

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116022.D
 Acq On : 6 Aug 2019 19:22
 Operator : HP/JU
 Sample : K4131-36
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:17:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

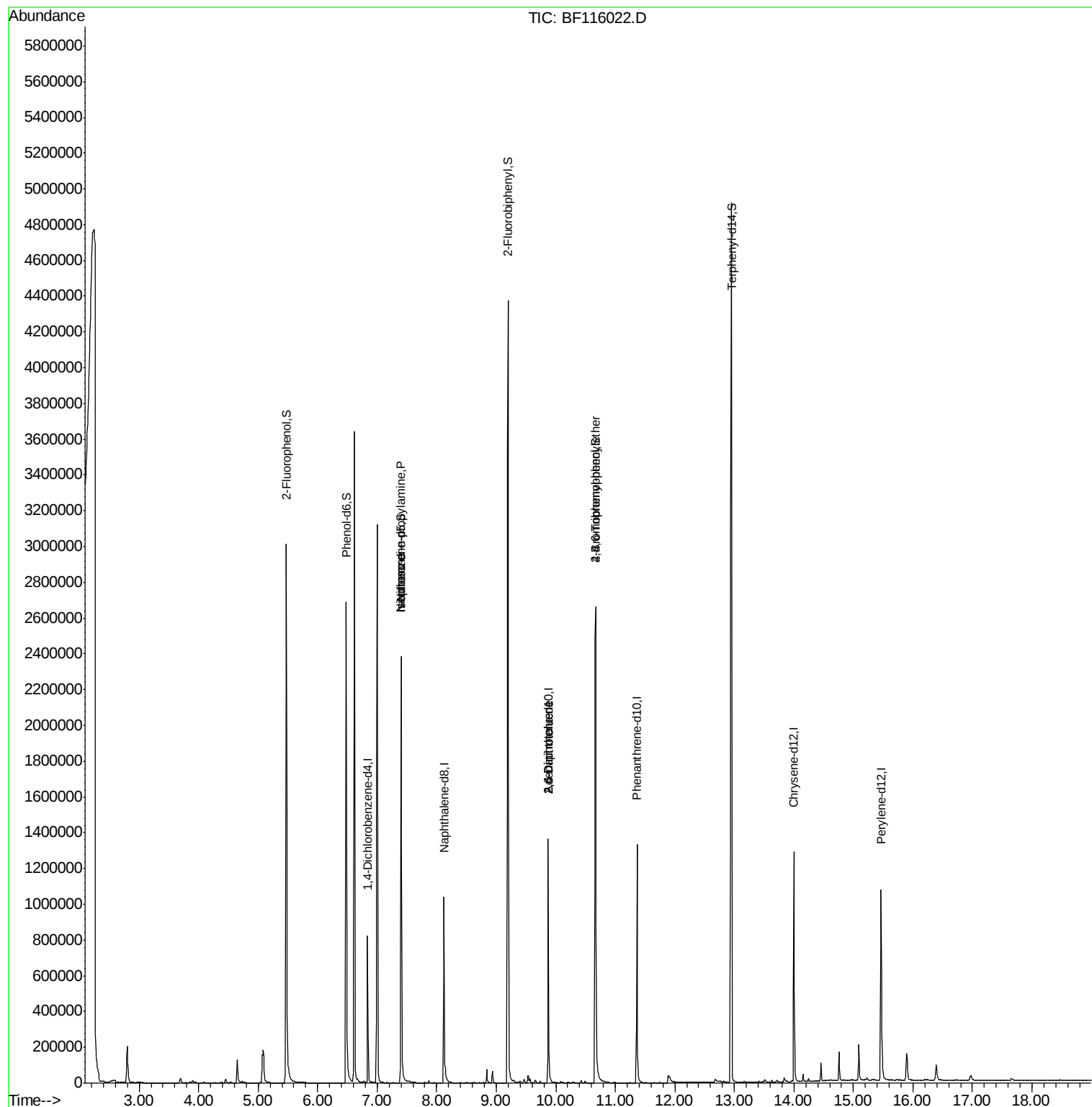
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	131097	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	503035	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	275631	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	522679	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	470883	20.00	ng	-0.02
87) Perylene-d12	15.46	264	496768	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	917714	117.19	ng	0.00
7) Phenol-d6	6.48	99	1067492	108.04	ng	0.00
23) Nitrobenzene-d5	7.40	82	865438	99.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	407047	152.32	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1488764	101.17	ng	-0.02
79) Terphenyl-d14	12.95	244	1970247	88.17	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	113881	18.600	ng	# 77
25) Isophorone	7.40	82	865434	51.935	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	36076	8.845	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	36077	6.644	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	24115	4.310	ng	# 1

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

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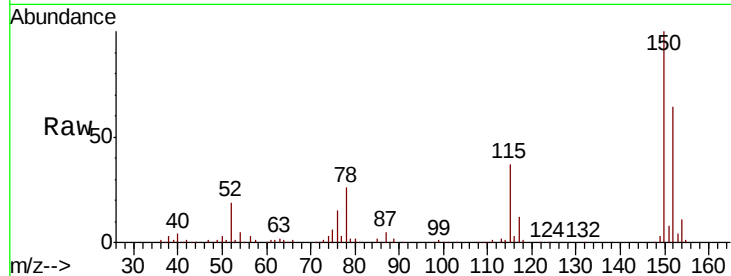


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116022.D
Acq: 6 Aug 2019 19:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	127.4	191.0
115	58.2	51.8	77.8

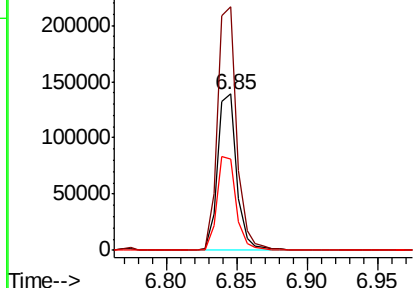
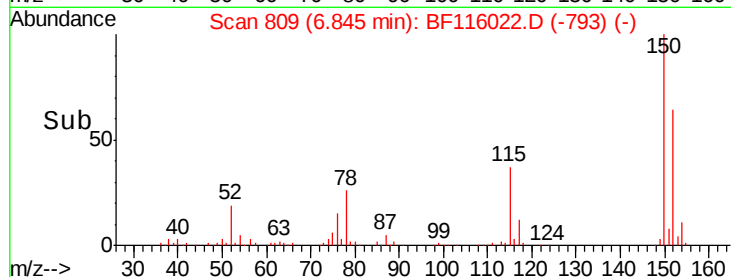


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

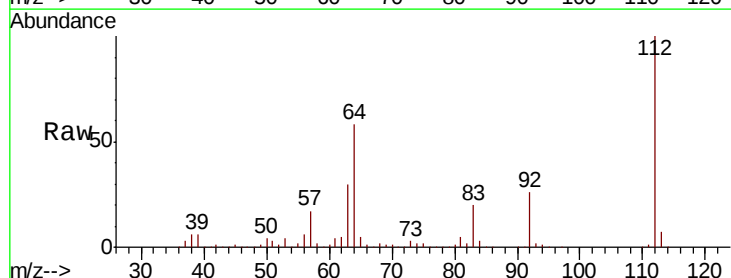
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.189 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116022.D
Acq: 6 Aug 2019 19:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.8	70.2
63	30.0	24.2	36.2

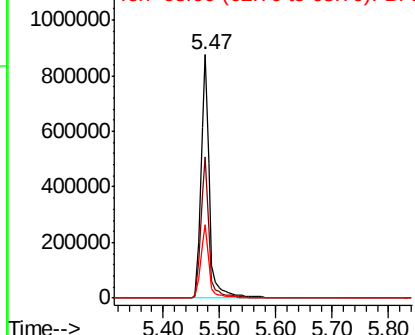
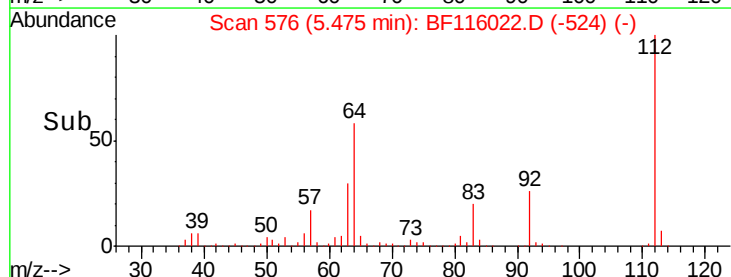


Abundance

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: 108.043 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116022.D

Acq: 6 Aug 2019 19:22

Instrument :

BNA_F

ClientSampleId :

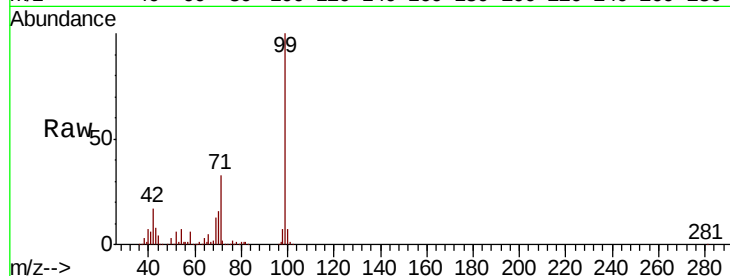
Tot Ion: 99 Resp: 1067492

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.6

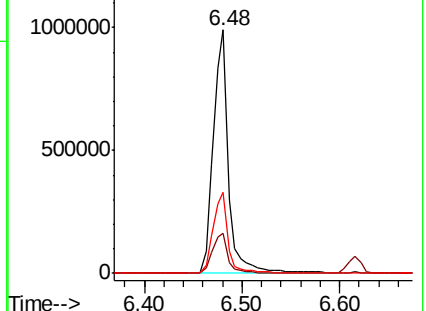
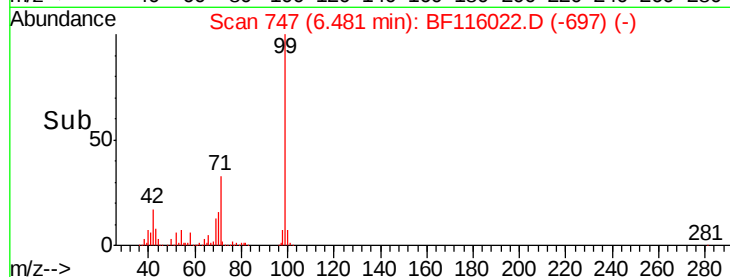
71 33.5 27.1 40.7



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: 18.600 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116022.D

Acq: 6 Aug 2019 19:22

Tgt Ion: 70 Resp: 113881

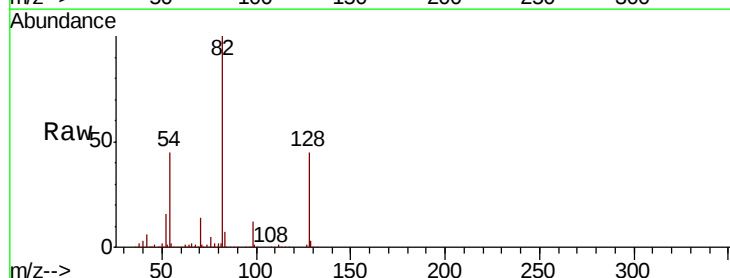
Ion Ratio Lower Upper

70 100

42 42.4 41.8 62.8

101 0.0 7.7 11.5#

130 2.1 17.8 26.6#

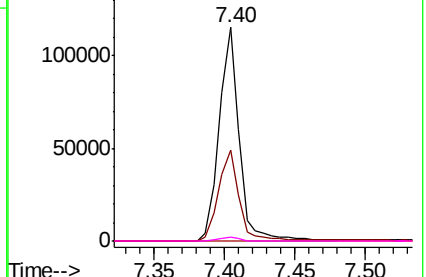
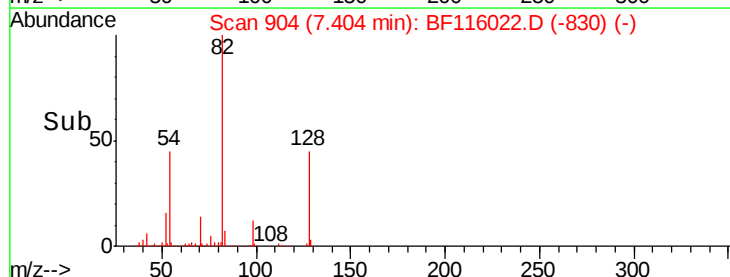


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116022.D

Acq: 6 Aug 2019 19:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 503035

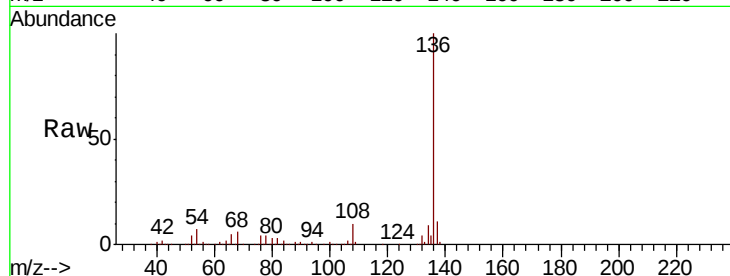
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.1 6.1 9.1

68 6.4 5.4 8.2

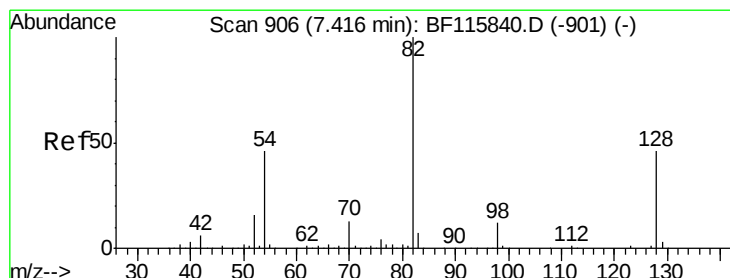
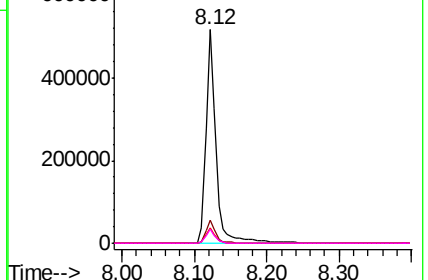
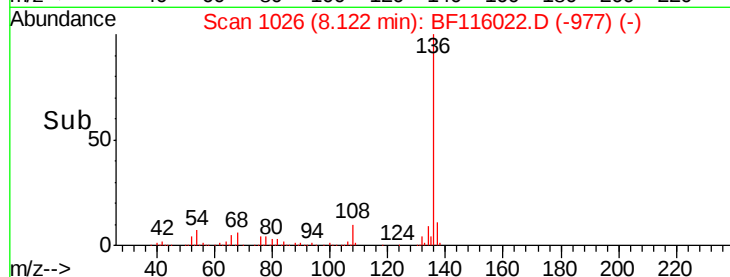


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.309 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116022.D

Acq: 6 Aug 2019 19:22

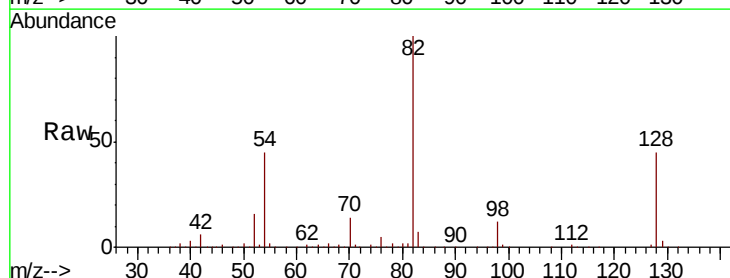
Tgt Ion: 82 Resp: 865438

Ion Ratio Lower Upper

82 100

128 45.1 36.6 55.0

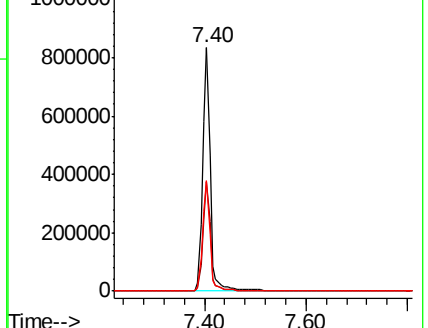
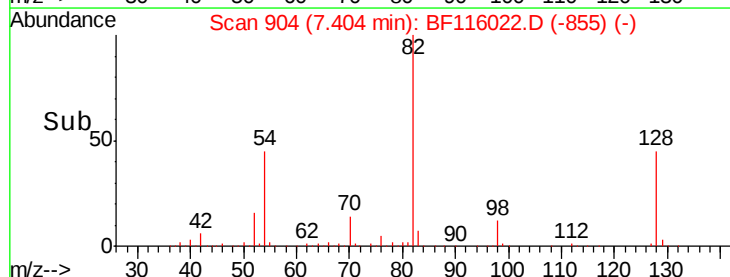
54 45.4 36.6 55.0



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: 51.935 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116022.D

Acq: 6 Aug 2019 19:22

Instrument :

BNA_F

ClientSampleId :

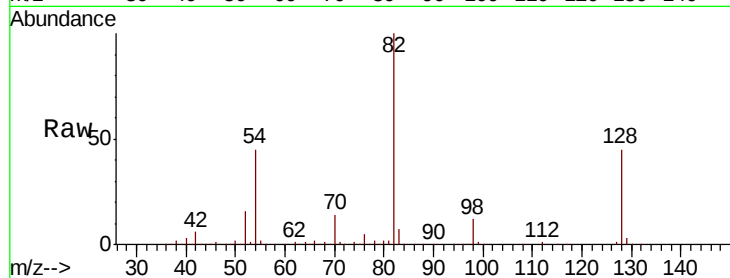
Tot Ion: 82 Resp: 865434

Ion Ratio Lower Upper

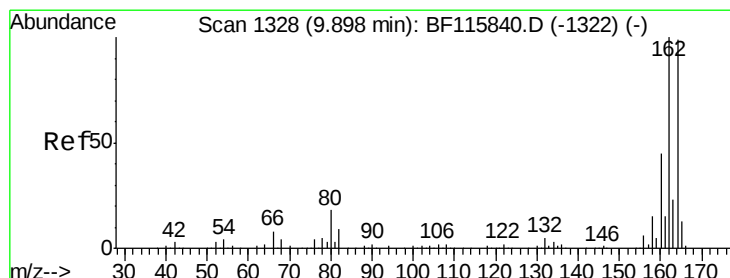
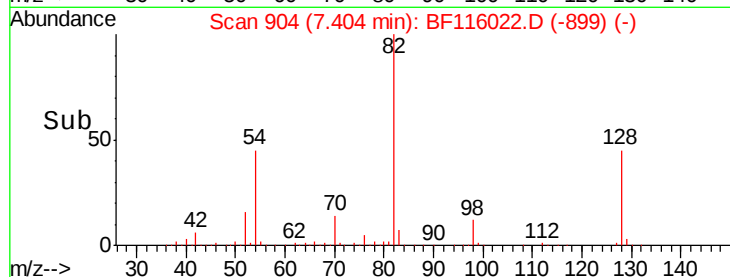
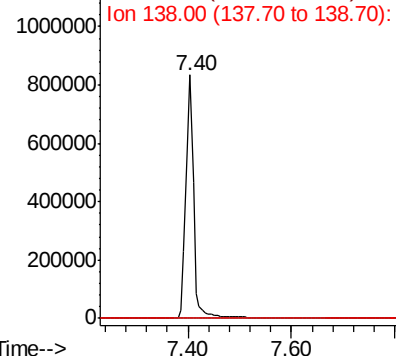
82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF116022.D

Acq: 6 Aug 2019 19:22

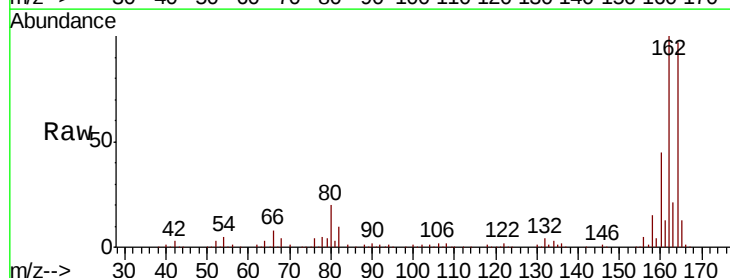
Tgt Ion: 164 Resp: 275631

Ion Ratio Lower Upper

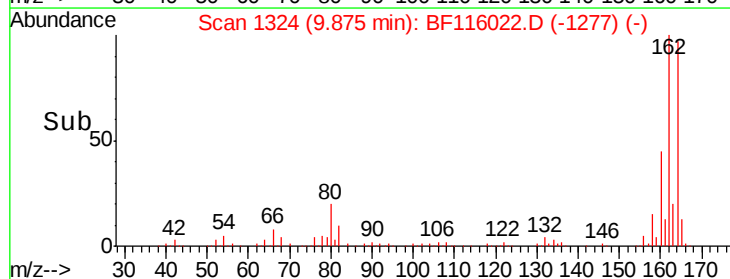
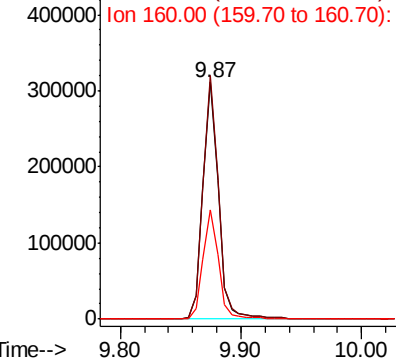
164 100

162 102.8 80.8 121.2

160 46.2 36.2 54.4



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: 152.320 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF116022.D

Acq: 6 Aug 2019 19:22

Instrument :

BNA_F

ClientSampled :

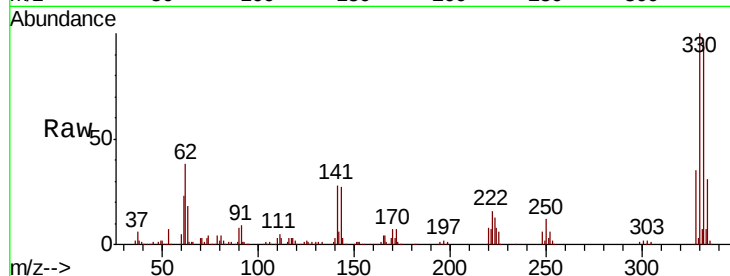
Tot Ion:330 Resp: 407047

Ion Ratio Lower Upper

330 100

332 95.4 77.7 116.5

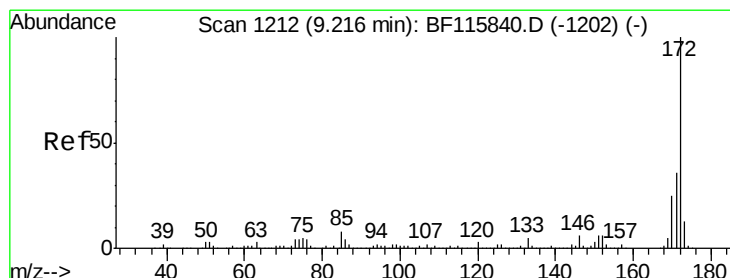
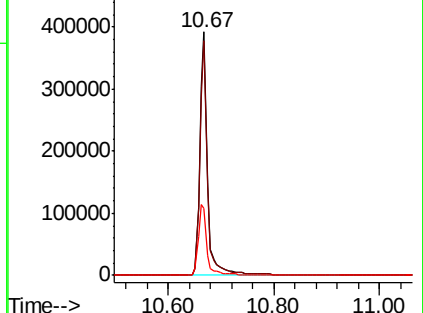
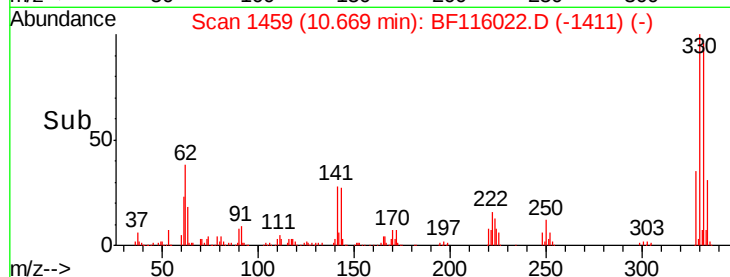
141 33.4 28.1 42.1



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: 101.170 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.02 min

Lab File: BF116022.D

Acq: 6 Aug 2019 19:22

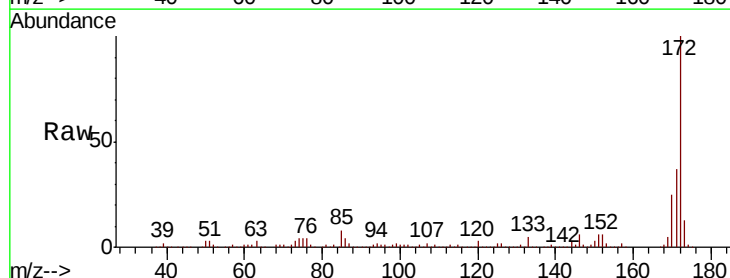
Tgt Ion:172 Resp: 1488764

Ion Ratio Lower Upper

172 100

171 36.6 29.1 43.7

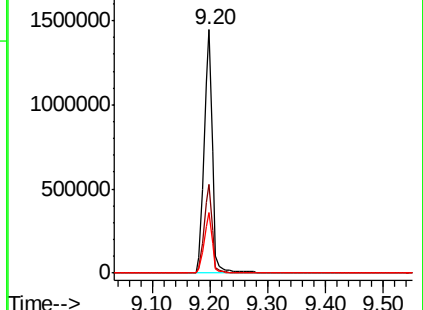
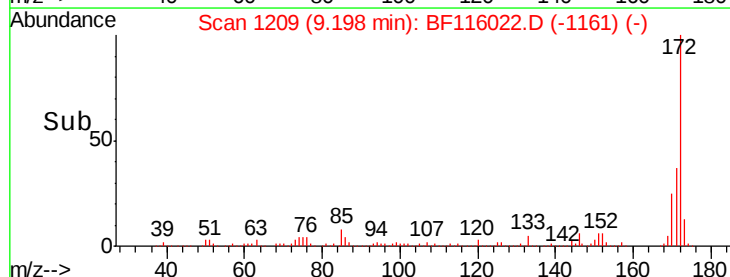
170 24.8 20.1 30.1

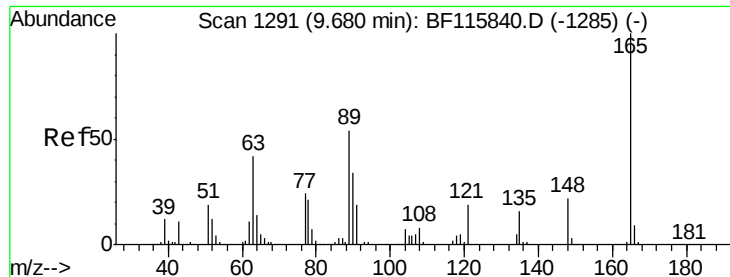


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

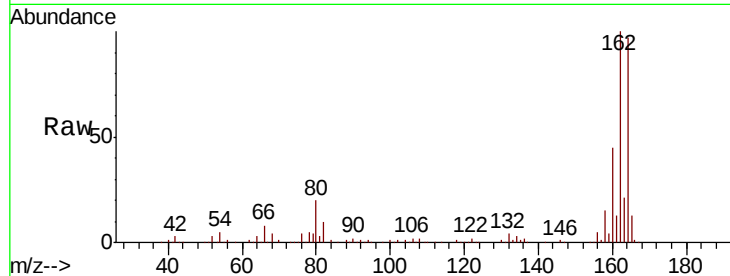




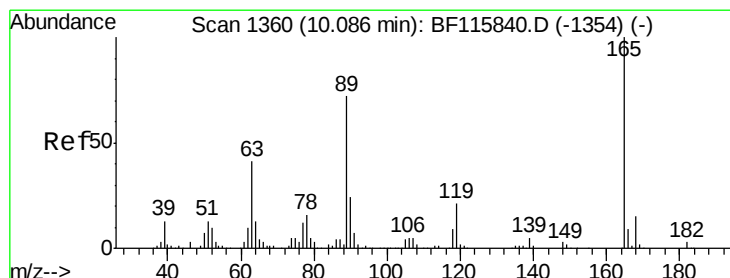
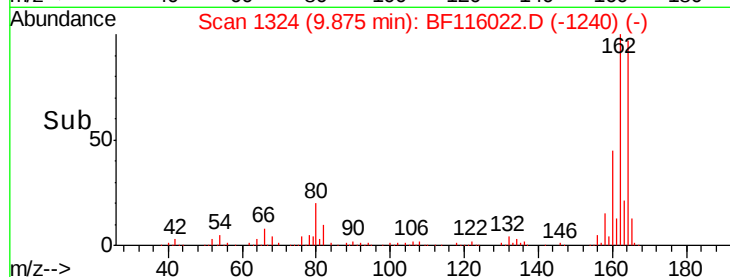
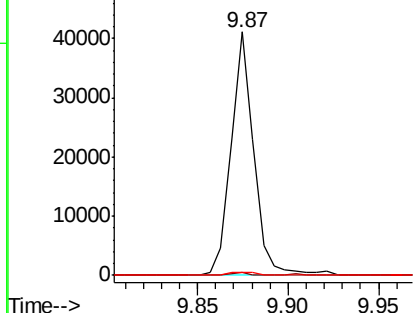
#51
 2,6-Dinitrotoluene
 Concen: 8.845 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.19 min
 Lab File: BF116022.D
 Acq: 6 Aug 2019 19:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	39.4	59.2#
89	1.3	43.0	64.6#

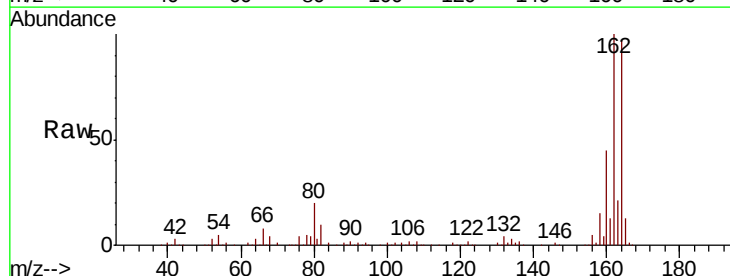


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

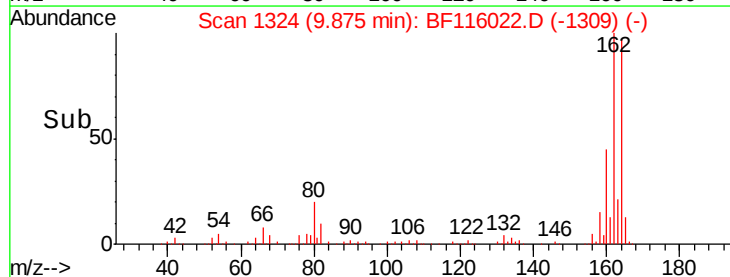
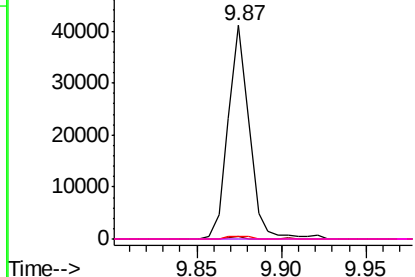


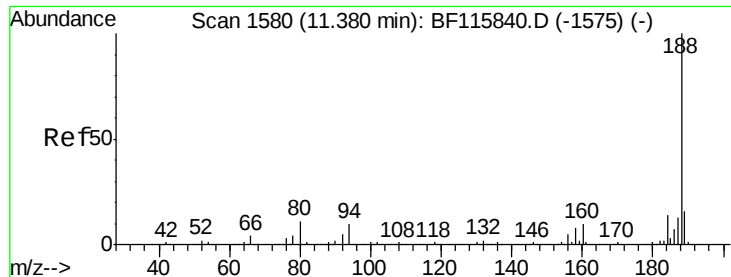
#57
 2,4-Dinitrotoluene
 Concen: 6.644 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF116022.D
 Acq: 6 Aug 2019 19:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.2	49.8#
89	1.3	57.3	85.9#
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: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF116022.D

Acq: 6 Aug 2019 19:22

Instrument :

BNA_F

ClientSampleId :

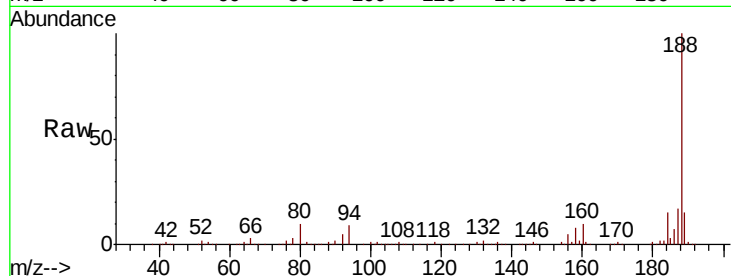
Tot Ion:188 Resp: 522679

Ion Ratio Lower Upper

188 100

94 9.4 8.0 12.0

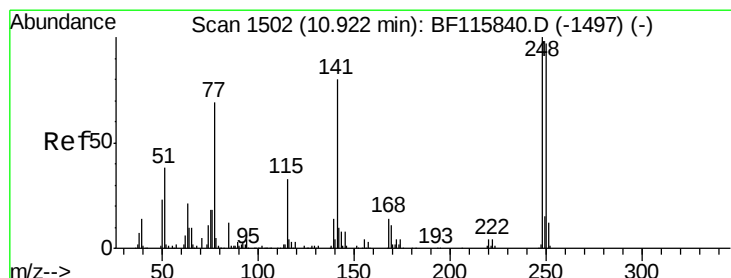
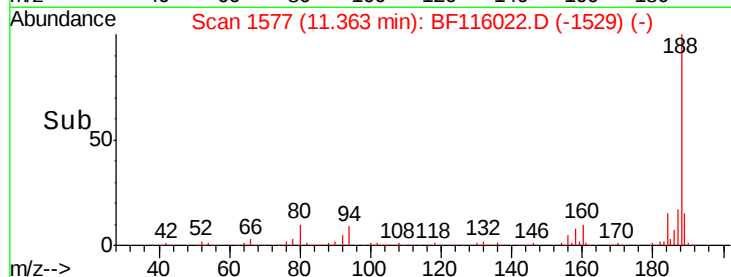
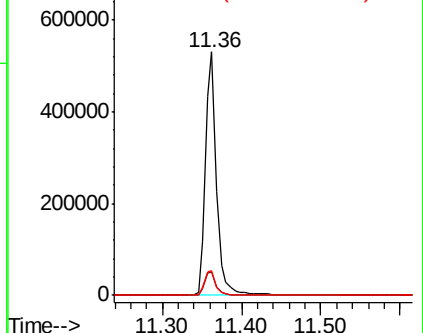
80 10.2 8.6 12.8



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



#67

4-Bromophenyl-phenylether

Concen: 4.310 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF116022.D

Acq: 6 Aug 2019 19:22

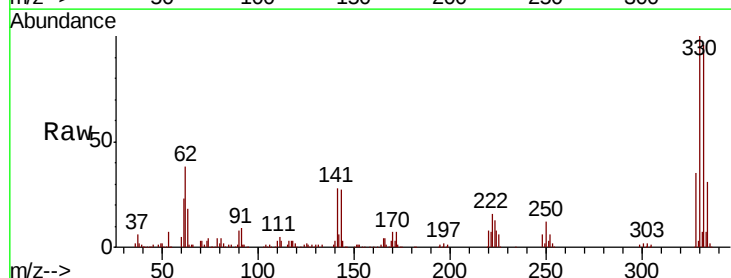
Tgt Ion:248 Resp: 24115

Ion Ratio Lower Upper

248 100

250 204.1 77.8 116.6#

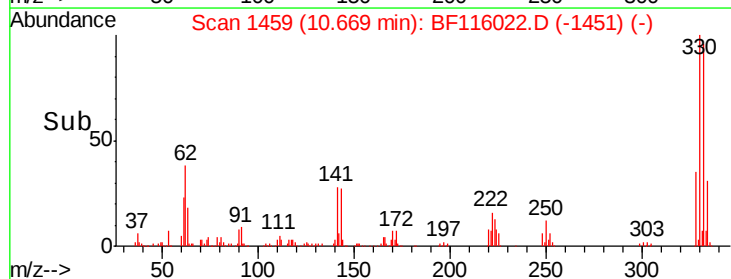
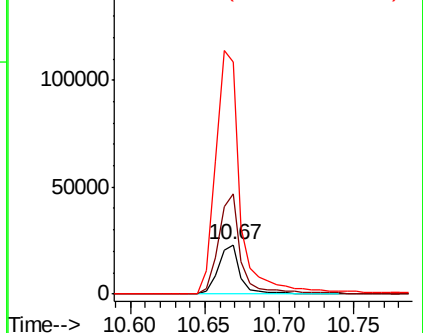
141 471.3 64.3 96.5#



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: 14.00 min Scan# 2026

Delta R.T. -0.02 min

Lab File: BF116022.D

Acq: 6 Aug 2019 19:22

Instrument :

BNA_F

ClientSampleId :

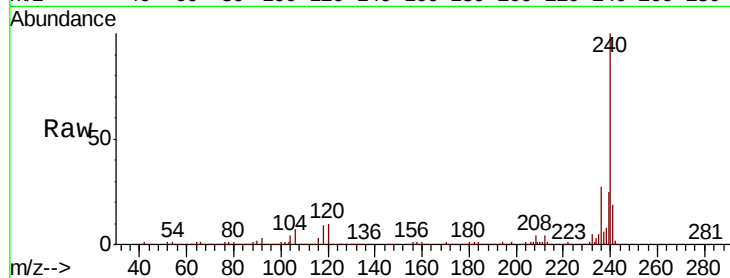
Tot Ion:240 Resp: 470883

Ion Ratio Lower Upper

240 100

120 10.3 8.5 12.7

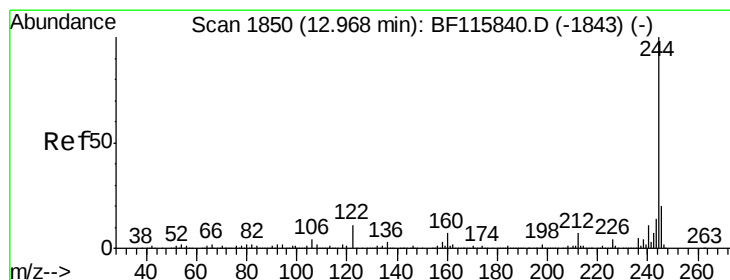
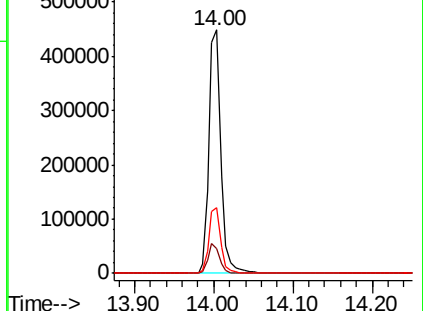
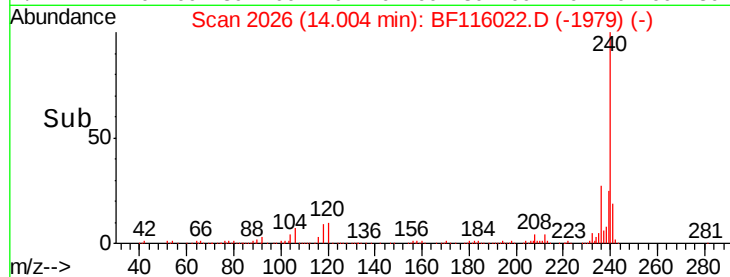
236 27.2 22.2 33.2



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: 88.167 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BF116022.D

Acq: 6 Aug 2019 19:22

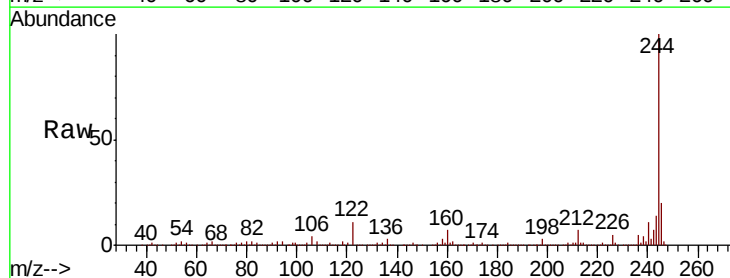
Tgt Ion:244 Resp: 1970247

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

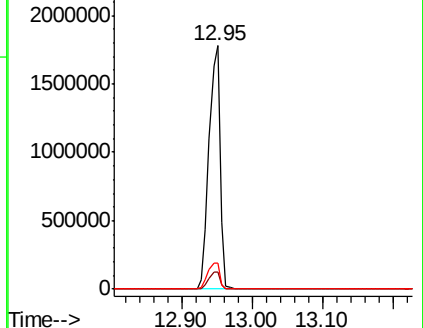
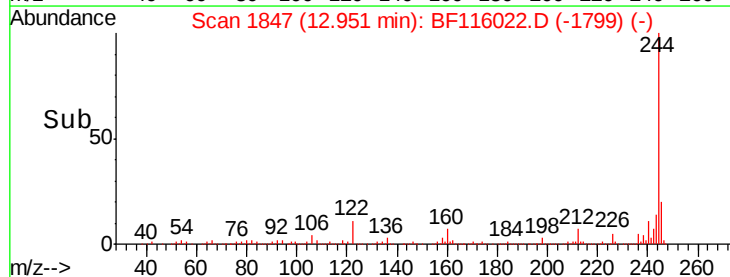
122 10.8 8.6 13.0

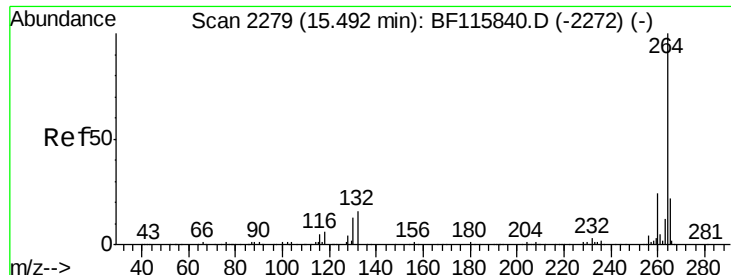


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.03 min
 Lab File: BF116022.D
 Acq: 6 Aug 2019 19:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	21.5	17.5	26.3

