

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
 Data File : BF121488.D
 Acq On : 31 Aug 2020 20:33
 Operator : JU/CG
 Sample : L3847-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-A

Quant Time: Sep 01 00:32:49 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	302495	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1128233	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	538077	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	897348	20.00	ng	0.00
76) Chrysene-d12	14.04	240	575945	20.00	ng	0.01
86) Perylene-d12	15.51	264	649541	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1200927	66.61	ng	0.00
7) Phenol-d6	6.49	99	1561224	61.96	ng	0.00
23) Nitrobenzene-d5	7.42	82	978044	59.26	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	379360	69.80	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1794359	53.81	ng	0.00
79) Terphenyl-d14	12.97	244	1444723	52.80	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.41	77	1382	Below Cal		96
19) n-Nitroso-di-n-propylamine	7.42	70	129928	9.227 ng	#	77
25) Isophorone	7.42	82	966431	26.036 ng	#	64
31) Naphthalene	8.17	128	629418	11.237 ng		97
32) Benzoic acid	7.93	122	5252	7.361 ng	#	29
33) 4-Chloroaniline	8.17	127	79908	3.203 ng	#	34
37) 2-Methylnaphthalene	8.86	142	198793	5.357 ng		98
38) 1-Methylnaphthalene	8.96	142	154411	4.406 ng		98
48) 2-Nitroaniline	9.42	65	1231	6.761 ng	#	41
49) Acenaphthylene	9.76	152	217889	4.353 ng		98
50) Dimethylphthalate	9.61	163	109404	2.960 ng		99
51) 2,6-Dinitrotoluene	9.90	165	78218	16.200 ng	#	25
52) Acenaphthene	9.93	154	266120	8.419 ng		98
53) 3-Nitroaniline	9.93	138	449	5.497 ng	#	1
54) 2,4-Dinitrophenol	10.19	184	242	Below Cal	#	58
55) Dibenzofuran	10.10	168	417233	9.087 ng		98
56) 4-Nitrophenol	10.10	139	150472	26.871 ng	#	8
57) 2,4-Dinitrotoluene	10.06	165	5512	7.824 ng	#	53
58) Fluorene	10.45	166	488810	14.122 ng		100
62) 4-Nitroaniline	10.51	138	771	4.613 ng		83
65) 4,6-Dinitro-2-methylphenol	10.64	198	345	5.616 ng	#	1
67) 4-Bromophenyl-phenylether	10.69	248	22855	2.315 ng	#	1
71) Phenanthrene	11.42	178	4607012	100.043 ng		96
72) Anthracene	11.46	178	1227409	27.100 ng		97
73) Carbazole	11.62	167	636917	14.583 ng		97
75) Fluoranthene	12.62	202	5700708	114.864 ng		97
78) Pyrene	12.84	202	5466126	132.890 ng		95
81) Benzo(a)anthracene	14.03	228	3189268	90.711 ng		95
83) Chrysene	14.07	228	2933730	83.404 ng		97
87) Indeno(1,2,3-cd)pyrene	16.99	276	1733344	43.371 ng		95
88) Benzo(b)fluoranthene	15.09	252	5206335	123.220 ng		98
89) Benzo(k)fluoranthene	15.09	252	5206335	132.476 ng		97
90) Benzo(a)pyrene	15.46	252	2855099	75.147 ng		98
91) Dibenzo(a,h)anthracene	17.16	278	372008	11.371 ng		96

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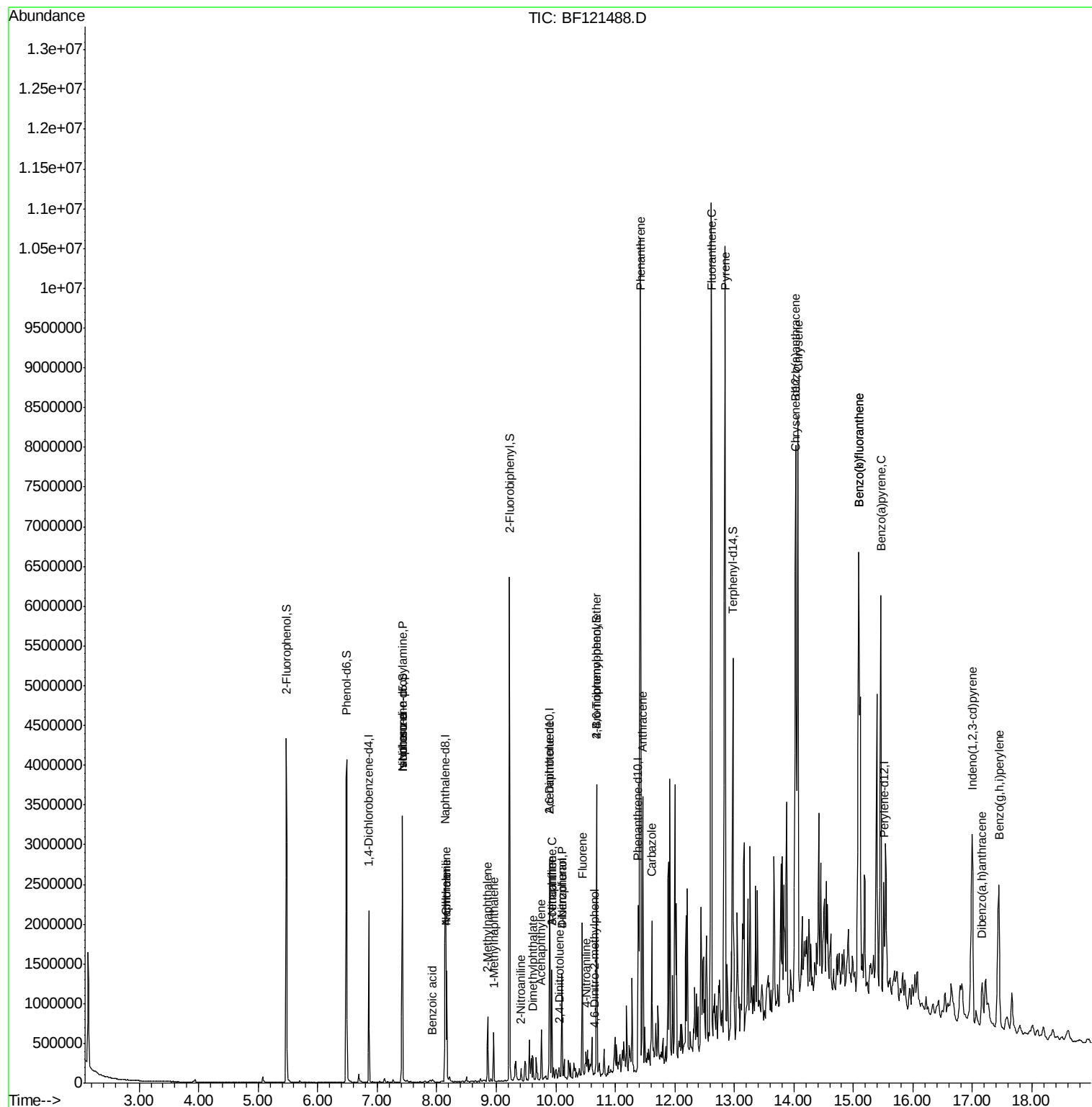
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Benzo(q,h,i)perylene	17.44	276	1632567	51.805	ng	97

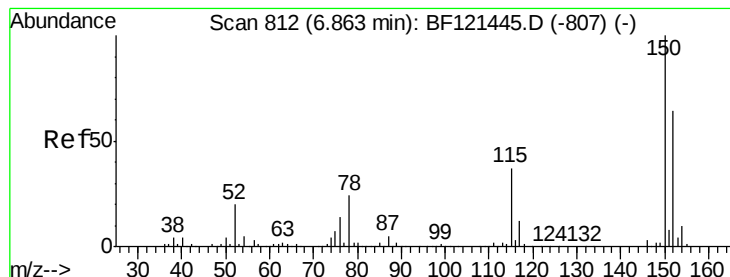
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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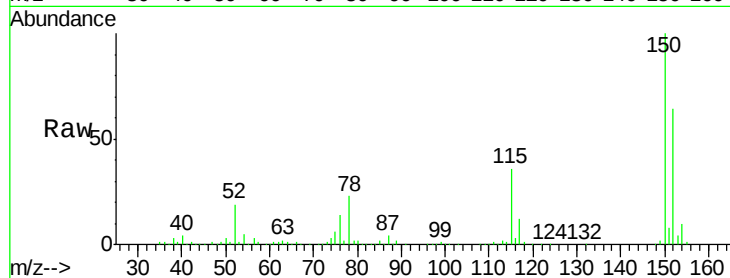


#1

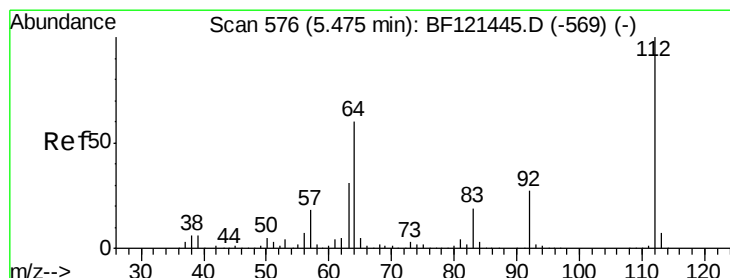
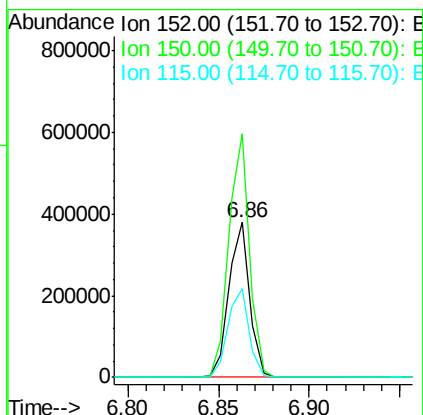
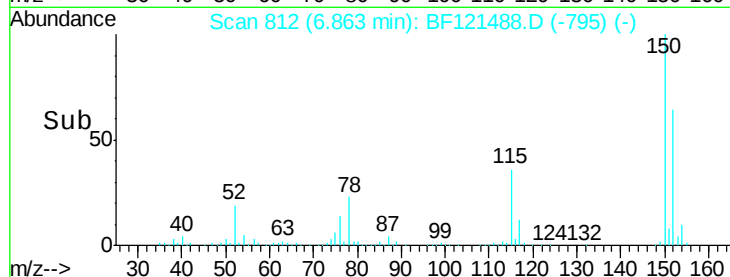
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:152 Resp: 302495
Ion Ratio Lower Upper
152 100
150 157.2 125.8 188.6
115 57.0 46.6 69.8



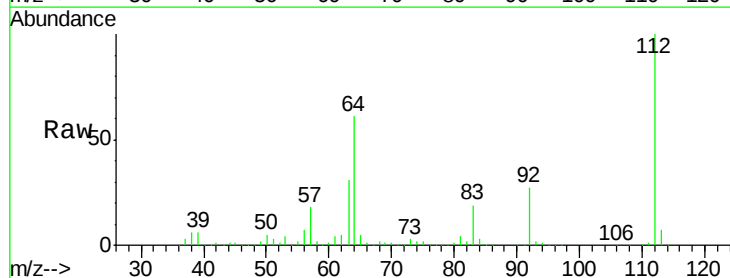
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



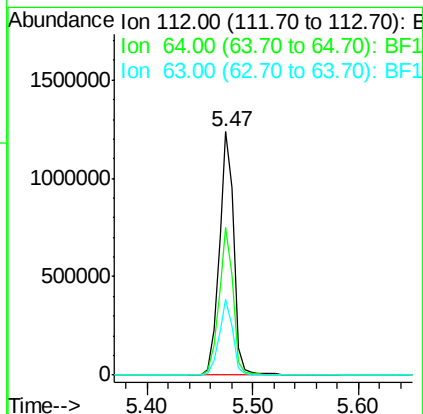
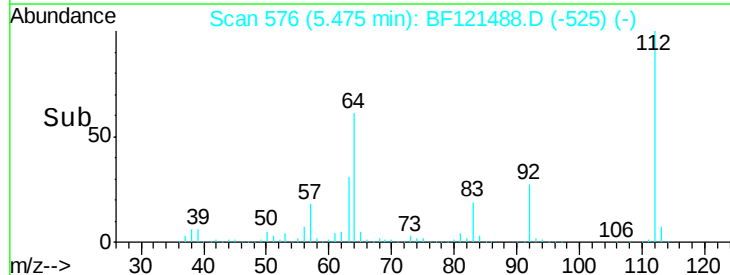
#5

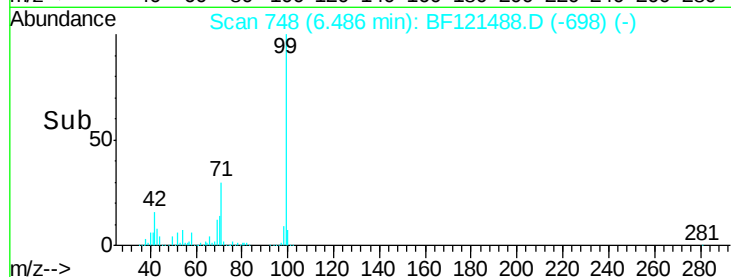
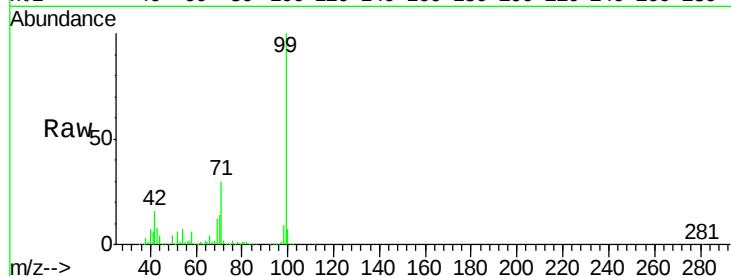
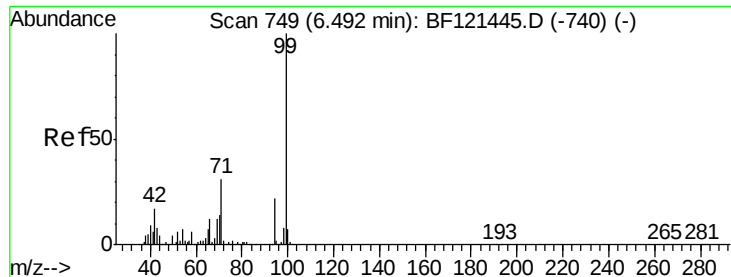
2-Fluorophenol
Concen: 66.608 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion:112 Resp: 1200927
Ion Ratio Lower Upper
112 100
64 60.9 48.2 72.2
63 31.2 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: 61.963 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-A

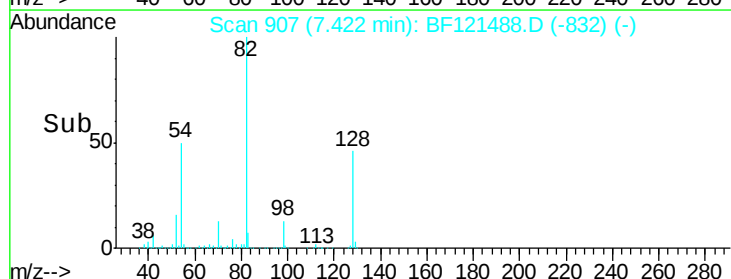
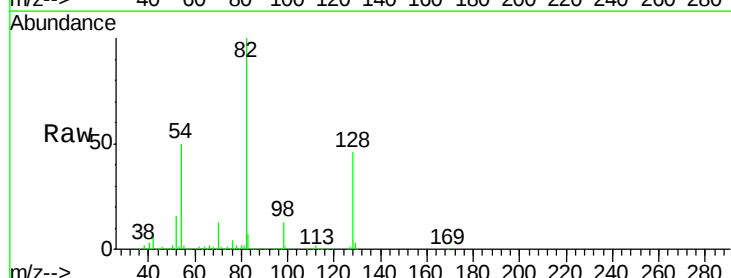
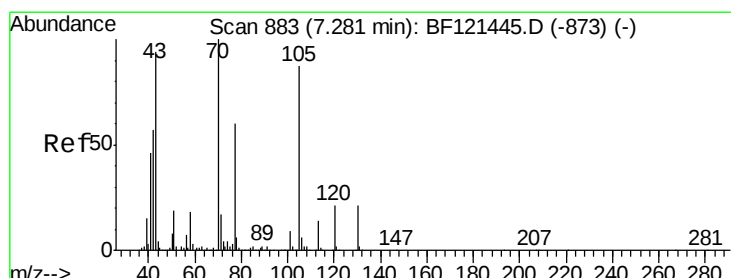
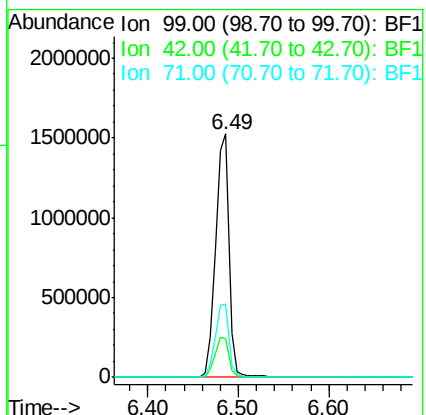
Tot Ion: 99 Resp: 1561224

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

71 30.3 24.6 37.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.227 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Tgt Ion: 70 Resp: 129928

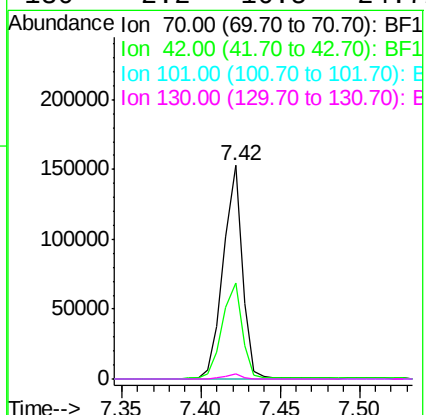
Ion Ratio Lower Upper

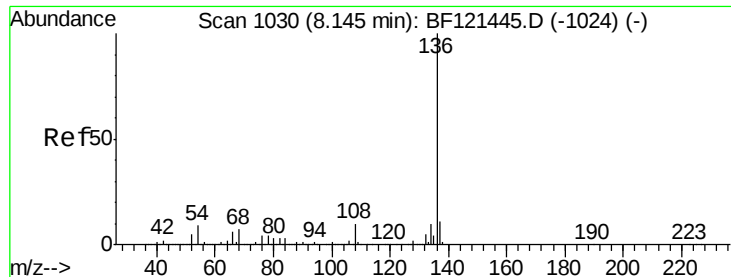
70 100

42 45.1 45.8 68.6#

101 0.0 7.5 11.3#

130 2.2 16.5 24.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-A

Tot Ion:136 Resp: 1128233

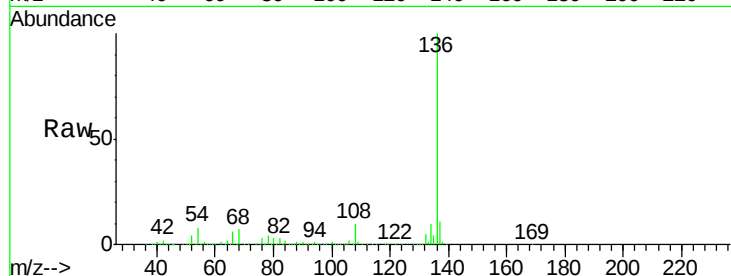
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.3 7.0 10.4

68 6.6 5.5 8.3

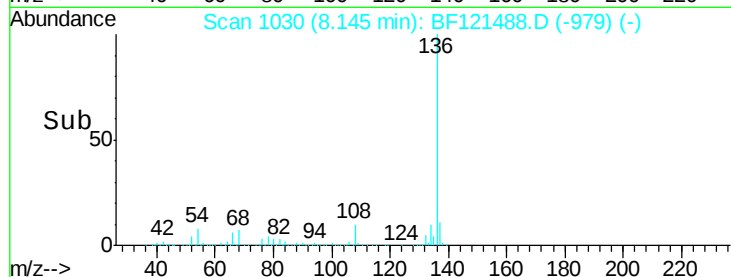


Abundance Ion 136.00 (135.70 to 136.70): E

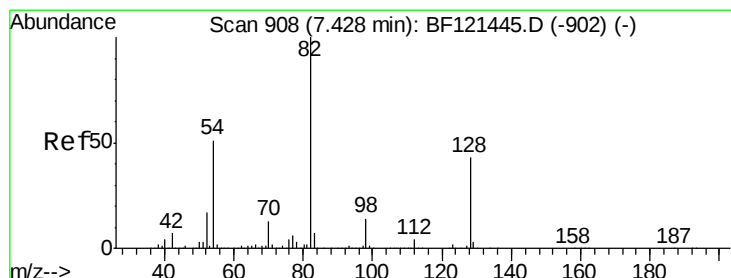
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time--> 8.00 8.10 8.20 8.30 8.40



#23

Nitrobenzene-d5

Concen: 59.265 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

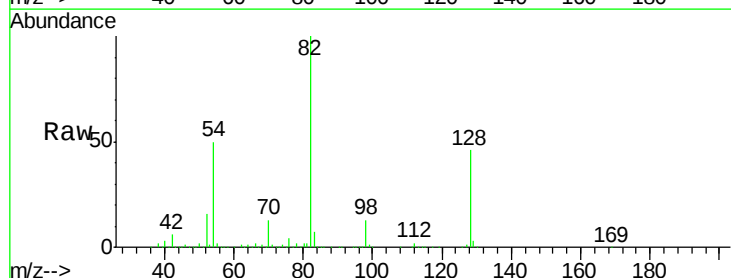
Tgt Ion: 82 Resp: 978044

Ion Ratio Lower Upper

82 100

128 45.8 34.1 51.1

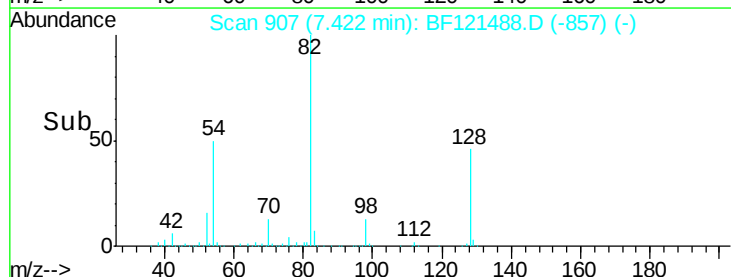
54 49.9 41.0 61.6



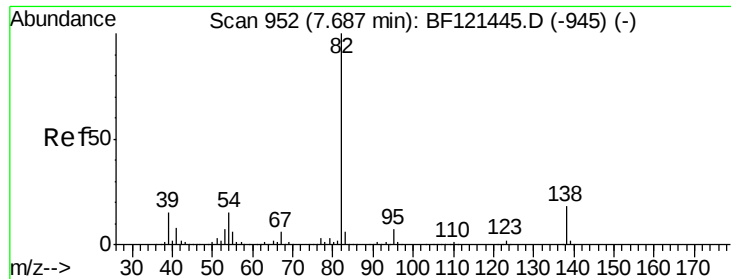
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time--> 7.35 7.40 7.45 7.50



#25

Isophorone

Concen: 26.036 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-A

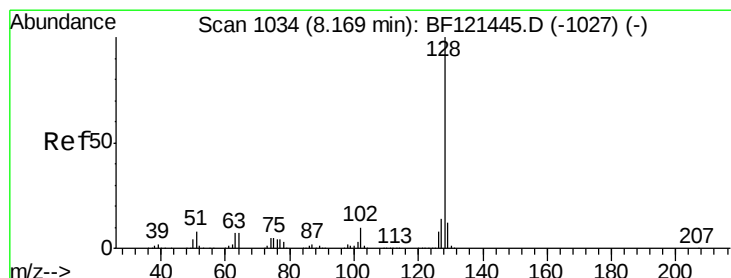
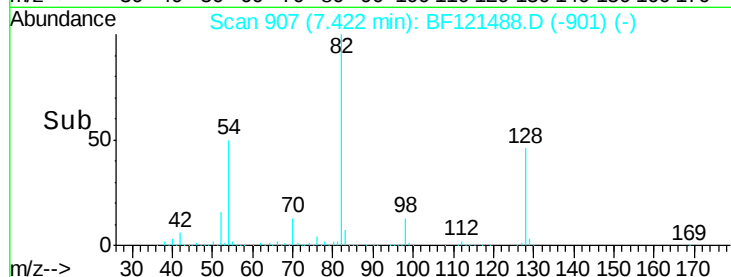
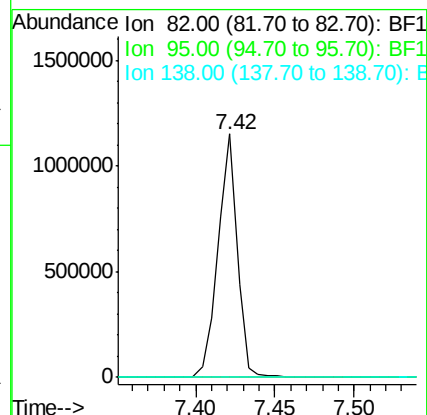
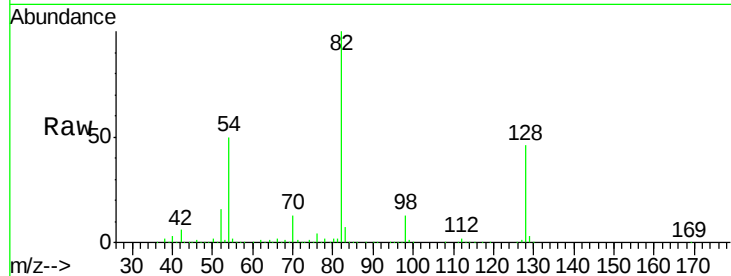
Tot Ion: 82 Resp: 966431

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



#31

Naphthalene

Concen: 11.237 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

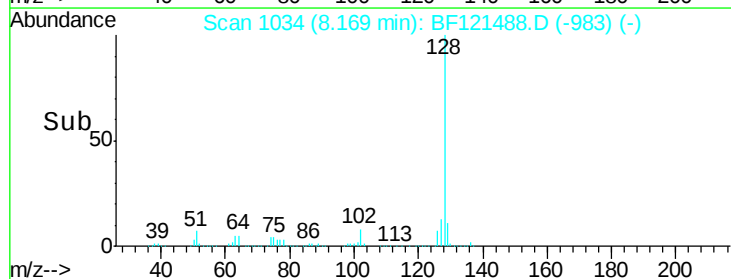
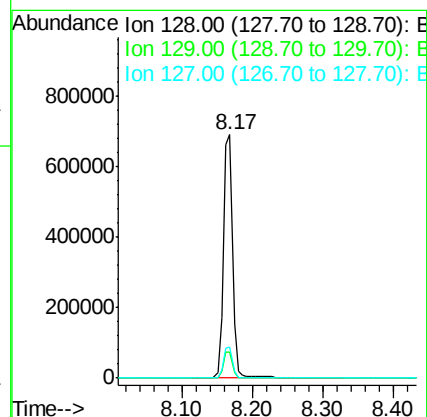
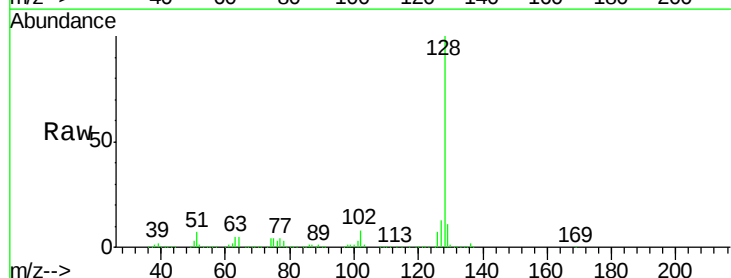
Tgt Ion: 128 Resp: 629418

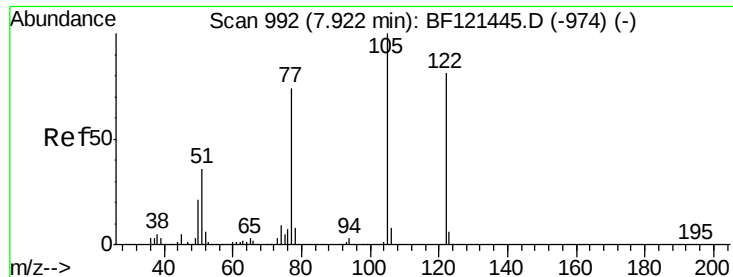
Ion Ratio Lower Upper

128 100

129 10.8 9.6 14.4

127 13.0 11.4 17.2

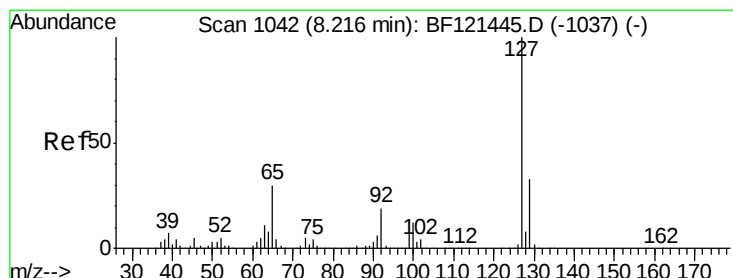
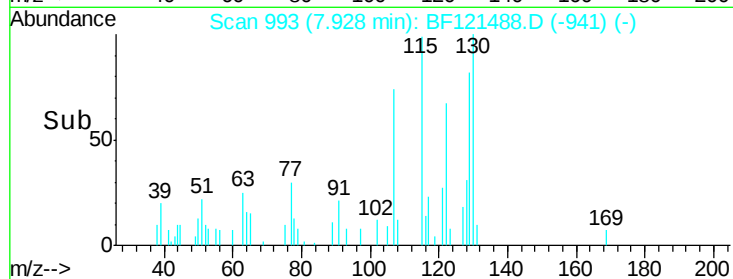
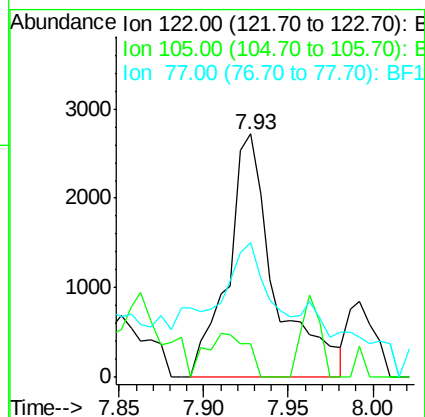
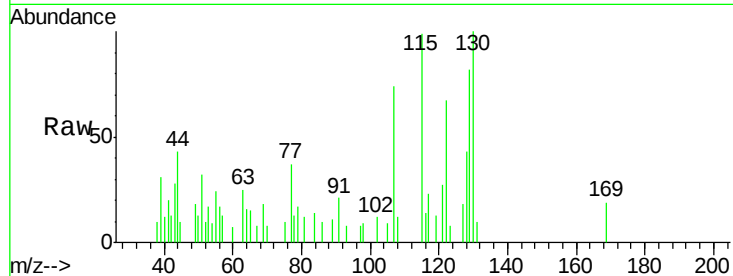




#32
Benzoic acid
Concen: 7.361 ng
RT: 7.93 min Scan# 993
Delta R.T. 0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

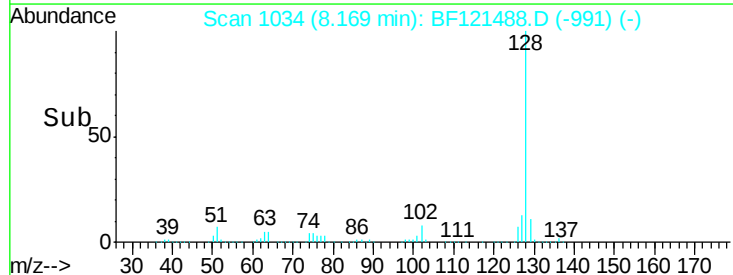
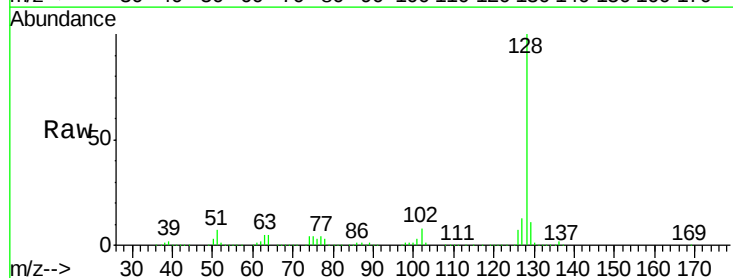
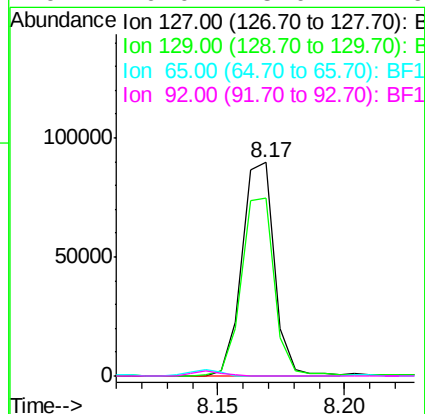
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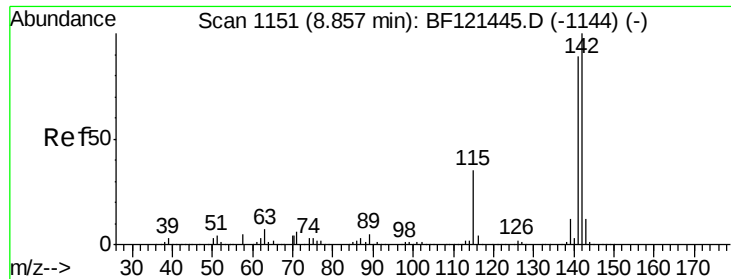
Tot Ion:122 Resp: 5252
Ion Ratio Lower Upper
122 100
105 14.0 100.8 140.8#
77 55.5 71.5 111.5#



#33
4-Chloroaniline
Concen: 3.203 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion:127 Resp: 79908
Ion Ratio Lower Upper
127 100
129 83.2 26.1 39.1#
65 0.0 23.7 35.5#
92 0.0 15.0 22.6#

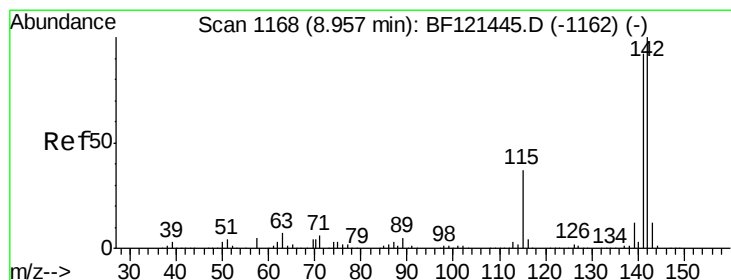
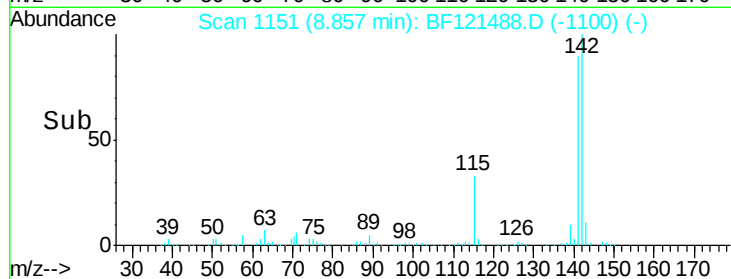
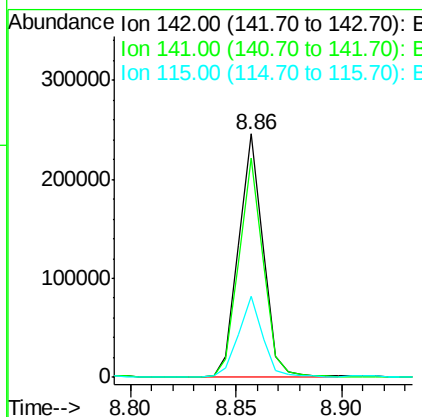
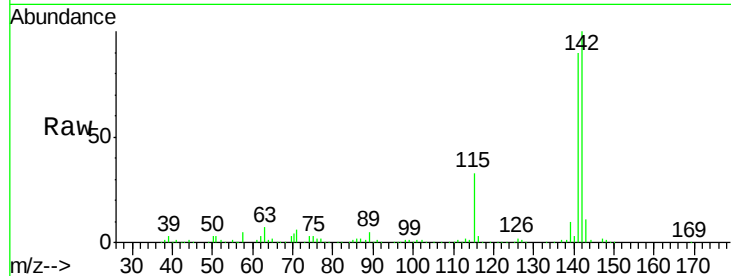




#37
2-Methylnaphthalene
Concen: 5.357 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

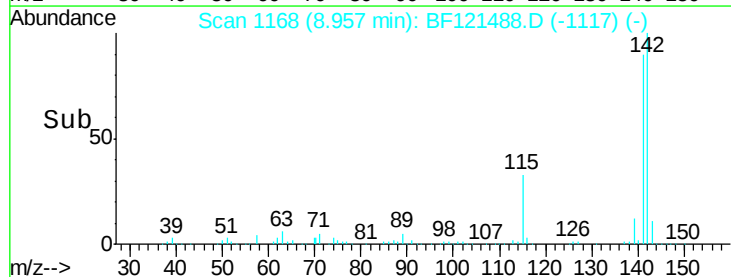
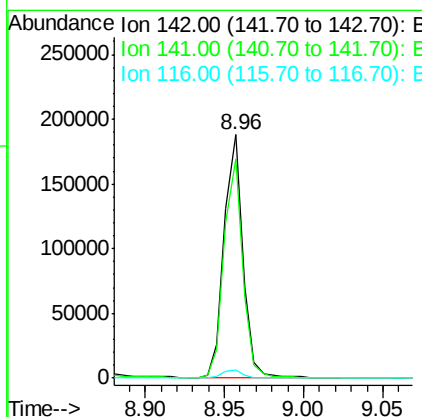
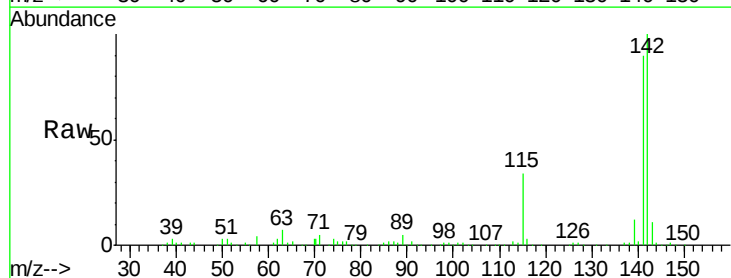
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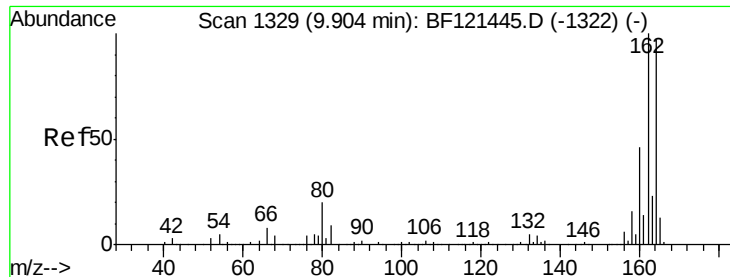
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	33.1	28.2	42.4



#38
1-Methylnaphthalene
Concen: 4.406 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	73.7	110.5
116	3.4	3.1	4.7

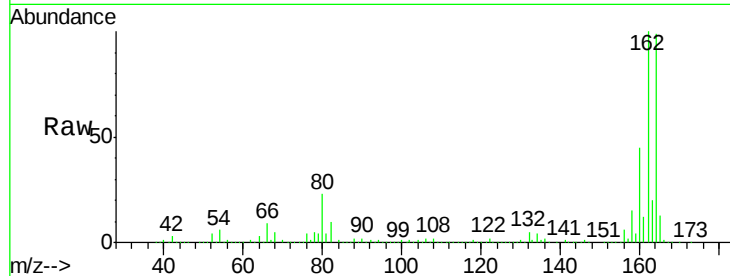




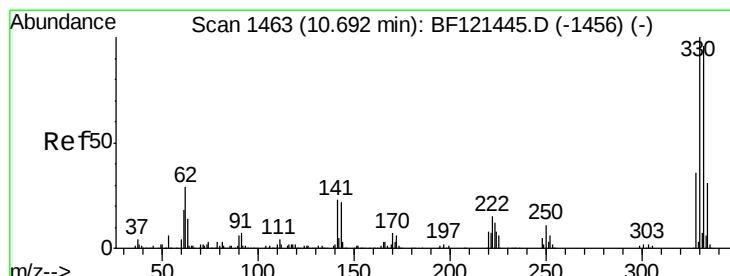
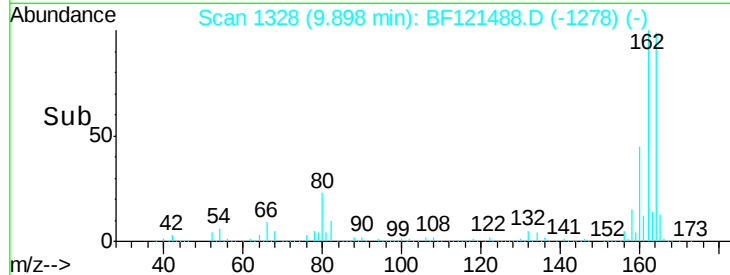
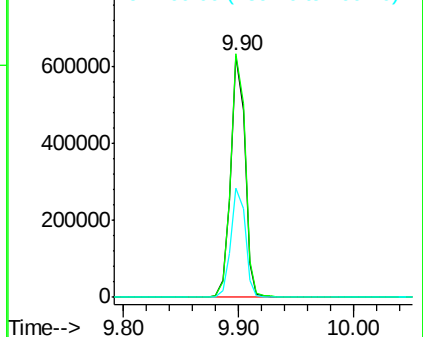
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.4	123.6
160	45.4	37.6	56.4

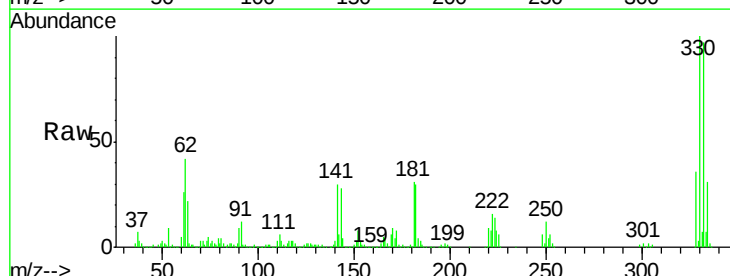


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

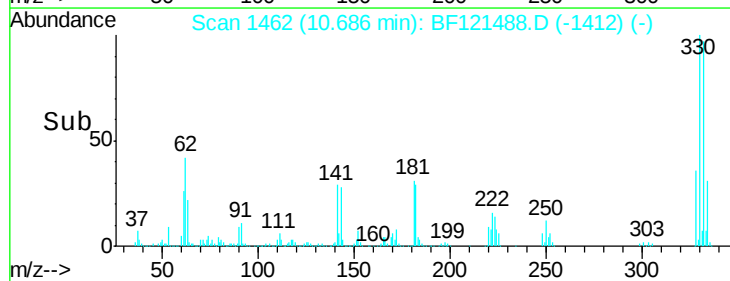
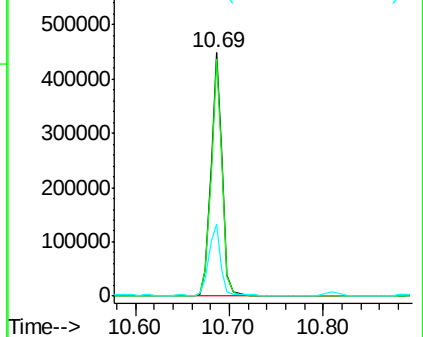


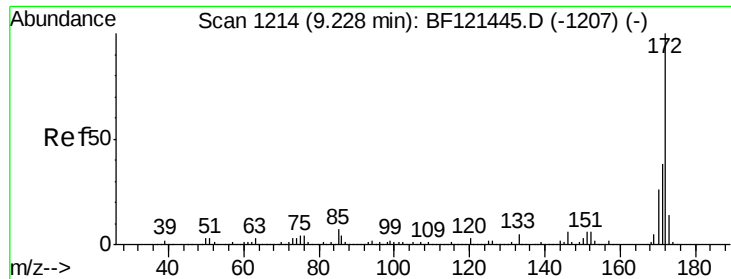
#42
2,4,6-Tribromophenol
Concen: 69.801 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.2	114.2
141	31.2	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



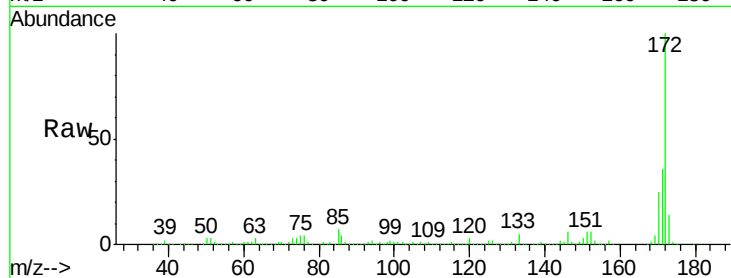


#45
 2-Fluorobiphenyl
 Concen: 53.807 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF121488.D
 Acq: 31 Aug 2020 20:33

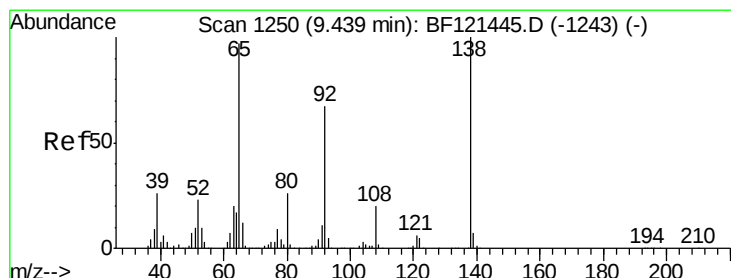
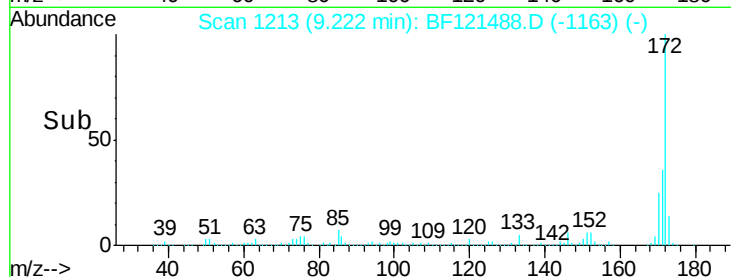
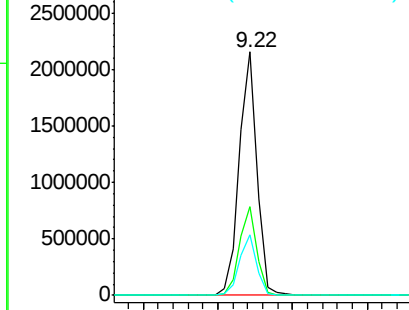
Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-A

Tot Ion:172 Resp: 1794359

Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.6	45.8
170	24.8	20.6	31.0



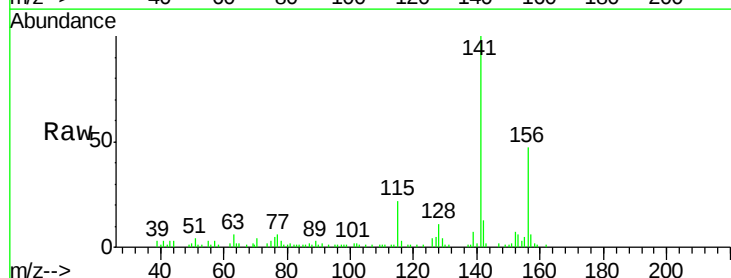
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



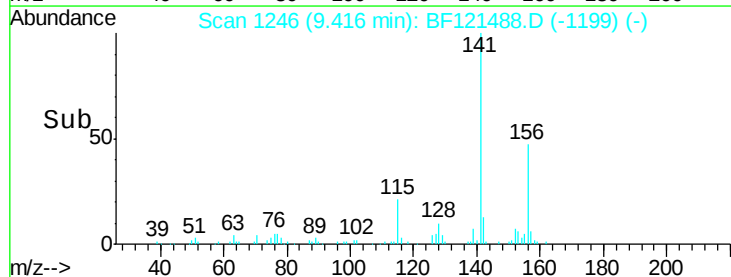
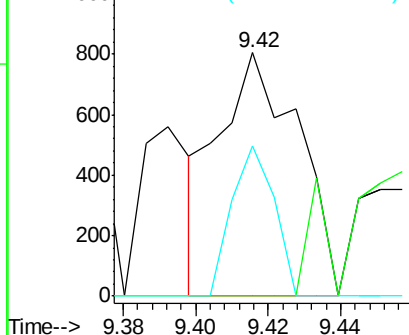
#48
 2-Nitroaniline
 Concen: 6.761 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: BF121488.D
 Acq: 31 Aug 2020 20:33

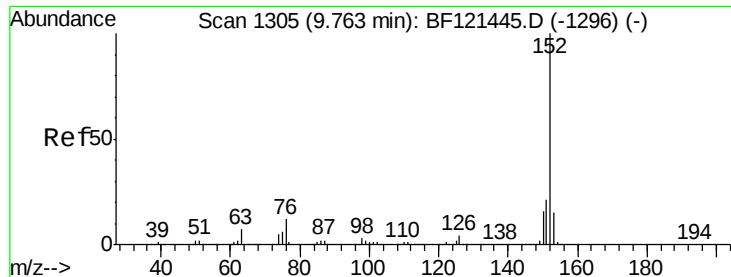
Tgt Ion: 65 Resp: 1231

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.6	83.4#
138	61.9	82.9	124.3#



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





#49

Acenaphthylene

Concen: 4.353 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-A

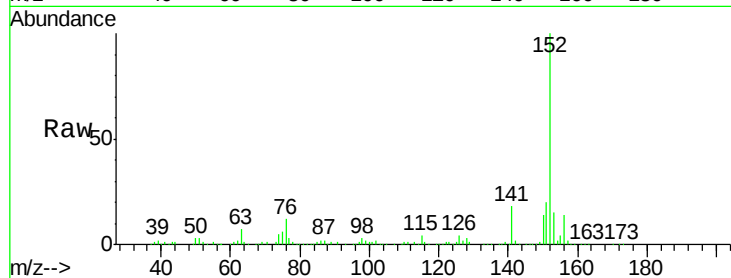
Tot Ion:152 Resp: 217889

Ion Ratio Lower Upper

152 100

151 20.2 17.2 25.8

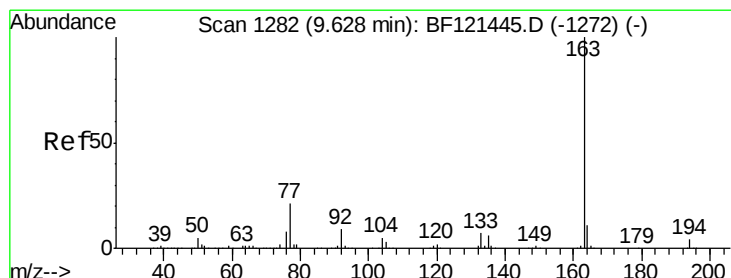
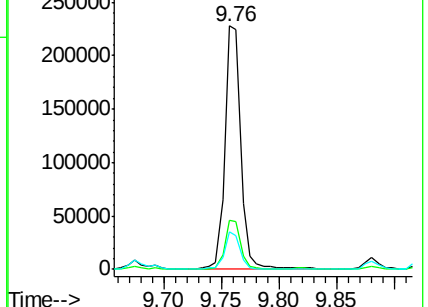
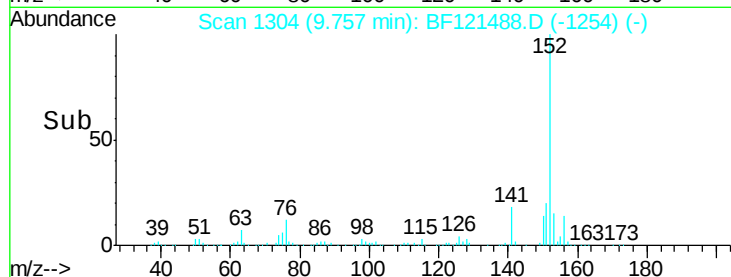
153 15.3 11.6 17.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.960 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

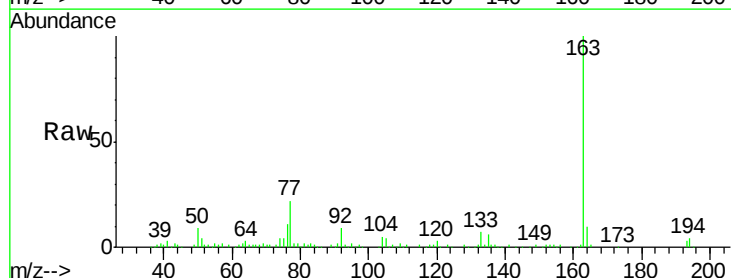
Tgt Ion:163 Resp: 109404

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

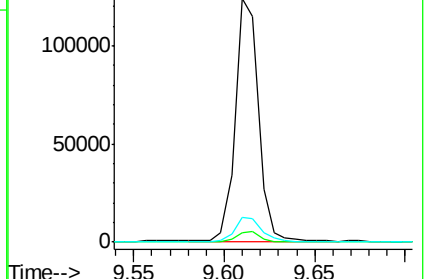
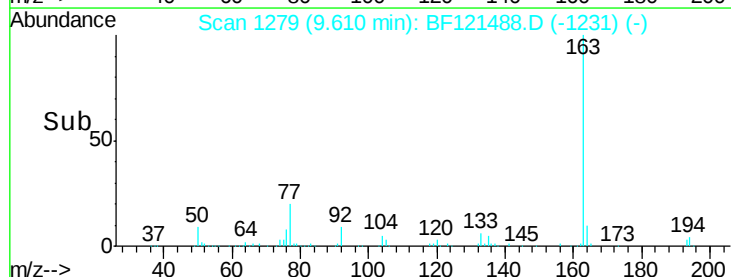
164 10.4 8.6 12.8

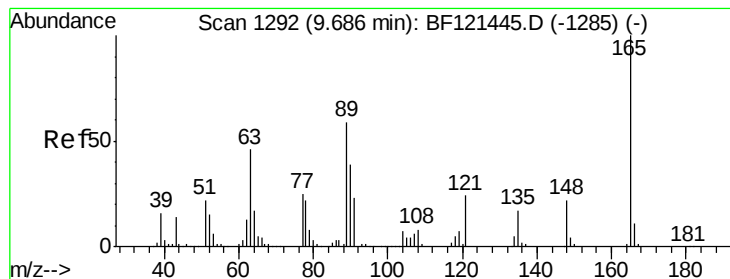


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 16.200 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-A

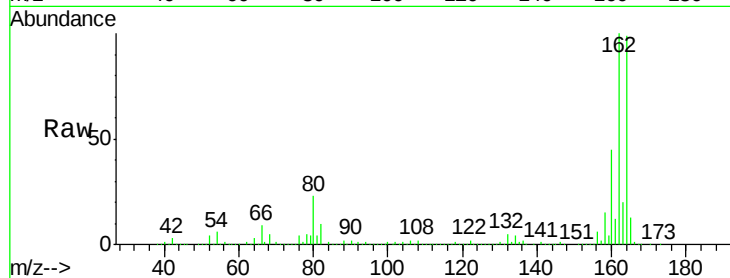
Tot Ion:165 Resp: 78218

Ion Ratio Lower Upper

165 100

63 1.5 43.6 65.4#

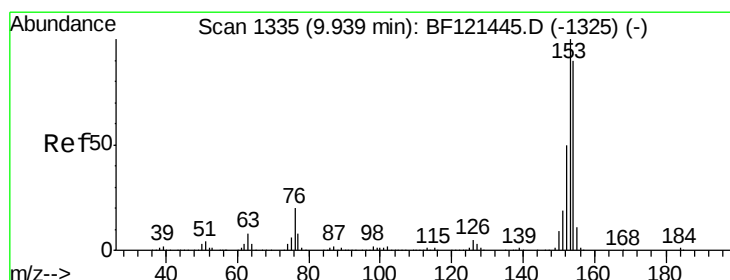
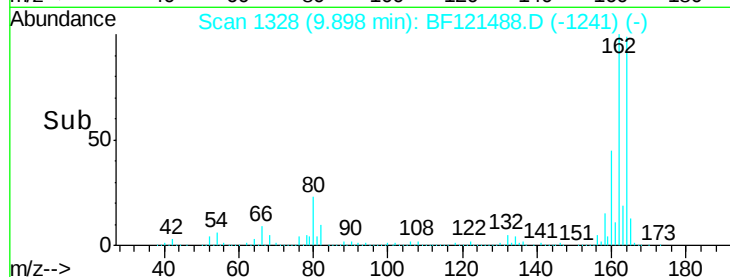
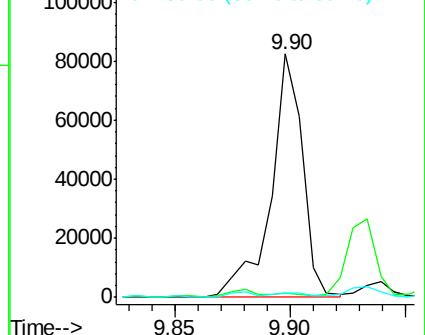
89 1.6 47.4 71.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 8.419 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

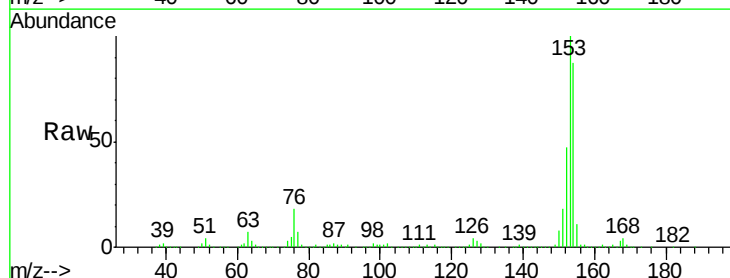
Tgt Ion:154 Resp: 266120

Ion Ratio Lower Upper

154 100

153 114.3 88.9 133.3

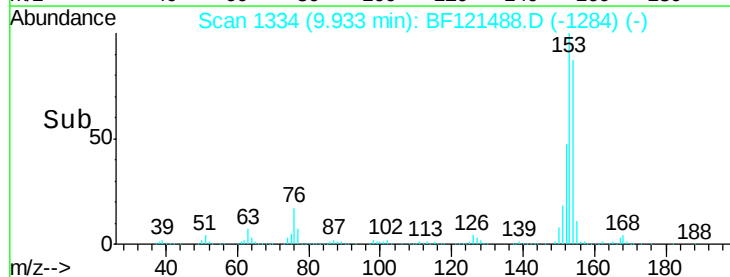
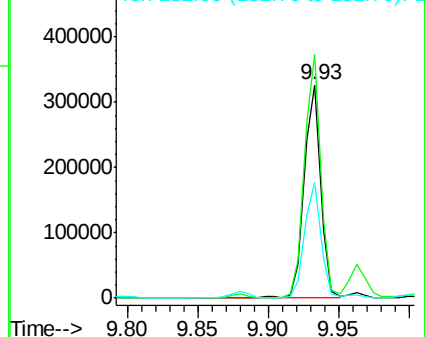
152 54.1 44.1 66.1

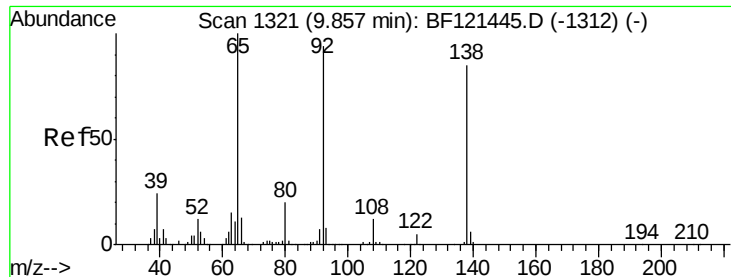


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

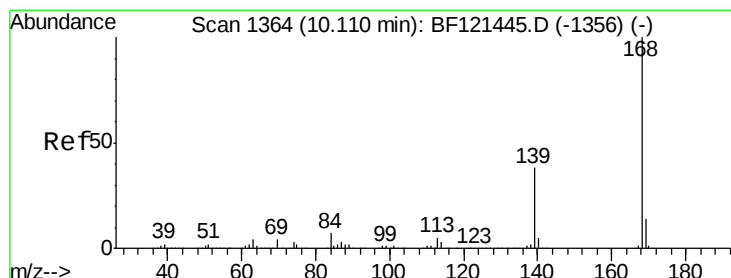
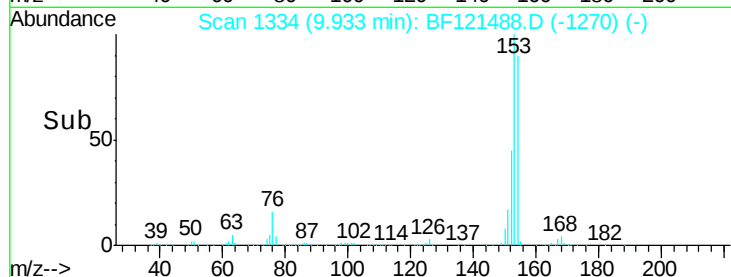
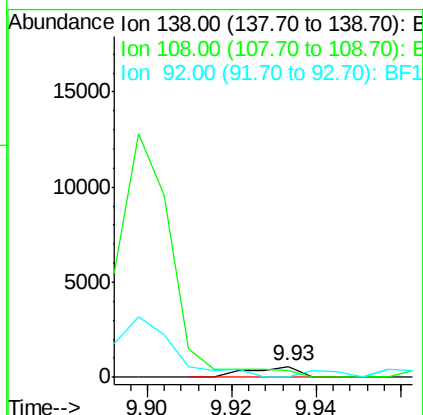
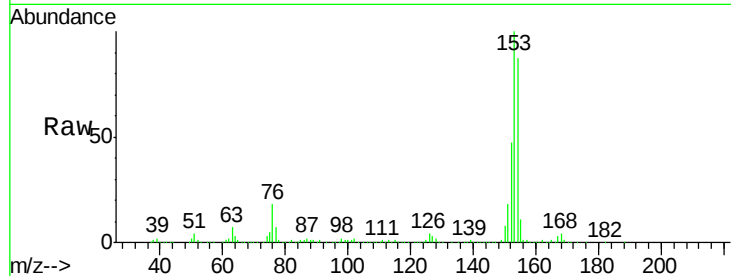




#53
3-Nitroaniline
Concen: 5.497 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.08 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

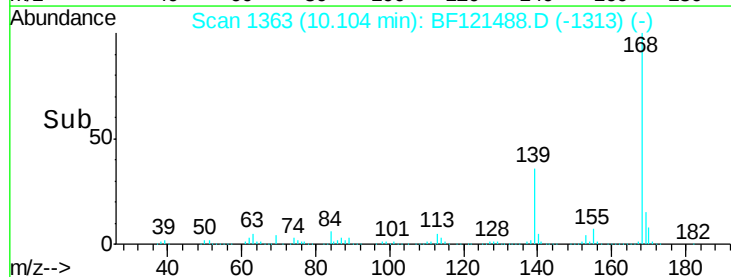
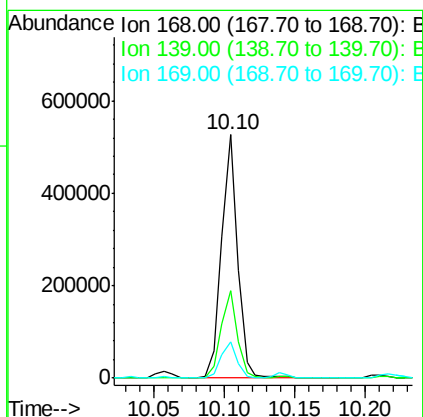
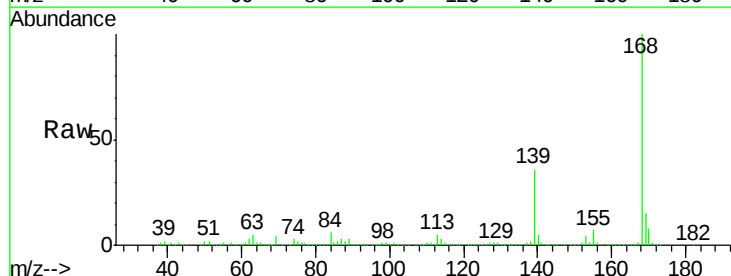
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

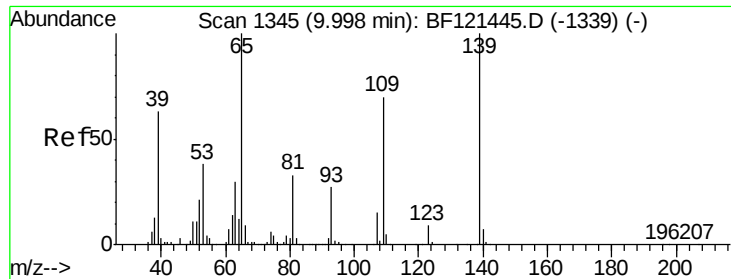
Tot Ion:138 Resp: 449
Ion Ratio Lower Upper
138 100
108 68.7 11.6 17.4#
92 0.0 88.6 132.8#



#55
Dibenzofuran
Concen: 9.087 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion:168 Resp: 417233
Ion Ratio Lower Upper
168 100
139 36.0 30.1 45.1
169 14.8 11.2 16.8

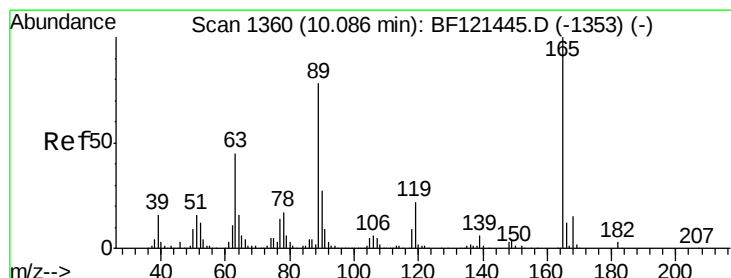
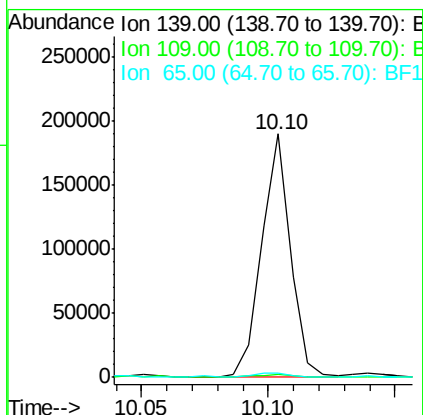
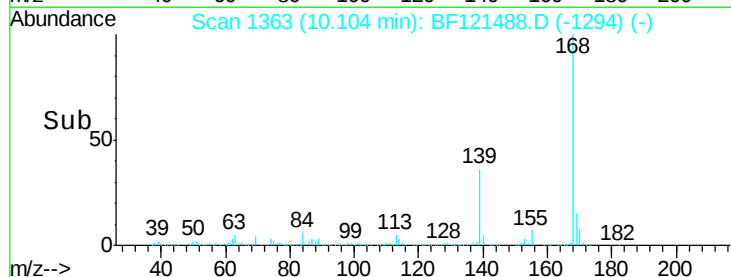
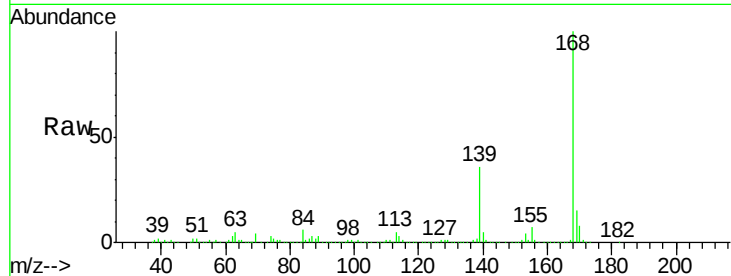




#56
4-Nitrophenol
Concen: 26.871 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.11 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

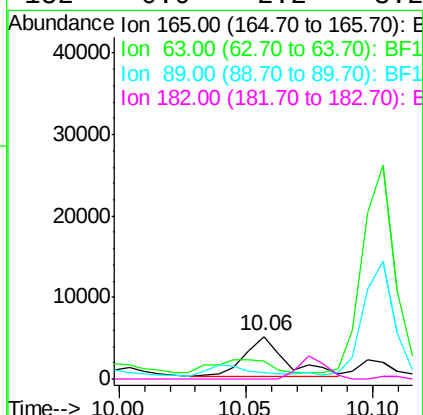
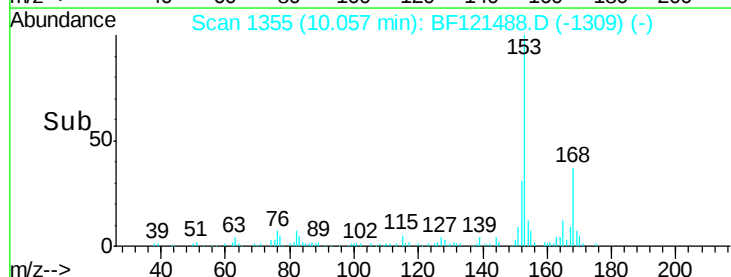
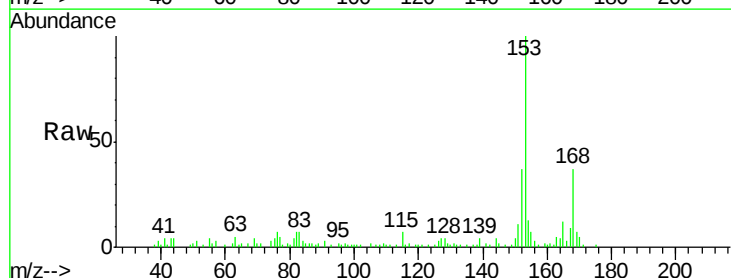
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

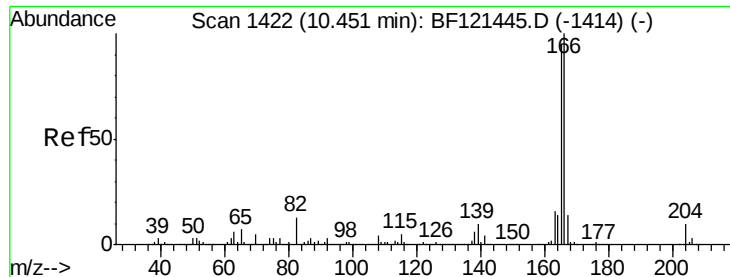
Tot Ion	Ratio	Lower	Upper
139	100		
109	1.2	50.5	90.5#
65	1.9	80.2	120.2#



#57
2,4-Dinitrotoluene
Concen: 7.824 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.03 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	41.4	36.0	54.0
89	15.7	62.6	93.8#
182	0.0	2.2	3.2#





#58

Fluorene

Concen: 14.122 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.01 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-A

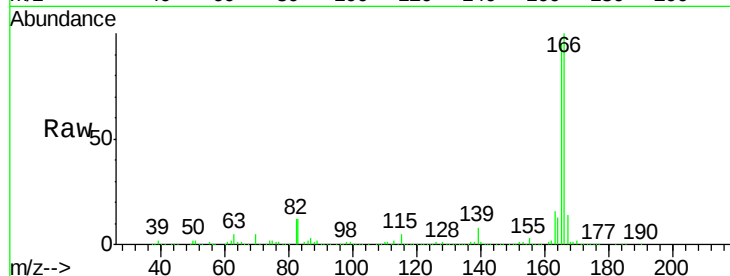
Tot Ion:166 Resp: 488810

Ion Ratio Lower Upper

166 100

165 94.5 75.7 113.5

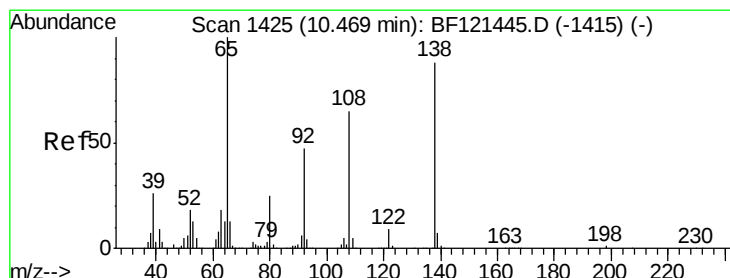
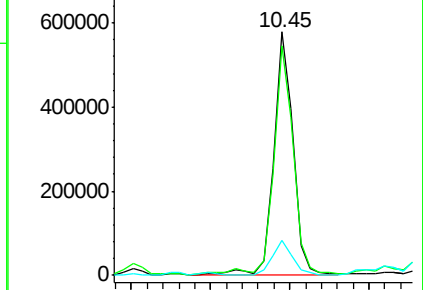
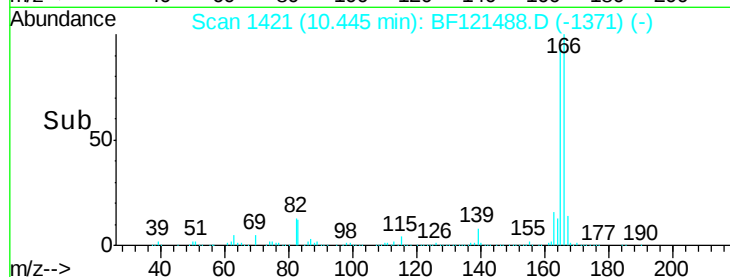
167 14.3 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#62

4-Nitroaniline

Concen: 4.613 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.04 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

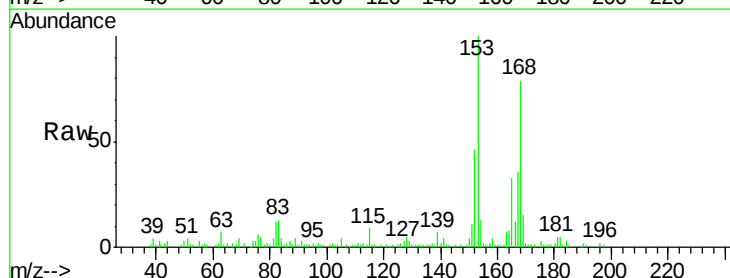
Tgt Ion:138 Resp: 771

Ion Ratio Lower Upper

138 100

92 67.1 33.2 73.2

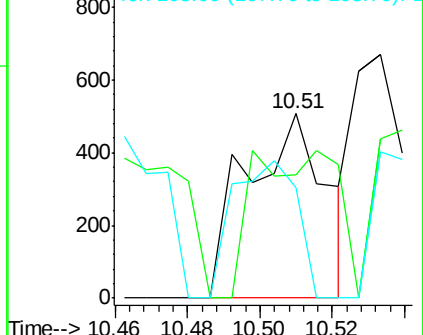
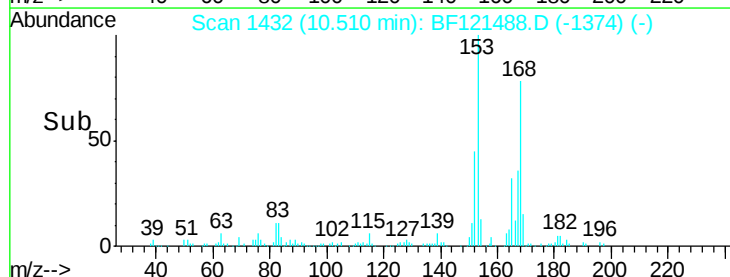
108 60.2 53.6 93.6

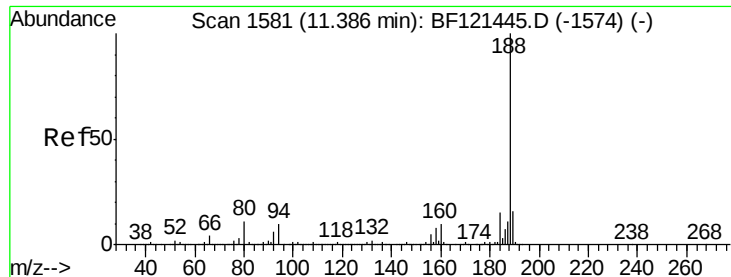


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-A

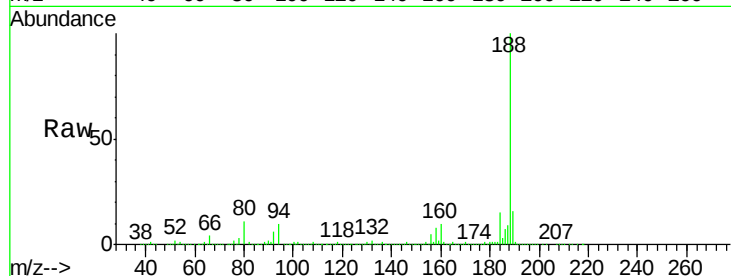
Tot Ion:188 Resp: 897348

Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

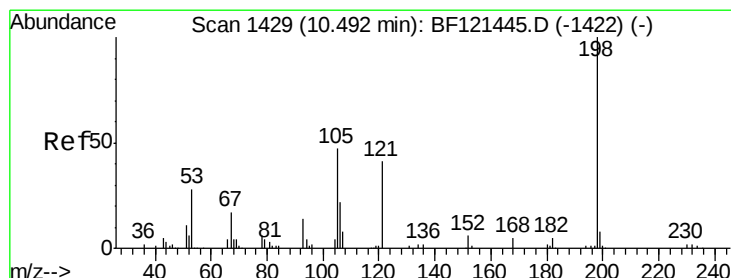
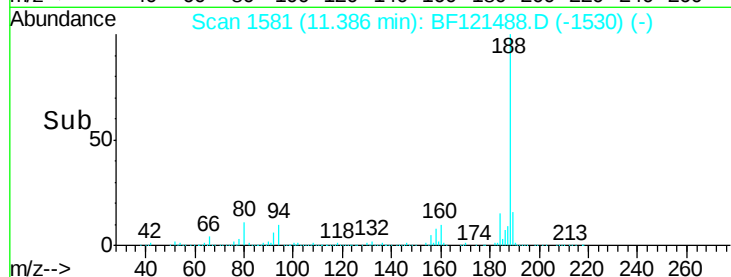
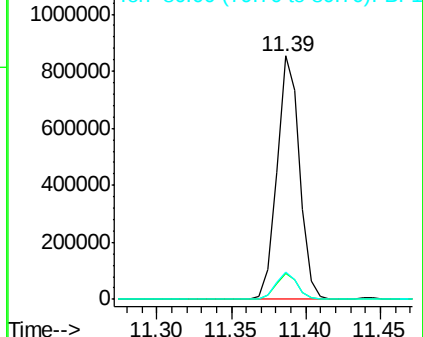
80 11.3 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 5.616 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.15 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

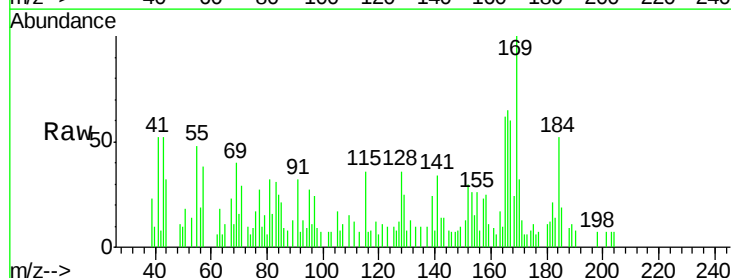
Tgt Ion:198 Resp: 345

Ion Ratio Lower Upper

198 100

51 264.4 29.0 69.0#

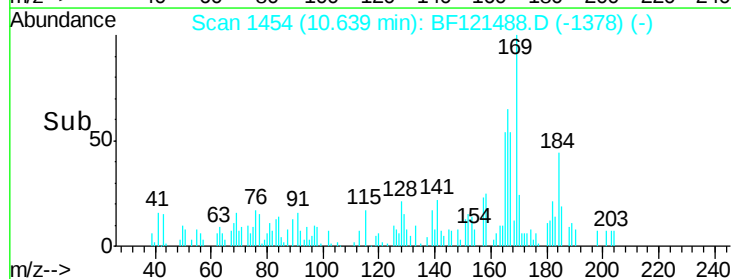
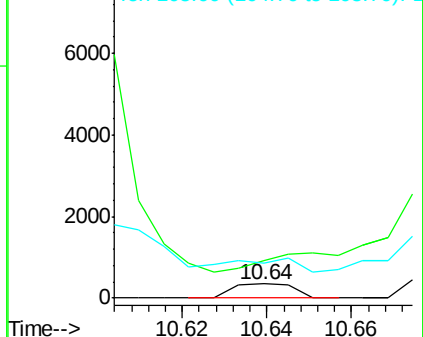
105 242.1 29.1 69.1#

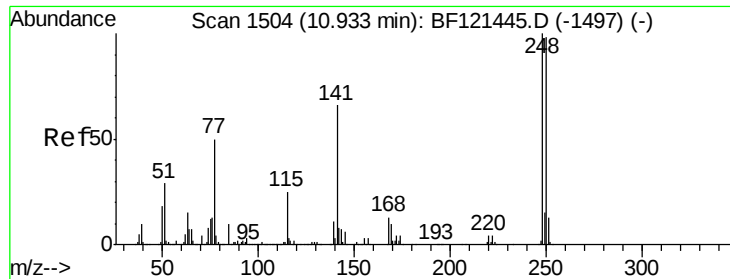


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

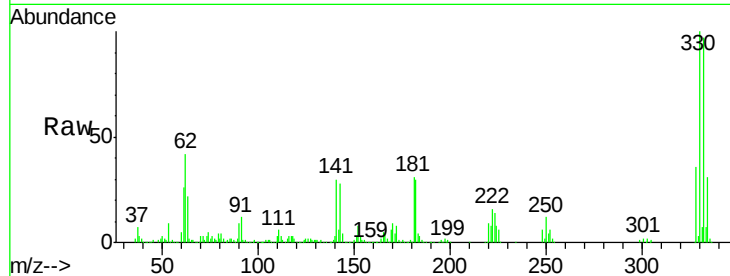




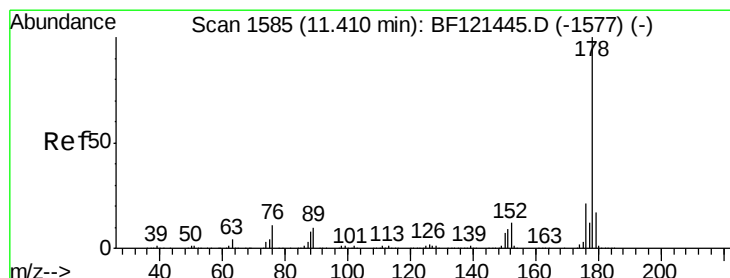
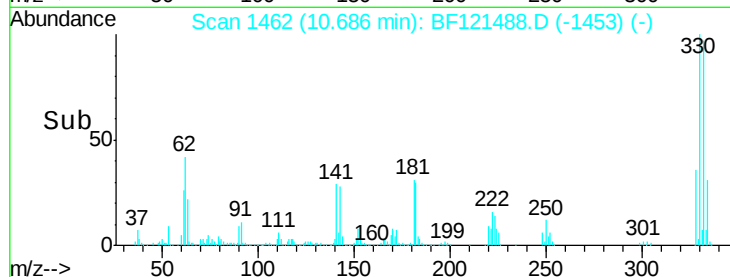
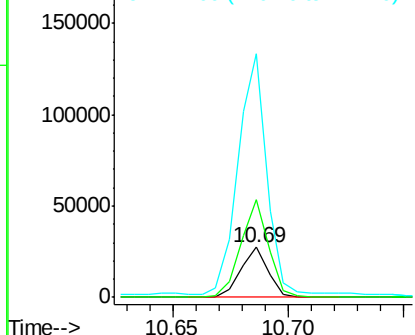
#67
 4-Bromophenyl-phenylether
 Concen: 2.315 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.25 min
 Lab File: BF121488.D
 Acq: 31 Aug 2020 20:33

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-A

Tot Ion:248 Resp: 22855
 Ion Ratio Lower Upper
 248 100
 250 196.3 78.7 118.1#
 141 486.8 52.6 78.8#

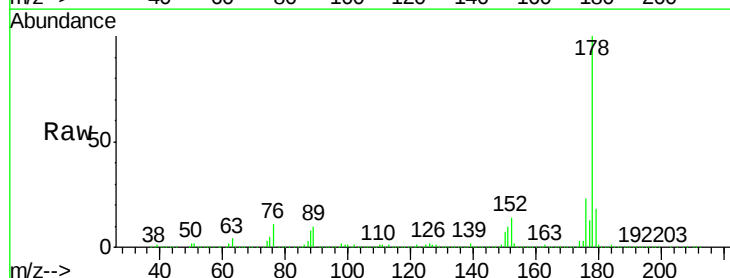


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

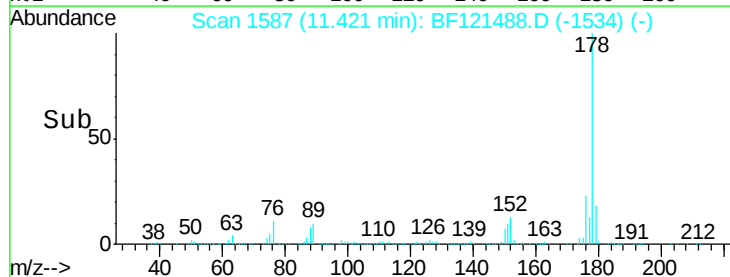
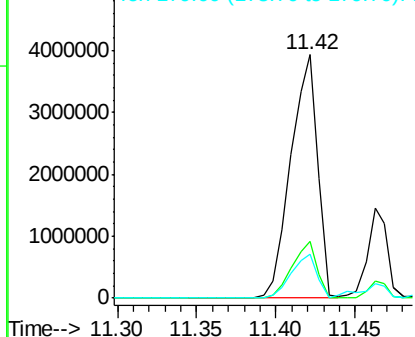


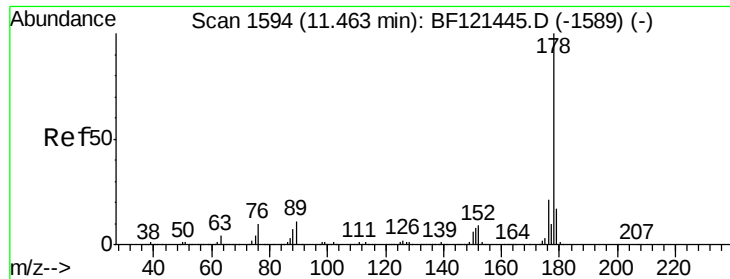
#71
 Phenanthrene
 Concen: 100.043 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF121488.D
 Acq: 31 Aug 2020 20:33

Tgt Ion:178 Resp: 4607012
 Ion Ratio Lower Upper
 178 100
 176 23.1 16.9 25.3
 179 18.1 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

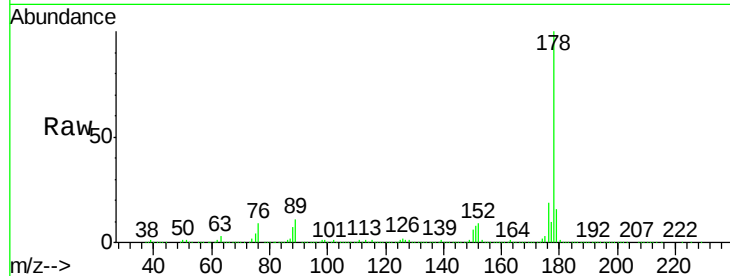




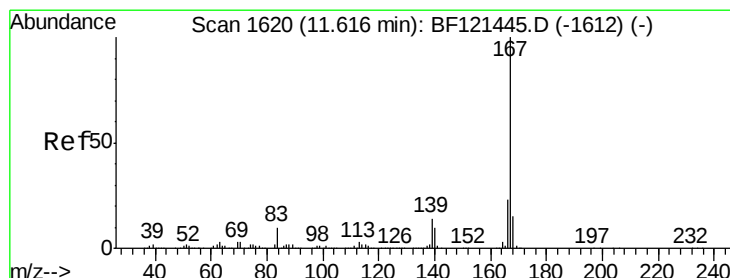
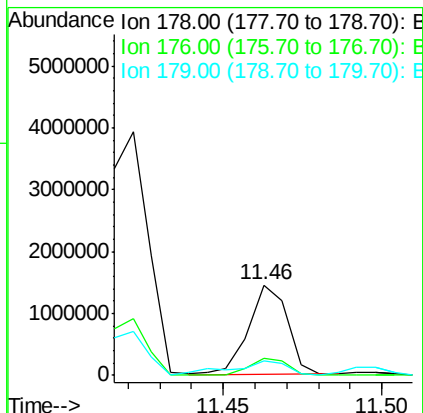
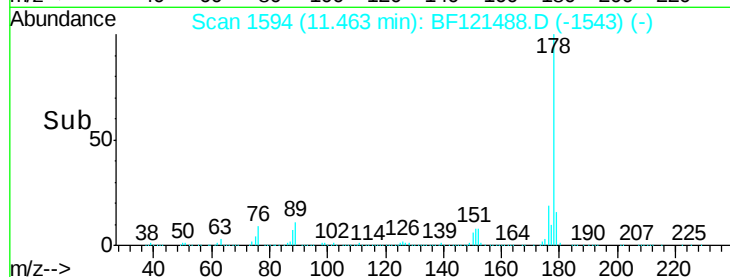
#72
 Anthracene
 Concen: 27.100 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: BF121488.D
 Acq: 31 Aug 2020 20:33

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-A

Tot Ion:178 Resp: 1227409
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.7 25.1
 179 16.0 13.4 20.2

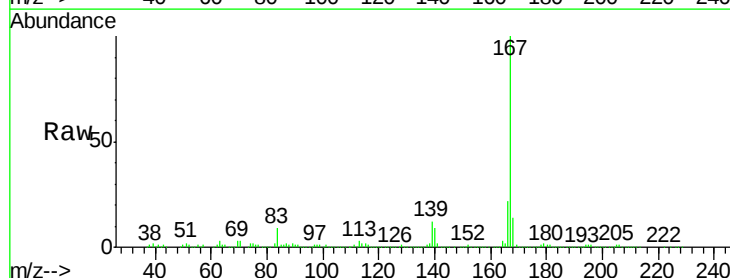


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

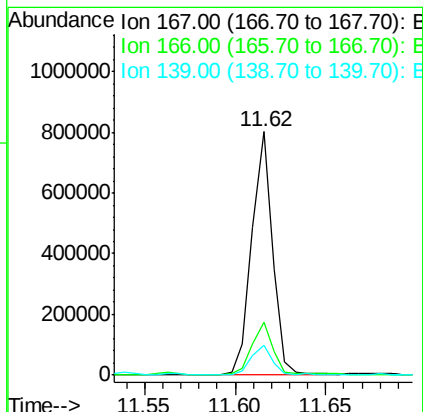
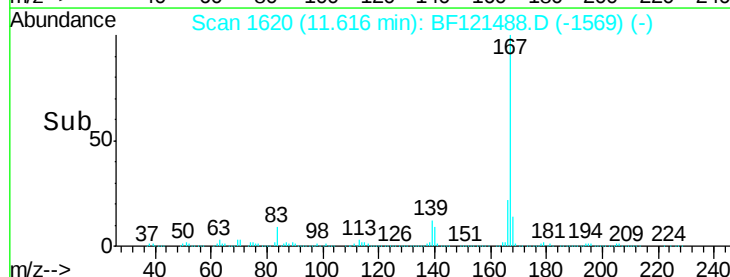


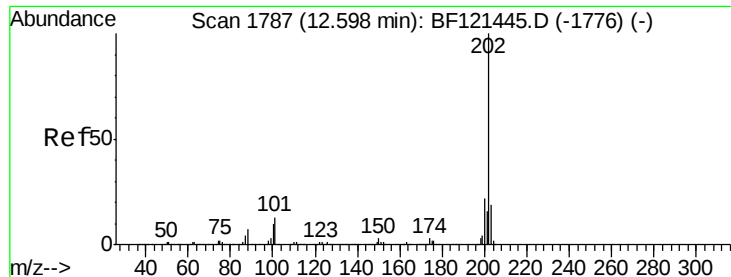
#73
 Carbazole
 Concen: 14.583 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: BF121488.D
 Acq: 31 Aug 2020 20:33

Tgt Ion:167 Resp: 636917
 Ion Ratio Lower Upper
 167 100
 166 21.9 18.4 27.6
 139 12.5 11.0 16.6



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 114.864 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.02 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-A

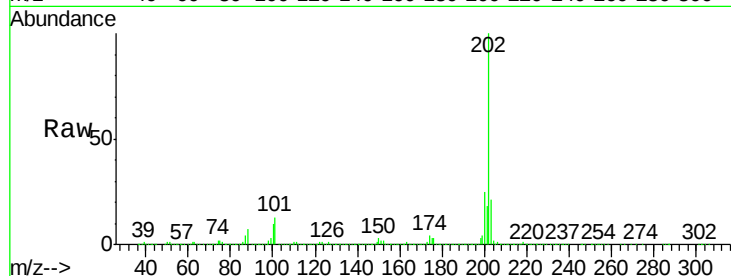
Tot Ion:202 Resp: 5700708

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.3

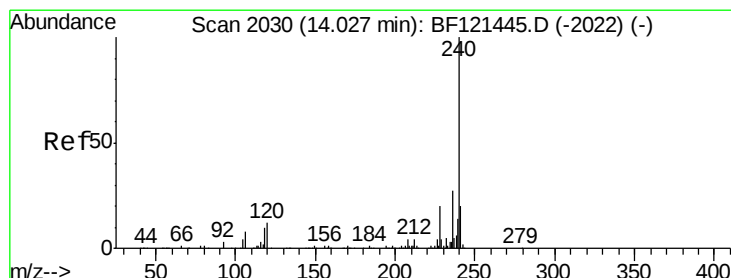
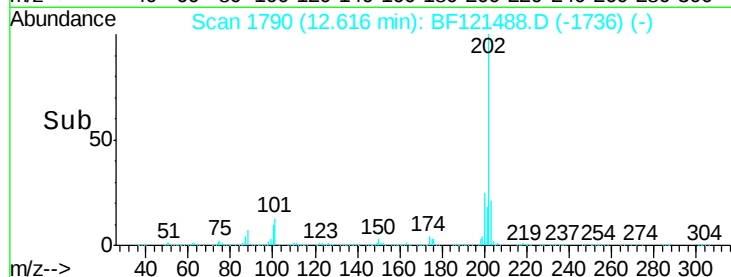
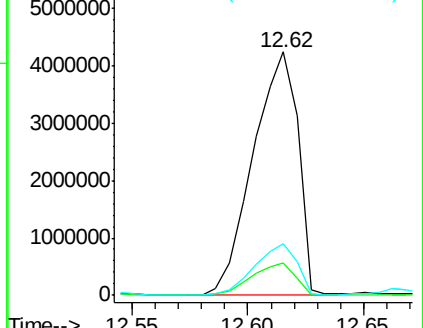
203 21.3 0.0 39.1



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: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

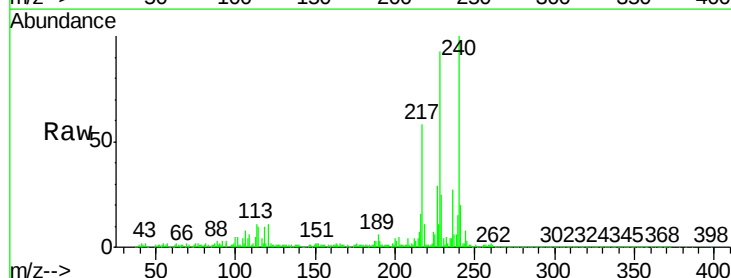
Tgt Ion:240 Resp: 575945

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

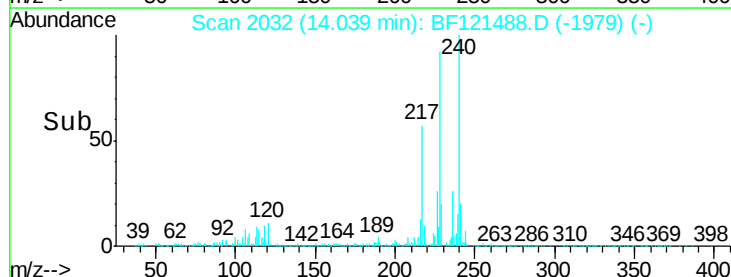
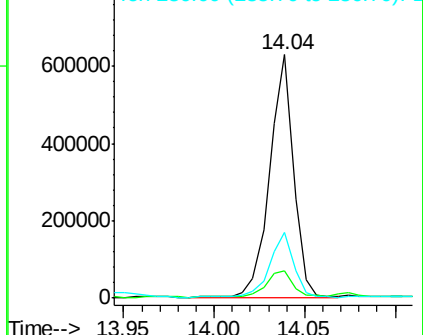
236 26.9 21.8 32.6

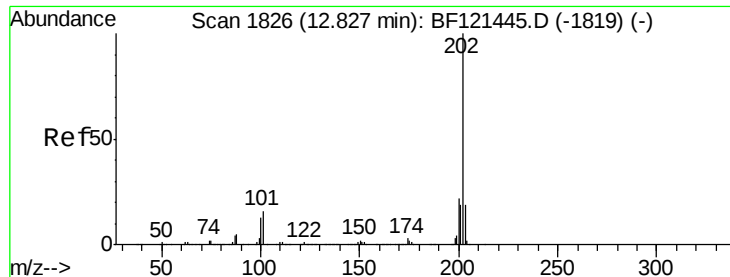


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

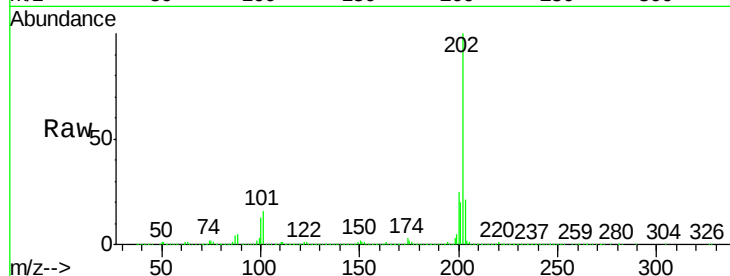




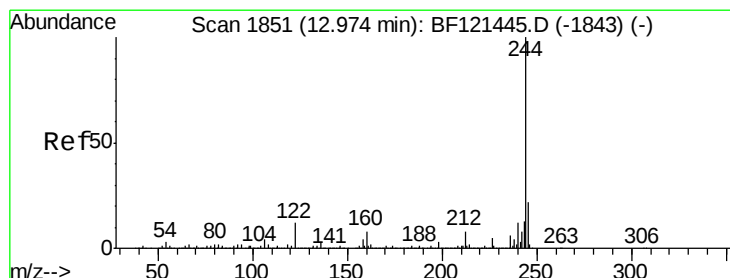
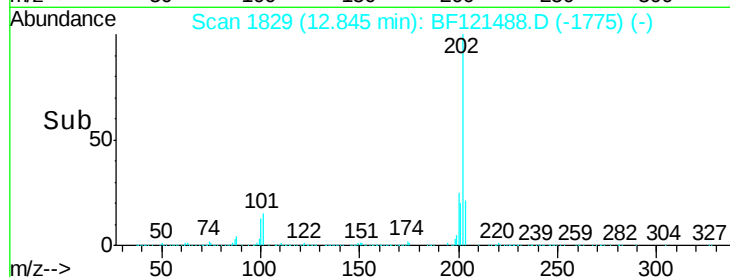
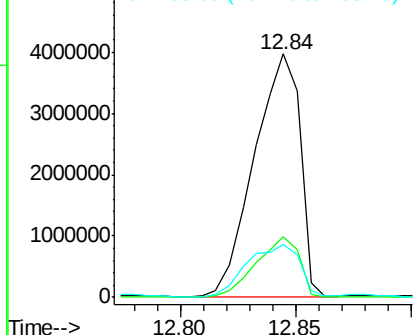
#78
Pvrene
Concen: 132.890 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.02 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Tot Ion:202 Resp: 5466126
Ion Ratio Lower Upper
202 100
200 24.6 18.0 27.0
203 21.5 15.3 22.9

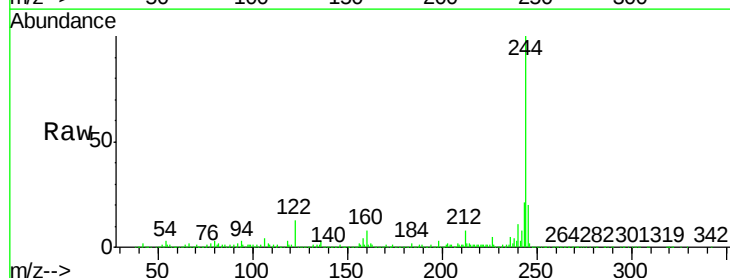


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

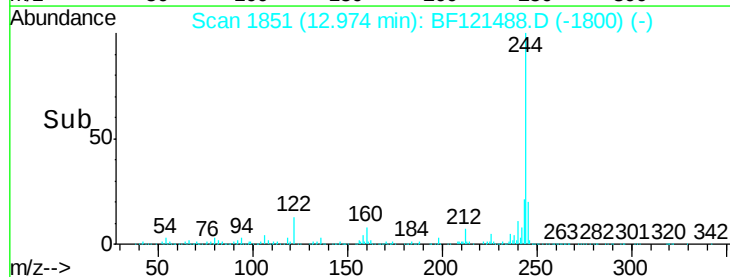
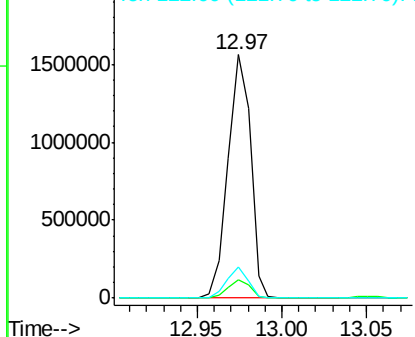


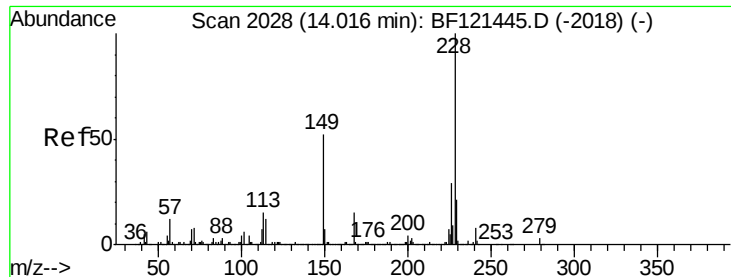
#79
Terphenyl-d14
Concen: 52.802 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion:244 Resp: 1444723
Ion Ratio Lower Upper
244 100
212 7.5 6.3 9.5
122 12.9 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

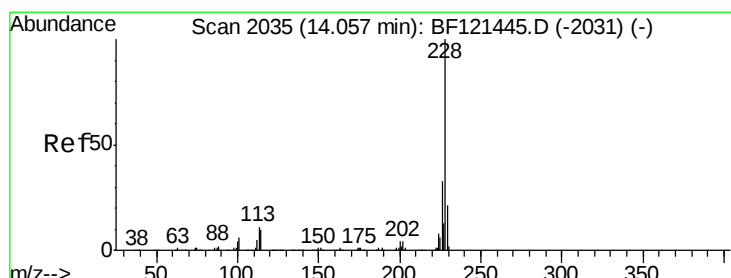
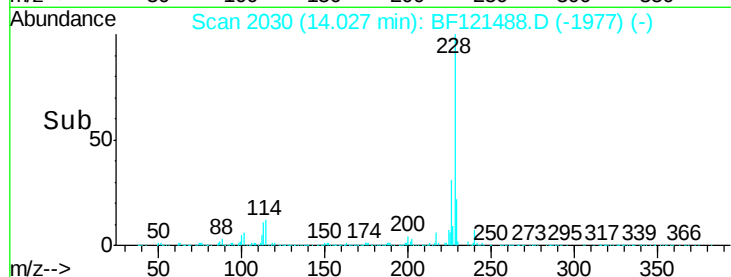
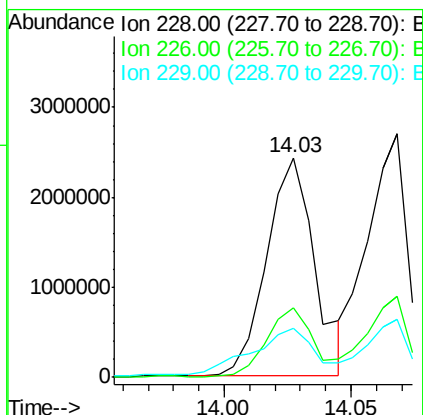
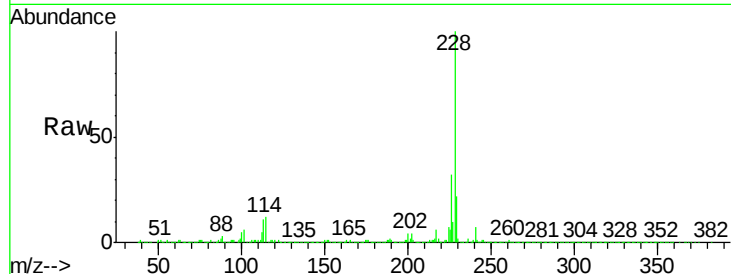




#81
Benzo(a)anthracene
Concen: 90.711 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

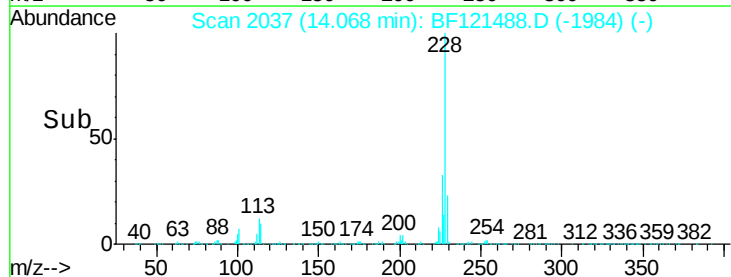
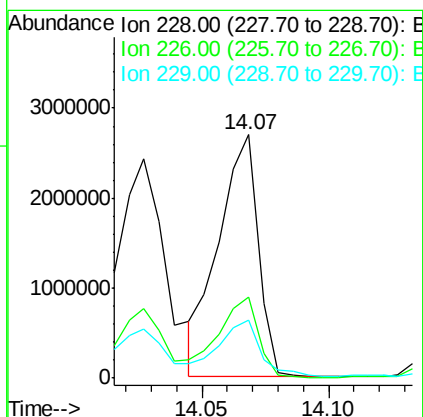
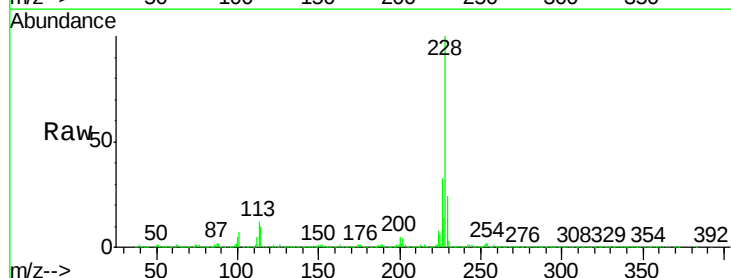
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

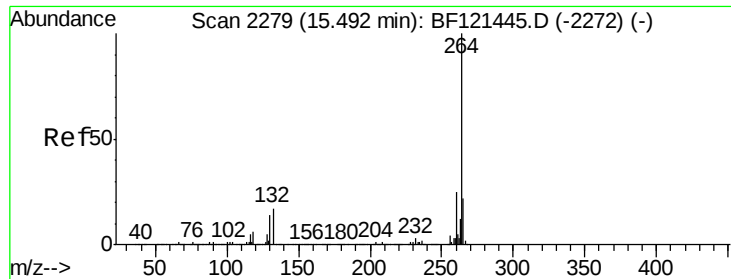
Tot Ion:228 Resp: 3189268
Ion Ratio Lower Upper
228 100
226 31.6 23.0 34.4
229 22.4 16.6 24.8



#83
Chrysene
Concen: 83.404 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion:228 Resp: 2933730
Ion Ratio Lower Upper
228 100
226 33.4 26.2 39.2
229 23.9 16.6 25.0

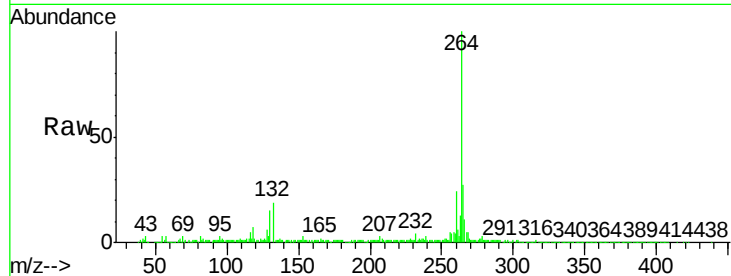




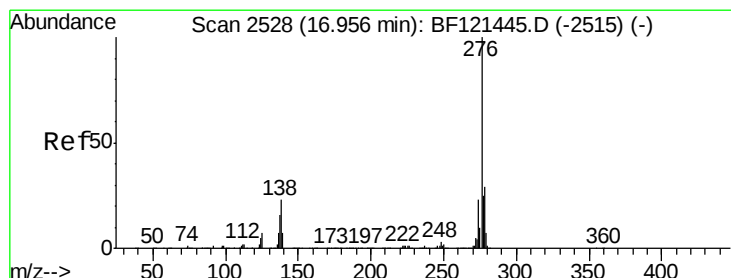
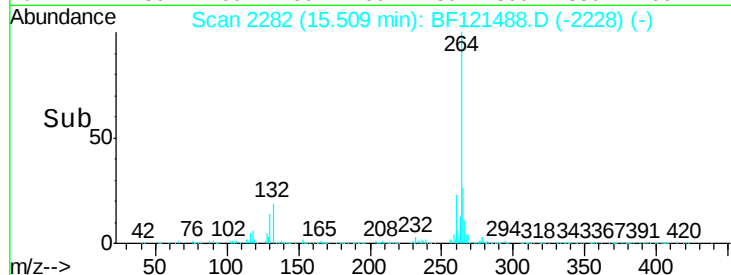
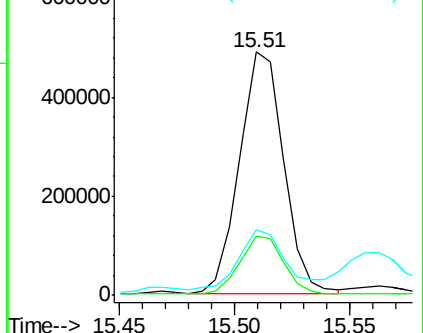
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.02 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

Tot Ion:264 Resp: 649541
Ion Ratio Lower Upper
264 100
260 24.2 19.6 29.4
265 26.7 17.8 26.6#

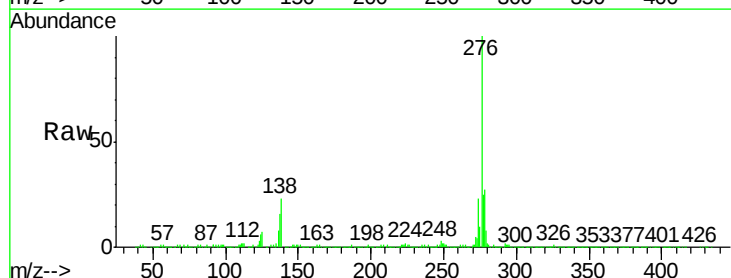


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

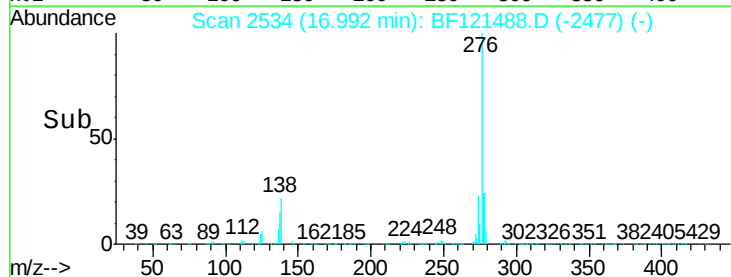
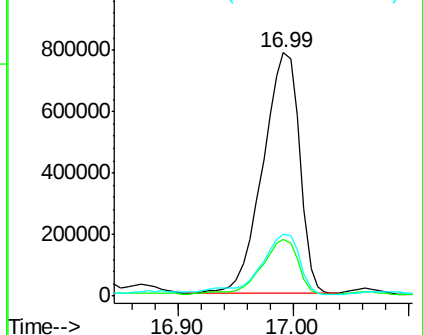


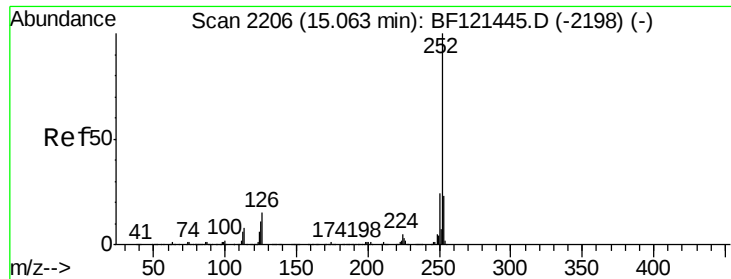
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.371 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.04 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion:276 Resp: 1733344
Ion Ratio Lower Upper
276 100
138 22.9 20.6 31.0
277 27.6 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

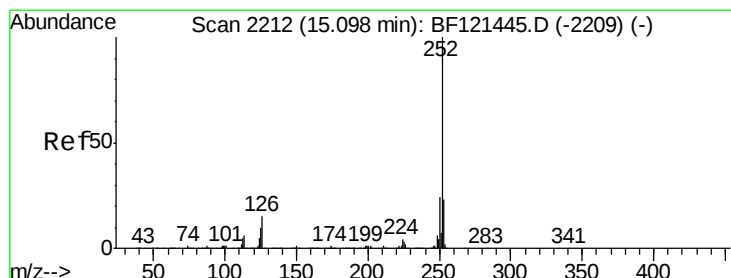
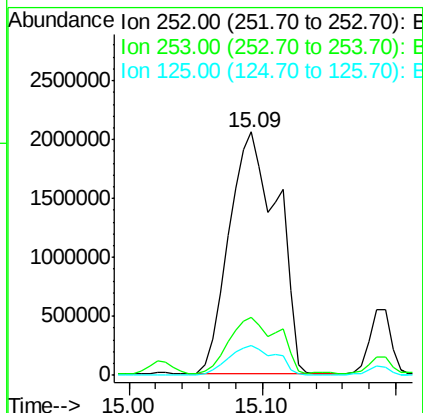
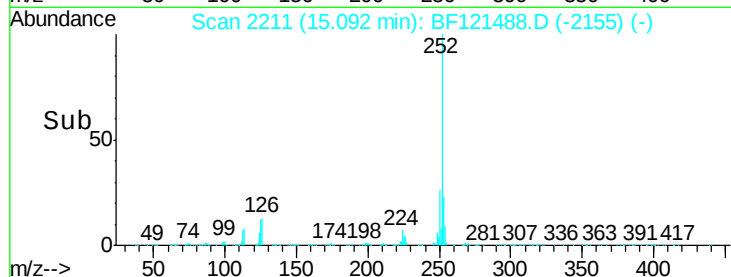
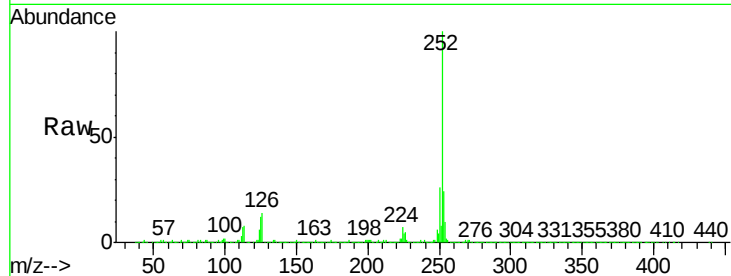




#88
Benzo(b)fluoranthene
Concen: 123.220 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.03 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

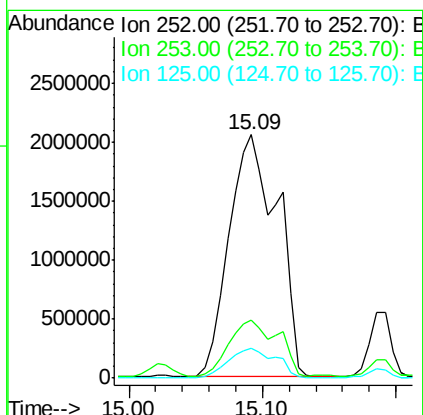
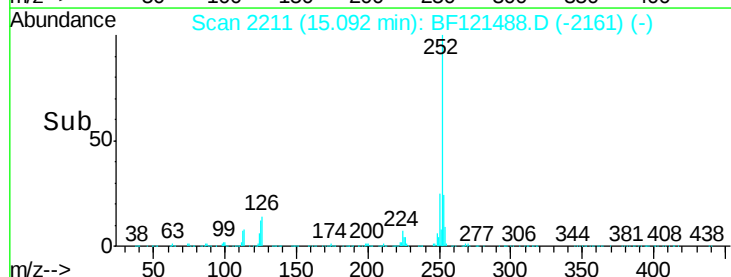
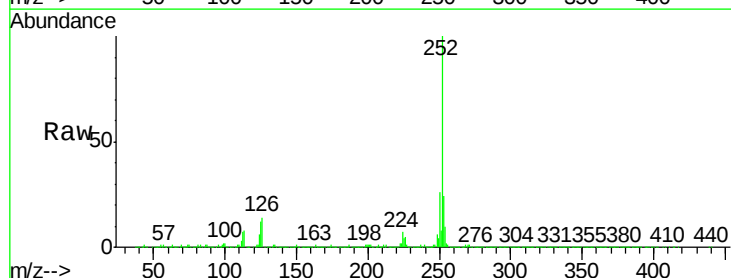
Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-A

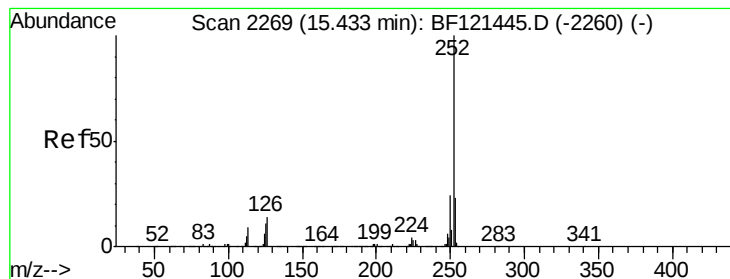
Tot Ion:252 Resp: 5206335
Ion Ratio Lower Upper
252 100
253 23.8 18.3 27.5
125 12.0 9.2 13.8



#89
Benzo(k)fluoranthene
Concen: 132.476 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF121488.D
Acq: 31 Aug 2020 20:33

Tgt Ion:252 Resp: 5206335
Ion Ratio Lower Upper
252 100
253 23.8 18.3 27.5
125 12.0 8.5 12.7





#90

Benzo(a)pyrene

Concen: 75.147 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.03 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-A

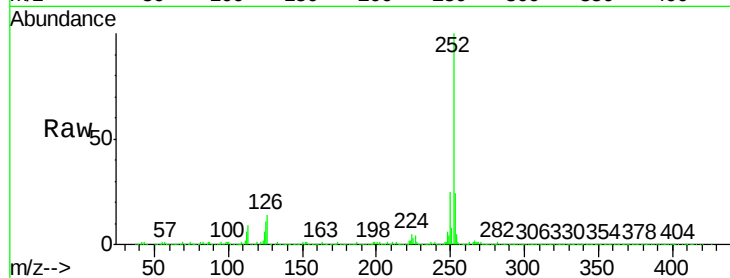
Tot Ion:252 Resp: 2855099

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

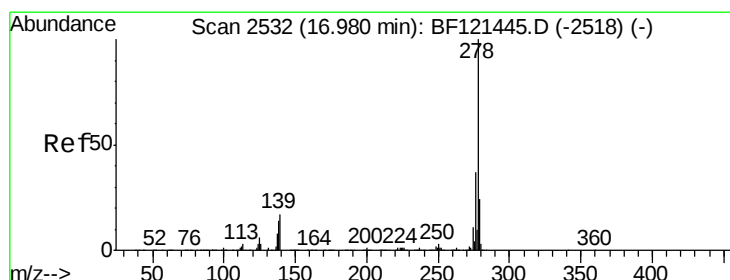
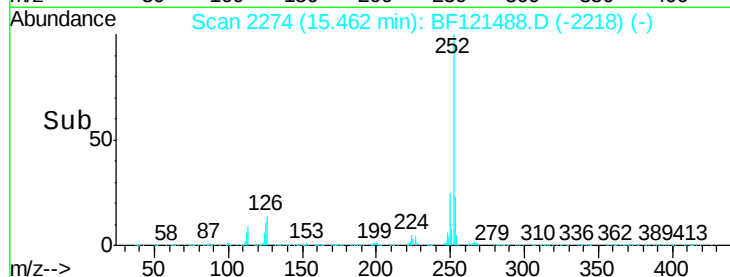
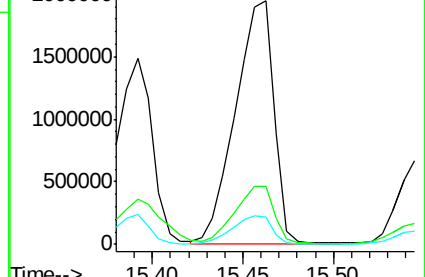
125 11.5 9.0 13.4



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



#91

Dibenzo(a,h)anthracene

Concen: 11.371 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.18 min

Lab File: BF121488.D

Acq: 31 Aug 2020 20:33

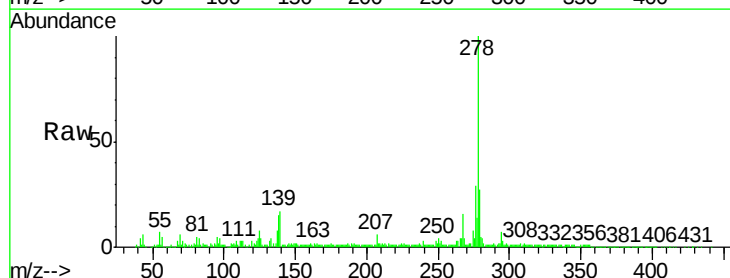
Tgt Ion:278 Resp: 372008

Ion Ratio Lower Upper

278 100

139 17.0 13.3 19.9

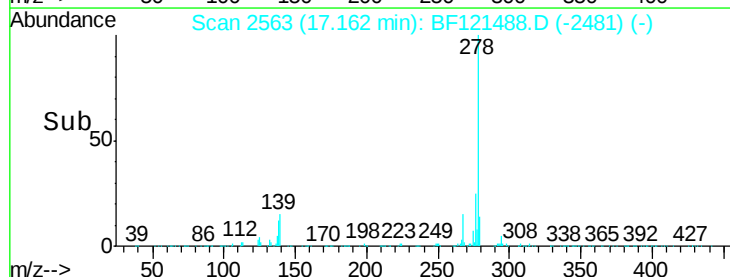
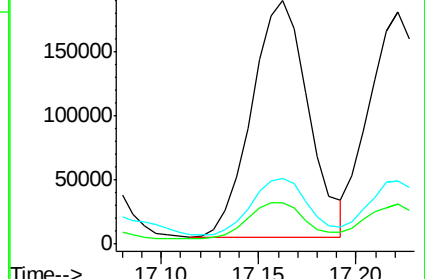
279 27.2 19.4 29.0

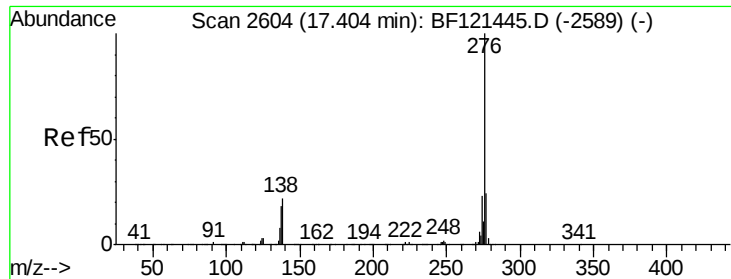


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 51.805 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.04 min
 Lab File: BF121488.D
 Acq: 31 Aug 2020 20:33

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-A

Tot Ion:276 Resp: 1632567
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.9 28.3
 138 22.9 17.4 26.0

