

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
 Data File : BF121506.D
 Acq On : 1 Sep 2020 20:10
 Operator : JU/CG
 Sample : L3848-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-03-C

Quant Time: Sep 02 00:36:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	274574	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1045443	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	514177	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	889742	20.00	ng	0.00
76) Chrysene-d12	14.03	240	678708	20.00	ng	0.00
86) Perylene-d12	15.50	264	732640	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	493433	30.15	ng	-0.01
7) Phenol-d6	6.47	99	647261	28.30	ng	-0.02
23) Nitrobenzene-d5	7.41	82	398904	26.09	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	167736	32.30	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	836563	26.25	ng	-0.01
79) Terphenyl-d14	12.97	244	727726	22.57	ng	0.00

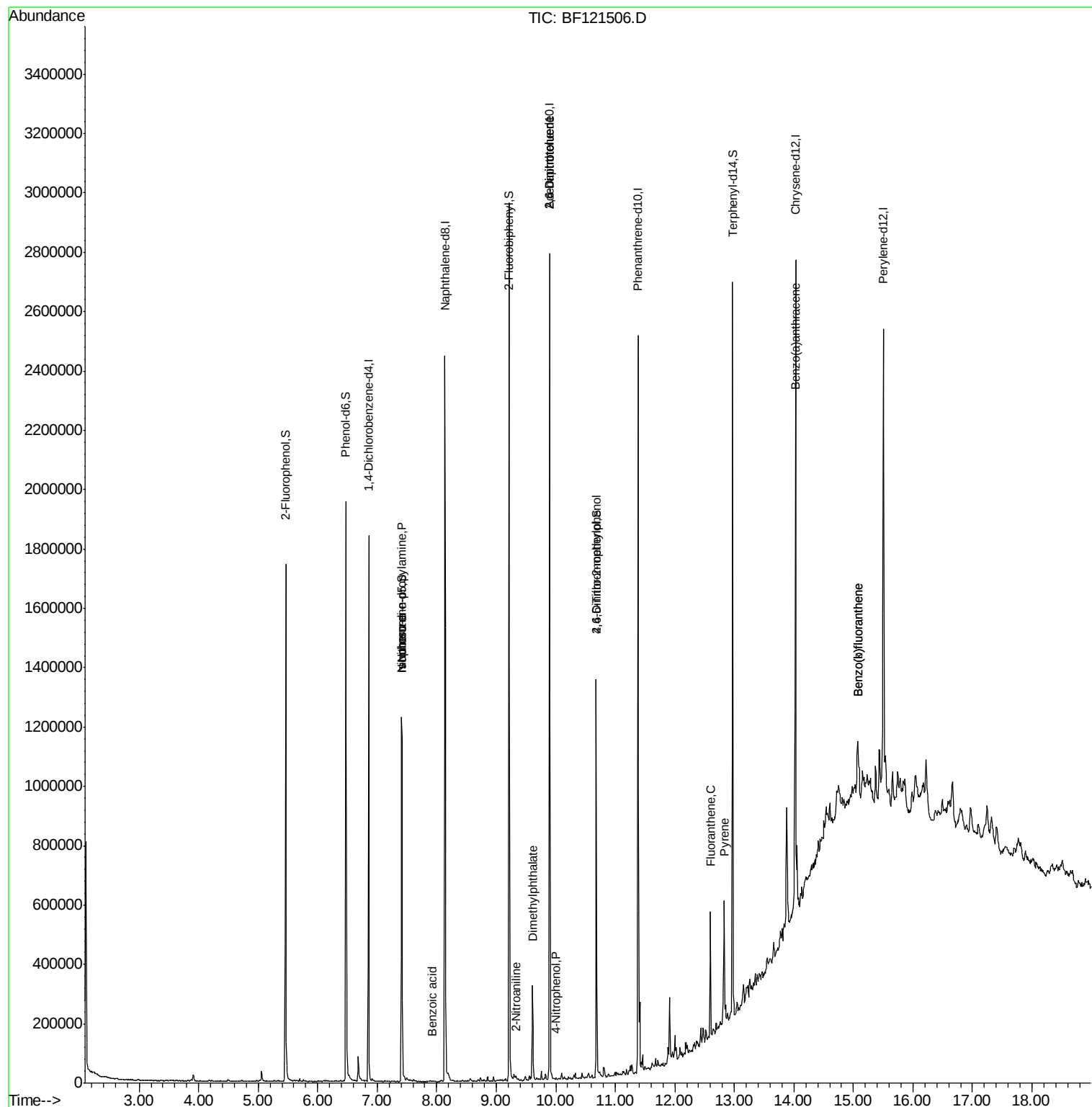
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	444	Below Cal		# 80
19) n-Nitroso-di-n-propylamine	7.41	70	52403	4.100	ng	# 80
25) Isophorone	7.41	82	393652	11.445	ng	# 64
32) Benzoic acid	7.92	122	113	6.676	ng	# 1
48) 2-Nitroaniline	9.33	65	237	6.670	ng	# 5
50) Dimethylphthalate	9.61	163	121569	3.442	ng	99
51) 2,6-Dinitrotoluene	9.90	165	69117	15.464	ng	# 24
56) 4-Nitrophenol	10.00	139	116	7.872	ng	# 25
57) 2,4-Dinitrotoluene	9.90	165	69118	14.472	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.68	198	279	5.572	ng	# 1
75) Fluoranthene	12.60	202	159939	3.250	ng	95
78) Pylene	12.83	202	162910	3.361	ng	96
81) Benzo(a)anthracene	14.02	228	88020	2.124	ng	96
88) Benzo(b)fluoranthene	15.07	252	141131	2.961	ng	# 88
89) Benzo(k)fluoranthene	15.07	252	141131	3.184	ng	# 87

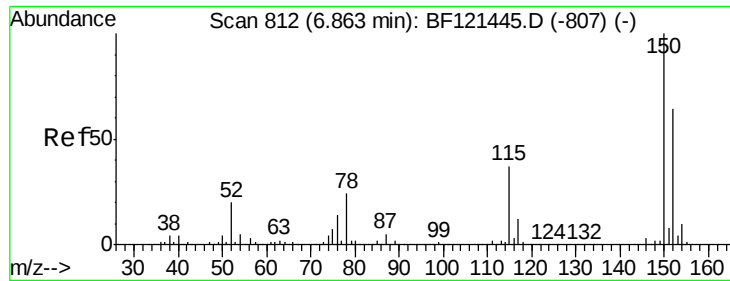
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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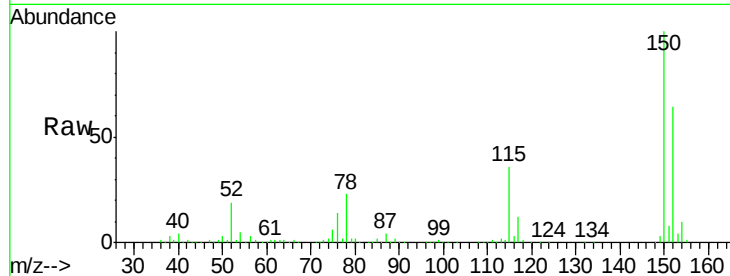


#1

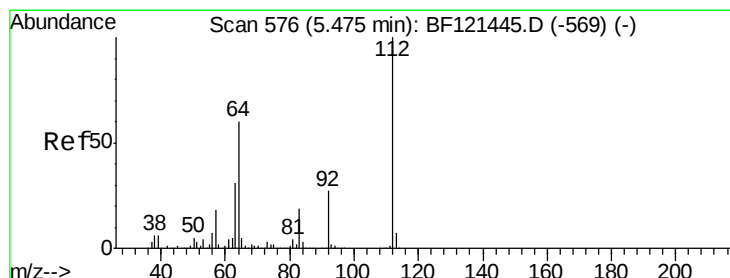
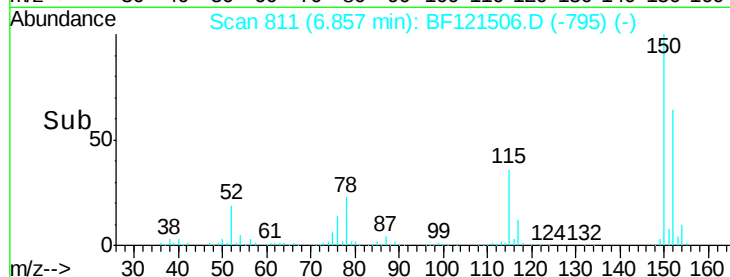
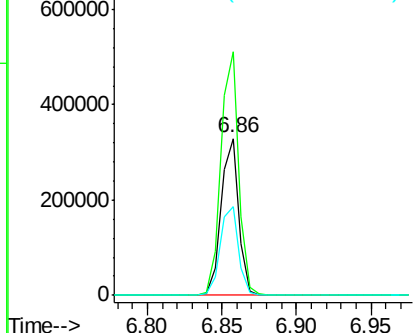
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-03-C

Tot Ion:152 Resp: 274574
Ion Ratio Lower Upper
152 100
150 155.5 125.8 188.6
115 56.6 46.6 69.8



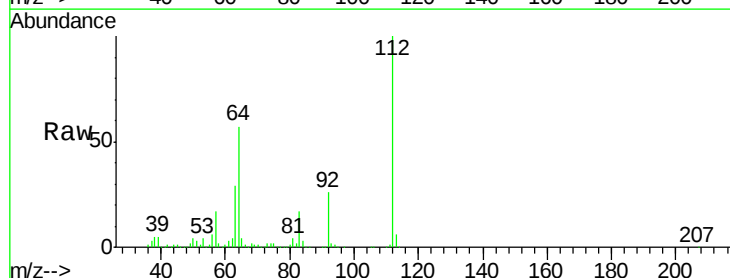
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



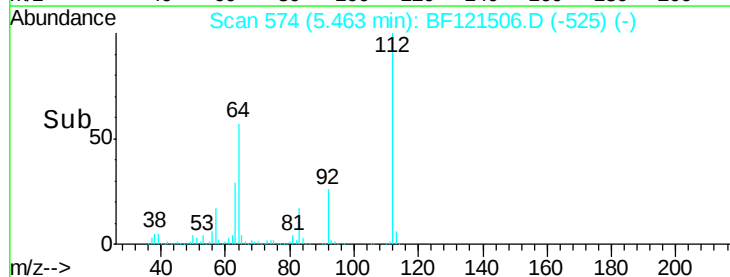
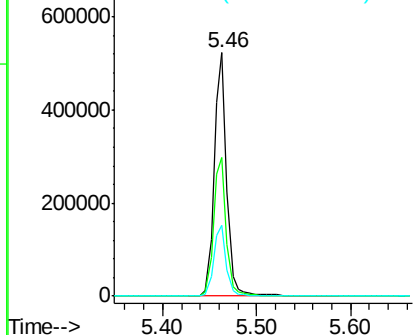
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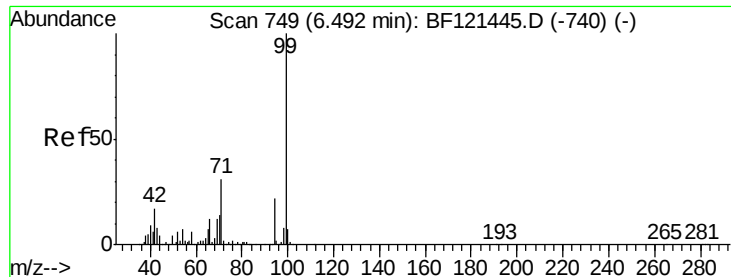
2-Fluorophenol
Concen: 30.150 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Tgt Ion:112 Resp: 493433
Ion Ratio Lower Upper
112 100
64 56.9 48.2 72.2
63 28.9 24.8 37.2



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: 28.301 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF121506.D

Acq: 1 Sep 2020 20:10

Instrument :

BNA_F

ClientSampleId :

LINDEN-BH-03-C

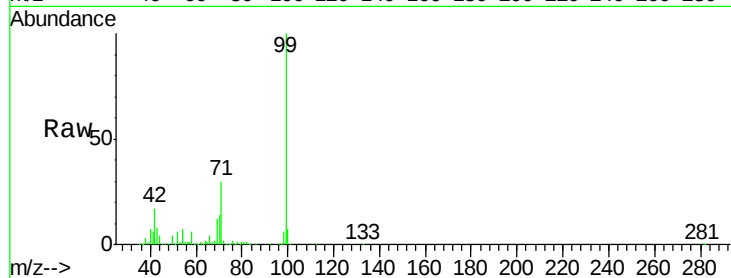
Tot Ion: 99 Resp: 647261

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

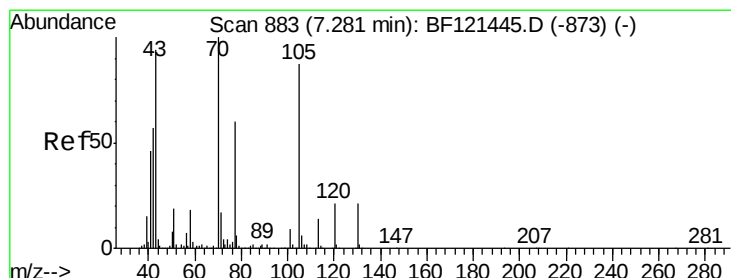
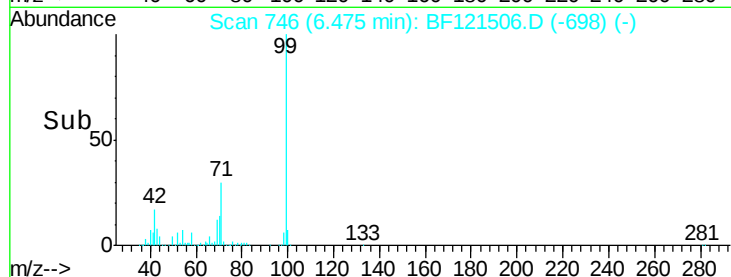
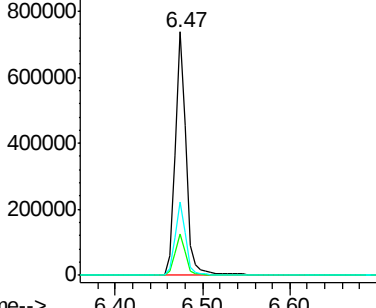
71 30.4 24.6 37.0



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: 4.100 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.13 min

Lab File: BF121506.D

Acq: 1 Sep 2020 20:10

Tgt Ion: 70 Resp: 52403

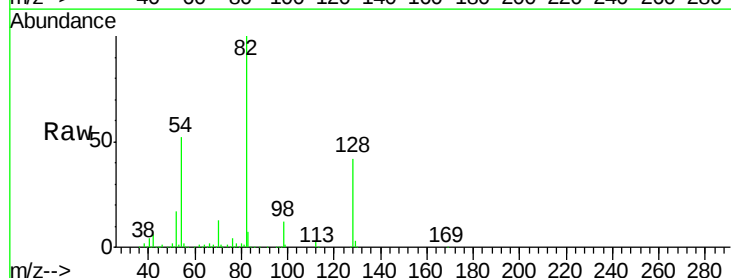
Ion Ratio Lower Upper

70 100

42 48.2 45.8 68.6

101 0.0 7.5 11.3#

130 1.9 16.5 24.7#

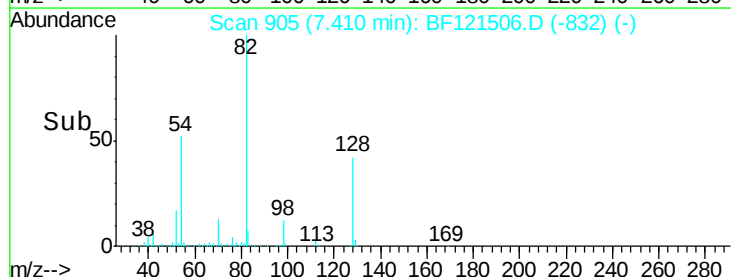
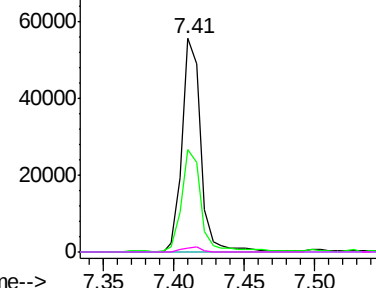


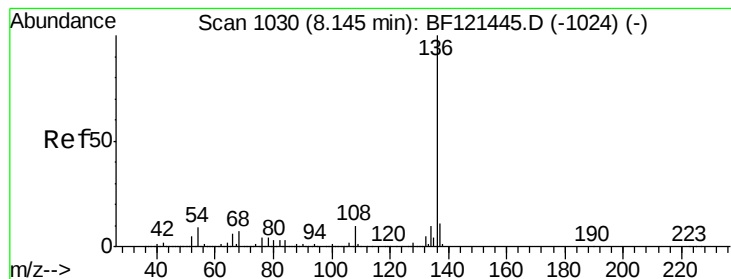
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF121506.D

Acq: 1 Sep 2020 20:10

Instrument :

BNA_F

ClientSampleId :

LINDEN-BH-03-C

Tot Ion:136 Resp: 1045443

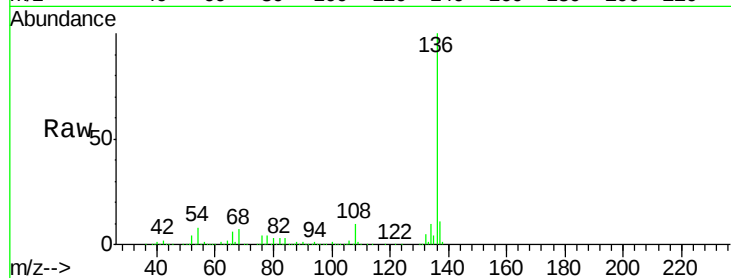
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.4 7.0 10.4

68 6.8 5.5 8.3

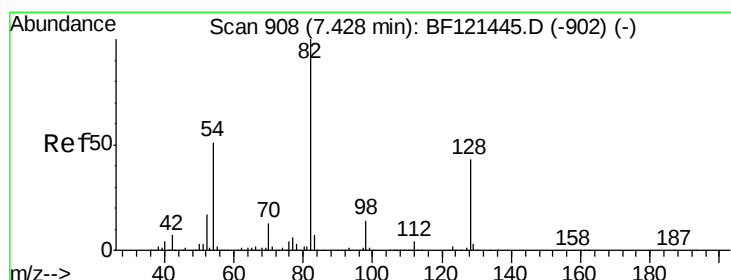
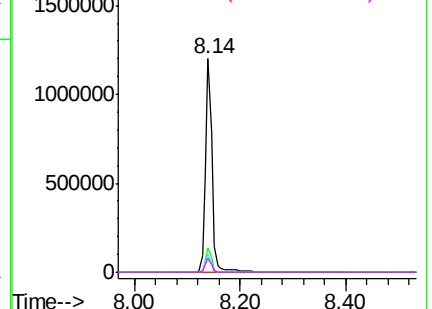
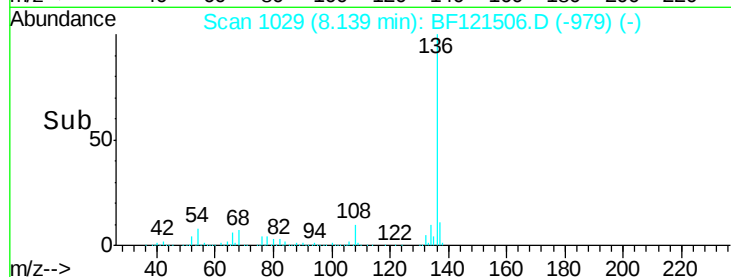


Abundance Ion 136.00 (135.70 to 136.70): E

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: 26.086 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF121506.D

Acq: 1 Sep 2020 20:10

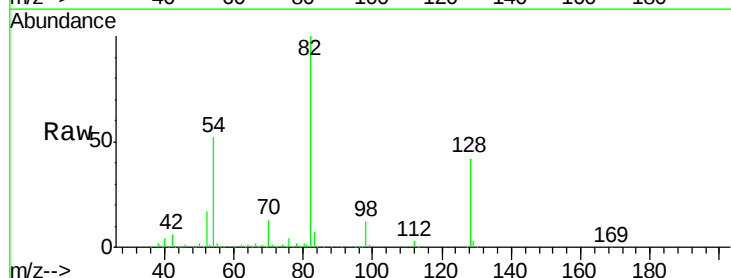
Tgt Ion: 82 Resp: 398904

Ion Ratio Lower Upper

82 100

128 41.7 34.1 51.1

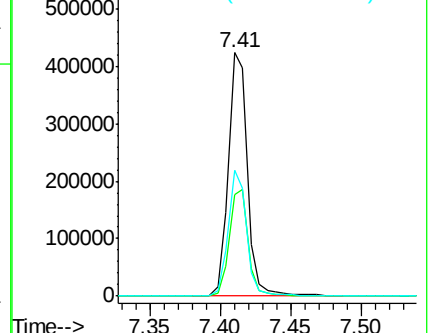
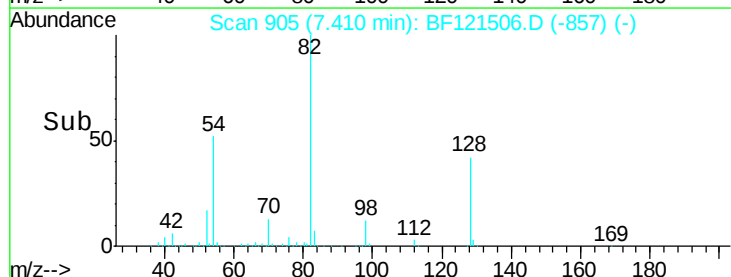
54 51.6 41.0 61.6

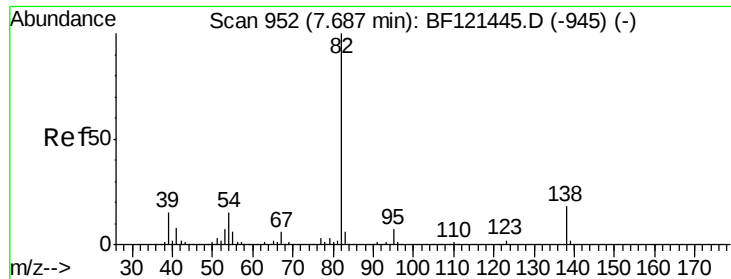


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 11.445 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.28 min

Lab File: BF121506.D

Acq: 1 Sep 2020 20:10

Instrument :

BNA_F

ClientSampleId :

LINDEN-BH-03-C

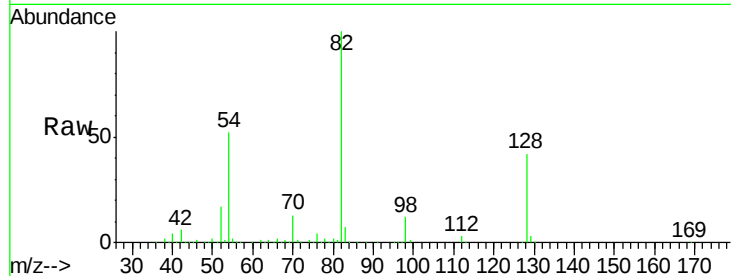
Tot Ion: 82 Resp: 393652

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

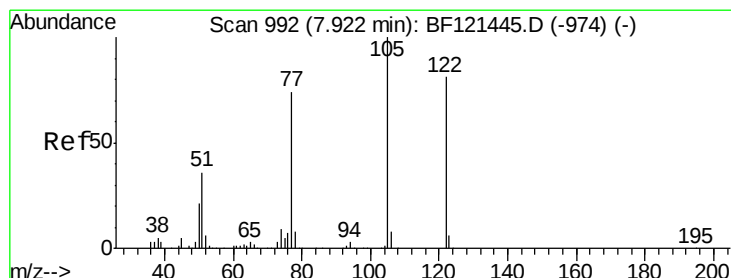
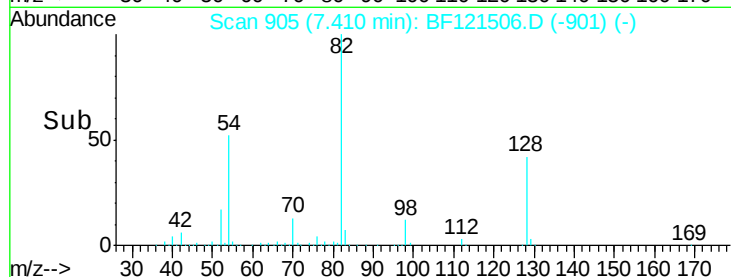
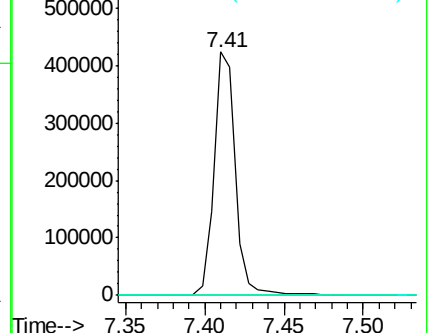
138 0.0 14.8 22.2#



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



#32

Benzoic acid

Concen: 6.676 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.00 min

Lab File: BF121506.D

Acq: 1 Sep 2020 20:10

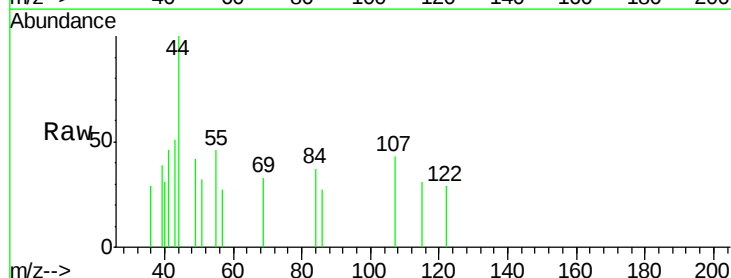
Tgt Ion: 122 Resp: 113

Ion Ratio Lower Upper

122 100

105 0.0 100.8 140.8#

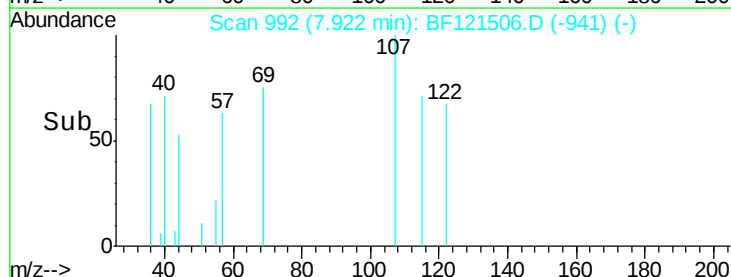
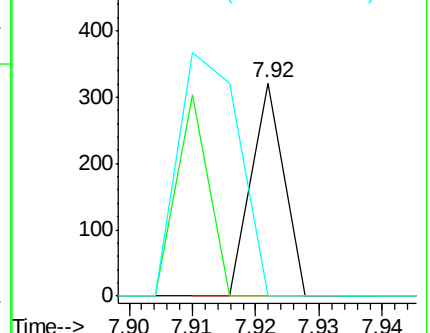
77 0.0 71.5 111.5#

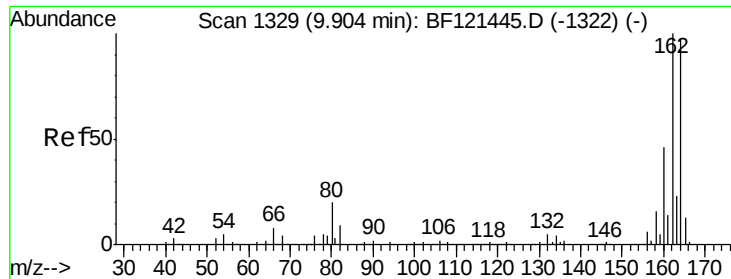


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

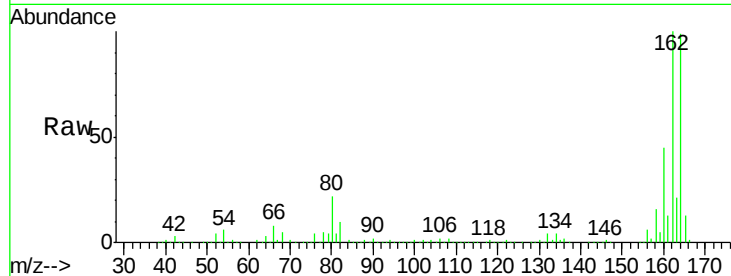




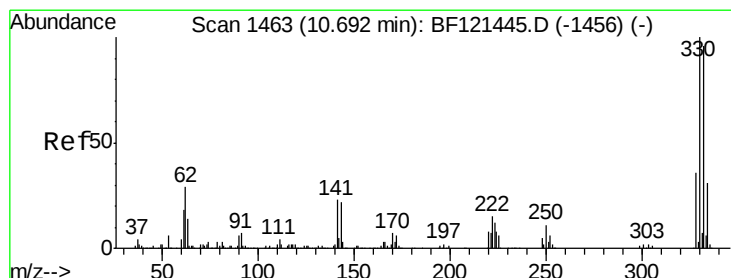
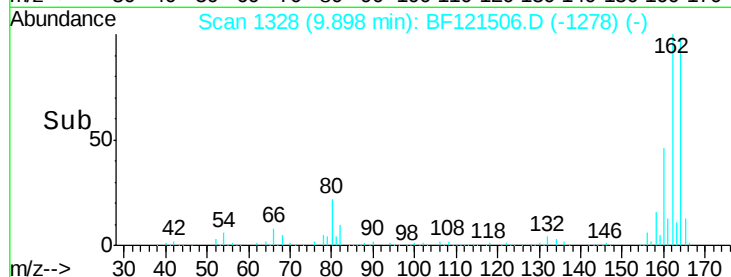
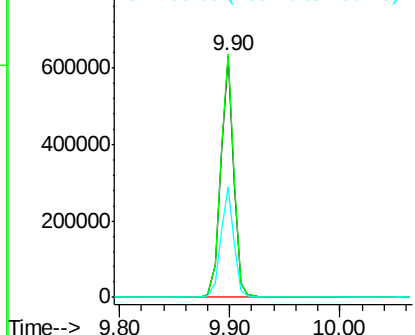
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-03-C

Tot Ion:164 Resp: 514177
Ion Ratio Lower Upper
164 100
162 100.8 82.4 123.6
160 45.9 37.6 56.4

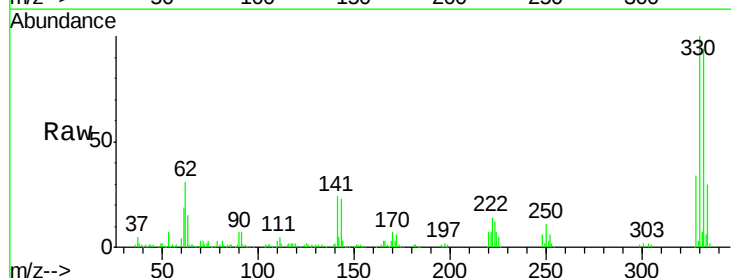


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

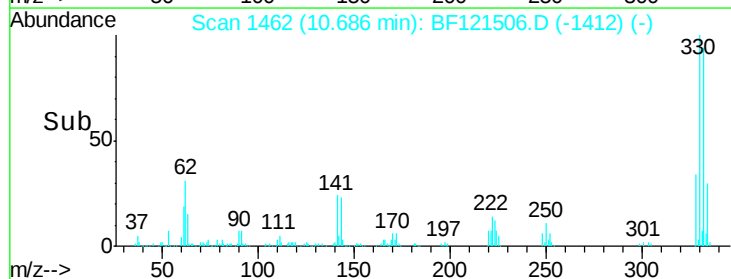
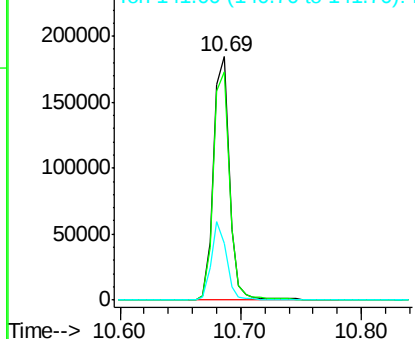


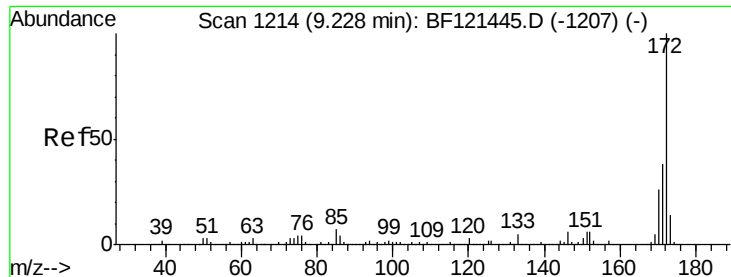
#42
2,4,6-Tribromophenol
Concen: 32.298 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Tgt Ion:330 Resp: 167736
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.2
141 31.5 24.6 36.8



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

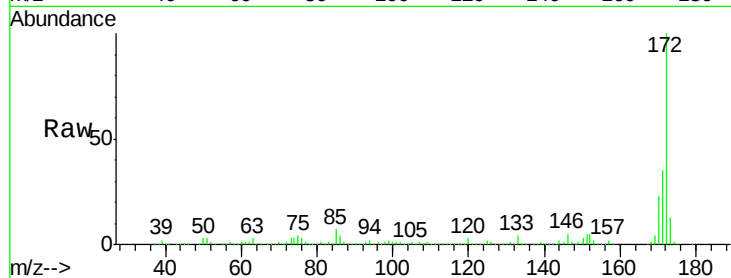




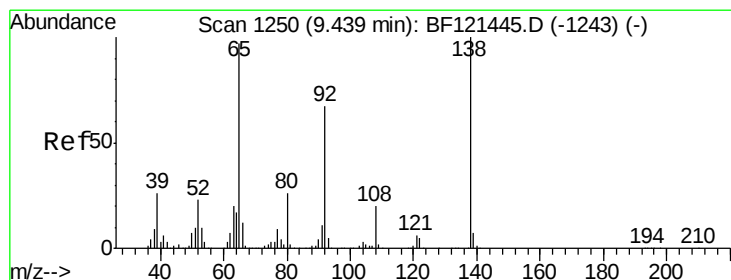
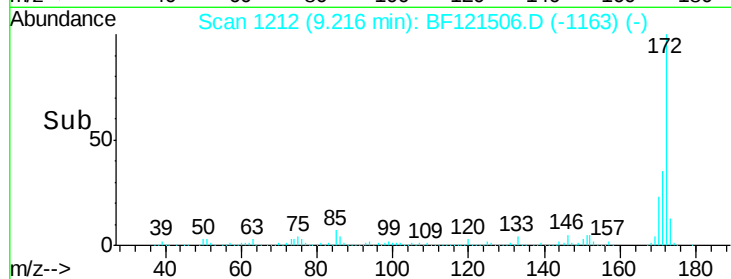
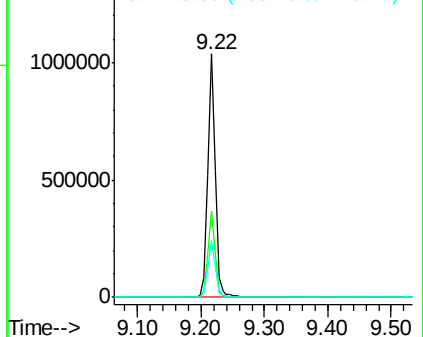
#45
2-Fluorobiphenyl
Concen: 26.252 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-03-C

Tot Ion:172 Resp: 836563
Ion Ratio Lower Upper
172 100
171 35.2 30.6 45.8
170 23.3 20.6 31.0

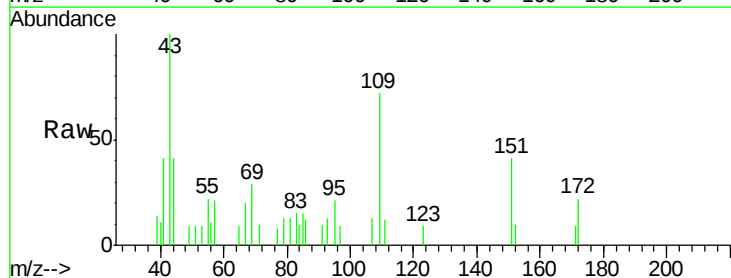


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

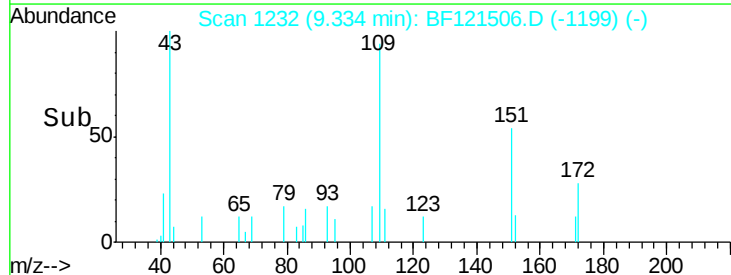
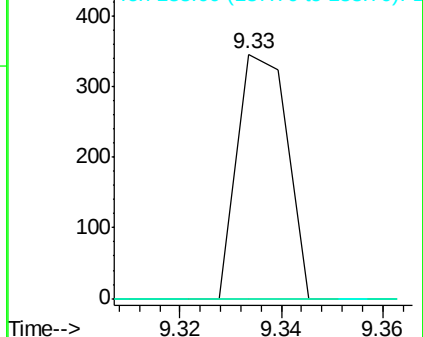


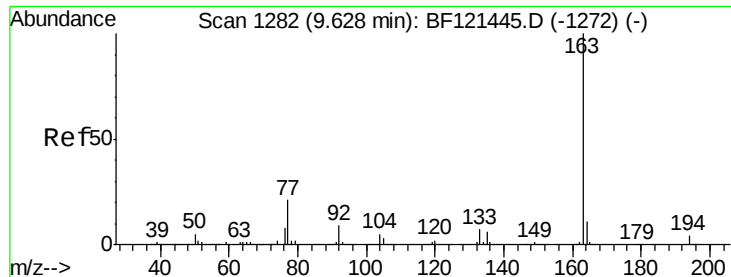
#48
2-Nitroaniline
Concen: 6.670 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.11 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Tgt Ion: 65 Resp: 237
Ion Ratio Lower Upper
65 100
92 0.0 55.6 83.4#
138 0.0 82.9 124.3#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 3.442 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF121506.D

Acq: 1 Sep 2020 20:10

Instrument :

BNA_F

ClientSampleId :

LINDEN-BH-03-C

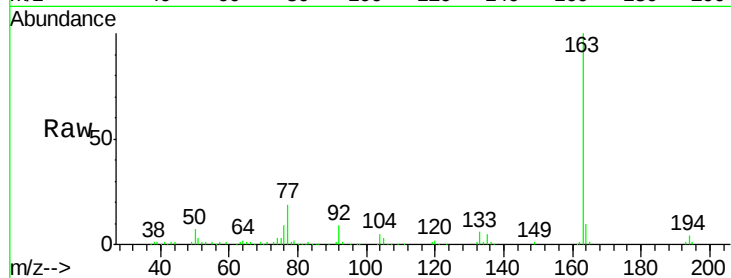
Tot Ion:163 Resp: 121569

Ion Ratio Lower Upper

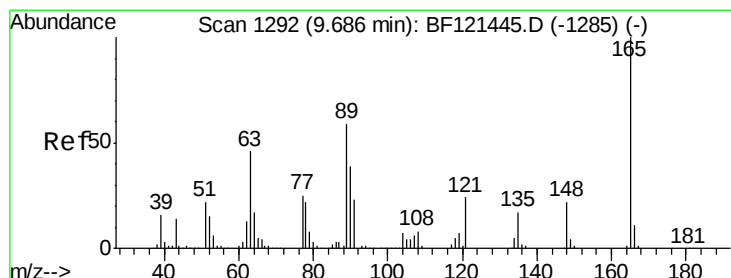
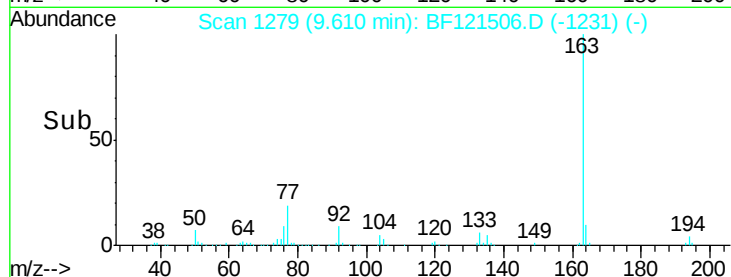
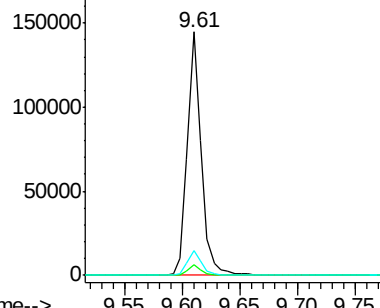
163 100

194 4.2 3.3 4.9

164 10.3 8.6 12.8



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: 15.464 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF121506.D

Acq: 1 Sep 2020 20:10

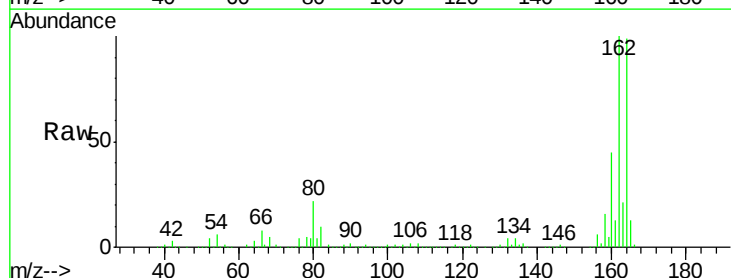
Tgt Ion:165 Resp: 69117

Ion Ratio Lower Upper

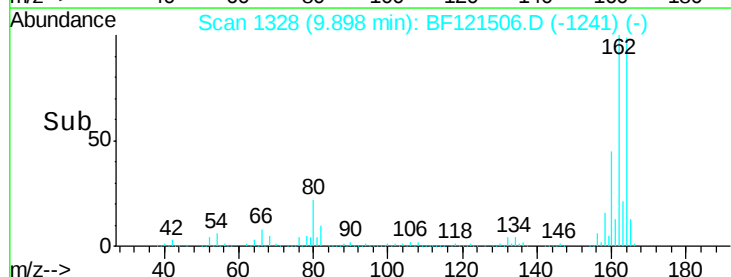
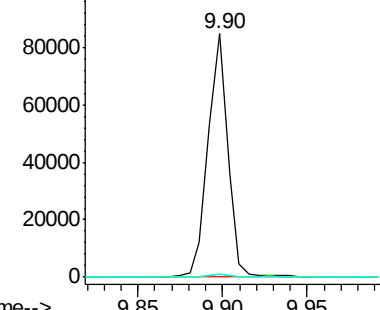
165 100

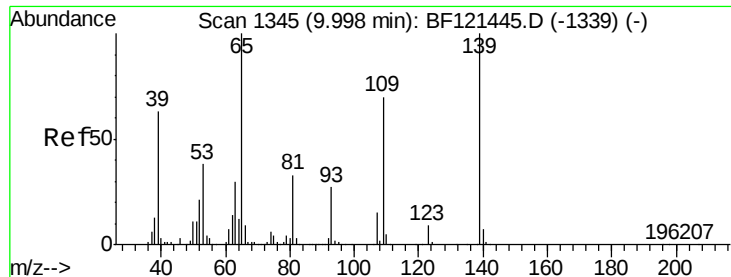
63 1.0 43.6 65.4#

89 1.3 47.4 71.2#



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

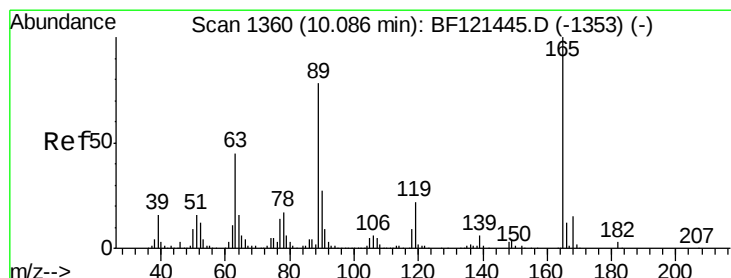
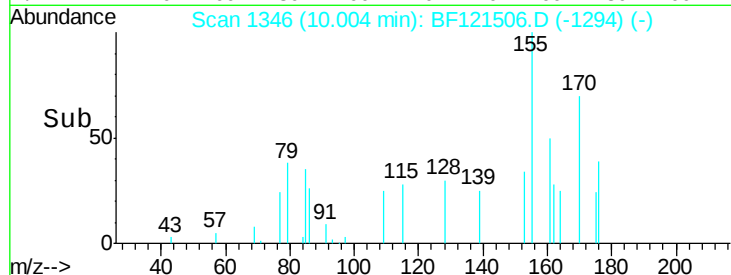
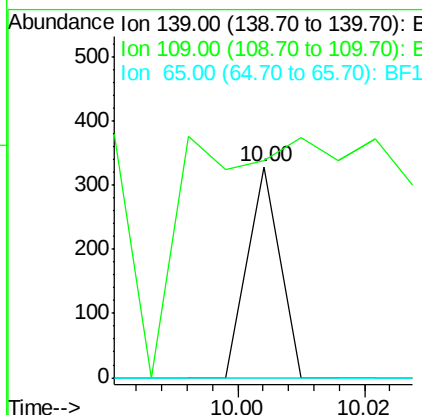
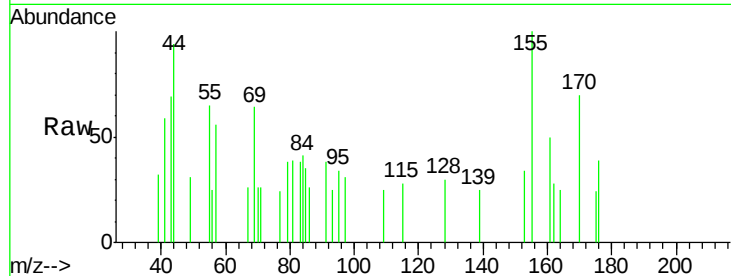




#56
4-Nitrophenol
Concen: 7.872 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

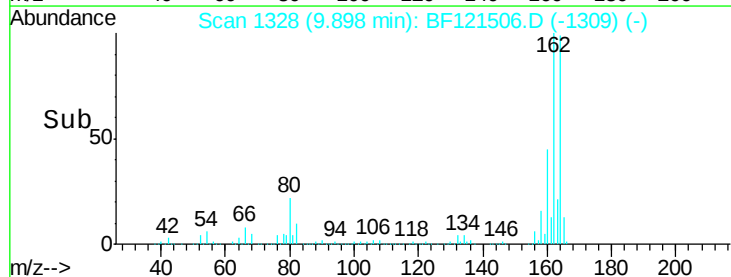
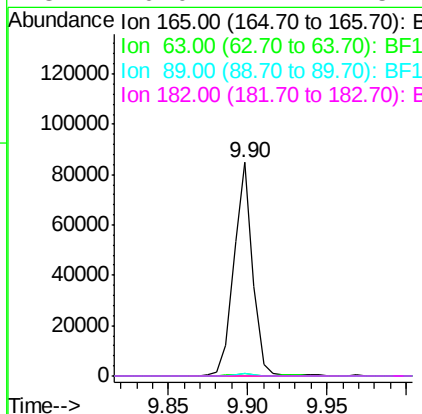
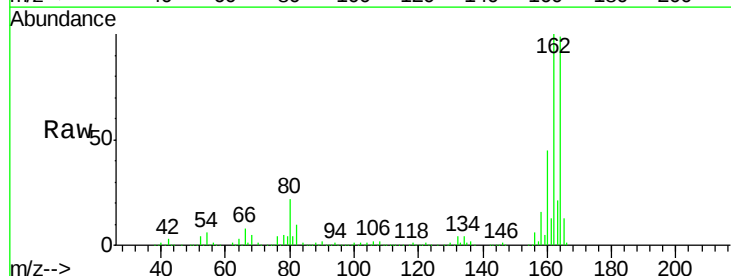
Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-03-C

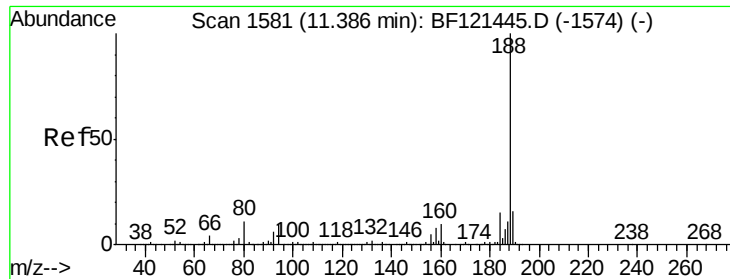
Tot Ion:139 Resp: 116
Ion Ratio Lower Upper
139 100
109 103.0 50.5 90.5#
65 0.0 80.2 120.2#



#57
2,4-Dinitrotoluene
Concen: 14.472 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Tgt Ion:165 Resp: 69118
Ion Ratio Lower Upper
165 100
63 1.0 36.0 54.0#
89 1.3 62.6 93.8#
182 0.0 2.2 3.2#

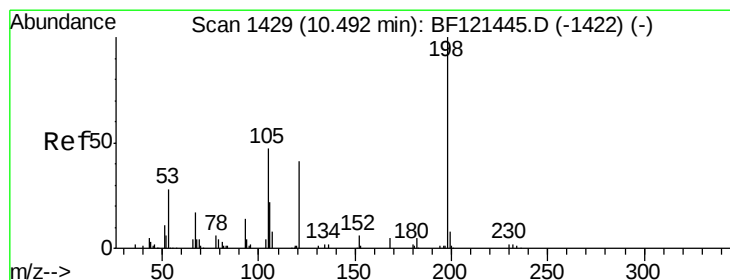
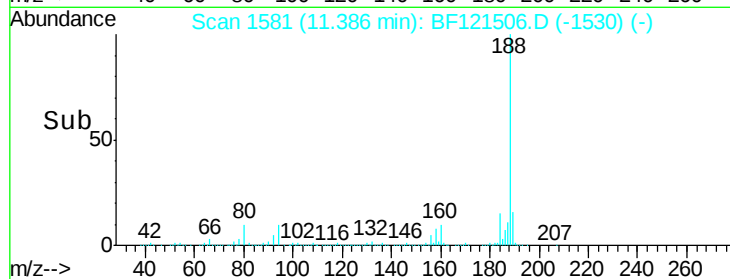
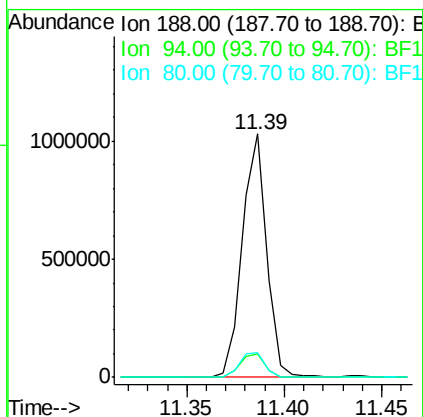
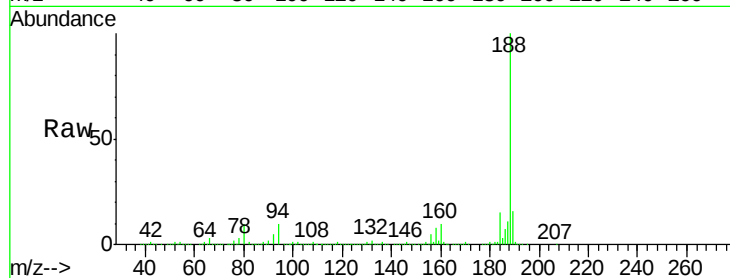




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

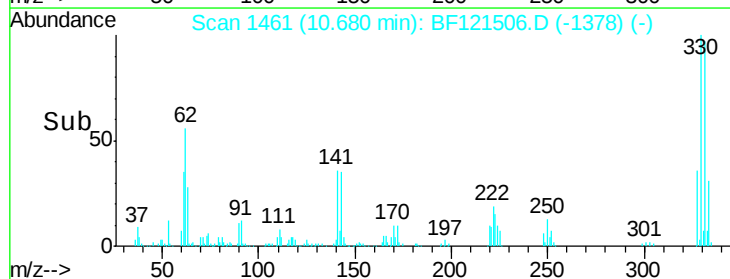
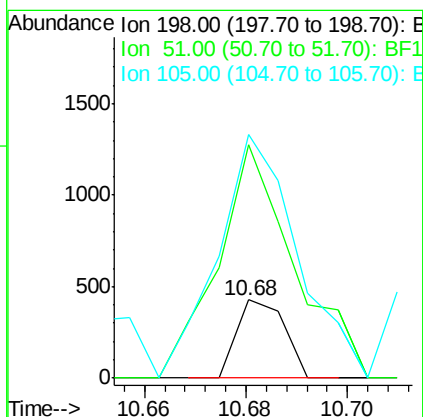
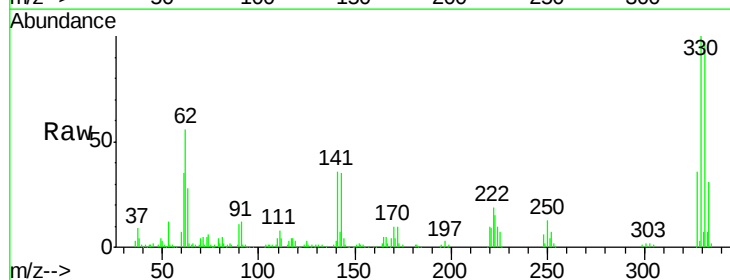
Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-03-C

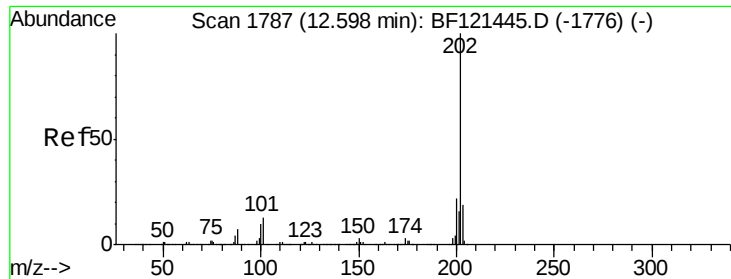
Tot Ion:188 Resp: 889742
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.2 8.6 13.0



#65
4,6-Dinitro-2-methylphenol
Concen: 5.572 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.19 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Tgt Ion:198 Resp: 279
Ion Ratio Lower Upper
198 100
51 298.8 29.0 69.0#
105 312.4 29.1 69.1#





#75

Fluoranthene

Concen: 3.250 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF121506.D

Acq: 1 Sep 2020 20:10

Instrument :

BNA_F

ClientSampleId :

LINDEN-BH-03-C

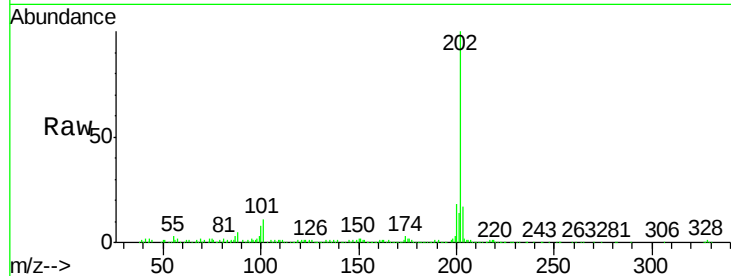
Tot Ion:202 Resp: 159939

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.3

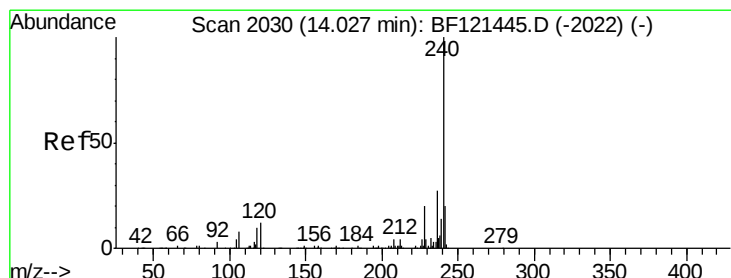
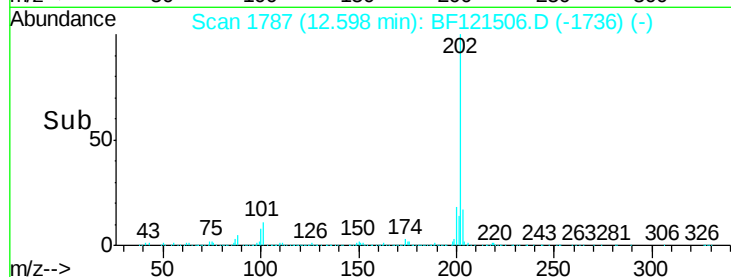
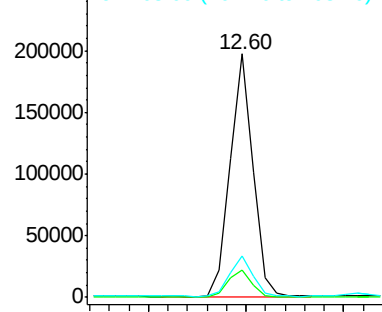
203 16.8 0.0 39.1



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: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF121506.D

Acq: 1 Sep 2020 20:10

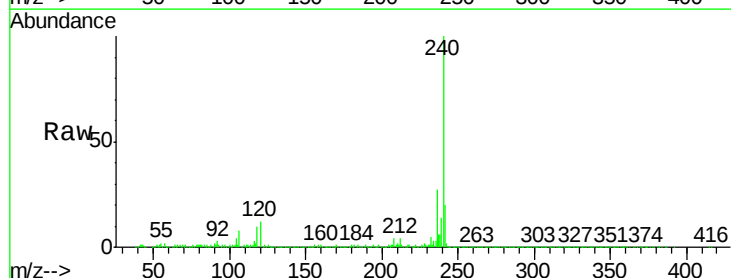
Tgt Ion:240 Resp: 678708

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

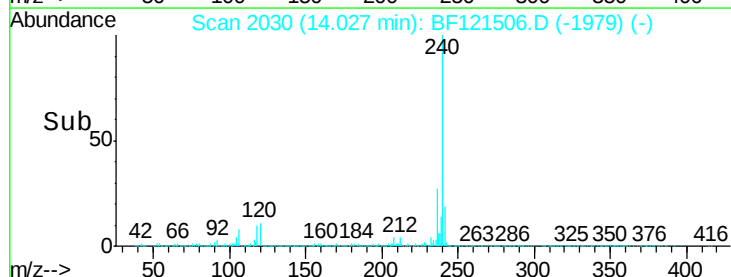
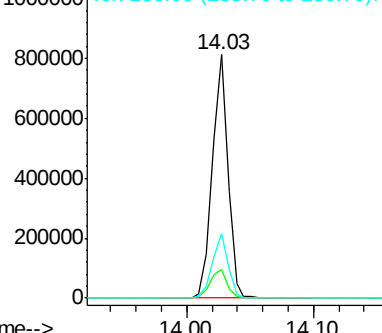
236 26.6 21.8 32.6

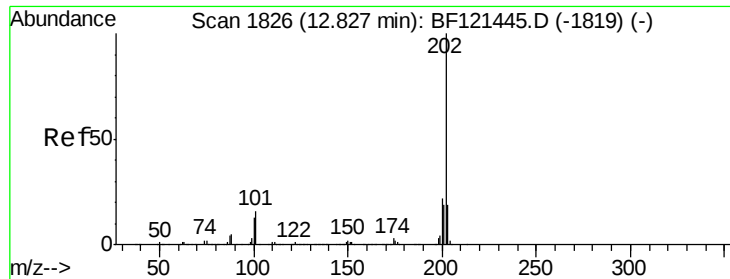


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

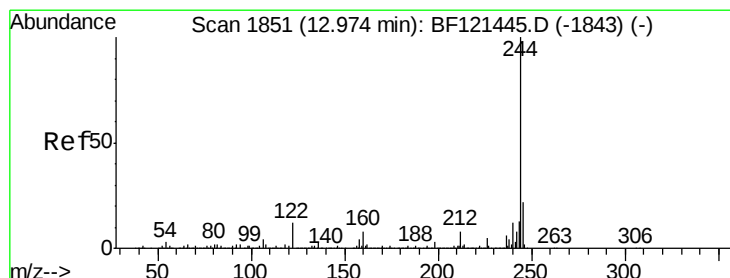
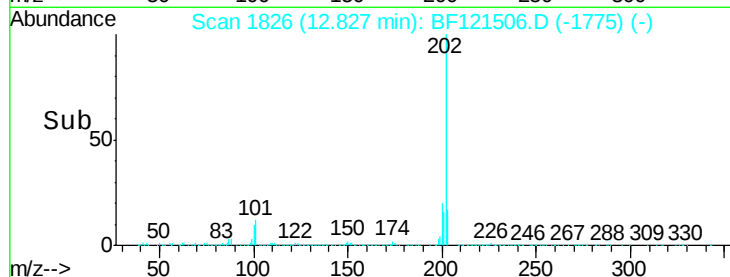
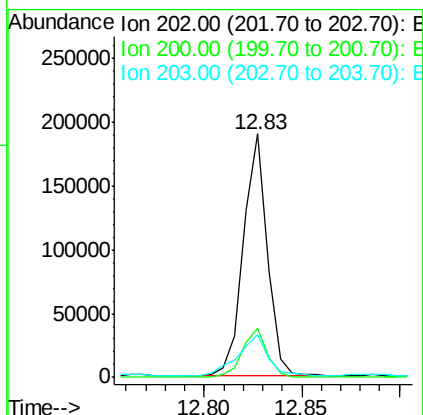
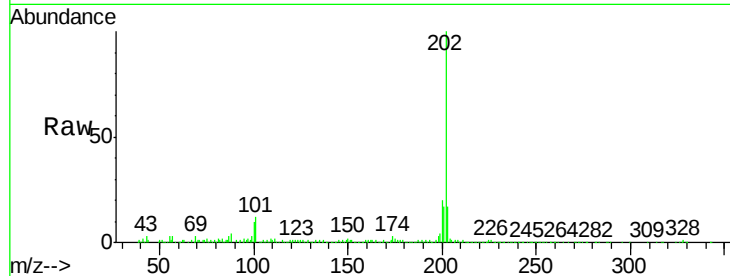




#78
Pvrene
Concen: 3.361 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

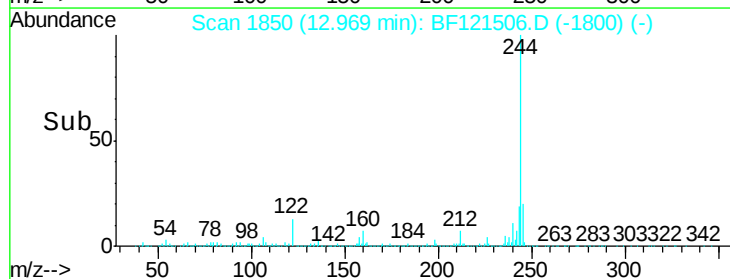
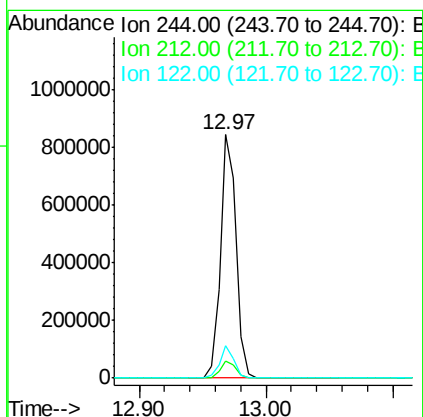
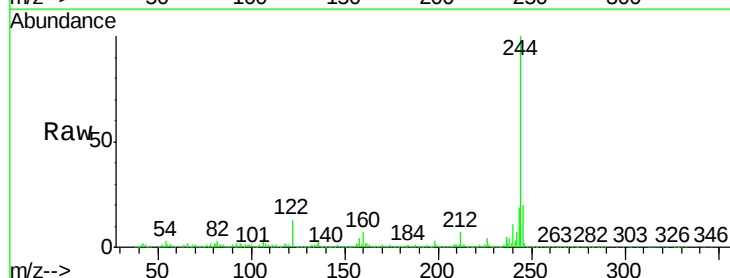
Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-03-C

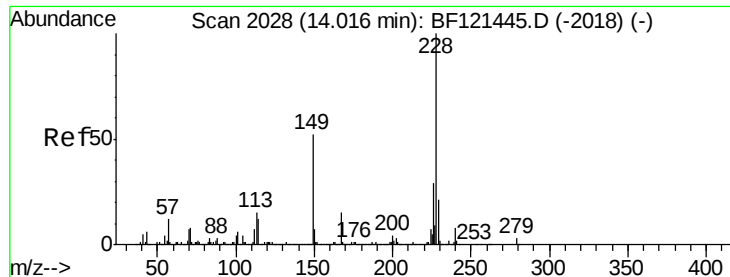
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	18.0	27.0
203	17.5	15.3	22.9



#79
Terphenyl-d14
Concen: 22.570 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.3	9.5
122	13.1	9.5	14.3

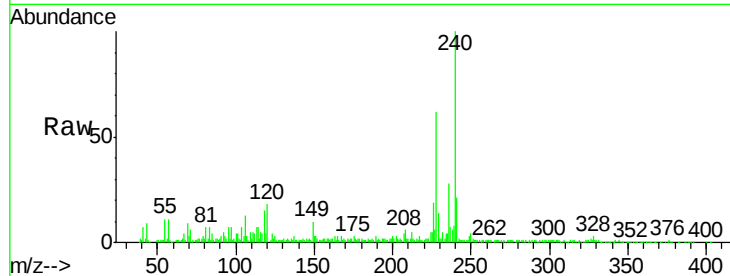




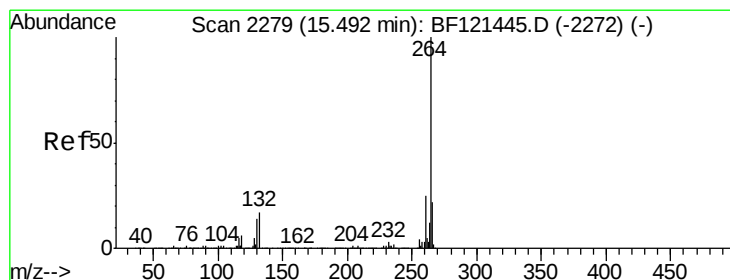
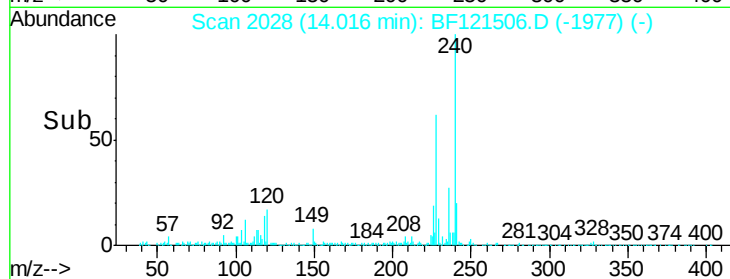
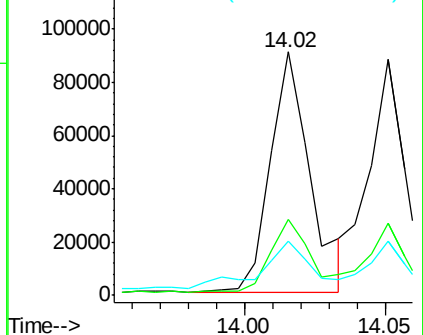
#81
Benzo(a)anthracene
Concen: 2.124 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-03-C

Tot Ion:228 Resp: 88020
Ion Ratio Lower Upper
228 100
226 31.0 23.0 34.4
229 22.0 16.6 24.8

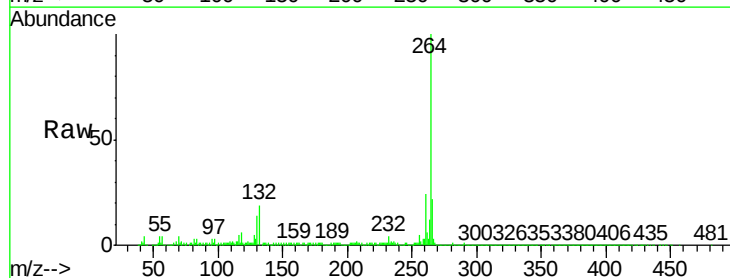


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

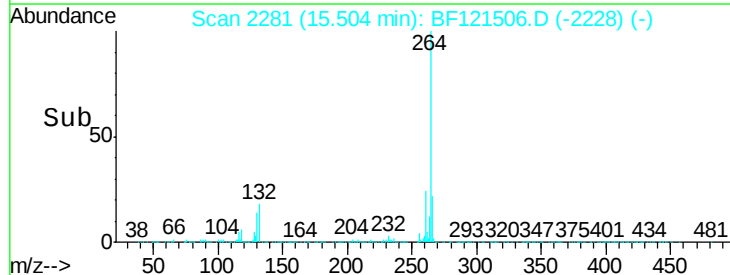
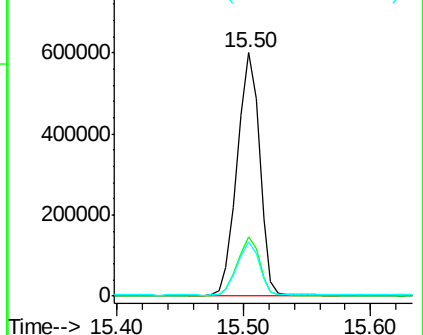


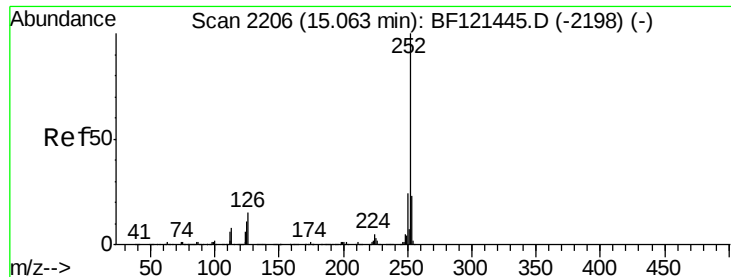
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Tgt Ion:264 Resp: 732640
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 22.2 17.8 26.6



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

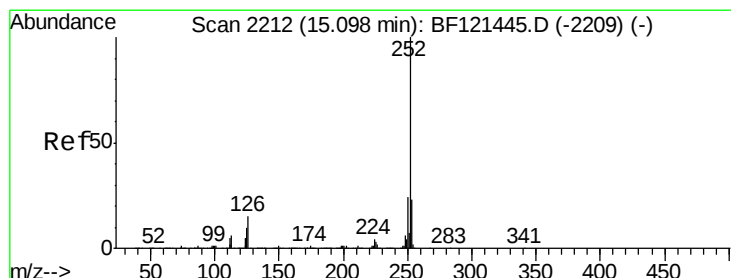
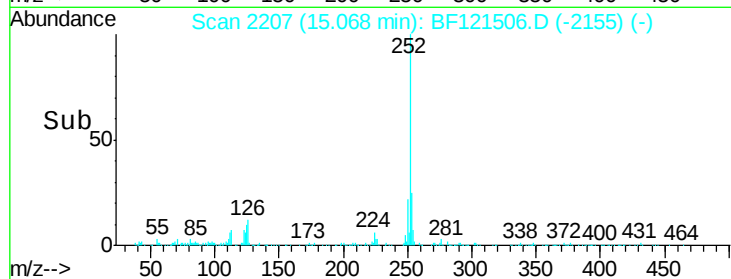
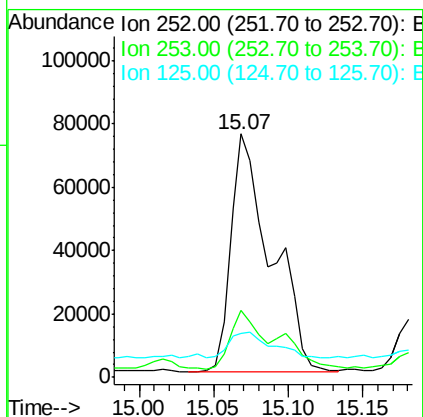
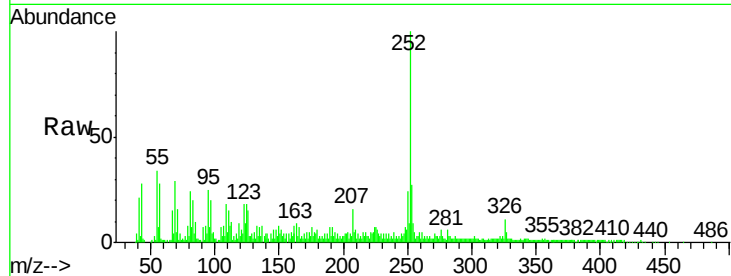




#88
Benzo(b)fluoranthene
Concen: 2.961 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-03-C

Tot Ion:252 Resp: 141131
Ion Ratio Lower Upper
252 100
253 27.5 18.3 27.5
125 18.3 9.2 13.8#



#89
Benzo(k)fluoranthene
Concen: 3.184 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BF121506.D
Acq: 1 Sep 2020 20:10

Tgt Ion:252 Resp: 141131
Ion Ratio Lower Upper
252 100
253 27.5 18.3 27.5
125 18.3 8.5 12.7#

