

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116021.D
 Acq On : 6 Aug 2019 18:55
 Operator : HP/JU
 Sample : K4135-21
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:17:18 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

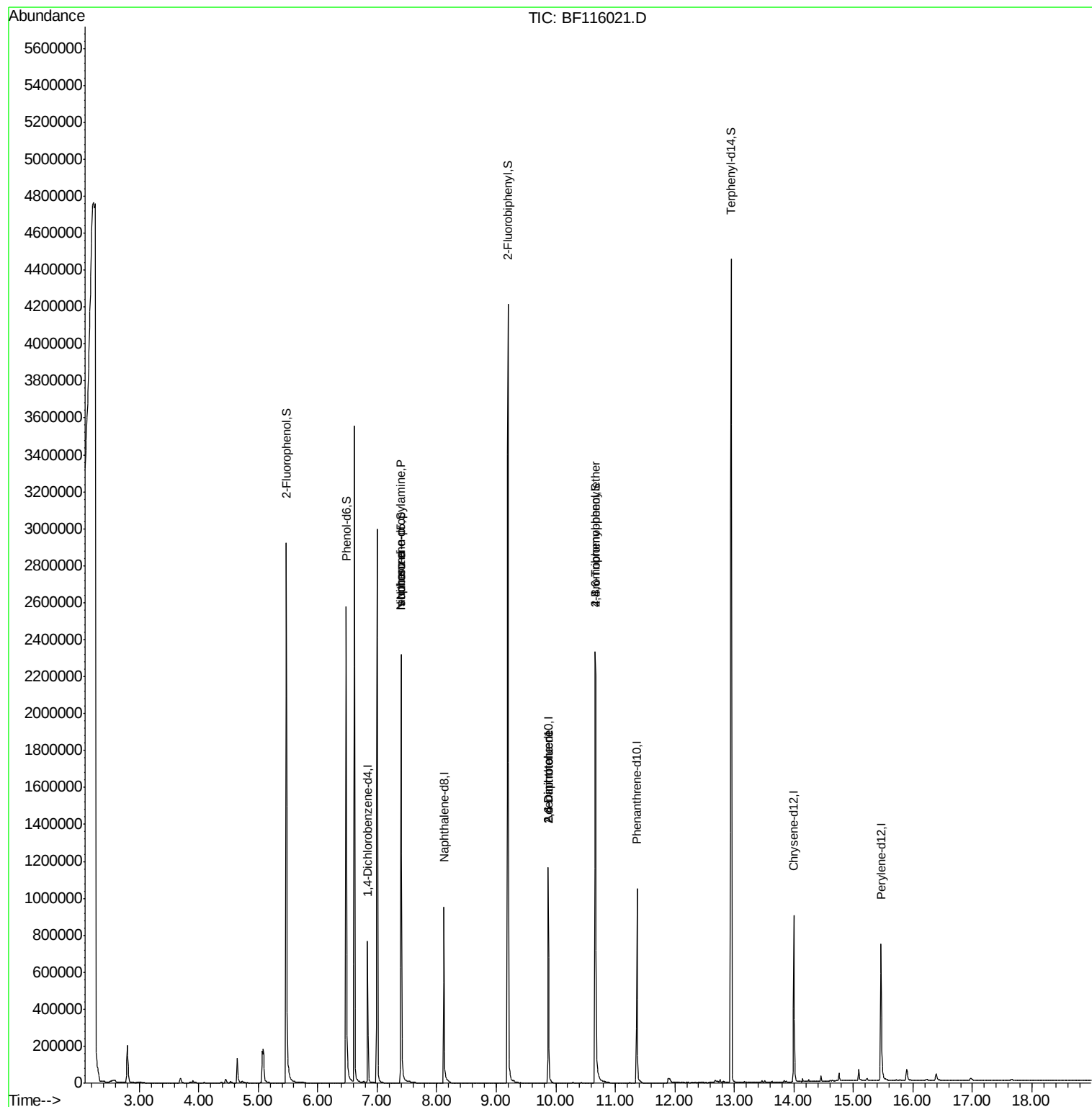
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	120665	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	463444	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	245453	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	445340	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	344211	20.00	ng	-0.03
87) Perylene-d12	15.46	264	380927	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	890462	123.54	ng	0.00
7) Phenol-d6	6.48	99	1031521	113.43	ng	0.00
23) Nitrobenzene-d5	7.40	82	838122	104.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	365617	153.64	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1430430	109.16	ng	-0.02
79) Terphenyl-d14	12.95	244	1690322	103.48	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	110696	19.643	ng	# 78
25) Isophorone	7.40	82	838118	54.593	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	30639	8.436	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	30639	6.336	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	21841	4.581	ng	# 1

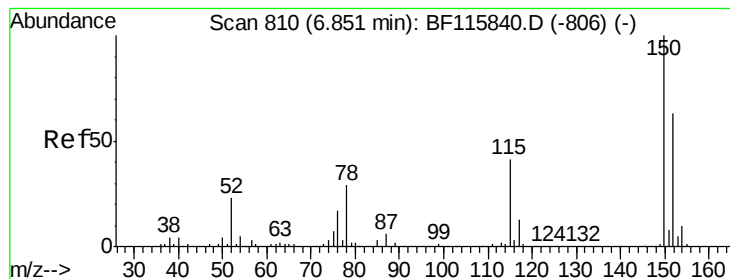
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
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QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

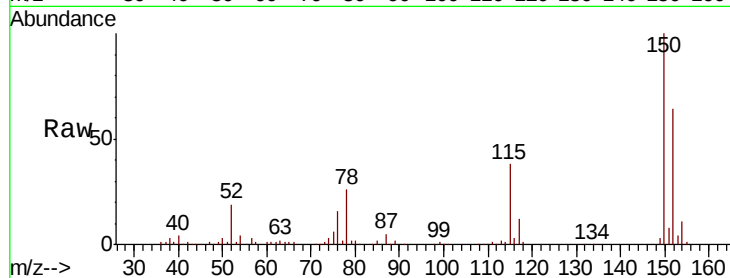
Tot Ion:152 Resp: 120665

Ion Ratio Lower Upper

152 100

150 157.4 127.4 191.0

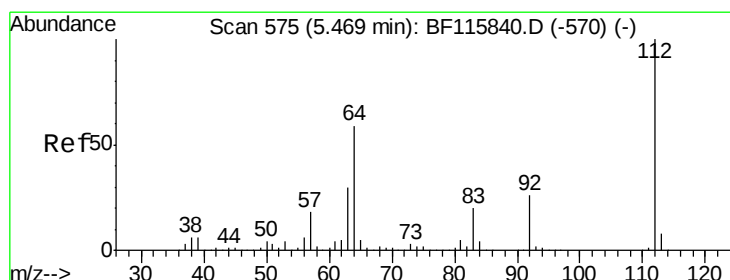
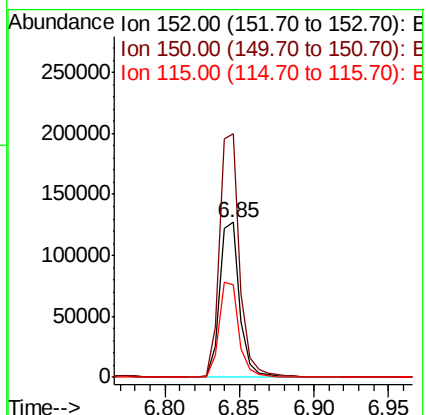
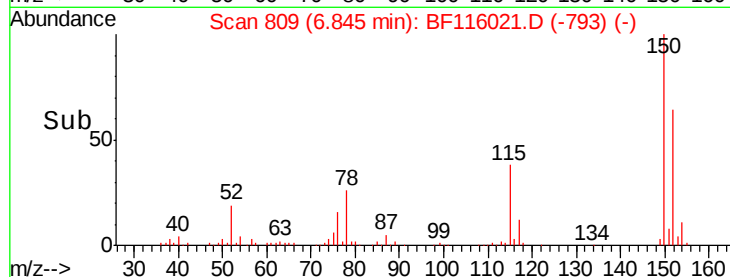
115 60.1 51.8 77.8



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: 123.539 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

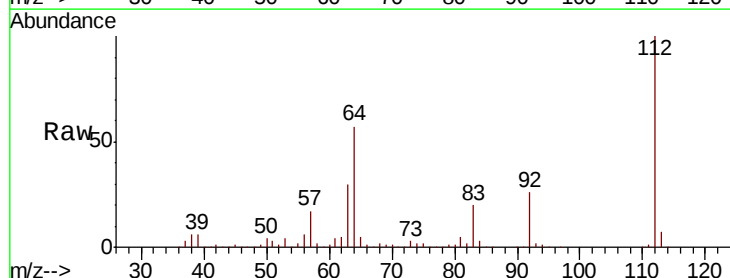
Tgt Ion:112 Resp: 890462

Ion Ratio Lower Upper

112 100

64 57.2 46.8 70.2

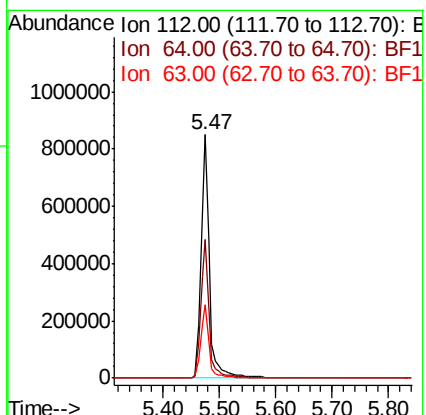
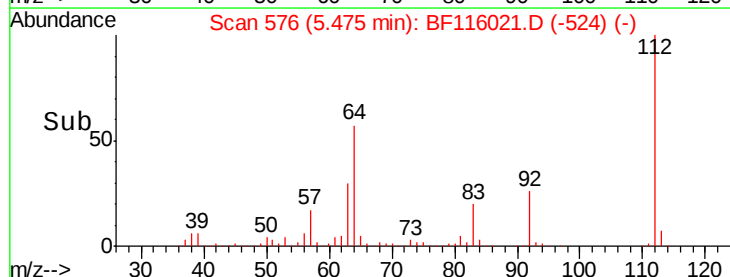
63 30.0 24.2 36.2



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: 113.428 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

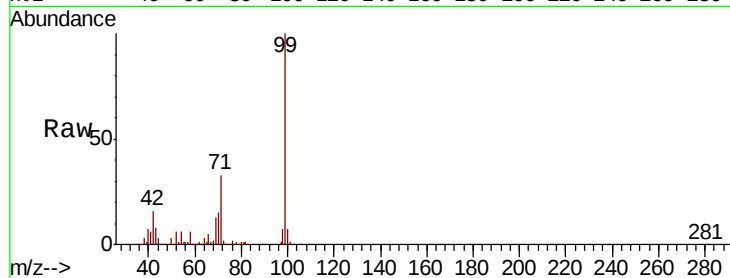
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1031521

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.8	20.6
71	32.6	27.1	40.7

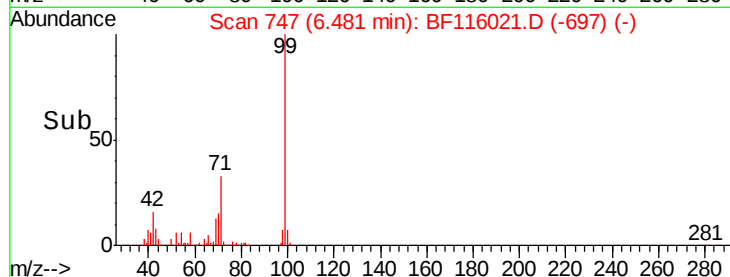
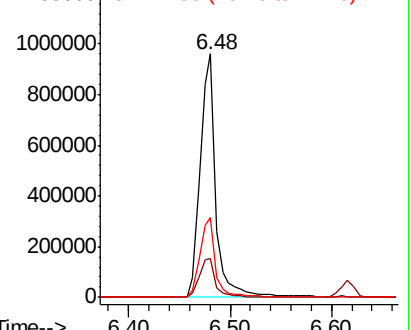


Abundance

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: 19.643 ng

RT: 7.40 min Scan# 904

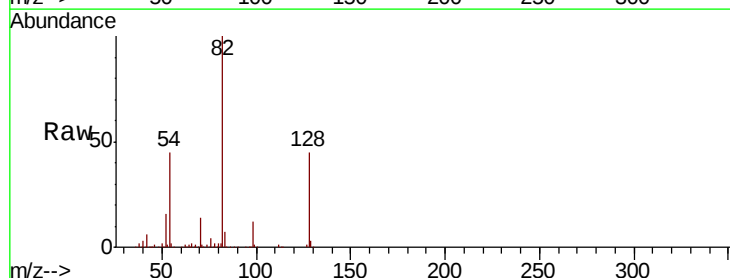
Delta R.T. 0.14 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Tgt Ion: 70 Resp: 110696

Ion	Ratio	Lower	Upper
70	100		
42	43.4	41.8	62.8
101	0.0	7.7	11.5#
130	2.0	17.8	26.6#



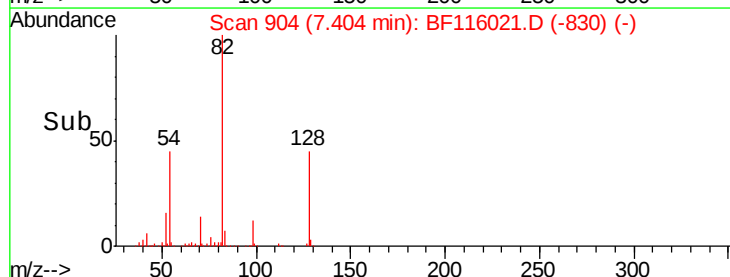
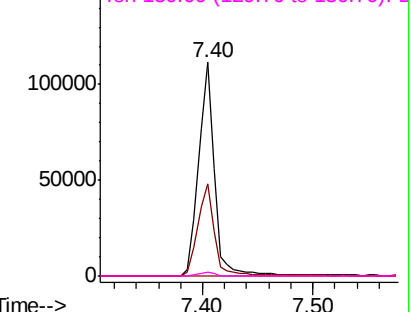
Abundance

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: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 463444

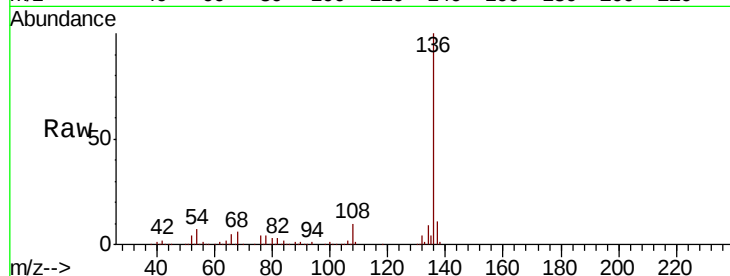
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.8 6.1 9.1

68 6.1 5.4 8.2

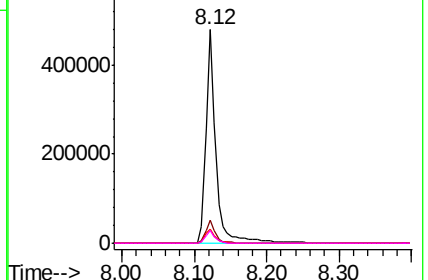
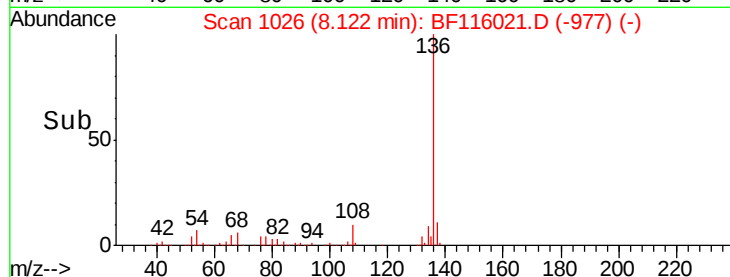


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.390 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

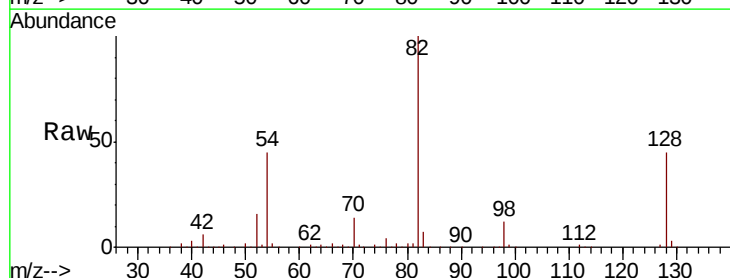
Tgt Ion: 82 Resp: 838122

Ion Ratio Lower Upper

82 100

128 45.5 36.6 55.0

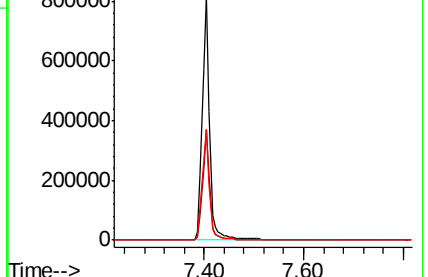
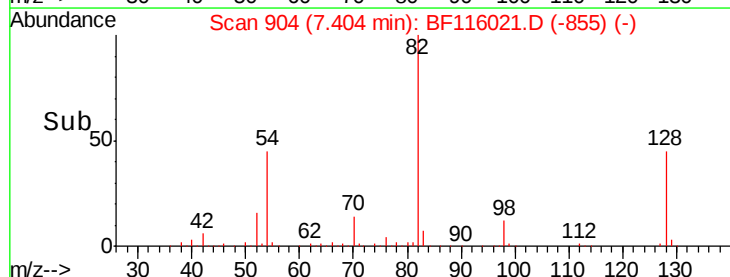
54 45.1 36.6 55.0



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: 54.593 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampled :

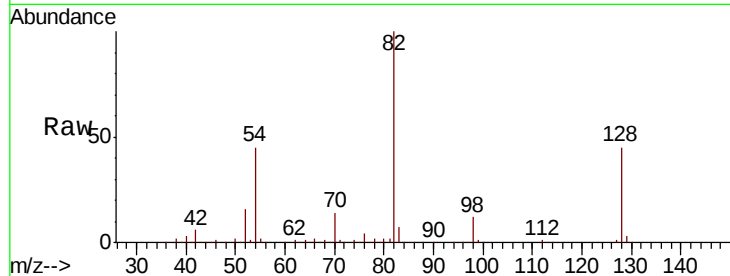
Tot Ion: 82 Resp: 838118

Ion Ratio Lower Upper

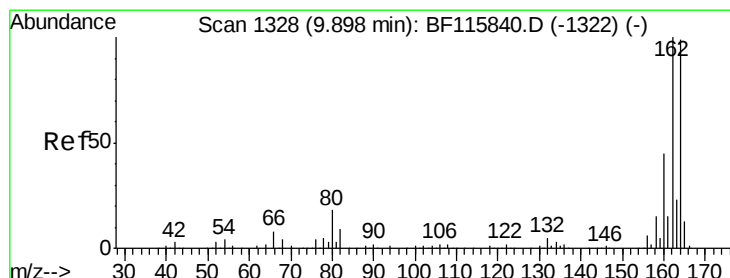
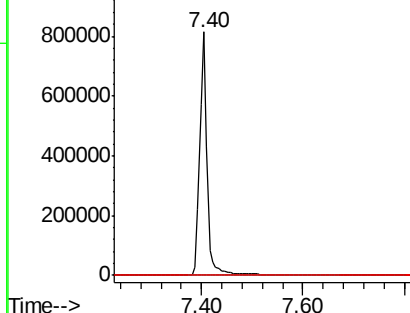
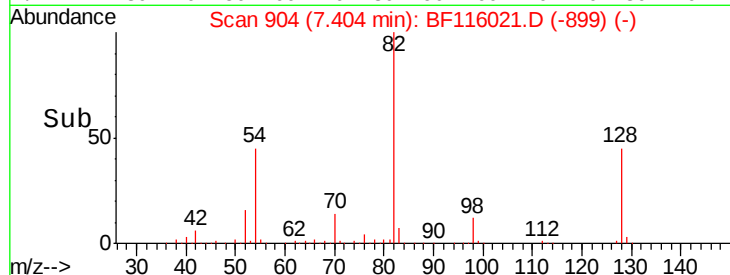
82 100

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: BF116021.D

Acq: 6 Aug 2019 18:55

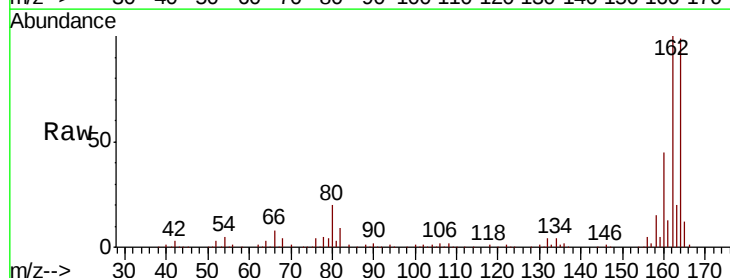
Tgt Ion: 164 Resp: 245453

Ion Ratio Lower Upper

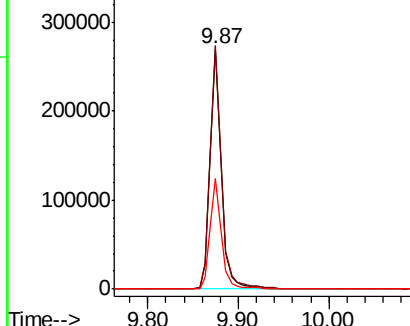
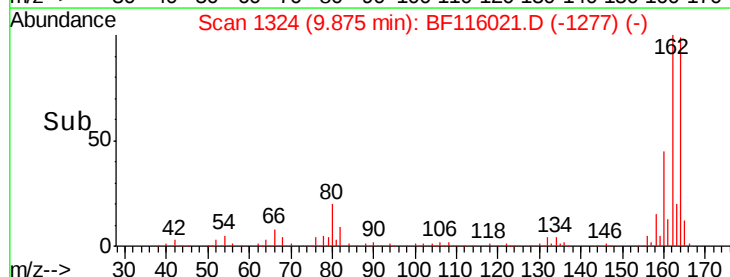
164 100

162 101.4 80.8 121.2

160 45.8 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: 153.638 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

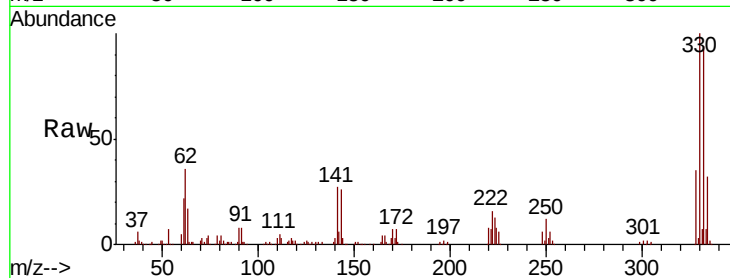
Tot Ion:330 Resp: 365617

Ion Ratio Lower Upper

330 100

332 93.7 77.7 116.5

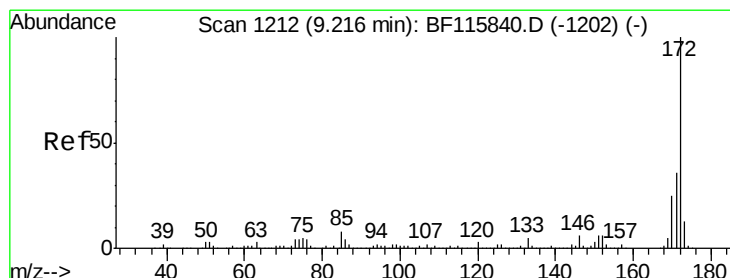
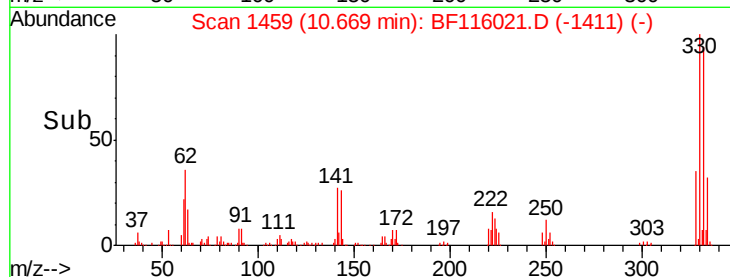
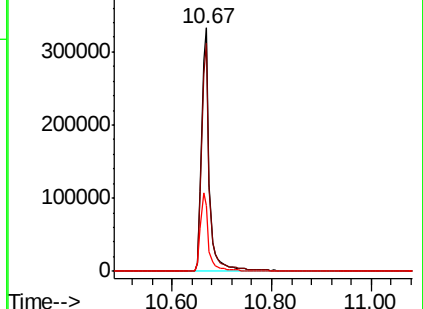
141 33.3 28.1 42.1



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: 109.157 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.02 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

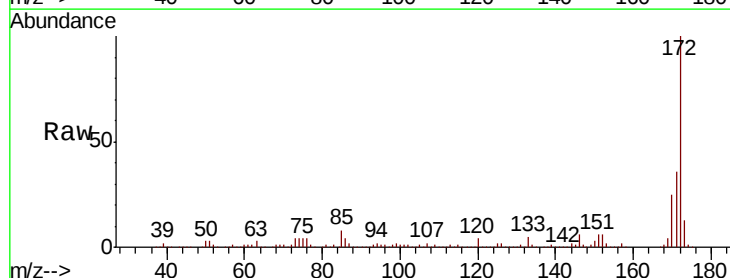
Tgt Ion:172 Resp: 1430430

Ion Ratio Lower Upper

172 100

171 36.2 29.1 43.7

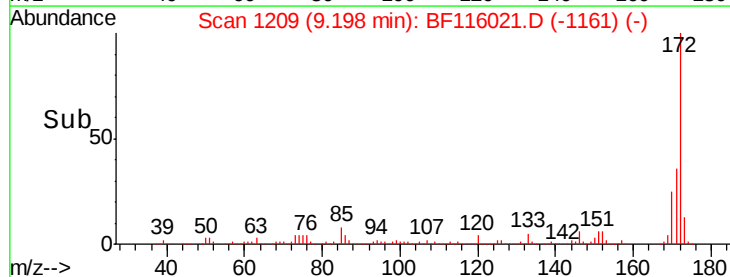
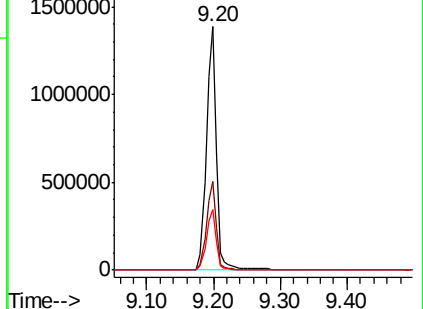
170 25.1 20.1 30.1

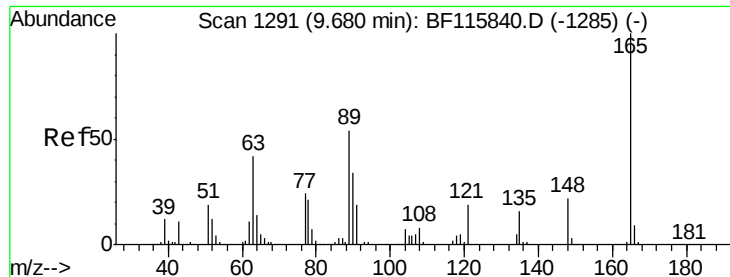


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

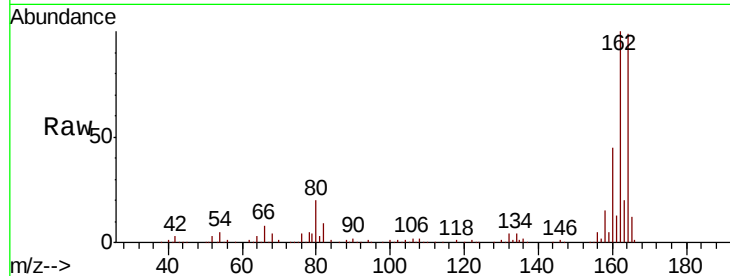




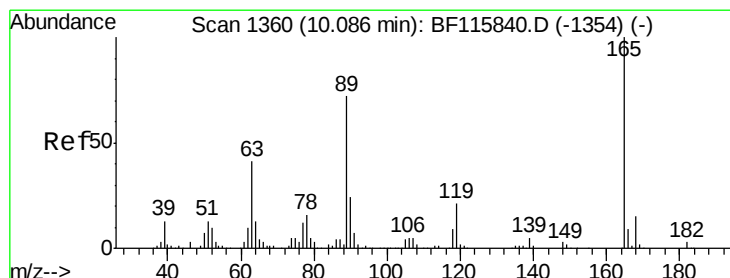
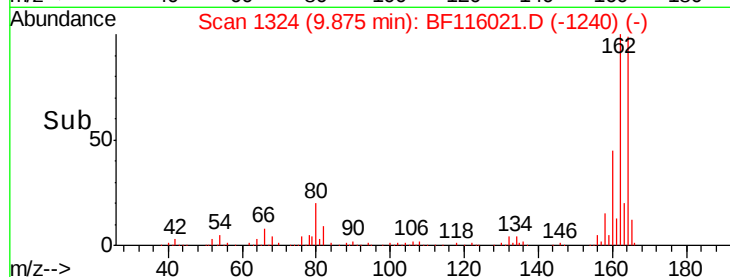
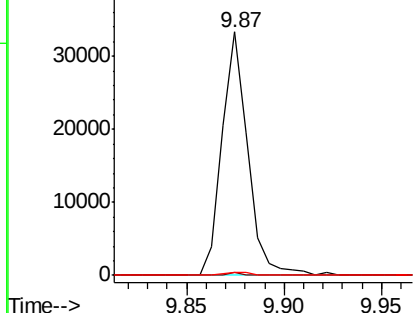
#51
 2,6-Dinitrotoluene
 Concen: 8.436 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.19 min
 Lab File: BF116021.D
 Acq: 6 Aug 2019 18:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	39.4	59.2#
89	1.4	43.0	64.6#



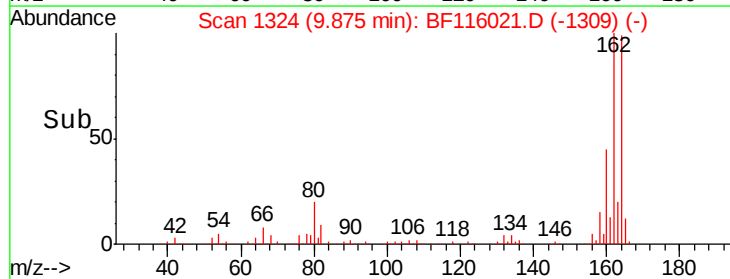
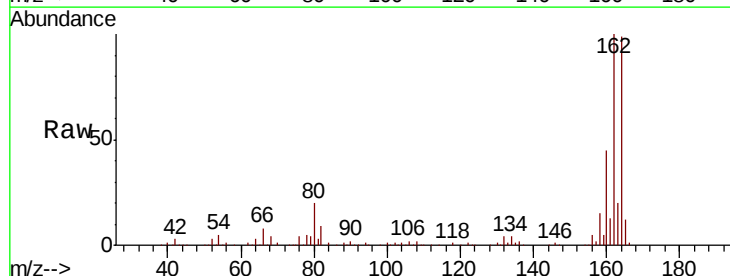
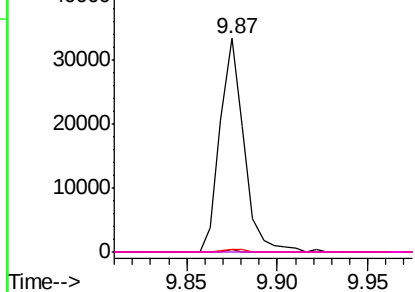
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 6.336 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF116021.D
 Acq: 6 Aug 2019 18:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.2	49.8#
89	1.4	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

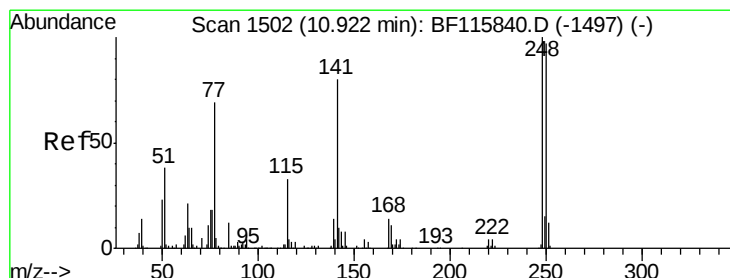
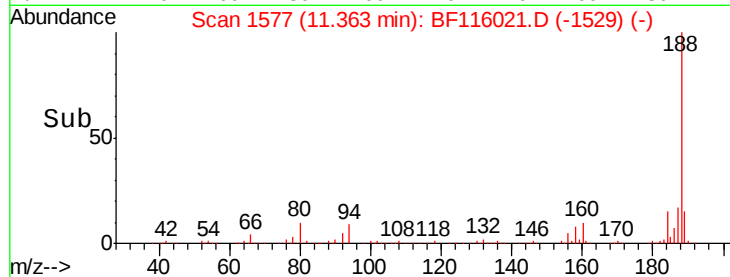
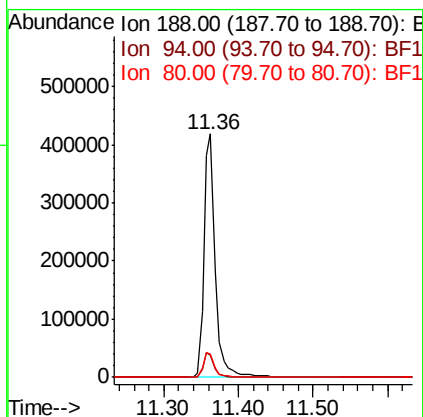
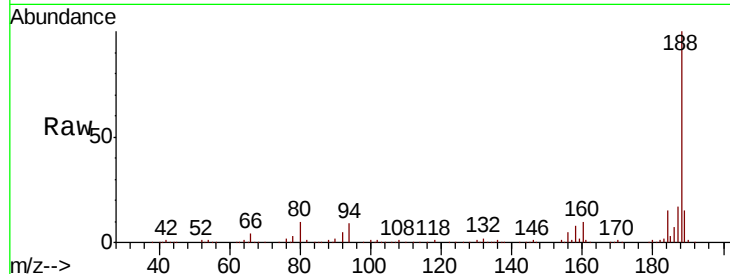




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF116021.D
 Acq: 6 Aug 2019 18:55

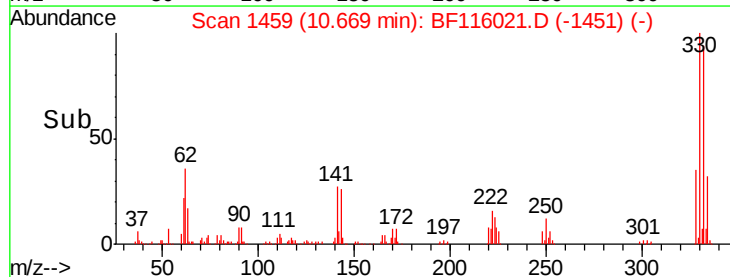
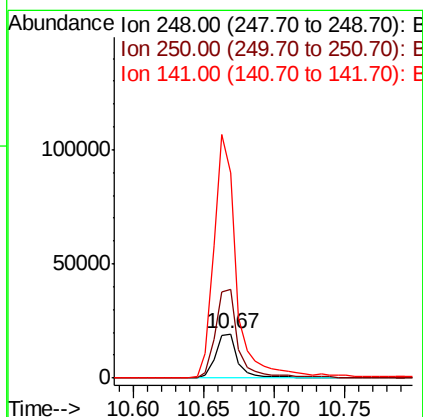
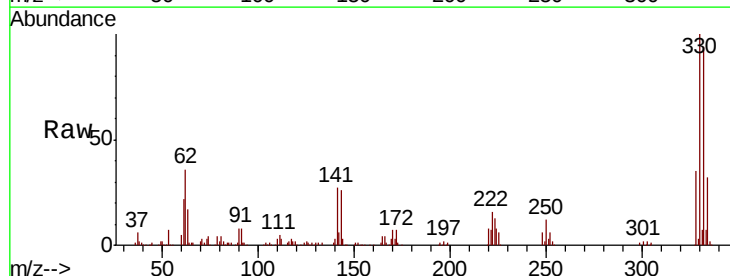
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 445340
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.0 12.0
 80 9.9 8.6 12.8



#67
 4-Bromophenyl-phenylether
 Concen: 4.581 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116021.D
 Acq: 6 Aug 2019 18:55

Tgt Ion:248 Resp: 21841
 Ion Ratio Lower Upper
 248 100
 250 199.8 77.8 116.6#
 141 463.4 64.3 96.5#

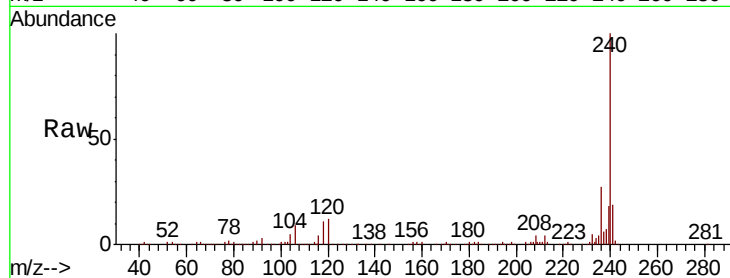




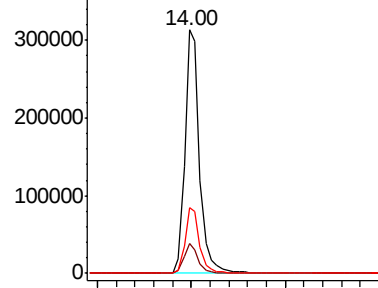
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.03 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

Instrument :
BNA_F
ClientSampleId :

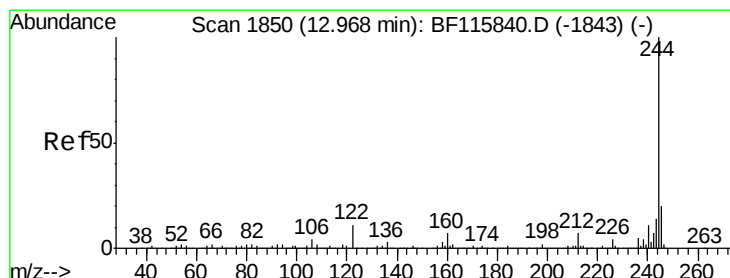
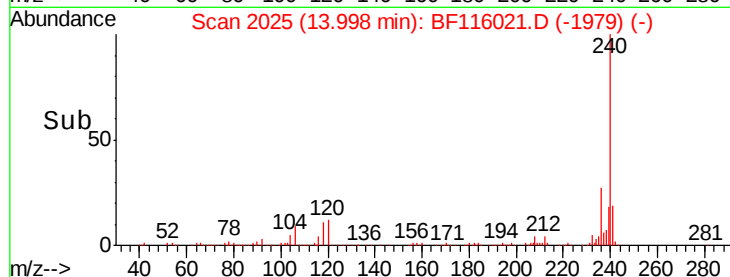
Tot Ion:240 Resp: 344211
Ion Ratio Lower Upper
240 100
120 12.2 8.5 12.7
236 27.1 22.2 33.2



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

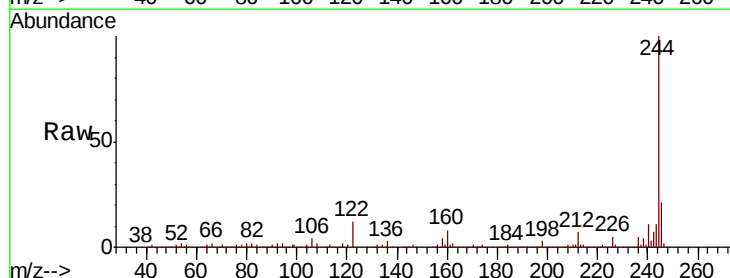


Time--> 13.90 14.00 14.10

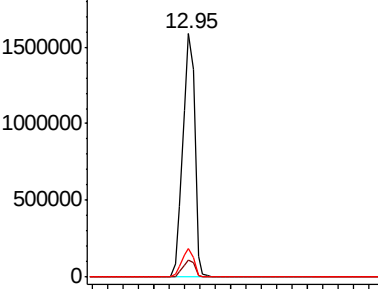


#79
Terphenyl-d14
Concen: 103.477 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

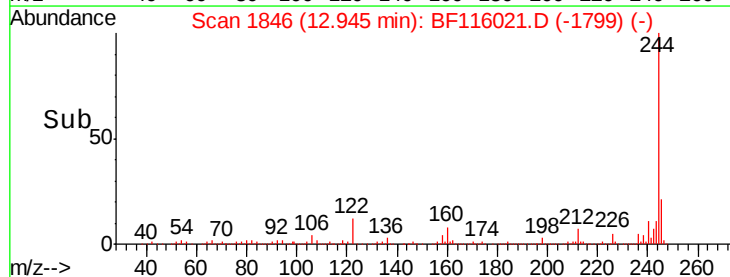
Tgt Ion:244 Resp: 1690322
Ion Ratio Lower Upper
244 100
212 7.3 5.6 8.4
122 11.9 8.6 13.0

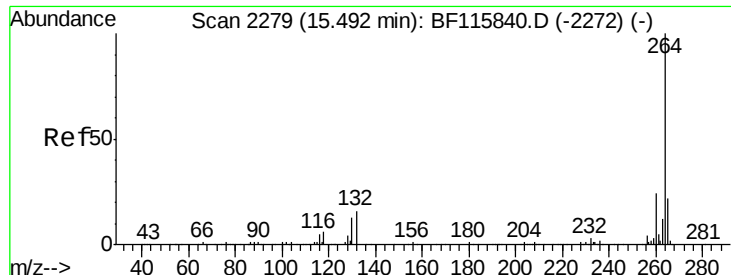


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 12.90 13.00 13.10

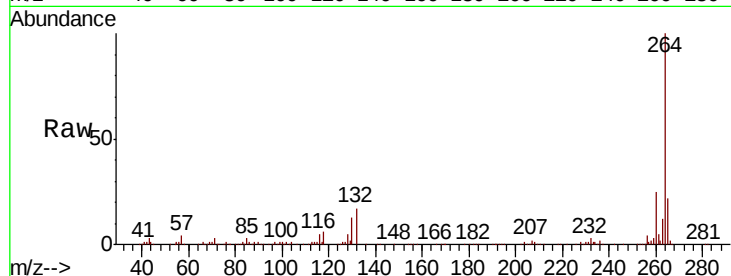




#87
Pervlone-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.03 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	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

