

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116081.D
 Acq On : 8 Aug 2019 21:38
 Operator : HP/JU
 Sample : K4129-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 09:14:12 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

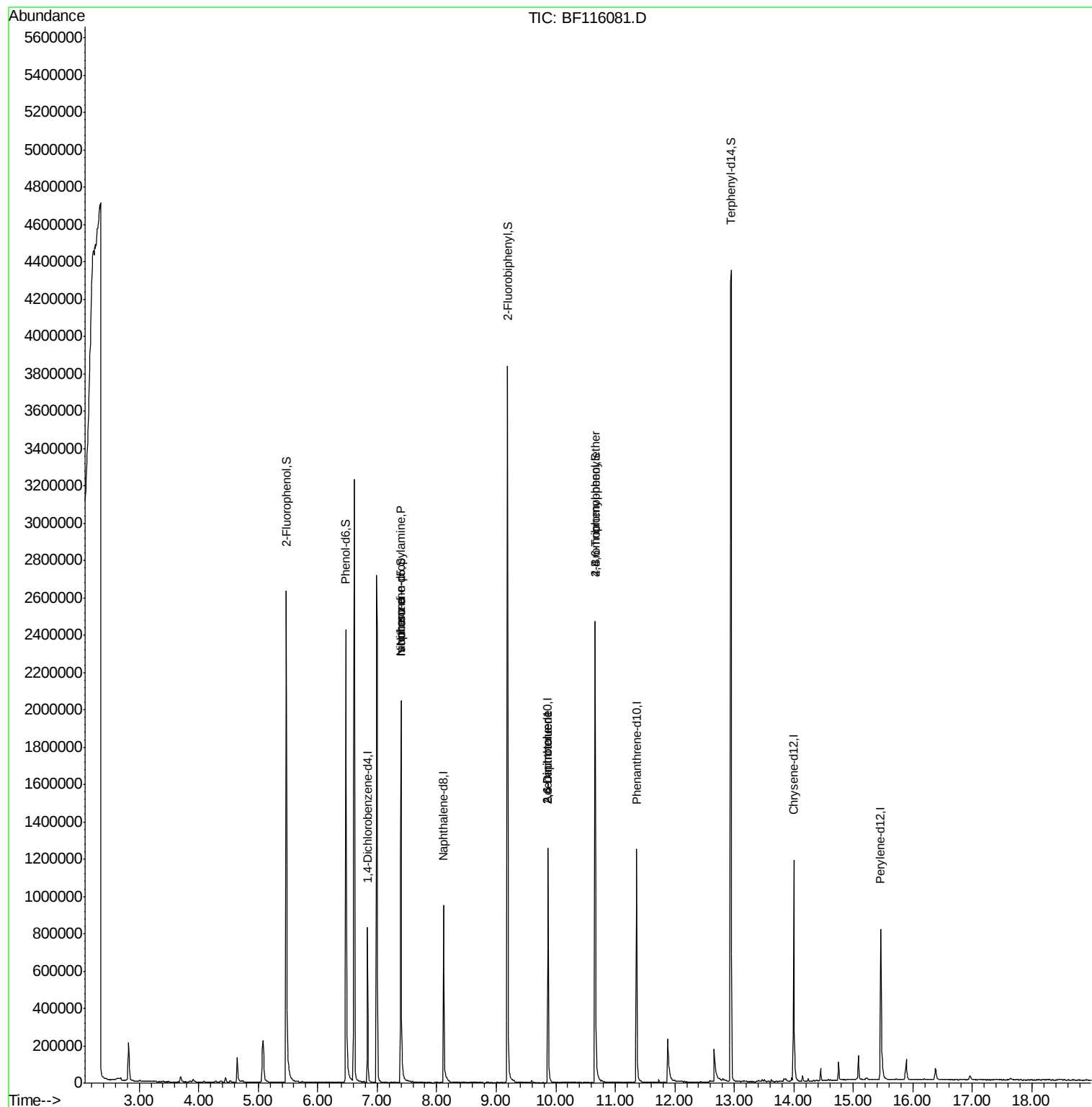
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	125738	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	495563	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	269748	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	506333	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	448855	20.00	ng	-0.01
87) Perylene-d12	15.46	264	425978	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	844444	112.43	ng	0.00
7) Phenol-d6	6.47	99	989877	104.46	ng	-0.01
23) Nitrobenzene-d5	7.40	82	789923	92.01	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	370249	141.57	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1359629	94.41	ng	-0.01
79) Terphenyl-d14	12.94	244	1758958	82.57	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	103453	17.617	ng	# 80
25) Isophorone	7.40	82	790673	48.164	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	33811	8.471	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	33811	6.362	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	22383	4.129	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

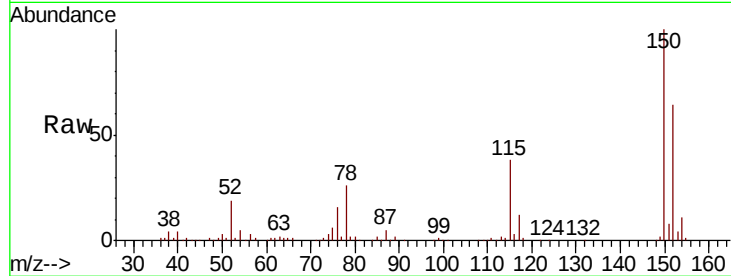
Delta R.T. -0.01 min

Lab File: BF116081.D

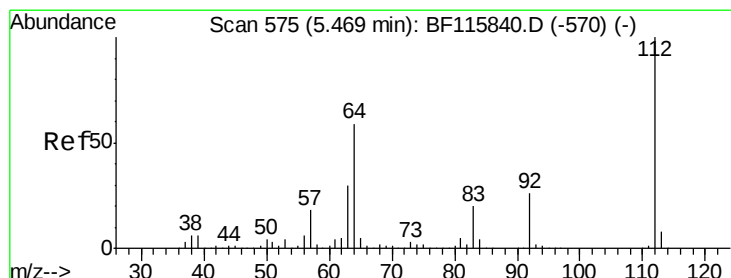
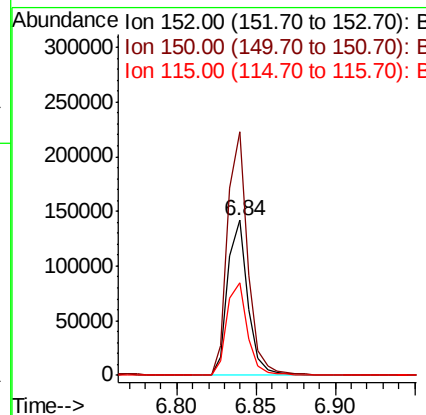
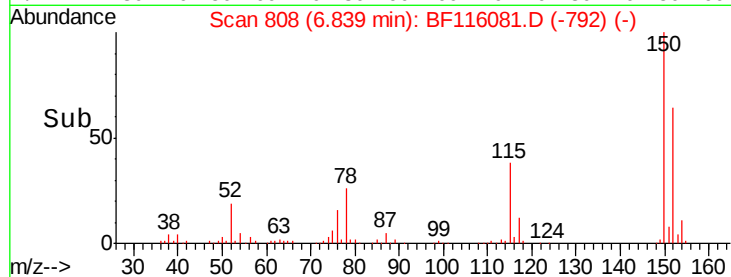
Acq: 8 Aug 2019 21:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	152	Resp:	125738
Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	59.6	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: 112.428 ng

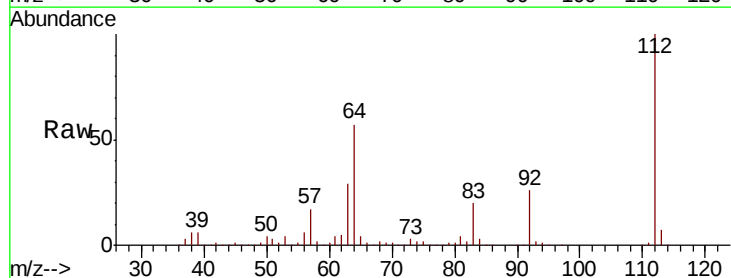
RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

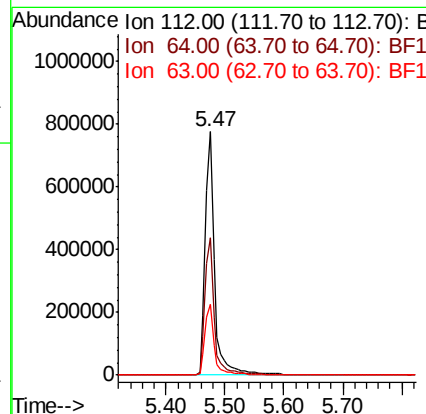
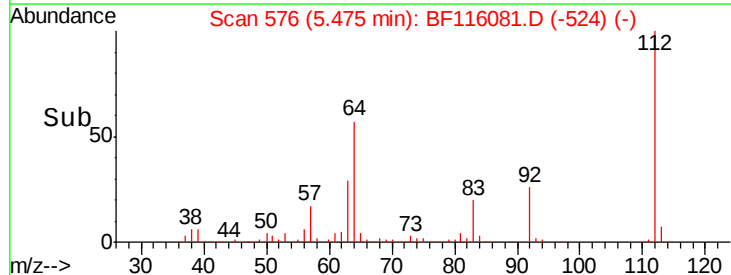
Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

Tgt Ion:	112	Resp:	844444
Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.4	68.2
63	29.1	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: 104.457 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

Instrument :

BNA_F

ClientSampleId :

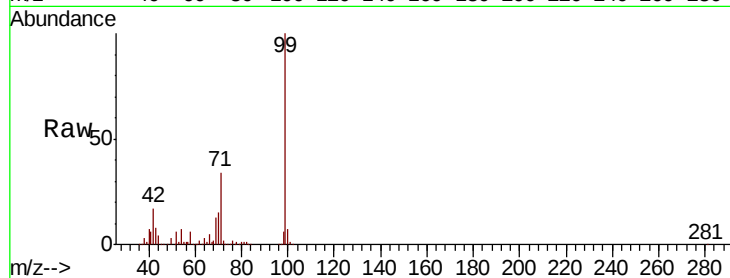
Tot Ion: 99 Resp: 989877

Ion Ratio Lower Upper

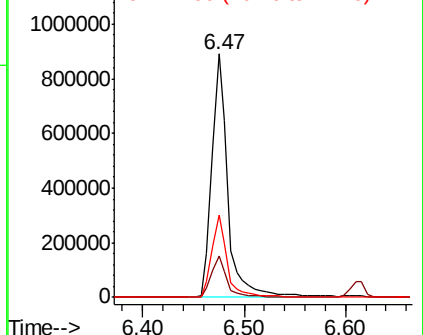
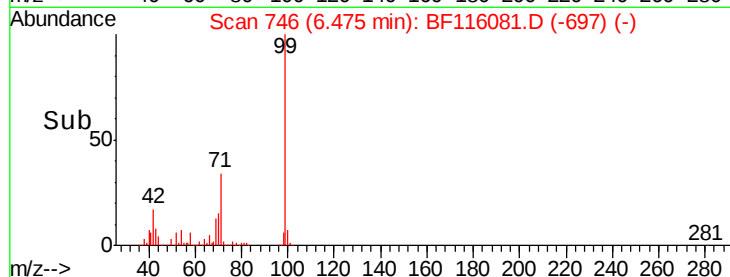
99 100

42 17.1 13.8 20.8

71 34.1 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: 17.617 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

Tgt Ion: 70 Resp: 103453

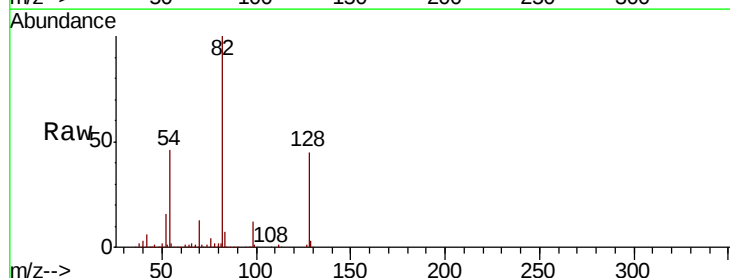
Ion Ratio Lower Upper

70 100

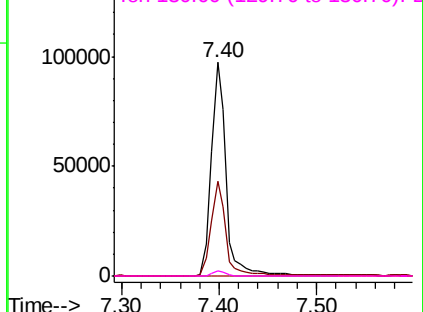
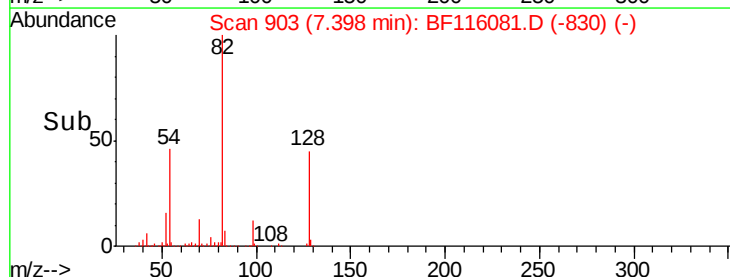
42 44.3 40.9 61.3

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: BF116081.D

Acq: 8 Aug 2019 21:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 495563

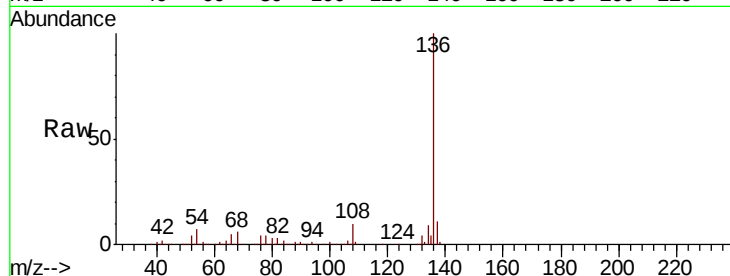
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.2 5.8 8.6

68 6.5 5.2 7.8

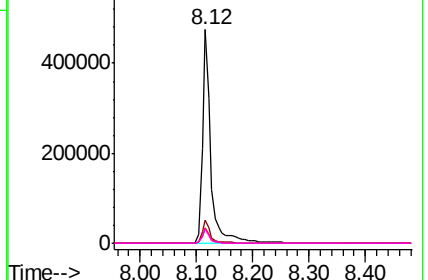
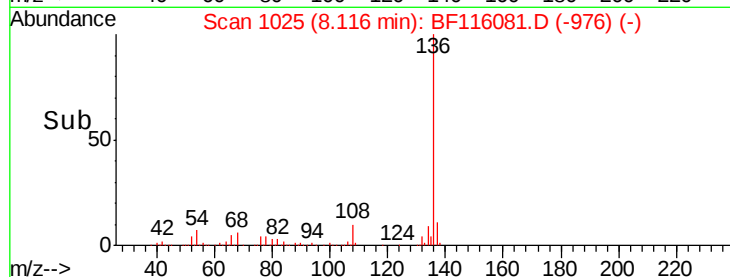


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.010 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

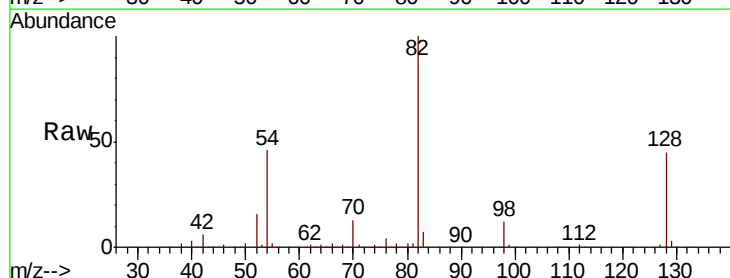
Tgt Ion: 82 Resp: 789923

Ion Ratio Lower Upper

82 100

128 44.7 36.5 54.7

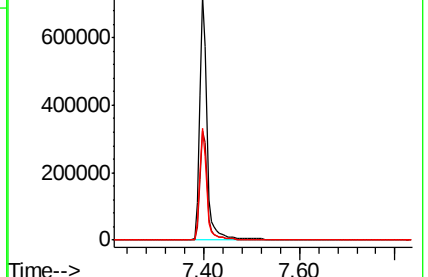
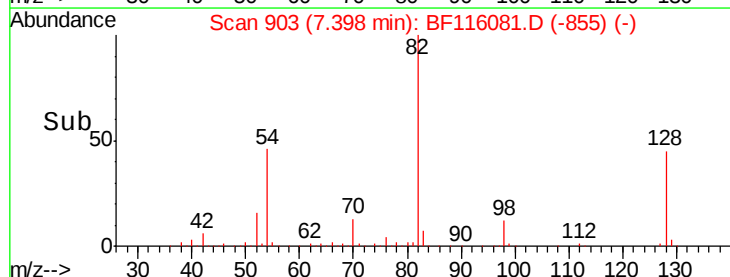
54 45.6 36.0 54.0



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: 48.164 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

Instrument :

BNA_F

ClientSampleId :

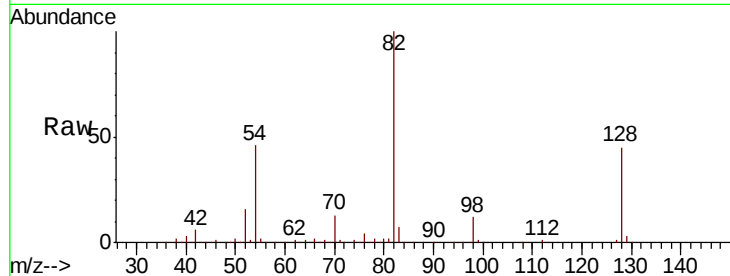
Tot Ion: 82 Resp: 790673

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

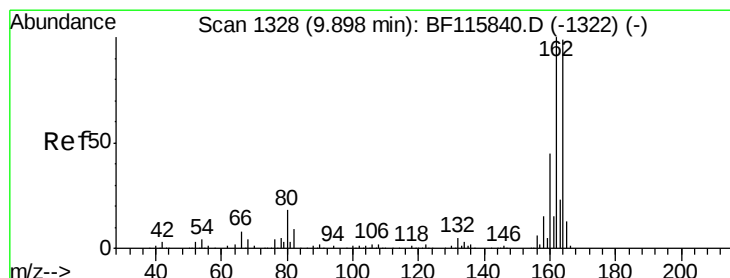
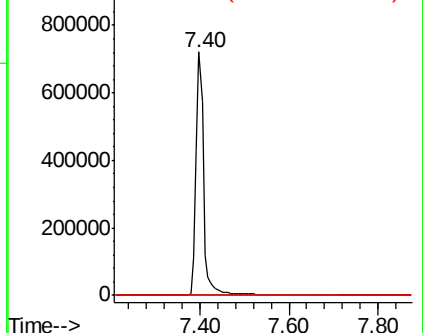
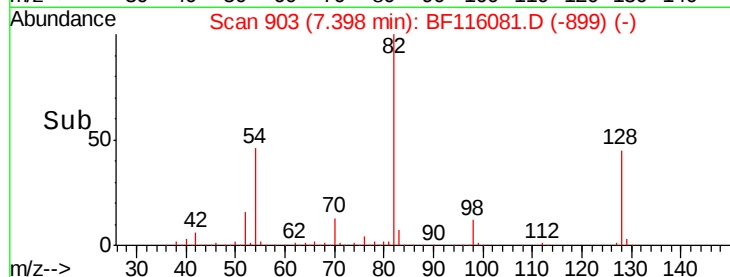
138 0.0 14.5 21.7#



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: BF116081.D

Acq: 8 Aug 2019 21:38

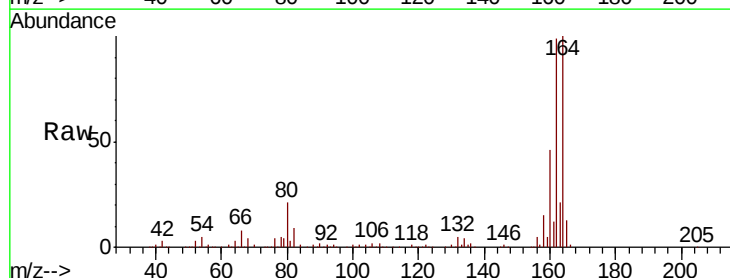
Tgt Ion:164 Resp: 269748

Ion Ratio Lower Upper

164 100

162 99.3 82.6 124.0

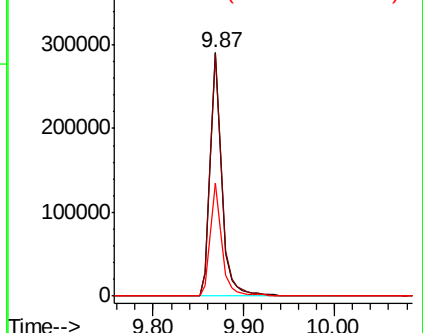
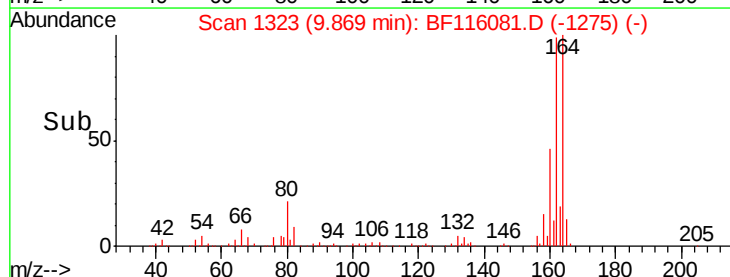
160 46.3 37.6 56.4



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: 141.571 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

Instrument :

BNA_F

ClientSampleId :

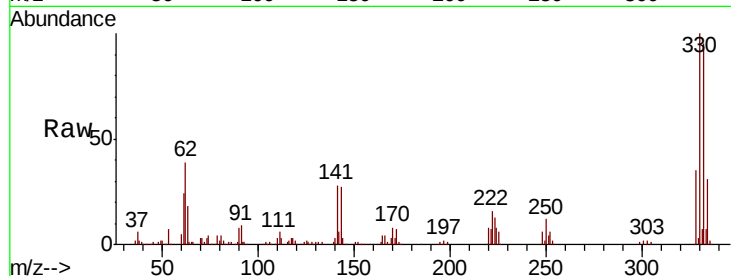
Tot Ion:330 Resp: 370249

Ion Ratio Lower Upper

330 100

332 96.6 76.8 115.2

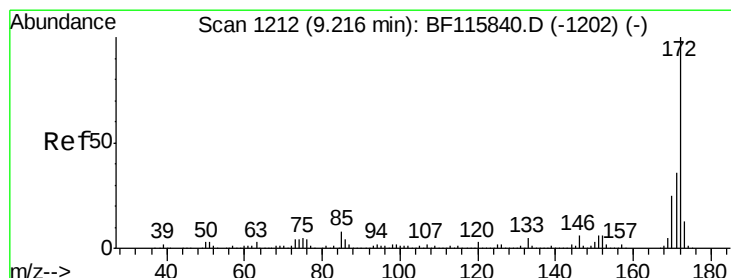
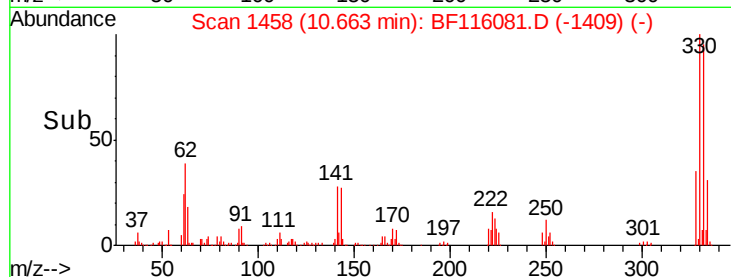
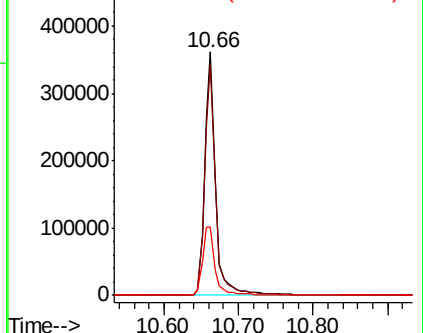
141 32.9 26.3 39.5



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: 94.410 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

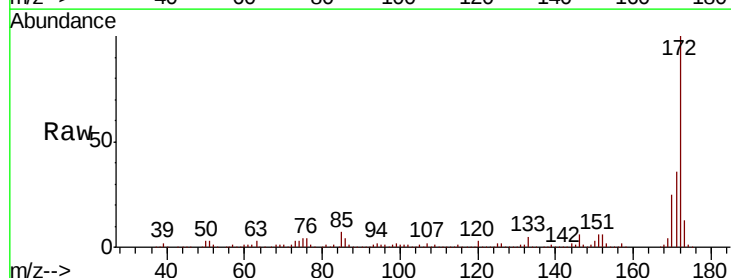
Tgt Ion:172 Resp: 1359629

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

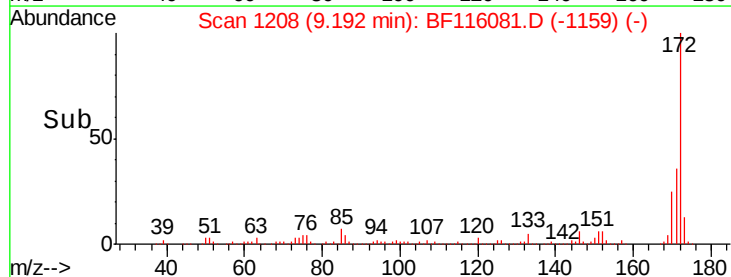
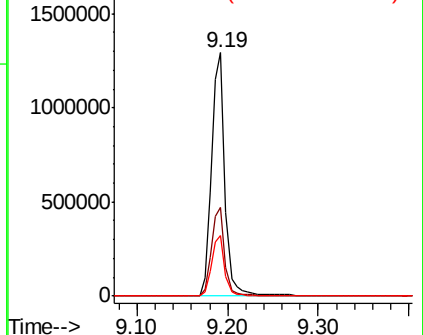
170 24.9 20.1 30.1

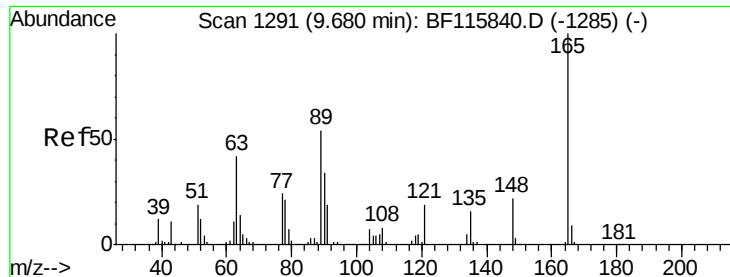


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

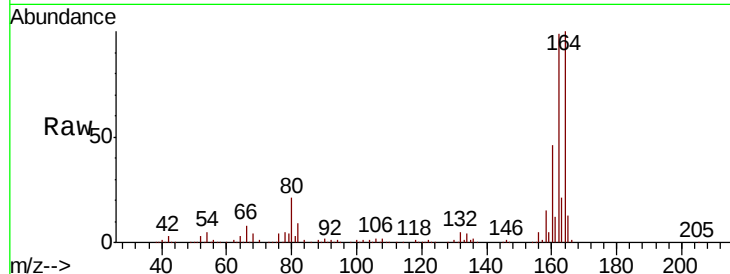




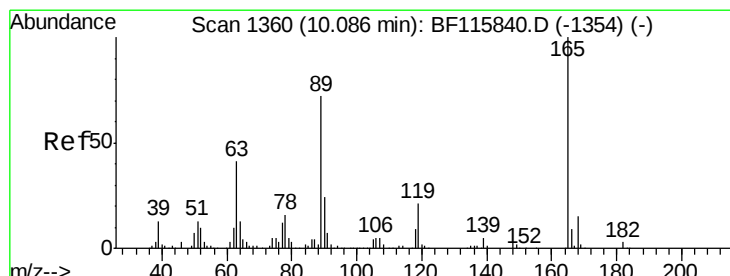
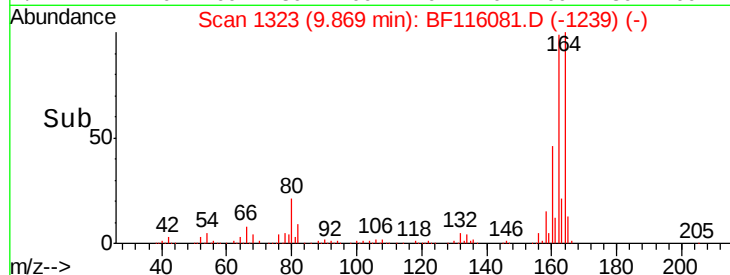
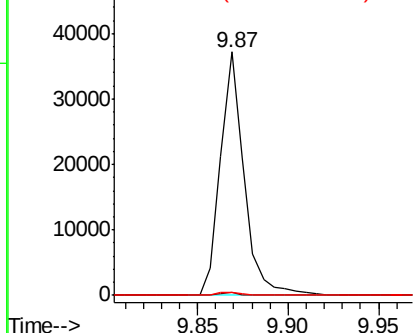
#51
 2,6-Dinitrotoluene
 Concen: 8.471 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116081.D
 Acq: 8 Aug 2019 21:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.2	57.2#
89	1.4	42.9	64.3#



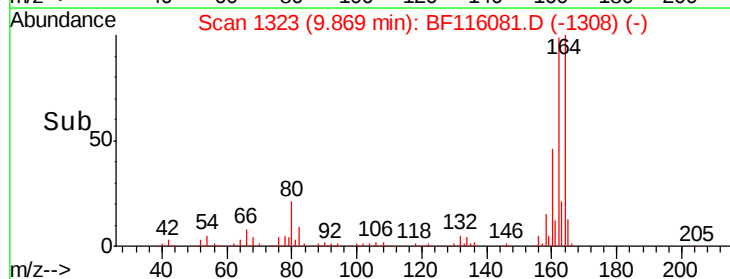
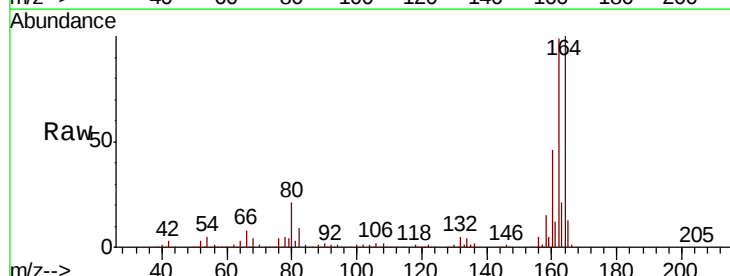
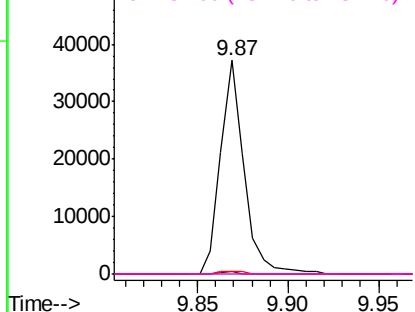
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 6.362 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116081.D
 Acq: 8 Aug 2019 21:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.6	59.4#
89	1.4	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: BF116081.D

Acq: 8 Aug 2019 21:38

Instrument :

BNA_F

ClientSampleId :

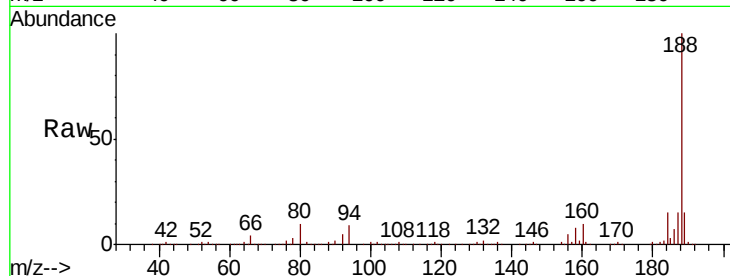
Tot Ion:188 Resp: 506333

Ion Ratio Lower Upper

188 100

94 9.3 8.1 12.1

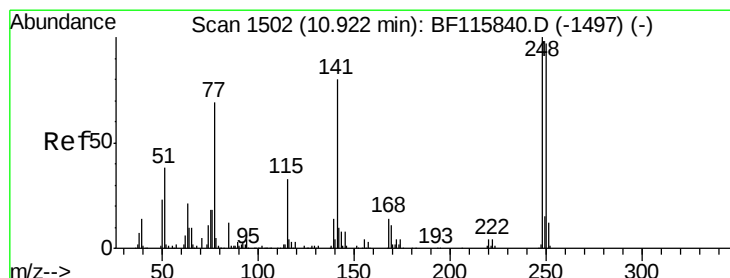
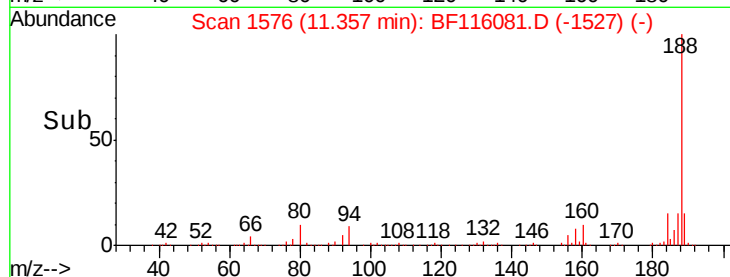
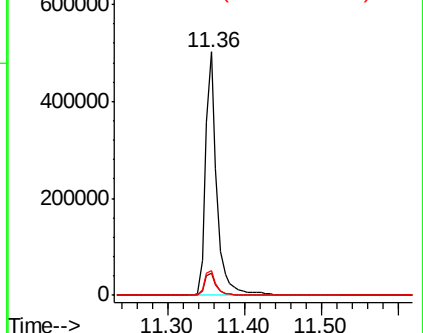
80 10.1 8.7 13.1



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: 4.129 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

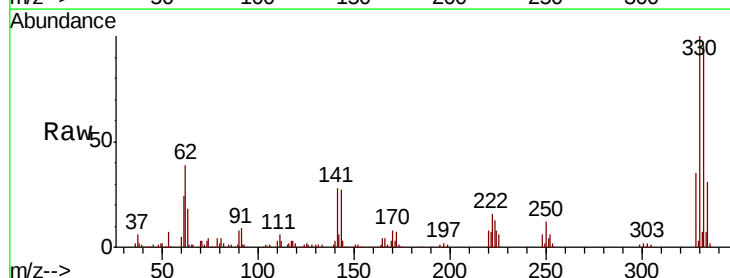
Tgt Ion:248 Resp: 22383

Ion Ratio Lower Upper

248 100

250 201.5 77.4 116.2#

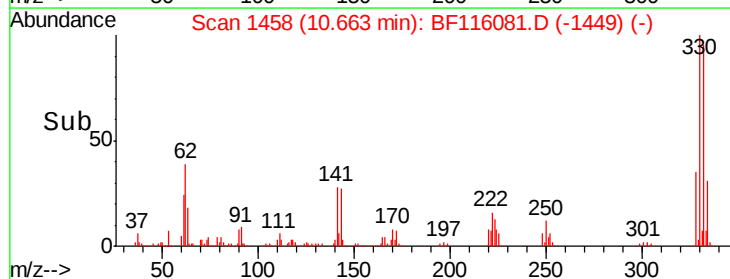
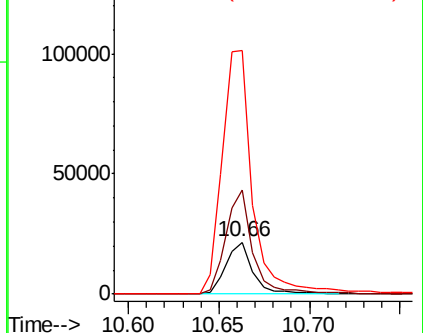
141 471.4 56.8 85.2#

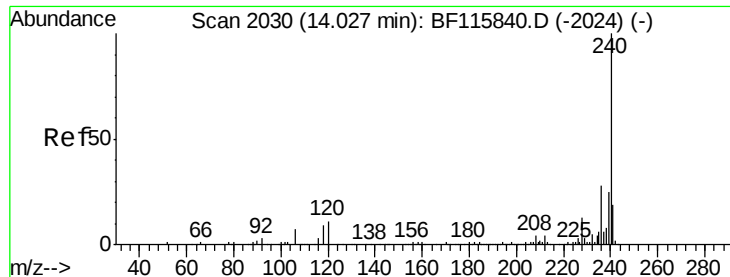


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

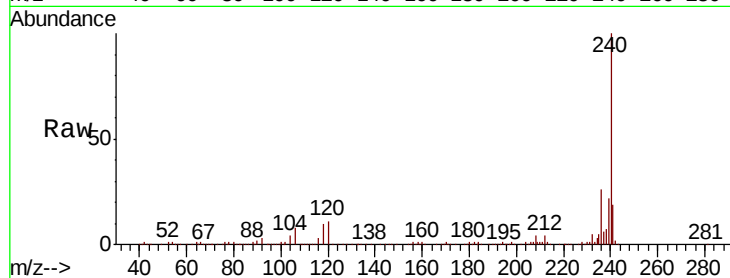




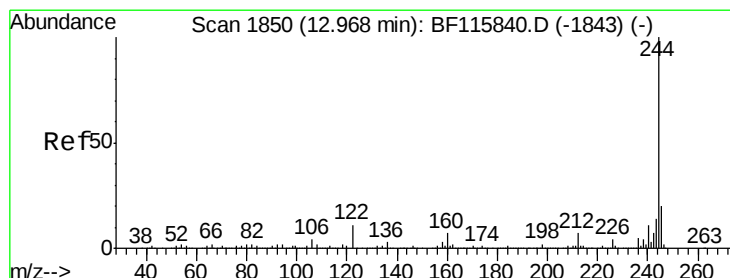
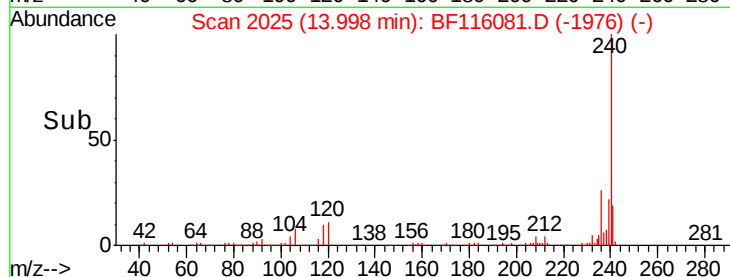
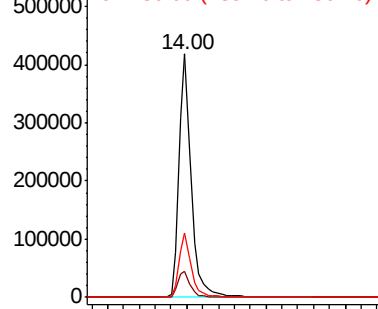
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116081.D
Acq: 8 Aug 2019 21:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 448855
Ion Ratio Lower Upper
240 100
120 10.9 10.7 16.1
236 26.4 22.2 33.2

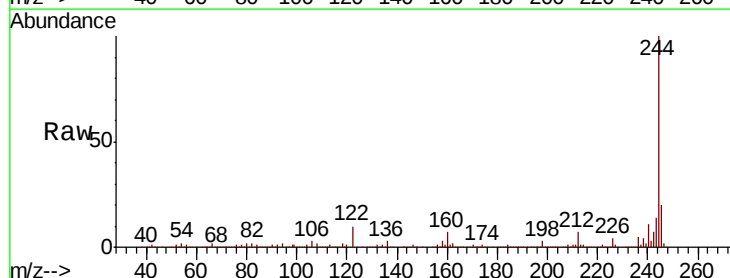


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

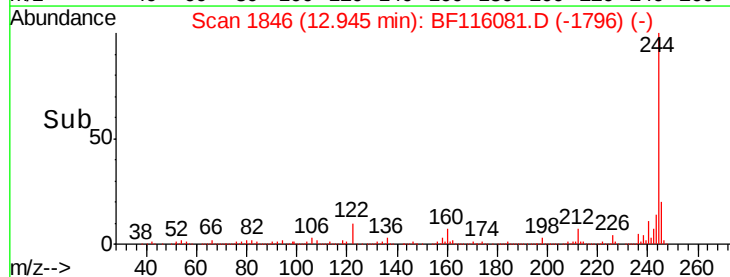
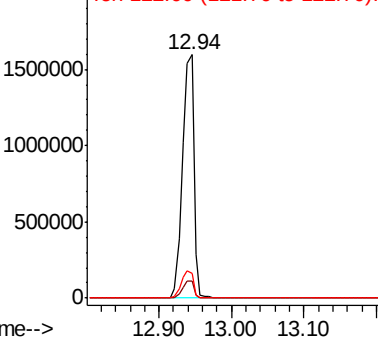


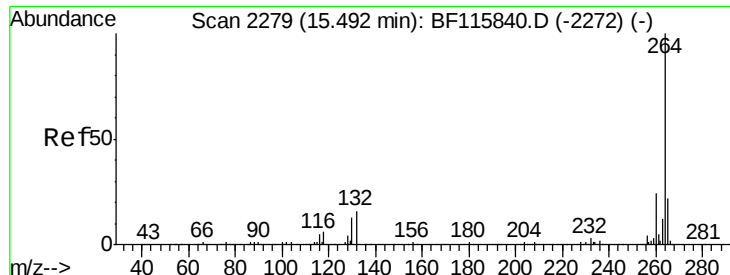
#79
Terphenyl-d14
Concen: 82.575 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116081.D
Acq: 8 Aug 2019 21:38

Tgt Ion:244 Resp: 1758958
Ion Ratio Lower Upper
244 100
212 7.1 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

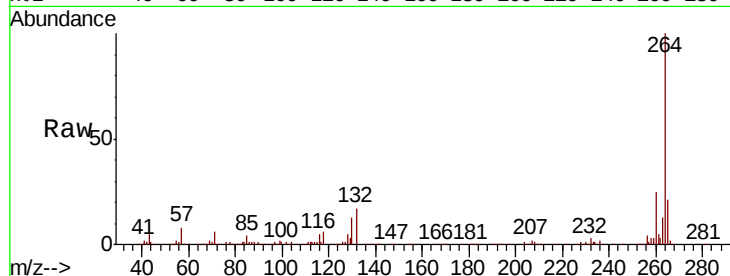




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF116081.D
 Acq: 8 Aug 2019 21:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	21.1	17.4	26.0



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

