

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
 Data File : BF121230.D
 Acq On : 7 Aug 2020 14:29
 Operator : JU/CG
 Sample : L3594-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Aug 07 15:19:16 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	136465	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	535210	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	274577	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	534983	20.00	ng	0.00
76) Chrysene-d12	13.96	240	426053	20.00	ng	0.00
86) Perylene-d12	15.42	264	344080	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	774000	92.98	ng	0.00
7) Phenol-d6	6.43	99	955156	88.83	ng	-0.01
23) Nitrobenzene-d5	7.36	82	635120	68.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	280429	93.30	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1162101	63.19	ng	0.00
79) Terphenyl-d14	12.91	244	1161949	59.28	ng	0.00

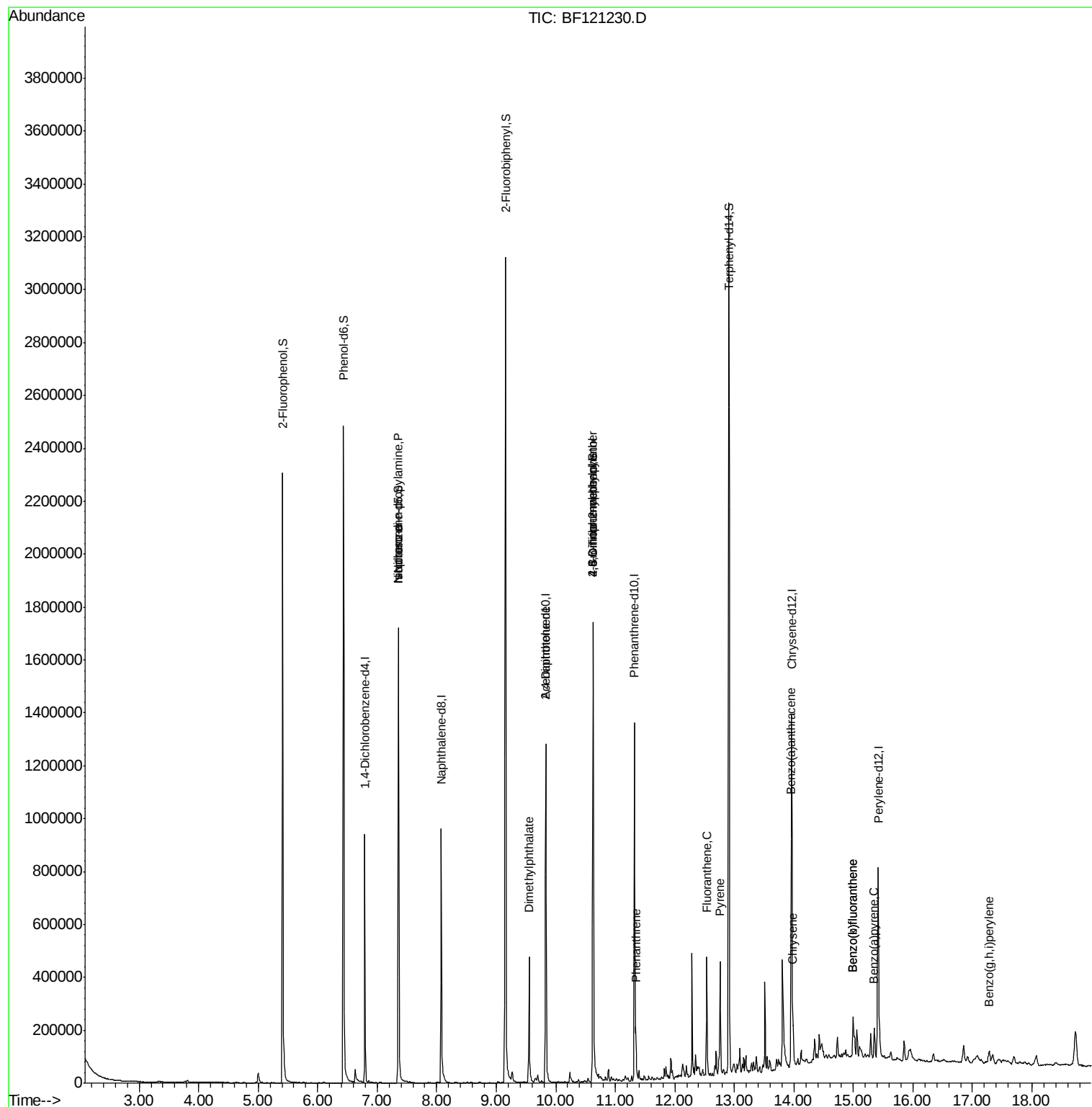
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1257	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	83495	13.655	ng	# 79
25) Isophorone	7.36	82	628434	34.043	ng	# 62
50) Dimethylphthalate	9.55	163	232870	11.756	ng	# 98
57) 2,4-Dinitrotoluene	9.83	165	34510	6.175	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.63	198	359	3.949	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	16004	2.683	ng	# 1
71) Phenanthrene	11.34	178	63896	2.322	ng	98
75) Fluoranthene	12.53	202	171164	5.612	ng	99
78) Pyrene	12.76	202	169973	5.643	ng	96
81) Benzo(a)anthracene	13.95	228	73160	2.836	ng	97
83) Chrysene	13.99	228	78254	2.886	ng	97
88) Benzo(b)fluoranthene	14.99	252	116162	5.585	ng	# 97
89) Benzo(k)fluoranthene	14.99	252	116162	6.124	ng	# 97
90) Benzo(a)pyrene	15.35	252	57951	3.054	ng	99
92) Benzo(g,h,i)perylene	17.28	276	44584	2.313	ng	97

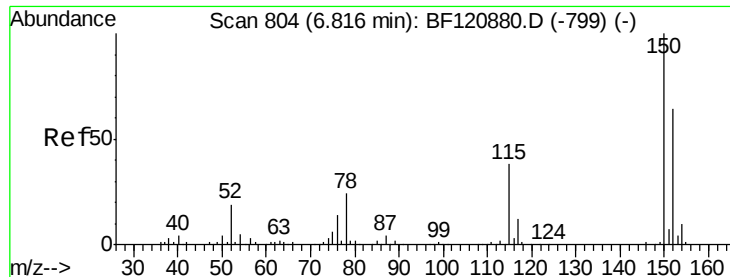
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF121230.D

Acq: 7 Aug 2020 14:29

Instrument :

BNA_F

ClientSampleId :

TP-3

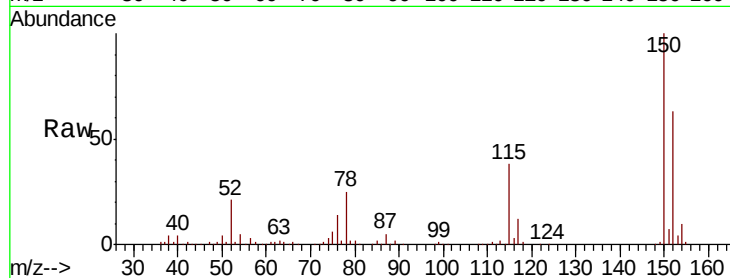
Tot Ion:152 Resp: 136465

Ion Ratio Lower Upper

152 100

150 158.5 125.6 188.4

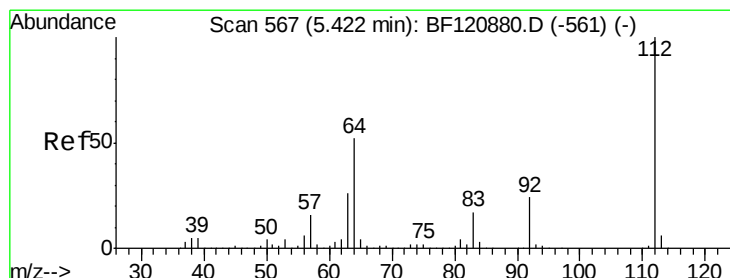
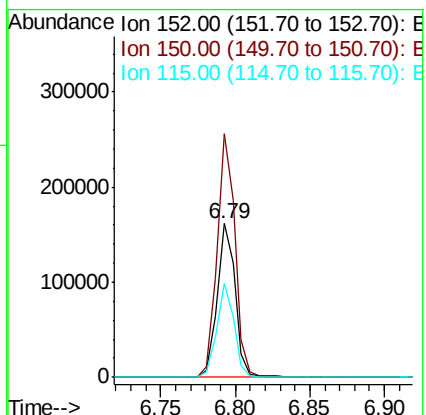
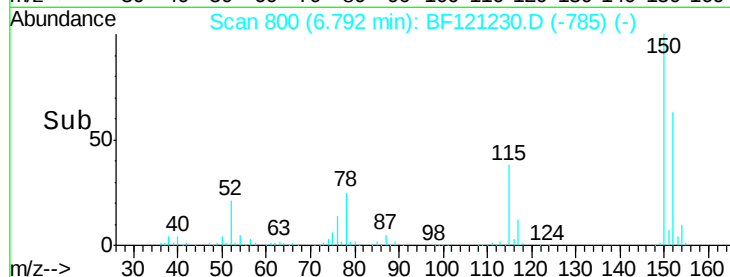
115 60.7 46.2 69.2



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: 92.981 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF121230.D

Acq: 7 Aug 2020 14:29

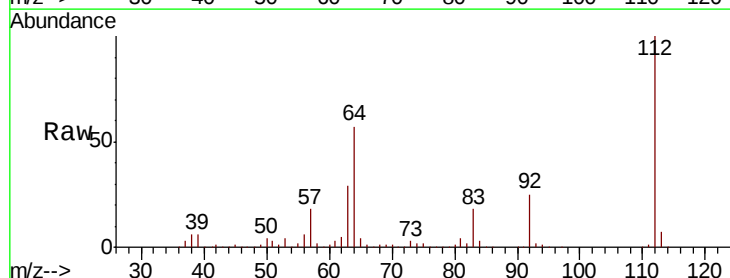
Tgt Ion:112 Resp: 774000

Ion Ratio Lower Upper

112 100

64 57.3 43.9 65.9

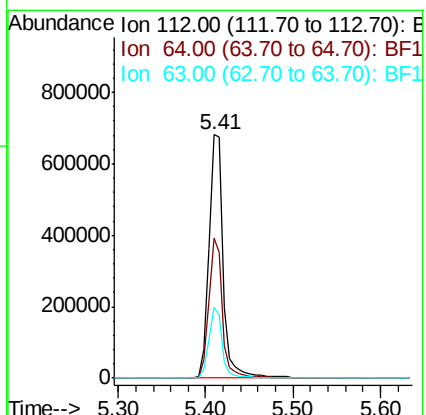
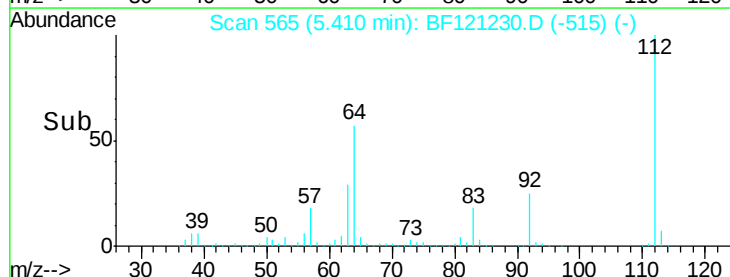
63 28.8 22.7 34.1

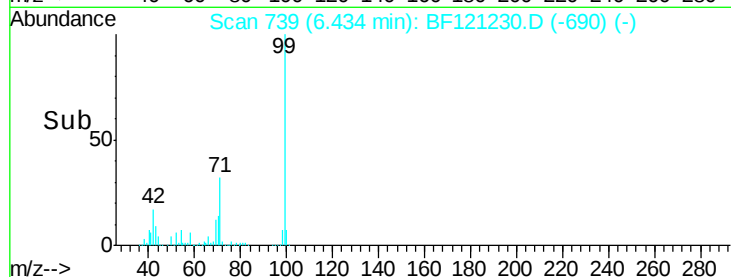
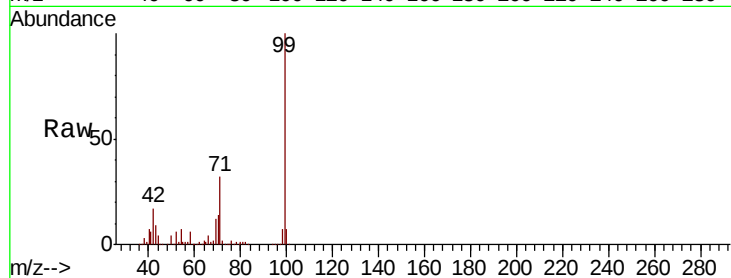
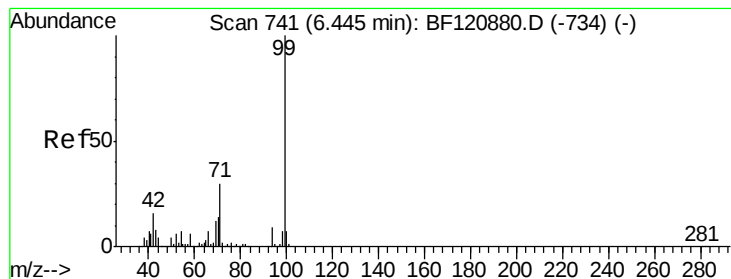


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.828 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121230.D

Acq: 7 Aug 2020 14:29

Instrument :

BNA_F

ClientSampleId :

TP-3

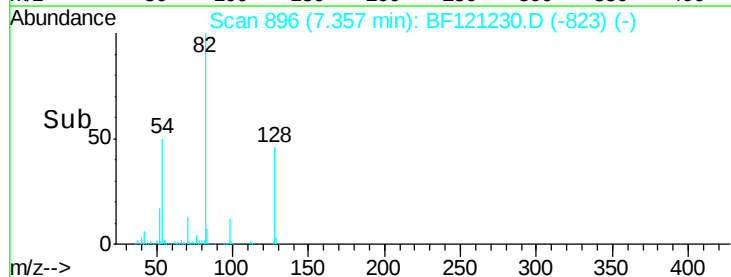
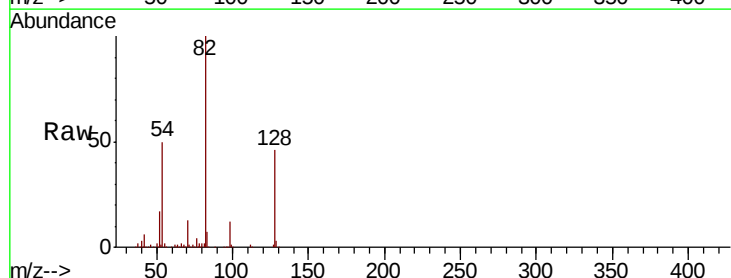
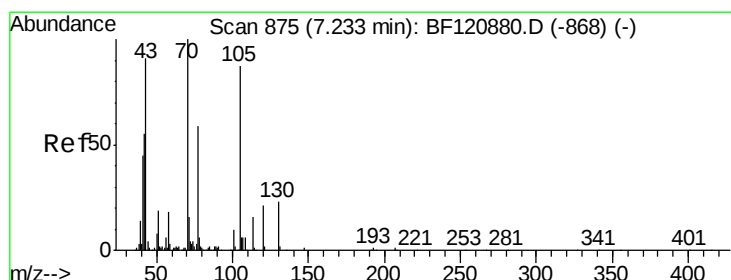
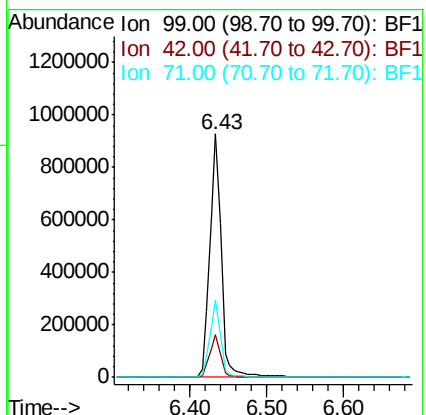
Tot Ion: 99 Resp: 955156

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 31.7 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.655 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121230.D

Acq: 7 Aug 2020 14:29

Tgt Ion: 70 Resp: 83495

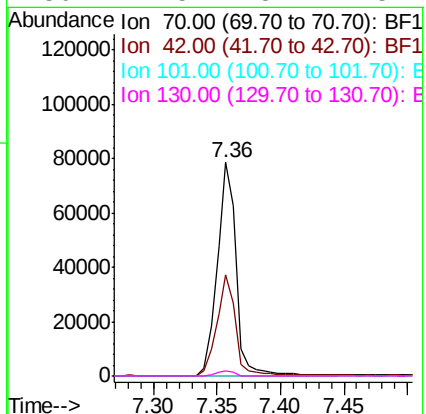
Ion Ratio Lower Upper

70 100

42 47.3 43.3 64.9

101 0.0 8.4 12.6#

130 2.5 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121230.D

Acq: 7 Aug 2020 14:29

Instrument :

BNA_F

ClientSampleId :

TP-3

Tot Ion:136 Resp: 535210

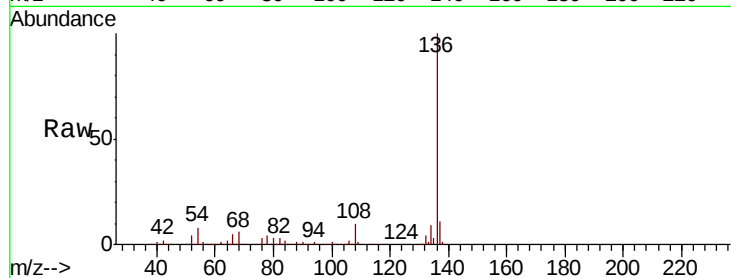
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 8.0 6.1 9.1

68 6.3 5.0 7.6

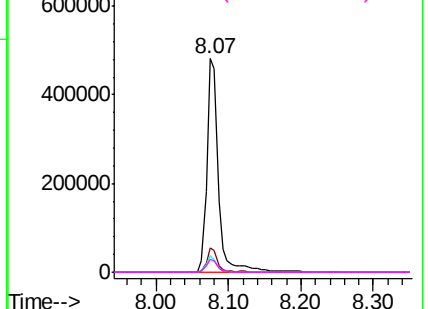
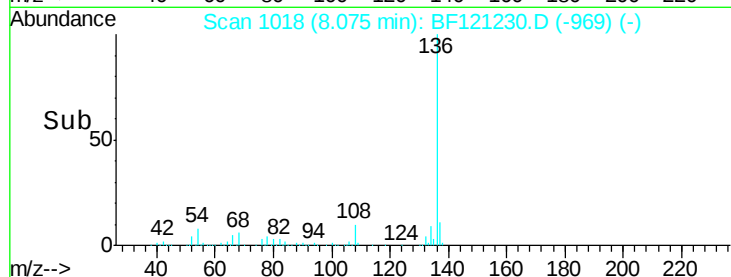


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.665 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121230.D

Acq: 7 Aug 2020 14:29

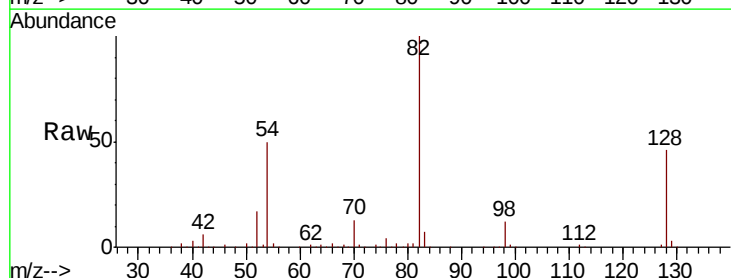
Tgt Ion: 82 Resp: 635120

Ion Ratio Lower Upper

82 100

128 46.2 39.2 58.8

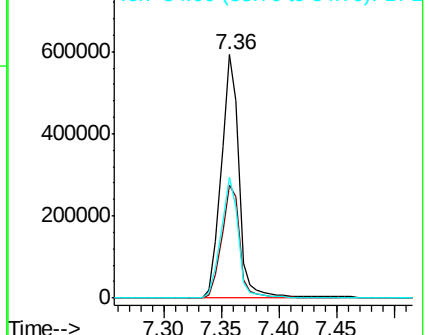
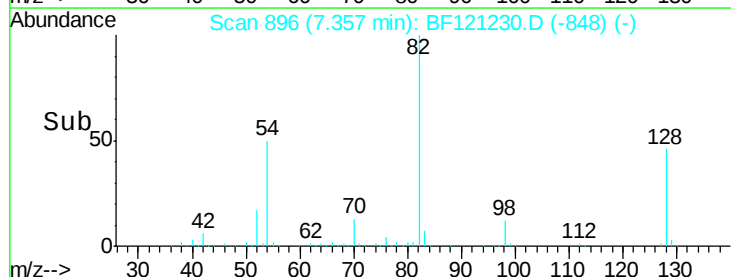
54 49.8 37.8 56.8



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: 34.043 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121230.D

Acq: 7 Aug 2020 14:29

Instrument :

BNA_F

ClientSampleId :

TP-3

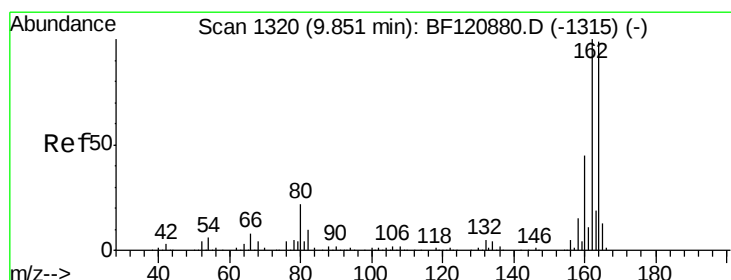
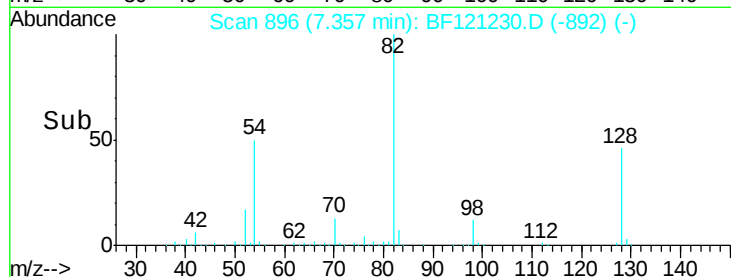
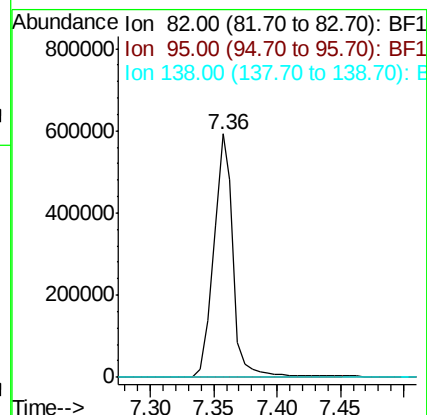
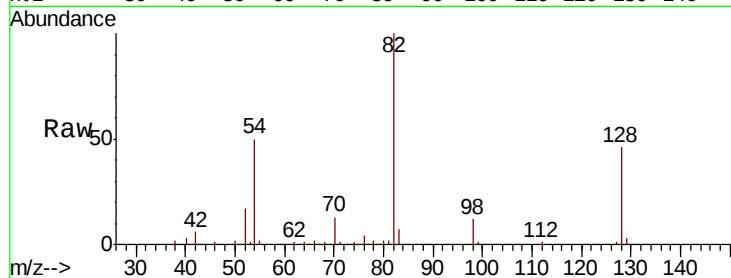
Tot Ion: 82 Resp: 628434

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: BF121230.D

Acq: 7 Aug 2020 14:29

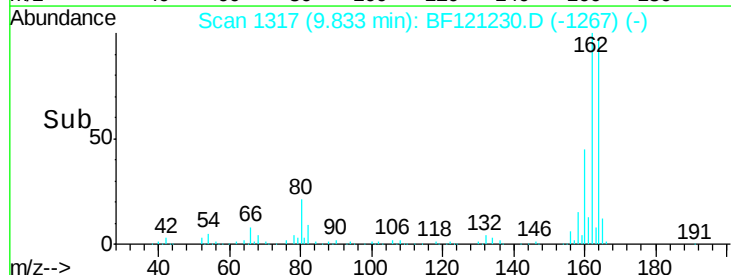
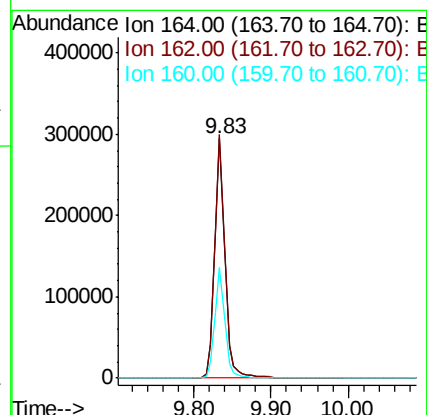
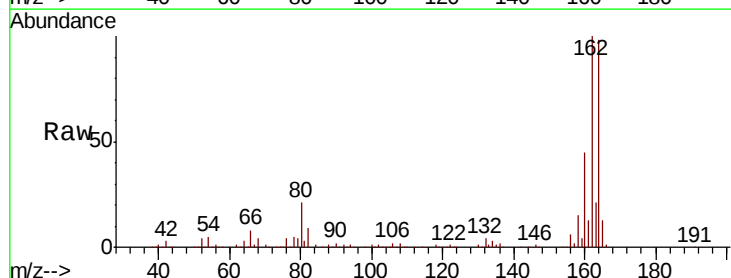
Tgt Ion: 164 Resp: 274577

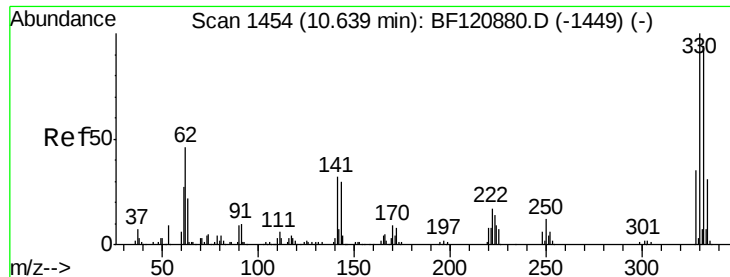
Ion Ratio Lower Upper

164 100

162 101.6 82.2 123.2

160 46.0 37.2 55.8

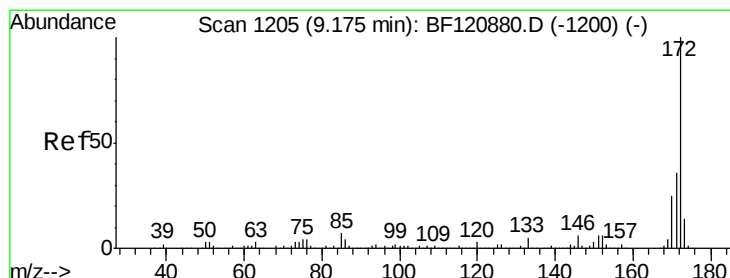
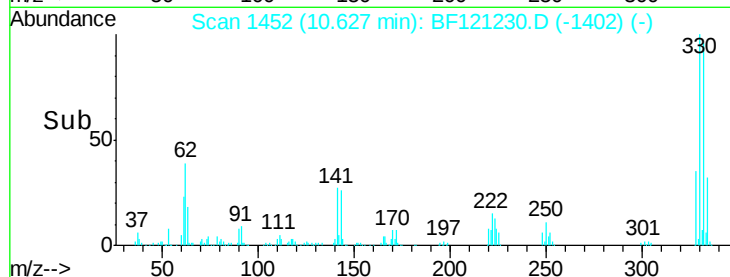
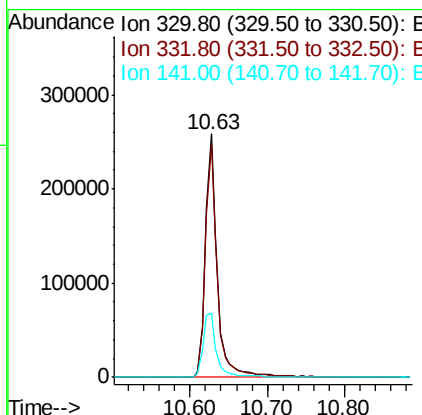
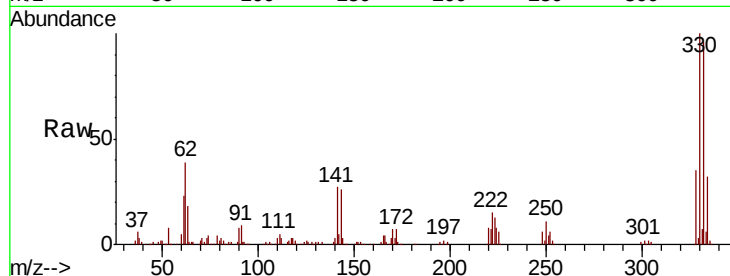




#42
 2,4,6-Tribromophenol
 Concen: 93.305 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121230.D
 Acq: 7 Aug 2020 14:29

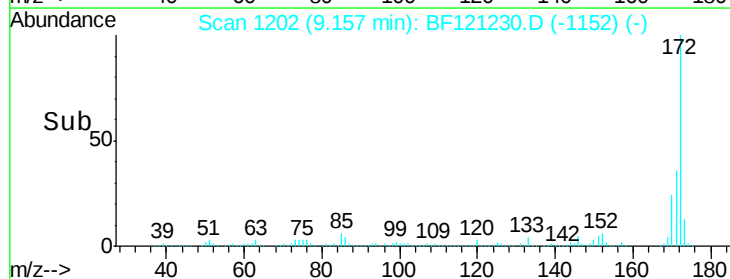
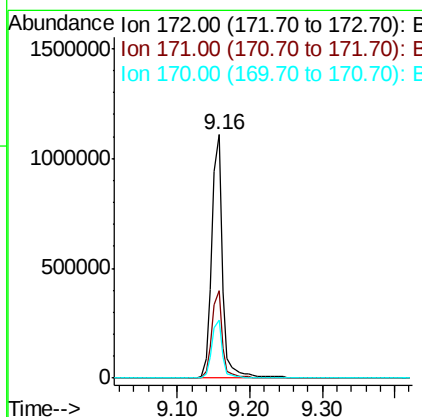
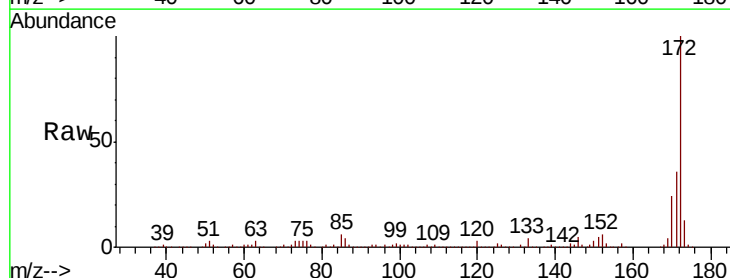
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

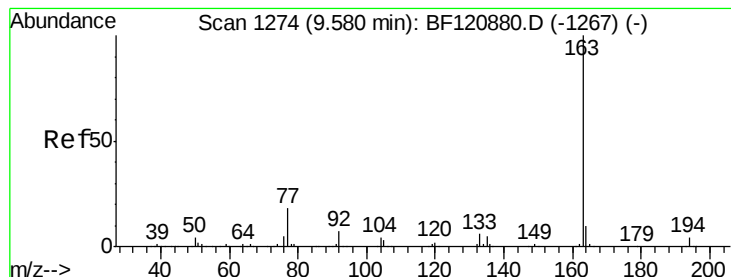
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.1	114.1
141	30.6	24.1	36.1



#45
 2-Fluorobiphenyl
 Concen: 63.191 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121230.D
 Acq: 7 Aug 2020 14:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	23.8	19.6	29.4





#50

Dimethylphthalate

Concen: 11.756 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121230.D

Acq: 7 Aug 2020 14:29

Instrument :

BNA_F

ClientSampleId :

TP-3

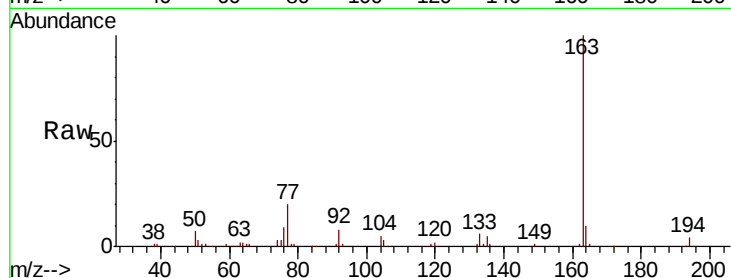
Tot Ion:163 Resp: 232870

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

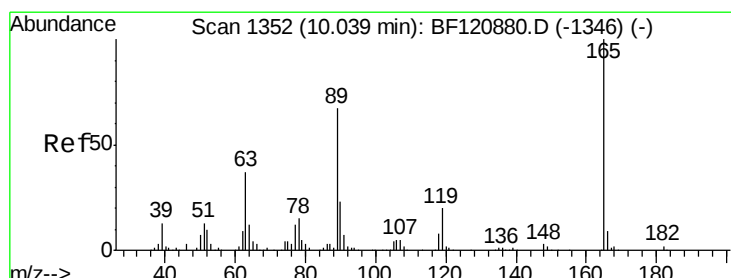
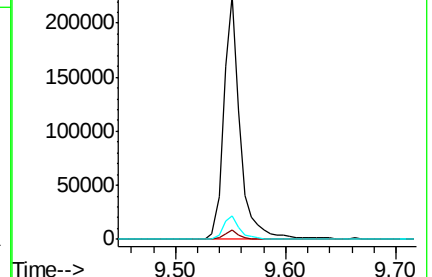
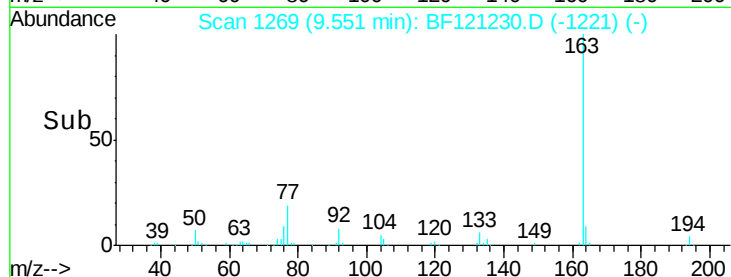
164 9.6 8.4 12.6



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



#57

2,4-Dinitrotoluene

Concen: 6.175 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.20 min

Lab File: BF121230.D

Acq: 7 Aug 2020 14:29

Tgt Ion:165 Resp: 34510

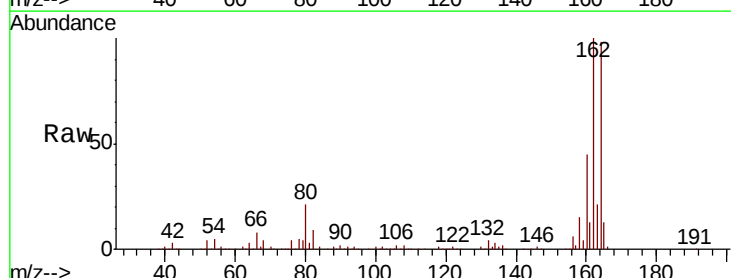
Ion Ratio Lower Upper

165 100

63 1.1 29.8 44.8#

89 1.6 50.3 75.5#

182 0.0 2.1 3.1#

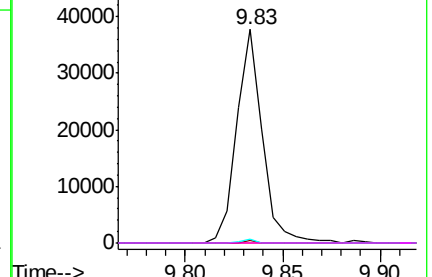
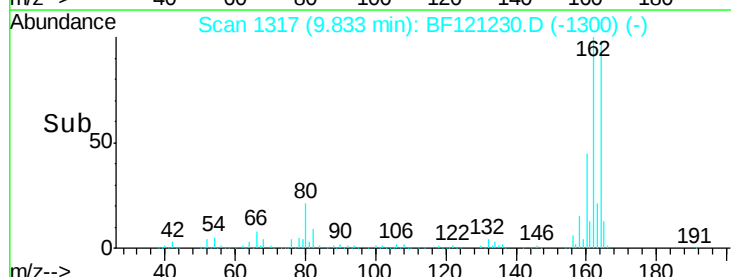


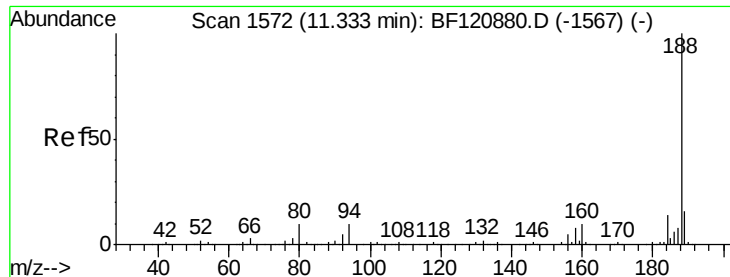
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF121230.D

Acq: 7 Aug 2020 14:29

Instrument :

BNA_F

ClientSampleId :

TP-3

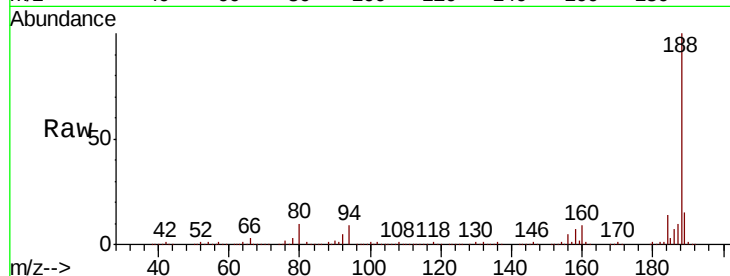
Tot Ion:188 Resp: 534983

Ion Ratio Lower Upper

188 100

94 9.4 8.0 12.0

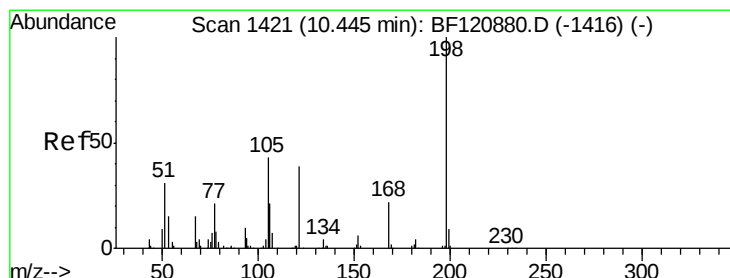
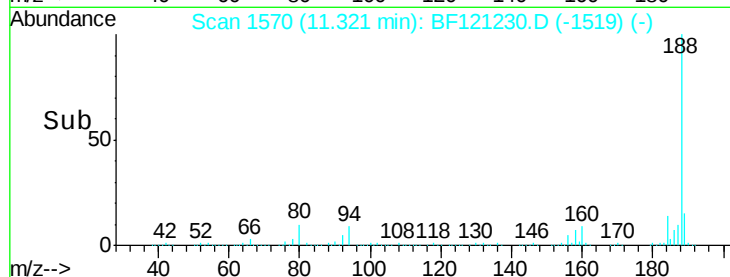
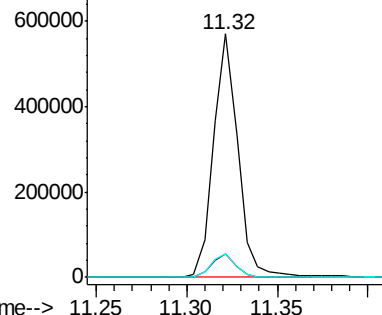
80 9.7 8.3 12.5



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: 3.949 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.19 min

Lab File: BF121230.D

Acq: 7 Aug 2020 14:29

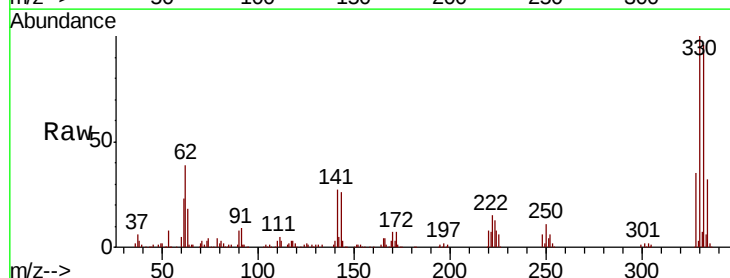
Tgt Ion:198 Resp: 359

Ion Ratio Lower Upper

198 100

51 180.8 23.4 63.4#

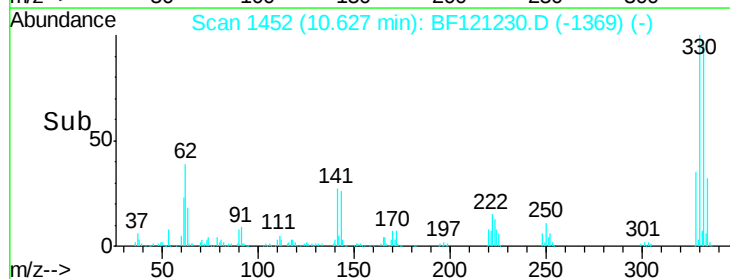
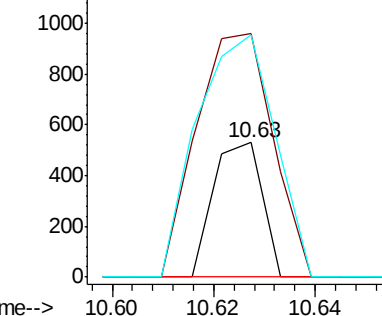
105 180.0 23.7 63.7#



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

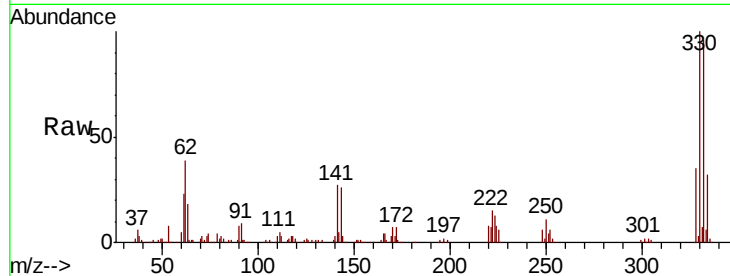




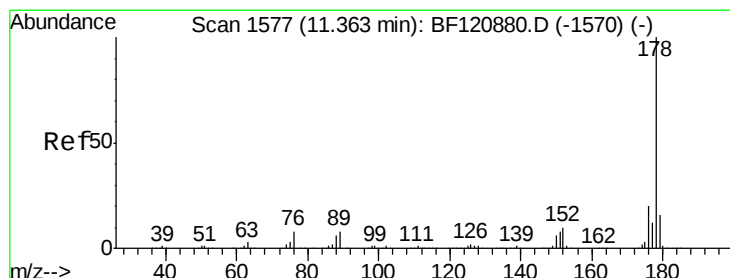
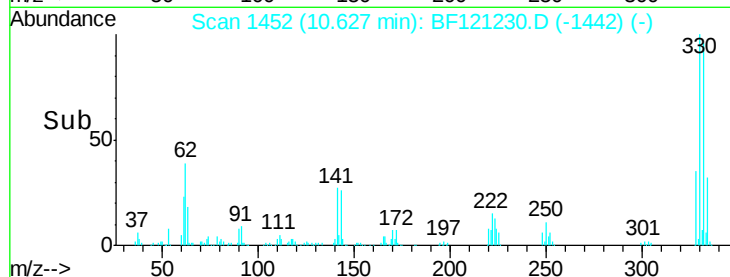
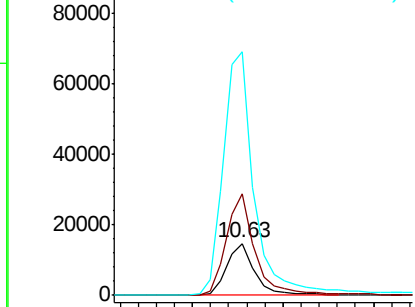
#67
 4-Bromophenyl-phenylether
 Concen: 2.683 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF121230.D
 Acq: 7 Aug 2020 14:29

Instrument :
 BNA_F
 ClientSampled :
 TP-3

Tot Ion:248 Resp: 16004
 Ion Ratio Lower Upper
 248 100
 250 195.4 77.0 115.6#
 141 470.6 56.6 85.0#

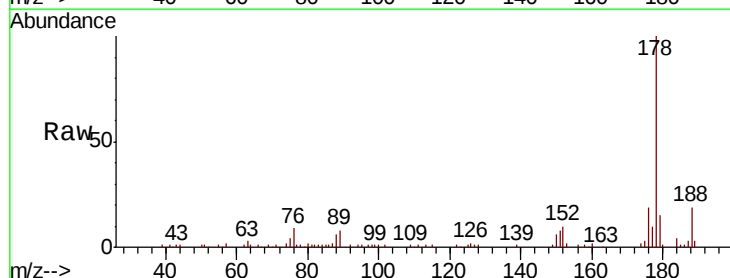


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

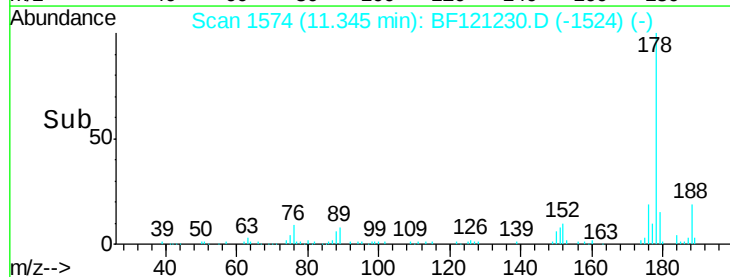
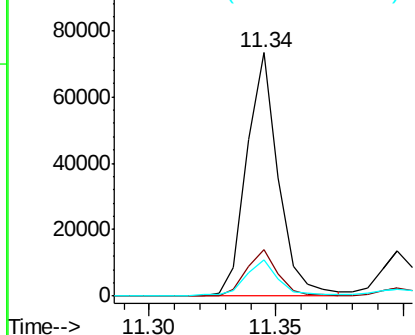


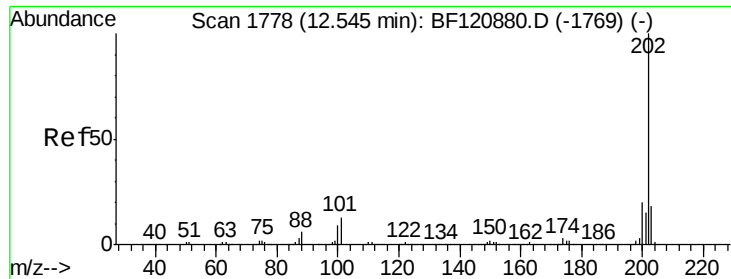
#71
 Phenanthrene
 Concen: 2.322 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF121230.D
 Acq: 7 Aug 2020 14:29

Tgt Ion:178 Resp: 63896
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.2
 179 15.1 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

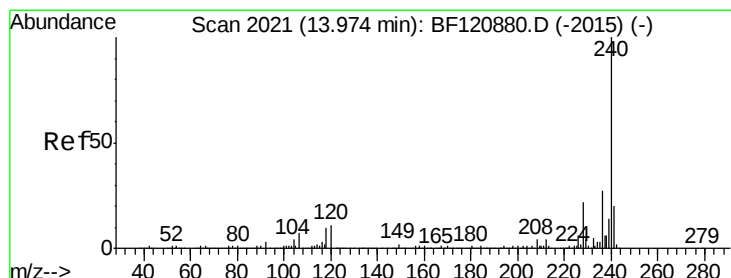
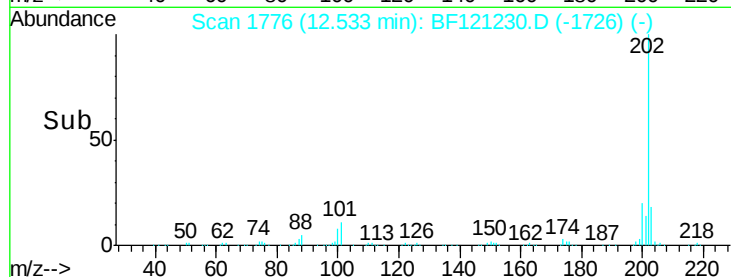
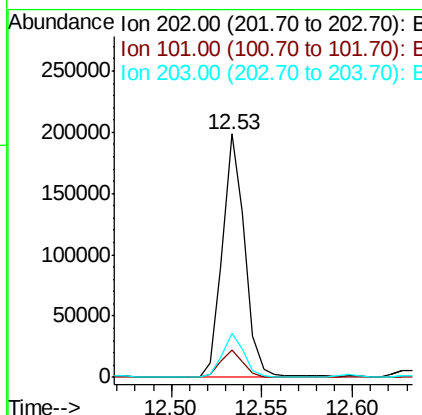
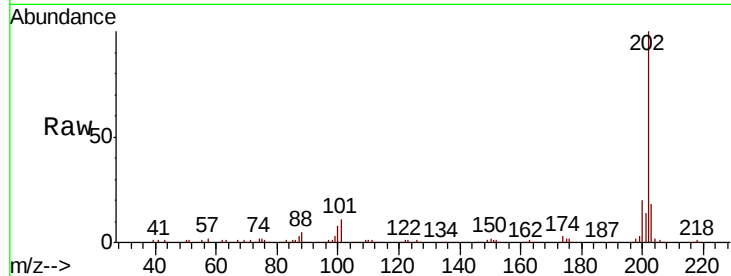




#75
Fluoranthene
Concen: 5.612 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF121230.D
Acq: 7 Aug 2020 14:29

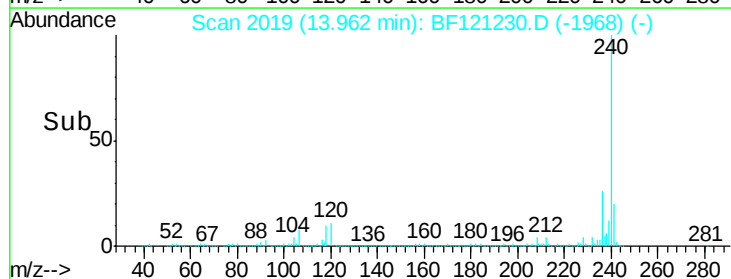
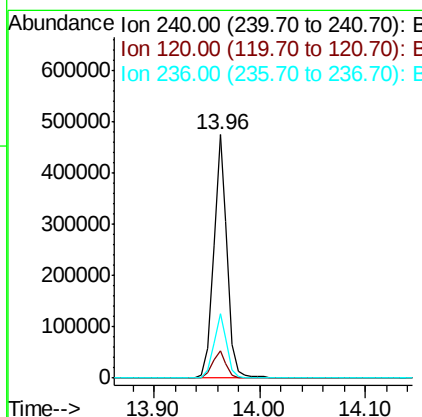
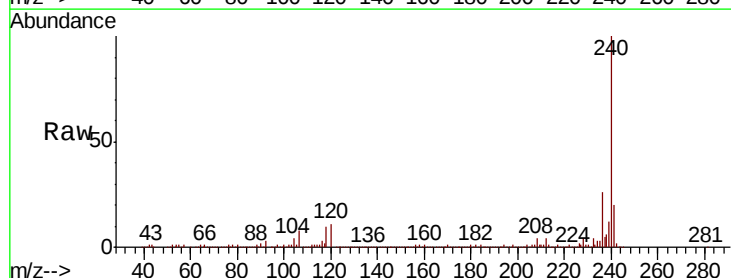
Instrument :
BNA_F
ClientSampleId :
TP-3

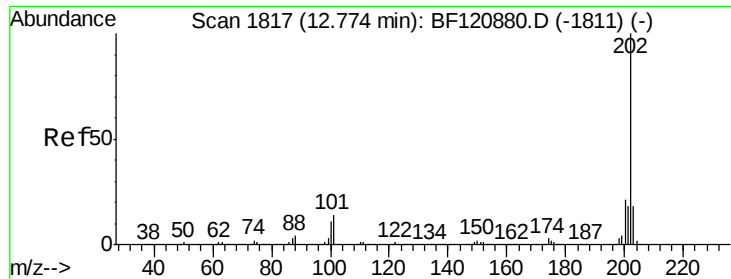
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.5
203	17.9	0.0	37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF121230.D
Acq: 7 Aug 2020 14:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.3	13.9
236	26.3	21.1	31.7

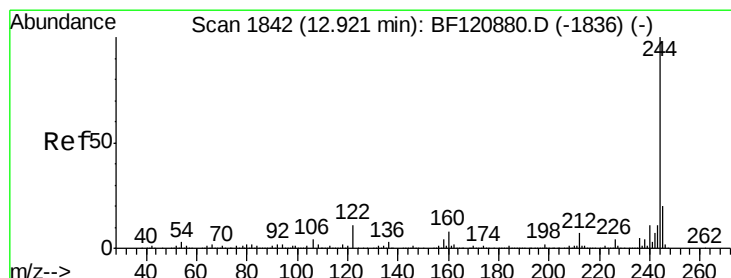
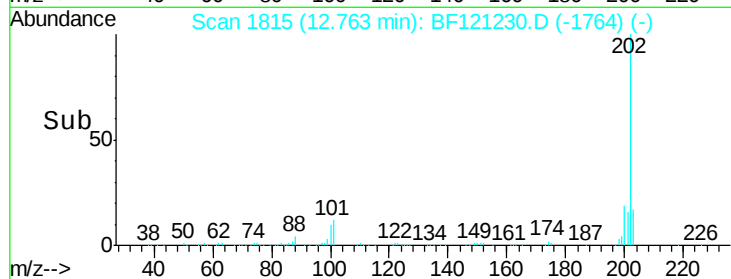
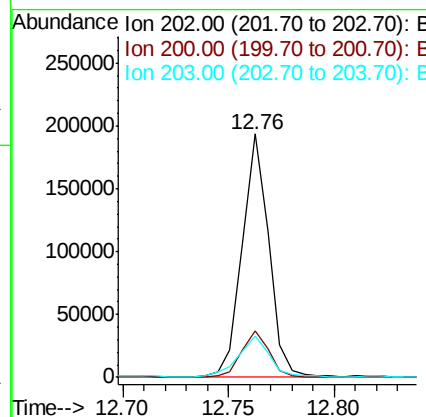
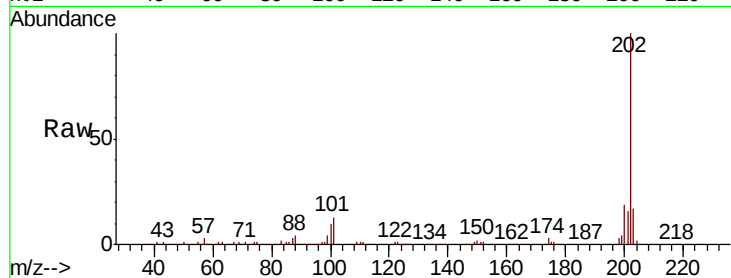




#78
Pvrene
Concen: 5.643 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF121230.D
Acq: 7 Aug 2020 14:29

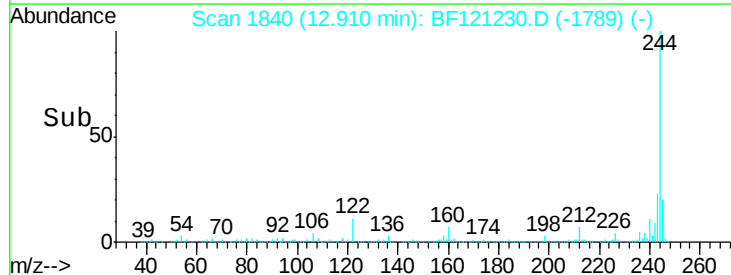
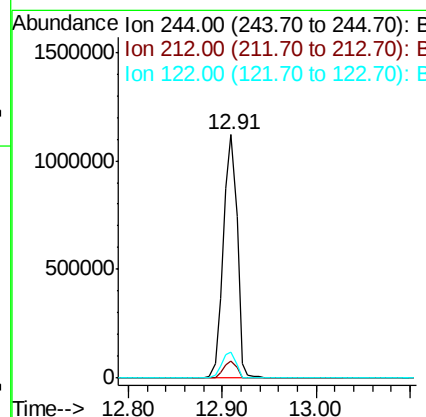
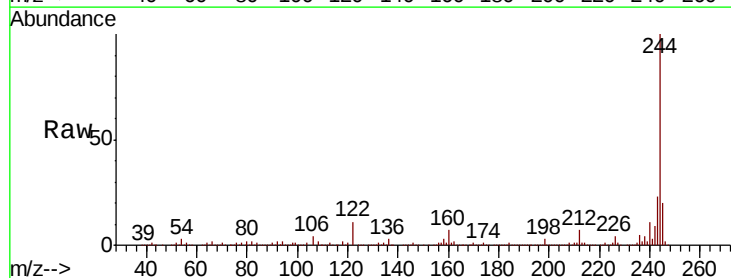
Instrument :
BNA_F
ClientSampleId :
TP-3

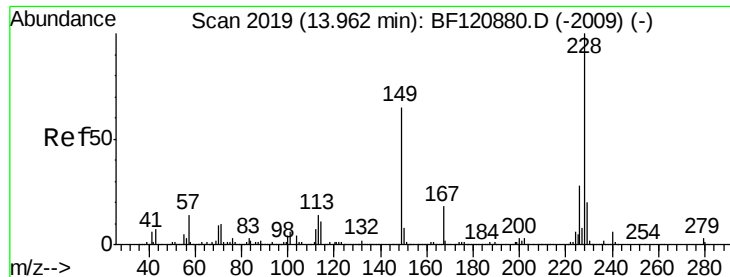
Tot Ion:202 Resp: 169973
Ion Ratio Lower Upper
202 100
200 19.3 17.0 25.6
203 16.9 14.6 21.8



#79
Terphenyl-d14
Concen: 59.284 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF121230.D
Acq: 7 Aug 2020 14:29

Tgt Ion:244 Resp: 1161949
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 10.9 8.3 12.5





#81

Benzo(a)anthracene

Concen: 2.836 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF121230.D

Acq: 7 Aug 2020 14:29

Instrument :

BNA_F

ClientSampleId :

TP-3

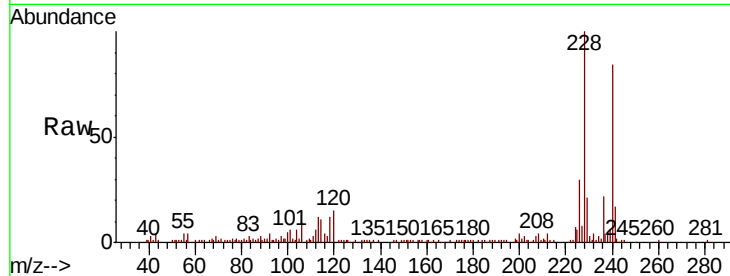
Tot Ion:228 Resp: 73160

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	34.0
229	21.3	16.1	24.1

228 100

226 30.1 22.6 34.0

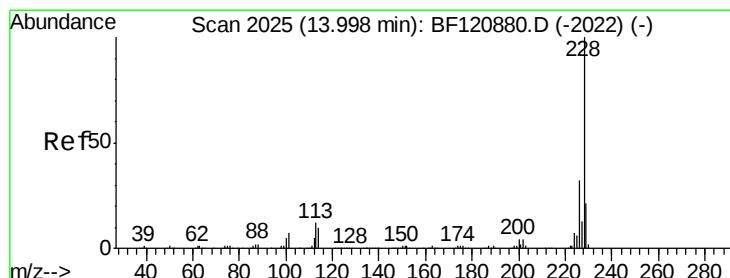
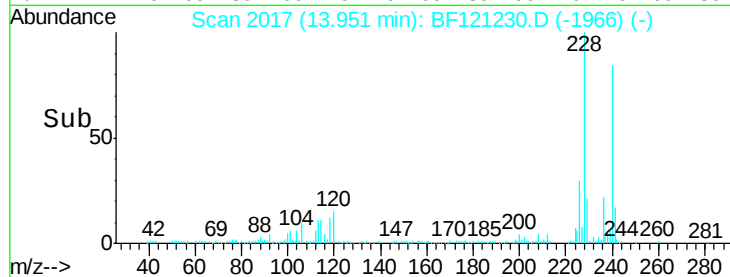
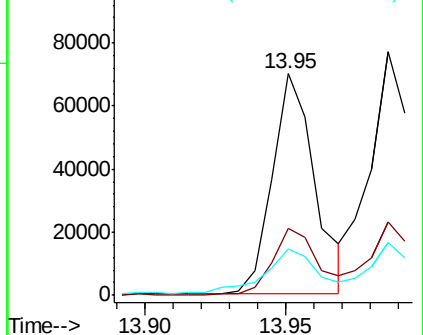
229 21.3 16.1 24.1



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: 2.886 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF121230.D

Acq: 7 Aug 2020 14:29

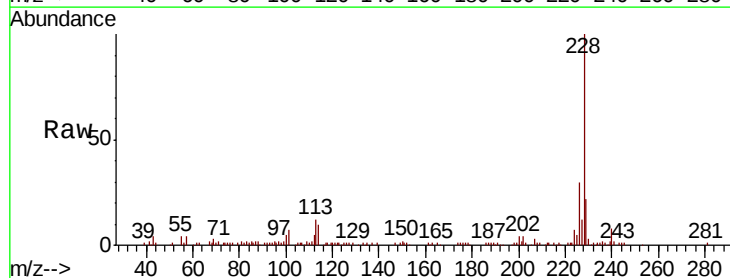
Tgt Ion:228 Resp: 78254

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	21.6	16.2	24.4

228 100

226 30.3 25.4 38.0

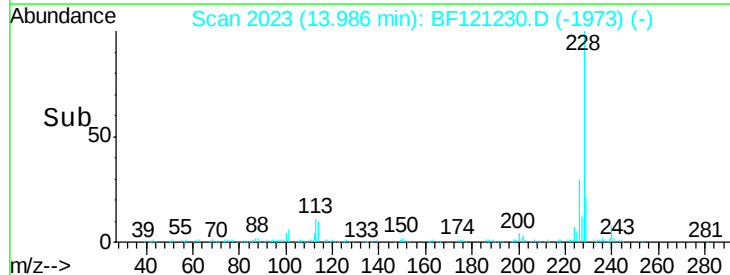
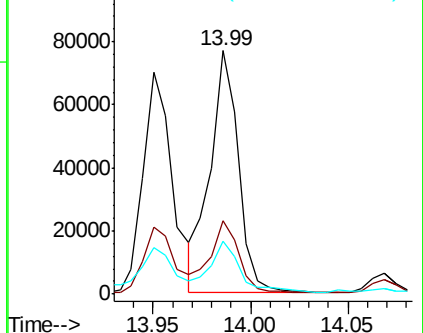
229 21.6 16.2 24.4

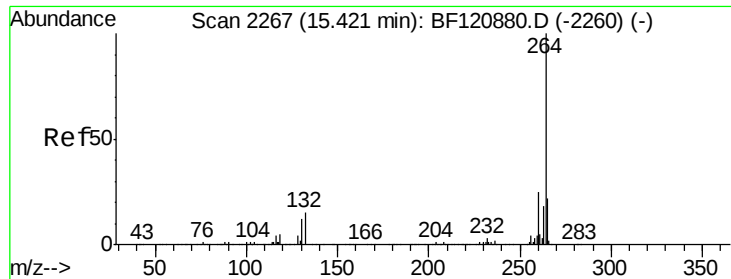


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

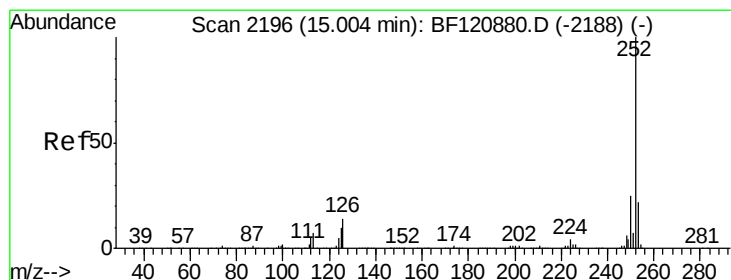
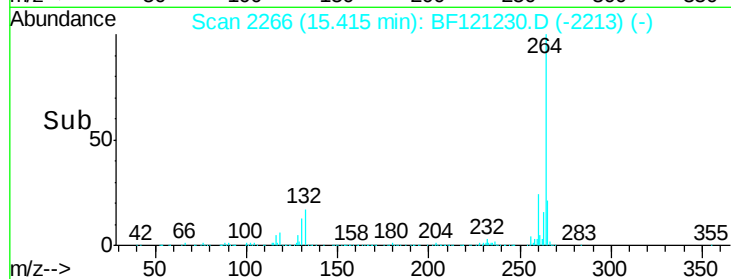
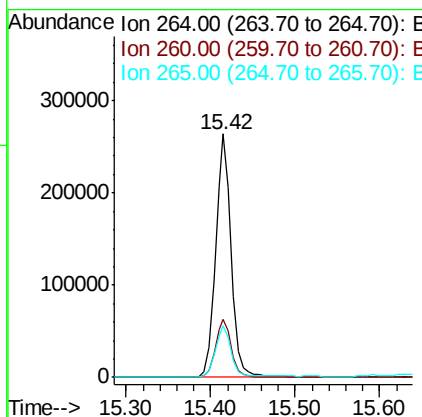
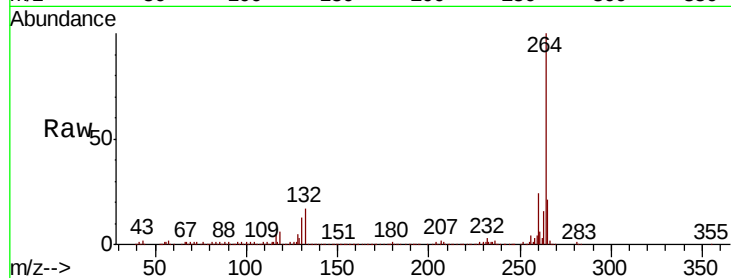




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF121230.D
Acq: 7 Aug 2020 14:29

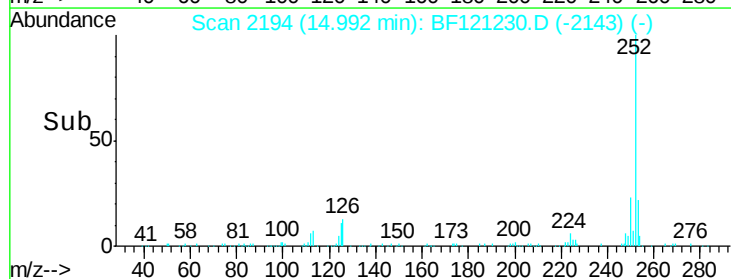
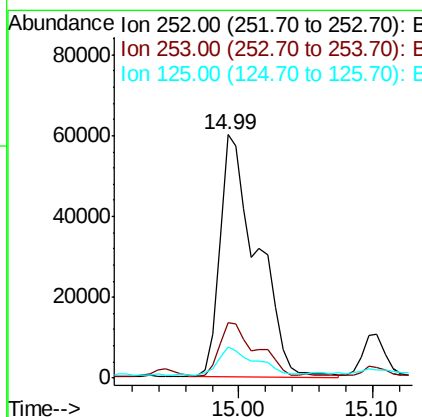
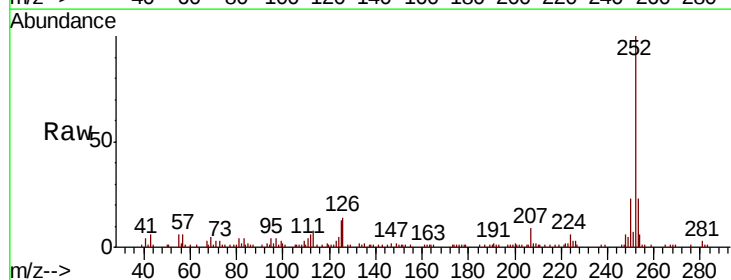
Instrument :
BNA_F
ClientSampleId :
TP-3

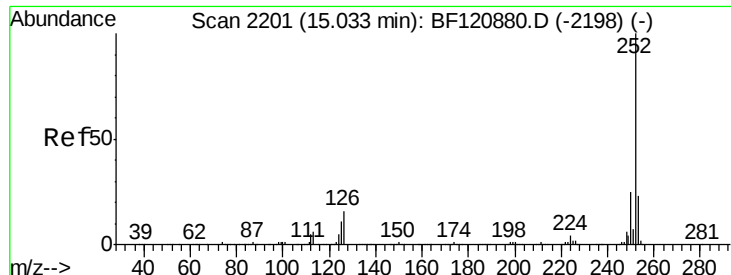
Tot Ion:264 Resp: 344080
Ion Ratio Lower Upper
264 100
260 23.7 19.9 29.9
265 21.0 17.8 26.8



#88
Benzo(b)fluoranthene
Concen: 5.585 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BF121230.D
Acq: 7 Aug 2020 14:29

Tgt Ion:252 Resp: 116162
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 12.7 8.1 12.1#

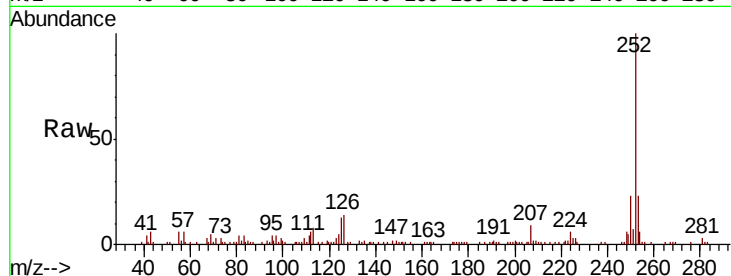




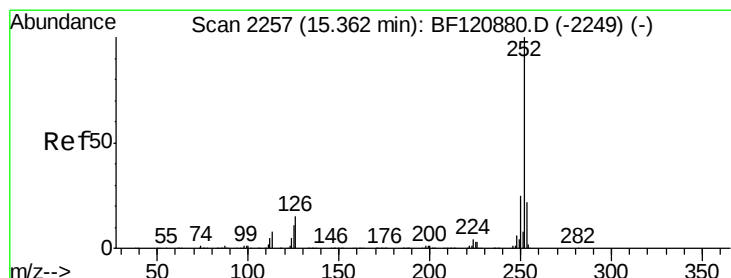
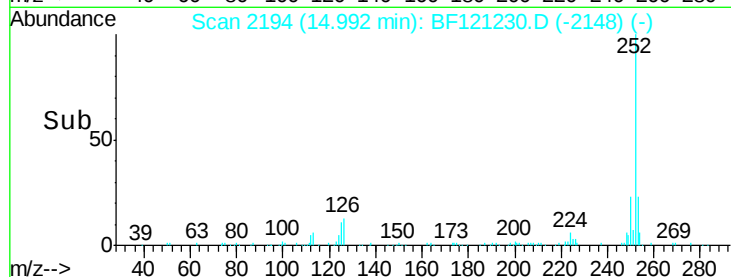
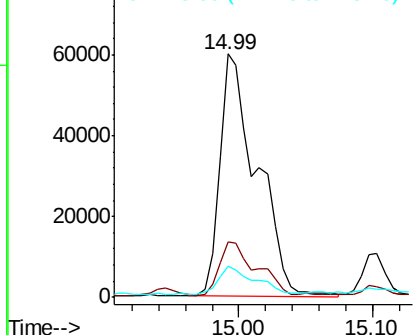
#89
Benzo(k)fluoranthene
Concen: 6.124 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.03 min
Lab File: BF121230.D
Acq: 7 Aug 2020 14:29

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion:252 Resp: 116162
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 12.7 8.0 12.0#

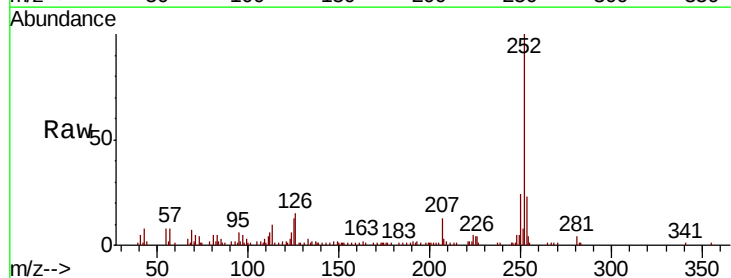


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

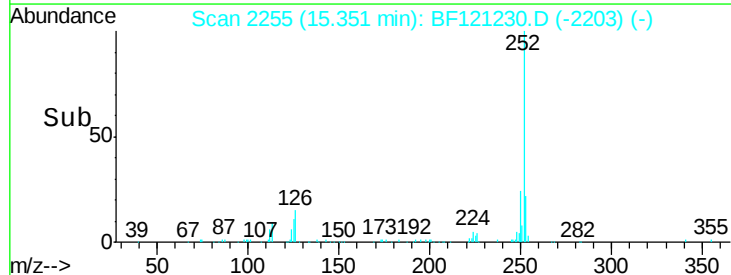
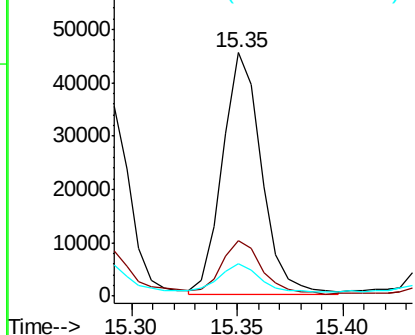


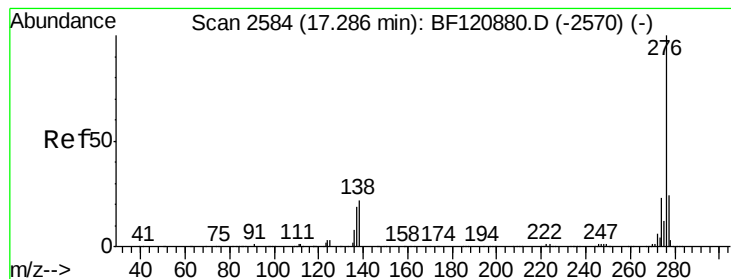
#90
Benzo(a)pyrene
Concen: 3.054 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF121230.D
Acq: 7 Aug 2020 14:29

Tgt Ion:252 Resp: 57951
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 13.2 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





#92
 Benzo(a,h,i)perylene
 Concen: 2.313 ng
 RT: 17.28 min Scan# 2583
 Delta R.T. 0.02 min
 Lab File: BF121230.D
 Acq: 7 Aug 2020 14:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.2	19.4	29.0	
138	23.0	17.2	25.8	

