

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121133.D
 Acq On : 30 Jul 2020 17:42
 Operator : JU/CG
 Sample : L3428-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-S

Quant Time: Jul 30 18:08:22 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	6.79	152	152086	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	600514	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	315237	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	612289	20.00	ng	0.00
76) Chrysene-d12	13.96	240	502387	20.00	ng	0.00
86) Perylene-d12	15.41	264	443359	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	797539	85.97	ng	0.00
7) Phenol-d6	6.43	99	989613	82.58	ng	-0.01
23) Nitrobenzene-d5	7.36	82	621914	59.93	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	276919	80.25	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1149885	54.46	ng	0.00
79) Terphenyl-d14	12.91	244	1257447	54.41	ng	0.00

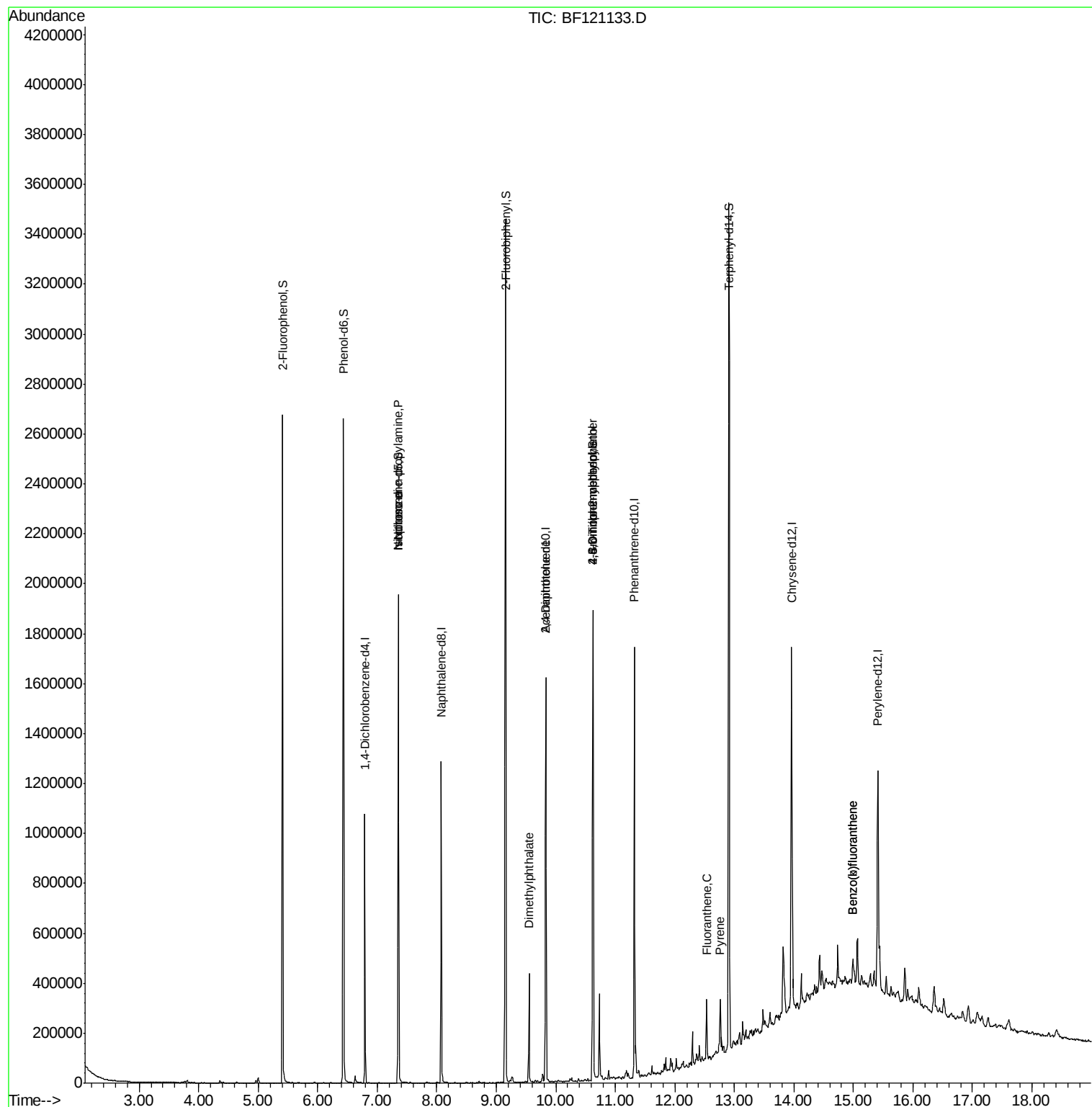
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1324	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	81098	11.901	ng	# 78
25) Isophorone	7.36	82	617268	29.802	ng	# 62
50) Dimethylphthalate	9.55	163	186809	8.214	ng	# 98
57) 2,4-Dinitrotoluene	9.83	165	40806	6.360	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.63	198	420	3.952	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	15721	2.303	ng	# 1
75) Fluoranthene	12.53	202	95679	2.741	ng	# 98
78) Pyrene	12.76	202	95165	2.679	ng	# 98
88) Benzo(b)fluoranthene	14.99	252	67144	2.505	ng	# 86
89) Benzo(k)fluoranthene	14.99	252	67144	2.747	ng	# 86

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

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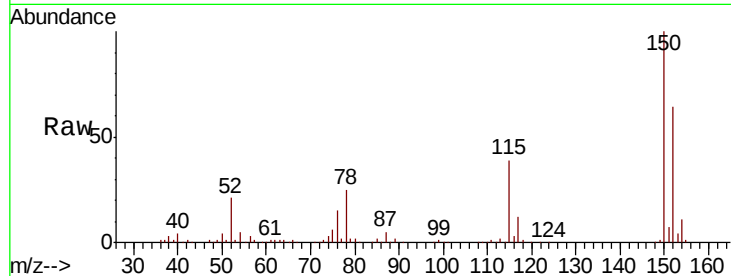


#1

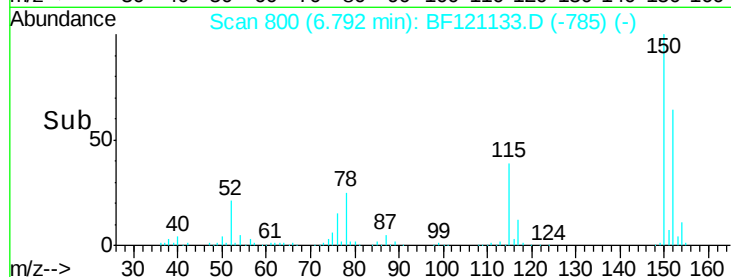
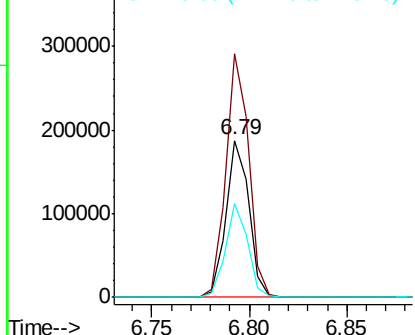
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121133.D
 Acq: 30 Jul 2020 17:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-S

Tot Ion:152 Resp: 152086
 Ion Ratio Lower Upper
 152 100
 150 155.2 125.6 188.4
 115 60.1 46.2 69.2



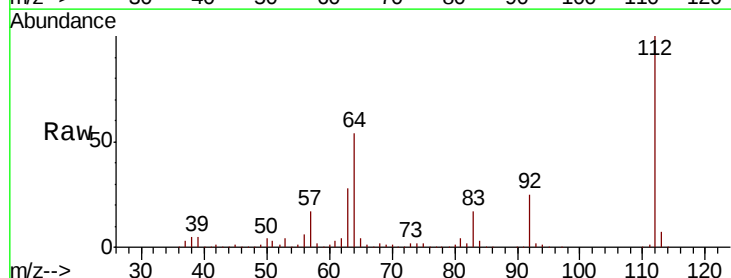
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



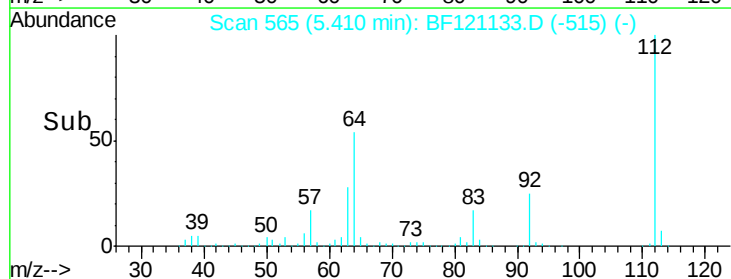
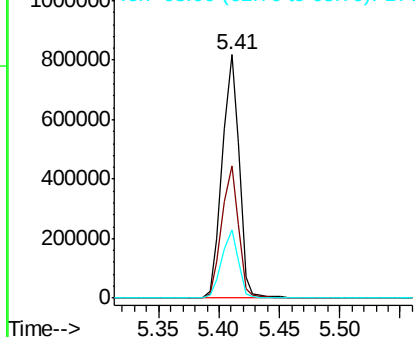
#5

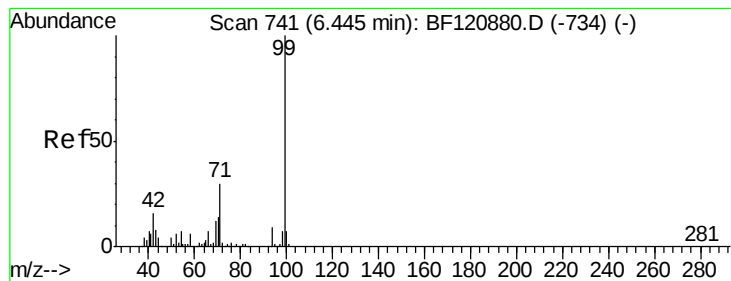
2-Fluorophenol
 Concen: 85.968 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF121133.D
 Acq: 30 Jul 2020 17:42

Tgt Ion:112 Resp: 797539
 Ion Ratio Lower Upper
 112 100
 64 54.3 43.9 65.9
 63 27.8 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: 82.580 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121133.D

Acq: 30 Jul 2020 17:42

Instrument :

BNA_F

ClientSampleId :

TP-1-S

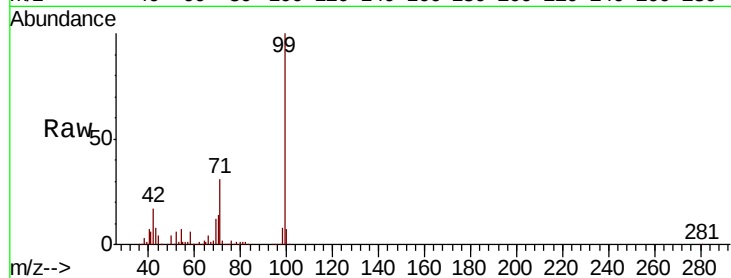
Tot Ion: 99 Resp: 989613

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

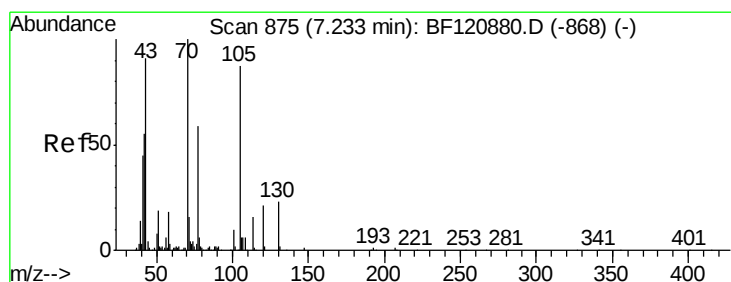
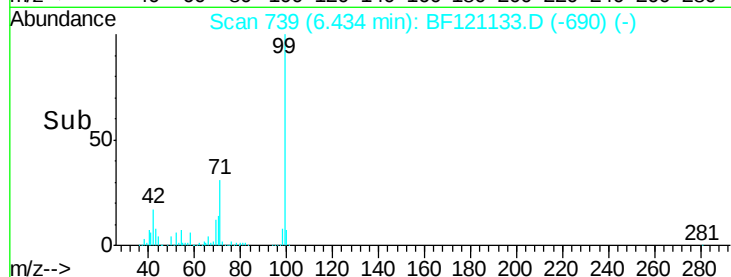
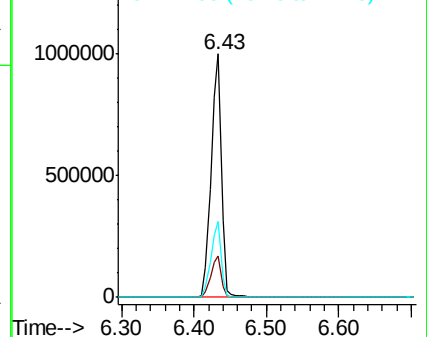
71 31.0 25.0 37.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.901 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121133.D

Acq: 30 Jul 2020 17:42

Tgt Ion: 70 Resp: 81098

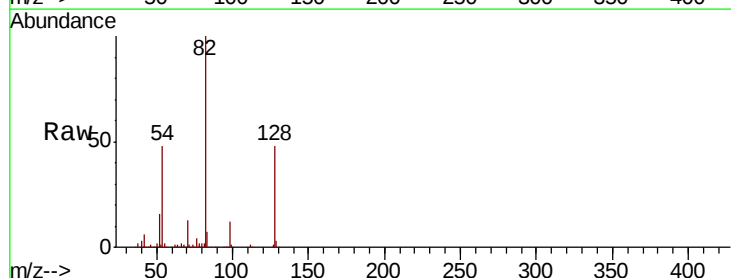
Ion Ratio Lower Upper

70 100

42 45.4 43.3 64.9

101 0.0 8.4 12.6#

130 2.4 18.7 28.1#

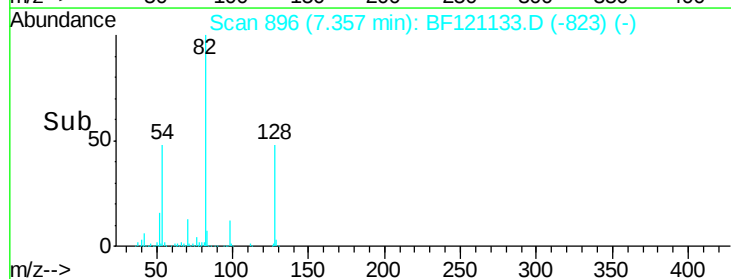
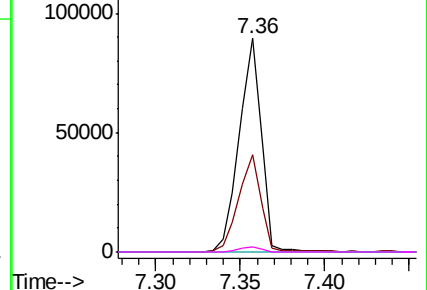


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121133.D

Acq: 30 Jul 2020 17:42

Instrument :

BNA_F

ClientSampleId :

TP-1-S

Tot Ion:136 Resp: 600514

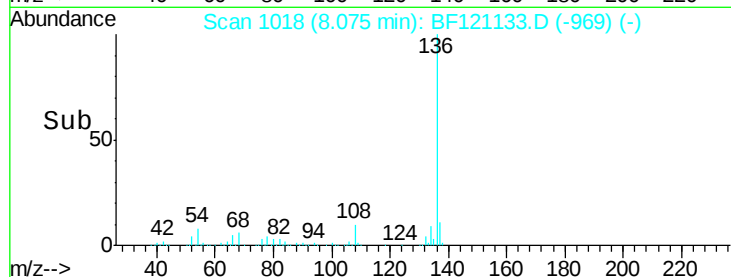
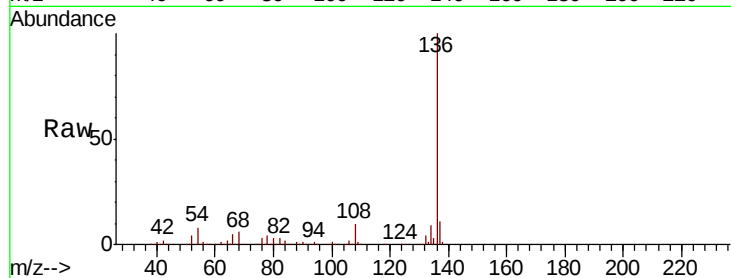
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.8 6.1 9.1

68 6.3 5.0 7.6

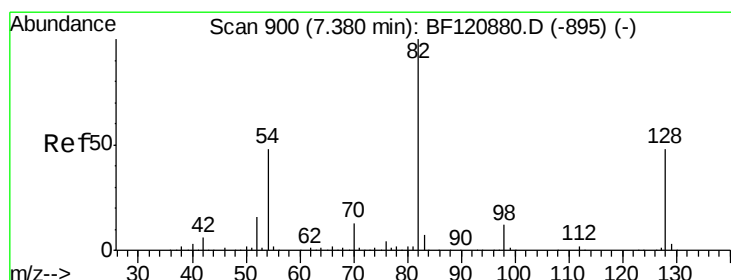
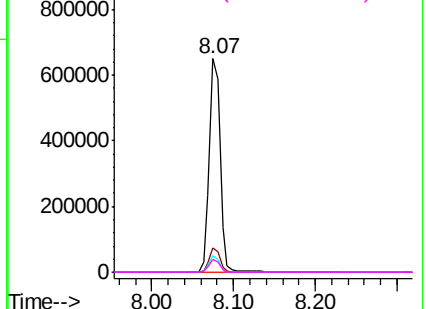


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.925 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121133.D

Acq: 30 Jul 2020 17:42

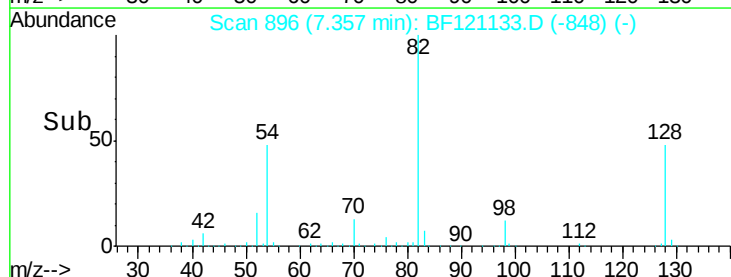
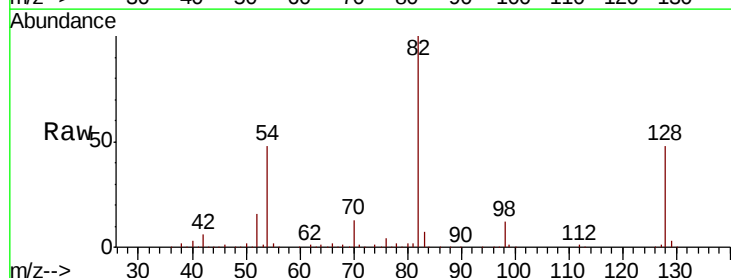
Tgt Ion: 82 Resp: 621914

Ion Ratio Lower Upper

82 100

128 47.5 39.2 58.8

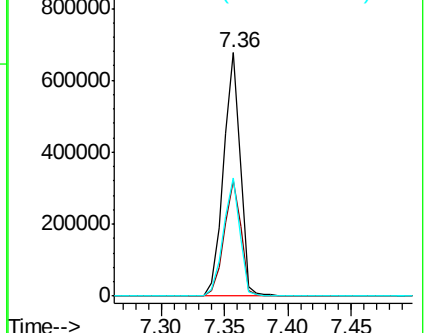
54 48.4 37.8 56.8

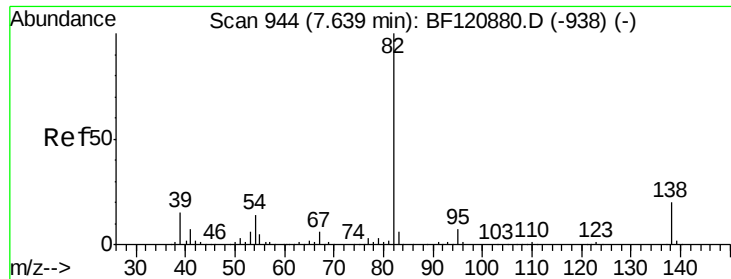


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.802 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121133.D

Acq: 30 Jul 2020 17:42

Instrument :

BNA_F

ClientSampleId :

TP-1-S

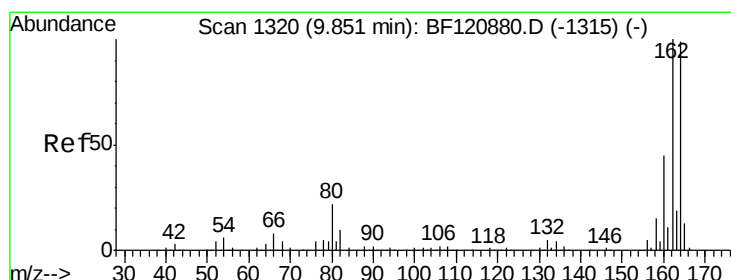
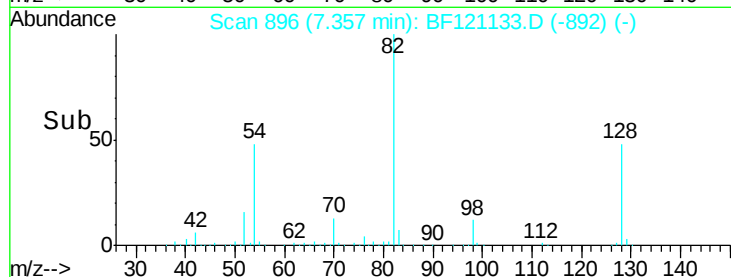
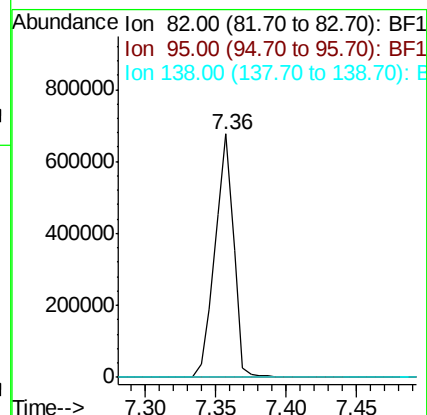
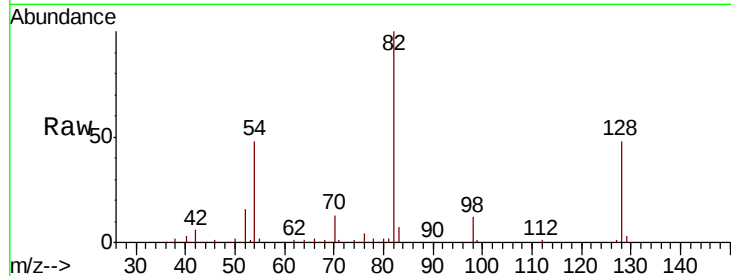
Tot Ion: 82 Resp: 617268

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 16.2 24.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121133.D

Acq: 30 Jul 2020 17:42

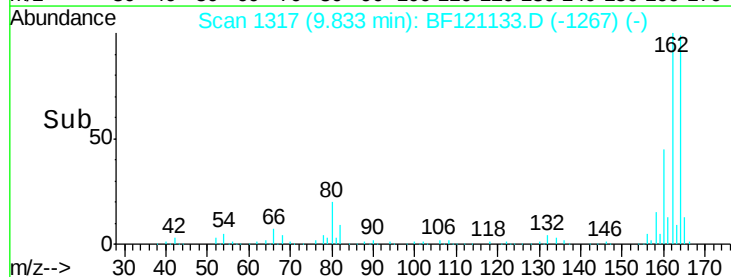
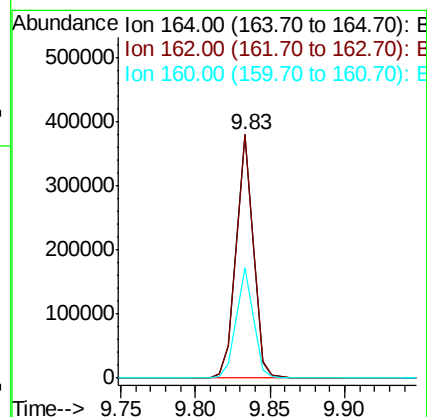
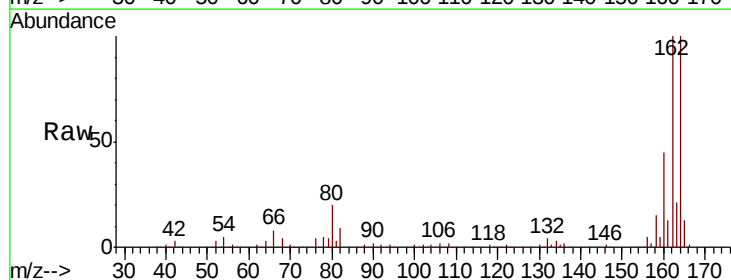
Tgt Ion: 164 Resp: 315237

Ion Ratio Lower Upper

164 100

162 99.9 82.2 123.2

160 45.3 37.2 55.8

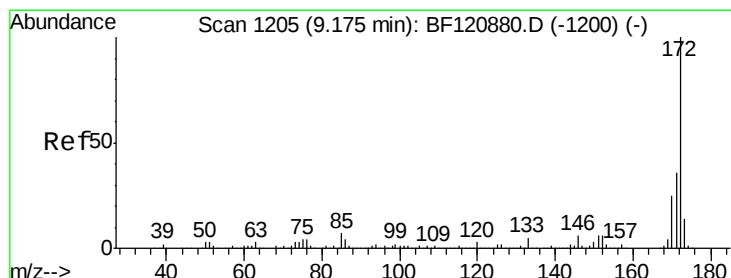
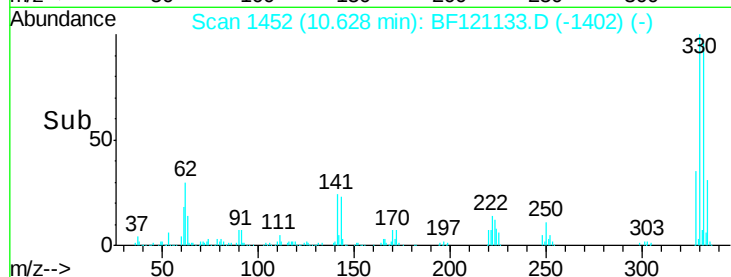
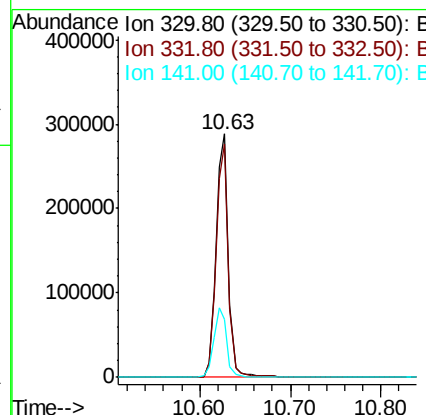
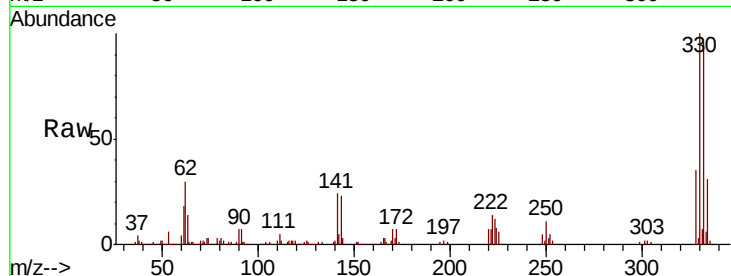




#42
 2,4,6-Tribromophenol
 Concen: 80.253 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121133.D
 Acq: 30 Jul 2020 17:42

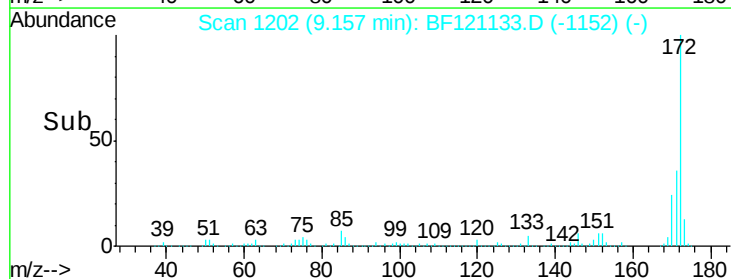
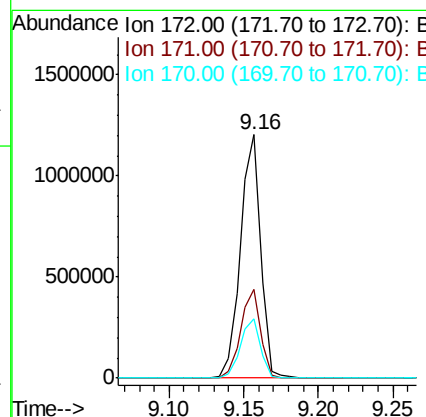
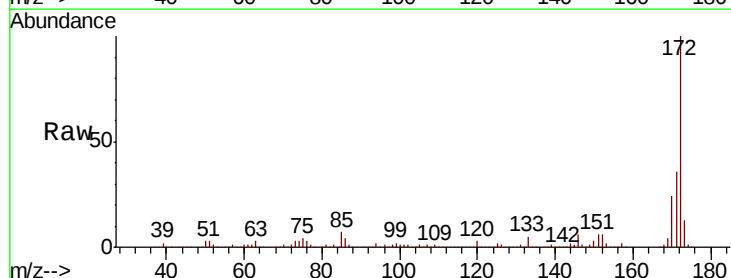
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.1	114.1
141	29.8	24.1	36.1



#45
 2-Fluorobiphenyl
 Concen: 54.462 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121133.D
 Acq: 30 Jul 2020 17:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	24.4	19.6	29.4

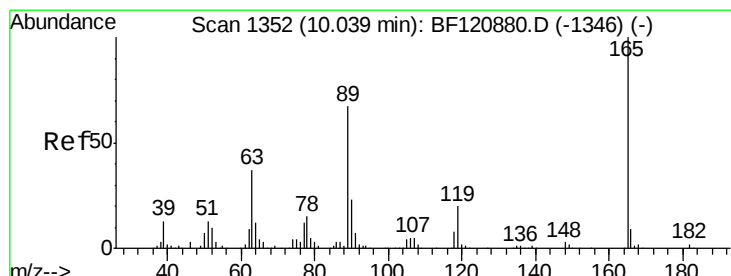
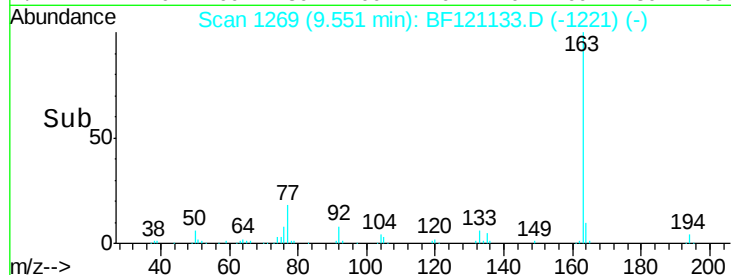
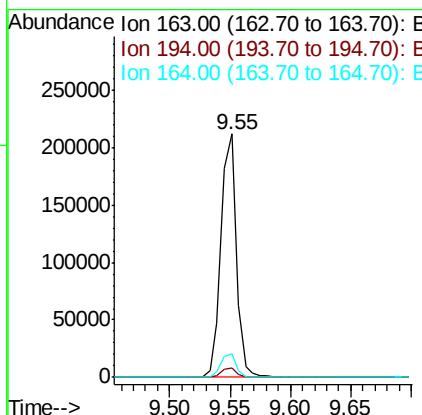
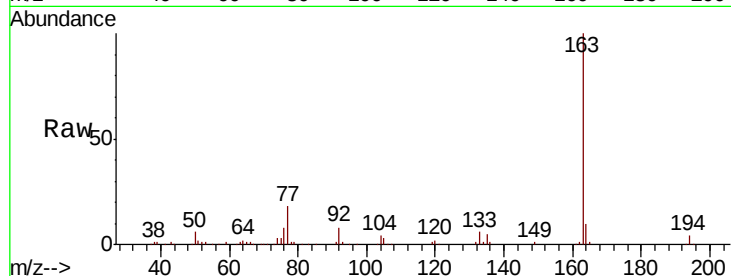




#50
Dimethylphthalate
Concen: 8.214 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121133.D
Acq: 30 Jul 2020 17:42

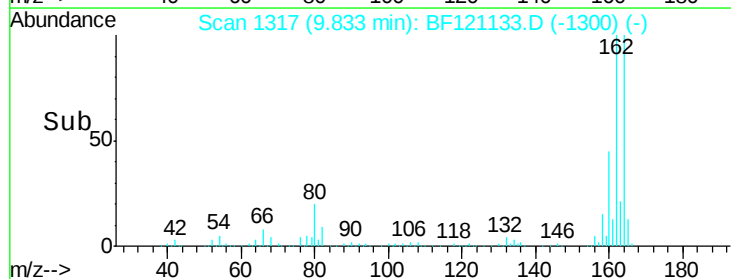
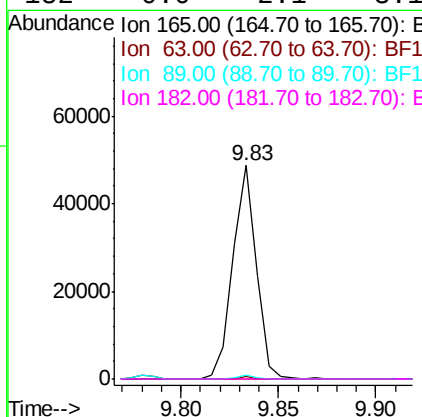
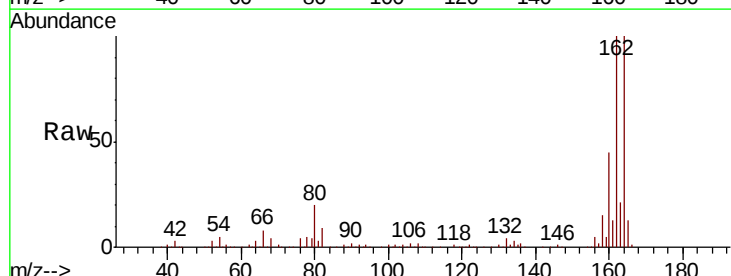
Instrument :
BNA_F
ClientSampled :
TP-1-S

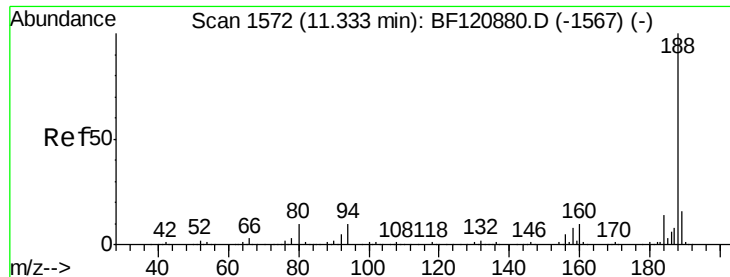
Tot Ion:163 Resp: 186809
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 9.6 8.4 12.6



#57
2,4-Dinitrotoluene
Concen: 6.360 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.20 min
Lab File: BF121133.D
Acq: 30 Jul 2020 17:42

Tgt Ion:165 Resp: 40806
Ion Ratio Lower Upper
165 100
63 1.0 29.8 44.8#
89 1.5 50.3 75.5#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF121133.D

Acq: 30 Jul 2020 17:42

Instrument :

BNA_F

ClientSampleId :

TP-1-S

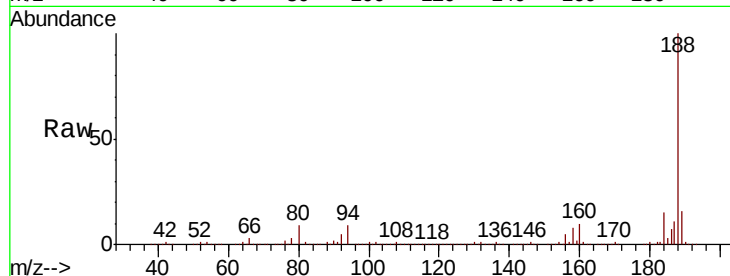
Tot Ion:188 Resp: 612289

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

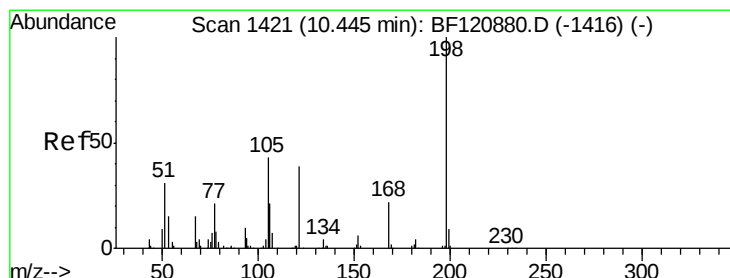
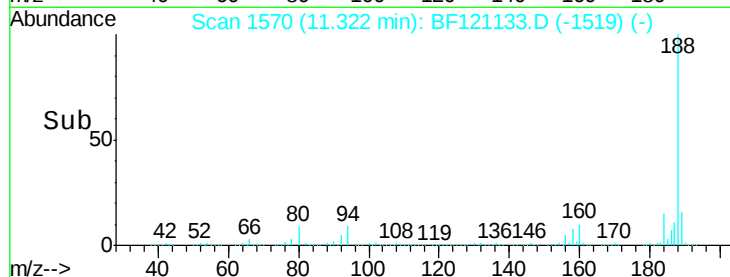
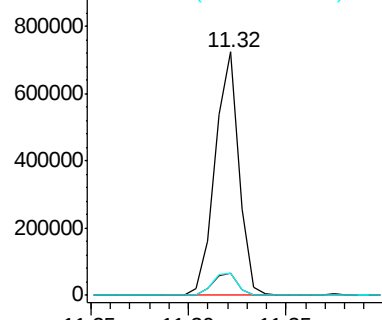
80 9.4 8.3 12.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 3.952 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.19 min

Lab File: BF121133.D

Acq: 30 Jul 2020 17:42

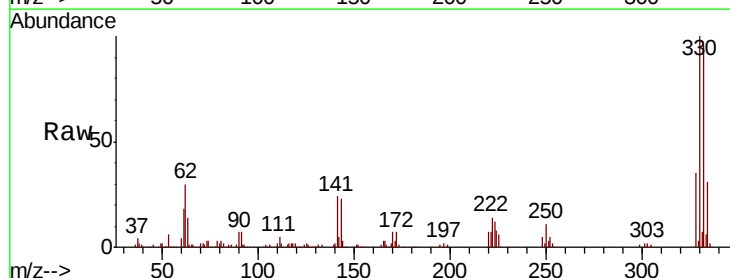
Tgt Ion:198 Resp: 420

Ion Ratio Lower Upper

198 100

51 142.1 23.4 63.4#

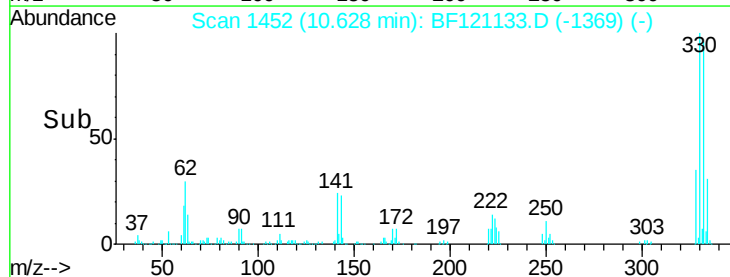
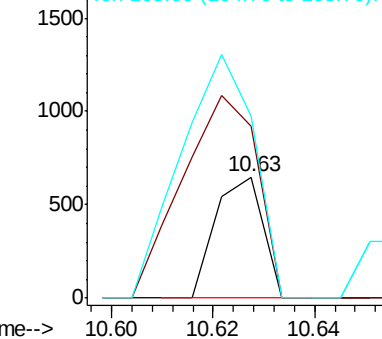
105 150.4 23.7 63.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

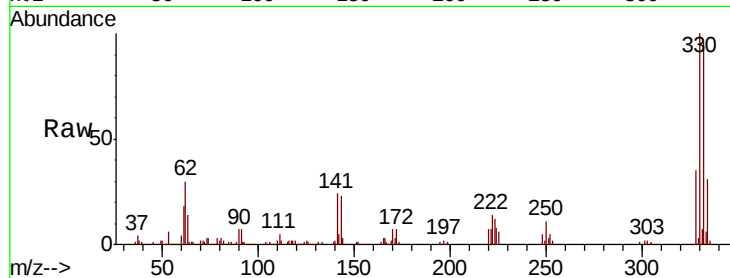




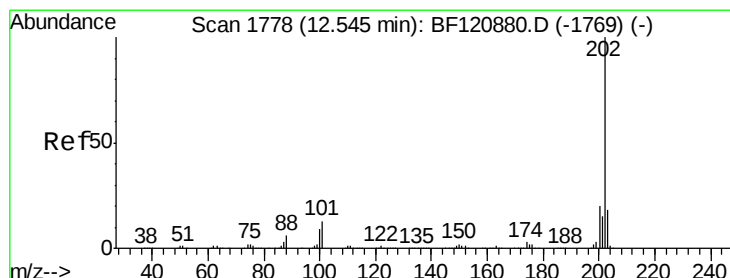
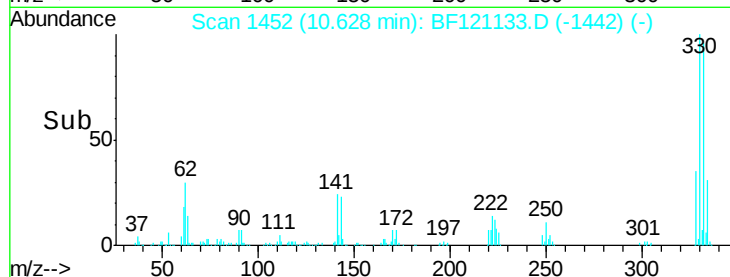
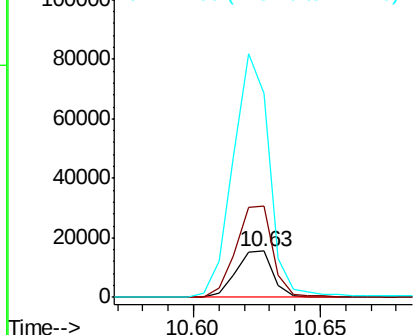
#67
 4-Bromophenyl-phenylether
 Concen: 2.303 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF121133.D
 Acq: 30 Jul 2020 17:42

Instrument :
 BNA_F
 ClientSampled :
 TP-1-S

Tot Ion:248 Resp: 15721
 Ion Ratio Lower Upper
 248 100
 250 198.1 77.0 115.6#
 141 438.4 56.6 85.0#

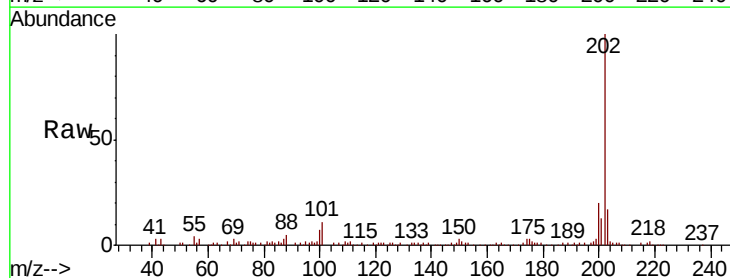


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

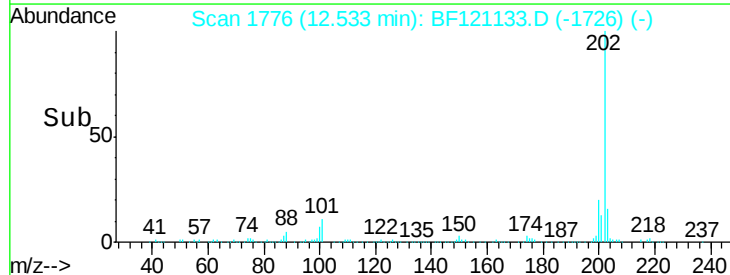
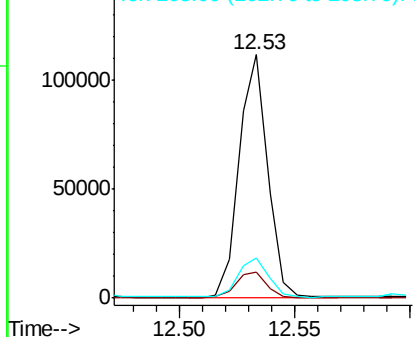


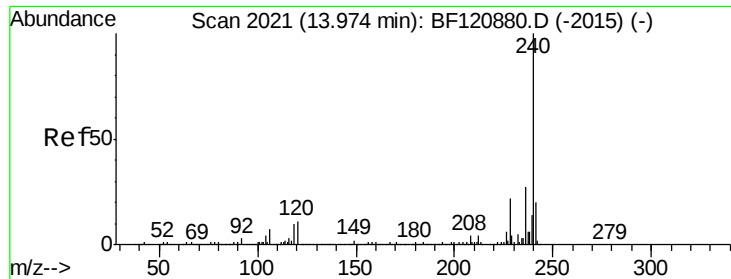
#75
 Fluoranthene
 Concen: 2.741 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.01 min
 Lab File: BF121133.D
 Acq: 30 Jul 2020 17:42

Tgt Ion:202 Resp: 95679
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.5
 203 16.6 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

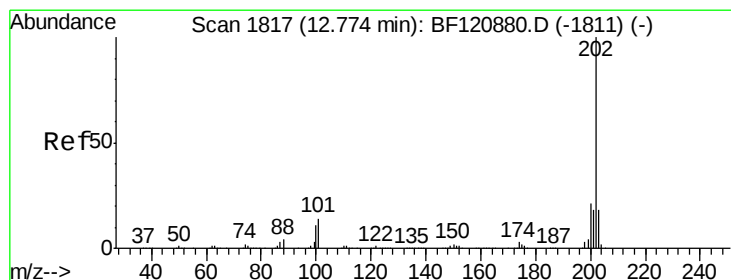
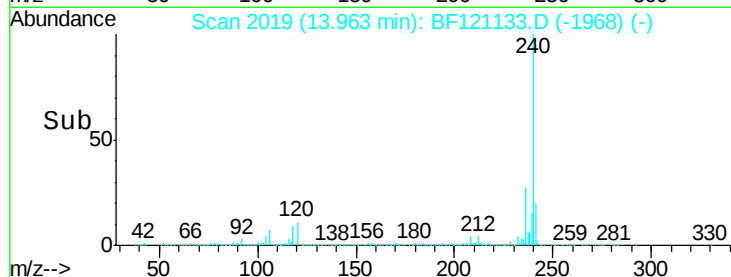
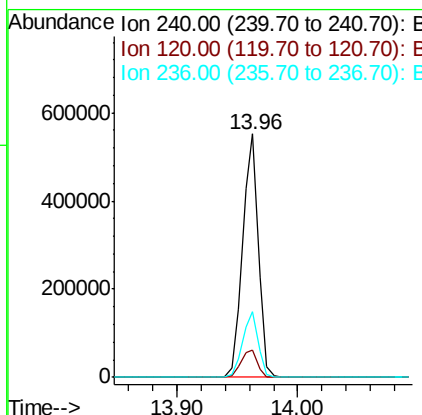
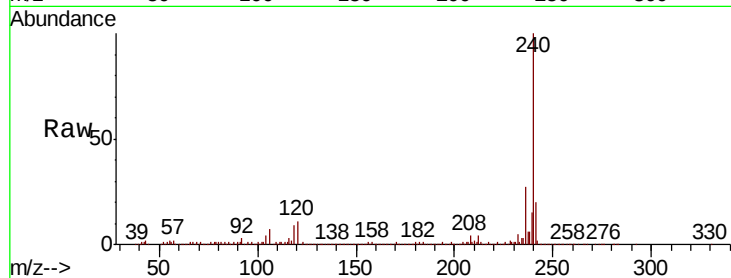




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF121133.D
Acq: 30 Jul 2020 17:42

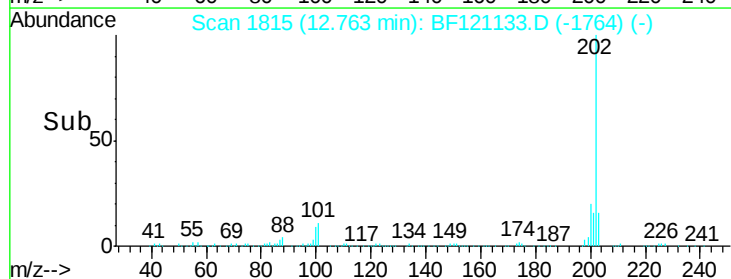
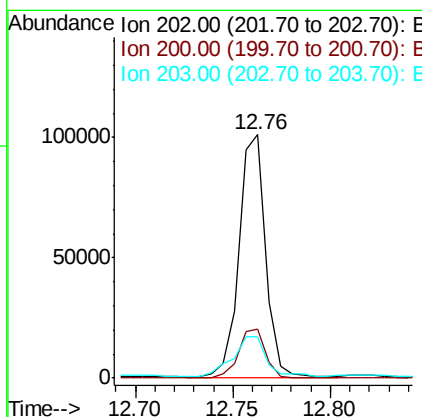
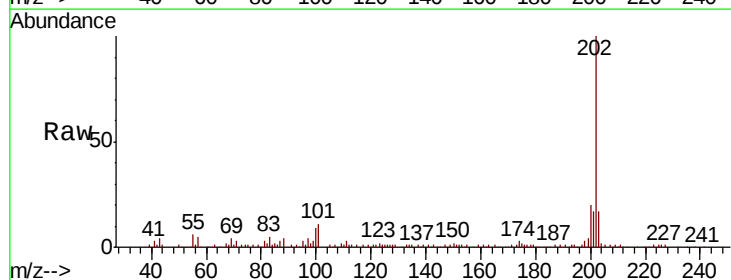
Instrument :
BNA_F
ClientSampleId :
TP-1-S

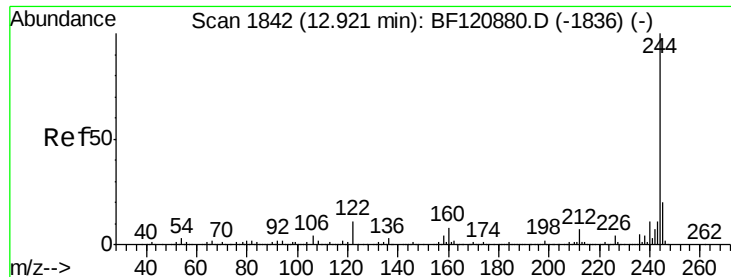
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.3	13.9
236	27.1	21.1	31.7



#78
Pyrene
Concen: 2.679 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF121133.D
Acq: 30 Jul 2020 17:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.6
203	17.1	14.6	21.8





#79

Terphenyl-d14

Concen: 54.409 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF121133.D

Acq: 30 Jul 2020 17:42

Instrument :

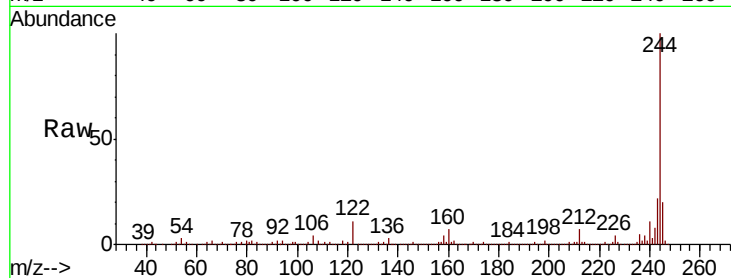
BNA_F

ClientSampleId :

TP-1-S

Tot Ion:244 Resp: 1257447

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	11.2	8.3	12.5

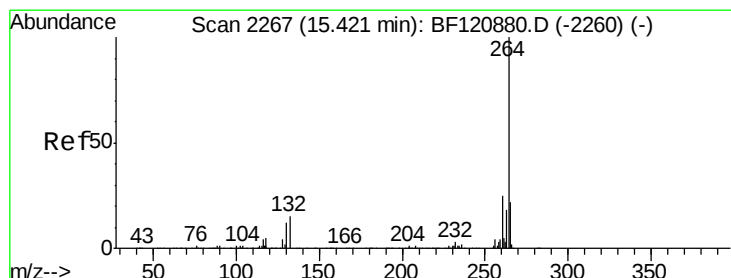
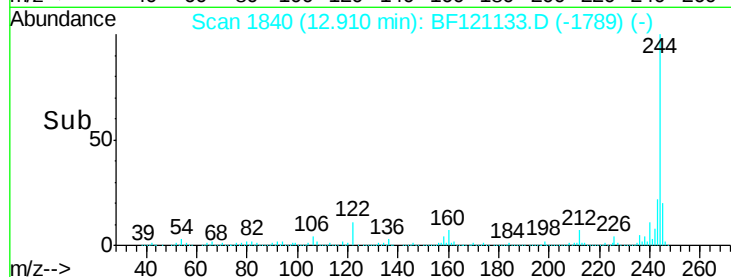
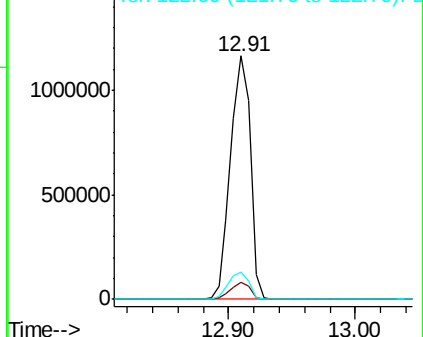


Abundance

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

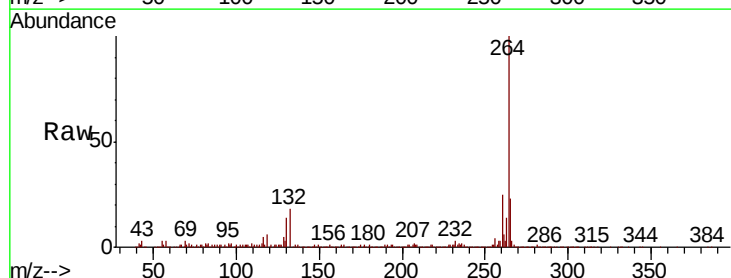
Delta R.T. 0.01 min

Lab File: BF121133.D

Acq: 30 Jul 2020 17:42

Tgt Ion:264 Resp: 443359

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.9	29.9
265	22.6	17.8	26.8

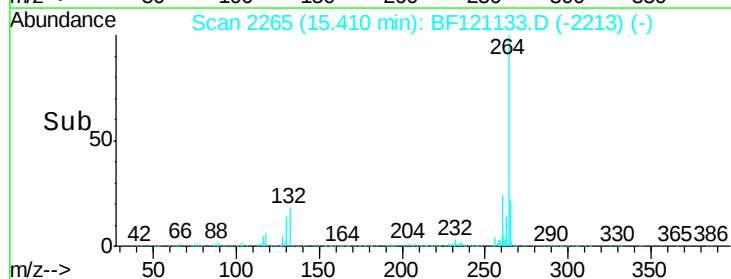
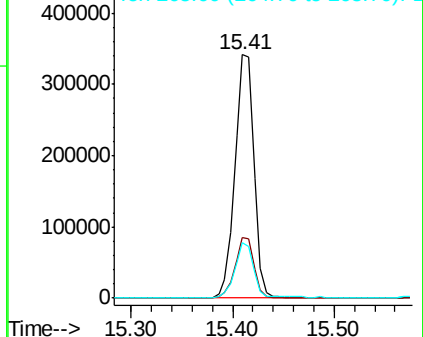


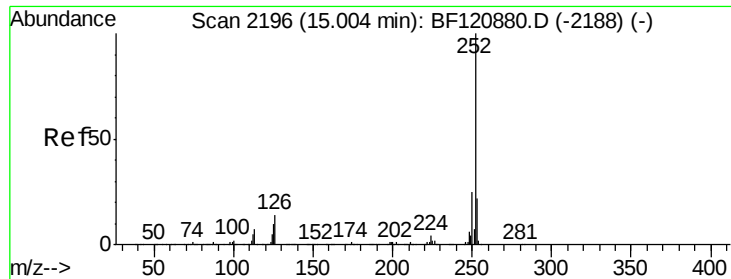
Abundance

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

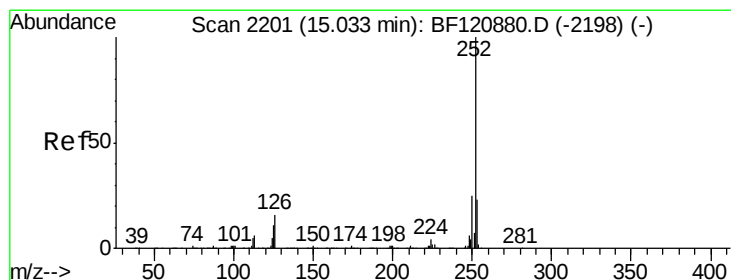
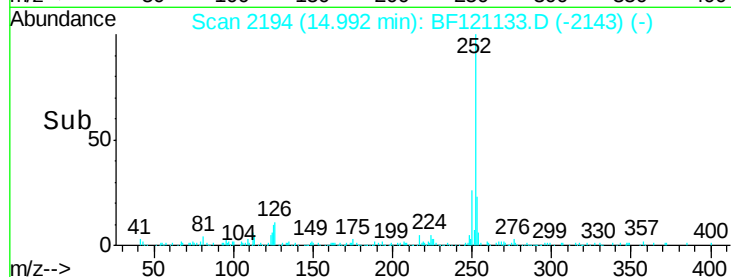
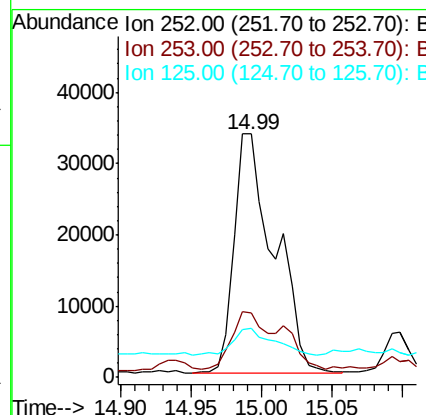
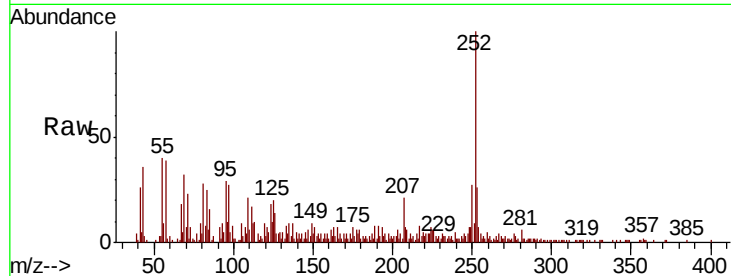




#88
Benzo(b)fluoranthene
Concen: 2.505 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BF121133.D
Acq: 30 Jul 2020 17:42

Instrument :
BNA_F
ClientSampleId :
TP-1-S

Tot Ion:252 Resp: 67144
Ion Ratio Lower Upper
252 100
253 26.4 17.9 26.9
125 20.3 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 2.747 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.03 min
Lab File: BF121133.D
Acq: 30 Jul 2020 17:42

Tgt Ion:252 Resp: 67144
Ion Ratio Lower Upper
252 100
253 26.4 18.1 27.1
125 20.3 8.0 12.0#

