

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
 Data File : BF121510.D
 Acq On : 1 Sep 2020 22:15
 Operator : JU/CG
 Sample : L3847-03DL 25X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Sep 02 00:38:16 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	262532	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1020775	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	518443	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	887889	20.00	ng	0.00
76) Chrysene-d12	14.03	240	644269	20.00	ng	0.00
86) Perylene-d12	15.51	264	714210	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	24969	1.60	ng	-0.01
7) Phenol-d6	6.47	99	36741	1.68	ng	-0.02
23) Nitrobenzene-d5	7.42	82	20811	1.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	9135	1.74	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	55316	1.72	ng	-0.01
79) Terphenyl-d14	12.97	244	49553	1.62	ng	0.00

Target Compounds

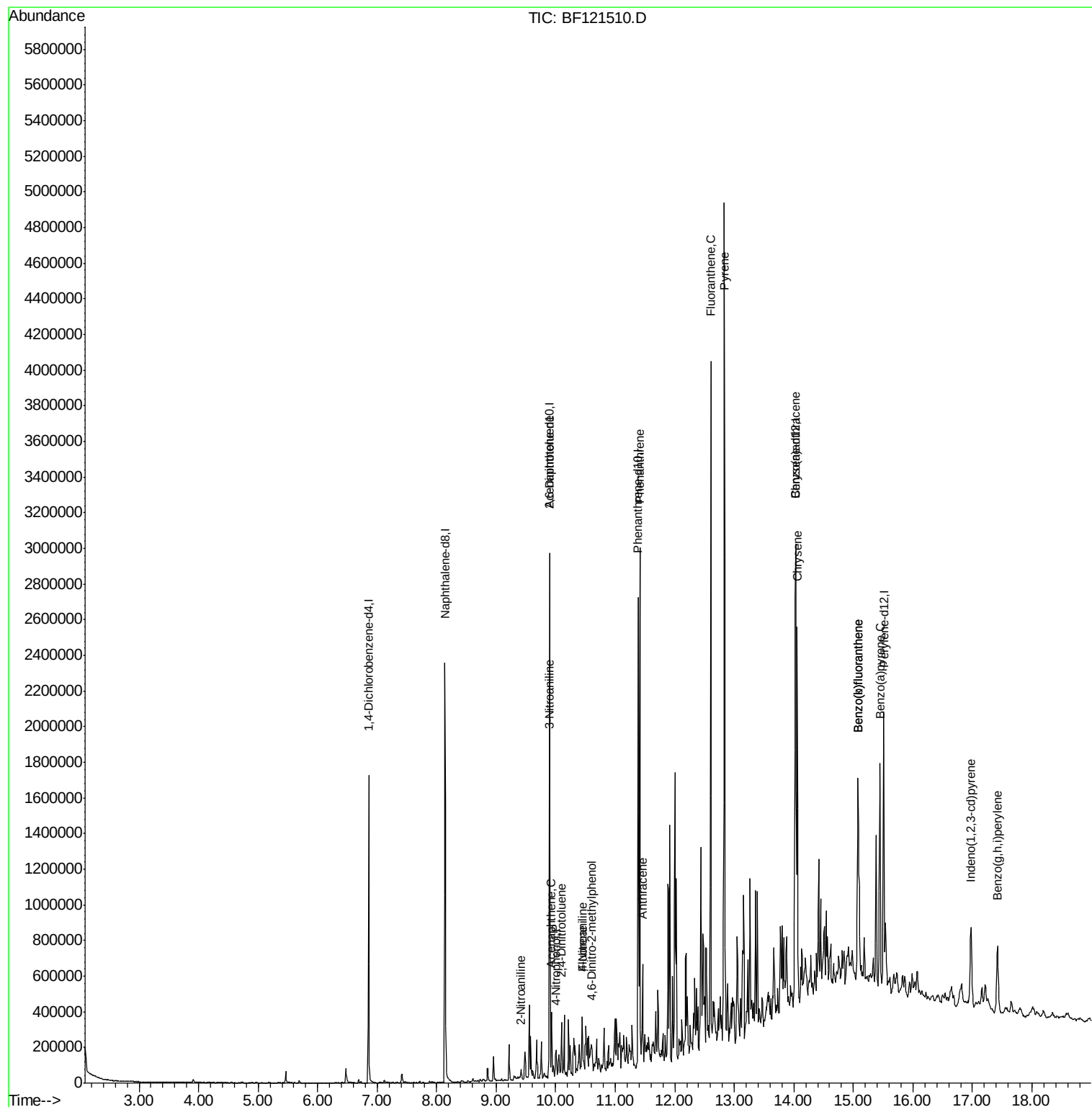
	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	271	Below Cal		# 74
48) 2-Nitroaniline	9.42	65	779	6.722	ng	# 5
51) 2,6-Dinitrotoluene	9.90	165	71140	15.652	ng	# 25
52) Acenaphthene	9.93	154	69065	2.268	ng	# 98
53) 3-Nitroaniline	9.89	138	114	5.464	ng	# 1
56) 4-Nitrophenol	10.00	139	3704	8.342	ng	# 36
57) 2,4-Dinitrotoluene	10.10	165	2589	7.543	ng	# 46
58) Fluorene	10.45	166	71743	2.151	ng	# 99
62) 4-Nitroaniline	10.45	138	1015	4.641	ng	# 41
65) 4,6-Dinitro-2-methylphenol	10.60	198	270	5.566	ng	# 1
71) Phenanthrene	11.41	178	960270	21.075	ng	# 98
72) Anthracene	11.46	178	224419	5.008	ng	# 95
75) Fluoranthene	12.60	202	1376112	28.023	ng	# 97
78) Pyrene	12.83	202	1896306	41.213	ng	# 98
81) Benzo(a)anthracene	14.02	228	691151	17.573	ng	# 98
83) Chrysene	14.06	228	727455	18.488	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.97	276	309793	7.050	ng	# 95
88) Benzo(b)fluoranthene	15.08	252	915939	19.715	ng	# 98
89) Benzo(k)fluoranthene	15.08	252	915939	21.196	ng	# 98
90) Benzo(a)pyrene	15.44	252	628796	15.052	ng	# 99
92) Benzo(g,h,i)perylene	17.42	276	306939	8.858	ng	# 98

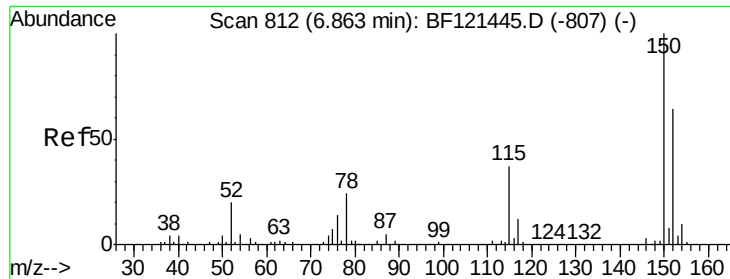
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121510.D
Acq On : 1 Sep 2020 22:15
Operator : JU/CG
Sample : L3847-03DL 25X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Sep 02 00:38:16 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

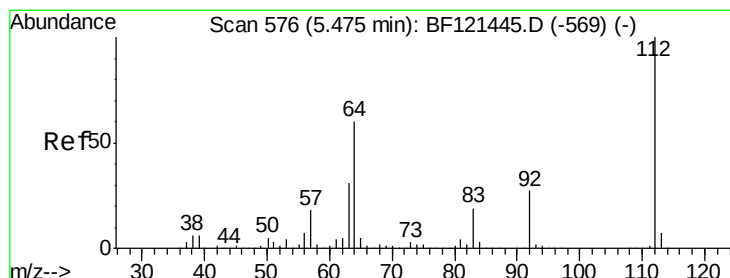
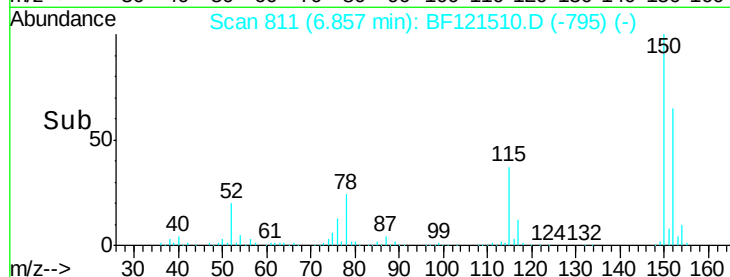
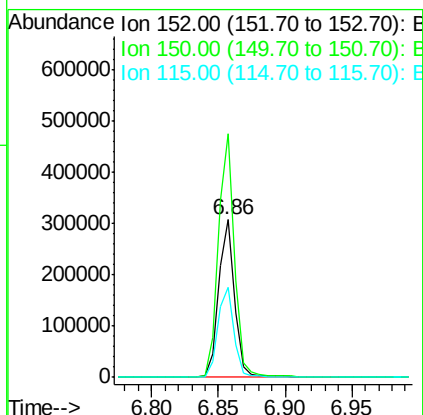
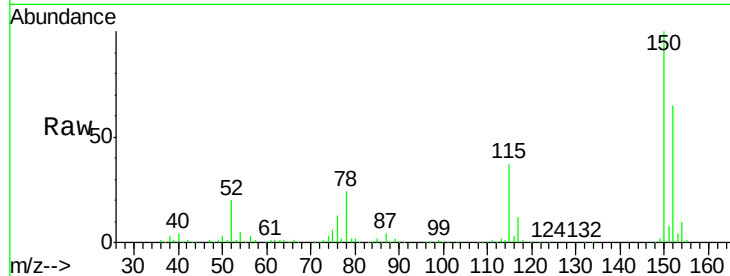




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

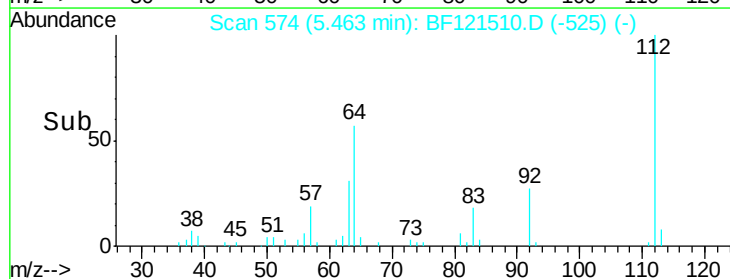
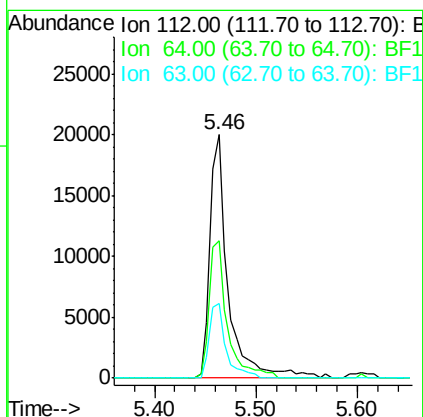
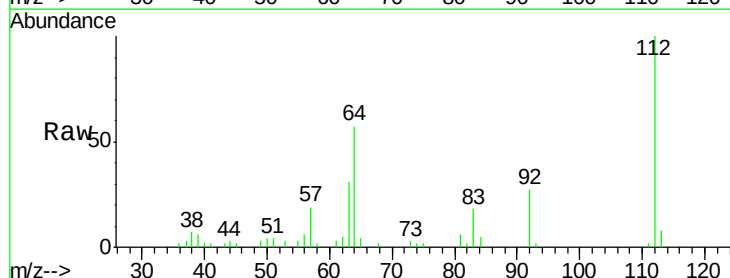
Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-08-BDL

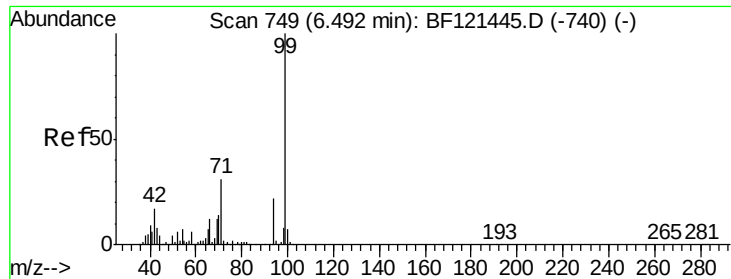
Tot Ion:152 Resp: 262532
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.8 188.6
 115 57.3 46.6 69.8



#5
 2-Fluorophenol
 Concen: 1.596 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

Tgt Ion:112 Resp: 24969
 Ion Ratio Lower Upper
 112 100
 64 56.5 48.2 72.2
 63 30.8 24.8 37.2





#7

Phenol-d6

Concen: 1.680 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF121510.D

Acq: 1 Sep 2020 22:15

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-BDL

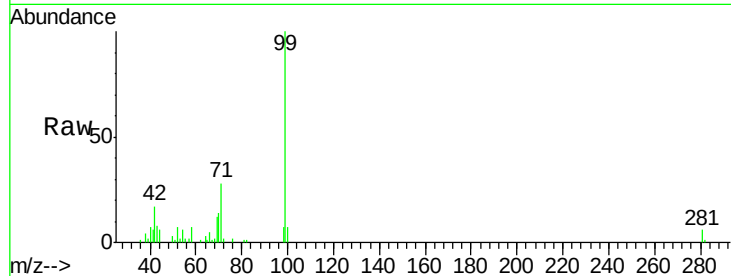
Tot Ion: 99 Resp: 36741

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

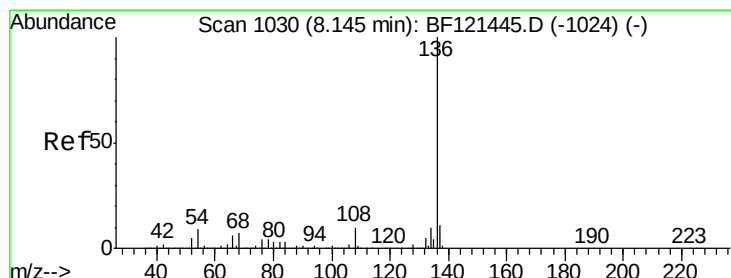
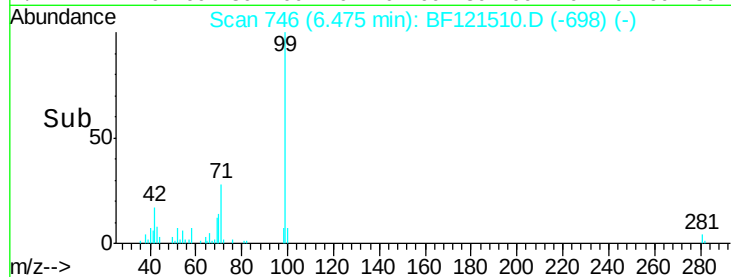
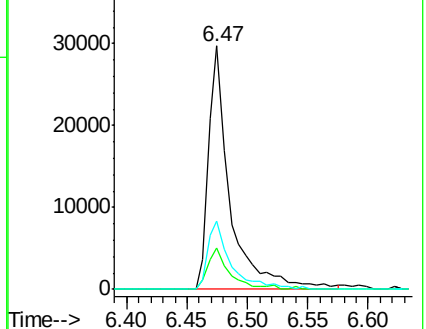
71 27.9 24.6 37.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF121510.D

Acq: 1 Sep 2020 22:15

Tgt Ion: 136 Resp: 1020775

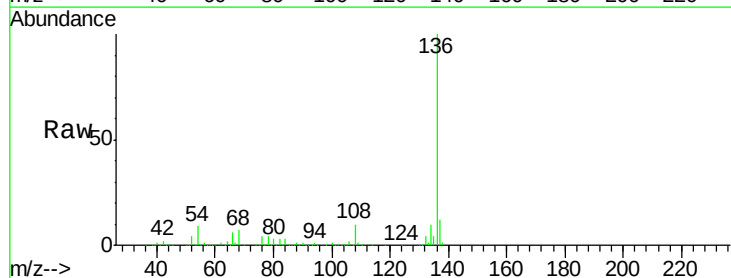
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 8.5 7.0 10.4

68 6.9 5.5 8.3

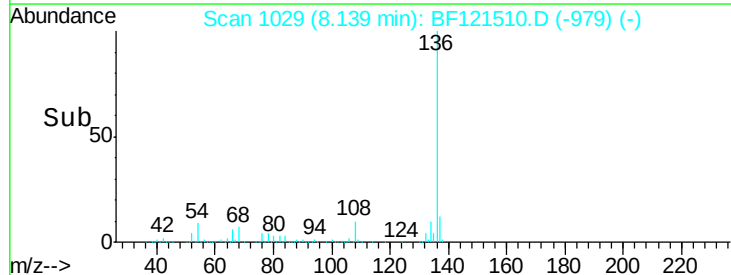
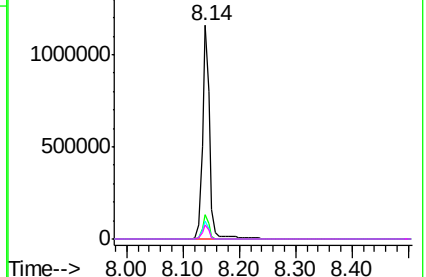


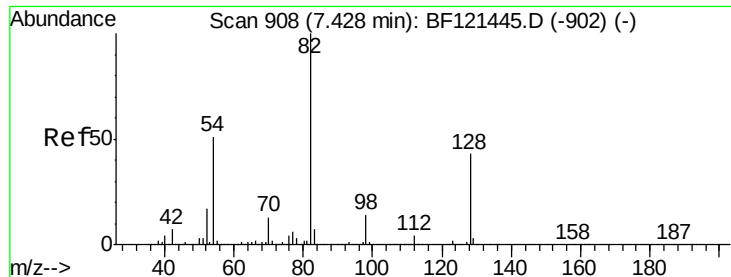
Abundance Ion 136.00 (135.70 to 136.70): E

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

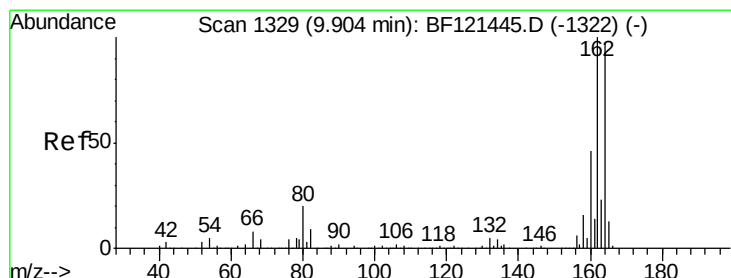
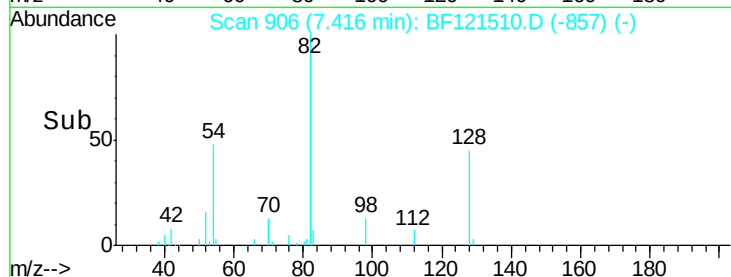
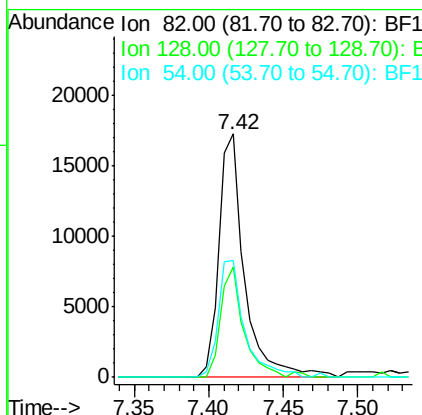
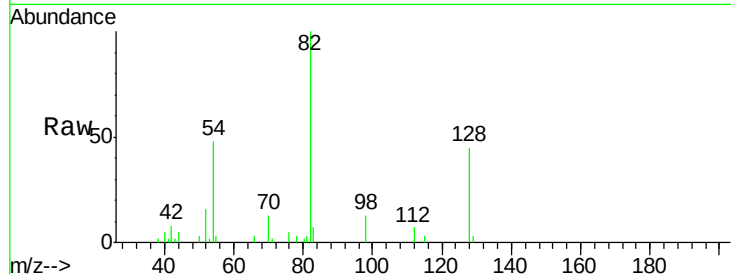




#23
 Nitrobenzene-d5
 Concen: 1.394 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

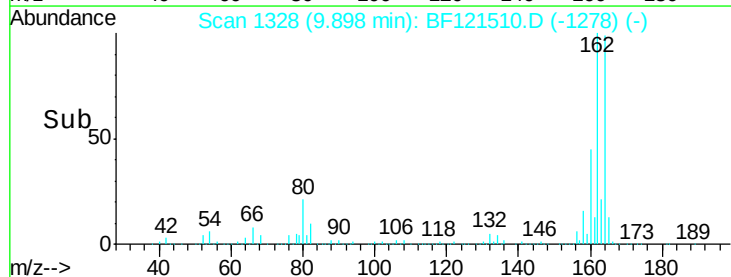
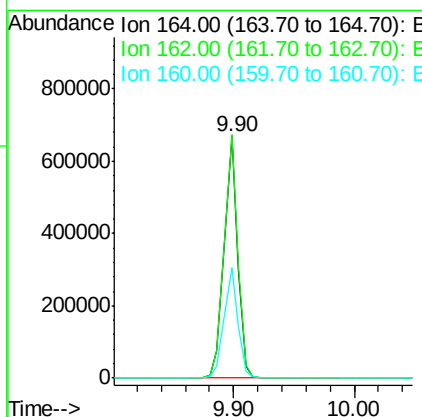
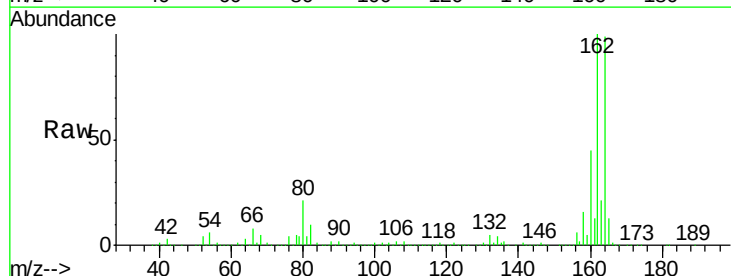
Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-08-BDL

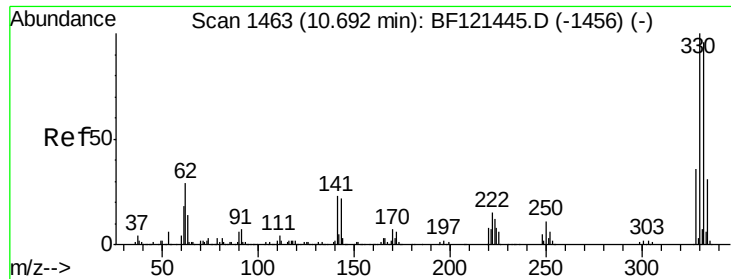
Tot Ion	82	Resp	20811
Ion Ratio	Lower	Upper	
82	100		
128	45.4	34.1	51.1
54	47.8	41.0	61.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

Tgt Ion	164	Resp	518443
Ion Ratio	Lower	Upper	
164	100		
162	100.7	82.4	123.6
160	45.6	37.6	56.4

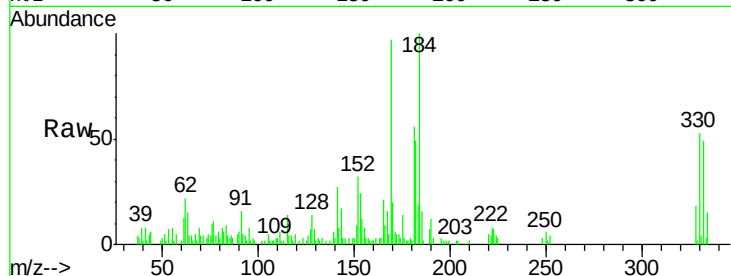




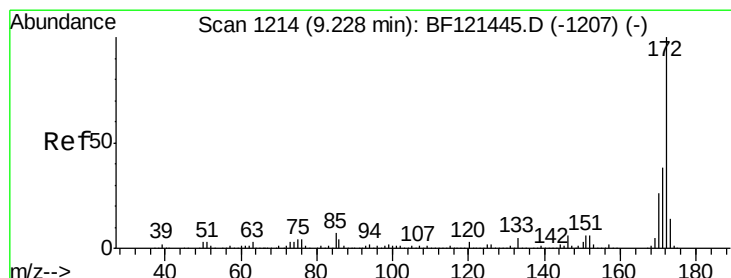
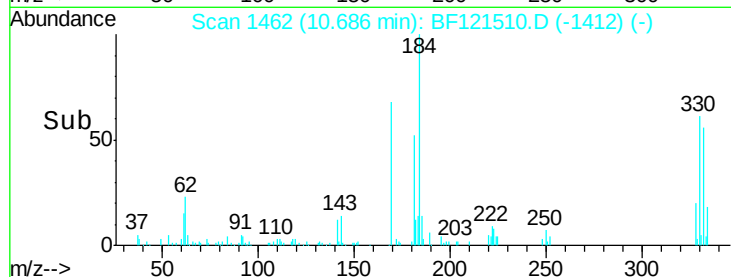
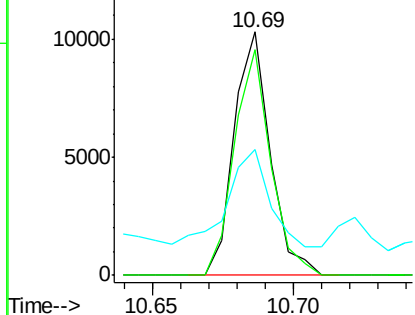
#42
 2,4,6-Tribromophenol
 Concen: 1.744 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

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

Tot Ion:330 Resp: 9135
 Ion Ratio Lower Upper
 330 100
 332 93.5 76.2 114.2
 141 46.6 24.6 36.8#

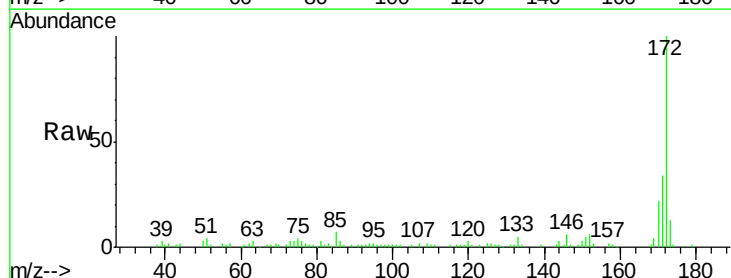


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

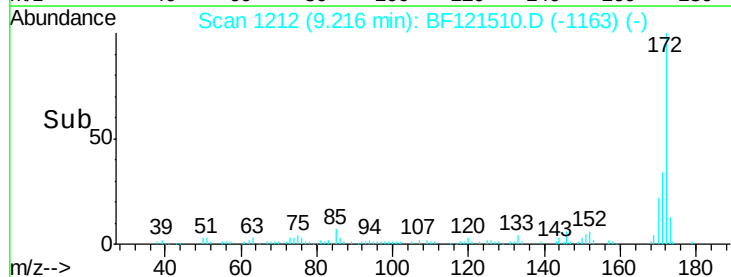
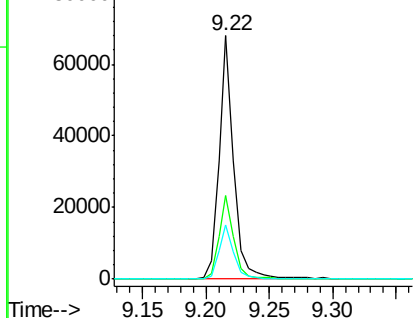


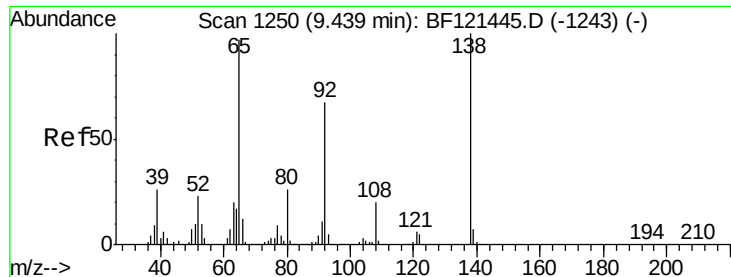
#45
 2-Fluorobiphenyl
 Concen: 1.722 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

Tgt Ion:172 Resp: 55316
 Ion Ratio Lower Upper
 172 100
 171 34.3 30.6 45.8
 170 22.1 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

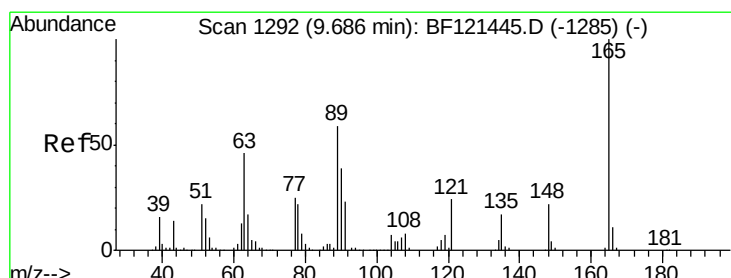
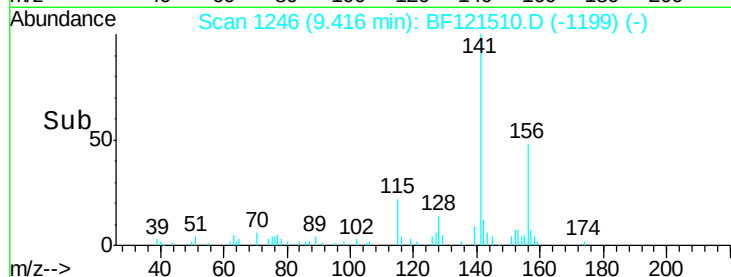
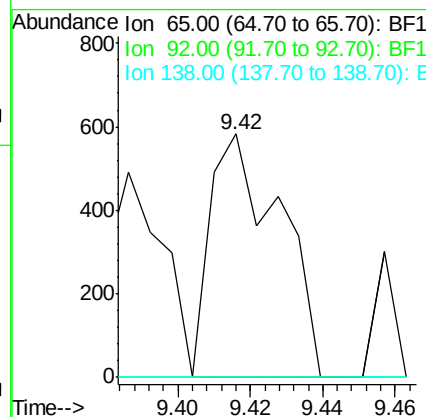
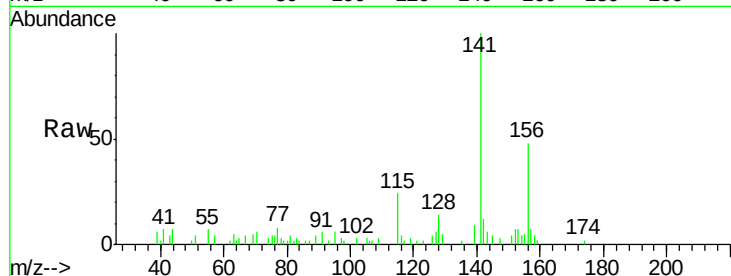




#48
2-Nitroaniline
Concen: 6.722 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

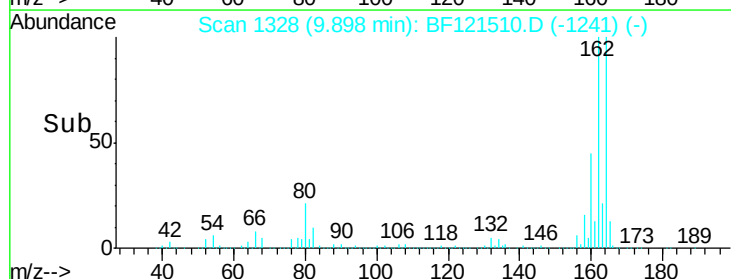
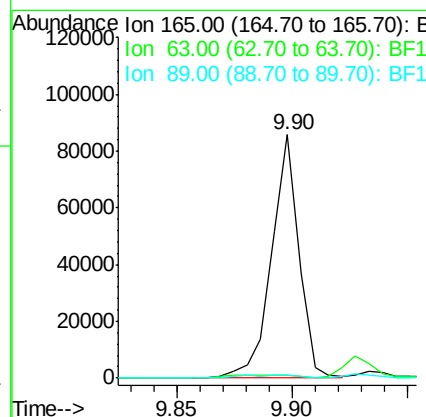
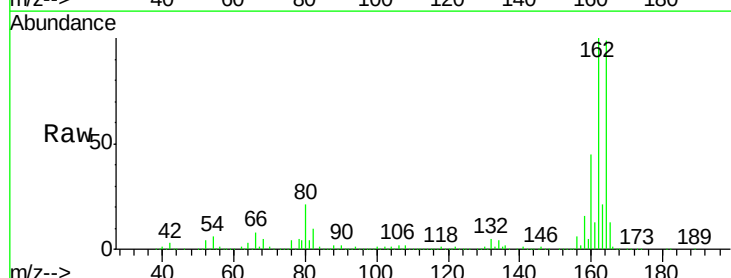
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-BDL

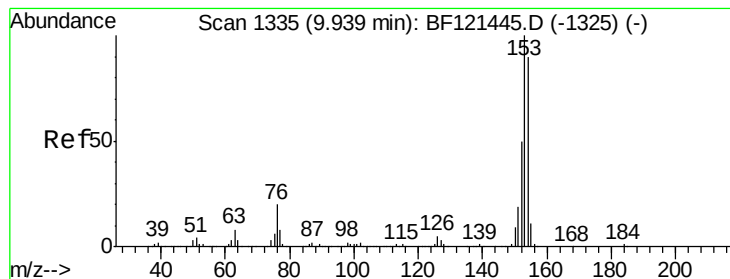
Tot Ion: 65 Resp: 779
Ion Ratio Lower Upper
65 100
92 0.0 55.6 83.4#
138 0.0 82.9 124.3#



#51
2,6-Dinitrotoluene
Concen: 15.652 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion: 165 Resp: 71140
Ion Ratio Lower Upper
165 100
63 1.4 43.6 65.4#
89 1.5 47.4 71.2#





#52

Acenaphthene

Concen: 2.268 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF121510.D

Acq: 1 Sep 2020 22:15

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-BDL

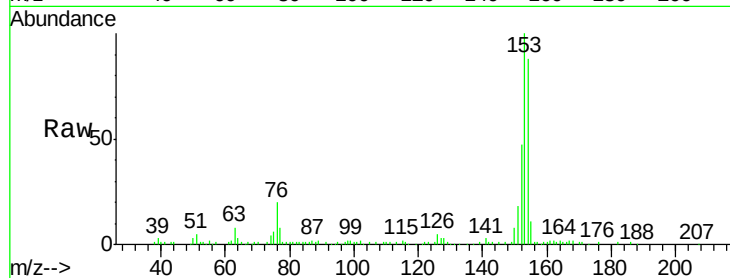
Tot Ion:154 Resp: 69065

Ion Ratio Lower Upper

154 100

153 113.1 88.9 133.3

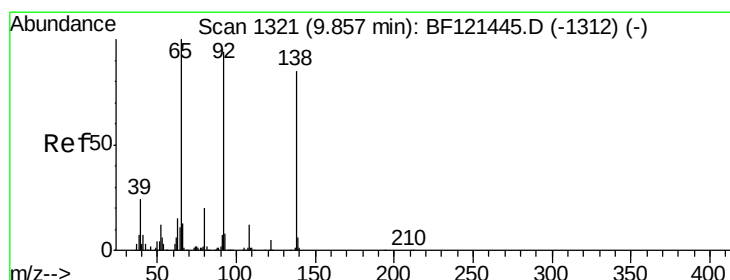
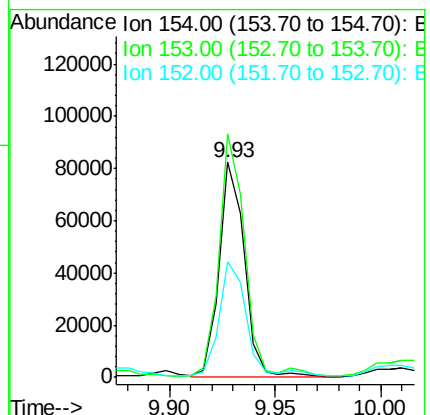
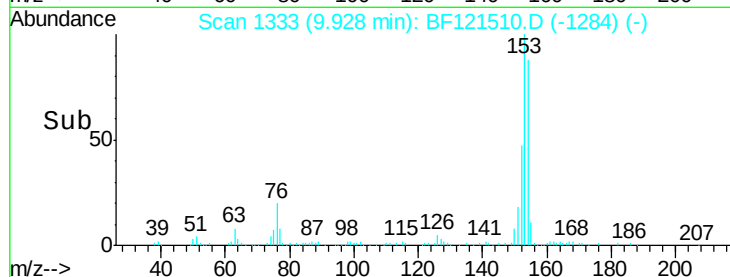
152 53.6 44.1 66.1



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: 5.464 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.03 min

Lab File: BF121510.D

Acq: 1 Sep 2020 22:15

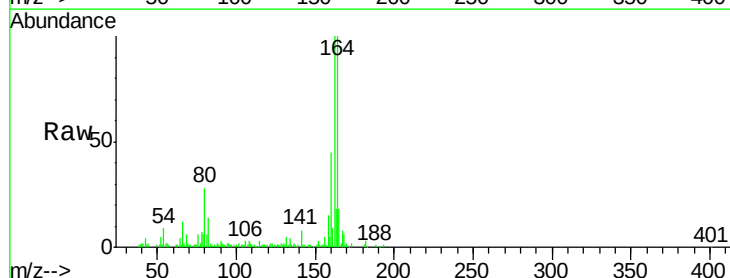
Tgt Ion:138 Resp: 114

Ion Ratio Lower Upper

138 100

108 607.7 11.6 17.4#

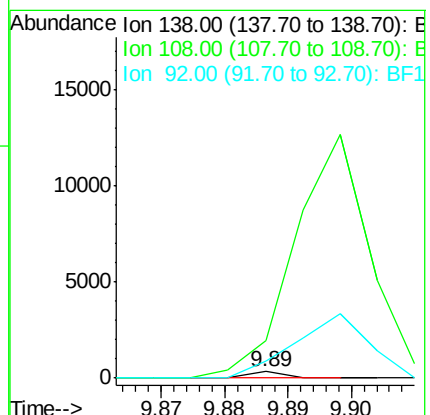
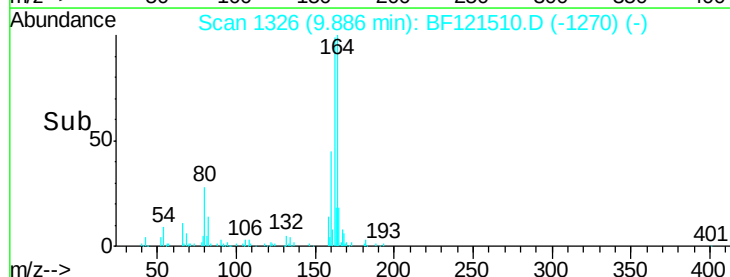
92 275.0 88.6 132.8#

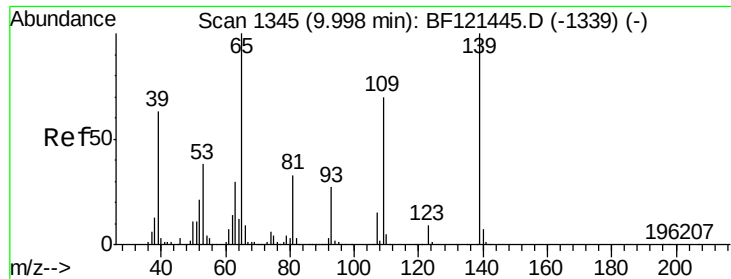


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

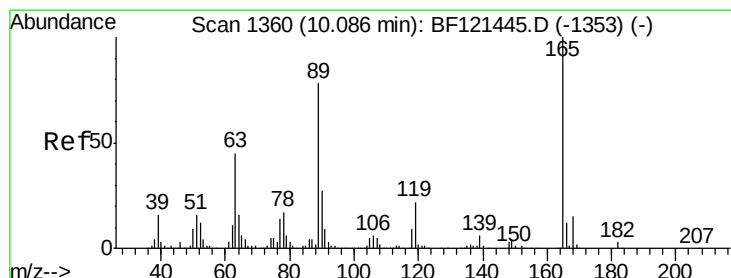
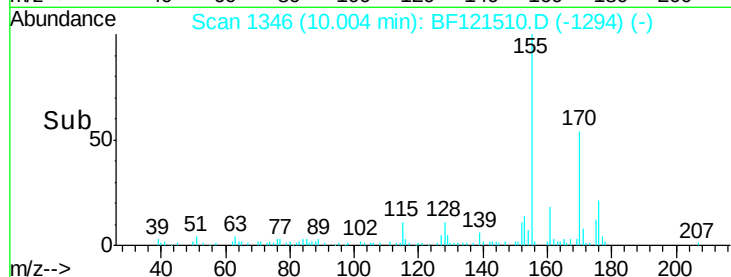
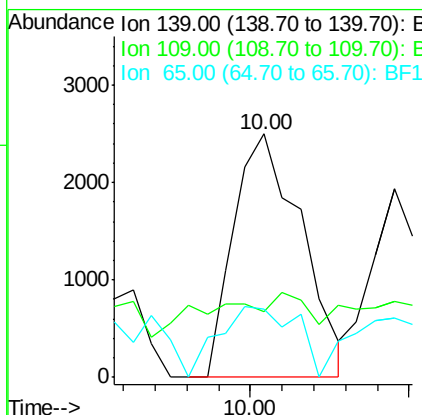
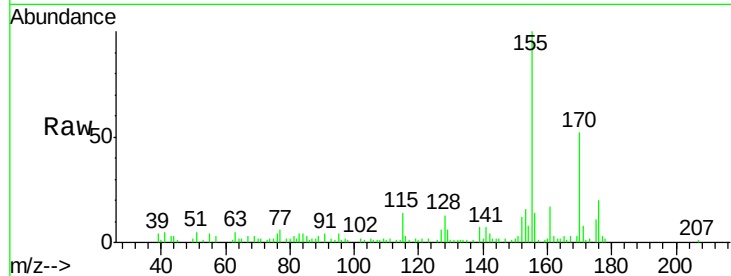




#56
4-Nitrophenol
Concen: 8.342 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

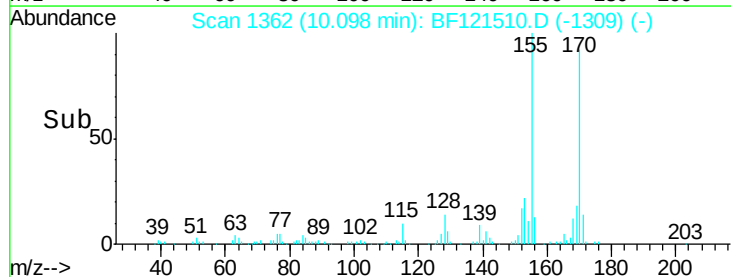
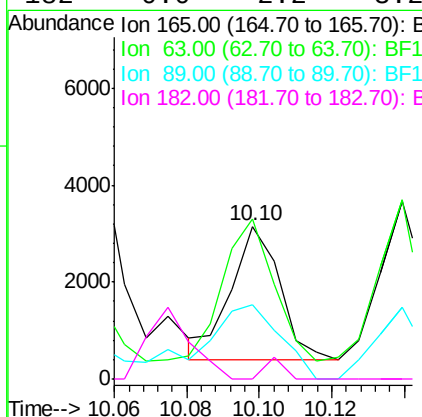
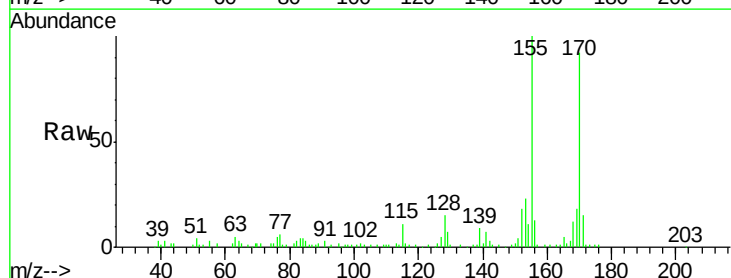
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-BDL

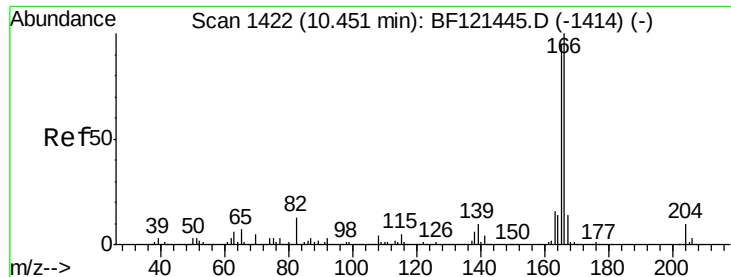
Tot Ion:139 Resp: 3704
Ion Ratio Lower Upper
139 100
109 27.0 50.5 90.5#
65 28.0 80.2 120.2#



#57
2,4-Dinitrotoluene
Concen: 7.543 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion:165 Resp: 2589
Ion Ratio Lower Upper
165 100
63 104.6 36.0 54.0#
89 48.8 62.6 93.8#
182 0.0 2.2 3.2#

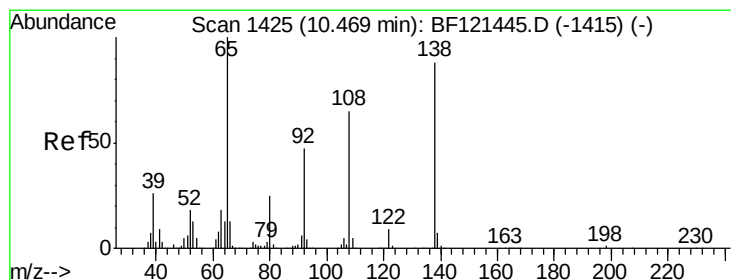
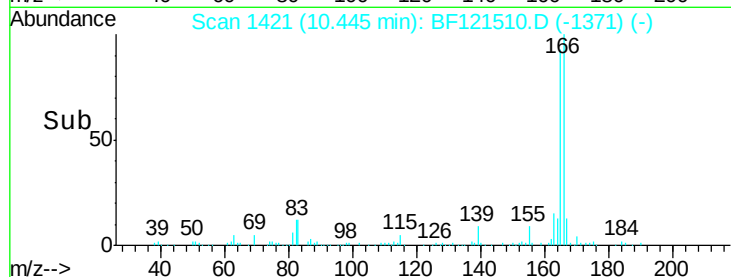
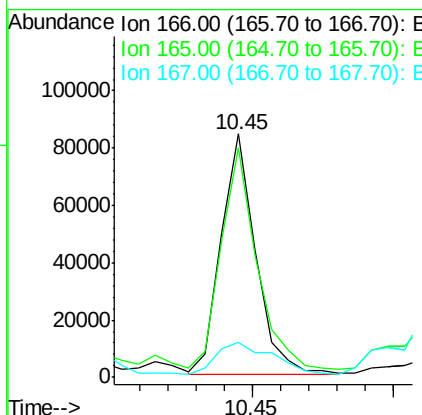
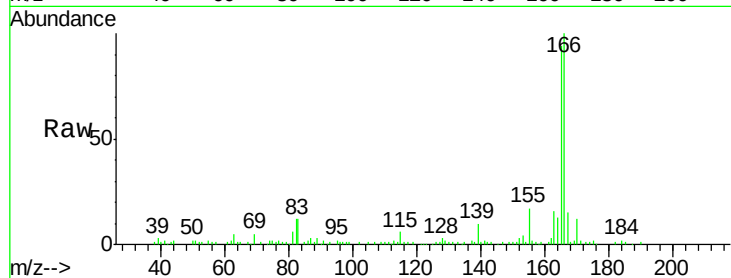




#58
 Fluorene
 Concen: 2.151 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

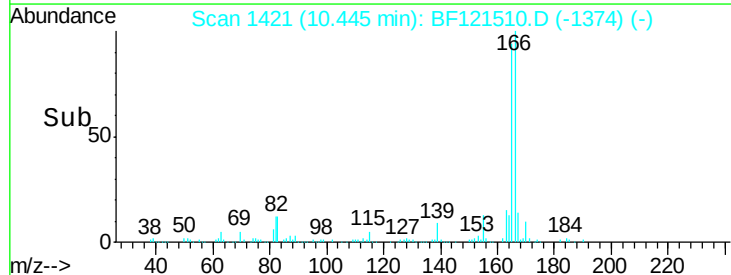
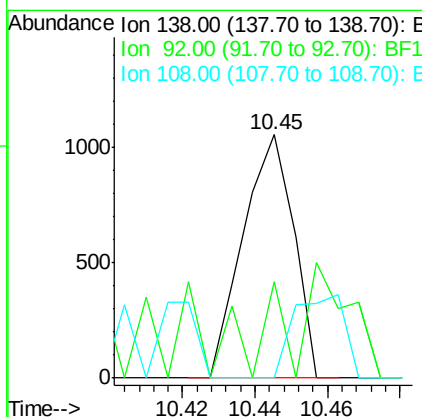
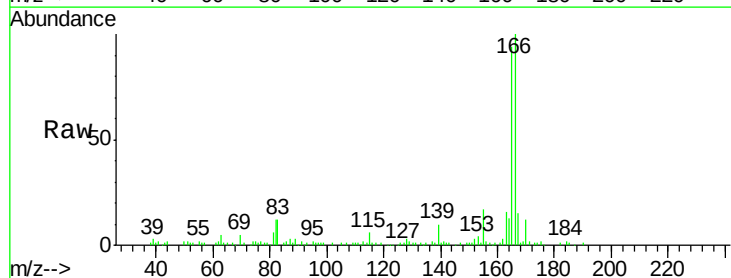
Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-08-BDL

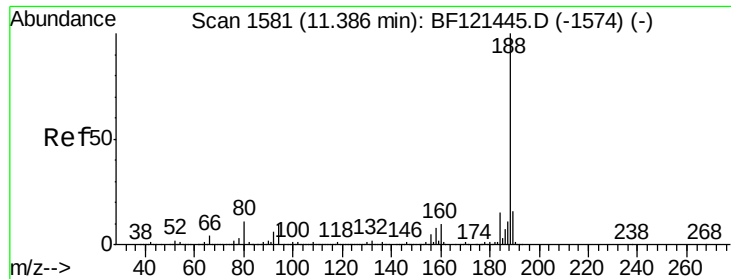
Tot Ion:166 Resp: 71743
 Ion Ratio Lower Upper
 166 100
 165 94.2 75.7 113.5
 167 14.5 11.1 16.7



#62
 4-Nitroaniline
 Concen: 4.641 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.02 min
 Lab File: BF121510.D
 Acq: 1 Sep 2020 22:15

Tgt Ion:138 Resp: 1015
 Ion Ratio Lower Upper
 138 100
 92 39.7 33.2 73.2
 108 0.0 53.6 93.6#

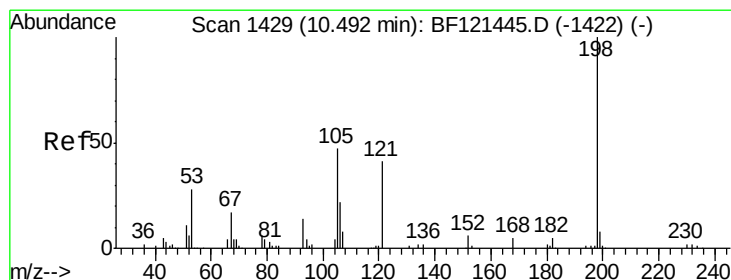
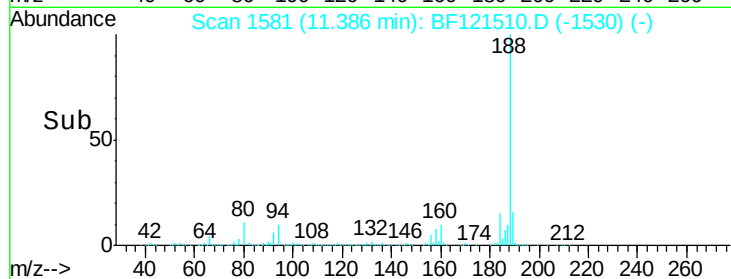
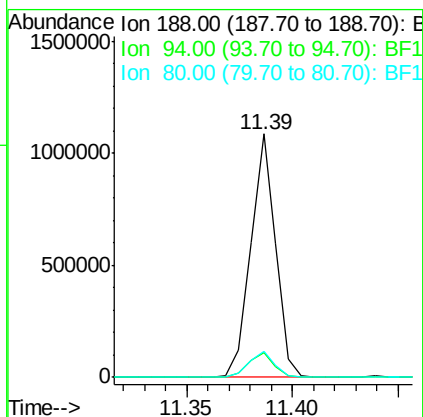
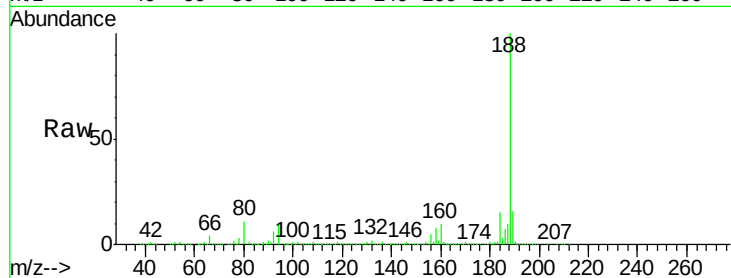




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

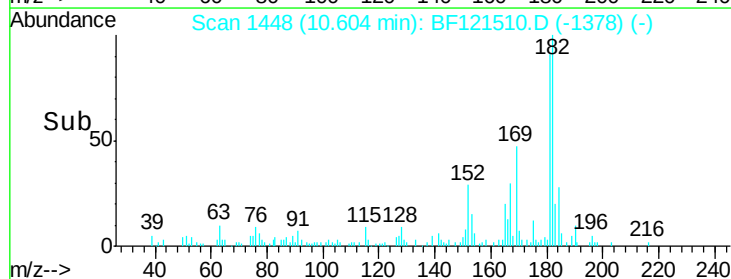
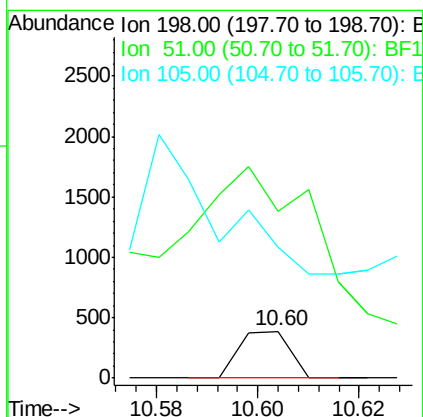
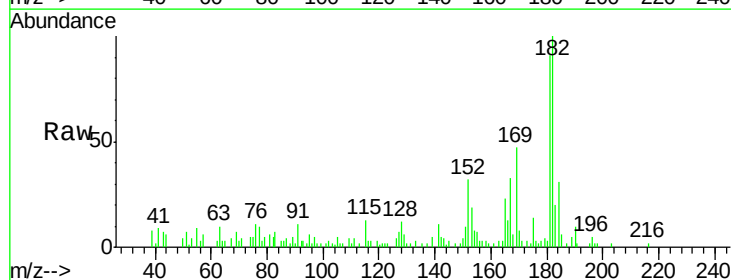
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-BDL

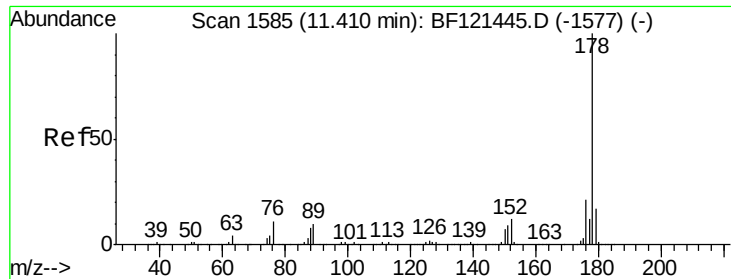
Tot Ion:188 Resp: 887889
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 10.9 8.6 13.0



#65
4,6-Dinitro-2-methylphenol
Concen: 5.566 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.11 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion:198 Resp: 270
Ion Ratio Lower Upper
198 100
51 356.3 29.0 69.0#
105 279.1 29.1 69.1#

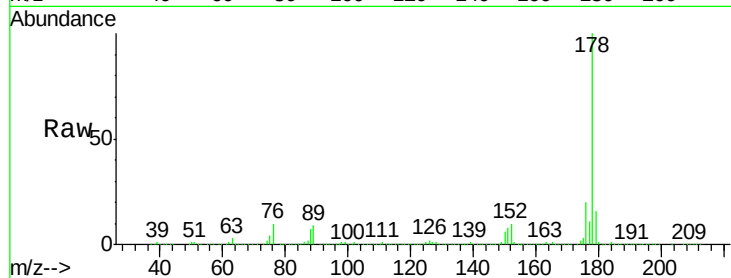




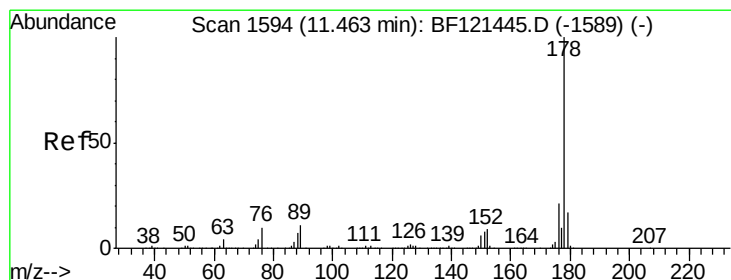
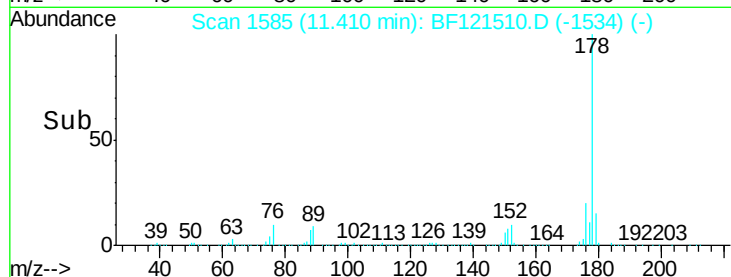
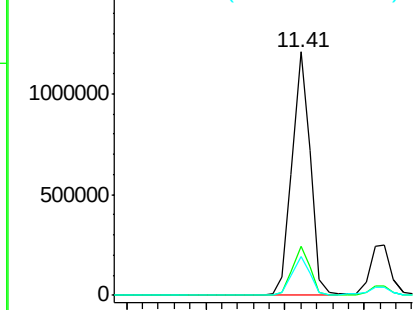
#71
Phenanthrene
Concen: 21.075 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

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

Tot Ion:178 Resp: 960270
Ion Ratio Lower Upper
178 100
176 20.0 16.9 25.3
179 15.8 13.4 20.0

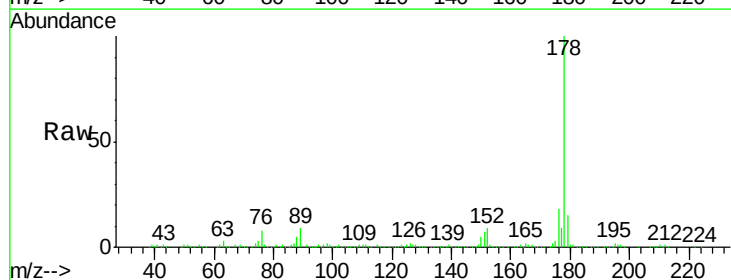


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

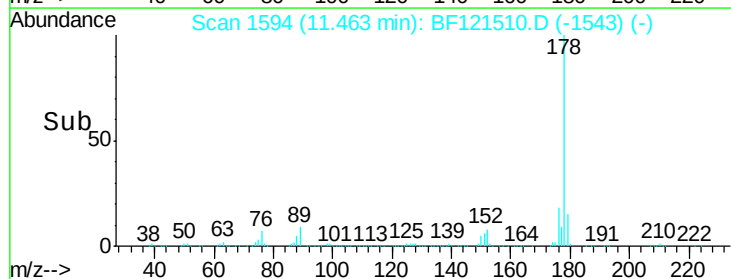
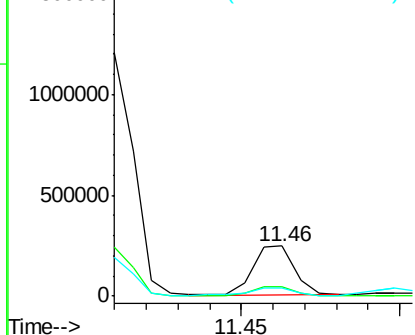


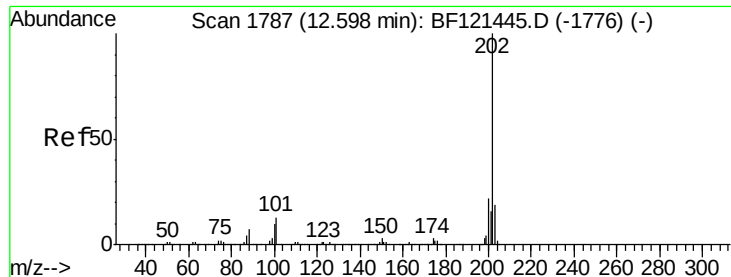
#72
Anthracene
Concen: 5.008 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion:178 Resp: 224419
Ion Ratio Lower Upper
178 100
176 17.8 16.7 25.1
179 15.2 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





#75

Fluoranthene

Concen: 28.023 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF121510.D

Acq: 1 Sep 2020 22:15

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-BDL

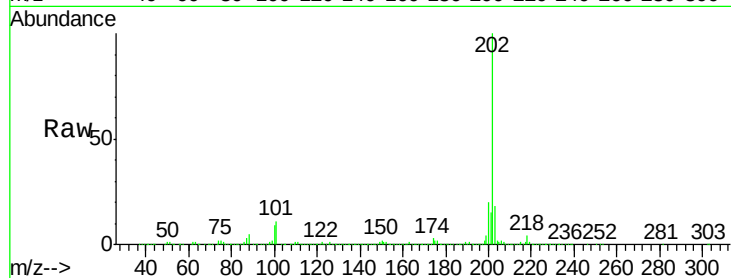
Tot Ion:202 Resp: 1376112

Ion Ratio Lower Upper

202 100

101 11.5 0.0 33.3

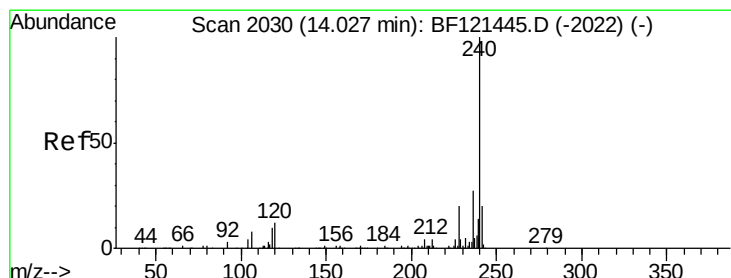
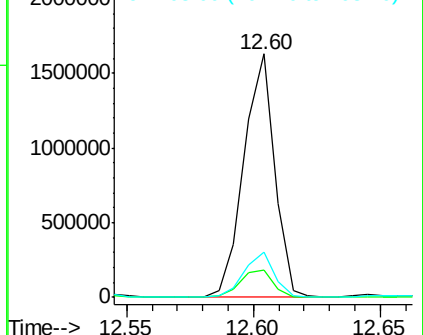
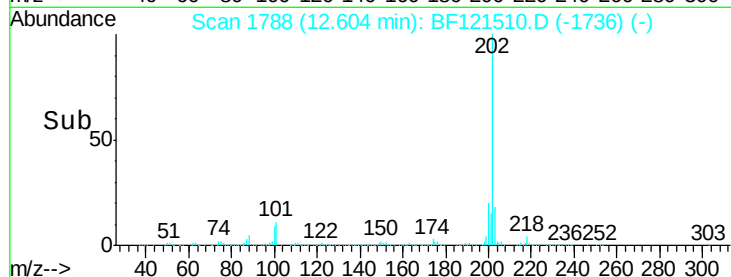
203 18.3 0.0 39.1



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: BF121510.D

Acq: 1 Sep 2020 22:15

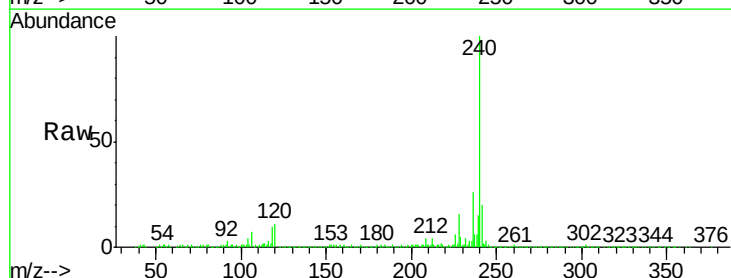
Tgt Ion:240 Resp: 644269

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

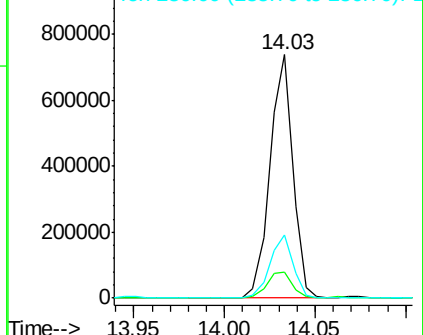
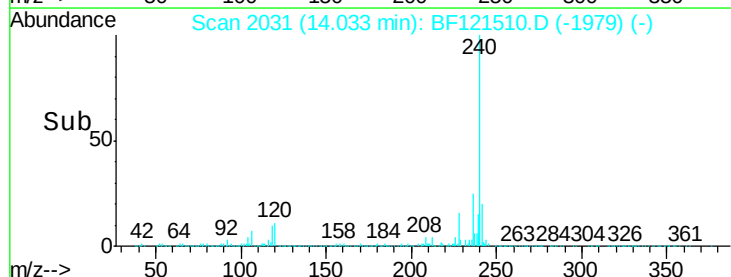
236 25.7 21.8 32.6

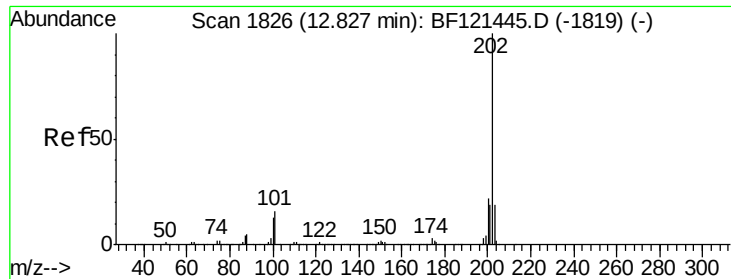


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

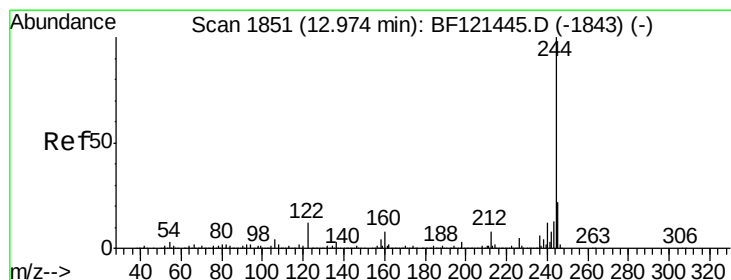
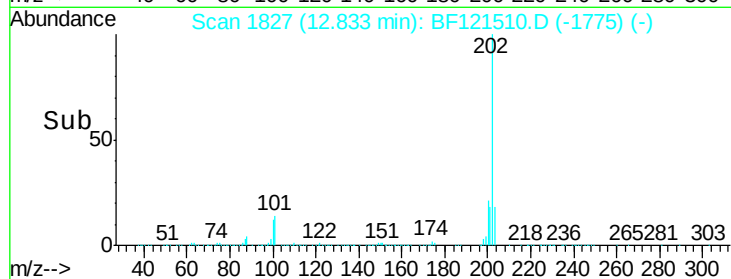
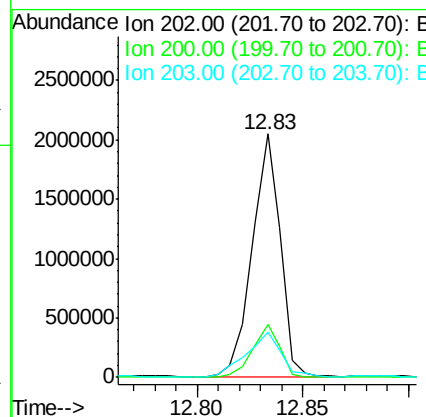
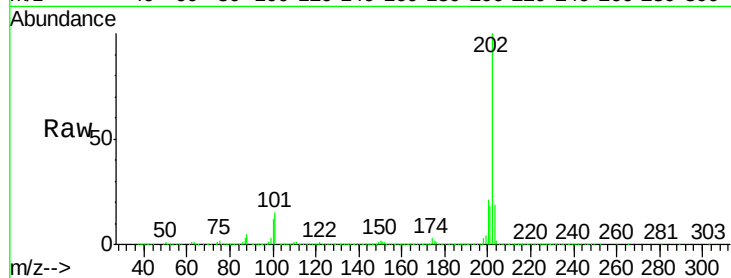




#78
Pvrene
Concen: 41.213 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

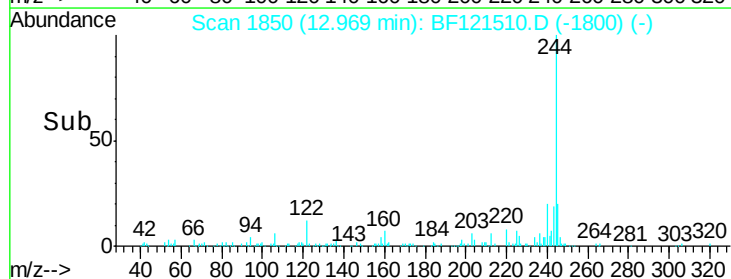
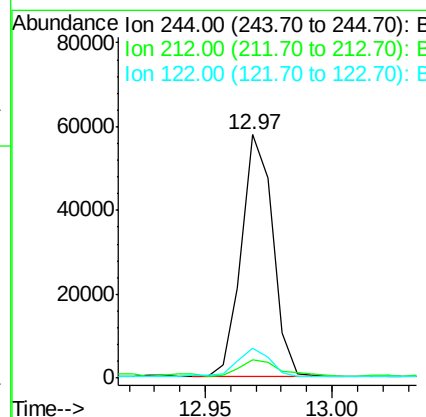
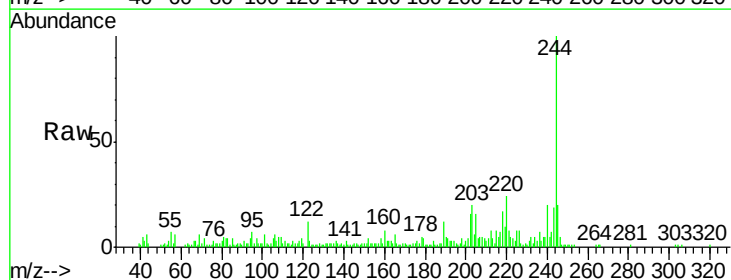
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-BDL

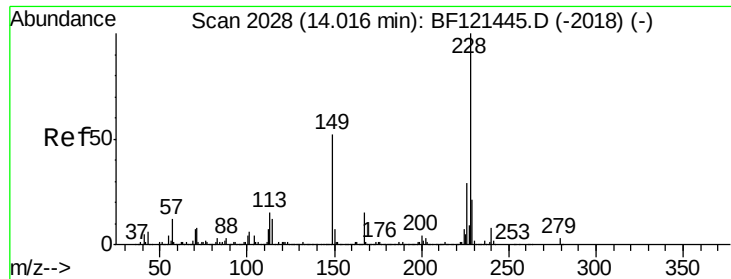
Tot Ion:202 Resp: 1896306
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 18.6 15.3 22.9



#79
Terphenyl-d14
Concen: 1.619 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion:244 Resp: 49553
Ion Ratio Lower Upper
244 100
212 7.7 6.3 9.5
122 12.4 9.5 14.3

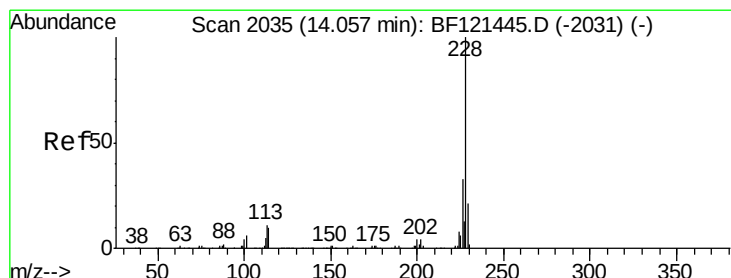
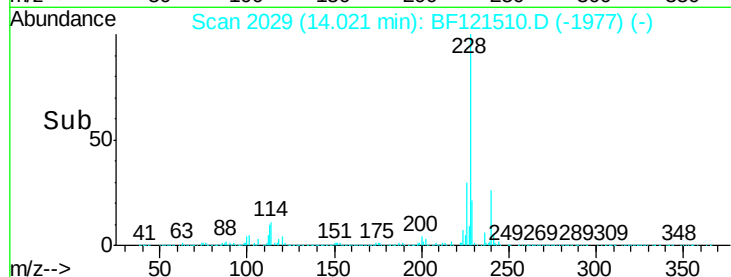
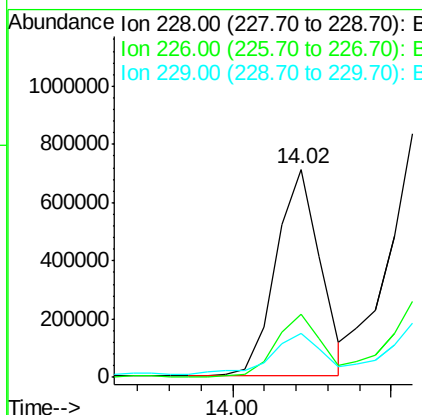
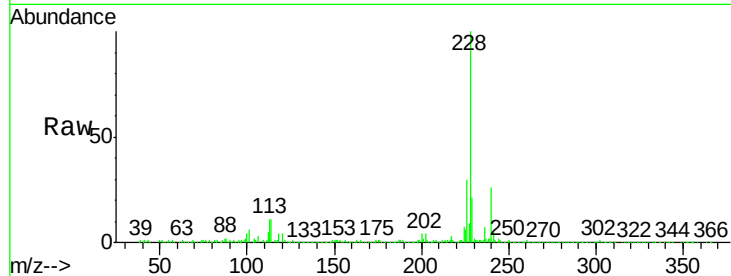




#81
Benzo(a)anthracene
Concen: 17.573 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

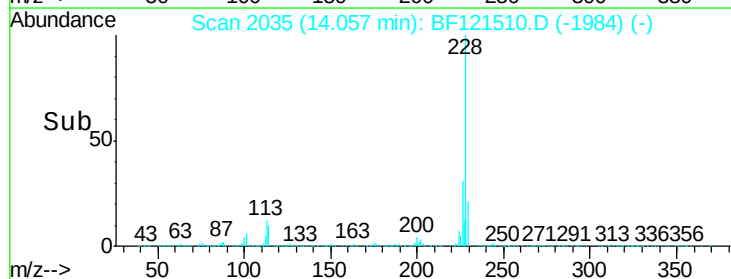
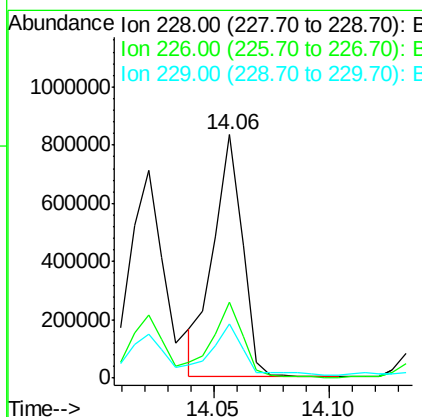
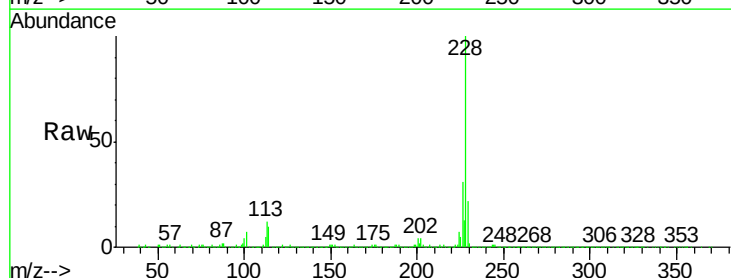
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-BDL

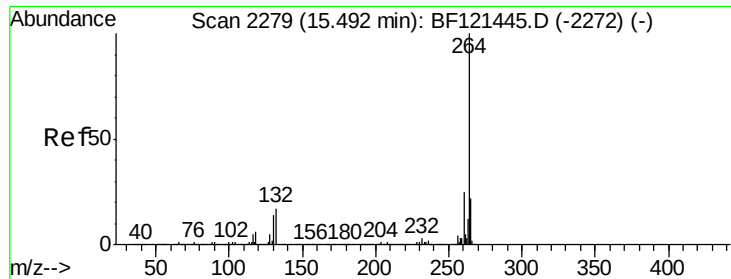
Tot Ion:228 Resp: 691151
Ion Ratio Lower Upper
228 100
226 30.4 23.0 34.4
229 21.2 16.6 24.8



#83
Chrysene
Concen: 18.488 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion:228 Resp: 727455
Ion Ratio Lower Upper
228 100
226 31.0 26.2 39.2
229 22.1 16.6 25.0

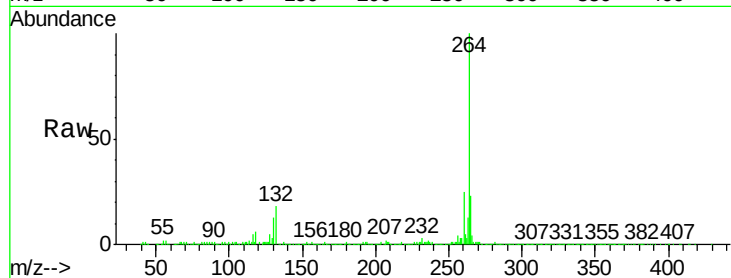




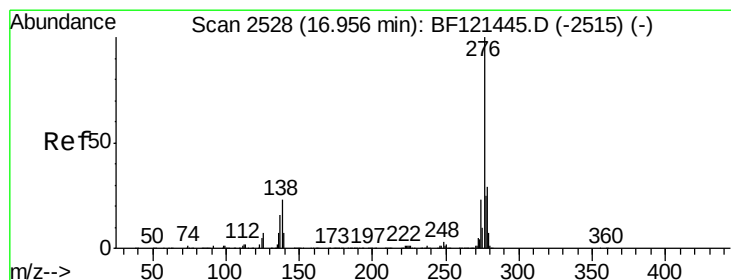
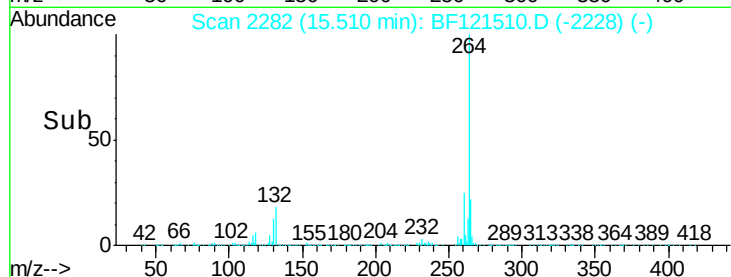
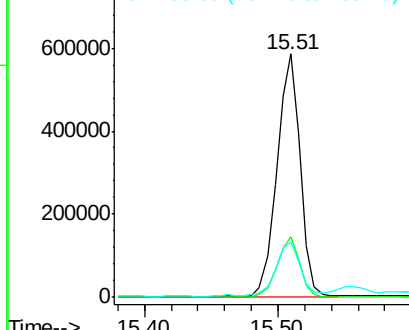
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.02 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

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

Tot Ion:264 Resp: 714210
Ion Ratio Lower Upper
264 100
260 24.7 19.6 29.4
265 22.7 17.8 26.6

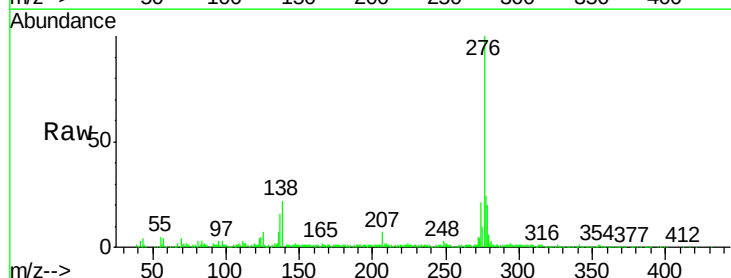


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

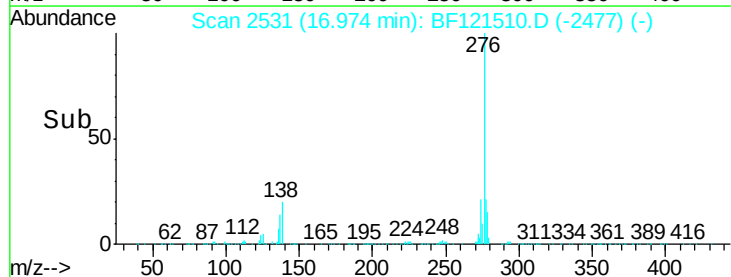
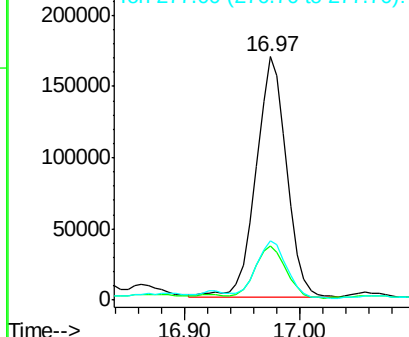


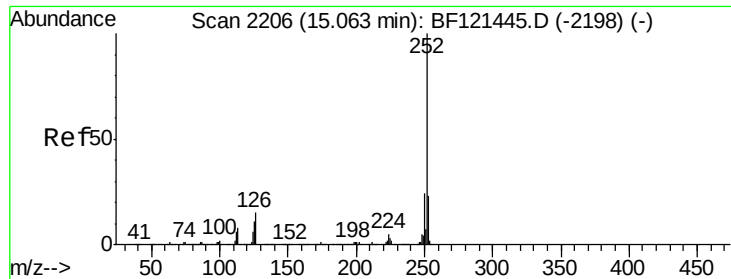
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.050 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion:276 Resp: 309793
Ion Ratio Lower Upper
276 100
138 21.9 20.6 31.0
277 23.9 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

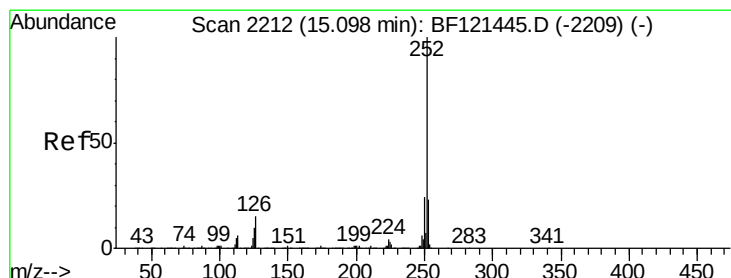
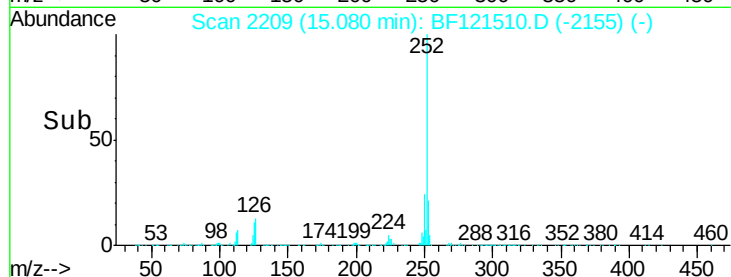
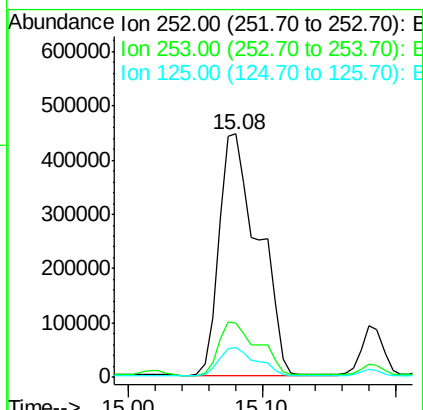
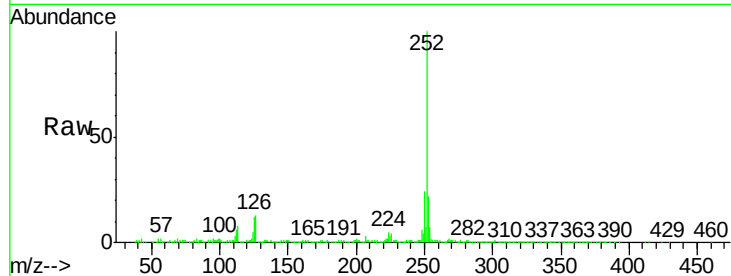




#88
Benzo(b)fluoranthene
Concen: 19.715 ng
RT: 15.08 min Scan# 2209
Delta R.T. 0.02 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

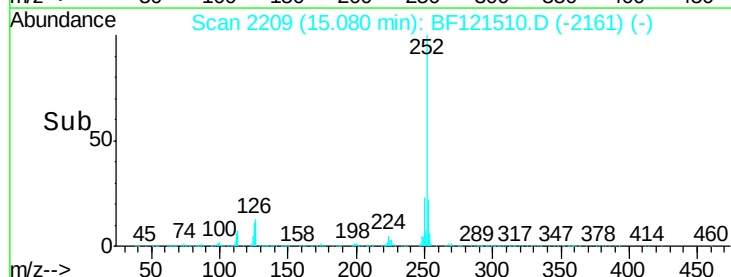
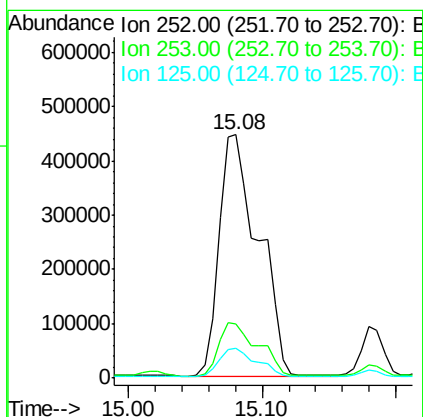
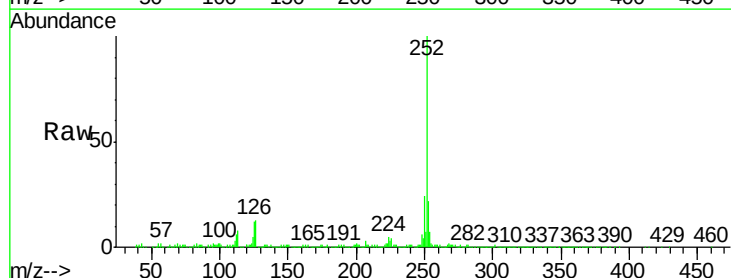
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-BDL

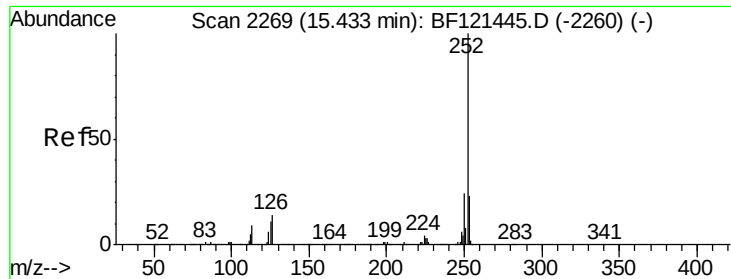
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.3	27.5
125	12.1	9.2	13.8



#89
Benzo(k)fluoranthene
Concen: 21.196 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.02 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.3	27.5
125	12.1	8.5	12.7

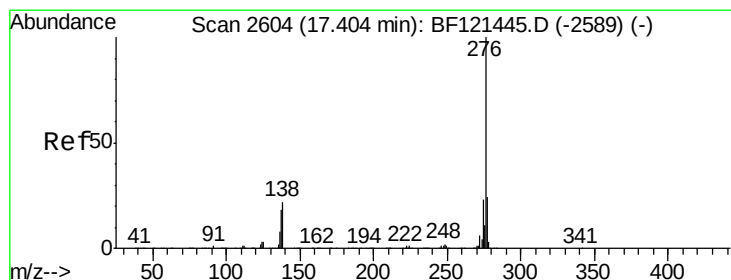
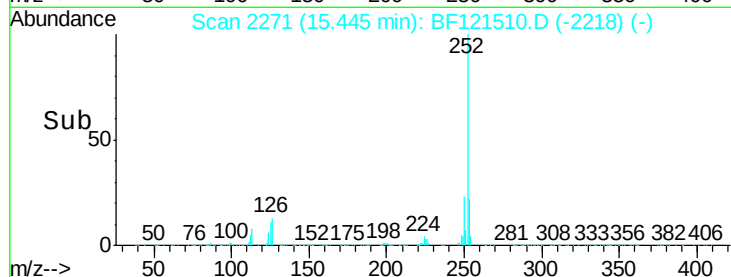
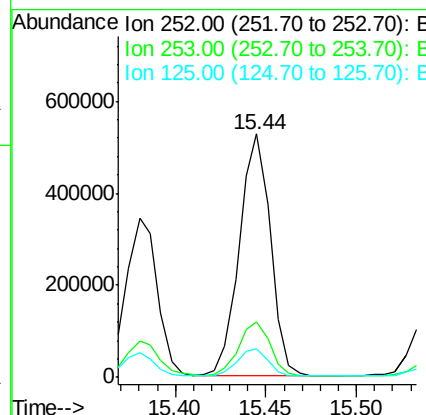
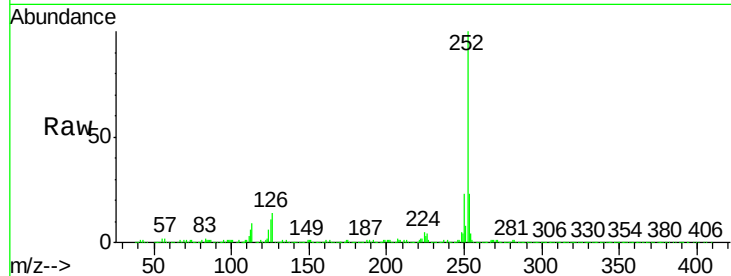




#90
Benzo(a)pyrene
Concen: 15.052 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

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

Tot Ion:252 Resp: 628796
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 11.5 9.0 13.4



#92
Benzo(g,h,i)perylene
Concen: 8.858 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.02 min
Lab File: BF121510.D
Acq: 1 Sep 2020 22:15

Tgt Ion:276 Resp: 306939
Ion Ratio Lower Upper
276 100
277 24.9 18.9 28.3
138 21.9 17.4 26.0

