

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091420\
 Data File : BF121567.D
 Acq On : 14 Sep 2020 18:35
 Operator : JU/CG
 Sample : L3953-01DL2 100X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N2930SDL2

Quant Time: Sep 15 00:47:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	209834	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	825298	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	429375	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	797021	20.00	ng	0.00
76) Chrysene-d12	13.99	240	593256	20.00	ng	0.00
86) Perylene-d12	15.44	264	460674	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	5637	0.40	ng	0.02
7) Phenol-d6	6.49	99	4162	0.22	ng	0.02
23) Nitrobenzene-d5	7.39	82	12127	0.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	5131	0.96	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	28222	1.00	ng	0.00
79) Terphenyl-d14	12.93	244	30298	1.03	ng	0.00

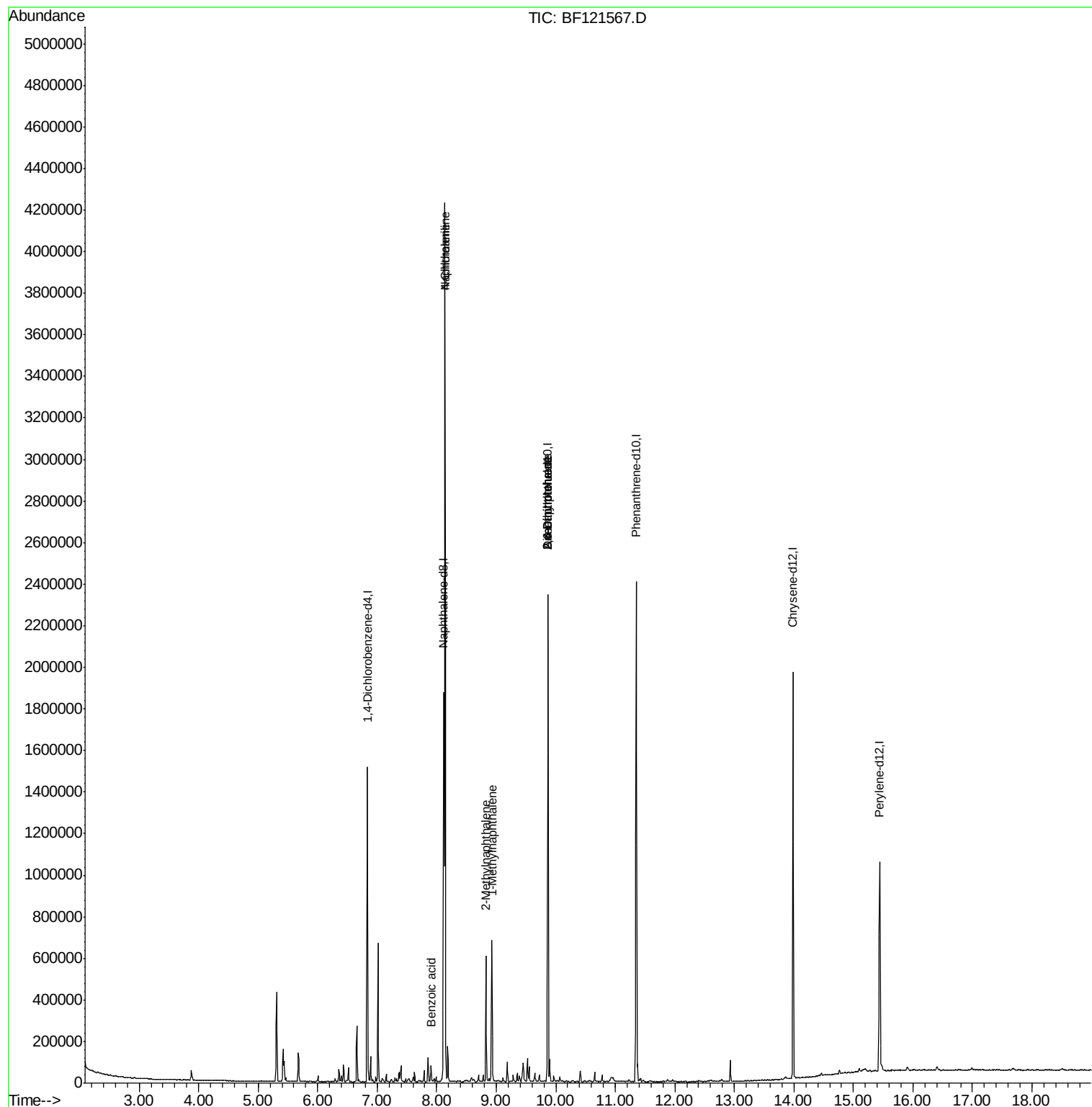
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.14	128	1691388	38.823	ng	99
32) Benzoic acid	7.92	122	899	7.010	ng	# 30
33) 4-Chloroaniline	8.14	127	228254	12.087	ng	# 34
37) 2-Methylnaphthalene	8.83	142	140637	4.926	ng	98
38) 1-Methylnaphthalene	8.93	142	176212	6.632	ng	97
50) Dimethylphthalate	9.87	163	96281	3.094	ng	# 1
51) 2,6-Dinitrotoluene	9.87	165	56842	8.577	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	56842	6.817	ng	# 23

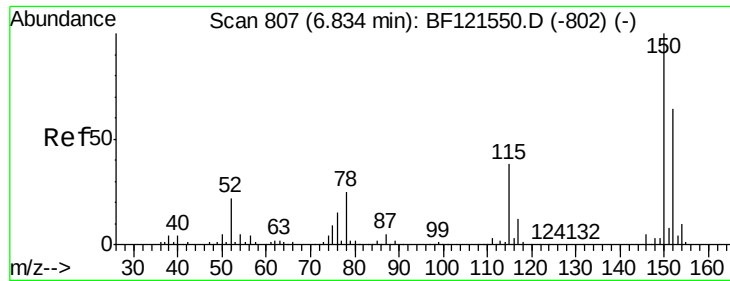
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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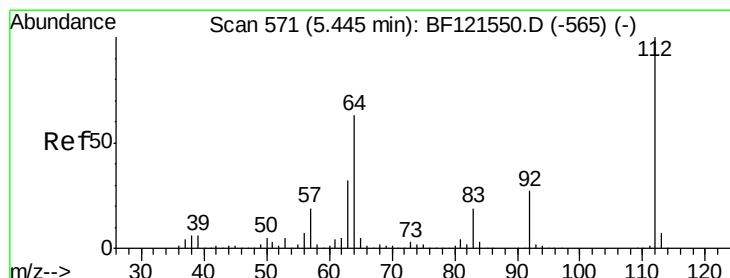
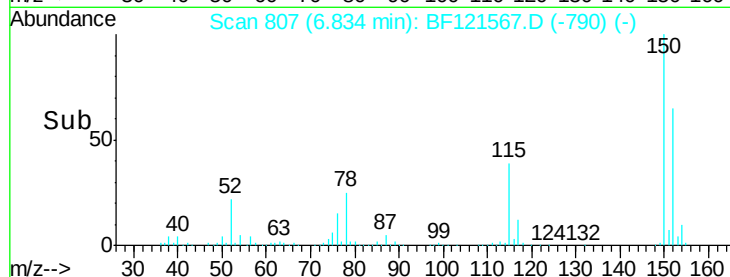
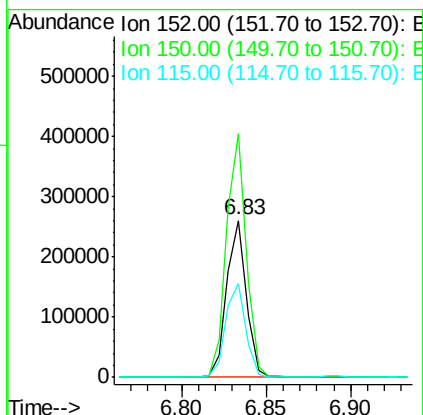
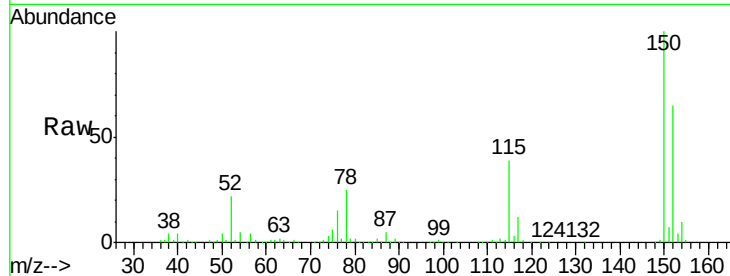


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF121567.D
Acq: 14 Sep 2020 18:35

Instrument :
BNA_F
ClientSampleId :
N2930SDL2

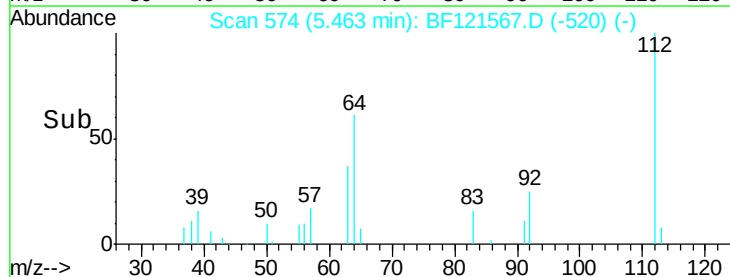
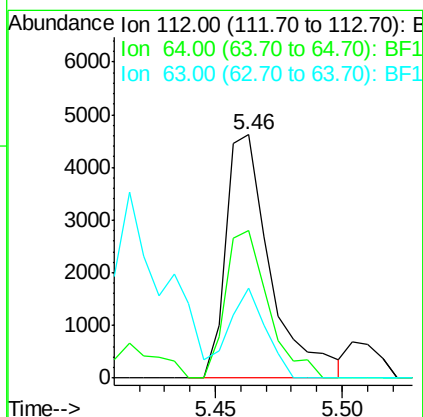
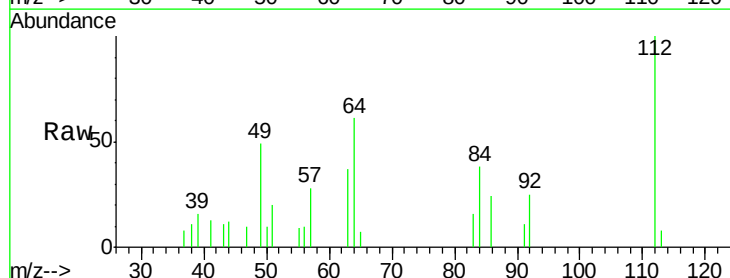
Tot Ion:152 Resp: 209834
Ion Ratio Lower Upper
152 100
150 154.9 125.8 188.6
115 59.9 47.8 71.8

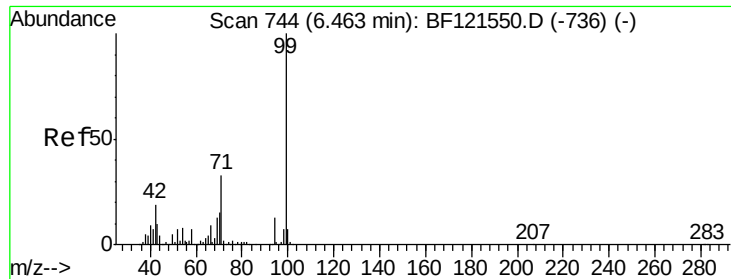


#5

2-Fluorophenol
Concen: 0.399 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.02 min
Lab File: BF121567.D
Acq: 14 Sep 2020 18:35

Tgt Ion:112 Resp: 5637
Ion Ratio Lower Upper
112 100
64 60.8 50.3 75.5
63 37.0 25.6 38.4





#7

Phenol-d6

Concen: 0.225 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.02 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

Instrument :

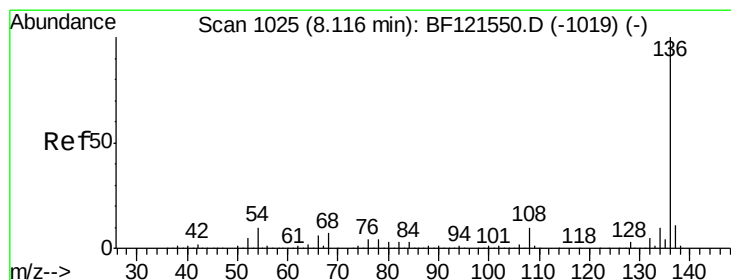
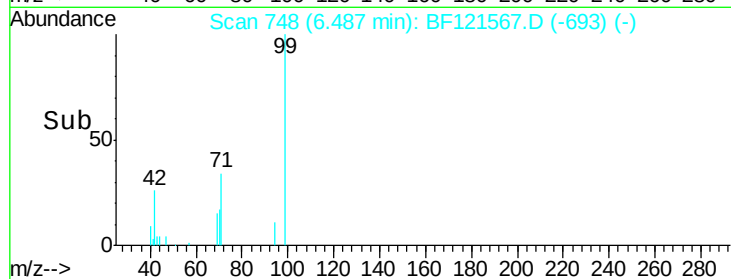
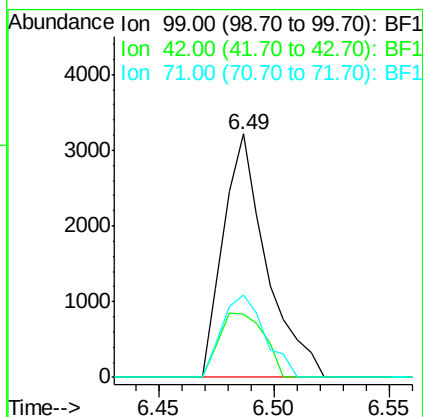
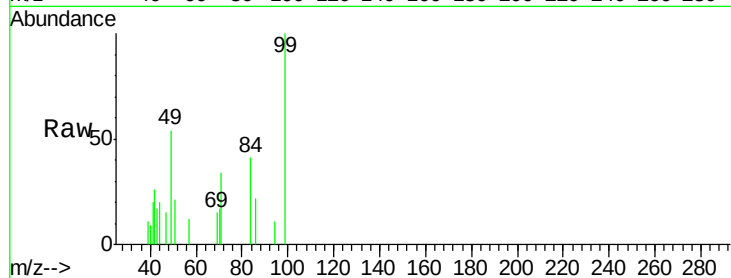
BNA_F

ClientSampleId :

N2930SDL2

Tot Ion: 99 Resp: 4162

Ion	Ratio	Lower	Upper
99	100		
42	25.8	15.5	23.3#
71	34.0	26.1	39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

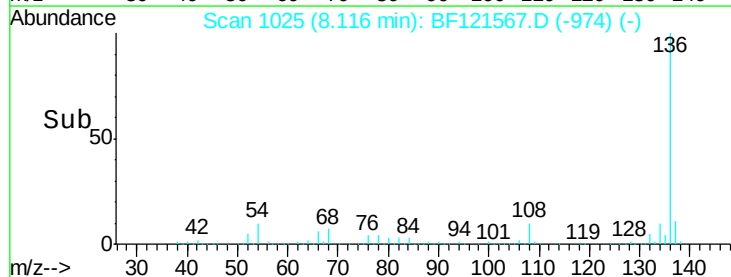
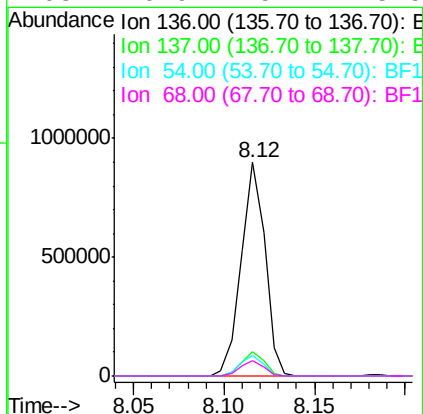
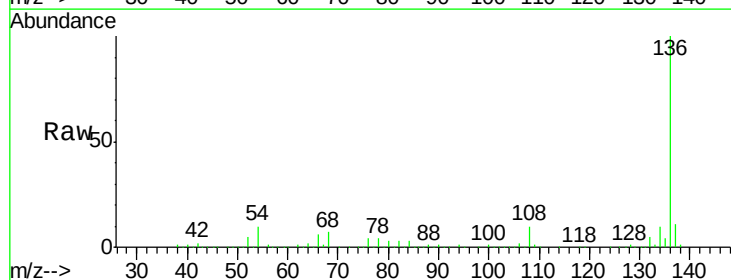
Delta R.T. -0.00 min

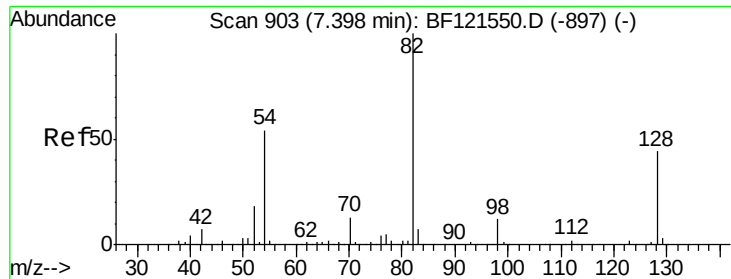
Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

Tgt Ion: 136 Resp: 825298

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	9.5	7.6	11.4
68	6.9	5.7	8.5

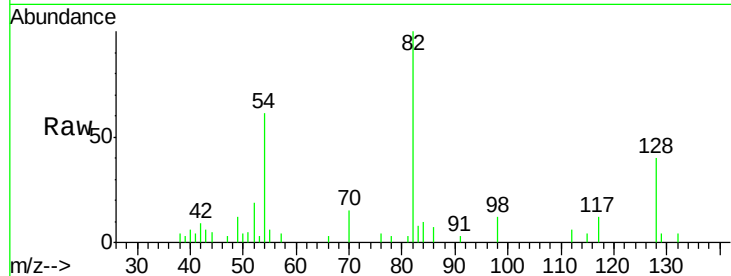




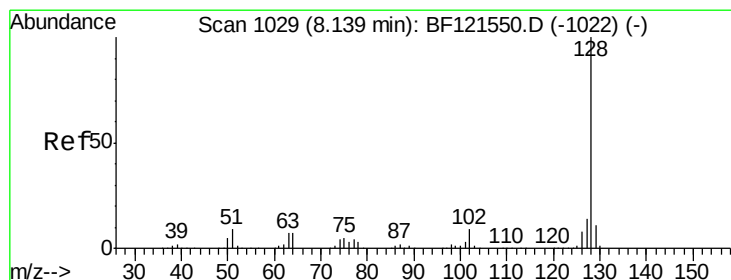
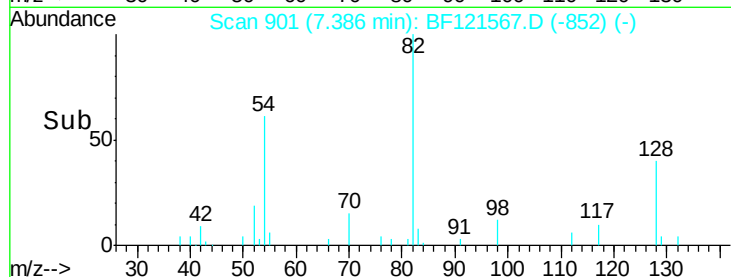
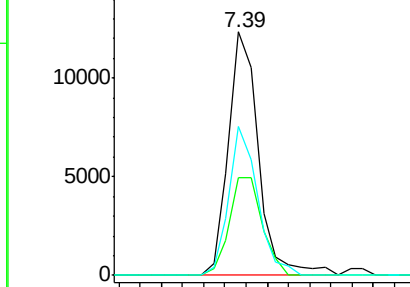
#23
 Nitrobenzene-d5
 Concen: 0.789 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF121567.D
 Acq: 14 Sep 2020 18:35

Instrument :
 BNA_F
 ClientSampleId :
 N2930SDL2

Tot Ion: 82 Resp: 12127
 Ion Ratio Lower Upper
 82 100
 128 40.0 35.1 52.7
 54 61.1 43.0 64.6

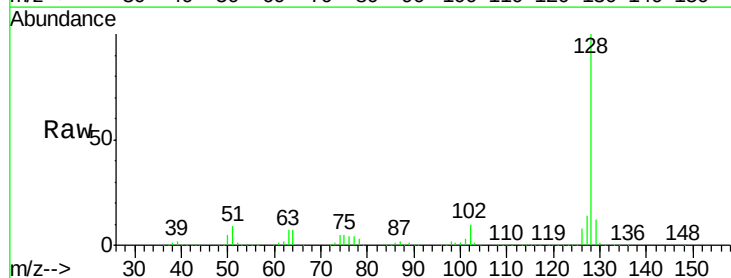


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

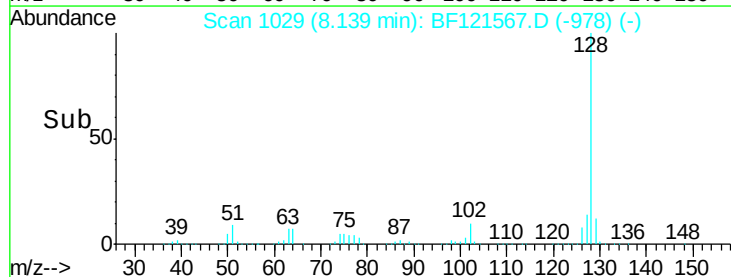
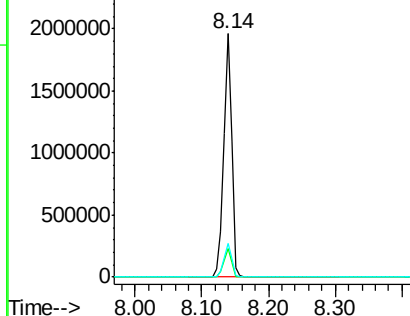


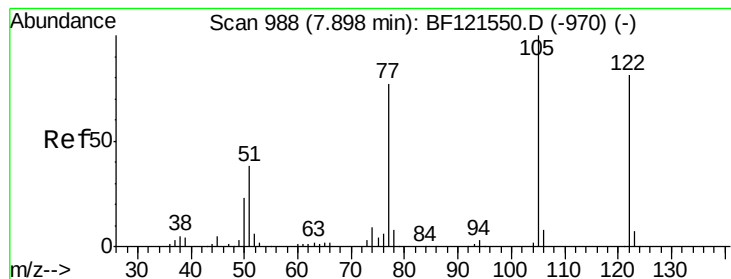
#31
 Naphthalene
 Concen: 38.823 ng
 RT: 8.14 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BF121567.D
 Acq: 14 Sep 2020 18:35

Tgt Ion: 128 Resp: 1691388
 Ion Ratio Lower Upper
 128 100
 129 11.7 9.1 13.7
 127 14.0 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 7.010 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.02 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

Instrument :

BNA_F

ClientSampleId :

N2930SDL2

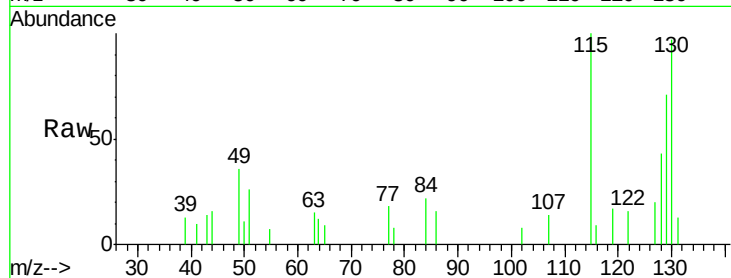
Tot Ion:122 Resp: 899

Ion Ratio Lower Upper

122 100

105 0.0 100.5 140.5#

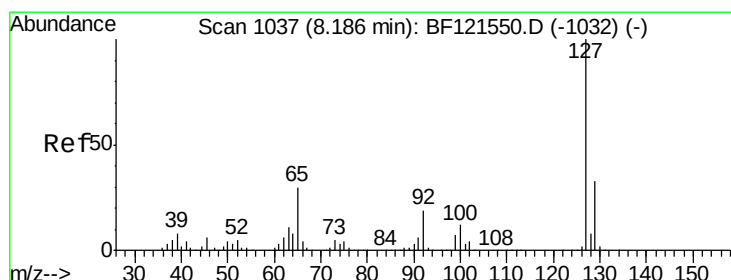
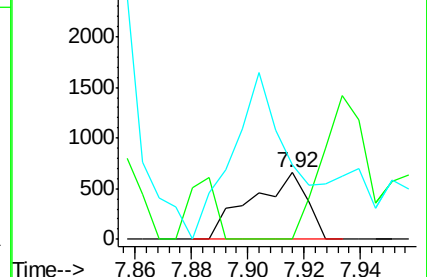
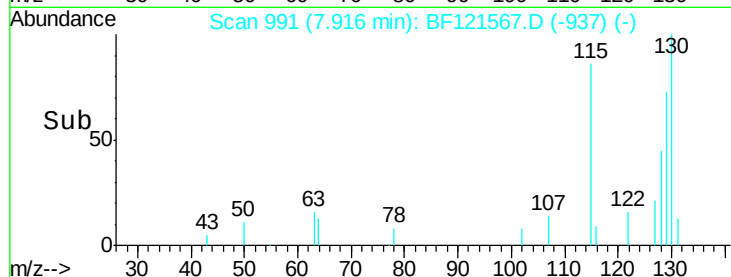
77 112.5 72.6 112.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 12.087 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.05 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

Tgt Ion:127 Resp: 228254

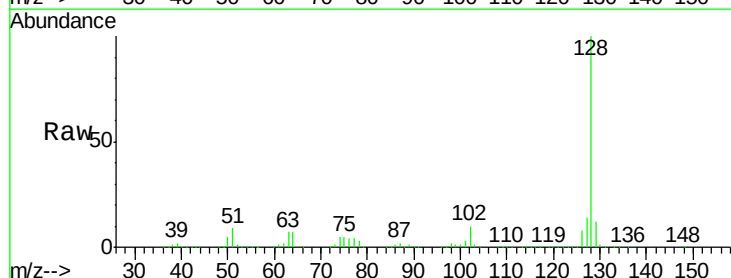
Ion Ratio Lower Upper

127 100

129 83.5 26.4 39.6#

65 0.0 24.4 36.6#

92 0.0 15.4 23.2#

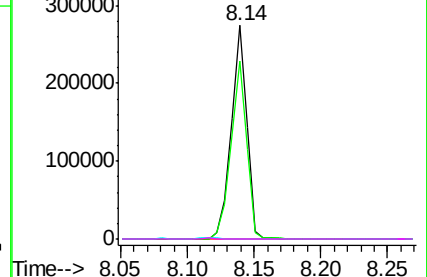
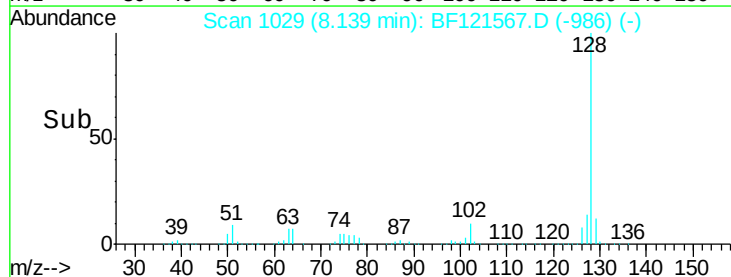


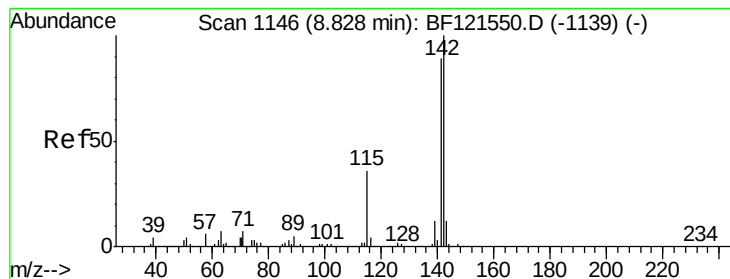
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#37

2-Methylnaphthalene

Concen: 4.926 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.00 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

Instrument :

BNA_F

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N2930SDL2

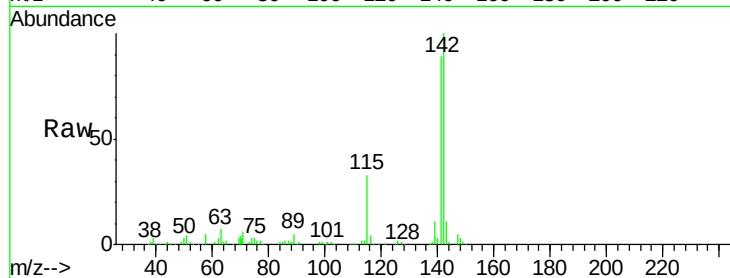
Tot Ion:142 Resp: 140637

Ion Ratio Lower Upper

142 100

141 89.1 71.5 107.3

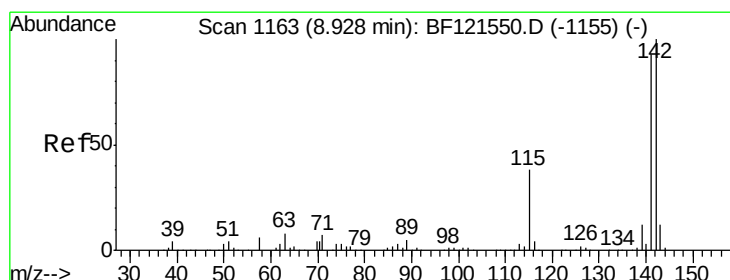
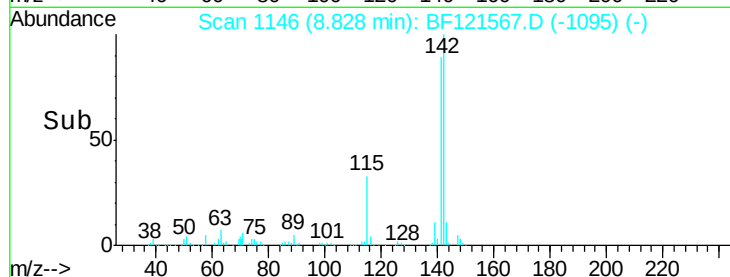
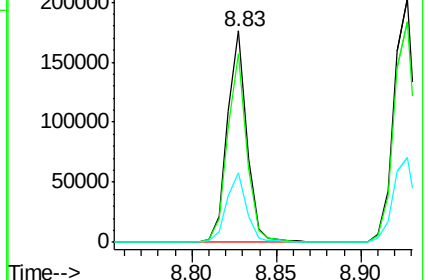
115 33.1 28.7 43.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 6.632 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

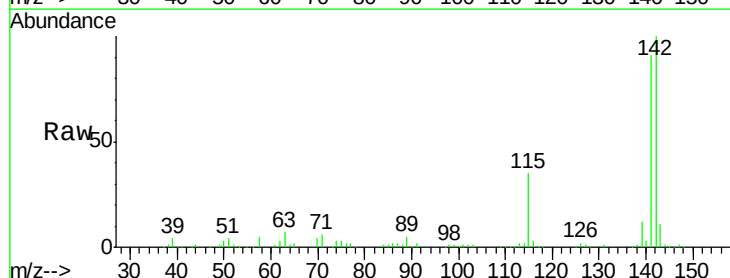
Tgt Ion:142 Resp: 176212

Ion Ratio Lower Upper

142 100

141 90.8 74.8 112.2

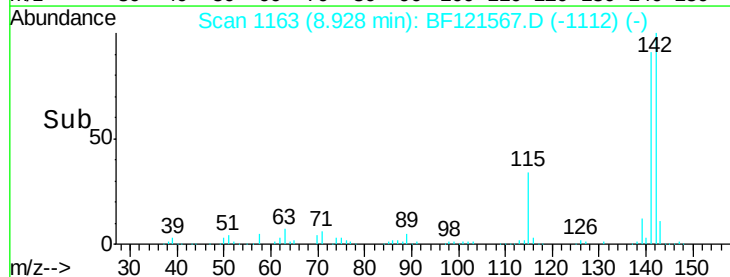
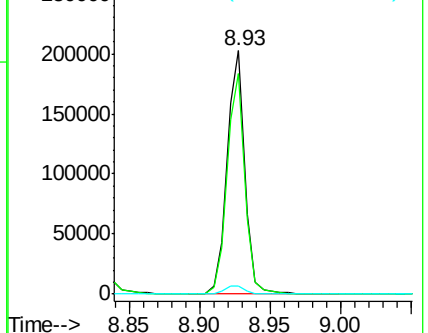
116 3.5 3.0 4.6

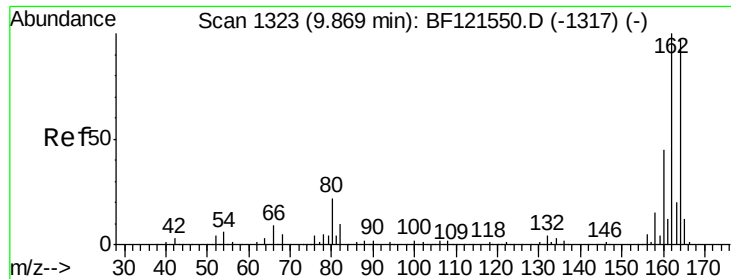


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

Instrument :

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ClientSampleId :

N2930SDL2

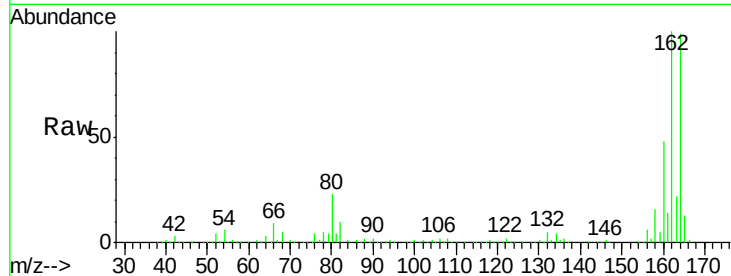
Tot Ion:164 Resp: 429375

Ion Ratio Lower Upper

164 100

162 101.0 82.3 123.5

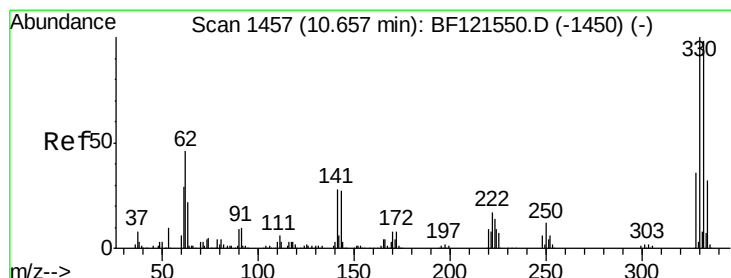
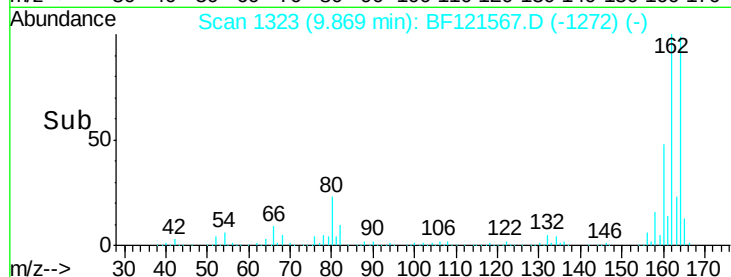
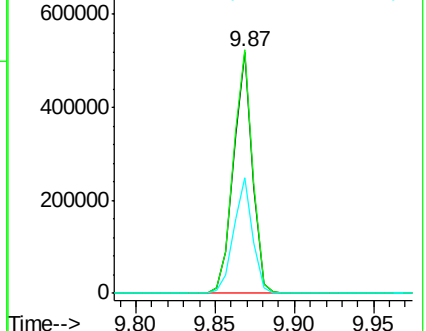
160 48.1 37.0 55.4



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: 0.961 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

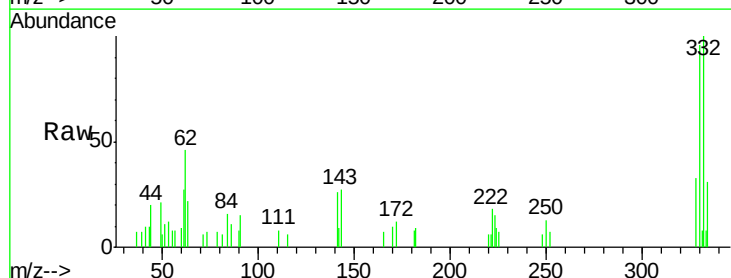
Tgt Ion:330 Resp: 5131

Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

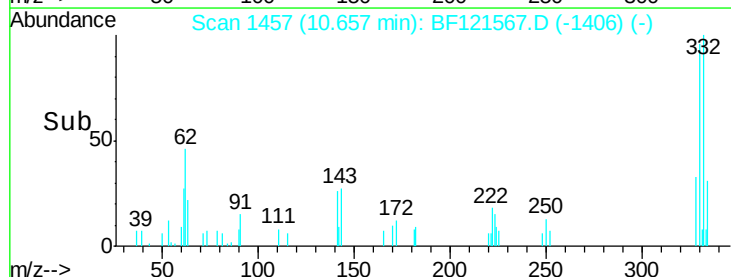
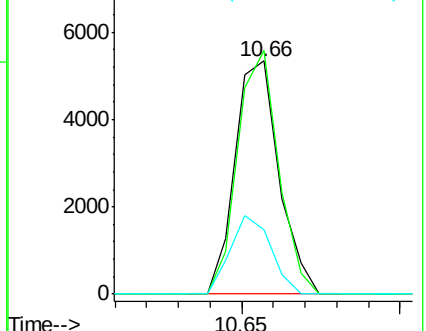
141 30.8 23.6 35.4

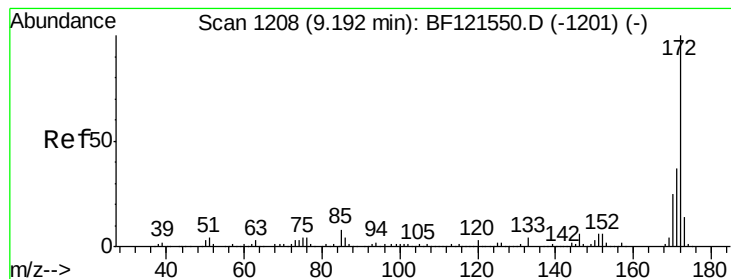


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 0.995 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

Instrument :

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ClientSampleId :

N2930SDL2

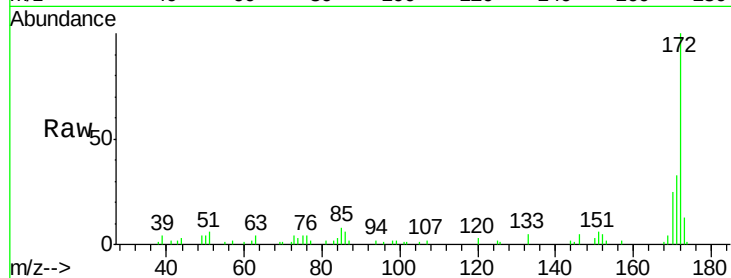
Tot Ion:172 Resp: 28222

Ion Ratio Lower Upper

172 100

171 33.3 29.8 44.6

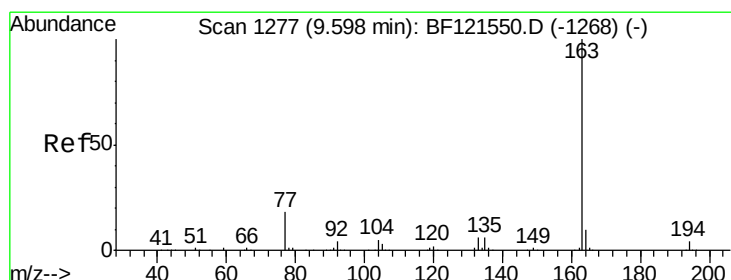
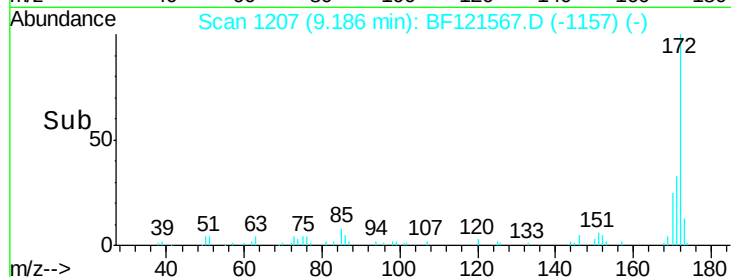
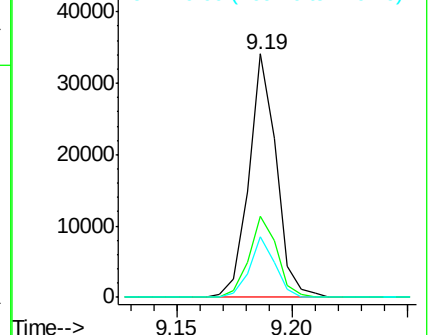
170 24.9 19.8 29.8



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: 3.094 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.27 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

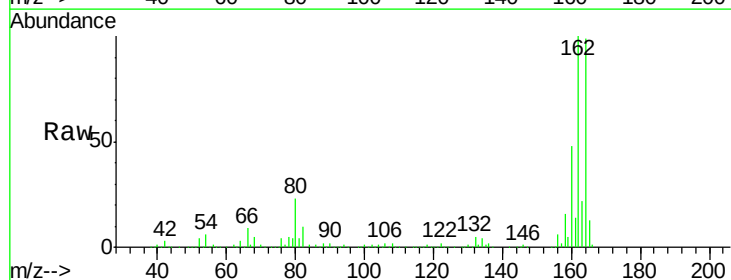
Tgt Ion:163 Resp: 96281

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.0#

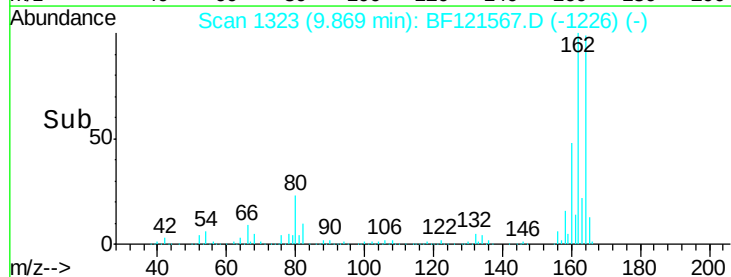
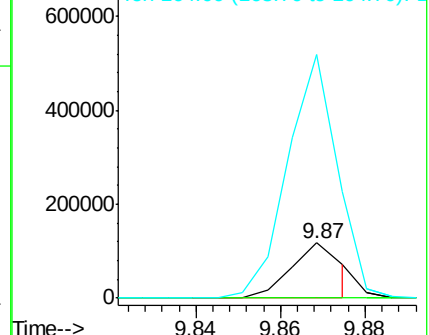
164 440.4 7.9 11.9#

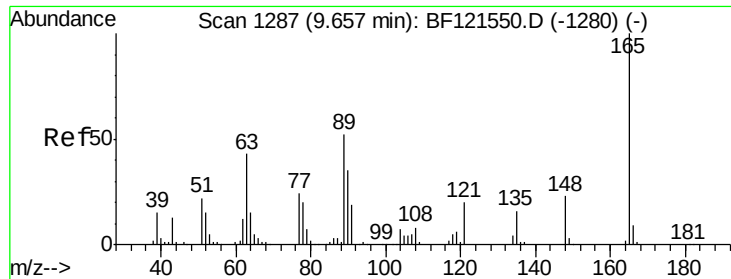


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

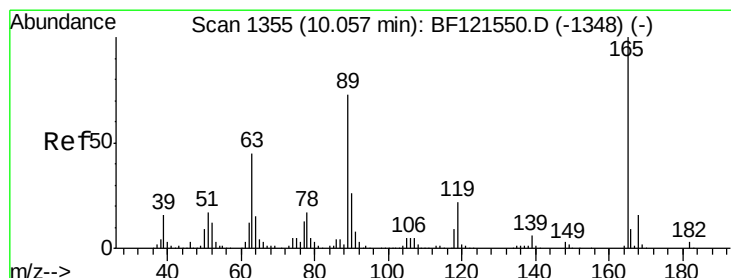
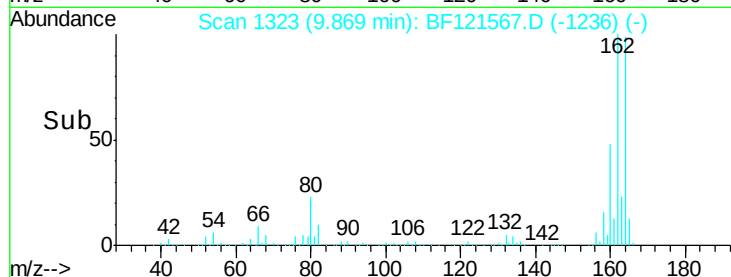
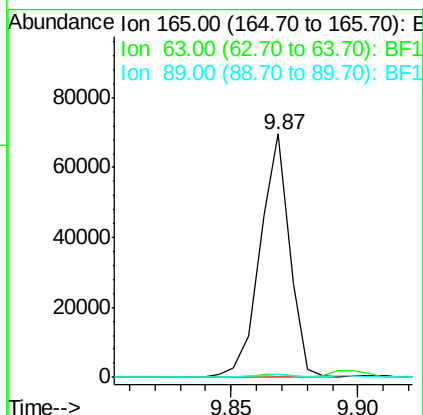
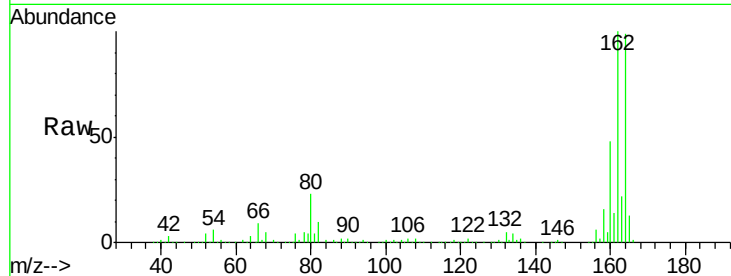




#51
 2,6-Dinitrotoluene
 Concen: 8.577 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.21 min
 Lab File: BF121567.D
 Acq: 14 Sep 2020 18:35

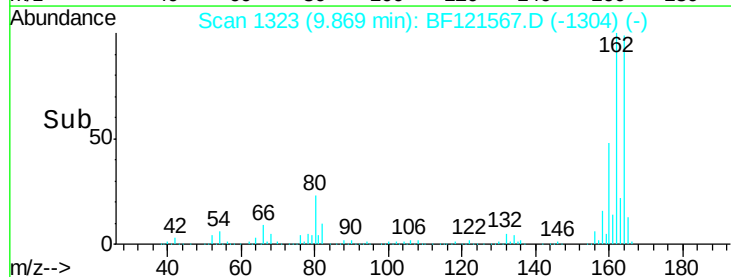
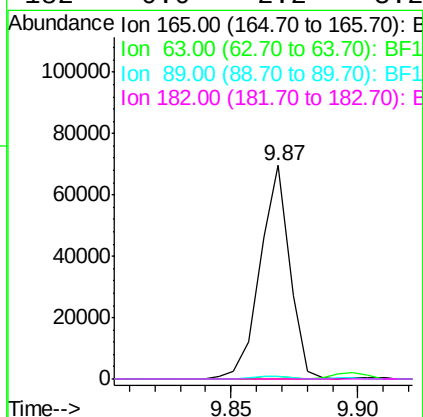
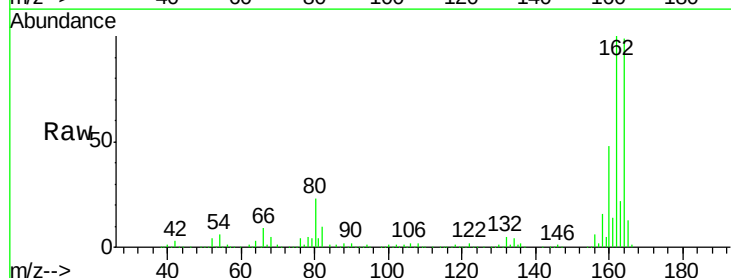
Instrument :
 BNA_F
 ClientSampleId :
 N2930SDL2

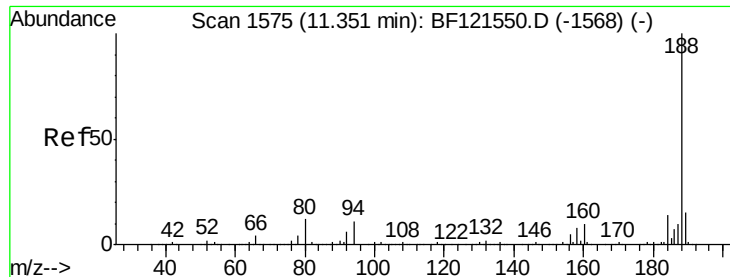
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.6	61.0#
89	1.2	41.8	62.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.817 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF121567.D
 Acq: 14 Sep 2020 18:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.2	54.4#
89	1.2	58.2	87.4#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

Instrument :

BNA_F

ClientSampleId :

N2930SDL2

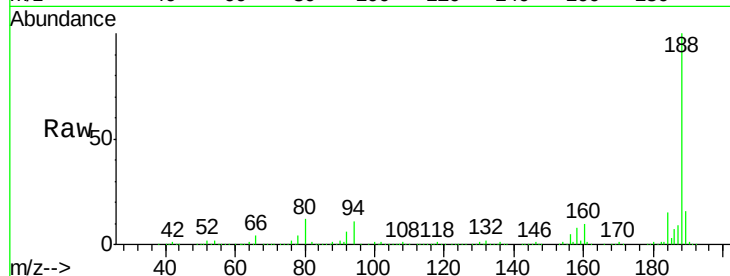
Tot Ion:188 Resp: 797021

Ion Ratio Lower Upper

188 100

94 11.4 8.7 13.1

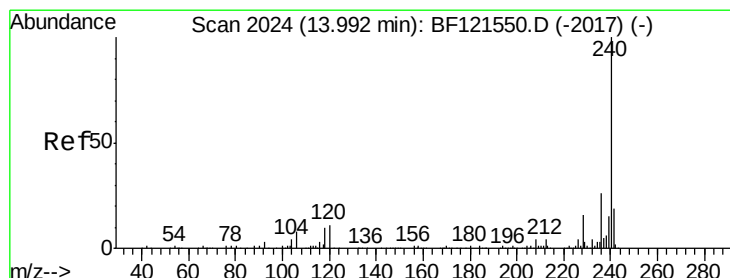
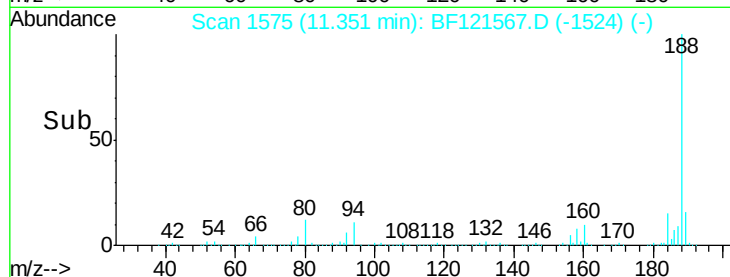
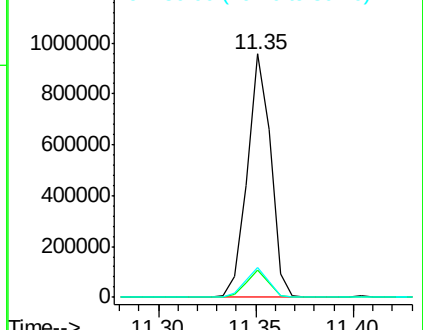
80 12.5 9.3 13.9



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

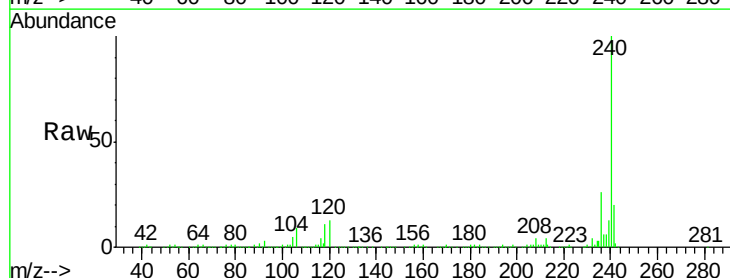
Tgt Ion:240 Resp: 593256

Ion Ratio Lower Upper

240 100

120 12.8 9.2 13.8

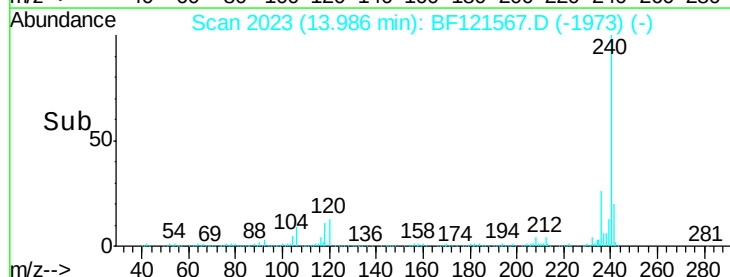
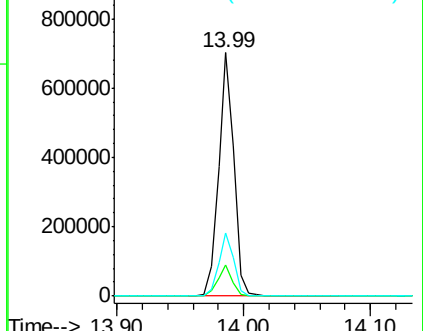
236 26.1 20.5 30.7

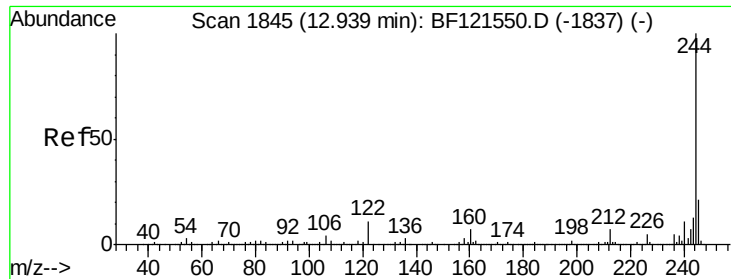


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 1.035 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

Instrument :

BNA_F

ClientSampleId :

N2930SDL2

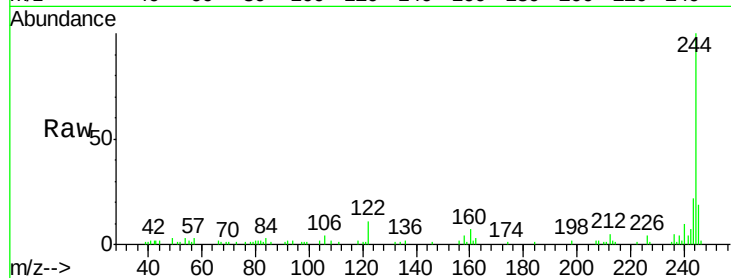
Tot Ion:244 Resp: 30298

Ion Ratio Lower Upper

244 100

212 5.4 5.7 8.5#

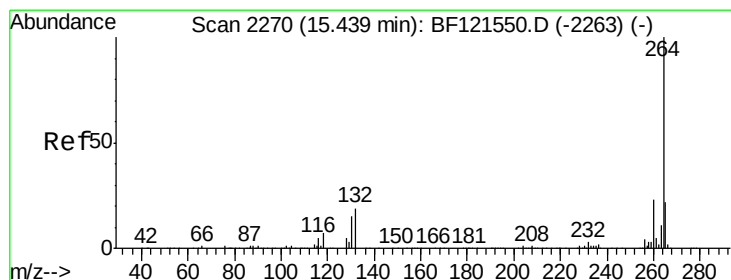
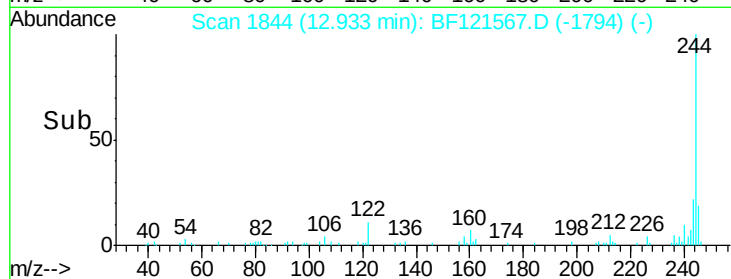
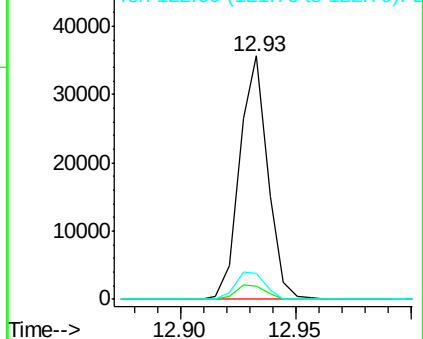
122 10.6 8.7 13.1



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.01 min

Lab File: BF121567.D

Acq: 14 Sep 2020 18:35

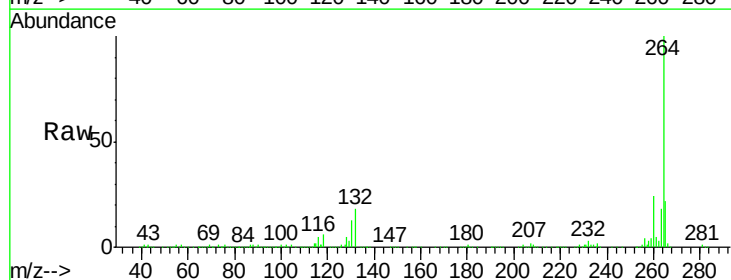
Tgt Ion:264 Resp: 460674

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.5 17.8 26.6



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

