

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121136.D
 Acq On : 30 Jul 2020 19:16
 Operator : JU/CG
 Sample : L3449-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-059-B

Quant Time: Jul 31 00:31:24 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	151741	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	584620	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	300530	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	556409	20.00	ng	0.00
76) Chrysene-d12	13.96	240	370578	20.00	ng	0.00
86) Perylene-d12	15.42	264	404452	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	361846	39.09	ng	-0.01
7) Phenol-d6	6.43	99	459764	38.45	ng	-0.02
23) Nitrobenzene-d5	7.36	82	275486	27.27	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	102115	31.04	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	561422	27.89	ng	0.00
79) Terphenyl-d14	12.91	244	542072	31.80	ng	0.00

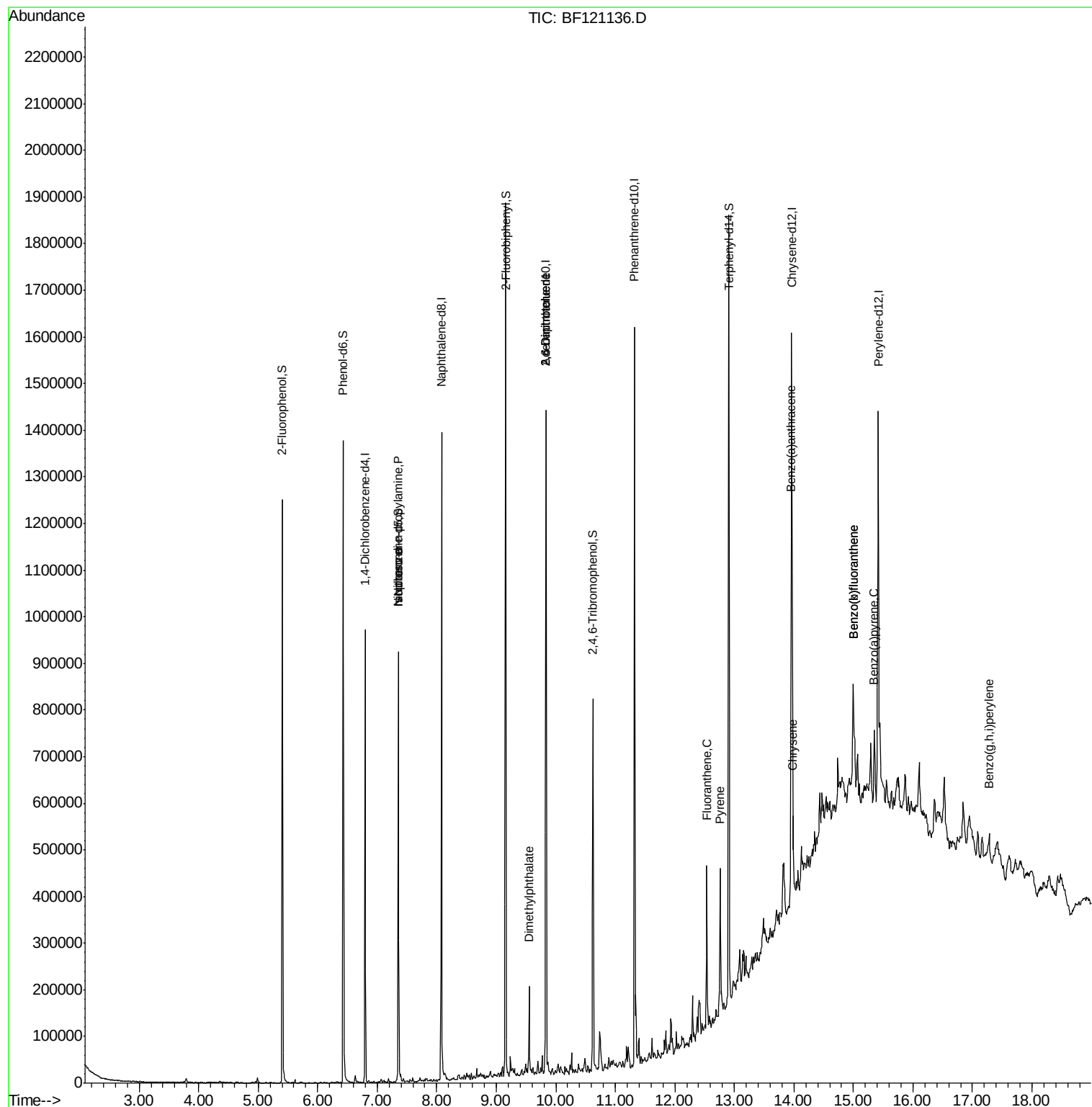
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	628	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	35649	5.243	ng	# 77
25) Isophorone	7.36	82	269997	13.390	ng	# 62
50) Dimethylphthalate	9.55	163	65768	3.033	ng	# 99
51) 2,6-Dinitrotoluene	9.83	165	40184	8.627	ng	# 27
57) 2,4-Dinitrotoluene	9.83	165	40184	6.569	ng	# 29
75) Fluoranthene	12.53	202	139306	4.392	ng	# 98
78) Pyrene	12.76	202	129595	4.946	ng	# 99
81) Benzo(a)anthracene	13.95	228	81843	3.647	ng	# 97
83) Chrysene	13.99	228	67968	2.882	ng	# 96
88) Benzo(b)fluoranthene	14.99	252	145860	5.966	ng	# 93
89) Benzo(k)fluoranthene	14.99	252	145860	6.542	ng	# 93
90) Benzo(a)pyrene	15.35	252	80520	3.610	ng	# 94
92) Benzo(a,h,i)perylene	17.28	276	46647	2.059	ng	# 94

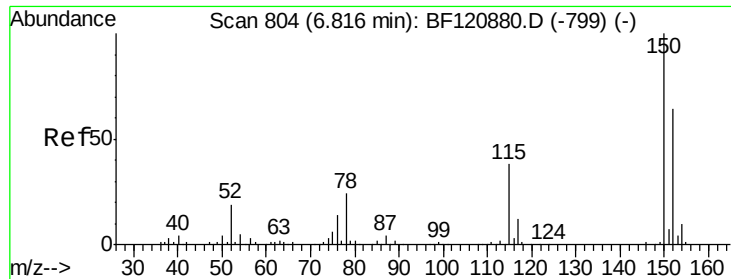
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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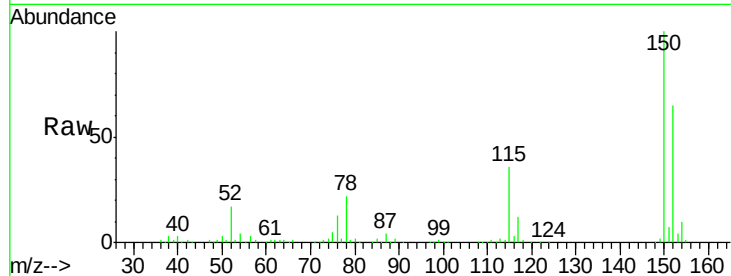


#1

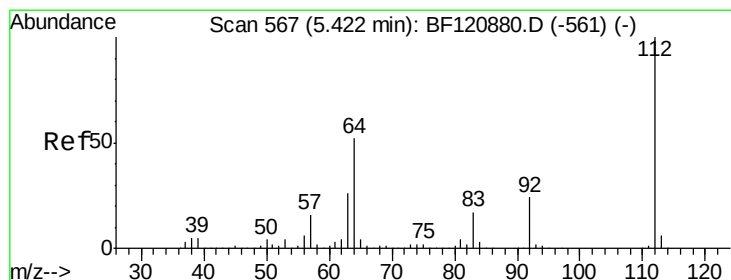
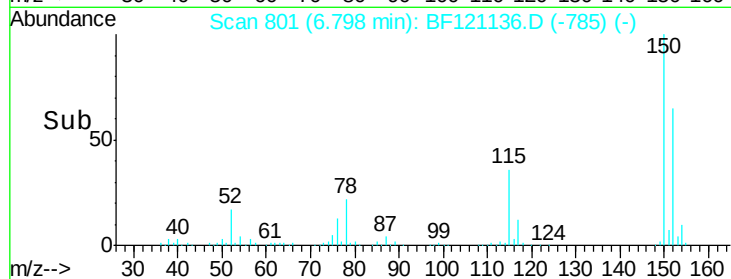
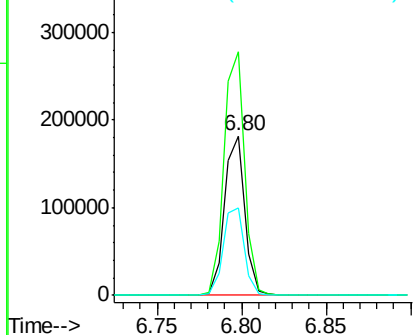
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121136.D
Acq: 30 Jul 2020 19:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-059-B

Tot Ion:152 Resp: 151741
Ion Ratio Lower Upper
152 100
150 153.0 125.6 188.4
115 54.8 46.2 69.2



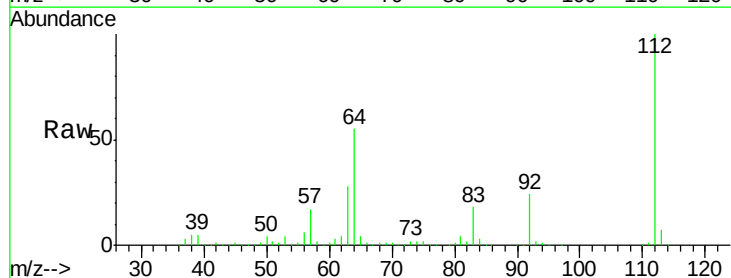
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



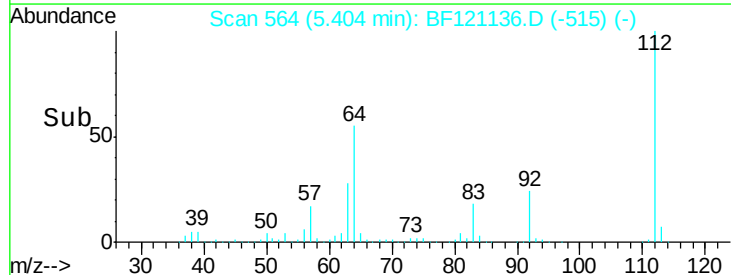
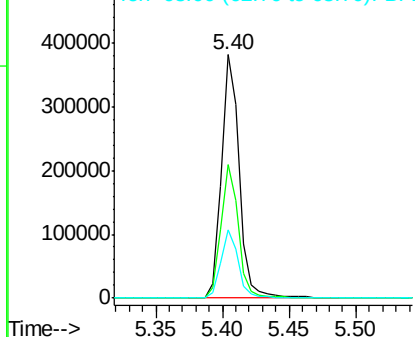
#5

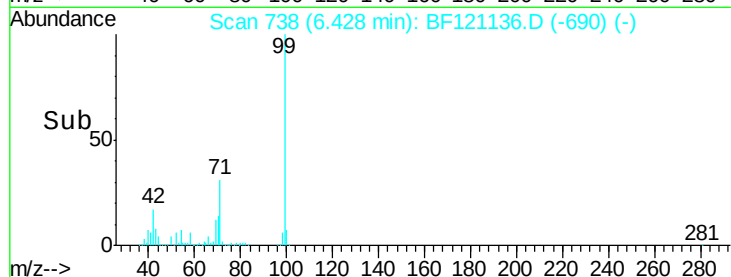
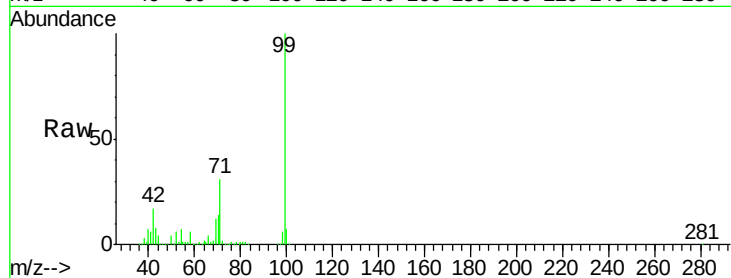
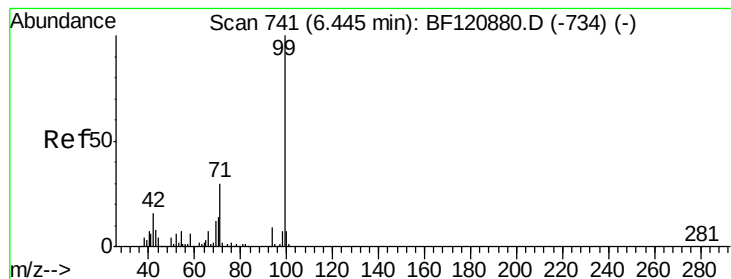
2-Fluorophenol
Concen: 39.093 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF121136.D
Acq: 30 Jul 2020 19:16

Tgt Ion:112 Resp: 361846
Ion Ratio Lower Upper
112 100
64 54.7 43.9 65.9
63 27.9 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: 38.453 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121136.D

Acq: 30 Jul 2020 19:16

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-059-B

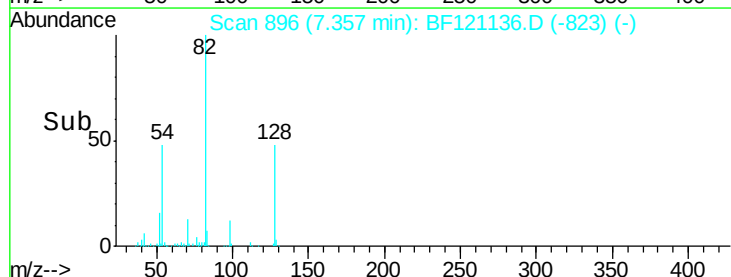
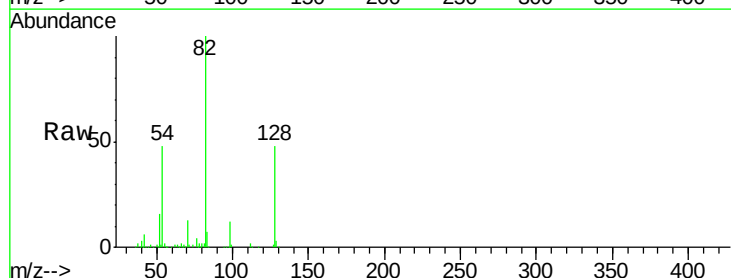
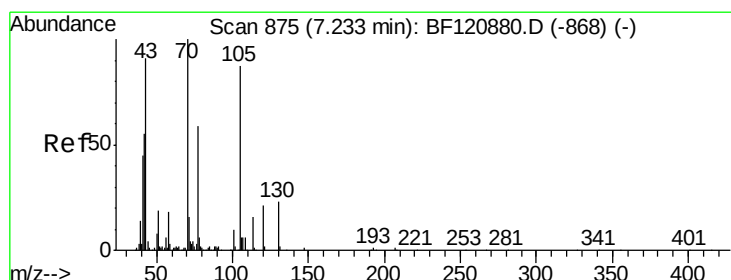
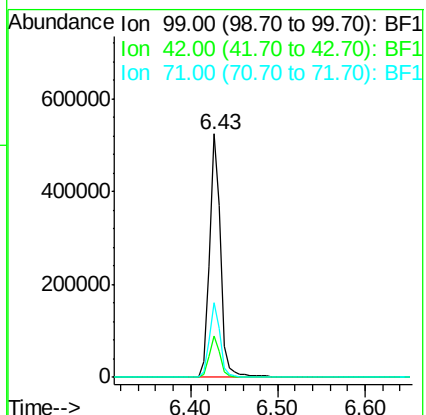
Tot Ion: 99 Resp: 459764

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

71 30.6 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 5.243 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121136.D

Acq: 30 Jul 2020 19:16

Tgt Ion: 70 Resp: 35649

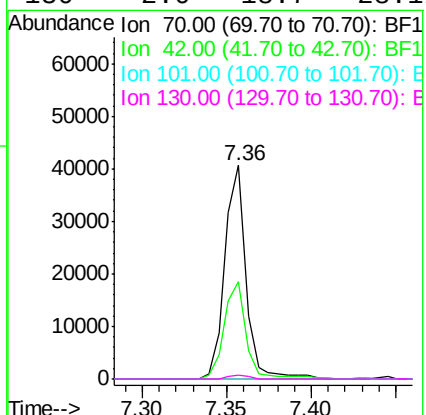
Ion Ratio Lower Upper

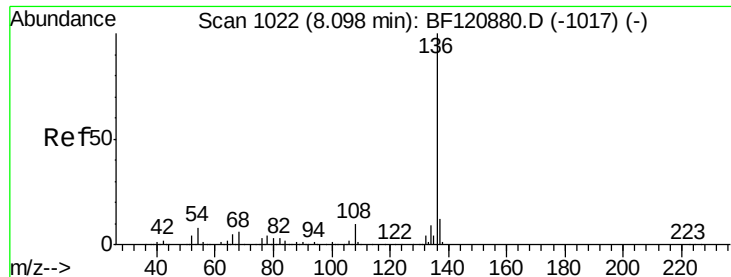
70 100

42 45.3 43.3 64.9

101 0.0 8.4 12.6#

130 2.0 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: BF121136.D

Acq: 30 Jul 2020 19:16

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-059-B

Tot Ion:136 Resp: 584620

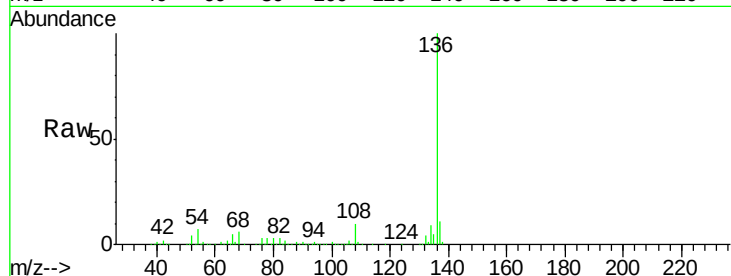
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 6.9 6.1 9.1

68 5.9 5.0 7.6

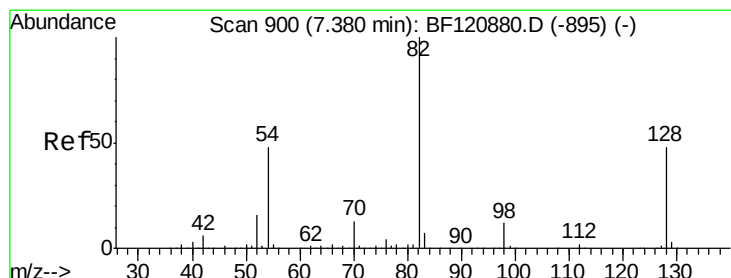
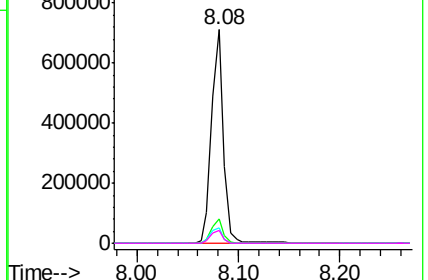
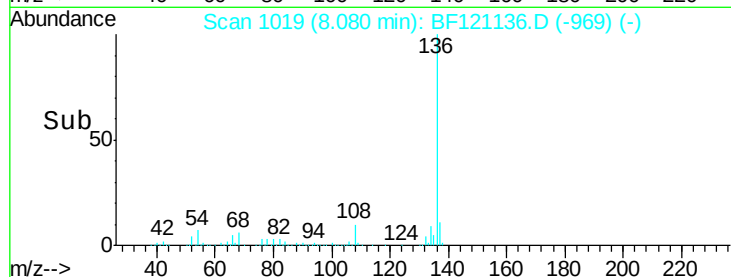


Abundance Ion 136.00 (135.70 to 136.70): E

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: 27.266 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121136.D

Acq: 30 Jul 2020 19:16

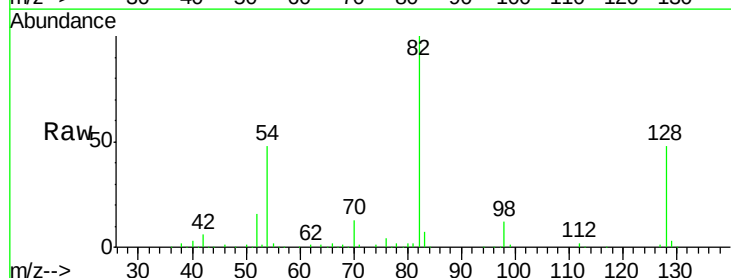
Tgt Ion: 82 Resp: 275486

Ion Ratio Lower Upper

82 100

128 47.8 39.2 58.8

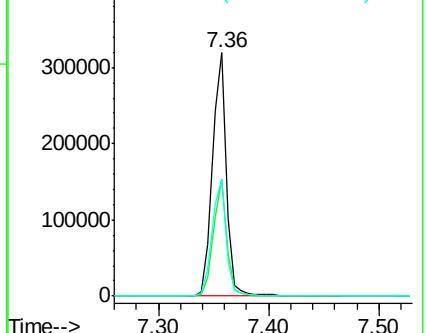
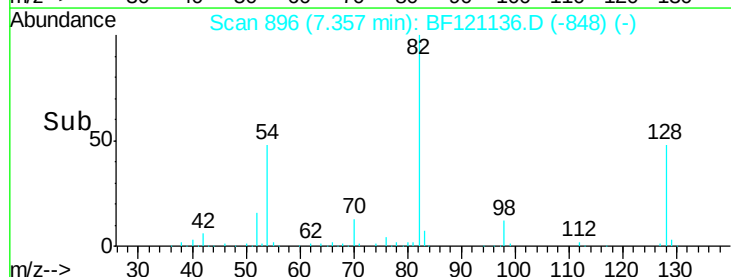
54 48.0 37.8 56.8

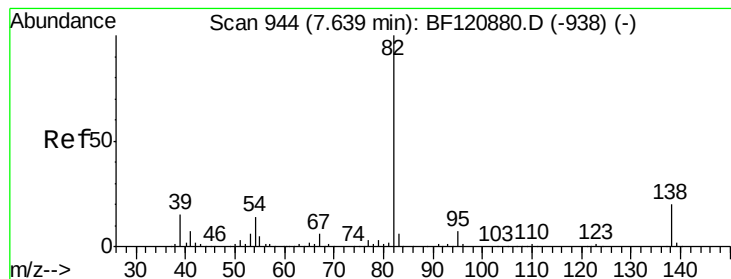


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 13.390 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121136.D

Acq: 30 Jul 2020 19:16

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-059-B

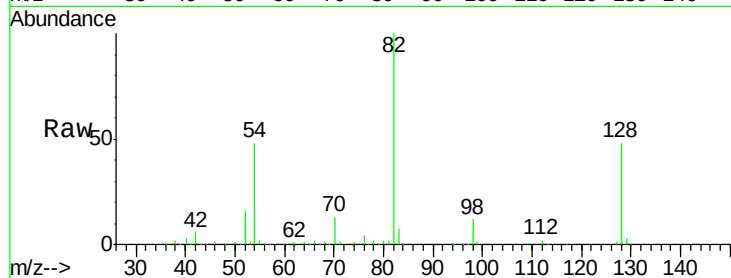
Tot Ion: 82 Resp: 269997

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

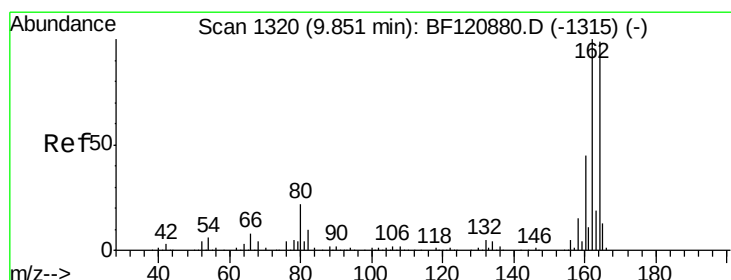
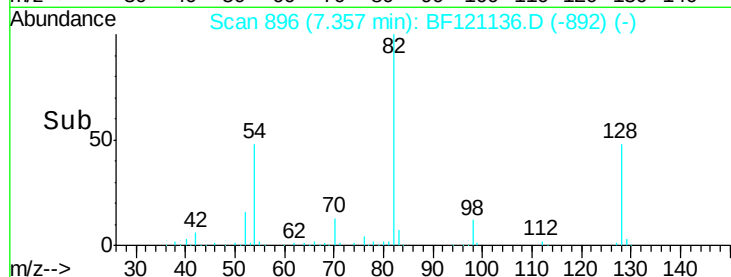
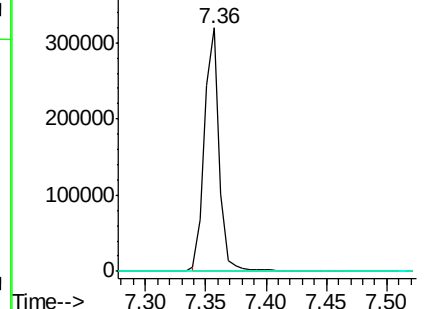
138 0.0 16.2 24.2#



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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121136.D

Acq: 30 Jul 2020 19:16

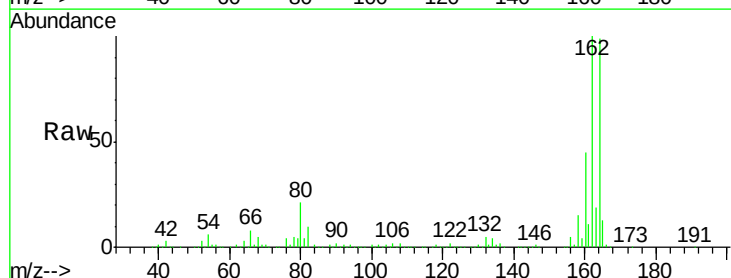
Tgt Ion: 164 Resp: 300530

Ion Ratio Lower Upper

164 100

162 101.3 82.2 123.2

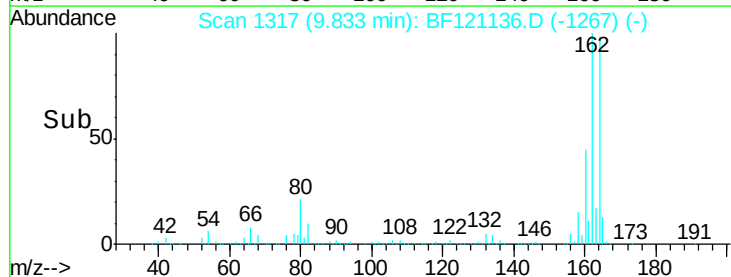
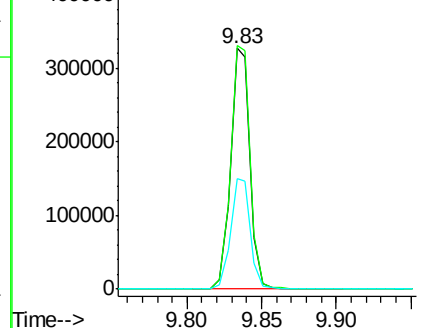
160 46.0 37.2 55.8

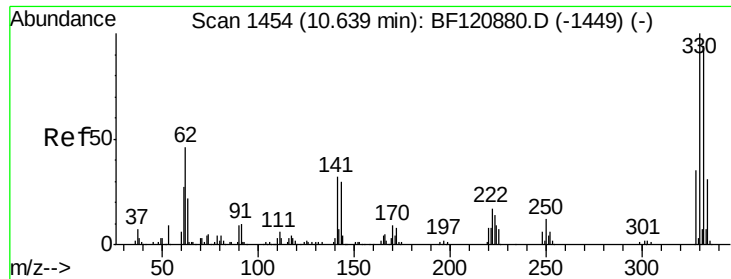


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 31.042 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121136.D

Acq: 30 Jul 2020 19:16

Instrument :

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ClientSampleId :

FK-GF-02-059-B

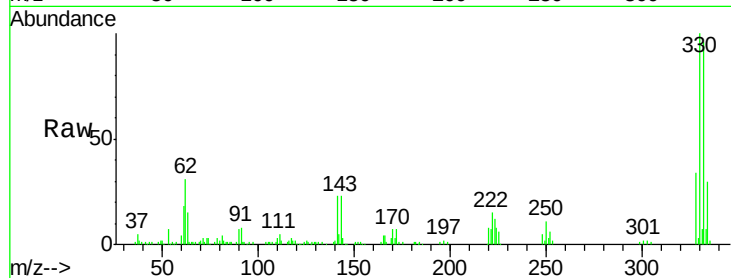
Tot Ion:330 Resp: 102115

Ion Ratio Lower Upper

330 100

332 96.1 76.1 114.1

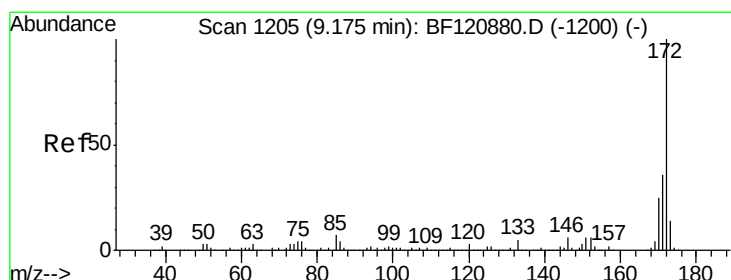
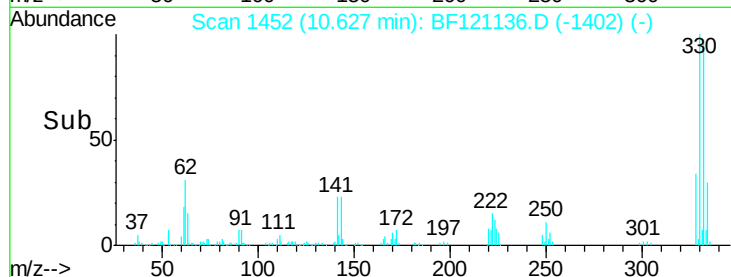
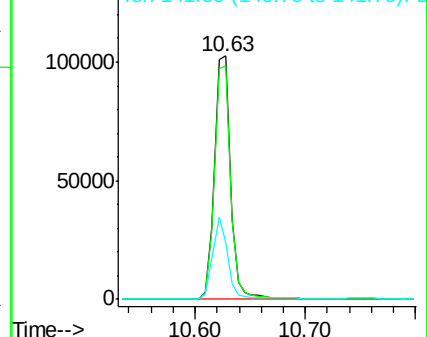
141 32.1 24.1 36.1



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: 27.892 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF121136.D

Acq: 30 Jul 2020 19:16

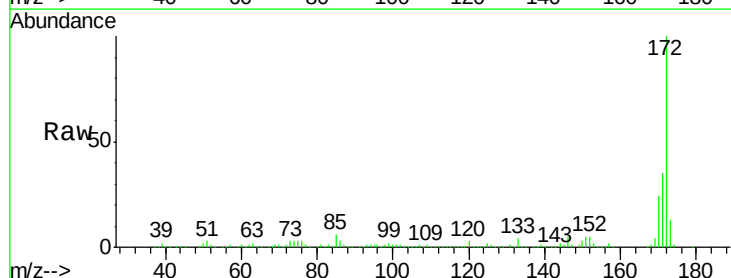
Tgt Ion:172 Resp: 561422

Ion Ratio Lower Upper

172 100

171 34.5 29.0 43.4

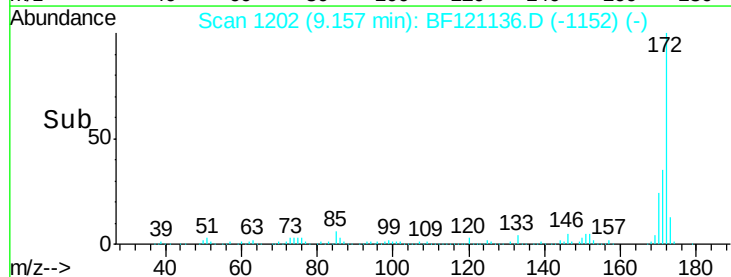
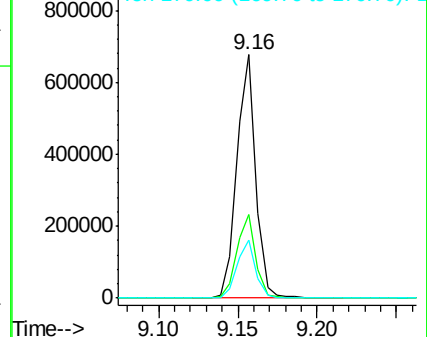
170 23.6 19.6 29.4

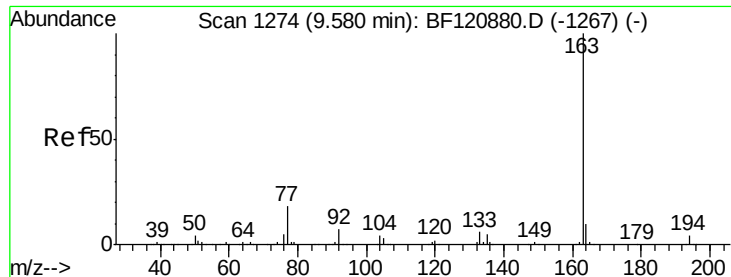


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.033 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121136.D

Acq: 30 Jul 2020 19:16

Instrument :

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ClientSampleId :

FK-GF-02-059-B

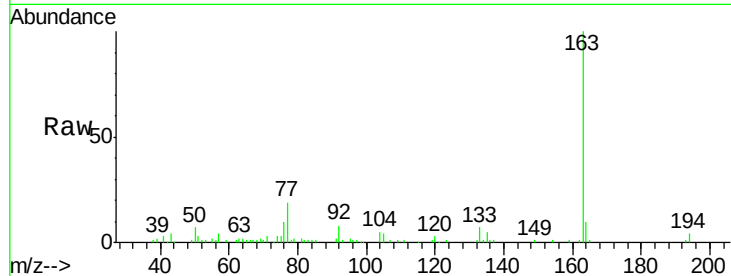
Tot Ion:163 Resp: 65768

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

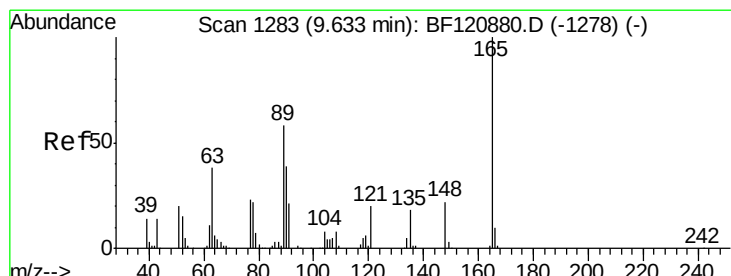
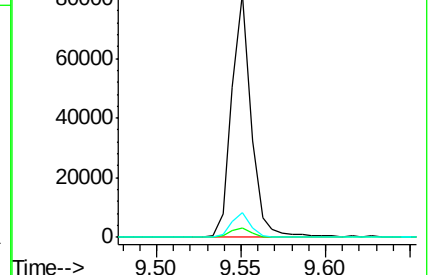
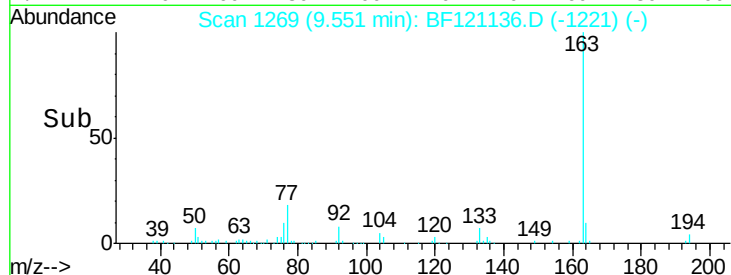
164 10.0 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.627 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF121136.D

Acq: 30 Jul 2020 19:16

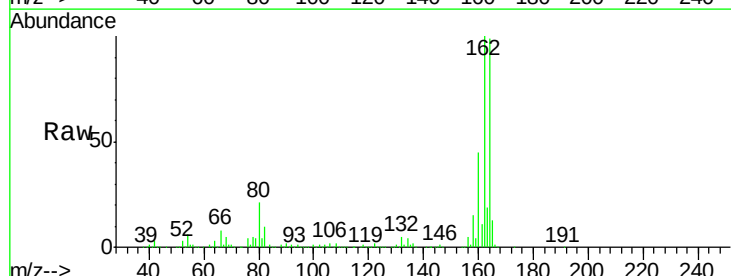
Tgt Ion:165 Resp: 40184

Ion Ratio Lower Upper

165 100

63 1.1 41.1 61.7#

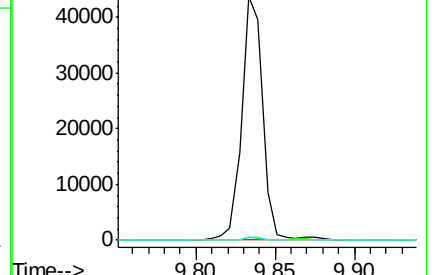
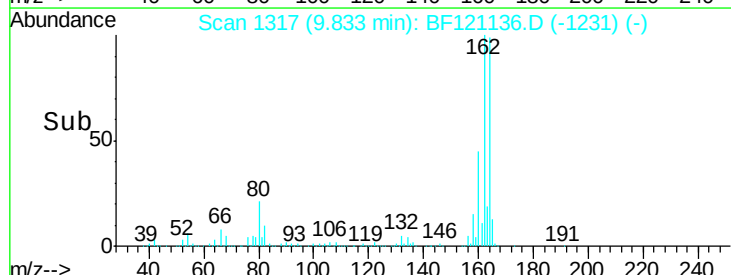
89 1.0 43.5 65.3#

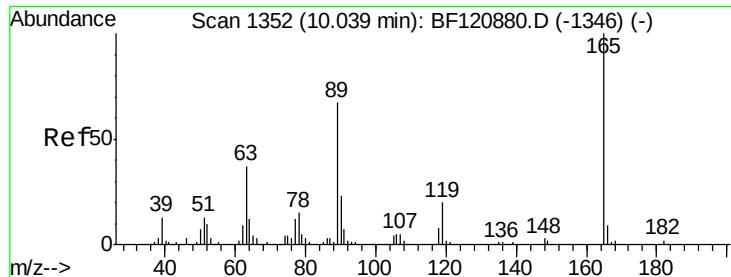


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

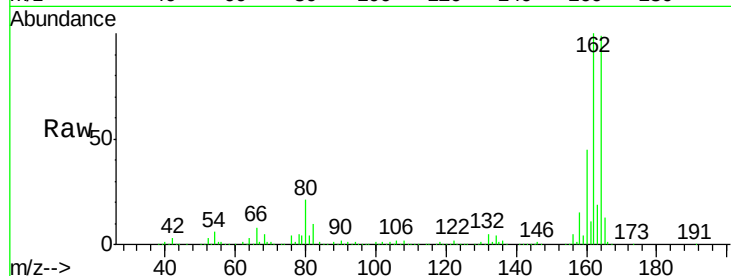




#57
 2,4-Dinitrotoluene
 Concen: 6.569 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.20 min
 Lab File: BF121136.D
 Acq: 30 Jul 2020 19:16

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-059-B

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	29.8	44.8#
89	1.0	50.3	75.5#
182	0.0	2.1	3.1#

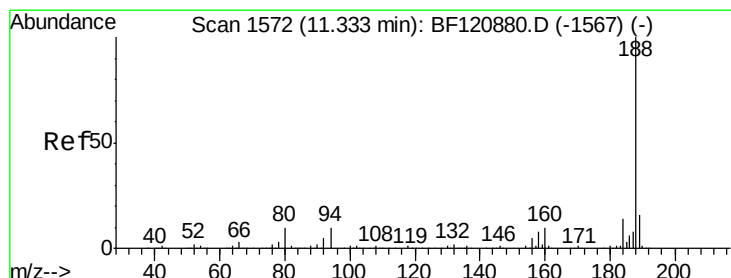
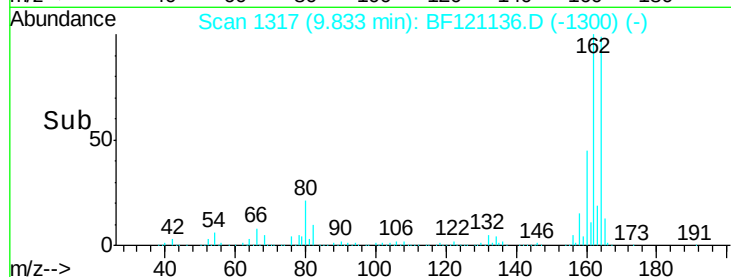
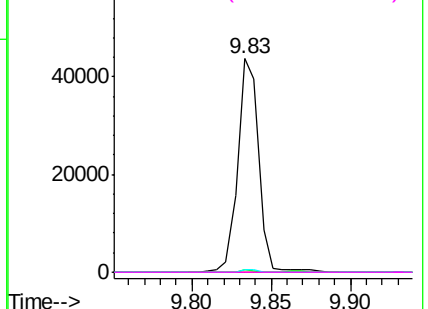


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

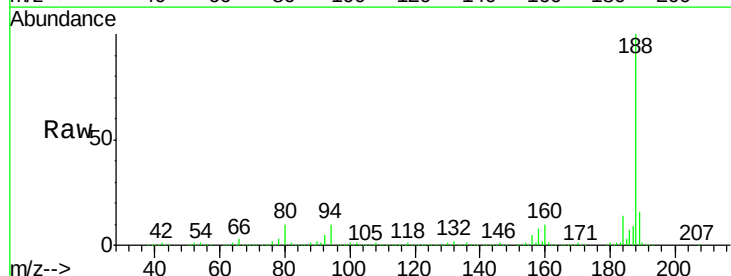
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF121136.D
 Acq: 30 Jul 2020 19:16

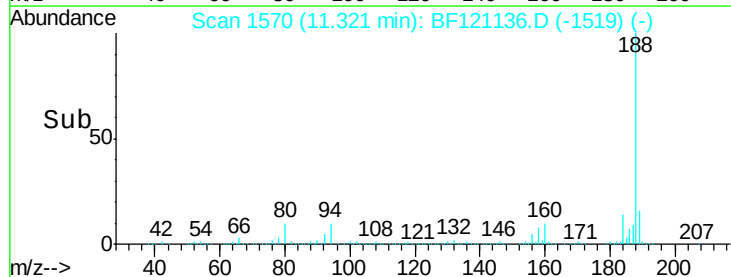
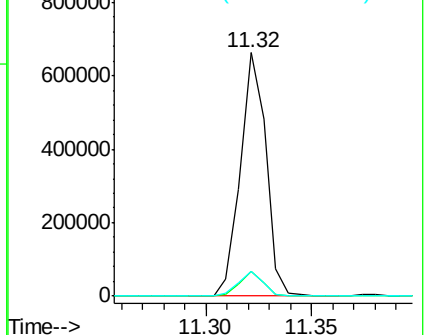
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.2	8.3	12.5

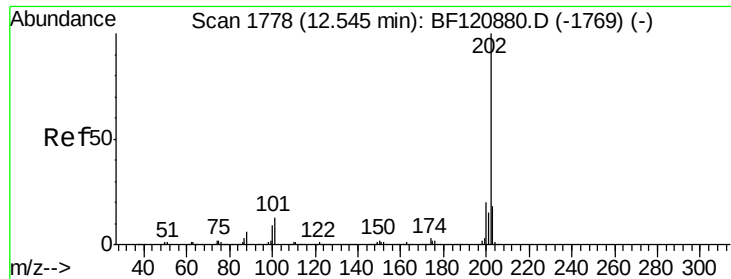


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

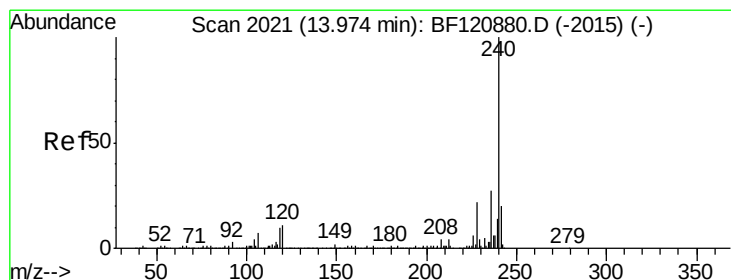
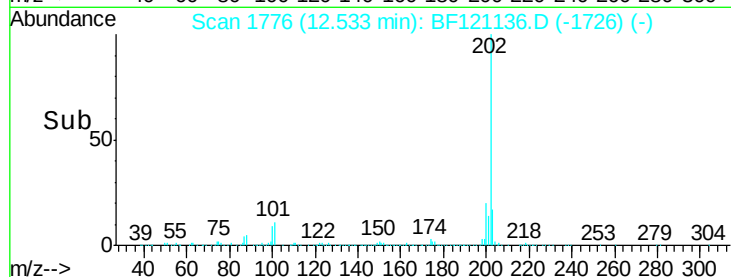
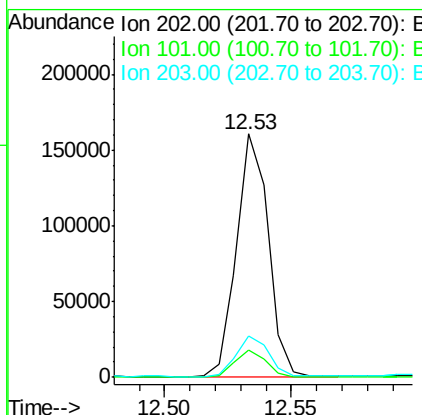
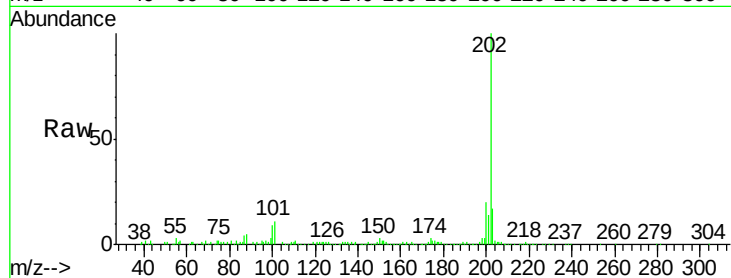




#75
Fluoranthene
Concen: 4.392 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF121136.D
Acq: 30 Jul 2020 19:16

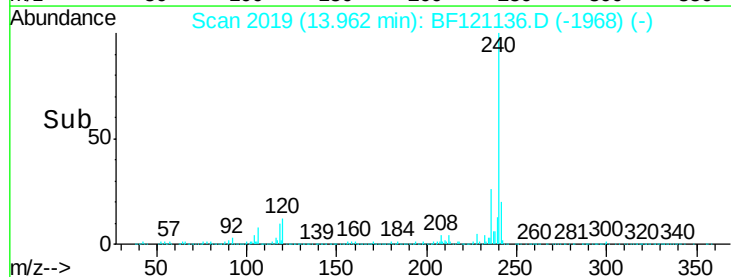
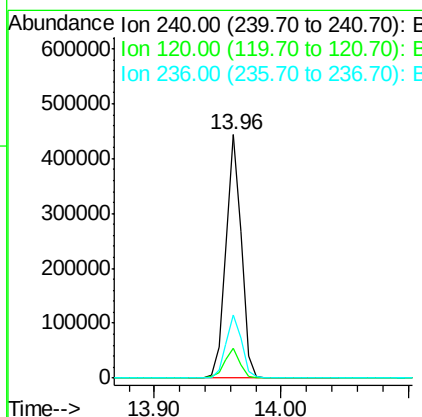
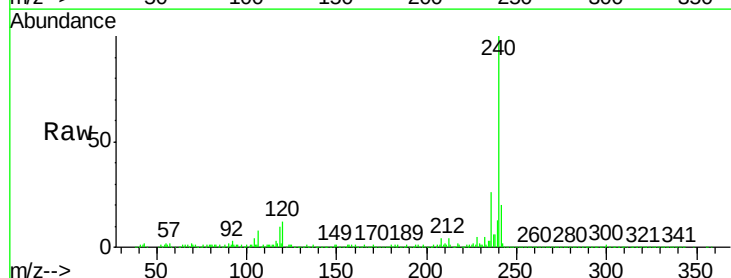
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-059-B

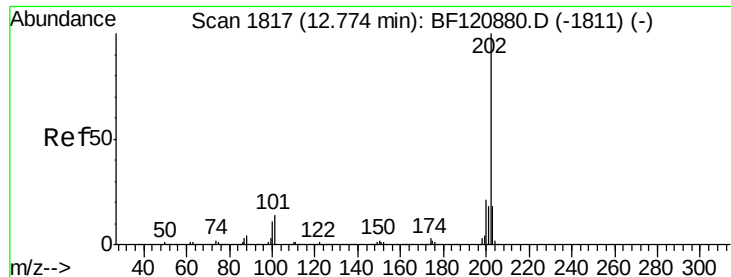
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	30.5
203	16.9	0.0	37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF121136.D
Acq: 30 Jul 2020 19:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.3	13.9
236	26.1	21.1	31.7

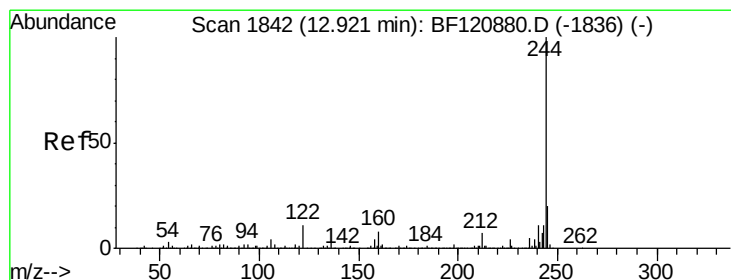
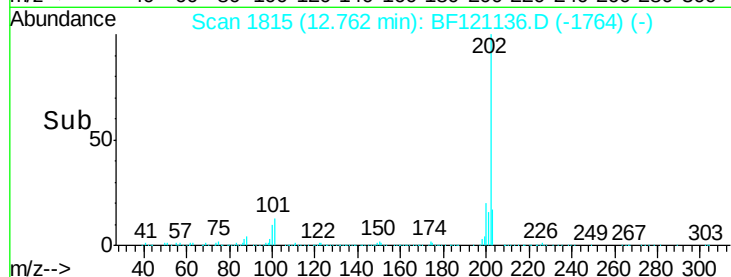
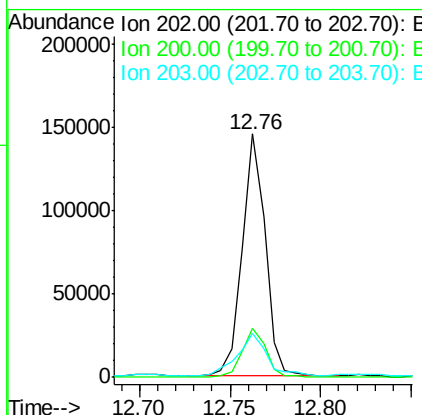
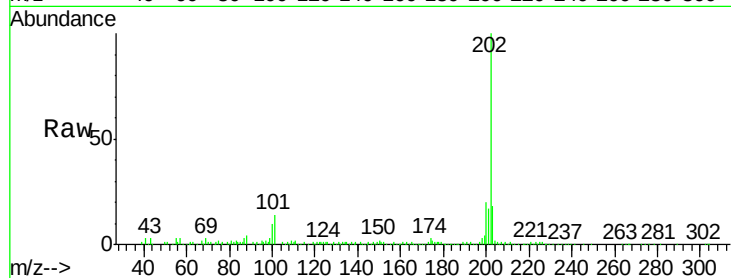




#78
Pvrene
Concen: 4.946 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF121136.D
Acq: 30 Jul 2020 19:16

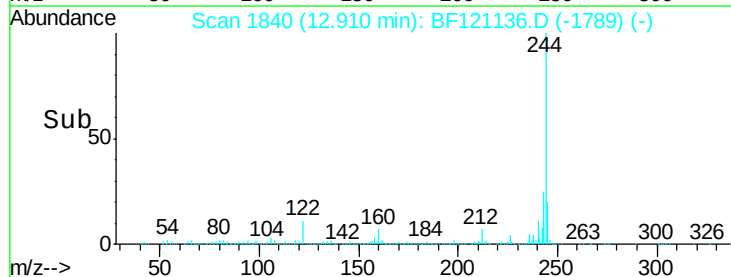
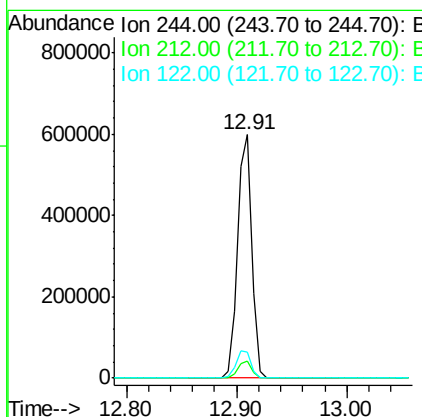
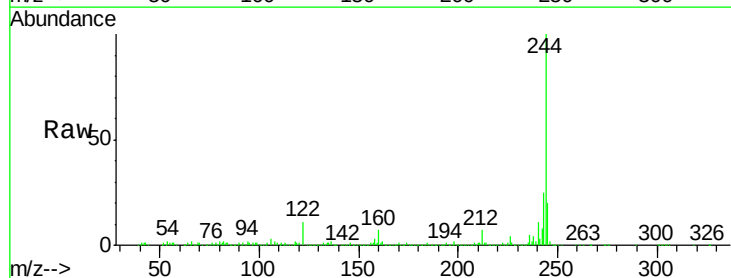
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-059-B

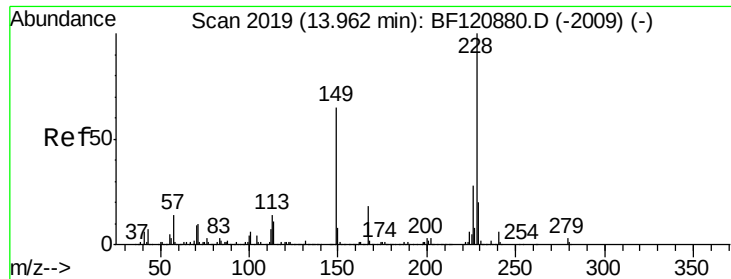
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.0	25.6
203	18.1	14.6	21.8



#79
Terphenyl-d14
Concen: 31.798 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF121136.D
Acq: 30 Jul 2020 19:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.6	8.3	12.5

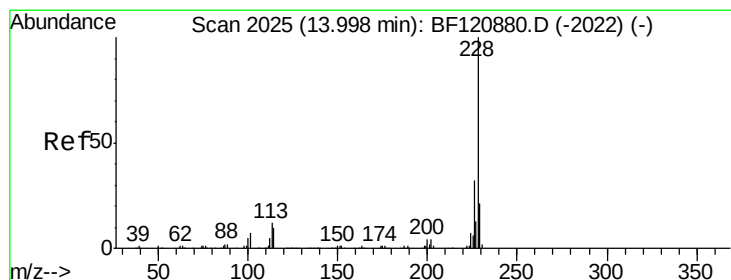
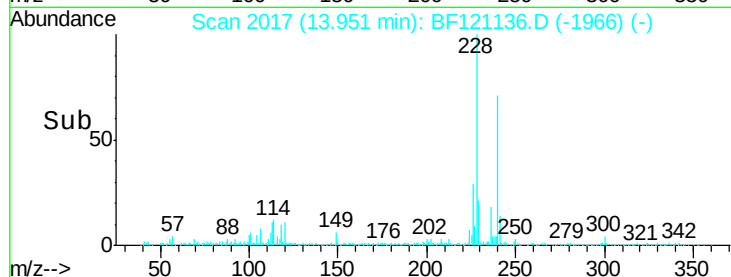
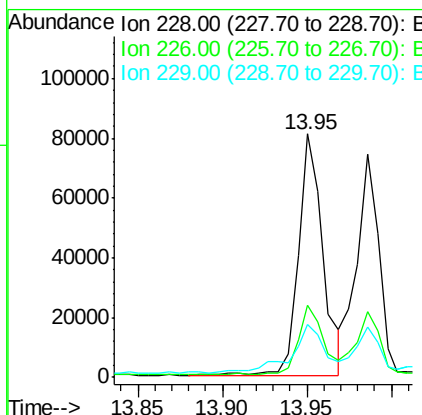
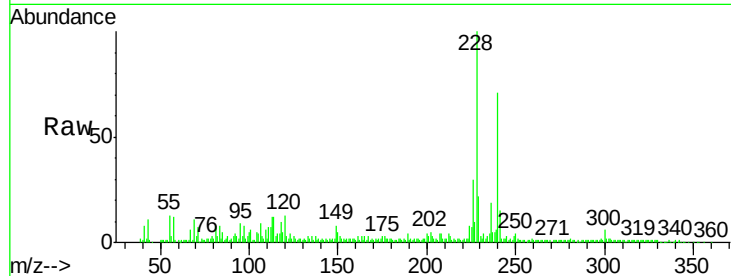




#81
Benzo(a)anthracene
Concen: 3.647 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF121136.D
Acq: 30 Jul 2020 19:16

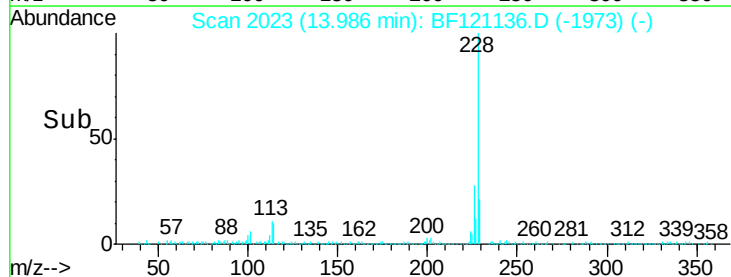
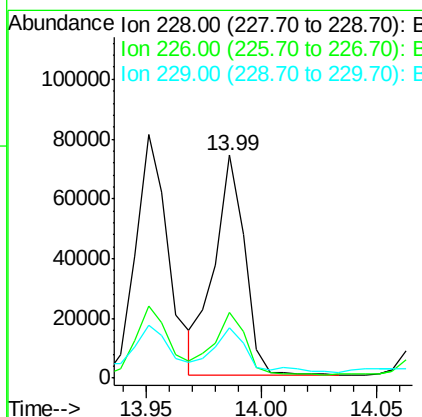
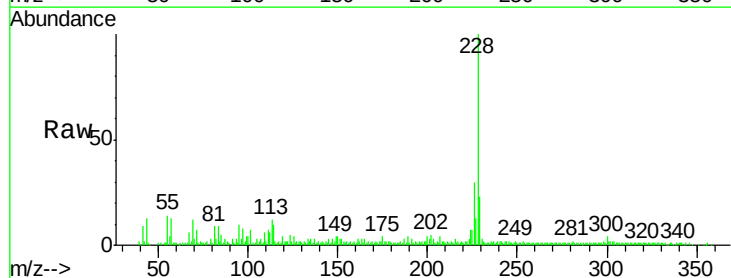
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-059-B

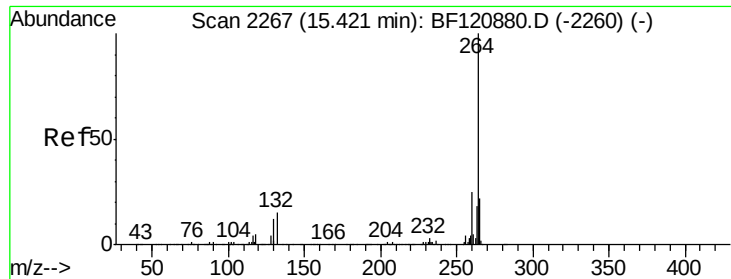
Tot Ion:228 Resp: 81843
Ion Ratio Lower Upper
228 100
226 29.8 22.6 34.0
229 21.8 16.1 24.1



#83
Chrysene
Concen: 2.882 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121136.D
Acq: 30 Jul 2020 19:16

Tgt Ion:228 Resp: 67968
Ion Ratio Lower Upper
228 100
226 29.7 25.4 38.0
229 22.7 16.2 24.4

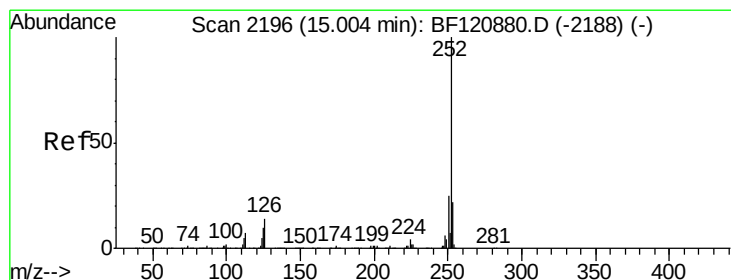
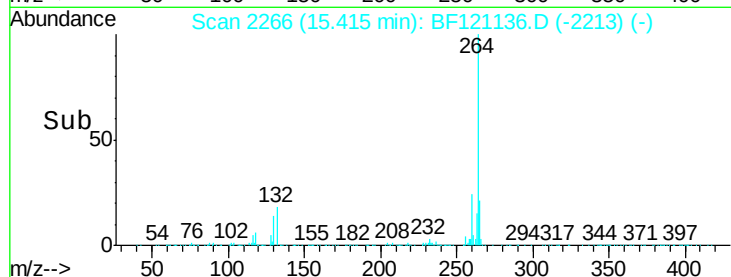
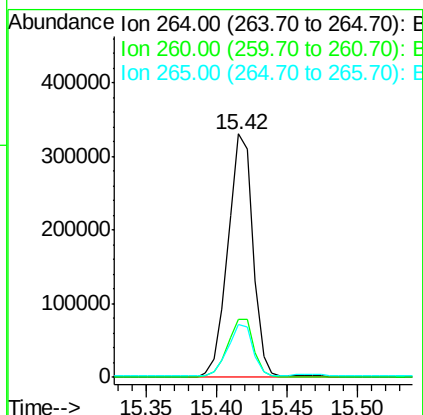
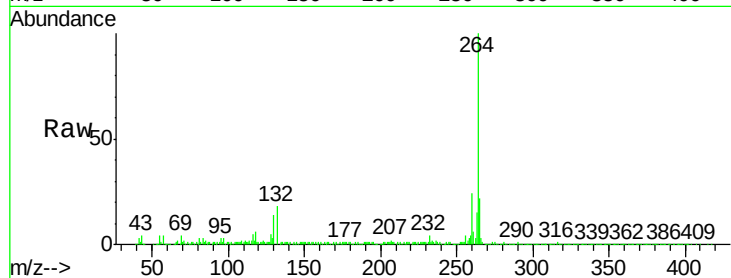




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF121136.D
Acq: 30 Jul 2020 19:16

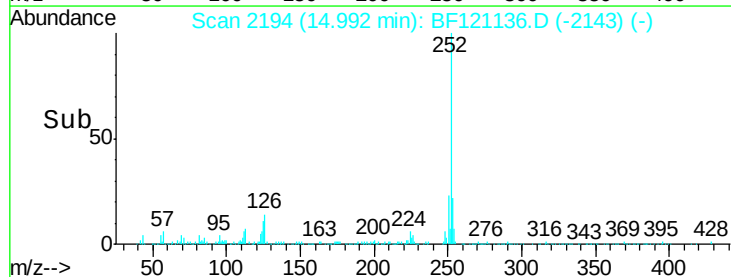
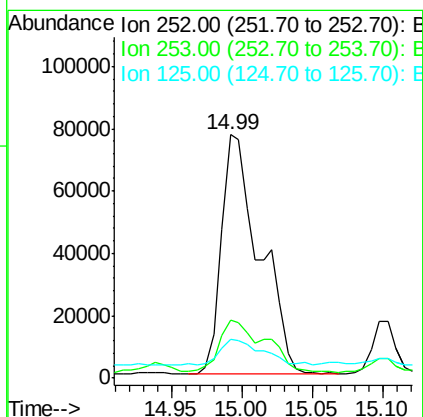
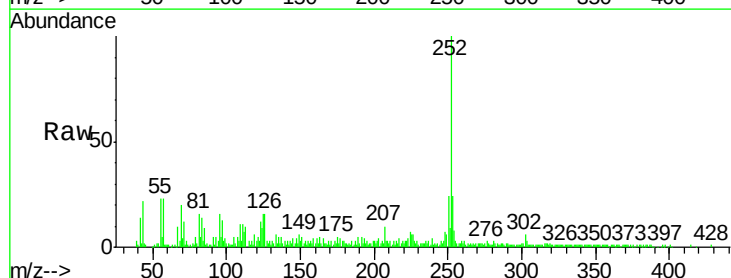
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-059-B

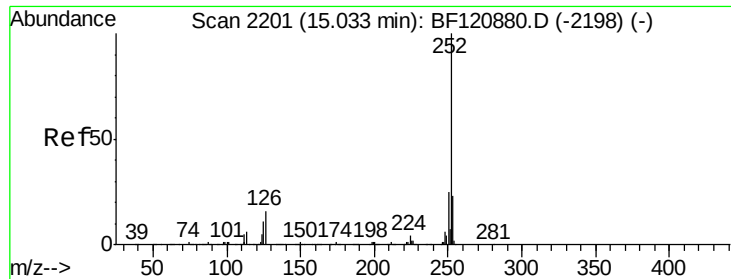
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.9	29.9
265	21.5	17.8	26.8



#88
Benzo(b)fluoranthene
Concen: 5.966 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BF121136.D
Acq: 30 Jul 2020 19:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	16.0	8.1	12.1

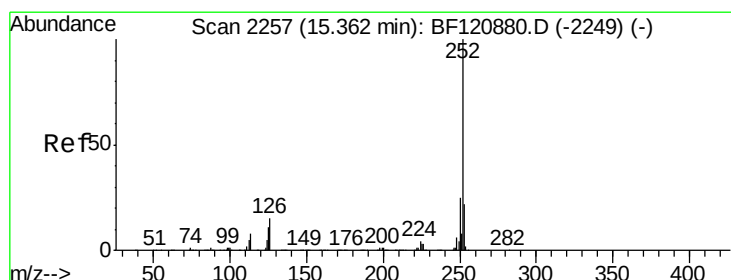
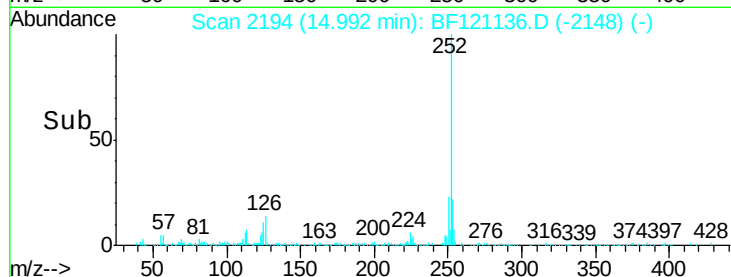
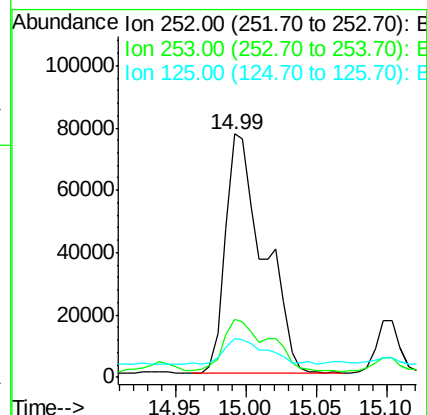
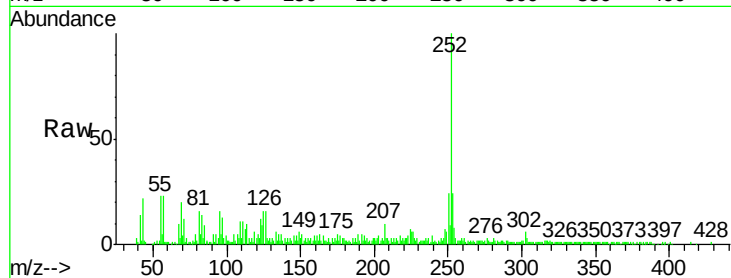




#89
Benzo(k)fluoranthene
Concen: 6.542 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.03 min
Lab File: BF121136.D
Acq: 30 Jul 2020 19:16

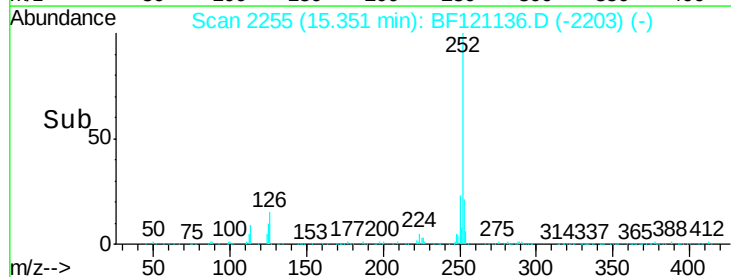
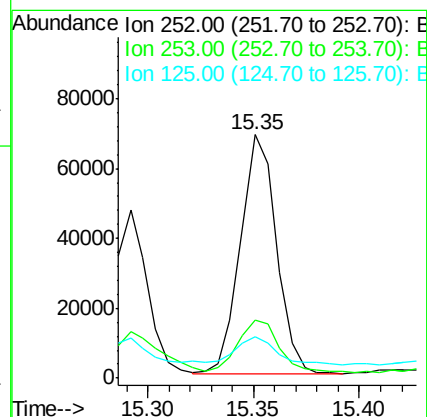
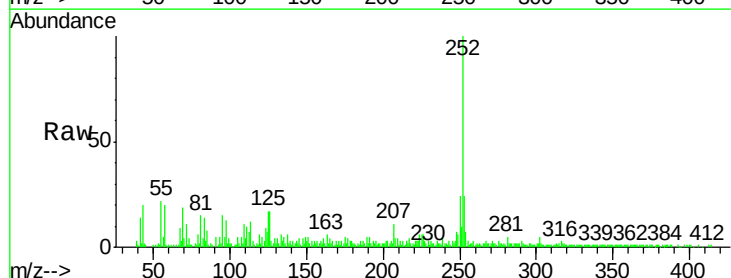
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-059-B

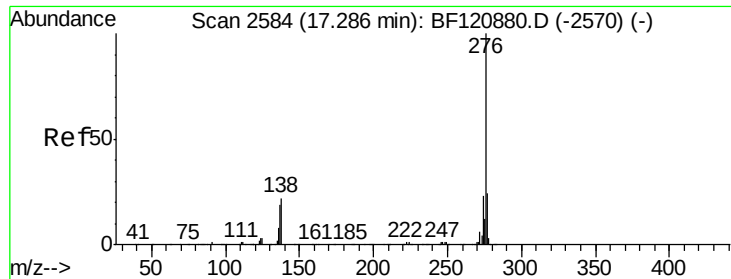
Tot Ion:252 Resp: 145860
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 16.0 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 3.610 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF121136.D
Acq: 30 Jul 2020 19:16

Tgt Ion:252 Resp: 80520
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 16.9 9.5 14.3#





#92
 Benzo(a,h,i)perylene
 Concen: 2.059 ng
 RT: 17.28 min Scan# 2583
 Delta R.T. 0.02 min
 Lab File: BF121136.D
 Acq: 30 Jul 2020 19:16

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-059-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.4	29.0
138	25.2	17.2	25.8

