

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
 Data File : BF121407.D
 Acq On : 24 Aug 2020 19:25
 Operator : JU/CG
 Sample : L3706-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WW

Quant Time: Aug 25 03:22:41 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	6.70	152	158596	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	169446	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	295332	20.00	ng	0.01
64) Phenanthrene-d10	11.24	188	456250	20.00	ng	0.03
76) Chrysene-d12	13.86	240	322730	20.00	ng	0.02
86) Perylene-d12	15.28	264	348699	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	261933	27.08	ng	0.02
7) Phenol-d6	6.36	99	42265	3.42	ng	0.02
23) Nitrobenzene-d5	7.27	82	835996	279.03	ng	0.01
42) 2,4,6-Tribromophenol	10.53	330	163437	47.49	ng	0.02
45) 2-Fluorobiphenyl	9.06	172	1184694	75.57	ng	0.01
79) Terphenyl-d14	12.82	244	1169621	70.82	ng	0.02

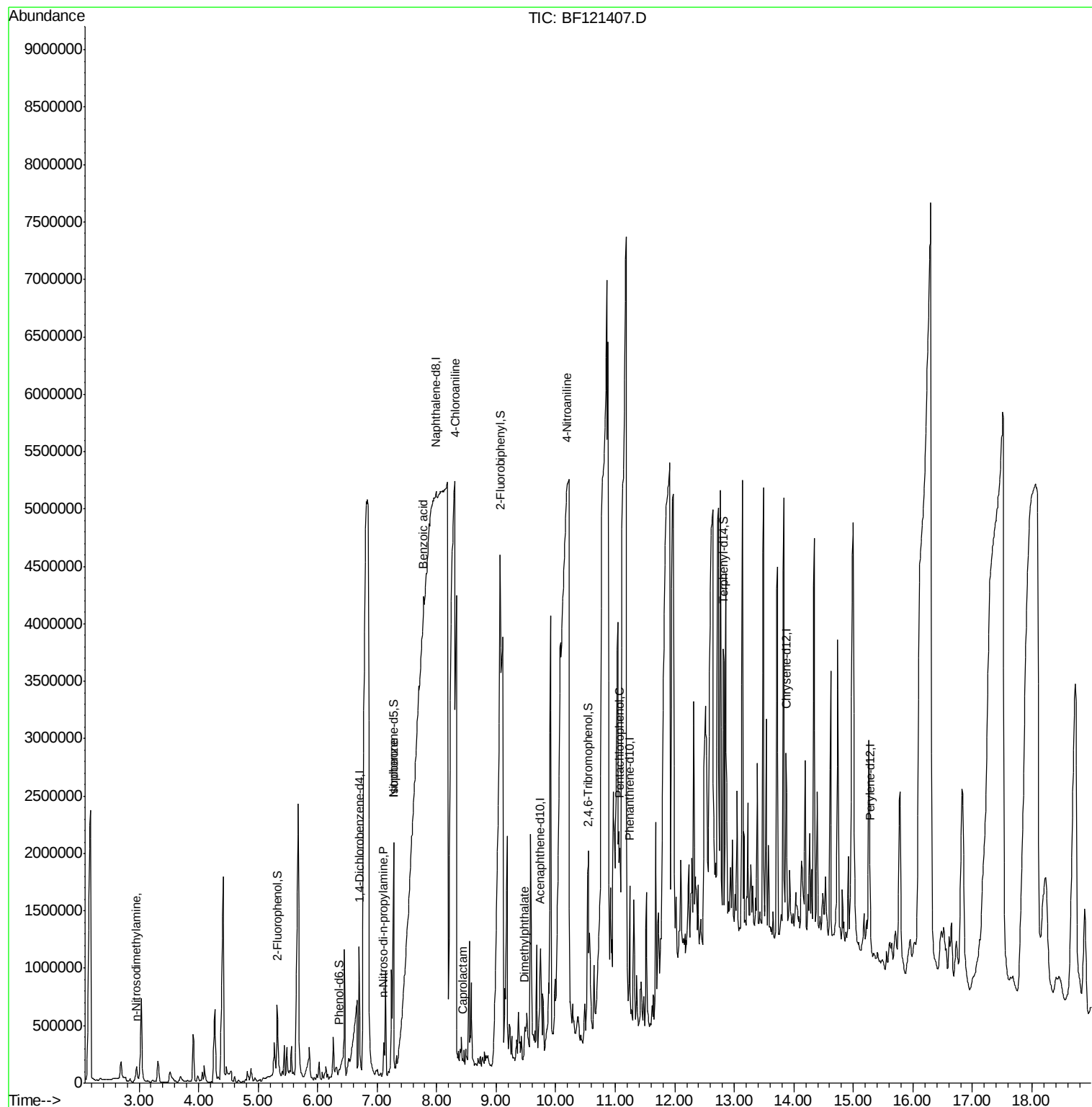
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	2.95	42	20538	4.296	ng	# 1
19) n-Nitroso-di-n-propylamine	7.11	70	25926	3.904	ng	# 43
20) 3+4-Methylphenols	7.13	107	32668	Below Cal		# 68
25) Isophorone	7.27	82	821661	150.698	ng	# 65
32) Benzoic acid	7.77	122	2422	8.248	ng	# 1
33) 4-Chloroaniline	8.30	127	40587	10.869	ng	# 39
35) Caprolactam	8.43	113	1777	2.224	ng	# 1
50) Dimethylphthalate	9.48	163	127971	5.956	ng	# 99
55) Dibenzofuran	9.95	168	2204	Below Cal		# 55
58) Fluorene	10.29	166	1978	Below Cal		# 76
62) 4-Nitroaniline	10.18	138	101224	17.210	ng	# 26
70) Pentachlorophenol	11.07	266	23716	9.137	ng	# 98

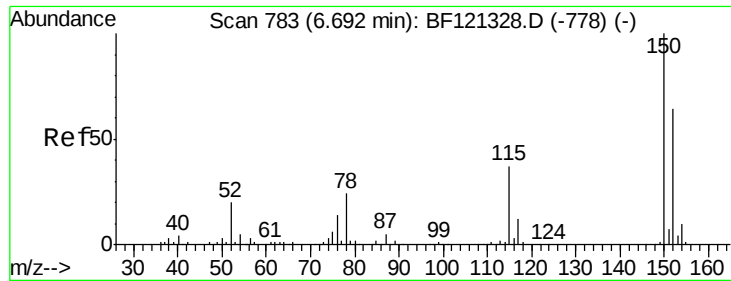
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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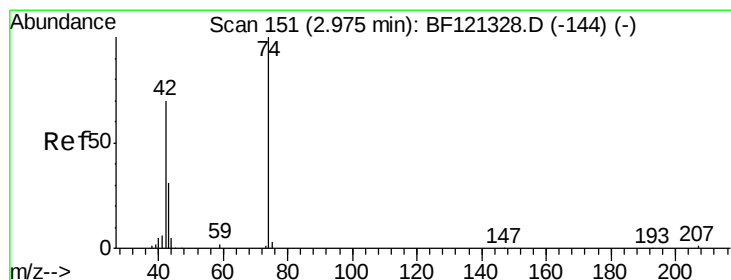
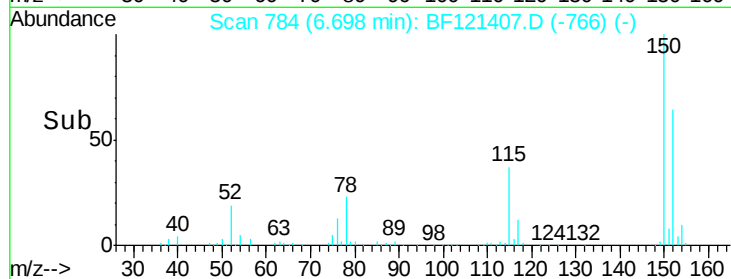
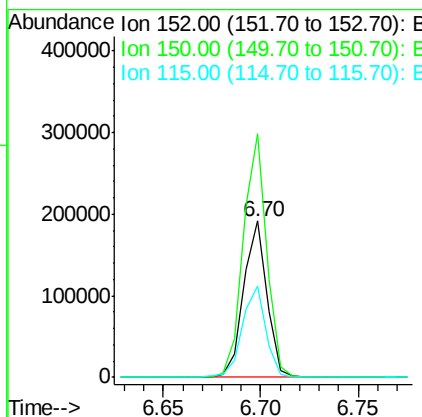
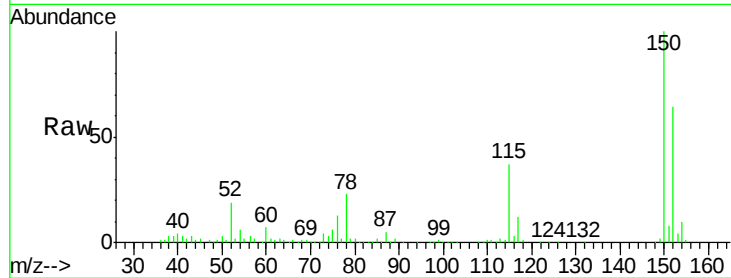


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. 0.01 min
 Lab File: BF121407.D
 Acq: 24 Aug 2020 19:25

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WW

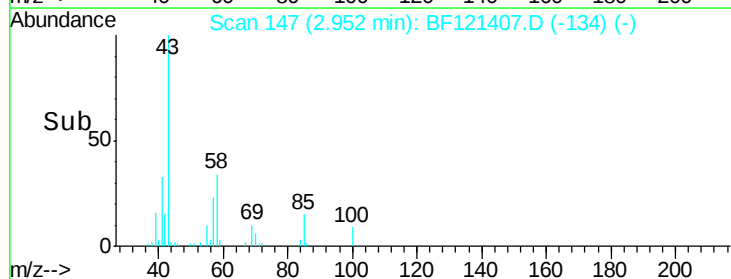
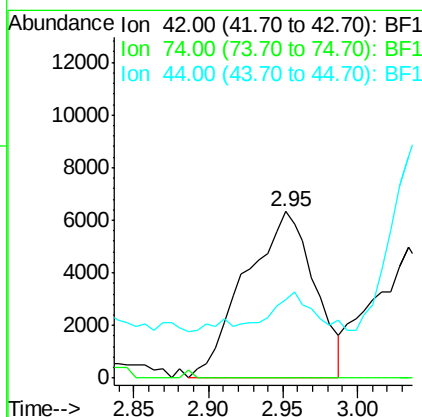
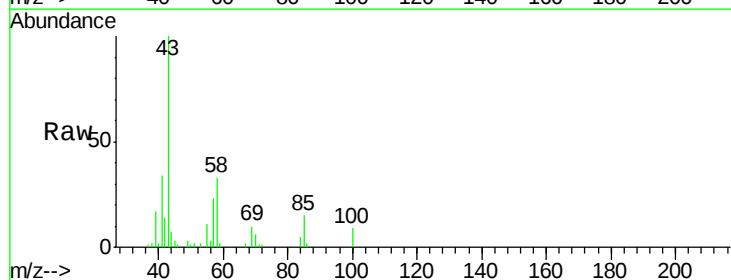
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.8	187.2
115	58.2	46.1	69.1

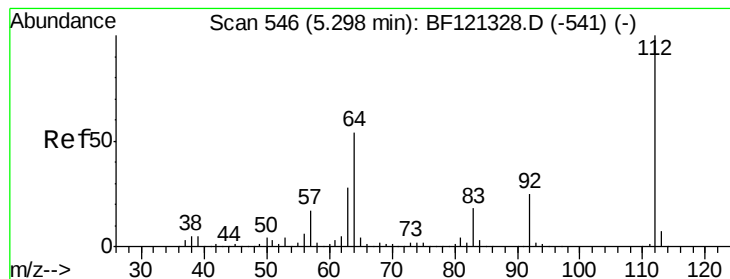


#4

n-Nitrosodimethylamine
 Concen: 4.296 ng
 RT: 2.95 min Scan# 147
 Delta R.T. -0.02 min
 Lab File: BF121407.D
 Acq: 24 Aug 2020 19:25

Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	114.2	171.2#
44	46.9	5.4	8.2#





#5

2-Fluorophenol

Concen: 27.081 ng

RT: 5.32 min Scan# 550

Delta R.T. 0.02 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

Instrument :

BNA_F

ClientSampleId :

EFF-WW

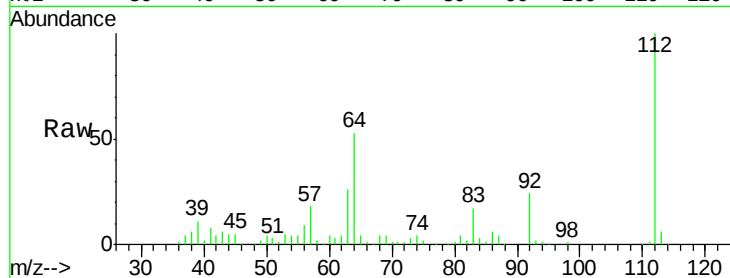
Tot Ion:112 Resp: 261933

Ion Ratio Lower Upper

112 100

64 53.1 43.5 65.3

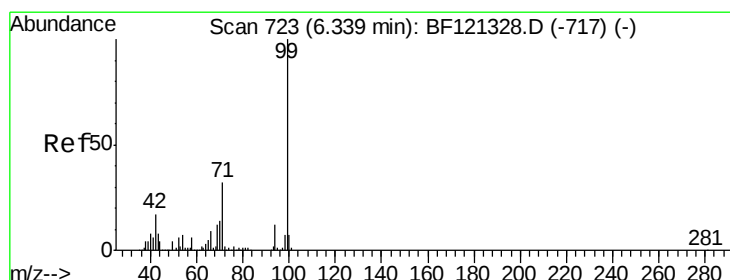
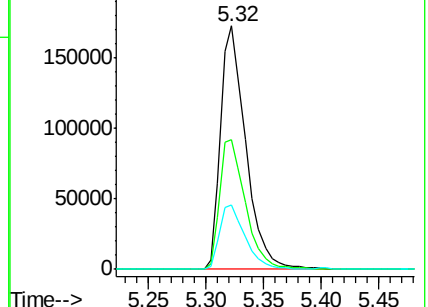
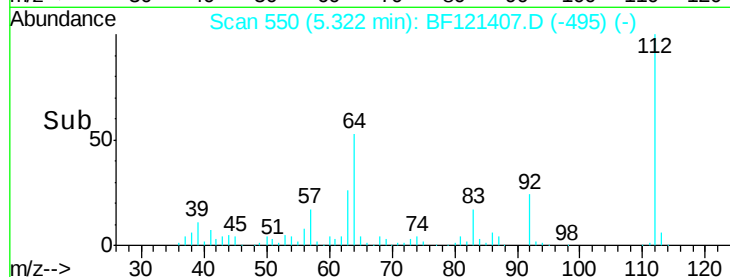
63 26.4 22.0 33.0



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 3.423 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.02 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

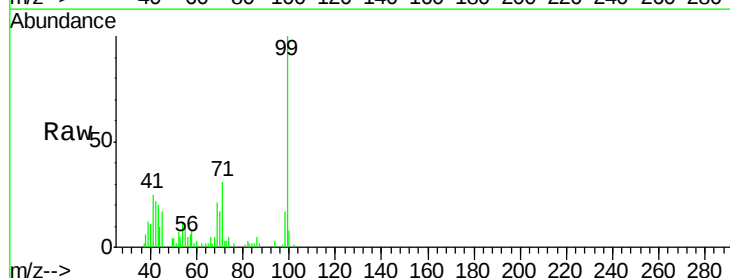
Tgt Ion: 99 Resp: 42265

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

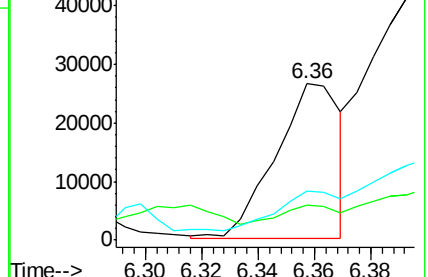
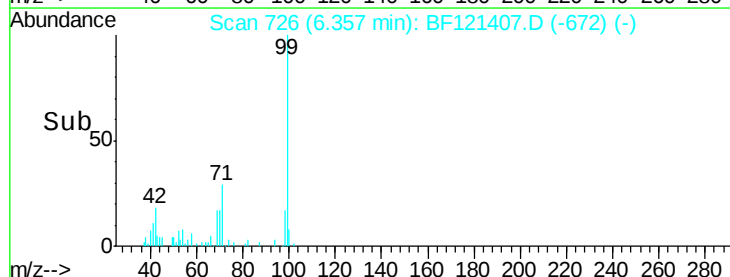
71 31.3 25.2 37.8

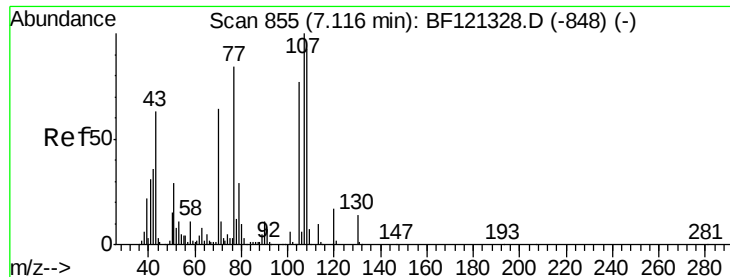


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

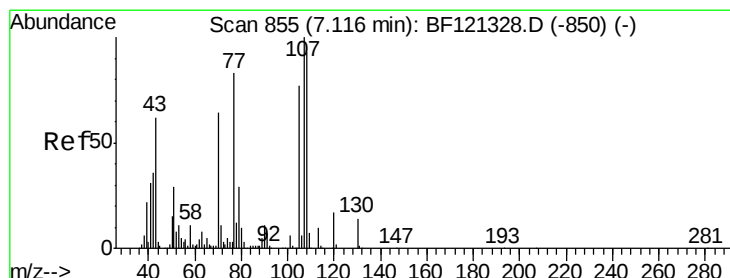
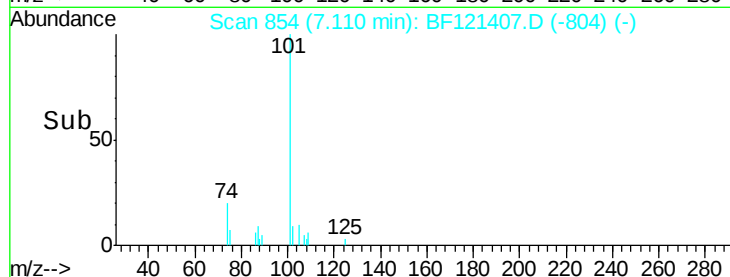
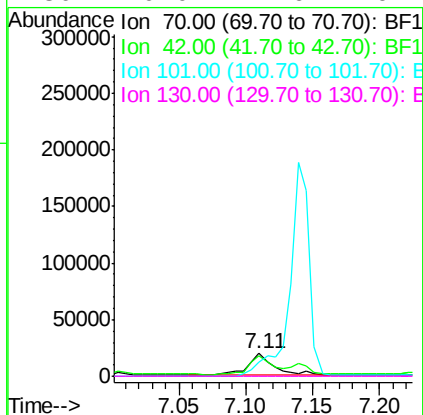
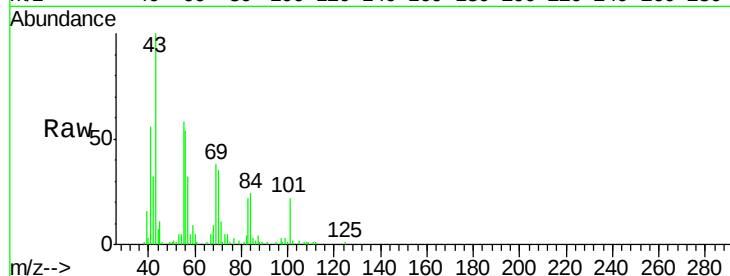




#19
n-Nitroso-di-n-propylamine
Concen: 3.904 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF121407.D
Acq: 24 Aug 2020 19:25

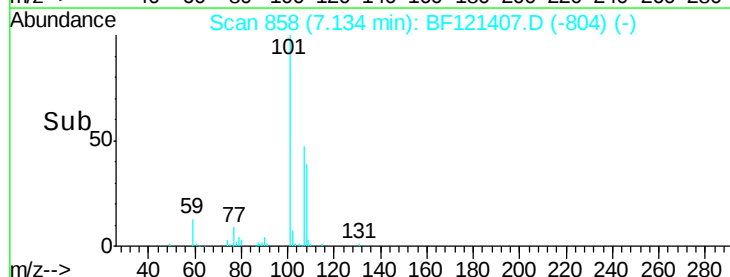
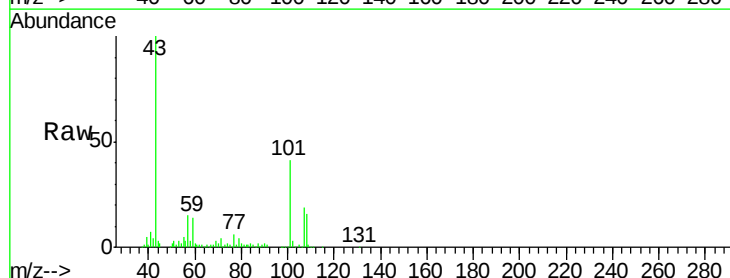
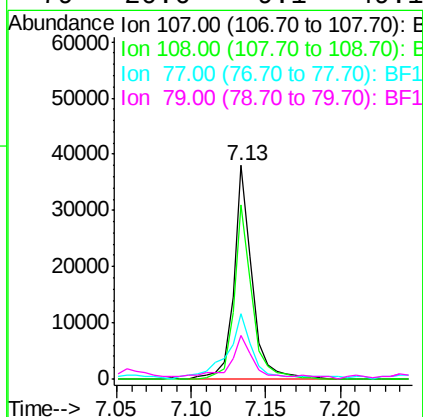
Instrument :
BNA_F
ClientSampleId :
EFF-WW

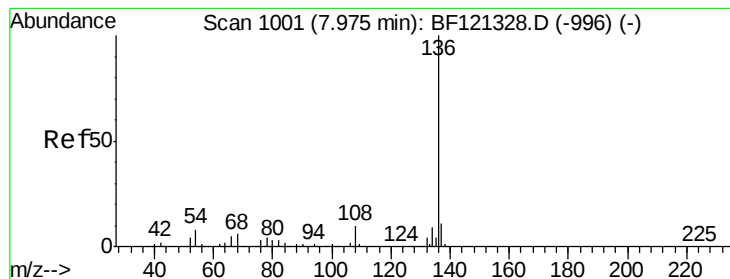
Tot Ion	Ratio	Lower	Upper
70	100		
42	91.2	45.2	67.8#
101	61.4	7.7	11.5#
130	0.0	17.6	26.4#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.13 min Scan# 858
Delta R.T. 0.02 min
Lab File: BF121407.D
Acq: 24 Aug 2020 19:25

Tgt Ion	Ratio	Lower	Upper
107	100		
108	81.4	72.6	112.6
77	30.4	63.8	103.8#
79	20.6	9.1	49.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

Instrument :

BNA_F

ClientSampleId :

EFF-WW

Tot Ion:136 Resp: 169446

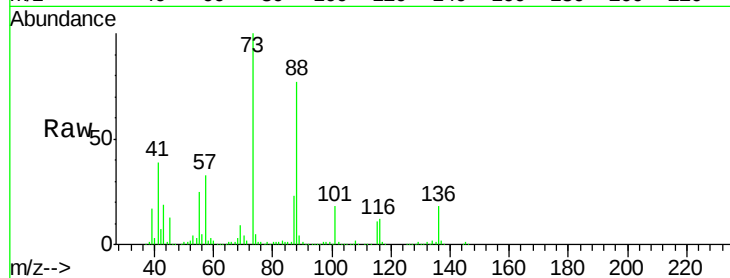
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 16.2 6.1 9.1#

68 15.7 5.0 7.4#

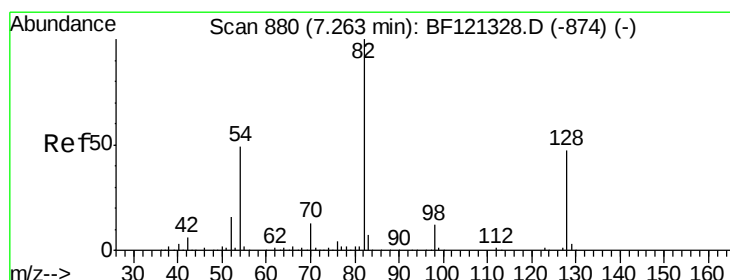
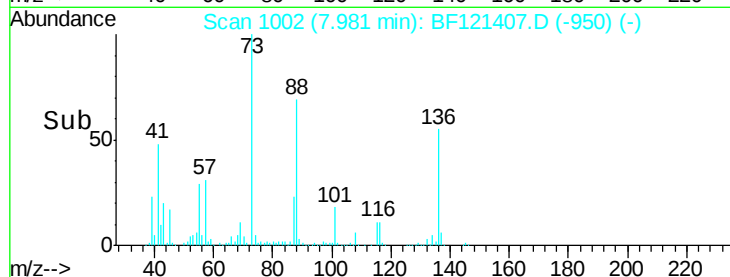
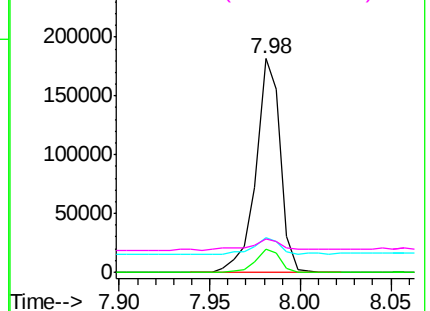


Abundance Ion 136.00 (135.70 to 136.70): E

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: 279.031 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.01 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

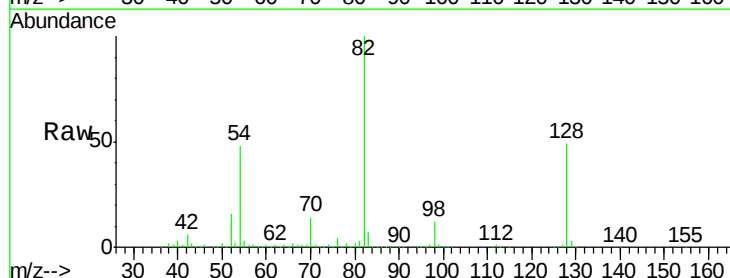
Tgt Ion: 82 Resp: 835996

Ion Ratio Lower Upper

82 100

128 49.5 37.9 56.9

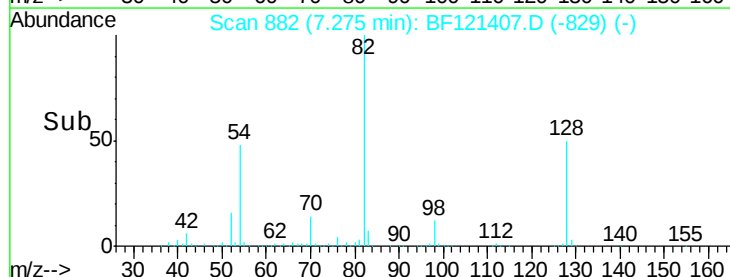
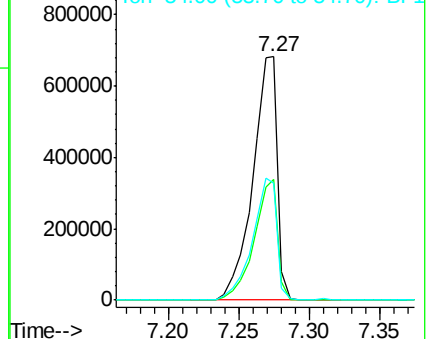
54 47.9 39.0 58.4

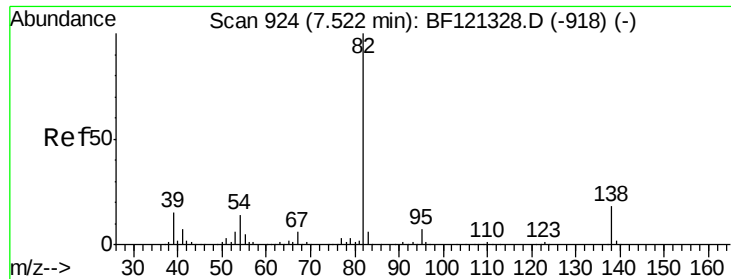


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 150.698 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.25 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

Instrument :

BNA_F

ClientSampleId :

EFF-WW

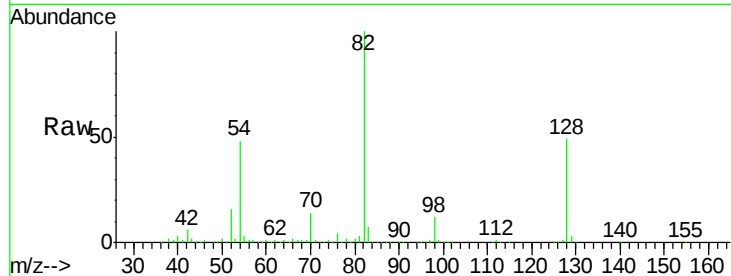
Tot Ion: 82 Resp: 821661

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

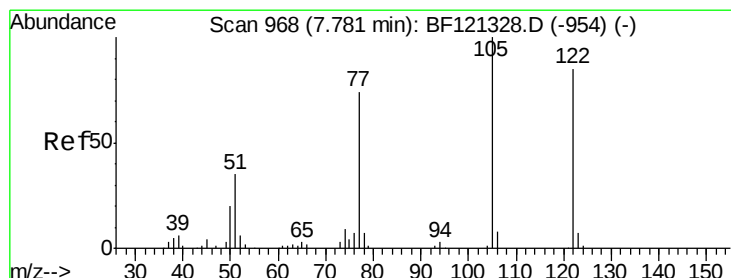
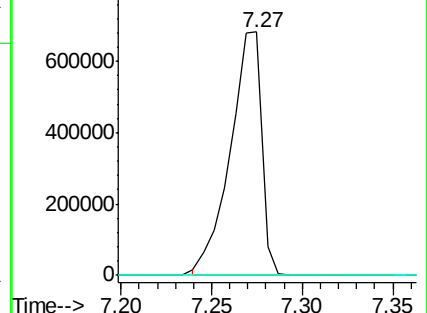
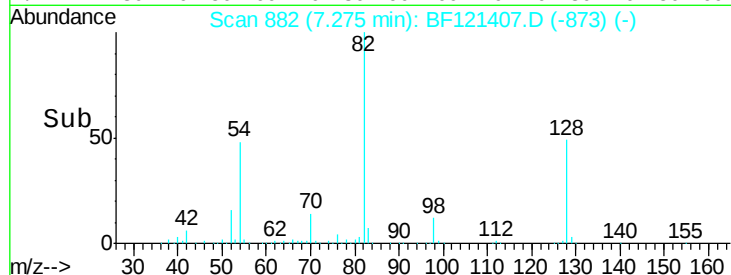
138 0.0 14.6 21.8#



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



#32

Benzoic acid

Concen: 8.248 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

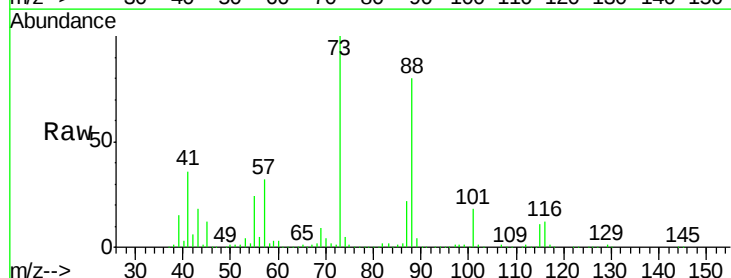
Tgt Ion:122 Resp: 2422

Ion Ratio Lower Upper

122 100

105 0.0 96.7 136.7#

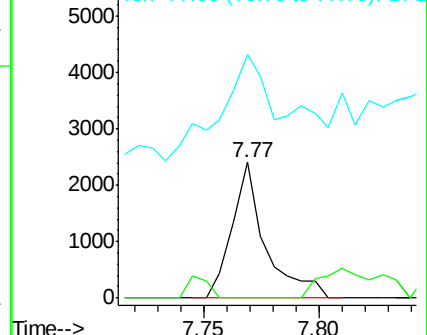
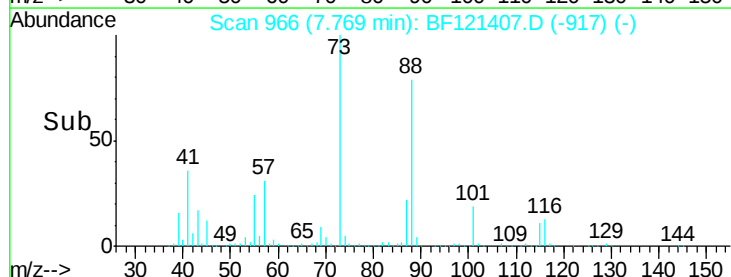
77 179.7 66.7 106.7#

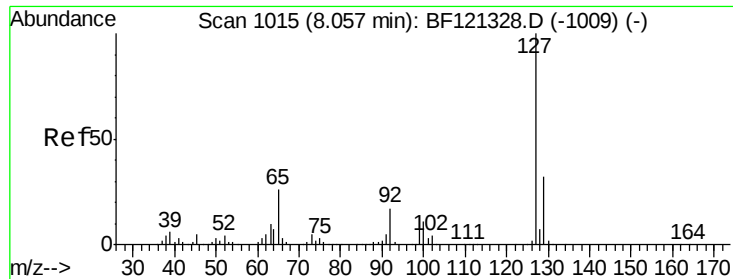


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

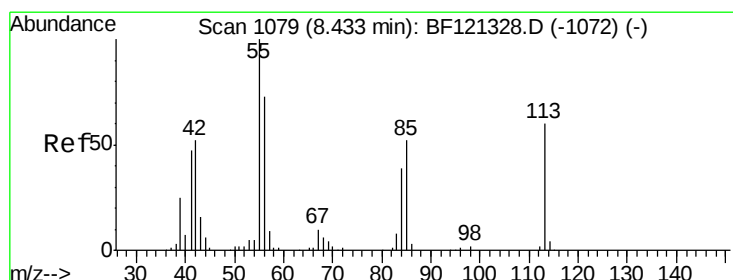
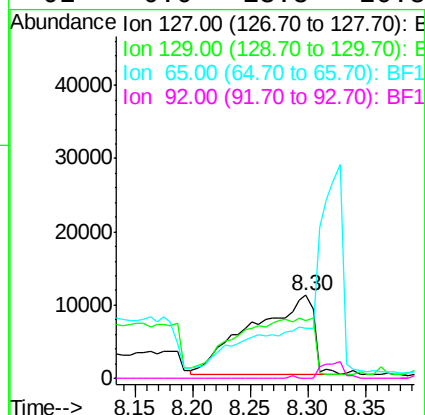
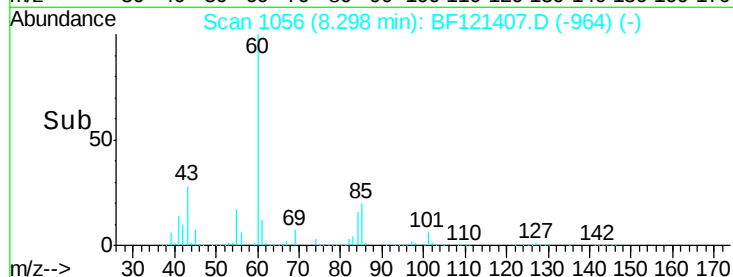
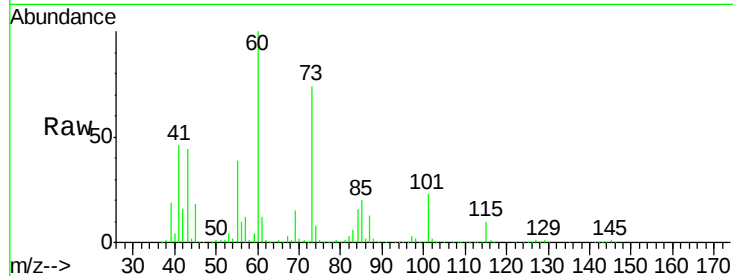




#33
4-Chloroaniline
Concen: 10.869 ng
RT: 8.30 min Scan# 1056
Delta R.T. 0.24 min
Lab File: BF121407.D
Acq: 24 Aug 2020 19:25

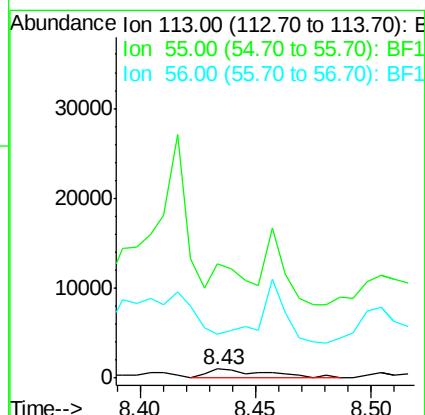
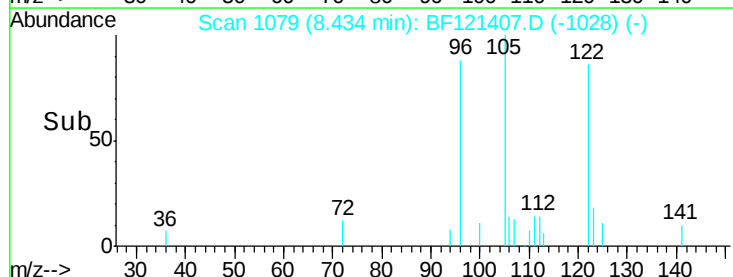
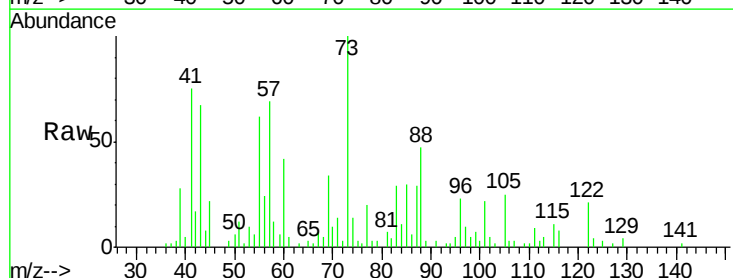
Instrument :
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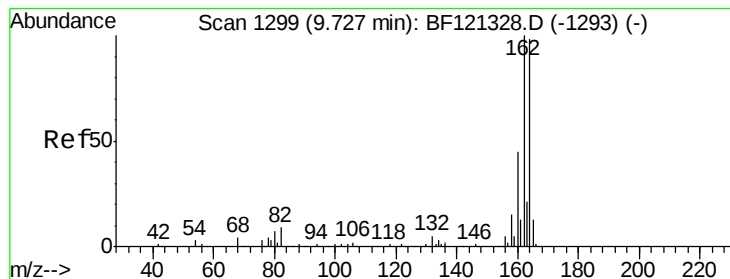
Tot Ion:127 Resp: 40587
Ion Ratio Lower Upper
127 100
129 69.7 25.7 38.5#
65 60.7 20.9 31.3#
92 0.0 13.8 20.8#



#35
Caprolactam
Concen: 2.224 ng
RT: 8.43 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BF121407.D
Acq: 24 Aug 2020 19:25

Tgt Ion:113 Resp: 1777
Ion Ratio Lower Upper
113 100
55 1303.3 147.9 187.9#
56 502.4 102.4 142.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

Instrument :

BNA_F

ClientSampleId :

EFF-WW

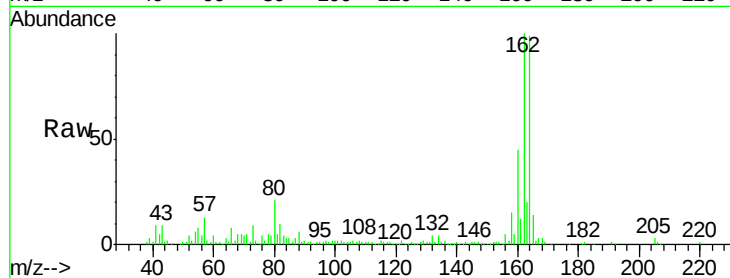
Tot Ion:164 Resp: 295332

Ion Ratio Lower Upper

164 100

162 101.1 81.7 122.5

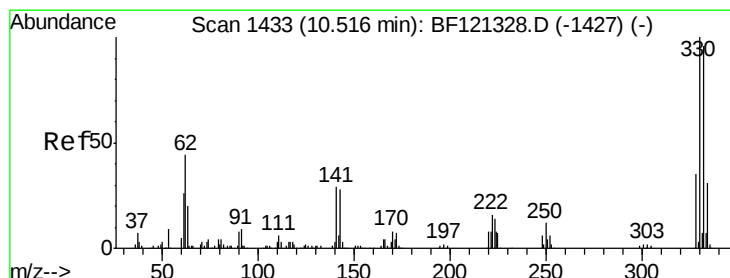
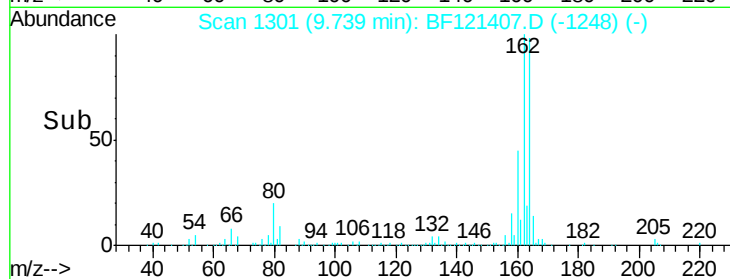
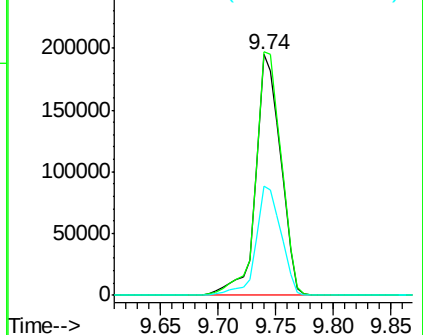
160 45.2 37.0 55.4



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: 47.489 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.02 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

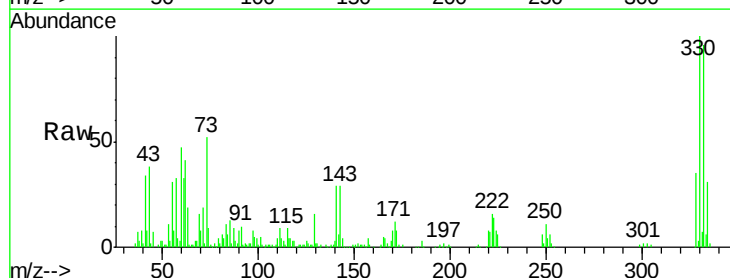
Tgt Ion:330 Resp: 163437

Ion Ratio Lower Upper

330 100

332 98.9 76.9 115.3

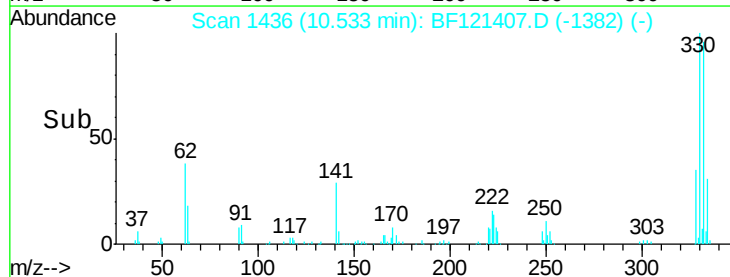
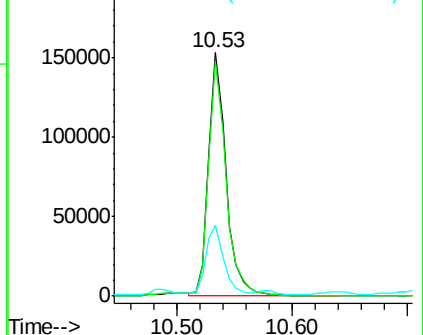
141 27.6 22.8 34.2

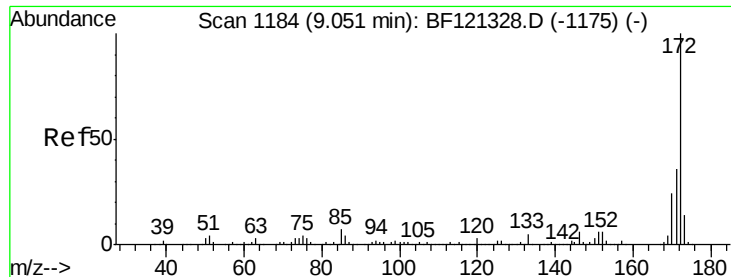


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



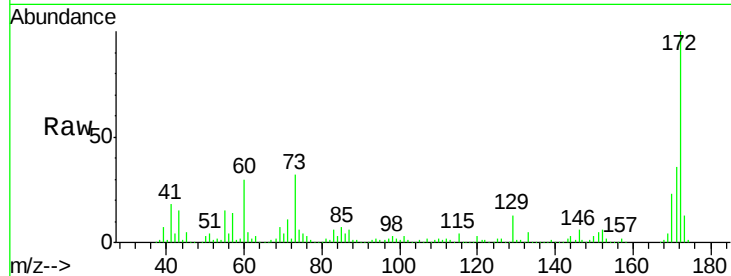


#45
 2-Fluorobiphenyl
 Concen: 75.573 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: BF121407.D
 Acq: 24 Aug 2020 19:25

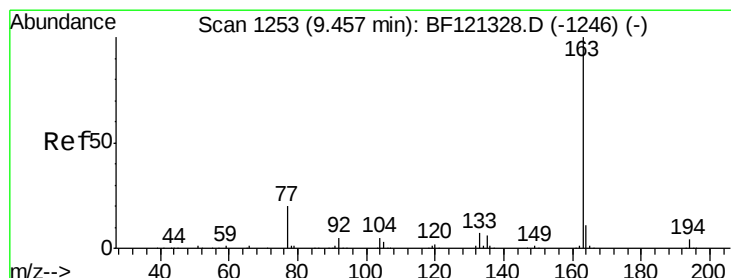
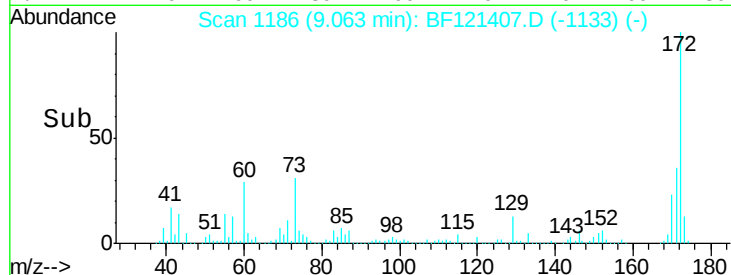
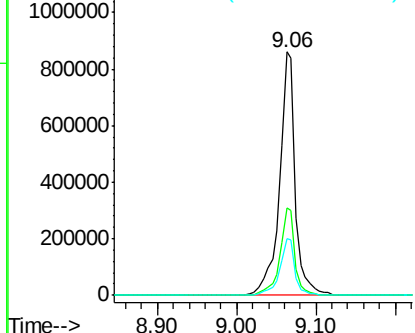
Instrument :
 BNA_F
 ClientSampled :
 EFF-WW

Tot Ion:172 Resp: 1184694

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	23.5	19.4	29.2



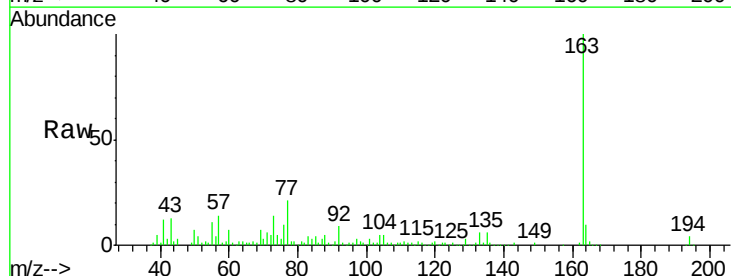
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



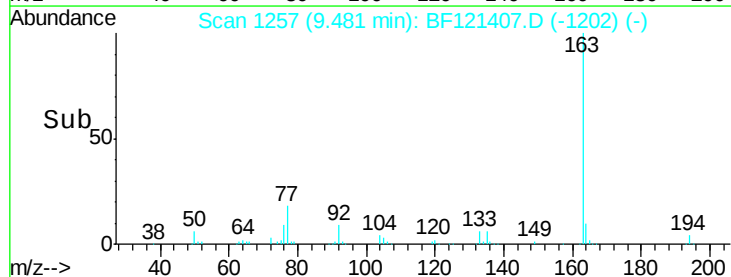
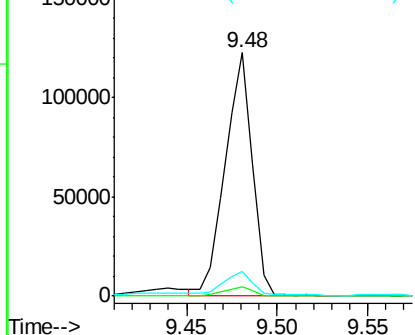
#50
 Dimethylphthalate
 Concen: 5.956 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. 0.02 min
 Lab File: BF121407.D
 Acq: 24 Aug 2020 19:25

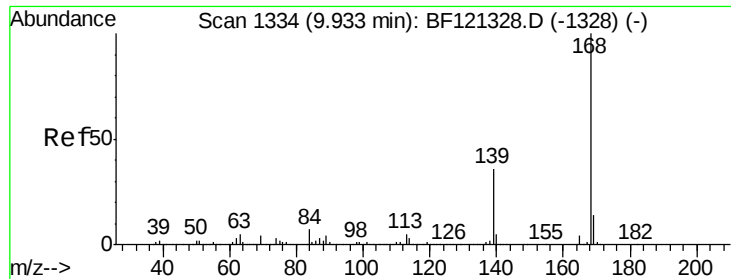
Tgt Ion:163 Resp: 127971

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.3	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

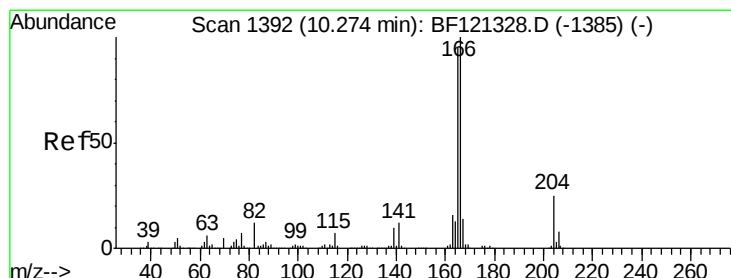
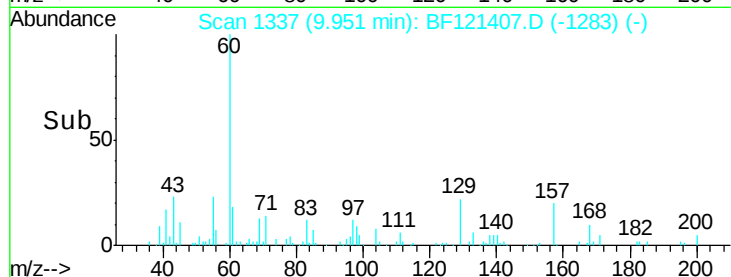
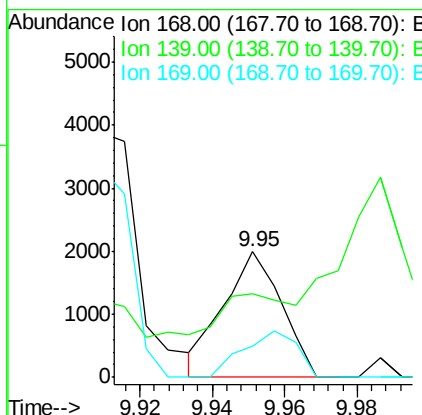
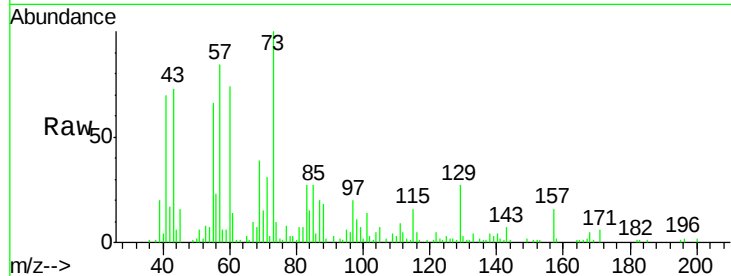




#55
Dibenzofuran
Concen: Below Cal
RT: 9.95 min Scan# 1337
Delta R.T. 0.02 min
Lab File: BF121407.D
Acq: 24 Aug 2020 19:25

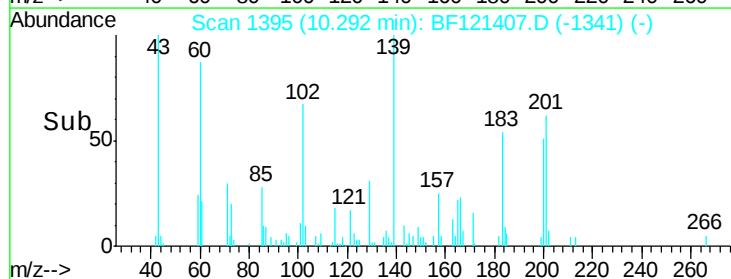
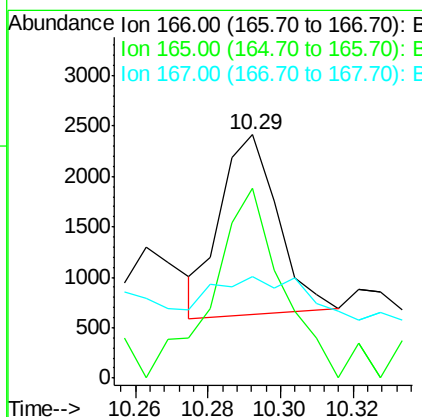
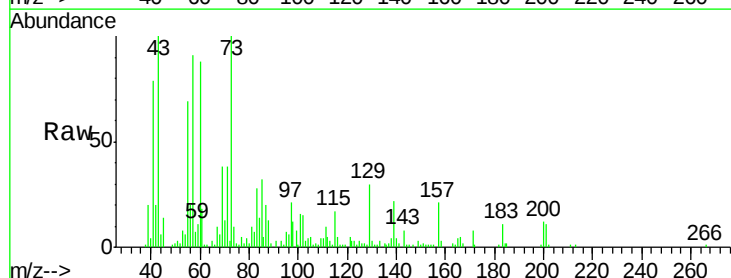
Instrument :
BNA_F
ClientSampleId :
EFF-WW

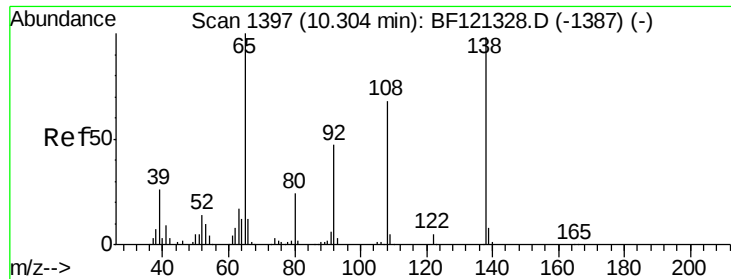
Tot Ion:168 Resp: 2204
Ion Ratio Lower Upper
168 100
139 66.9 29.1 43.7#
169 24.5 11.0 16.6#



#58
Fluorene
Concen: Below Cal
RT: 10.29 min Scan# 1395
Delta R.T. 0.02 min
Lab File: BF121407.D
Acq: 24 Aug 2020 19:25

Tgt Ion:166 Resp: 1978
Ion Ratio Lower Upper
166 100
165 77.8 75.8 113.8
167 41.9 11.0 16.4#





#62

4-Nitroaniline

Concen: 17.210 ng

RT: 10.18 min Scan# 1376

Delta R.T. -0.12 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

Instrument :

BNA_F

ClientSampleId :

EFF-WW

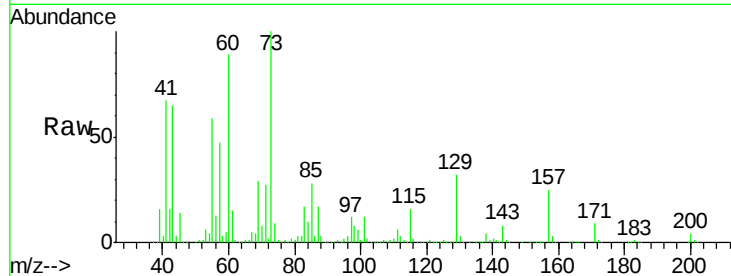
Tot Ion:138 Resp: 101224

Ion Ratio Lower Upper

138 100

92 2.0 28.1 68.1#

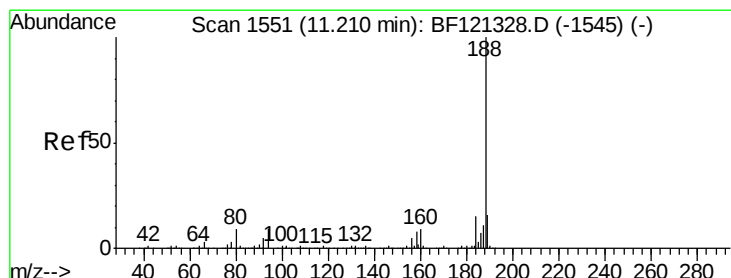
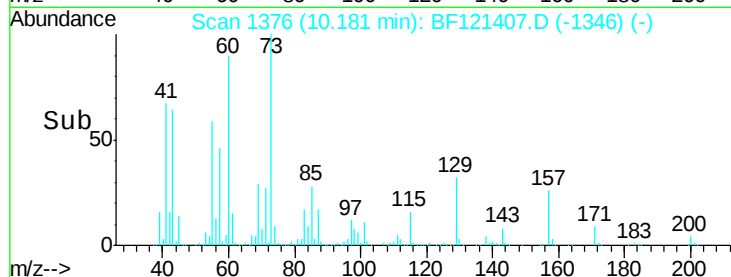
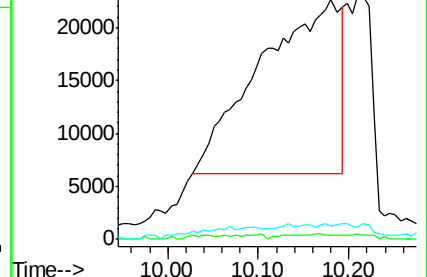
108 5.7 49.5 89.5#



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: 11.24 min Scan# 1556

Delta R.T. 0.03 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

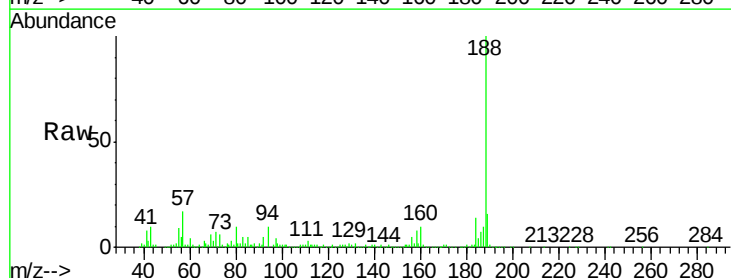
Tgt Ion:188 Resp: 456250

Ion Ratio Lower Upper

188 100

94 9.8 7.2 10.8

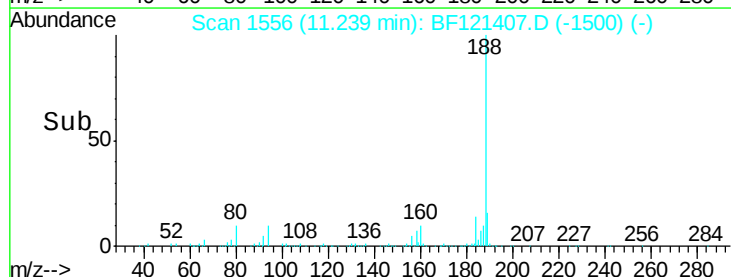
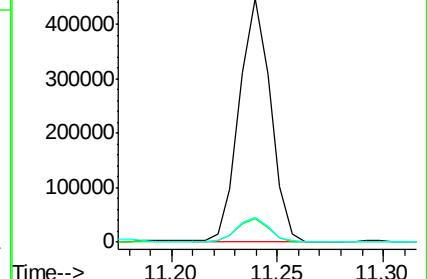
80 10.0 7.4 11.0

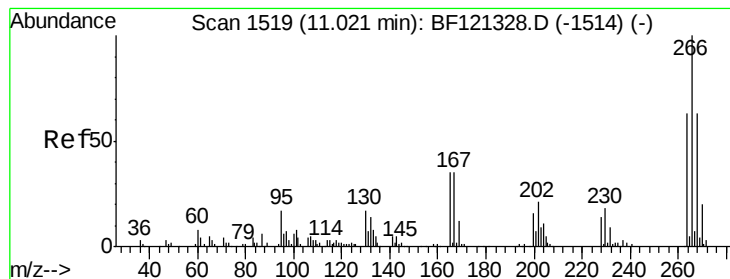


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Pentachlorophenol

Concen: 9.137 ng

RT: 11.07 min Scan# 1527

Delta R.T. 0.05 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

Instrument :

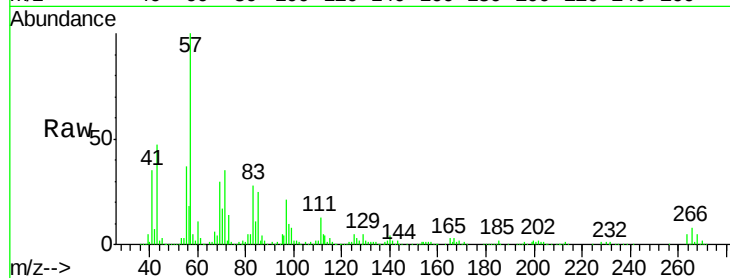
BNA_F

ClientSampleId :

EFF-WW

Tot Ion:266 Resp: 23716

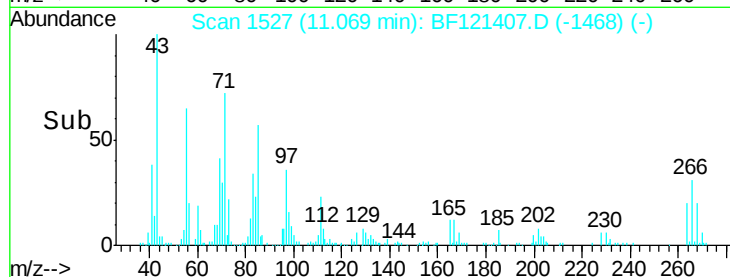
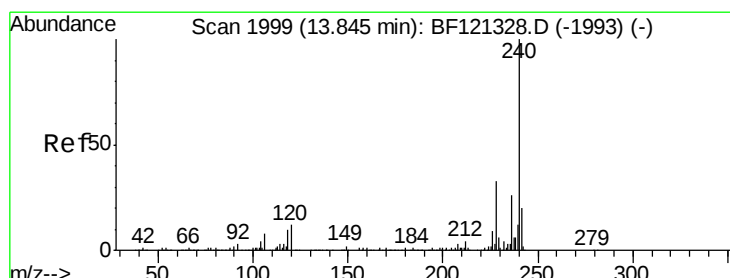
Ion	Ratio	Lower	Upper
266	100		
268	65.6	50.6	75.8
264	64.4	50.5	75.7



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

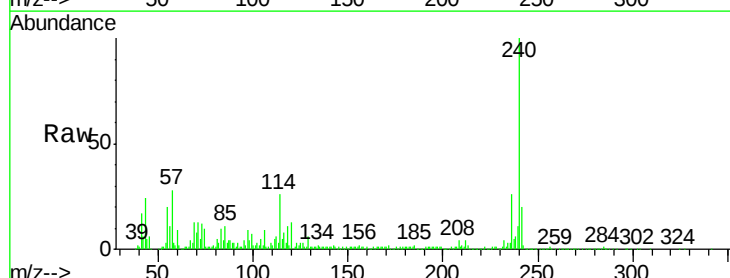
Delta R.T. 0.02 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

Tgt Ion:240 Resp: 322730

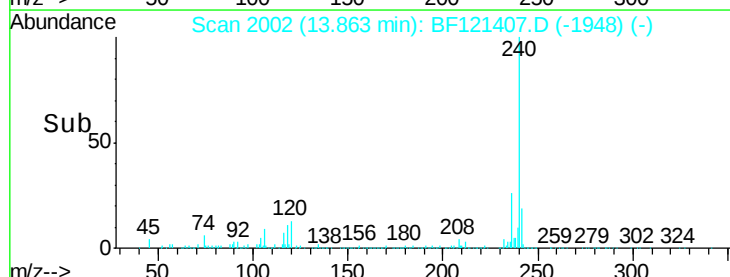
Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.6	14.4
236	25.6	20.6	31.0

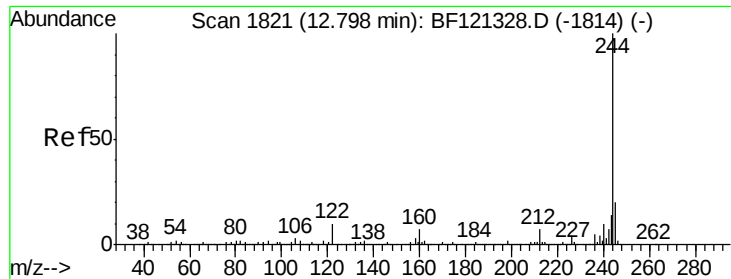


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 70.821 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.02 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

Instrument :

BNA_F

ClientSampleId :

EFF-WW

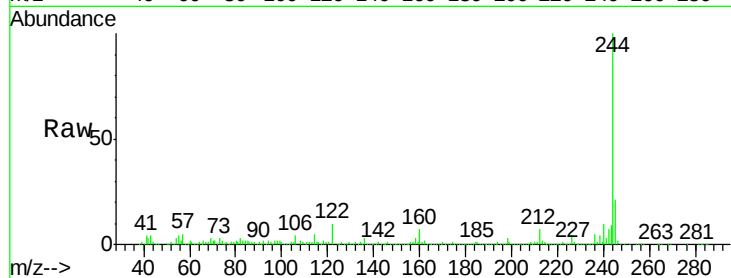
Tot Ion:244 Resp: 1169621

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

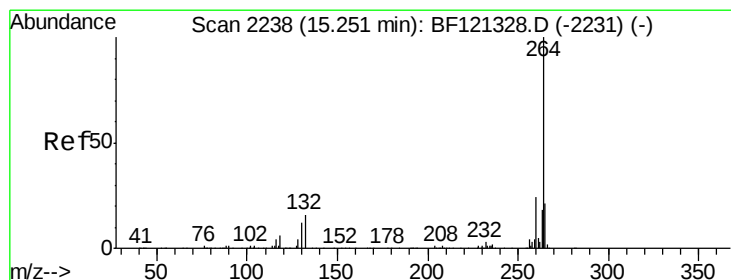
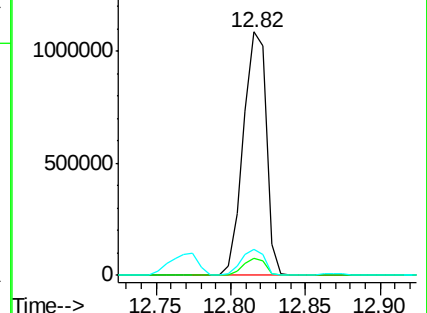
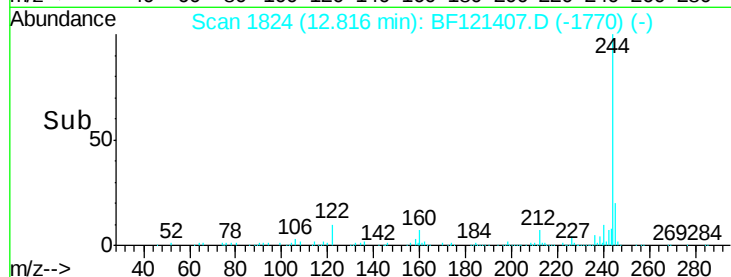
122 10.5 7.8 11.8



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.03 min

Lab File: BF121407.D

Acq: 24 Aug 2020 19:25

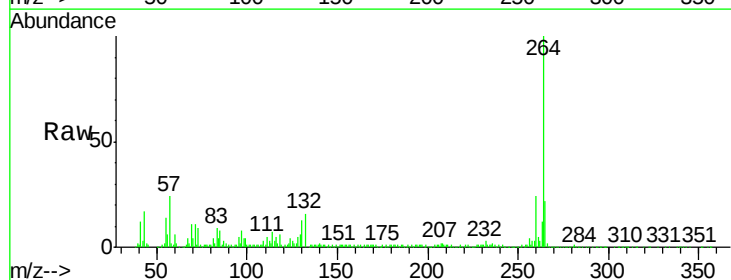
Tgt Ion:264 Resp: 348699

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 22.4 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

