

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
 Data File : BF121341.D
 Acq On : 20 Aug 2020 12:09
 Operator : JU/CG
 Sample : L3712-15 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB-25860RE

Quant Time: Aug 20 12:31:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	149757	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	578290	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	252685	20.00	ng	0.01
64) Phenanthrene-d10	11.26	188	137404	20.00	ng	0.05
76) Chrysene-d12	13.86	240	334415	20.00	ng	0.01
86) Perylene-d12	15.26	264	401648	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.35	99	369	0.03	ng	0.00
23) Nitrobenzene-d5	7.25	82	73531	7.19	ng	-0.01
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	9.06	172	166350	-0.34	ng	0.00
79) Terphenyl-d14	12.83	244	59081	3.45	ng	0.04

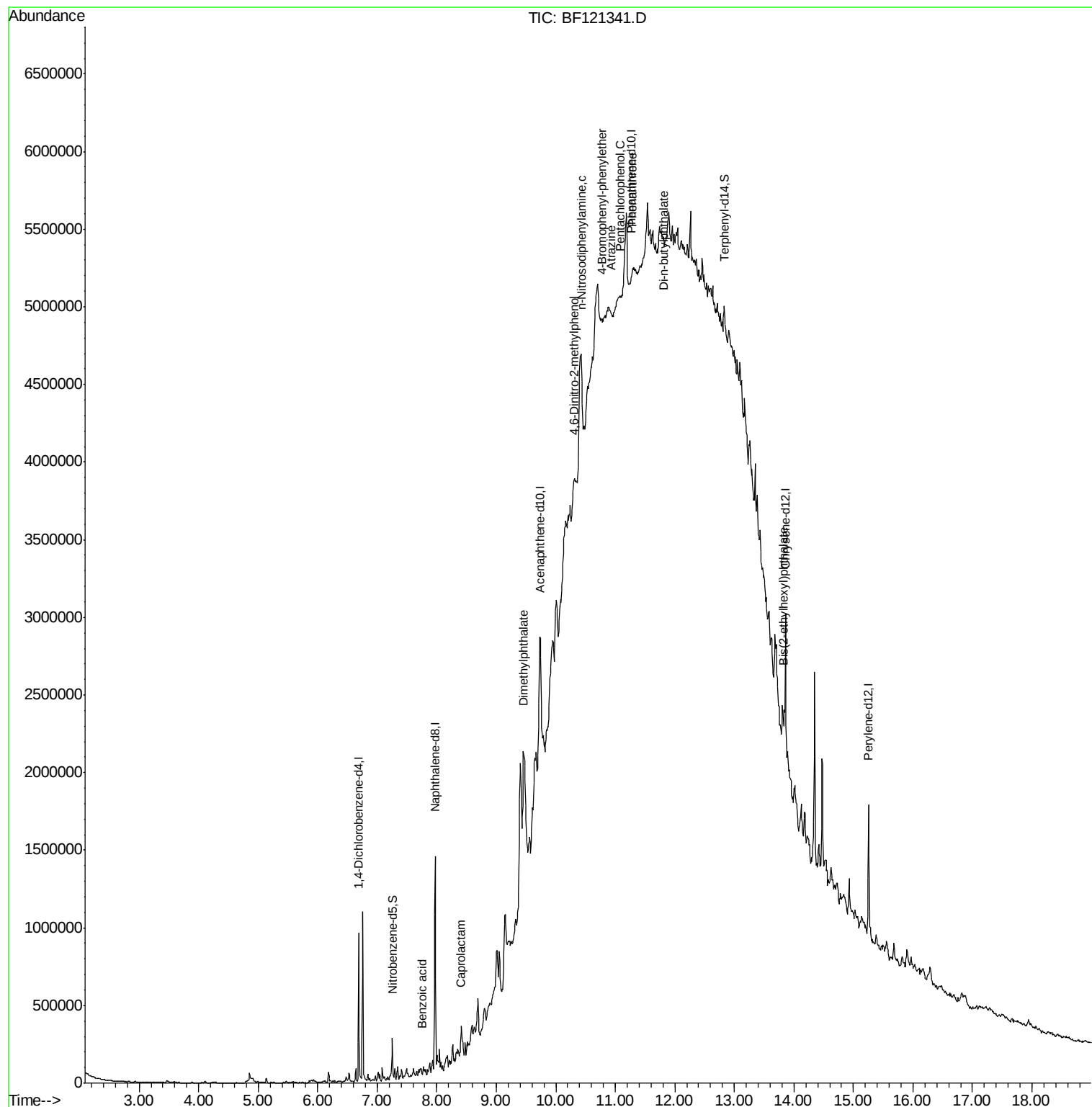
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 3+4-Methylphenols	7.12	107	1020	Below Cal	#	77
32) Benzoic acid	7.76	122	664	7.160	ng	55
35) Caprolactam	8.40	113	6752	2.476	ng	1
50) Dimethylphthalate	9.45	163	44695	2.431	ng	75
55) Dibenzofuran	9.95	168	17447	Below Cal	#	1
58) Fluorene	10.29	166	29215	Below Cal	#	1
61) 4-Chlorophenyl-phenylether	10.30	204	4073	Below Cal	#	1
65) 4,6-Dinitro-2-methylphenol	10.30	198	5745	7.818	ng	1
66) n-Nitrosodiphenylamine	10.42	169	83440	19.687	ng	55
67) 4-Bromophenyl-phenylether	10.77	248	4406	2.891	ng	1
69) Atrazine	10.94	200	2638	2.009	ng	1
70) Pentachlorophenol	11.09	266	1647	2.107	ng	19
71) Phenanthrene	11.28	178	45968	6.464	ng	1
74) Di-n-butylphthalate	11.82	149	22472	2.851	ng	13
84) Bis(2-ethylhexyl)phthalate	13.83	149	96385	7.593	ng	97

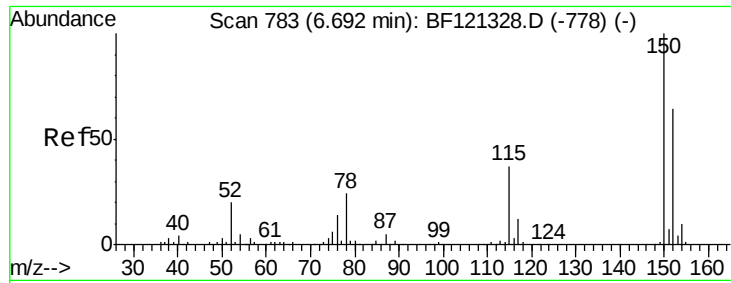
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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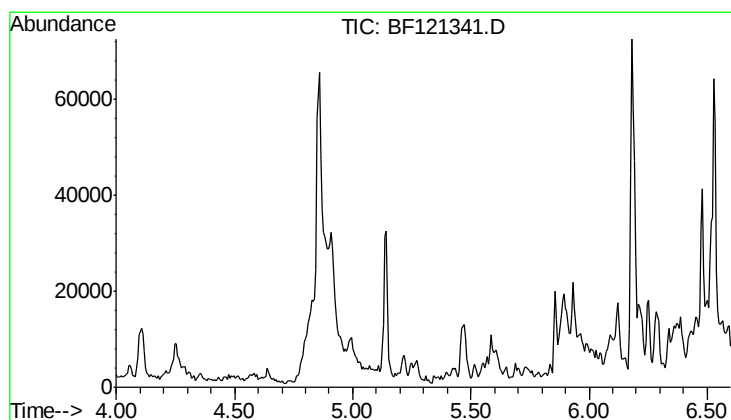
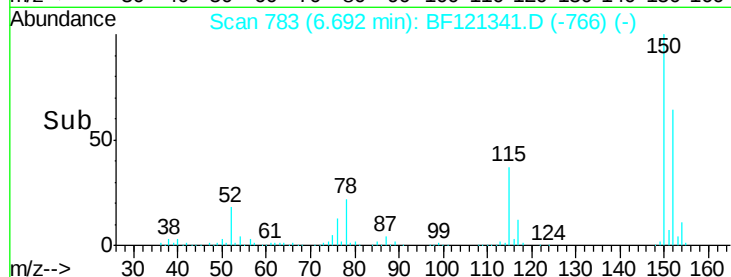
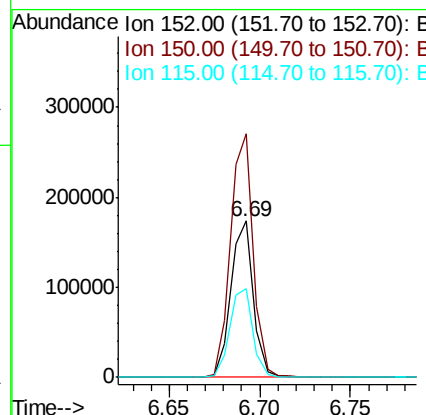
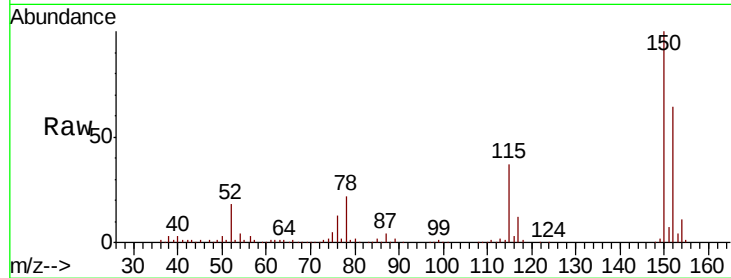




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF121341.D
 Acq: 20 Aug 2020 12:09

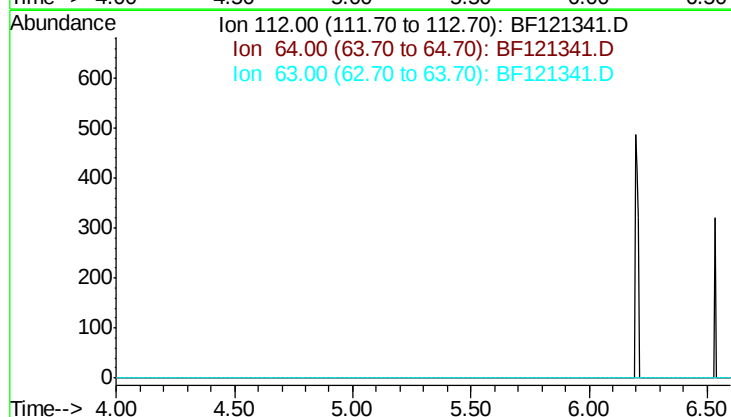
Instrument :
 BNA_F
 ClientSampleId :
 VB-25860RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.8	187.2
115	56.9	46.1	69.1



#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.30 min
 Lab File: BF121341.D
 Acq: 20 Aug 2020 12:09

Tgt Ion	Exp Ratio
112	100
64	54.4
63	27.5





#7

Phenol-d6

Concen: 0.032 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

Instrument :

BNA_F

ClientSampleId :

VB-25860RE

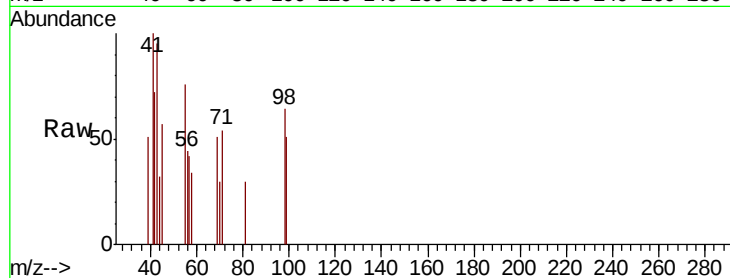
Tot Ion: 99 Resp: 369

Ion Ratio Lower Upper

99 100

42 140.1 13.5 20.3#

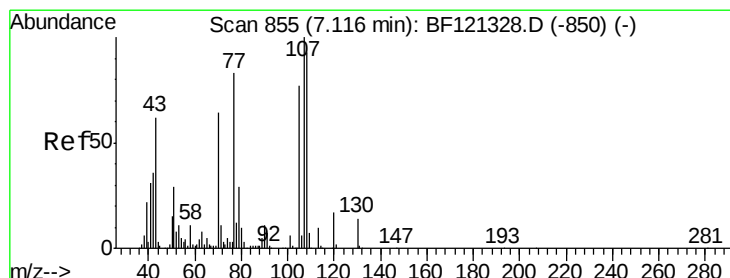
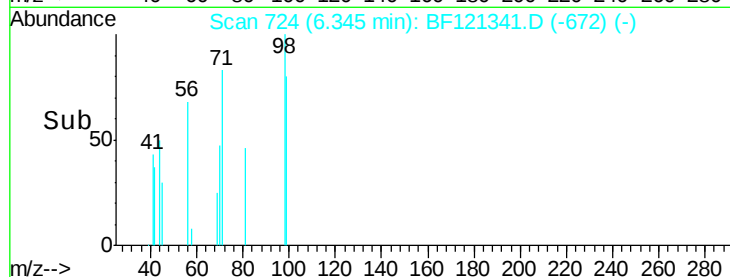
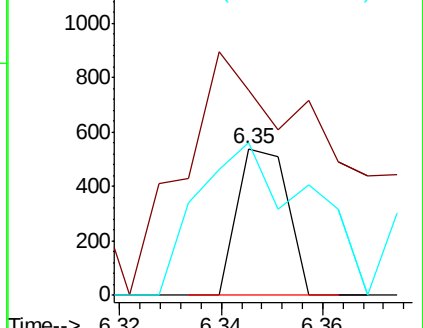
71 104.6 25.2 37.8#



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



#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.12 min Scan# 856

Delta R.T. 0.01 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

Tgt Ion:107 Resp: 1020

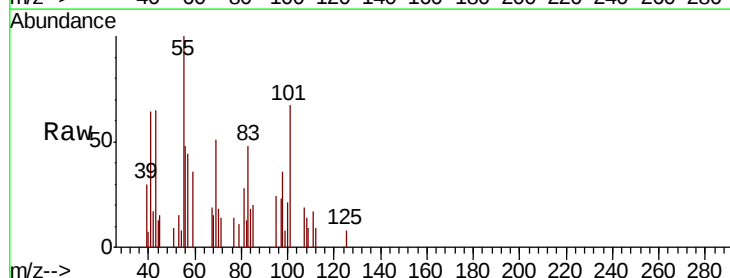
Ion Ratio Lower Upper

107 100

108 70.8 72.6 112.6#

77 74.5 63.8 103.8

79 59.6 9.1 49.1#

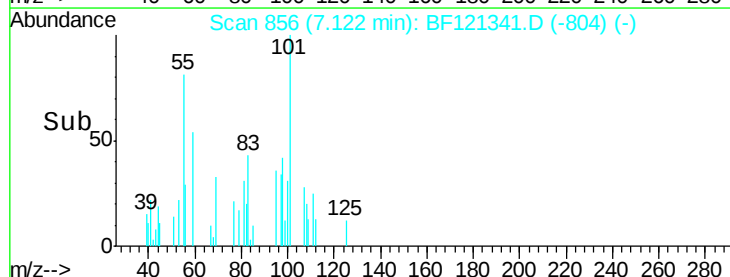
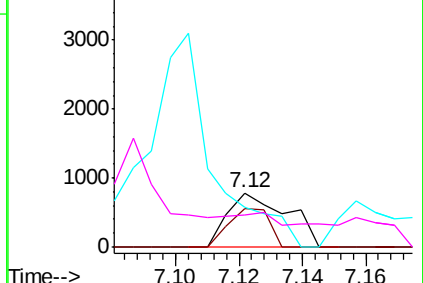


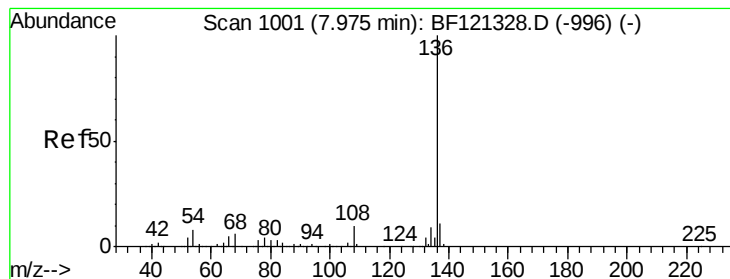
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

Instrument :

BNA_F

ClientSampleId :

VB-25860RE

Tot Ion:136 Resp: 578290

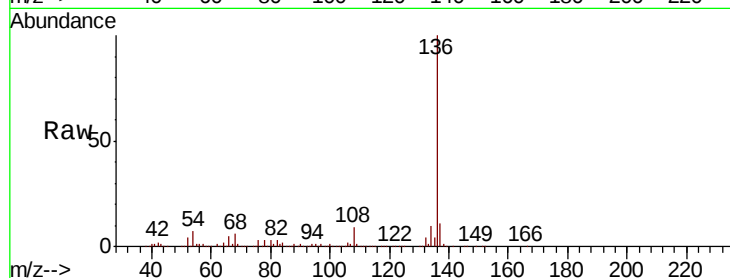
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.3 6.1 9.1

68 6.1 5.0 7.4

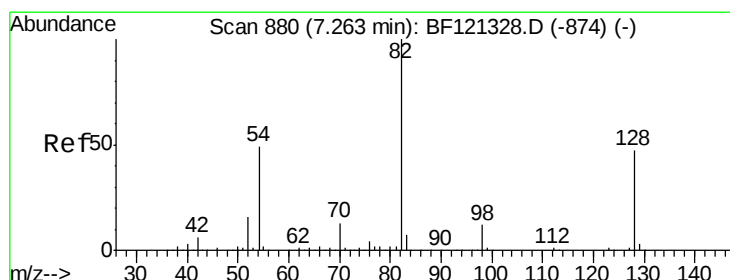
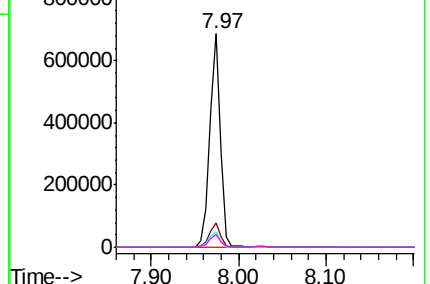
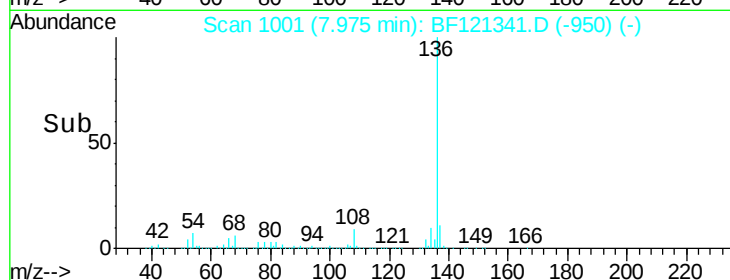


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.191 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

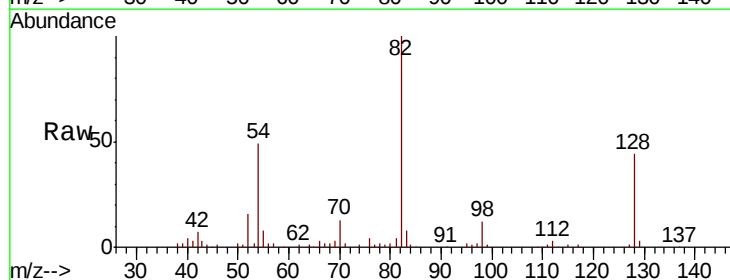
Tgt Ion: 82 Resp: 73531

Ion Ratio Lower Upper

82 100

128 44.4 37.9 56.9

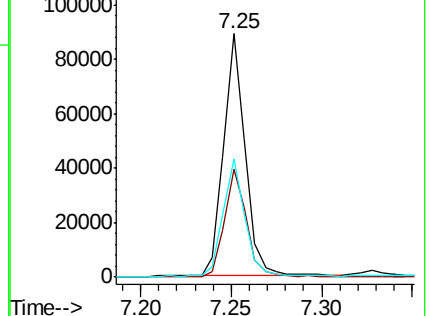
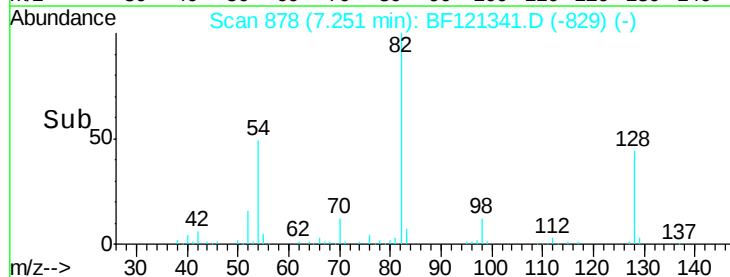
54 48.8 39.0 58.4

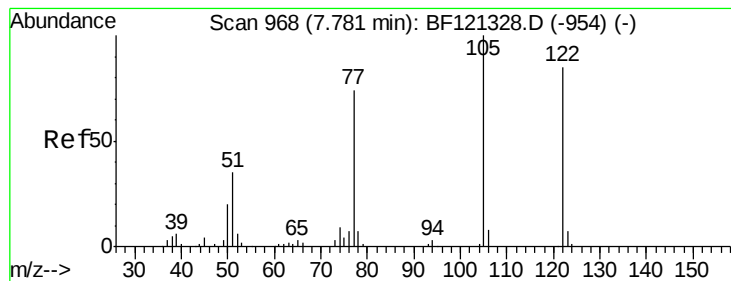


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 7.160 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

Instrument :

BNA_F

ClientSampleId :

VB-25860RE

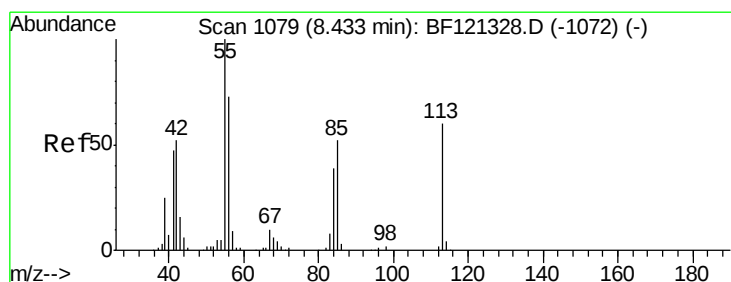
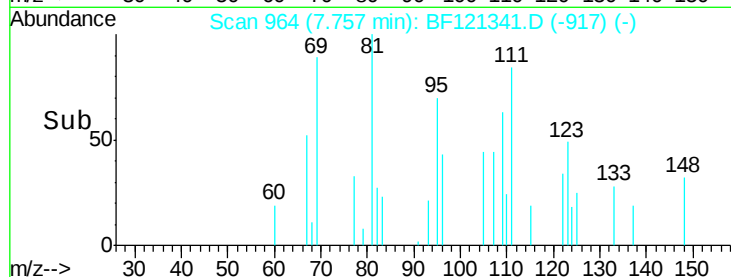
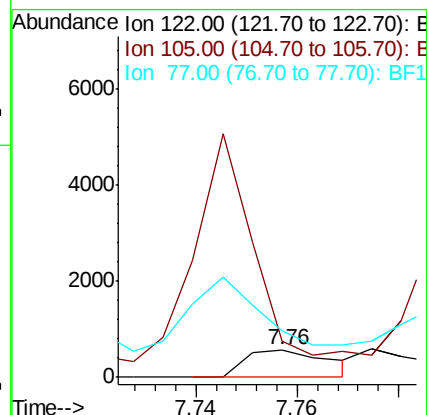
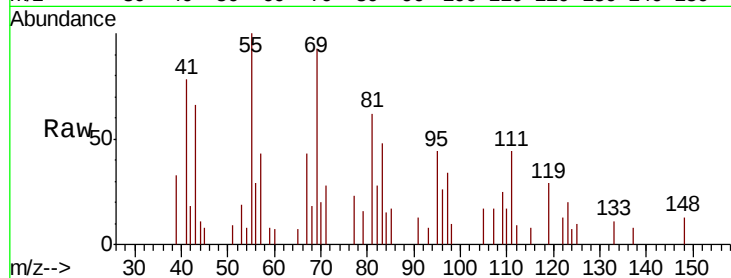
Tot Ion:122 Resp: 664

Ion Ratio Lower Upper

122 100

105 129.8 96.7 136.7

77 169.3 66.7 106.7#



#35

Caprolactam

Concen: 2.476 ng

RT: 8.40 min Scan# 1074

Delta R.T. -0.03 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

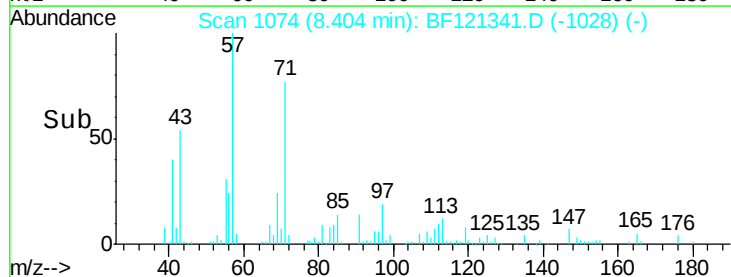
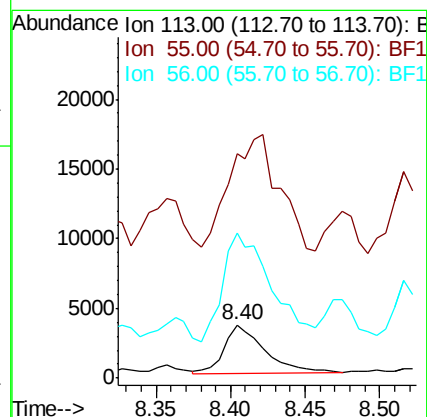
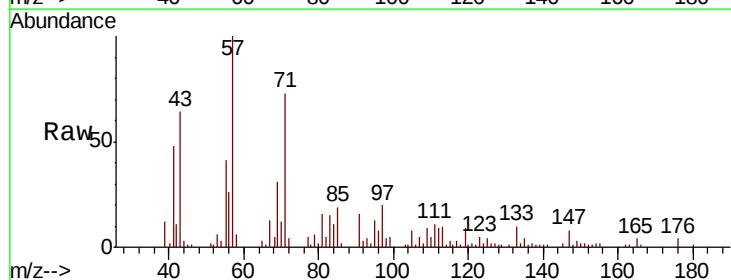
Tgt Ion:113 Resp: 6752

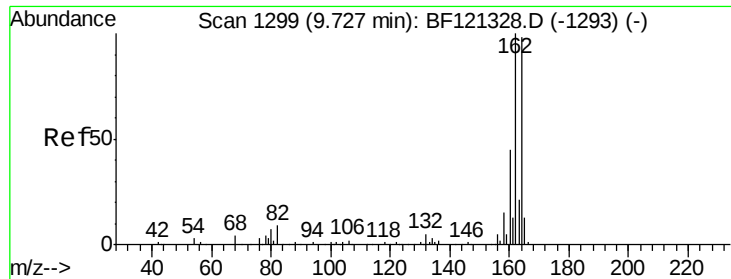
Ion Ratio Lower Upper

113 100

55 421.4 147.9 187.9#

56 271.7 102.4 142.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

Instrument :

BNA_F

ClientSampleId :

VB-25860RE

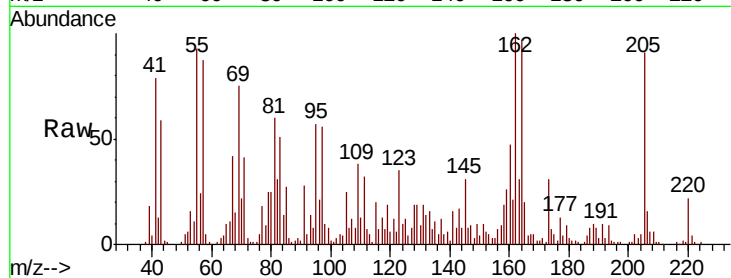
Tot Ion:164 Resp: 252685

Ion Ratio Lower Upper

164 100

162 103.3 81.7 122.5

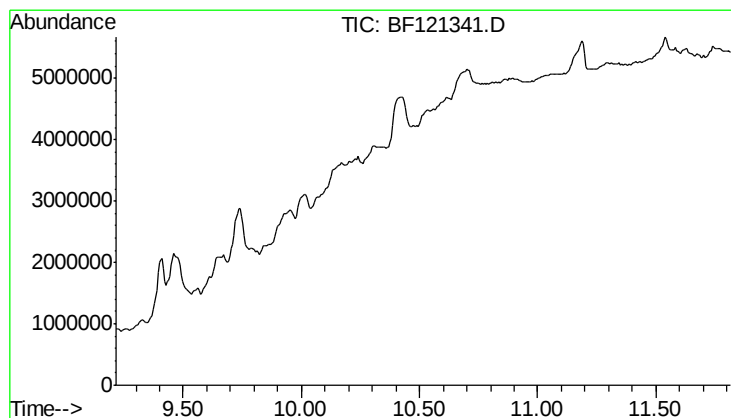
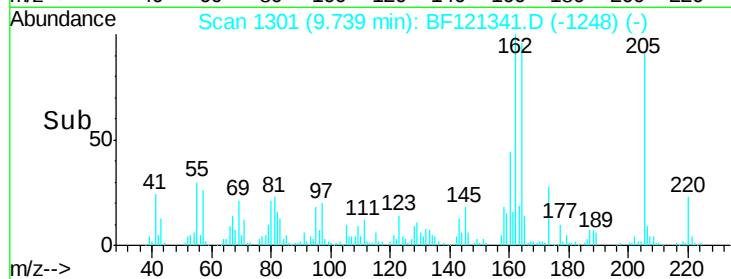
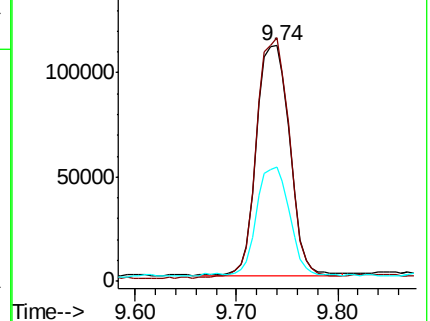
160 48.4 37.0 55.4



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: 0.000 ng

Expected RT: 10.52 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

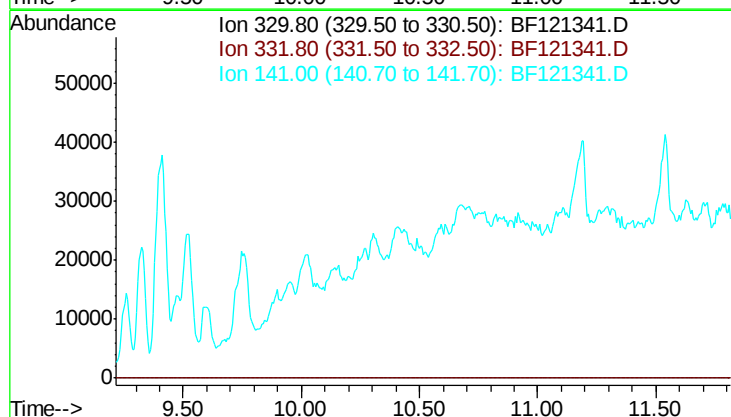
Tgt Ion: 330

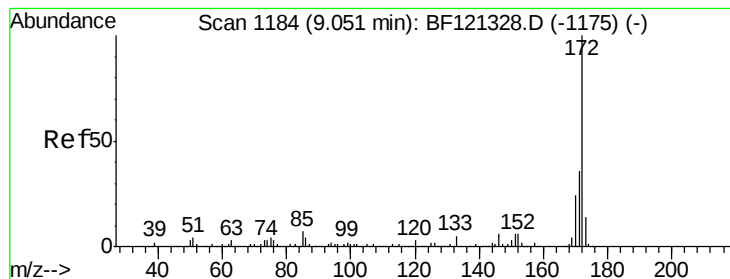
Sig Exp Ratio

330 100

332 96.1

141 28.5

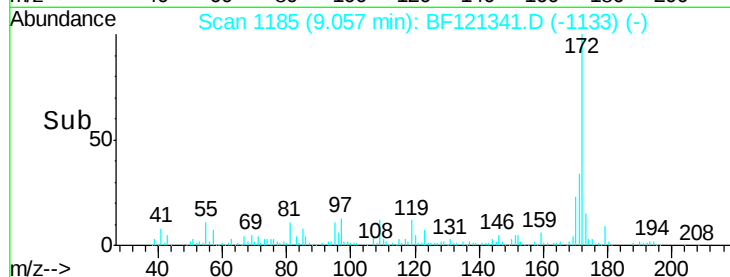
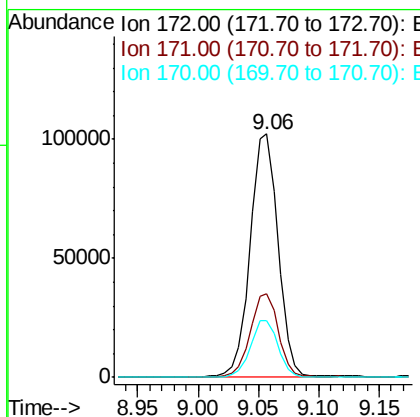
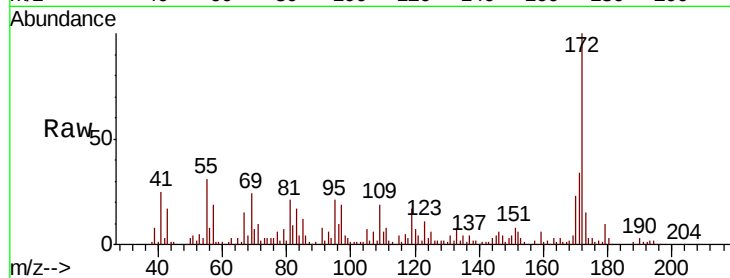




#45
 2-Fluorobiphenyl
 Concen: -0.341 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF121341.D
 Acq: 20 Aug 2020 12:09

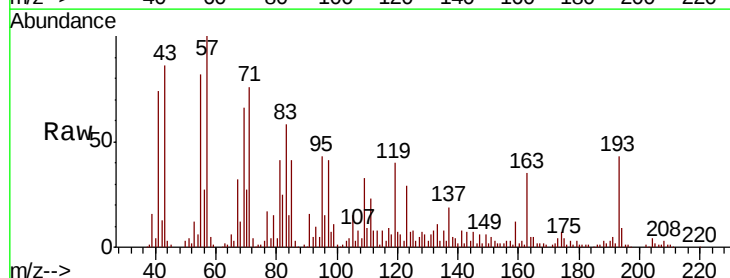
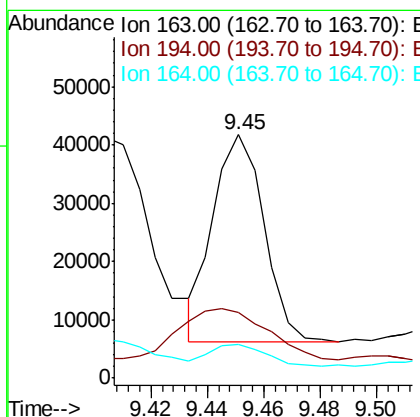
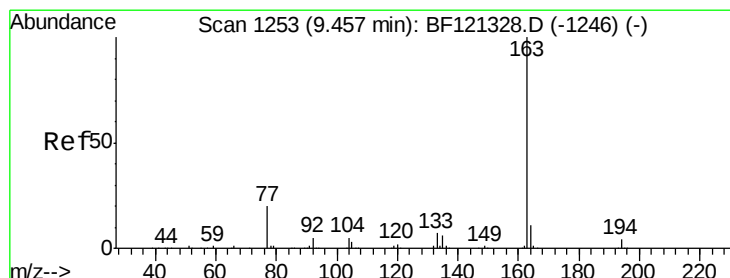
Instrument :
 BNA_F
 ClientSampled :
 VB-25860RE

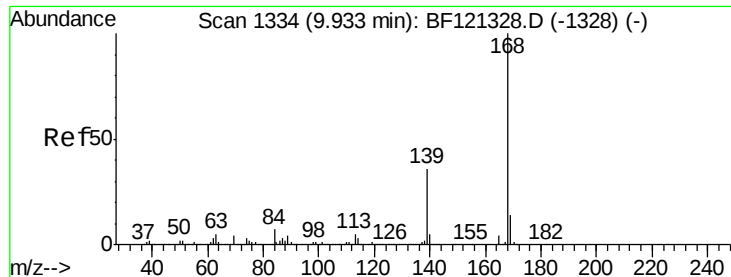
Tot Ion:172 Resp: 166350
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.0 43.6
 170 23.1 19.4 29.2



#50
 Dimethylphthalate
 Concen: 2.431 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BF121341.D
 Acq: 20 Aug 2020 12:09

Tgt Ion:163 Resp: 44695
 Ion Ratio Lower Upper
 163 100
 194 26.8 3.0 4.6#
 164 13.6 8.4 12.6#

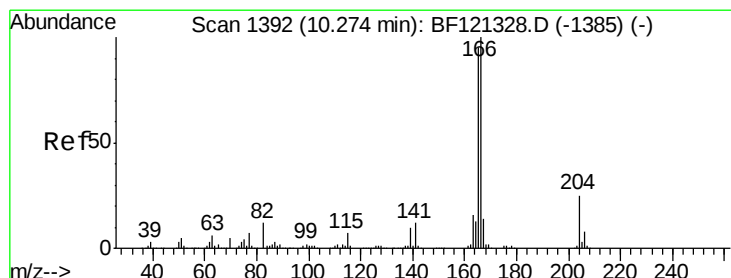
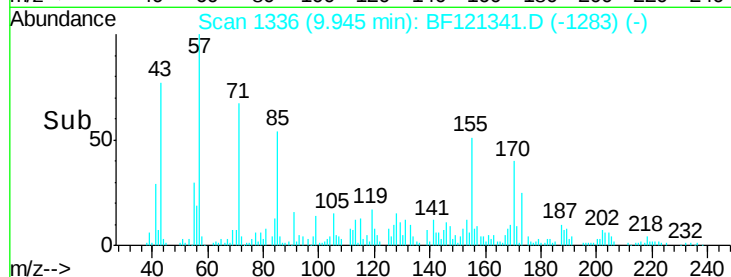
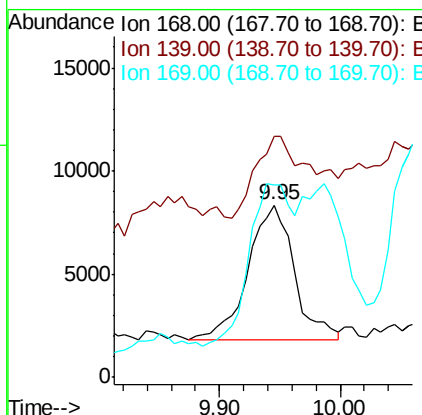
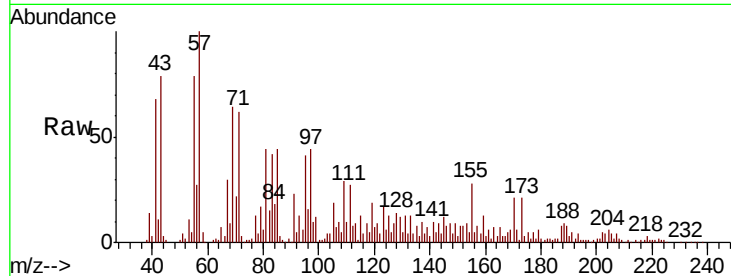




#55
Dibenzofuran
Concen: Below Cal
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF121341.D
Acq: 20 Aug 2020 12:09

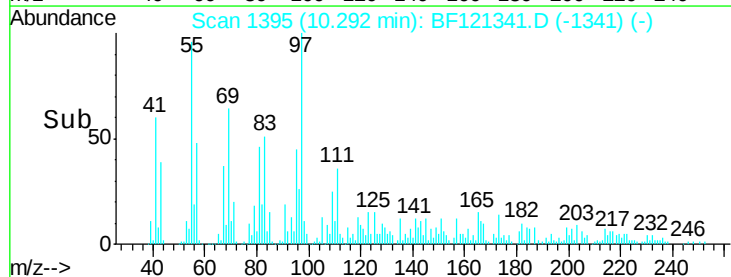
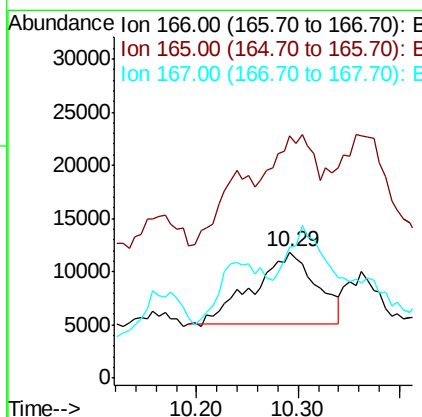
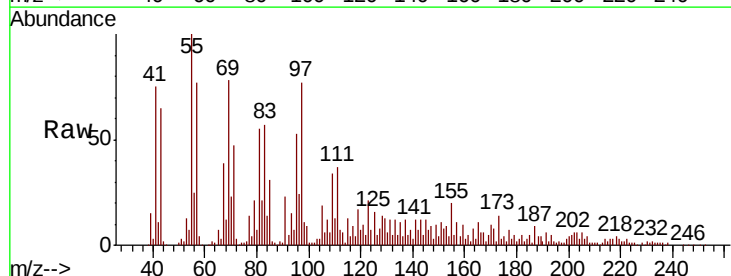
Instrument :
BNA_F
ClientSampleId :
VB-25860RE

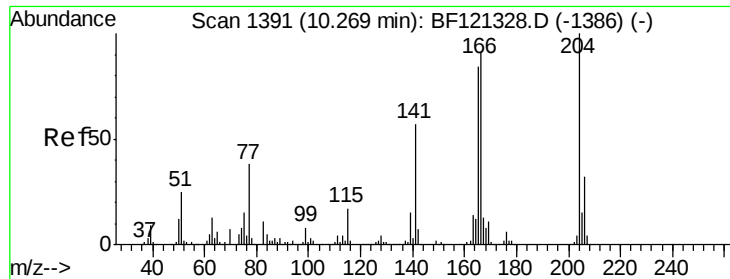
Tot Ion:168 Resp: 17447
Ion Ratio Lower Upper
168 100
139 140.1 29.1 43.7#
169 112.0 11.0 16.6#



#58
Fluorene
Concen: Below Cal
RT: 10.29 min Scan# 1395
Delta R.T. 0.02 min
Lab File: BF121341.D
Acq: 20 Aug 2020 12:09

Tgt Ion:166 Resp: 29215
Ion Ratio Lower Upper
166 100
165 191.8 75.8 113.8#
167 103.8 11.0 16.4#

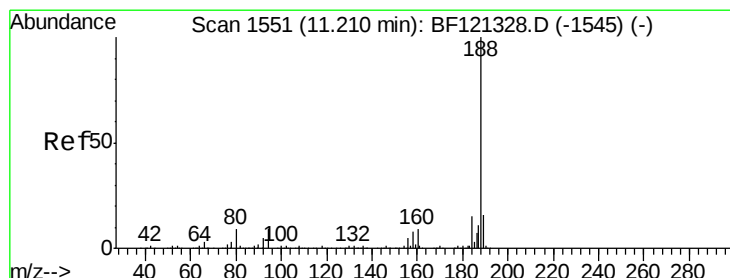
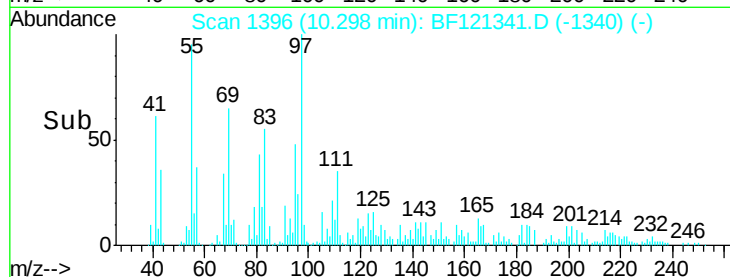
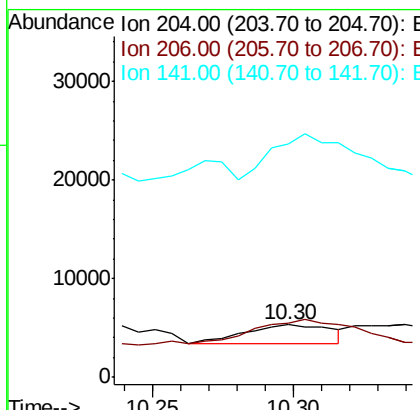
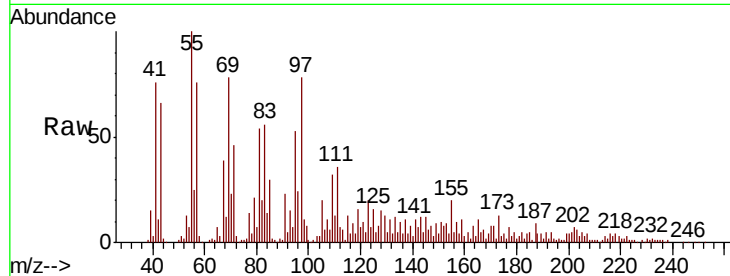




#61
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.30 min Scan# 1396
Delta R.T. 0.03 min
Lab File: BF121341.D
Acq: 20 Aug 2020 12:09

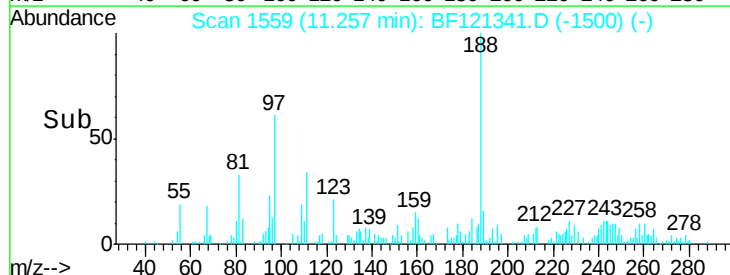
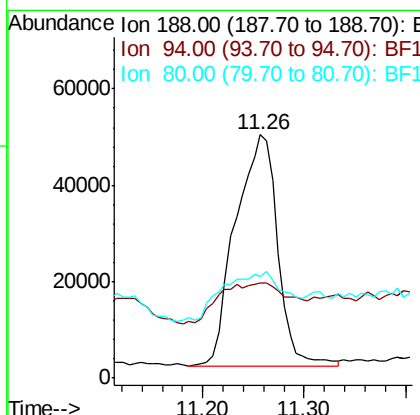
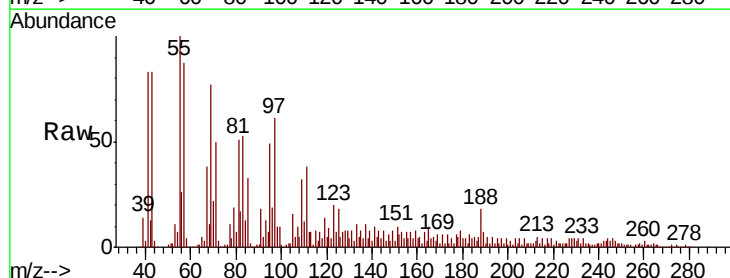
Instrument :
BNA_F
ClientSampleId :
VB-25860RE

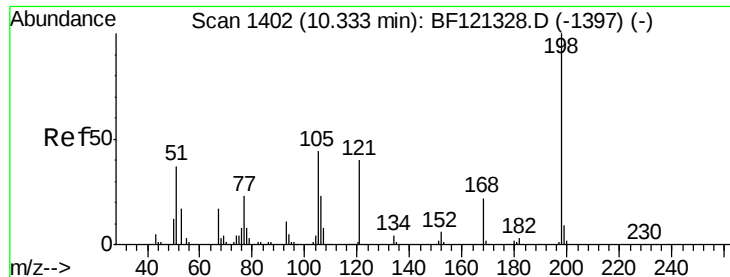
Tot Ion:204 Resp: 4073
Ion Ratio Lower Upper
204 100
206 102.7 25.9 38.9#
141 441.4 45.5 68.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.05 min
Lab File: BF121341.D
Acq: 20 Aug 2020 12:09

Tgt Ion:188 Resp: 137404
Ion Ratio Lower Upper
188 100
94 39.2 7.2 10.8#
80 41.5 7.4 11.0#





#65

4,6-Dinitro-2-methylphenol

Concen: 7.818 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.04 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

Instrument :

BNA_F

ClientSampleId :

VB-25860RE

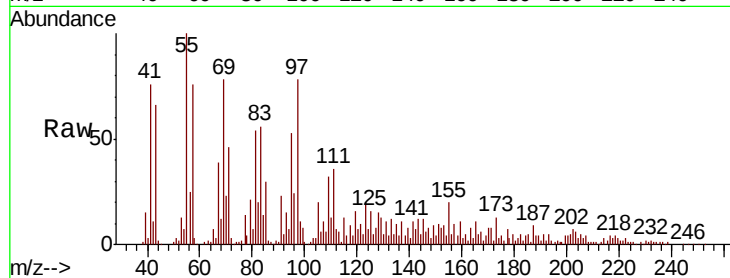
Tot Ion:198 Resp: 5745

Ion Ratio Lower Upper

198 100

51 323.4 25.5 65.5#

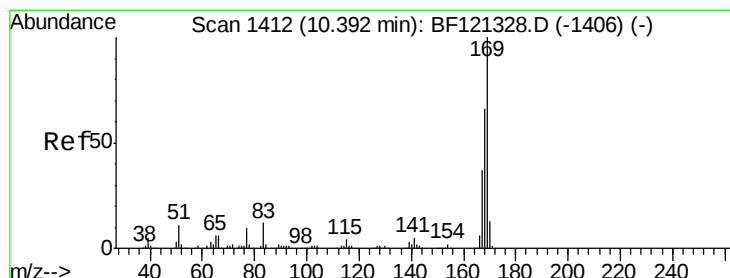
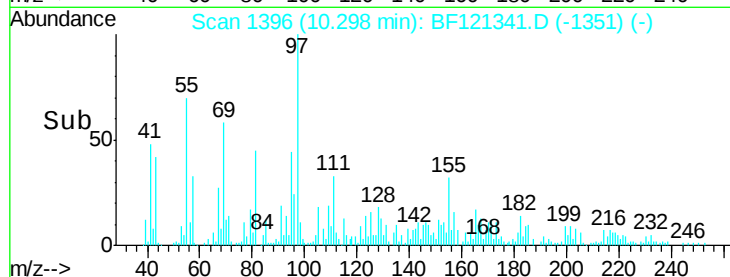
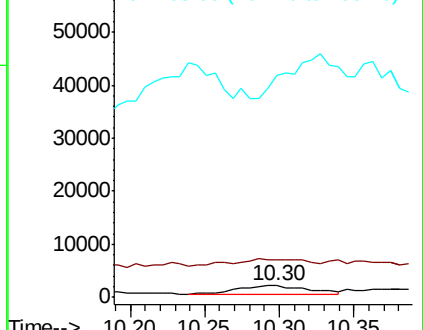
105 1908.0 24.9 64.9#



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: 19.687 ng

RT: 10.42 min Scan# 1417

Delta R.T. 0.03 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

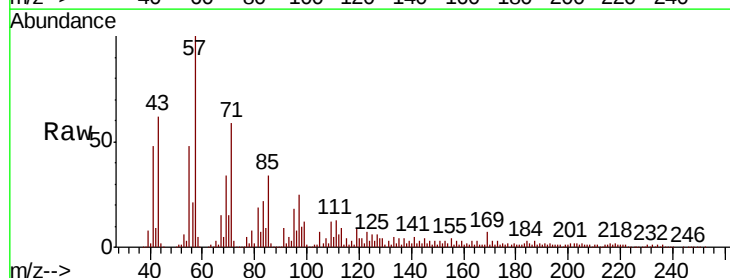
Tgt Ion:169 Resp: 83440

Ion Ratio Lower Upper

169 100

168 22.2 53.0 79.6#

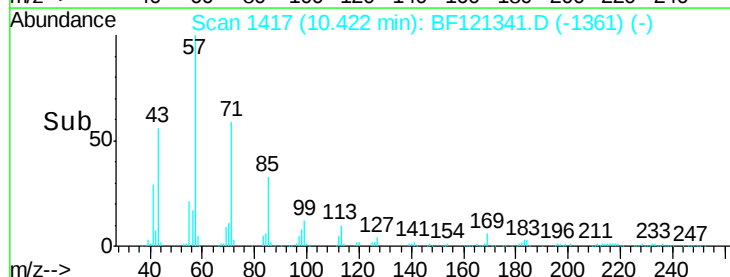
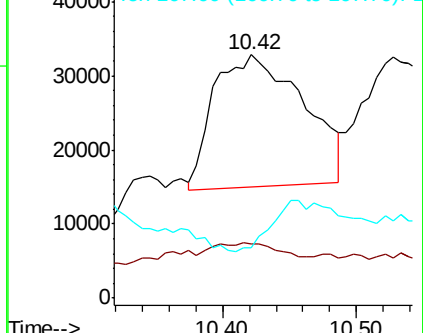
167 20.5 29.5 44.3#

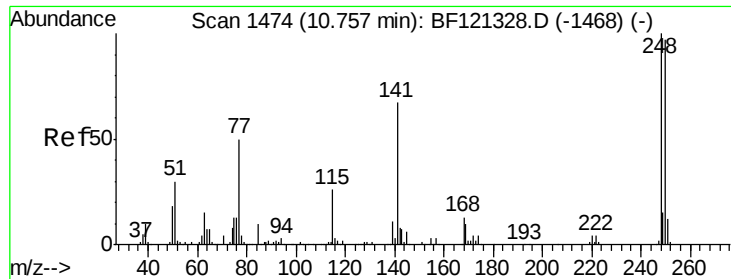


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

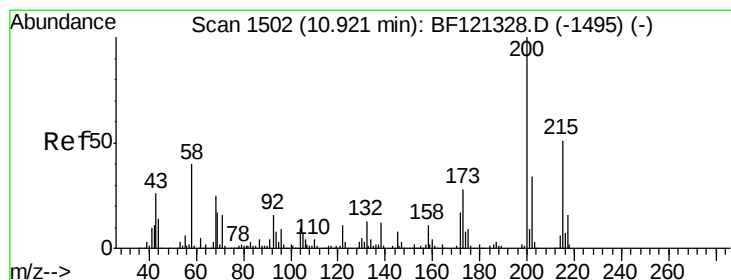
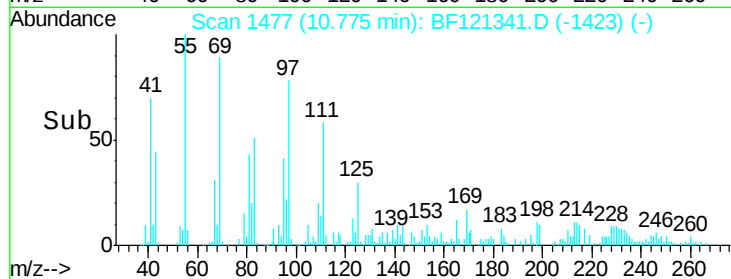
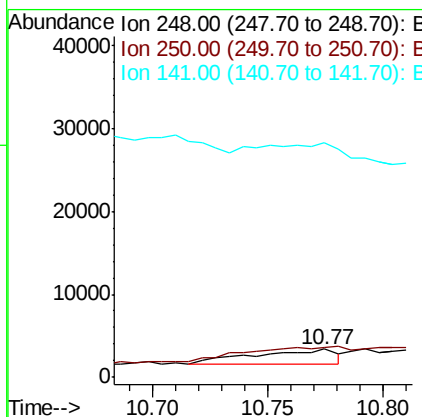
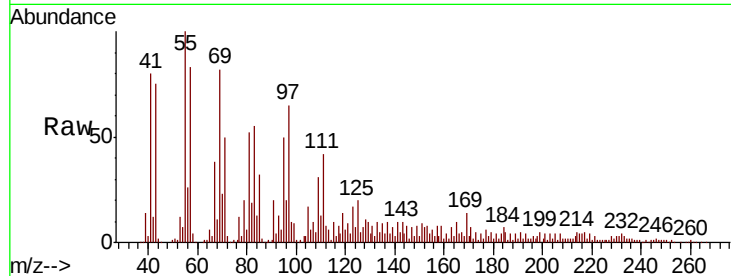




#67
 4-Bromophenyl-phenylether
 Concen: 2.891 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. 0.02 min
 Lab File: BF121341.D
 Acq: 20 Aug 2020 12:09

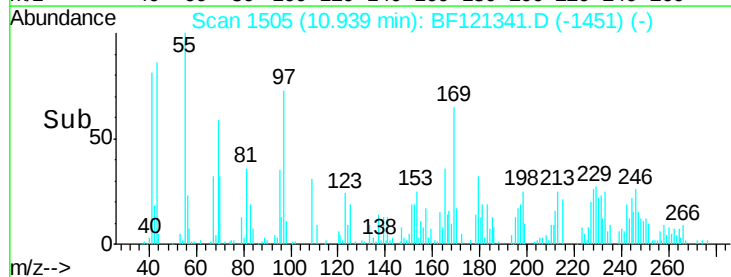
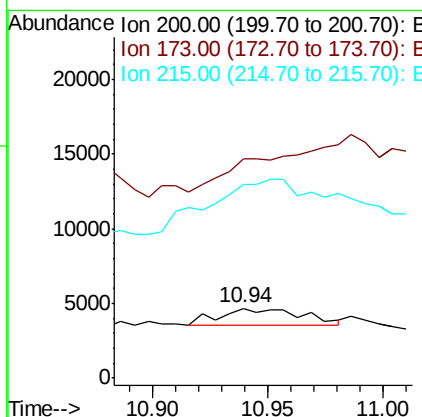
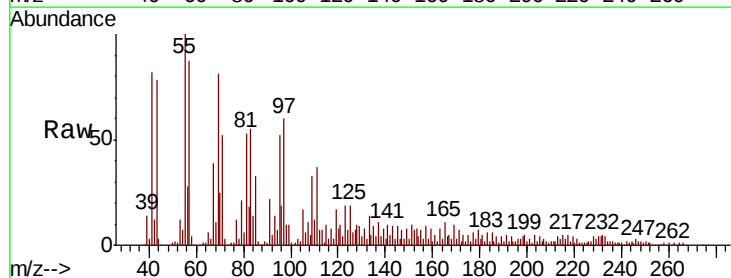
Instrument :
 BNA_F
 ClientSampleId :
 VB-25860RE

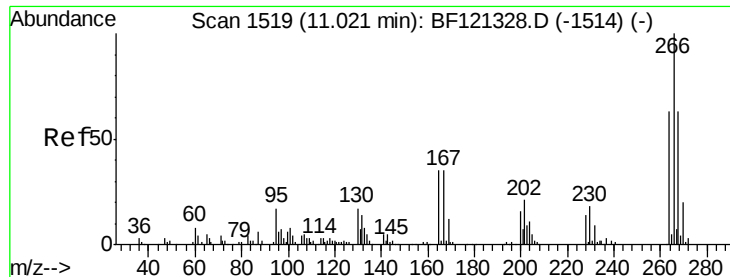
Tot Ion	Ratio	Lower	Upper
248	100		
250	106.4	77.9	116.9
141	832.5	53.5	80.3#



#69
 Atrazine
 Concen: 2.009 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. 0.02 min
 Lab File: BF121341.D
 Acq: 20 Aug 2020 12:09

Tgt Ion	Ratio	Lower	Upper
200	100		
173	312.9	7.8	47.8#
215	276.2	30.5	70.5#

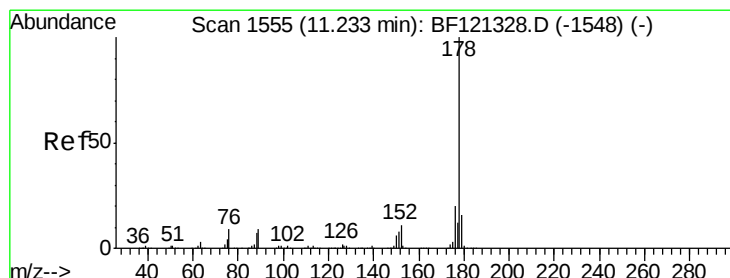
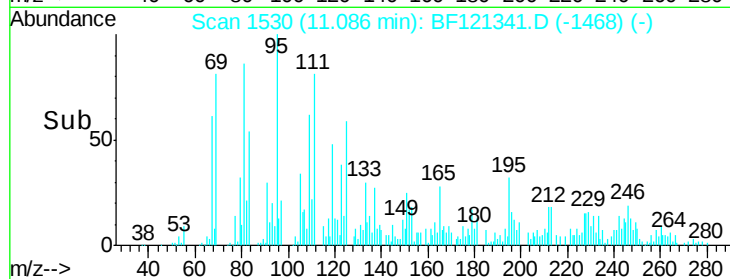
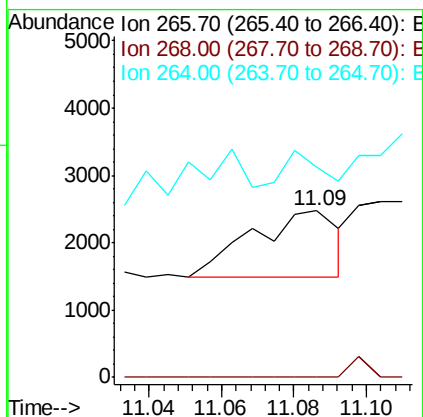
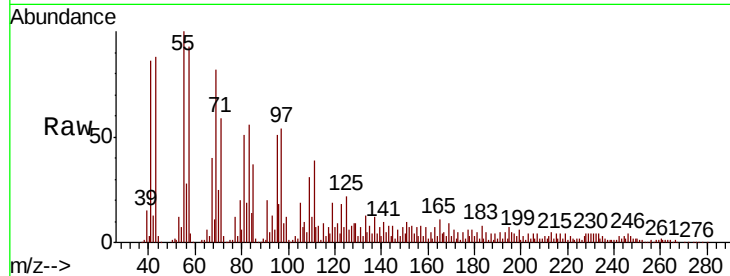




#70
 Pentachlorophenol
 Concen: 2.107 ng
 RT: 11.09 min Scan# 1530
 Delta R.T. 0.06 min
 Lab File: BF121341.D
 Acq: 20 Aug 2020 12:09

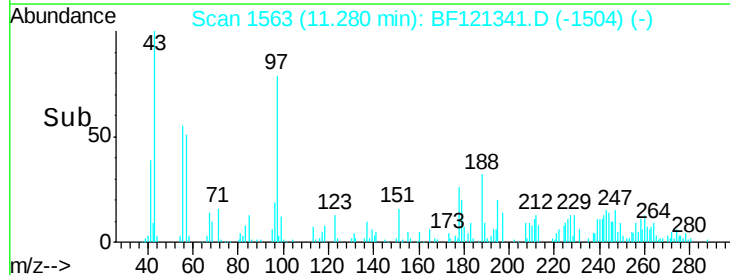
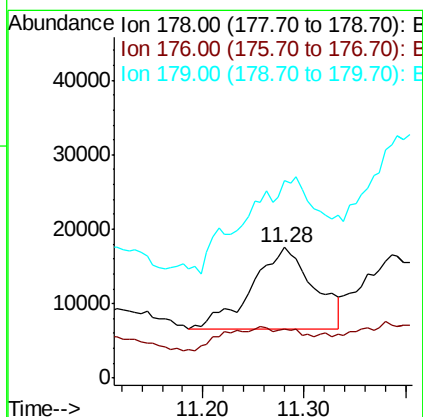
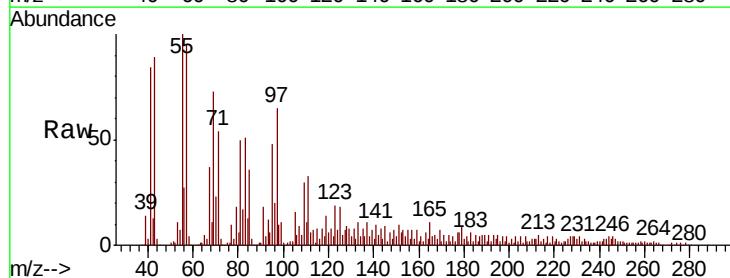
Instrument :
 BNA_F
 ClientSampleId :
 VB-25860RE

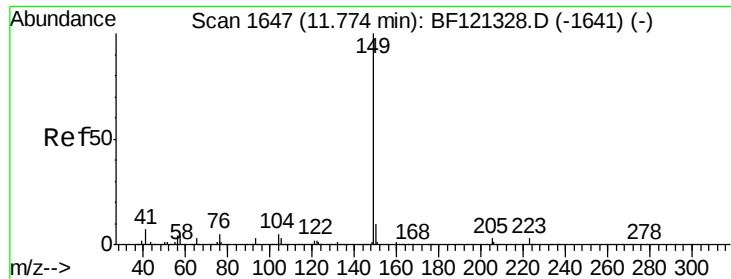
Tot Ion:266 Resp: 1647
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.6 75.8#
 264 126.4 50.5 75.7#



#71
 Phenanthrene
 Concen: 6.464 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. 0.05 min
 Lab File: BF121341.D
 Acq: 20 Aug 2020 12:09

Tgt Ion:178 Resp: 45968
 Ion Ratio Lower Upper
 178 100
 176 37.1 16.0 24.0#
 179 150.8 12.8 19.2#





#74

Di-n-butylphthalate

Concen: 2.851 ng

RT: 11.82 min Scan# 1655

Delta R.T. 0.05 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

Instrument :

BNA_F

ClientSampleId :

VB-25860RE

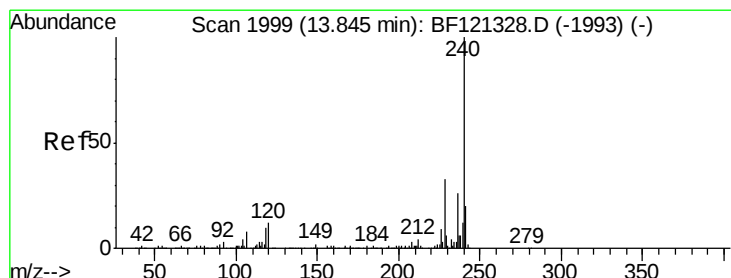
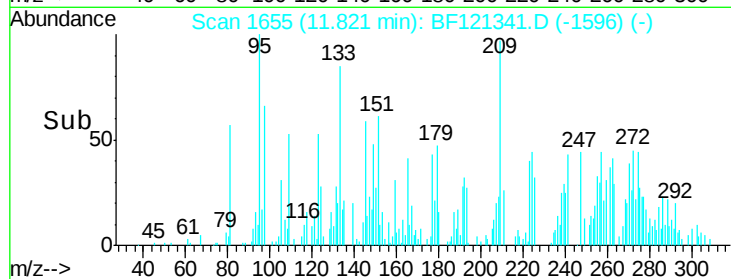
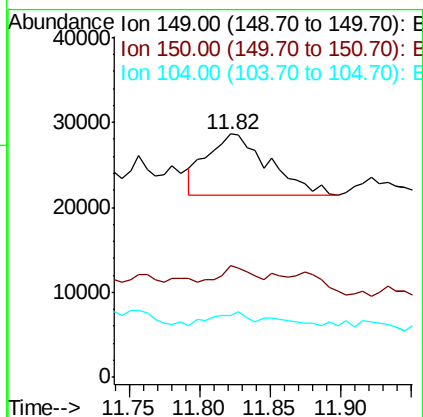
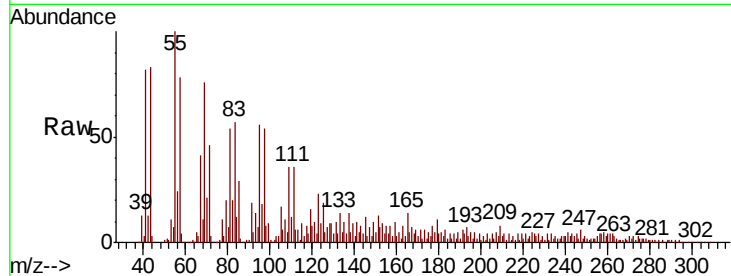
Tot Ion:149 Resp: 22472

Ion Ratio Lower Upper

149 100

150 45.8 7.7 11.5#

104 25.6 3.9 5.9#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.01 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

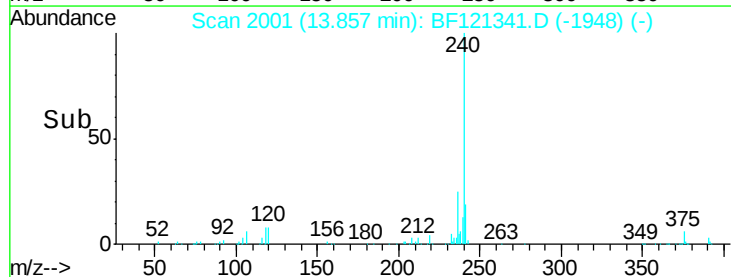
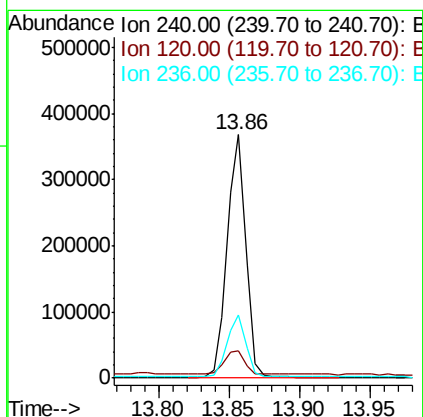
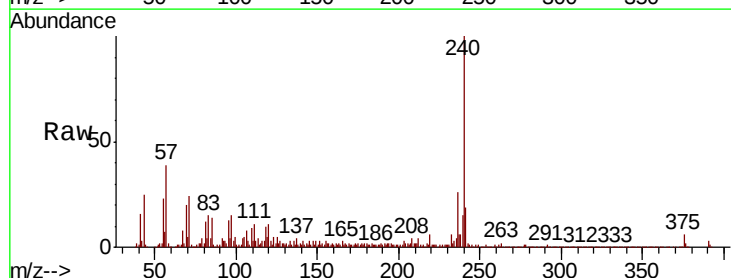
Tgt Ion:240 Resp: 334415

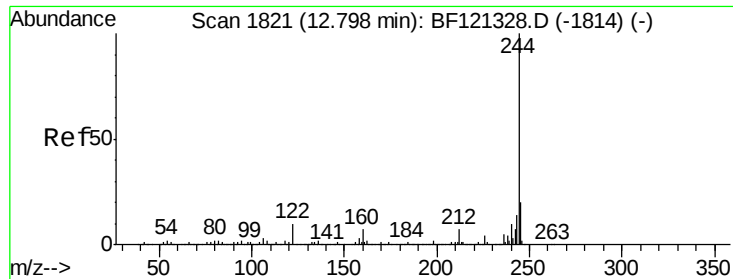
Ion Ratio Lower Upper

240 100

120 11.4 9.6 14.4

236 26.1 20.6 31.0





#79

Terphenyl-d14

Concen: 3.452 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.04 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

Instrument :

BNA_F

ClientSampleId :

VB-25860RE

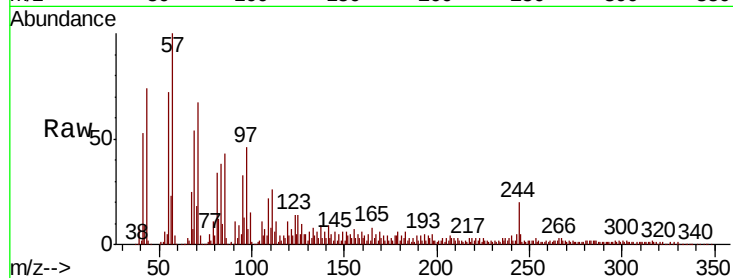
Tot Ion:244 Resp: 59081

Ion Ratio Lower Upper

244 100

212 10.5 5.4 8.0#

122 21.7 7.8 11.8#



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

12.83

80000

60000

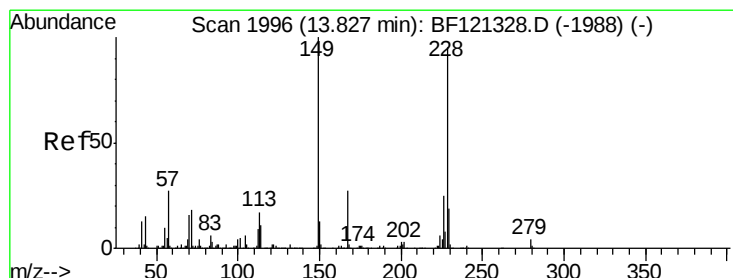
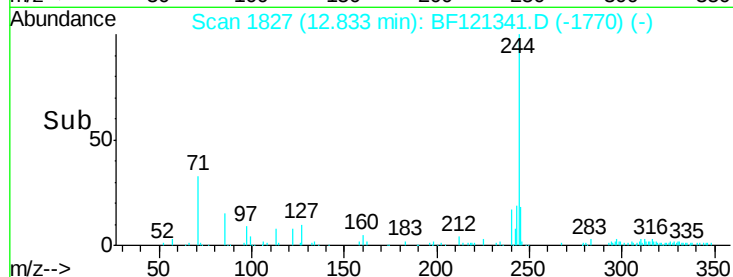
40000

20000

0

12.75 12.80 12.85 12.90

Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.593 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BF121341.D

Acq: 20 Aug 2020 12:09

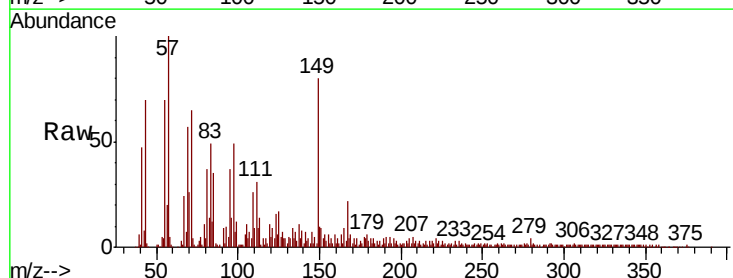
Tgt Ion:149 Resp: 96385

Ion Ratio Lower Upper

149 100

167 28.2 21.5 32.3

279 4.8 2.9 4.3#



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

13.83

150000

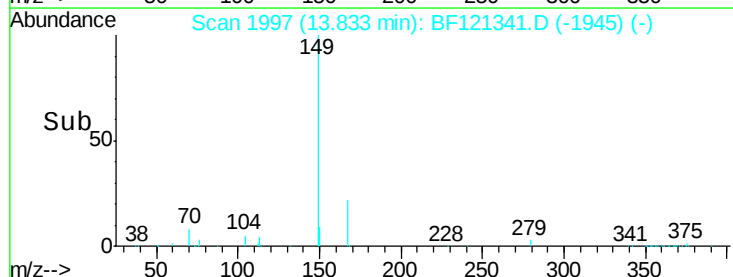
100000

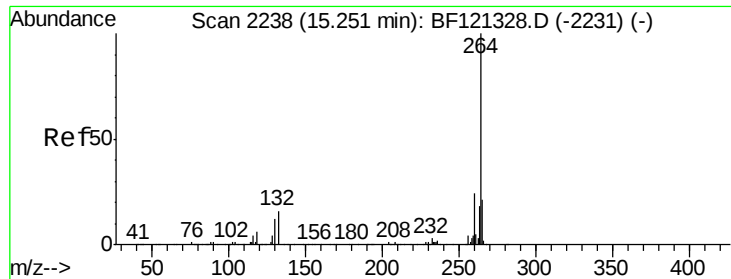
50000

0

13.80 13.85

Time-->

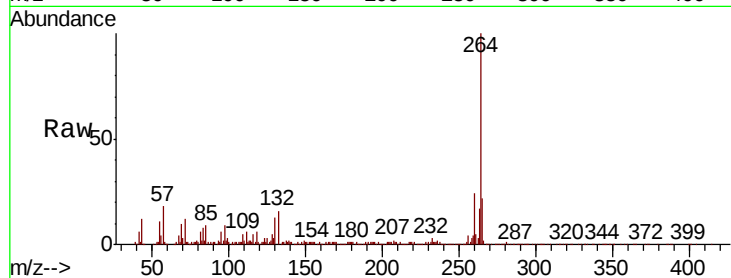




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF121341.D
Acq: 20 Aug 2020 12:09

Instrument :
BNA_F
ClientSampleId :
VB-25860RE

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.2	19.5	29.3	
265	21.7	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

