

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
 Data File : BF121889.D
 Acq On : 8 Oct 2020 15:11
 Operator : JU/CG
 Sample : L4300-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 231-232-COMP

Quant Time: Oct 08 15:36:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

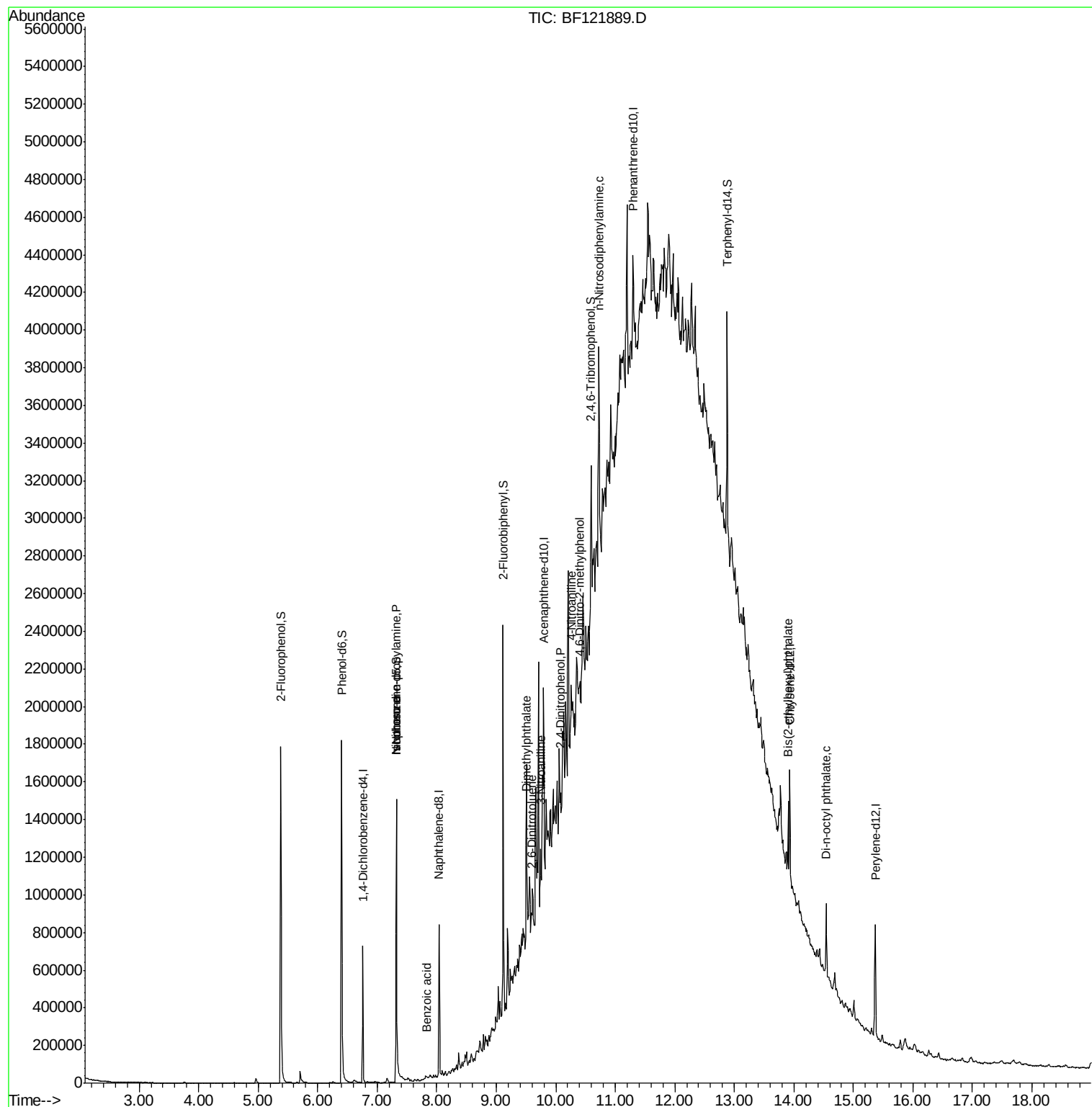
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	94900	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	361554	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	153207	20.00	ng	-0.01
64) Phenanthrene-d10	11.30	188	204374	20.00	ng	0.00
76) Chrysene-d12	13.93	240	206339	20.00	ng	0.00
86) Perylene-d12	15.37	264	247365	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	529618	82.94	ng	0.00
7) Phenol-d6	6.40	99	662573	79.09	ng	-0.01
23) Nitrobenzene-d5	7.32	82	437424	64.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	139356	73.19	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	664737	65.71	ng	-0.01
79) Terphenyl-d14	12.88	244	417956	41.04	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	58508	12.118	ng	# 86
25) Isophorone	7.32	82	437418	32.269	ng	# 67
32) Benzoic acid	7.84	122	832	7.093	ng	# 80
50) Dimethylphthalate	9.52	163	83323	7.504	ng	# 95
51) 2,6-Dinitrotoluene	9.60	165	5812	2.458	ng	# 27
53) 3-Nitroaniline	9.75	138	8219	3.000	ng	# 16
54) 2,4-Dinitrophenol	10.08	184	4170	11.759	ng	# 89
62) 4-Nitroaniline	10.26	138	15501	5.699	ng	# 80
65) 4,6-Dinitro-2-methylphenol	10.42	198	1813	8.091	ng	# 1
66) n-Nitrosodiphenylamine	10.72	169	31568	4.502	ng	# 97
84) Bis(2-ethylhexyl)phthalate	13.90	149	103651	12.725	ng	# 98
85) Di-n-octyl phthalate	14.54	149	36885	2.566	ng	# 1

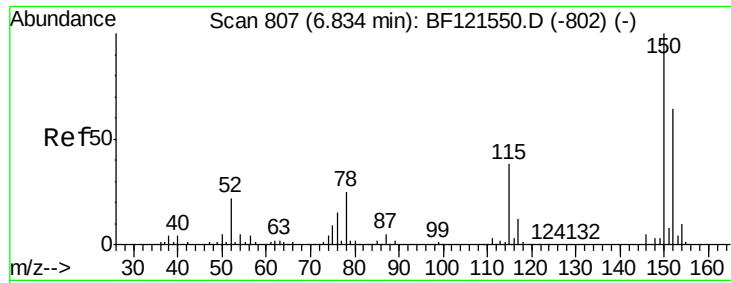
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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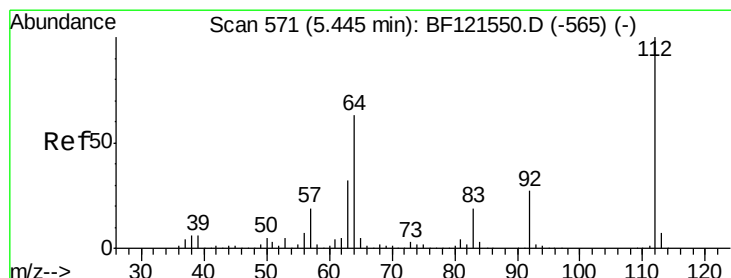
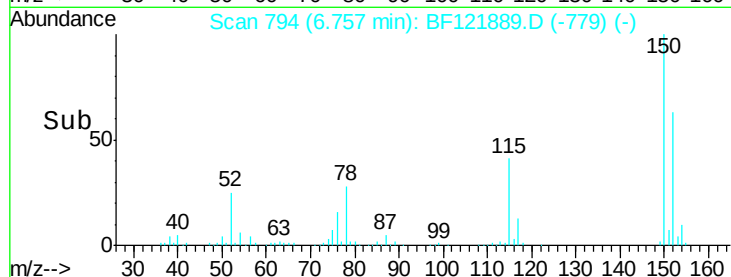
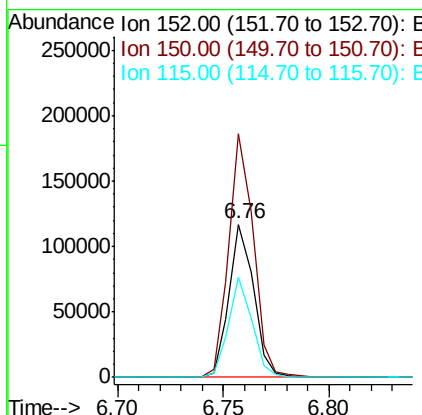
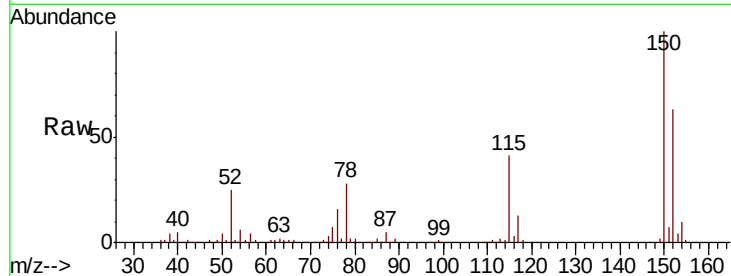


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF121889.D
Acq: 8 Oct 2020 15:11

Instrument :
BNA_F
ClientSampleId :
231-232-COMP

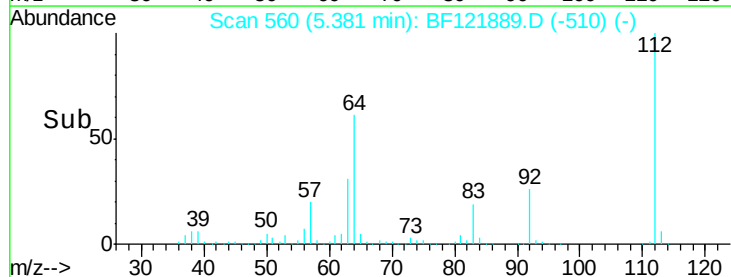
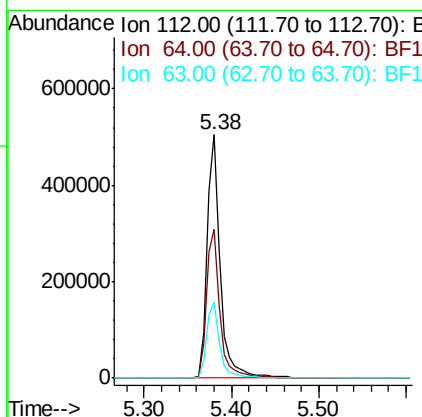
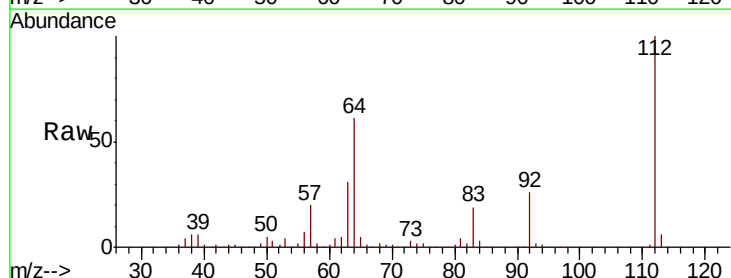
Tot Ion:152 Resp: 94900
Ion Ratio Lower Upper
152 100
150 158.9 125.3 187.9
115 65.1 51.9 77.9

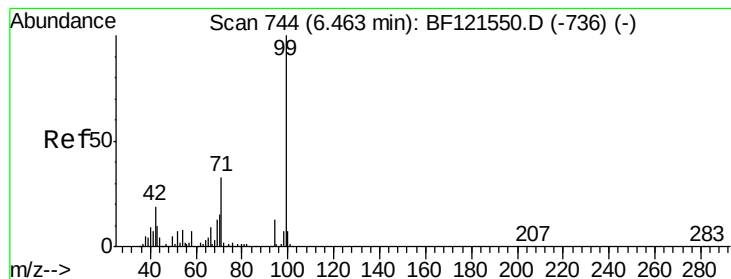


#5

2-Fluorophenol
Concen: 82.938 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121889.D
Acq: 8 Oct 2020 15:11

Tgt Ion:112 Resp: 529618
Ion Ratio Lower Upper
112 100
64 61.1 50.4 75.6
63 30.9 25.8 38.6





#7

Phenol-d6

Concen: 79.088 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

Instrument :

BNA_F

ClientSampleId :

231-232-COMP

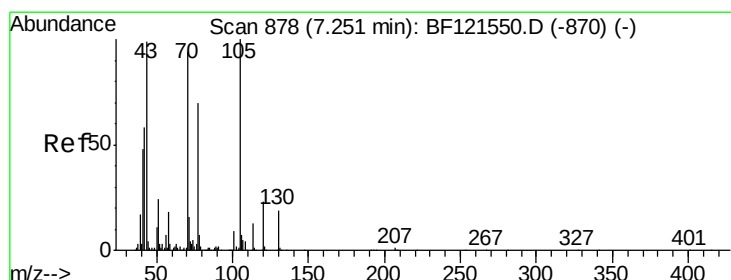
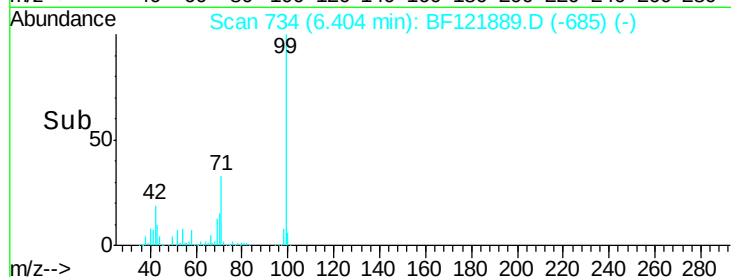
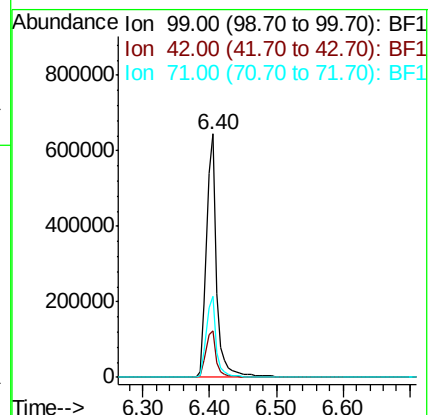
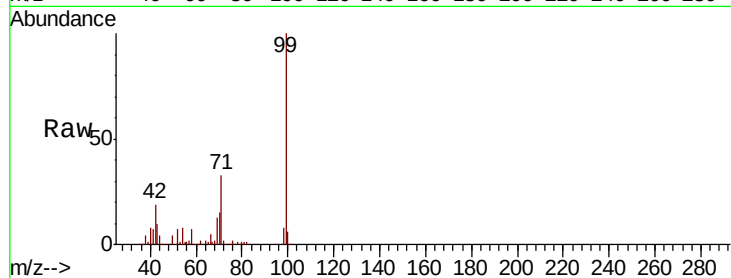
Tot Ion: 99 Resp: 662573

Ion Ratio Lower Upper

99 100

42 19.2 15.9 23.9

71 33.3 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.118 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.13 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

Tgt Ion: 70 Resp: 58508

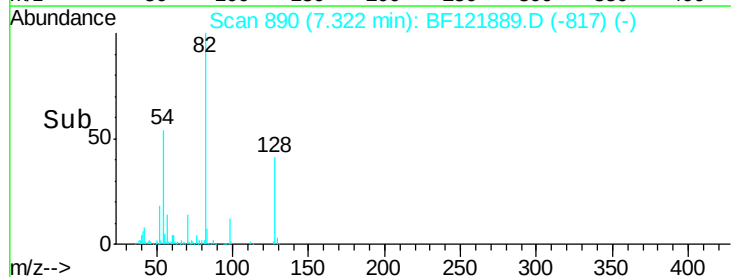
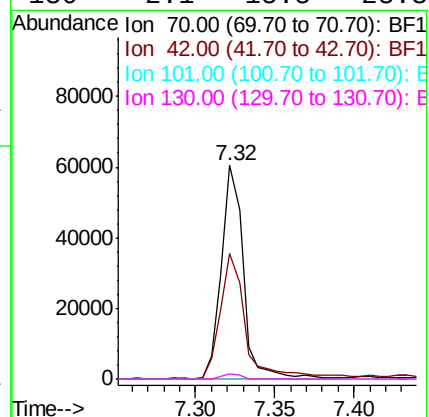
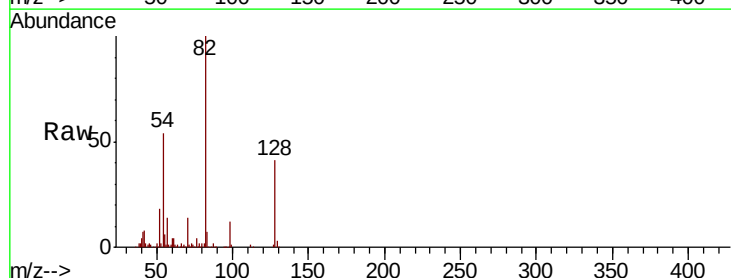
Ion Ratio Lower Upper

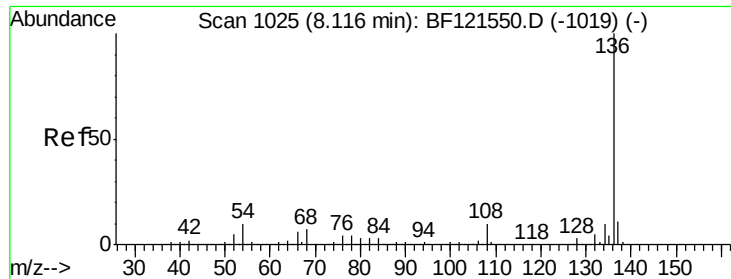
70 100

42 59.0 50.2 75.4

101 0.0 7.5 11.3#

130 2.1 15.5 23.3#

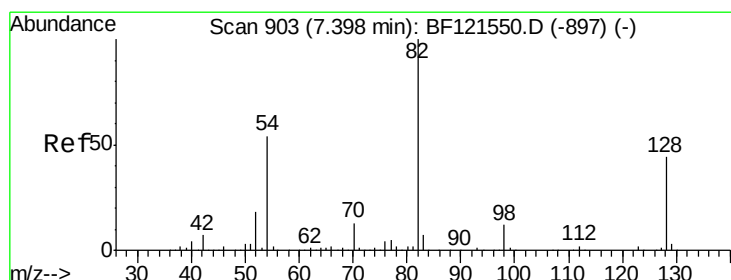
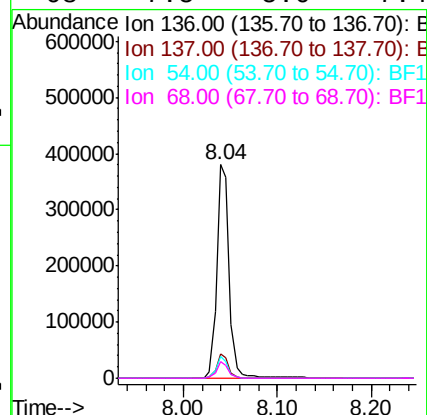
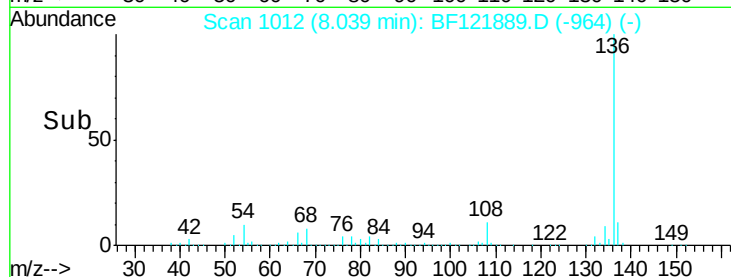
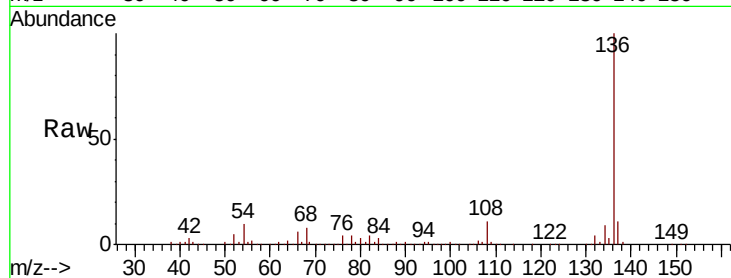




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF121889.D
Acq: 8 Oct 2020 15:11

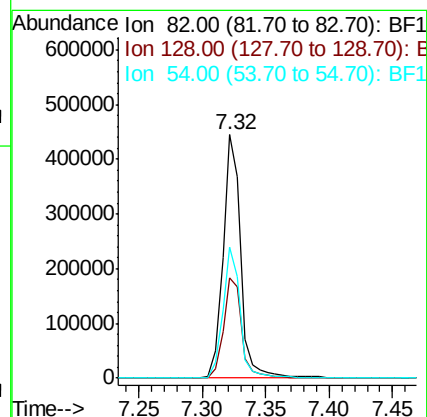
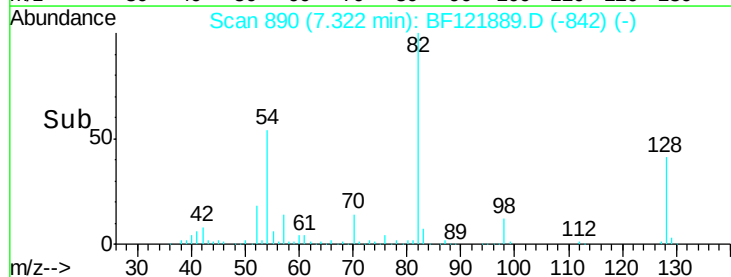
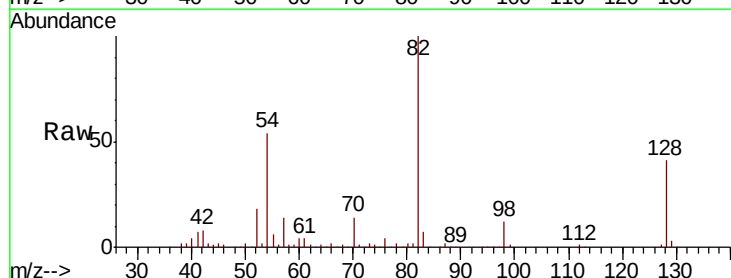
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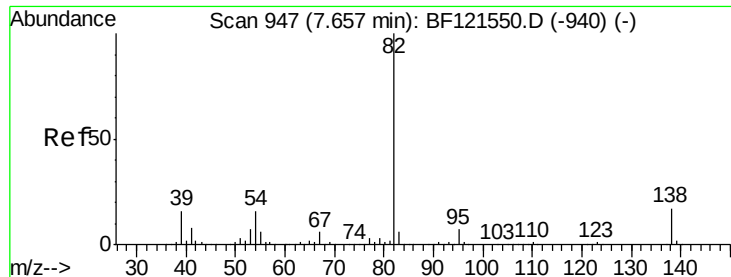
Tot Ion:136	Resp:	361554
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.6 13.0
54	10.2	7.1 10.7
68	7.5	5.0 7.4#



#23
Nitrobenzene-d5
Concen: 64.959 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121889.D
Acq: 8 Oct 2020 15:11

Tgt Ion: 82	Resp:	437424
Ion	Ratio	Lower Upper
82	100	
128	41.2	35.0 52.4
54	54.0	43.9 65.9





#25

Isophorone

Concen: 32.269 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

Instrument :

BNA_F

ClientSampleId :

231-232-COMP

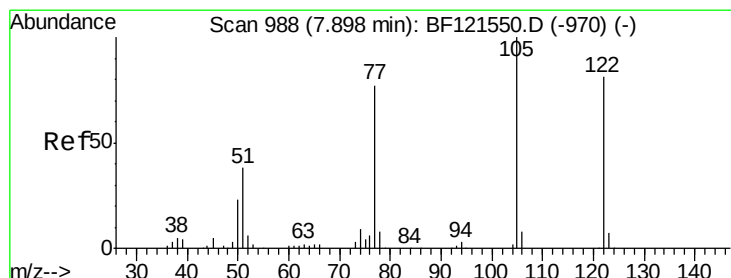
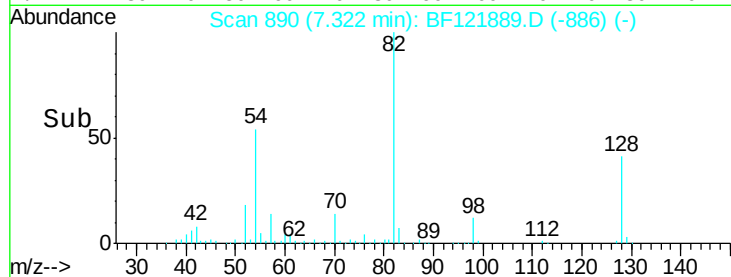
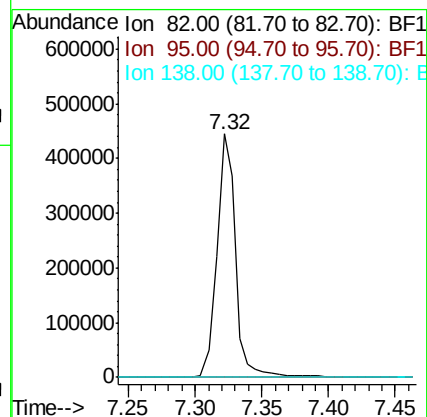
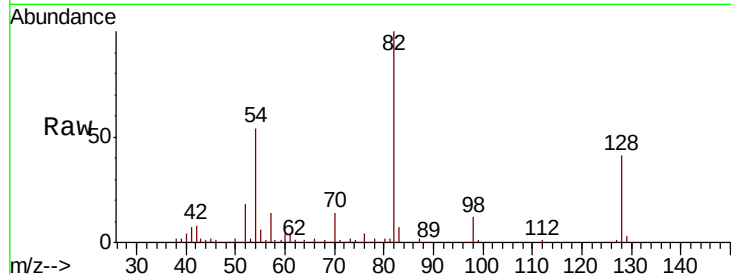
Tot Ion: 82 Resp: 437418

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.0#

138 0.0 13.4 20.0#



#32

Benzoic acid

Concen: 7.093 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.02 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

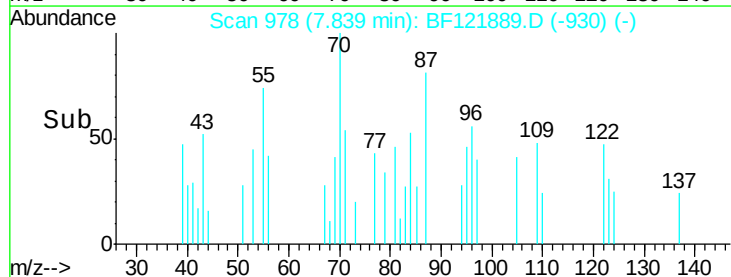
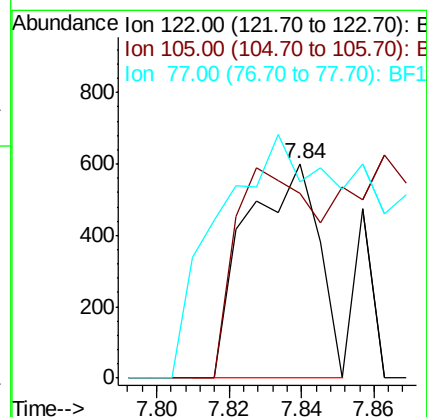
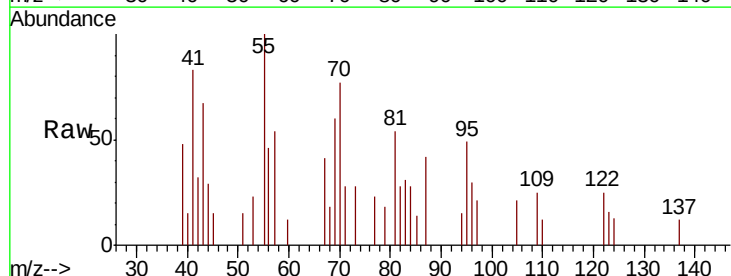
Tgt Ion: 122 Resp: 832

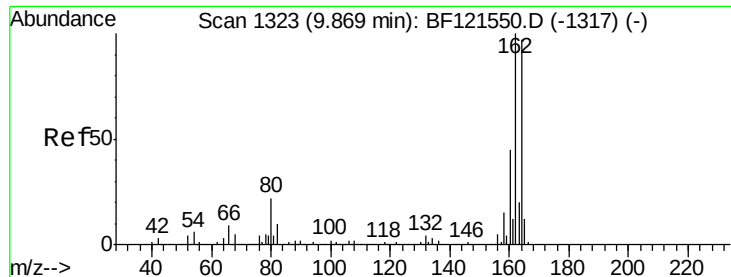
Ion Ratio Lower Upper

122 100

105 86.0 103.3 143.3#

77 91.5 73.9 113.9

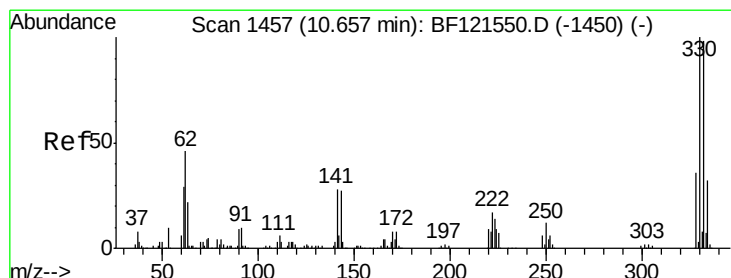
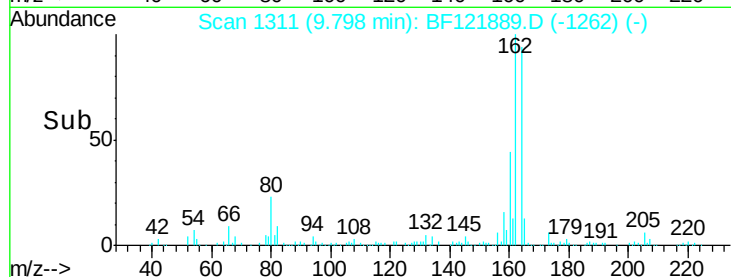
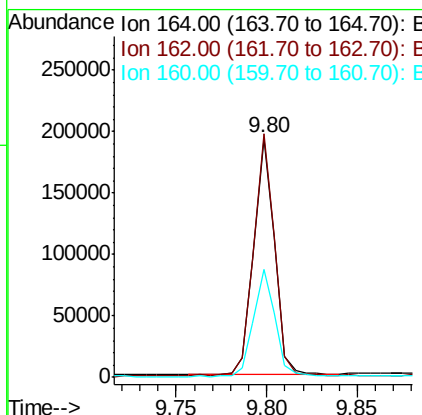
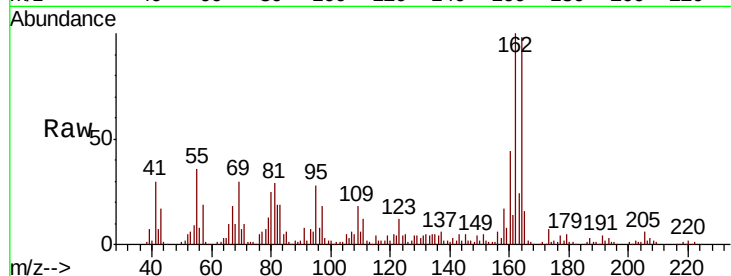




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF121889.D
 Acq: 8 Oct 2020 15:11

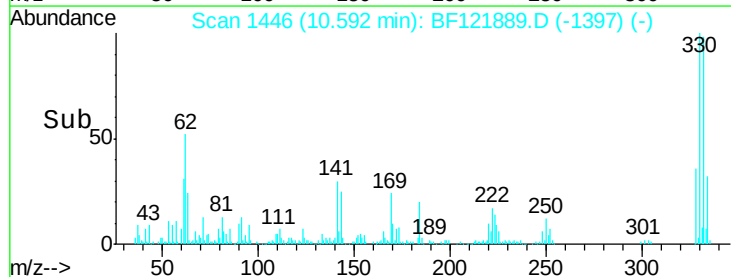
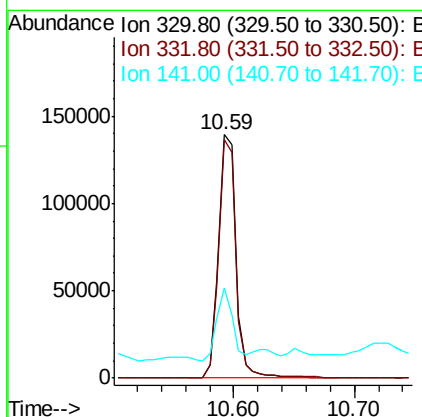
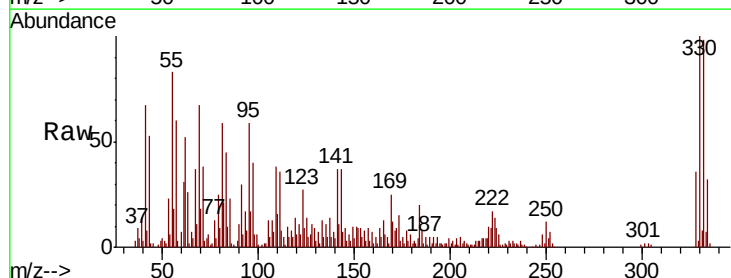
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 BNA_F
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 231-232-COMP

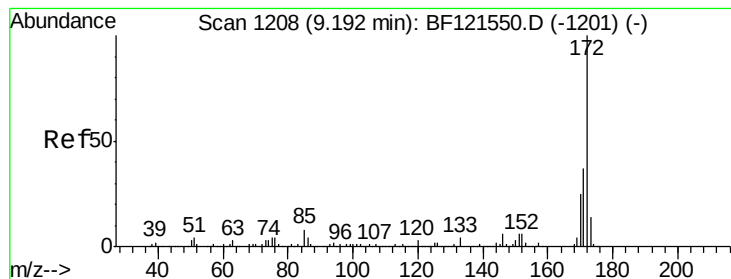
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	83.2	124.8
160	45.2	37.5	56.3



#42
 2,4,6-Tribromophenol
 Concen: 73.185 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121889.D
 Acq: 8 Oct 2020 15:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.3	115.9
141	26.6	22.3	33.5





#45

2-Fluorobiphenyl

Concen: 65.713 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

Instrument :

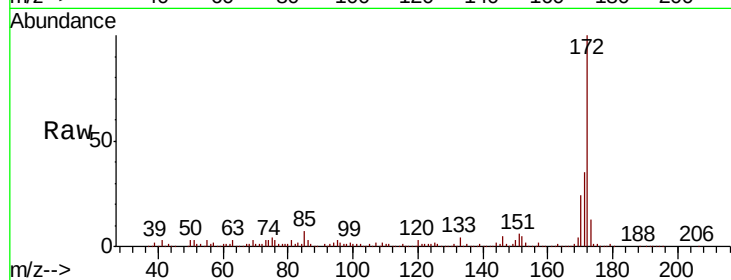
BNA_F

ClientSampleId :

231-232-COMP

Tot Ion:172 Resp: 664737

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.1	43.7
170	23.6	19.8	29.6

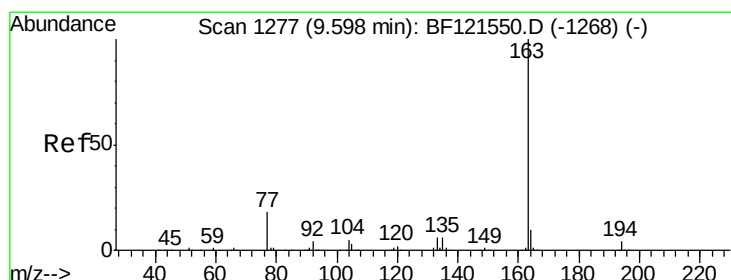
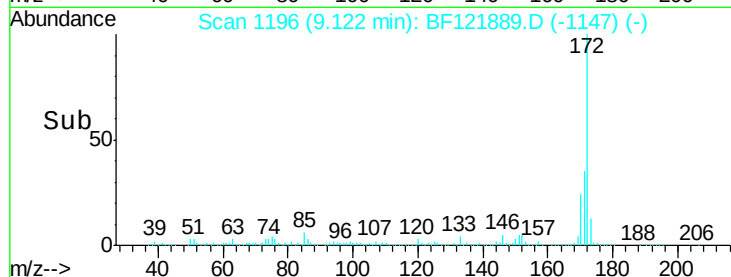
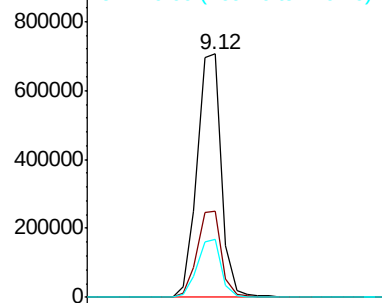


Abundance

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



#50

Dimethylphthalate

Concen: 7.504 ng

RT: 9.52 min Scan# 1263

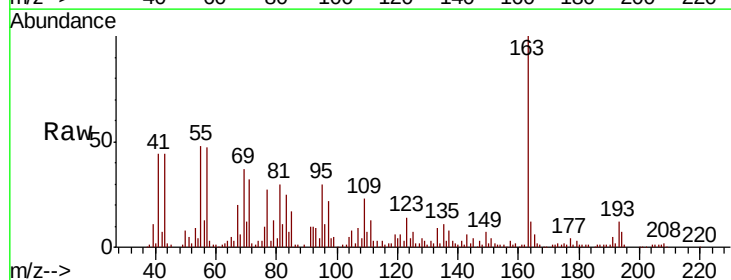
Delta R.T. -0.02 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

Tgt Ion:163 Resp: 83323

Ion	Ratio	Lower	Upper
163	100		
194	6.6	3.3	4.9#
164	11.8	8.2	12.4

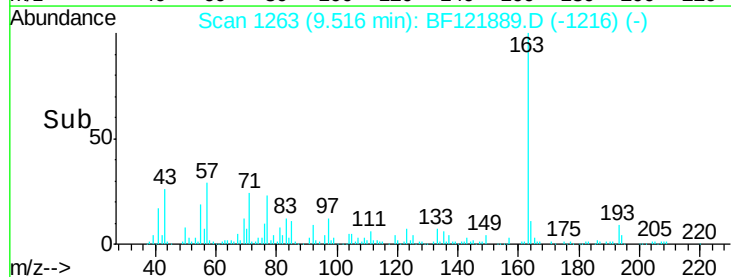
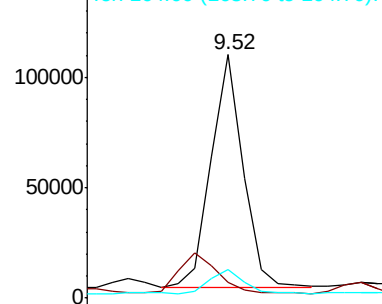


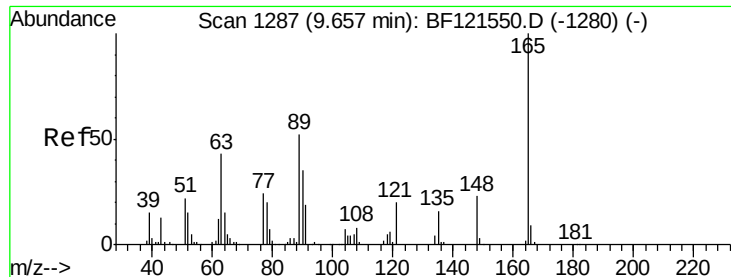
Abundance

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: 2.458 ng

RT: 9.60 min Scan# 1277

Delta R.T. 0.00 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

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ClientSampleId :

231-232-COMP

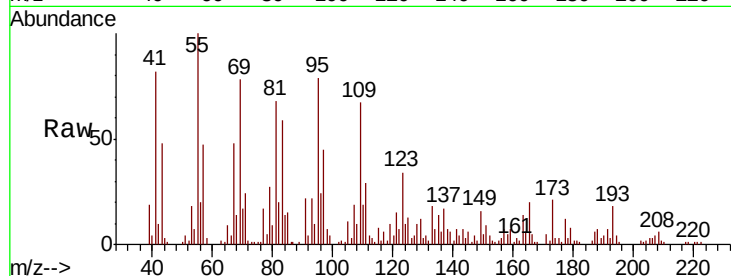
Tot Ion:165 Resp: 5812

Ion Ratio Lower Upper

165 100

63 8.3 51.8 77.6#

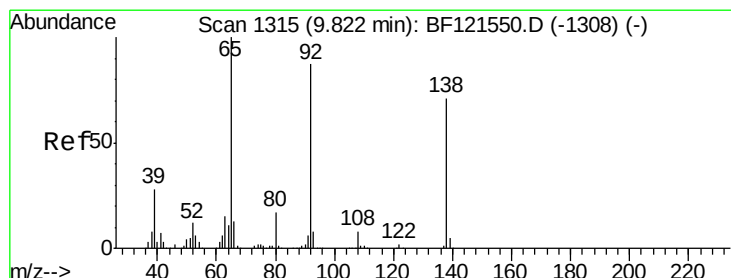
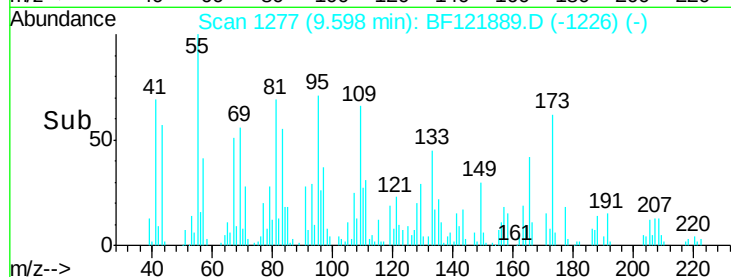
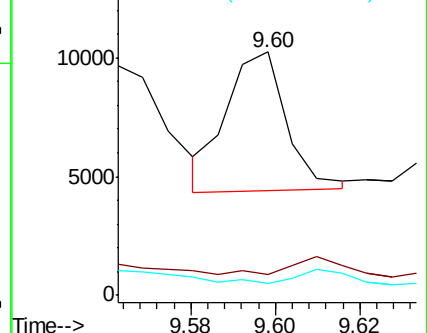
89 4.8 49.0 73.6#



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



#53

3-Nitroaniline

Concen: 3.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

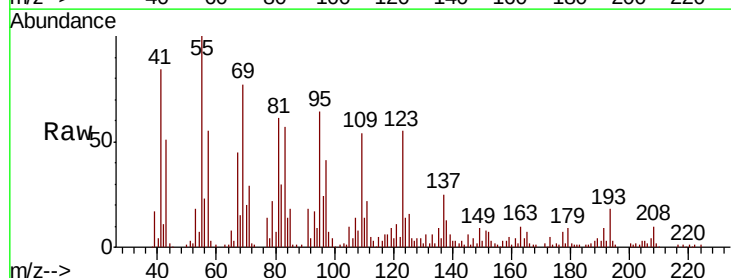
Tgt Ion:138 Resp: 8219

Ion Ratio Lower Upper

138 100

108 60.4 8.6 13.0#

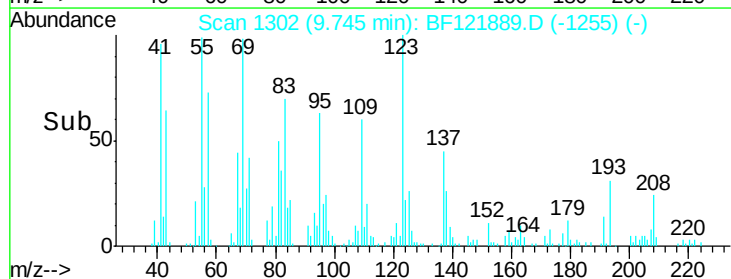
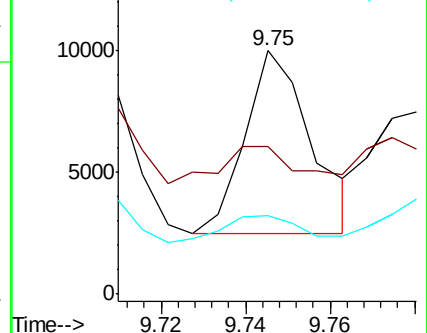
92 32.1 96.6 144.8#

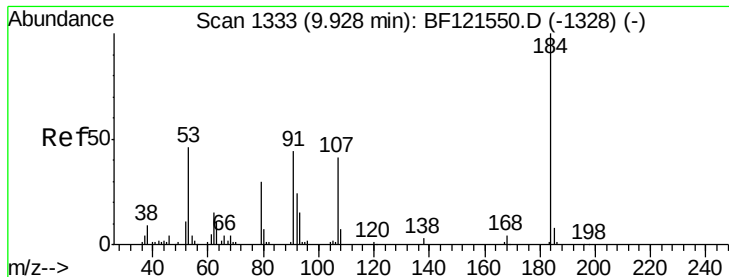


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

2,4-Dinitrophenol

Concen: 11.759 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.20 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

Instrument :

BNA_F

ClientSampleId :

231-232-COMP

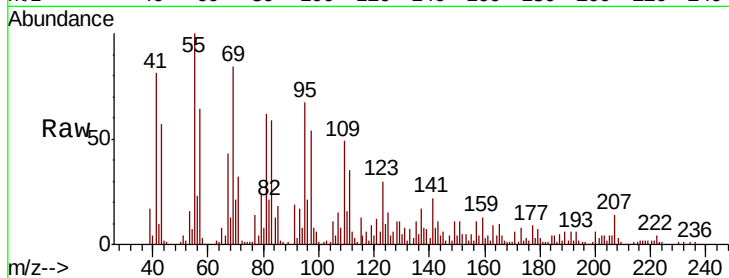
Tot Ion:184 Resp: 4170

Ion Ratio Lower Upper

184 100

63 46.5 45.9 68.9

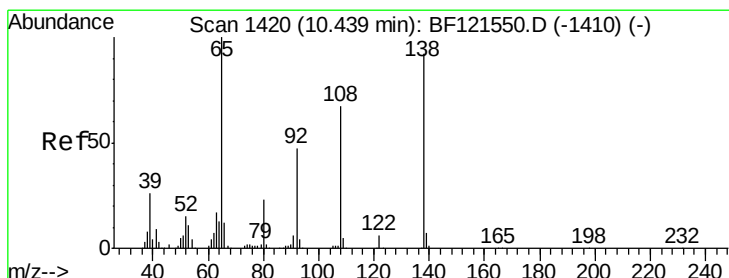
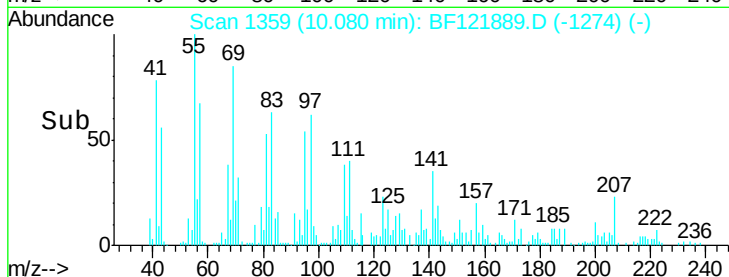
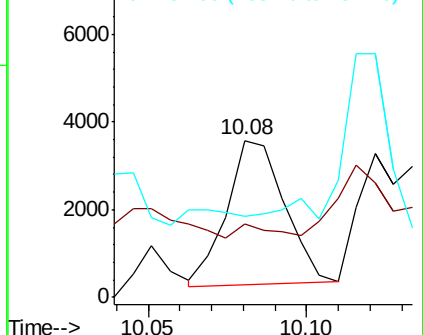
154 51.8 45.8 68.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#62

4-Nitroaniline

Concen: 5.699 ng

RT: 10.26 min Scan# 1389

Delta R.T. -0.13 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

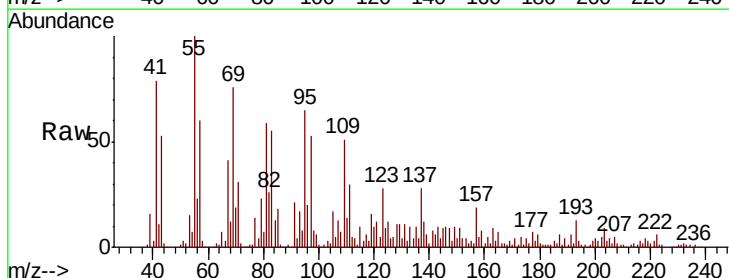
Tgt Ion:138 Resp: 15501

Ion Ratio Lower Upper

138 100

92 34.2 31.0 71.0

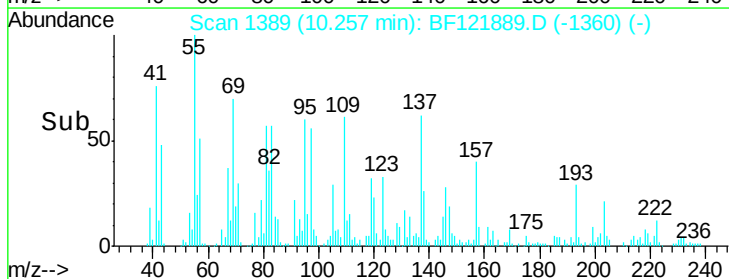
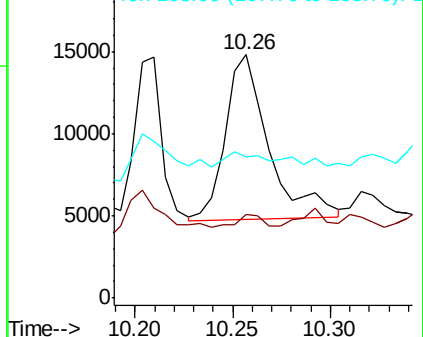
108 57.8 51.5 91.5

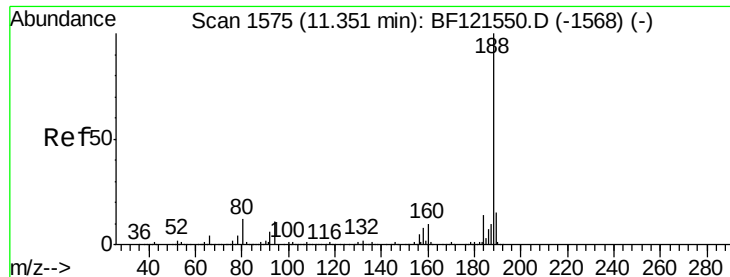


Abundance Ion 138.00 (137.70 to 138.70): E

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: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

Instrument :

BNA_F

ClientSampleId :

231-232-COMP

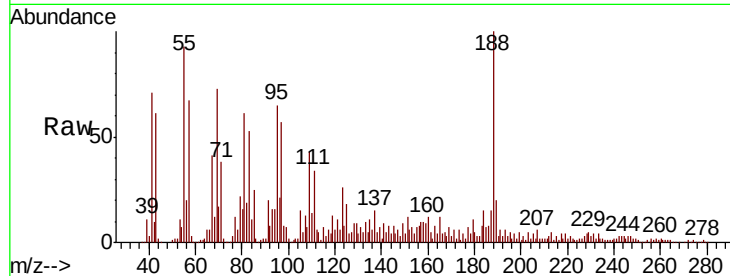
Tot Ion:188 Resp: 204374

Ion Ratio Lower Upper

188 100

94 16.4 8.3 12.5#

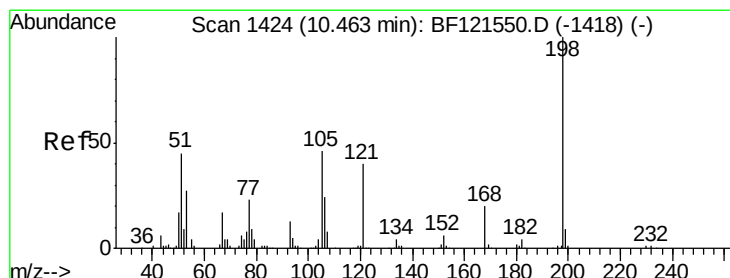
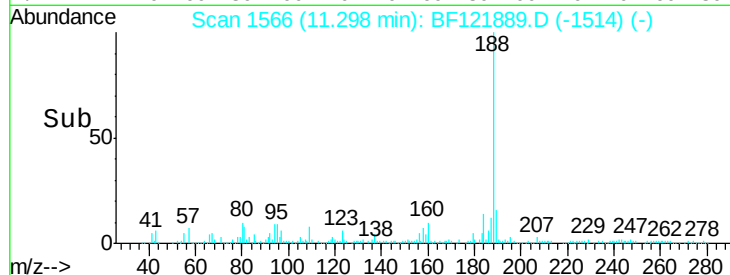
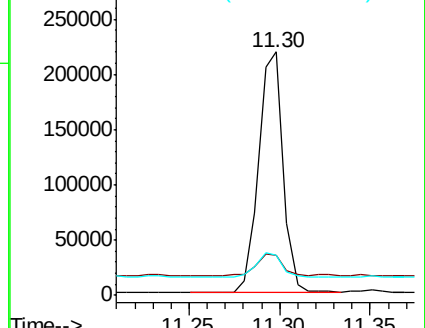
80 16.4 9.1 13.7#



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: 8.091 ng

RT: 10.42 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

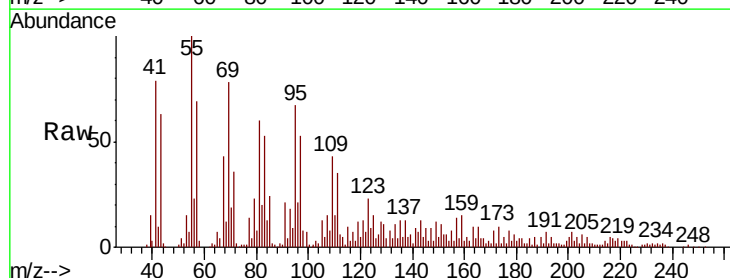
Tgt Ion:198 Resp: 1813

Ion Ratio Lower Upper

198 100

51 290.0 29.6 69.6#

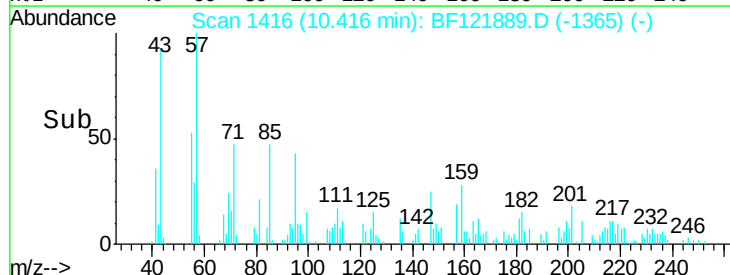
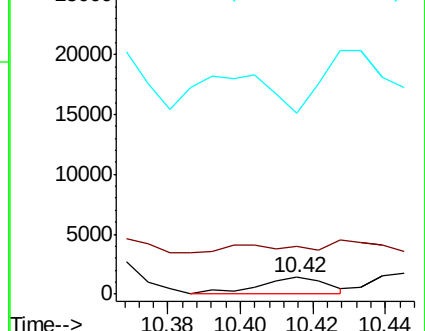
105 1102.0 24.4 64.4#

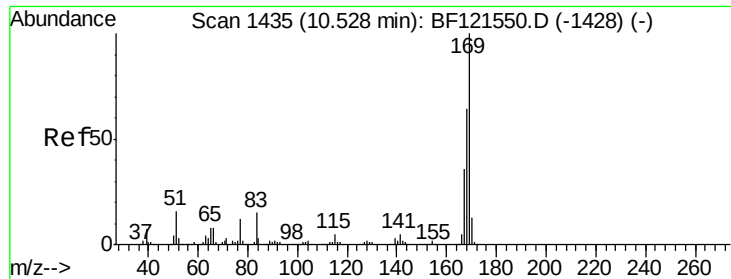


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

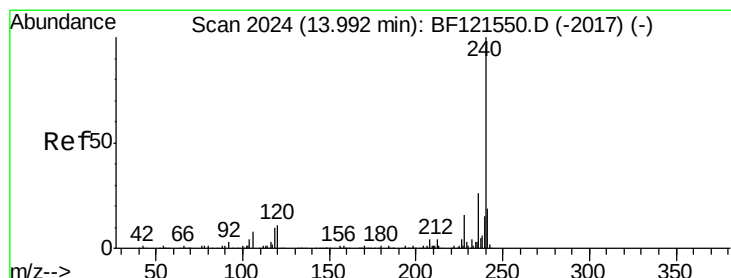
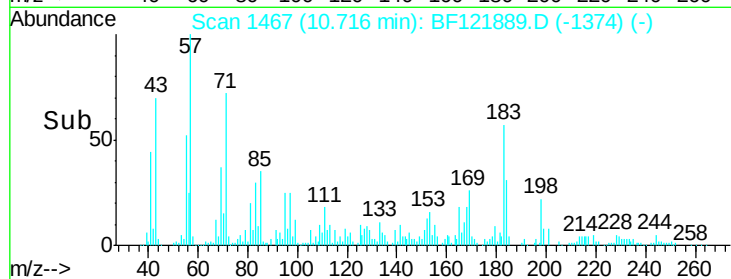
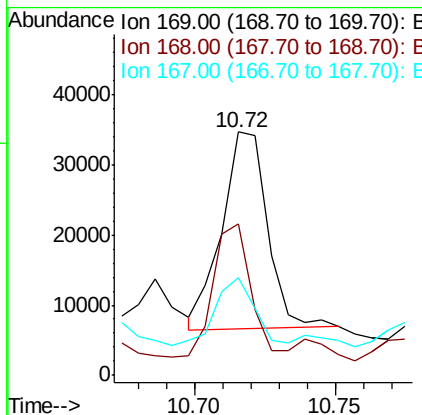
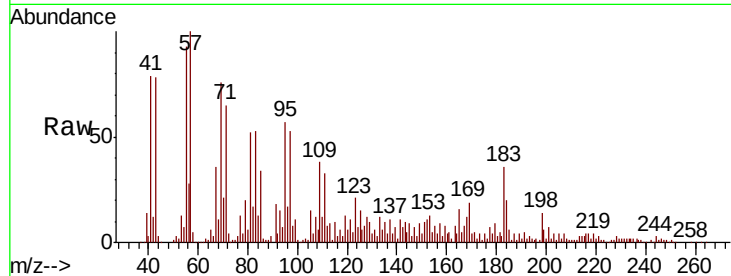




#66
n-Nitrosodiphenylamine
Concen: 4.502 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.25 min
Lab File: BF121889.D
Acq: 8 Oct 2020 15:11

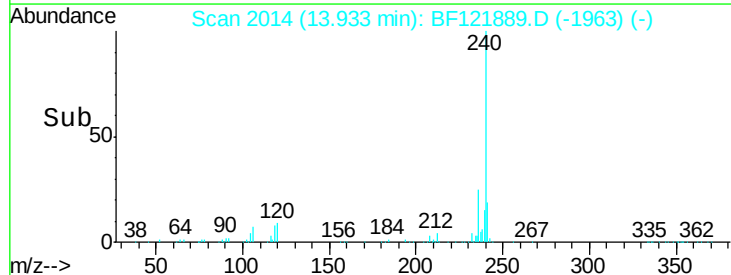
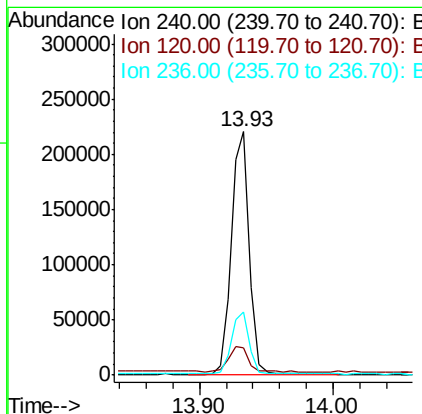
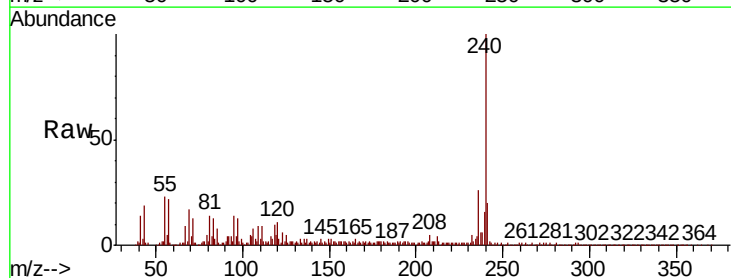
Instrument :
BNA_F
ClientSampleId :
231-232-COMP

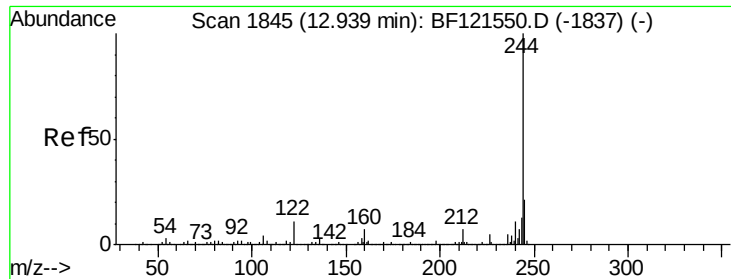
Tot Ion	Ratio	Lower	Upper
169	100		
168	62.4	50.0	75.0
167	40.2	27.8	41.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BF121889.D
Acq: 8 Oct 2020 15:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.2	13.8
236	26.0	20.9	31.3





#79

Terphenyl-d14

Concen: 41.036 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

Instrument :

BNA_F

ClientSampleId :

231-232-COMP

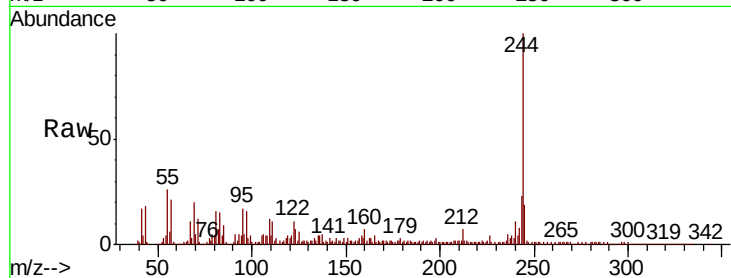
Tot Ion:244 Resp: 417956

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

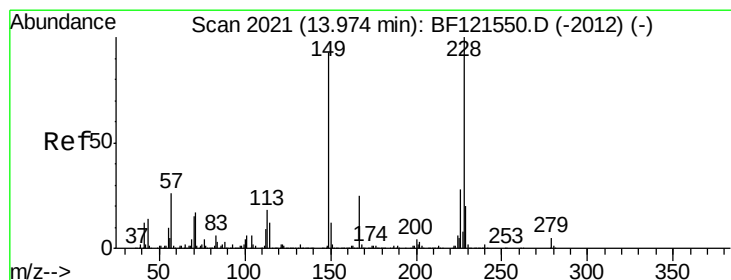
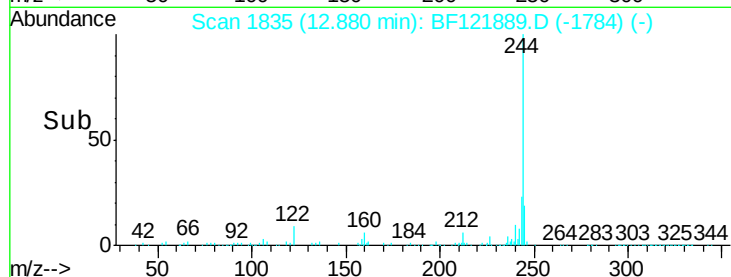
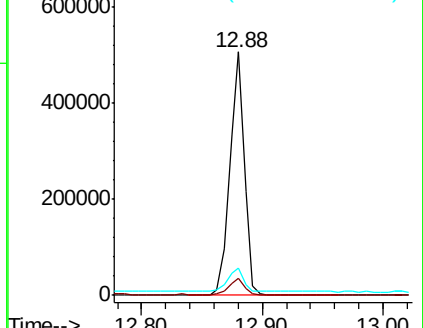
122 11.2 8.1 12.1



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 12.725 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF121889.D

Acq: 8 Oct 2020 15:11

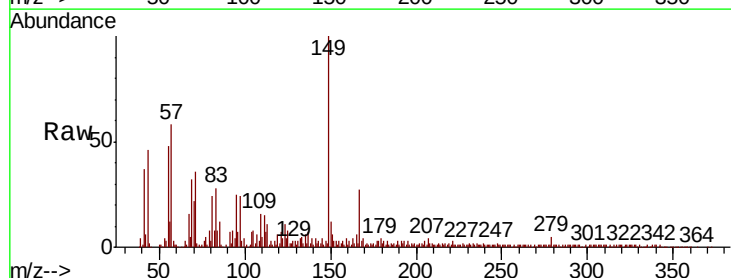
Tgt Ion:149 Resp: 103651

Ion Ratio Lower Upper

149 100

167 26.9 20.9 31.3

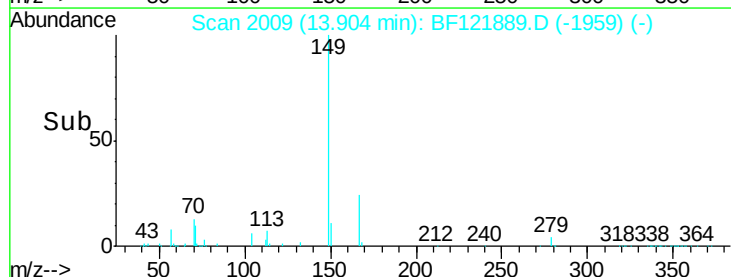
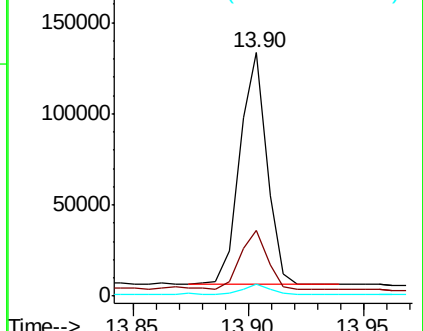
279 5.0 3.2 4.8#

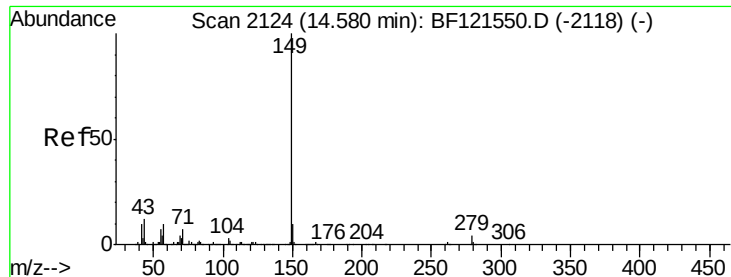


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

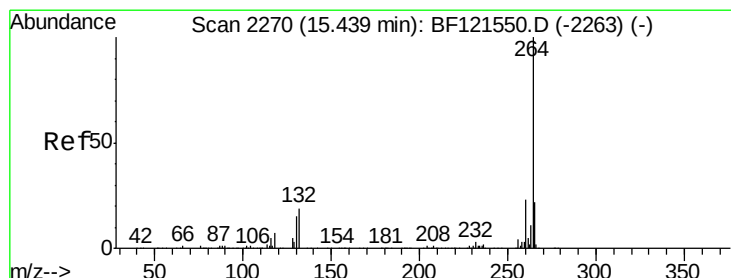
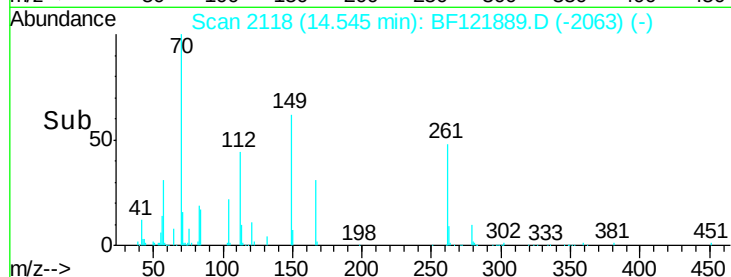
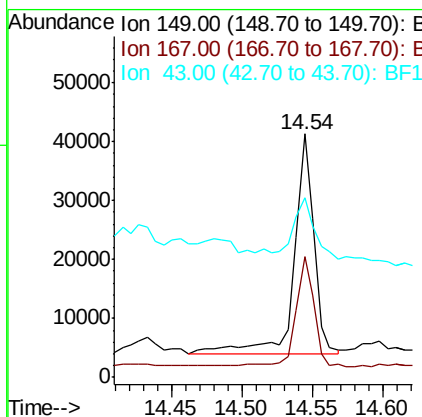
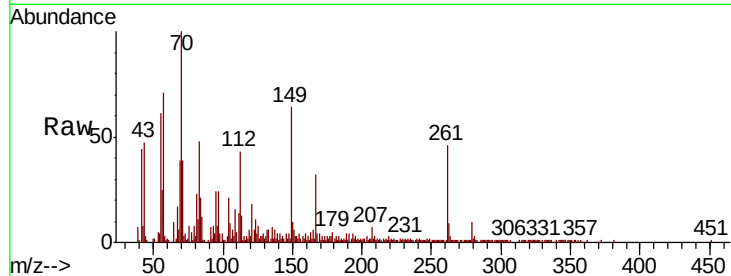




#85
Di-n-octyl phthalate
Concen: 2.566 ng
RT: 14.54 min Scan# 2118
Delta R.T. 0.02 min
Lab File: BF121889.D
Acq: 8 Oct 2020 15:11

Instrument :
BNA_F
ClientSampleId :
231-232-COMP

Tot Ion:149 Resp: 36885
Ion Ratio Lower Upper
149 100
167 45.5 1.2 1.8#
43 68.0 9.0 13.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF121889.D
Acq: 8 Oct 2020 15:11

Tgt Ion:264 Resp: 247365
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 20.8 17.3 25.9

