

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
 Data File : BF121490.D
 Acq On : 31 Aug 2020 21:35
 Operator : JU/CG
 Sample : L3847-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-08-A

Quant Time: Sep 01 00:33:58 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	306525	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1065729	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	491821	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	781405	20.00	ng	0.00
76) Chrysene-d12	14.03	240	623084	20.00	ng	0.00
86) Perylene-d12	15.51	264	591902	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	613186	33.56	ng	0.00
7) Phenol-d6	6.48	99	777125	30.44	ng	-0.01
23) Nitrobenzene-d5	7.42	82	475219	30.48	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	155071	31.22	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	923022	30.28	ng	0.00
79) Terphenyl-d14	12.97	244	693708	23.44	ng	0.00

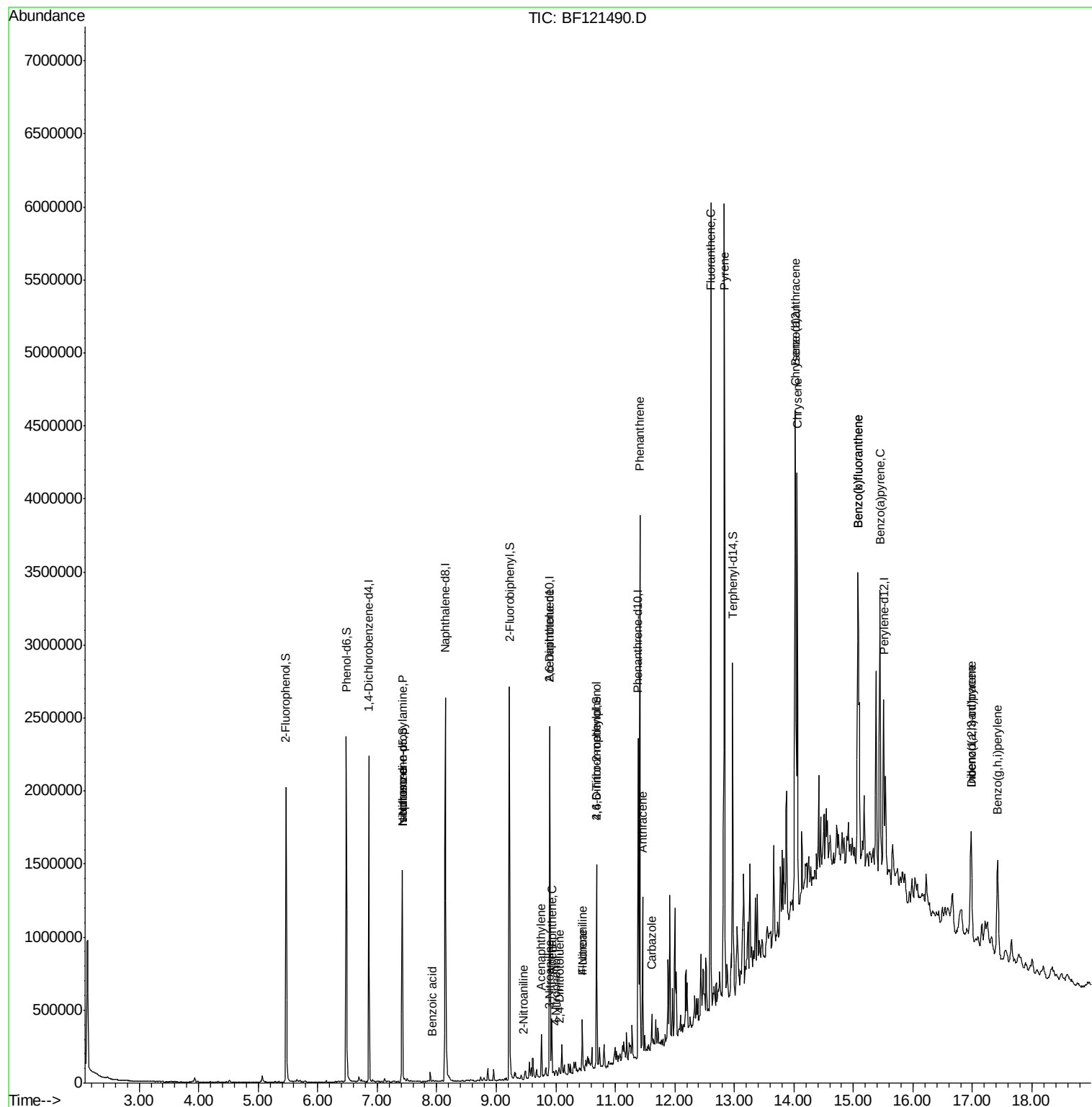
Target Compounds				Qvalue		
9) Benzaldehyde	6.42	77	1010	Below Cal	#	82
19) n-Nitroso-di-n-propylamine	7.42	70	63042	4.418 ng	#	77
25) Isophorone	7.42	82	468552	13.363 ng	#	64
32) Benzoic acid	7.92	122	579	6.742 ng	#	20
48) 2-Nitroaniline	9.45	65	125	6.660 ng	#	5
49) Acenaphthylene	9.76	152	125419	2.741 ng		98
51) 2,6-Dinitrotoluene	9.90	165	67273	15.623 ng	#	25
52) Acenaphthene	9.93	154	73411	2.541 ng		98
53) 3-Nitroaniline	9.88	138	230	5.477 ng	#	1
56) 4-Nitrophenol	10.00	139	1178	8.019 ng	#	2
57) 2,4-Dinitrotoluene	10.06	165	3258	7.630 ng	#	54
58) Fluorene	10.44	166	80979	2.560 ng		99
62) 4-Nitroaniline	10.45	138	4990	5.083 ng		90
65) 4,6-Dinitro-2-methylphenol	10.68	198	384	5.682 ng	#	1
71) Phenanthrene	11.41	178	1315089	32.795 ng		98
72) Anthracene	11.46	178	388538	9.851 ng		96
73) Carbazole	11.62	167	92044	2.420 ng		98
75) Fluoranthene	12.60	202	2212297	51.190 ng		99
78) Pyrene	12.83	202	2195173	49.330 ng		100
81) Benzo(a)anthracene	14.02	228	1141871	30.021 ng		96
83) Chrysene	14.06	228	1011110	26.571 ng		97
87) Indeno(1,2,3-cd)pyrene	16.98	276	528907	14.523 ng		94
88) Benzo(b)fluoranthene	15.07	252	1715569	44.557 ng		99
89) Benzo(k)fluoranthene	15.07	252	1715569	47.904 ng		98
90) Benzo(a)pyrene	15.44	252	956884	27.638 ng		98
91) Dibenzo(a,h)anthracene	16.99	278	132741	4.453 ng	#	89
92) Benzo(g,h,i)perylene	17.43	276	564560	19.659 ng		98

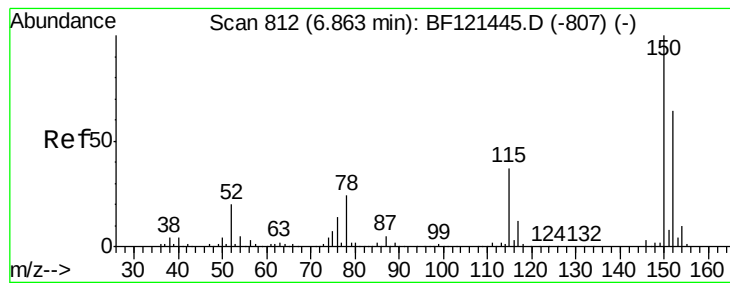
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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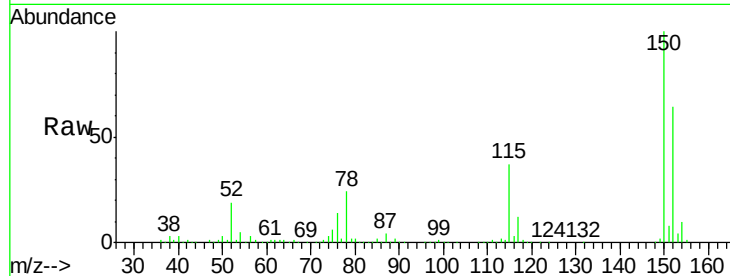


#1

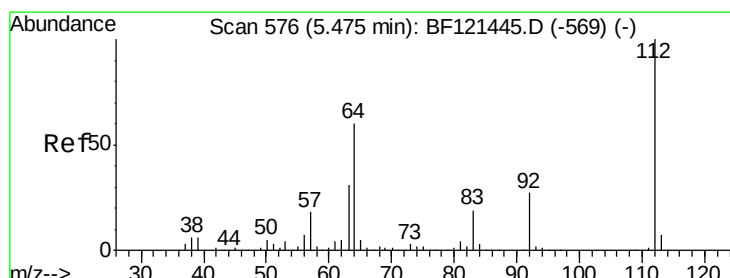
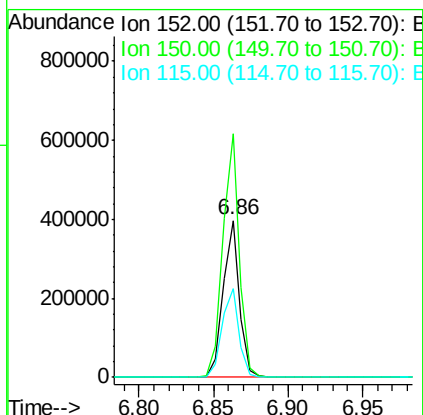
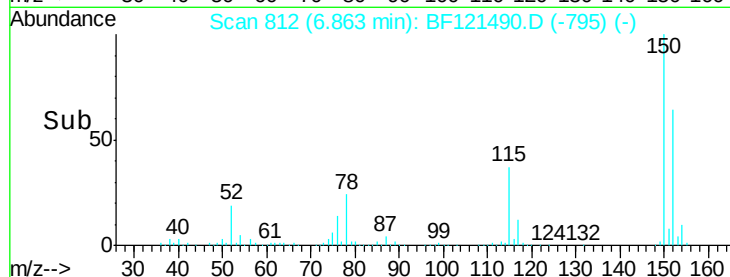
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-A

Tot Ion:152 Resp: 306525
Ion Ratio Lower Upper
152 100
150 155.1 125.8 188.6
115 56.6 46.6 69.8



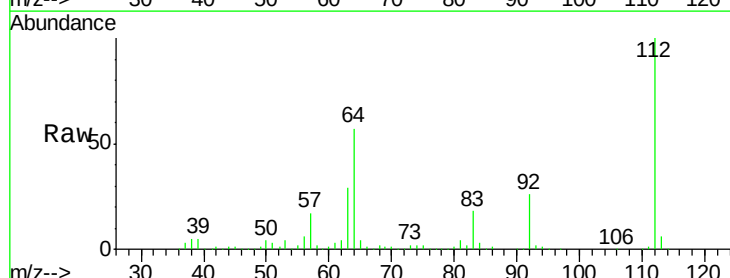
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



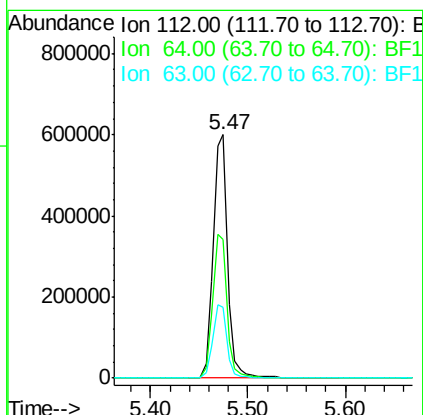
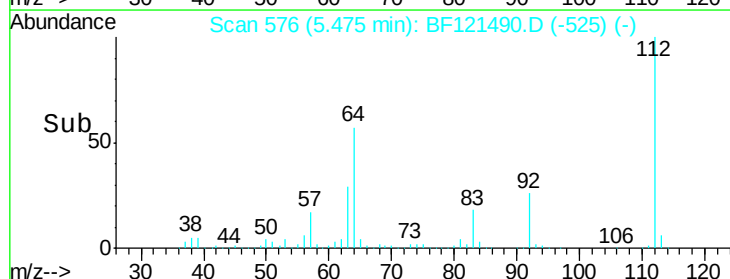
#5

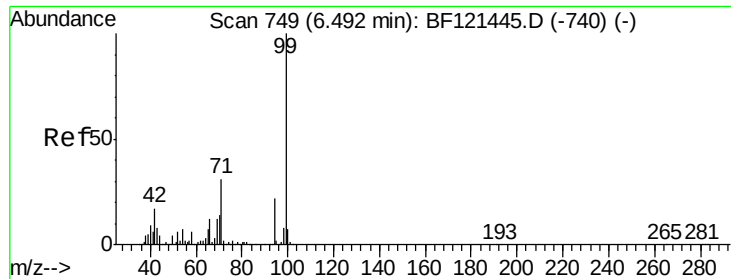
2-Fluorophenol
Concen: 33.562 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Tgt Ion:112 Resp: 613186
Ion Ratio Lower Upper
112 100
64 56.9 48.2 72.2
63 29.0 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: 30.437 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-A

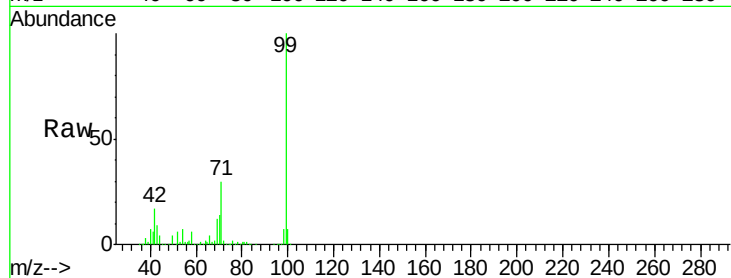
Tot Ion: 99 Resp: 777125

Ion Ratio Lower Upper

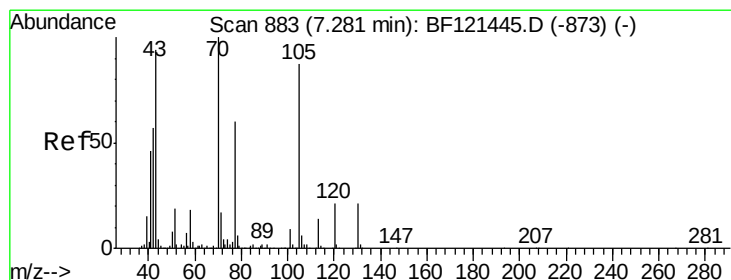
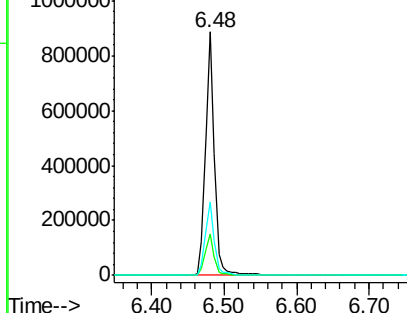
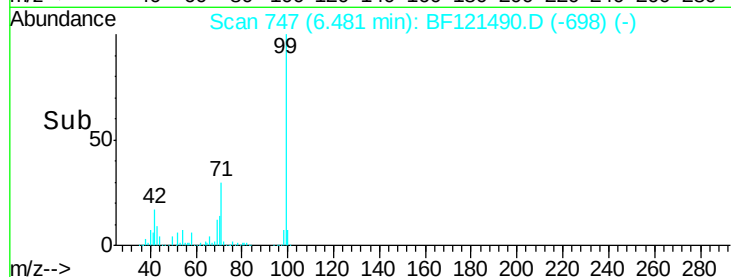
99 100

42 17.1 13.5 20.3

71 30.3 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: 4.418 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Tgt Ion: 70 Resp: 63042

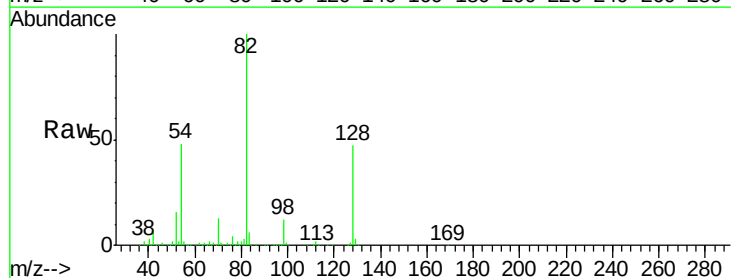
Ion Ratio Lower Upper

70 100

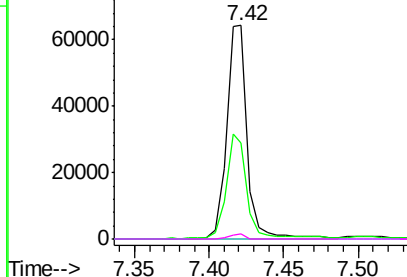
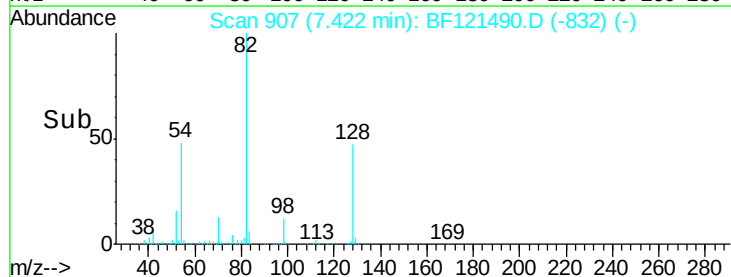
42 45.0 45.8 68.6#

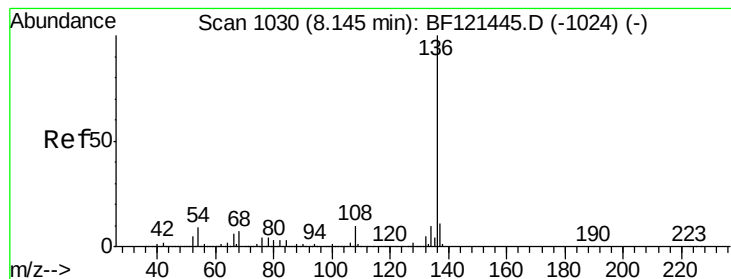
101 0.0 7.5 11.3#

130 2.4 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: 8.15 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-A

Tot Ion:136 Resp: 1065729

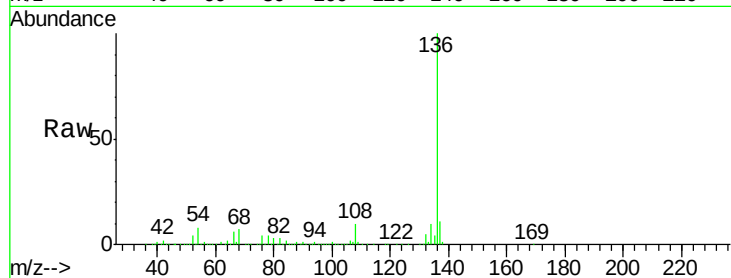
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.4 7.0 10.4

68 6.7 5.5 8.3

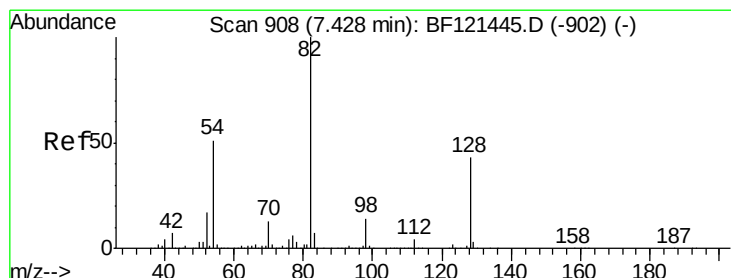
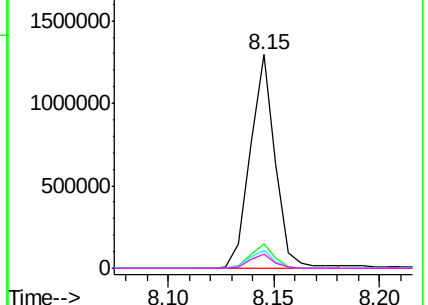
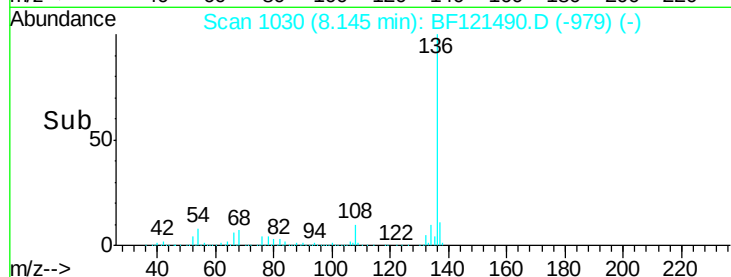


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.485 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

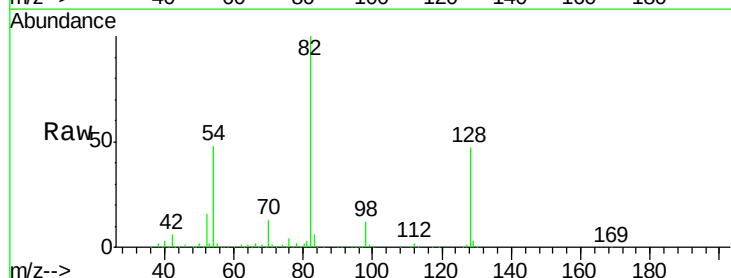
Tgt Ion: 82 Resp: 475219

Ion Ratio Lower Upper

82 100

128 46.7 34.1 51.1

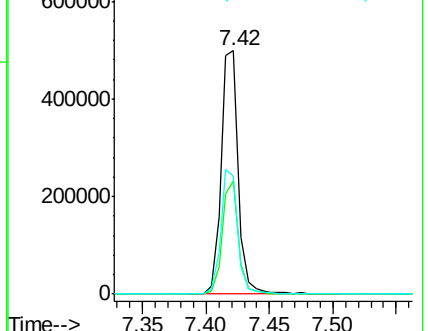
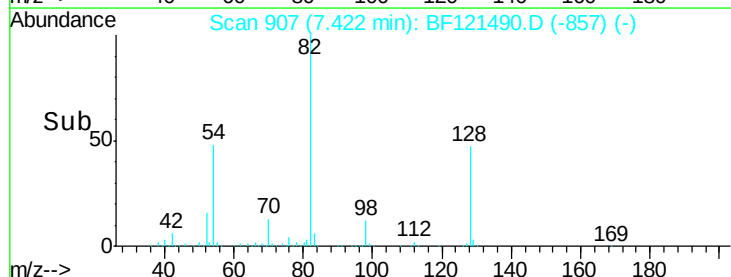
54 48.3 41.0 61.6

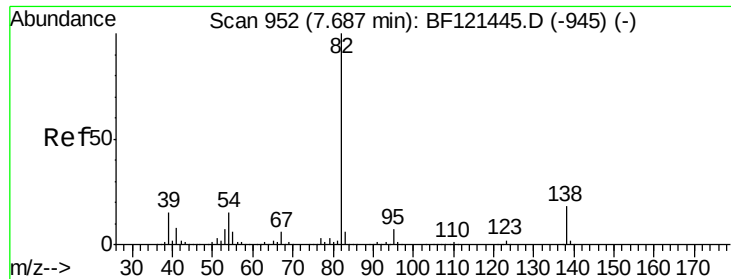


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 13.363 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

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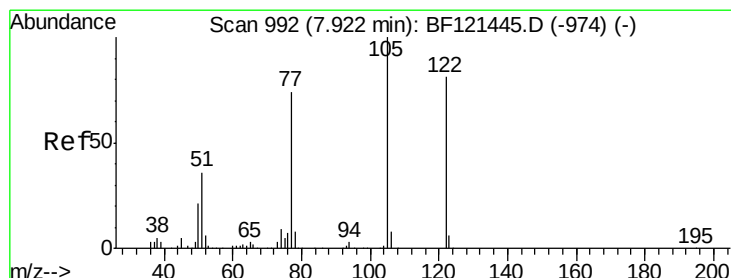
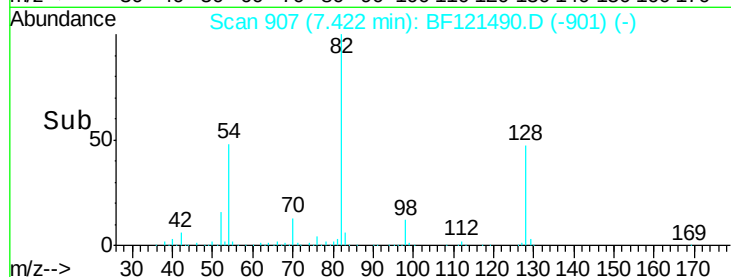
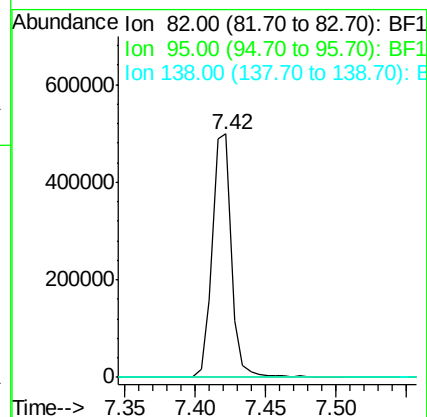
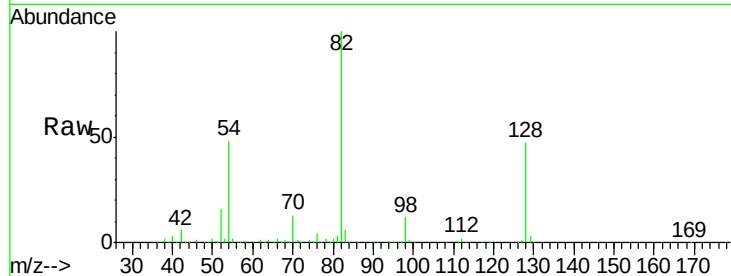
Tot Ion: 82 Resp: 468552

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.8 22.2#



#32

Benzoic acid

Concen: 6.742 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.00 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

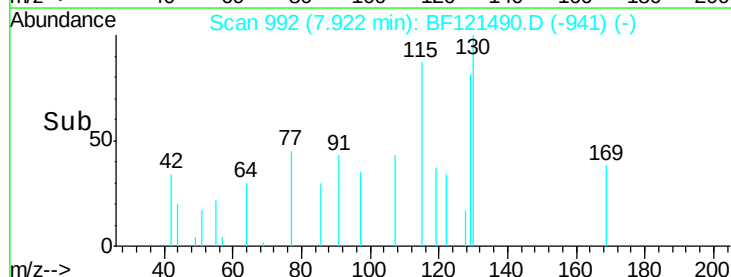
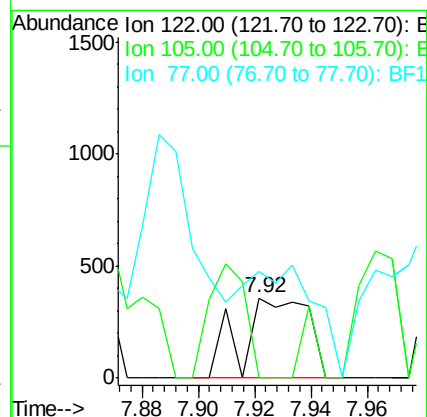
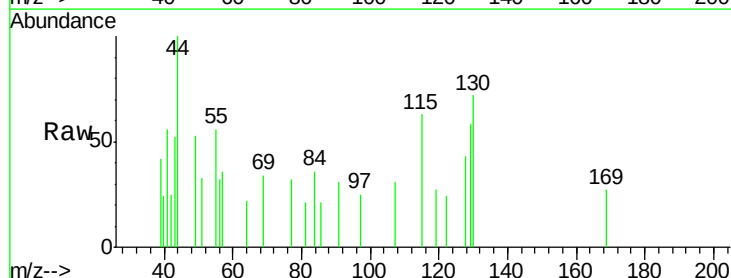
Tgt Ion: 122 Resp: 579

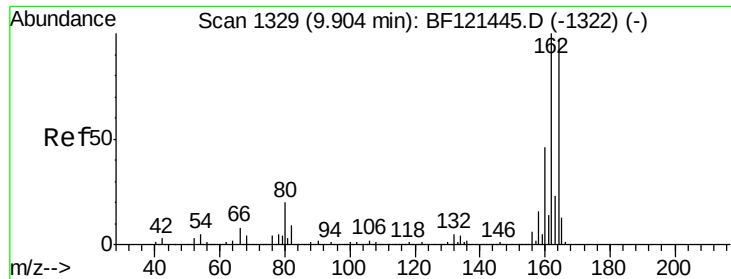
Ion Ratio Lower Upper

122 100

105 0.0 100.8 140.8#

77 133.1 71.5 111.5#

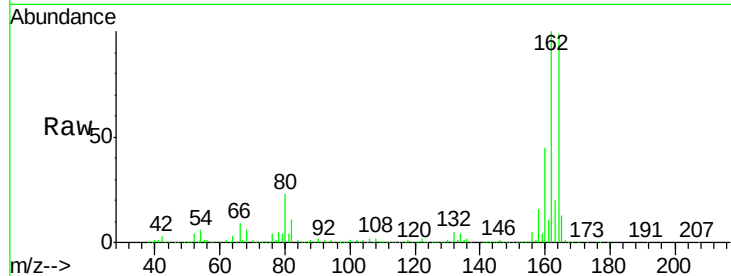




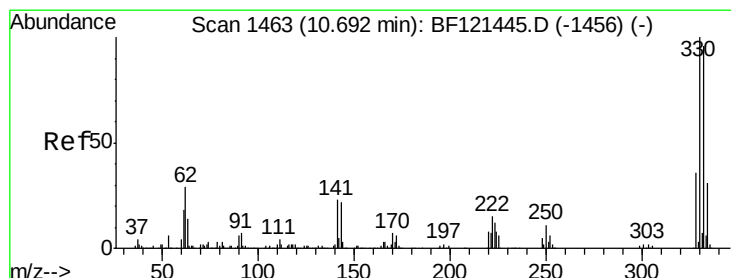
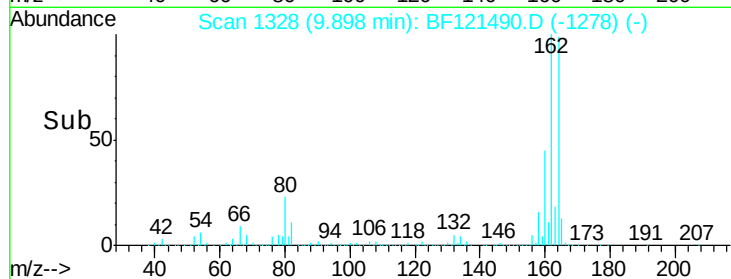
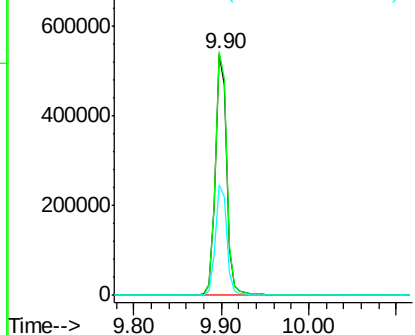
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-08-A

Tot Ion:164 Resp: 491821
 Ion Ratio Lower Upper
 164 100
 162 100.7 82.4 123.6
 160 45.5 37.6 56.4

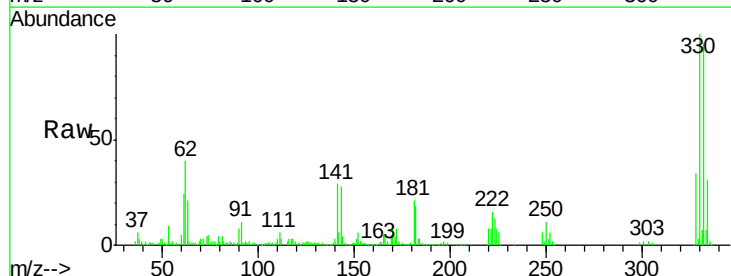


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

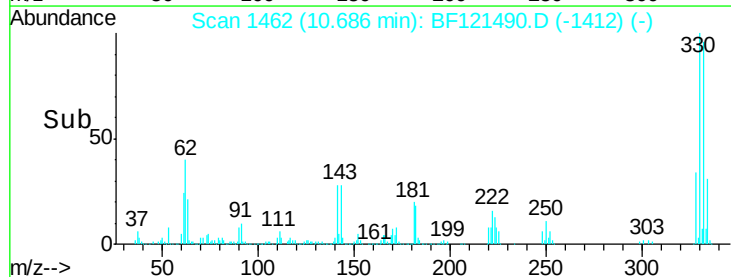
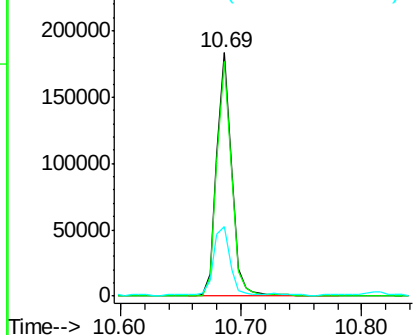


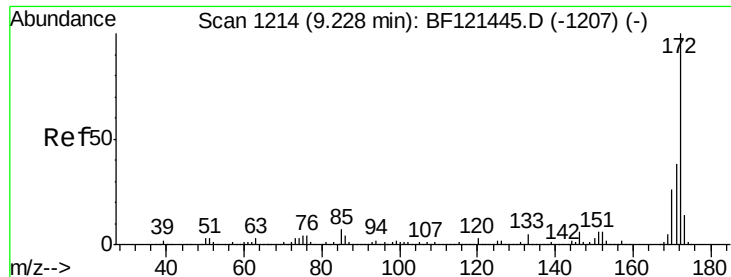
#42
 2,4,6-Tribromophenol
 Concen: 31.216 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

Tgt Ion:330 Resp: 155071
 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

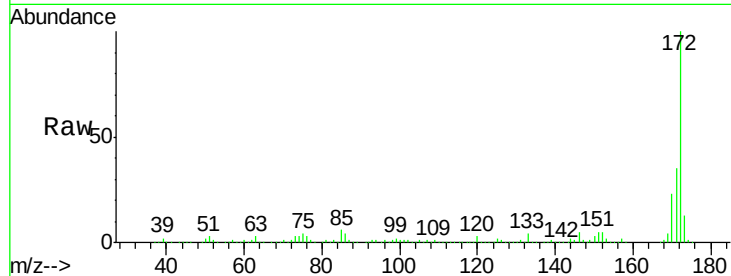




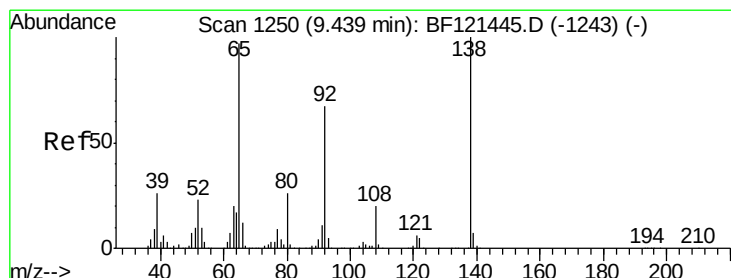
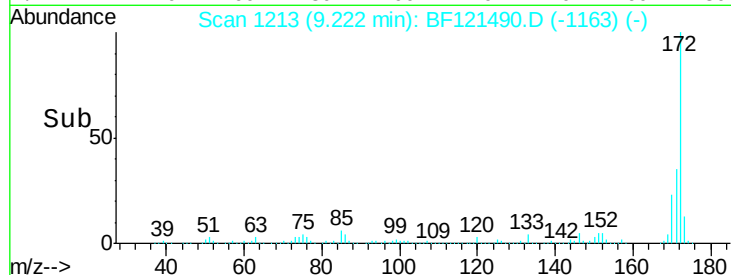
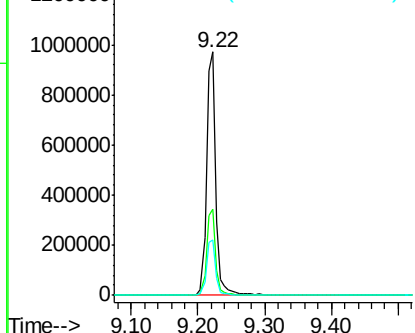
#45
2-Fluorobiphenyl
Concen: 30.282 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Instrument :
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LINDEN-JOP-BH-08-A

Tot Ion:172 Resp: 923022
Ion Ratio Lower Upper
172 100
171 35.2 30.6 45.8
170 23.0 20.6 31.0

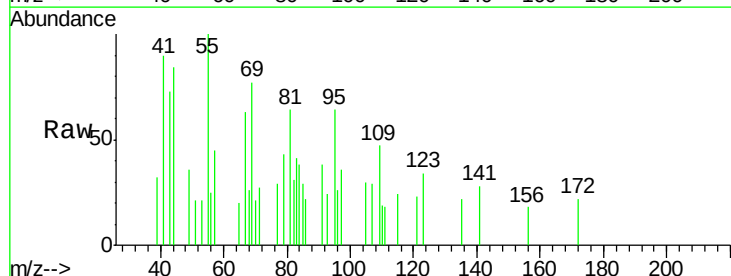


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

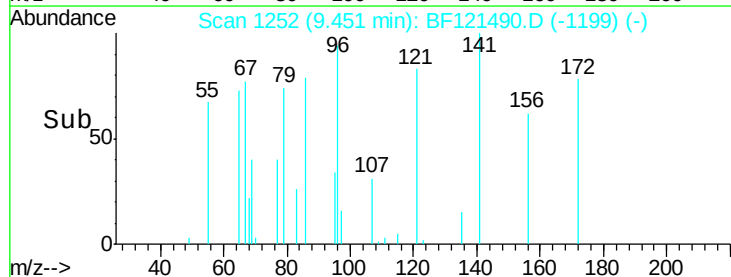
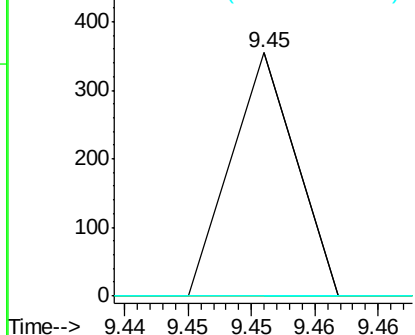


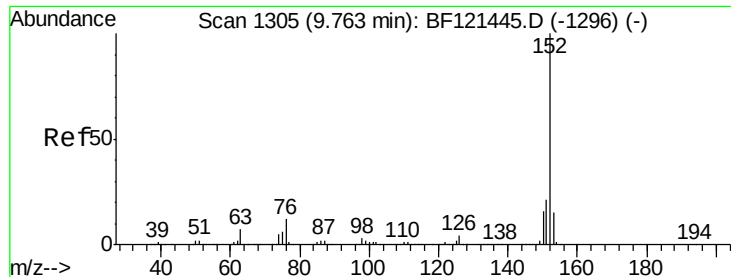
#48
2-Nitroaniline
Concen: 6.660 ng
RT: 9.45 min Scan# 1252
Delta R.T. 0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Tgt Ion: 65 Resp: 125
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





#49

Acenaphthylene

Concen: 2.741 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-A

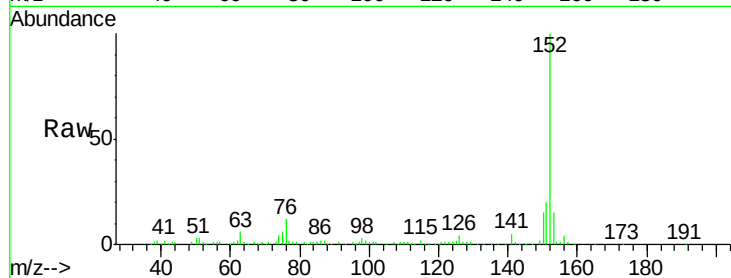
Tot Ion:152 Resp: 125419

Ion Ratio Lower Upper

152 100

151 20.0 17.2 25.8

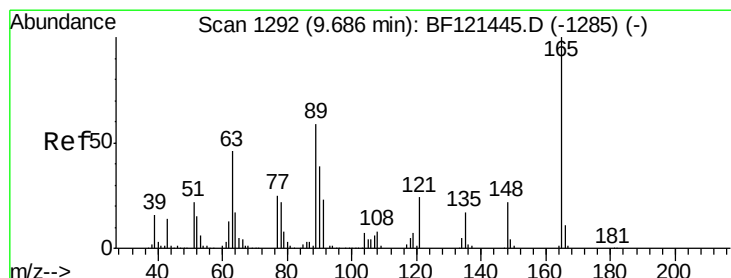
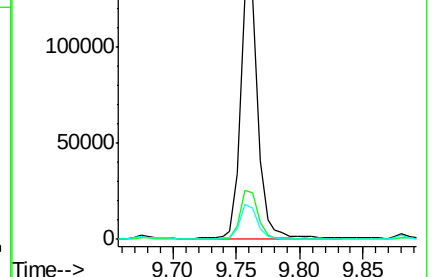
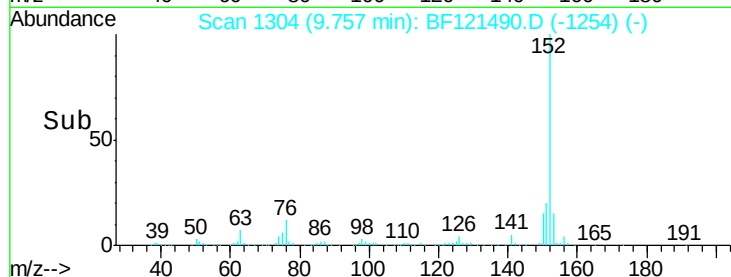
153 14.6 11.6 17.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

2,6-Dinitrotoluene

Concen: 15.623 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

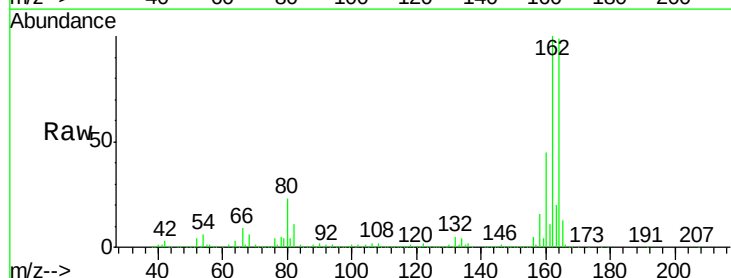
Tgt Ion:165 Resp: 67273

Ion Ratio Lower Upper

165 100

63 1.4 43.6 65.4#

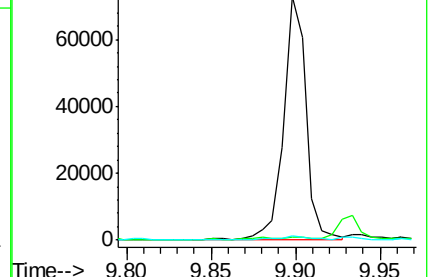
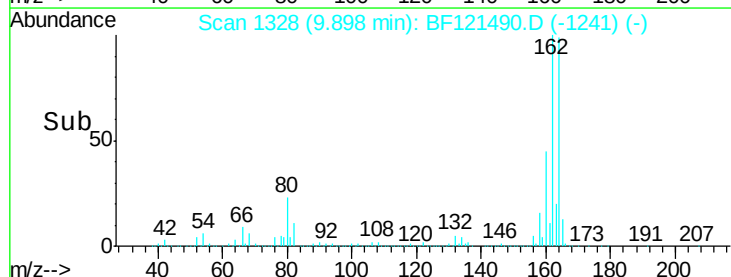
89 1.6 47.4 71.2#

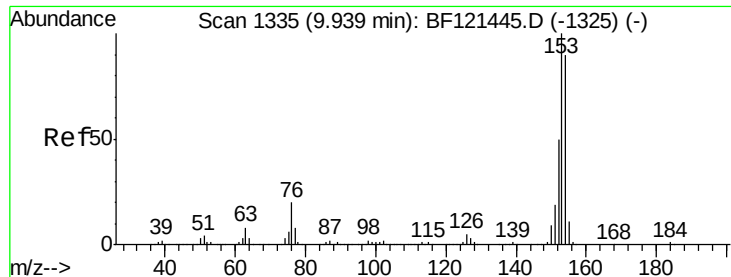


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 2.541 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-A

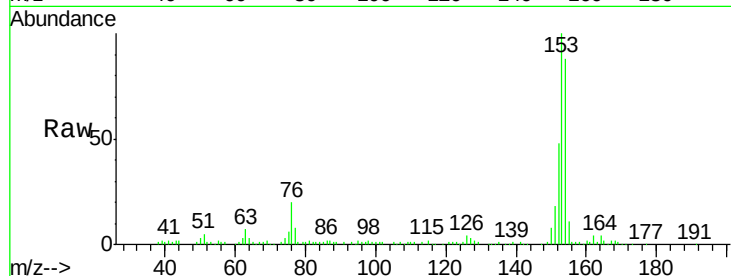
Tot Ion:154 Resp: 73411

Ion Ratio Lower Upper

154 100

153 114.2 88.9 133.3

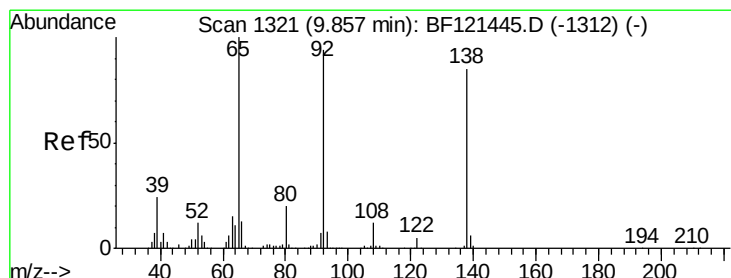
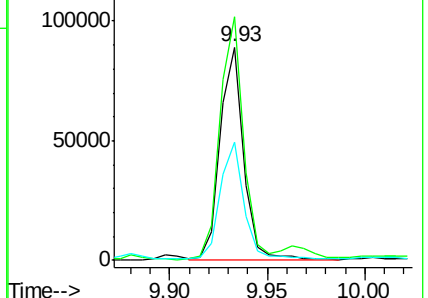
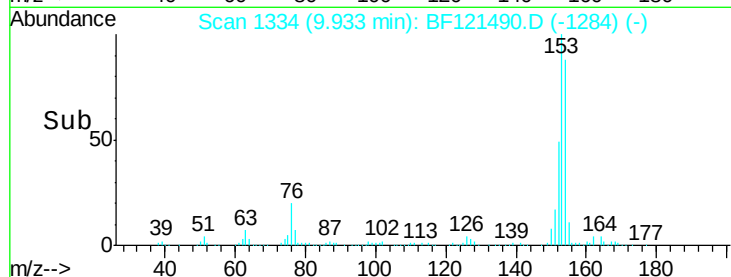
152 55.3 44.1 66.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 5.477 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.02 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

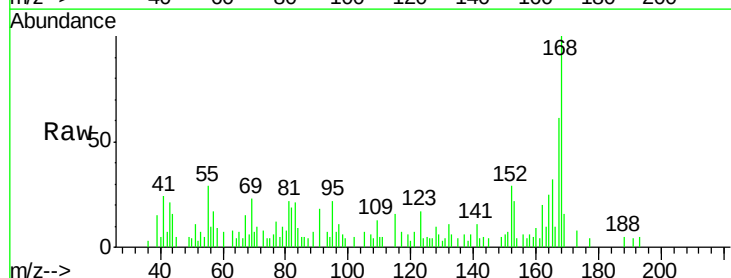
Tgt Ion:138 Resp: 230

Ion Ratio Lower Upper

138 100

108 128.7 11.6 17.4#

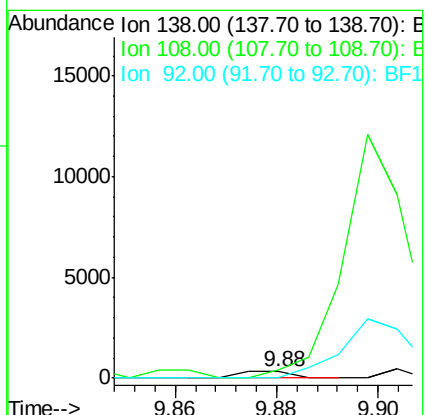
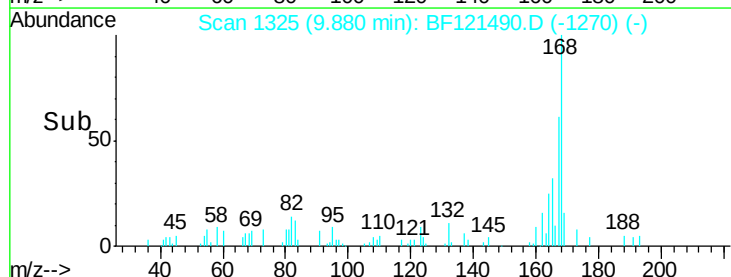
92 0.0 88.6 132.8#

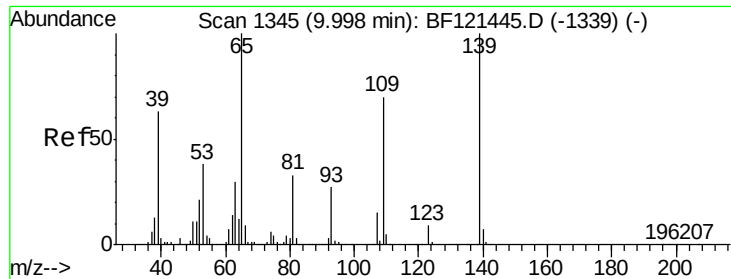


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

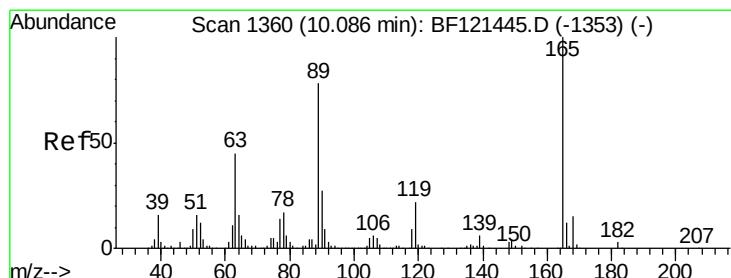
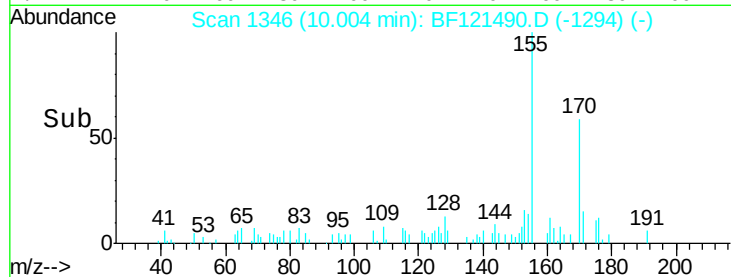
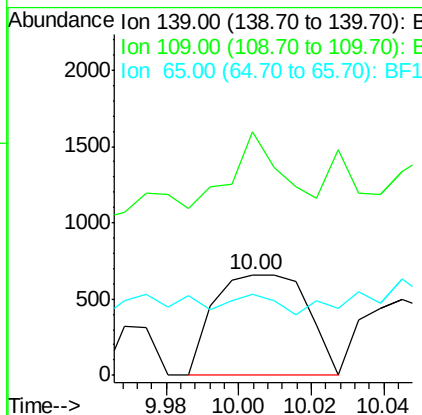
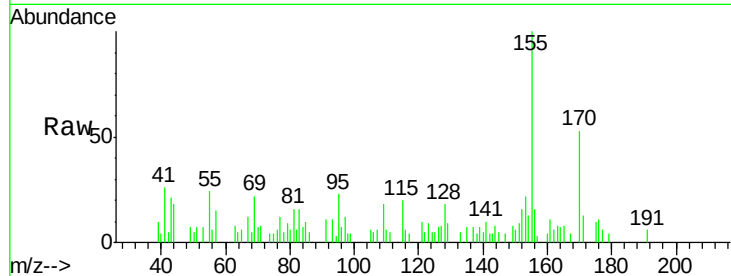




#56
4-Nitrophenol
Concen: 8.019 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

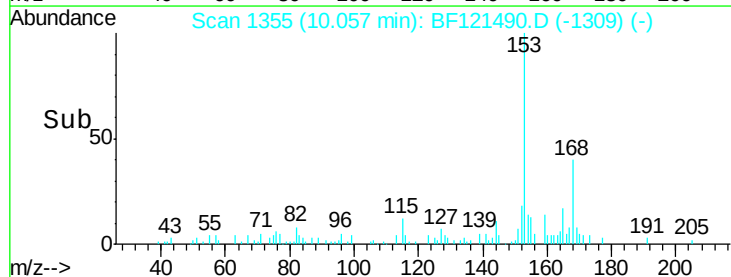
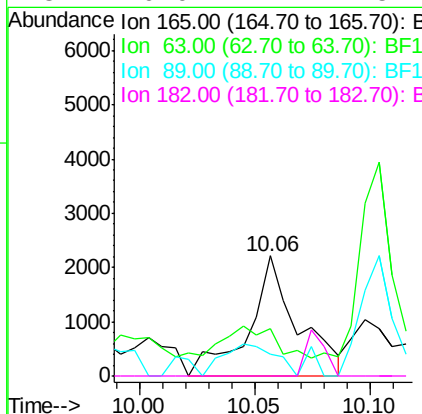
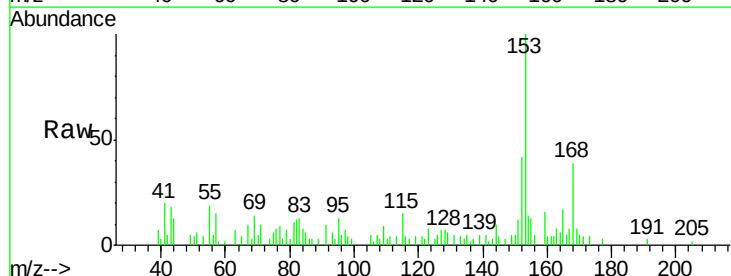
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-A

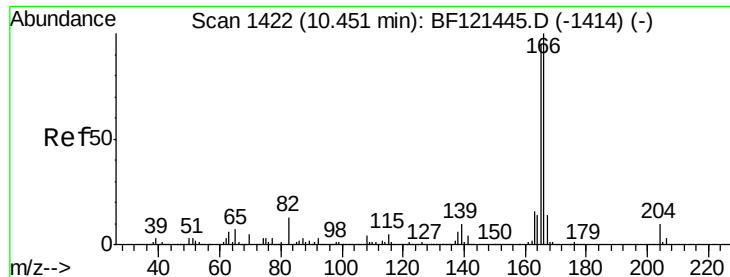
Tot Ion:139 Resp: 1178
Ion Ratio Lower Upper
139 100
109 241.5 50.5 90.5#
65 79.9 80.2 120.2#



#57
2,4-Dinitrotoluene
Concen: 7.630 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.03 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Tgt Ion:165 Resp: 3258
Ion Ratio Lower Upper
165 100
63 39.8 36.0 54.0
89 18.2 62.6 93.8#
182 0.0 2.2 3.2#

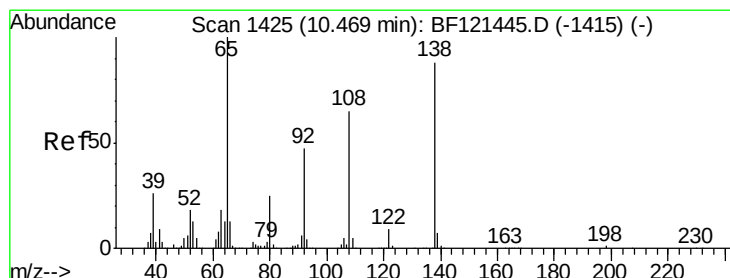
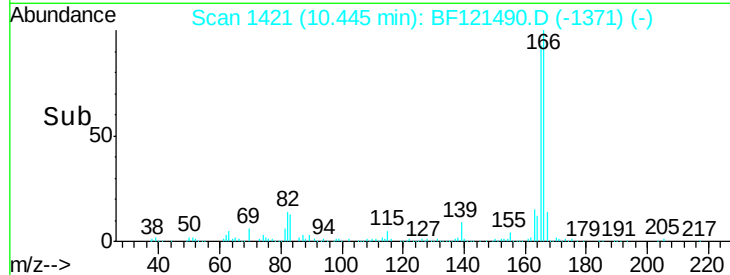
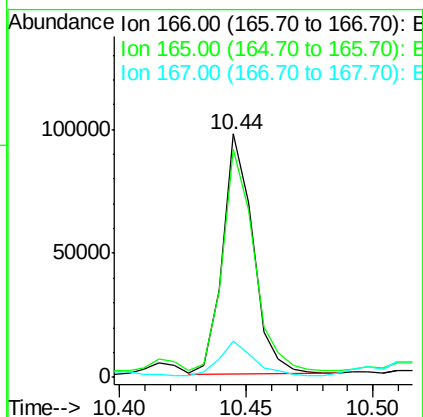
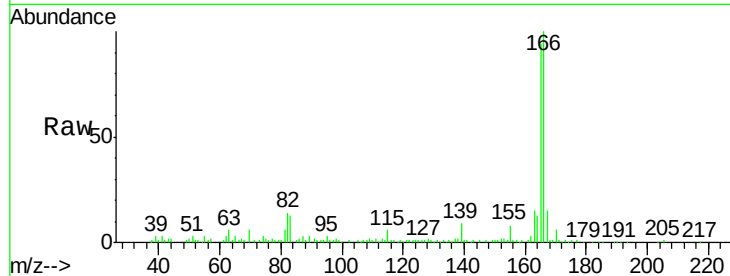




#58
 Fluorene
 Concen: 2.560 ng
 RT: 10.44 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

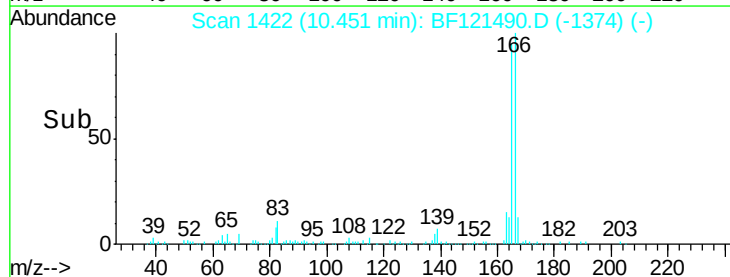
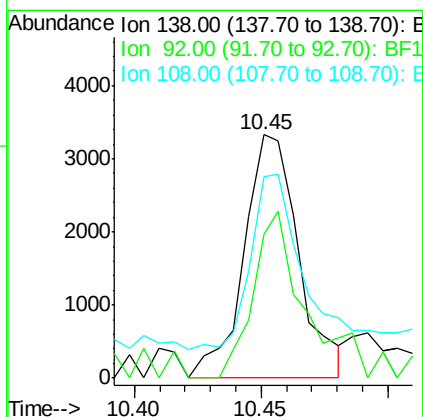
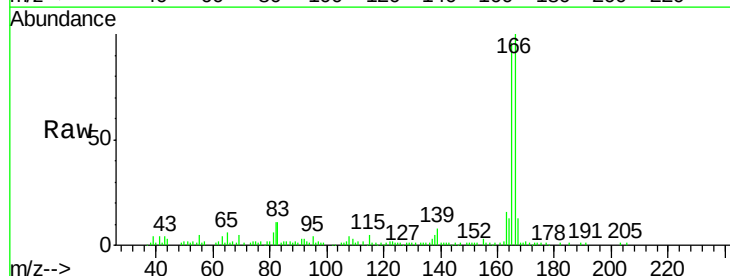
Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-08-A

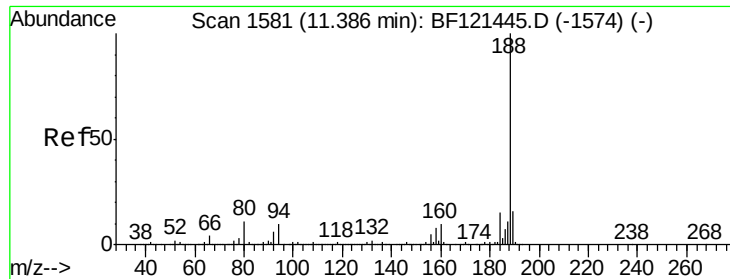
Tot Ion:166 Resp: 80979
 Ion Ratio Lower Upper
 166 100
 165 93.9 75.7 113.5
 167 14.7 11.1 16.7



#62
 4-Nitroaniline
 Concen: 5.083 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

Tgt Ion:138 Resp: 4990
 Ion Ratio Lower Upper
 138 100
 92 59.0 33.2 73.2
 108 82.9 53.6 93.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-A

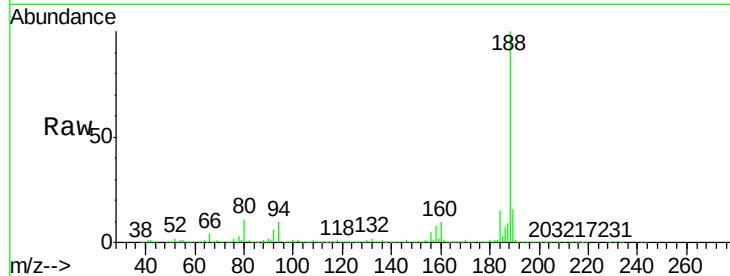
Tot Ion:188 Resp: 781405

Ion Ratio Lower Upper

188 100

94 10.2 8.3 12.5

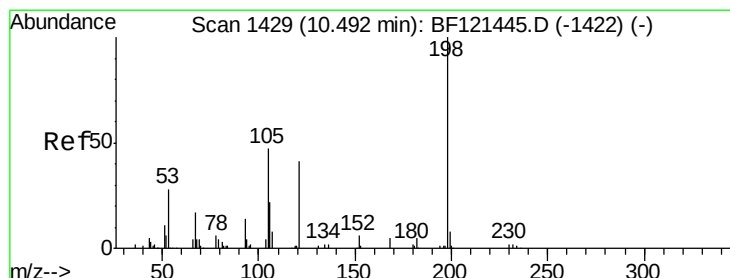
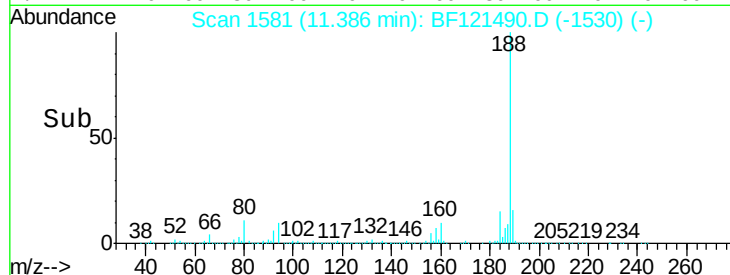
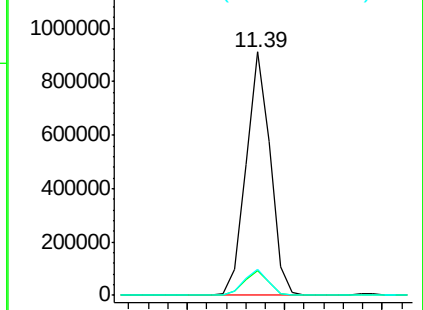
80 10.8 8.6 13.0



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: 5.682 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.19 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

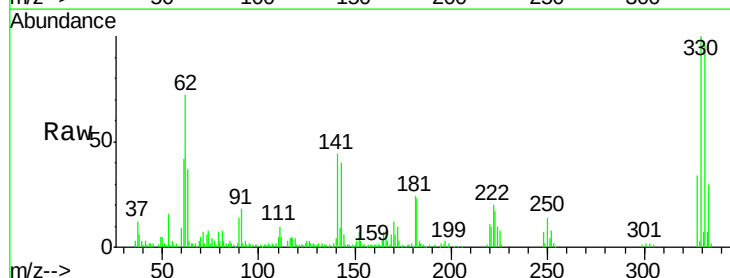
Tgt Ion:198 Resp: 384

Ion Ratio Lower Upper

198 100

51 593.3 29.0 69.0#

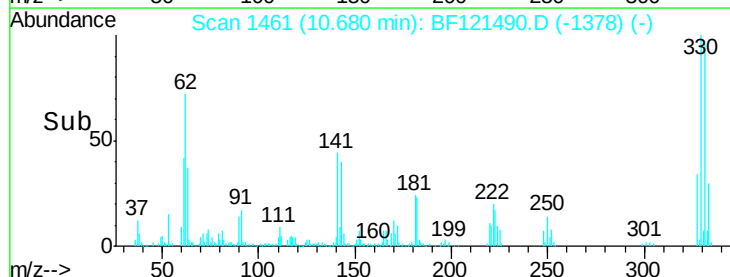
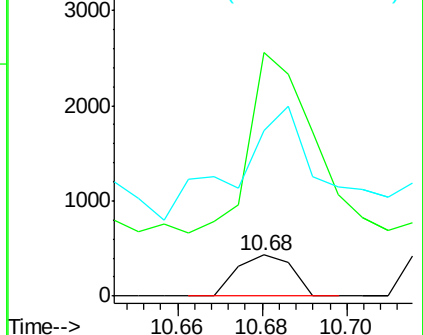
105 403.0 29.1 69.1#

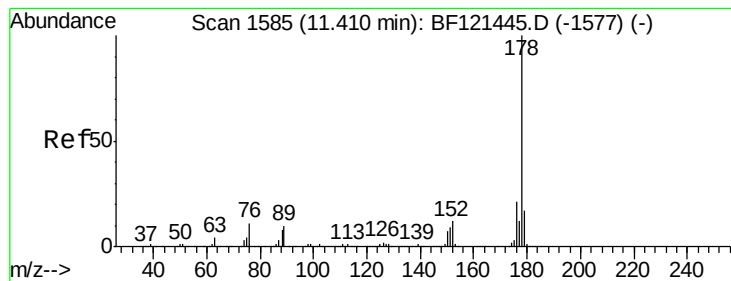


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 32.795 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-A

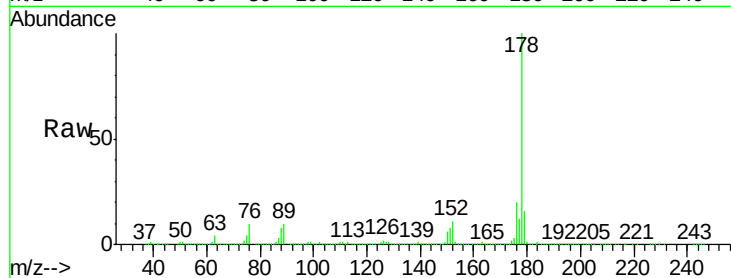
Tot Ion:178 Resp: 1315089

Ion Ratio Lower Upper

178 100

176 20.2 16.9 25.3

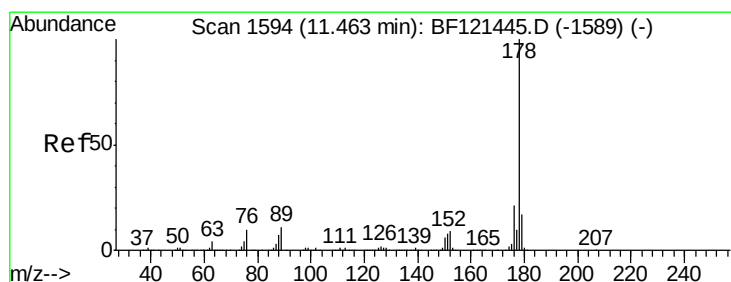
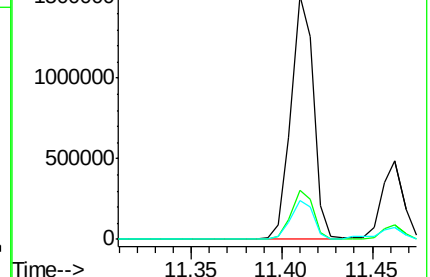
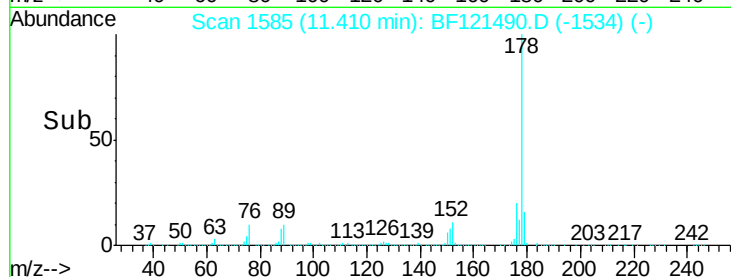
179 16.2 13.4 20.0



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



#72

Anthracene

Concen: 9.851 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

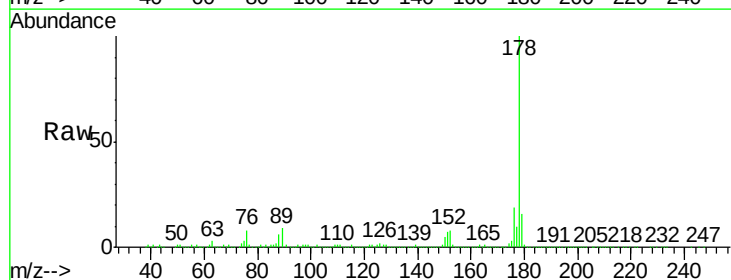
Tgt Ion:178 Resp: 388538

Ion Ratio Lower Upper

178 100

176 18.6 16.7 25.1

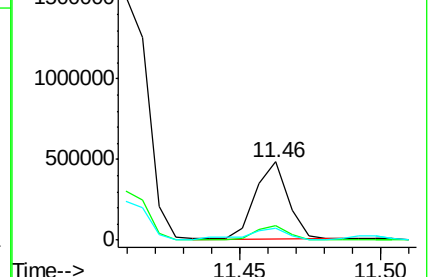
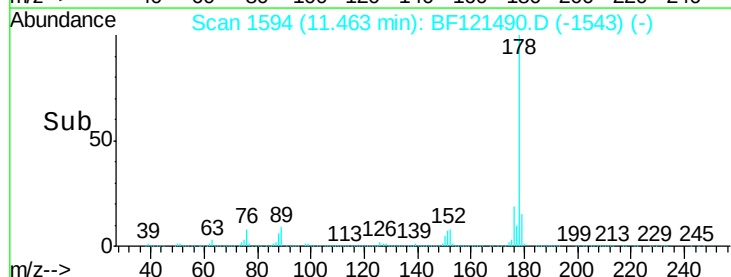
179 15.7 13.4 20.2

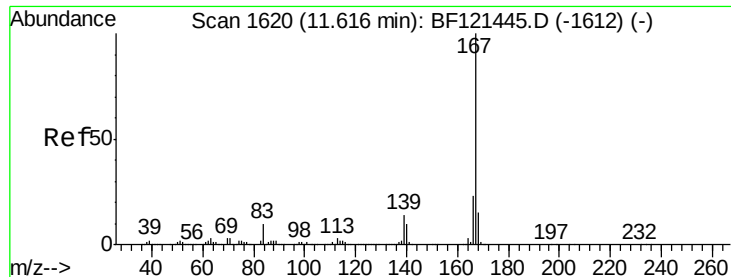


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 2.420 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.00 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-A

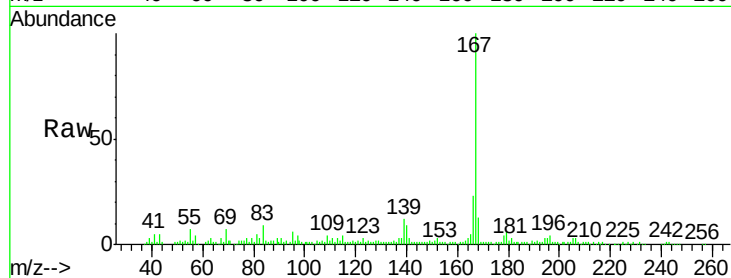
Tot Ion:167 Resp: 92044

Ion Ratio Lower Upper

167 100

166 22.6 18.4 27.6

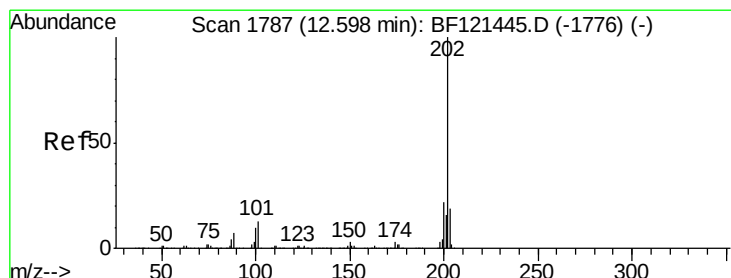
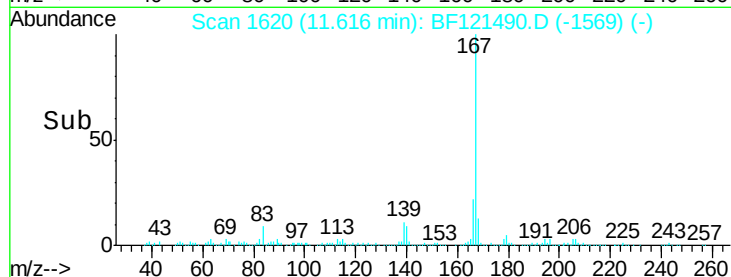
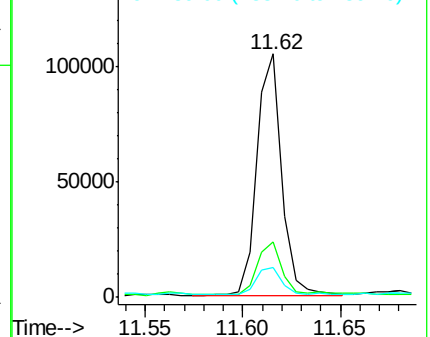
139 12.3 11.0 16.6



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 51.190 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

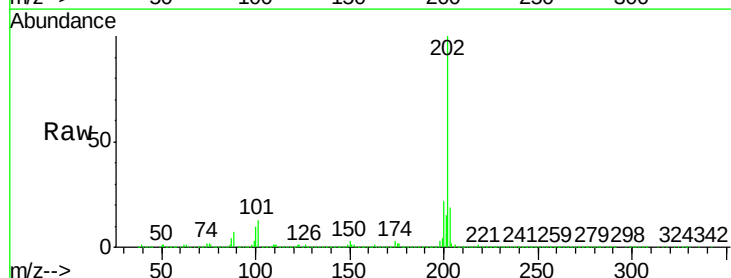
Tgt Ion:202 Resp: 2212297

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.3

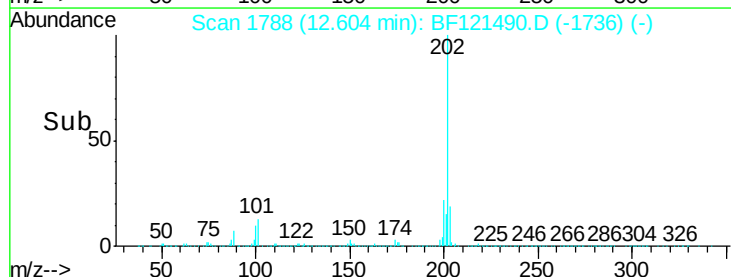
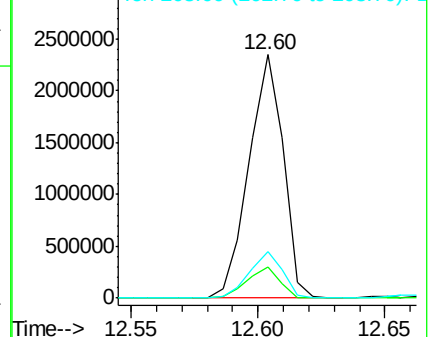
203 19.2 0.0 39.1

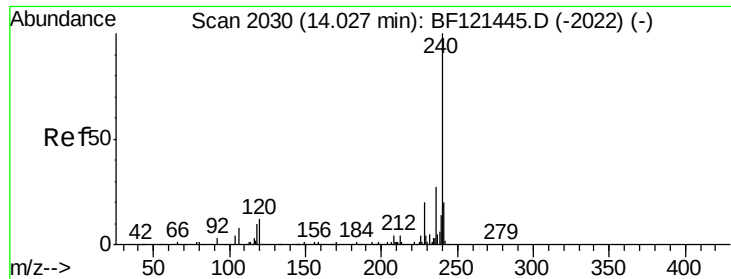


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

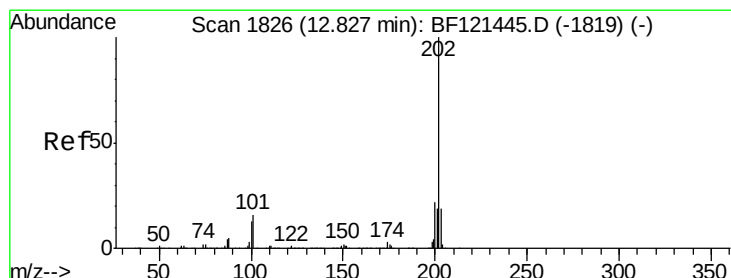
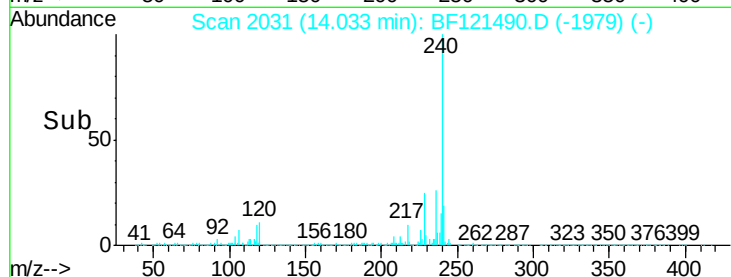
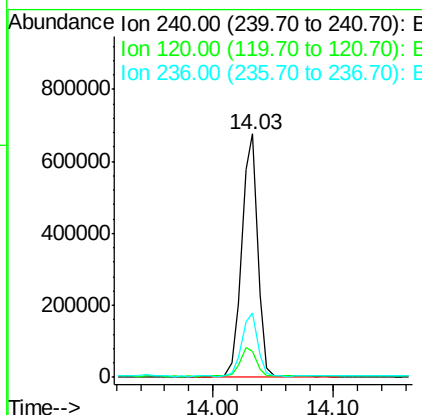
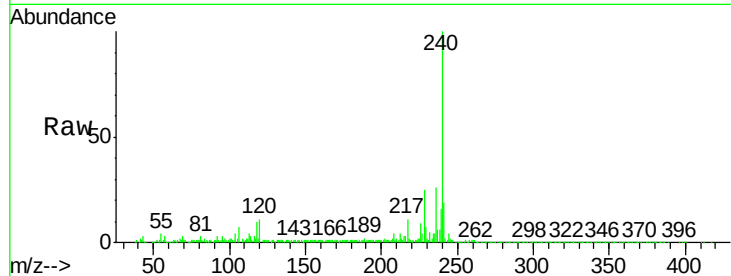




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

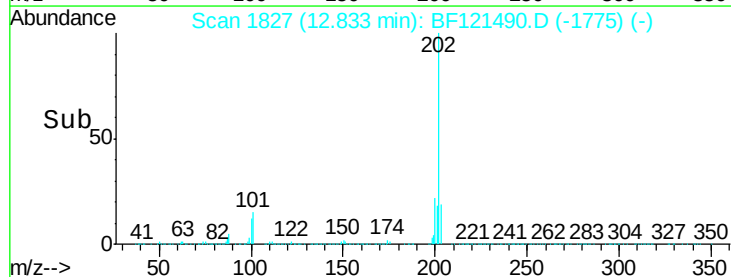
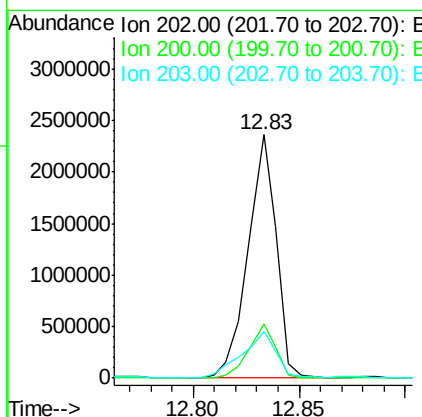
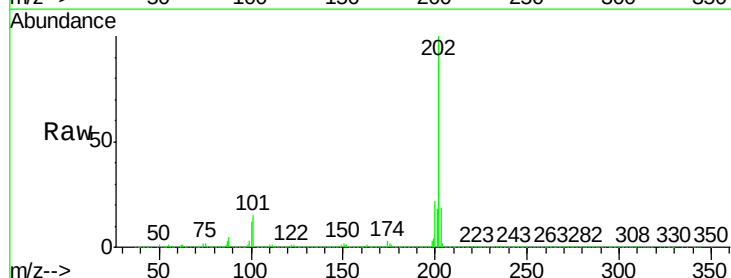
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-A

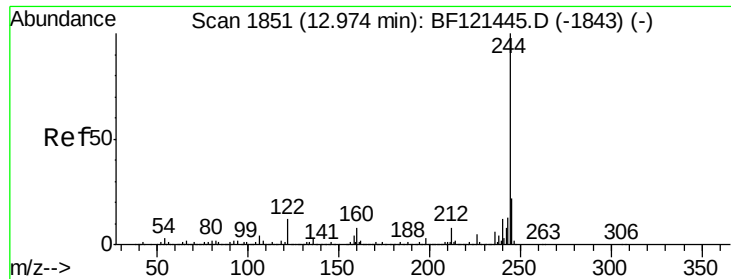
Tot Ion:240 Resp: 623084
Ion Ratio Lower Upper
240 100
120 10.9 9.5 14.3
236 26.3 21.8 32.6



#78
Pyrene
Concen: 49.330 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Tgt Ion:202 Resp: 2195173
Ion Ratio Lower Upper
202 100
200 22.3 18.0 27.0
203 19.1 15.3 22.9

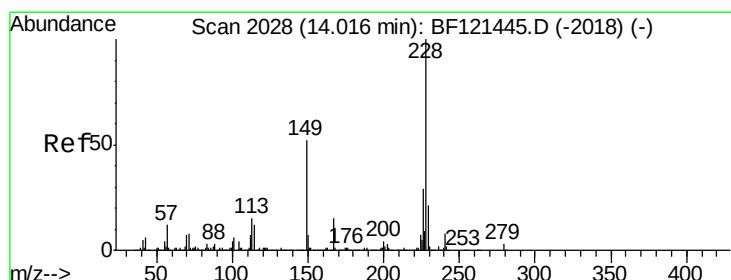
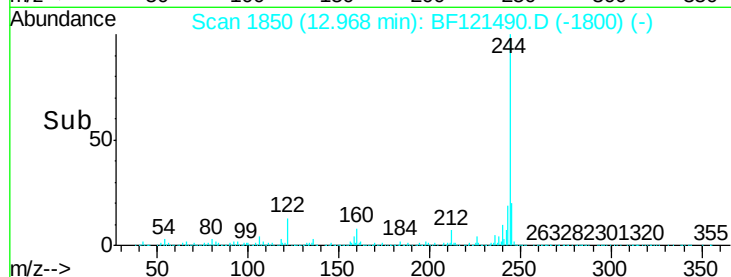
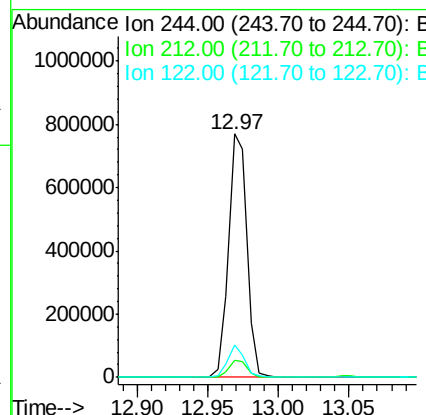
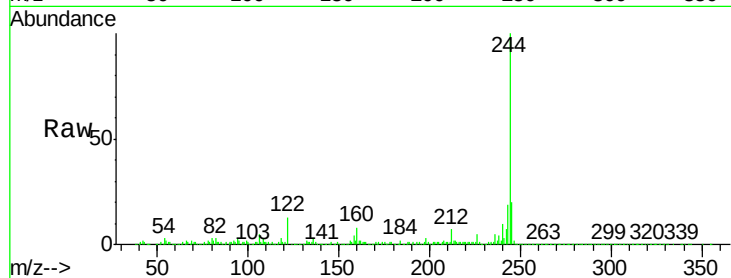




#79
 Terphenyl-d14
 Concen: 23.435 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

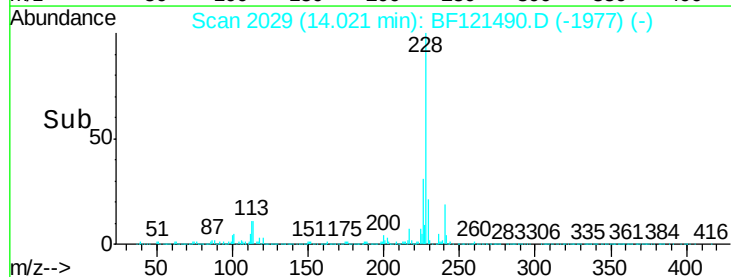
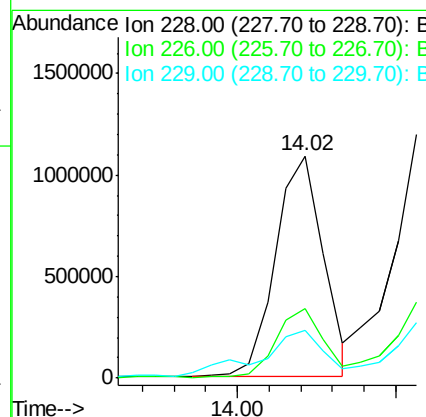
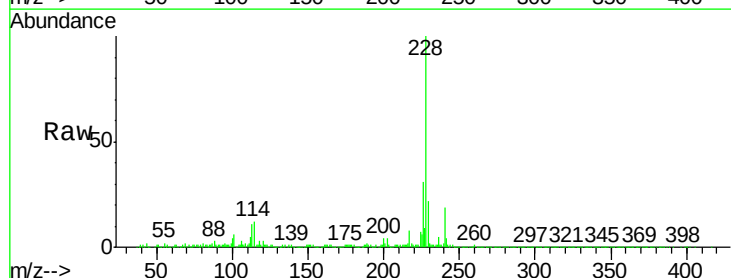
Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-08-A

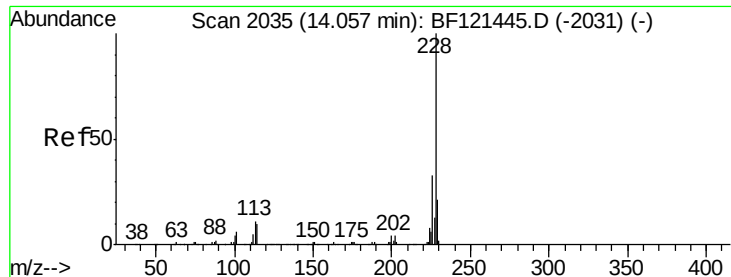
Tot Ion:244 Resp: 693708
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.3 9.5
 122 13.4 9.5 14.3



#81
 Benzo(a)anthracene
 Concen: 30.021 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BF121490.D
 Acq: 31 Aug 2020 21:35

Tgt Ion:228 Resp: 1141871
 Ion Ratio Lower Upper
 228 100
 226 31.3 23.0 34.4
 229 21.5 16.6 24.8





#83

Chrysene

Concen: 26.571 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-A

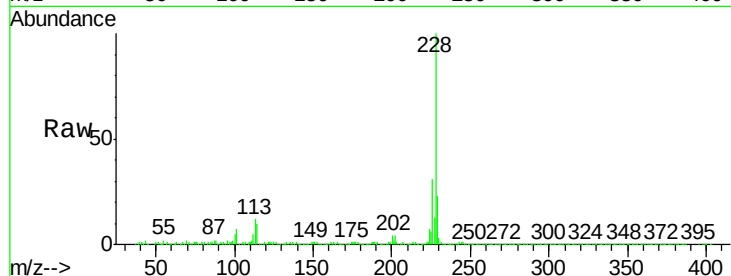
Tot Ion:228 Resp: 1011110

Ion Ratio Lower Upper

228 100

226 31.2 26.2 39.2

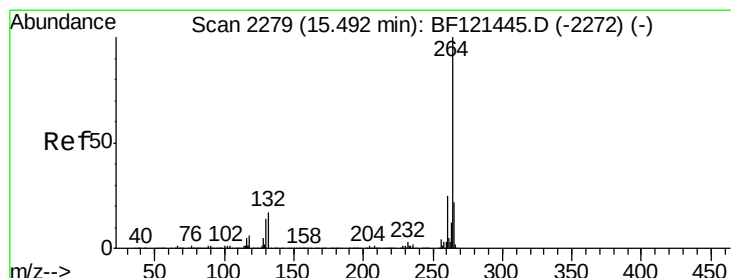
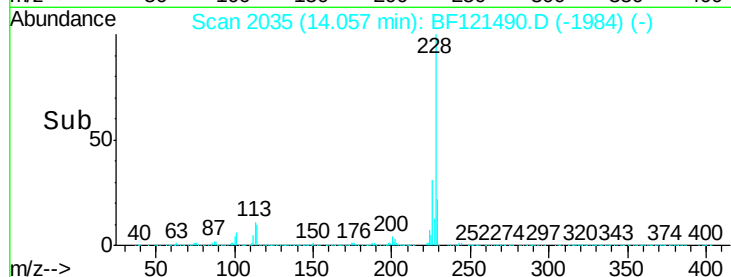
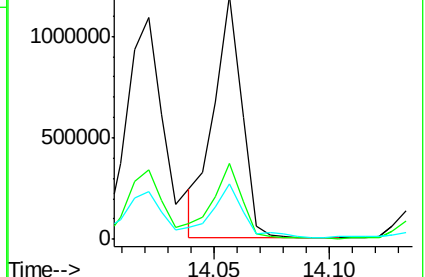
229 22.8 16.6 25.0



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: 15.51 min Scan# 2282

Delta R.T. 0.02 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

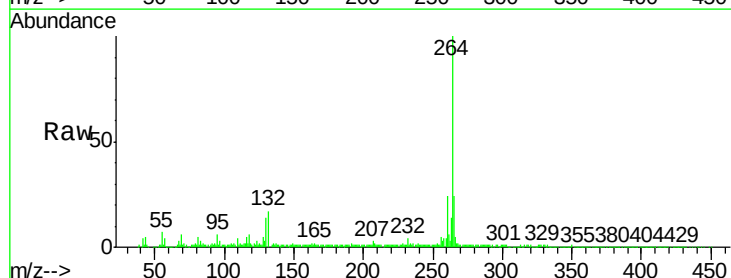
Tgt Ion:264 Resp: 591902

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

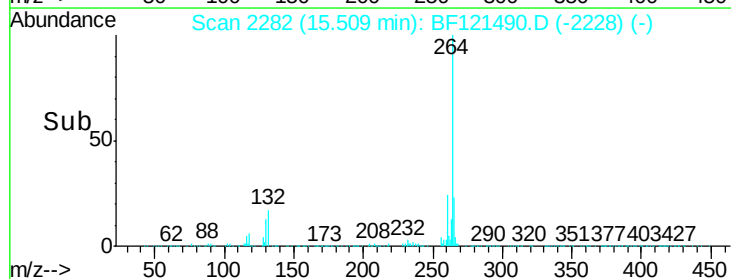
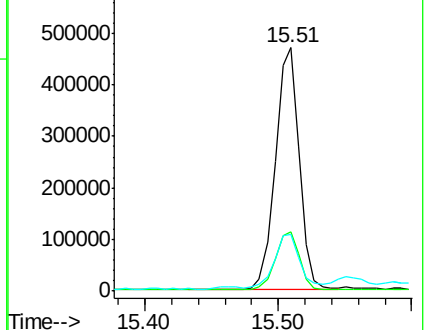
265 23.5 17.8 26.6

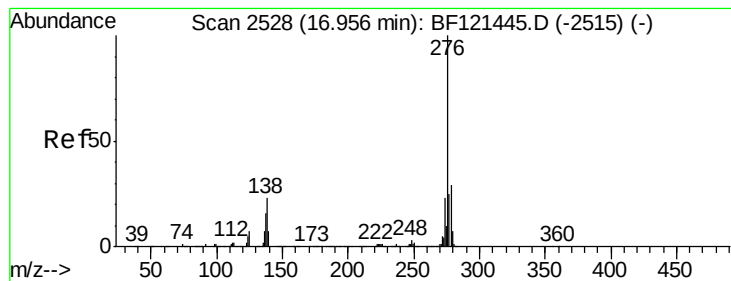


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.523 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.02 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-A

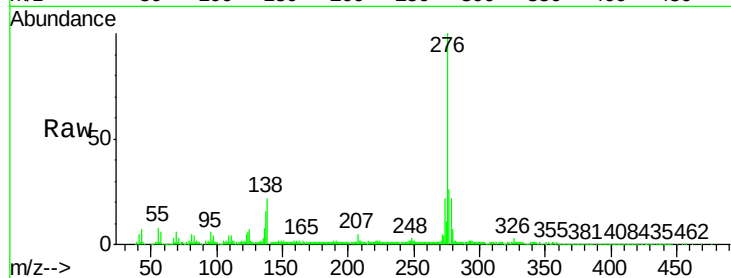
Tot Ion:276 Resp: 528907

Ion Ratio Lower Upper

276 100

138 21.7 20.6 31.0

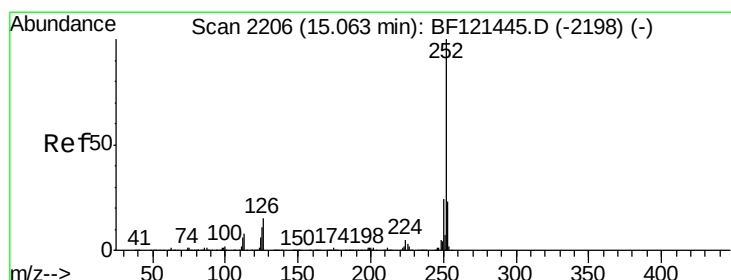
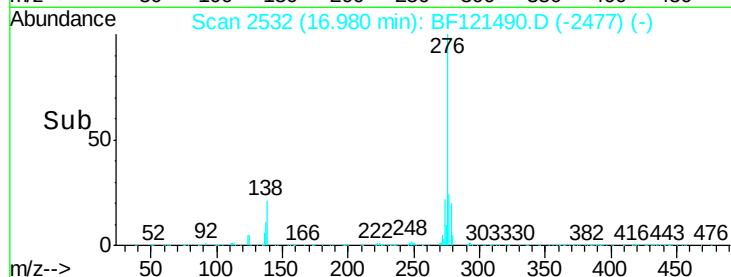
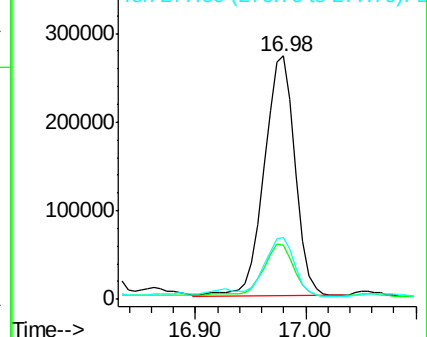
277 24.0 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 44.557 ng

RT: 15.07 min Scan# 2208

Delta R.T. 0.01 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

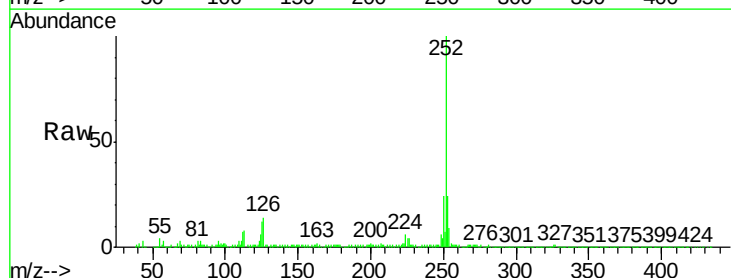
Tgt Ion:252 Resp: 1715569

Ion Ratio Lower Upper

252 100

253 23.9 18.3 27.5

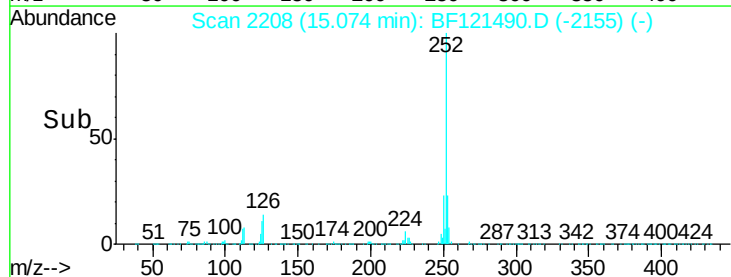
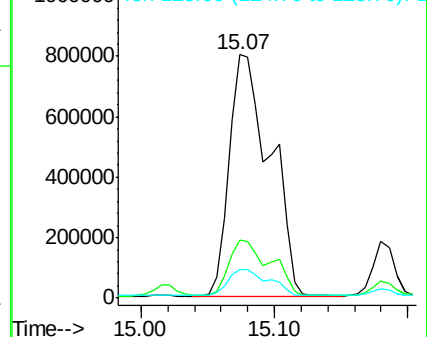
125 11.7 9.2 13.8

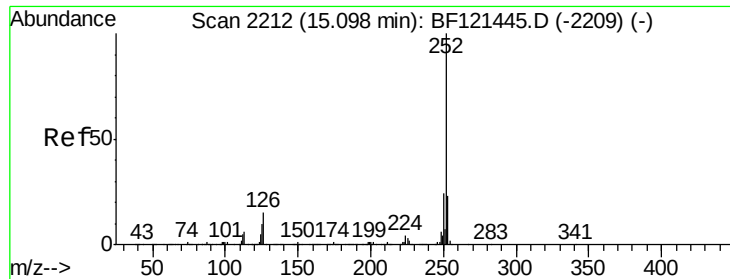


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

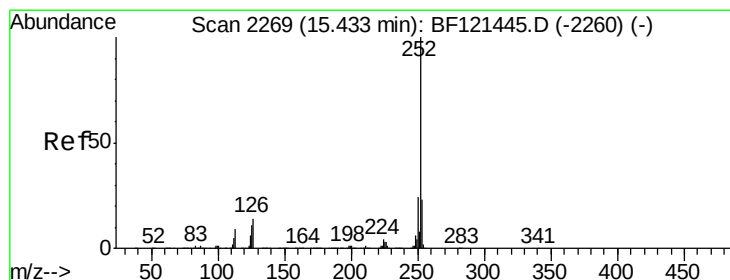
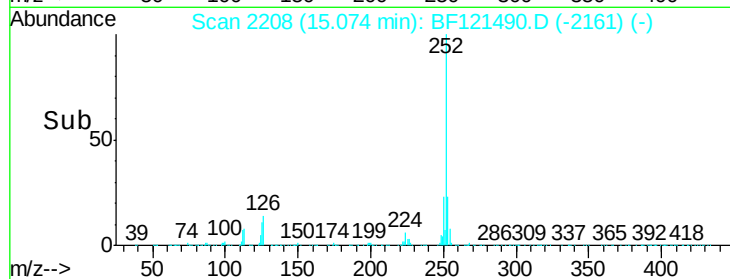
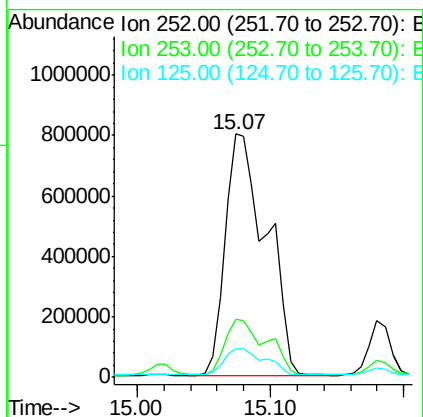
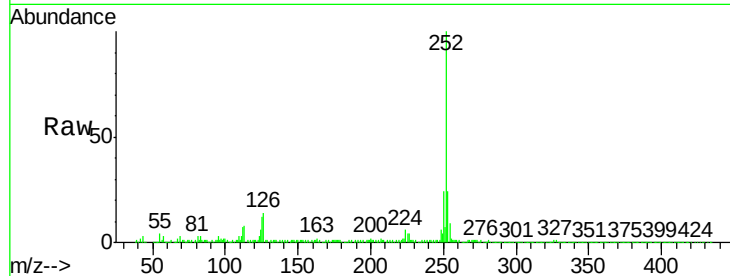




#89
Benzo(k)fluoranthene
Concen: 47.904 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

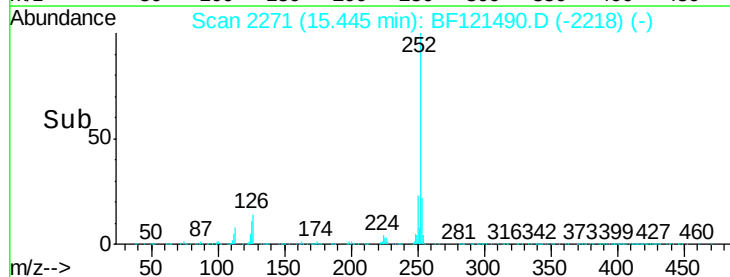
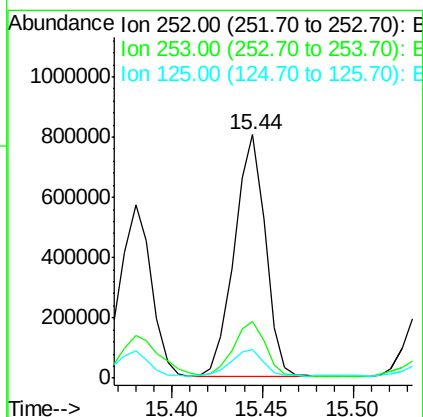
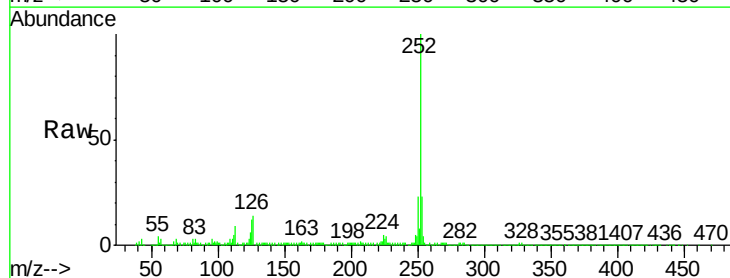
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-A

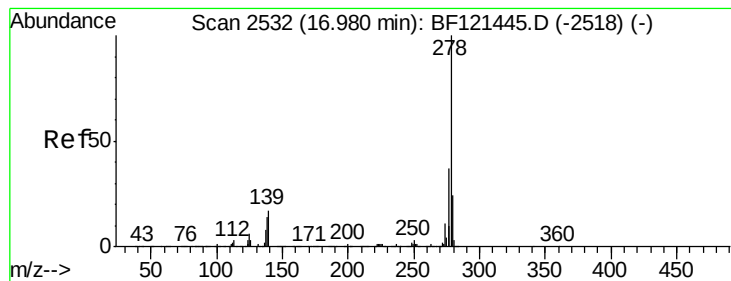
Tot Ion:252 Resp: 1715569
Ion Ratio Lower Upper
252 100
253 23.9 18.3 27.5
125 11.7 8.5 12.7



#90
Benzo(a)pyrene
Concen: 27.638 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF121490.D
Acq: 31 Aug 2020 21:35

Tgt Ion:252 Resp: 956884
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 11.7 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 4.453 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-A

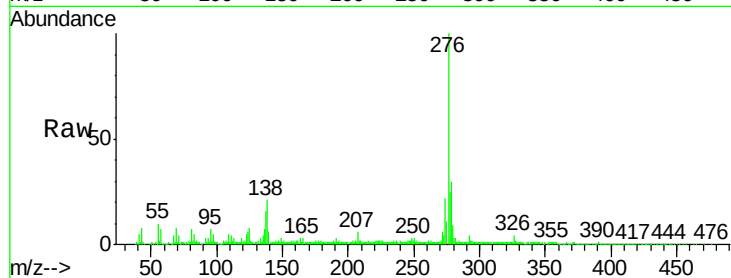
Tot Ion:278 Resp: 132741

Ion Ratio Lower Upper

278 100

139 20.8 13.3 19.9#

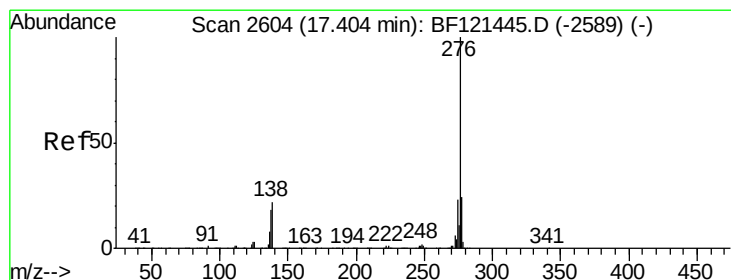
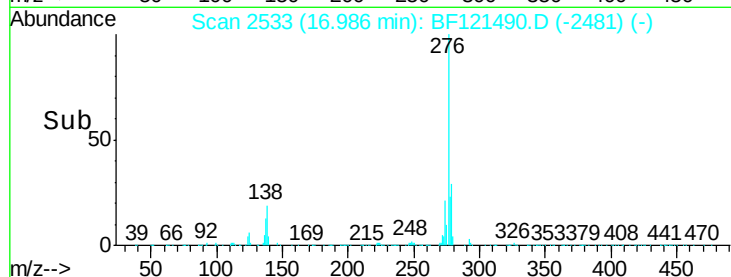
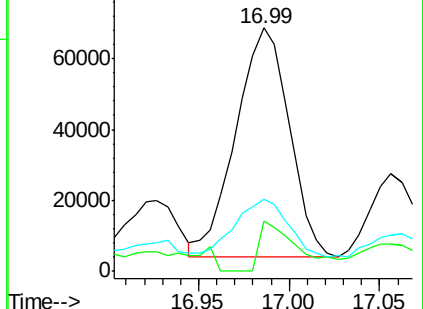
279 29.7 19.4 29.0#



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: 19.659 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.02 min

Lab File: BF121490.D

Acq: 31 Aug 2020 21:35

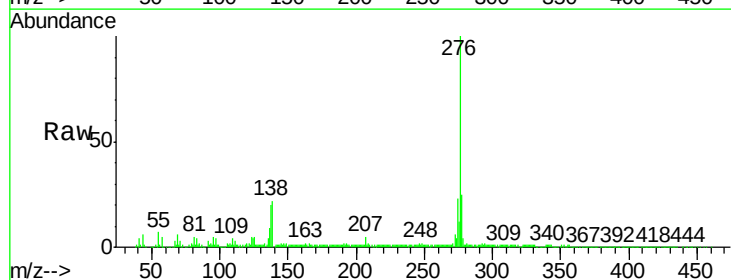
Tgt Ion:276 Resp: 564560

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 22.3 17.4 26.0



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

