

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
 Data File : BF121505.D
 Acq On : 1 Sep 2020 19:39
 Operator : JU/CG
 Sample : L2848-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-04-A

Quant Time: Sep 02 00:35:56 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	275149	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1033601	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	502663	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	827542	20.00	ng	0.00
76) Chrysene-d12	14.03	240	631643	20.00	ng	0.00
86) Perylene-d12	15.50	264	714224	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1120035	68.30	ng	0.00
7) Phenol-d6	6.48	99	1424548	62.16	ng	-0.01
23) Nitrobenzene-d5	7.42	82	905004	59.86	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	359808	70.87	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1688530	54.20	ng	-0.01
79) Terphenyl-d14	12.97	244	1377690	45.91	ng	0.00

Target Compounds

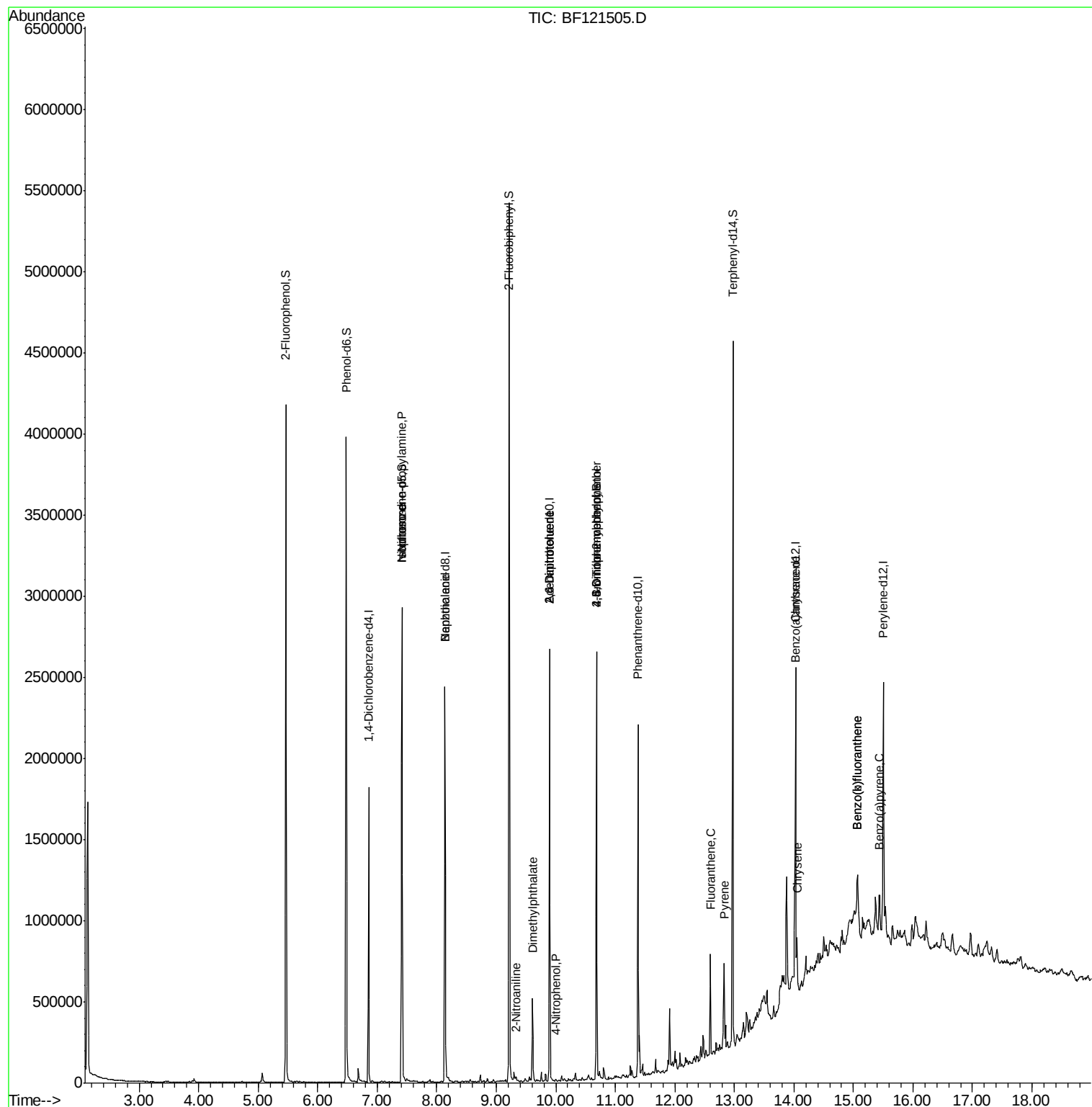
						Qvalue
9) Benzaldehyde	6.40	77	282	Below Cal	#	47
19) n-Nitroso-di-n-propylamine	7.42	70	118607	9.261 ng	#	77
25) Isophorone	7.42	82	890517	26.187 ng	#	64
32) Benzoic acid	8.14	122	132	6.679 ng	#	1
48) 2-Nitroaniline	9.33	65	407	6.688 ng	#	5
50) Dimethylphthalate	9.61	163	190573	5.519 ng		98
51) 2,6-Dinitrotoluene	9.90	165	66285	15.292 ng	#	25
56) 4-Nitrophenol	10.00	139	122	7.873 ng	#	6
57) 2,4-Dinitrotoluene	9.90	165	66285	14.335 ng	#	21
65) 4,6-Dinitro-2-methylphenol	10.68	198	724	5.917 ng	#	1
67) 4-Bromophenyl-phenylether	10.69	248	21097	2.317 ng	#	1
75) Fluoranthene	12.60	202	228752	4.998 ng		96
78) Pyrene	12.83	202	230577	5.111 ng		96
81) Benzo(a)anthracene	14.02	228	139831	3.626 ng		96
83) Chrysene	14.05	228	116504	3.020 ng		97
88) Benzo(b)fluoranthene	15.07	252	228094	4.909 ng	#	94
89) Benzo(k)fluoranthene	15.07	252	228094	5.278 ng	#	94
90) Benzo(a)pyrene	15.43	252	131789	3.155 ng	#	92

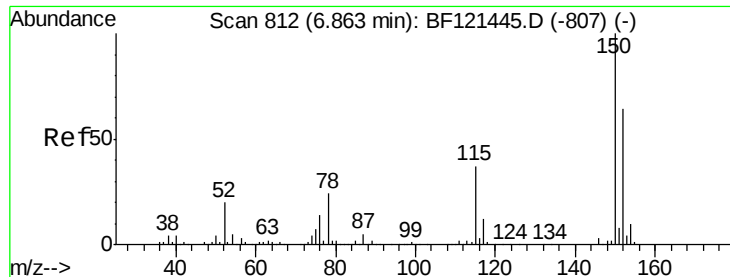
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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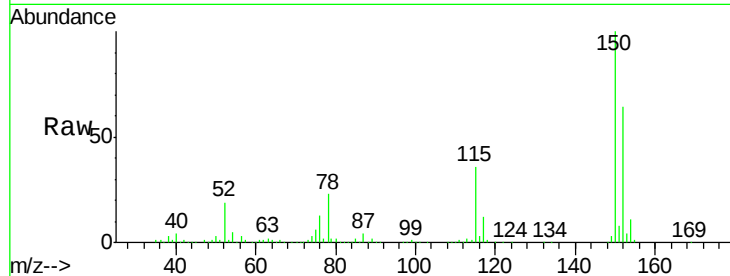


#1

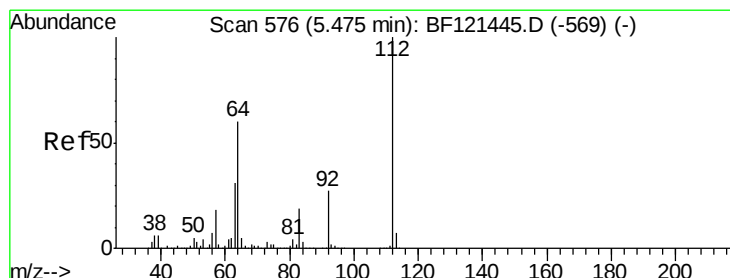
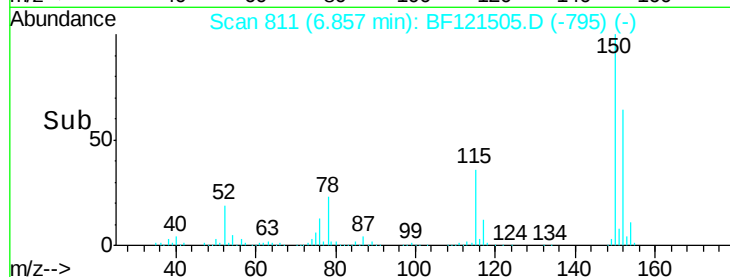
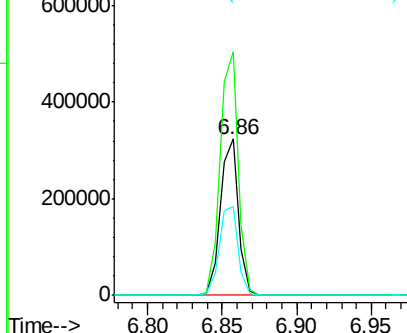
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Instrument :
BNA_F
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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.8	188.6
115	56.7	46.6	69.8



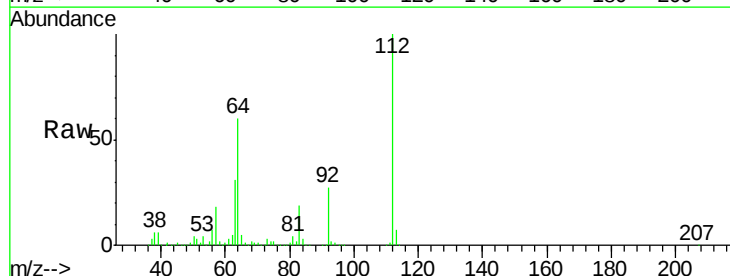
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



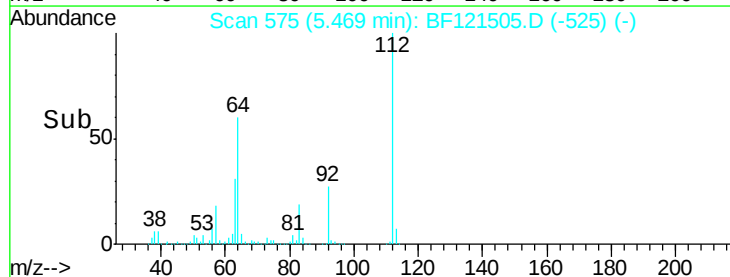
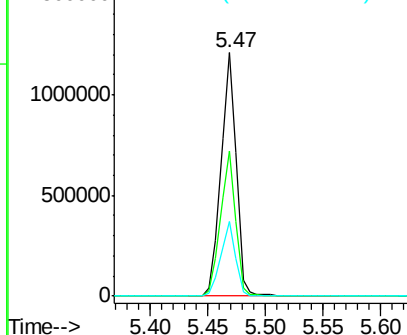
#5

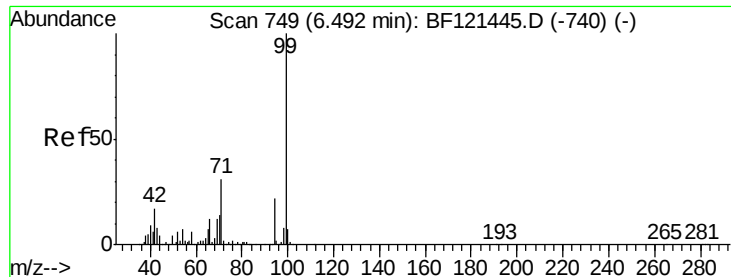
2-Fluorophenol
Concen: 68.295 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	48.2	72.2
63	30.6	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: 62.157 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF121505.D

Acq: 1 Sep 2020 19:39

Instrument :

BNA_F

ClientSampleId :

LINDEN-BH-04-A

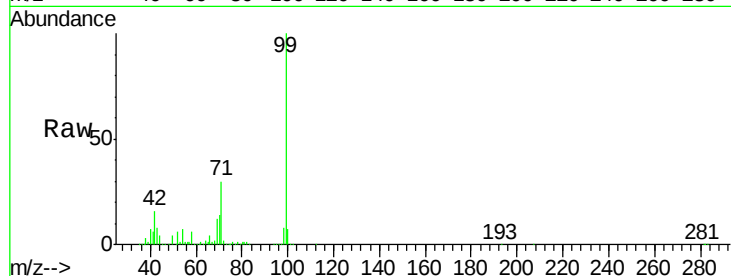
Tot Ion: 99 Resp: 1424548

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

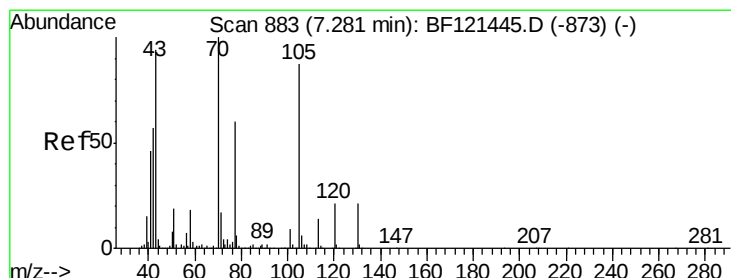
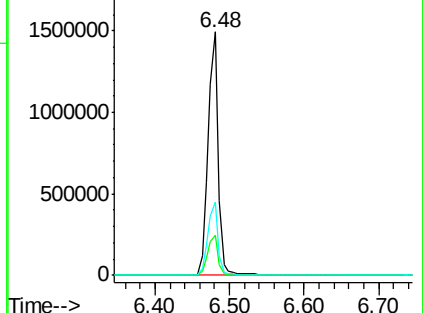
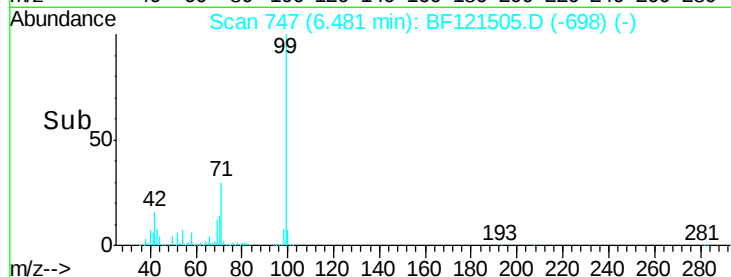
71 30.3 24.6 37.0



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: 9.261 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF121505.D

Acq: 1 Sep 2020 19:39

Tgt Ion: 70 Resp: 118607

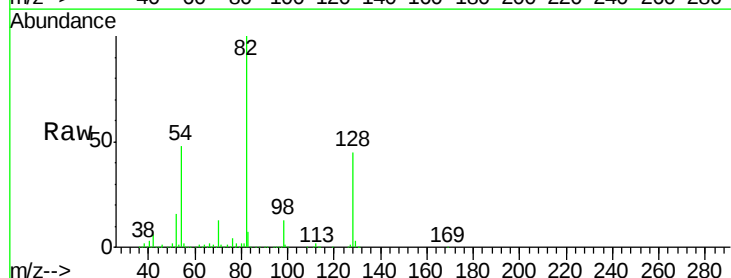
Ion Ratio Lower Upper

70 100

42 45.2 45.8 68.6#

101 0.0 7.5 11.3#

130 2.3 16.5 24.7#

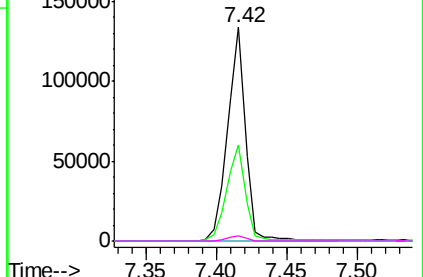
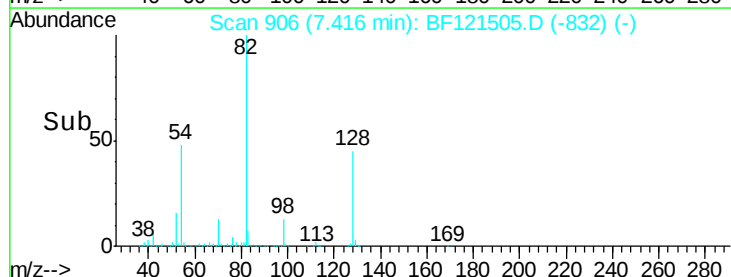


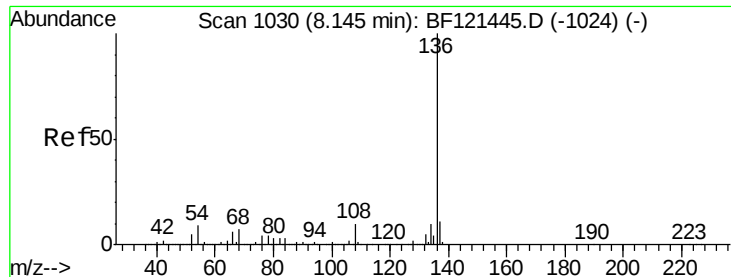
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF121505.D

Acq: 1 Sep 2020 19:39

Instrument :

BNA_F

ClientSampleId :

LINDEN-BH-04-A

Tot Ion:136 Resp: 1033601

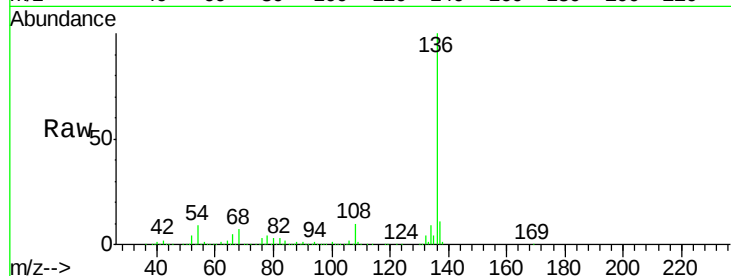
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.5 7.0 10.4

68 6.7 5.5 8.3

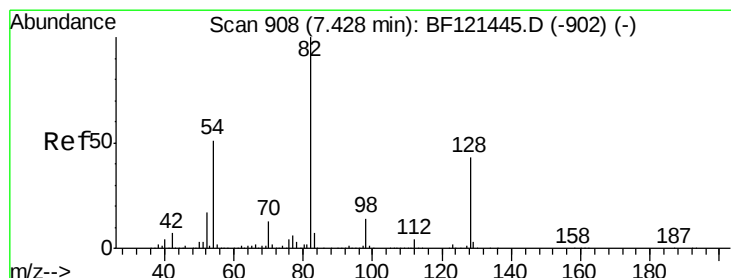
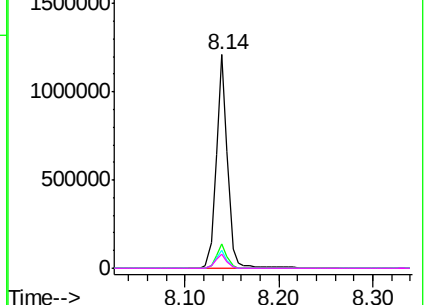
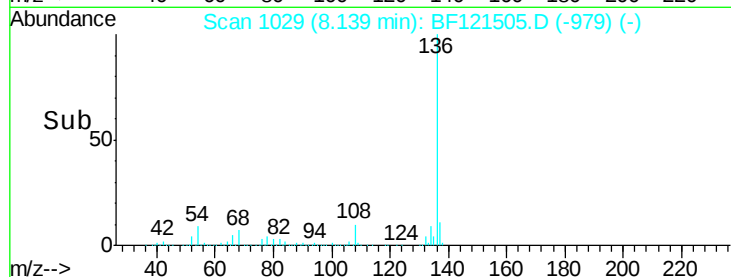


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.860 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF121505.D

Acq: 1 Sep 2020 19:39

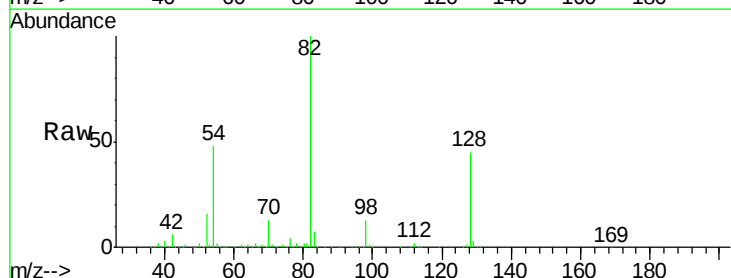
Tgt Ion: 82 Resp: 905004

Ion Ratio Lower Upper

82 100

128 45.0 34.1 51.1

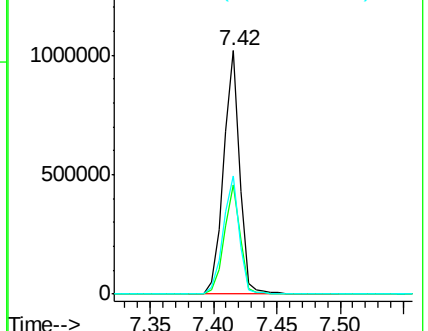
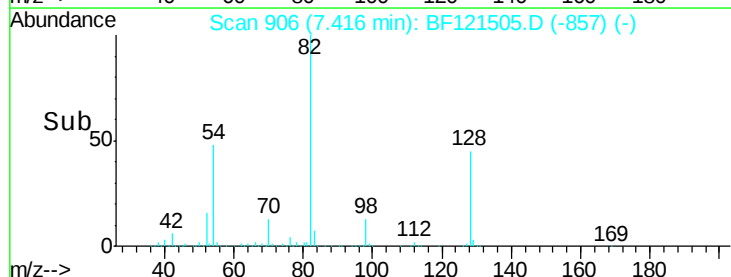
54 48.4 41.0 61.6

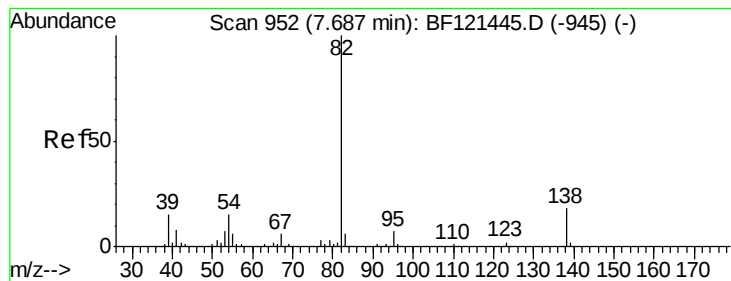


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.187 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.27 min

Lab File: BF121505.D

Acq: 1 Sep 2020 19:39

Instrument :

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LINDEN-BH-04-A

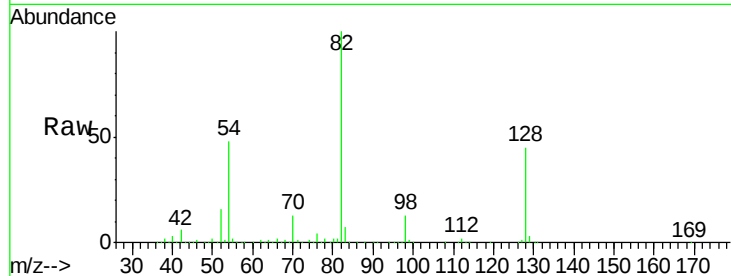
Tot Ion: 82 Resp: 890517

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

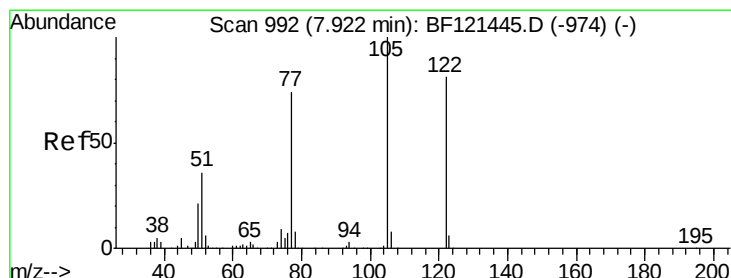
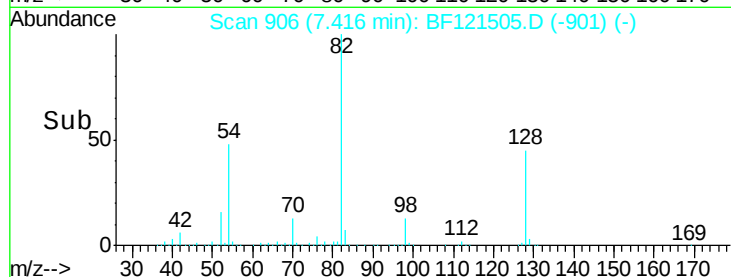
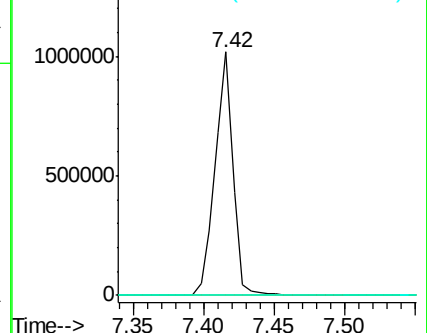
138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.679 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.22 min

Lab File: BF121505.D

Acq: 1 Sep 2020 19:39

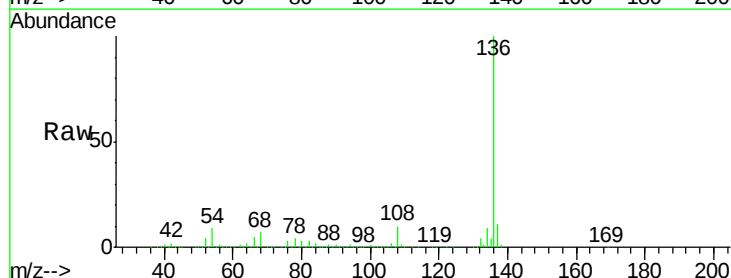
Tgt Ion: 122 Resp: 132

Ion Ratio Lower Upper

122 100

105 294.6 100.8 140.8#

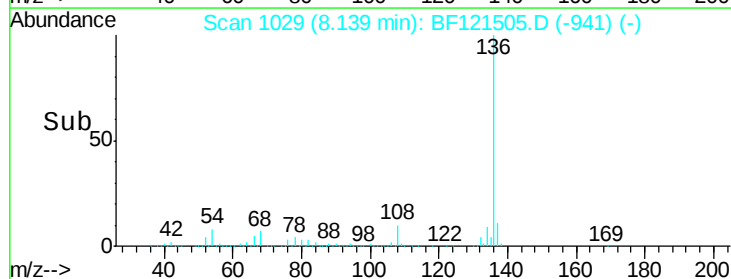
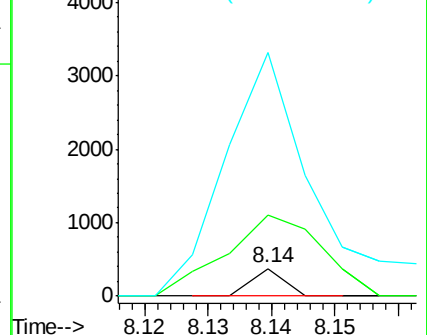
77 889.3 71.5 111.5#

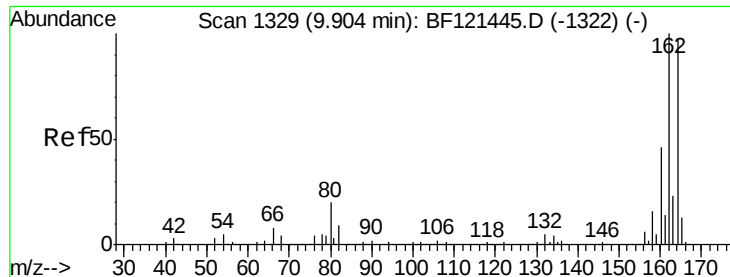


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

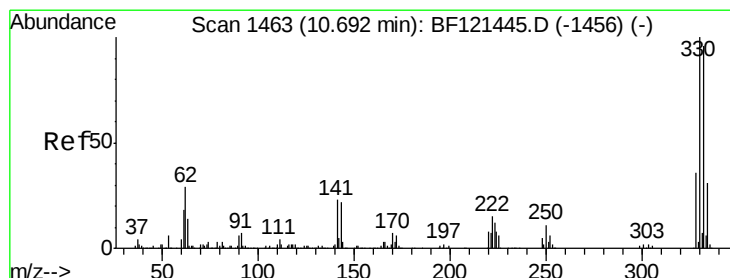
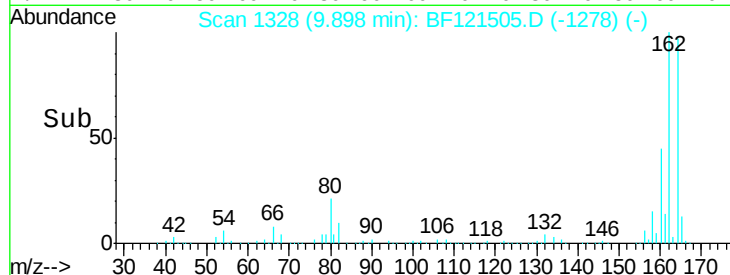
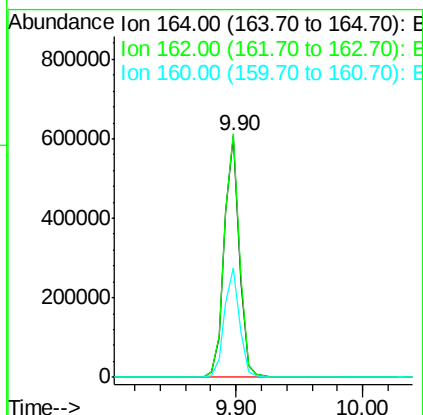
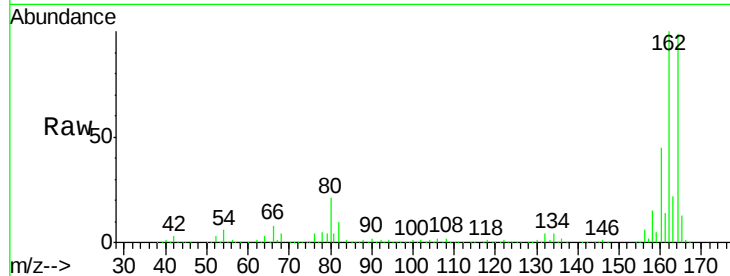




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

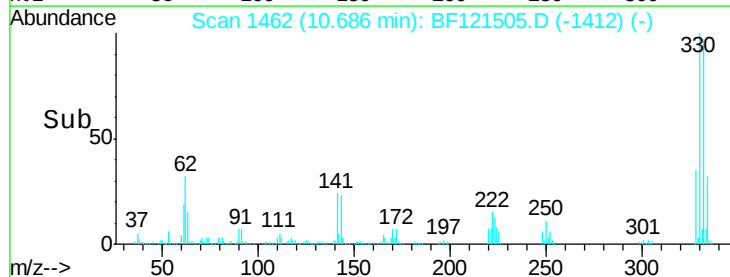
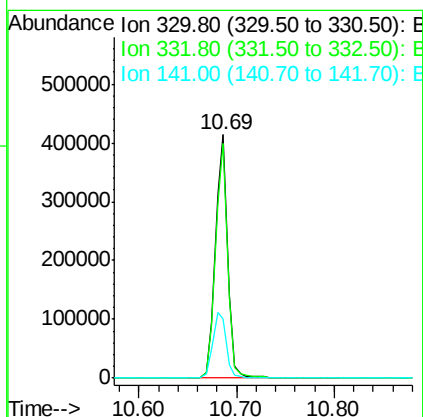
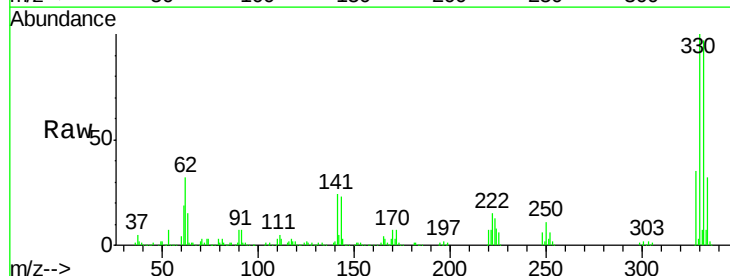
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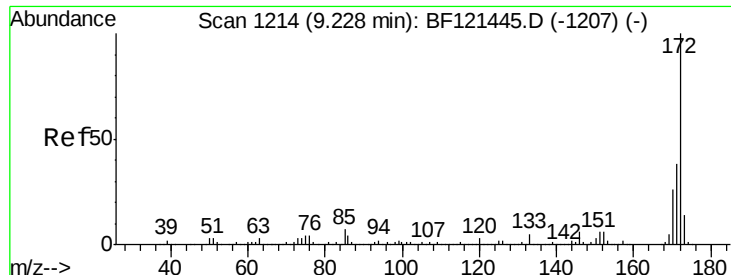
Tot Ion:164 Resp: 502663
Ion Ratio Lower Upper
164 100
162 100.9 82.4 123.6
160 45.4 37.6 56.4



#42
2,4,6-Tribromophenol
Concen: 70.868 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion:330 Resp: 359808
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.2
141 29.8 24.6 36.8

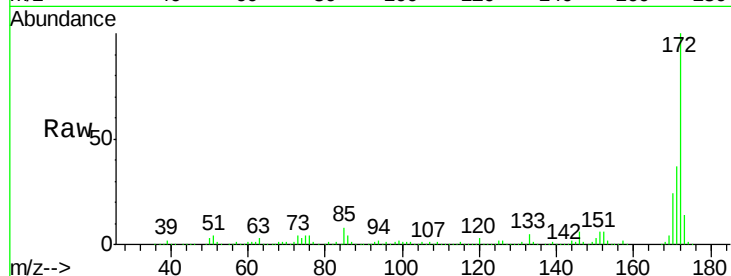




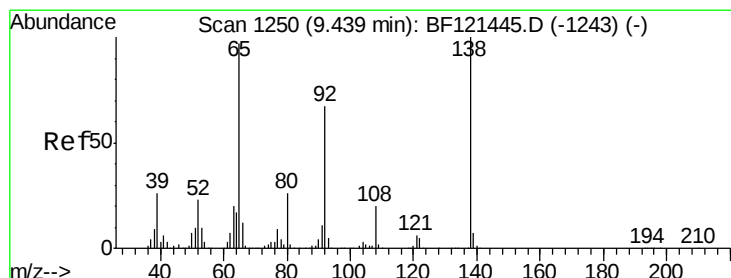
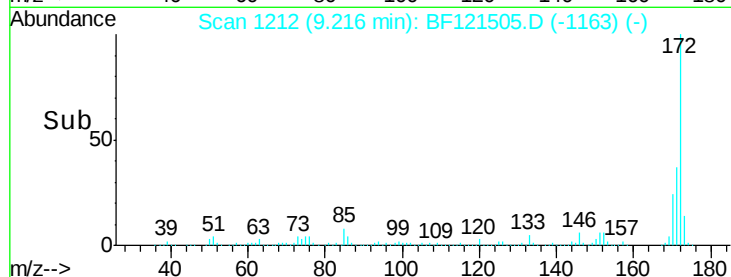
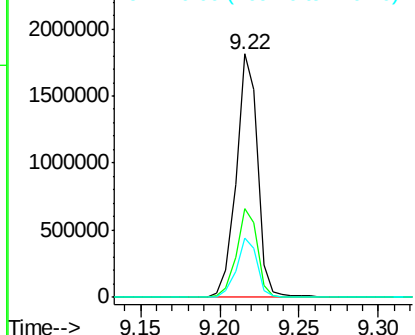
#45
2-Fluorobiphenyl
Concen: 54.201 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-A

Tot Ion:172 Resp: 1688530
Ion Ratio Lower Upper
172 100
171 36.5 30.6 45.8
170 24.5 20.6 31.0

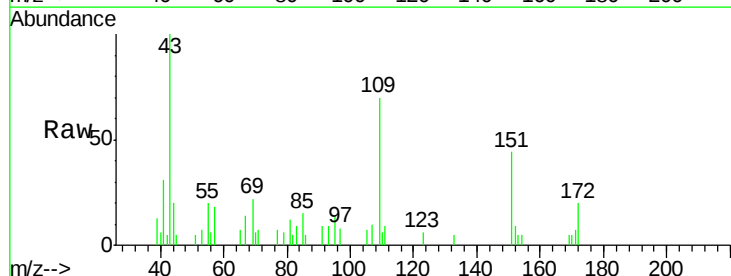


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

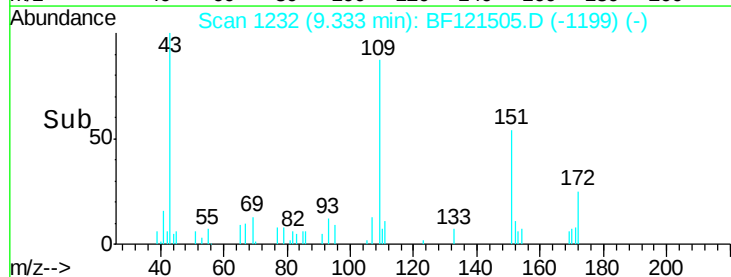
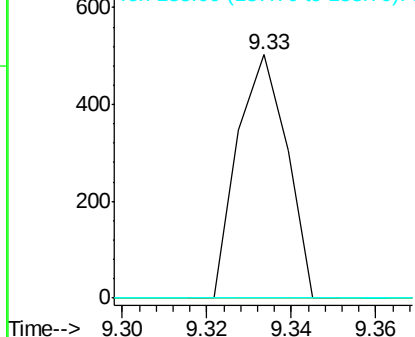


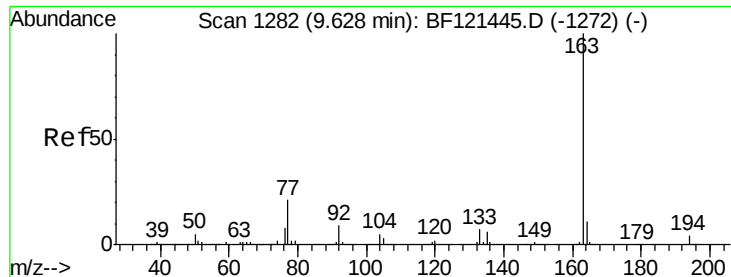
#48
2-Nitroaniline
Concen: 6.688 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.11 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion: 65 Resp: 407
Ion Ratio Lower Upper
65 100
92 0.0 55.6 83.4#
138 0.0 82.9 124.3#



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

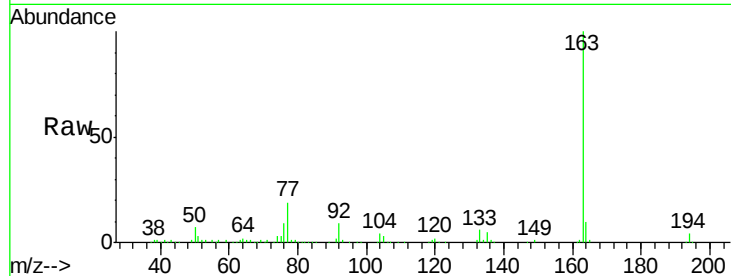




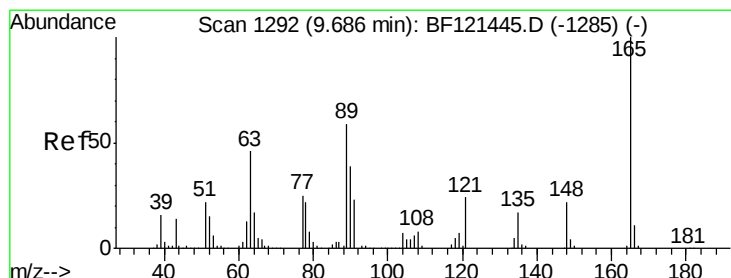
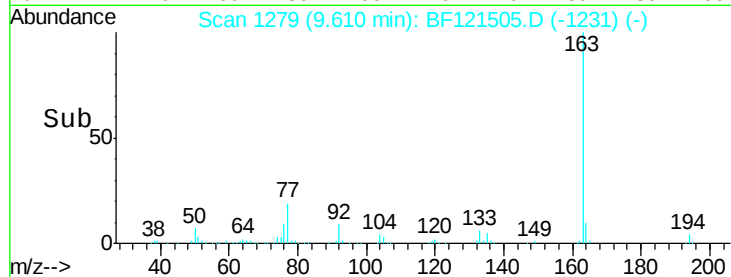
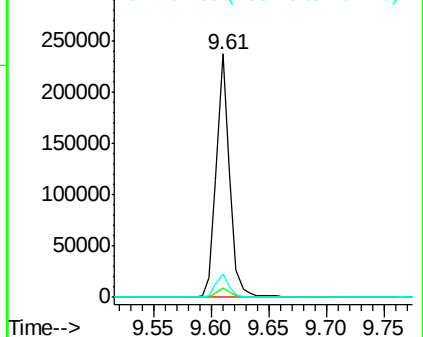
#50
Dimethylphthalate
Concen: 5.519 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-A

Tot Ion:163 Resp: 190573
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 9.8 8.6 12.8

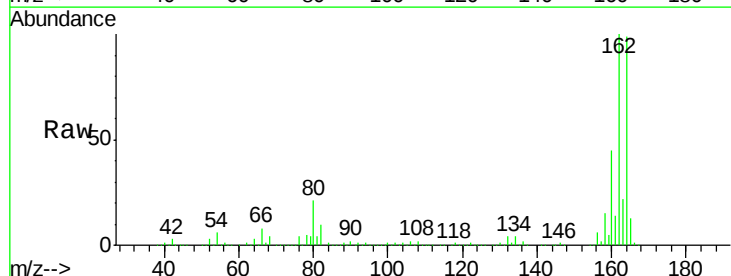


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

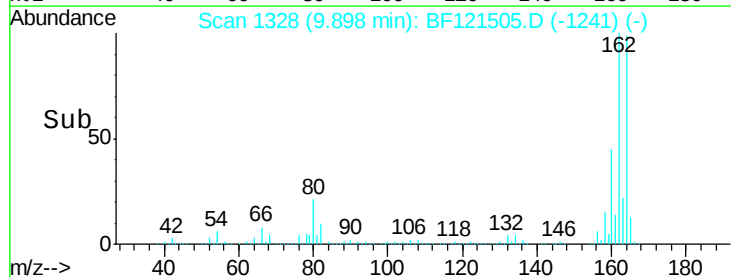
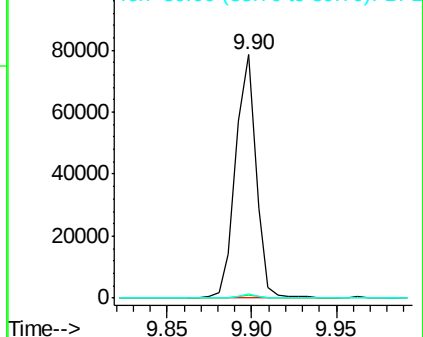


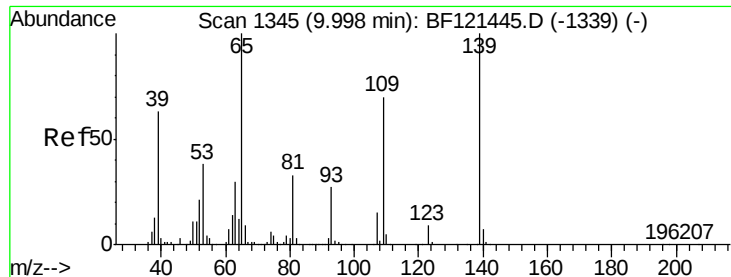
#51
2,6-Dinitrotoluene
Concen: 15.292 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion:165 Resp: 66285
Ion Ratio Lower Upper
165 100
63 1.3 43.6 65.4#
89 1.5 47.4 71.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

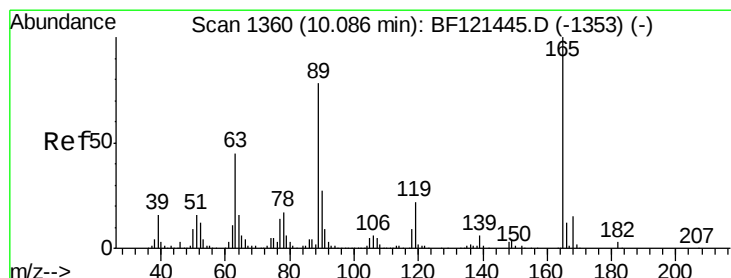
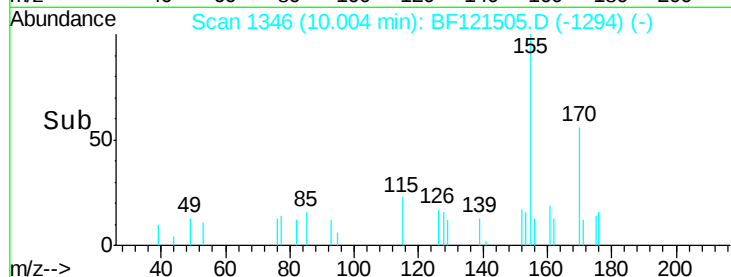
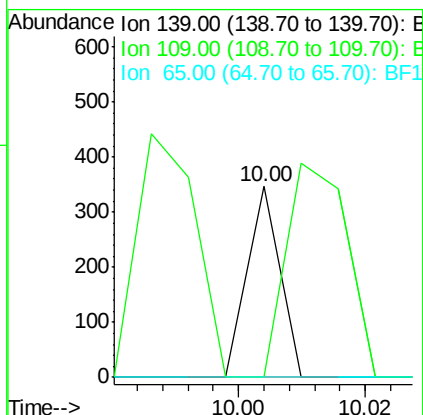
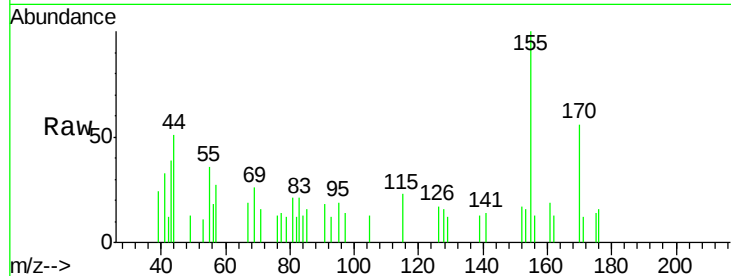




#56
4-Nitrophenol
Concen: 7.873 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

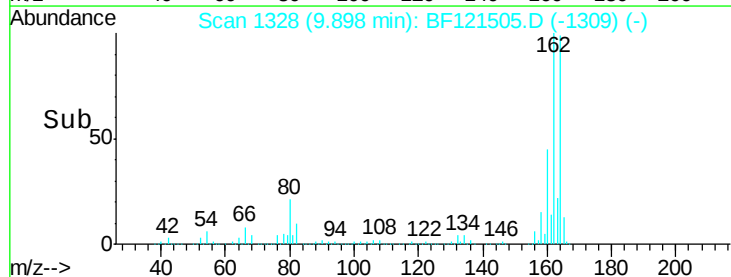
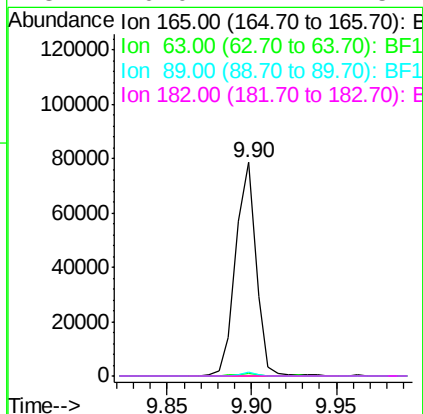
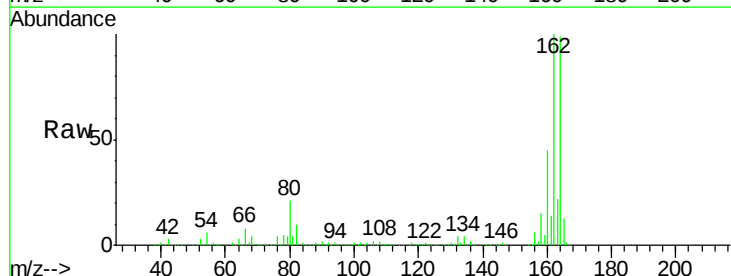
Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-A

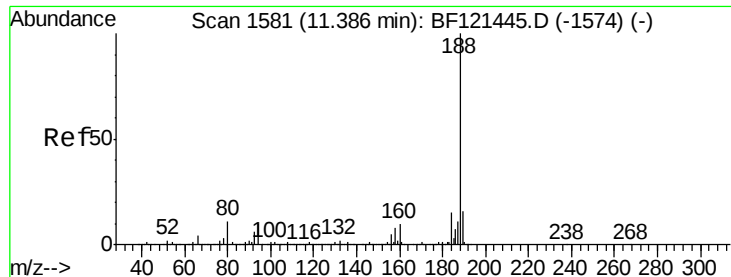
Tot Ion:139 Resp: 122
Ion Ratio Lower Upper
139 100
109 0.0 50.5 90.5#
65 0.0 80.2 120.2#



#57
2,4-Dinitrotoluene
Concen: 14.335 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion:165 Resp: 66285
Ion Ratio Lower Upper
165 100
63 1.3 36.0 54.0#
89 1.5 62.6 93.8#
182 0.0 2.2 3.2#

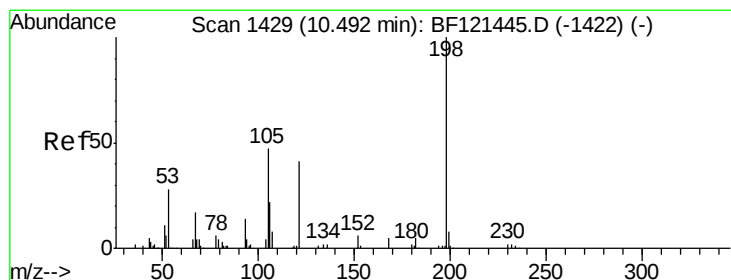
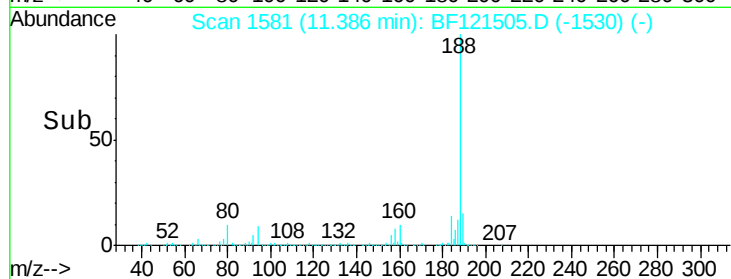
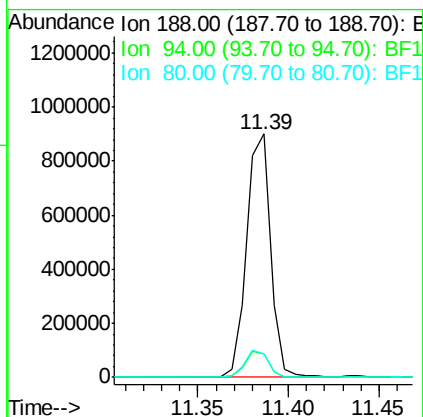
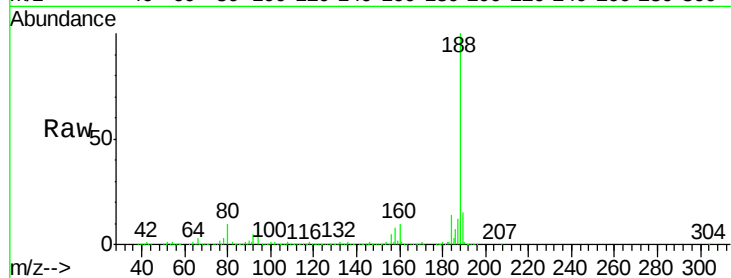




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

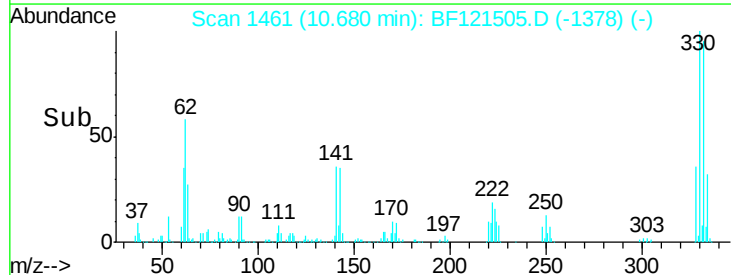
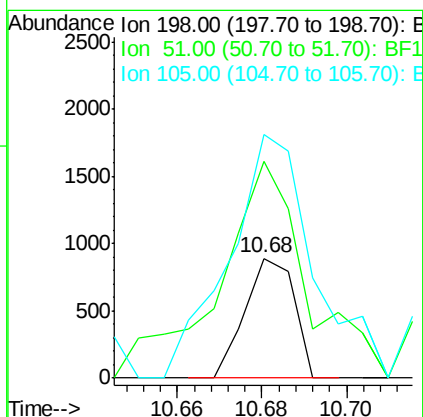
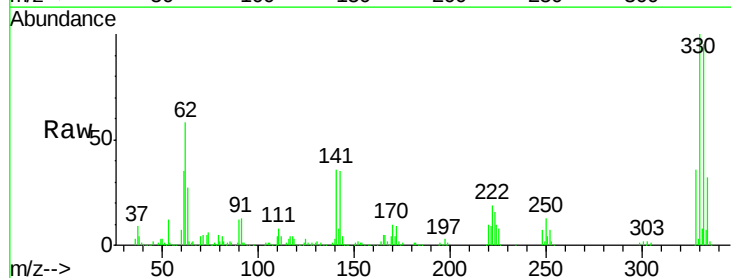
Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-A

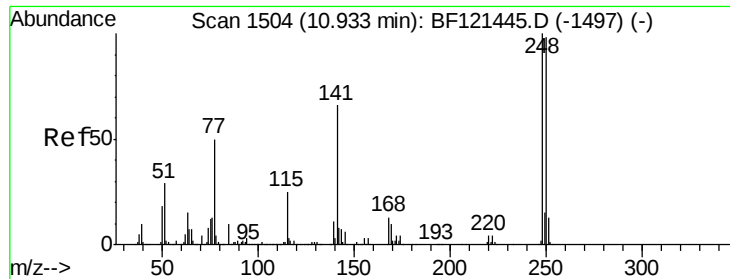
Tot Ion:188 Resp: 827542
Ion Ratio Lower Upper
188 100
94 9.5 8.3 12.5
80 9.9 8.6 13.0



#65
4,6-Dinitro-2-methylphenol
Concen: 5.917 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.19 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion:198 Resp: 724
Ion Ratio Lower Upper
198 100
51 180.8 29.0 69.0#
105 202.8 29.1 69.1#

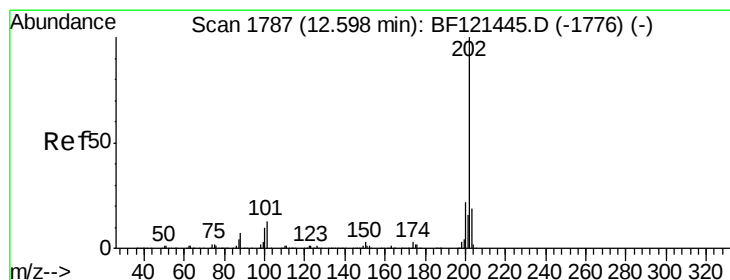
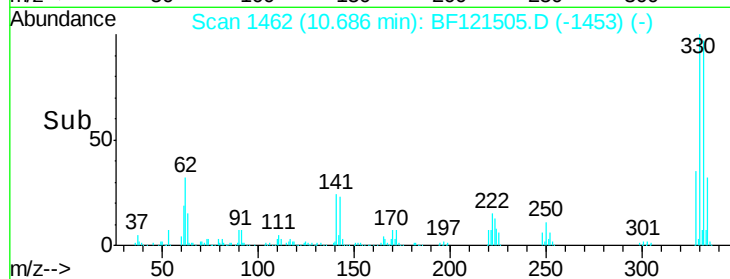
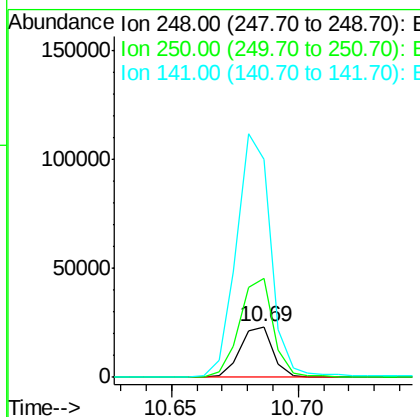
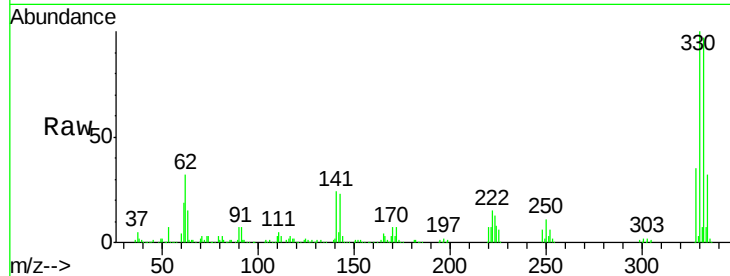




#67
 4-Bromophenyl-phenylether
 Concen: 2.317 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.25 min
 Lab File: BF121505.D
 Acq: 1 Sep 2020 19:39

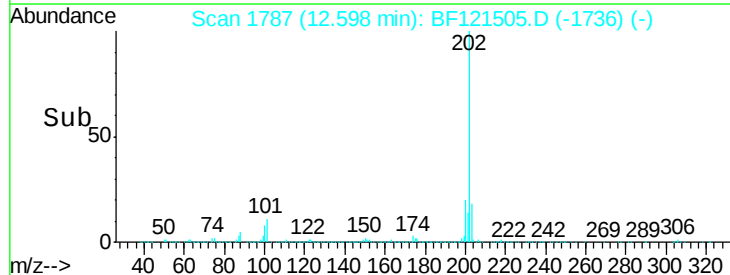
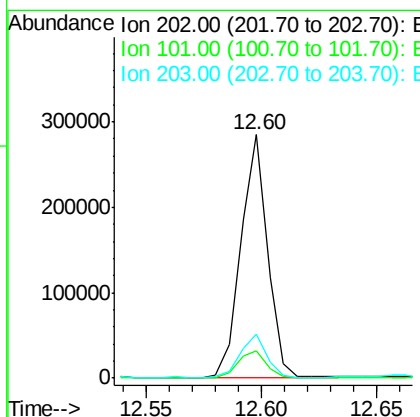
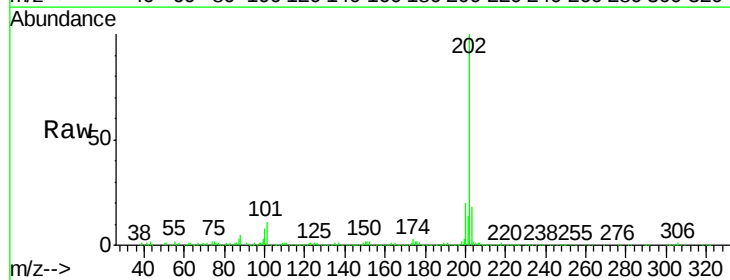
Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-04-A

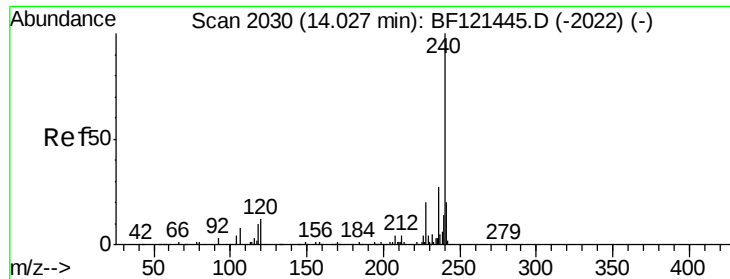
Tot Ion	Ratio	Lower	Upper
248	100		
250	196.1	78.7	118.1#
141	431.4	52.6	78.8#



#75
 Fluoranthene
 Concen: 4.998 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BF121505.D
 Acq: 1 Sep 2020 19:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	33.3
203	18.1	0.0	39.1

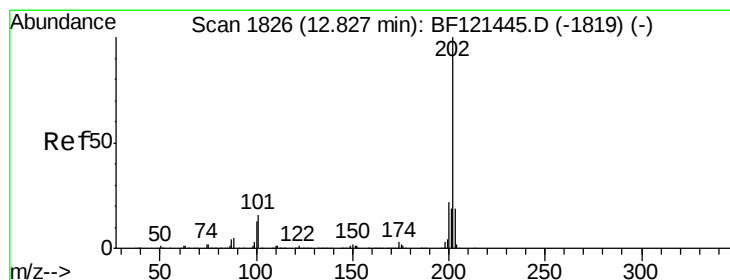
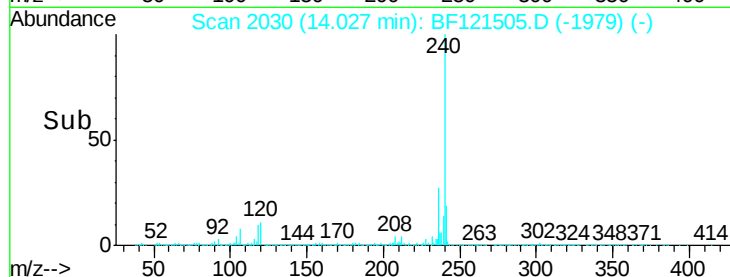
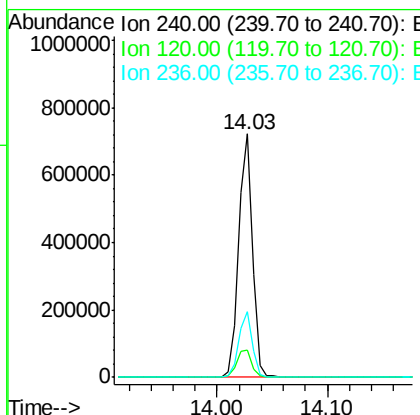
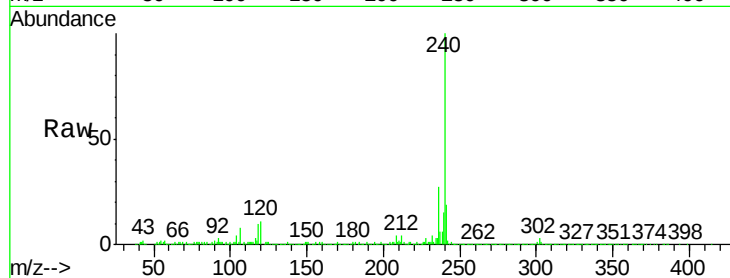




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

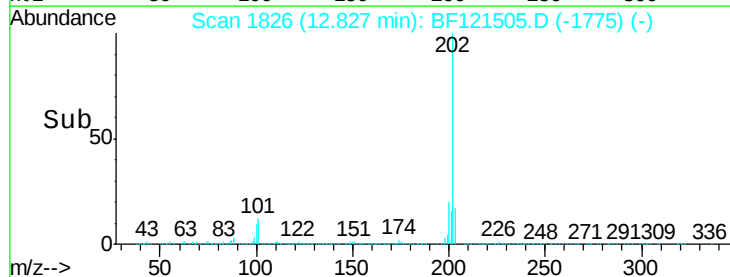
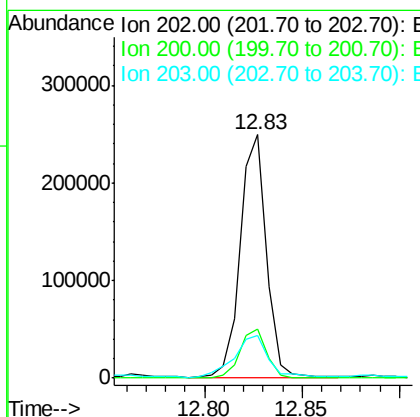
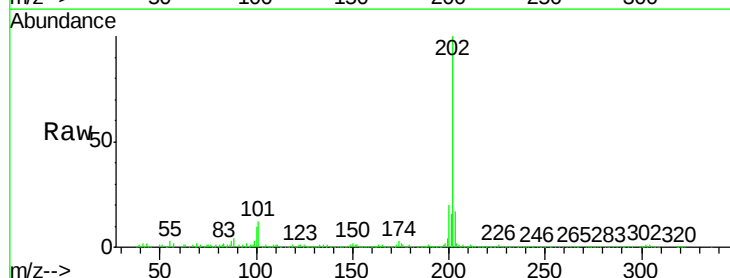
Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-A

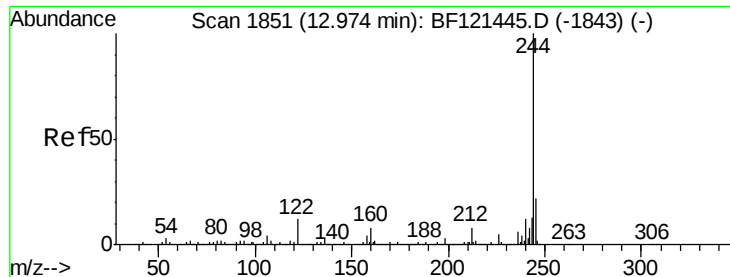
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.5	14.3
236	26.7	21.8	32.6



#78
Pyrene
Concen: 5.111 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	18.0	27.0
203	17.3	15.3	22.9



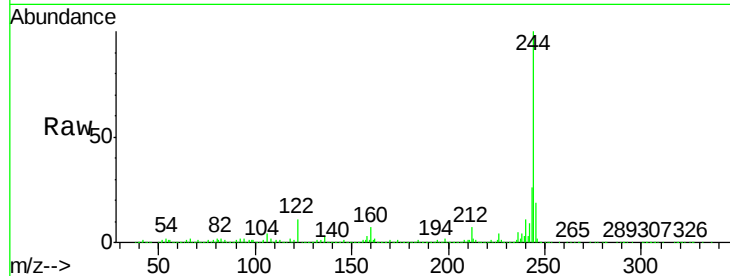


#79
 Terphenyl-d14
 Concen: 45.912 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BF121505.D
 Acq: 1 Sep 2020 19:39

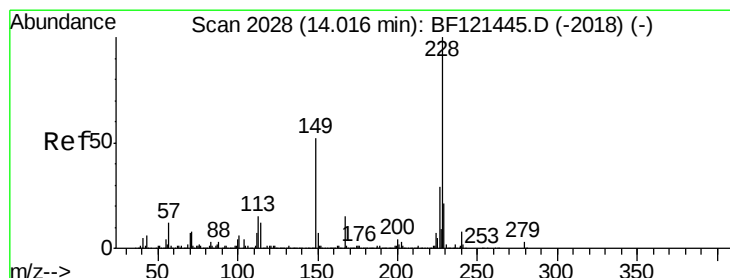
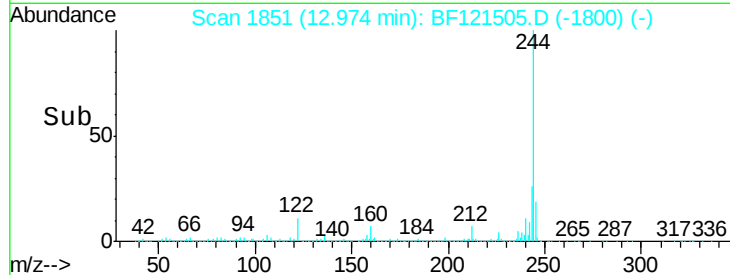
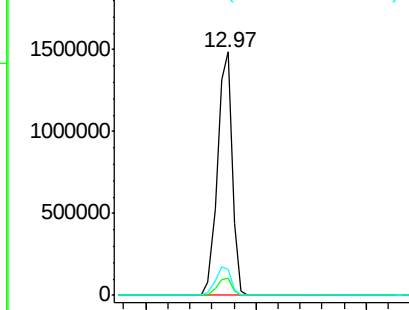
Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-BH-04-A

Tot Ion:244 Resp: 1377690

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	10.8	9.5	14.3



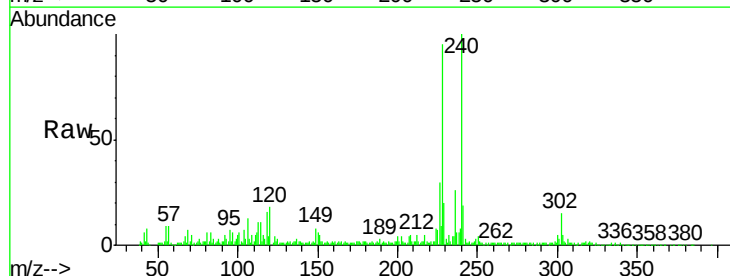
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



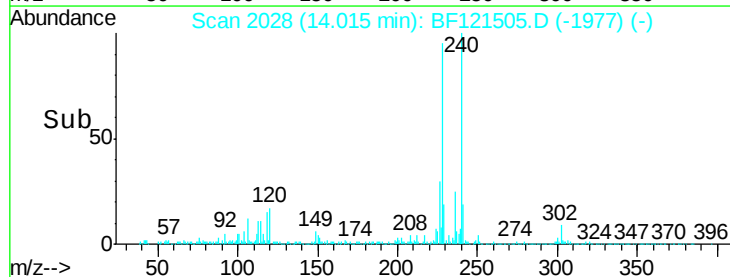
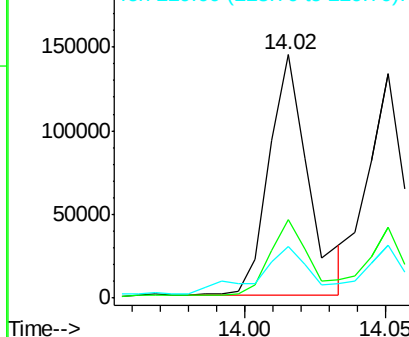
#81
 Benzo(a)anthracene
 Concen: 3.626 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BF121505.D
 Acq: 1 Sep 2020 19:39

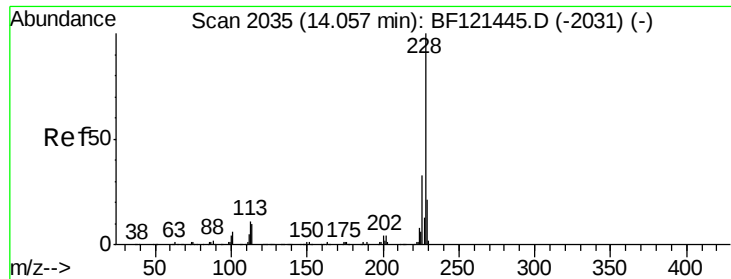
Tgt Ion:228 Resp: 139831

Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.0	34.4
229	21.4	16.6	24.8



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

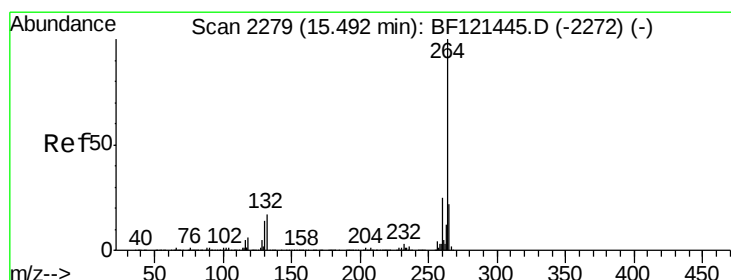
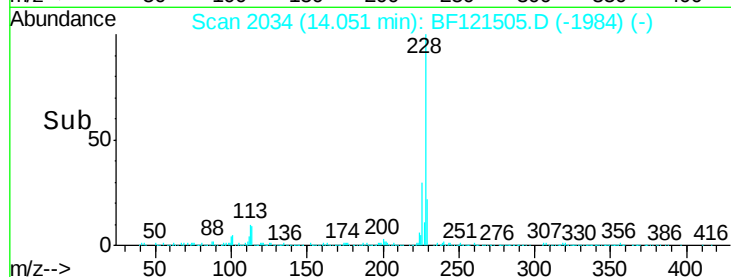
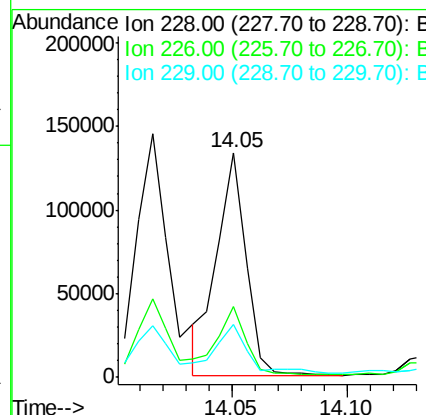
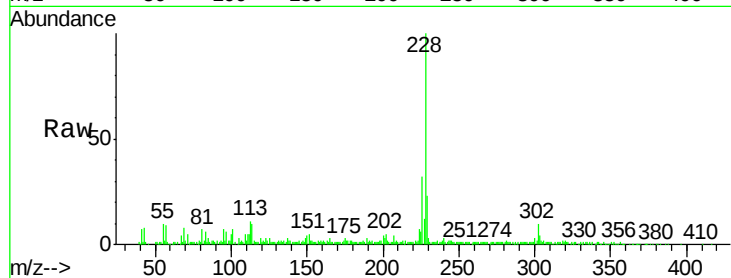




#83
Chrysene
Concen: 3.020 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

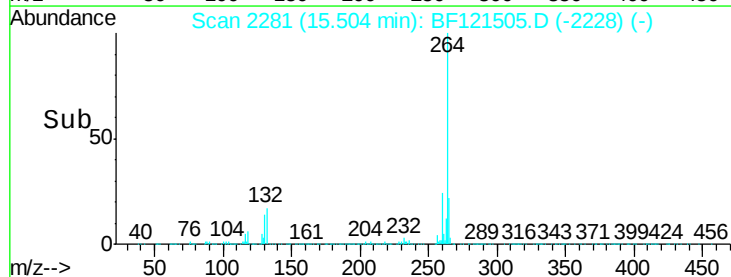
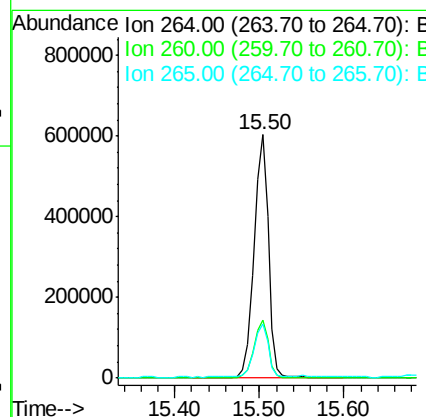
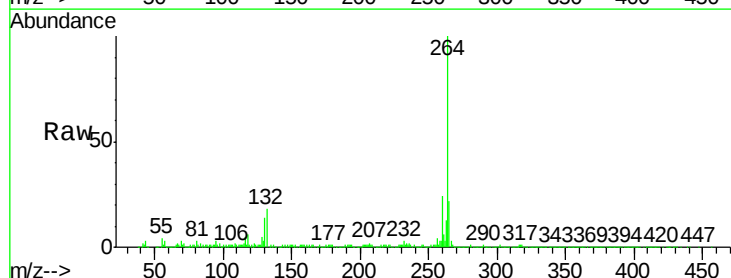
Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-A

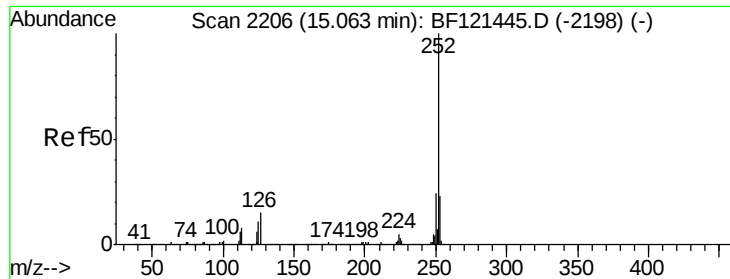
Tot Ion:228 Resp: 116504
Ion Ratio Lower Upper
228 100
226 31.6 26.2 39.2
229 23.4 16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion:264 Resp: 714224
Ion Ratio Lower Upper
264 100
260 24.0 19.6 29.4
265 22.4 17.8 26.6

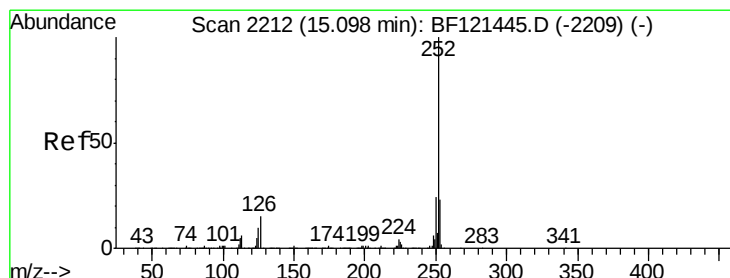
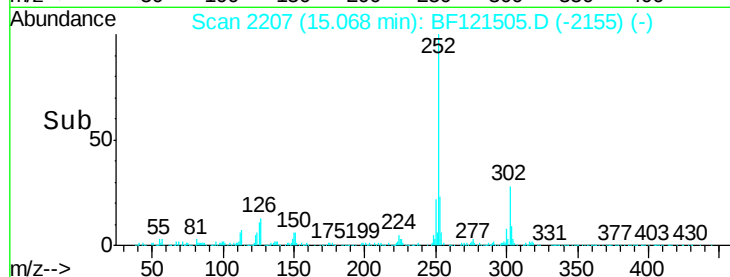
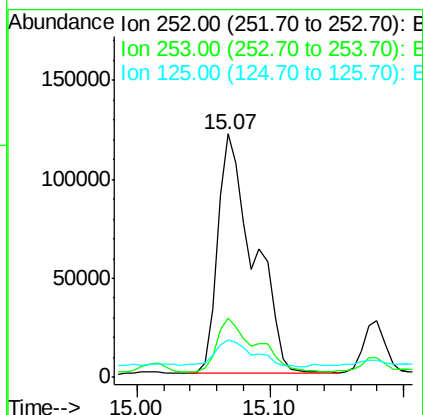
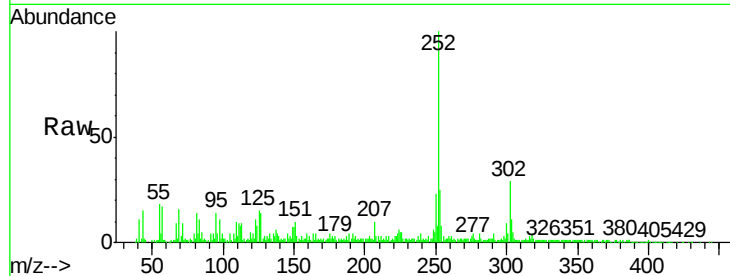




#88
Benzo(b)fluoranthene
Concen: 4.909 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

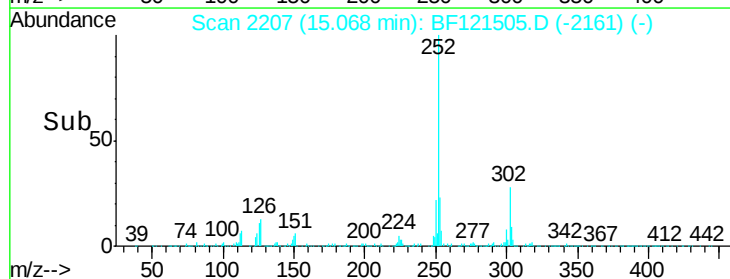
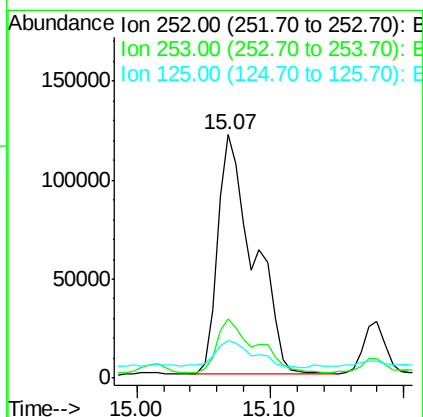
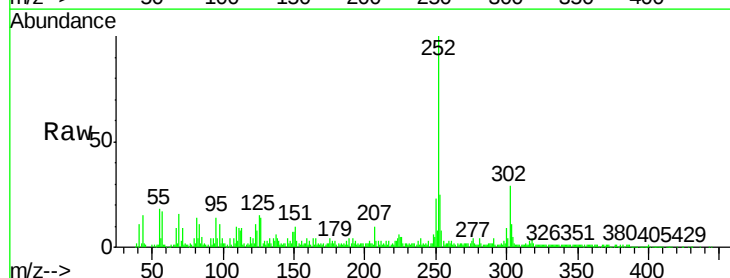
Instrument :
BNA_F
ClientSampleId :
LINDEN-BH-04-A

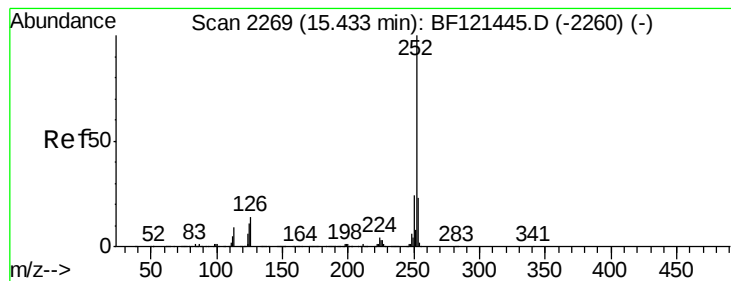
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.3	27.5
125	15.4	9.2	13.8



#89
Benzo(k)fluoranthene
Concen: 5.278 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.03 min
Lab File: BF121505.D
Acq: 1 Sep 2020 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.3	27.5
125	15.4	8.5	12.7





#90

Benzo(a)pyrene

Concen: 3.155 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.00 min

Lab File: BF121505.D

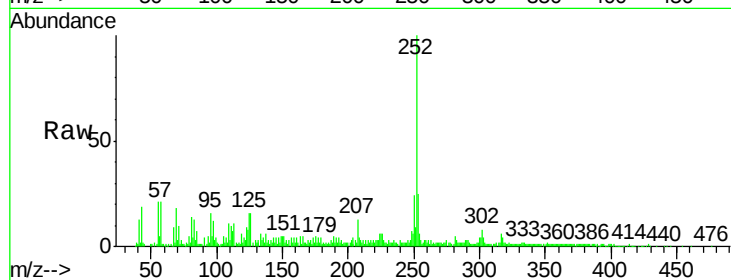
Acq: 1 Sep 2020 19:39

Instrument :

BNA_F

ClientSampleId :

LINDEN-BH-04-A



Tot Ion:	252	Resp:	131789
Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	16.2	9.0	13.4

