

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\
 Data File : BF121518.D
 Acq On : 2 Sep 2020 17:25
 Operator : JU/CG
 Sample : L3866-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-090120

Quant Time: Sep 02 18:00:33 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	6.85	152	272183	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1037891	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	553220	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	1087110	20.00	ng	0.00
76) Chrysene-d12	14.00	240	955689	20.00	ng	-0.01
86) Perylene-d12	15.46	264	1028331	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1683037	103.74	ng	0.00
7) Phenol-d6	6.47	99	1975130	87.12	ng	0.00
23) Nitrobenzene-d5	7.40	82	1541741	101.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	806407	144.32	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2696722	78.65	ng	0.00
79) Terphenyl-d14	12.96	244	3008440	66.26	ng	0.00

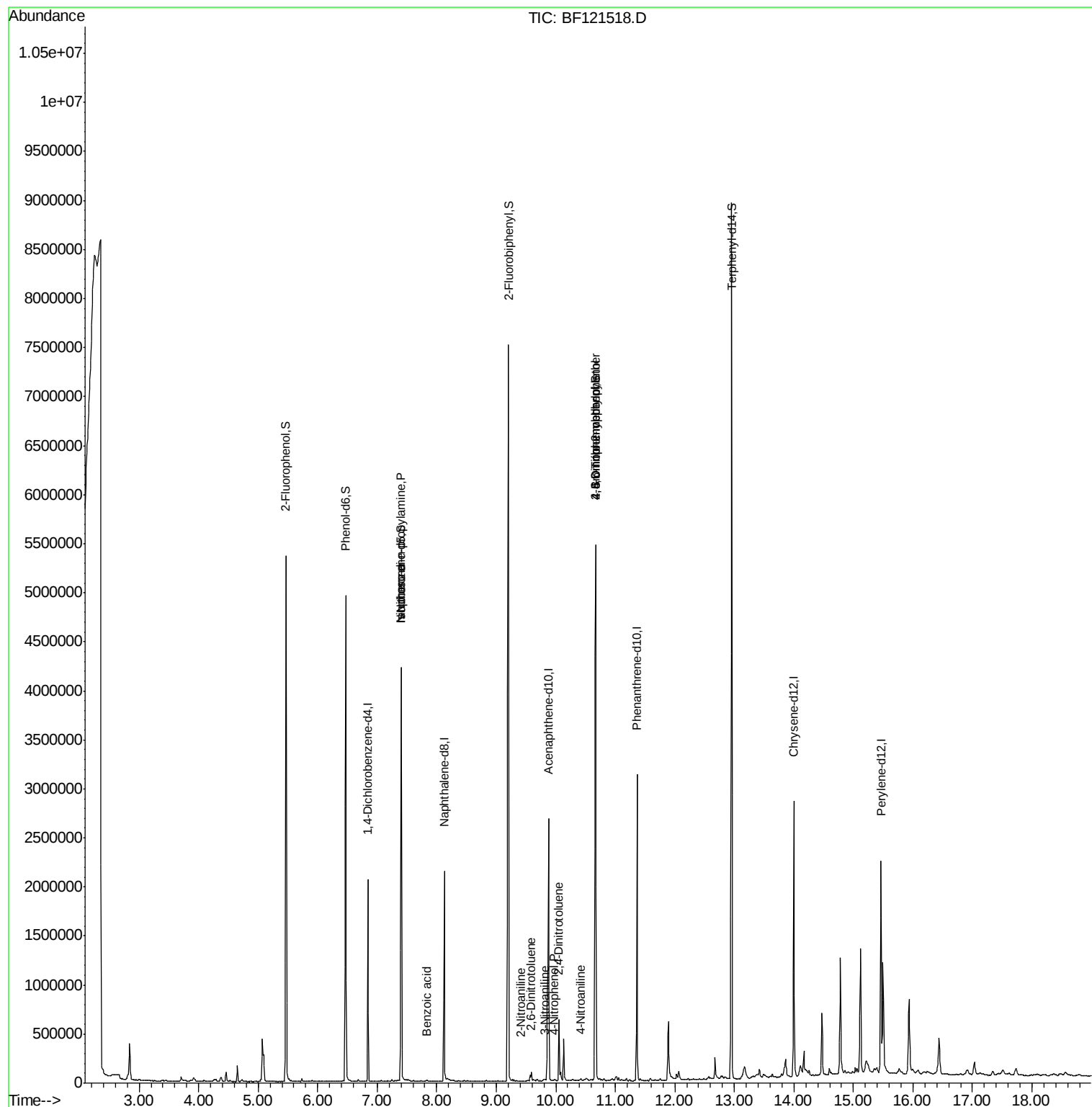
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	348	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.40	70	206049	16.263	ng	# 79
25) Isophorone	7.40	82	1530905	44.833	ng	# 63
32) Benzoic acid	7.82	122	2369	7.005	ng	# 91
48) 2-Nitroaniline	9.42	65	583	6.700	ng	# 2
51) 2,6-Dinitrotoluene	9.57	165	5093	7.038	ng	# 55
53) 3-Nitroaniline	9.83	138	974	5.547	ng	# 89
56) 4-Nitrophenol	9.97	139	774	7.952	ng	# 85
57) 2,4-Dinitrotoluene	10.05	165	50269	12.140	ng	# 45
62) 4-Nitroaniline	10.42	138	1835	4.714	ng	# 89
65) 4,6-Dinitro-2-methylphenol	10.67	198	1733	6.351	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	46072	3.852	ng	# 1

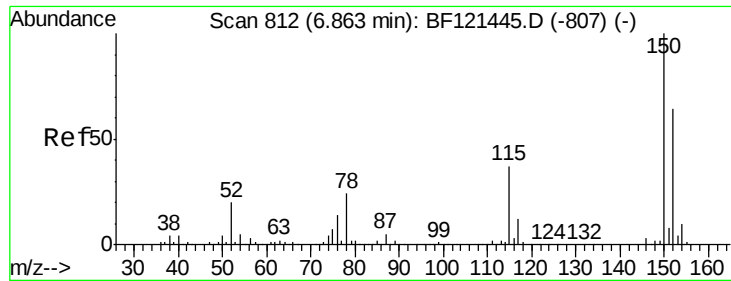
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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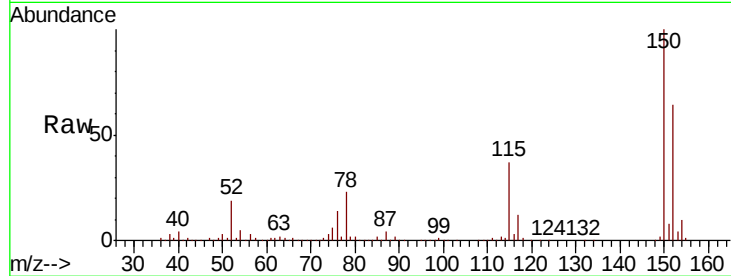


#1

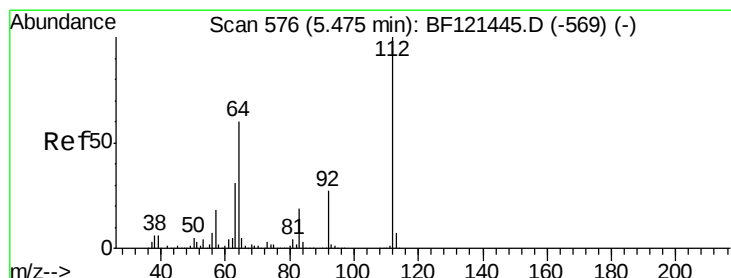
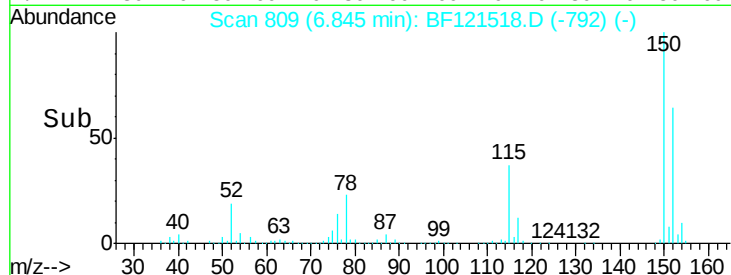
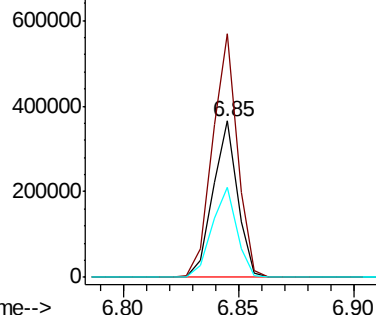
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BF121518.D
 Acq: 2 Sep 2020 17:25

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-090120

Tot Ion:152 Resp: 272183
 Ion Ratio Lower Upper
 152 100
 150 155.7 126.1 189.1
 115 57.3 48.4 72.6



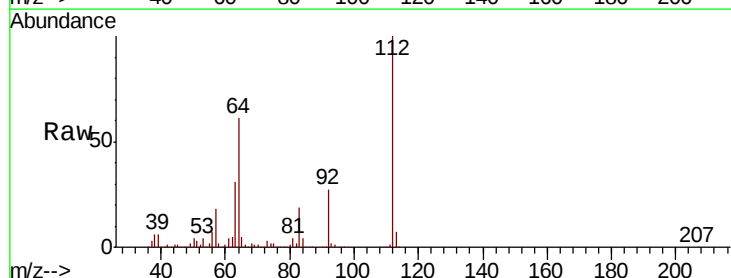
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



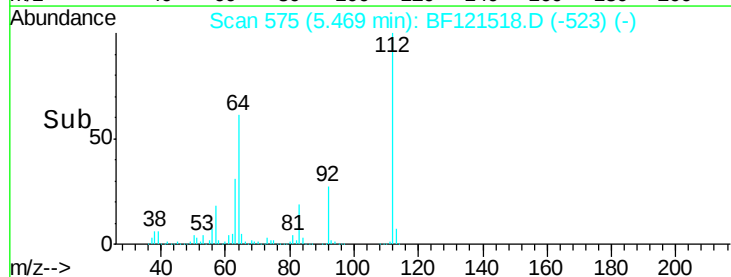
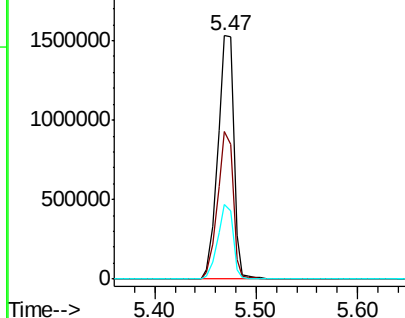
#5

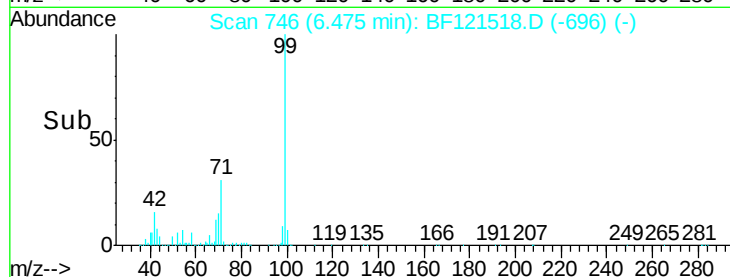
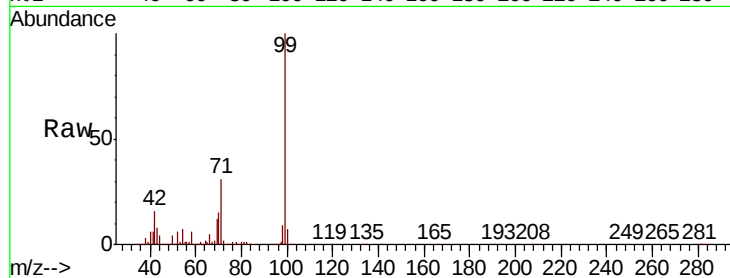
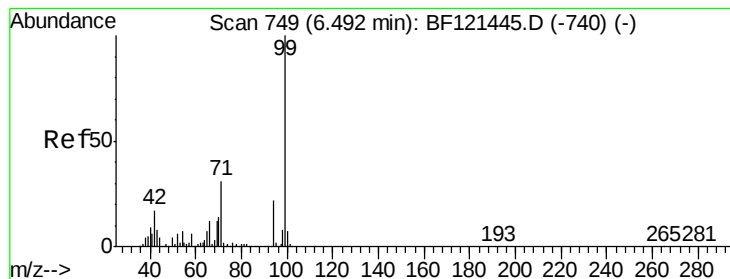
2-Fluorophenol
 Concen: 103.743 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF121518.D
 Acq: 2 Sep 2020 17:25

Tgt Ion:112 Resp: 1683037
 Ion Ratio Lower Upper
 112 100
 64 60.8 46.0 69.0
 63 30.8 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: 87.120 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF121518.D

Acq: 2 Sep 2020 17:25

Instrument :

BNA_F

ClientSampleId :

OK-03-090120

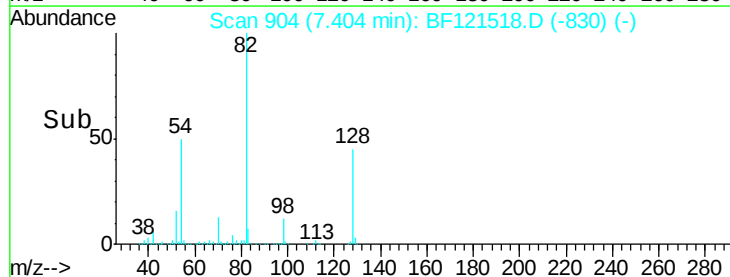
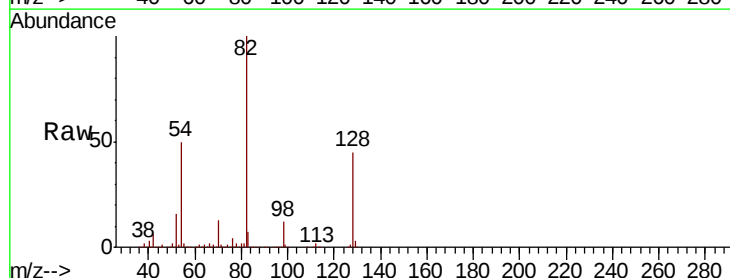
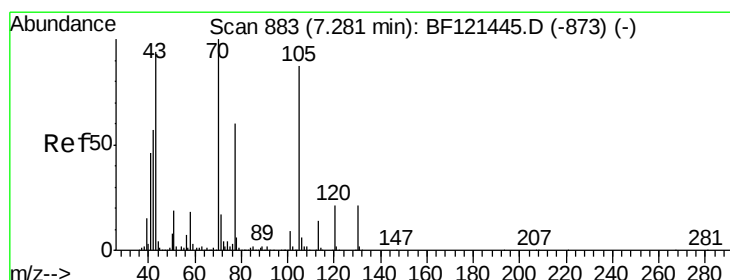
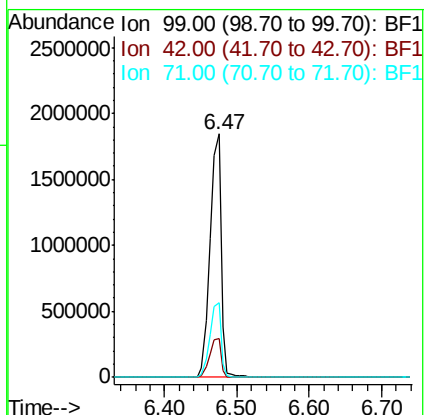
Tot Ion: 99 Resp: 1975130

Ion Ratio Lower Upper

99 100

42 16.0 13.0 19.4

71 30.7 24.8 37.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.263 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF121518.D

Acq: 2 Sep 2020 17:25

Tgt Ion: 70 Resp: 206049

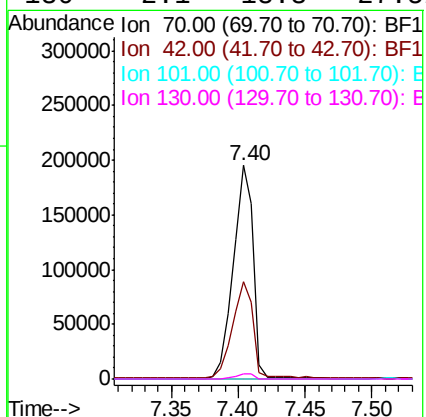
Ion Ratio Lower Upper

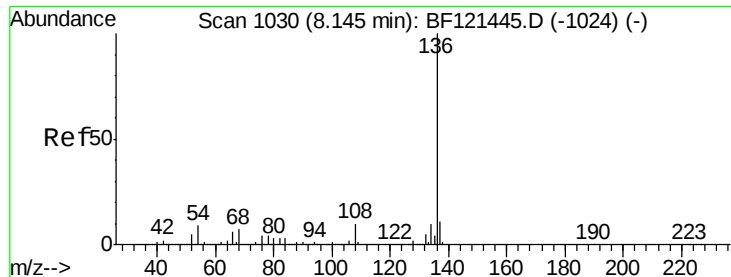
70 100

42 45.8 42.0 63.0

101 0.0 8.1 12.1#

130 2.1 18.3 27.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF121518.D

Acq: 2 Sep 2020 17:25

Instrument :

BNA_F

ClientSampleId :

OK-03-090120

Tot Ion:136 Resp: 1037891

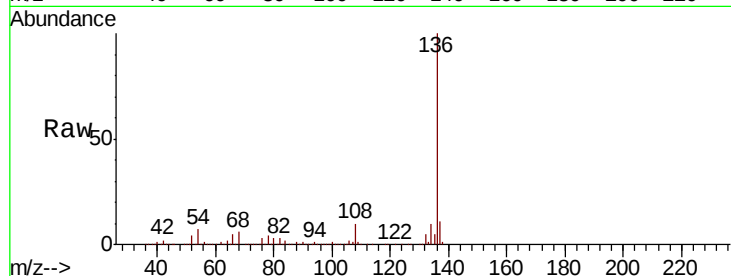
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.4 6.2 9.4

68 6.1 5.1 7.7

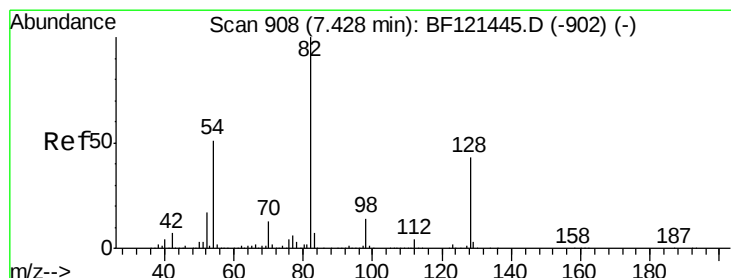
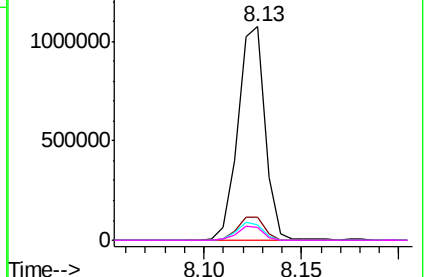
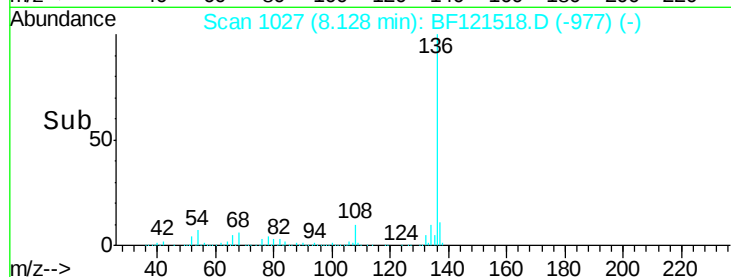


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 101.554 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF121518.D

Acq: 2 Sep 2020 17:25

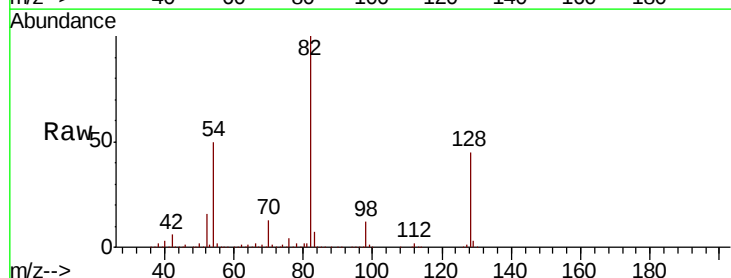
Tgt Ion: 82 Resp: 1541741

Ion Ratio Lower Upper

82 100

128 44.7 37.3 55.9

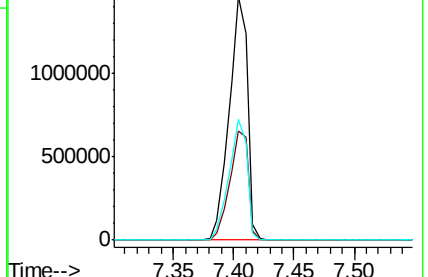
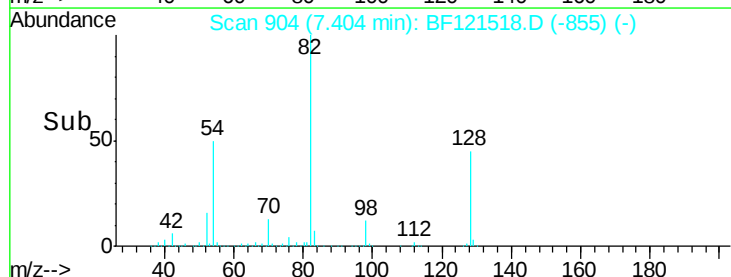
54 49.6 39.0 58.6

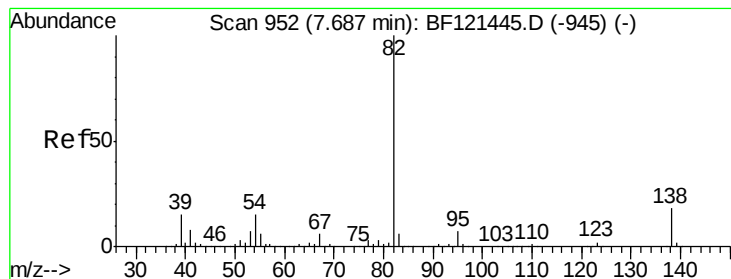


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.833 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF121518.D

Acq: 2 Sep 2020 17:25

Instrument :

BNA_F

ClientSampleId :

OK-03-090120

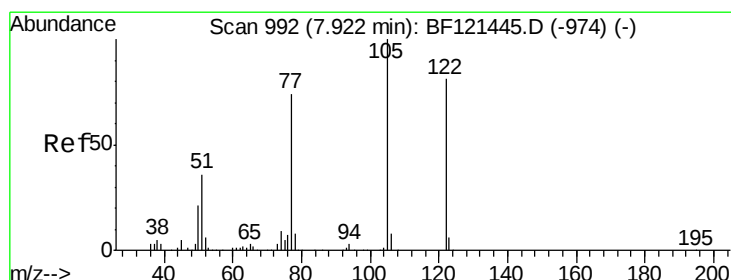
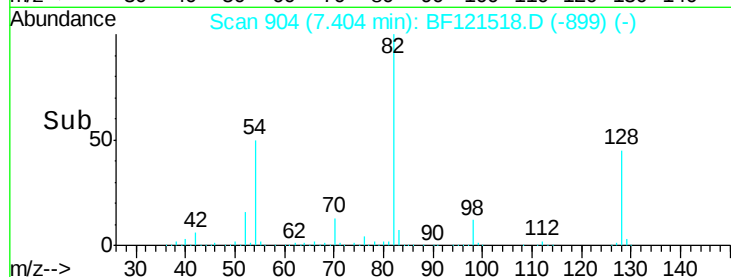
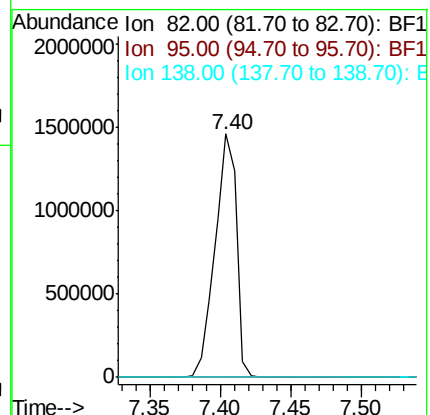
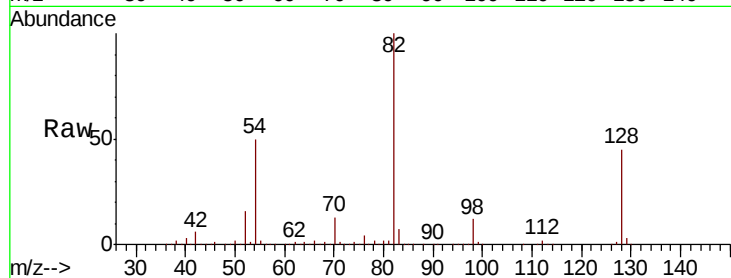
Tot Ion: 82 Resp: 1530905

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.6 23.4#



#32

Benzoic acid

Concen: 7.005 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.09 min

Lab File: BF121518.D

Acq: 2 Sep 2020 17:25

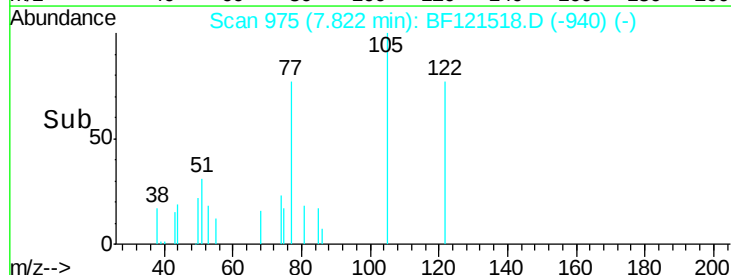
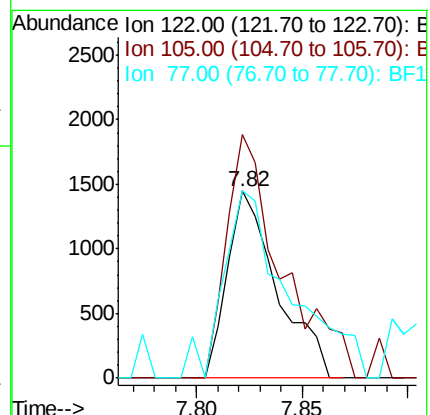
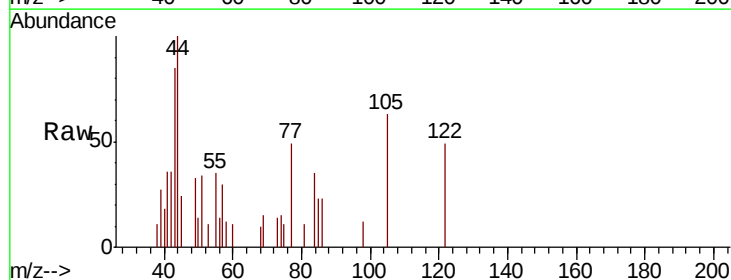
Tgt Ion:122 Resp: 2369

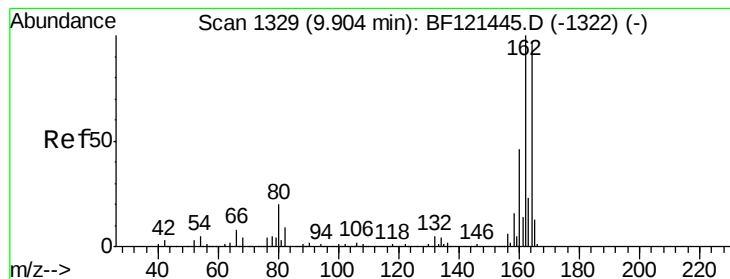
Ion Ratio Lower Upper

122 100

105 130.3 102.2 142.2

77 100.4 69.8 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF121518.D

Acq: 2 Sep 2020 17:25

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OK-03-090120

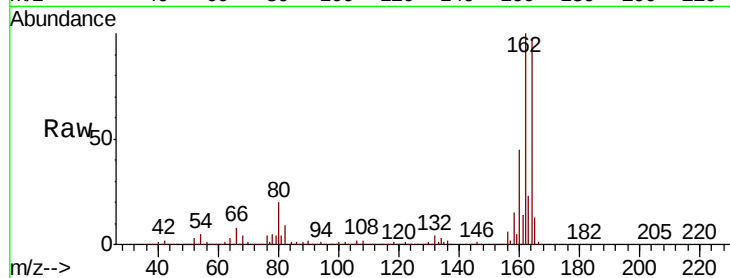
Tot Ion:164 Resp: 553220

Ion Ratio Lower Upper

164 100

162 103.2 80.5 120.7

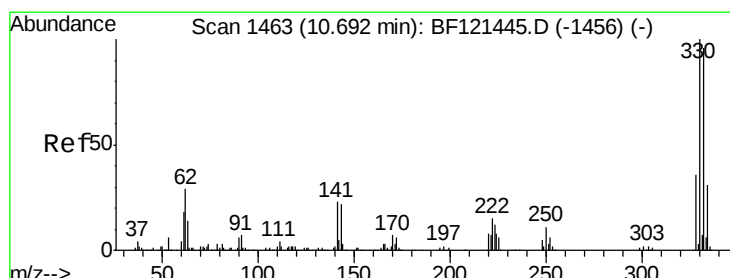
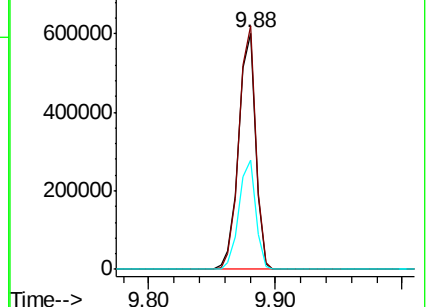
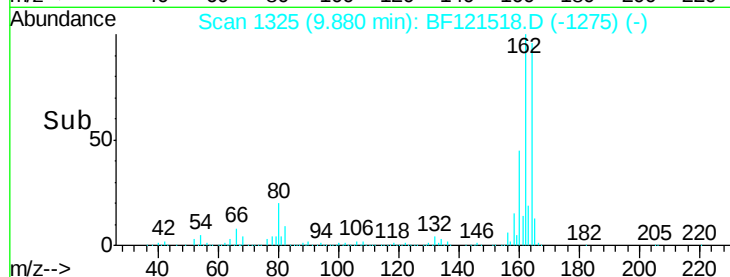
160 46.4 36.2 54.4



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: 144.315 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF121518.D

Acq: 2 Sep 2020 17:25

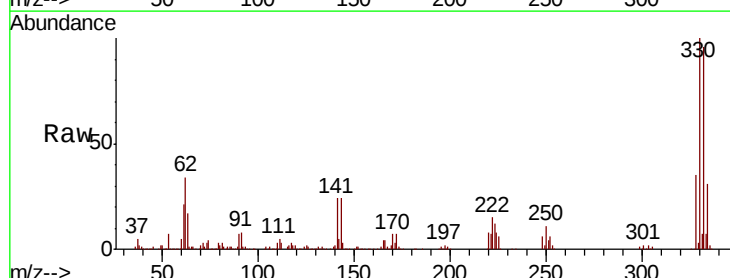
Tgt Ion:330 Resp: 806407

Ion Ratio Lower Upper

330 100

332 95.3 76.2 114.2

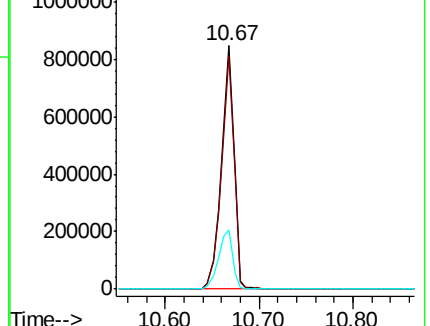
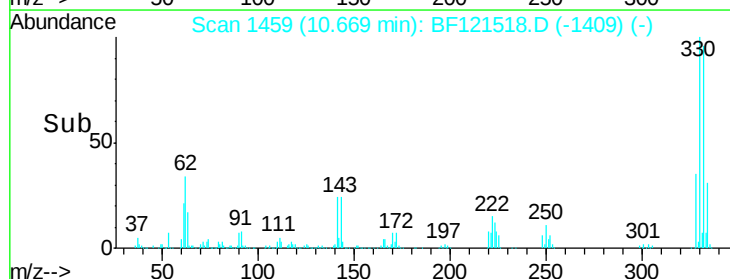
141 27.4 22.6 34.0

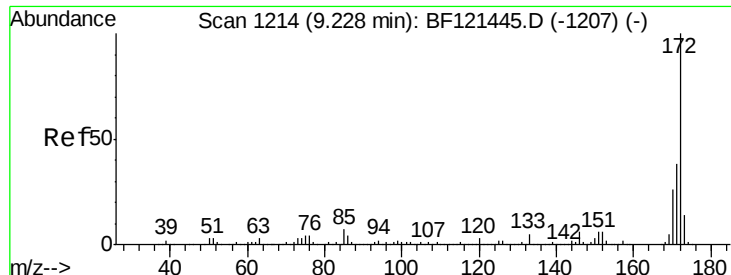


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

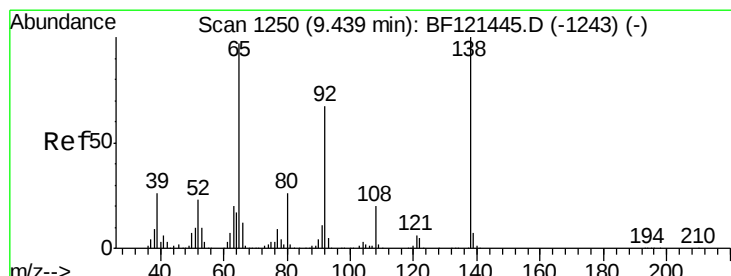
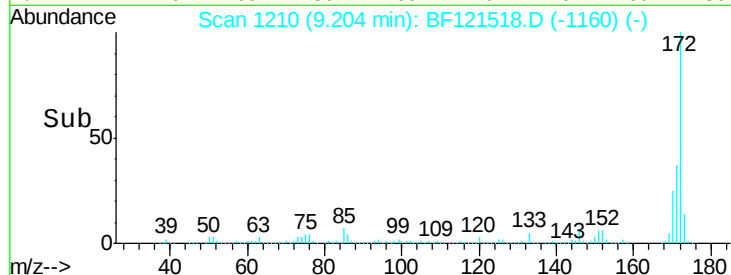
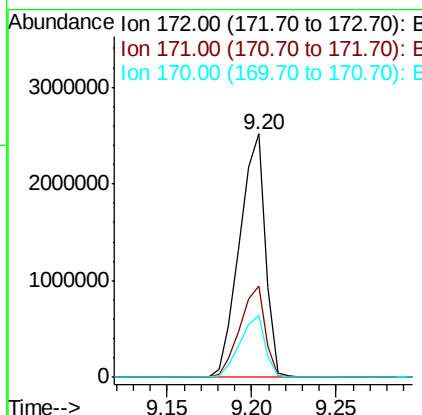
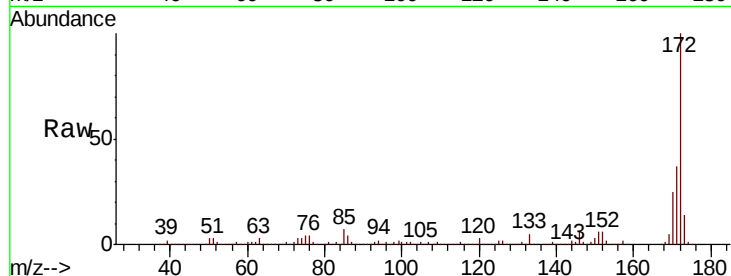




#45
 2-Fluorobiphenyl
 Concen: 78.653 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF121518.D
 Acq: 2 Sep 2020 17:25

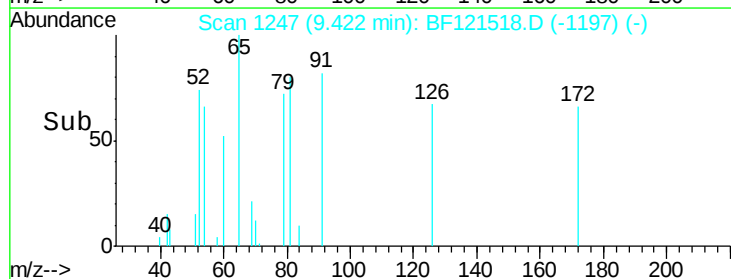
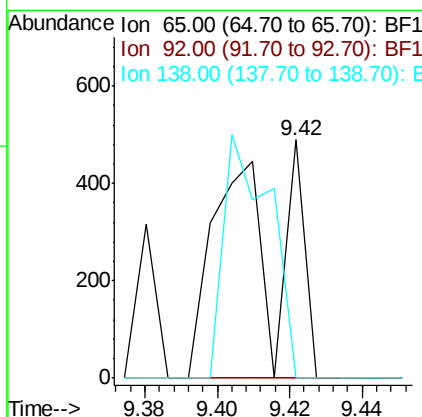
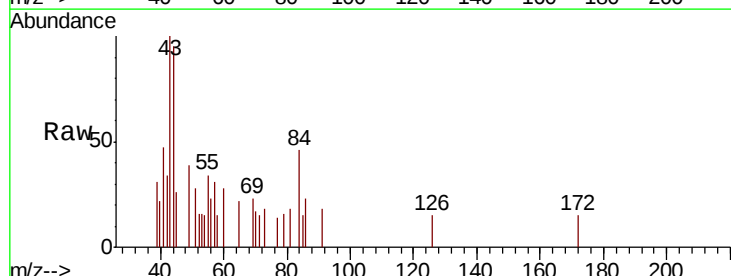
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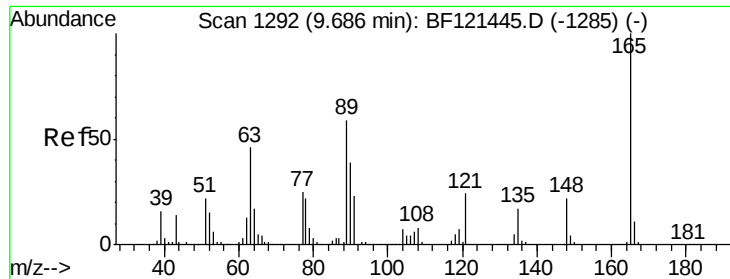
Tot Ion:172 Resp: 2696722
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.4 45.6
 170 25.4 20.7 31.1



#48
 2-Nitroaniline
 Concen: 6.700 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF121518.D
 Acq: 2 Sep 2020 17:25

Tgt Ion: 65 Resp: 583
 Ion Ratio Lower Upper
 65 100
 92 0.0 58.6 87.8#
 138 0.0 88.6 133.0#

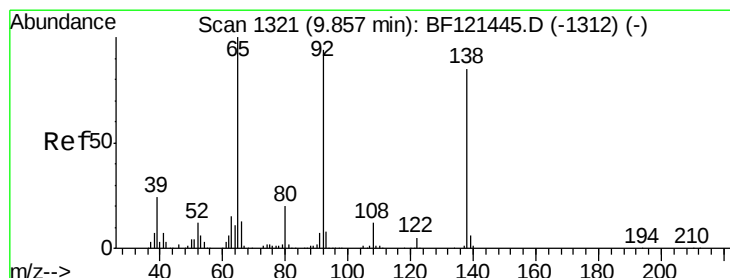
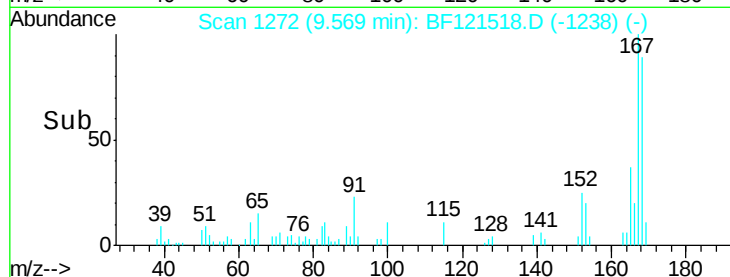
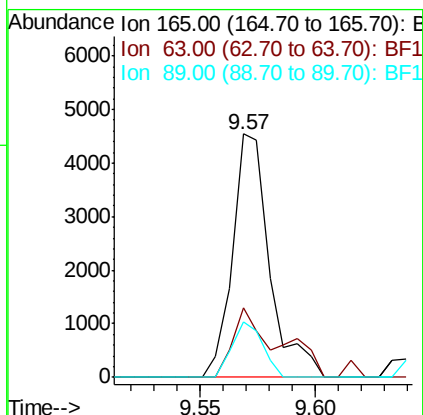
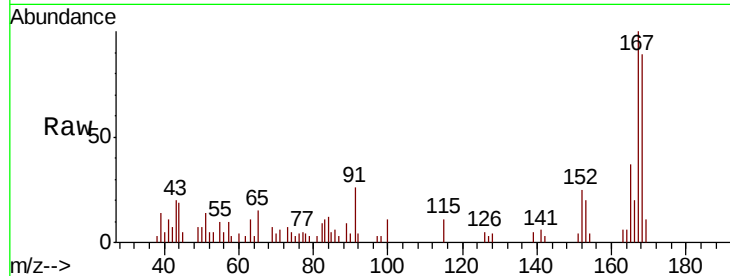




#51
 2,6-Dinitrotoluene
 Concen: 7.038 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.10 min
 Lab File: BF121518.D
 Acq: 2 Sep 2020 17:25

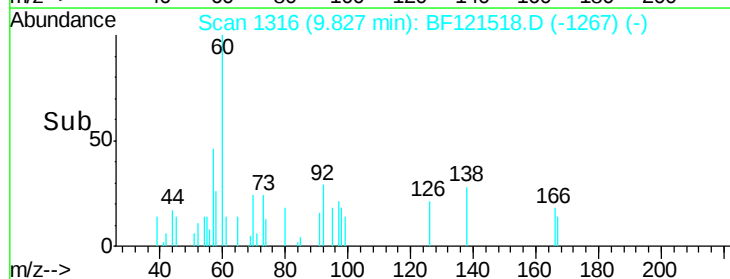
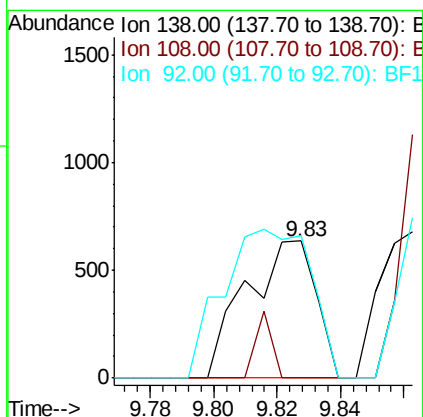
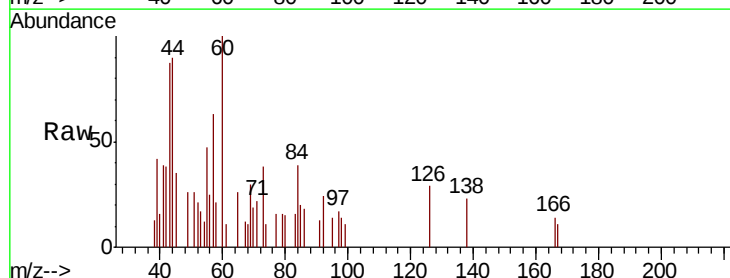
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-090120

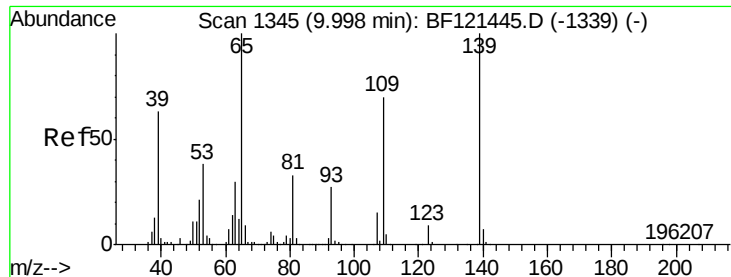
Tot Ion	Ratio	Lower	Upper
165	100		
63	28.6	47.4	71.0#
89	23.0	47.9	71.9#



#53
 3-Nitroaniline
 Concen: 5.547 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF121518.D
 Acq: 2 Sep 2020 17:25

Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	8.7	13.1#
92	104.4	91.1	136.7

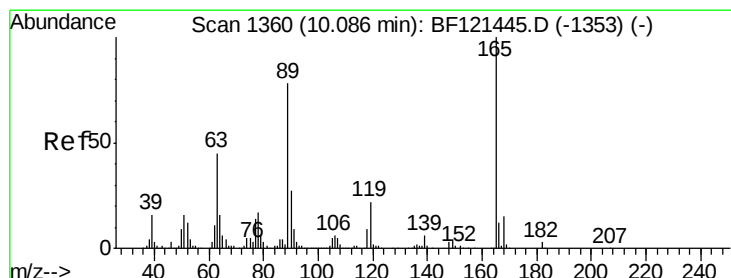
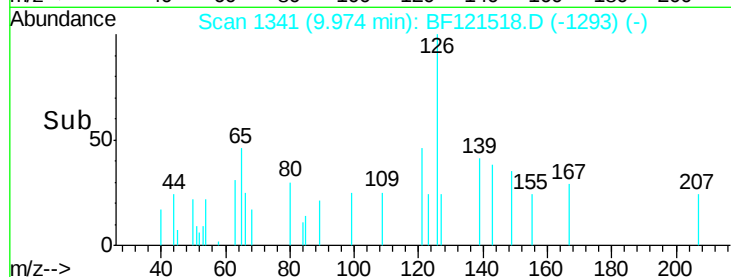
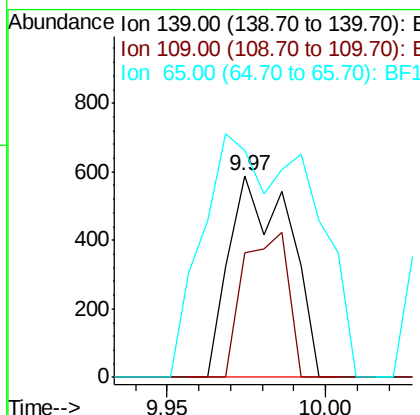
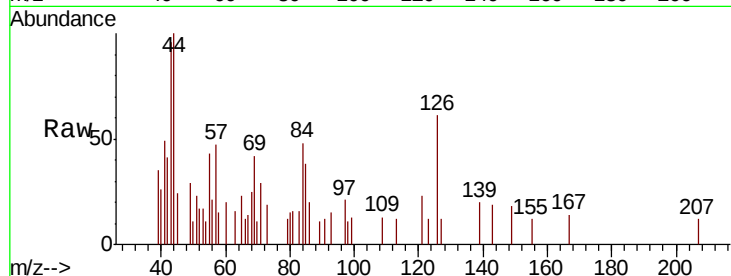




#56
4-Nitrophenol
Concen: 7.952 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF121518.D
Acq: 2 Sep 2020 17:25

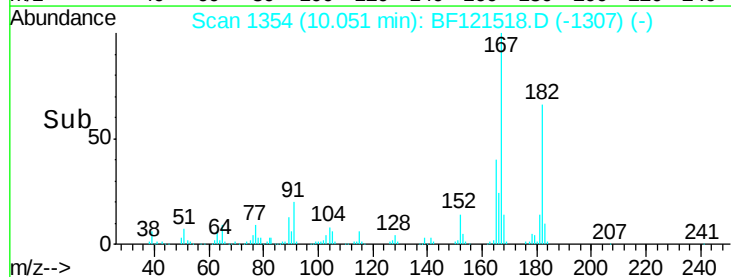
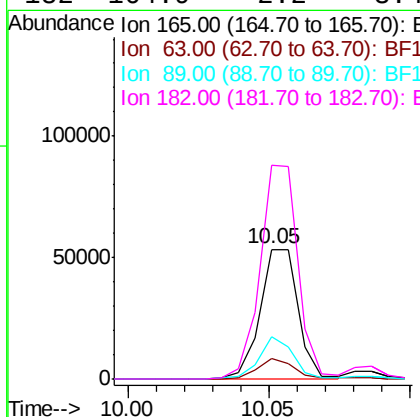
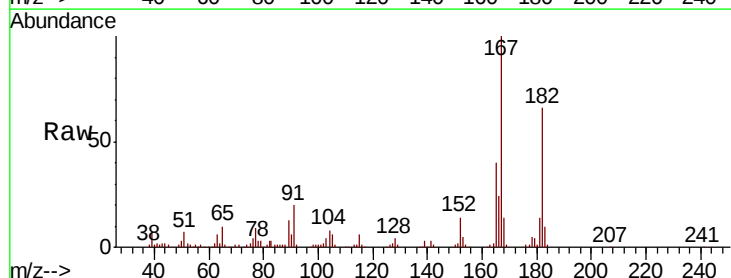
Instrument :
BNA_F
ClientSampleId :
OK-03-090120

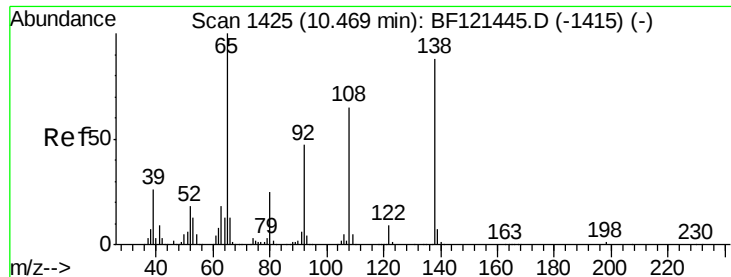
Tot Ion:139 Resp: 774
Ion Ratio Lower Upper
139 100
109 61.8 44.3 84.3
65 112.4 70.2 110.2#



#57
2,4-Dinitrotoluene
Concen: 12.140 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.02 min
Lab File: BF121518.D
Acq: 2 Sep 2020 17:25

Tgt Ion:165 Resp: 50269
Ion Ratio Lower Upper
165 100
63 15.7 33.6 50.4#
89 32.6 56.4 84.6#
182 164.9 2.2 3.4#

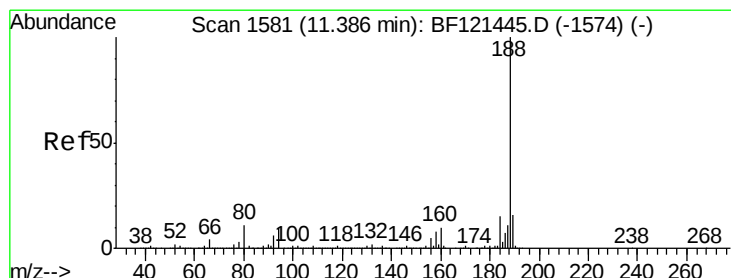
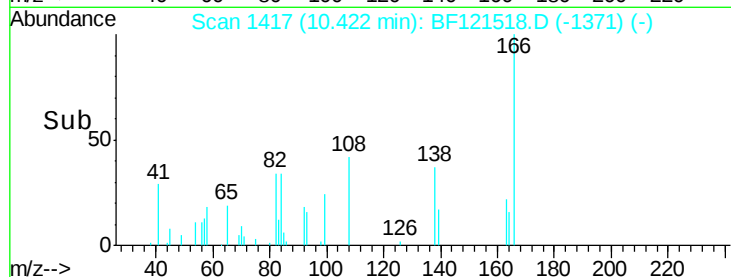
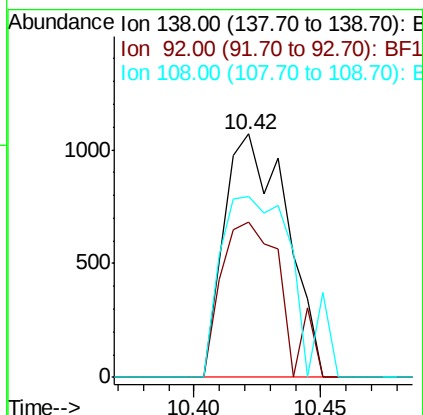
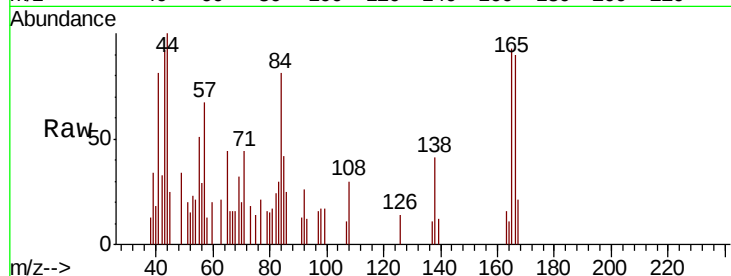




#62
4-Nitroaniline
Concen: 4.714 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.03 min
Lab File: BF121518.D
Acq: 2 Sep 2020 17:25

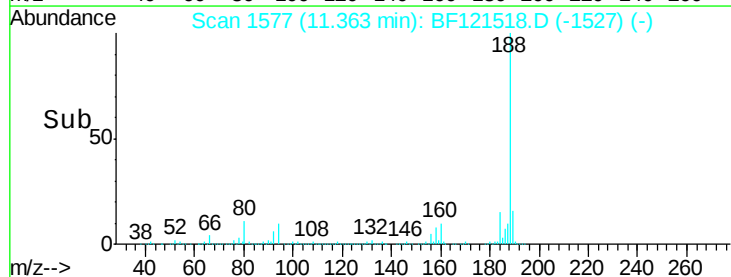
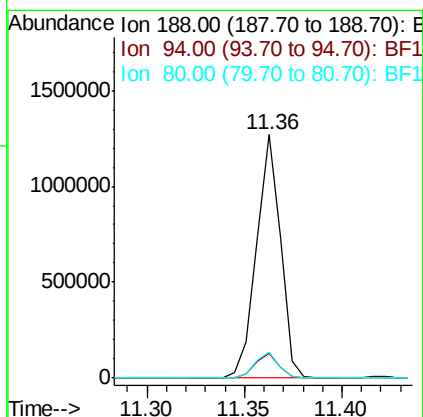
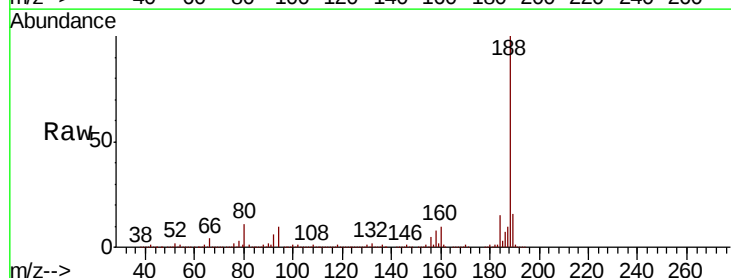
Instrument :
BNA_F
ClientSampleId :
OK-03-090120

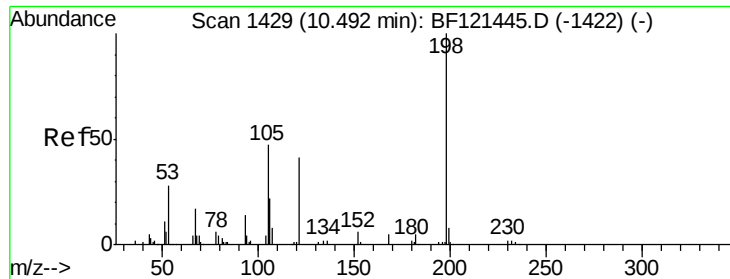
Tot Ion:138 Resp: 1835
Ion Ratio Lower Upper
138 100
92 63.9 32.2 72.2
108 74.1 49.1 89.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF121518.D
Acq: 2 Sep 2020 17:25

Tgt Ion:188 Resp: 1087110
Ion Ratio Lower Upper
188 100
94 10.3 8.8 13.2
80 10.9 9.1 13.7





#65

4,6-Dinitro-2-methylphenol

Concen: 6.351 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF121518.D

Acq: 2 Sep 2020 17:25

Instrument :

BNA_F

ClientSampleId :

OK-03-090120

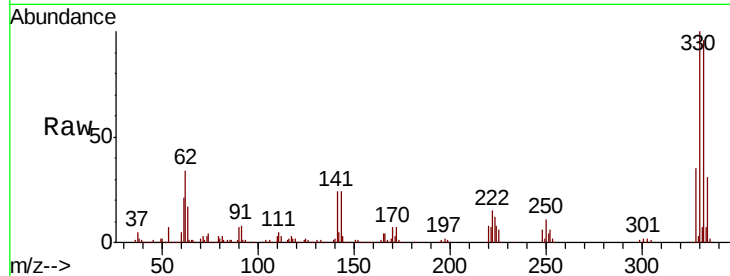
Tot Ion:198 Resp: 1733

Ion Ratio Lower Upper

198 100

51 132.7 24.9 64.9#

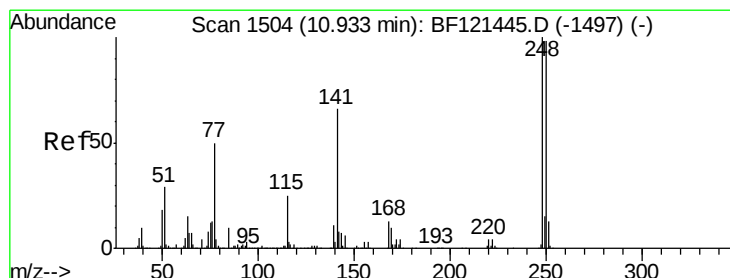
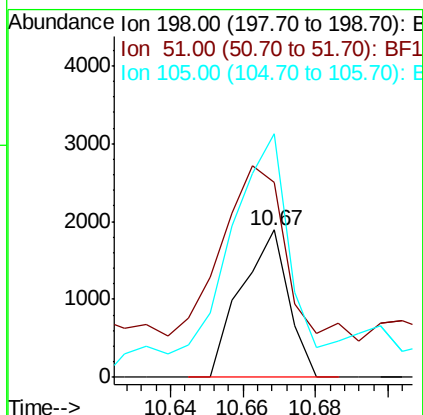
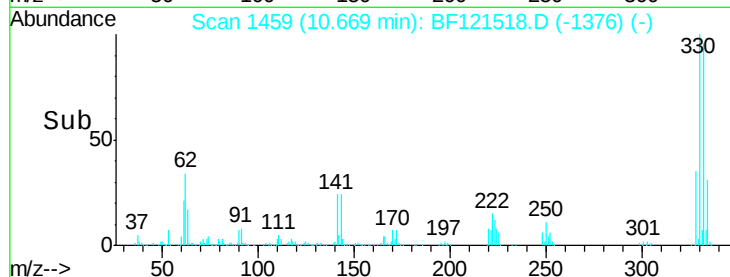
105 165.2 25.8 65.8#



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: 3.852 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF121518.D

Acq: 2 Sep 2020 17:25

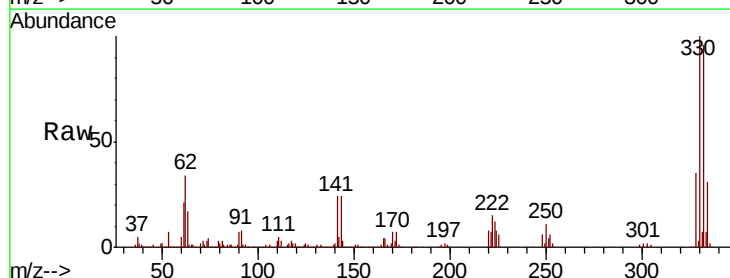
Tgt Ion:248 Resp: 46072

Ion Ratio Lower Upper

248 100

250 194.2 77.8 116.6#

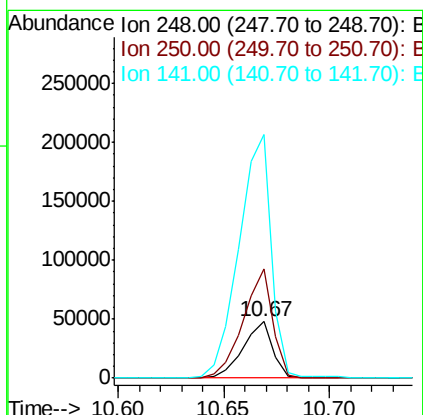
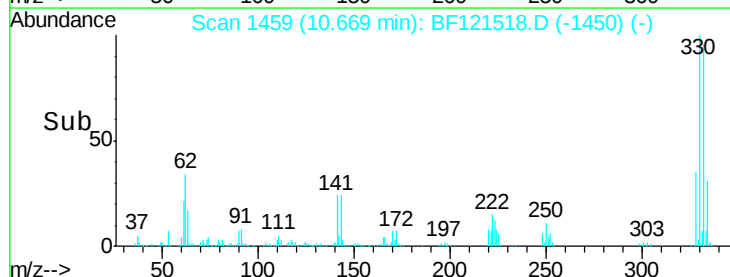
141 430.8 56.4 84.6#

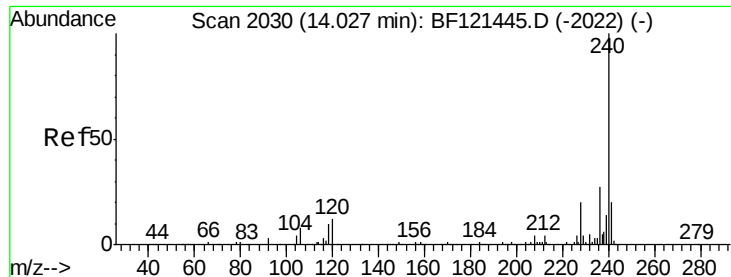


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

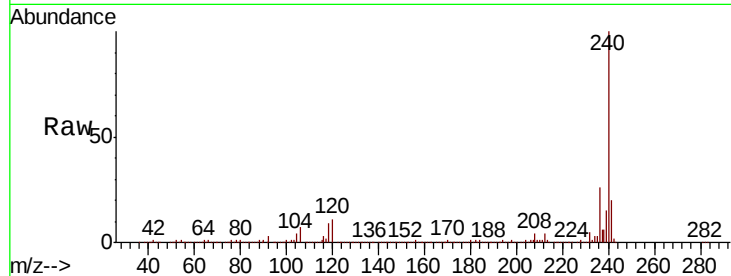




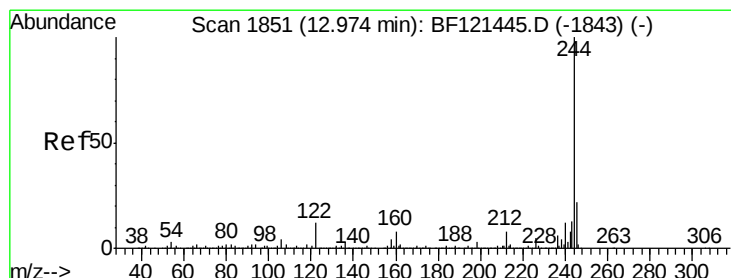
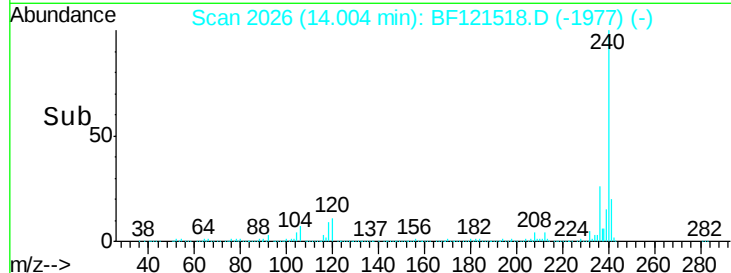
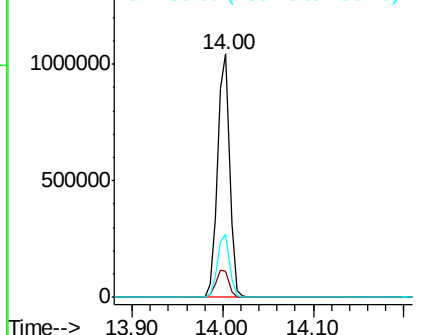
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF121518.D
Acq: 2 Sep 2020 17:25

Instrument :
BNA_F
ClientSampleId :
OK-03-090120

Tot Ion:240 Resp: 955689
Ion Ratio Lower Upper
240 100
120 10.7 8.0 12.0
236 26.1 21.4 32.2

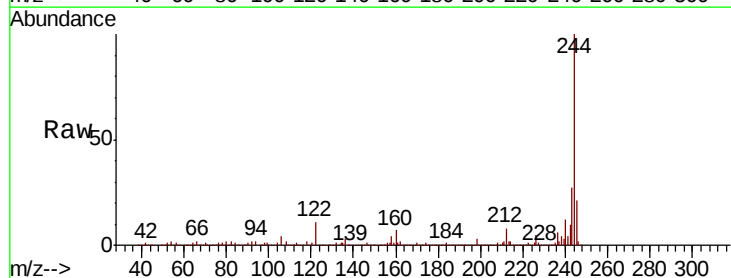


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

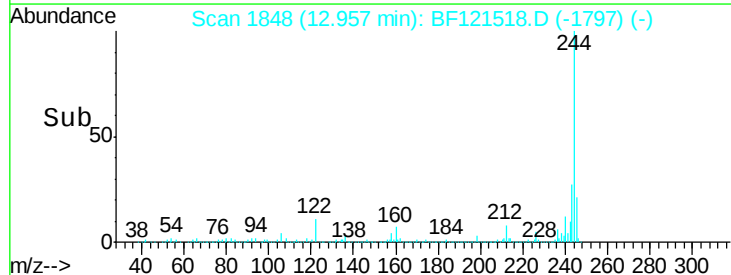
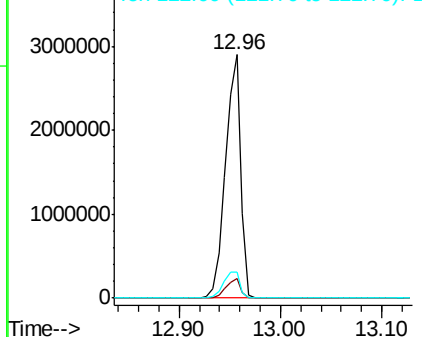


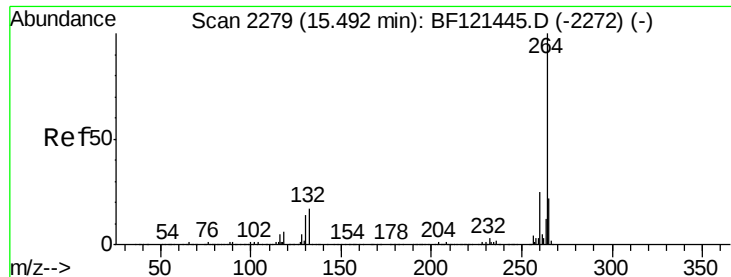
#79
Terphenyl-d14
Concen: 66.262 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.00 min
Lab File: BF121518.D
Acq: 2 Sep 2020 17:25

Tgt Ion:244 Resp: 3008440
Ion Ratio Lower Upper
244 100
212 7.8 6.0 9.0
122 10.8 9.3 13.9



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





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF121518.D
Acq: 2 Sep 2020 17:25

Instrument :
BNA_F
ClientSampleId :
OK-03-090120

Tot Ion:264 Resp: 1028331

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.7	29.5
265	21.5	17.4	26.2

