

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081120\
 Data File : BF121243.D
 Acq On : 11 Aug 2020 16:46
 Operator : JU/CG
 Sample : L3625-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PN-SP

Quant Time: Aug 11 17:13:28 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	124183	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	498654	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	261888	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	544656	20.00	ng	0.00
76) Chrysene-d12	13.96	240	477589	20.00	ng	0.00
86) Perylene-d12	15.42	264	424159	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	647804	85.52	ng	0.00
7) Phenol-d6	6.43	99	804997	82.27	ng	-0.02
23) Nitrobenzene-d5	7.36	82	532593	61.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	236128	82.37	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1014069	57.81	ng	-0.01
79) Terphenyl-d14	12.91	244	1117988	50.89	ng	0.00

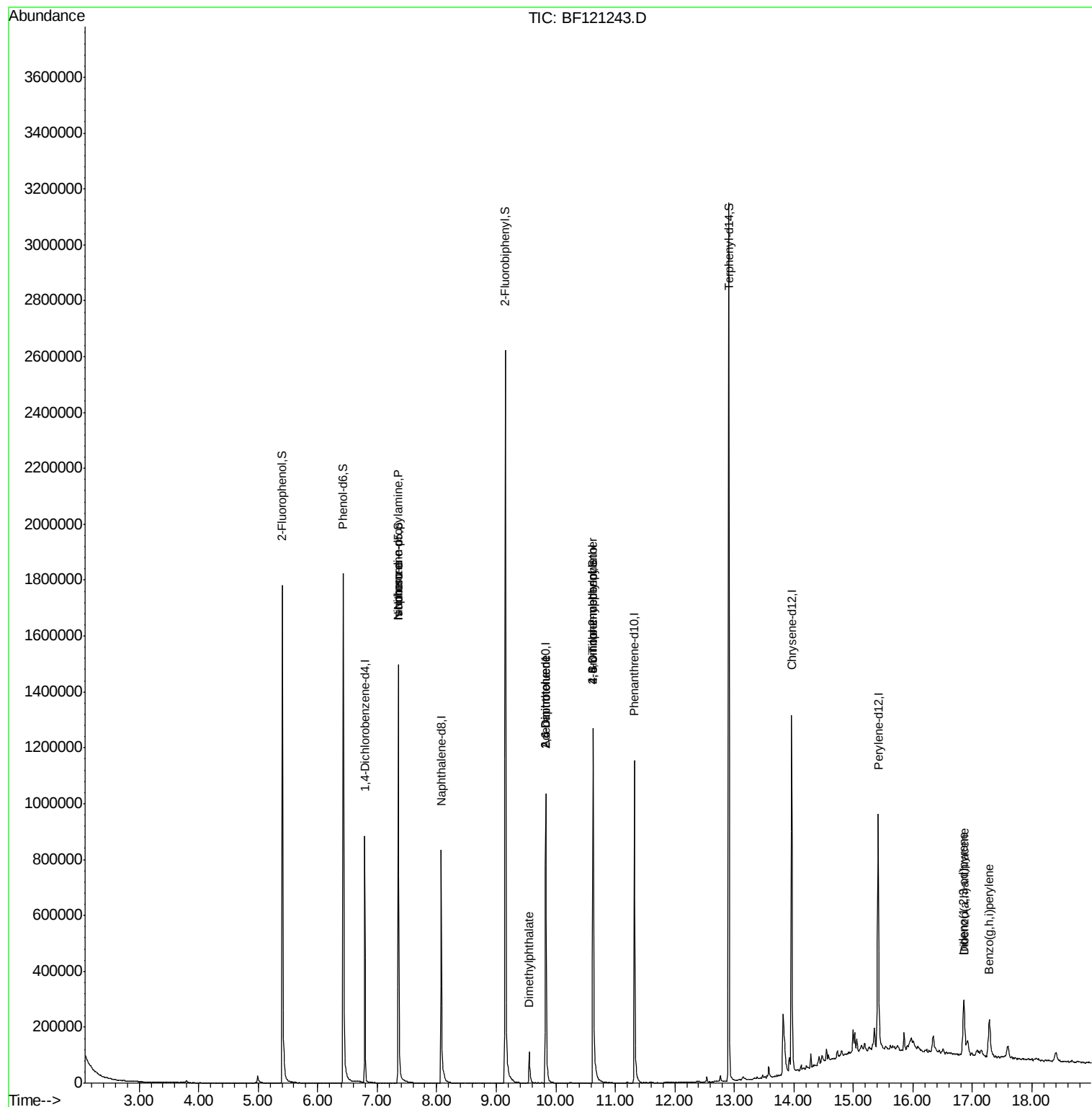
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	983	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	68532	12.317	ng	# 79
25) Isophorone	7.36	82	526533	30.614	ng	# 62
50) Dimethylphthalate	9.55	163	75874	4.016	ng	# 98
51) 2,6-Dinitrotoluene	9.83	165	33468	8.245	ng	# 27
57) 2,4-Dinitrotoluene	9.83	165	33469	6.279	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.63	198	267	3.920	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	13844	2.280	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.85	276	128591	4.359	ng	# 98
91) Dibenzo(a,h)anthracene	16.86	278	98026	4.068	ng	# 97
92) Benzo(a,h,i)perylene	17.29	276	129628	5.456	ng	# 99

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

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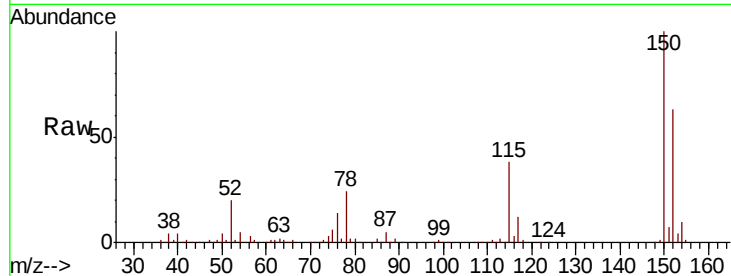


#1

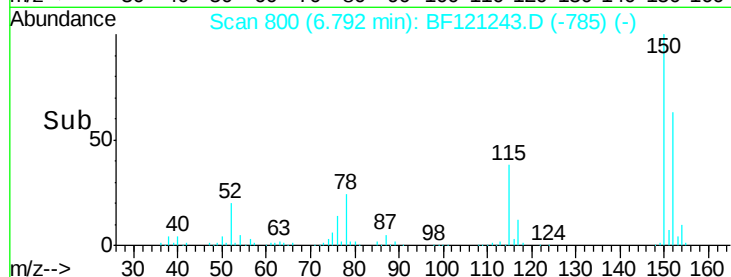
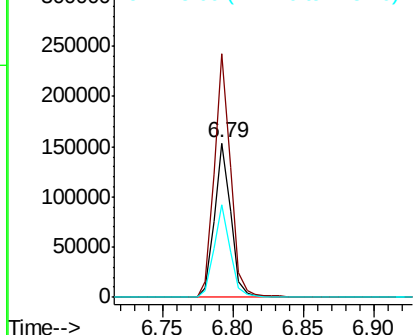
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121243.D
 Acq: 11 Aug 2020 16:46

Instrument :
 BNA_F
 ClientSampleId :
 PN-SP

Tot Ion:152 Resp: 124183
 Ion Ratio Lower Upper
 152 100
 150 157.7 125.6 188.4
 115 59.7 46.2 69.2



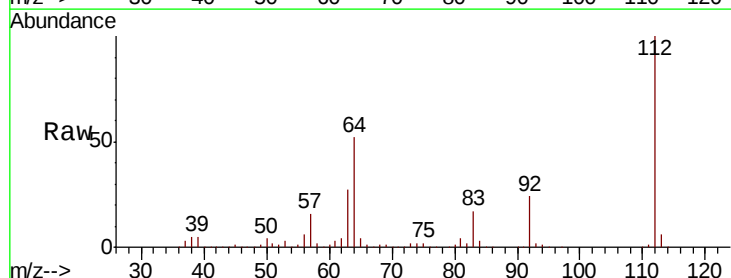
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



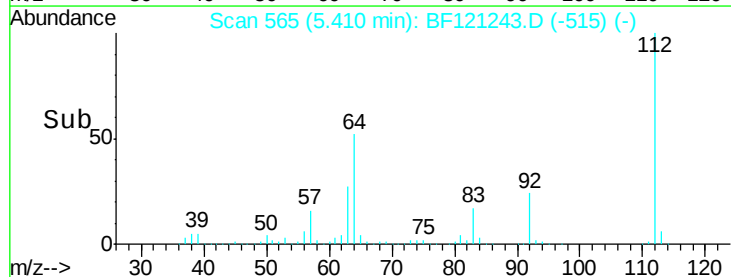
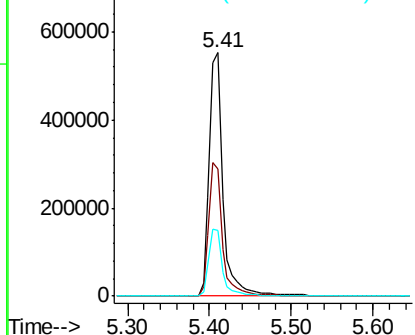
#5

2-Fluorophenol
 Concen: 85.517 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF121243.D
 Acq: 11 Aug 2020 16:46

Tgt Ion:112 Resp: 647804
 Ion Ratio Lower Upper
 112 100
 64 52.1 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: 82.268 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121243.D

Acq: 11 Aug 2020 16:46

Instrument :

BNA_F

ClientSampleId :

PN-SP

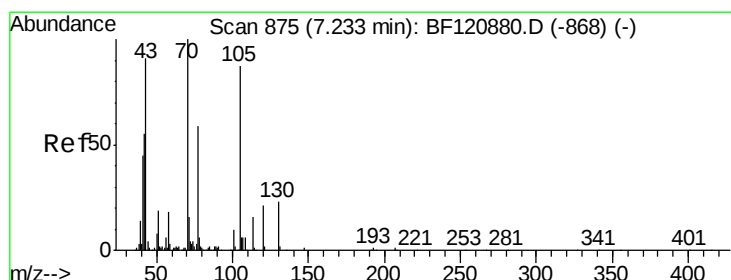
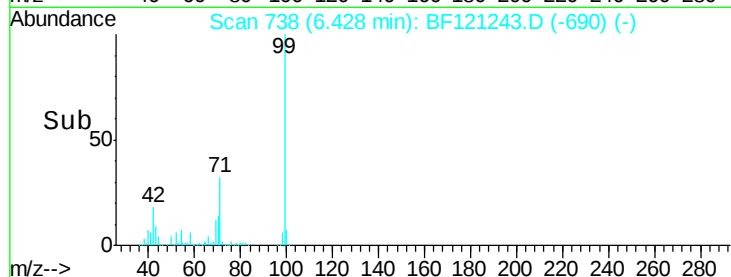
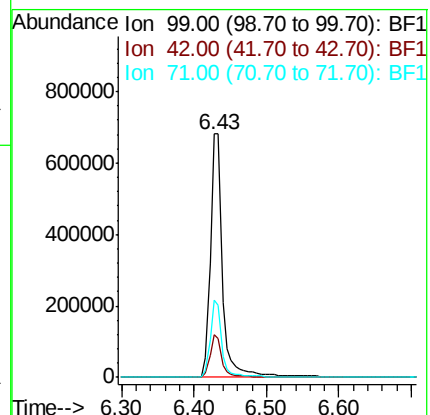
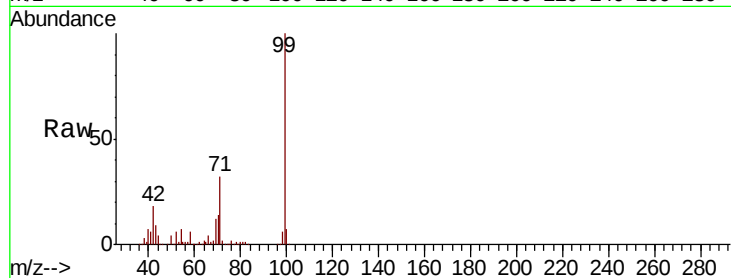
Tot Ion: 99 Resp: 804997

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

71 31.7 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.317 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121243.D

Acq: 11 Aug 2020 16:46

Tgt Ion: 70 Resp: 68532

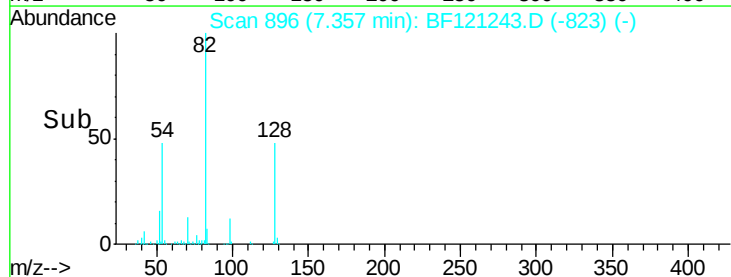
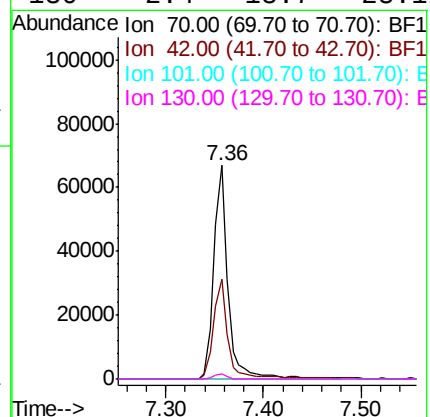
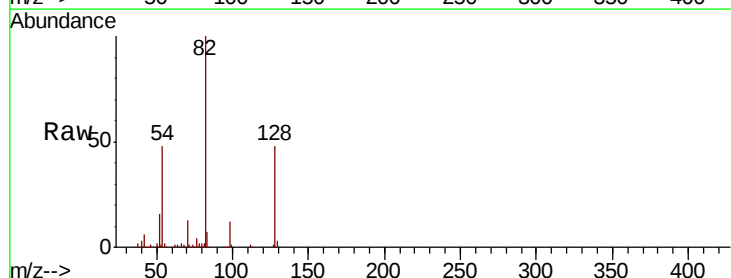
Ion Ratio Lower Upper

70 100

42 46.9 43.3 64.9

101 0.0 8.4 12.6#

130 2.4 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: BF121243.D

Acq: 11 Aug 2020 16:46

Instrument :

BNA_F

ClientSampleId :

PN-SP

Tot Ion:136 Resp: 498654

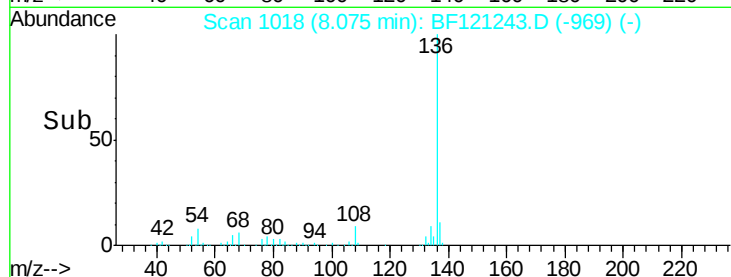
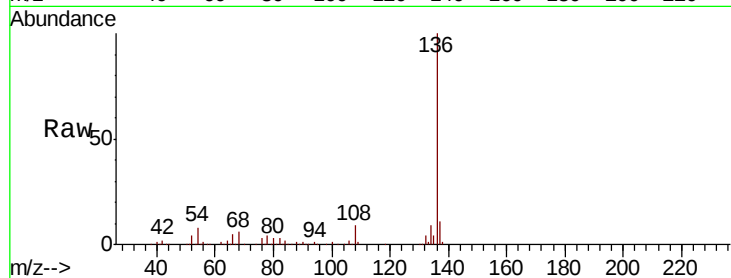
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.9 6.1 9.1

68 6.3 5.0 7.6

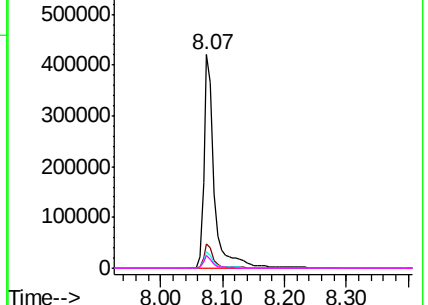


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.801 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121243.D

Acq: 11 Aug 2020 16:46

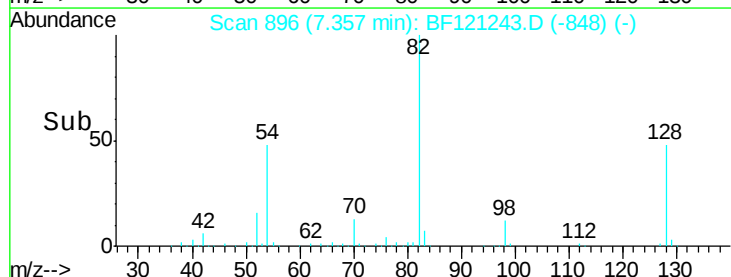
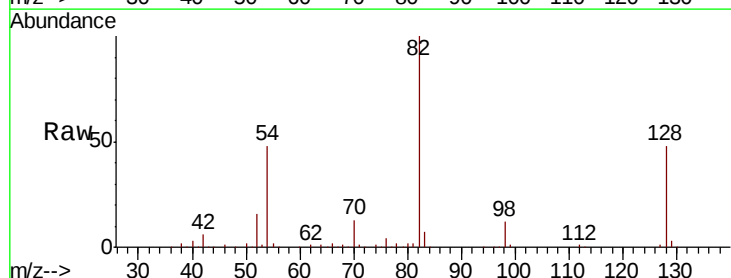
Tgt Ion: 82 Resp: 532593

Ion Ratio Lower Upper

82 100

128 47.9 39.2 58.8

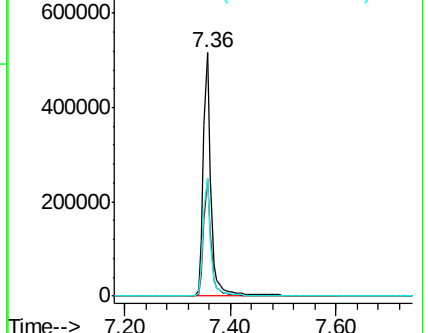
54 48.5 37.8 56.8



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: 30.614 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121243.D

Acq: 11 Aug 2020 16:46

Instrument :

BNA_F

ClientSampleId :

PN-SP

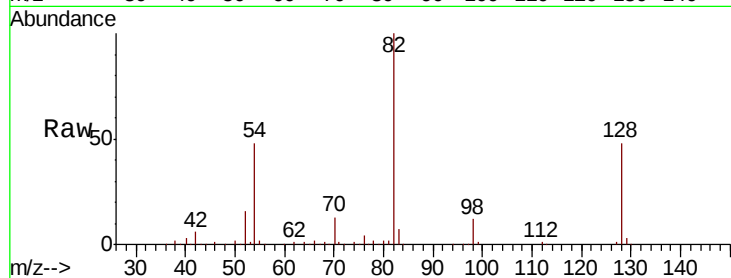
Tot Ion: 82 Resp: 526533

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

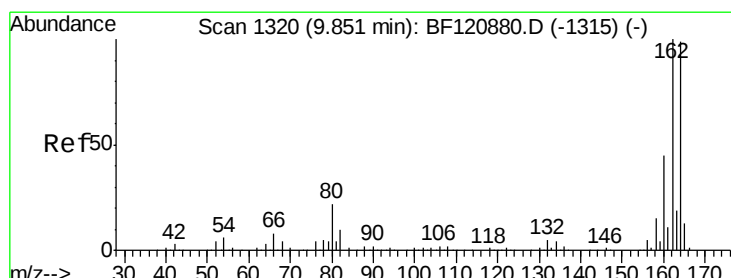
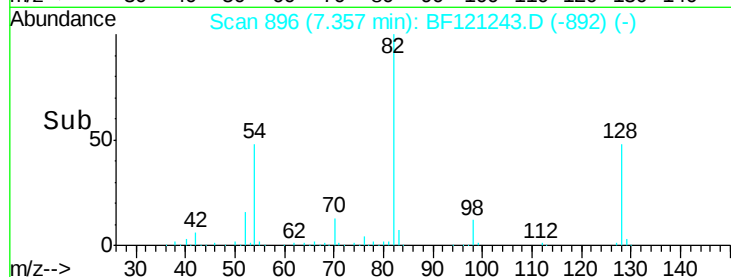
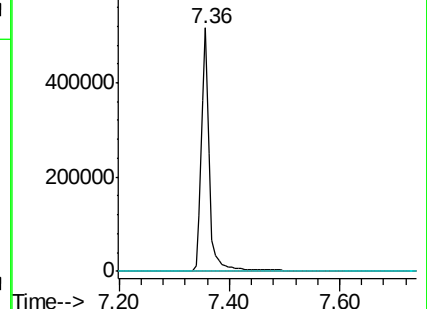
138 0.0 16.2 24.2#



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: BF121243.D

Acq: 11 Aug 2020 16:46

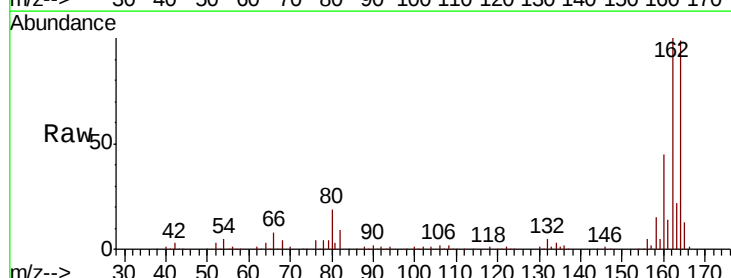
Tgt Ion: 164 Resp: 261888

Ion Ratio Lower Upper

164 100

162 100.7 82.2 123.2

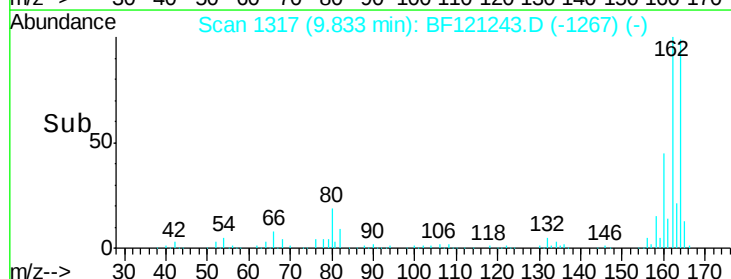
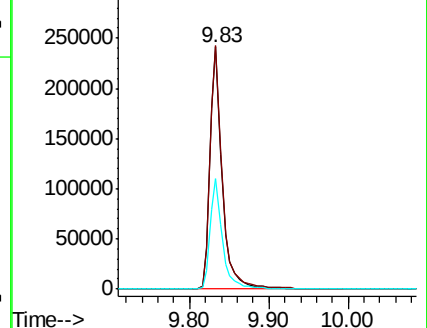
160 45.7 37.2 55.8



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

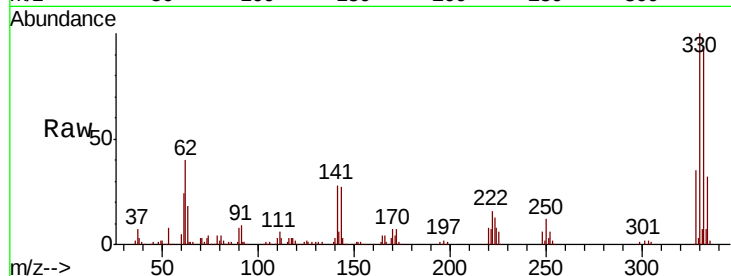




#42
 2,4,6-Tribromophenol
 Concen: 82.371 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121243.D
 Acq: 11 Aug 2020 16:46

Instrument :
 BNA_F
 ClientSampleId :
 PN-SP

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.1	114.1
141	31.1	24.1	36.1

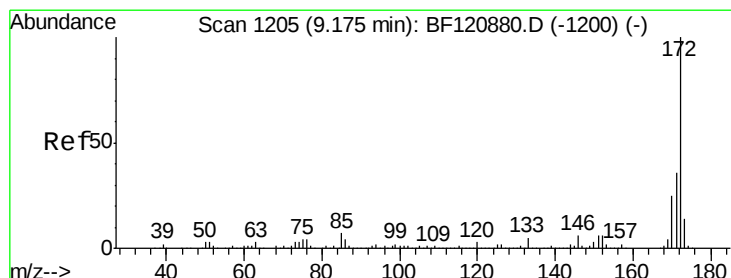
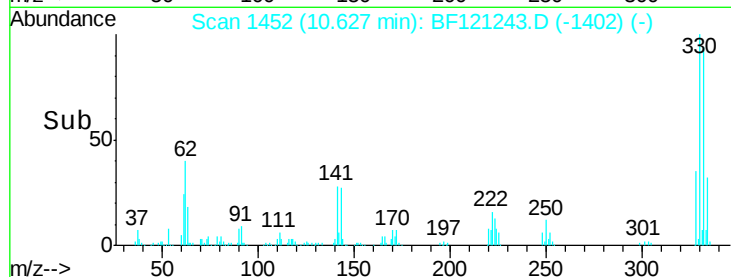
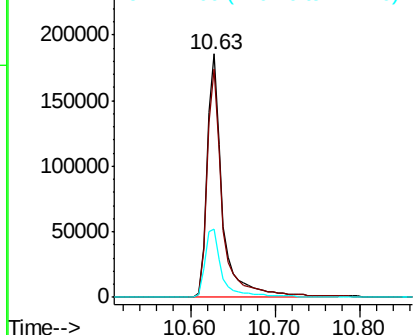


Abundance

Ion 329.80 (329.50 to 330.50): E

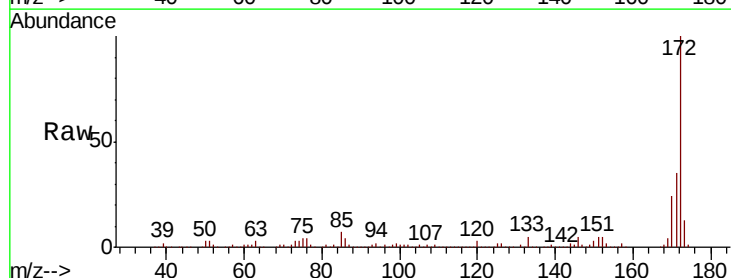
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 57.813 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF121243.D
 Acq: 11 Aug 2020 16:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.4
170	23.6	19.6	29.4

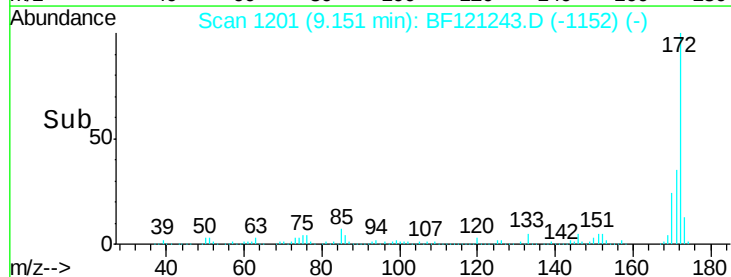
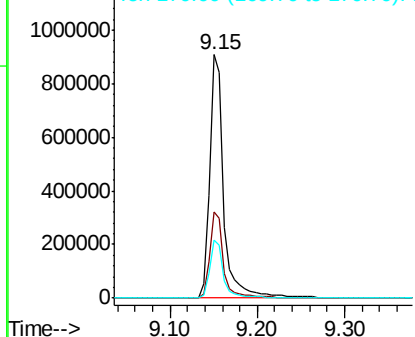


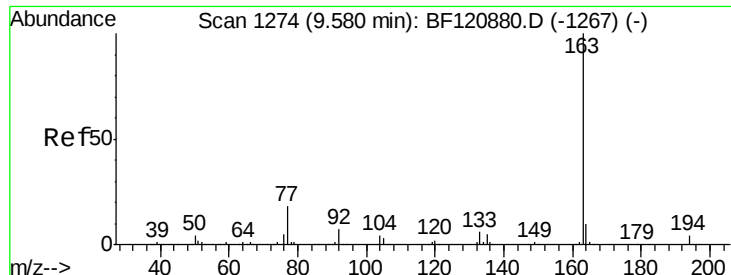
Abundance

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

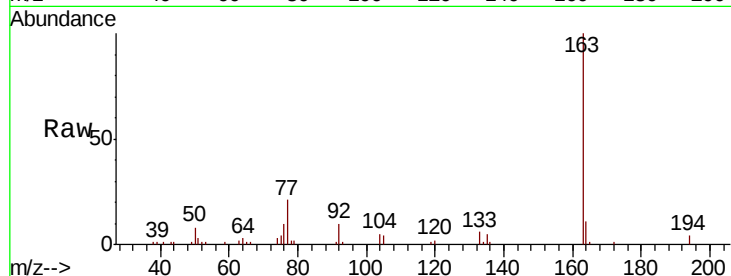




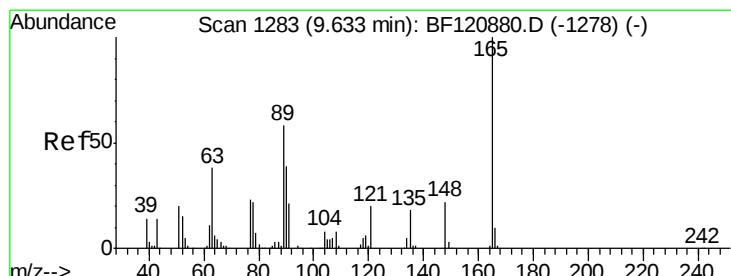
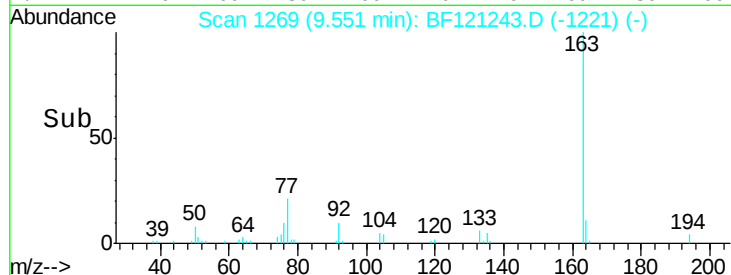
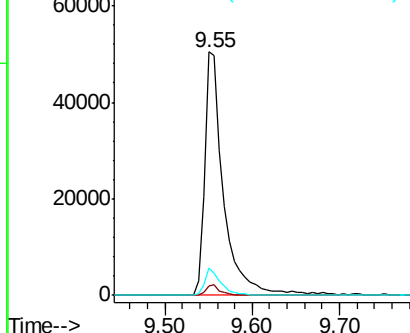
#50
Dimethylphthalate
Concen: 4.016 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121243.D
Acq: 11 Aug 2020 16:46

Instrument :
BNA_F
ClientSampleId :
PN-SP

Tot Ion:163 Resp: 75874
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 11.3 8.4 12.6

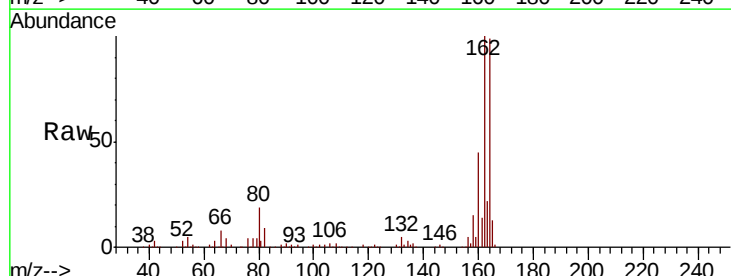


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

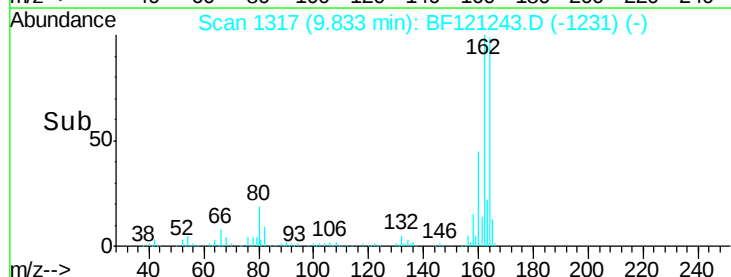
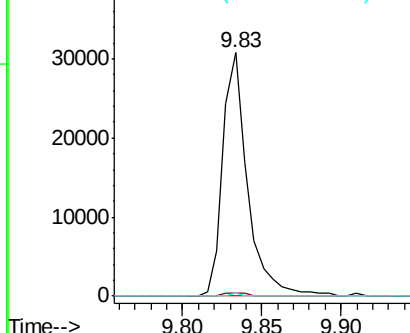


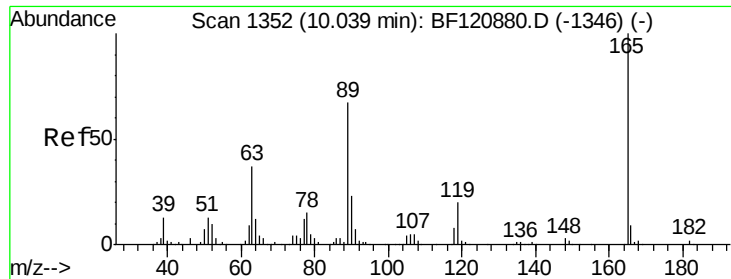
#51
2,6-Dinitrotoluene
Concen: 8.245 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.21 min
Lab File: BF121243.D
Acq: 11 Aug 2020 16:46

Tgt Ion:165 Resp: 33468
Ion Ratio Lower Upper
165 100
63 1.2 41.1 61.7#
89 1.2 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

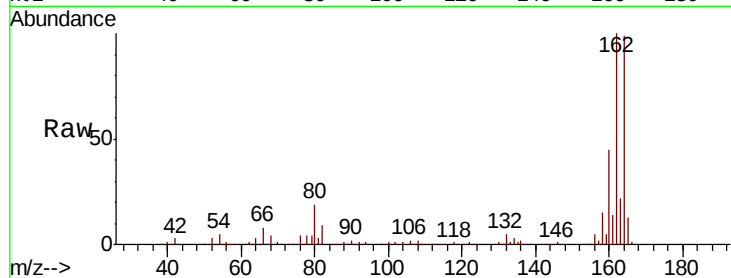




#57
 2,4-Dinitrotoluene
 Concen: 6.279 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.20 min
 Lab File: BF121243.D
 Acq: 11 Aug 2020 16:46

Instrument :
 BNA_F
 ClientSampleId :
 PN-SP

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	29.8	44.8#
89	1.2	50.3	75.5#
182	0.0	2.1	3.1#

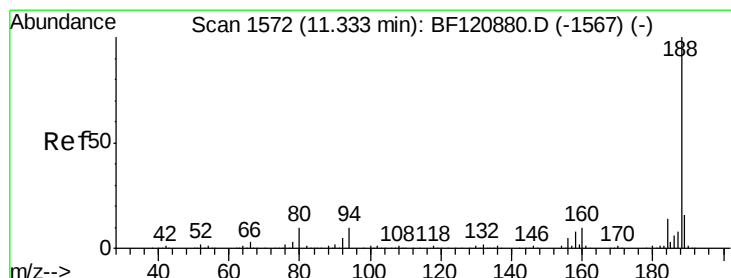
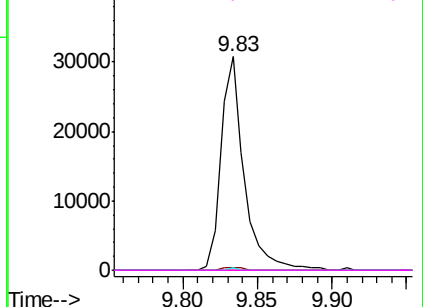
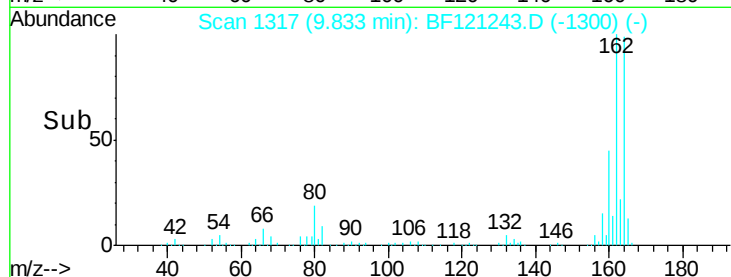


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

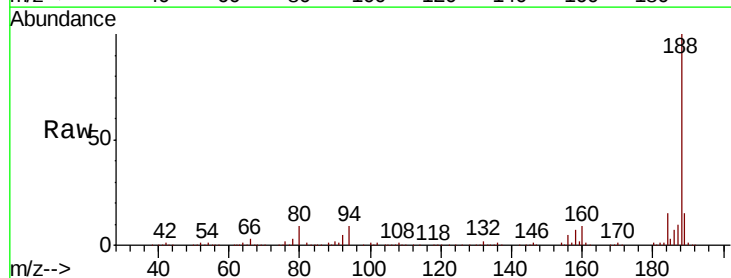
Ion 89.00 (88.70 to 89.70): BF1

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: BF121243.D
 Acq: 11 Aug 2020 16:46

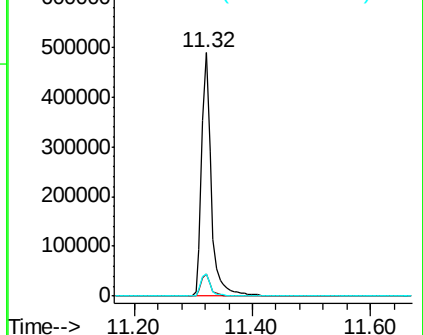
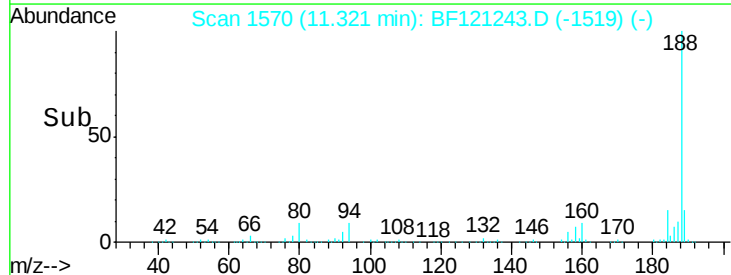
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.0	12.0
80	9.3	8.3	12.5

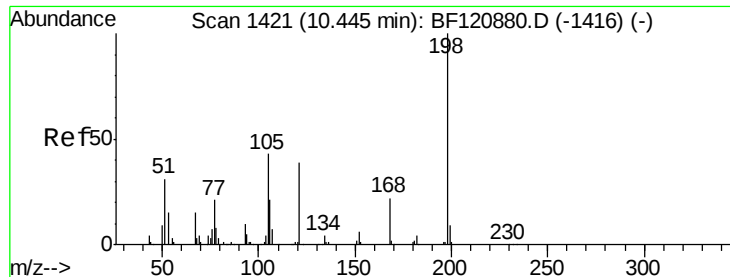


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

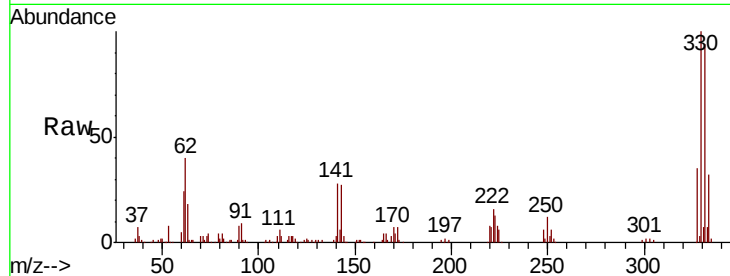




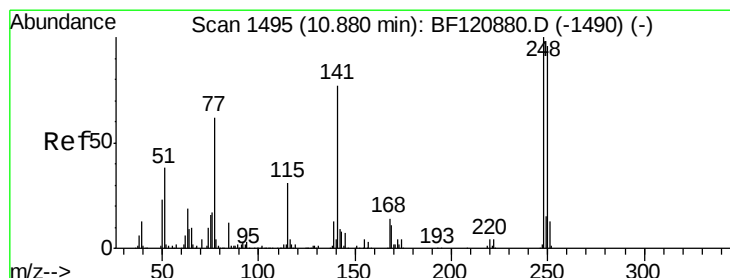
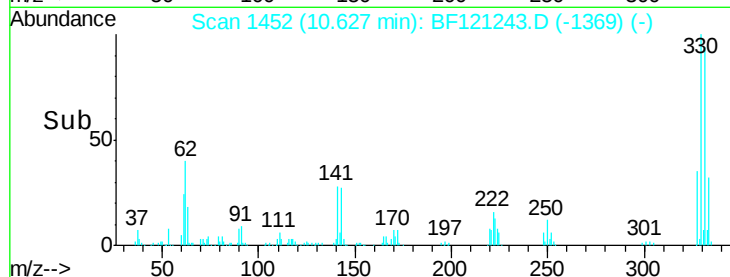
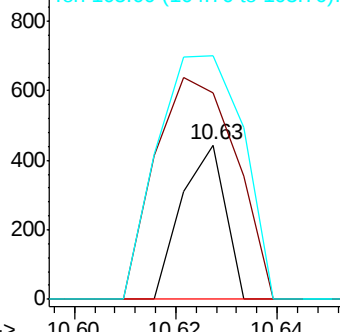
#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.920 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.19 min
 Lab File: BF121243.D
 Acq: 11 Aug 2020 16:46

Instrument :
 BNA_F
 ClientSampleId :
 PN-SP

Tot Ion:198 Resp: 267
 Ion Ratio Lower Upper
 198 100
 51 133.9 23.4 63.4#
 105 157.5 23.7 63.7#

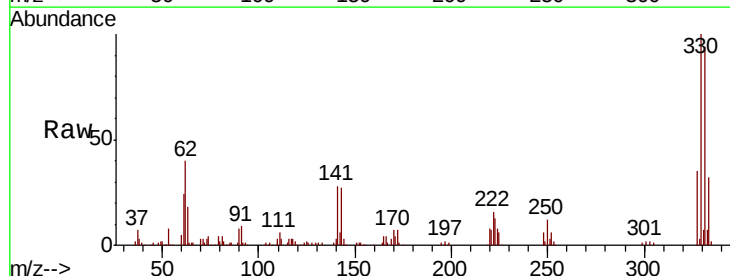


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

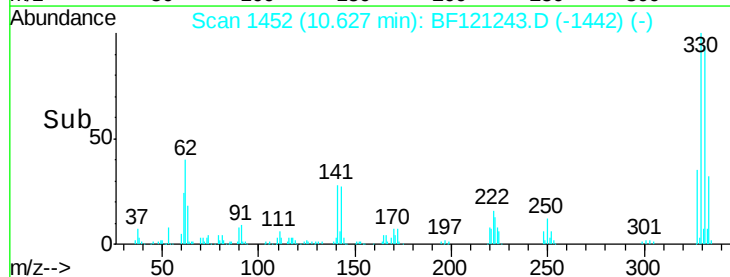
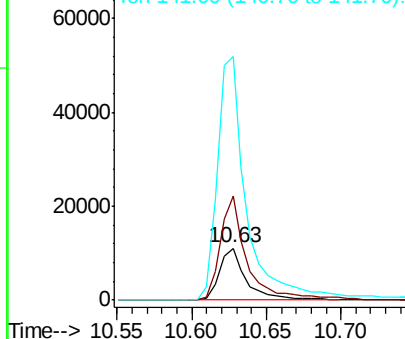


#67
 4-Bromophenyl-phenylether
 Concen: 2.280 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF121243.D
 Acq: 11 Aug 2020 16:46

Tgt Ion:248 Resp: 13844
 Ion Ratio Lower Upper
 248 100
 250 200.4 77.0 115.6#
 141 470.4 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

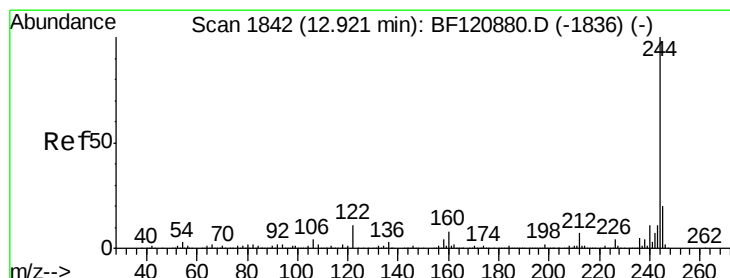
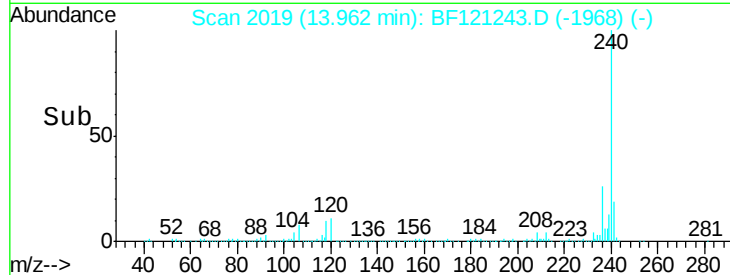
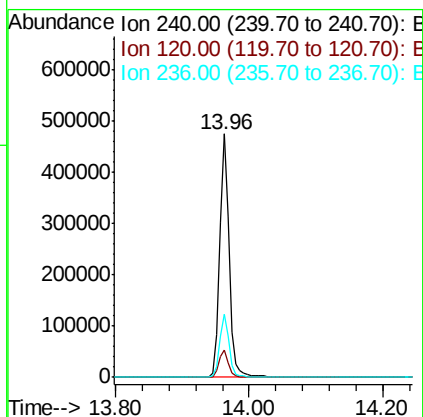
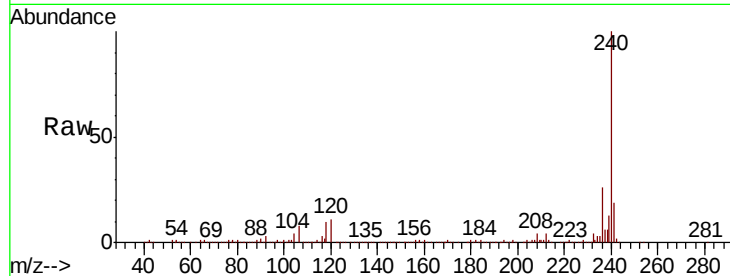




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.00 min
 Lab File: BF121243.D
 Acq: 11 Aug 2020 16:46

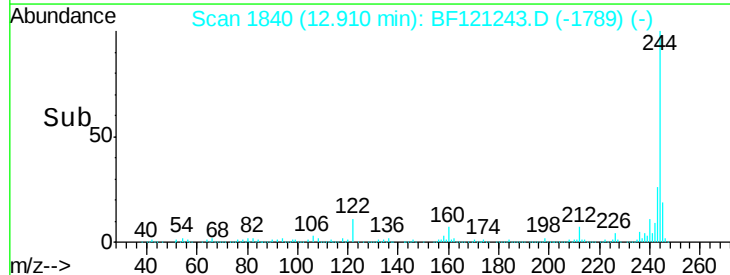
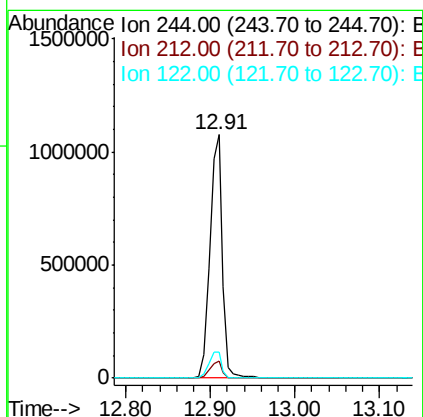
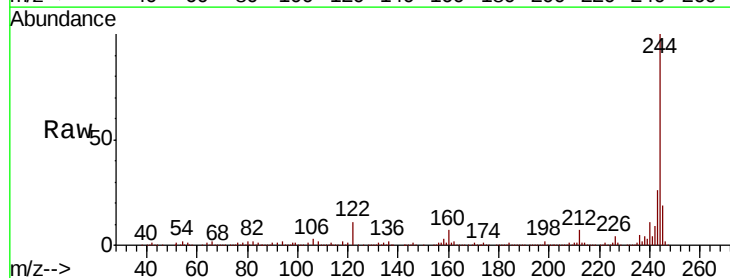
Instrument :
 BNA_F
 ClientSampleId :
 PN-SP

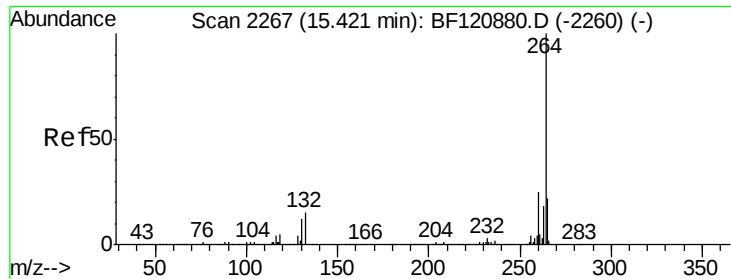
Tot Ion:240 Resp: 477589
 Ion Ratio Lower Upper
 240 100
 120 11.4 9.3 13.9
 236 26.2 21.1 31.7



#79
 Terphenyl-d14
 Concen: 50.886 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF121243.D
 Acq: 11 Aug 2020 16:46

Tgt Ion:244 Resp: 1117988
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 10.5 8.3 12.5



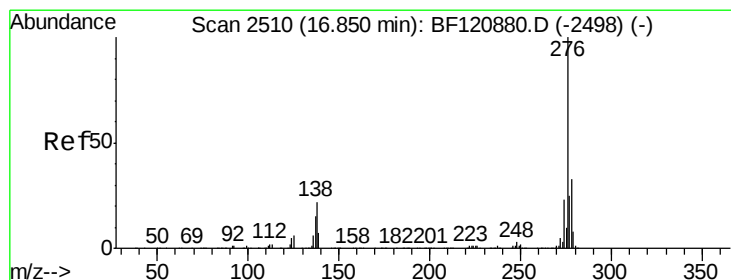
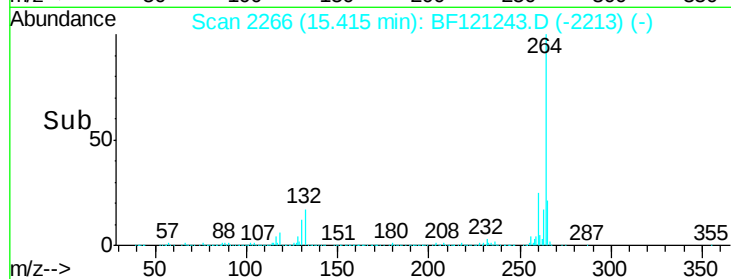
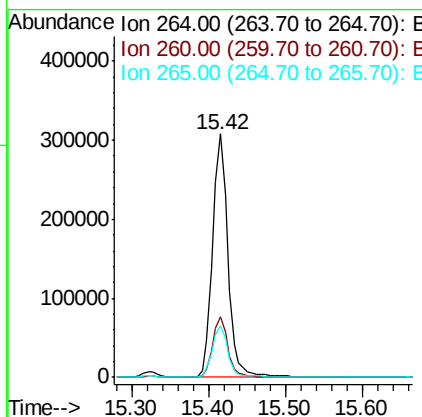
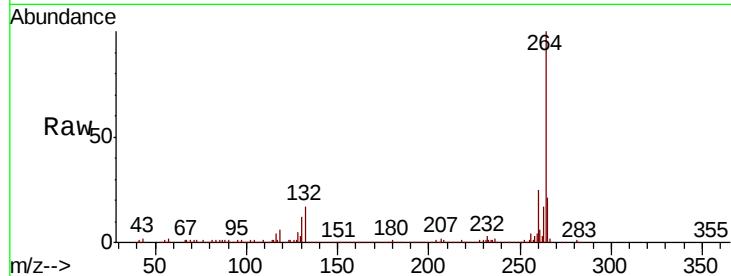


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF121243.D
Acq: 11 Aug 2020 16:46

Instrument :
BNA_F
ClientSampleId :
PN-SP

Tot Ion:264 Resp: 424159

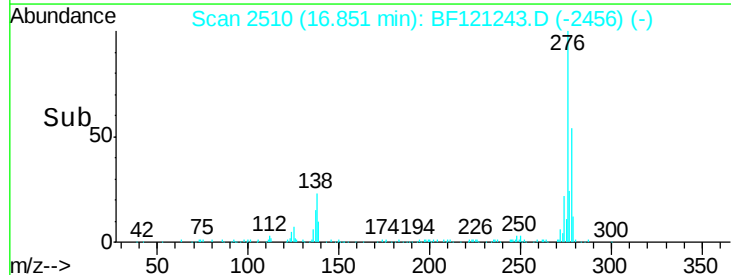
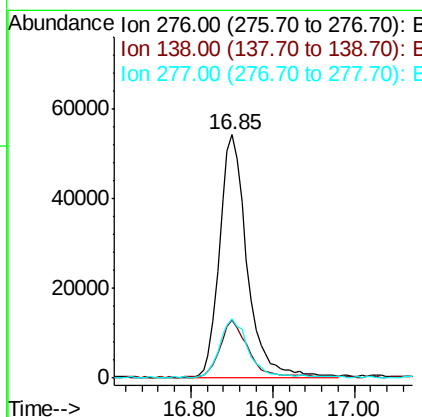
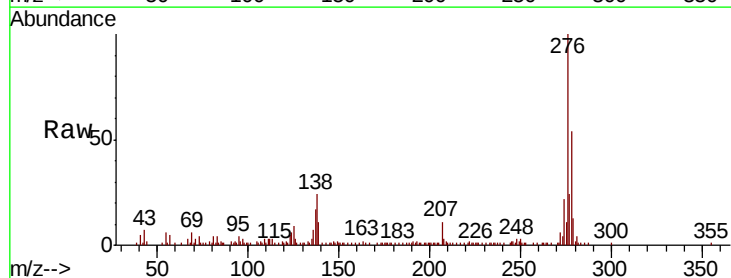
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.9	29.9
265	21.4	17.8	26.8

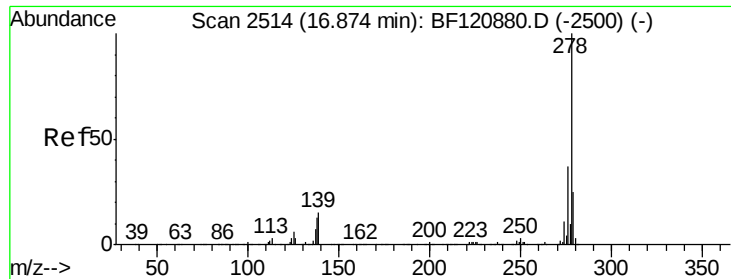


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.359 ng
RT: 16.85 min Scan# 2510
Delta R.T. 0.02 min
Lab File: BF121243.D
Acq: 11 Aug 2020 16:46

Tgt Ion:276 Resp: 128591

Ion	Ratio	Lower	Upper
276	100		
138	25.4	19.3	28.9
277	25.4	20.1	30.1





#91

Dibenzo(a,h)anthracene

Concen: 4.068 ng

RT: 16.86 min Scan# 2512

Delta R.T. 0.01 min

Lab File: BF121243.D

Acq: 11 Aug 2020 16:46

Instrument :

BNA_F

ClientSampleId :

PN-SP

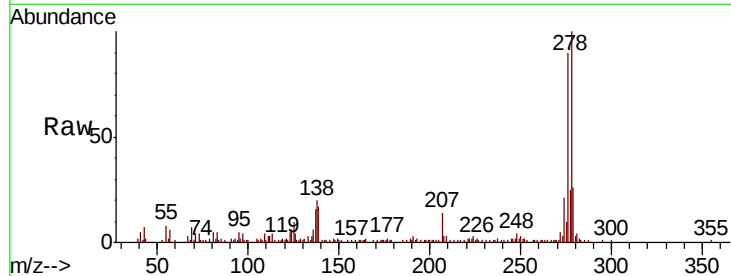
Tot Ion:278 Resp: 98026

Ion Ratio Lower Upper

278 100

139 16.7 12.6 18.8

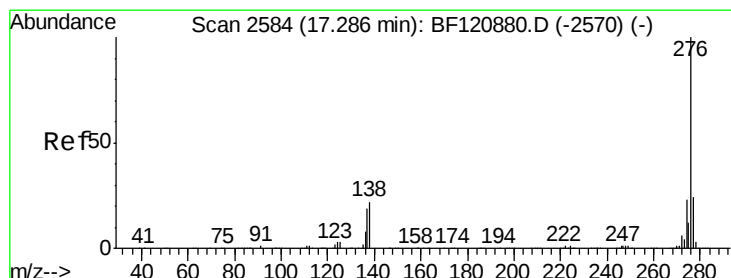
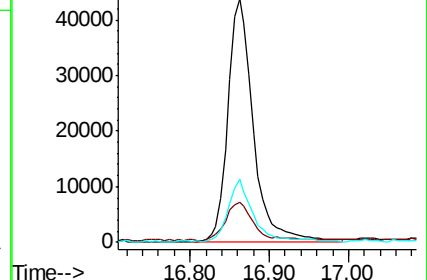
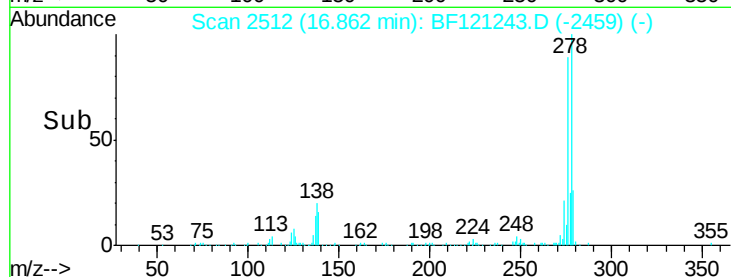
279 25.8 19.5 29.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.456 ng

RT: 17.29 min Scan# 2584

Delta R.T. 0.02 min

Lab File: BF121243.D

Acq: 11 Aug 2020 16:46

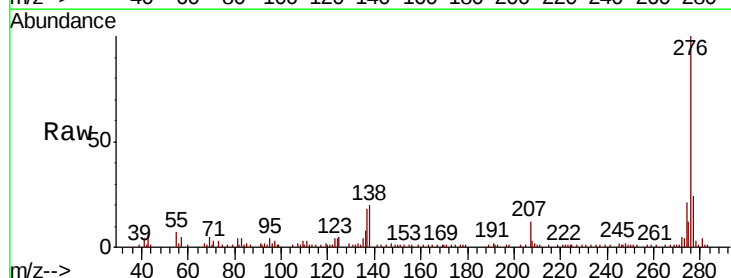
Tgt Ion:276 Resp: 129628

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 20.2 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

