

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116006.D
 Acq On : 6 Aug 2019 12:02
 Operator : HP/JU
 Sample : PB121978BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:12:04 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

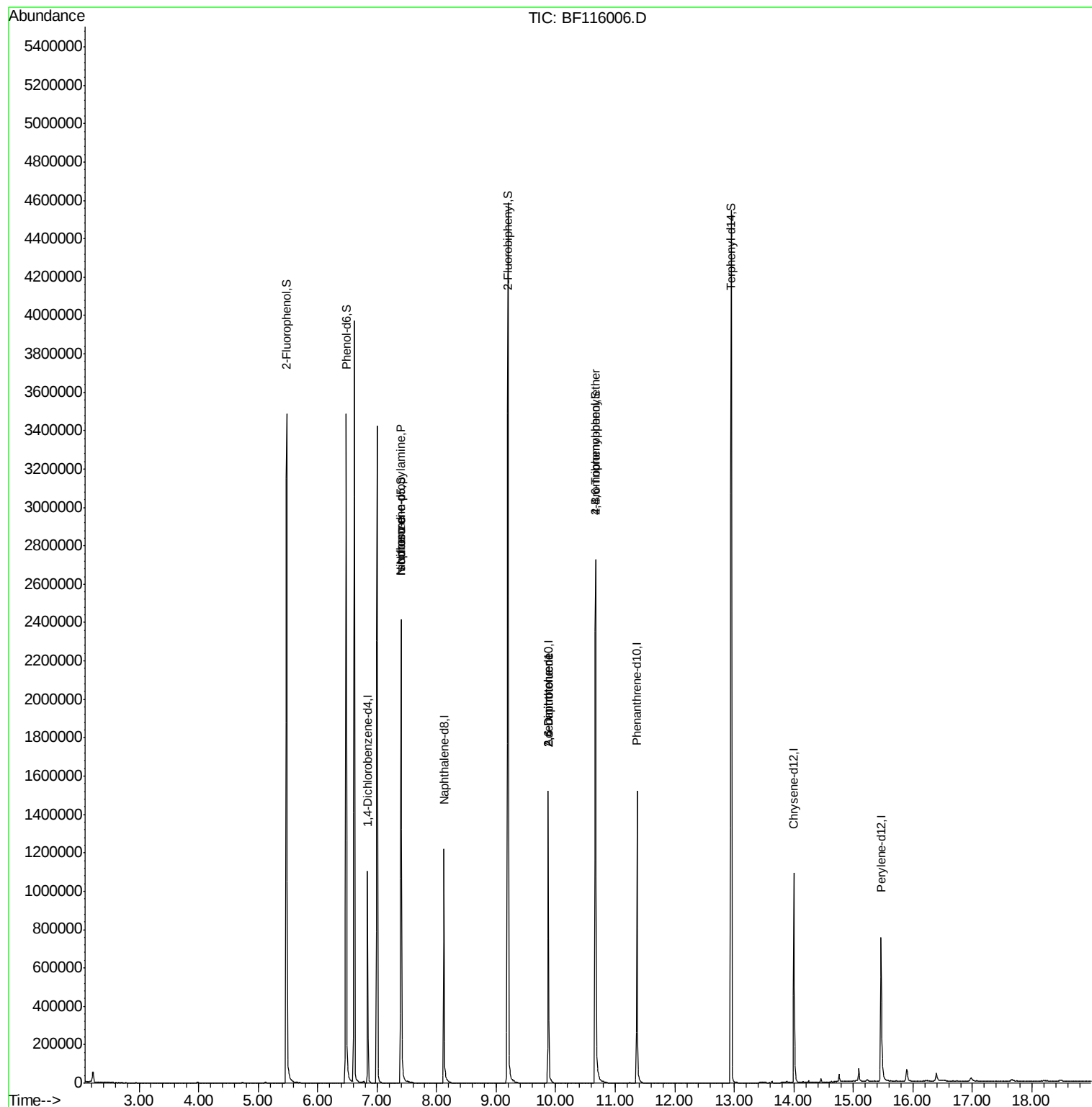
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	161215	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	632429	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	339903	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	609170	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	444241	20.00	ng	-0.02
87) Perylene-d12	15.46	264	420555	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1125602	116.88	ng	0.01
7) Phenol-d6	6.48	99	1456071	119.84	ng	0.00
23) Nitrobenzene-d5	7.40	82	978170	89.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	409847	124.37	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1709815	94.22	ng	-0.02
79) Terphenyl-d14	12.95	244	1881212	89.23	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	128646	17.086	ng	# 77
25) Isophorone	7.40	82	978164	46.690	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	42497	8.450	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	42497	6.346	ng	# 24
67) 4-Bromophenyl-phenylether	10.67	248	25126	3.853	ng	# 1

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

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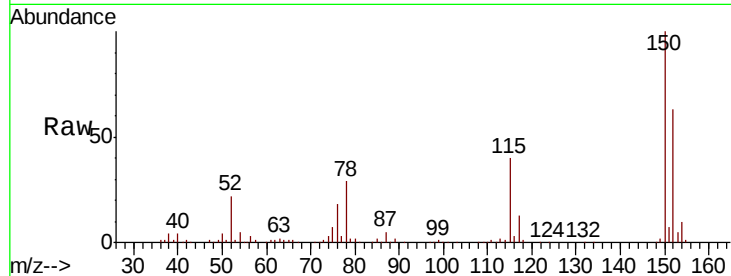


#1

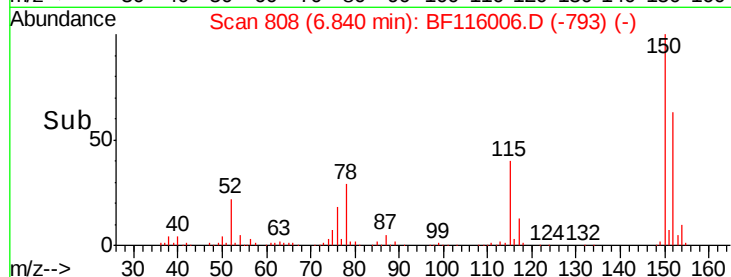
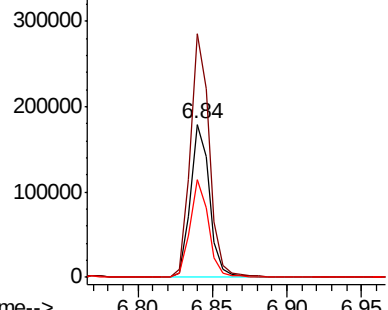
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116006.D
Acq: 6 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161215
Ion Ratio Lower Upper
152 100
150 158.9 127.4 191.0
115 63.7 51.8 77.8



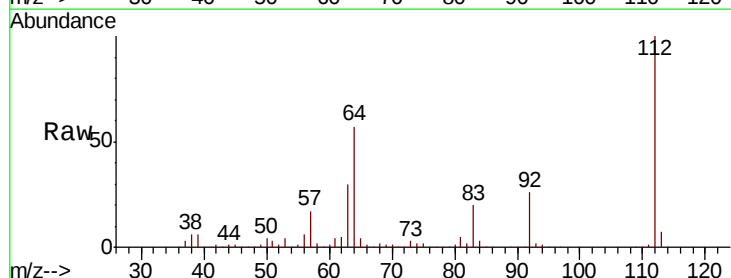
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



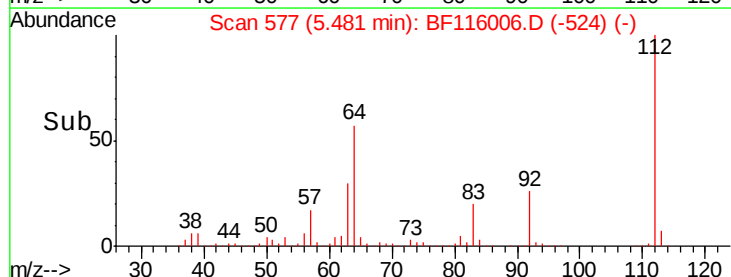
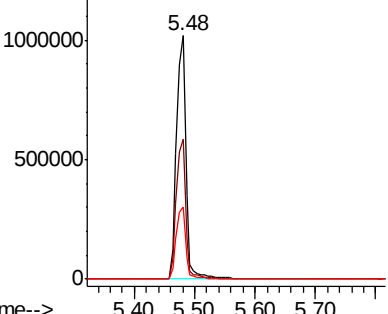
#5

2-Fluorophenol
Concen: 116.883 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF116006.D
Acq: 6 Aug 2019 12:02

Tgt Ion:112 Resp: 1125602
Ion Ratio Lower Upper
112 100
64 57.5 46.8 70.2
63 29.5 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: 119.840 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116006.D

Acq: 6 Aug 2019 12:02

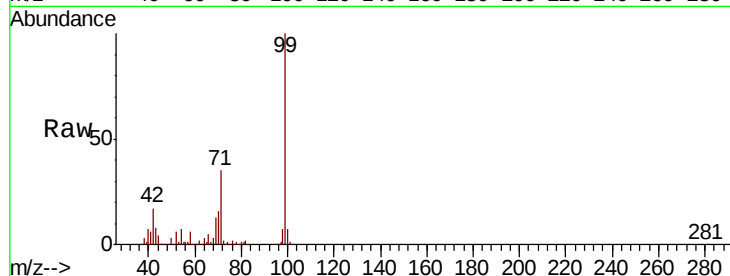
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1456071

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.8	20.6
71	35.0	27.1	40.7

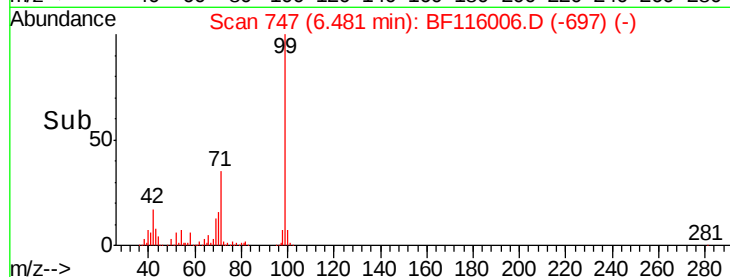
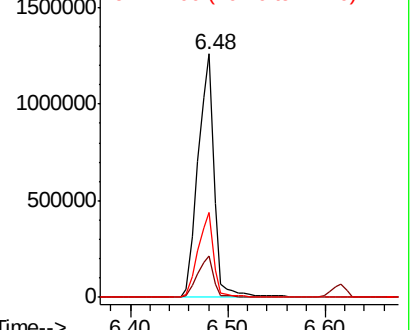


Abundance

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: 17.086 ng

RT: 7.40 min Scan# 904

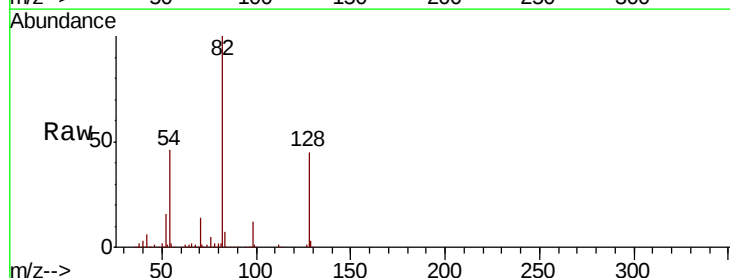
Delta R.T. 0.14 min

Lab File: BF116006.D

Acq: 6 Aug 2019 12:02

Tgt Ion: 70 Resp: 128646

Ion	Ratio	Lower	Upper
70	100		
42	42.6	41.8	62.8
101	0.0	7.7	11.5#
130	2.1	17.8	26.6#



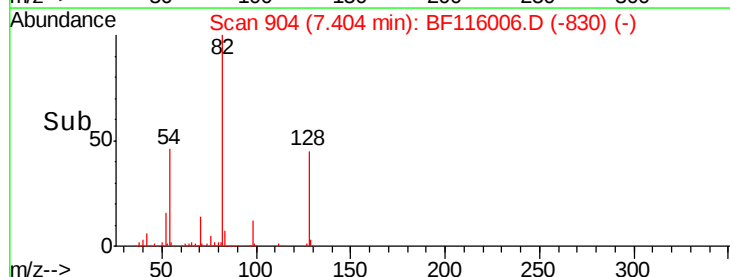
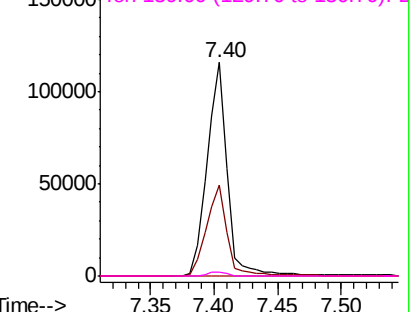
Abundance

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: BF116006.D

Acq: 6 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 632429

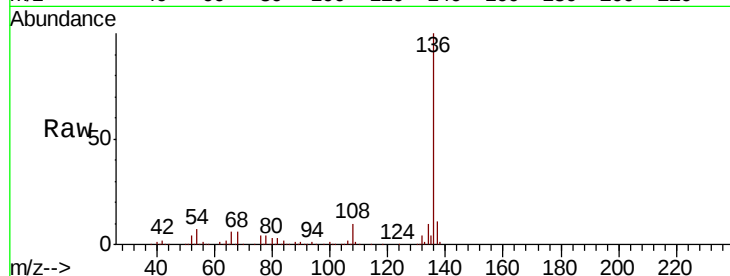
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.3 6.1 9.1

68 6.4 5.4 8.2

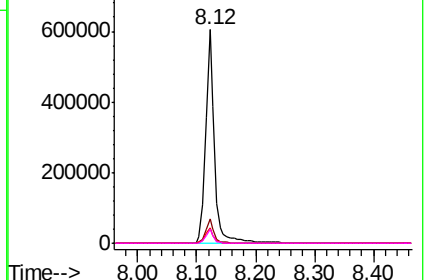
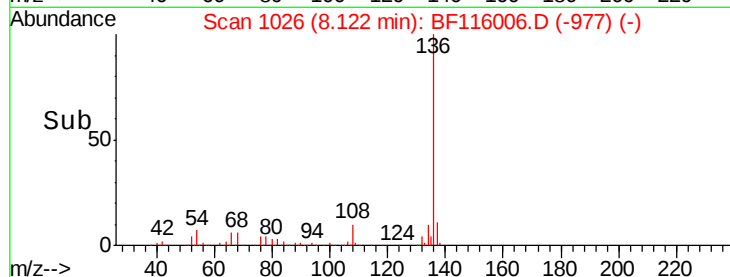


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.280 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116006.D

Acq: 6 Aug 2019 12:02

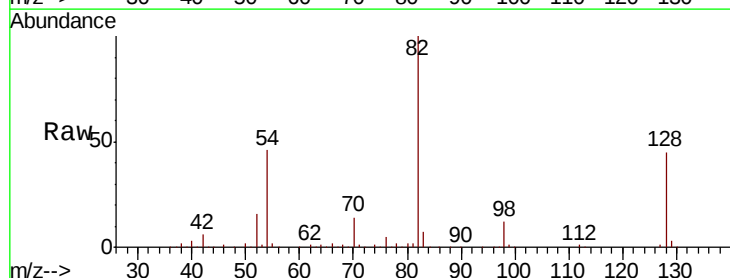
Tgt Ion: 82 Resp: 978170

Ion Ratio Lower Upper

82 100

128 45.3 36.6 55.0

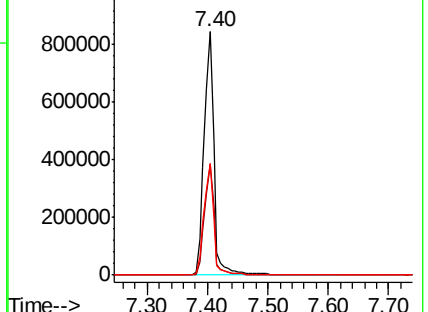
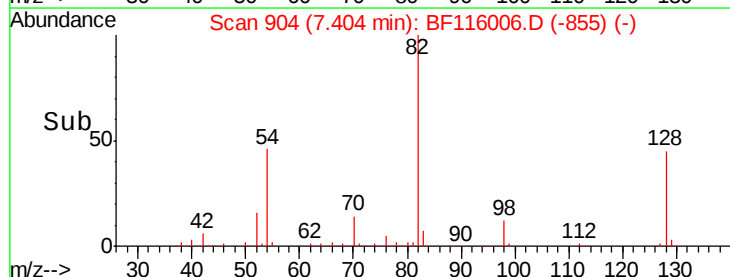
54 46.0 36.6 55.0



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: 46.690 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116006.D

Acq: 6 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

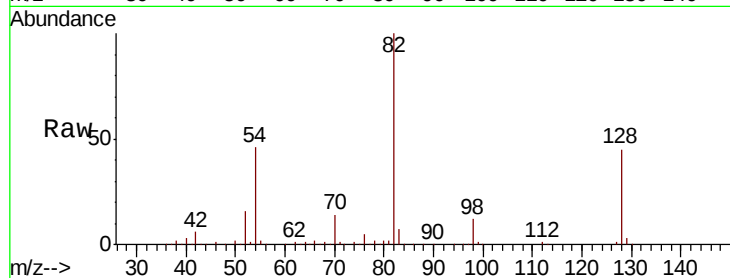
Tot Ion: 82 Resp: 978164

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

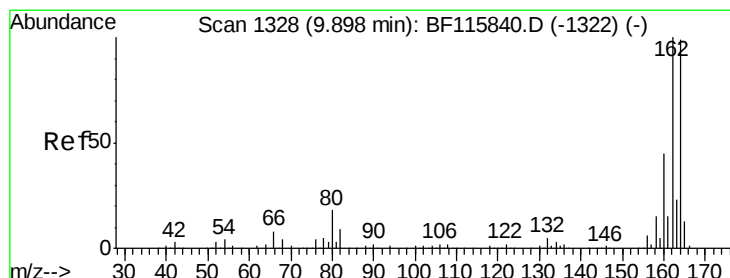
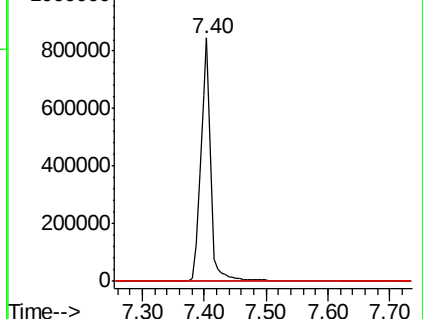
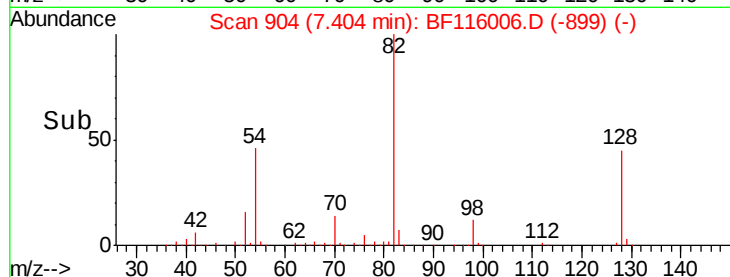
138 0.0 13.9 20.9#



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: BF116006.D

Acq: 6 Aug 2019 12:02

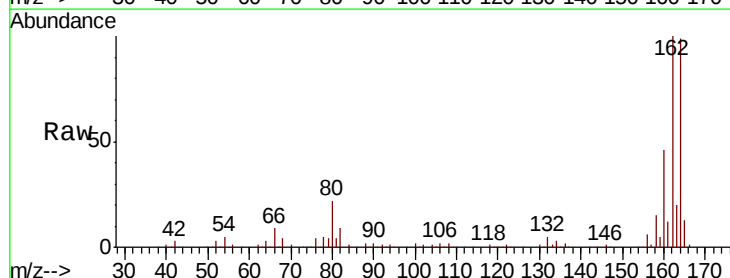
Tgt Ion: 164 Resp: 339903

Ion Ratio Lower Upper

164 100

162 101.0 80.8 121.2

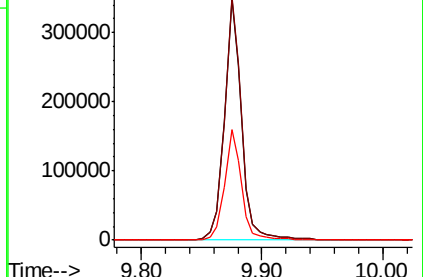
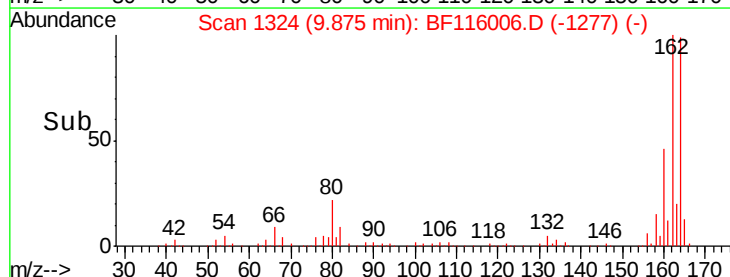
160 46.0 36.2 54.4

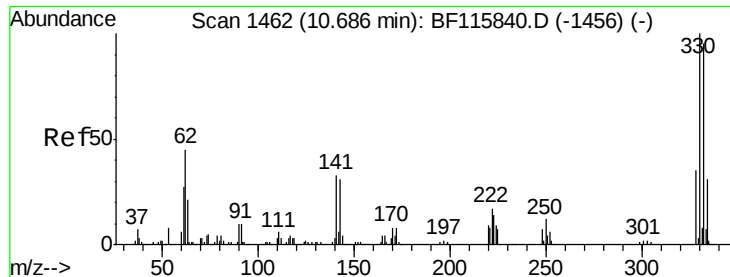


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

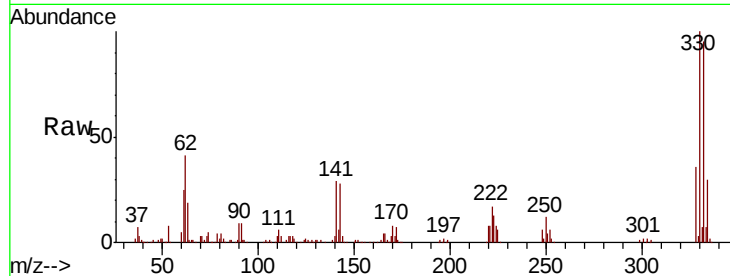




#42
 2,4,6-Tribromophenol
 Concen: 124.367 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF116006.D
 Acq: 6 Aug 2019 12:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.7	116.5
141	32.9	28.1	42.1

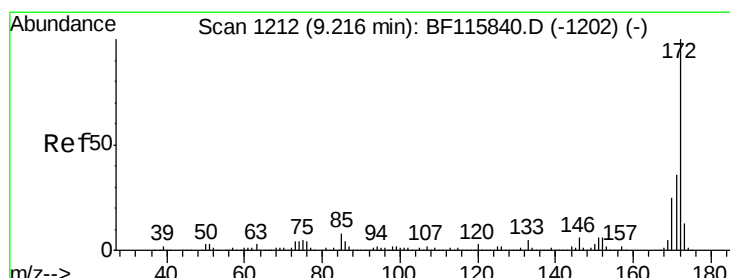
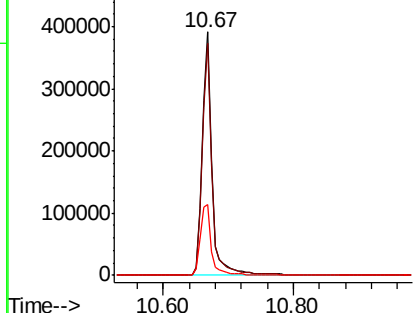
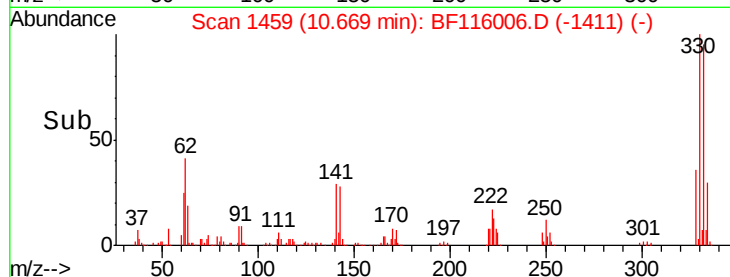


Abundance

Ion 329.80 (329.50 to 330.50): E

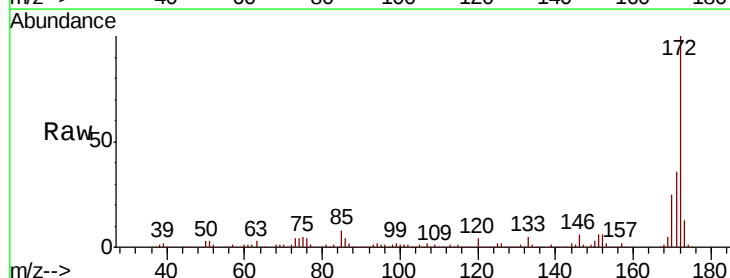
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 94.221 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF116006.D
 Acq: 6 Aug 2019 12:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.1	43.7
170	24.9	20.1	30.1

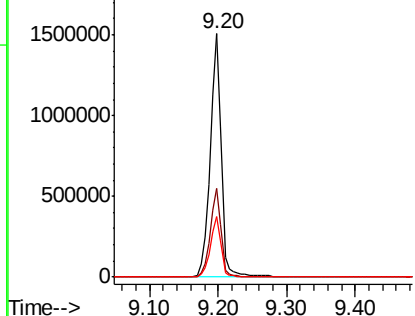
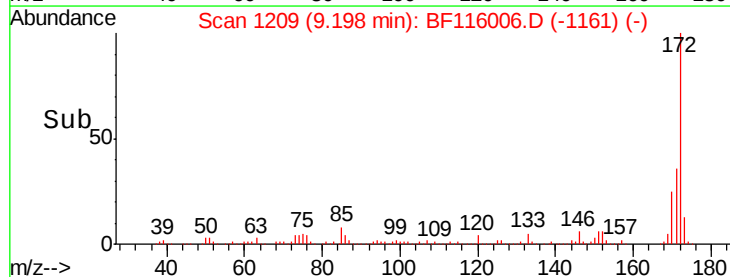


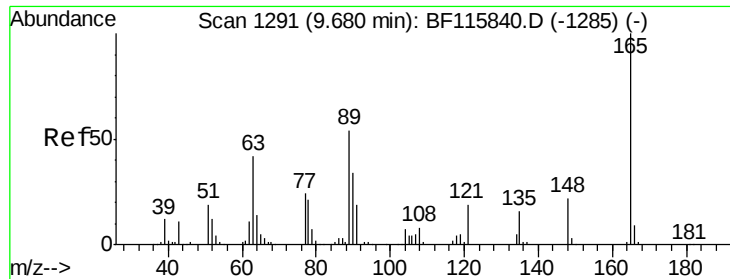
Abundance

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

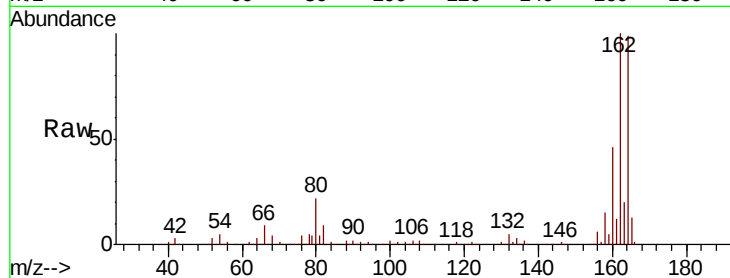




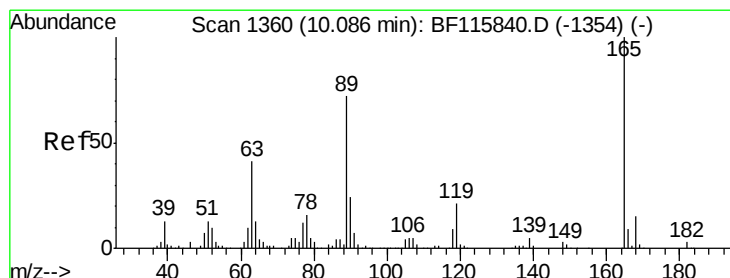
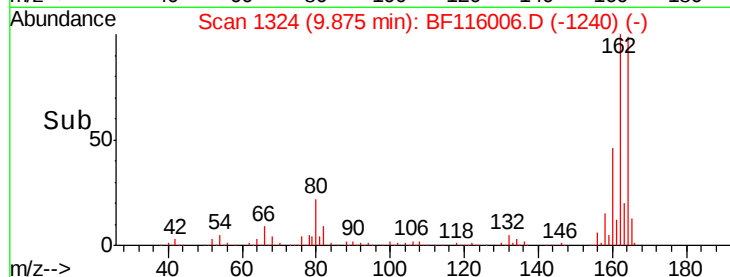
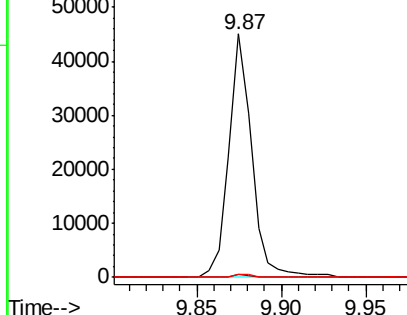
#51
 2,6-Dinitrotoluene
 Concen: 8.450 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.19 min
 Lab File: BF116006.D
 Acq: 6 Aug 2019 12:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.4	59.2#
89	1.3	43.0	64.6#



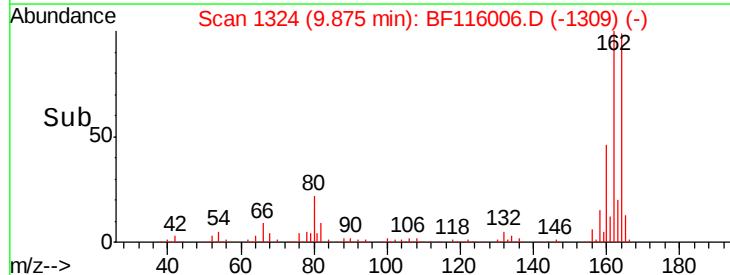
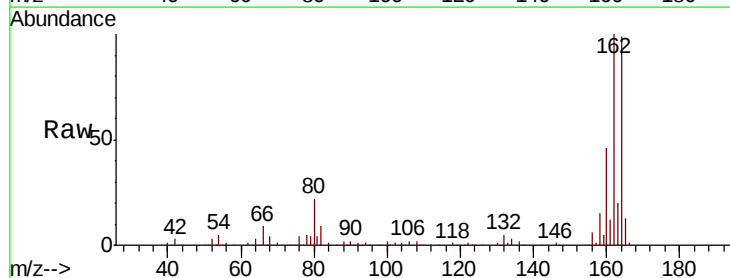
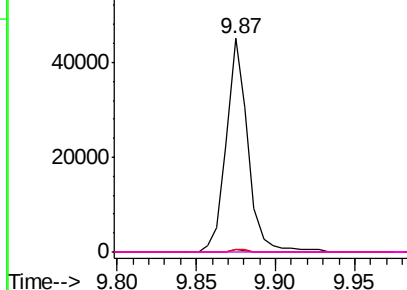
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 6.346 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF116006.D
 Acq: 6 Aug 2019 12:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	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: BF116006.D

Acq: 6 Aug 2019 12:02

Instrument :

BNA_F

ClientSampleId :

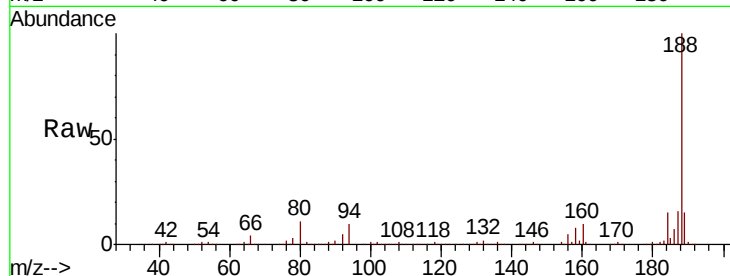
Tot Ion:188 Resp: 609170

Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

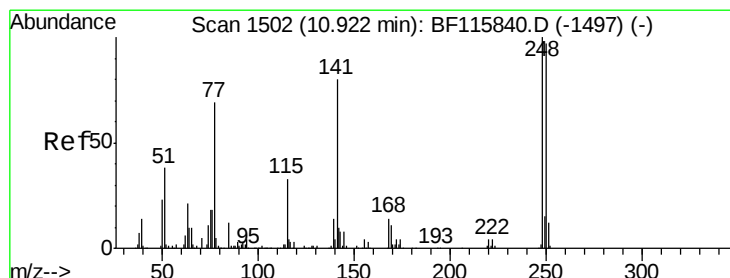
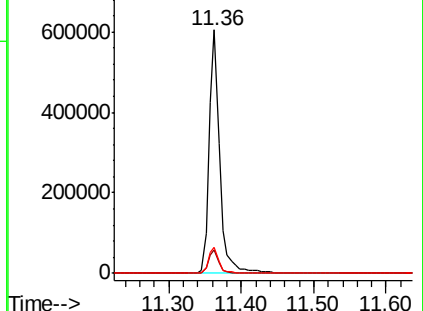
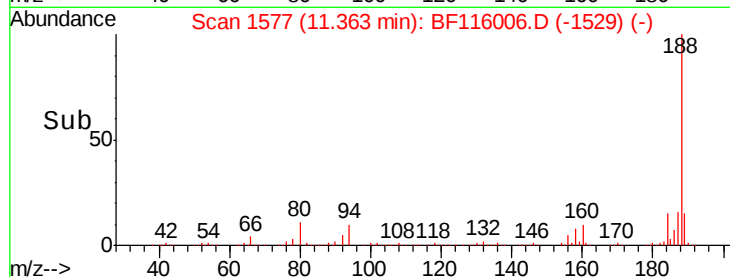
80 10.6 8.6 12.8



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: 3.853 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF116006.D

Acq: 6 Aug 2019 12:02

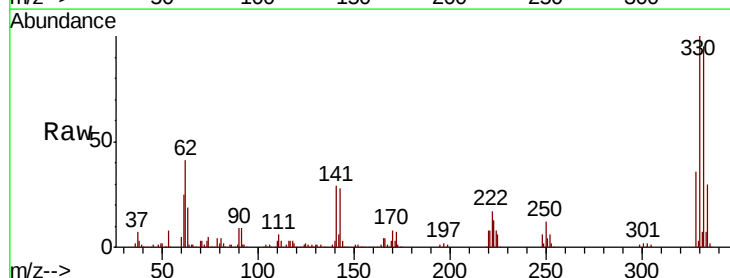
Tgt Ion:248 Resp: 25126

Ion Ratio Lower Upper

248 100

250 199.4 77.8 116.6#

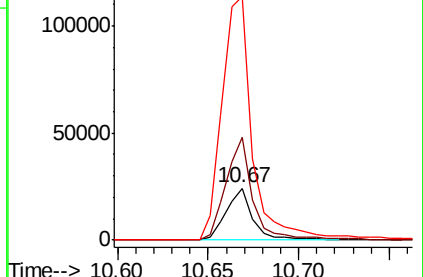
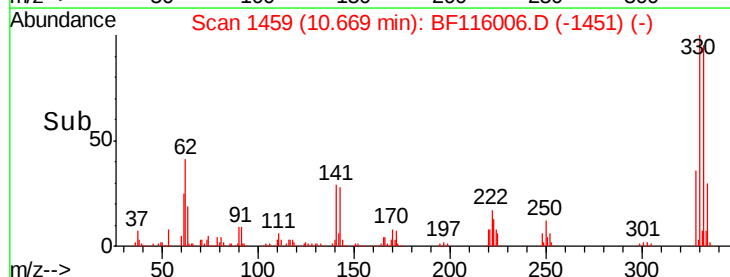
141 471.6 64.3 96.5#

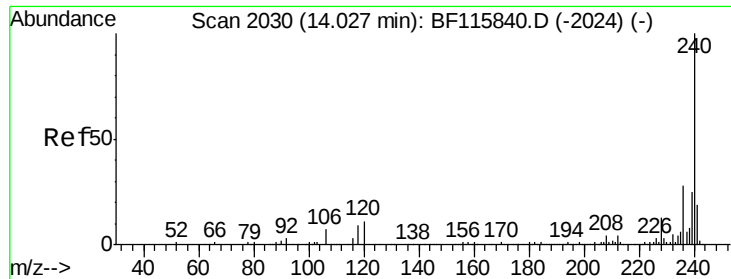


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

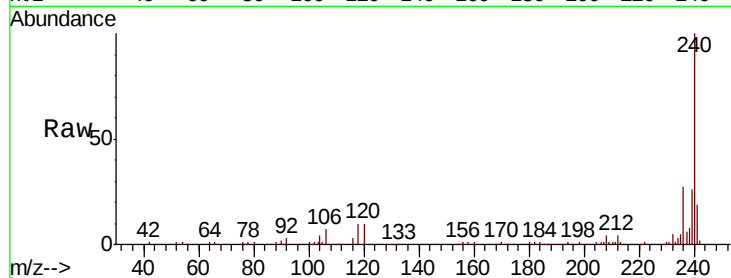




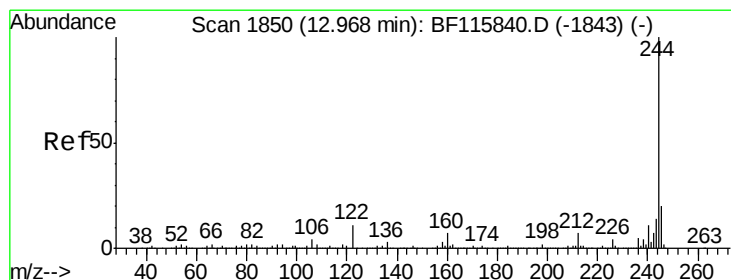
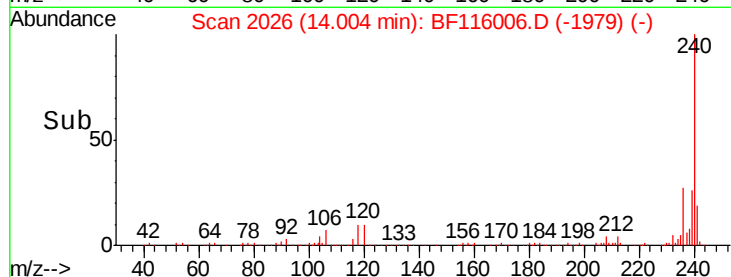
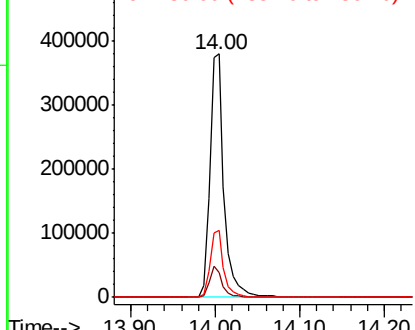
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF116006.D
Acq: 6 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 444241
Ion Ratio Lower Upper
240 100
120 10.4 8.5 12.7
236 27.3 22.2 33.2

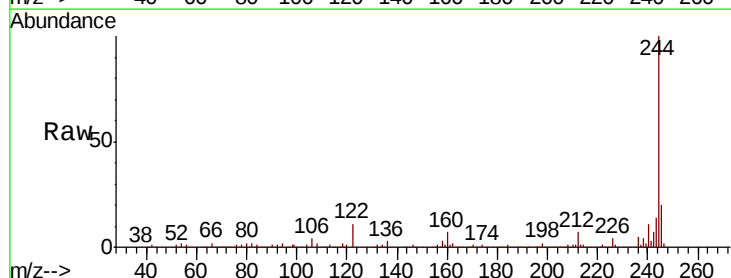


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

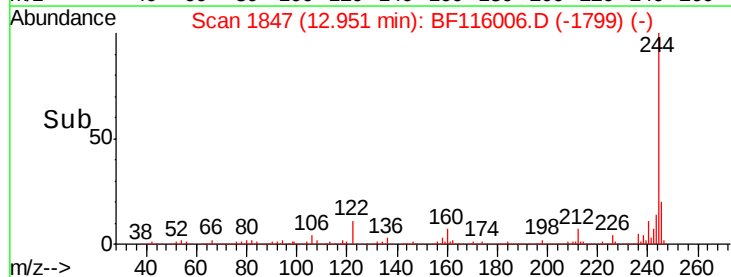
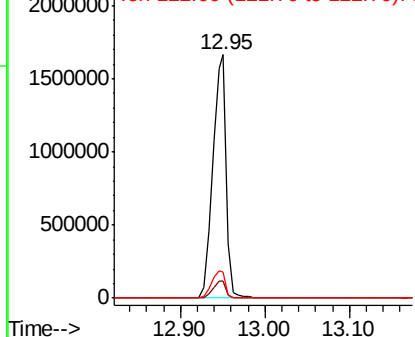


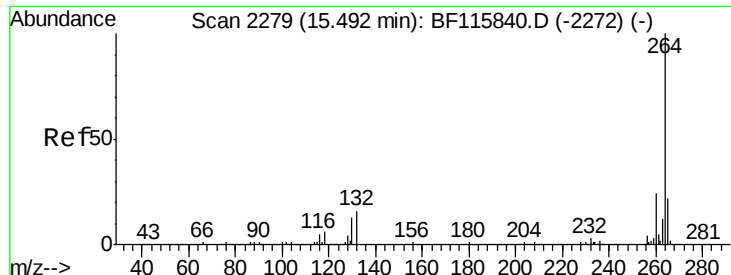
#79
Terphenyl-d14
Concen: 89.231 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF116006.D
Acq: 6 Aug 2019 12:02

Tgt Ion:244 Resp: 1881212
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.5 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

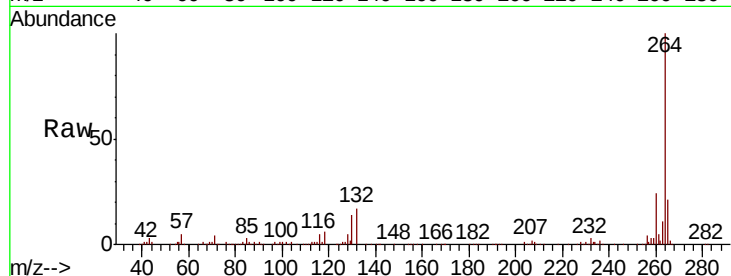




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.03 min
Lab File: BF116006.D
Acq: 6 Aug 2019 12:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	420555
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.5	17.5	26.3



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

