

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116118.D
 Acq On : 9 Aug 2019 17:56
 Operator : HP/JU
 Sample : K4244-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 04:34:38 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

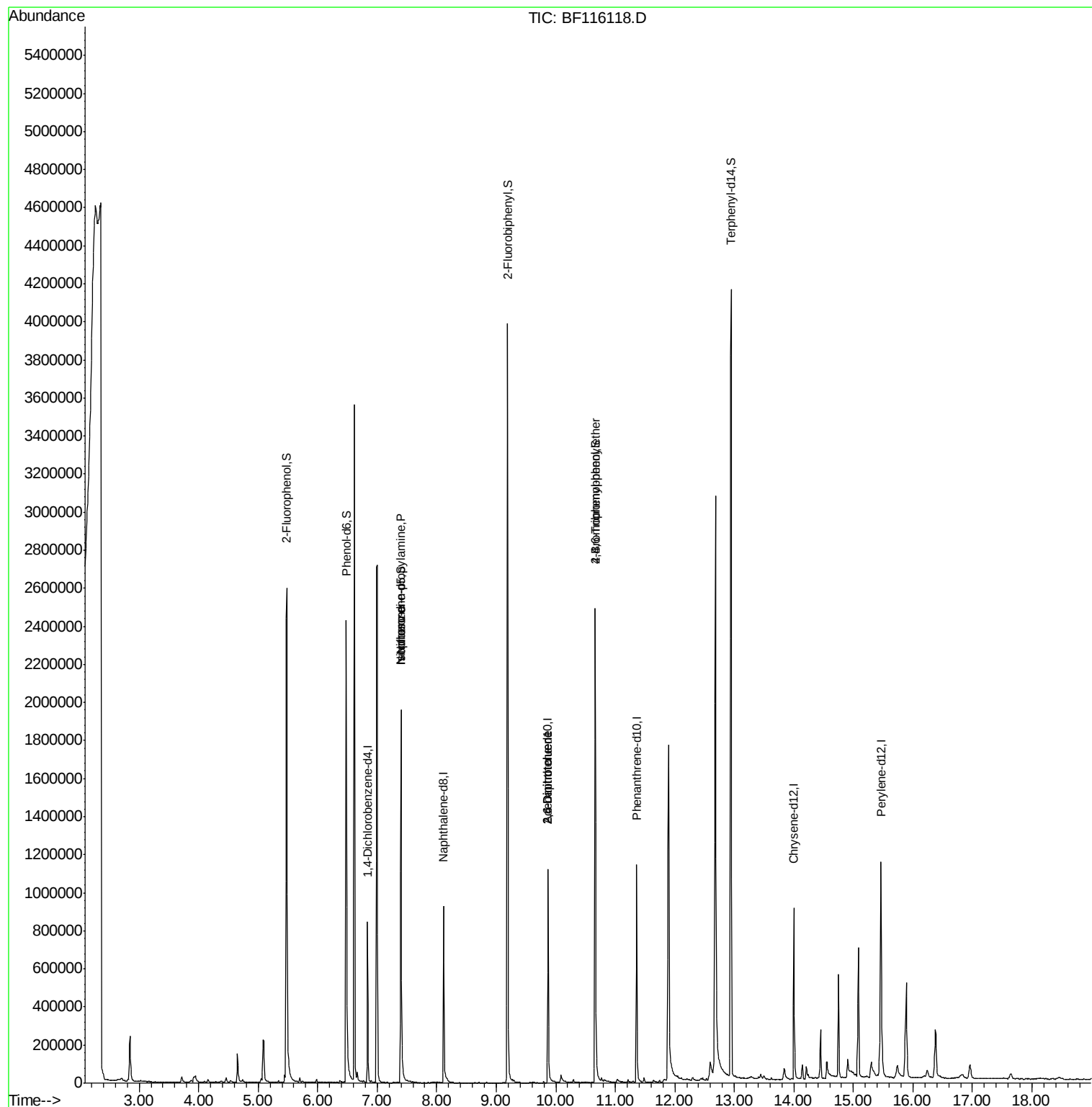
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	122915	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	468043	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	248196	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	440514	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	343602	20.00	ng	-0.01
87) Perylene-d12	15.47	264	335951	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	900389	122.63	ng	0.01
7) Phenol-d6	6.48	99	1083974	117.01	ng	0.00
23) Nitrobenzene-d5	7.40	82	835838	103.08	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	351017	145.87	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1409787	106.39	ng	-0.01
79) Terphenyl-d14	12.95	244	1575973	96.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	110080	19.176	ng	# 79
25) Isophorone	7.40	82	835888	53.912	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	31340	8.534	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	31340	6.409	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	21608	4.582	ng	# 1

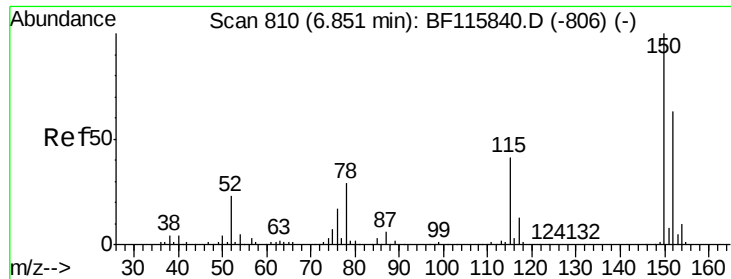
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF116118.D

Acq: 9 Aug 2019 17:56

Instrument :

BNA_F

ClientSampleId :

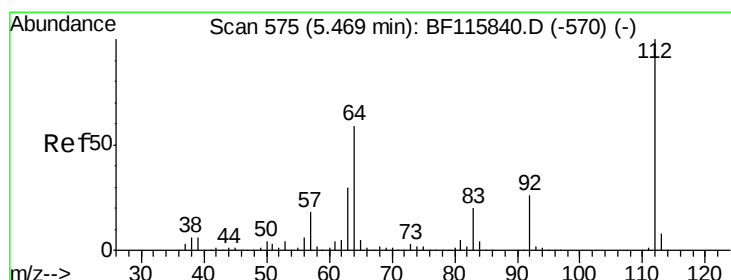
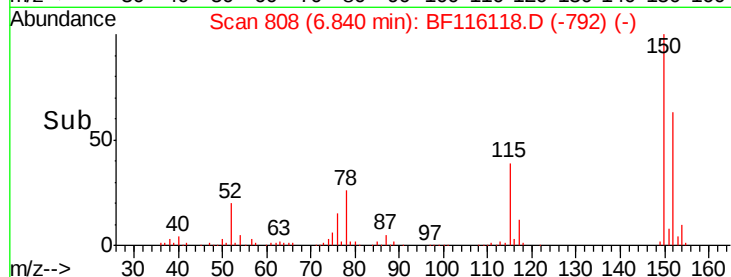
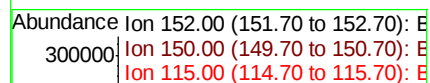
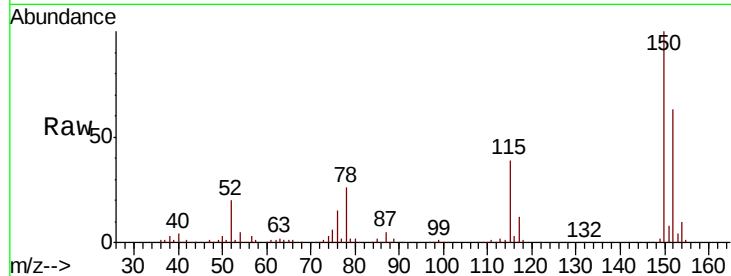
Tot Ion:152 Resp: 122915

Ion Ratio Lower Upper

152 100

150 158.5 126.2 189.2

115 61.3 49.9 74.9



#5

2-Fluorophenol

Concen: 122.630 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF116118.D

Acq: 9 Aug 2019 17:56

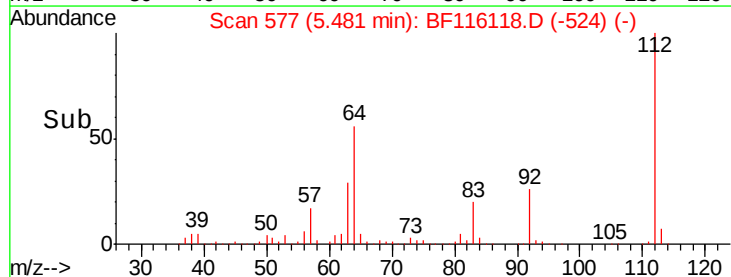
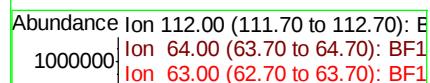
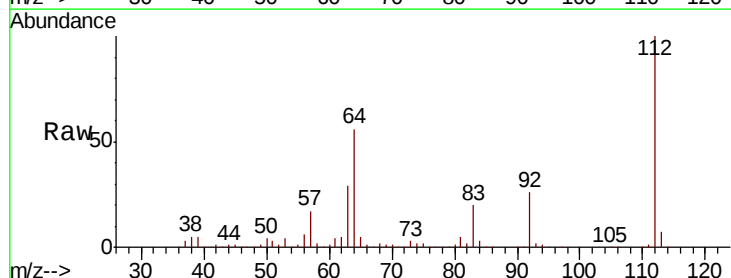
Tgt Ion:112 Resp: 900389

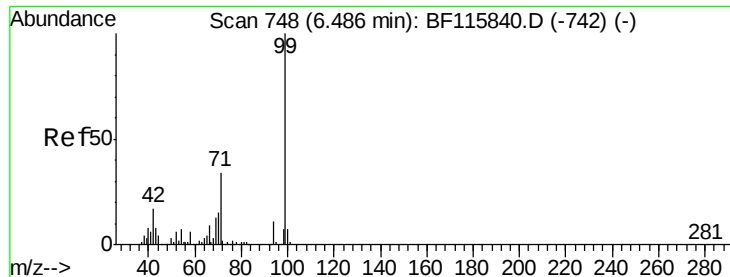
Ion Ratio Lower Upper

112 100

64 55.7 45.4 68.2

63 29.1 23.7 35.5





#7

Phenol-d6

Concen: 117.014 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116118.D

Acq: 9 Aug 2019 17:56

Instrument :

BNA_F

ClientSampleId :

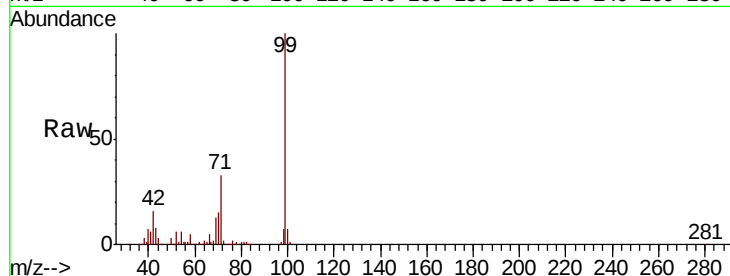
Tot Ion: 99 Resp: 1083974

Ion Ratio Lower Upper

99 100

42 16.2 13.8 20.8

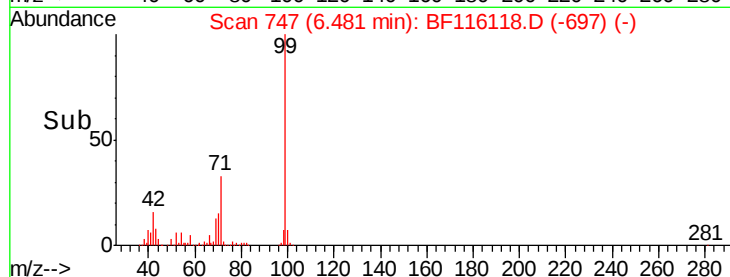
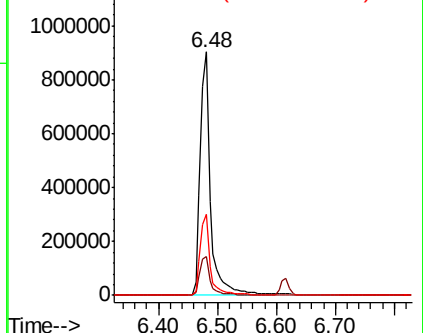
71 33.1 27.3 40.9



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: 19.176 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116118.D

Acq: 9 Aug 2019 17:56

Tgt Ion: 70 Resp: 110080

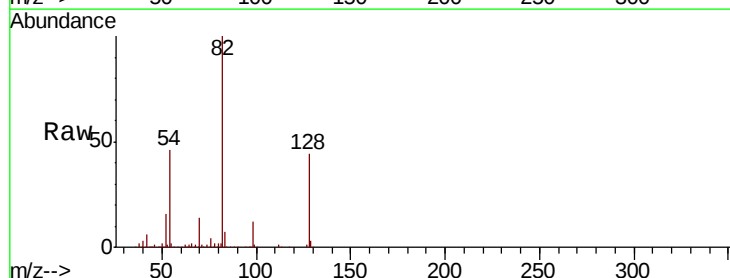
Ion Ratio Lower Upper

70 100

42 43.2 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

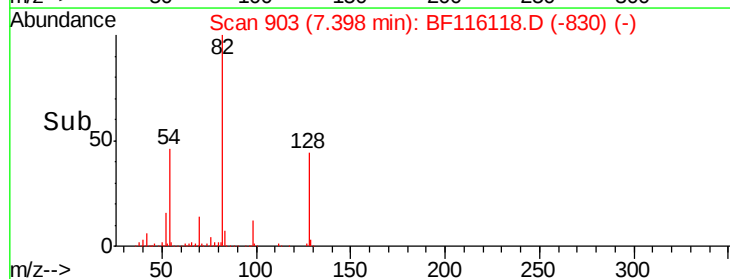
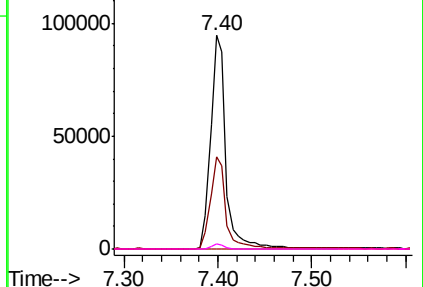


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116118.D

Acq: 9 Aug 2019 17:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 468043

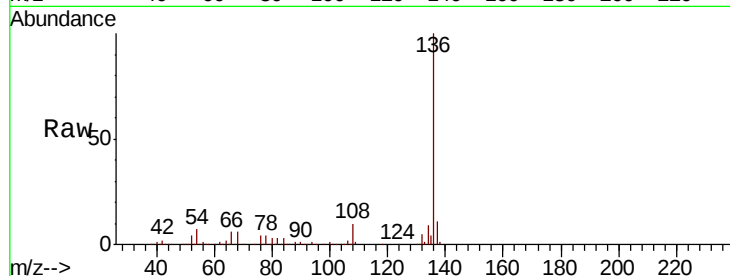
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 7.0 5.8 8.6

68 6.2 5.2 7.8

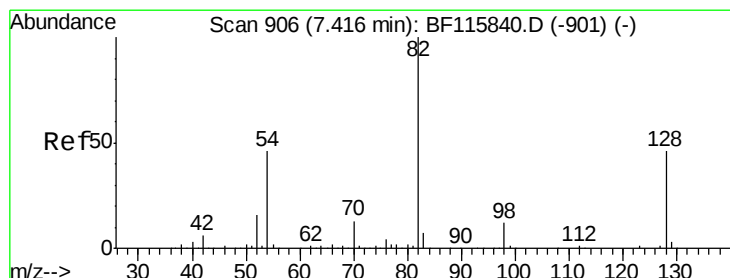
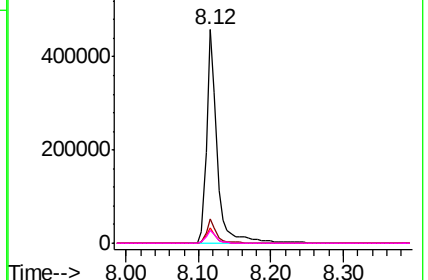
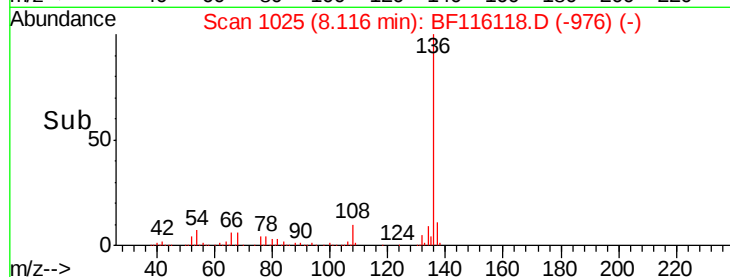


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.083 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116118.D

Acq: 9 Aug 2019 17:56

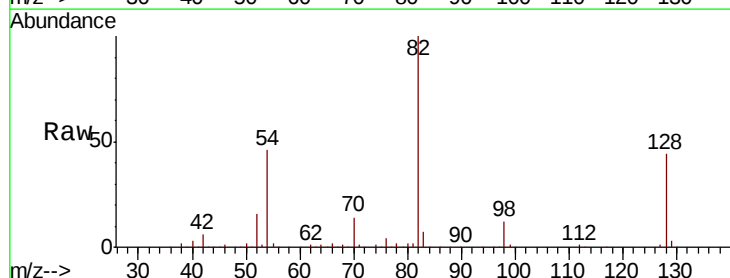
Tgt Ion: 82 Resp: 835838

Ion Ratio Lower Upper

82 100

128 43.8 36.5 54.7

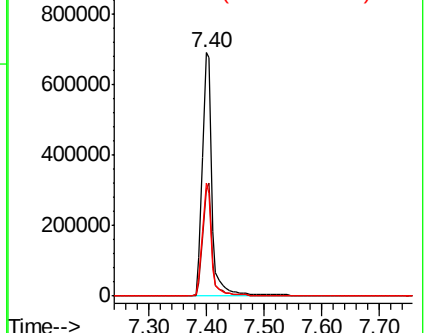
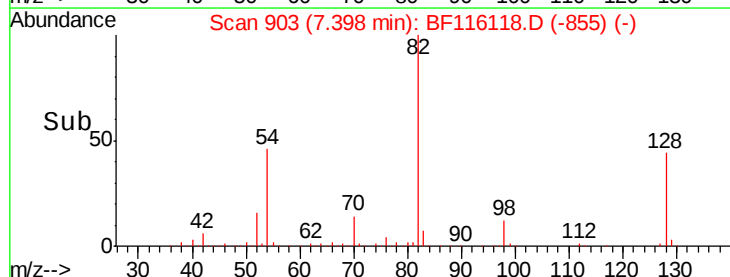
54 46.5 36.0 54.0



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: 53.912 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116118.D

Acq: 9 Aug 2019 17:56

Instrument :

BNA_F

ClientSampleId :

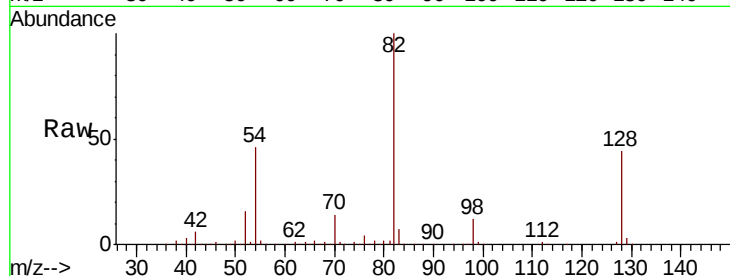
Tot Ion: 82 Resp: 835888

Ion Ratio Lower Upper

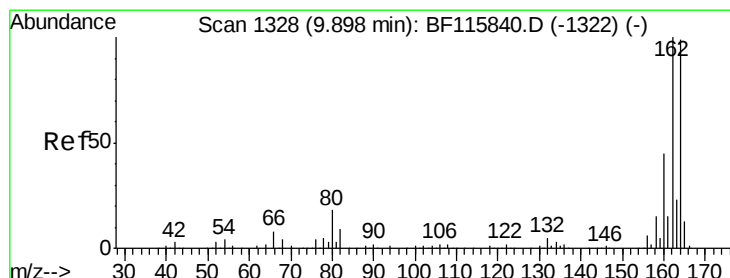
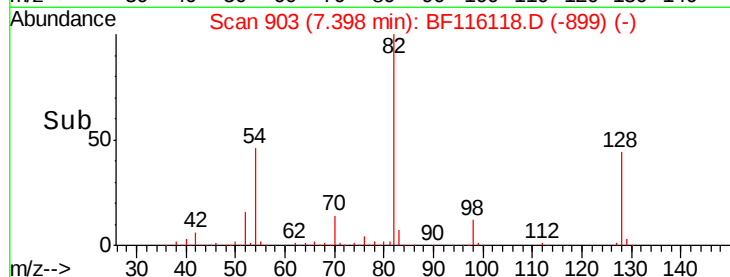
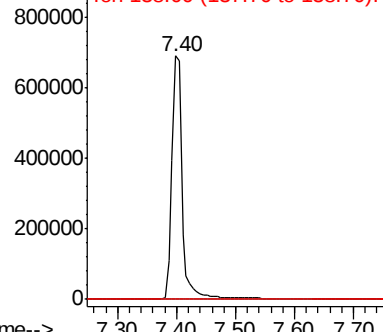
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116118.D

Acq: 9 Aug 2019 17:56

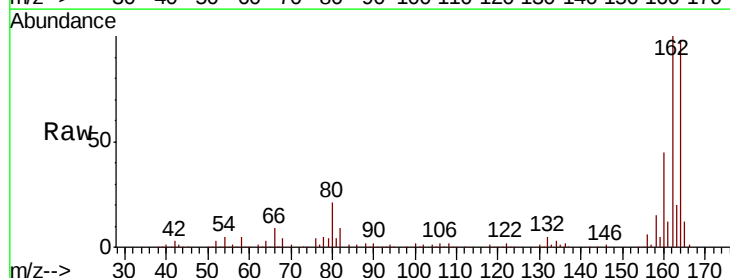
Tgt Ion: 164 Resp: 248196

Ion Ratio Lower Upper

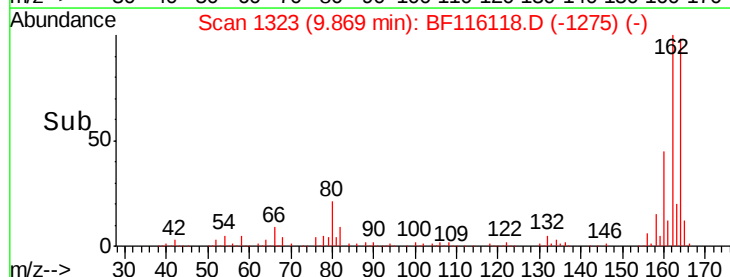
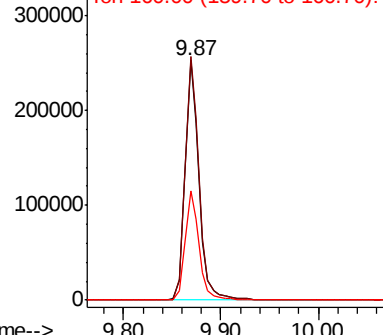
164 100

162 101.6 82.6 124.0

160 45.6 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: 145.872 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116118.D

Acq: 9 Aug 2019 17:56

Instrument :

BNA_F

ClientSampleId :

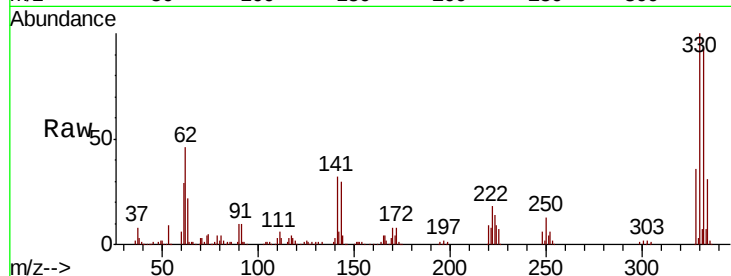
Tot Ion:330 Resp: 351017

Ion Ratio Lower Upper

330 100

332 95.4 76.8 115.2

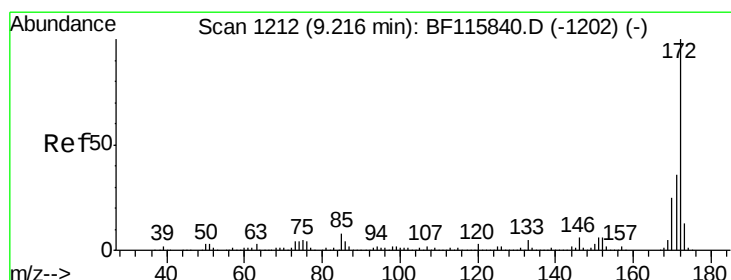
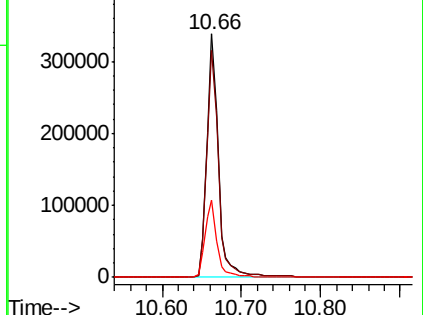
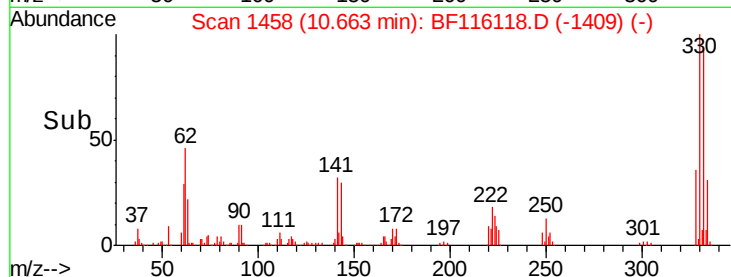
141 33.3 26.3 39.5



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: 106.393 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116118.D

Acq: 9 Aug 2019 17:56

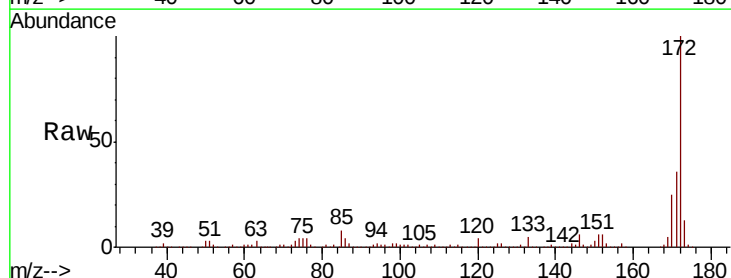
Tgt Ion:172 Resp: 1409787

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

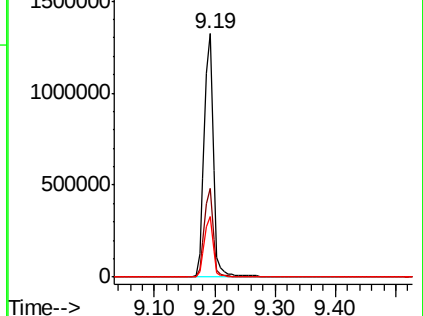
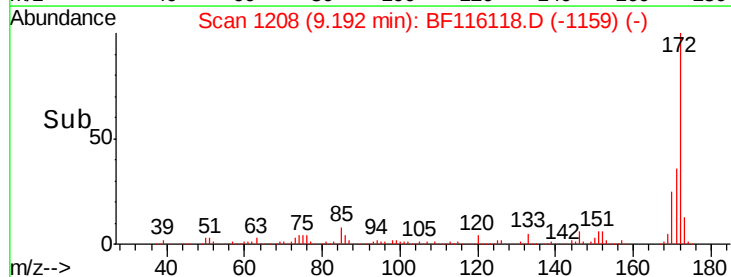
170 25.0 20.1 30.1

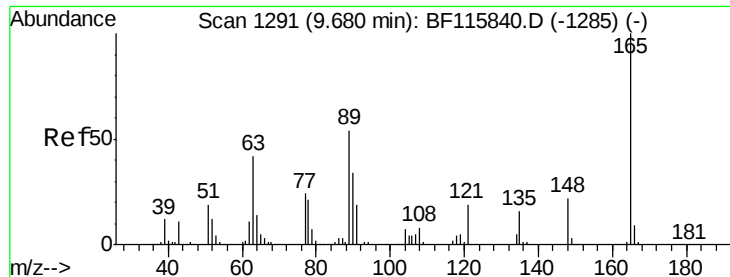


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

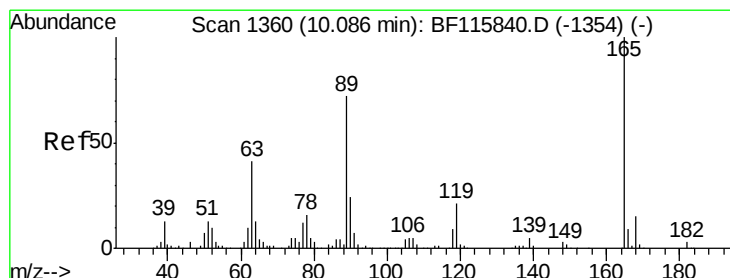
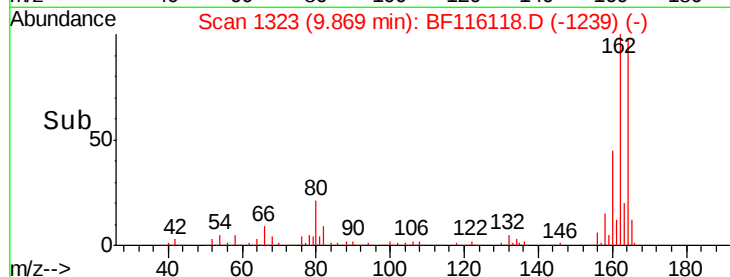
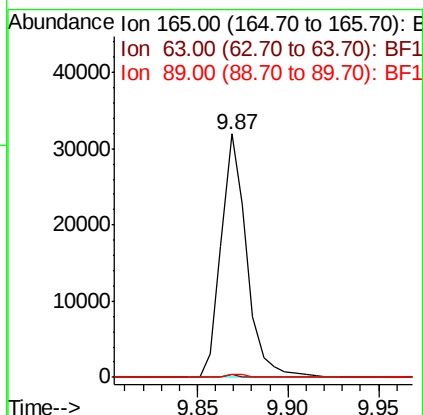
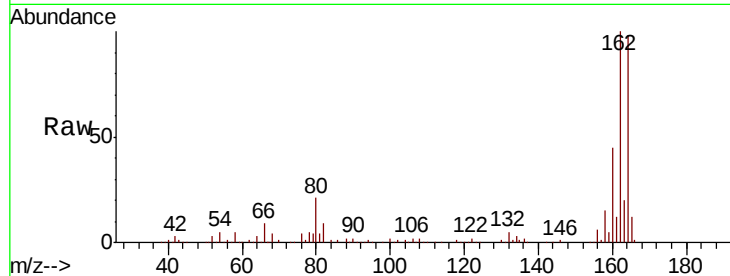




#51
 2,6-Dinitrotoluene
 Concen: 8.534 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116118.D
 Acq: 9 Aug 2019 17:56

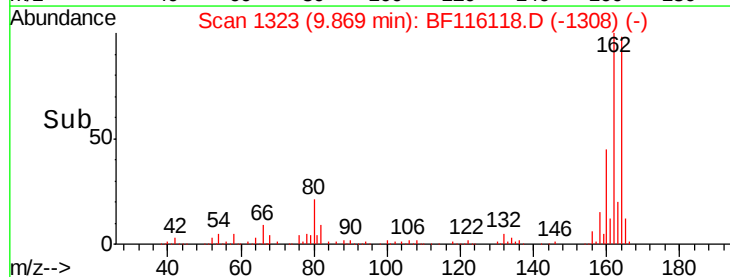
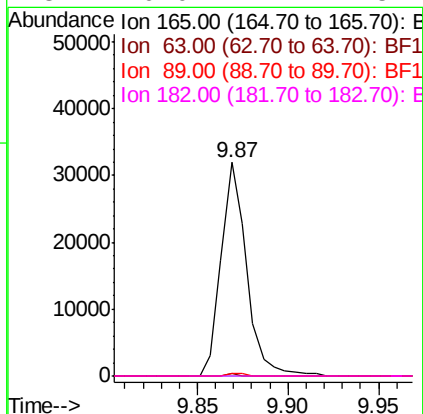
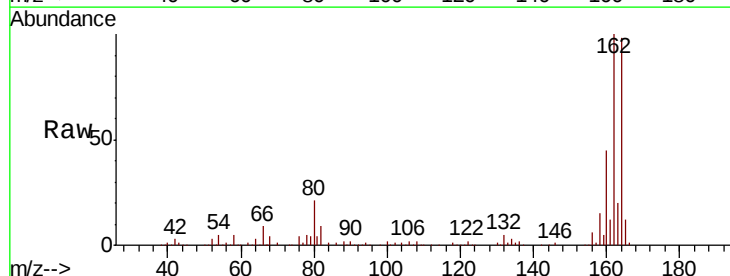
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	38.2	57.2#
89	1.3	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.409 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116118.D
 Acq: 9 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	39.6	59.4#
89	1.3	62.2	93.2#
182	0.0	2.1	3.1#

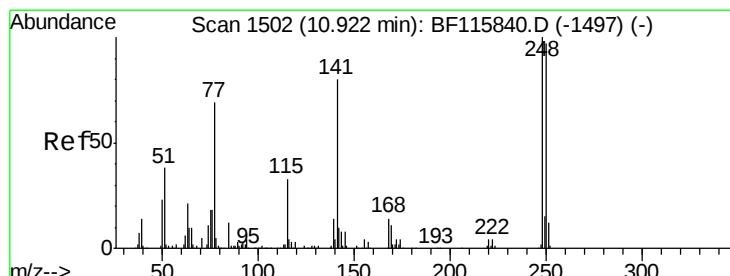
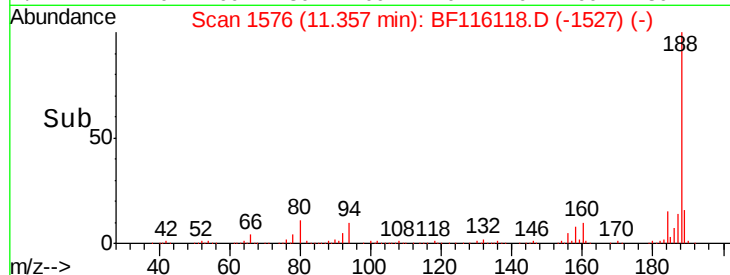
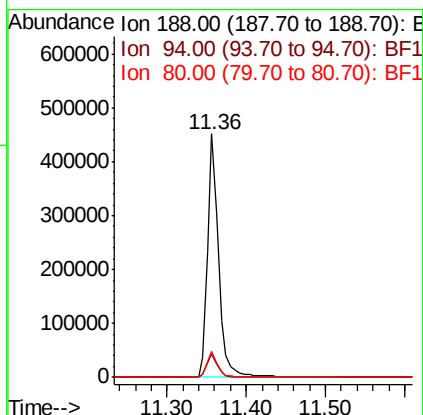
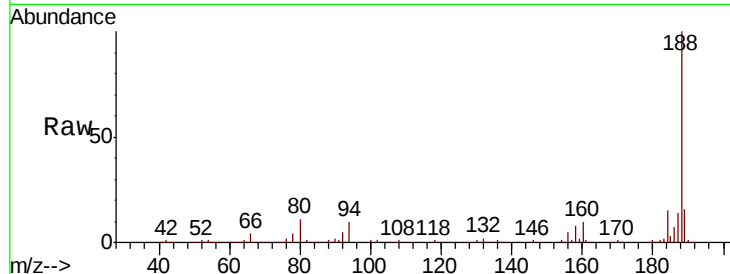




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116118.D
 Acq: 9 Aug 2019 17:56

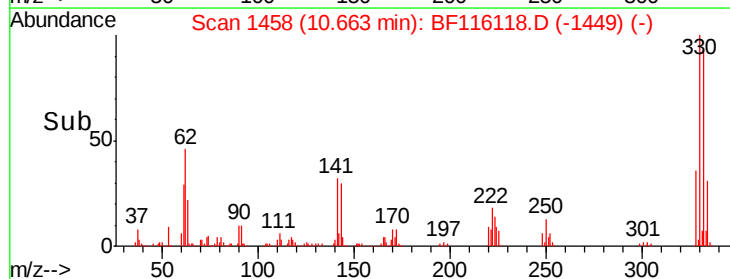
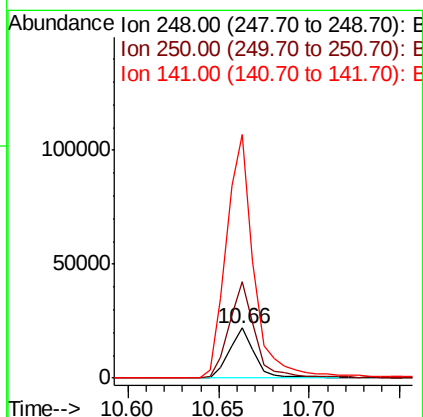
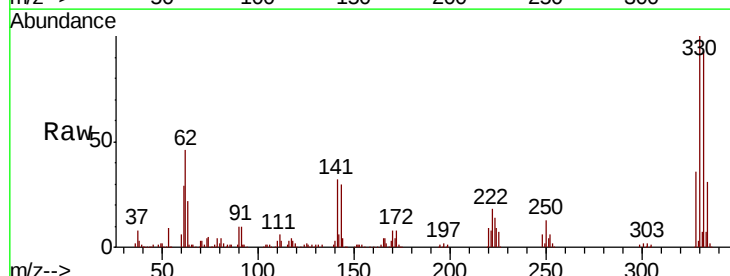
Instrument :
 BNA_F
 ClientSampleId :

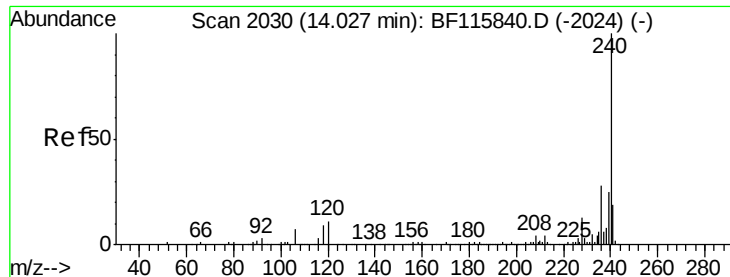
Tot Ion:188 Resp: 440514
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.1 12.1
 80 10.9 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.582 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116118.D
 Acq: 9 Aug 2019 17:56

Tgt Ion:248 Resp: 21608
 Ion Ratio Lower Upper
 248 100
 250 194.3 77.4 116.2#
 141 487.6 56.8 85.2#

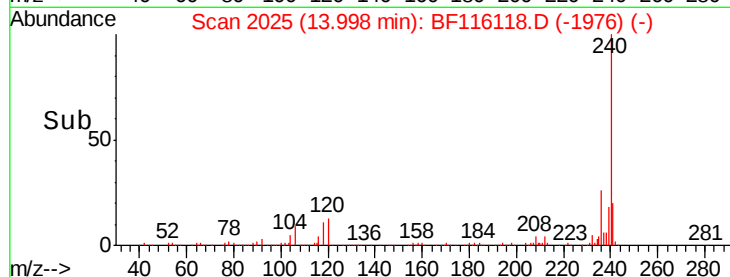
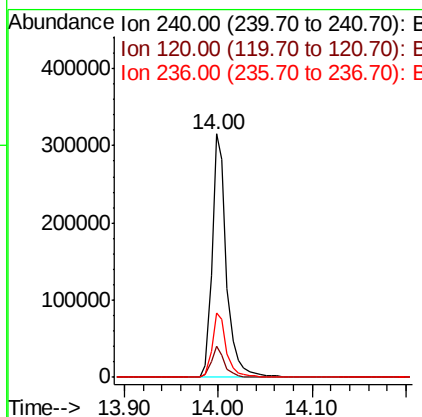
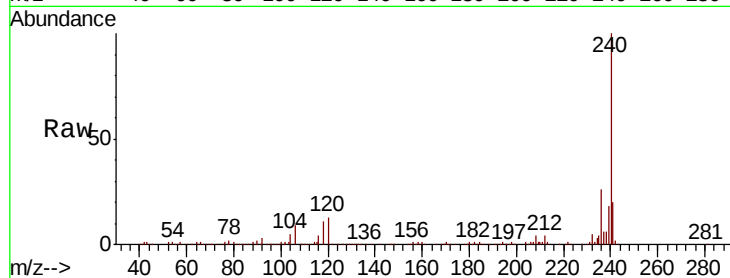




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116118.D
Acq: 9 Aug 2019 17:56

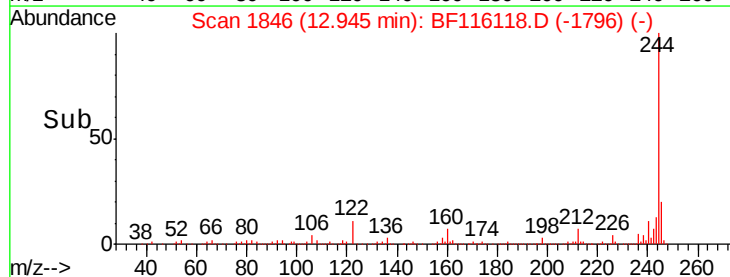
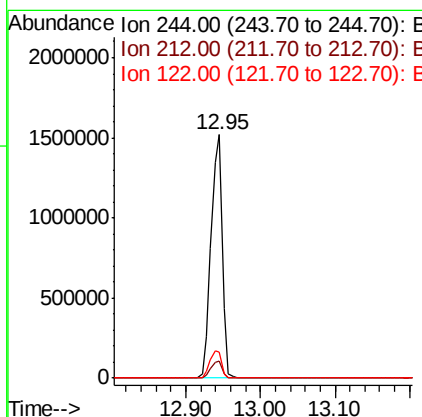
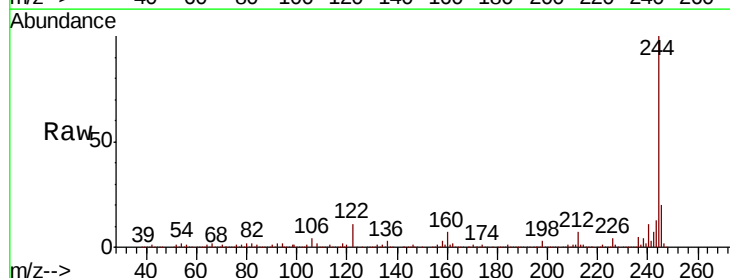
Instrument :
BNA_F
ClientSampleId :

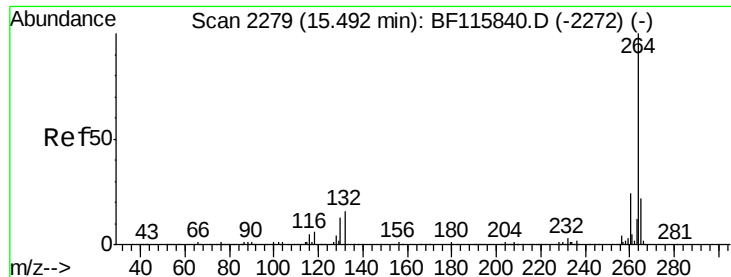
Tot Ion:240 Resp: 343602
Ion Ratio Lower Upper
240 100
120 12.8 10.7 16.1
236 26.4 22.2 33.2



#79
Terphenyl-d14
Concen: 96.648 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116118.D
Acq: 9 Aug 2019 17:56

Tgt Ion:244 Resp: 1575973
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 10.7 9.0 13.4

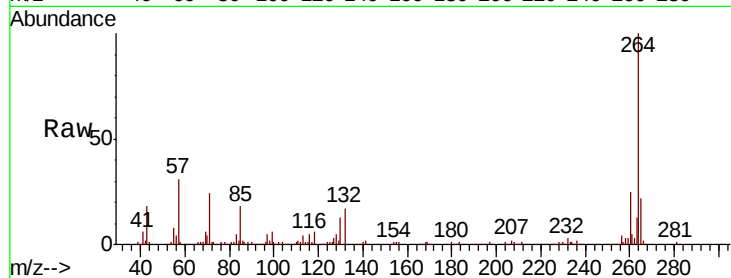




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116118.D
 Acq: 9 Aug 2019 17:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	21.7	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

