

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090820\
 Data File : BF121523.D
 Acq On : 8 Sep 2020 15:43
 Operator : JU/CG
 Sample : PB131478BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB131478BL

Quant Time: Sep 08 17:01:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 17:52:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	366651	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1398135	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	733872	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1430542	20.00	ng	0.00
76) Chrysene-d12	14.00	240	1236292	20.00	ng	-0.02
86) Perylene-d12	15.46	264	1149427	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	2164558	99.05	ng	0.00
7) Phenol-d6	6.47	99	2787872	91.29	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1789923	87.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	926174	124.95	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	3190513	70.15	ng	0.00
79) Terphenyl-d14	12.95	244	3532157	60.14	ng	0.00

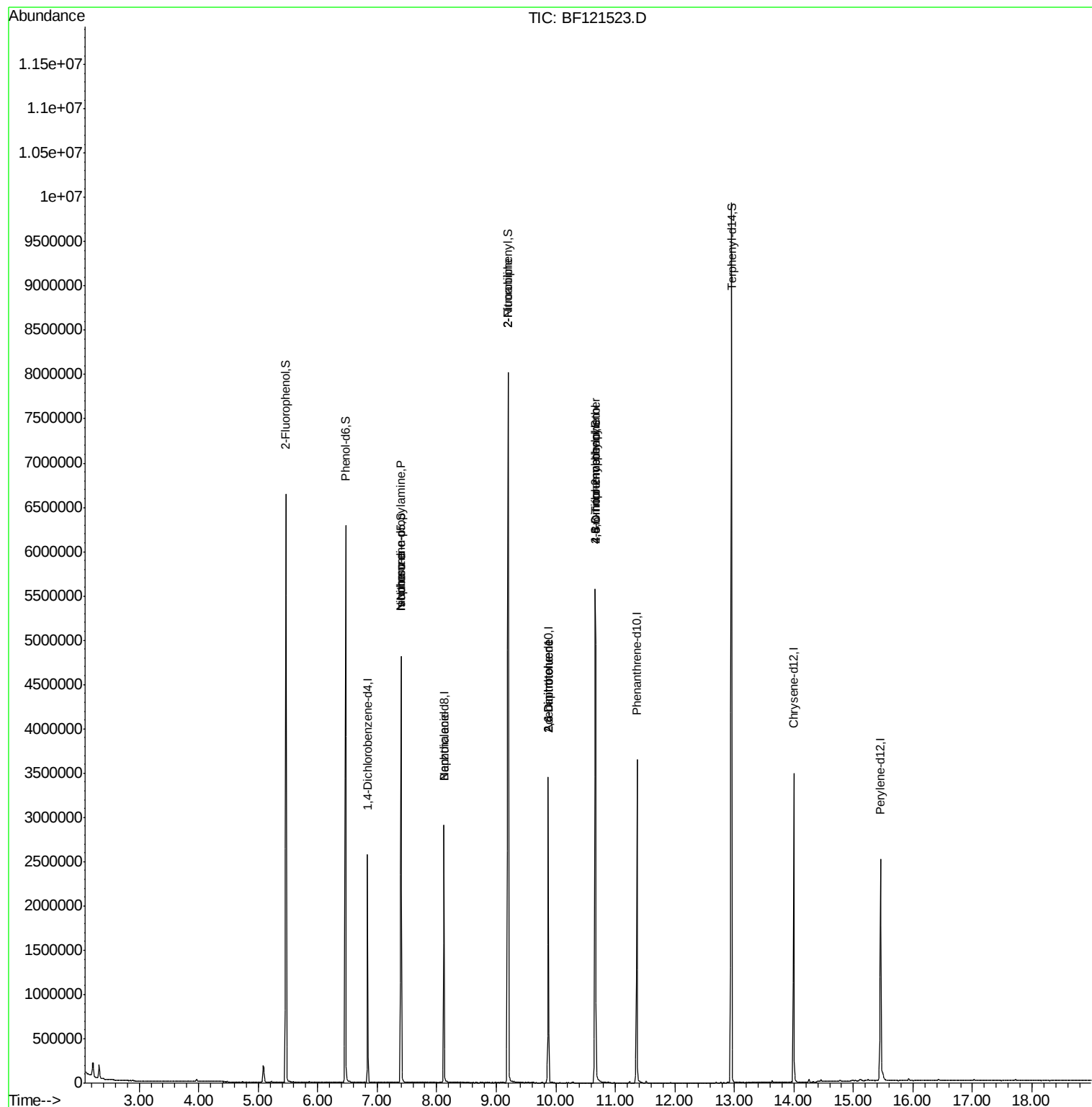
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	4116	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.40	70	236105	13.834	ng	# 77
25) Isophorone	7.40	82	1775058	38.589	ng	# 63
32) Benzoic acid	8.12	122	143	6.675	ng	# 1
48) 2-Nitroaniline	9.20	65	5303	7.005	ng	# 1
51) 2,6-Dinitrotoluene	9.87	165	94687	15.101	ng	# 22
57) 2,4-Dinitrotoluene	9.87	165	94687	14.183	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.66	198	1588	6.060	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	51279	3.258	ng	# 1

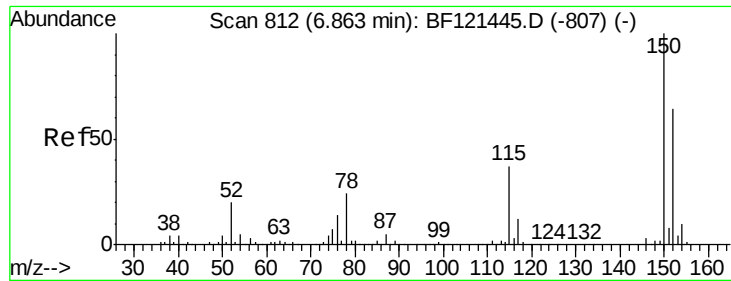
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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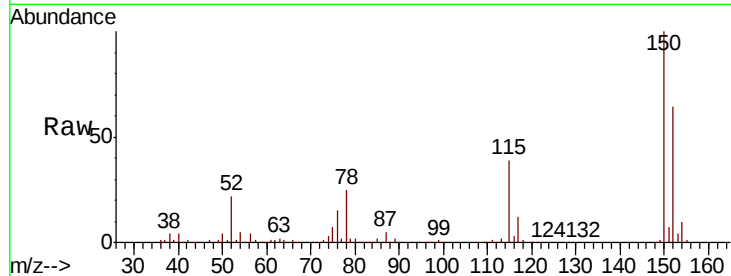


#1

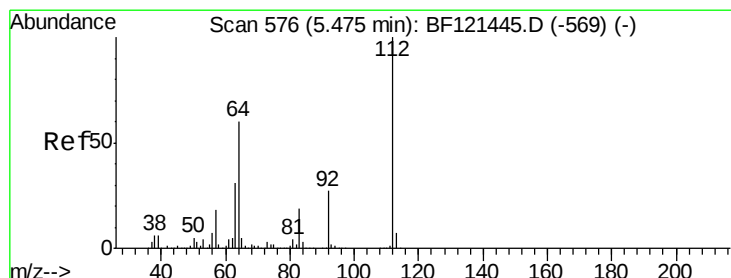
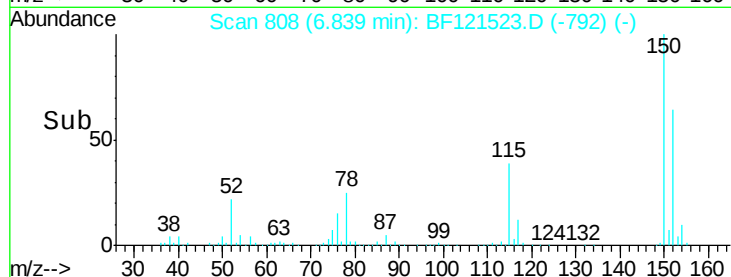
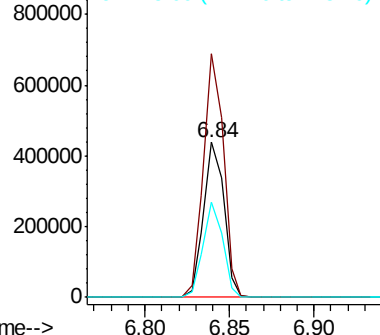
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF121523.D
Acq: 8 Sep 2020 15:43

Instrument :
BNA_F
ClientSampleId :
PB131478BL

Tot Ion:152 Resp: 366651
Ion Ratio Lower Upper
152 100
150 157.4 126.1 189.1
115 61.4 48.4 72.6



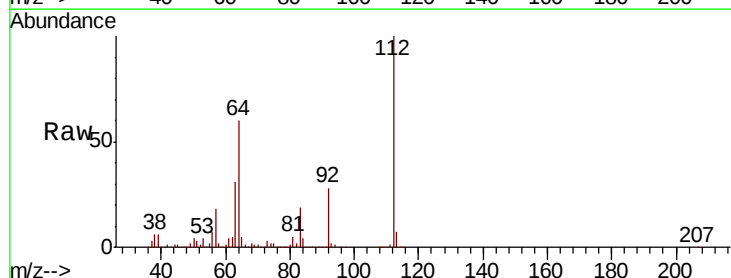
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



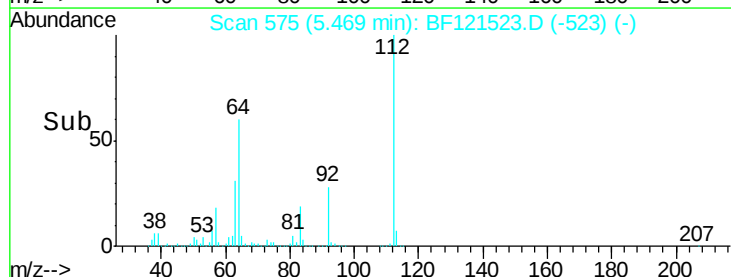
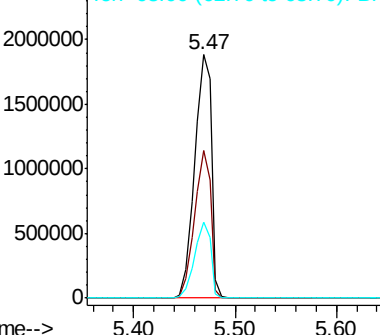
#5

2-Fluorophenol
Concen: 99.047 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF121523.D
Acq: 8 Sep 2020 15:43

Tgt Ion:112 Resp: 2164558
Ion Ratio Lower Upper
112 100
64 60.4 46.0 69.0
63 31.1 23.4 35.2



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: 91.286 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

Instrument :

BNA_F

ClientSampleId :

PB131478BL

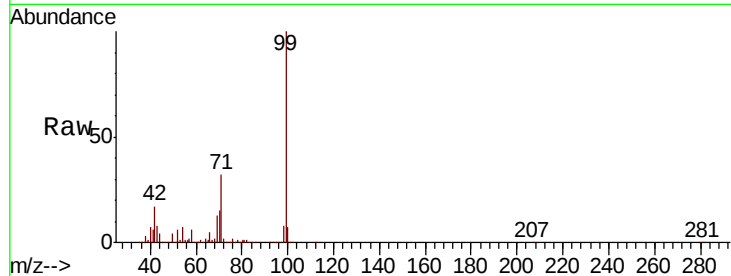
Tot Ion: 99 Resp: 2787872

Ion Ratio Lower Upper

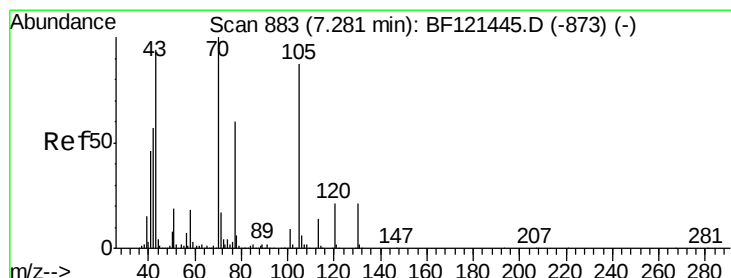
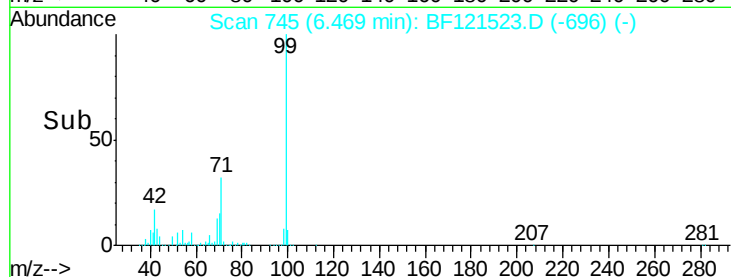
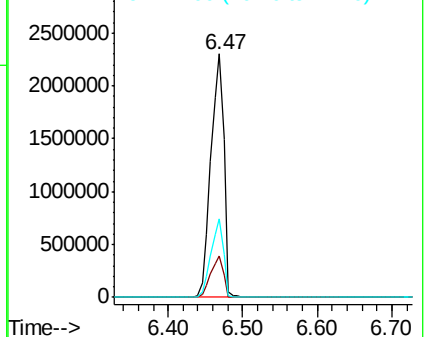
99 100

42 16.8 13.0 19.4

71 32.4 24.8 37.2



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: 13.834 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

Tgt Ion: 70 Resp: 236105

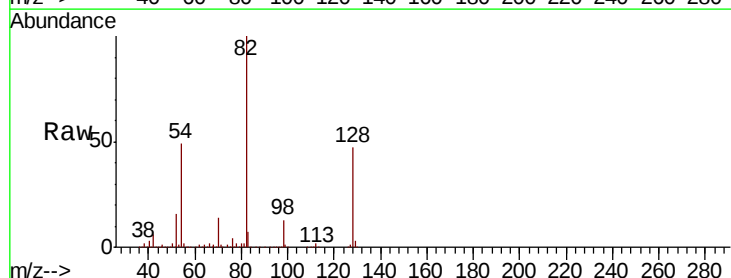
Ion Ratio Lower Upper

70 100

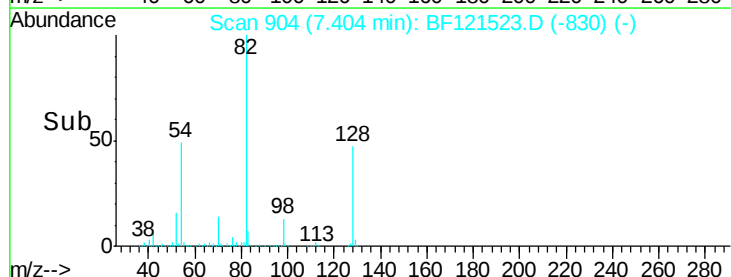
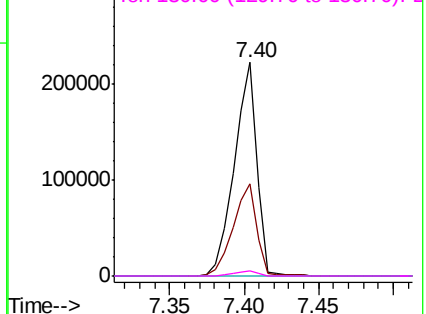
42 43.4 42.0 63.0

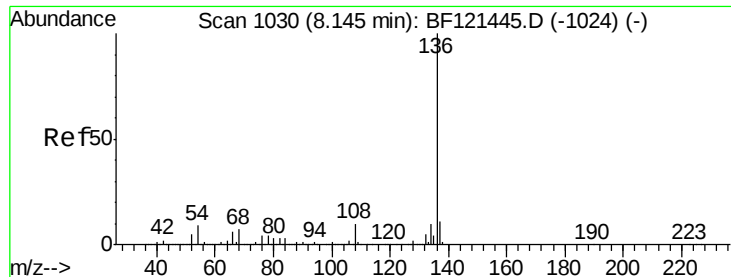
101 0.0 8.1 12.1#

130 2.2 18.3 27.5#



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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

Instrument :

BNA_F

ClientSampleId :

PB131478BL

Tot Ion:136 Resp: 1398135

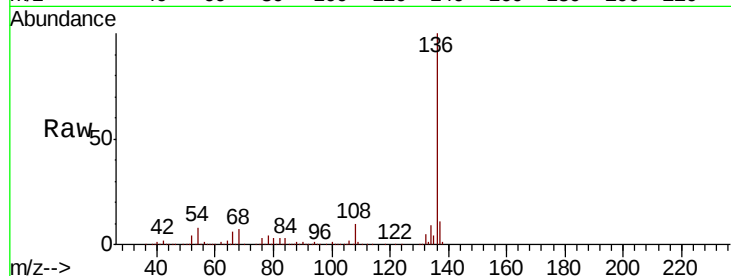
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 8.4 6.2 9.4

68 6.8 5.1 7.7

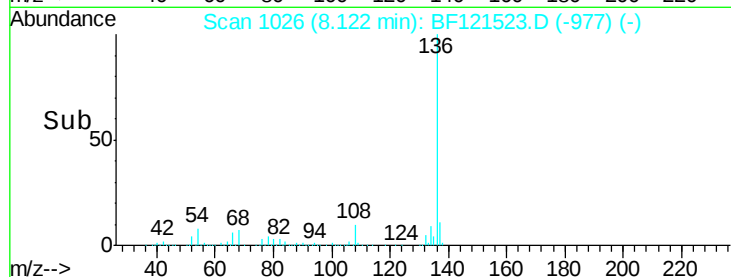


Abundance Ion 136.00 (135.70 to 136.70): E

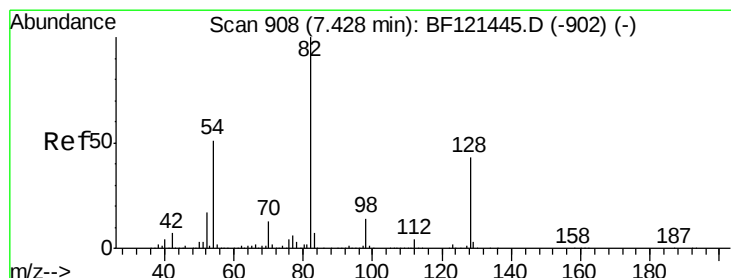
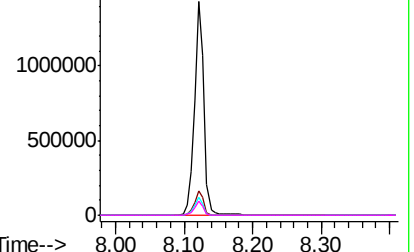
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 87.523 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

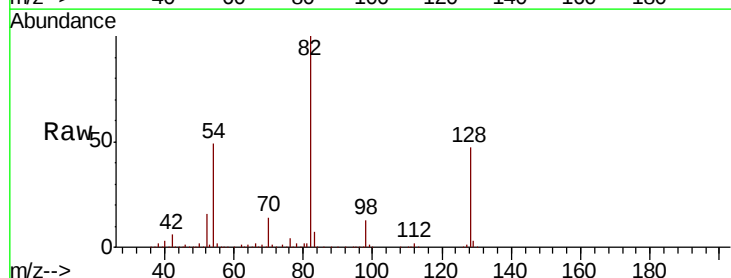
Tgt Ion: 82 Resp: 1789923

Ion Ratio Lower Upper

82 100

128 47.5 37.3 55.9

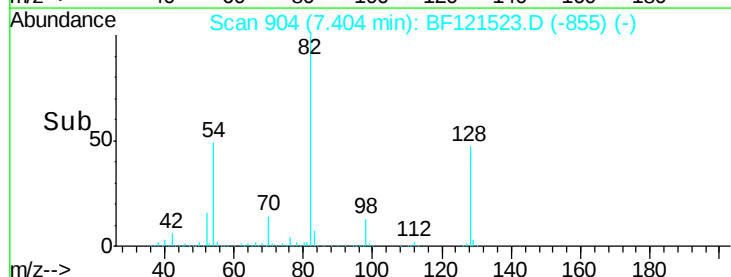
54 49.1 39.0 58.6



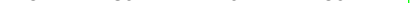
Abundance Ion 82.00 (81.70 to 82.70): BF1

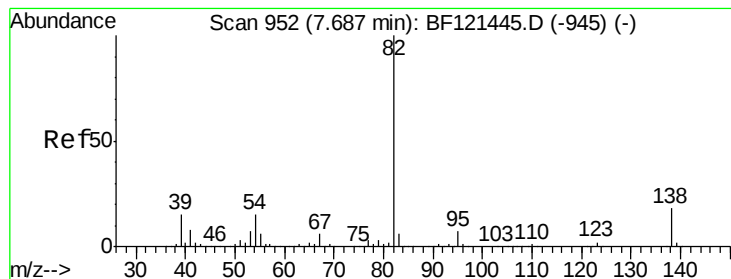
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 38.589 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

Instrument :

BNA_F

ClientSampleId :

PB131478BL

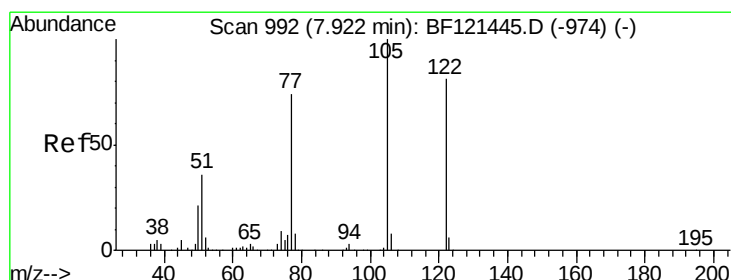
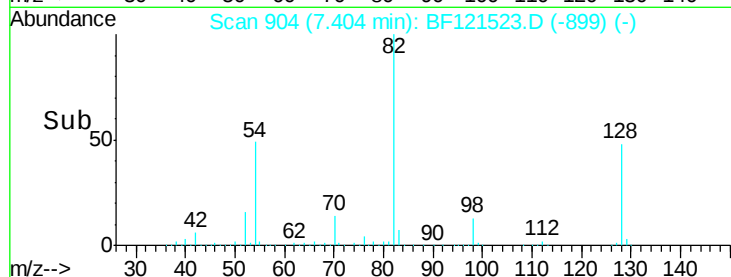
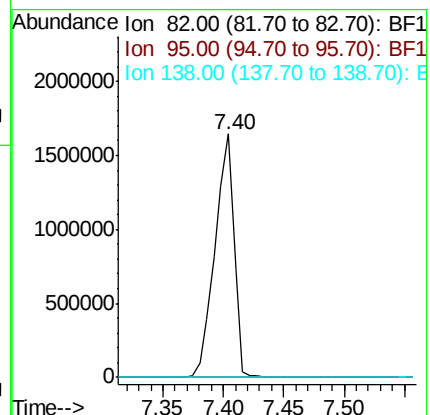
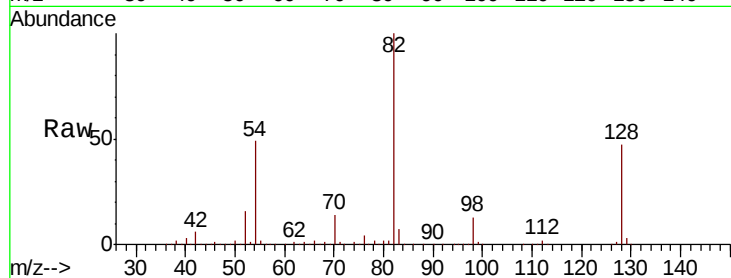
Tot Ion: 82 Resp: 1775058

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.6 23.4#



#32

Benzoic acid

Concen: 6.675 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.21 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

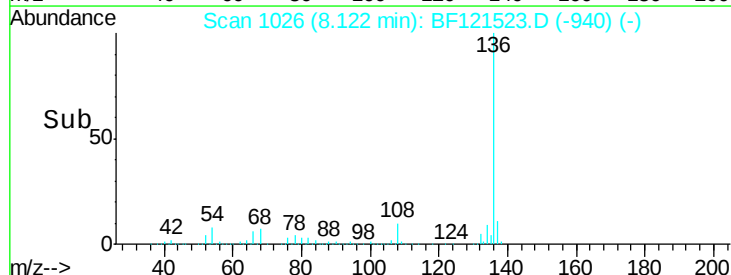
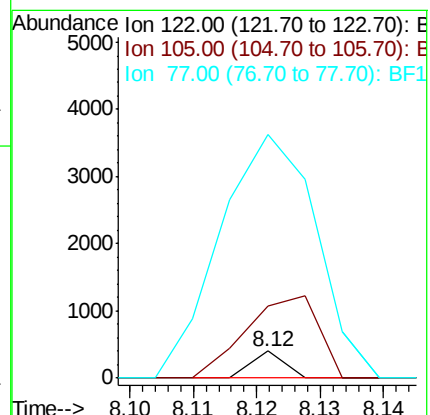
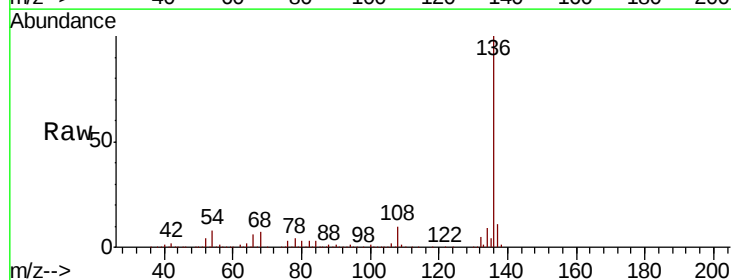
Tgt Ion:122 Resp: 143

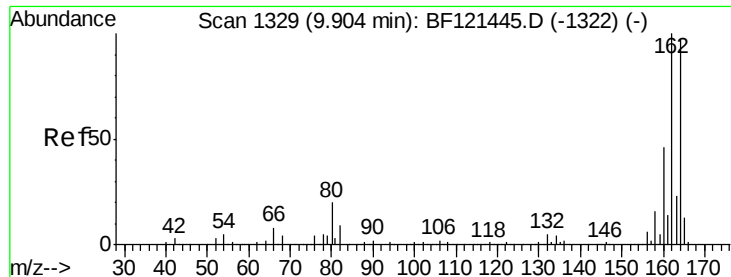
Ion Ratio Lower Upper

122 100

105 266.2 102.2 142.2#

77 895.3 69.8 109.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

Instrument :

BNA_F

ClientSampleId :

PB131478BL

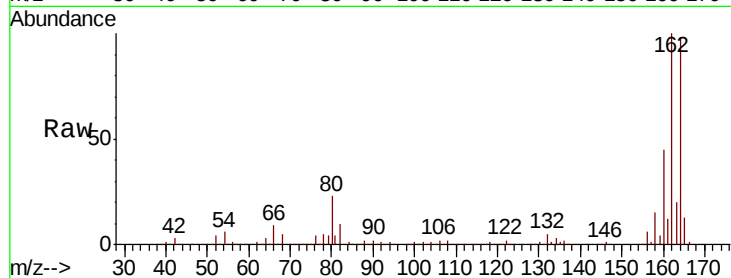
Tot Ion:164 Resp: 733872

Ion Ratio Lower Upper

164 100

162 101.7 80.5 120.7

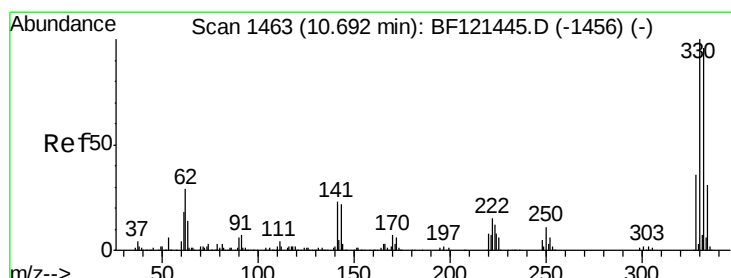
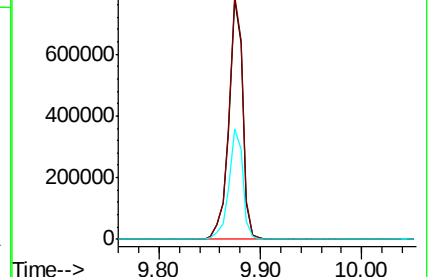
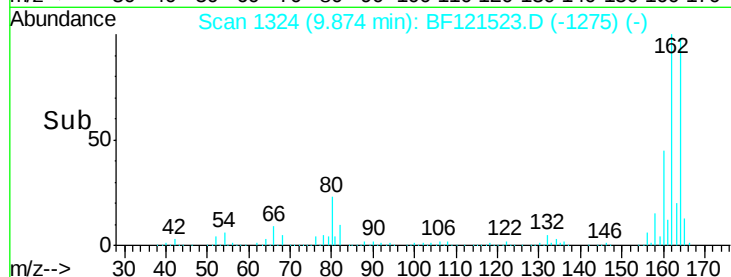
160 46.3 36.2 54.4



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: 124.948 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

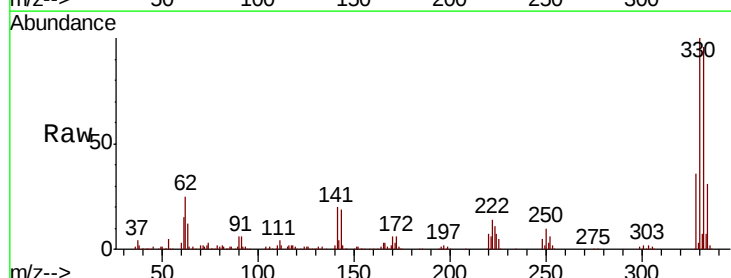
Tgt Ion:330 Resp: 926174

Ion Ratio Lower Upper

330 100

332 95.3 76.2 114.2

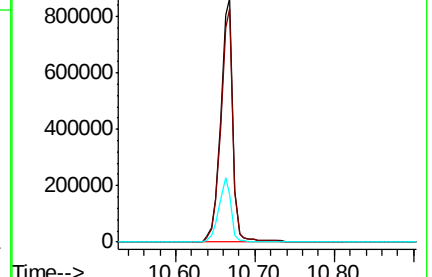
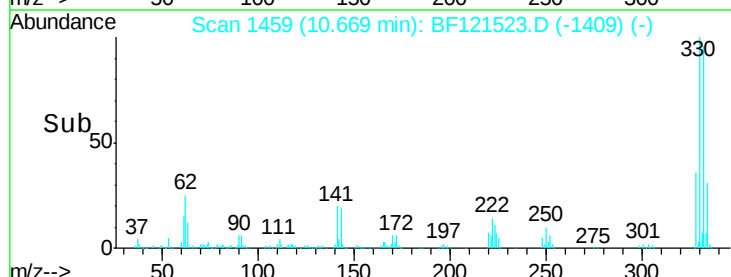
141 27.0 22.6 34.0

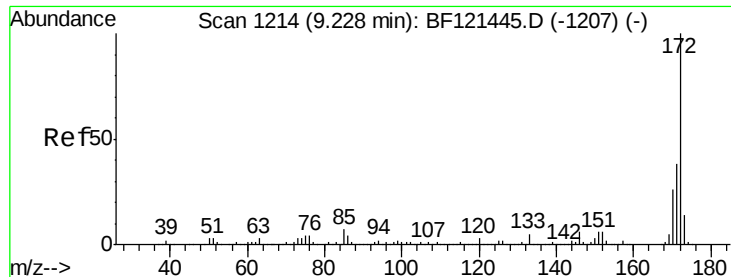


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

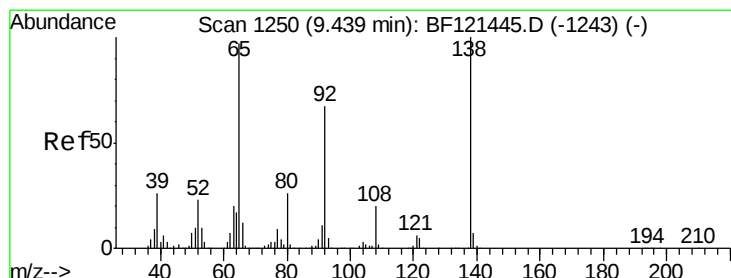
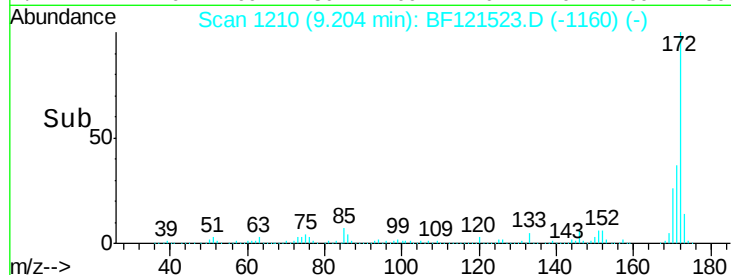
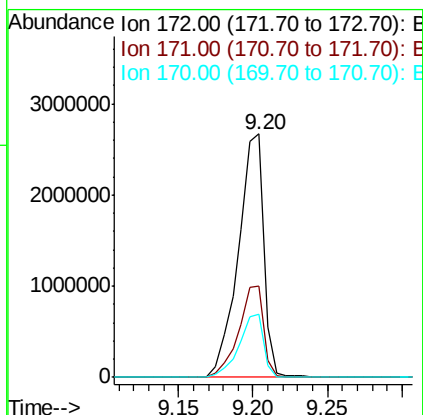
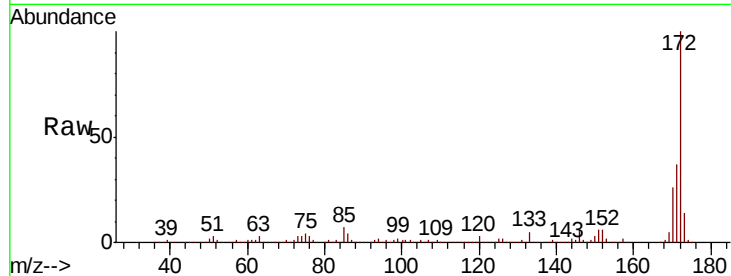




#45
2-Fluorobiphenyl
Concen: 70.148 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF121523.D
Acq: 8 Sep 2020 15:43

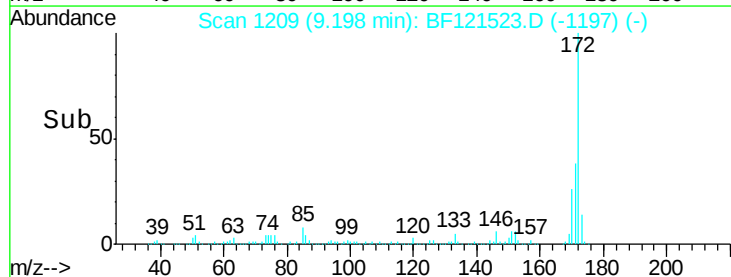
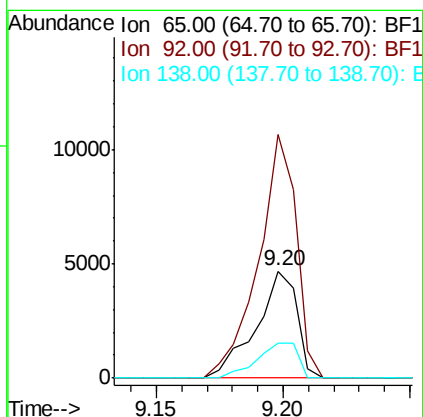
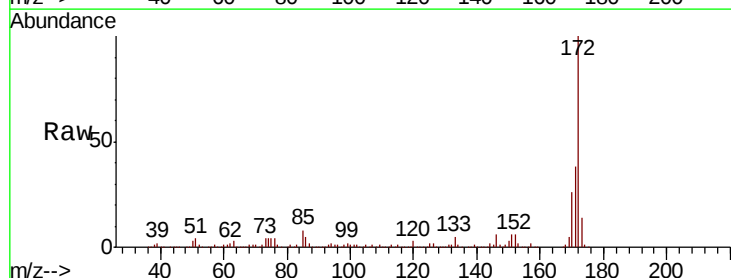
Instrument :
BNA_F
ClientSampleId :
PB131478BL

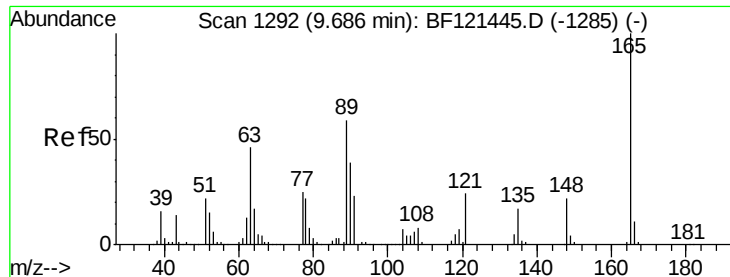
Tot Ion:172 Resp: 3190513
Ion Ratio Lower Upper
172 100
171 37.5 30.4 45.6
170 25.9 20.7 31.1



#48
2-Nitroaniline
Concen: 7.005 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.23 min
Lab File: BF121523.D
Acq: 8 Sep 2020 15:43

Tgt Ion: 65 Resp: 5303
Ion Ratio Lower Upper
65 100
92 228.4 58.6 87.8#
138 32.6 88.6 133.0#





#51

2,6-Dinitrotoluene

Concen: 15.101 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

Instrument :

BNA_F

ClientSampled :

PB131478BL

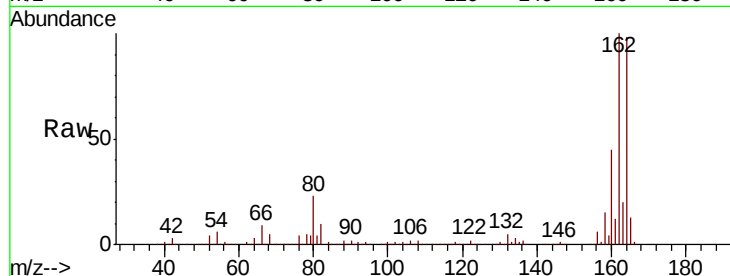
Tot Ion:165 Resp: 94687

Ion Ratio Lower Upper

165 100

63 1.1 47.4 71.0#

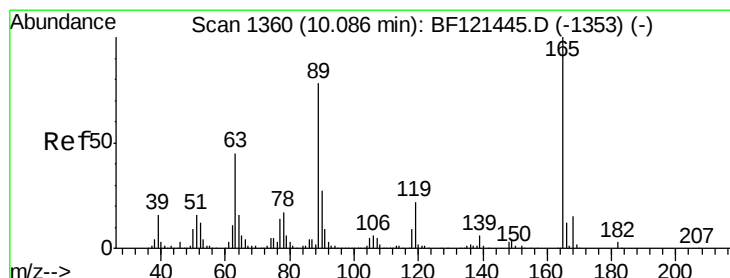
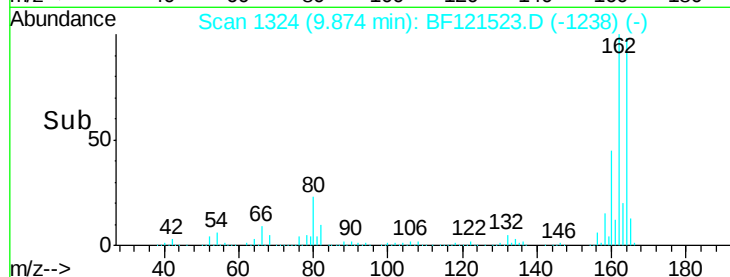
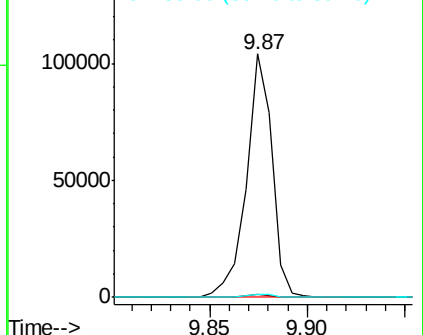
89 1.1 47.9 71.9#



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



#57

2,4-Dinitrotoluene

Concen: 14.183 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.20 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

Tgt Ion:165 Resp: 94687

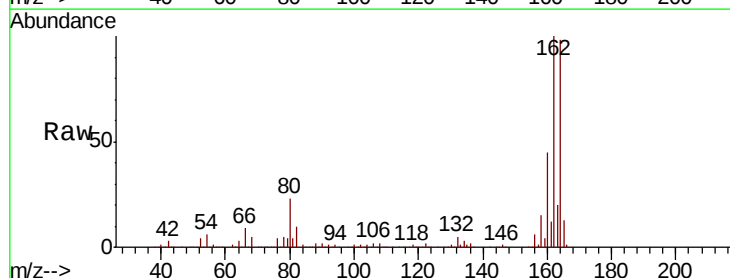
Ion Ratio Lower Upper

165 100

63 1.1 33.6 50.4#

89 1.1 56.4 84.6#

182 0.0 2.2 3.4#

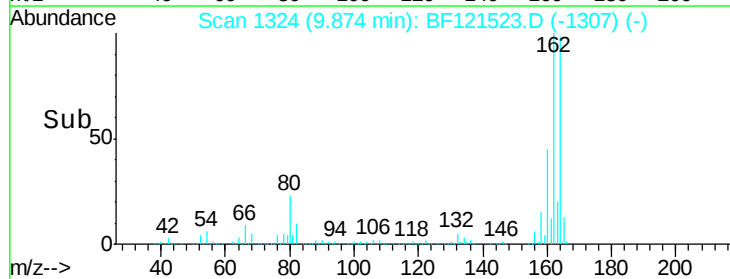
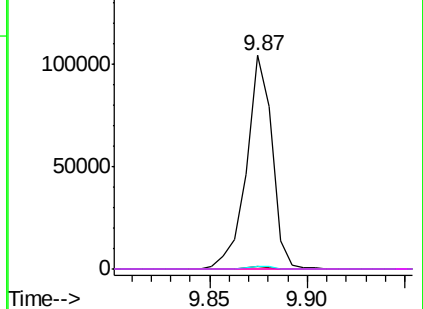


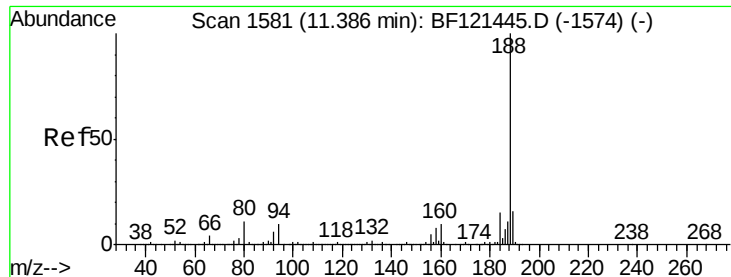
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

Instrument :

BNA_F

ClientSampleId :

PB131478BL

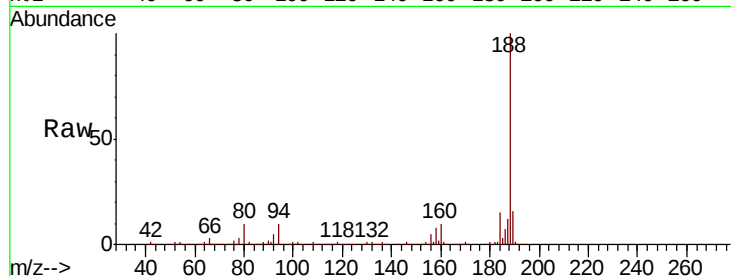
Tot Ion:188 Resp: 1430542

Ion Ratio Lower Upper

188 100

94 9.6 8.8 13.2

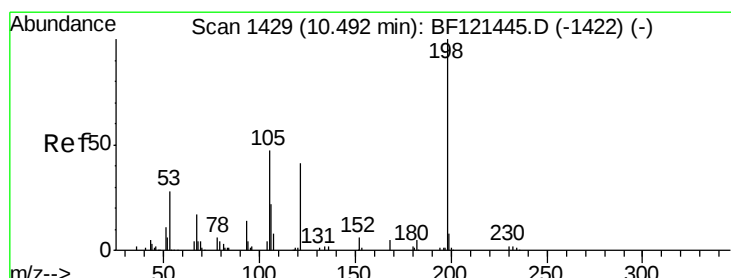
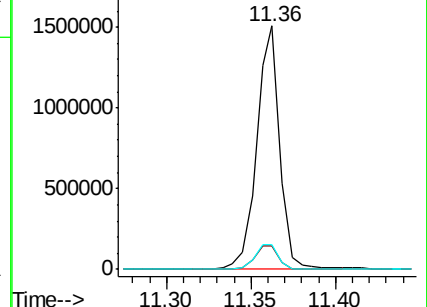
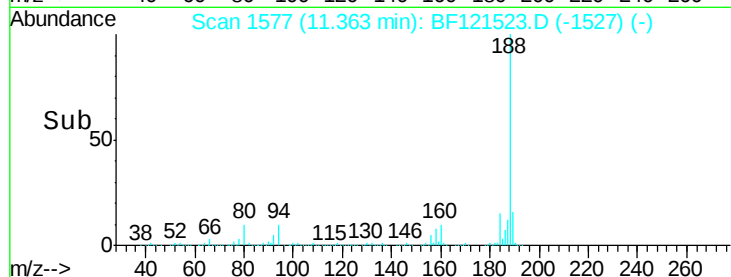
80 10.1 9.1 13.7



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: 6.060 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.18 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

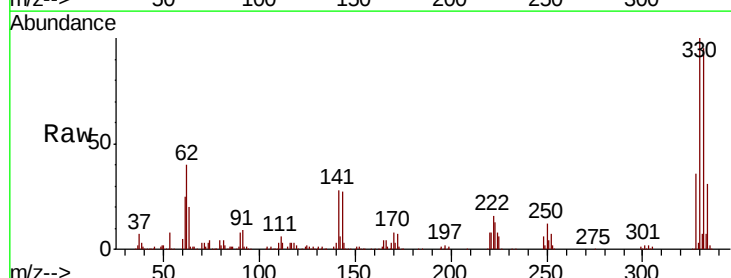
Tgt Ion:198 Resp: 1588

Ion Ratio Lower Upper

198 100

51 177.6 24.9 64.9#

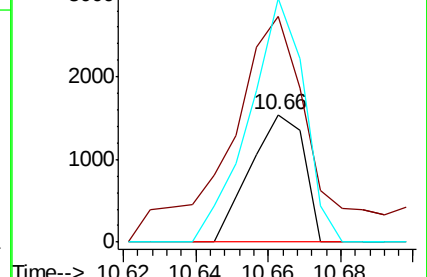
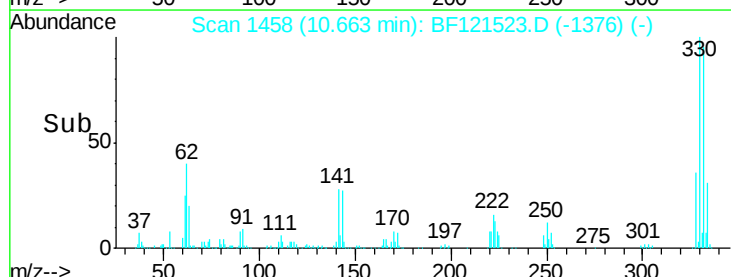
105 191.4 25.8 65.8#

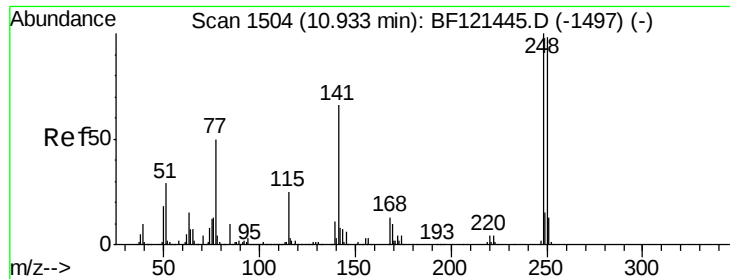


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

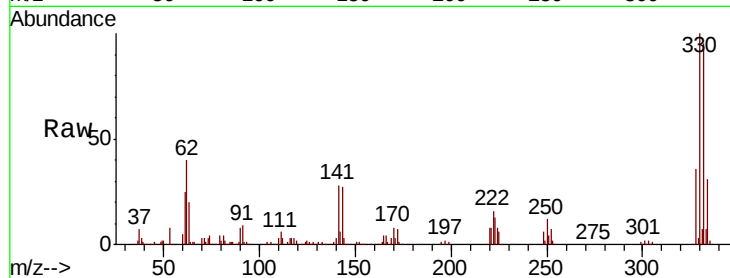




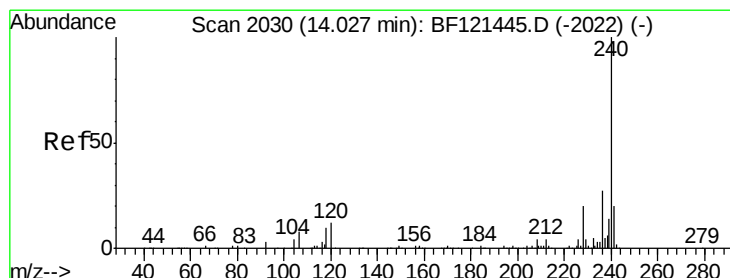
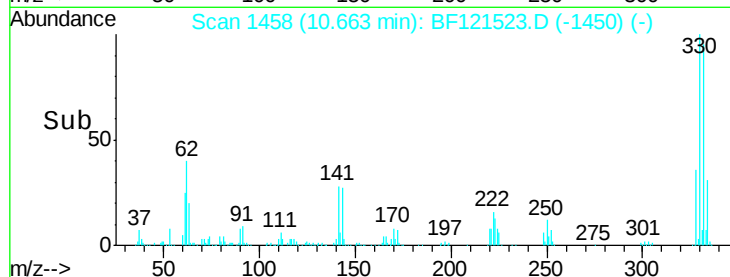
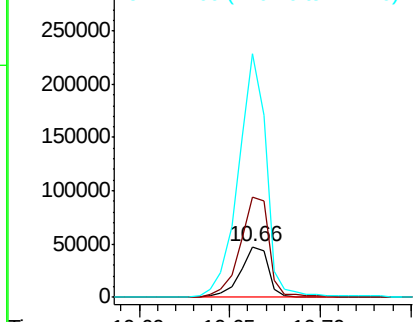
#67
 4-Bromophenyl-phenylether
 Concen: 3.258 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF121523.D
 Acq: 8 Sep 2020 15:43

Instrument :
 BNA_F
 ClientSampleId :
 PB131478BL

Tot Ion:248 Resp: 51279
 Ion Ratio Lower Upper
 248 100
 250 199.0 77.8 116.6#
 141 481.9 56.4 84.6#

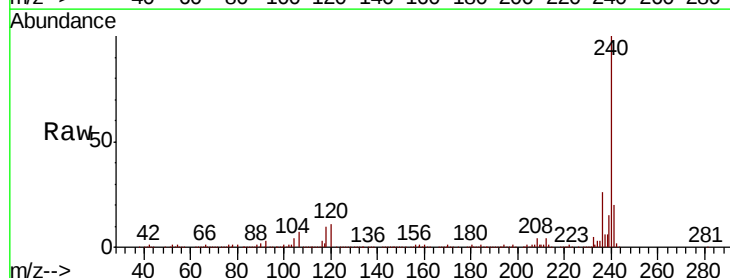


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

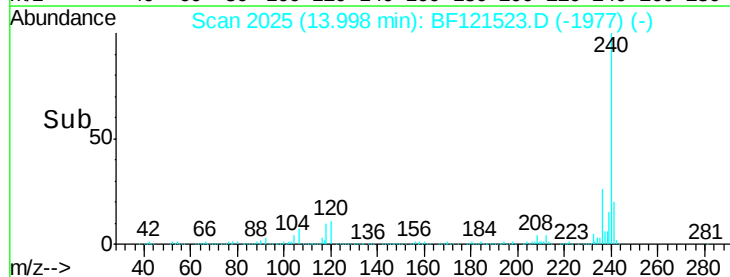
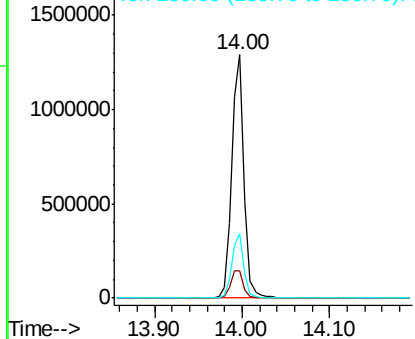


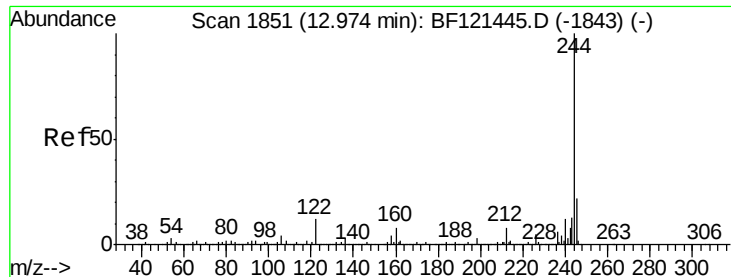
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.02 min
 Lab File: BF121523.D
 Acq: 8 Sep 2020 15:43

Tgt Ion:240 Resp: 1236292
 Ion Ratio Lower Upper
 240 100
 120 11.0 8.0 12.0
 236 26.4 21.4 32.2



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





#79

Terphenyl-d14

Concen: 60.140 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

Instrument :

BNA_F

ClientSampleId :

PB131478BL

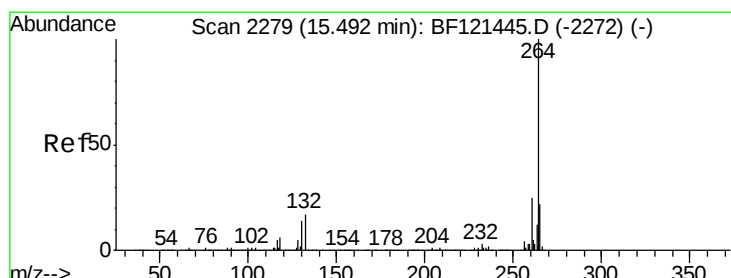
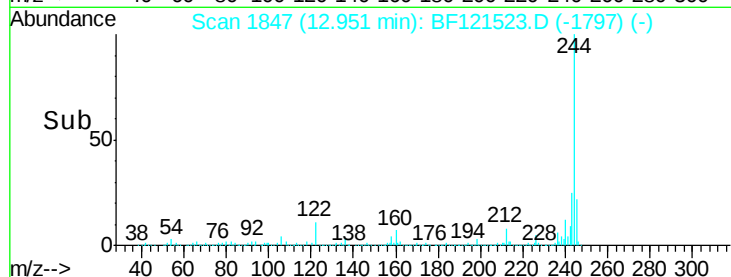
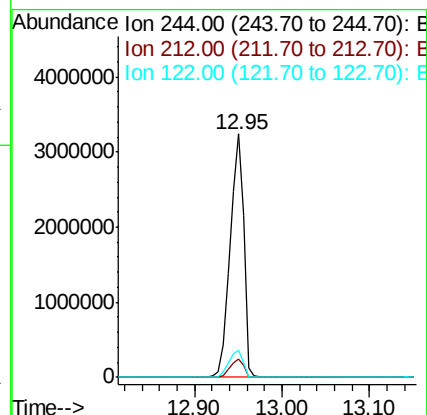
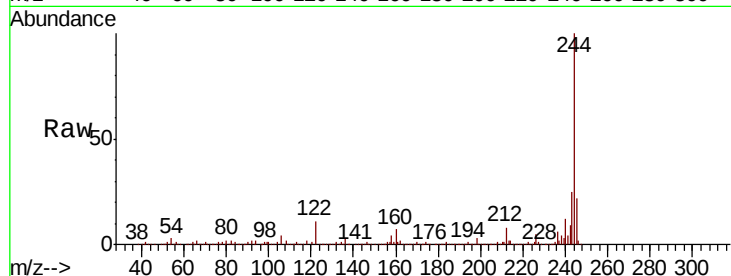
Tot Ion:244 Resp: 3532157

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	11.1	9.3	13.9

244 100

212 7.7 6.0 9.0

122 11.1 9.3 13.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. -0.02 min

Lab File: BF121523.D

Acq: 8 Sep 2020 15:43

Tgt Ion:264 Resp: 1149427

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	21.9	17.4	26.2

264 100

260 24.4 19.7 29.5

265 21.9 17.4 26.2

