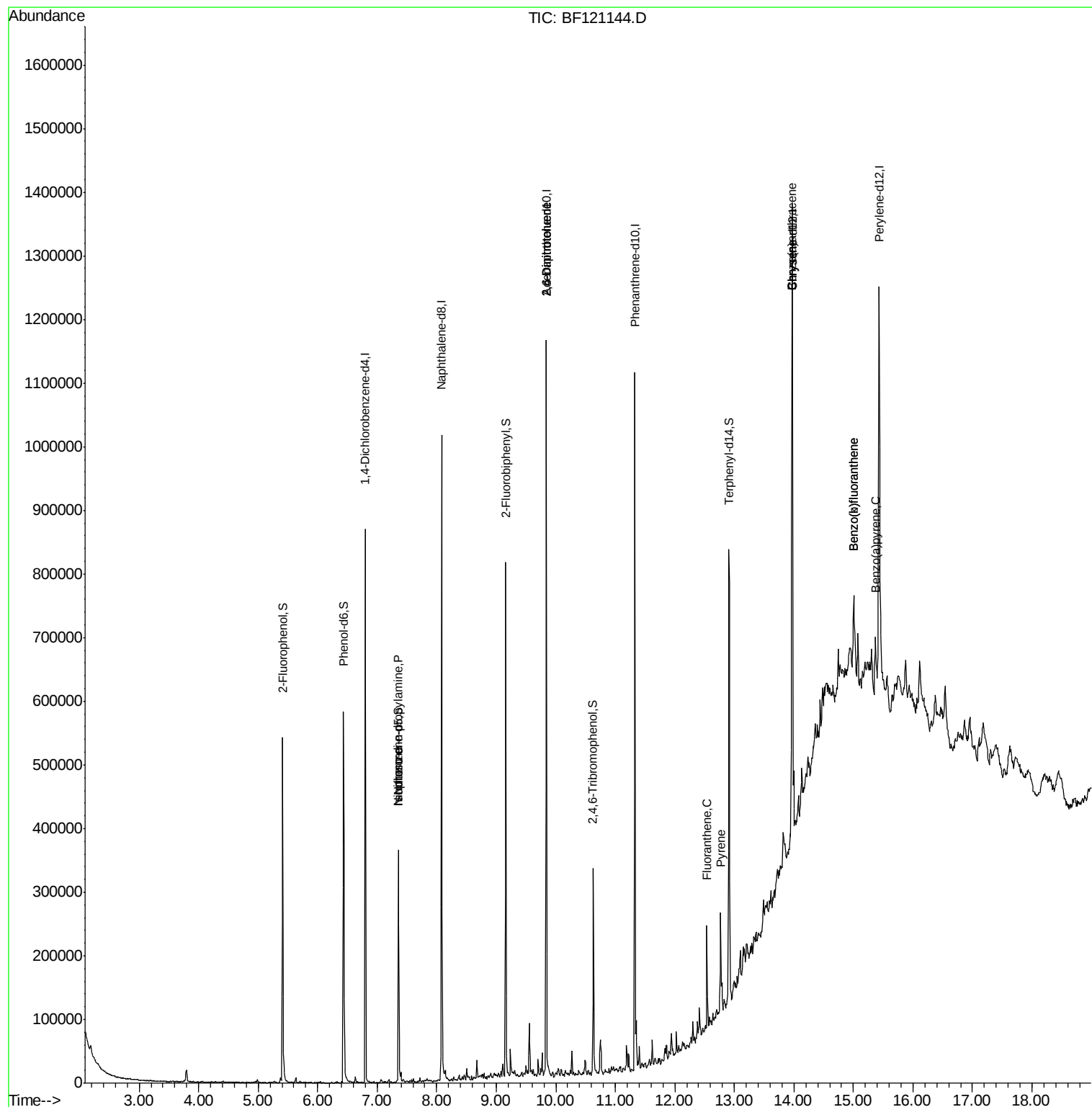
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	146	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	14223	2.482	ng	# 80
25) Isophorone	7.36	82	104843	6.373	ng	# 62
51) 2,6-Dinitrotoluene	9.84	165	29302	8.215	ng	# 27
57) 2,4-Dinitrotoluene	9.84	165	29302	6.256	ng	# 30
75) Fluoranthene	12.54	202	69777	3.086	ng	98
78) Pyrene	12.77	202	69137	2.777	ng	99
81) Benzo(a)anthracene	13.96	228	48507	2.275	ng	94
83) Chrysene	13.96	228	48507	2.164	ng	98
88) Benzo(b)fluoranthene	15.01	252	78593	4.473	ng	# 82
89) Benzo(k)fluoranthene	15.01	252	78593	4.905	ng	# 82
90) Benzo(a)pyrene	15.37	252	39269	2.450	ng	# 79

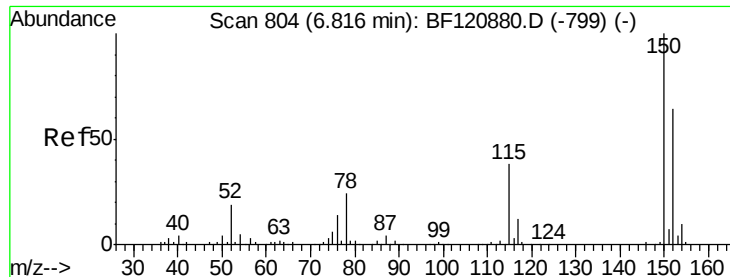
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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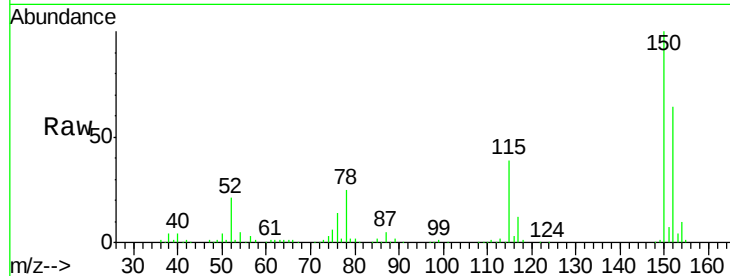


#1

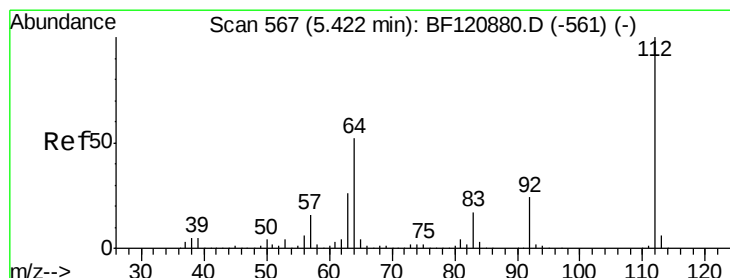
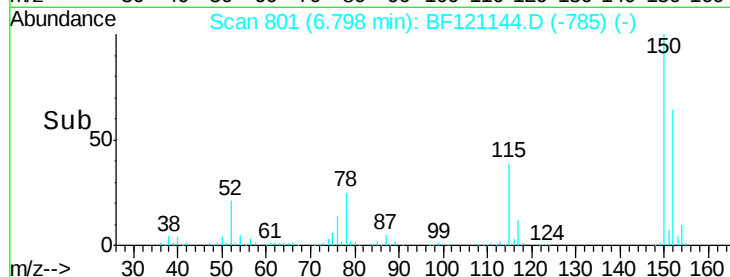
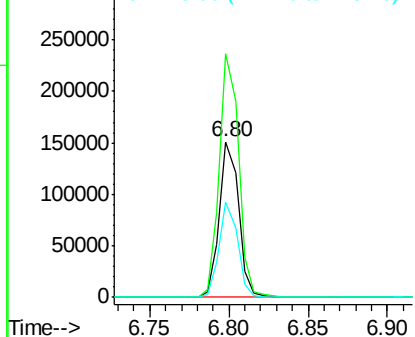
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121144.D
Acq: 30 Jul 2020 23:24

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

Tot Ion:152 Resp: 127885
Ion Ratio Lower Upper
152 100
150 156.6 125.6 188.4
115 61.1 46.2 69.2



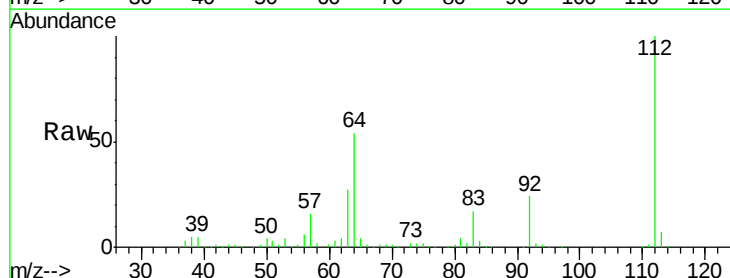
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



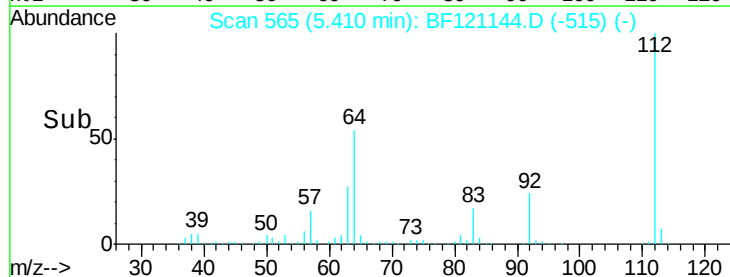
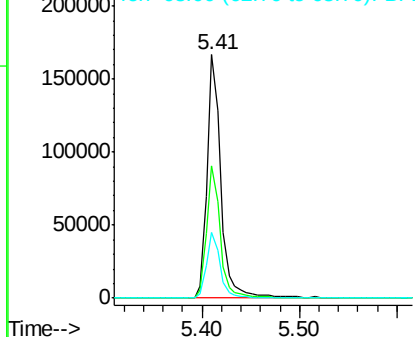
#5

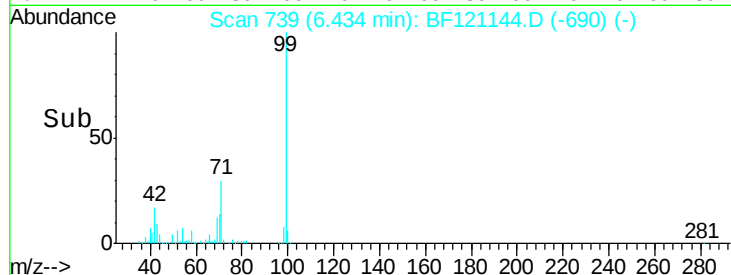
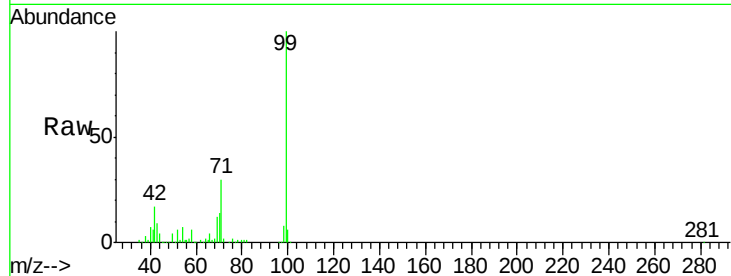
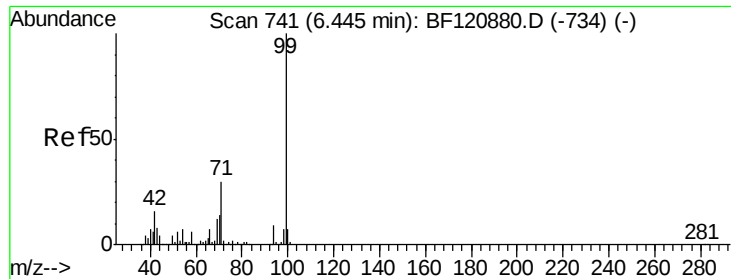
2-Fluorophenol
Concen: 21.108 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121144.D
Acq: 30 Jul 2020 23:24

Tgt Ion:112 Resp: 164659
Ion Ratio Lower Upper
112 100
64 54.3 43.9 65.9
63 27.0 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: 20.140 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-015-A

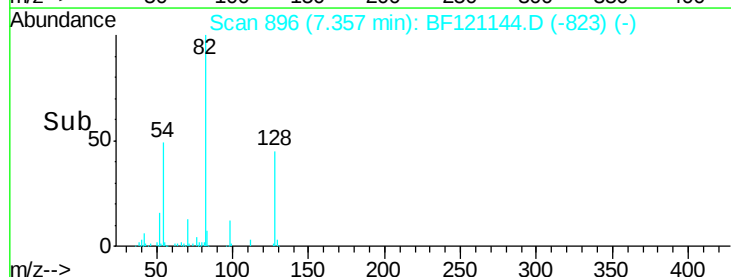
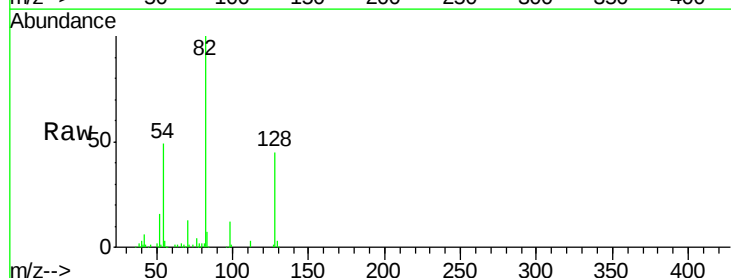
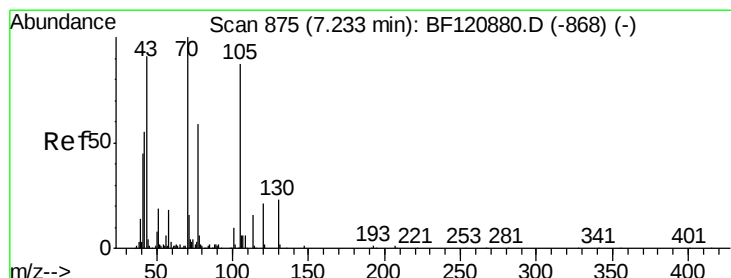
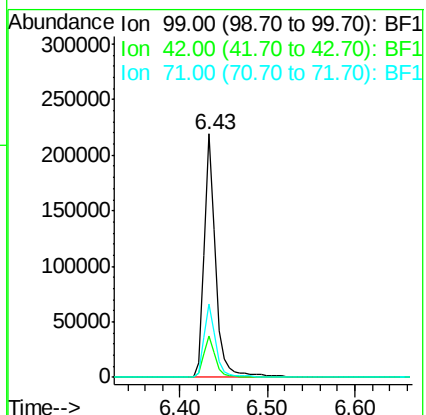
Tot Ion: 99 Resp: 202943

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

71 30.1 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 2.482 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

Tgt Ion: 70 Resp: 14223

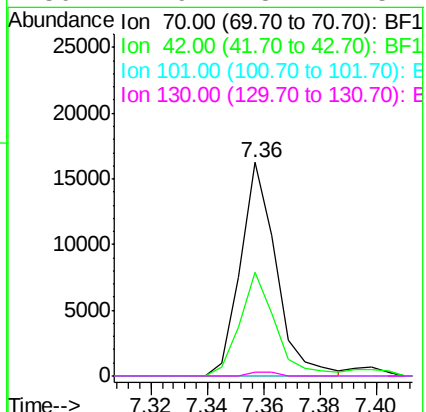
Ion Ratio Lower Upper

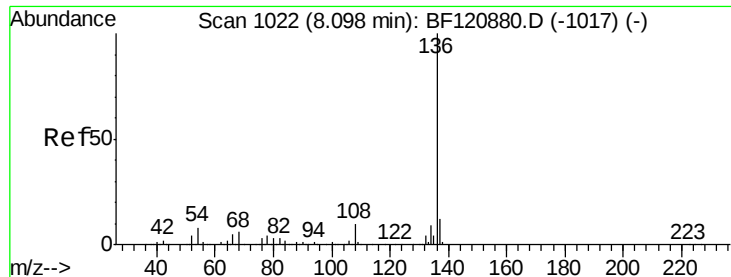
70 100

42 48.4 43.3 64.9

101 0.0 8.4 12.6#

130 1.9 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-015-A

Tot Ion:136 Resp: 476955

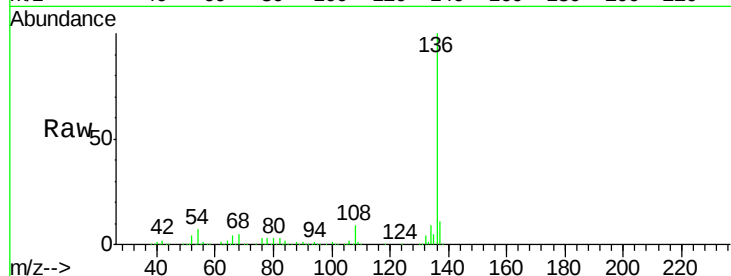
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.6 6.1 9.1

68 5.5 5.0 7.6

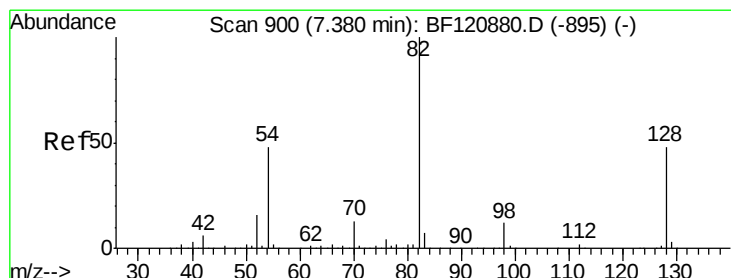
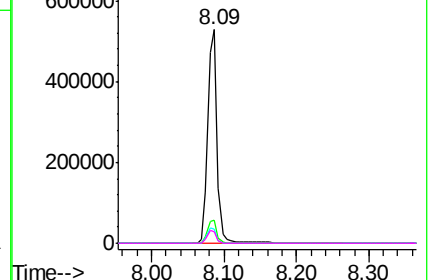
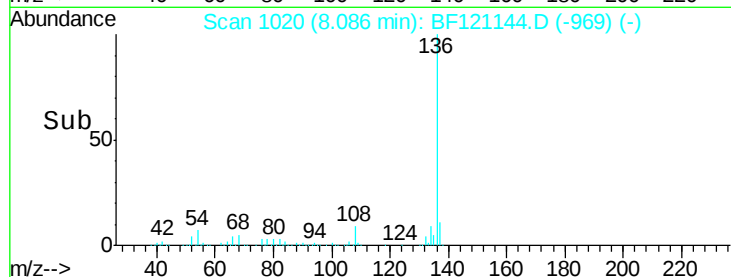


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.344 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

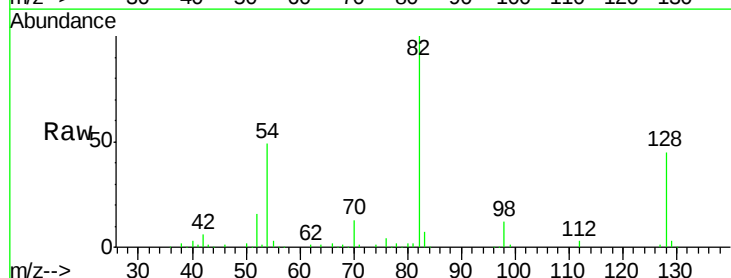
Tgt Ion: 82 Resp: 109996

Ion Ratio Lower Upper

82 100

128 44.6 39.2 58.8

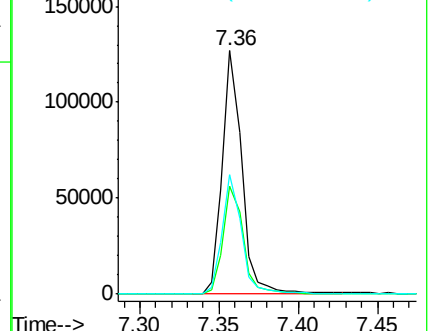
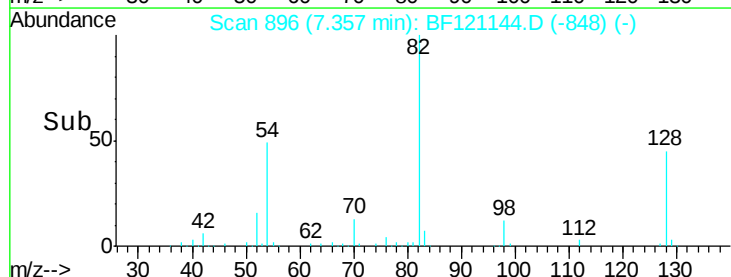
54 49.0 37.8 56.8

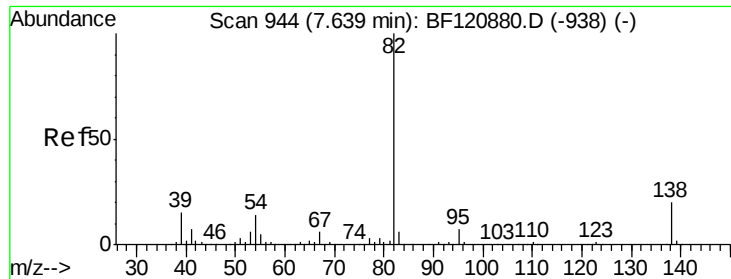


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.373 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-015-A

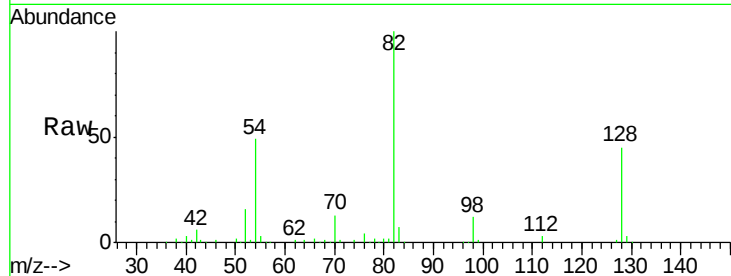
Tot Ion: 82 Resp: 104843

Ion Ratio Lower Upper

82 100

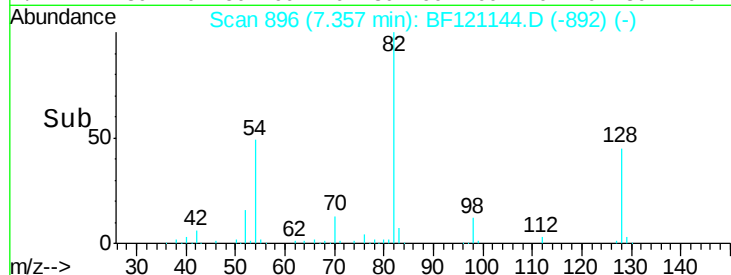
95 0.0 5.5 8.3#

138 0.0 16.2 24.2#

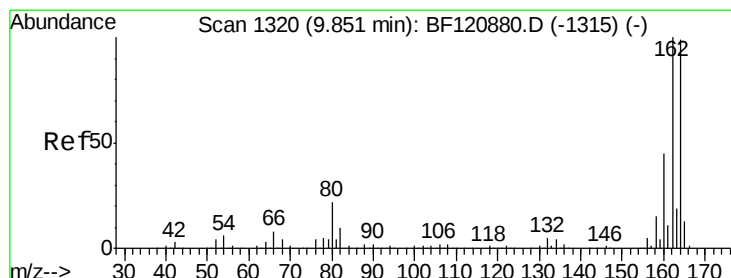


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

7.36



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

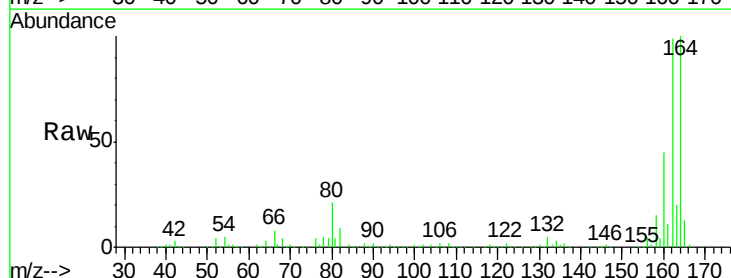
Tgt Ion: 164 Resp: 230127

Ion Ratio Lower Upper

164 100

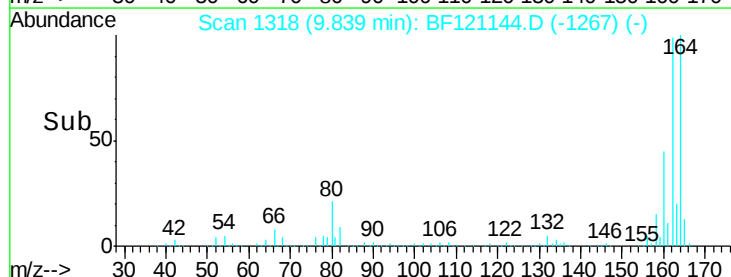
162 98.7 82.2 123.2

160 44.5 37.2 55.8

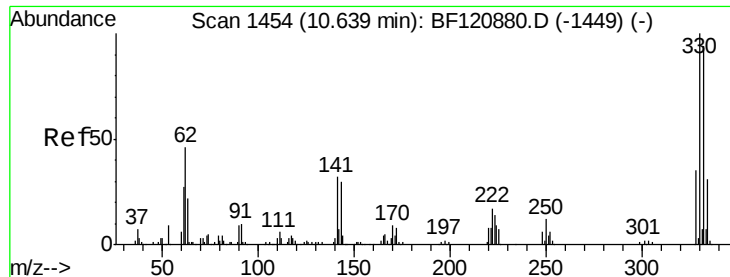


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

9.84



Time-->



#42

2,4,6-Tribromophenol

Concen: 16.702 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-015-A

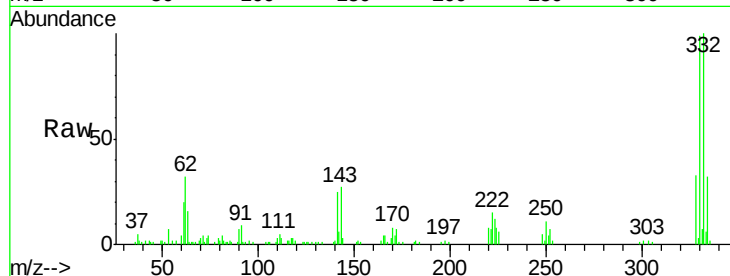
Tot Ion:330 Resp: 42073

Ion Ratio Lower Upper

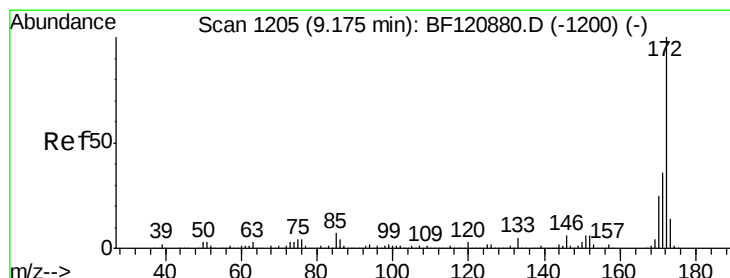
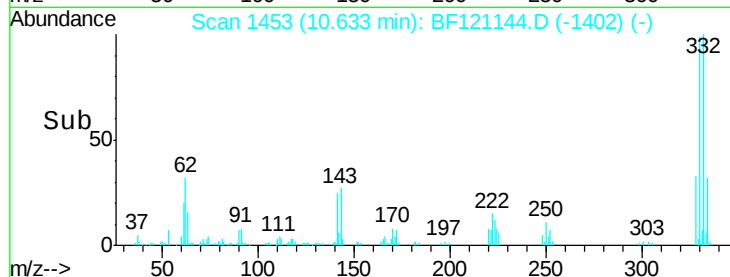
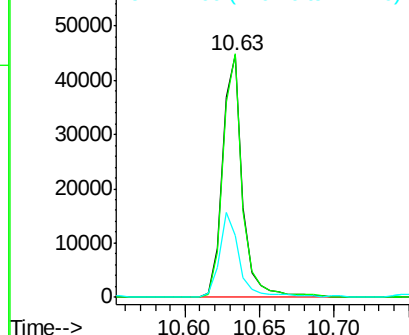
330 100

332 98.1 76.1 114.1

141 35.1 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: 15.541 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

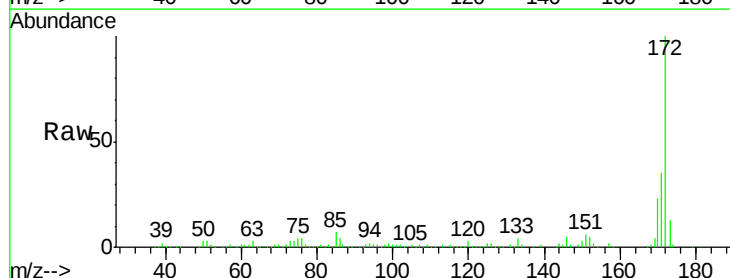
Tgt Ion:172 Resp: 239536

Ion Ratio Lower Upper

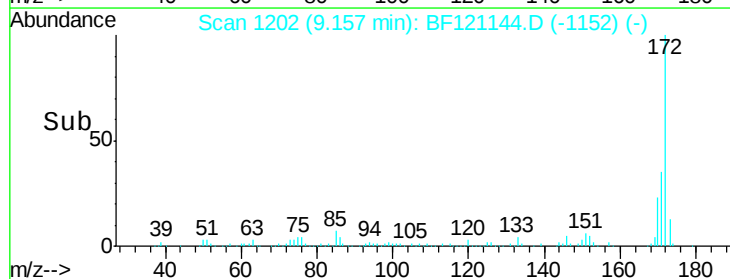
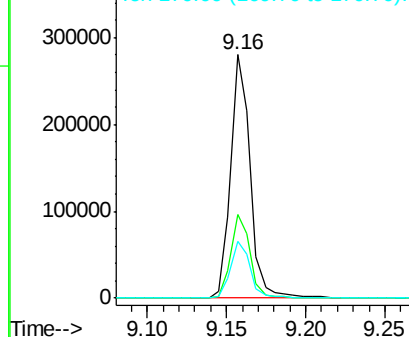
172 100

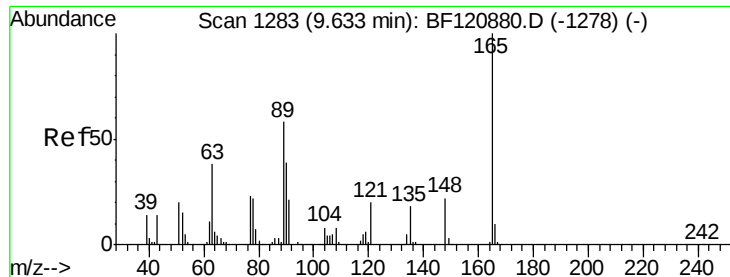
171 34.6 29.0 43.4

170 23.5 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: 8.215 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

Instrument :

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FK-GF-03-015-A

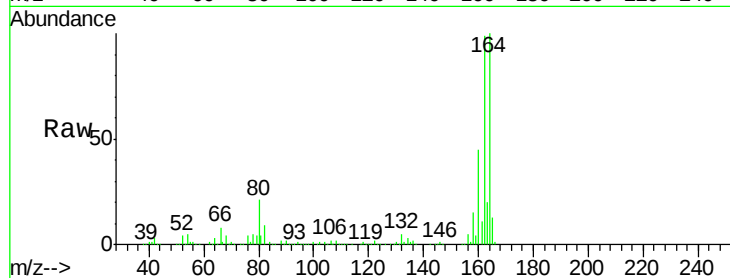
Tot Ion:165 Resp: 29302

Ion Ratio Lower Upper

165 100

63 1.2 41.1 61.7#

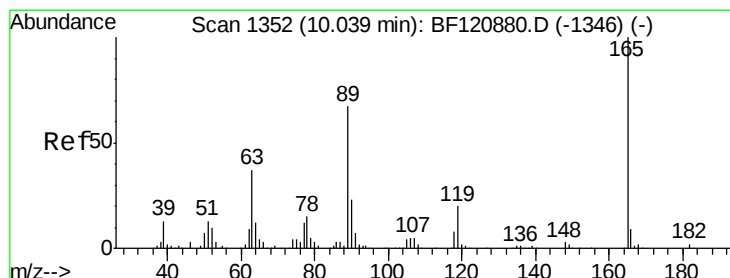
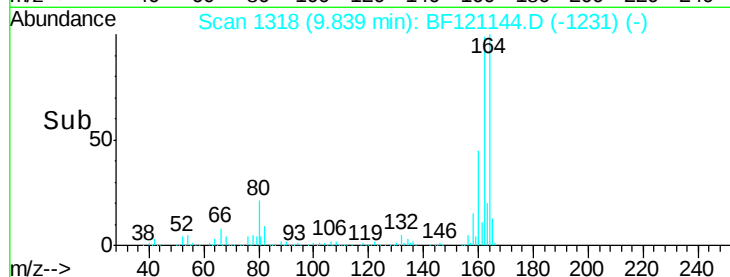
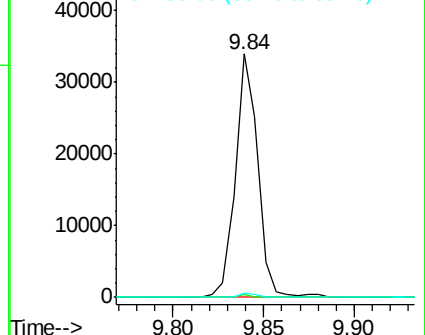
89 1.7 43.5 65.3#



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



#57

2,4-Dinitrotoluene

Concen: 6.256 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.19 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

Tgt Ion:165 Resp: 29302

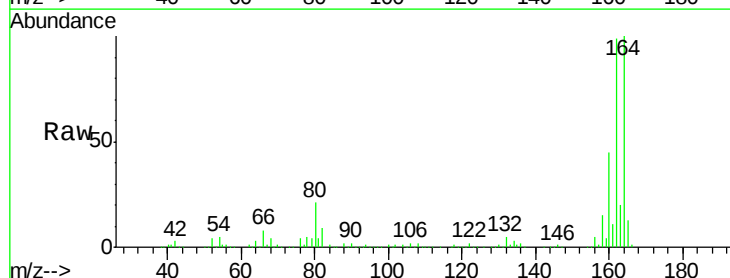
Ion Ratio Lower Upper

165 100

63 1.2 29.8 44.8#

89 1.7 50.3 75.5#

182 0.0 2.1 3.1#

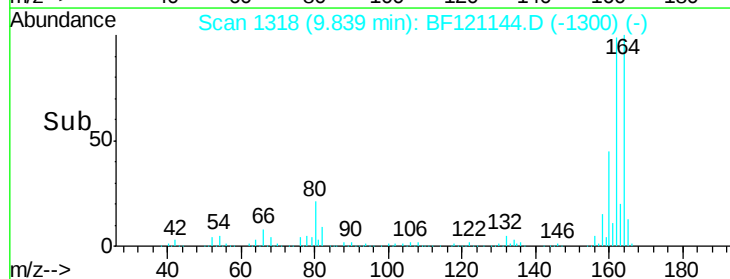
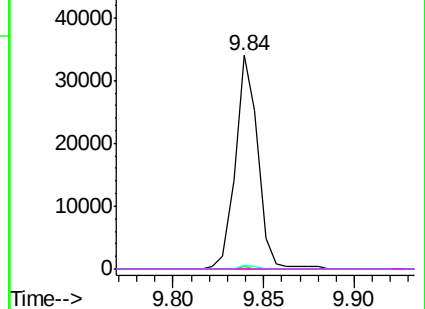


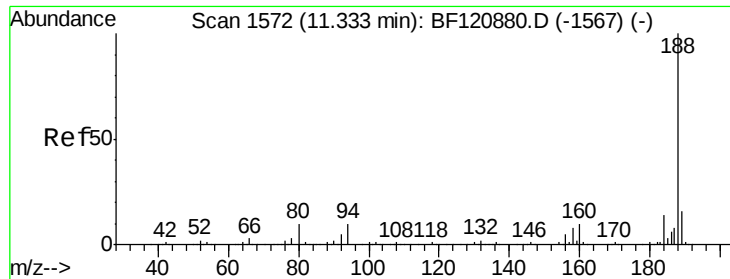
Abundance Ion 165.00 (164.70 to 165.70): E

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

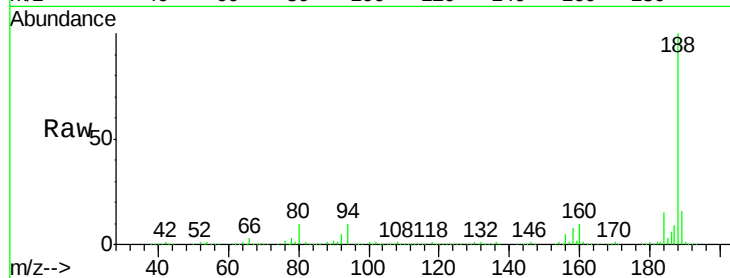




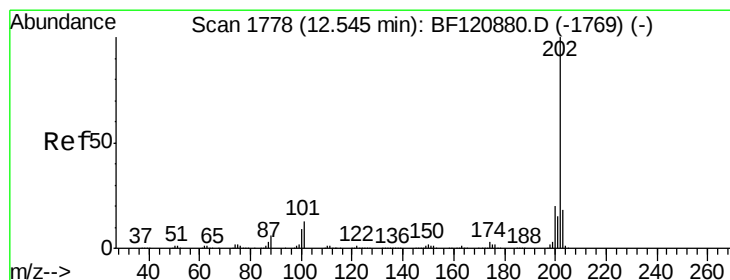
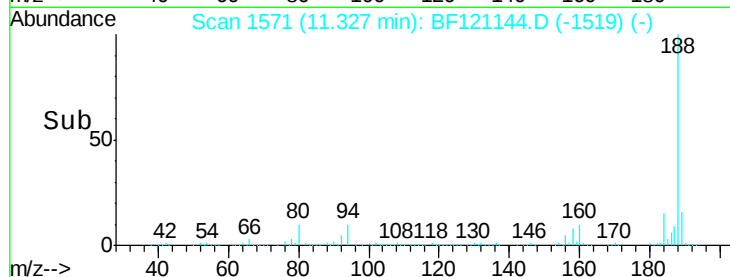
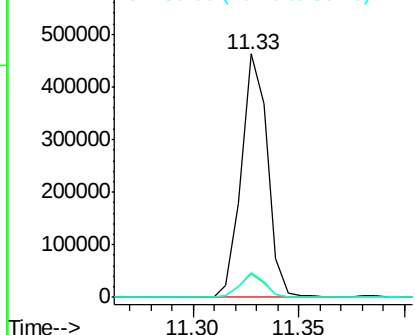
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF121144.D
Acq: 30 Jul 2020 23:24

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

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.0	12.0
80	10.0	8.3	12.5

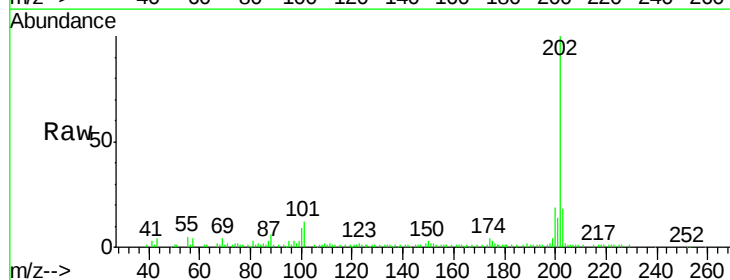


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

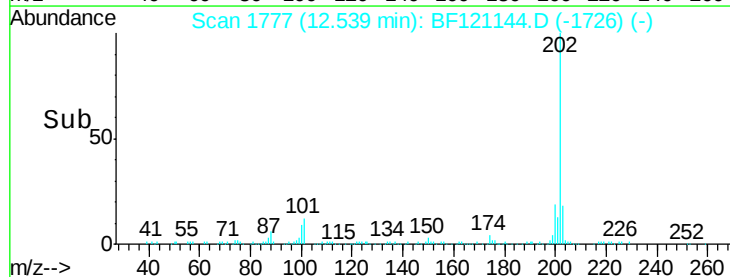
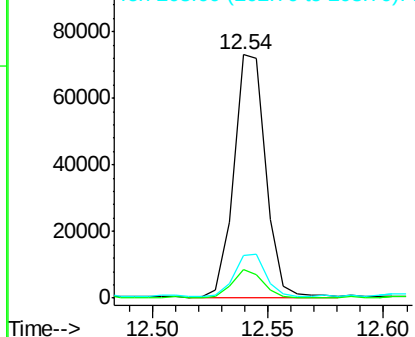


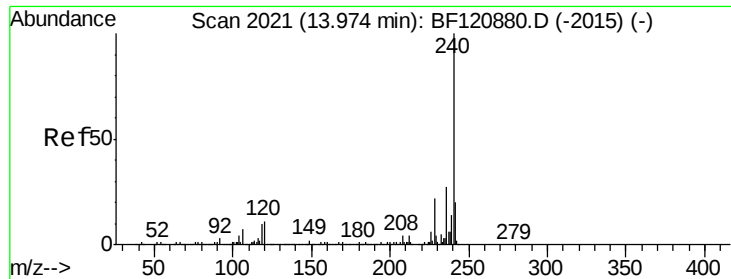
#75
Fluoranthene
Concen: 3.086 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.00 min
Lab File: BF121144.D
Acq: 30 Jul 2020 23:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	30.5
203	17.6	0.0	37.7



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

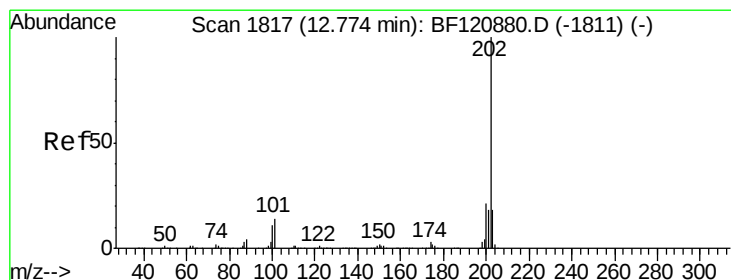
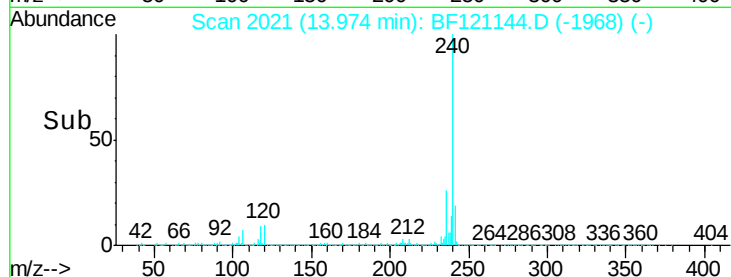
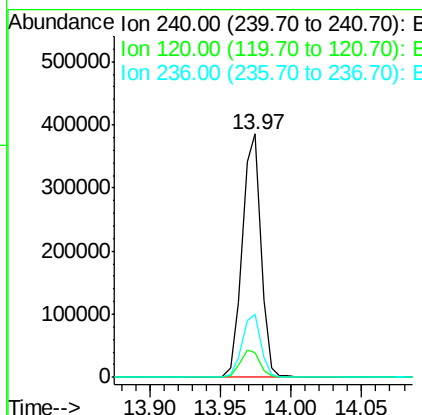
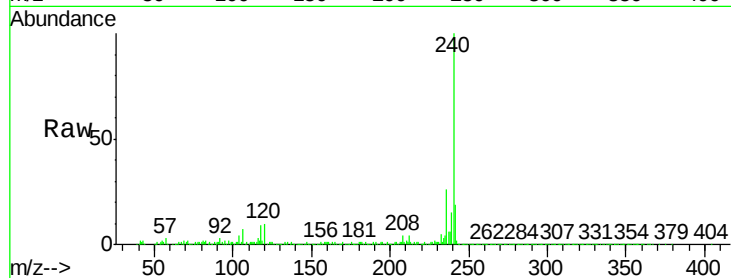




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF121144.D
Acq: 30 Jul 2020 23:24

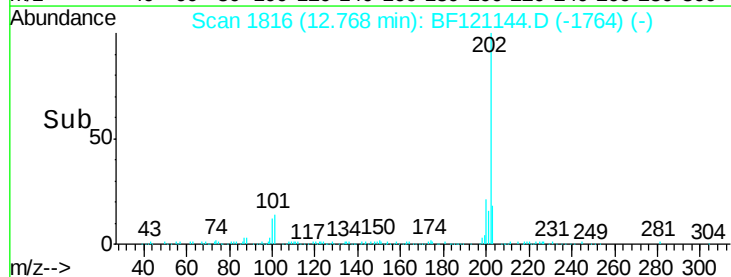
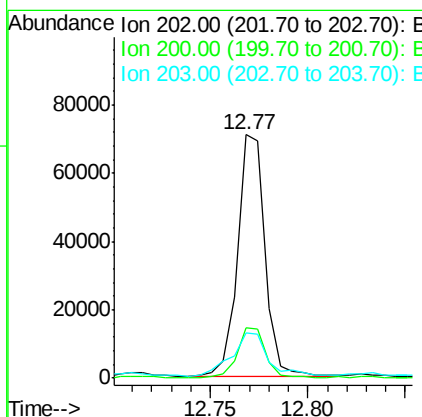
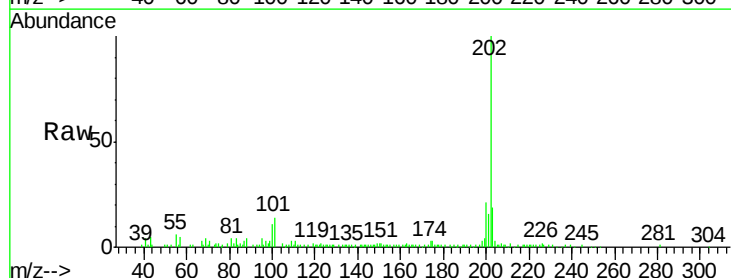
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-015-A

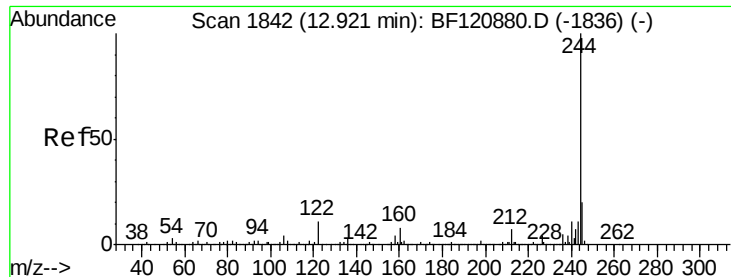
Tot Ion:240 Resp: 352168
Ion Ratio Lower Upper
240 100
120 10.4 9.3 13.9
236 25.7 21.1 31.7



#78
Pyrene
Concen: 2.777 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121144.D
Acq: 30 Jul 2020 23:24

Tgt Ion:202 Resp: 69137
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 18.8 14.6 21.8

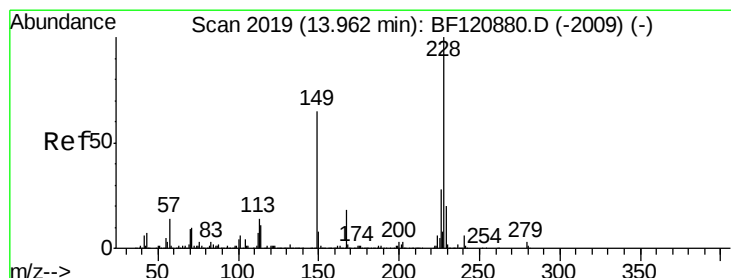
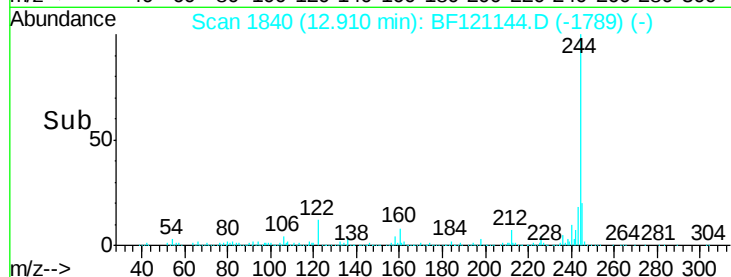
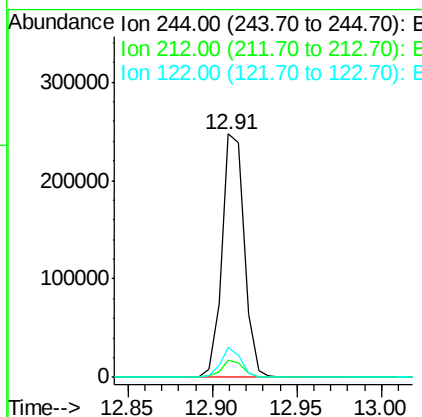
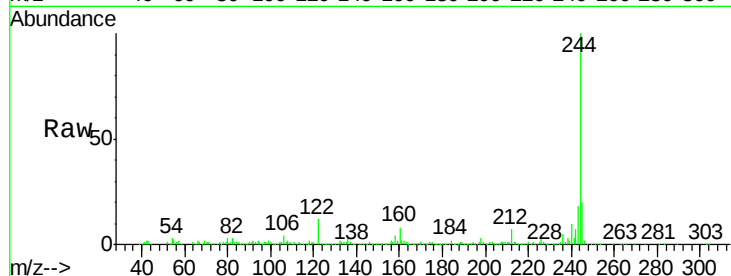




#79
 Terphenyl-d14
 Concen: 14.057 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF121144.D
 Acq: 30 Jul 2020 23:24

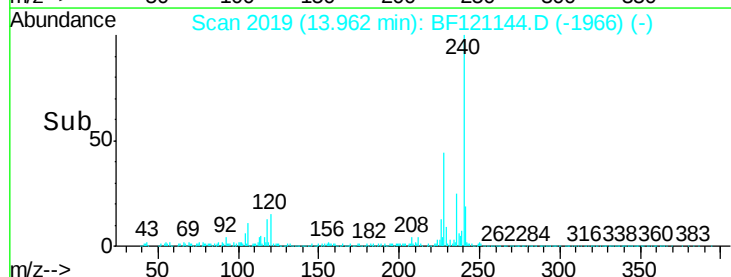
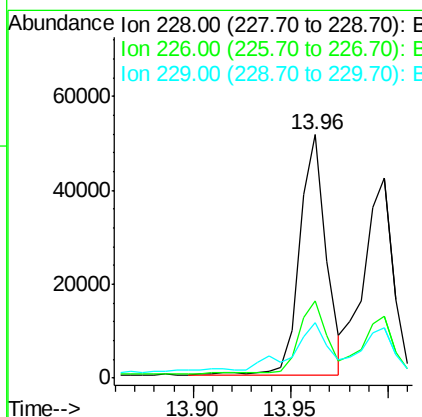
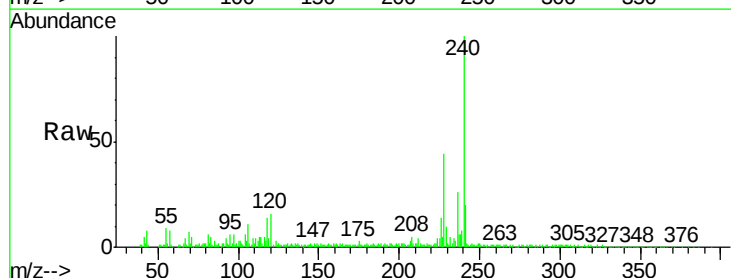
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-015-A

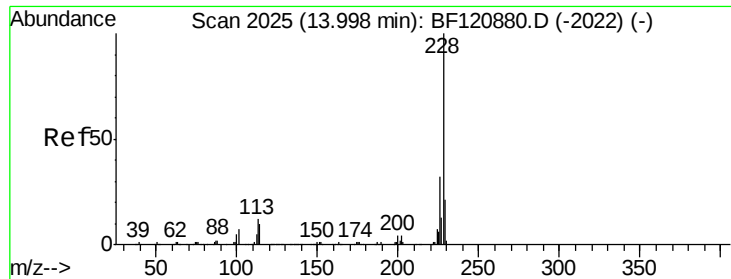
Tot Ion:244 Resp: 227741
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 12.1 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.275 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF121144.D
 Acq: 30 Jul 2020 23:24

Tgt Ion:228 Resp: 48507
 Ion Ratio Lower Upper
 228 100
 226 31.6 22.6 34.0
 229 22.8 16.1 24.1





#83

Chrysene

Concen: 2.164 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.03 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-015-A

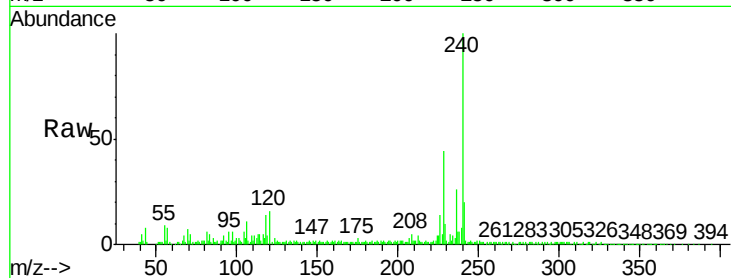
Tot Ion:228 Resp: 48507

Ion Ratio Lower Upper

228 100

226 31.6 25.4 38.0

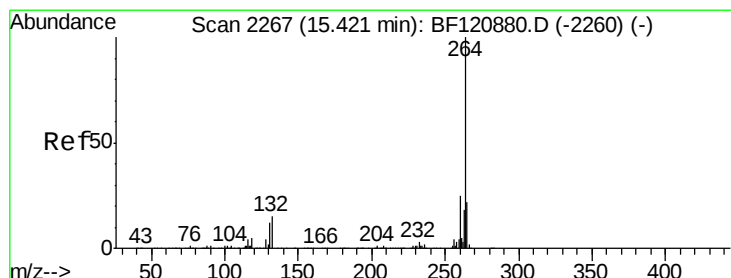
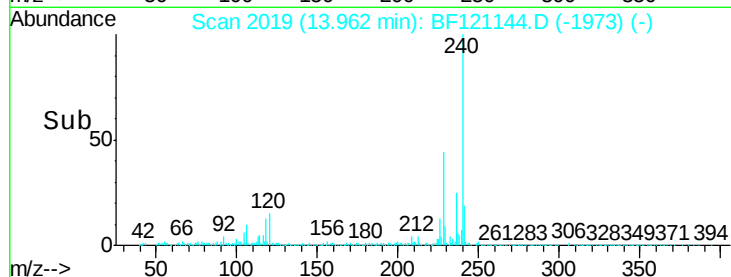
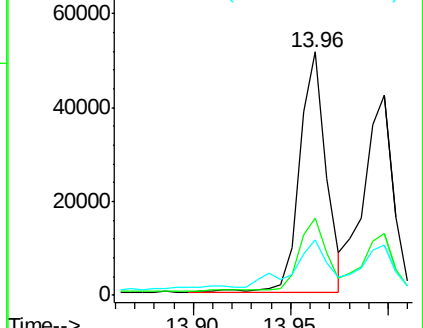
229 22.8 16.2 24.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.03 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

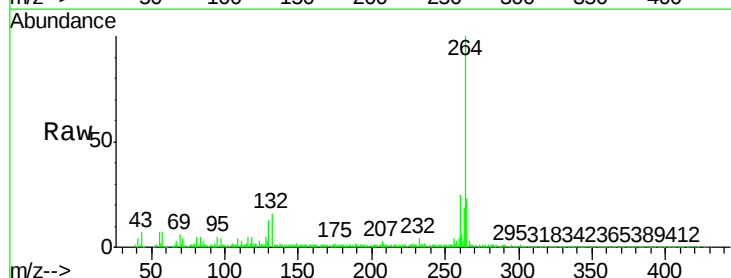
Tgt Ion:264 Resp: 290658

Ion Ratio Lower Upper

264 100

260 25.1 19.9 29.9

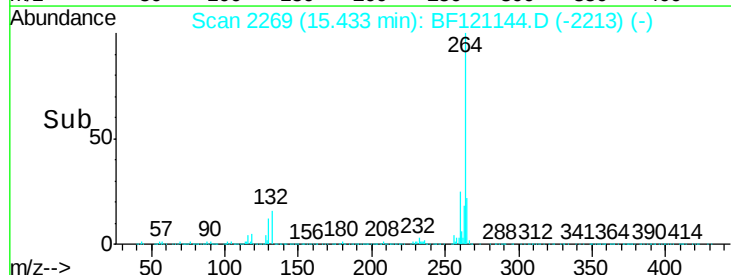
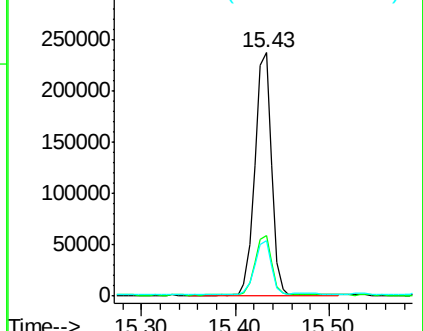
265 22.5 17.8 26.8

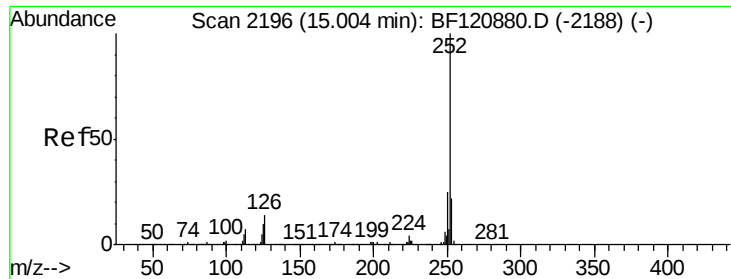


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 4.473 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-015-A

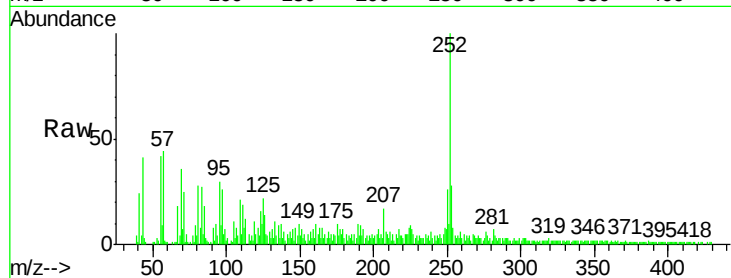
Tot Ion:252 Resp: 78593

Ion Ratio Lower Upper

252 100

253 27.7 17.9 26.9#

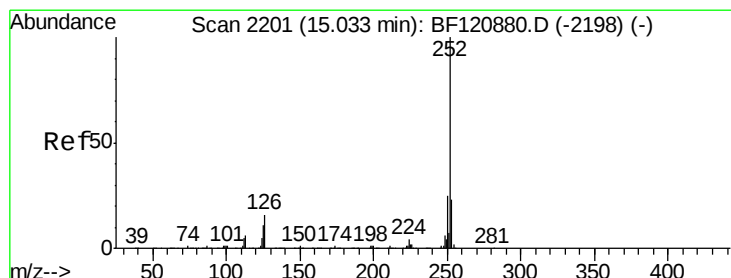
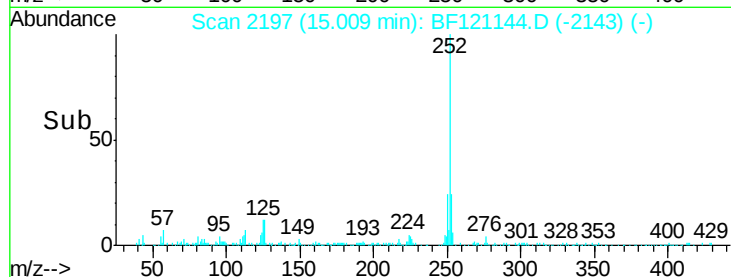
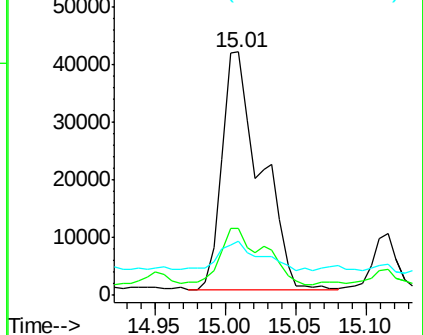
125 22.3 8.1 12.1#



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: 4.905 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

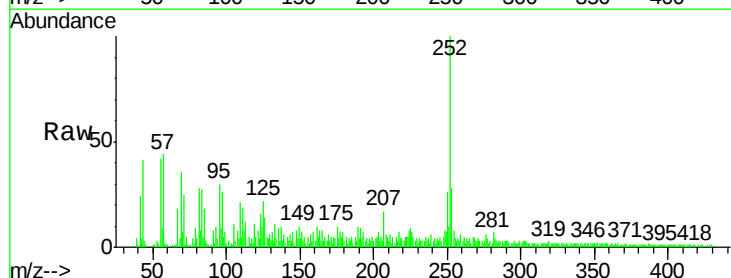
Tgt Ion:252 Resp: 78593

Ion Ratio Lower Upper

252 100

253 27.7 18.1 27.1#

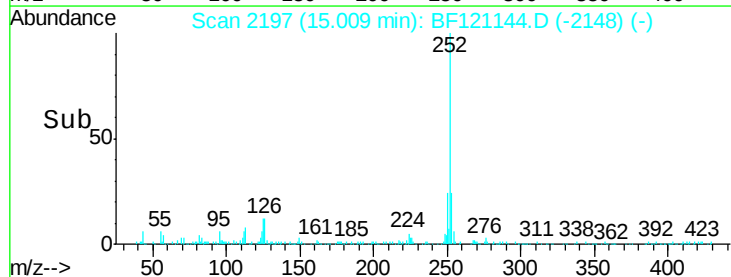
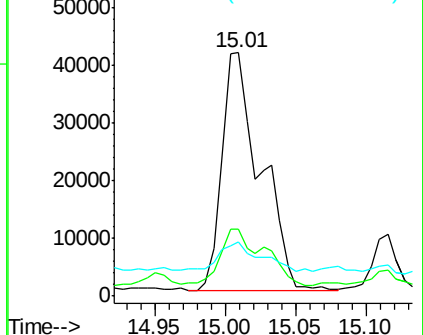
125 22.3 8.0 12.0#

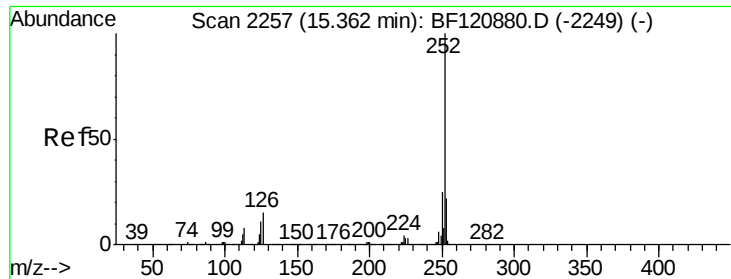


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.450 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.02 min

Lab File: BF121144.D

Acq: 30 Jul 2020 23:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-015-A

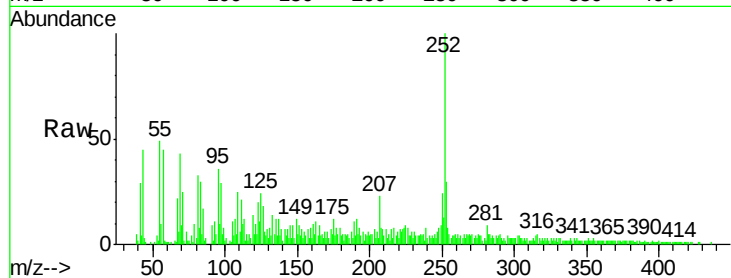
Tot Ion:252 Resp: 39269

Ion Ratio Lower Upper

252 100

253 30.1 18.0 27.0#

125 23.9 9.5 14.3#



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

