

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121100.D
 Acq On : 29 Jul 2020 14:07
 Operator : JU/CG
 Sample : PB130537BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB130537BL

Quant Time: Jul 29 15:04:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

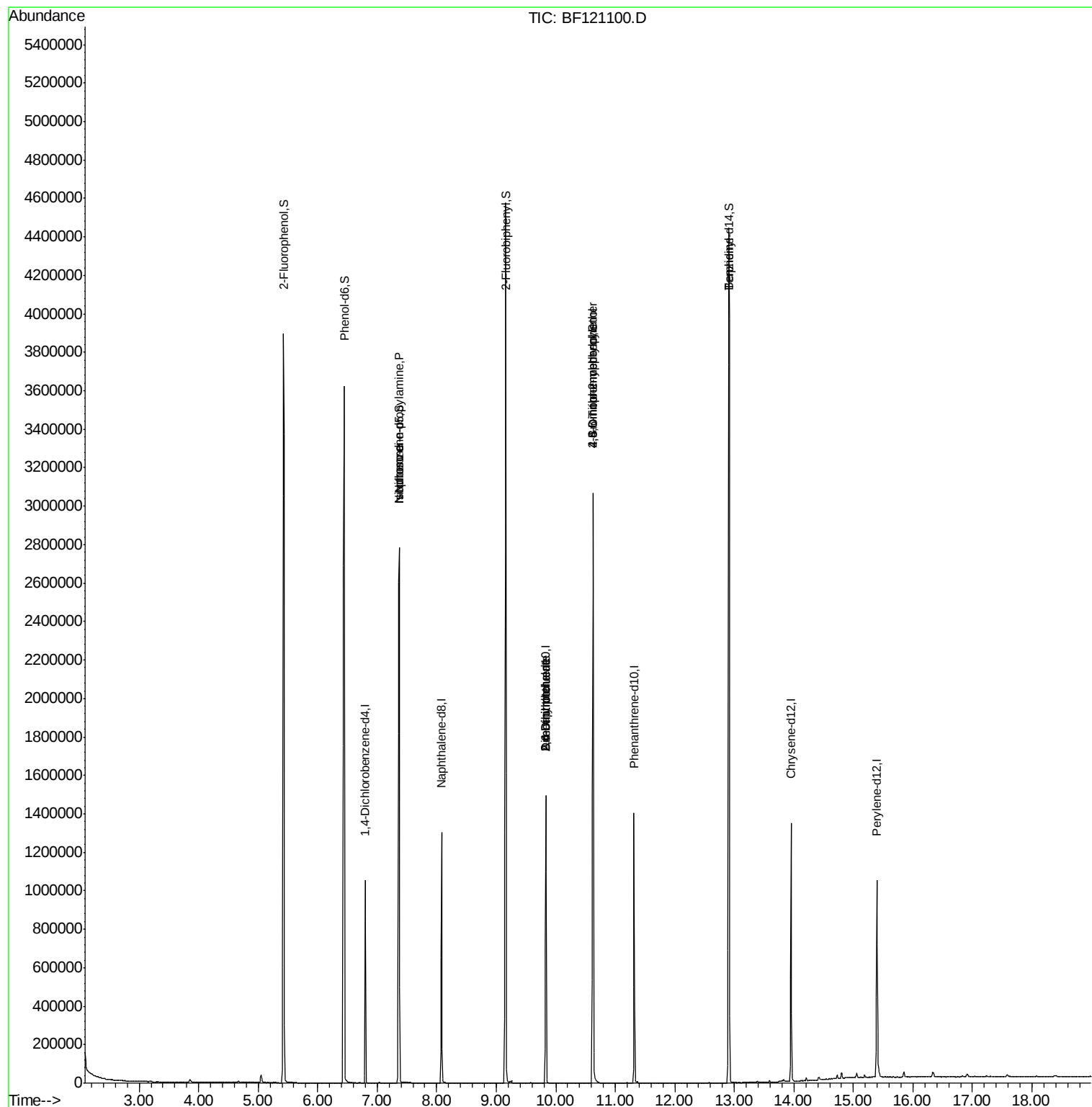
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	154962	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	596661	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	302769	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	585299	20.00	ng	0.00
76) Chrysene-d12	13.95	240	482622	20.00	ng	-0.01
86) Perylene-d12	15.40	264	456841	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1407092	148.86	ng	0.01
7) Phenol-d6	6.45	99	1701955	139.39	ng	0.00
23) Nitrobenzene-d5	7.37	82	1105662	107.23	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	498279	150.35	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1817187	89.61	ng	0.00
79) Terphenyl-d14	12.91	244	1873281	84.37	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	2351	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	145465	20.951 ng	#	1
25) Isophorone	7.37	82	1095894	53.251 ng	#	77
50) Dimethylphthalate	9.83	163	62441	2.859 ng	#	62
51) 2,6-Dinitrotoluene	9.83	165	38706	8.248 ng	#	1
57) 2,4-Dinitrotoluene	9.83	165	38706	6.281 ng	#	27
65) 4,6-Dinitro-2-methylphenol	10.63	198	938	4.097 ng	#	29
67) 4-Bromophenyl-phenylether	10.63	248	28383	4.349 ng	#	1
77) Benzidine	12.91	184	25778	2.032 ng		94

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

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QLast Update : Wed Jul 29 14:55:43 2020
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF121100.D

Acq: 29 Jul 2020 14:07

Instrument :

BNA_F

ClientSampleId :

PB130537BL

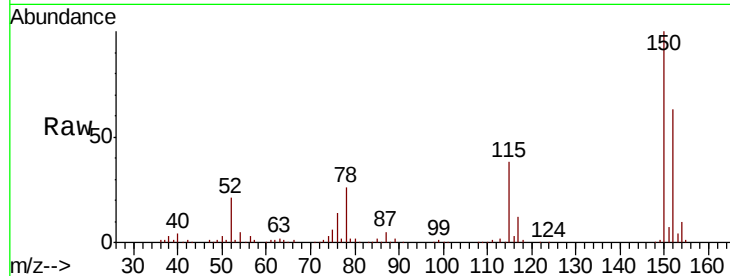
Tot Ion:152 Resp: 154962

Ion Ratio Lower Upper

152 100

150 157.5 125.6 188.4

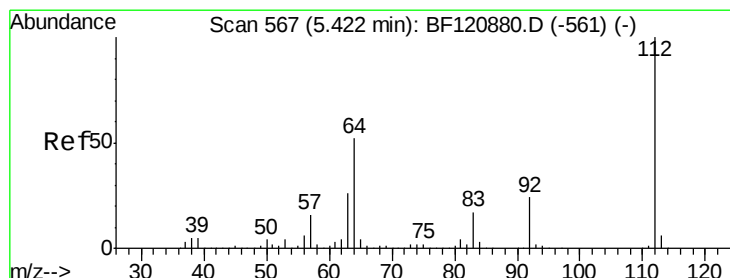
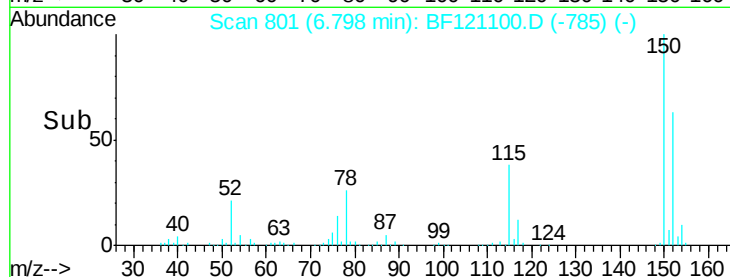
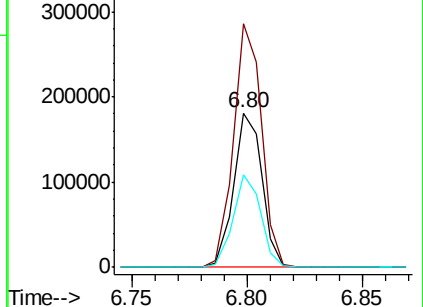
115 60.2 46.2 69.2



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: 148.857 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF121100.D

Acq: 29 Jul 2020 14:07

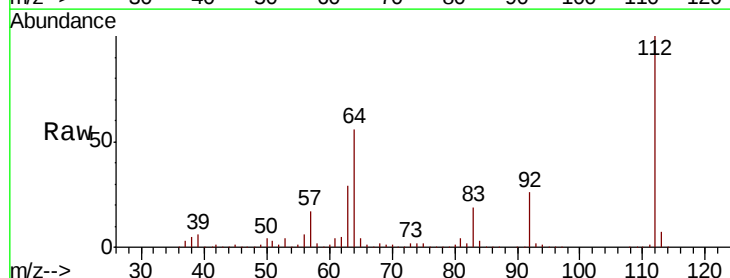
Tgt Ion:112 Resp: 1407092

Ion Ratio Lower Upper

112 100

64 55.5 43.9 65.9

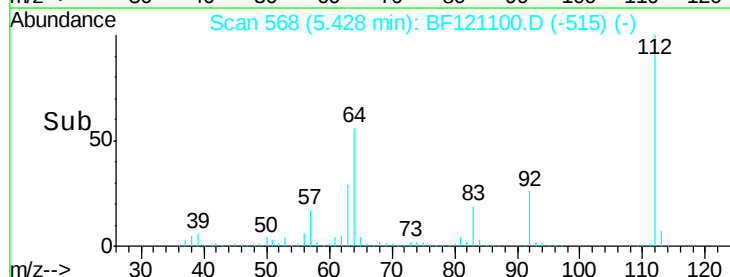
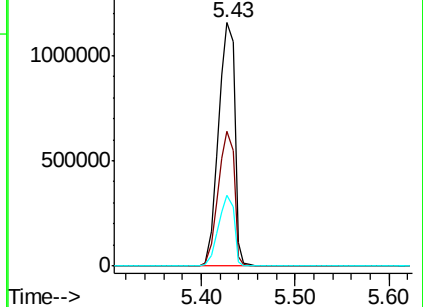
63 29.1 22.7 34.1

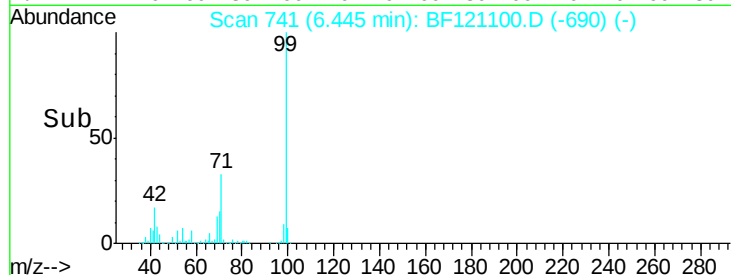
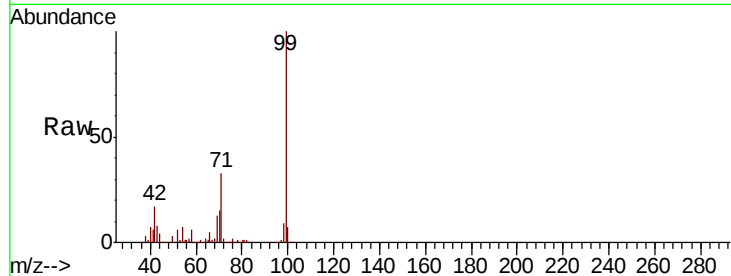


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 139.386 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF121100.D

Acq: 29 Jul 2020 14:07

Instrument :

BNA_F

ClientSampleId :

PB130537BL

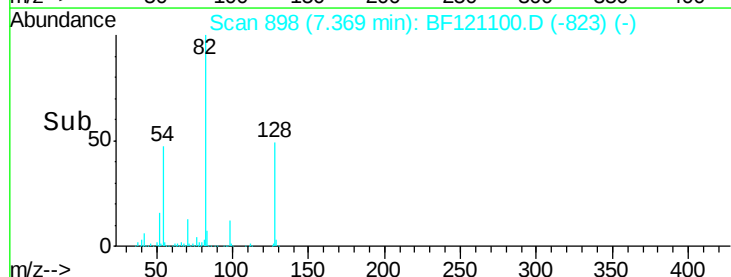
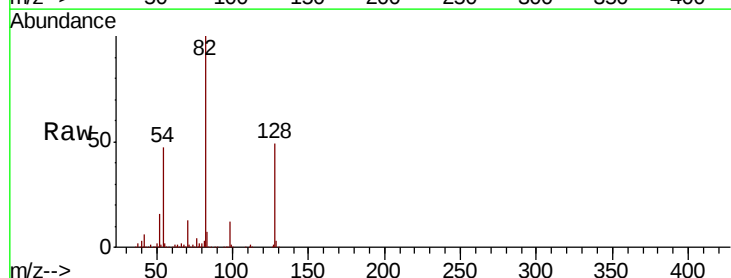
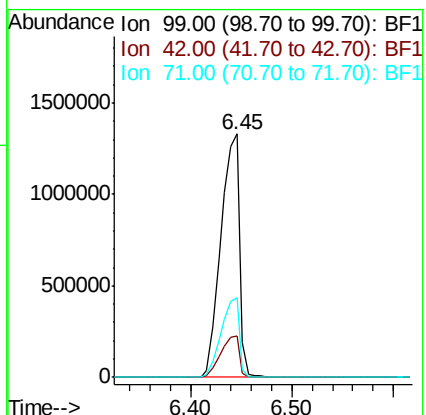
Tot Ion: 99 Resp: 1701955

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

71 32.5 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 20.951 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF121100.D

Acq: 29 Jul 2020 14:07

Tgt Ion: 70 Resp: 145465

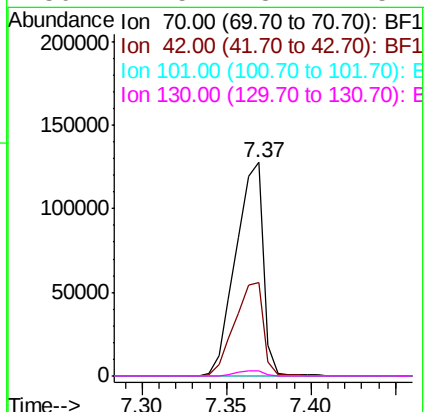
Ion Ratio Lower Upper

70 100

42 43.9 43.3 64.9

101 0.0 8.4 12.6#

130 2.5 18.7 28.1#

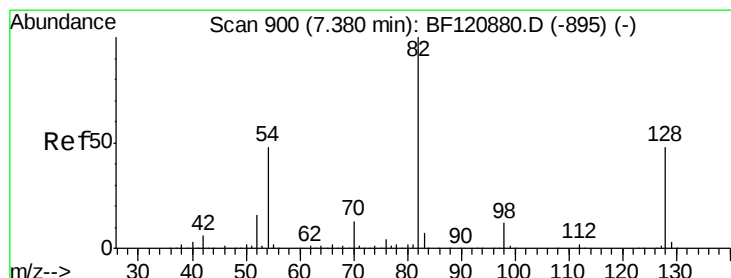
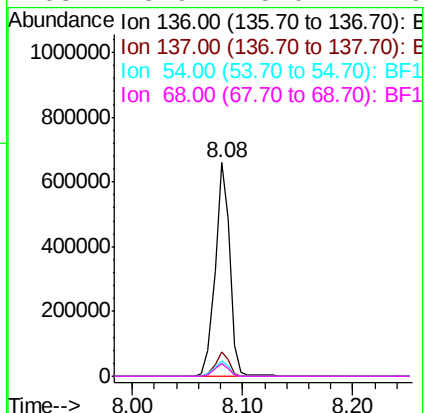
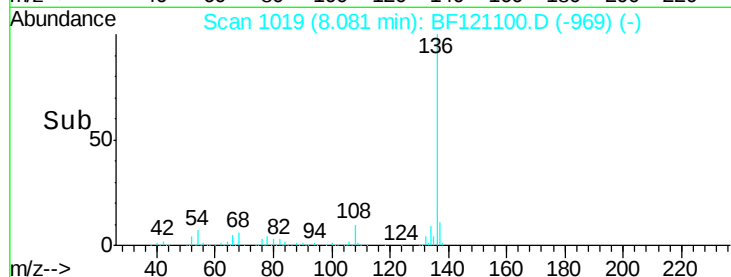
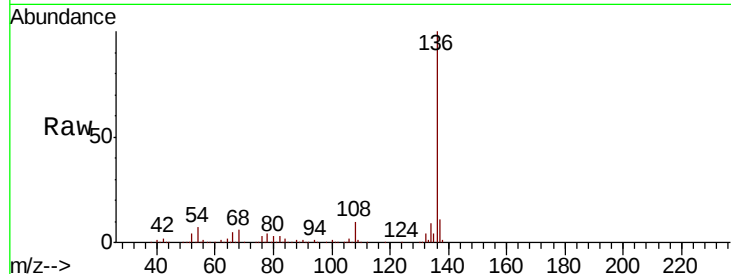




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF121100.D
Acq: 29 Jul 2020 14:07

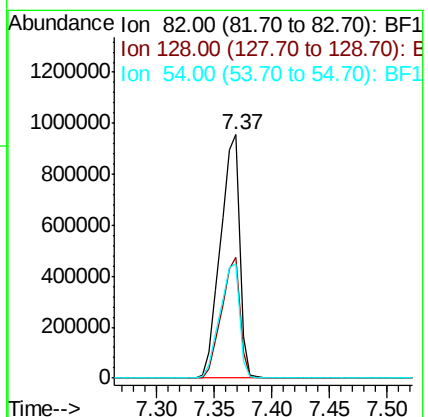
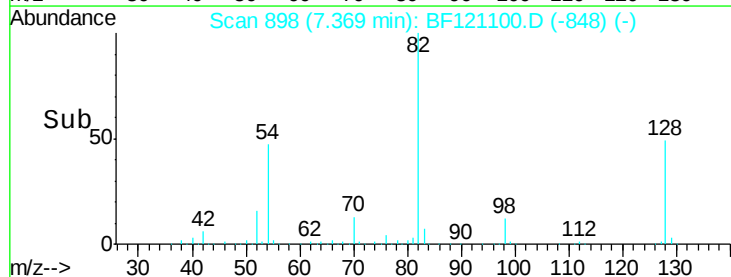
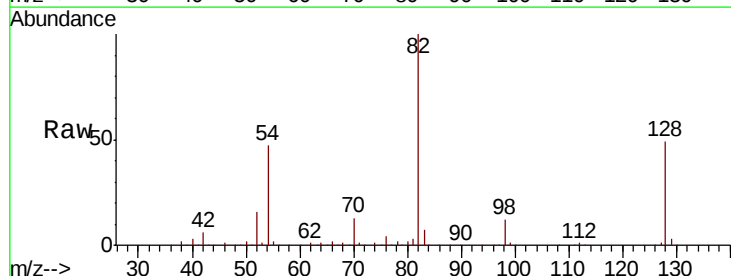
Instrument :
BNA_F
ClientSampleId :
PB130537BL

Tot Ion:136	Resp:	596661
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.0 13.4
54	7.5	6.1 9.1
68	5.9	5.0 7.6



#23
Nitrobenzene-d5
Concen: 107.225 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF121100.D
Acq: 29 Jul 2020 14:07

Tgt Ion: 82	Resp:	1105662
Ion	Ratio	Lower Upper
82	100	
128	49.5	39.2 58.8
54	46.8	37.8 56.8





#25

Isophorone

Concen: 53.251 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF121100.D

Acq: 29 Jul 2020 14:07

Instrument :

BNA_F

ClientSampleId :

PB130537BL

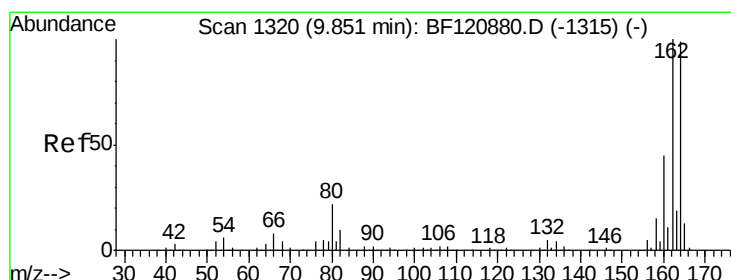
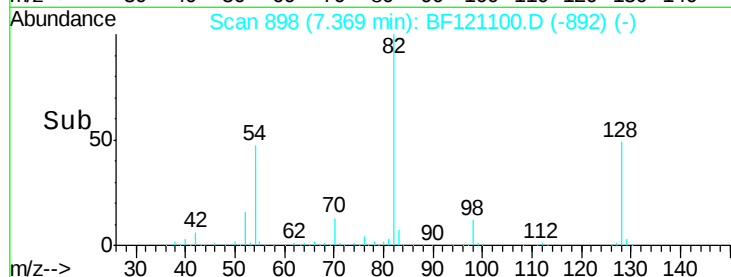
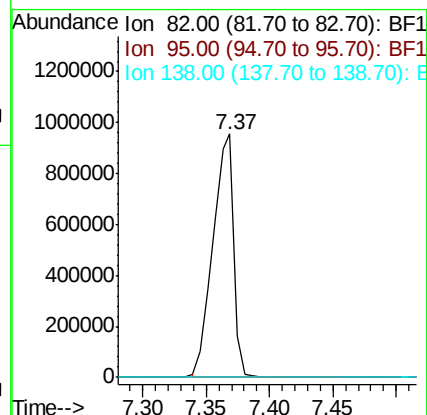
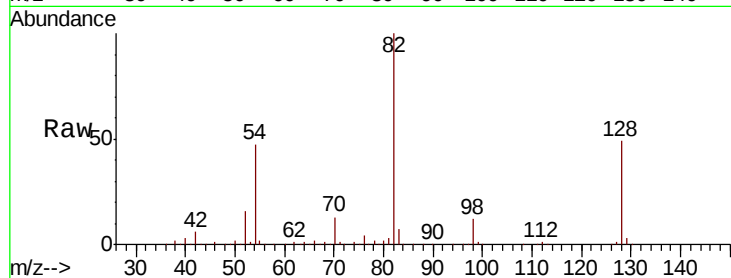
Tot Ion: 82 Resp: 1095894

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 16.2 24.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121100.D

Acq: 29 Jul 2020 14:07

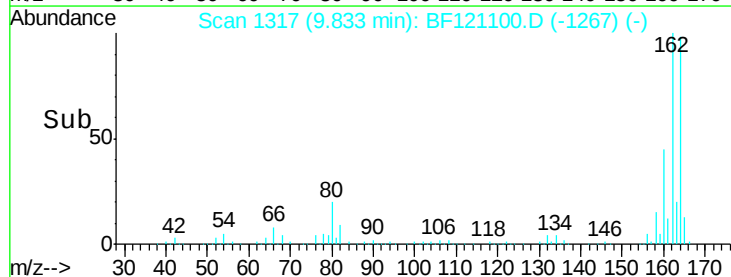
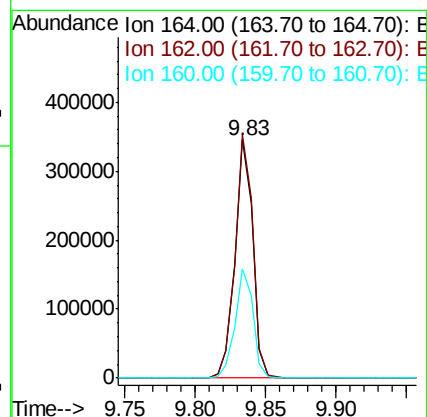
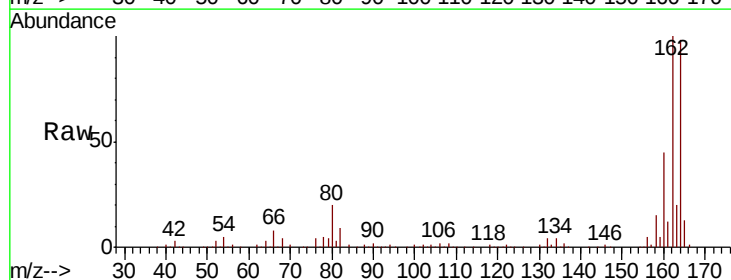
Tgt Ion: 164 Resp: 302769

Ion Ratio Lower Upper

164 100

162 102.2 82.2 123.2

160 45.9 37.2 55.8

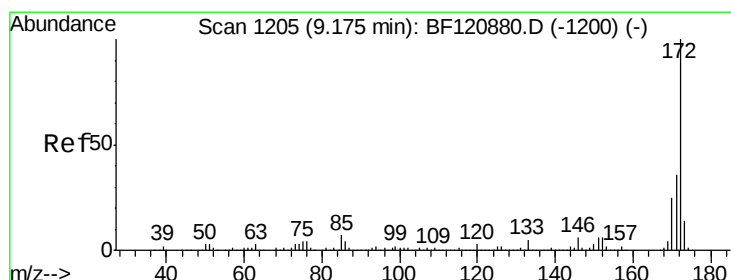
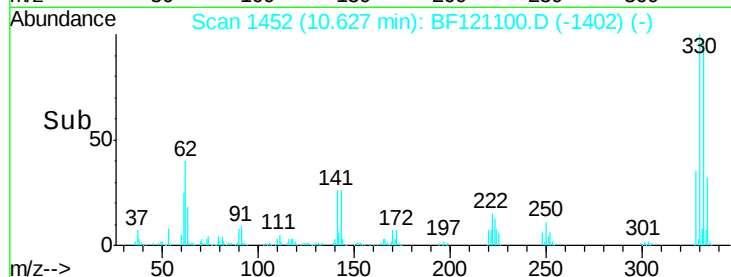
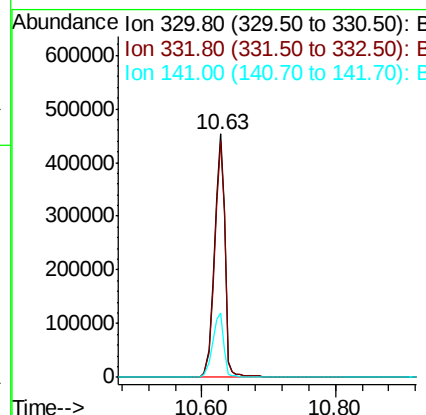
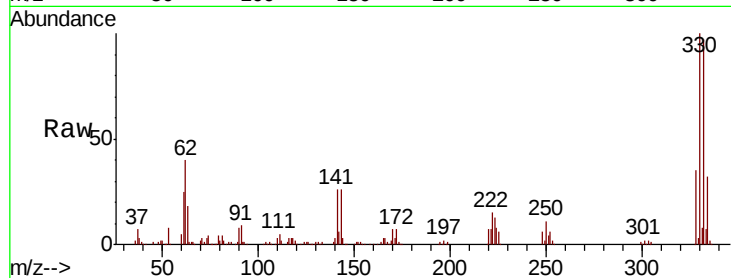




#42
 2,4,6-Tribromophenol
 Concen: 150.351 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121100.D
 Acq: 29 Jul 2020 14:07

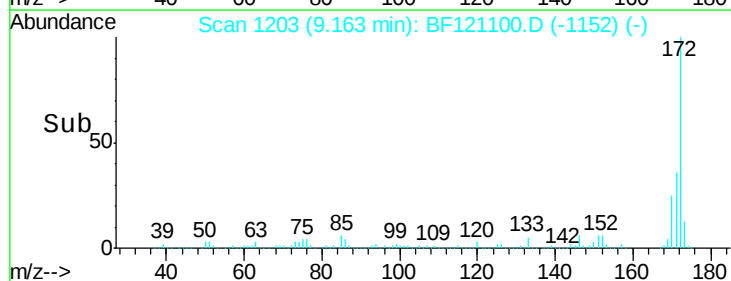
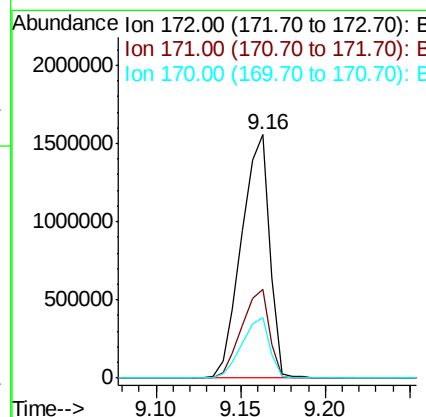
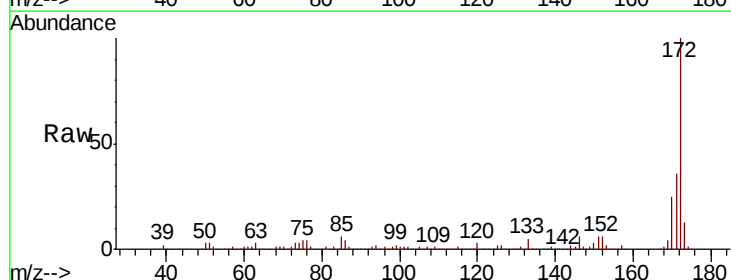
Instrument :
 BNA_F
 ClientSampleId :
 PB130537BL

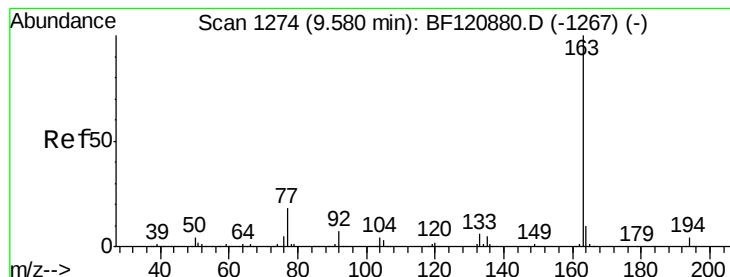
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.1	114.1
141	28.2	24.1	36.1



#45
 2-Fluorobiphenyl
 Concen: 89.611 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF121100.D
 Acq: 29 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.8	19.6	29.4





#50

Dimethylphthalate

Concen: 2.859 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.26 min

Lab File: BF121100.D

Acq: 29 Jul 2020 14:07

Instrument :

BNA_F

ClientSampleId :

PB130537BL

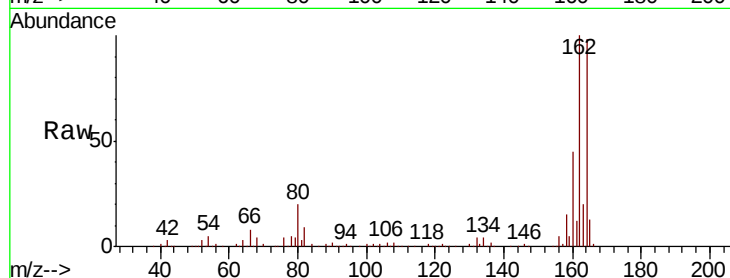
Tot Ion:163 Resp: 62441

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

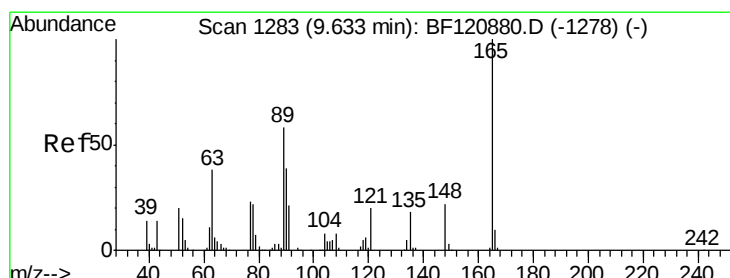
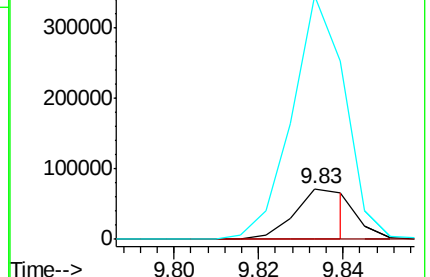
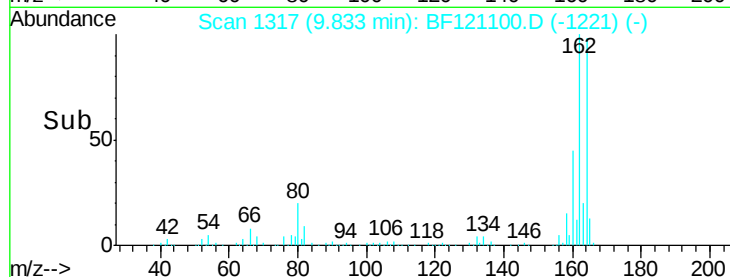
164 481.2 8.4 12.6#



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: 8.248 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF121100.D

Acq: 29 Jul 2020 14:07

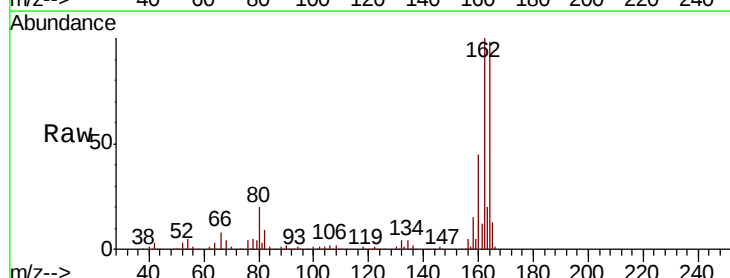
Tgt Ion:165 Resp: 38706

Ion Ratio Lower Upper

165 100

63 0.9 41.1 61.7#

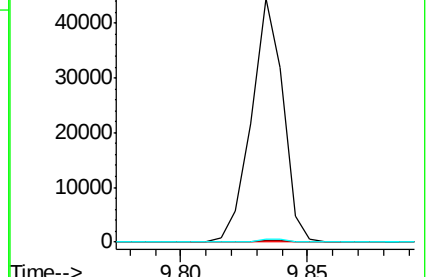
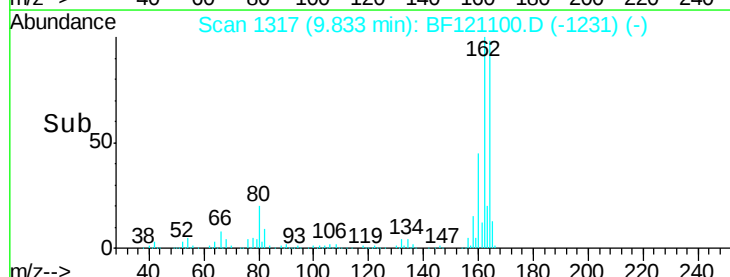
89 1.2 43.5 65.3#

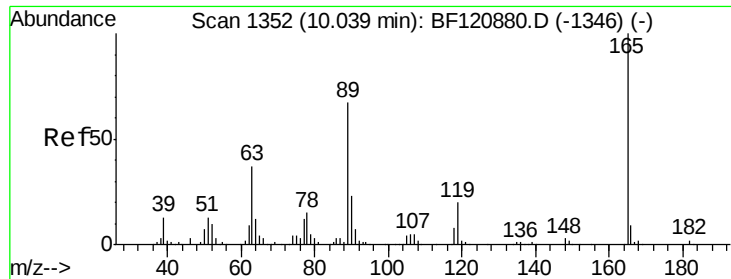


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

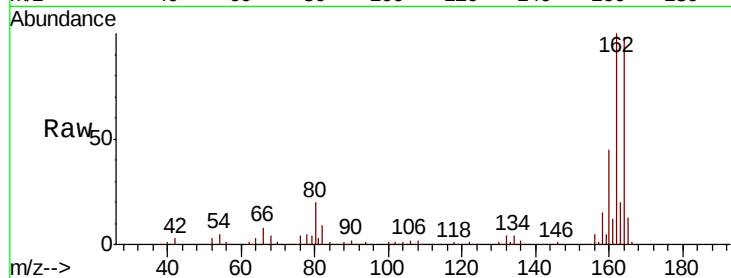




#57
 2,4-Dinitrotoluene
 Concen: 6.281 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.20 min
 Lab File: BF121100.D
 Acq: 29 Jul 2020 14:07

Instrument :
 BNA_F
 ClientSampleId :
 PB130537BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.8	44.8#
89	1.2	50.3	75.5#
182	0.0	2.1	3.1#

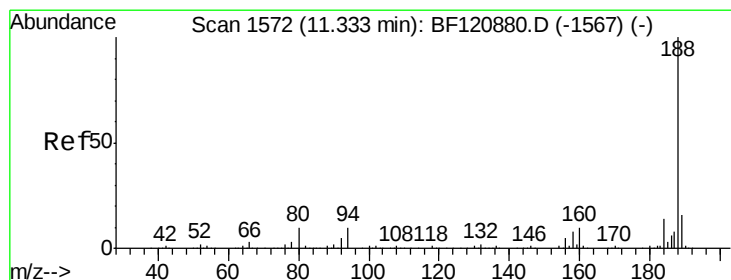
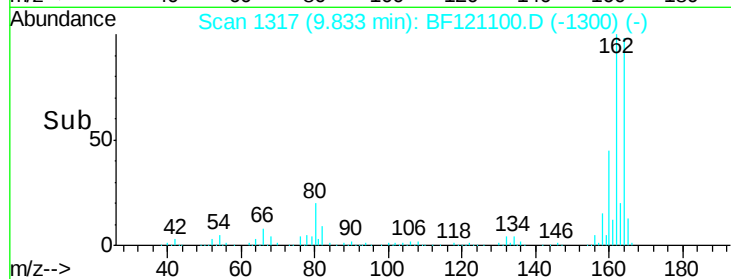
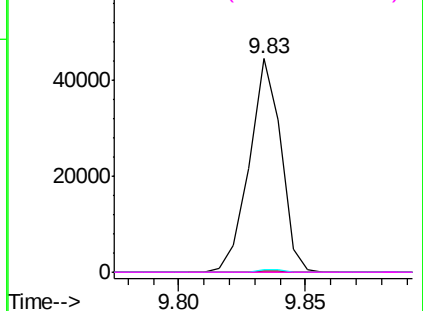


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

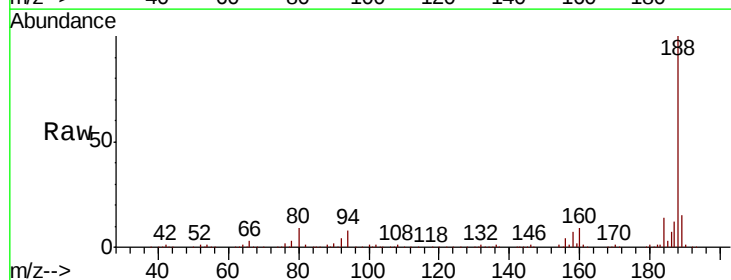
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF121100.D
 Acq: 29 Jul 2020 14:07

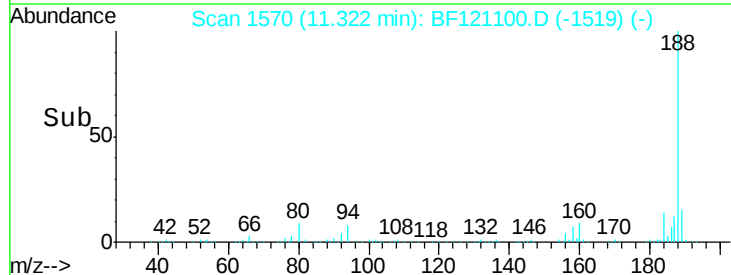
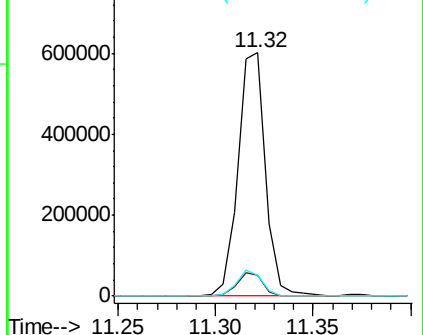
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.0	12.0
80	8.6	8.3	12.5

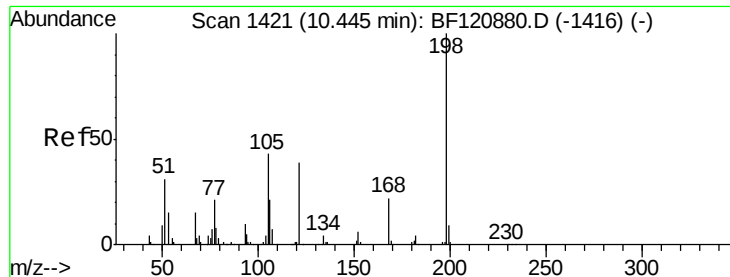


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

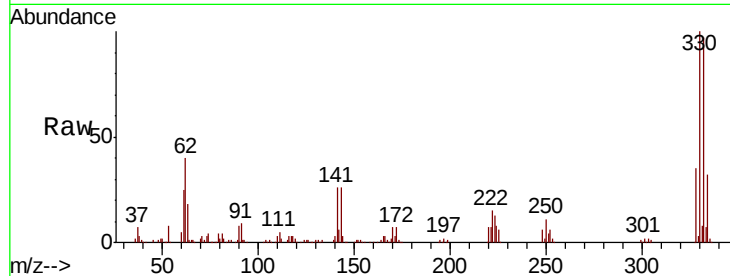




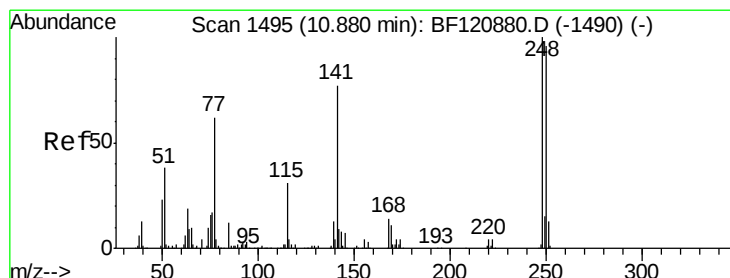
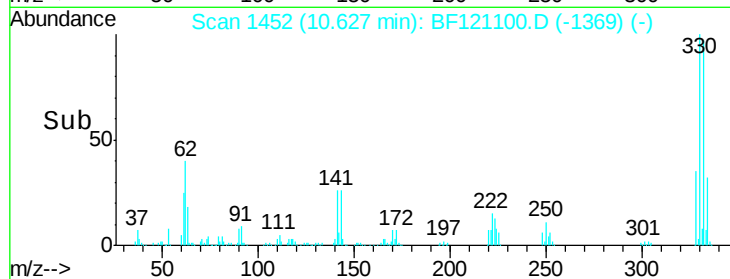
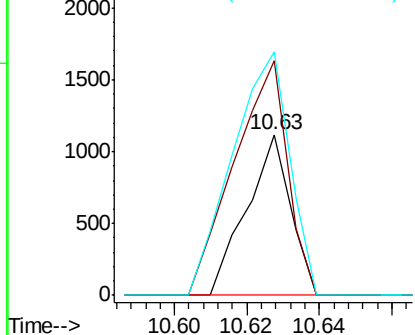
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.097 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.19 min
 Lab File: BF121100.D
 Acq: 29 Jul 2020 14:07

Instrument :
 BNA_F
 ClientSampleId :
 PB130537BL

Tot Ion	Ratio	Lower	Upper
198	100		
51	145.7	23.4	63.4#
105	151.3	23.7	63.7#

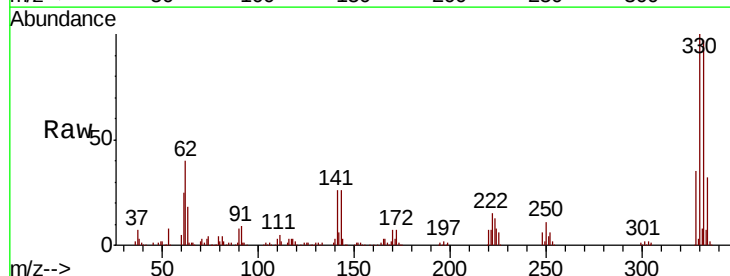


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

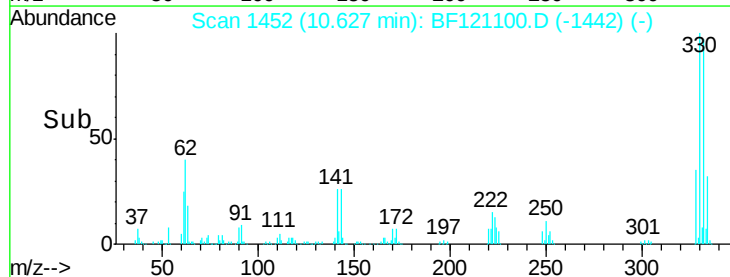
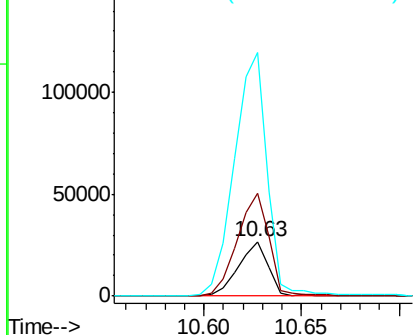


#67
 4-Bromophenyl-phenylether
 Concen: 4.349 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF121100.D
 Acq: 29 Jul 2020 14:07

Tgt Ion	Ratio	Lower	Upper
248	100		
250	189.0	77.0	115.6#
141	446.5	56.6	85.0#



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: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF121100.D

Acq: 29 Jul 2020 14:07

Instrument :

BNA_F

ClientSampleId :

PB130537BL

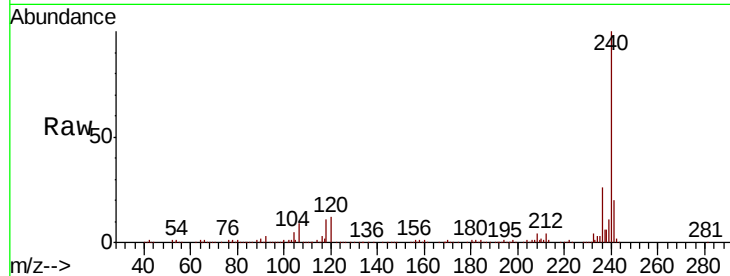
Tot Ion:240 Resp: 482622

Ion Ratio Lower Upper

240 100

120 12.5 9.3 13.9

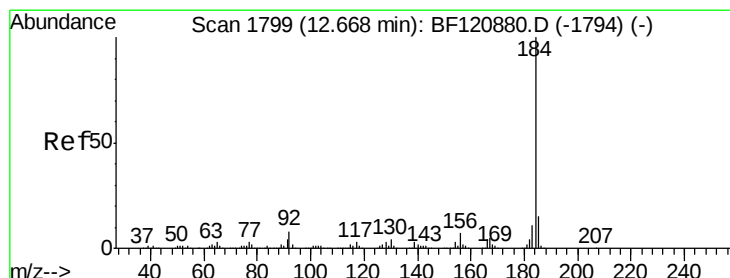
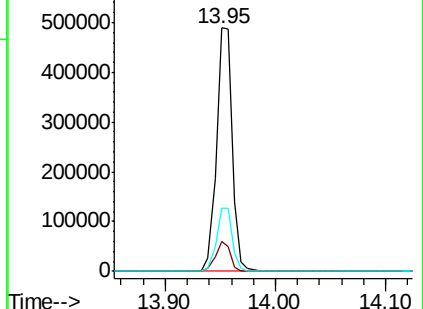
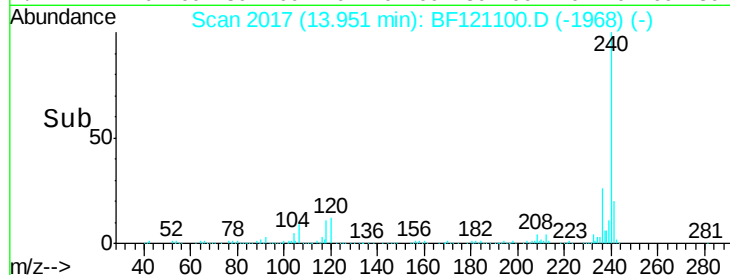
236 26.2 21.1 31.7



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



#77

Benzidine

Concen: 2.032 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.25 min

Lab File: BF121100.D

Acq: 29 Jul 2020 14:07

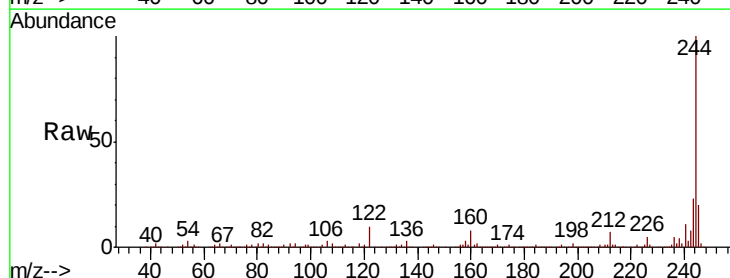
Tgt Ion:184 Resp: 25778

Ion Ratio Lower Upper

184 100

185 17.9 12.1 18.1

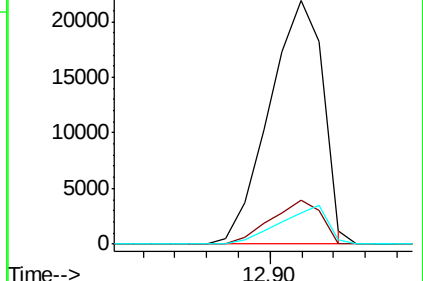
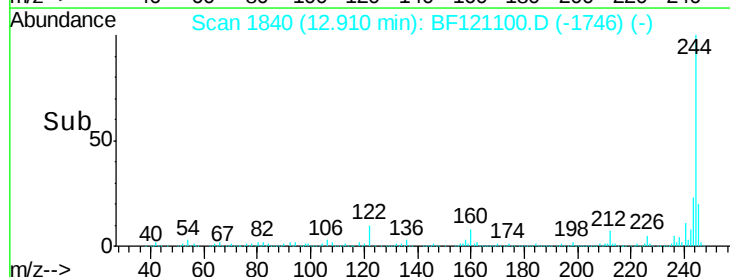
183 13.0 9.0 13.4

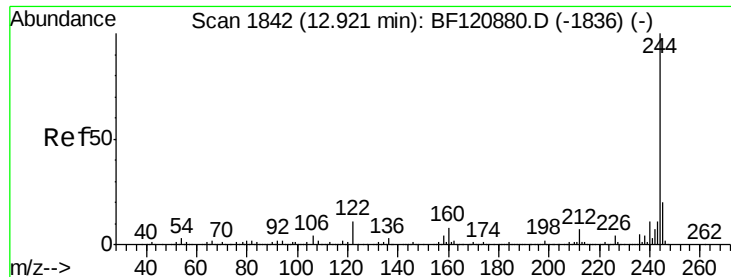


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 84.375 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BF121100.D

Acq: 29 Jul 2020 14:07

Instrument :

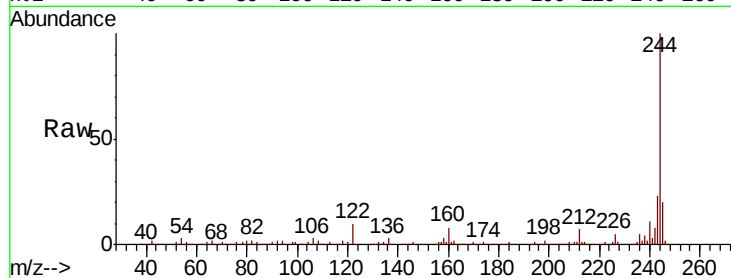
BNA_F

ClientSampleId :

PB130537BL

Tot Ion:244 Resp: 1873281

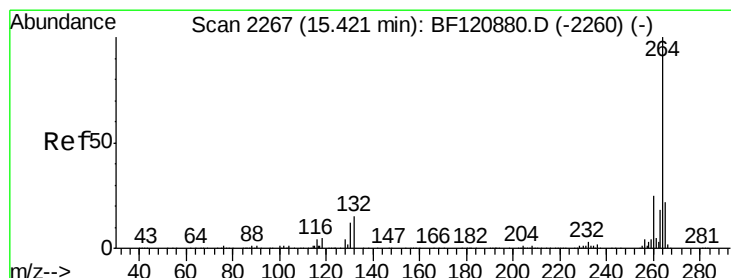
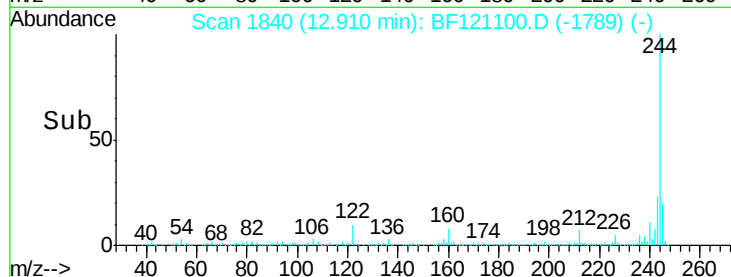
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	9.9	8.3	12.5



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: 15.40 min Scan# 2263

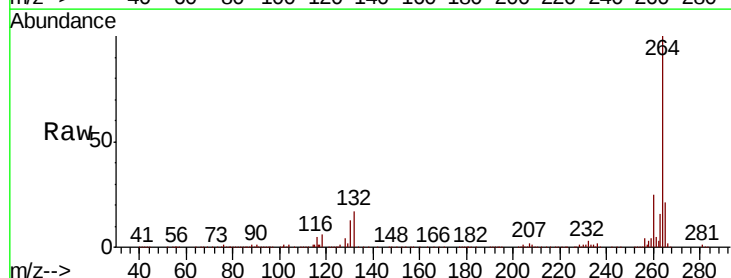
Delta R.T. -0.01 min

Lab File: BF121100.D

Acq: 29 Jul 2020 14:07

Tgt Ion:264 Resp: 456841

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.9	29.9
265	21.5	17.8	26.8



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

