

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
 Data File : BF121273.D
 Acq On : 13 Aug 2020 16:30
 Operator : JU/CG
 Sample : PB130942BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB130942BL

Quant Time: Aug 13 17:57:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 13 15:23:26 2020
 Response via : Initial Calibration

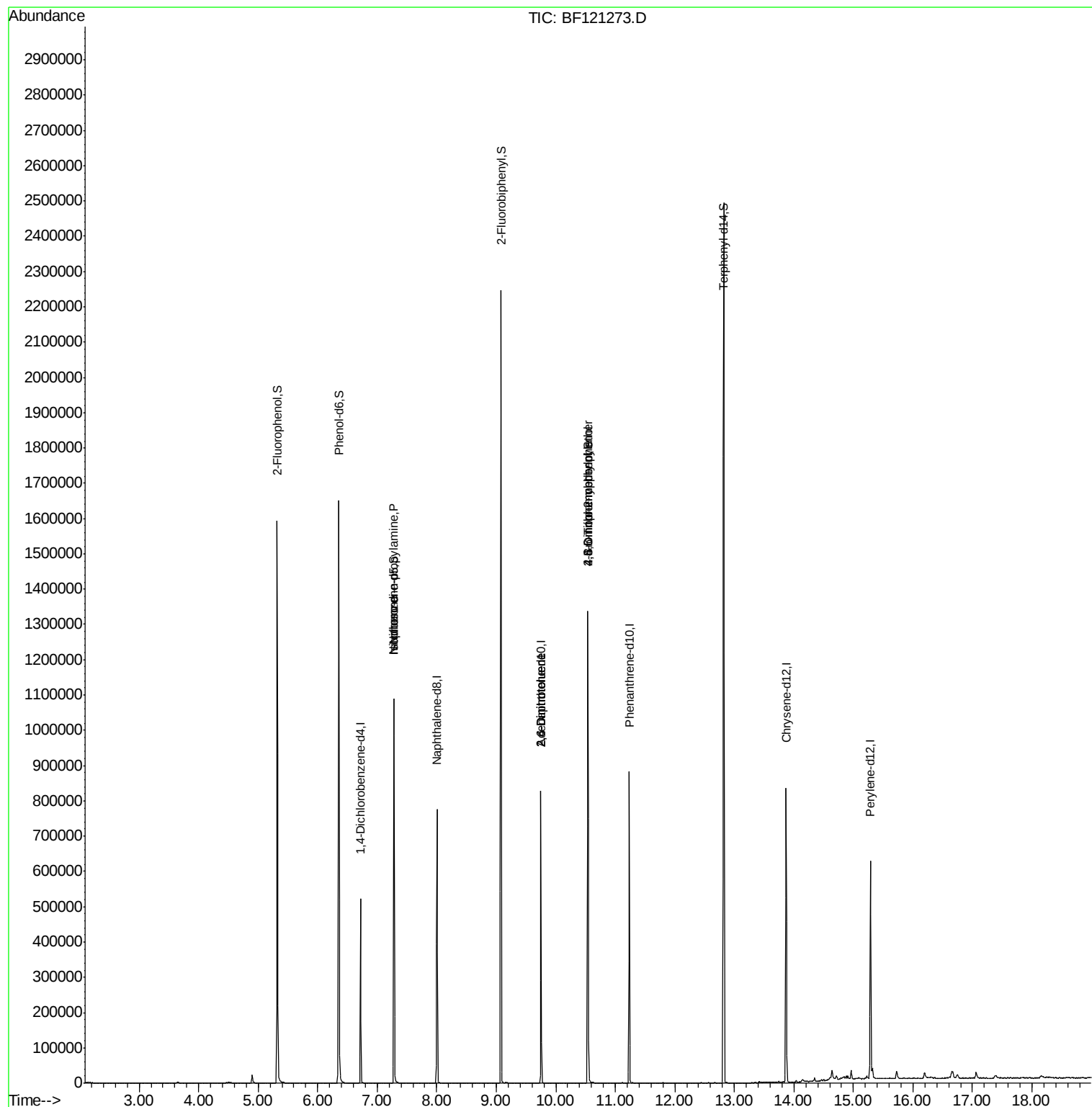
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	77956	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	302036	20.00	ng	0.00
39) Acenaphthene-d10	9.75	164	155408	20.00	ng	0.00
64) Phenanthrene-d10	11.23	188	309202	20.00	ng	0.00
76) Chrysene-d12	13.87	240	270707	20.00	ng	0.00
86) Perylene-d12	15.29	264	259341	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	448610	87.24	ng	0.01
7) Phenol-d6	6.36	99	531009	80.14	ng	0.00
23) Nitrobenzene-d5	7.28	82	340081	61.54	ng	0.00
42) 2,4,6-Tribromophenol	10.54	330	157266	82.19	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	671076	59.73	ng	0.00
79) Terphenyl-d14	12.82	244	764500	55.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	43484	11.811	ng	# 78
25) Isophorone	7.28	82	340078	30.650	ng	# 62
51) 2,6-Dinitrotoluene	9.75	165	19697	7.556	ng	# 25
57) 2,4-Dinitrotoluene	9.75	165	19697	5.758	ng	# 26
65) 4,6-Dinitro-2-methylphenol	10.54	198	142	5.999	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	9160	2.540	ng	# 1

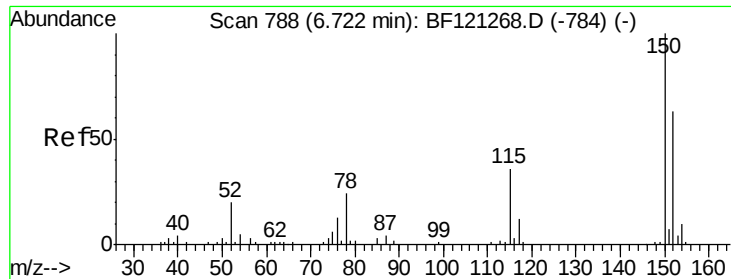
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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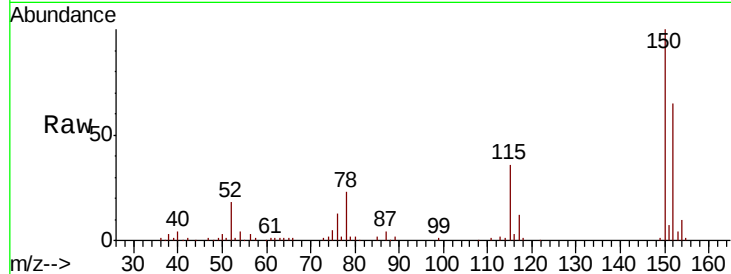


#1

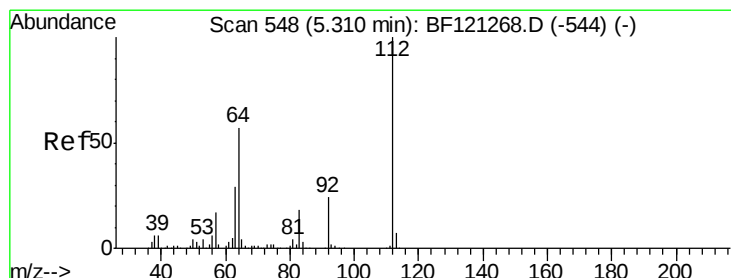
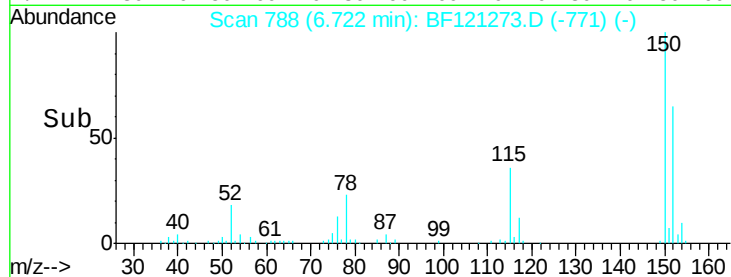
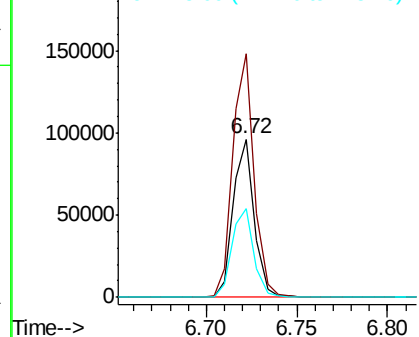
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF121273.D
Acq: 13 Aug 2020 16:30

Instrument :
BNA_F
ClientSampleId :
PB130942BL

Tot Ion:152 Resp: 77956
Ion Ratio Lower Upper
152 100
150 154.1 129.0 193.6
115 56.2 49.0 73.4



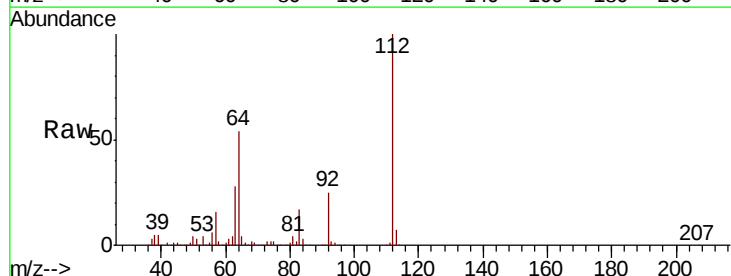
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



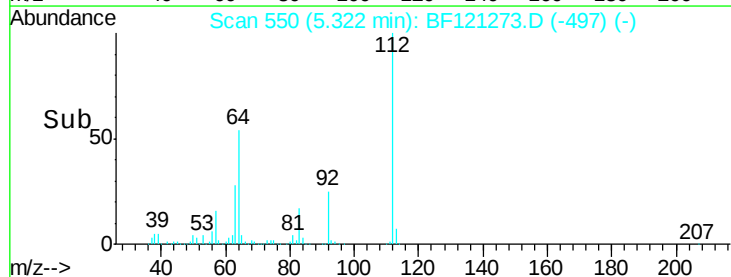
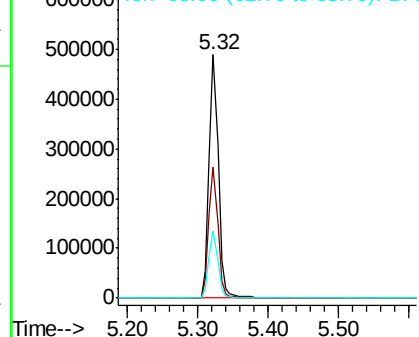
#5

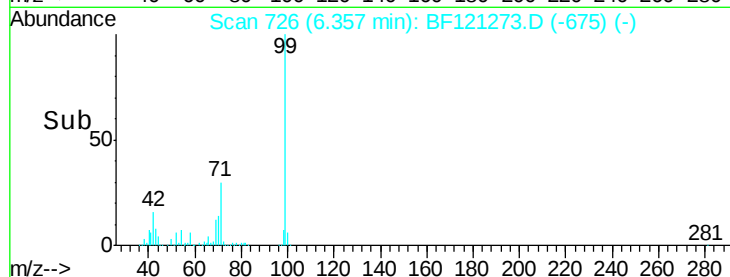
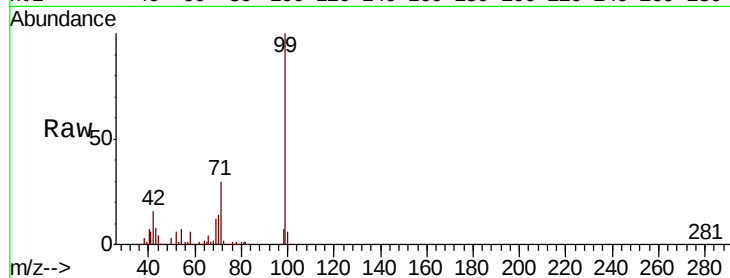
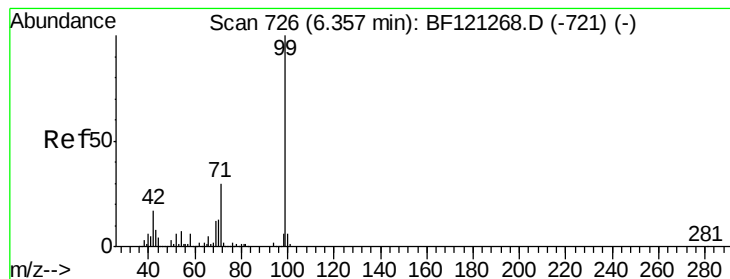
2-Fluorophenol
Concen: 87.244 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF121273.D
Acq: 13 Aug 2020 16:30

Tgt Ion:112 Resp: 448610
Ion Ratio Lower Upper
112 100
64 53.8 45.4 68.2
63 27.5 23.0 34.6



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: 80.138 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF121273.D

Acq: 13 Aug 2020 16:30

Instrument :

BNA_F

ClientSampleId :

PB130942BL

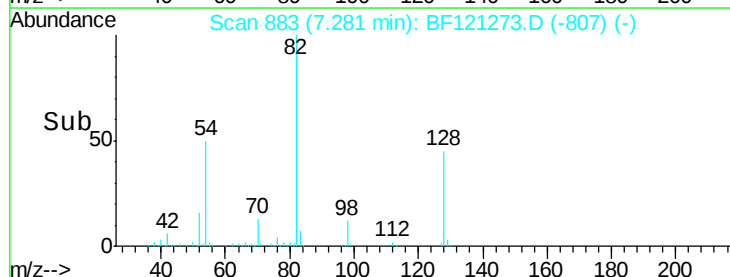
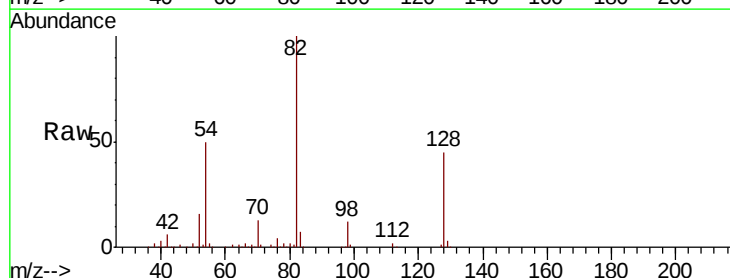
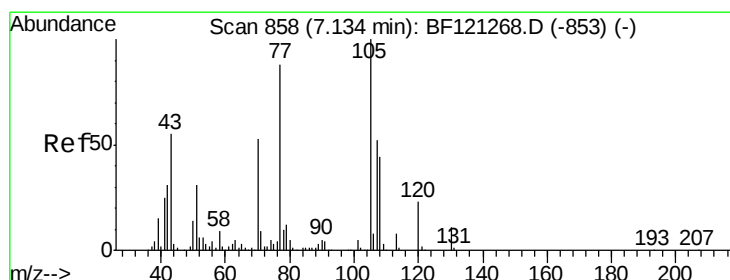
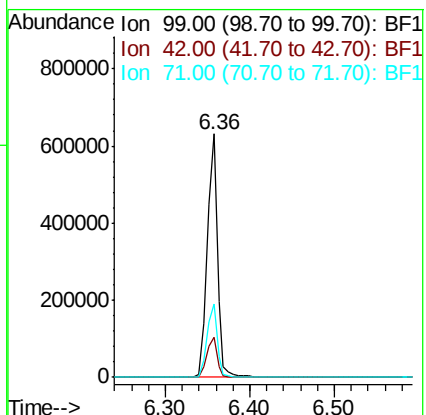
Tot Ion: 99 Resp: 531009

Ion Ratio Lower Upper

99 100

42 16.3 13.1 19.7

71 30.4 23.7 35.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.811 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF121273.D

Acq: 13 Aug 2020 16:30

Tgt Ion: 70 Resp: 43484

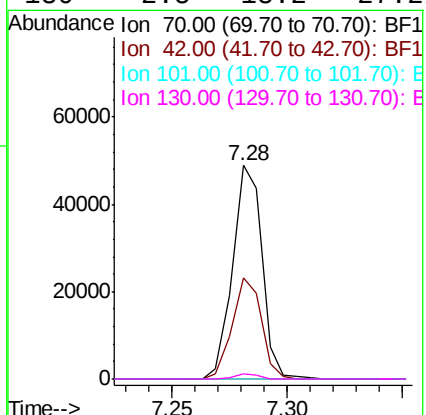
Ion Ratio Lower Upper

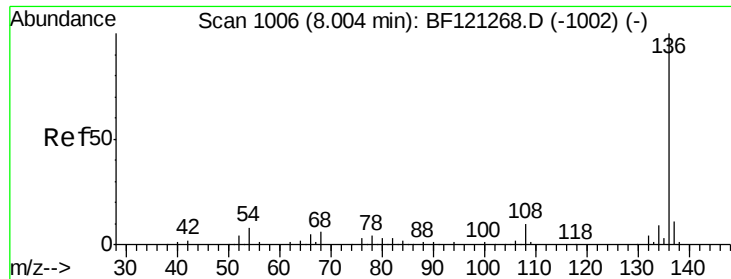
70 100

42 47.5 45.6 68.4

101 0.0 7.8 11.8#

130 2.5 18.2 27.2#

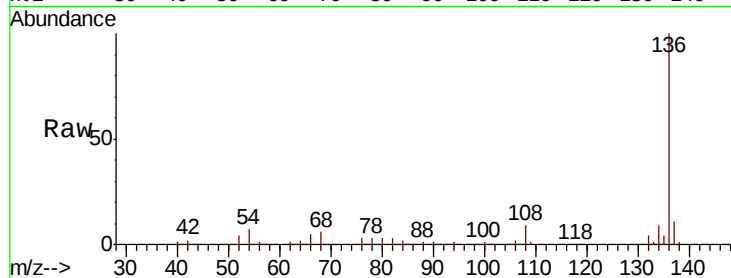




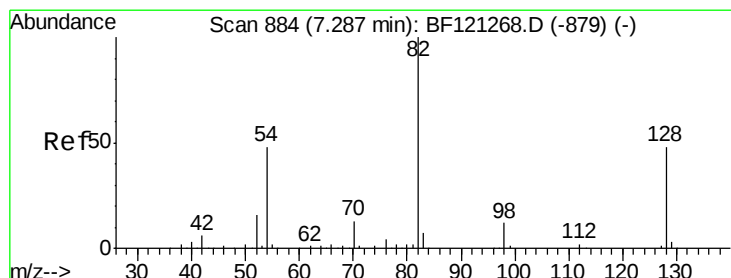
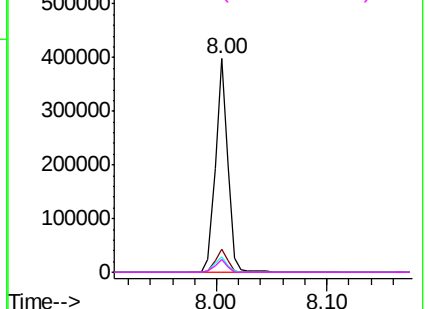
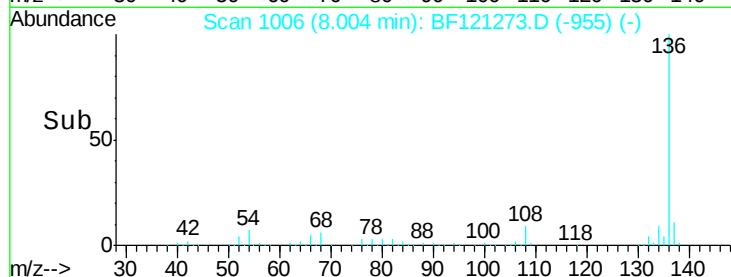
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BF121273.D
Acq: 13 Aug 2020 16:30

Instrument :
BNA_F
ClientSampleId :
PB130942BL

Tot Ion:136	Resp:	302036
Ion Ratio	Lower	Upper
136 100		
137 10.7	8.6	13.0
54 7.4	5.3	7.9
68 6.1	4.2	6.2

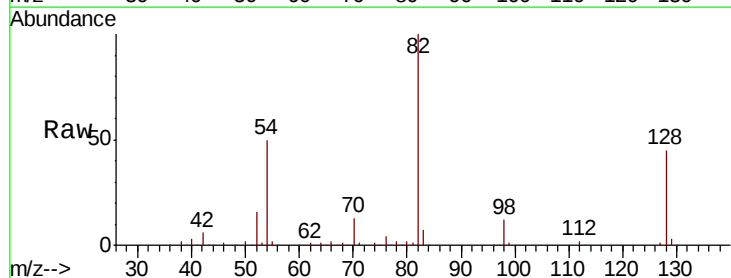


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

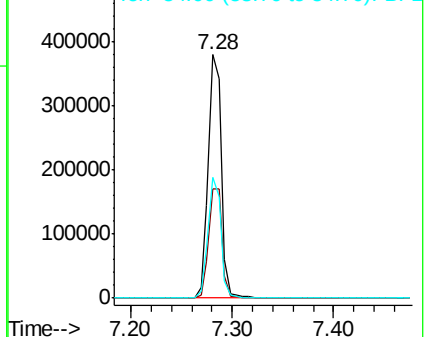
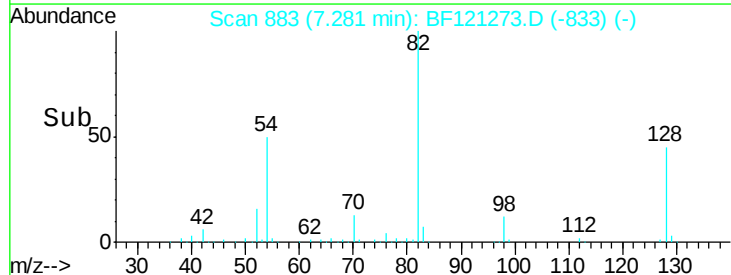


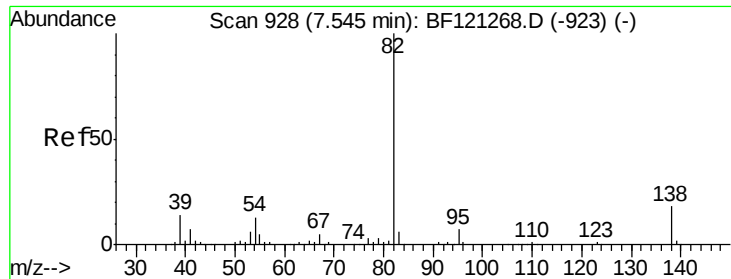
#23
Nitrobenzene-d5
Concen: 61.537 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF121273.D
Acq: 13 Aug 2020 16:30

Tgt	Ion: 82	Resp:	340081
Ion	Ratio	Lower	Upper
82	100		
128	45.0	39.8	59.8
54	49.7	37.7	56.5



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: 30.650 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF121273.D

Acq: 13 Aug 2020 16:30

Instrument :

BNA_F

ClientSampleId :

PB130942BL

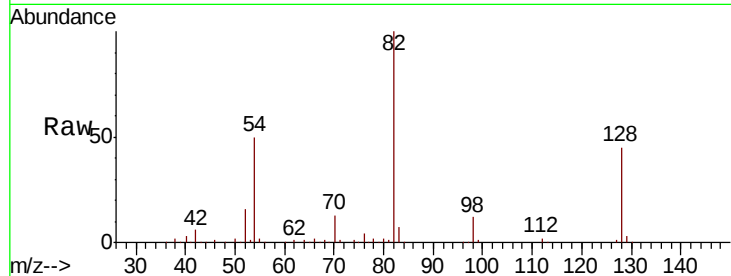
Tot Ion: 82 Resp: 340078

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

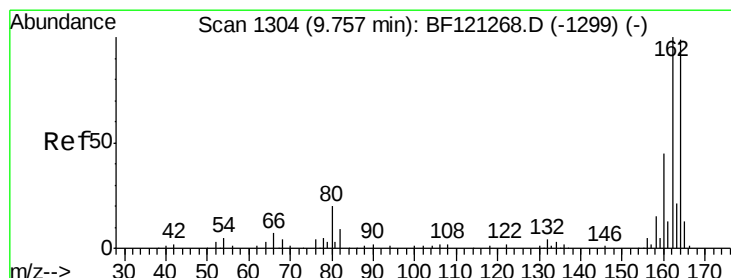
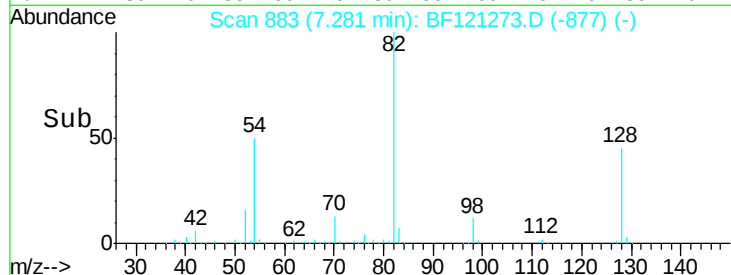
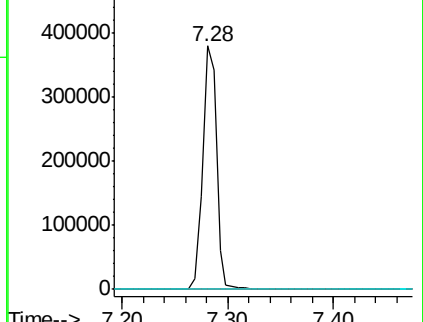
138 0.0 16.0 24.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF121273.D

Acq: 13 Aug 2020 16:30

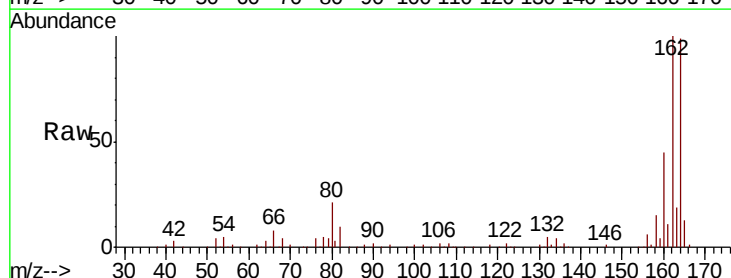
Tgt Ion: 164 Resp: 155408

Ion Ratio Lower Upper

164 100

162 101.0 81.2 121.8

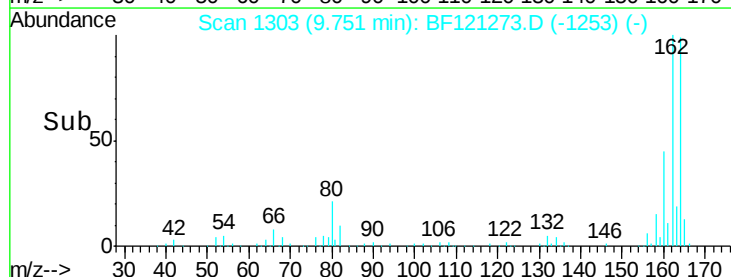
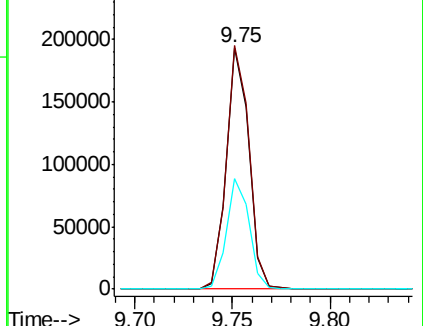
160 45.7 36.9 55.3

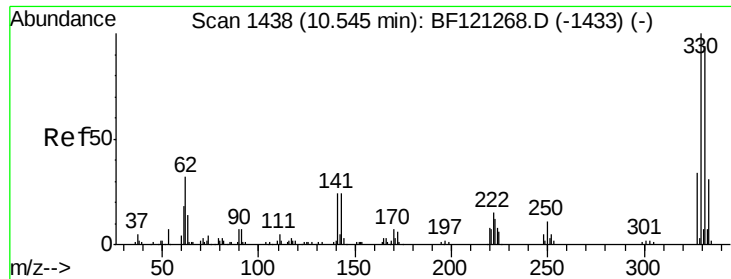


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

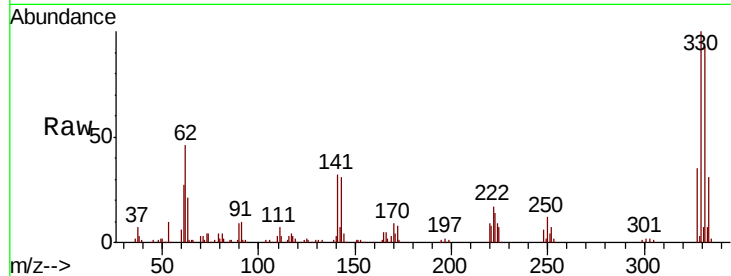




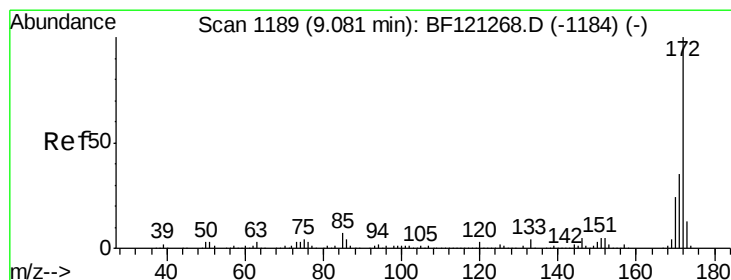
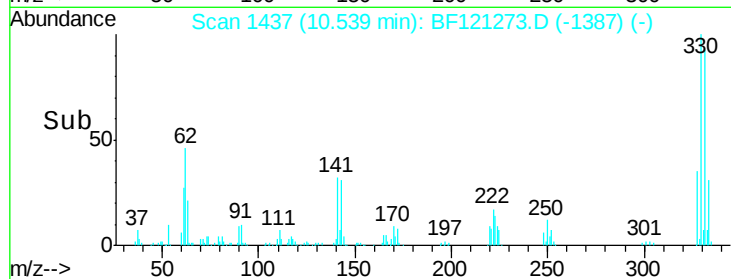
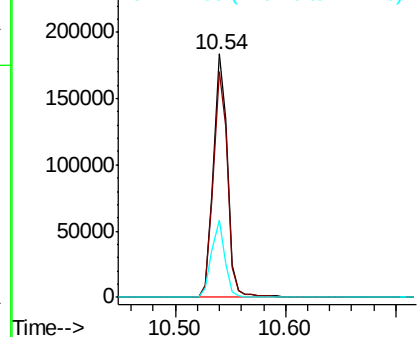
#42
 2,4,6-Tribromophenol
 Concen: 82.193 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF121273.D
 Acq: 13 Aug 2020 16:30

Instrument :
 BNA_F
 ClientSampleId :
 PB130942BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	75.4	113.0
141	30.0	23.4	35.2

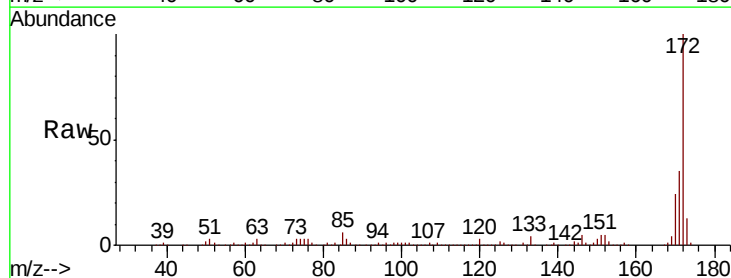


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

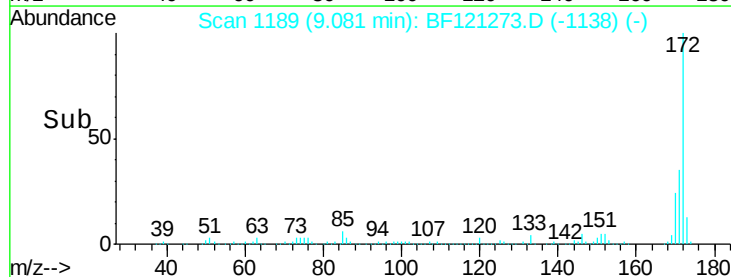
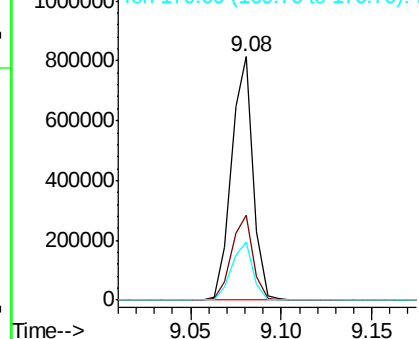


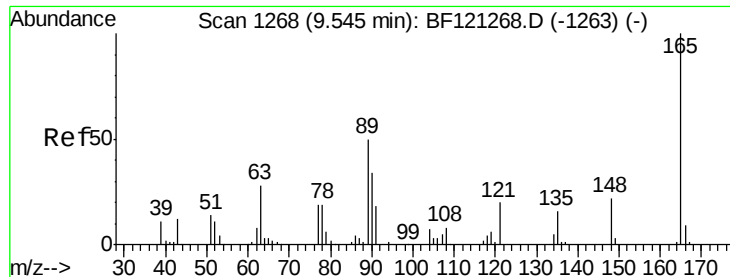
#45
 2-Fluorobiphenyl
 Concen: 59.733 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF121273.D
 Acq: 13 Aug 2020 16:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.3	42.5
170	23.9	19.3	28.9



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





#51

2,6-Dinitrotoluene

Concen: 7.556 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF121273.D

Acq: 13 Aug 2020 16:30

Instrument :

BNA_F

ClientSampleId :

PB130942BL

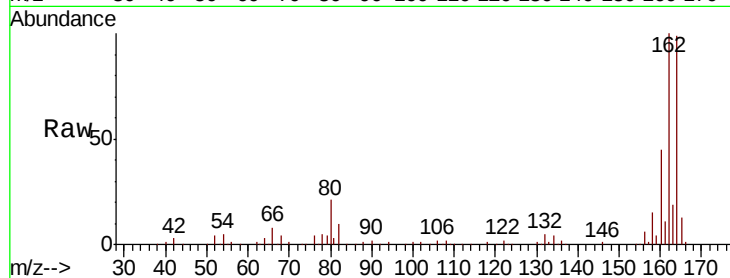
Tot Ion:165 Resp: 19697

Ion Ratio Lower Upper

165 100

63 1.2 42.3 63.5#

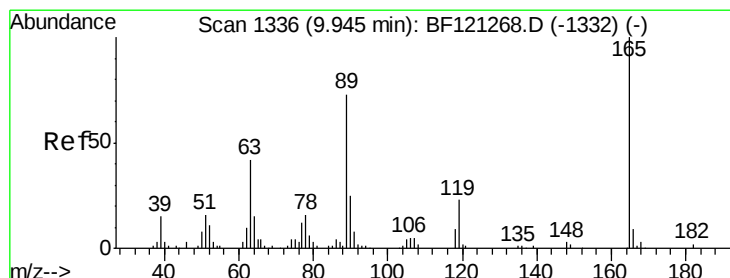
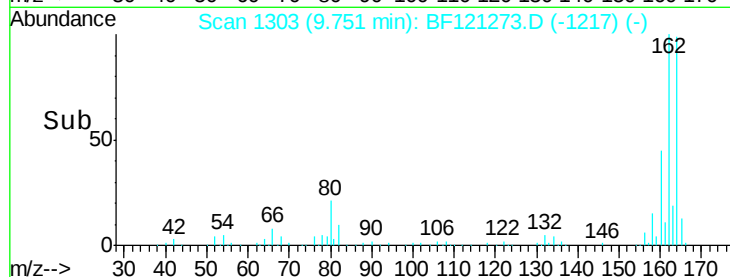
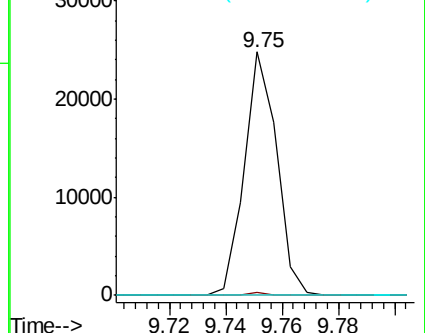
89 0.0 45.0 67.4#



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



#57

2,4-Dinitrotoluene

Concen: 5.758 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.19 min

Lab File: BF121273.D

Acq: 13 Aug 2020 16:30

Tgt Ion:165 Resp: 19697

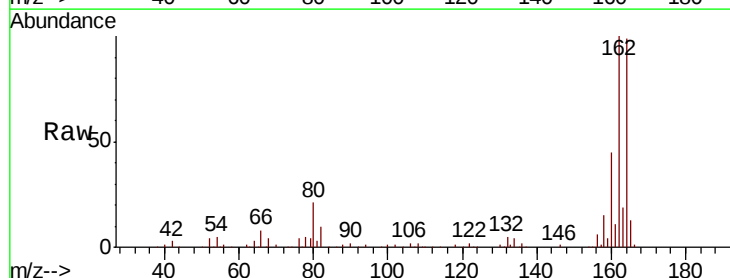
Ion Ratio Lower Upper

165 100

63 1.2 31.9 47.9#

89 0.0 53.6 80.4#

182 0.0 1.8 2.6#

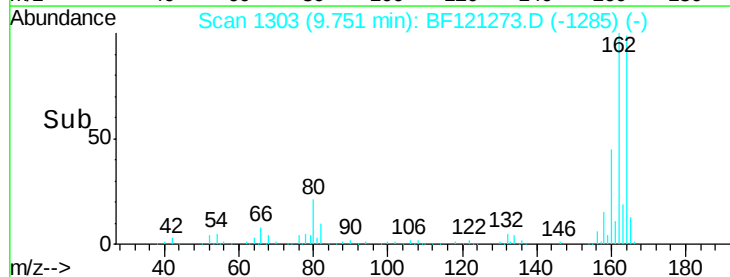
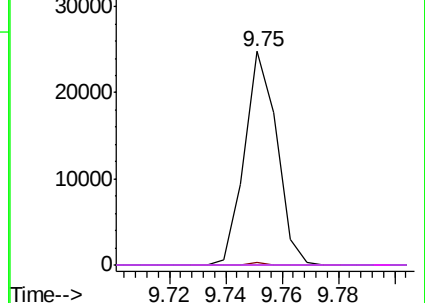


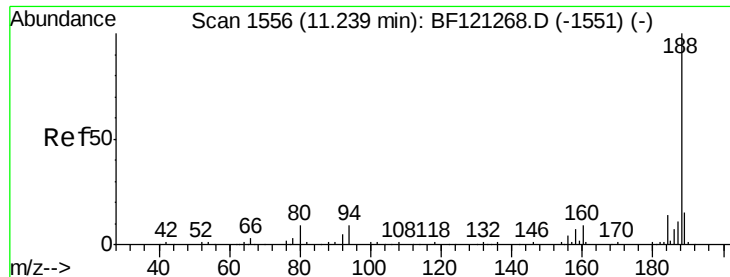
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF121273.D

Acq: 13 Aug 2020 16:30

Instrument :

BNA_F

ClientSampleId :

PB130942BL

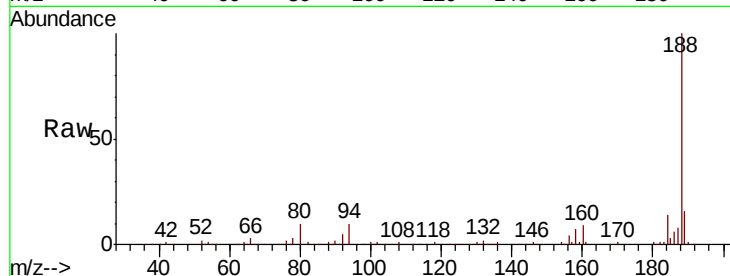
Tot Ion:188 Resp: 309202

Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.6

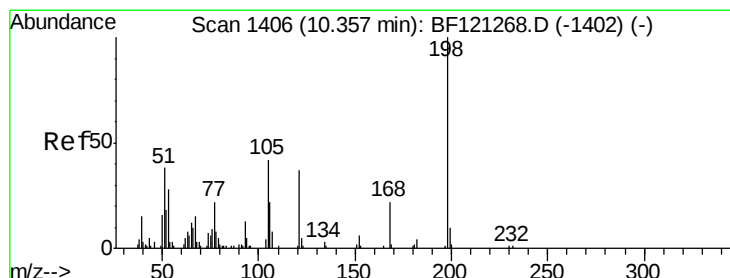
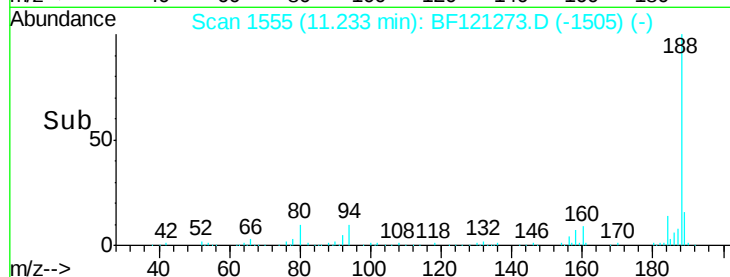
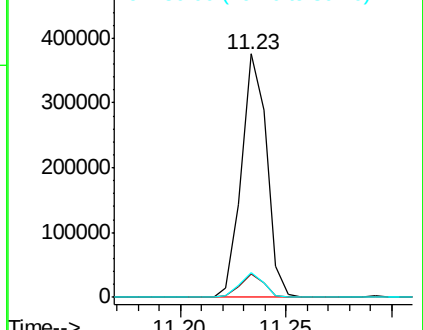
80 10.0 7.4 11.0



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: 5.999 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.18 min

Lab File: BF121273.D

Acq: 13 Aug 2020 16:30

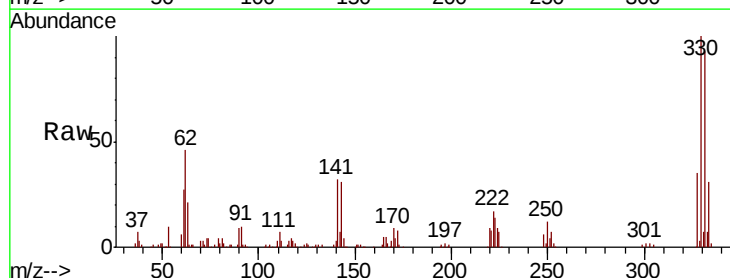
Tgt Ion:198 Resp: 142

Ion Ratio Lower Upper

198 100

51 184.3 29.1 69.1#

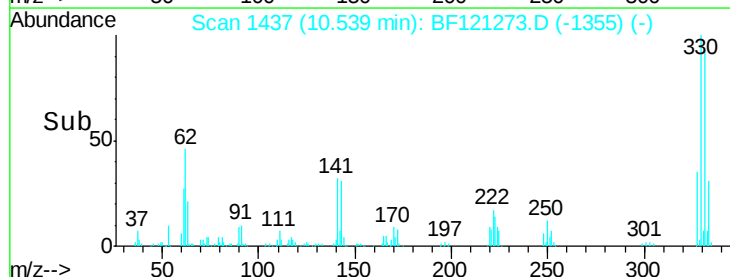
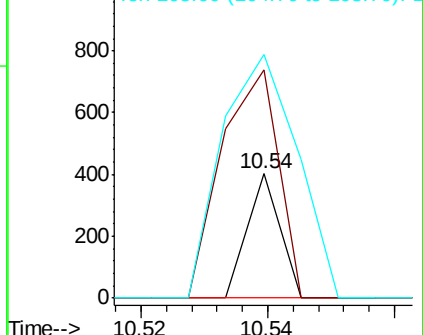
105 196.5 28.3 68.3#

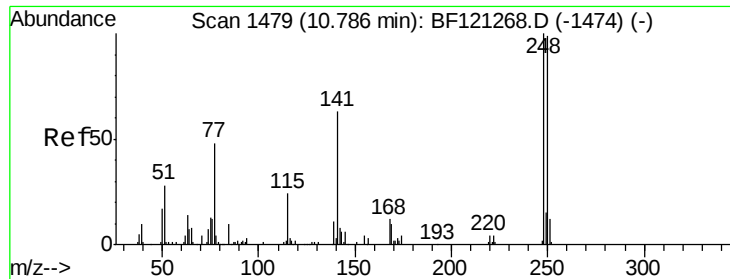


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

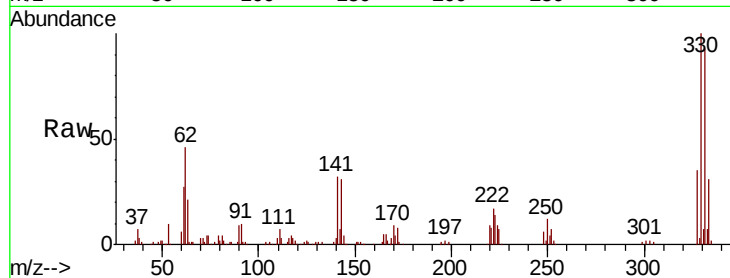




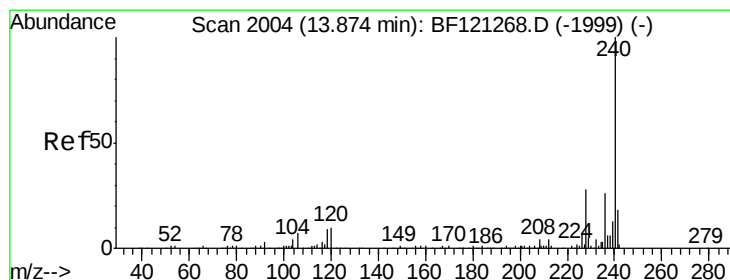
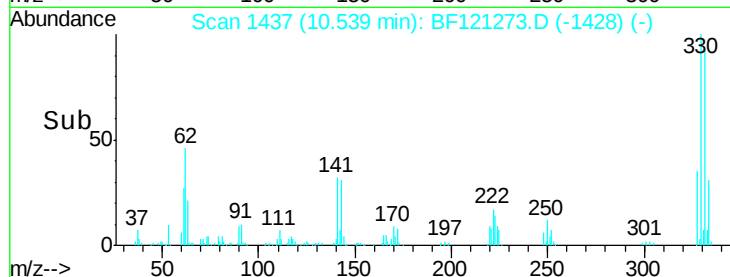
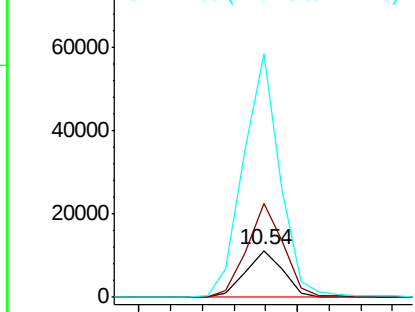
#67
4-Bromophenyl-phenylether
Concen: 2.540 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF121273.D
Acq: 13 Aug 2020 16:30

Instrument :
BNA_F
ClientSampleId :
PB130942BL

Tot Ion:248 Resp: 9160
Ion Ratio Lower Upper
248 100
250 198.8 77.7 116.5#
141 518.3 53.4 80.2#

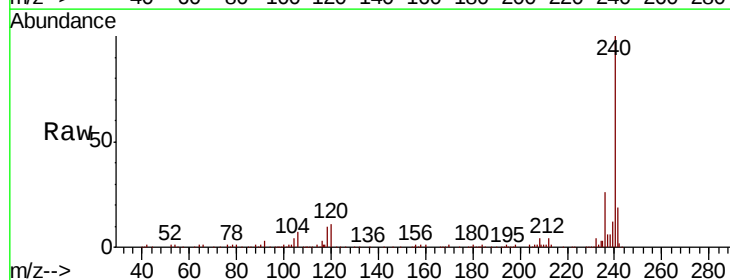


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

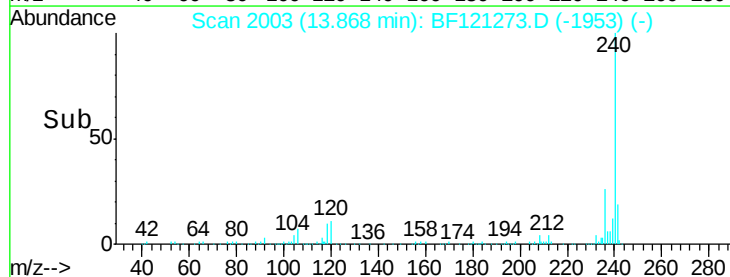
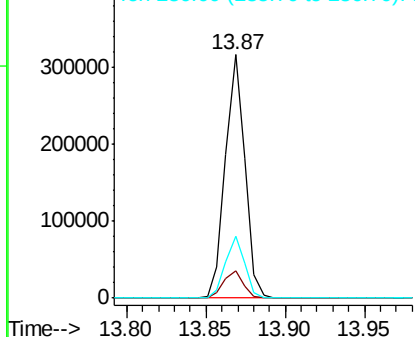


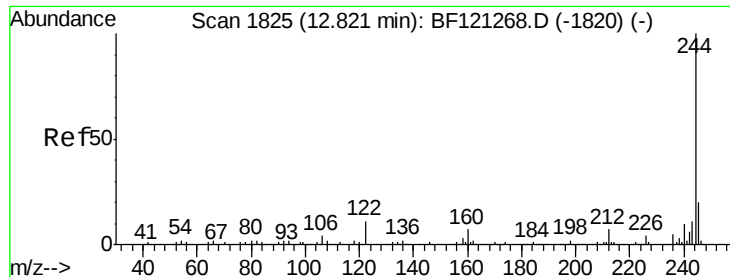
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF121273.D
Acq: 13 Aug 2020 16:30

Tgt Ion:240 Resp: 270707
Ion Ratio Lower Upper
240 100
120 11.1 9.2 13.8
236 25.6 21.0 31.4



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: 55.051 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF121273.D

Acq: 13 Aug 2020 16:30

Instrument :

BNA_F

ClientSampleId :

PB130942BL

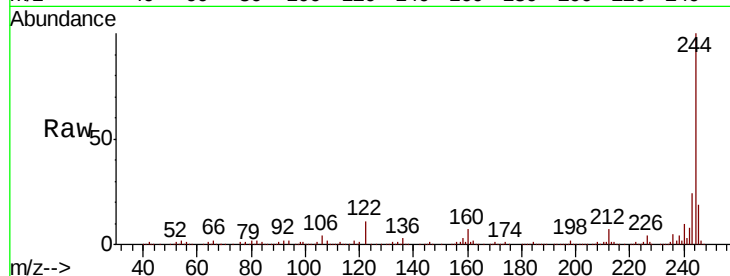
Tot Ion:244 Resp: 764500

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

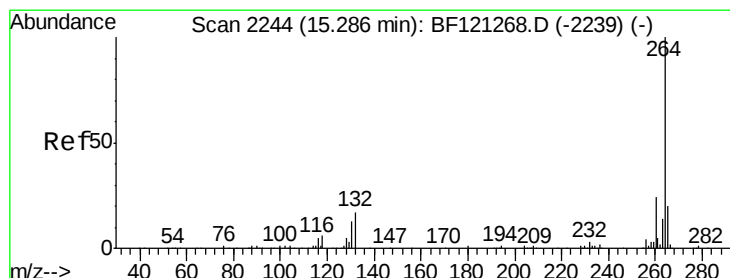
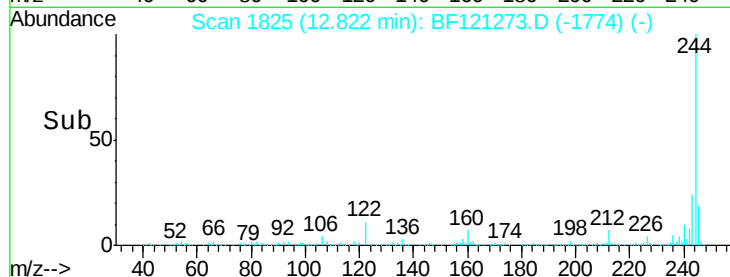
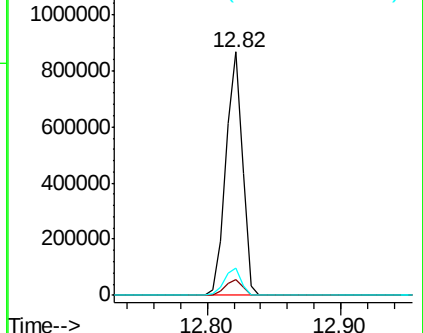
122 11.0 9.1 13.7



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

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.00 min

Lab File: BF121273.D

Acq: 13 Aug 2020 16:30

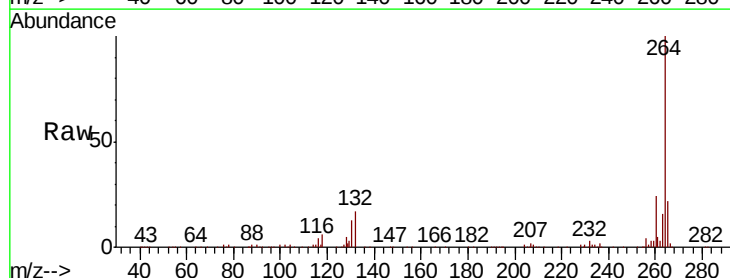
Tgt Ion:264 Resp: 259341

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 21.6 17.1 25.7



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

