

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
 Data File : BF121511.D
 Acq On : 1 Sep 2020 22:46
 Operator : JU/CG
 Sample : L3847-05DL 25X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Sep 02 00:38:49 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	280990	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1032961	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	501305	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	856642	20.00	ng	0.00
76) Chrysene-d12	14.03	240	672870	20.00	ng	0.00
86) Perylene-d12	15.51	264	755210	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	22820	1.36	ng	-0.01
7) Phenol-d6	6.47	99	33569	1.43	ng	-0.02
23) Nitrobenzene-d5	7.41	82	19371	1.28	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	7686	1.52	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	48004	1.55	ng	-0.01
79) Terphenyl-d14	12.97	244	42133	1.32	ng	0.00

Target Compounds

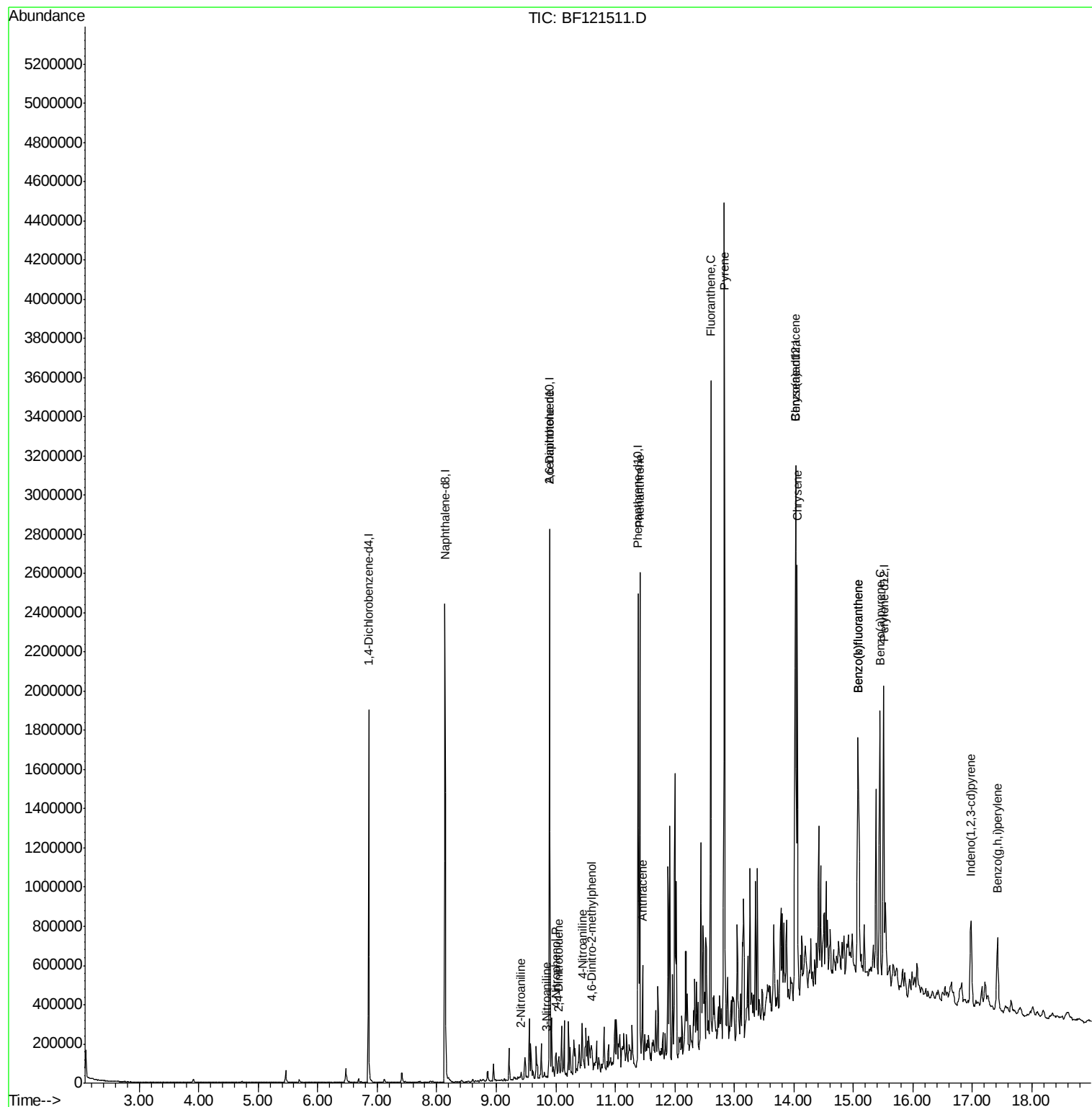
					Qvalue	
9) Benzaldehyde	6.40	77	454	Below Cal	#	81
48) 2-Nitroaniline	9.41	65	567	6.704 ng	#	38
51) 2,6-Dinitrotoluene	9.90	165	69234	15.712 ng	#	25
53) 3-Nitroaniline	9.85	138	121	5.465 ng	#	4
56) 4-Nitrophenol	10.00	139	3289	8.303 ng	#	48
57) 2,4-Dinitrotoluene	10.06	165	4957	7.805 ng	#	47
62) 4-Nitroaniline	10.45	138	716	4.612 ng	#	18
65) 4,6-Dinitro-2-methylphenol	10.60	198	129	5.471 ng	#	1
71) Phenanthrene	11.41	178	822798	18.716 ng		97
72) Anthracene	11.46	178	197040	4.557 ng		96
75) Fluoranthene	12.60	202	1241496	26.204 ng		96
78) Pyrene	12.83	202	1768499	36.802 ng		99
81) Benzo(a)anthracene	14.02	228	728944	17.746 ng		96
83) Chrysene	14.06	228	832189	20.251 ng		97
87) Indeno(1,2,3-cd)pyrene	16.97	276	301276	6.484 ng		95
88) Benzo(b)fluoranthene	15.07	252	969925	19.744 ng		99
89) Benzo(k)fluoranthene	15.07	252	969925	21.227 ng		99
90) Benzo(a)pyrene	15.44	252	666749	15.094 ng		99
92) Benzo(a,h,i)perylene	17.42	276	307780	8.400 ng		100

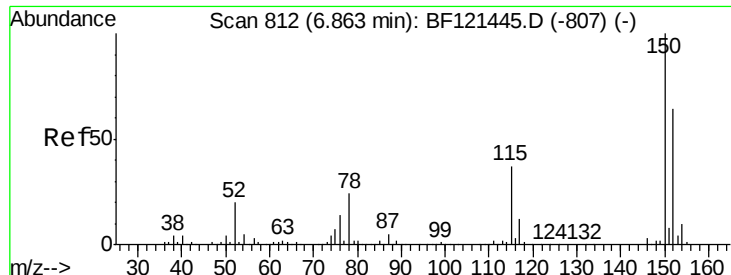
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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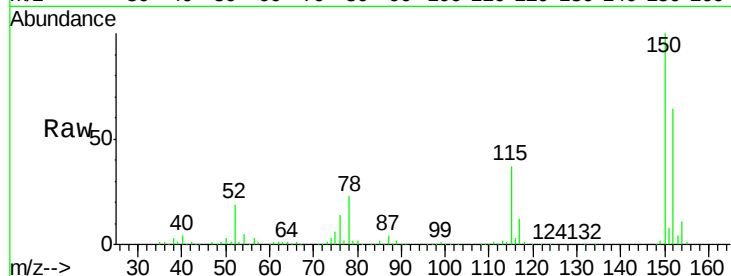




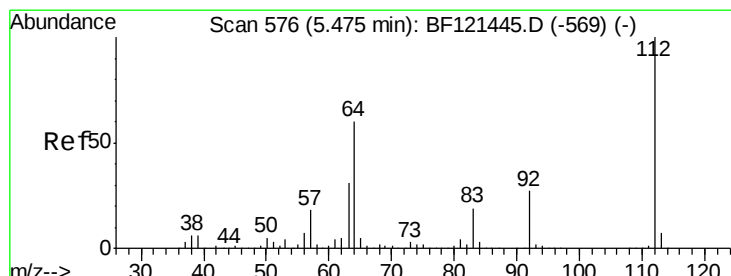
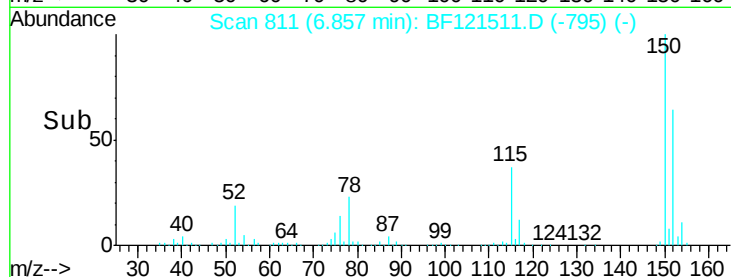
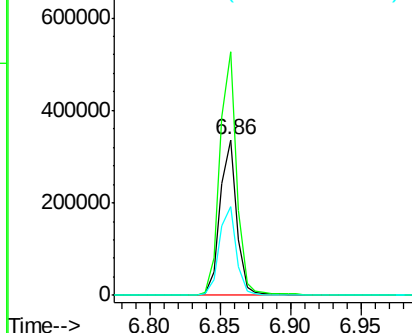
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF121511.D
 Acq: 1 Sep 2020 22:46

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

Tot Ion:152 Resp: 280990
 Ion Ratio Lower Upper
 152 100
 150 156.8 125.8 188.6
 115 57.5 46.6 69.8

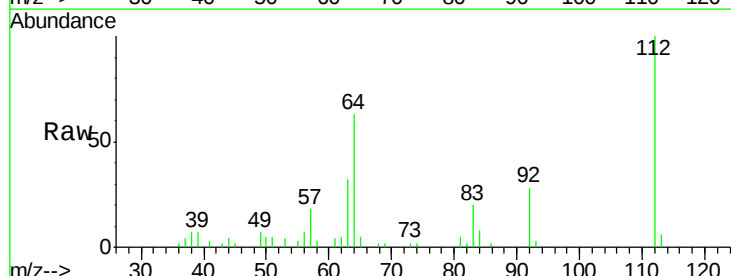


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

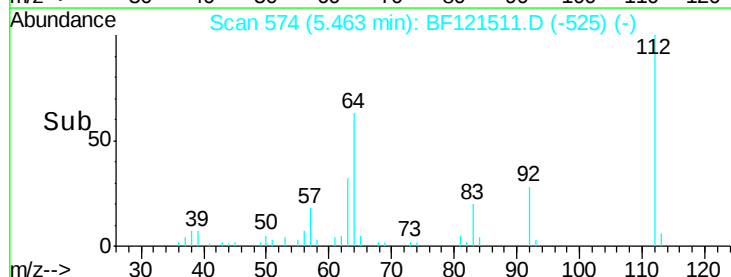
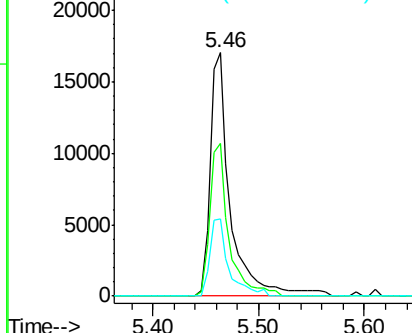


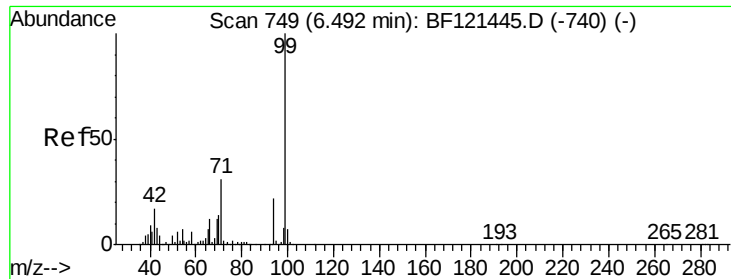
#5
 2-Fluorophenol
 Concen: 1.363 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF121511.D
 Acq: 1 Sep 2020 22:46

Tgt Ion:112 Resp: 22820
 Ion Ratio Lower Upper
 112 100
 64 62.9 48.2 72.2
 63 31.8 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: 1.434 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF121511.D

Acq: 1 Sep 2020 22:46

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-CDL

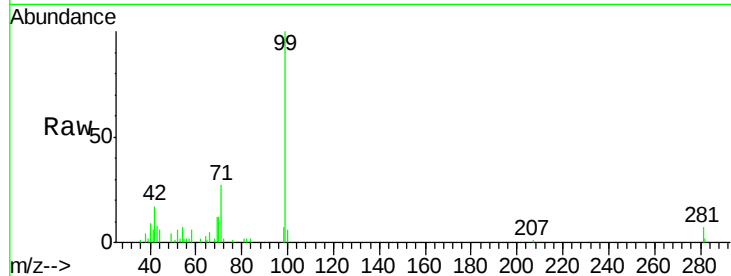
Tot Ion: 99 Resp: 33569

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

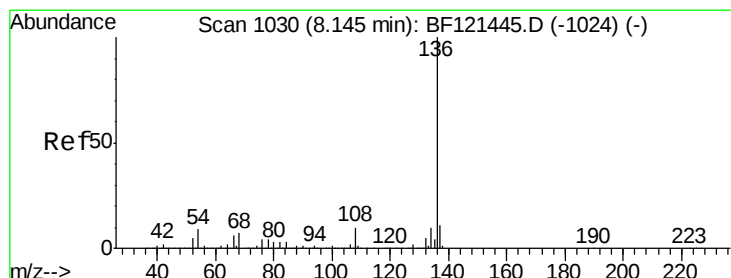
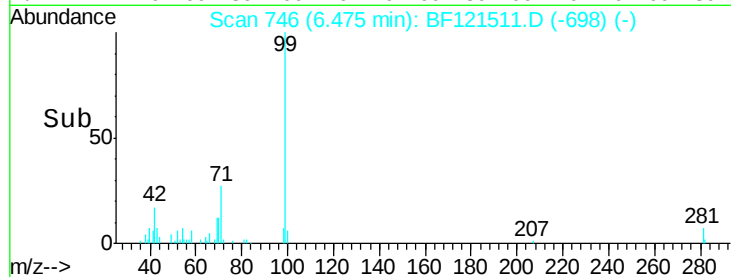
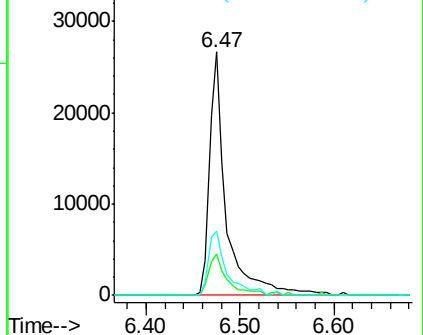
71 26.6 24.6 37.0



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: BF121511.D

Acq: 1 Sep 2020 22:46

Tgt Ion: 136 Resp: 1032961

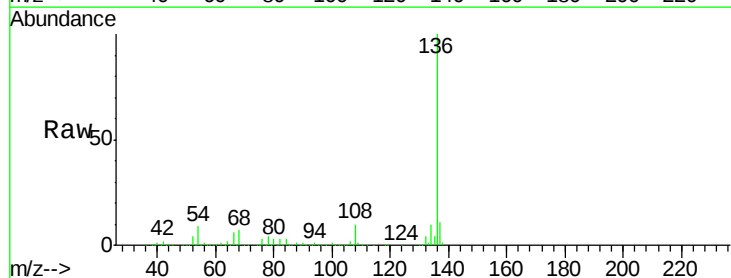
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.5 7.0 10.4

68 7.0 5.5 8.3

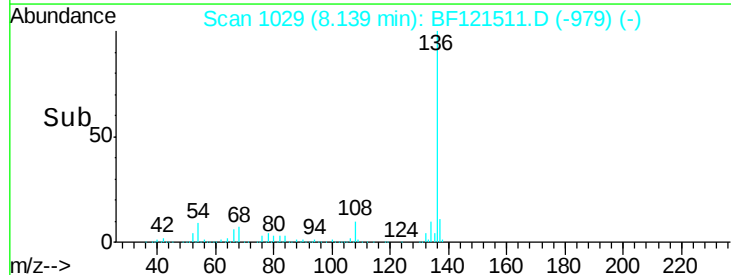
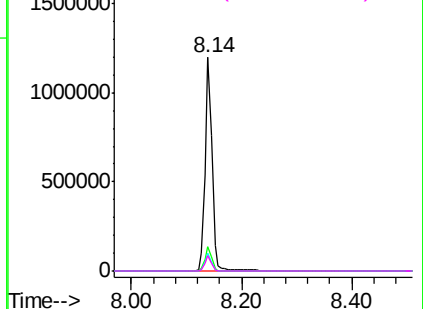


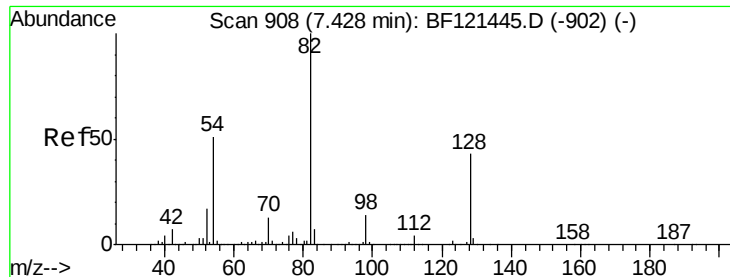
Abundance Ion 136.00 (135.70 to 136.70): E

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

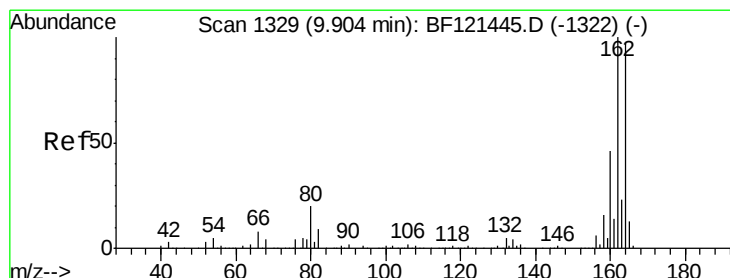
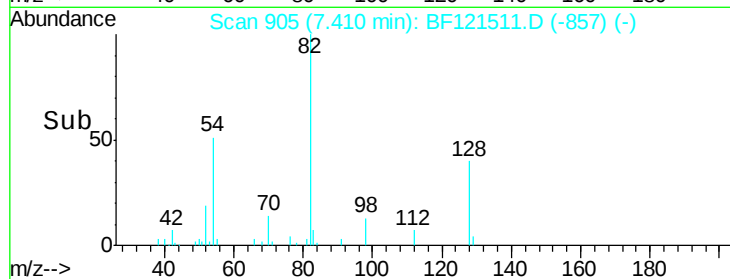
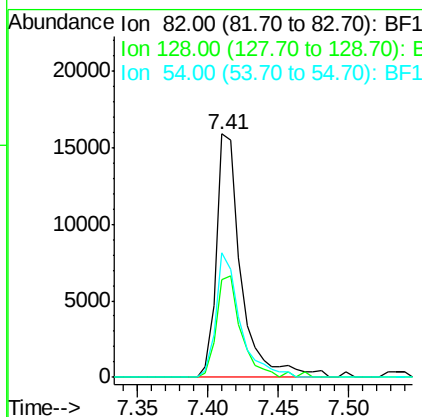
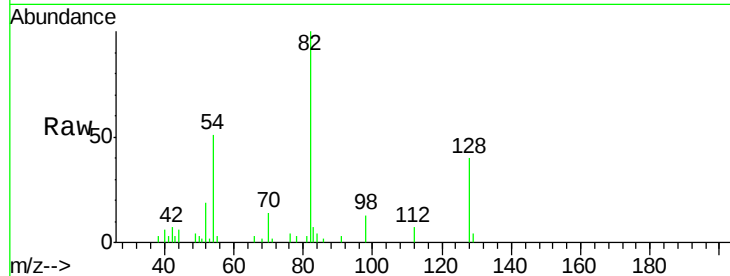




#23
 Nitrobenzene-d5
 Concen: 1.282 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF121511.D
 Acq: 1 Sep 2020 22:46

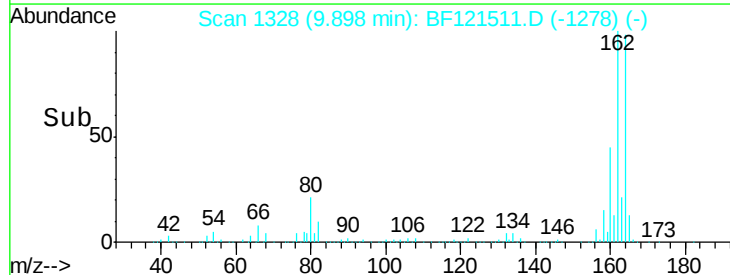
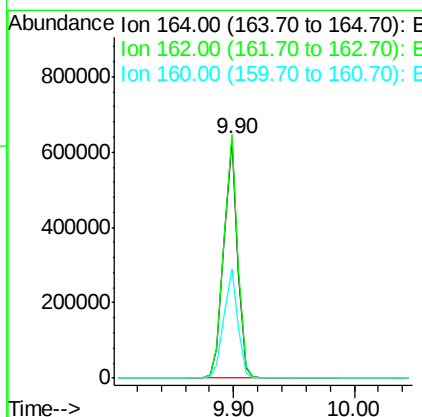
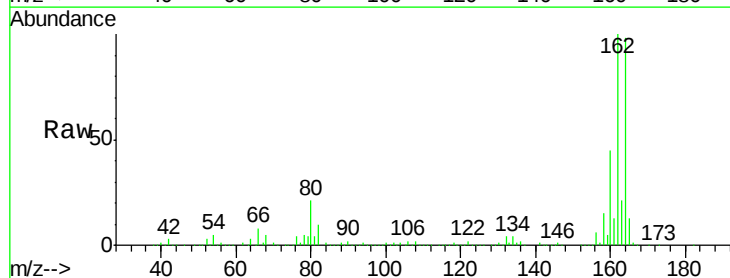
Instrument :
 BNA_F
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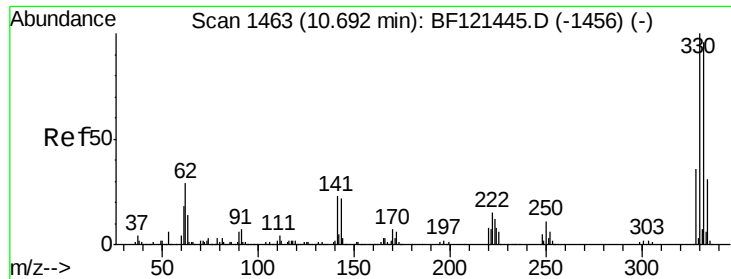
Tot Ion	82	Resp	19371
Ion Ratio	Lower	Upper	
82	100		
128	40.2	34.1	51.1
54	51.1	41.0	61.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF121511.D
 Acq: 1 Sep 2020 22:46

Tgt Ion	164	Resp	501305
Ion Ratio	Lower	Upper	
164	100		
162	102.0	82.4	123.6
160	45.5	37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 1.518 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF121511.D

Acq: 1 Sep 2020 22:46

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-CDL

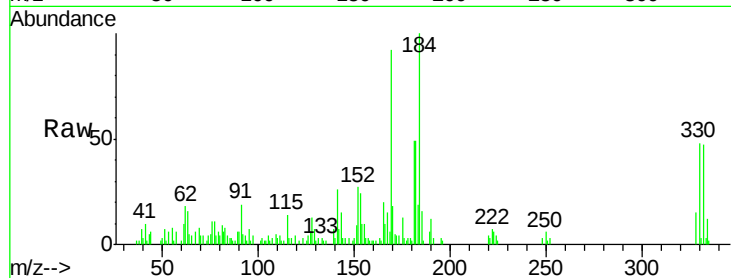
Tot Ion:330 Resp: 7686

Ion Ratio Lower Upper

330 100

332 95.8 76.2 114.2

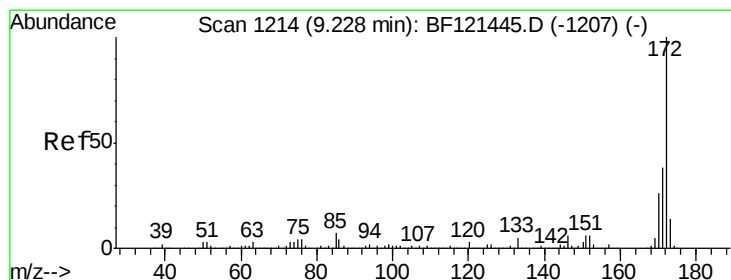
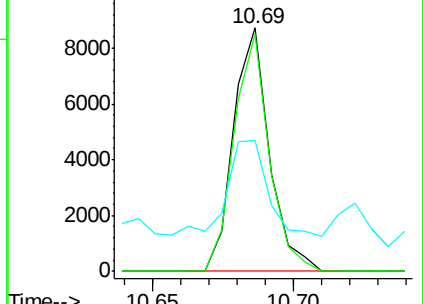
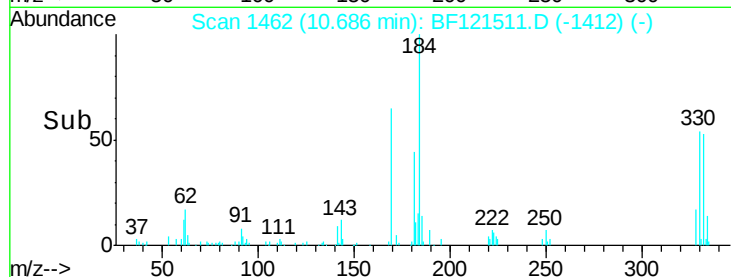
141 48.9 24.6 36.8#



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: 1.545 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BF121511.D

Acq: 1 Sep 2020 22:46

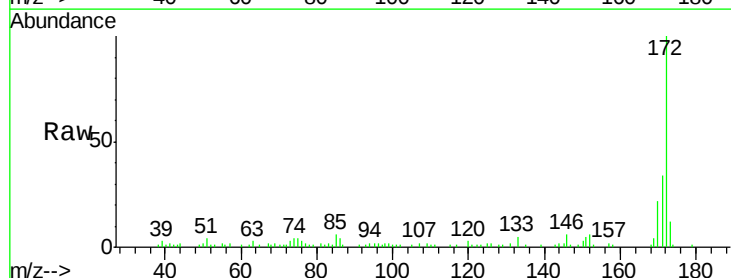
Tgt Ion:172 Resp: 48004

Ion Ratio Lower Upper

172 100

171 33.9 30.6 45.8

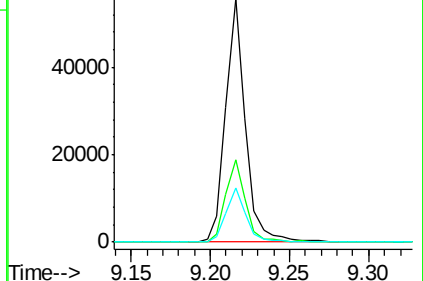
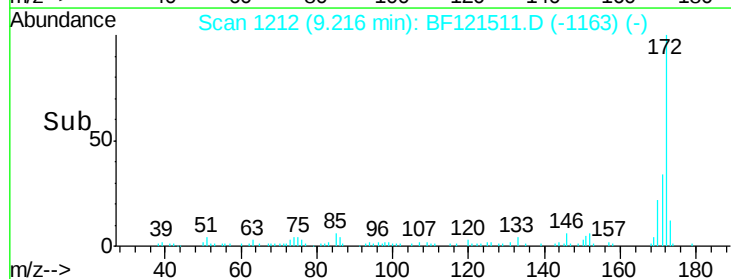
170 22.0 20.6 31.0

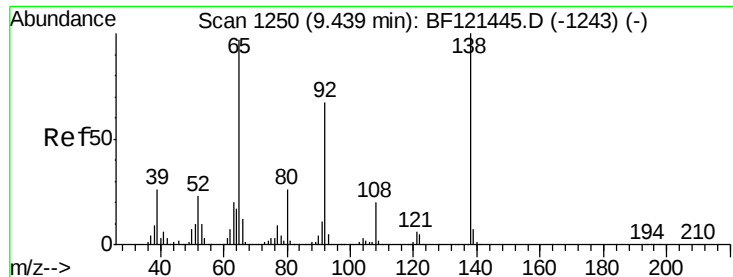


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

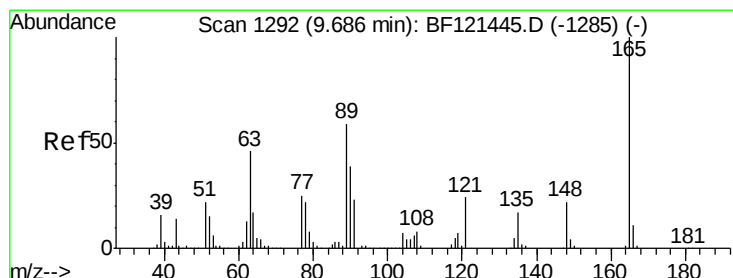
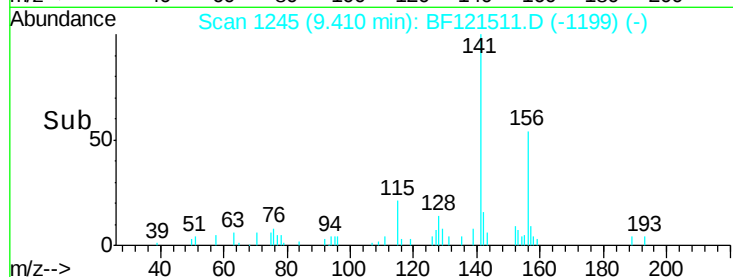
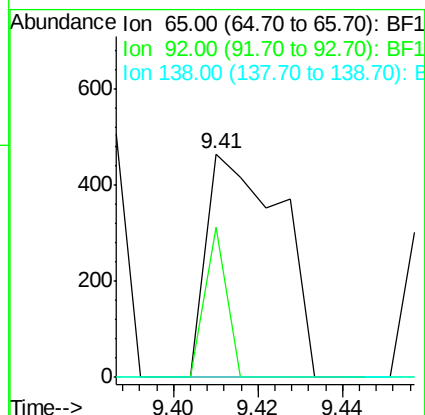
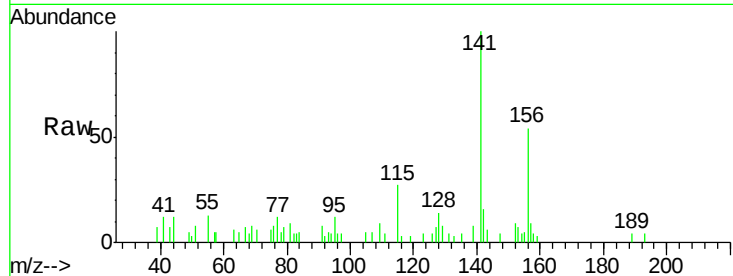




#48
 2-Nitroaniline
 Concen: 6.704 ng
 RT: 9.41 min Scan# 1245
 Delta R.T. -0.03 min
 Lab File: BF121511.D
 Acq: 1 Sep 2020 22:46

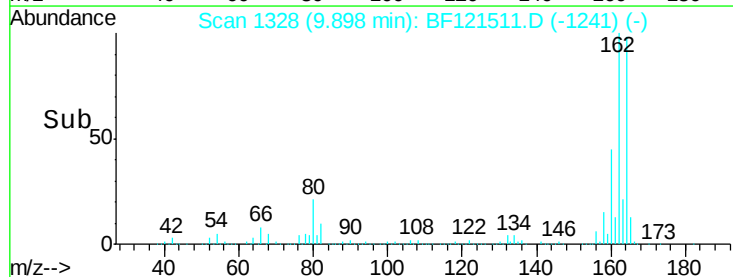
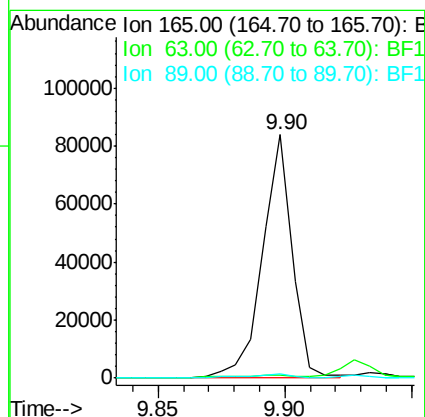
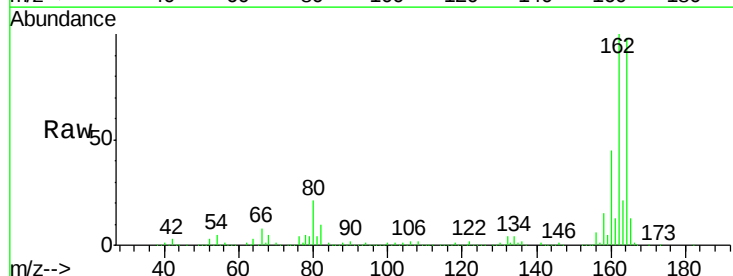
Instrument :
 BNA_F
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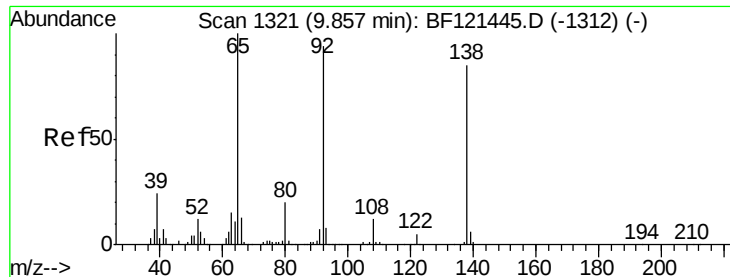
Tot Ion: 65 Resp: 567
 Ion Ratio Lower Upper
 65 100
 92 67.1 55.6 83.4
 138 0.0 82.9 124.3#



#51
 2,6-Dinitrotoluene
 Concen: 15.712 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF121511.D
 Acq: 1 Sep 2020 22:46

Tgt Ion:165 Resp: 69234
 Ion Ratio Lower Upper
 165 100
 63 1.4 43.6 65.4#
 89 1.7 47.4 71.2#

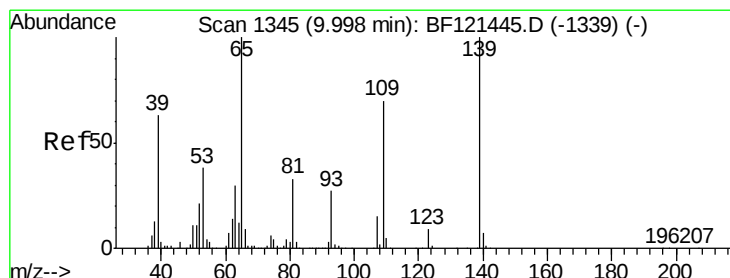
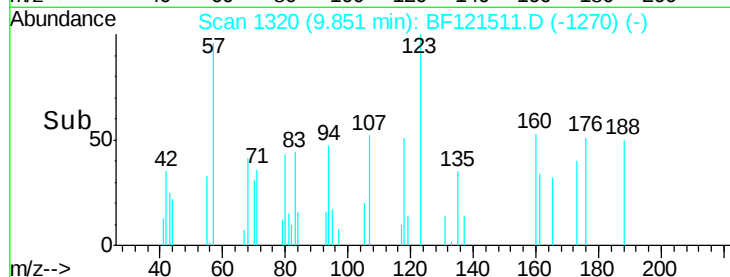
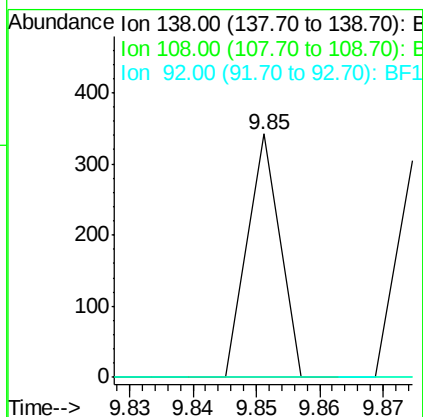
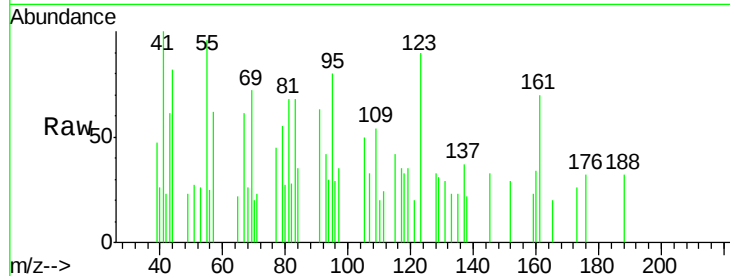




#53
3-Nitroaniline
Concen: 5.465 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

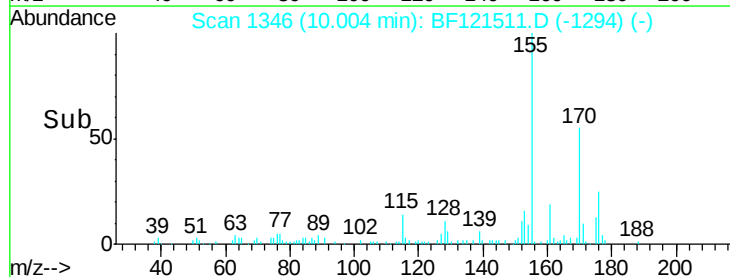
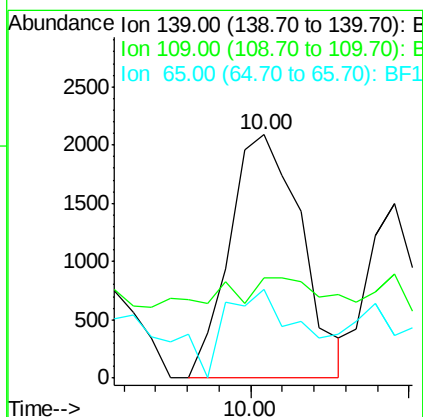
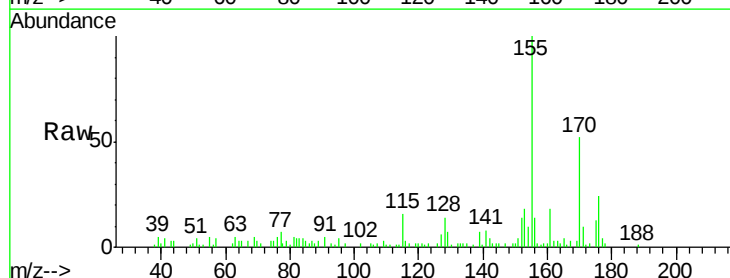
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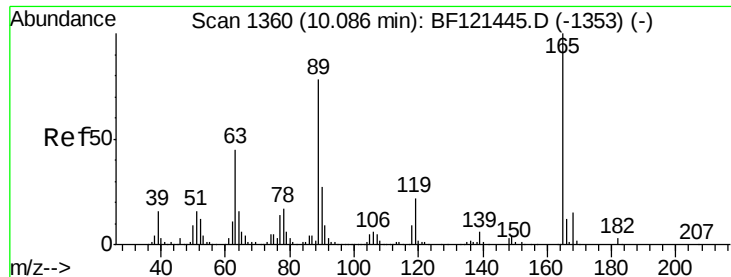
Tot Ion:138 Resp: 121
Ion Ratio Lower Upper
138 100
108 0.0 11.6 17.4#
92 0.0 88.6 132.8#



#56
4-Nitrophenol
Concen: 8.303 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:139 Resp: 3289
Ion Ratio Lower Upper
139 100
109 41.2 50.5 90.5#
65 36.5 80.2 120.2#

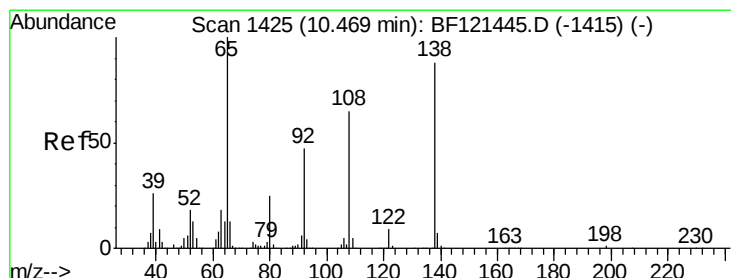
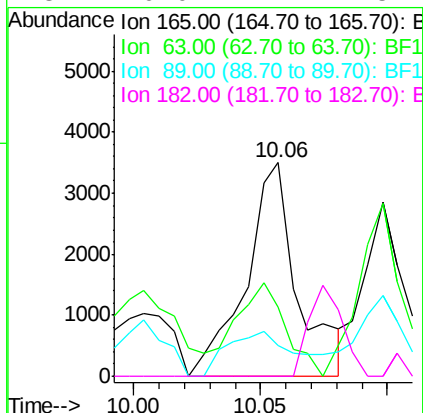
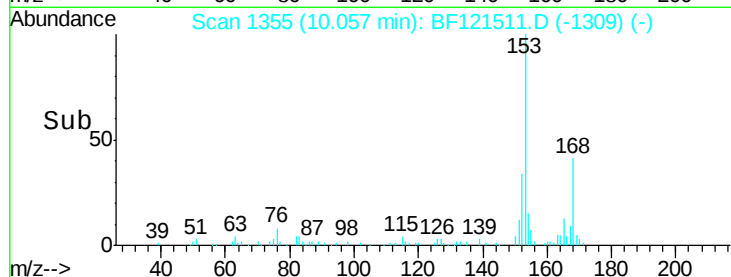
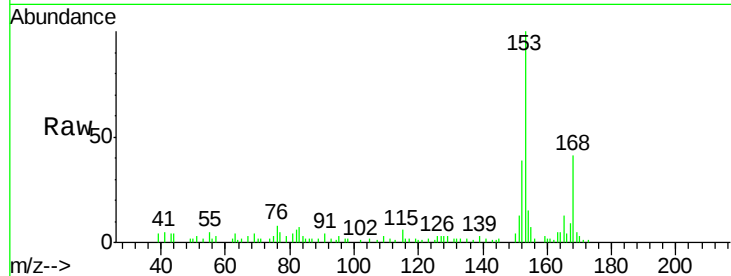




#57
 2,4-Dinitrotoluene
 Concen: 7.805 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. -0.03 min
 Lab File: BF121511.D
 Acq: 1 Sep 2020 22:46

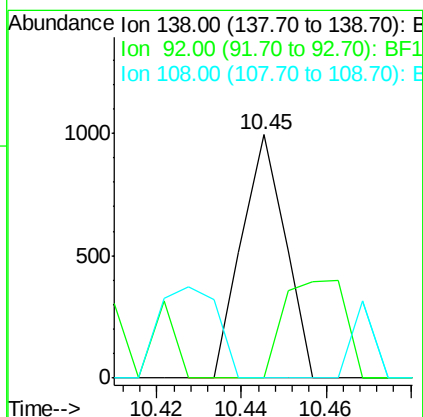
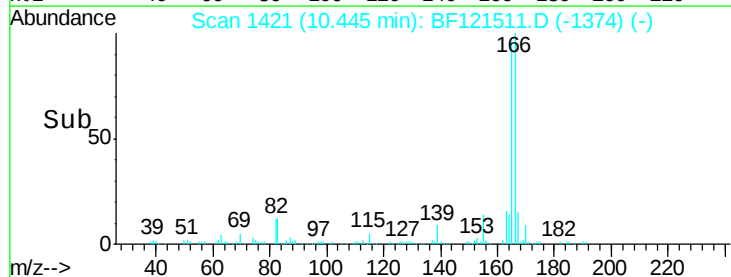
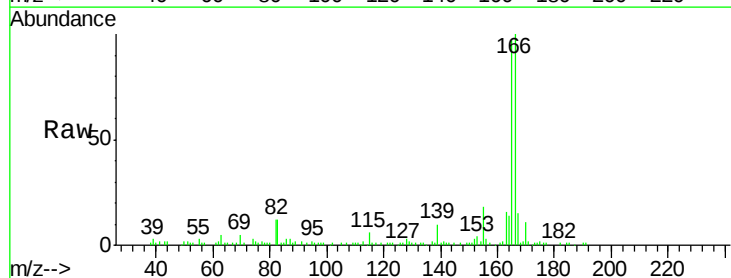
Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-08-CDL

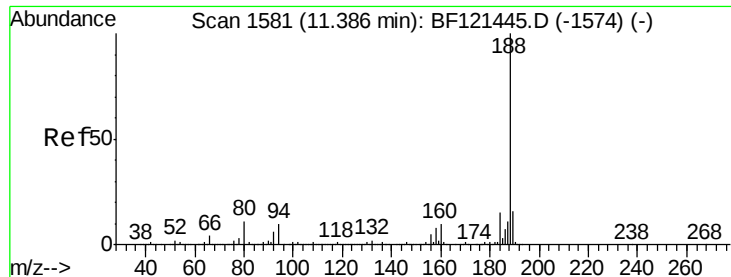
Tot Ion:165 Resp: 4957
 Ion Ratio Lower Upper
 165 100
 63 32.3 36.0 54.0#
 89 14.3 62.6 93.8#
 182 0.0 2.2 3.2#



#62
 4-Nitroaniline
 Concen: 4.612 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.02 min
 Lab File: BF121511.D
 Acq: 1 Sep 2020 22:46

Tgt Ion:138 Resp: 716
 Ion Ratio Lower Upper
 138 100
 92 0.0 33.2 73.2#
 108 0.0 53.6 93.6#

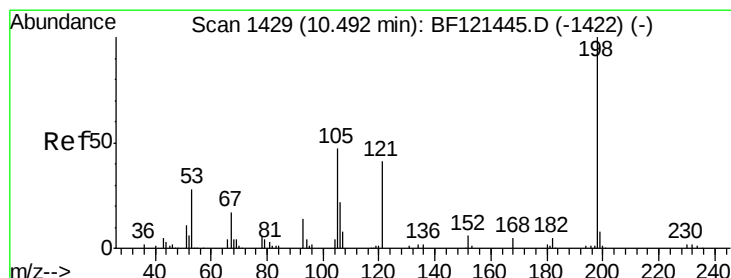
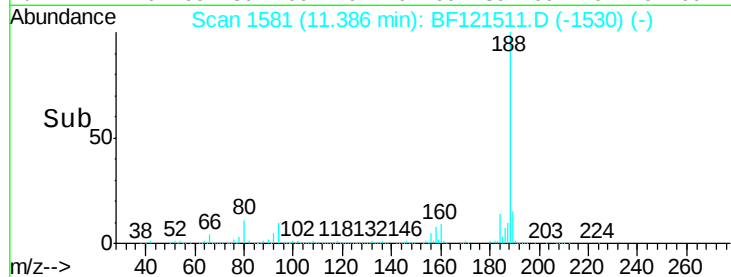
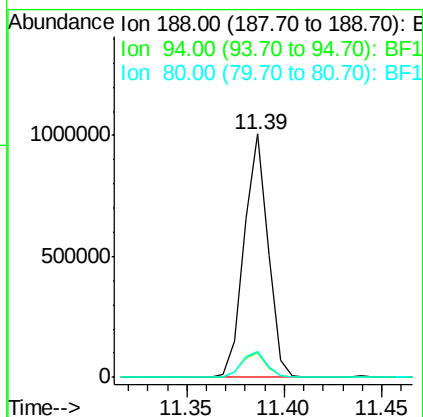
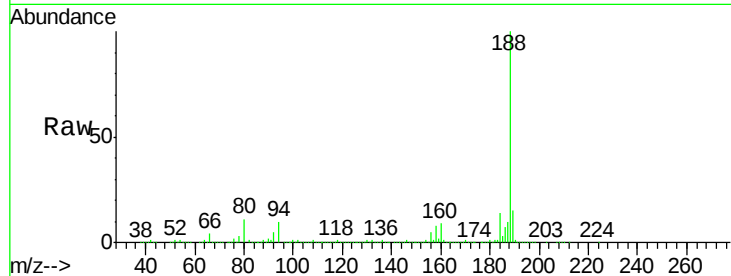




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

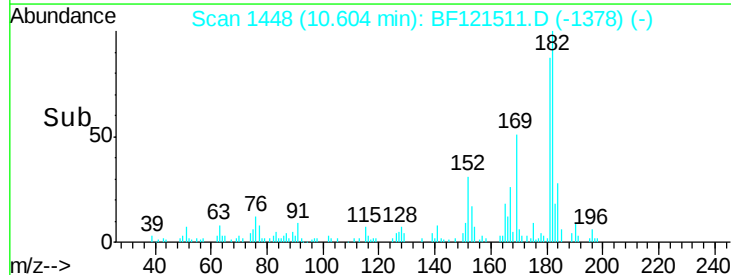
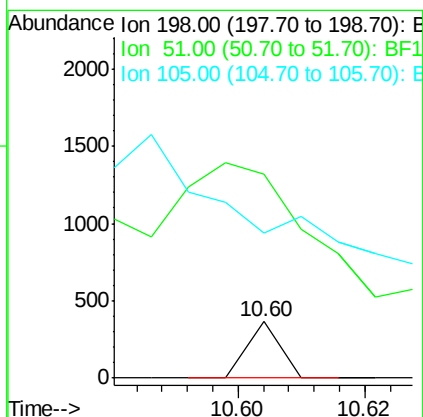
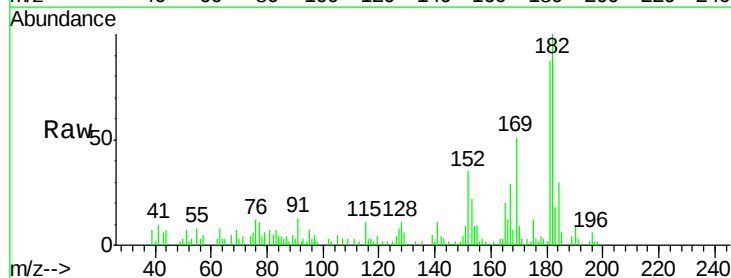
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

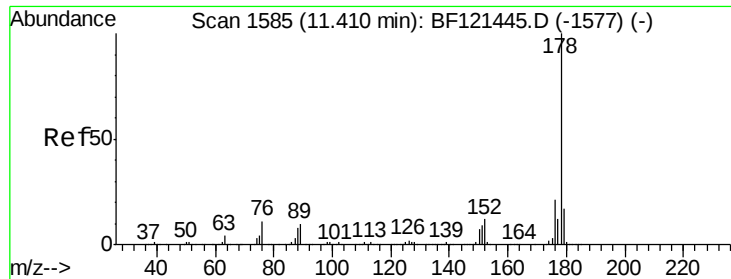
Tot Ion:188 Resp: 856642
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 10.7 8.6 13.0



#65
4,6-Dinitro-2-methylphenol
Concen: 5.471 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.11 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:198 Resp: 129
Ion Ratio Lower Upper
198 100
51 360.5 29.0 69.0#
105 256.7 29.1 69.1#





#71

Phenanthrene

Concen: 18.716 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF121511.D

Acq: 1 Sep 2020 22:46

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-CDL

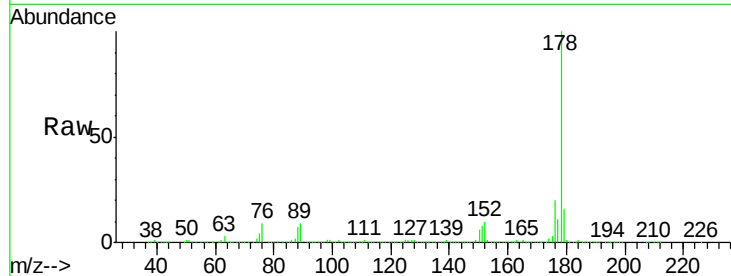
Tot Ion:178 Resp: 822798

Ion Ratio Lower Upper

178 100

176 19.5 16.9 25.3

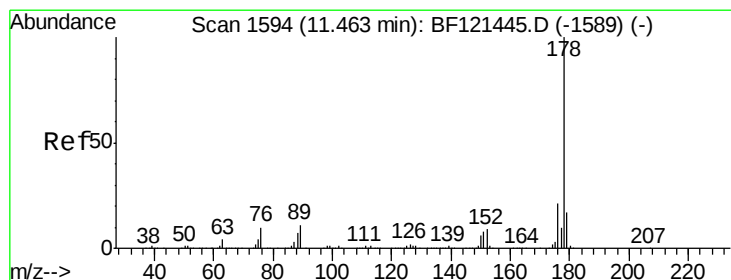
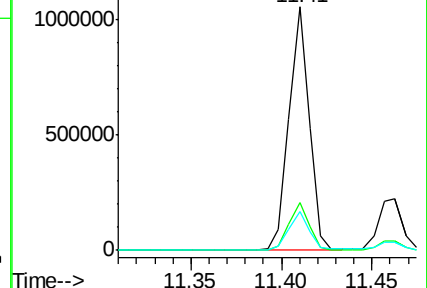
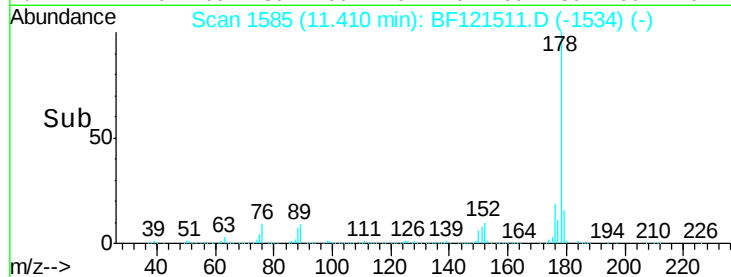
179 16.1 13.4 20.0



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: 4.557 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF121511.D

Acq: 1 Sep 2020 22:46

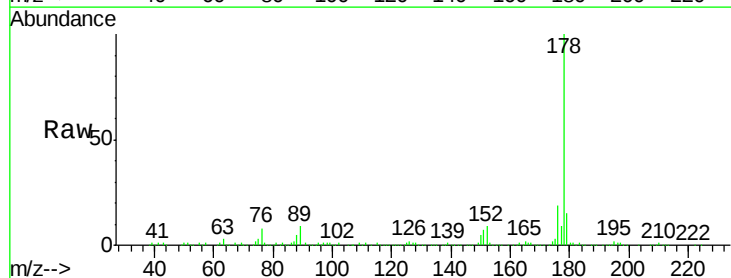
Tgt Ion:178 Resp: 197040

Ion Ratio Lower Upper

178 100

176 18.6 16.7 25.1

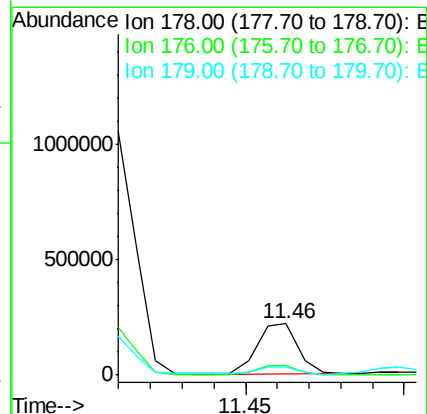
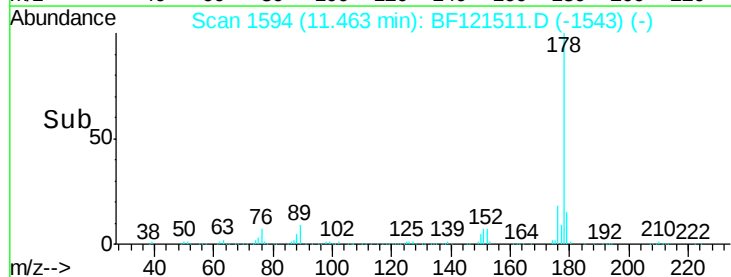
179 15.2 13.4 20.2

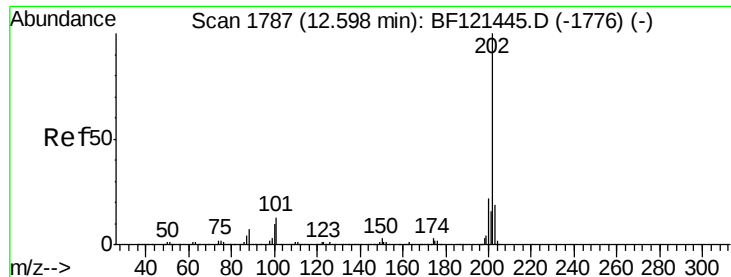


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 26.204 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF121511.D

Acq: 1 Sep 2020 22:46

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-CDL

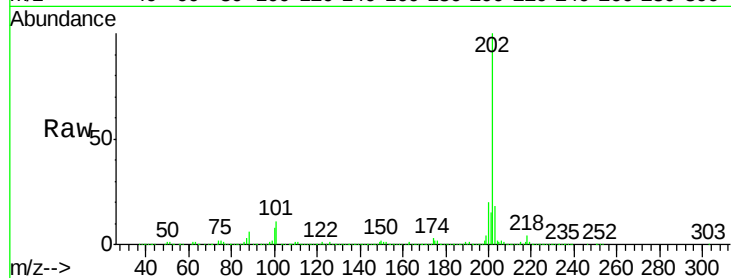
Tot Ion:202 Resp: 1241496

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.3

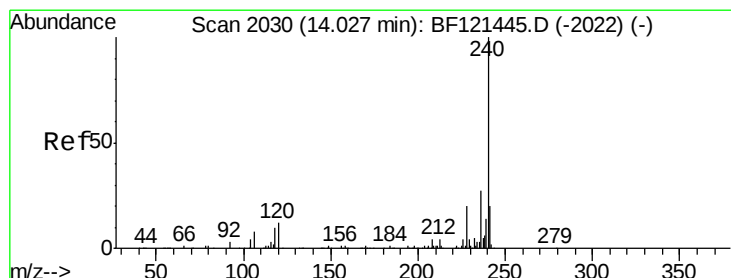
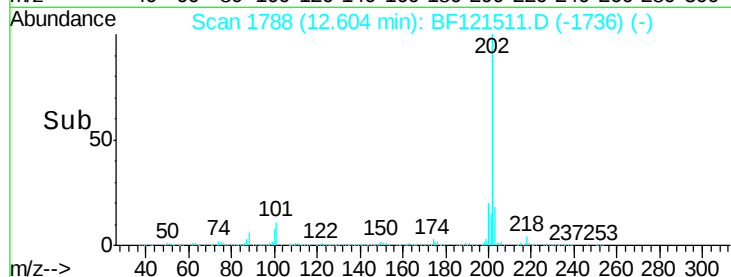
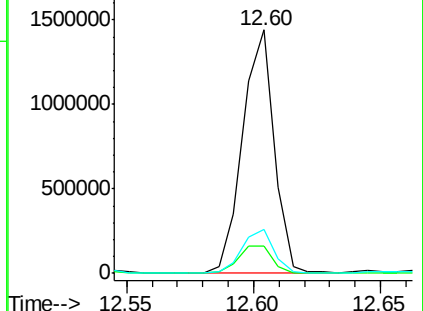
203 18.0 0.0 39.1



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: BF121511.D

Acq: 1 Sep 2020 22:46

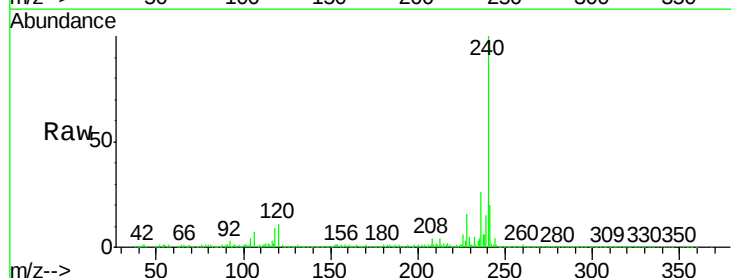
Tgt Ion:240 Resp: 672870

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

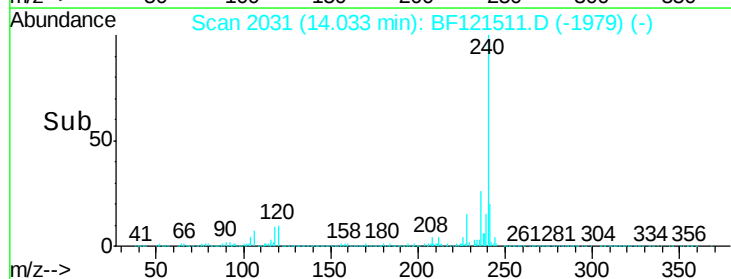
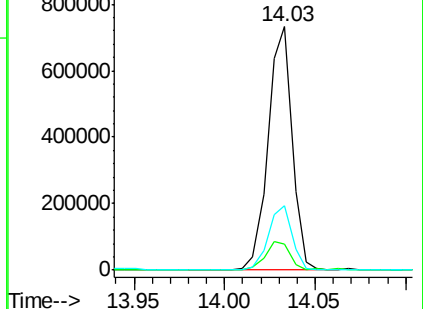
236 26.3 21.8 32.6

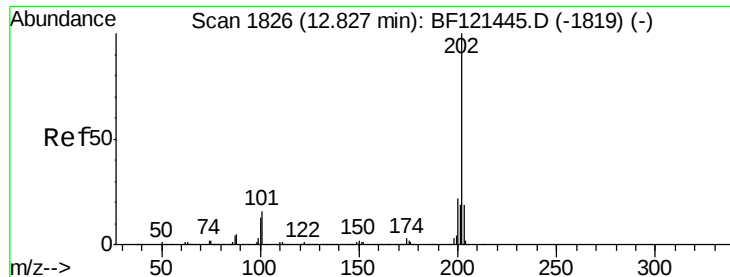


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

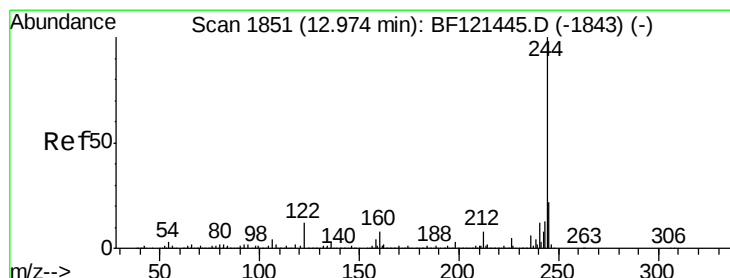
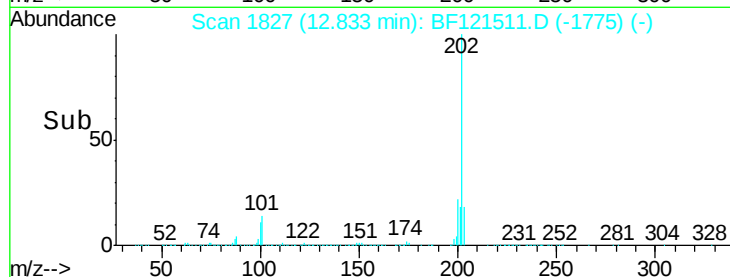
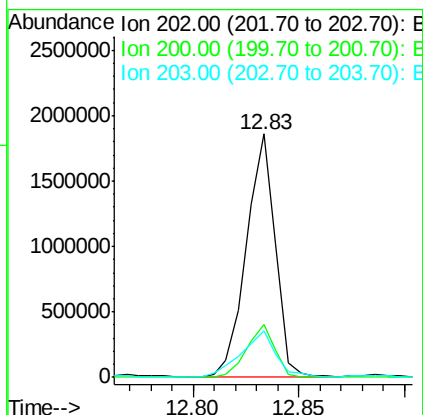
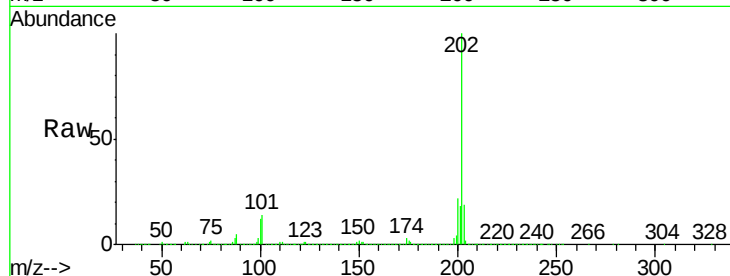




#78
Pvrene
Concen: 36.802 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

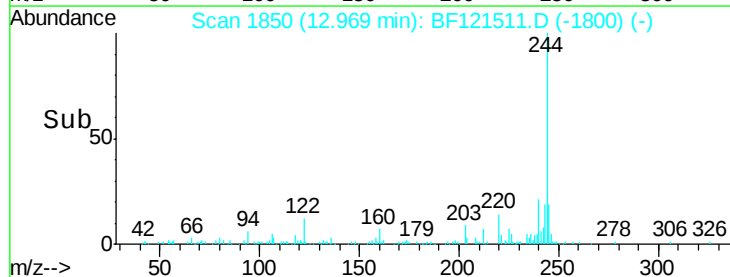
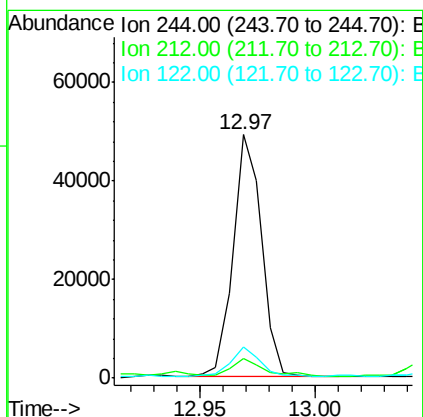
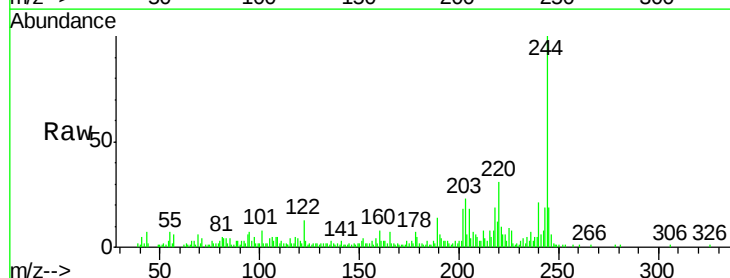
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

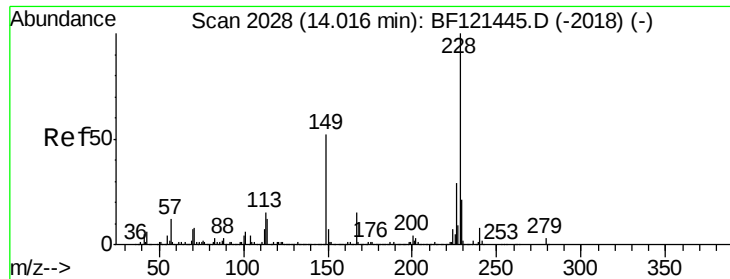
Tot Ion:202 Resp: 1768499
Ion Ratio Lower Upper
202 100
200 21.6 18.0 27.0
203 18.8 15.3 22.9



#79
Terphenyl-d14
Concen: 1.318 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:244 Resp: 42133
Ion Ratio Lower Upper
244 100
212 7.9 6.3 9.5
122 12.8 9.5 14.3

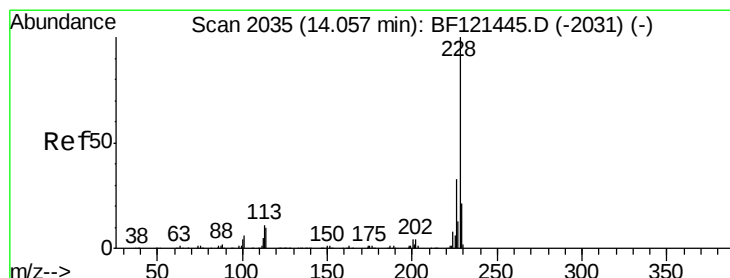
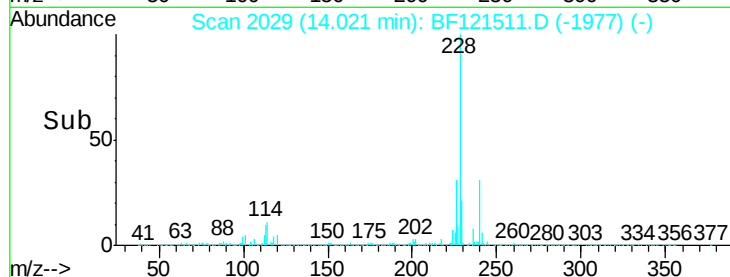
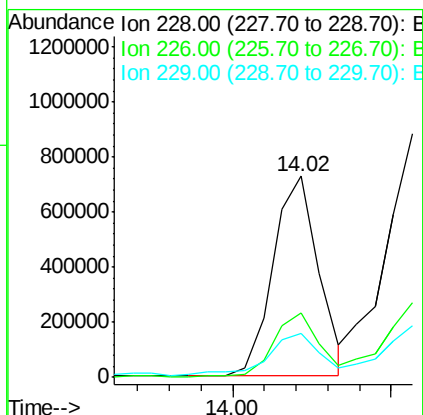
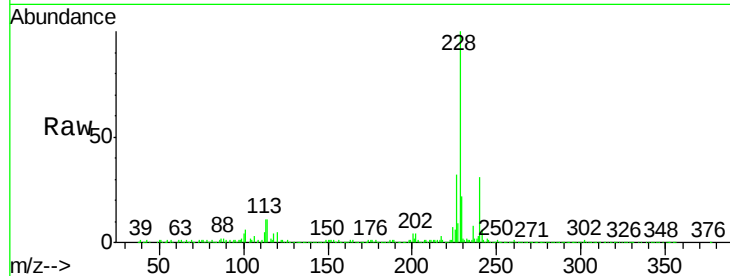




#81
Benzo(a)anthracene
Concen: 17.746 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

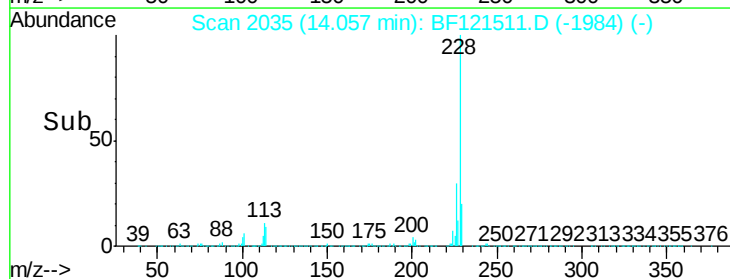
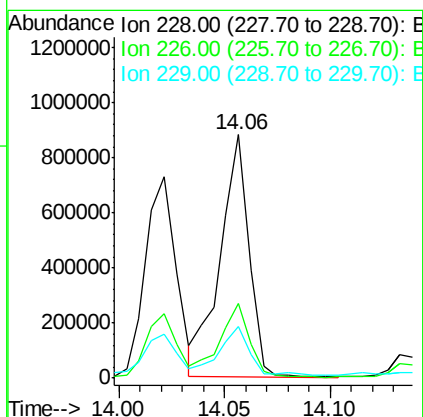
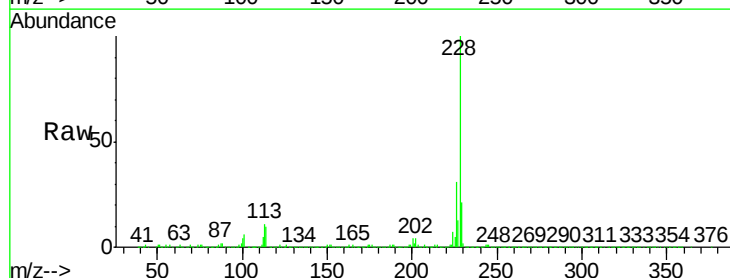
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

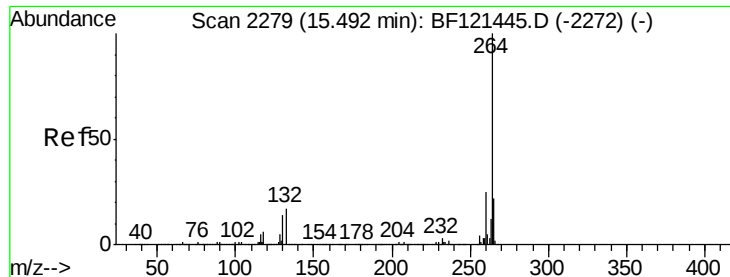
Tot Ion:228 Resp: 728944
Ion Ratio Lower Upper
228 100
226 31.7 23.0 34.4
229 21.8 16.6 24.8



#83
Chrysene
Concen: 20.251 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:228 Resp: 832189
Ion Ratio Lower Upper
228 100
226 30.6 26.2 39.2
229 21.3 16.6 25.0

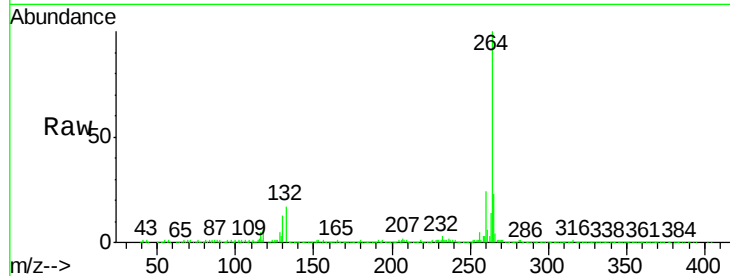




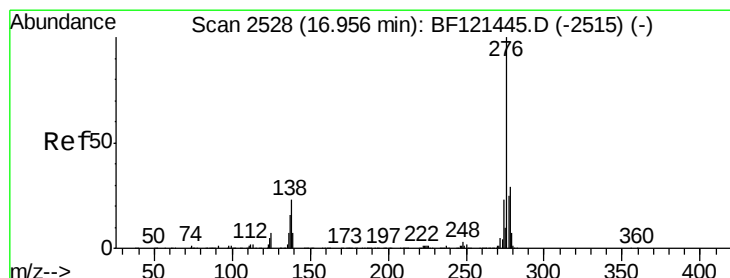
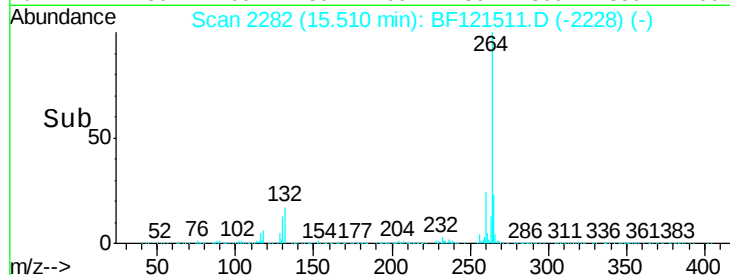
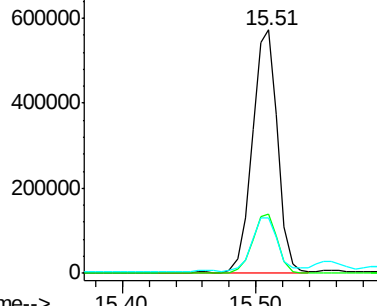
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.02 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

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

Tot Ion:264	Resp: 755210
Ion Ratio	Lower Upper
264 100	
260 24.5	19.6 29.4
265 23.0	17.8 26.6

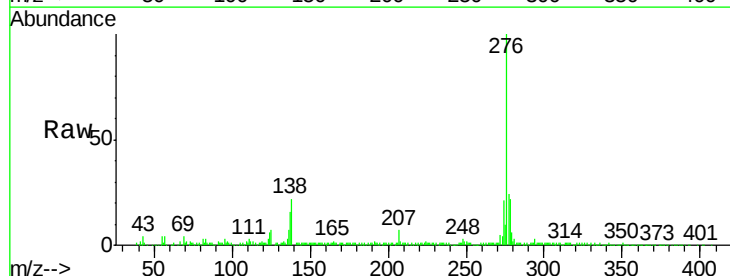


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

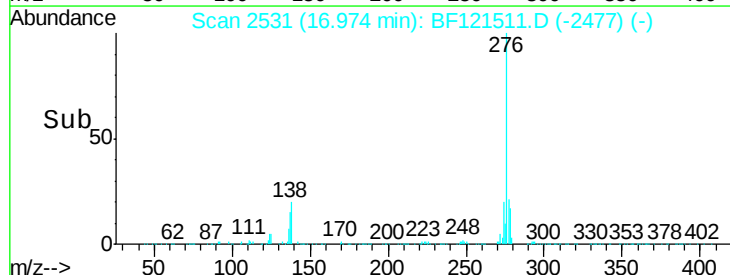
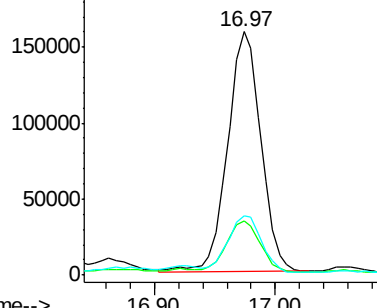


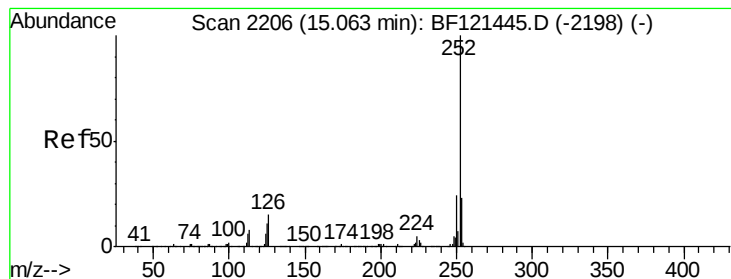
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.484 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt	Ion:276	Resp:	301276
Ion	Ratio	Lower	Upper
276	100		
138	22.0	20.6	31.0
277	24.3	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: 19.744 ng

RT: 15.07 min Scan# 2208

Delta R.T. 0.01 min

Lab File: BF121511.D

Acq: 1 Sep 2020 22:46

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-08-CDL

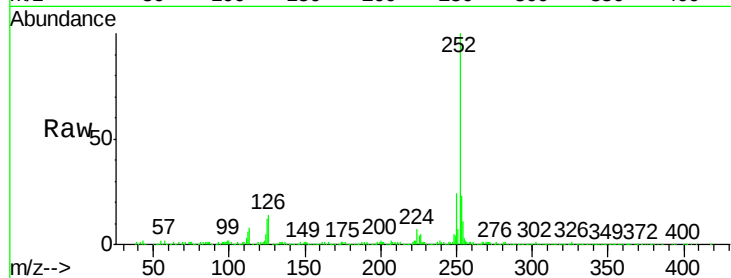
Tot Ion:252 Resp: 969925

Ion Ratio Lower Upper

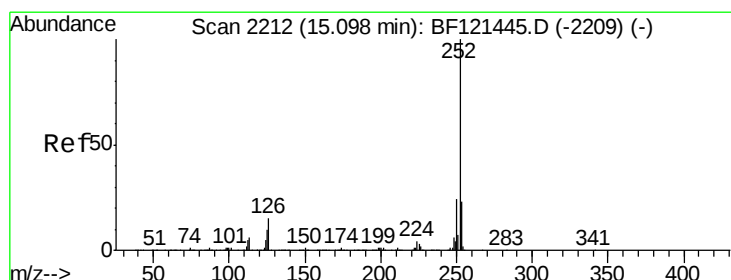
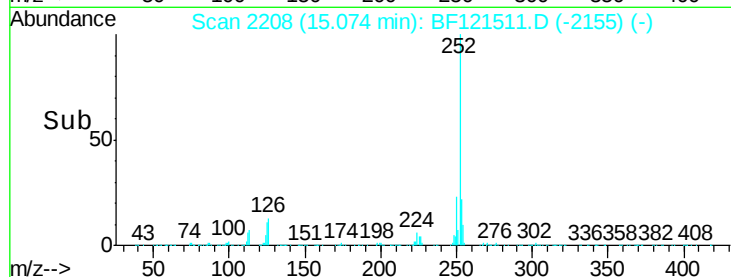
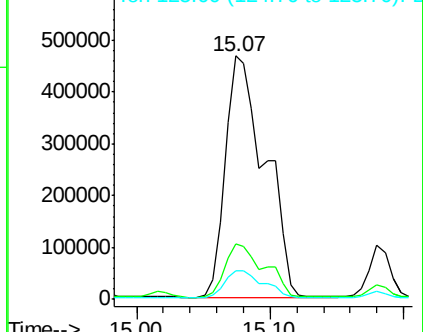
252 100

253 22.6 18.3 27.5

125 11.6 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: 21.227 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BF121511.D

Acq: 1 Sep 2020 22:46

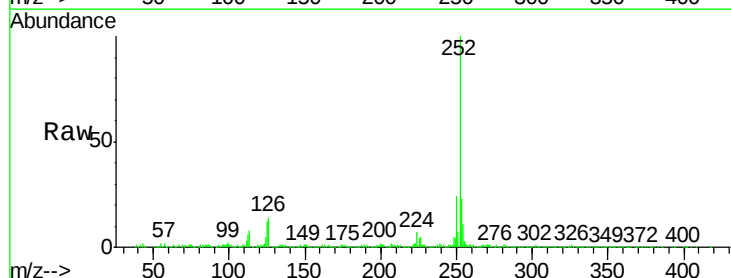
Tgt Ion:252 Resp: 969925

Ion Ratio Lower Upper

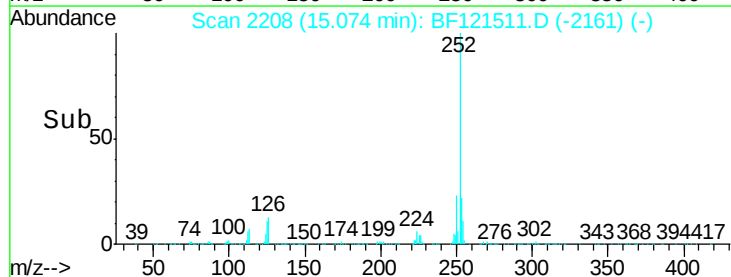
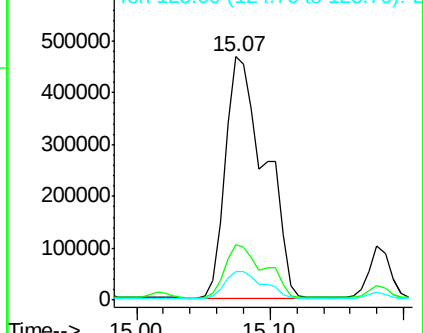
252 100

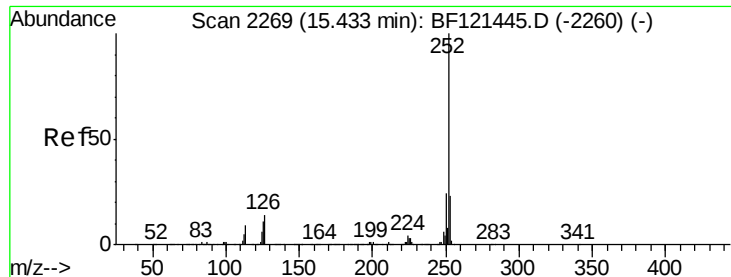
253 22.6 18.3 27.5

125 11.6 8.5 12.7



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

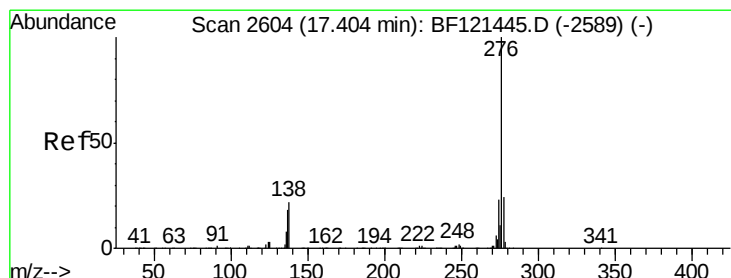
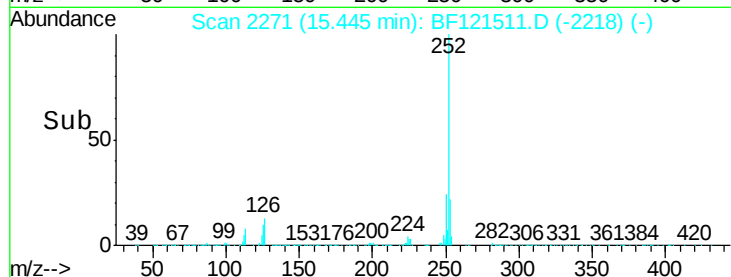
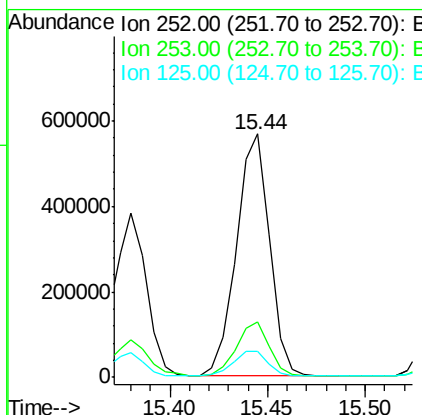
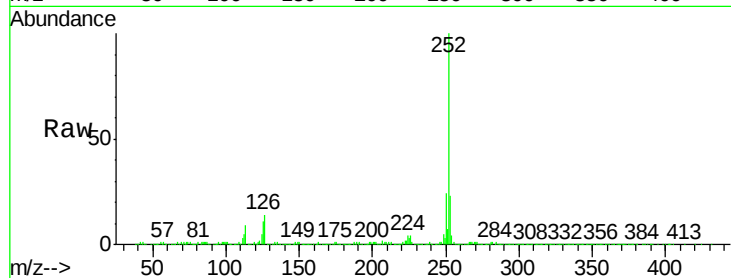




#90
Benzo(a)pyrene
Concen: 15.094 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

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

Tot Ion:252 Resp: 666749
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 10.9 9.0 13.4



#92
Benzo(g,h,i)perylene
Concen: 8.400 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.02 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:276 Resp: 307780
Ion Ratio Lower Upper
276 100
277 23.4 18.9 28.3
138 21.9 17.4 26.0

