

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116078.D
 Acq On : 8 Aug 2019 20:18
 Operator : HP/JU
 Sample : K4131-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 09:13:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

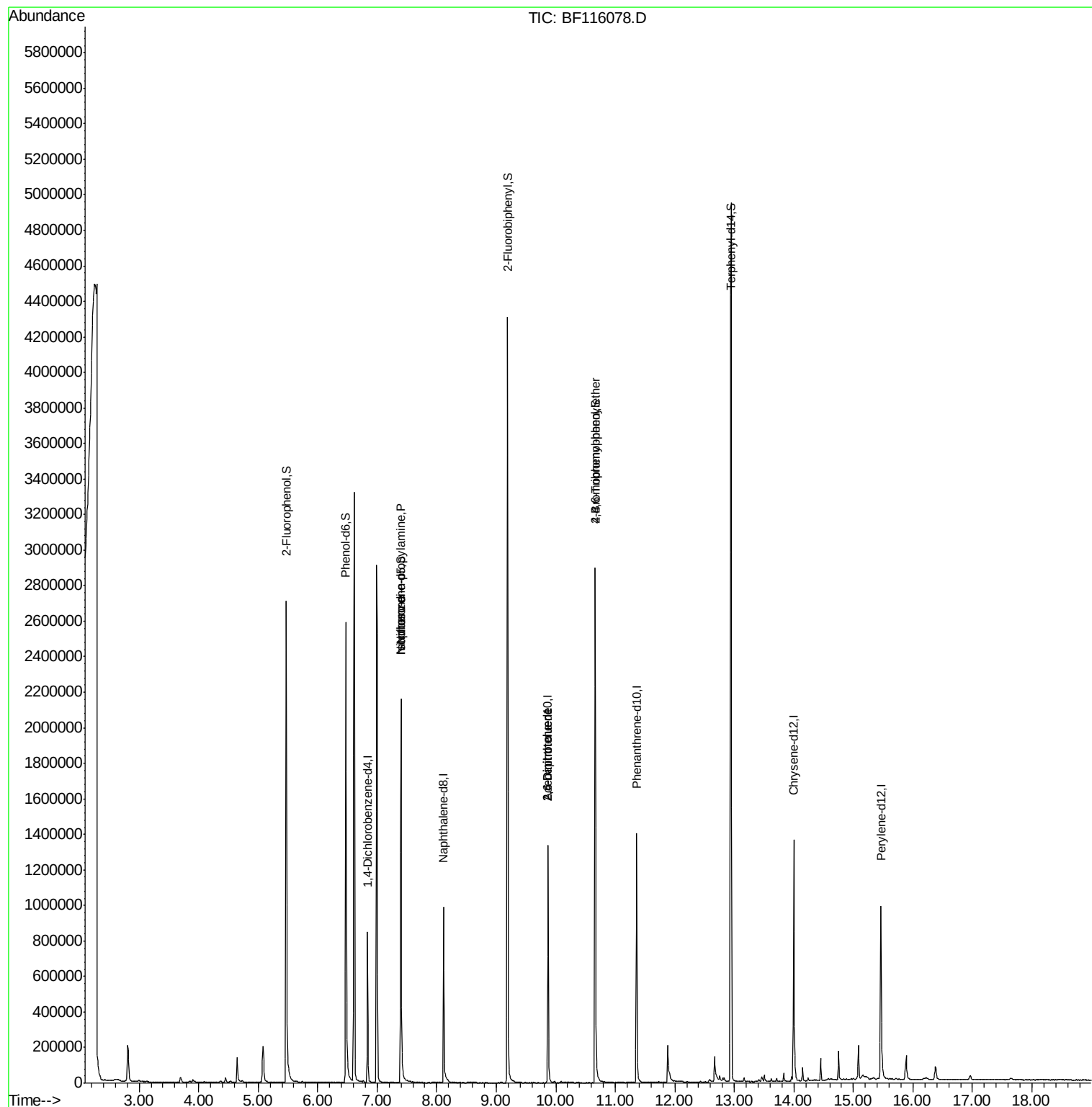
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	131393	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	508034	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	280844	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	547522	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	508956	20.00	ng	-0.01
87) Perylene-d12	15.46	264	478712	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	912892	116.31	ng	0.00
7) Phenol-d6	6.47	99	1062064	107.25	ng	-0.01
23) Nitrobenzene-d5	7.40	82	872792	99.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	415184	152.48	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1457973	97.24	ng	-0.01
79) Terphenyl-d14	12.94	244	2005384	83.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	114692	18.690	ng	# 80
25) Isophorone	7.40	82	872787	51.861	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	35796	8.614	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	35796	6.470	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	25308	4.318	ng	# 1

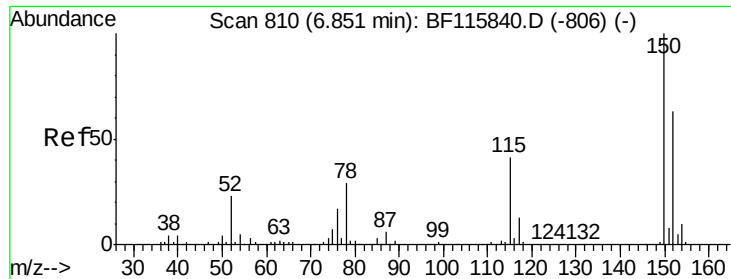
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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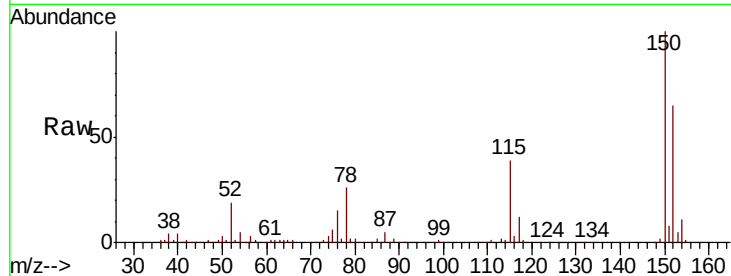


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116078.D
Acq: 8 Aug 2019 20:18

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	126.2	189.2
115	59.2	49.9	74.9

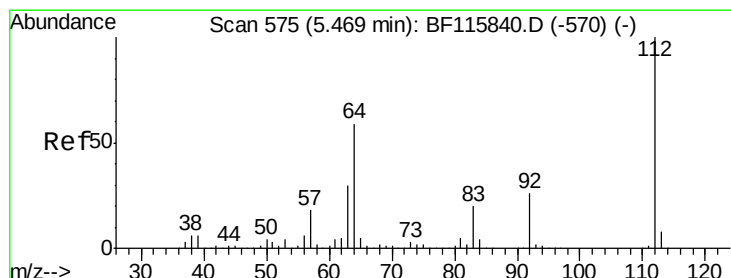
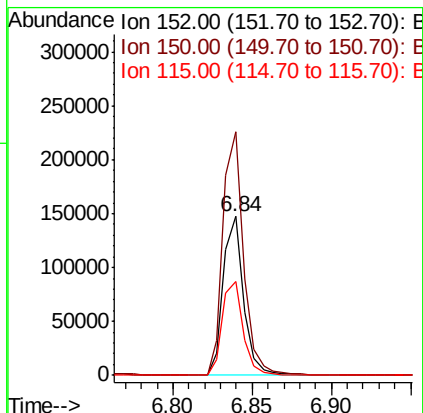
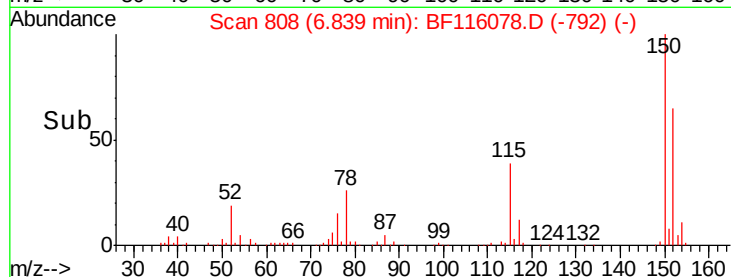


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

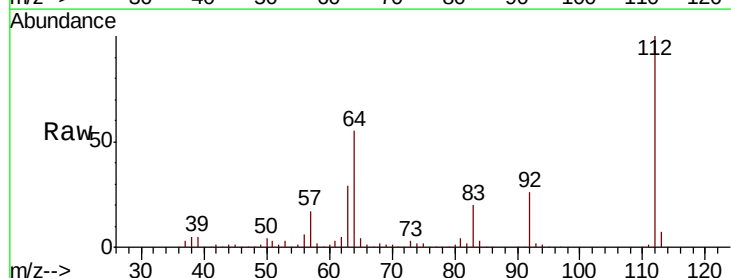
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.310 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116078.D
Acq: 8 Aug 2019 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.4	68.2
63	29.0	23.7	35.5

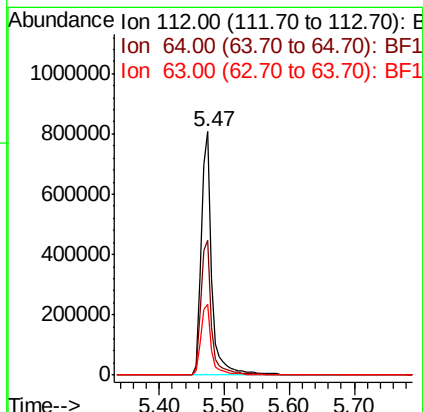
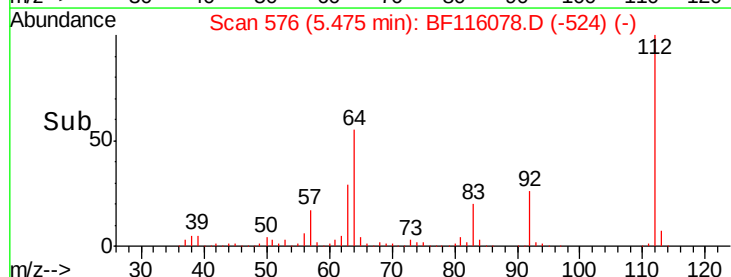


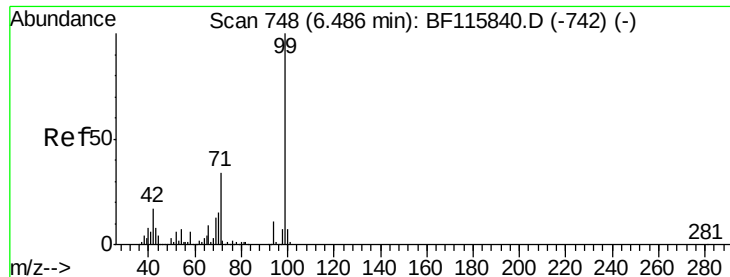
Abundance

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: 107.251 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116078.D

Acq: 8 Aug 2019 20:18

Instrument :

BNA_F

ClientSampleId :

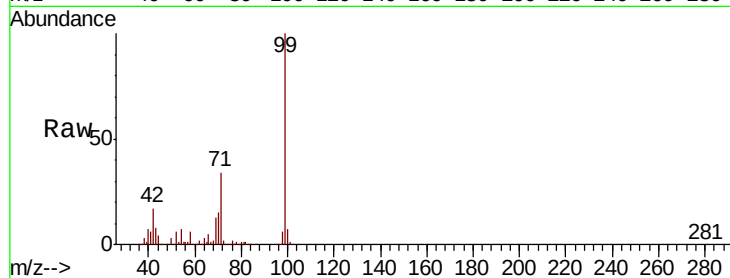
Tot Ion: 99 Resp: 1062064

Ion Ratio Lower Upper

99 100

42 17.2 13.8 20.8

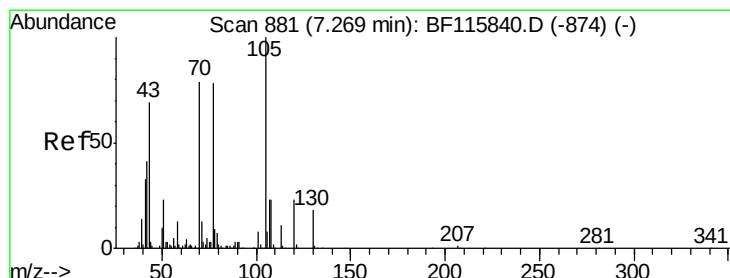
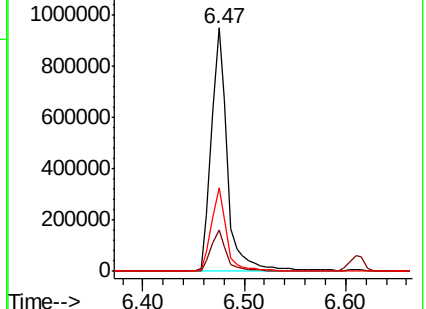
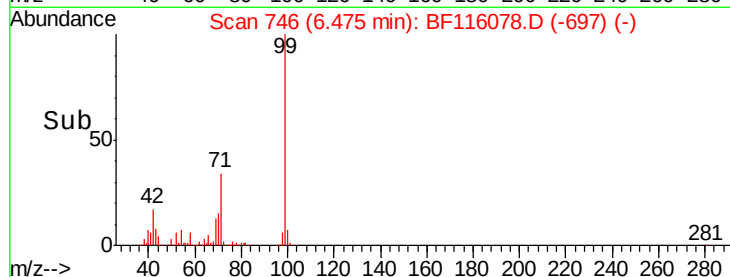
71 34.2 27.3 40.9



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: 18.690 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116078.D

Acq: 8 Aug 2019 20:18

Tgt Ion: 70 Resp: 114692

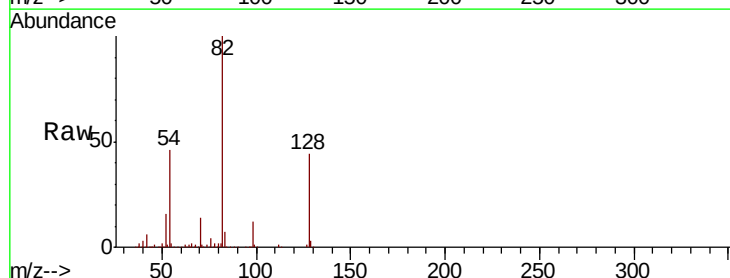
Ion Ratio Lower Upper

70 100

42 43.8 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

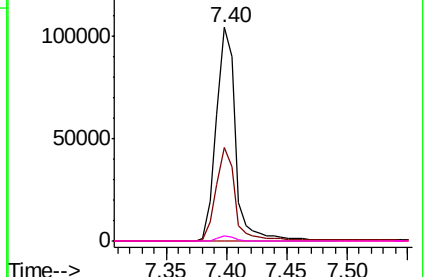
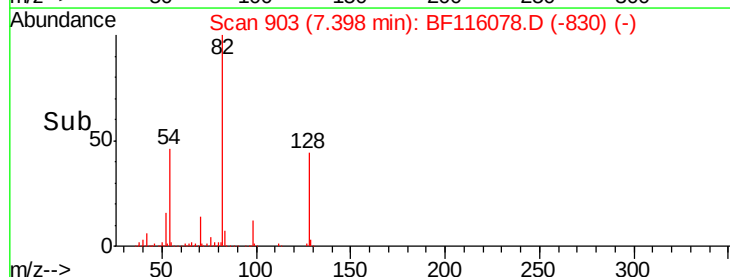


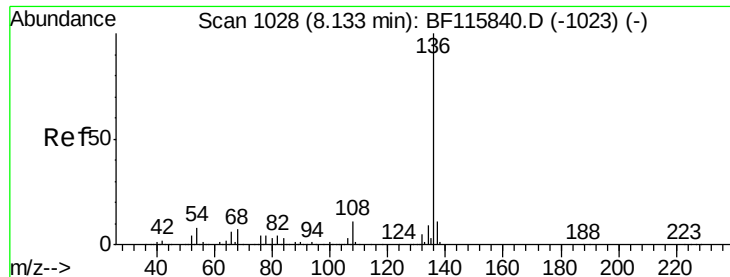
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

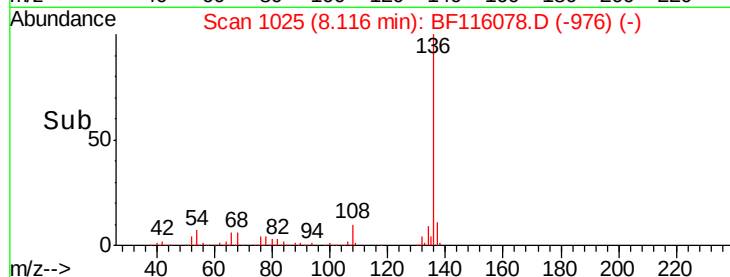
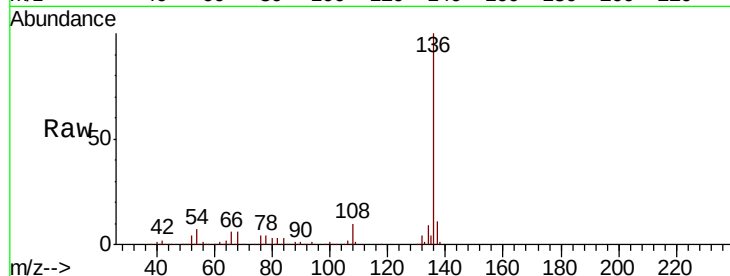




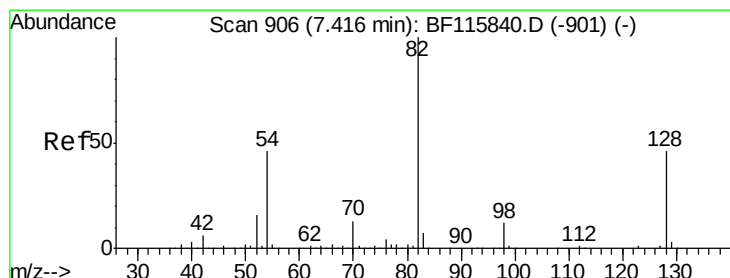
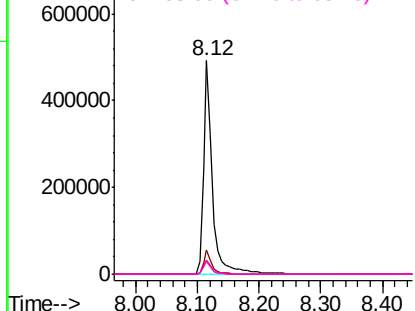
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116078.D
Acq: 8 Aug 2019 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	508034
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.0 13.4
54	6.9	5.8 8.6
68	6.1	5.2 7.8

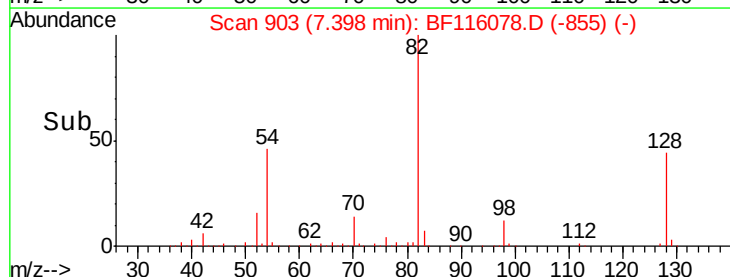
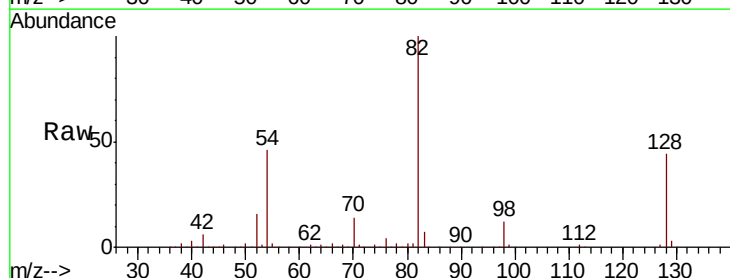


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

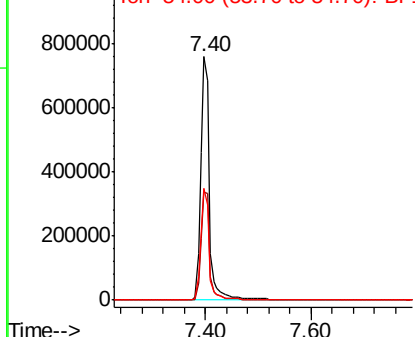


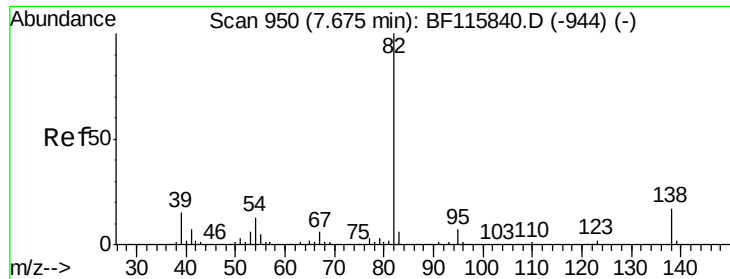
#23
Nitrobenzene-d5
Concen: 99.167 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116078.D
Acq: 8 Aug 2019 20:18

Tgt Ion: 82	Resp:	872792
Ion	Ratio	Lower Upper
82	100	
128	44.4	36.5 54.7
54	45.7	36.0 54.0



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: 51.861 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116078.D

Acq: 8 Aug 2019 20:18

Instrument :

BNA_F

ClientSampleId :

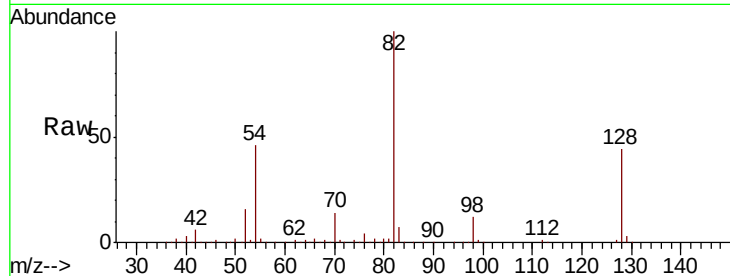
Tot Ion: 82 Resp: 872787

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

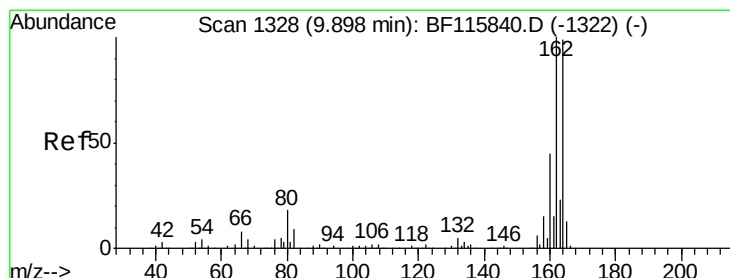
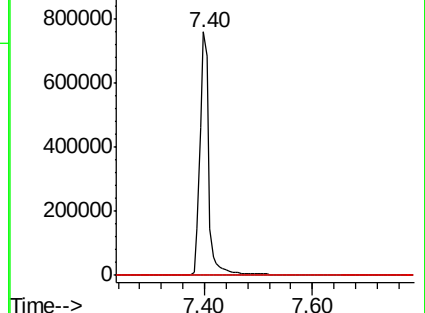
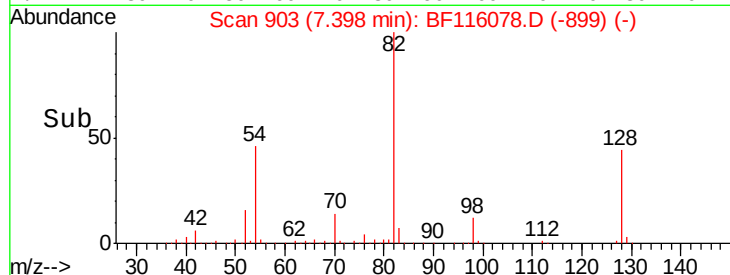
138 0.0 14.5 21.7#



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# 1323

Delta R.T. -0.02 min

Lab File: BF116078.D

Acq: 8 Aug 2019 20:18

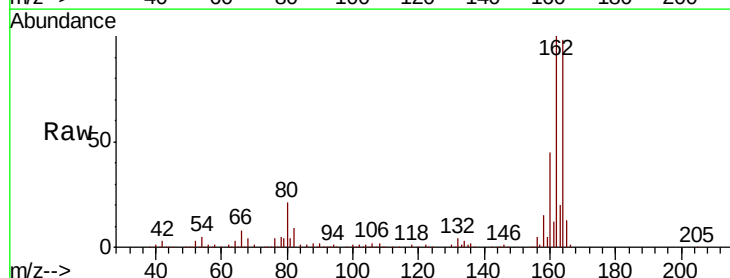
Tgt Ion:164 Resp: 280844

Ion Ratio Lower Upper

164 100

162 102.0 82.6 124.0

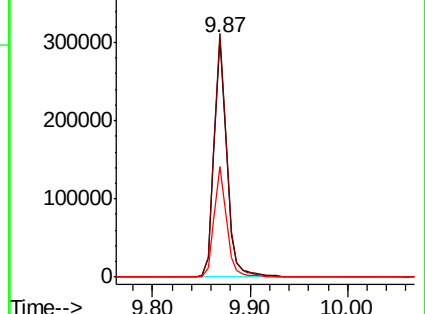
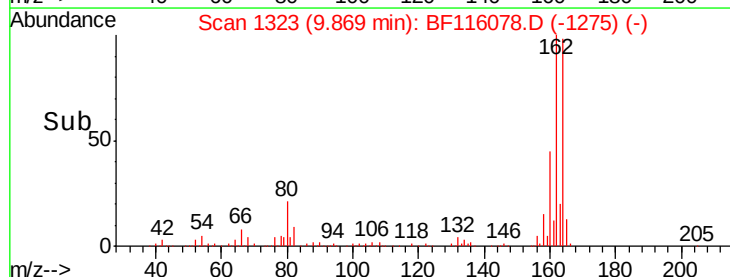
160 46.0 37.6 56.4

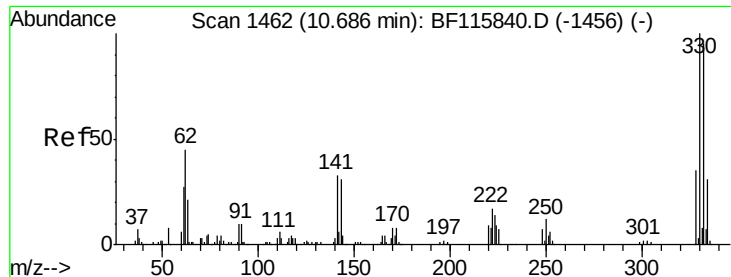


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 152.481 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116078.D

Acq: 8 Aug 2019 20:18

Instrument :

BNA_F

ClientSampled :

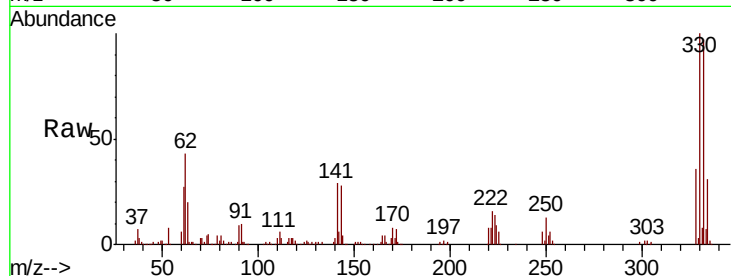
Tot Ion:330 Resp: 415184

Ion Ratio Lower Upper

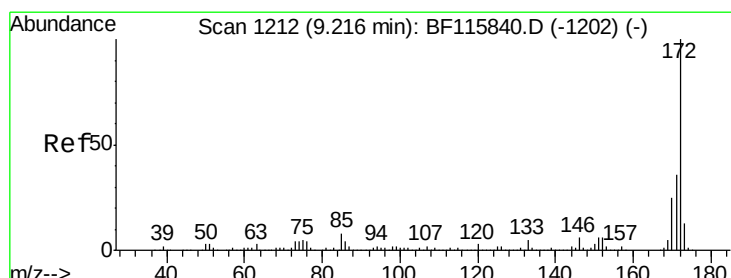
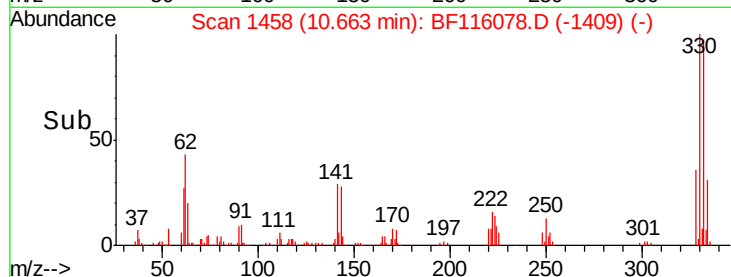
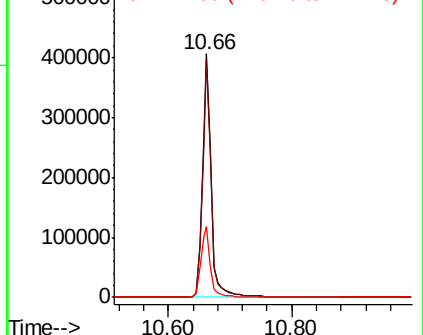
330 100

332 96.0 76.8 115.2

141 31.9 26.3 39.5



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: 97.239 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116078.D

Acq: 8 Aug 2019 20:18

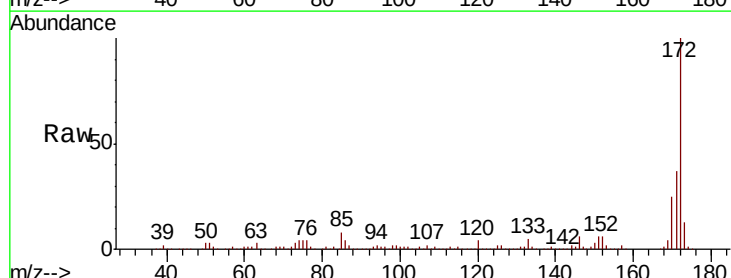
Tgt Ion:172 Resp: 1457973

Ion Ratio Lower Upper

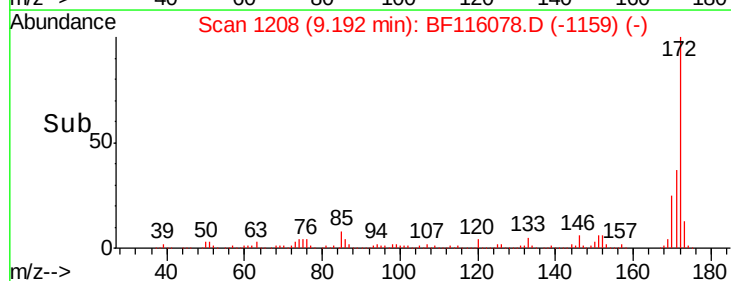
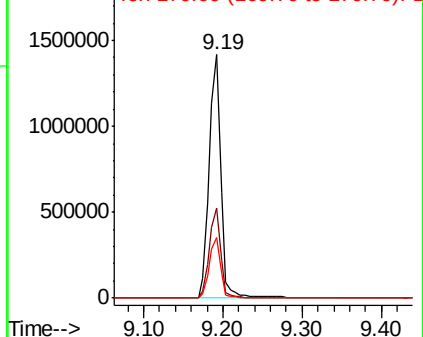
172 100

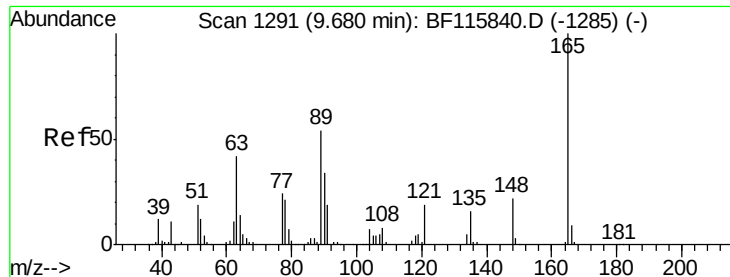
171 37.2 29.6 44.4

170 25.0 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

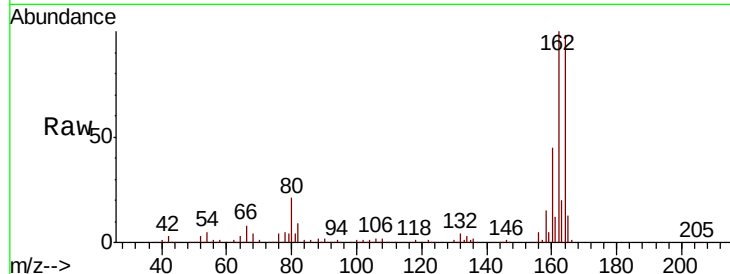




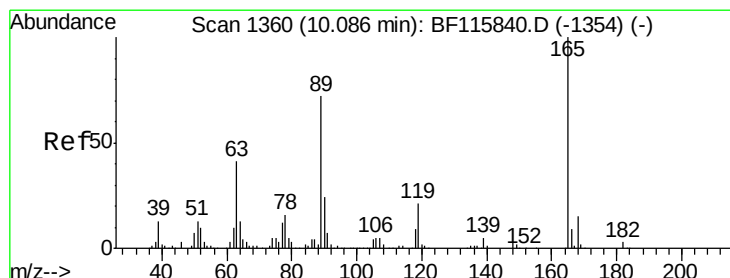
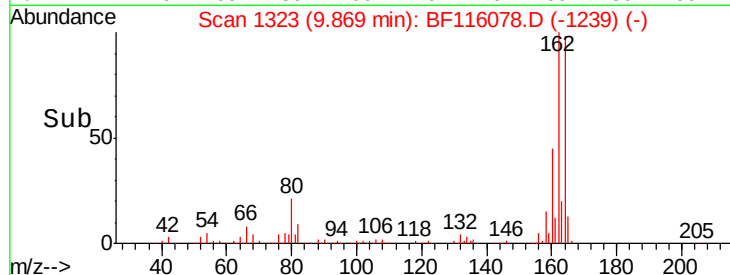
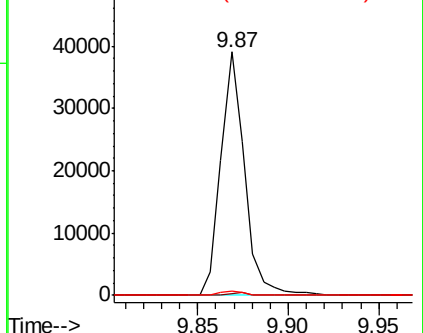
#51
 2,6-Dinitrotoluene
 Concen: 8.614 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116078.D
 Acq: 8 Aug 2019 20:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	38.2	57.2#
89	1.6	42.9	64.3#



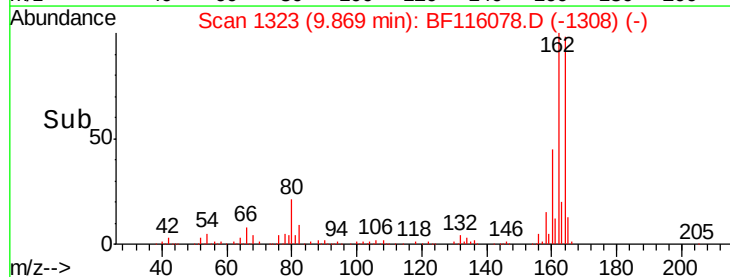
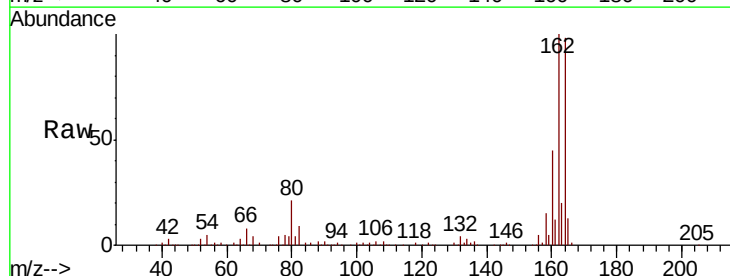
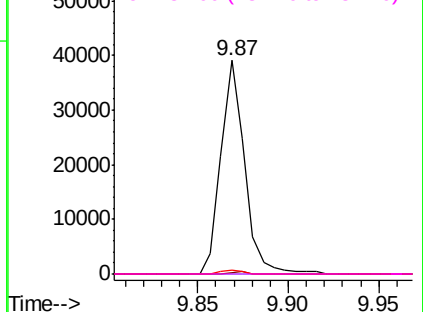
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

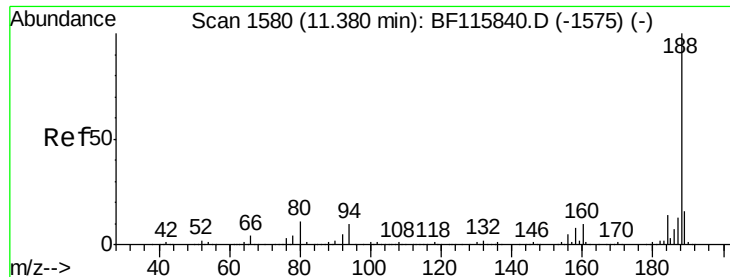


#57
 2,4-Dinitrotoluene
 Concen: 6.470 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116078.D
 Acq: 8 Aug 2019 20:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	39.6	59.4#
89	1.6	62.2	93.2#
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# 1576

Delta R.T. -0.01 min

Lab File: BF116078.D

Acq: 8 Aug 2019 20:18

Instrument :

BNA_F

ClientSampleId :

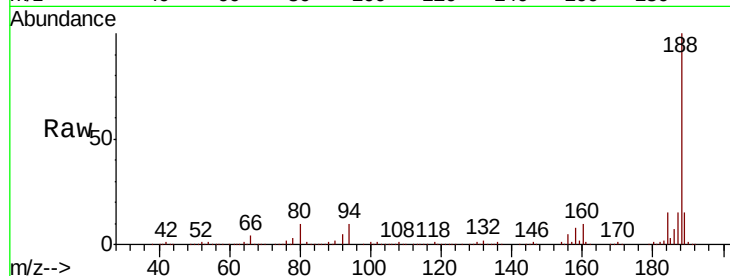
Tot Ion:188 Resp: 547522

Ion Ratio Lower Upper

188 100

94 9.8 8.1 12.1

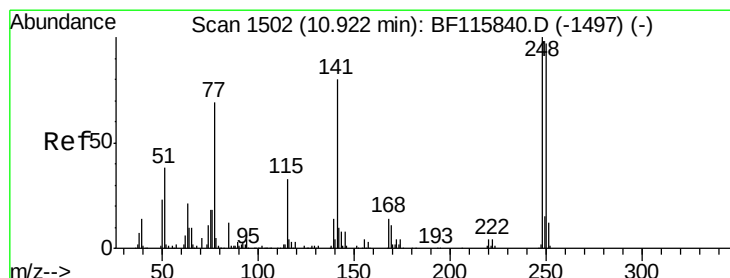
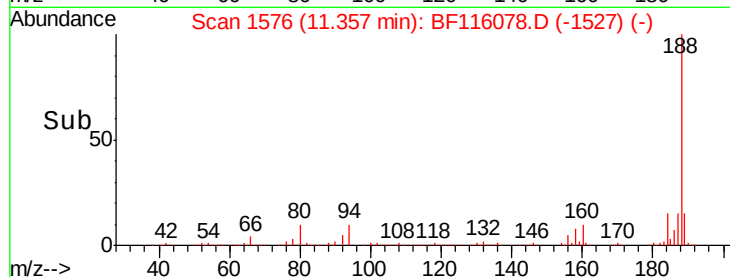
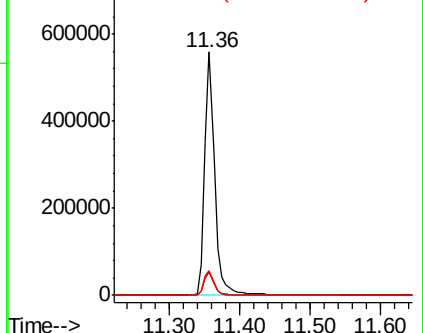
80 10.4 8.7 13.1



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: 4.318 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116078.D

Acq: 8 Aug 2019 20:18

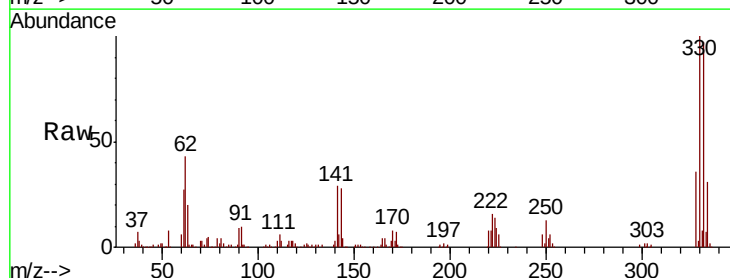
Tgt Ion:248 Resp: 25308

Ion Ratio Lower Upper

248 100

250 200.0 77.4 116.2#

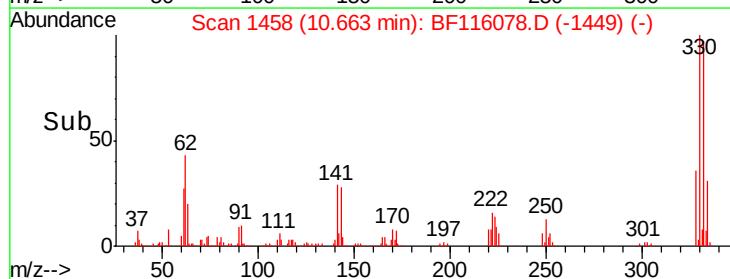
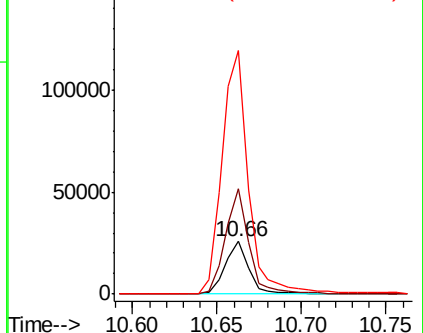
141 461.6 56.8 85.2#

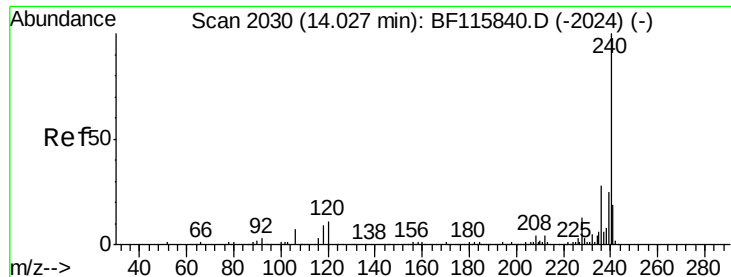


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2025

Delta R.T. -0.01 min

Lab File: BF116078.D

Acq: 8 Aug 2019 20:18

Instrument :

BNA_F

ClientSampleId :

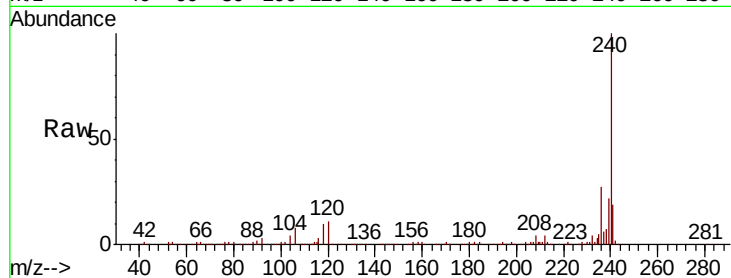
Tot Ion:240 Resp: 508956

Ion Ratio Lower Upper

240 100

120 11.5 10.7 16.1

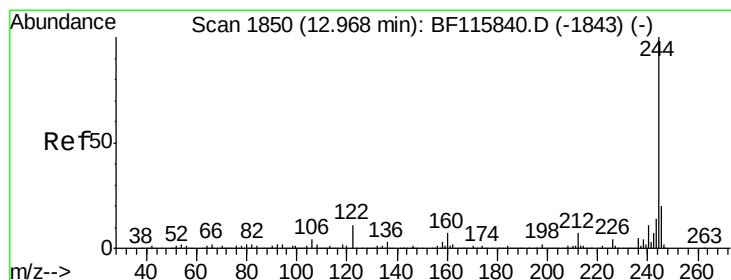
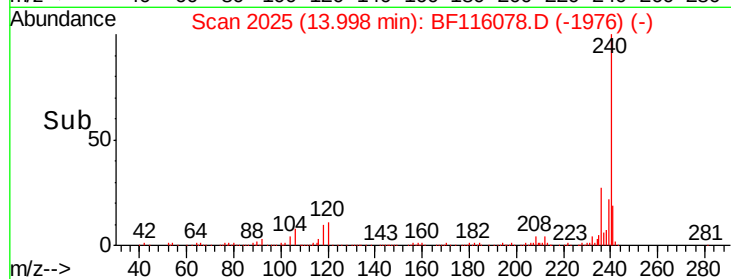
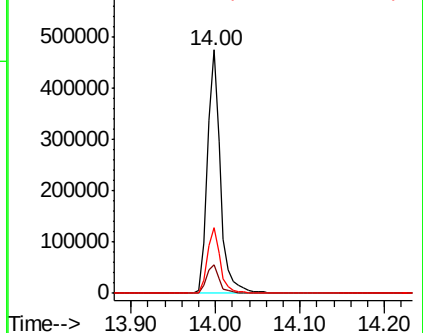
236 27.2 22.2 33.2



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: 83.026 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116078.D

Acq: 8 Aug 2019 20:18

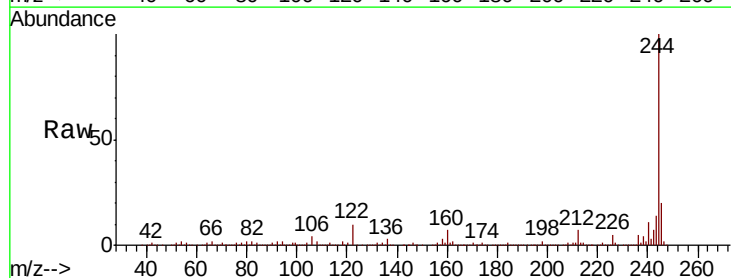
Tgt Ion:244 Resp: 2005384

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

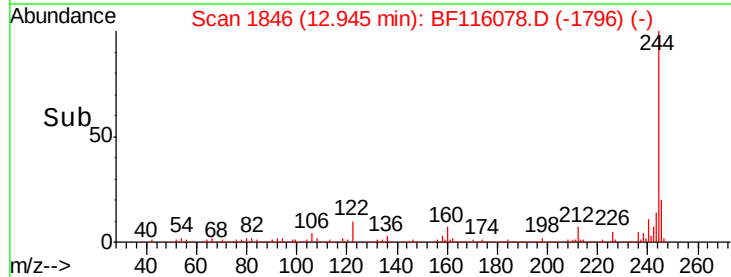
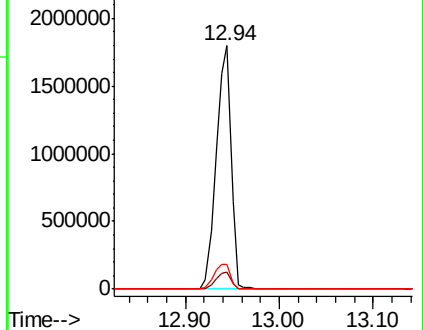
122 10.3 9.0 13.4

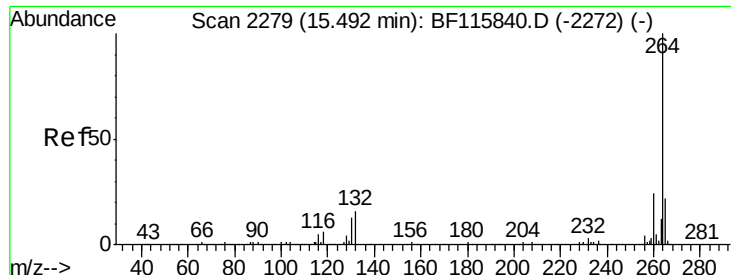


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.01 min
Lab File: BF116078.D
Acq: 8 Aug 2019 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 478712

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	21.2	17.4	26.0

