

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121134.D
 Acq On : 30 Jul 2020 18:13
 Operator : JU/CG
 Sample : L3473-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Quant Time: Jul 31 00:30:51 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	139218	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	535394	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	284352	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	545900	20.00	ng	0.00
76) Chrysene-d12	13.96	240	449933	20.00	ng	0.00
86) Perylene-d12	15.41	264	395272	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	589713	69.44	ng	0.00
7) Phenol-d6	6.43	99	739179	67.38	ng	-0.02
23) Nitrobenzene-d5	7.36	82	490380	53.00	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	200530	64.43	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	930285	48.85	ng	0.00
79) Terphenyl-d14	12.91	244	1006942	48.65	ng	0.00

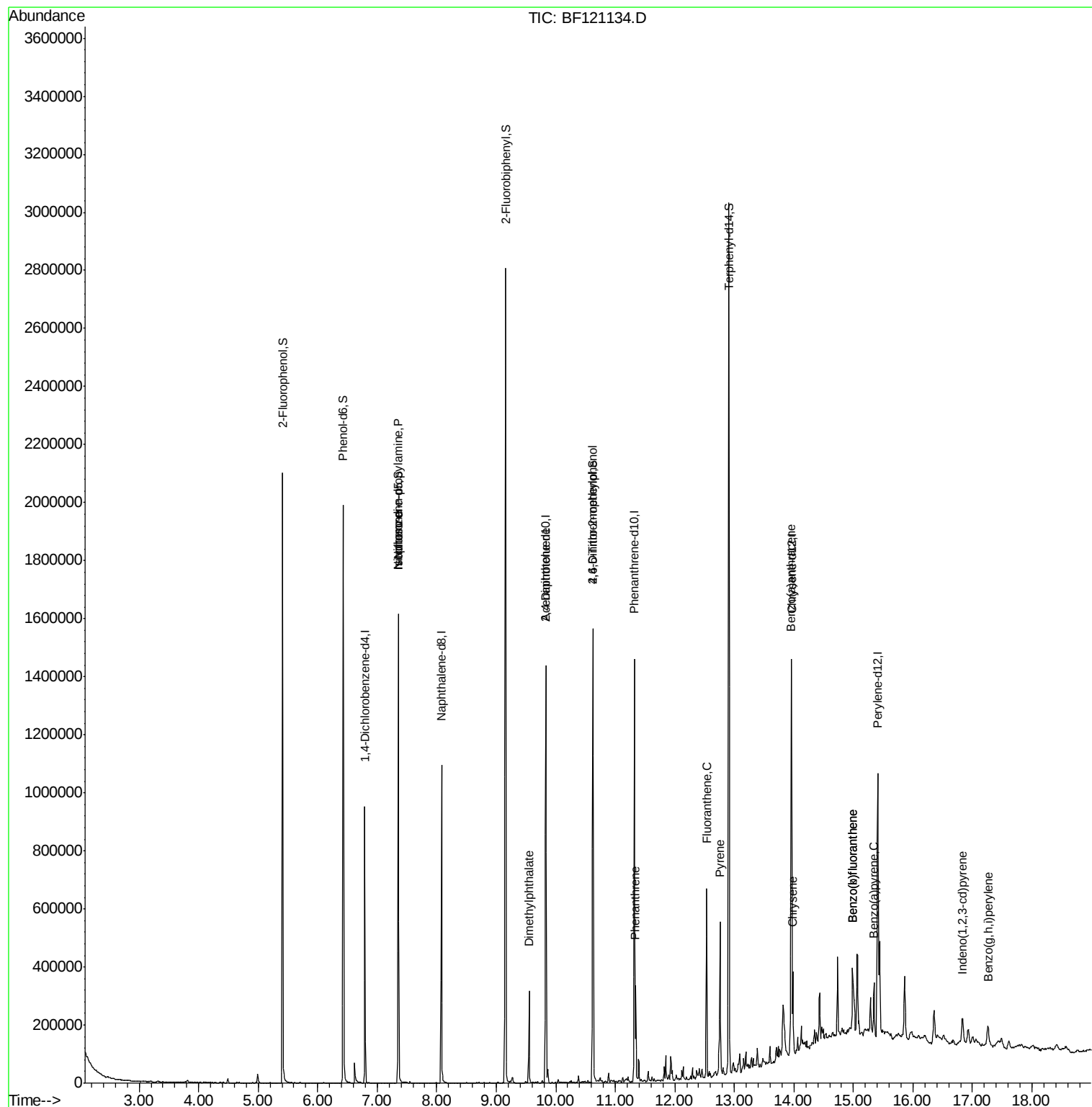
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1109	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	63846	10.235	ng	# 76
25) Isophorone	7.36	82	477814	25.875	ng	# 62
50) Dimethylphthalate	9.55	163	141773	6.911	ng	# 98
57) 2,4-Dinitrotoluene	9.83	165	36262	6.265	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.62	198	423	3.966	ng	# 1
71) Phenanthrene	11.35	178	130292	4.641	ng	# 99
75) Fluoranthene	12.53	202	245970	7.904	ng	# 99
78) Pyrene	12.76	202	227083	7.139	ng	# 97
81) Benzo(a)anthracene	13.95	228	120863	4.436	ng	# 99
83) Chrysene	13.99	228	111961	3.910	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.83	276	55190	2.008	ng	# 98
88) Benzo(b)fluoranthene	14.99	252	165781	6.939	ng	# 98
89) Benzo(k)fluoranthene	14.99	252	165781	7.608	ng	# 98
90) Benzo(a)pyrene	15.34	252	85540	3.924	ng	# 100
92) Benzo(g,h,i)perylene	17.26	276	55505	2.507	ng	# 100

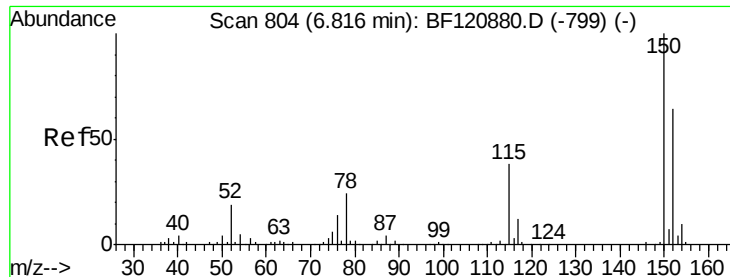
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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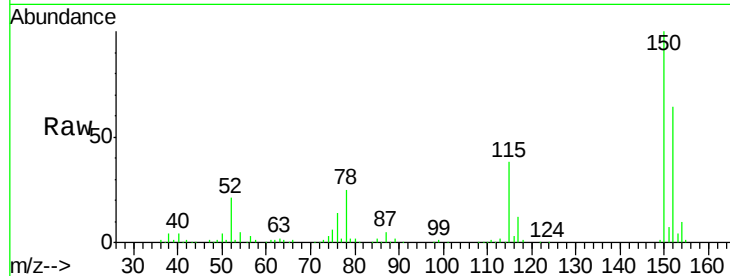


#1

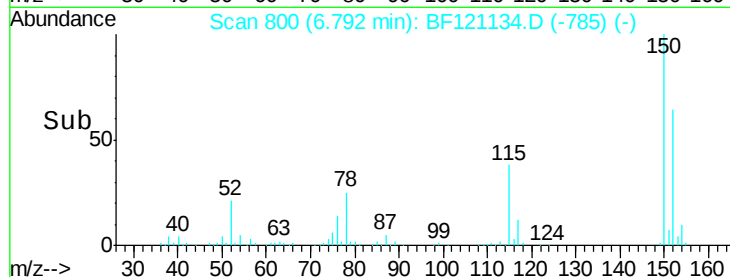
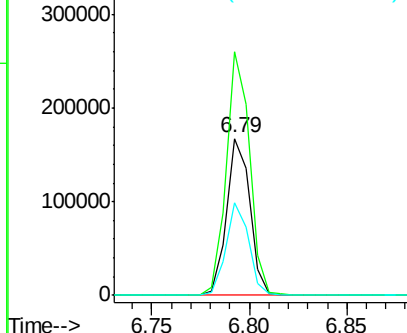
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF121134.D
Acq: 30 Jul 2020 18:13

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tot Ion:152 Resp: 139218
Ion Ratio Lower Upper
152 100
150 155.4 125.6 188.4
115 58.8 46.2 69.2



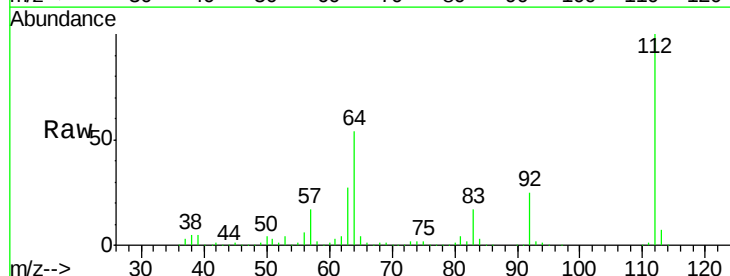
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



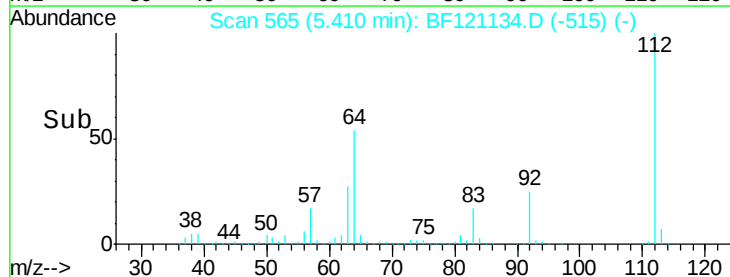
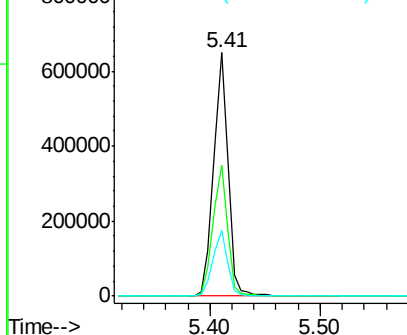
#5

2-Fluorophenol
Concen: 69.441 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121134.D
Acq: 30 Jul 2020 18:13

Tgt Ion:112 Resp: 589713
Ion Ratio Lower Upper
112 100
64 53.6 43.9 65.9
63 26.8 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: 67.383 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

Instrument :

BNA_F

ClientSampleId :

TP-2-S

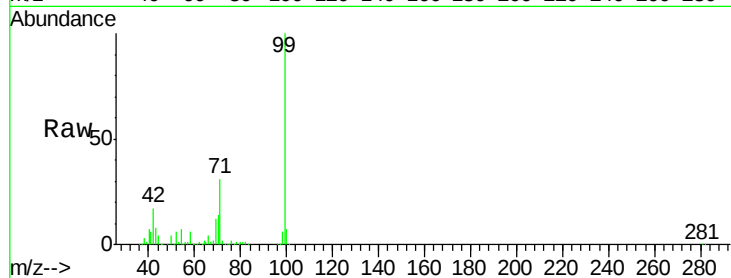
Tot Ion: 99 Resp: 739179

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

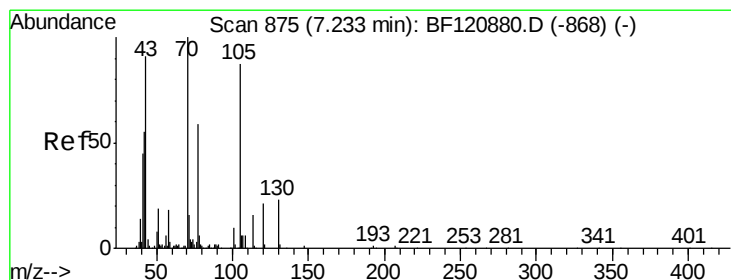
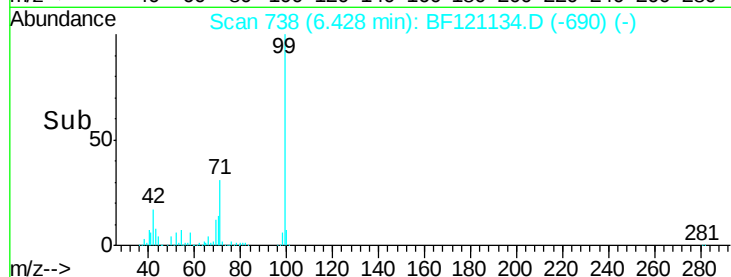
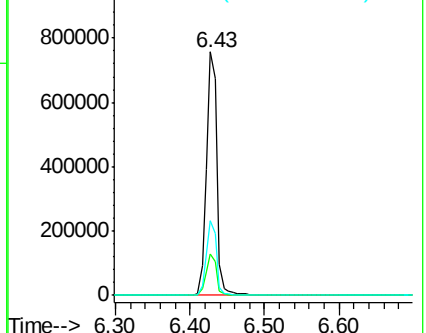
71 30.9 25.0 37.4



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: 10.235 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

Tgt Ion: 70 Resp: 63846

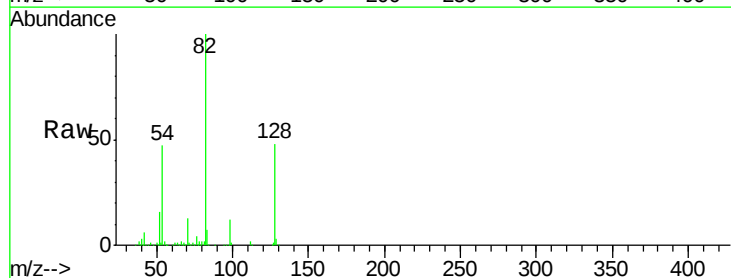
Ion Ratio Lower Upper

70 100

42 43.9 43.3 64.9

101 0.0 8.4 12.6#

130 2.2 18.7 28.1#

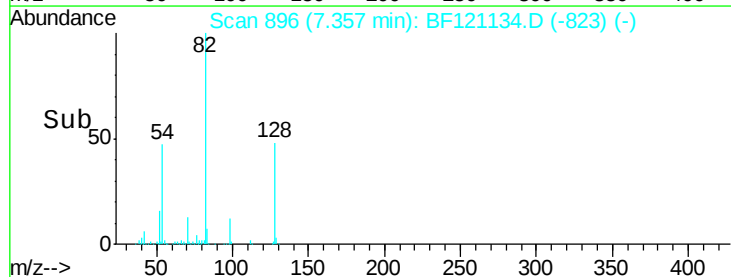
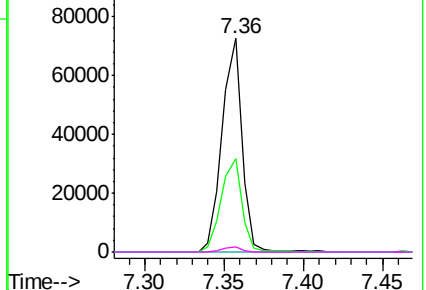


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

Instrument :

BNA_F

ClientSampleId :

TP-2-S

Tot Ion:136 Resp: 535394

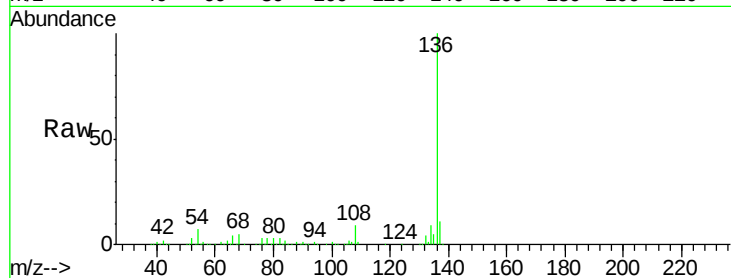
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.7 6.1 9.1

68 5.3 5.0 7.6

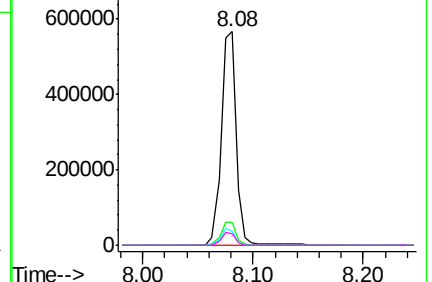
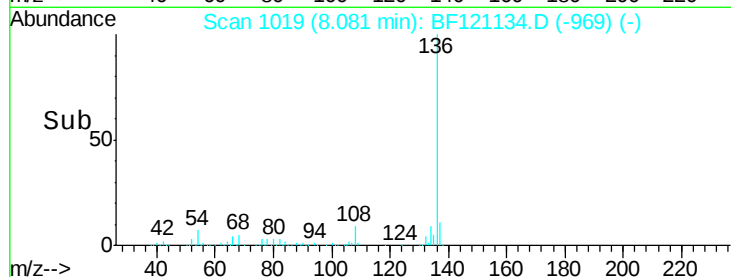


Abundance Ion 136.00 (135.70 to 136.70): E

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: 52.998 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

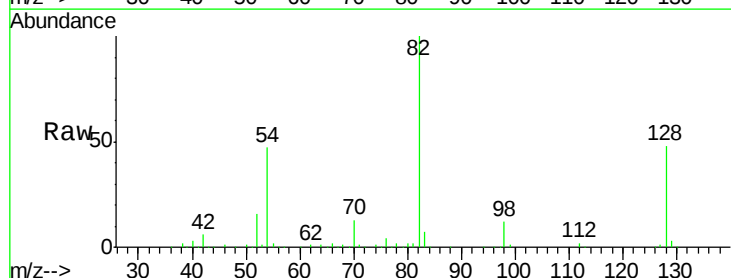
Tgt Ion: 82 Resp: 490380

Ion Ratio Lower Upper

82 100

128 48.2 39.2 58.8

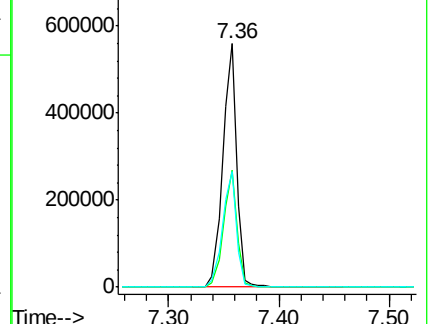
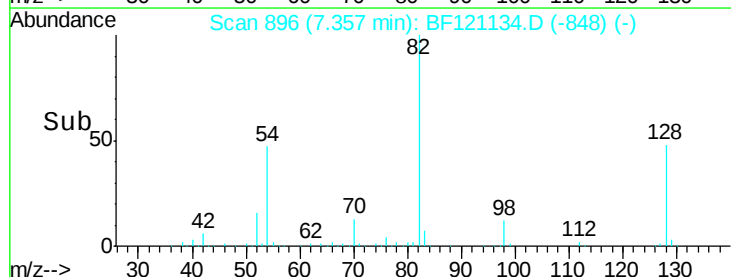
54 47.4 37.8 56.8

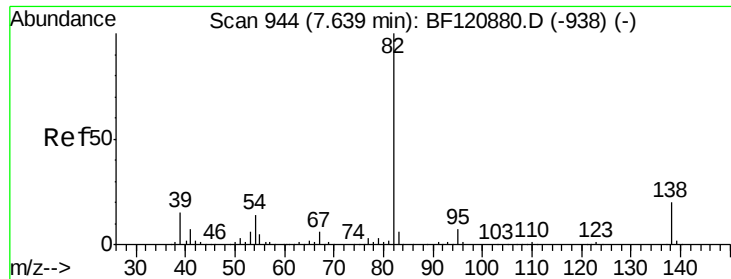


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 25.875 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

Instrument :

BNA_F

ClientSampleId :

TP-2-S

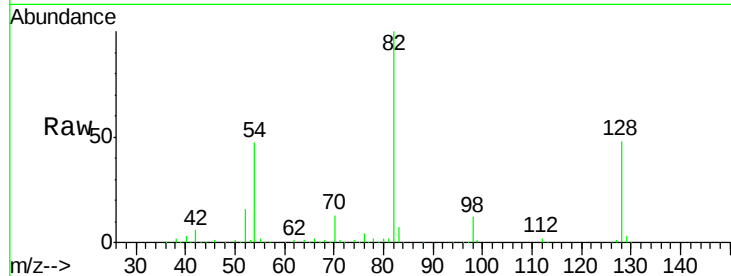
Tot Ion: 82 Resp: 477814

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

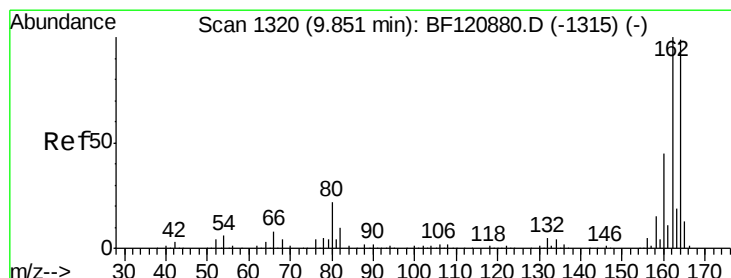
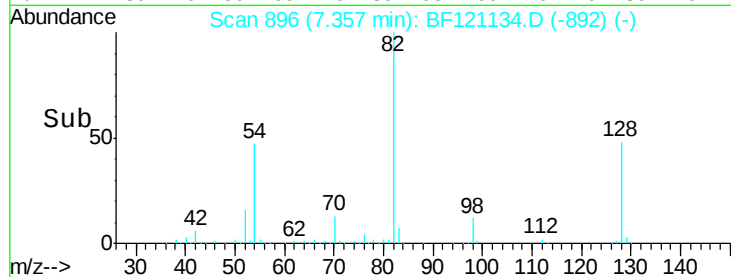
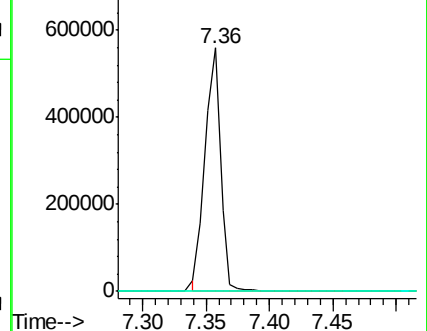
138 0.0 16.2 24.2#



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: BF121134.D

Acq: 30 Jul 2020 18:13

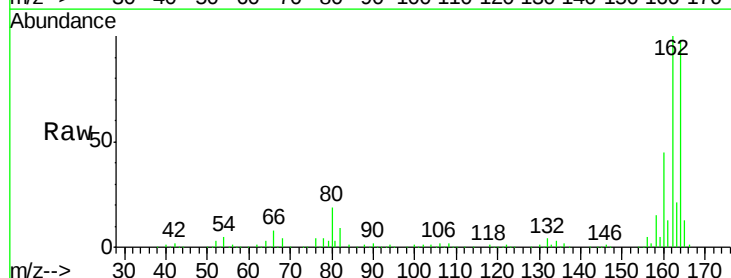
Tgt Ion: 164 Resp: 284352

Ion Ratio Lower Upper

164 100

162 101.6 82.2 123.2

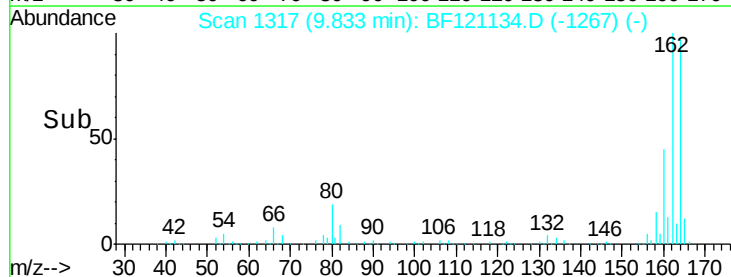
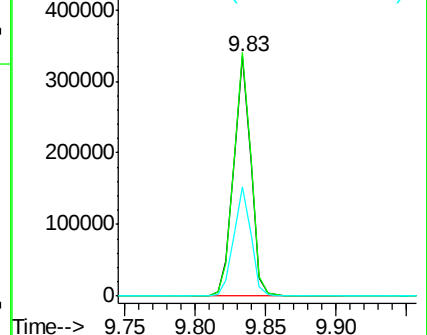
160 45.8 37.2 55.8



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

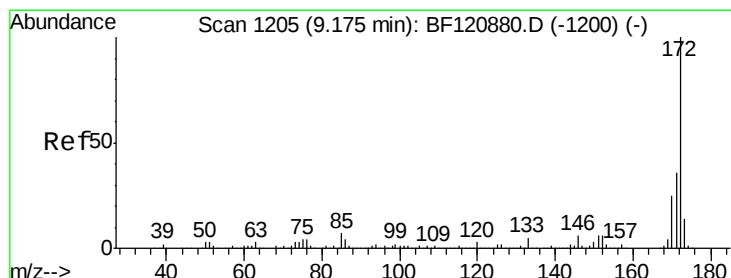
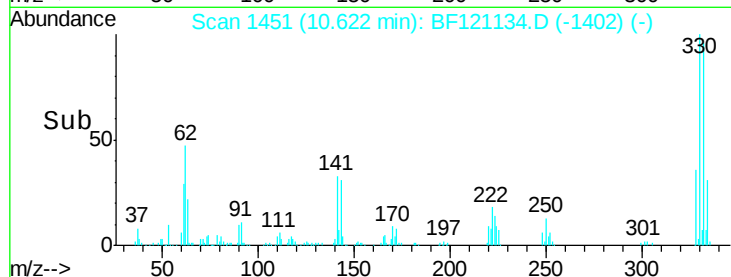
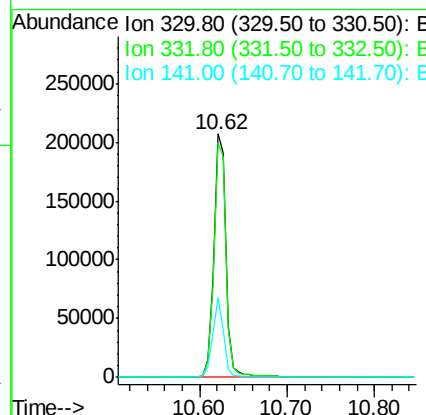
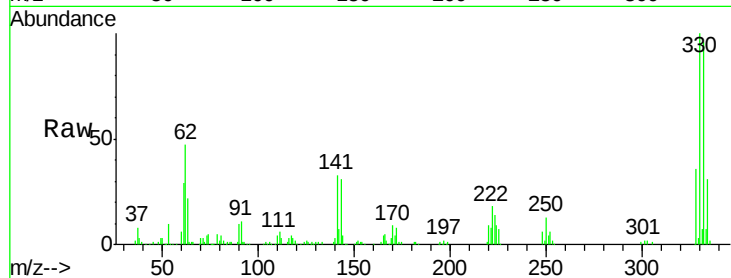




#42
 2,4,6-Tribromophenol
 Concen: 64.427 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF121134.D
 Acq: 30 Jul 2020 18:13

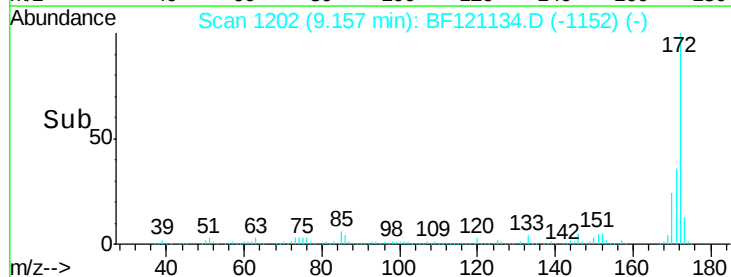
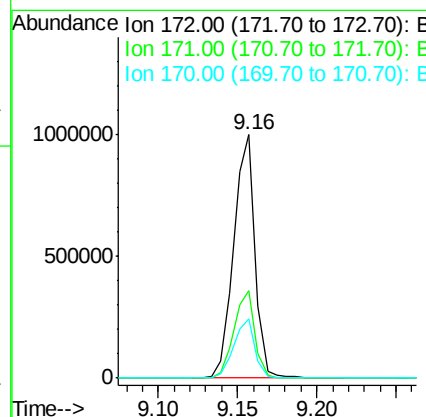
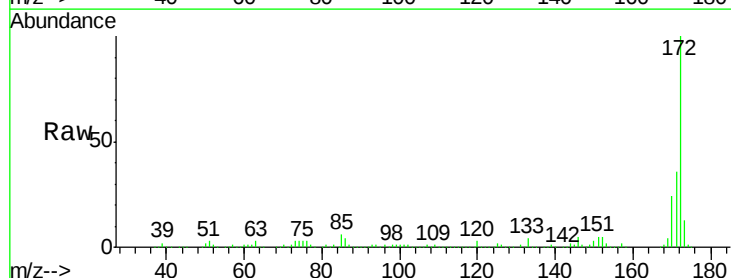
Instrument :
 BNA_F
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 TP-2-S

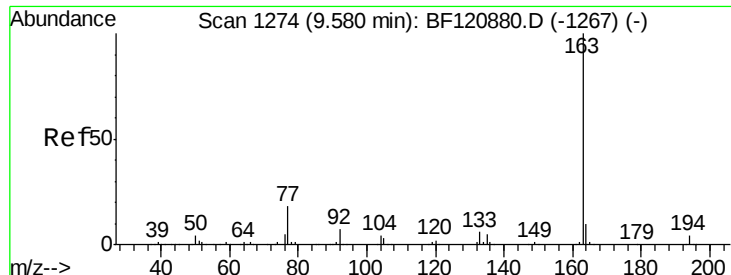
Tot Ion:330 Resp: 200530
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.1 114.1
 141 30.1 24.1 36.1



#45
 2-Fluorobiphenyl
 Concen: 48.846 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121134.D
 Acq: 30 Jul 2020 18:13

Tgt Ion:172 Resp: 930285
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.0 43.4
 170 24.2 19.6 29.4





#50

Dimethylphthalate

Concen: 6.911 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

Instrument :

BNA_F

ClientSampleId :

TP-2-S

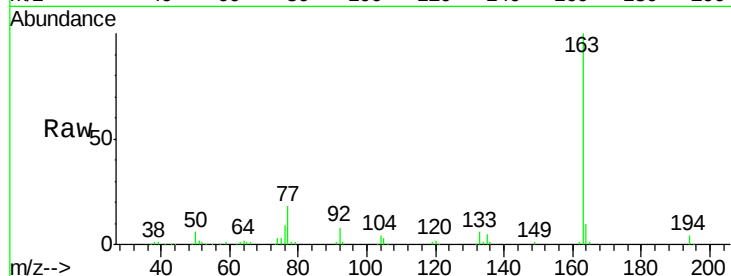
Tot Ion:163 Resp: 141773

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.4

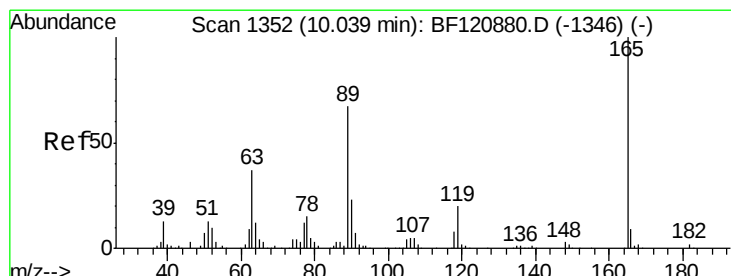
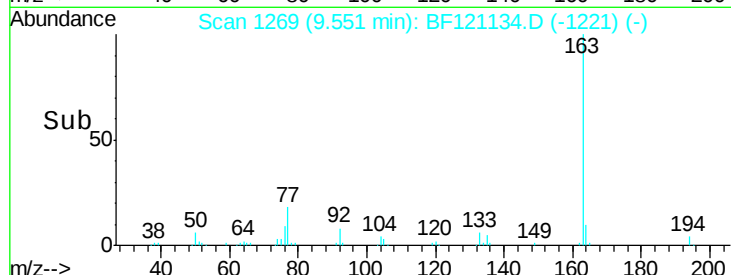
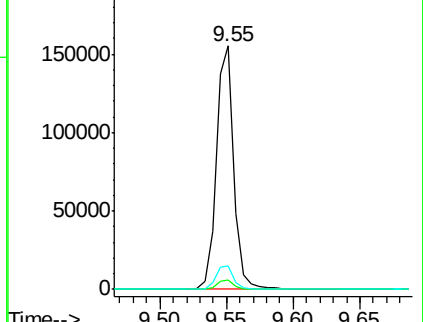
164 9.7 8.4 12.6



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: 6.265 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.20 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

Tgt Ion:165 Resp: 36262

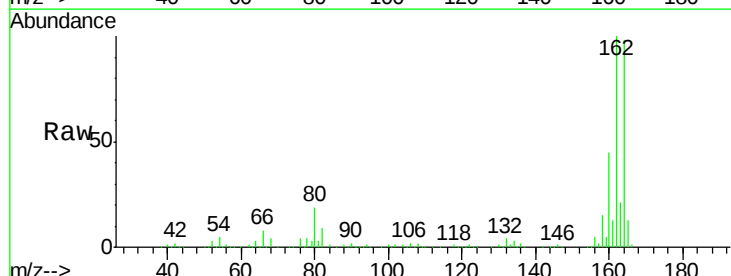
Ion Ratio Lower Upper

165 100

63 1.2 29.8 44.8#

89 1.3 50.3 75.5#

182 0.0 2.1 3.1#

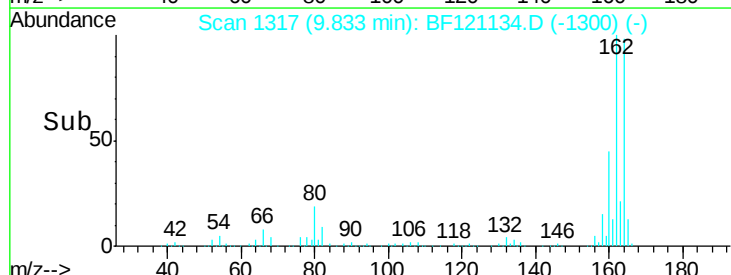
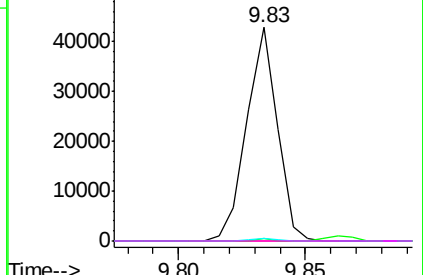


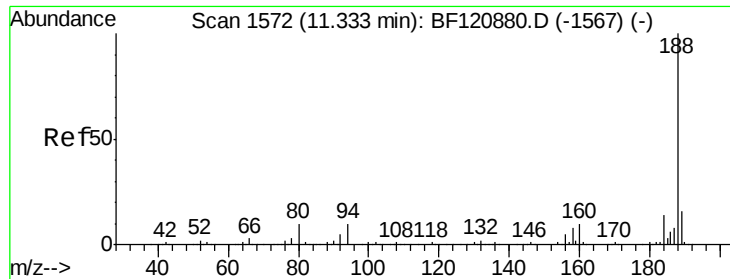
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF121134.D

Acq: 30 Jul 2020 18:13

Instrument :

BNA_F

ClientSampleId :

TP-2-S

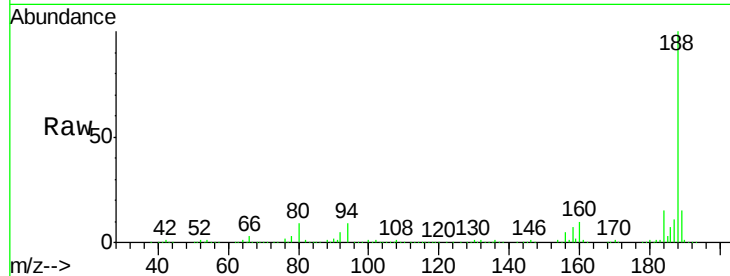
Tot Ion:188 Resp: 545900

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

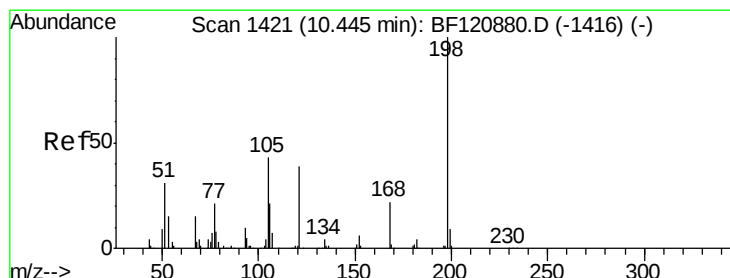
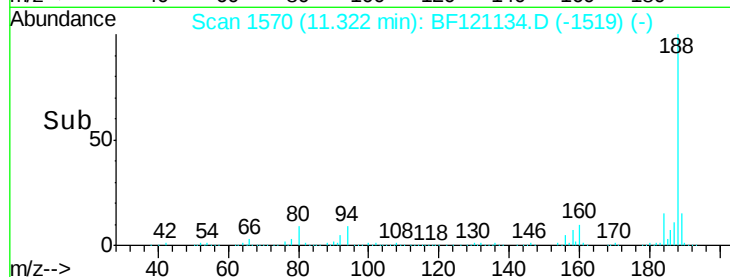
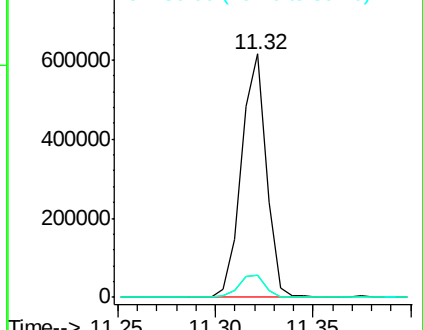
80 9.2 8.3 12.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 3.966 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.18 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

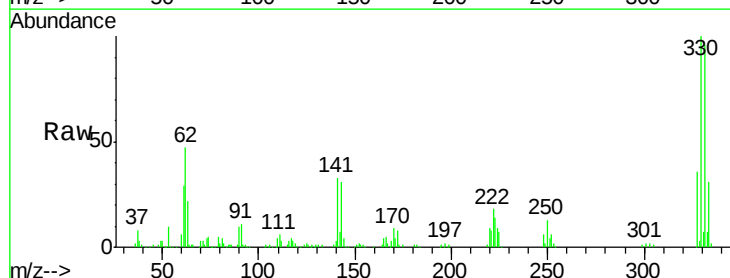
Tgt Ion:198 Resp: 423

Ion Ratio Lower Upper

198 100

51 184.3 23.4 63.4#

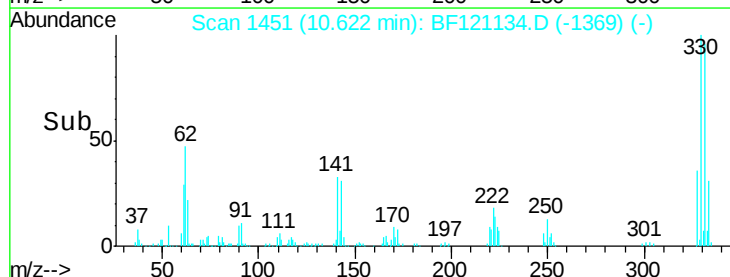
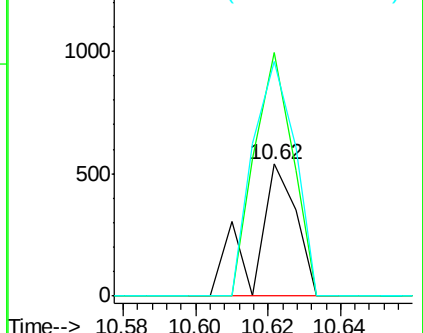
105 177.8 23.7 63.7#

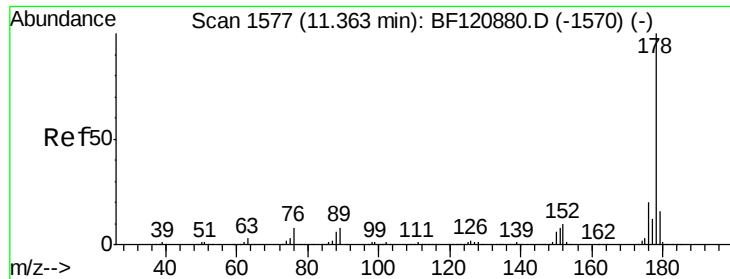


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 4.641 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

Instrument :

BNA_F

ClientSampleId :

TP-2-S

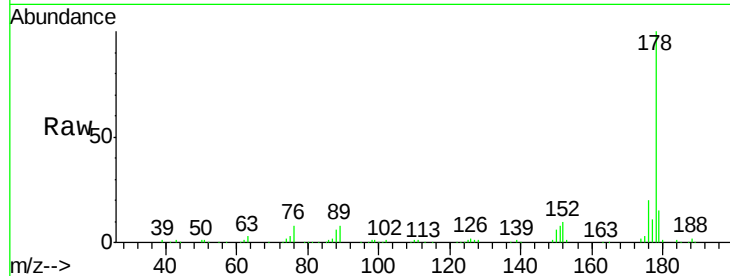
Tot Ion:178 Resp: 130292

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.2

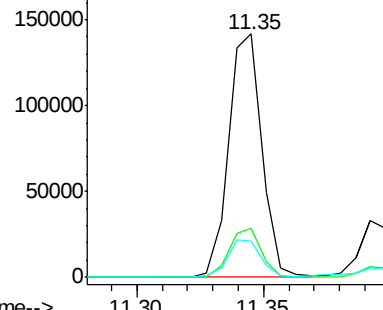
179 14.9 12.6 19.0



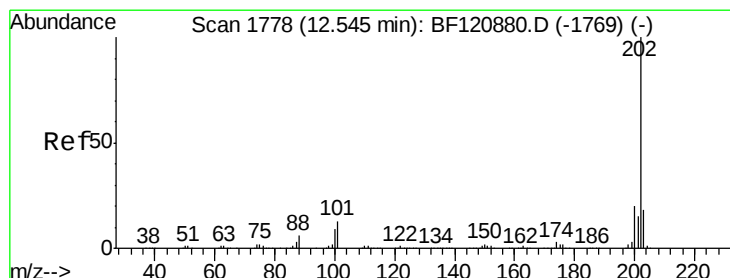
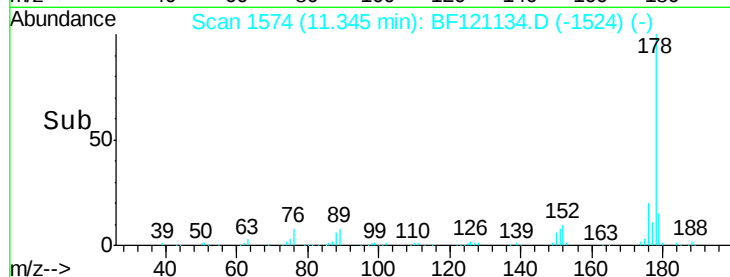
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 7.904 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

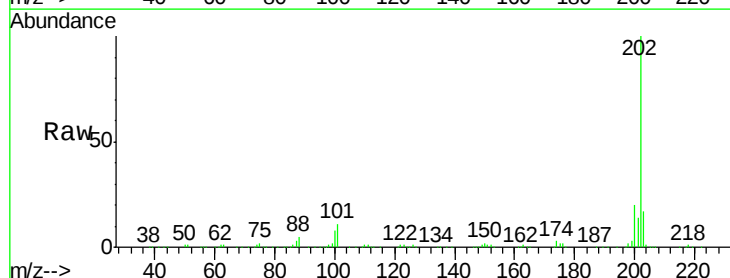
Tgt Ion:202 Resp: 245970

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.5

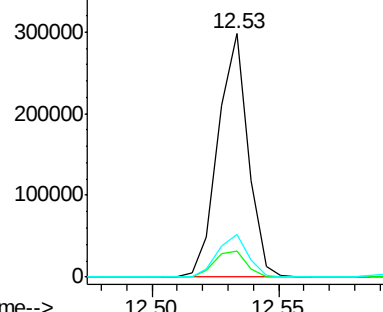
203 17.3 0.0 37.7



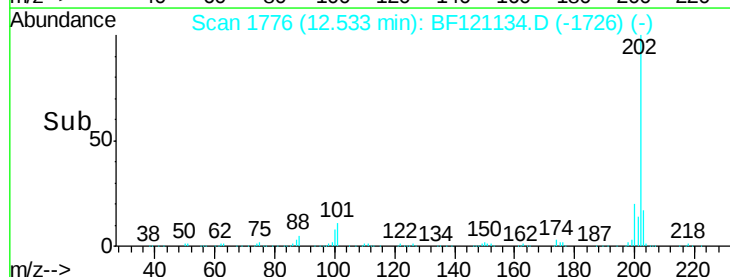
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

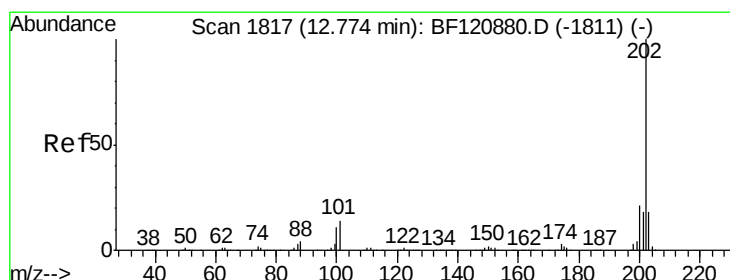
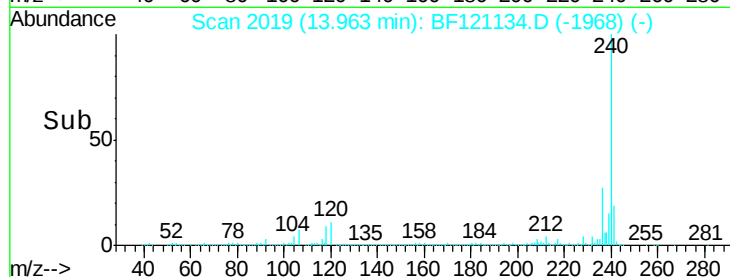
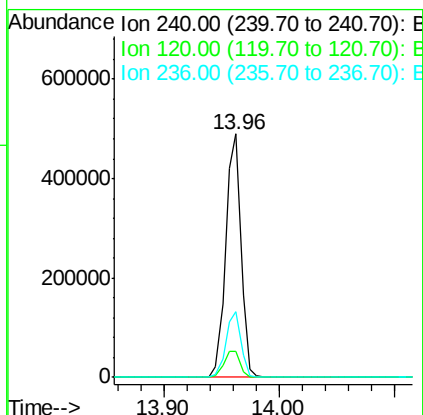
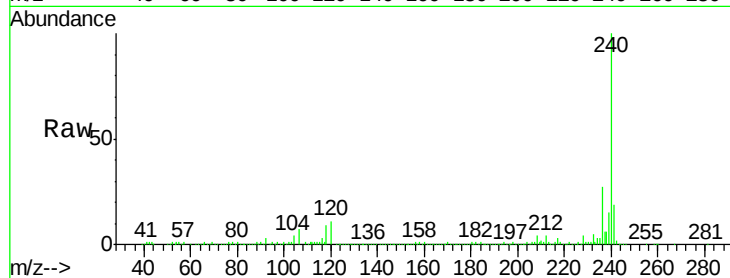




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF121134.D
Acq: 30 Jul 2020 18:13

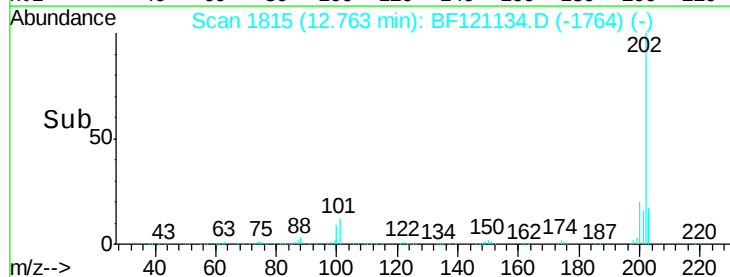
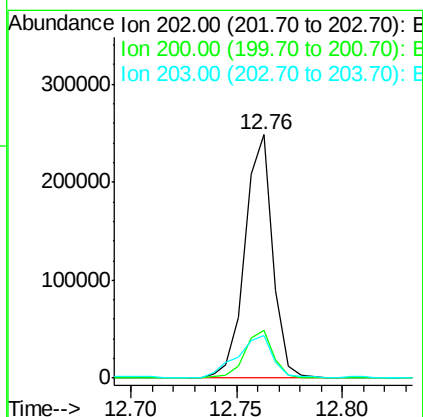
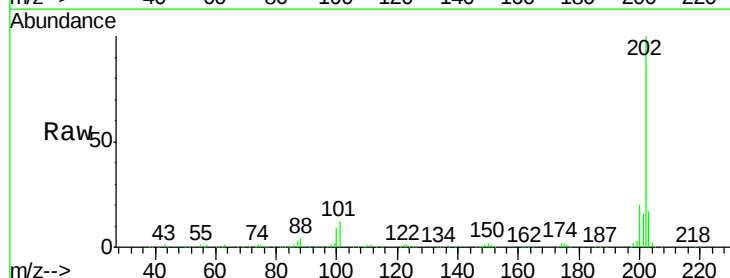
Instrument :
BNA_F
ClientSampleId :
TP-2-S

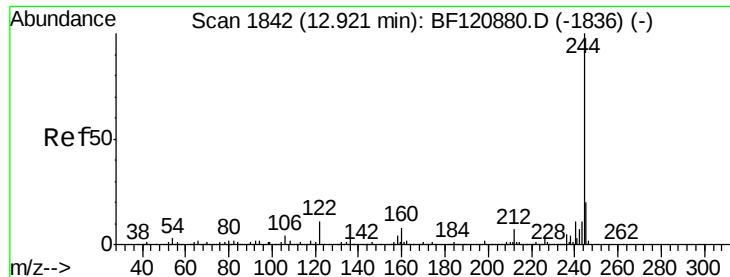
Tot Ion:240 Resp: 449933
Ion Ratio Lower Upper
240 100
120 10.6 9.3 13.9
236 26.7 21.1 31.7



#78
Pyrene
Concen: 7.139 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF121134.D
Acq: 30 Jul 2020 18:13

Tgt Ion:202 Resp: 227083
Ion Ratio Lower Upper
202 100
200 19.8 17.0 25.6
203 17.3 14.6 21.8





#79

Terphenyl-d14

Concen: 48.649 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

Instrument :

BNA_F

ClientSampleId :

TP-2-S

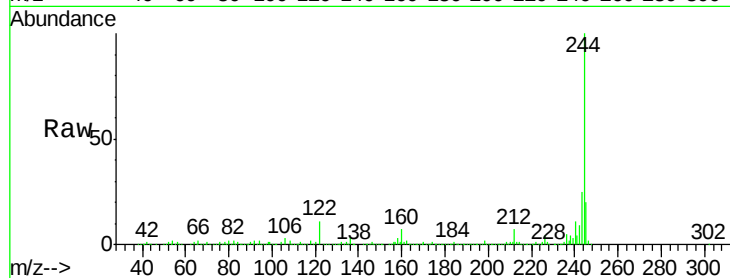
Tot Ion:244 Resp: 1006942

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

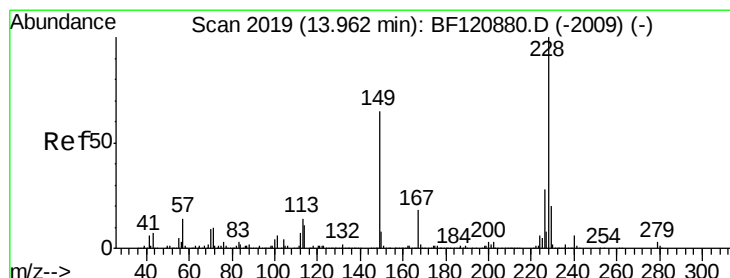
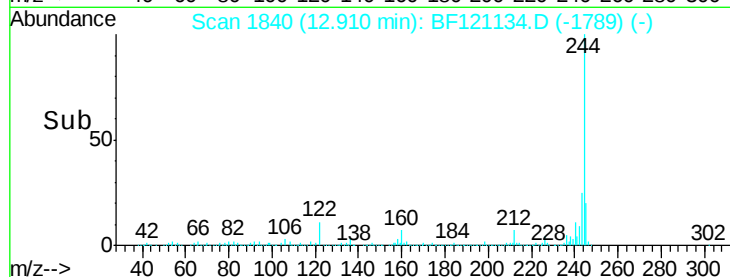
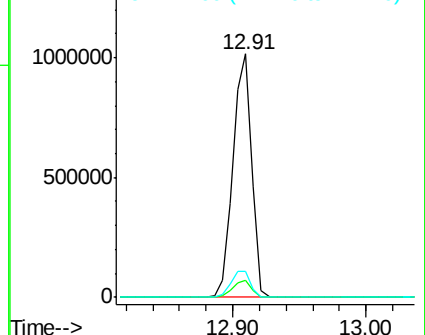
122 10.8 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.436 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

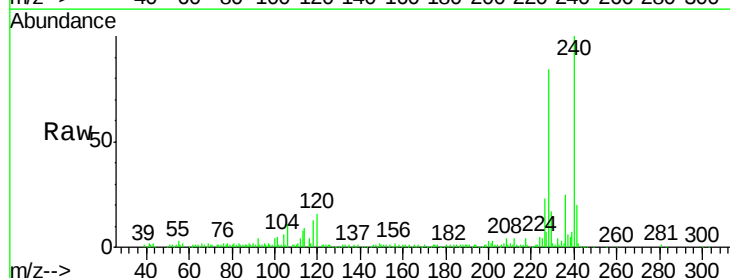
Tgt Ion:228 Resp: 120863

Ion Ratio Lower Upper

228 100

226 27.4 22.6 34.0

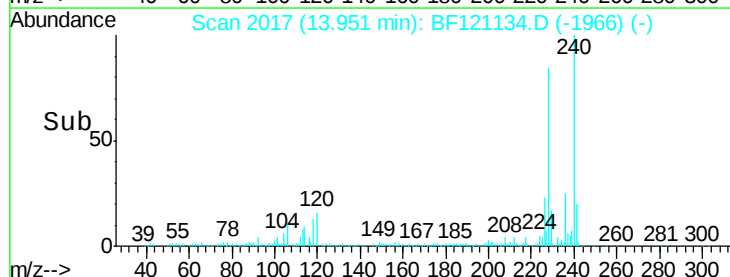
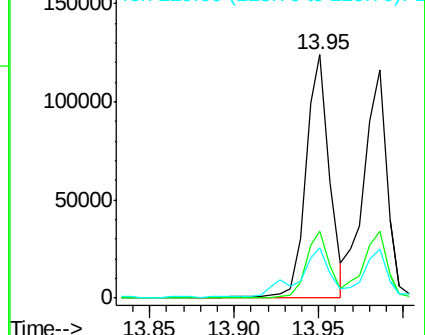
229 20.5 16.1 24.1

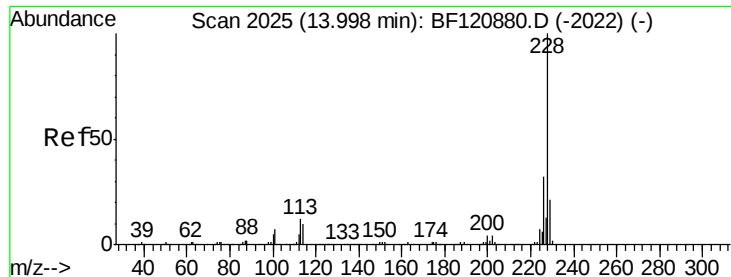


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

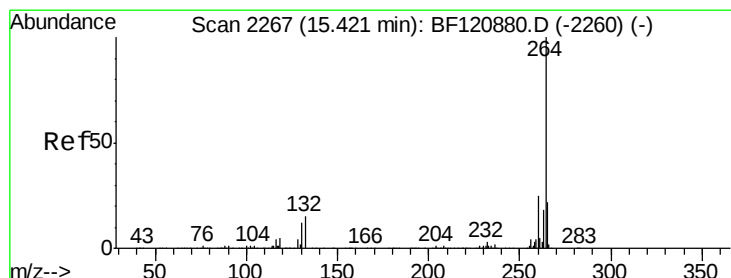
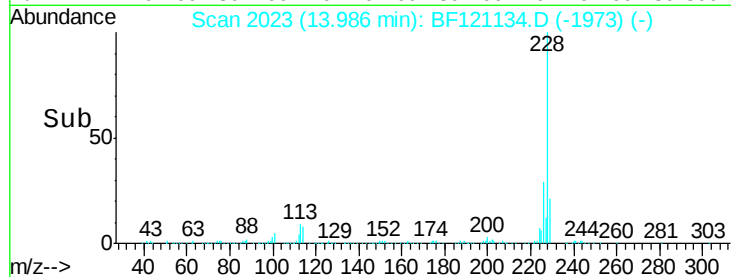
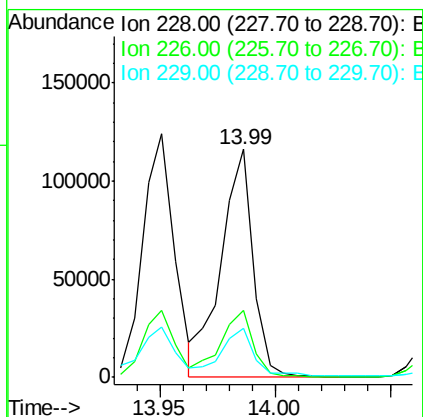
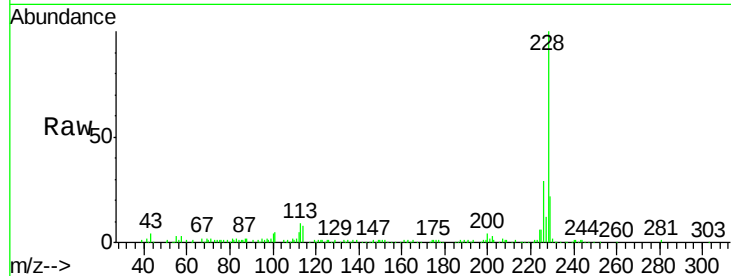




#83
Chrysene
Concen: 3.910 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121134.D
Acq: 30 Jul 2020 18:13

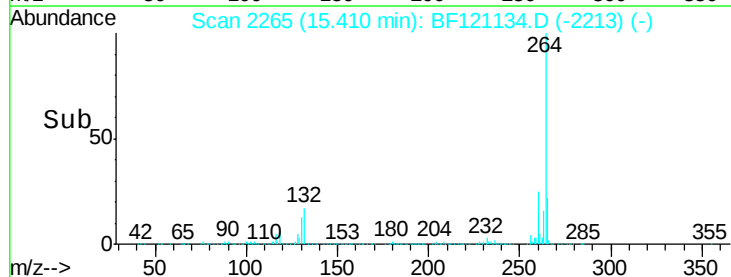
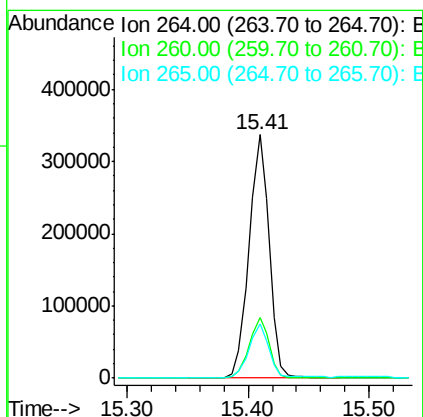
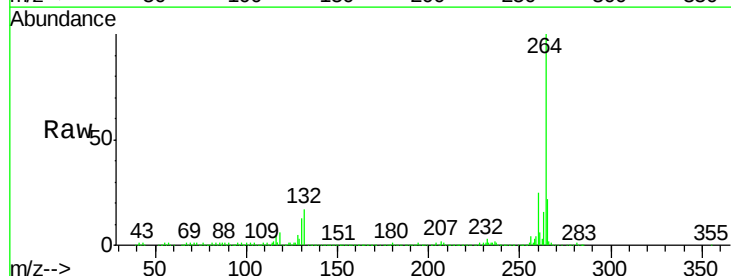
Instrument :
BNA_F
ClientSampleId :
TP-2-S

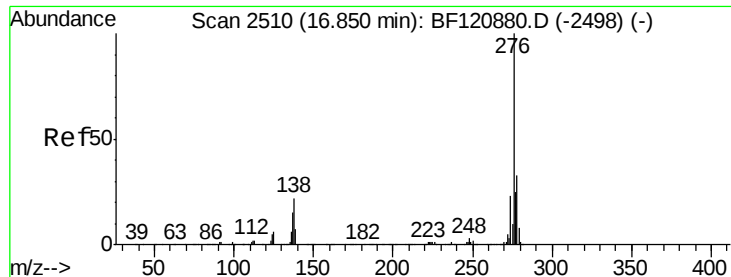
Tot Ion:228 Resp: 111961
Ion Ratio Lower Upper
228 100
226 29.1 25.4 38.0
229 21.5 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF121134.D
Acq: 30 Jul 2020 18:13

Tgt Ion:264 Resp: 395272
Ion Ratio Lower Upper
264 100
260 24.8 19.9 29.9
265 22.3 17.8 26.8

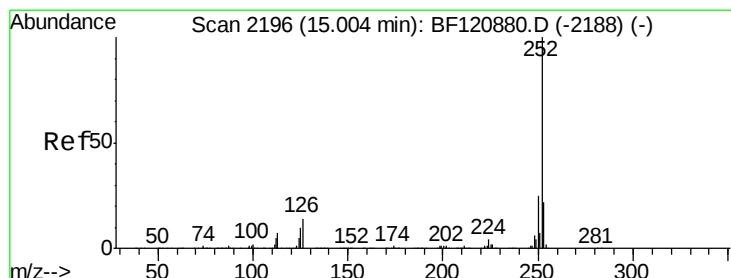
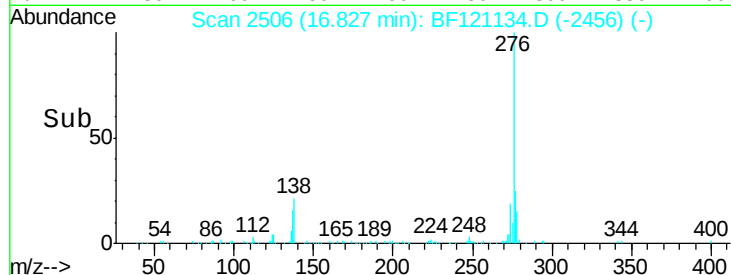
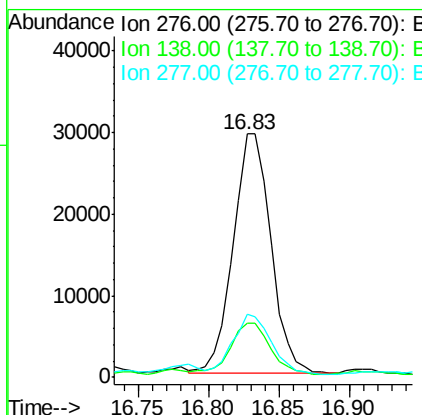
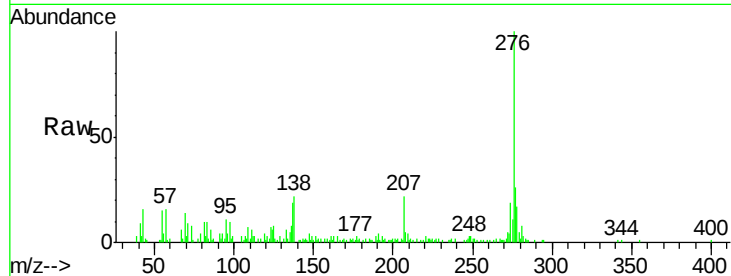




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.008 ng
 RT: 16.83 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: BF121134.D
 Acq: 30 Jul 2020 18:13

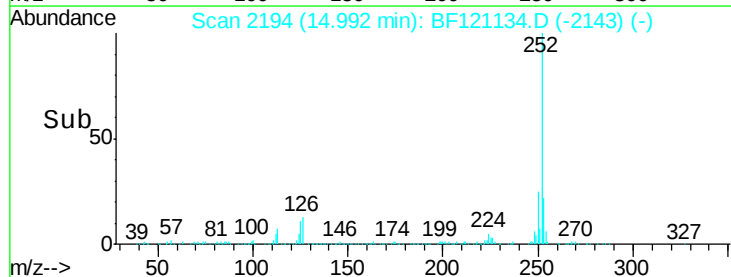
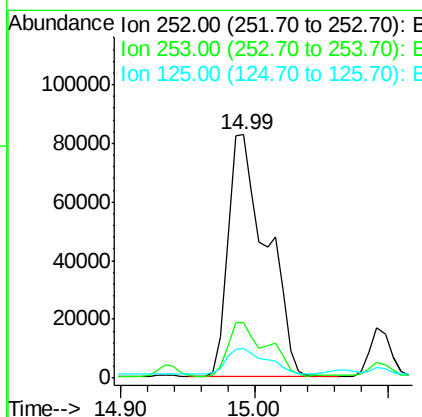
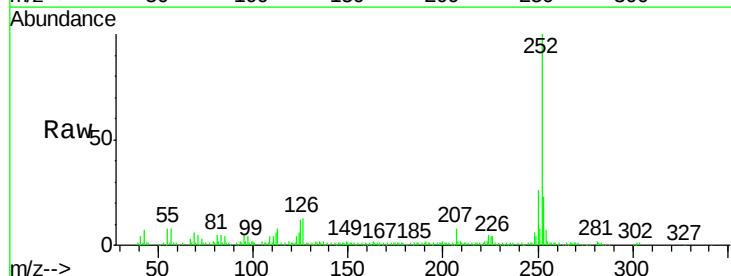
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

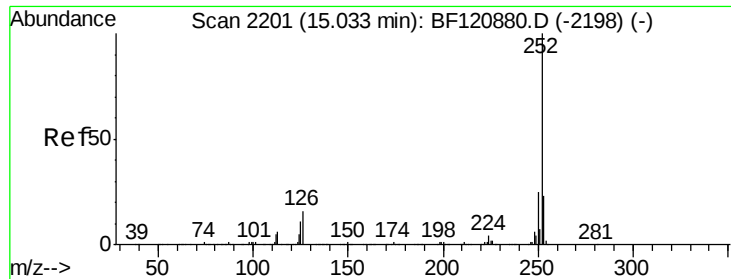
Tot Ion:276 Resp: 55190
 Ion Ratio Lower Upper
 276 100
 138 22.1 19.3 28.9
 277 25.4 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 6.939 ng
 RT: 14.99 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: BF121134.D
 Acq: 30 Jul 2020 18:13

Tgt Ion:252 Resp: 165781
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.9 26.9
 125 12.3 8.1 12.1#

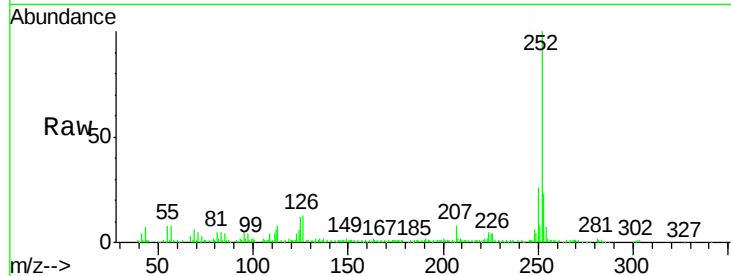




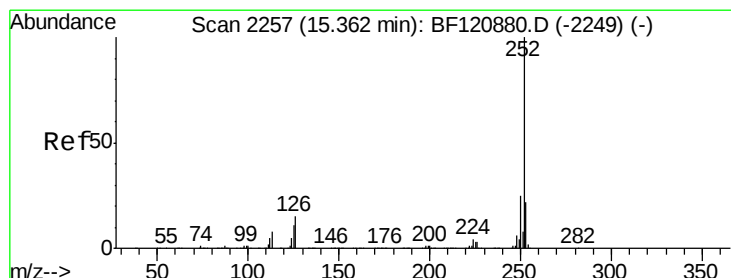
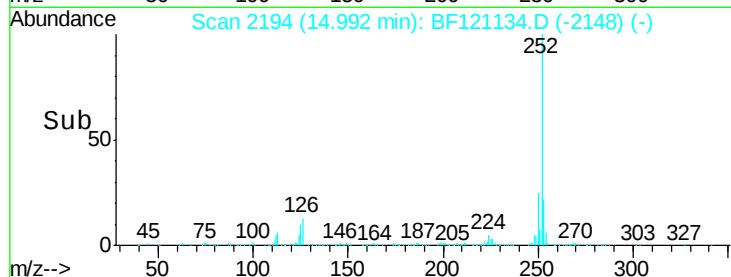
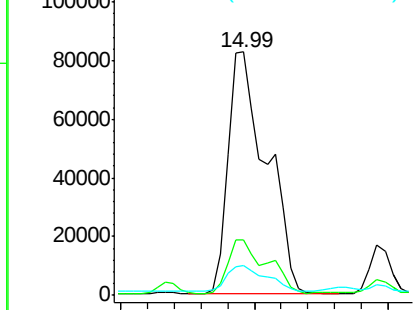
#89
Benzo(k)fluoranthene
Concen: 7.608 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.03 min
Lab File: BF121134.D
Acq: 30 Jul 2020 18:13

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tot Ion:252 Resp: 165781
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 12.3 8.0 12.0#

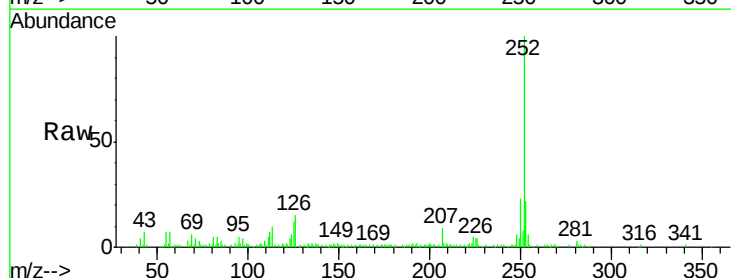


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

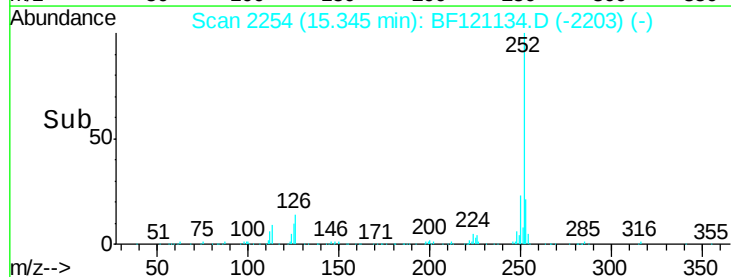
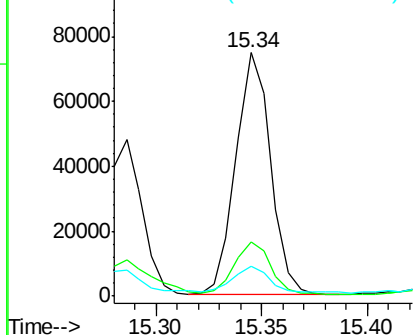


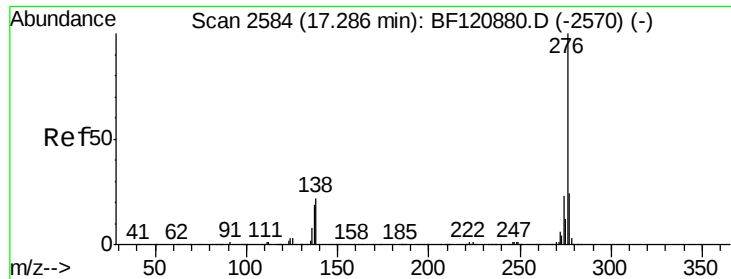
#90
Benzo(a)pyrene
Concen: 3.924 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.00 min
Lab File: BF121134.D
Acq: 30 Jul 2020 18:13

Tgt Ion:252 Resp: 85540
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 12.1 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: 2.507 ng

RT: 17.26 min Scan# 2580

Delta R.T. 0.00 min

Lab File: BF121134.D

Acq: 30 Jul 2020 18:13

Instrument :

BNA_F

ClientSampleId :

TP-2-S

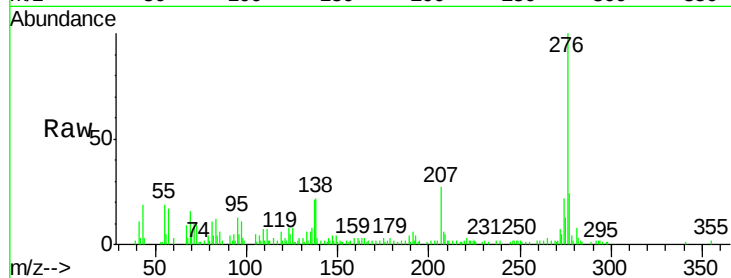
Tot Ion: 276 Resp: 55505

Ion Ratio Lower Upper

276 100

277 24.4 19.4 29.0

138 21.6 17.2 25.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

