

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116030.D
 Acq On : 6 Aug 2019 22:55
 Operator : HP/JU
 Sample : K4136-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:20:17 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

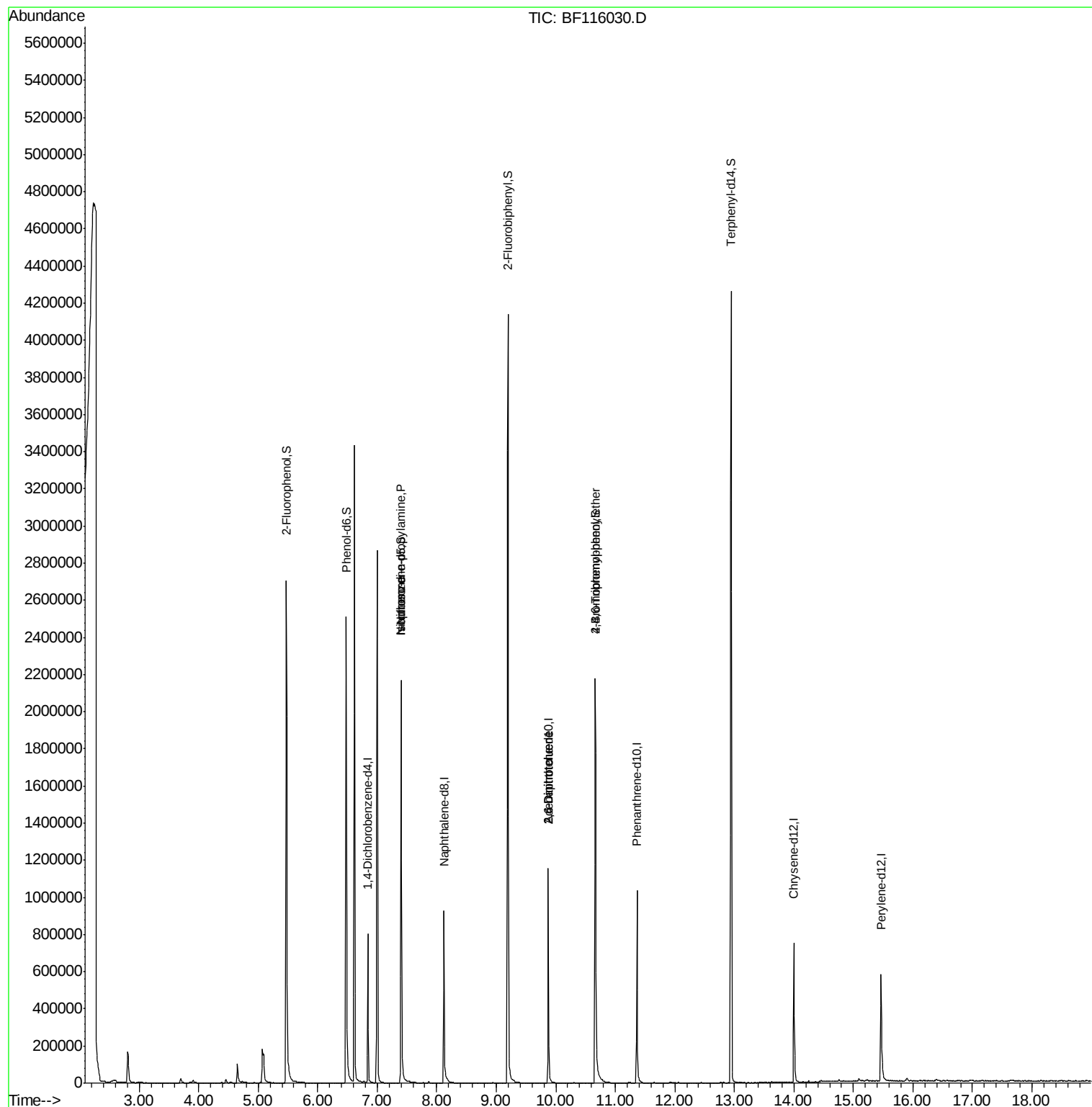
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	120942	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	467258	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	247855	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	438320	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	309347	20.00	ng	-0.02
87) Perylene-d12	15.46	264	338977	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	865120	119.75	ng	0.00
7) Phenol-d6	6.48	99	1007868	110.57	ng	0.00
23) Nitrobenzene-d5	7.40	82	787247	97.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	335271	139.52	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1381592	104.41	ng	-0.02
79) Terphenyl-d14	12.94	244	1544074	105.18	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	105420	18.664	ng	# 80
25) Isophorone	7.40	82	787239	50.860	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	31591	8.614	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	31592	6.470	ng	# 24
67) 4-Bromophenyl-phenylether	10.66	248	20330	4.333	ng	# 1

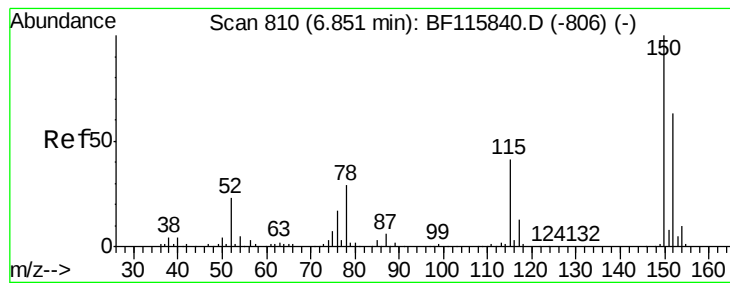
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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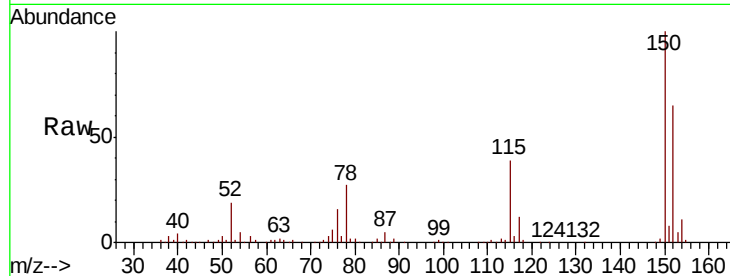


#1

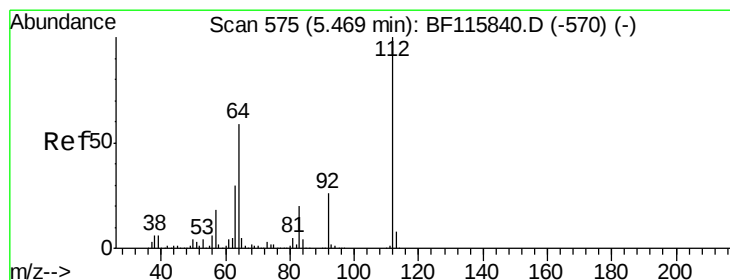
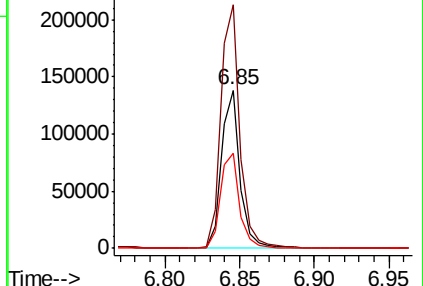
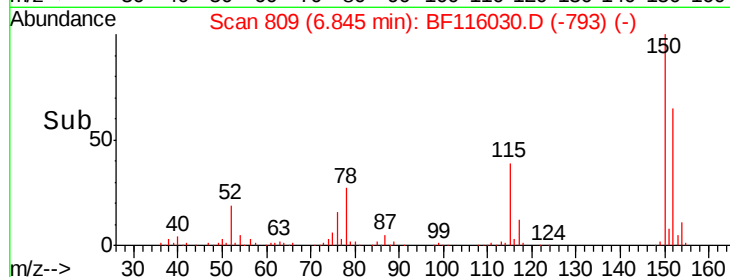
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120942
Ion Ratio Lower Upper
152 100
150 153.7 127.4 191.0
115 60.1 51.8 77.8



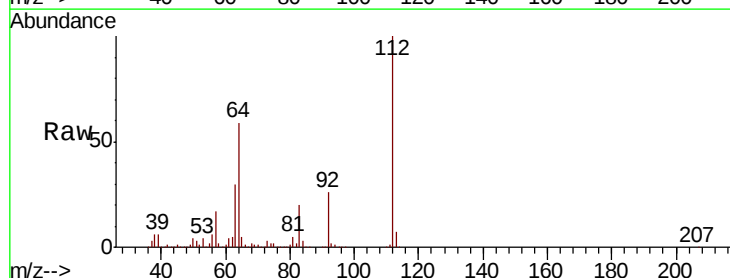
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



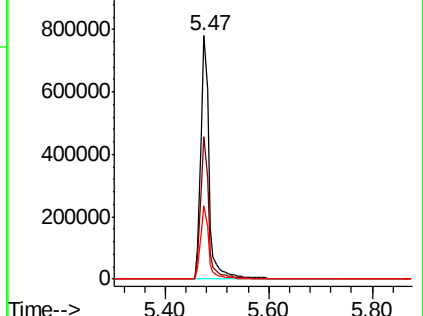
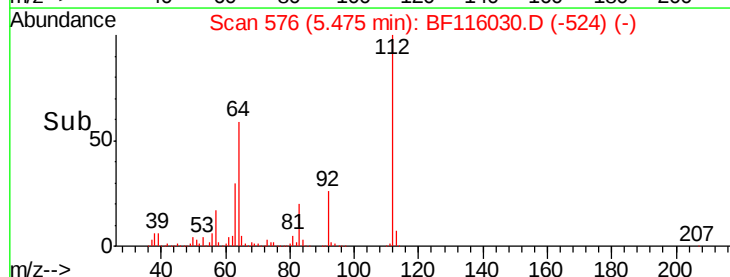
#5

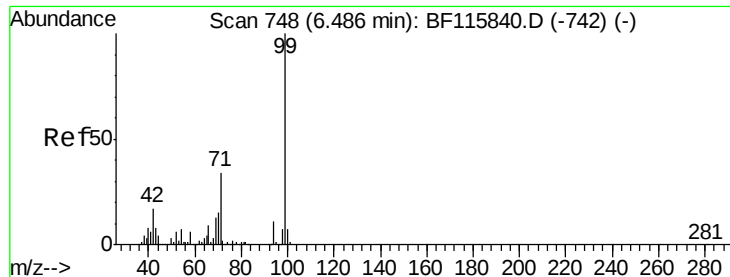
2-Fluorophenol
Concen: 119.749 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Tgt Ion:112 Resp: 865120
Ion Ratio Lower Upper
112 100
64 58.6 46.8 70.2
63 30.3 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: 110.573 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

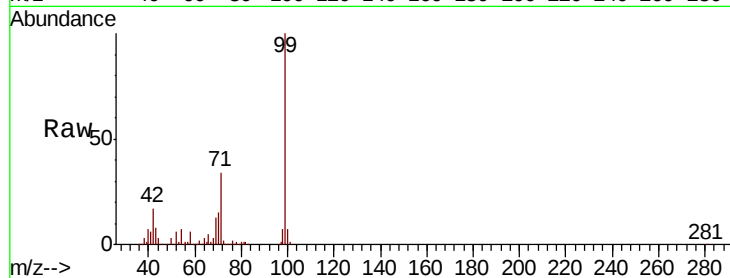
Tot Ion: 99 Resp: 1007868

Ion Ratio Lower Upper

99 100

42 16.6 13.8 20.6

71 33.7 27.1 40.7

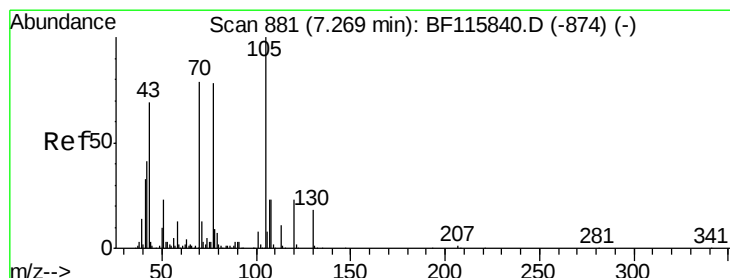
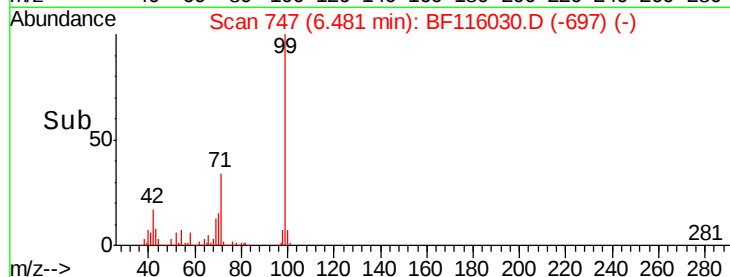
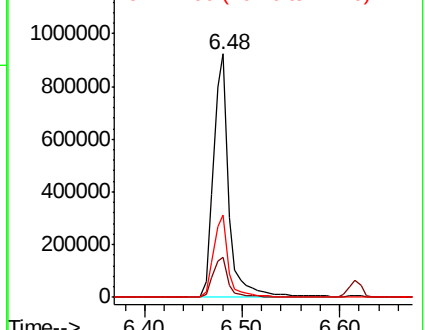


Abundance

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: 18.664 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Tgt Ion: 70 Resp: 105420

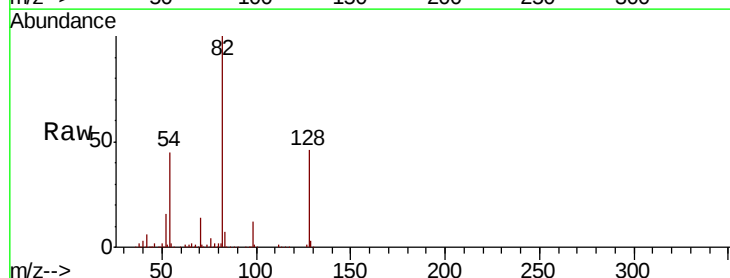
Ion Ratio Lower Upper

70 100

42 45.2 41.8 62.8

101 0.0 7.7 11.5#

130 2.4 17.8 26.6#



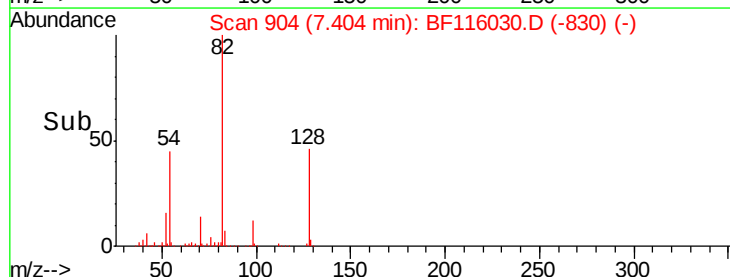
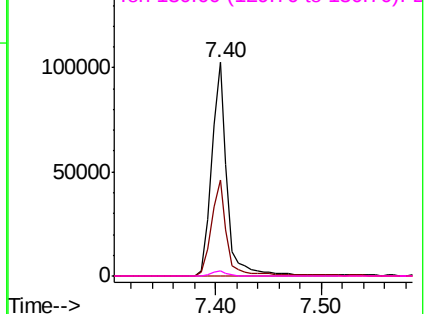
Abundance

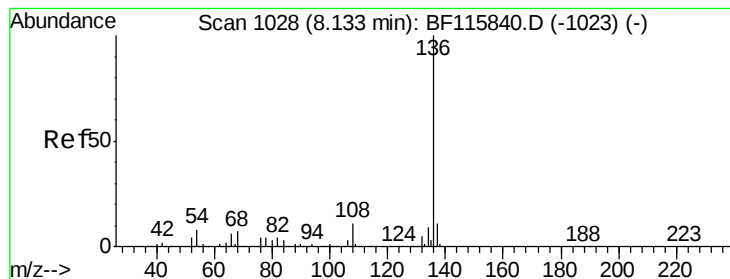
Ion 70.00 (69.70 to 70.70): BF1

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: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 467258

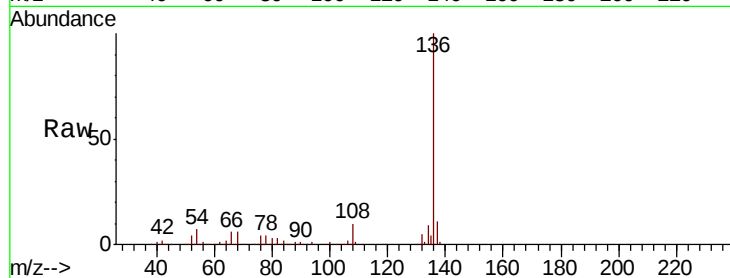
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.0 6.1 9.1

68 6.0 5.4 8.2

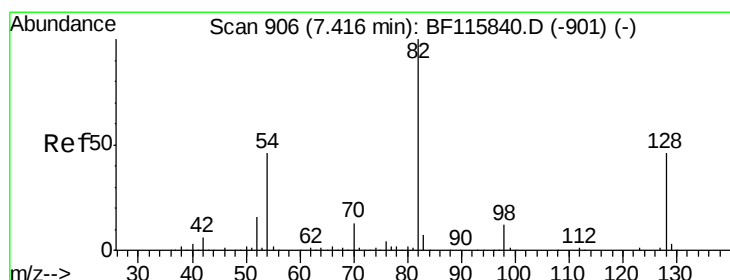
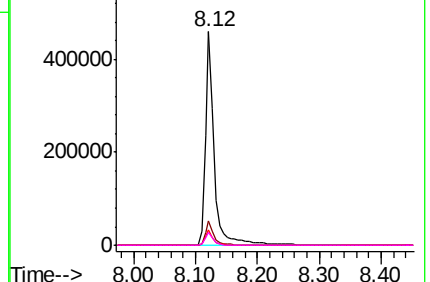
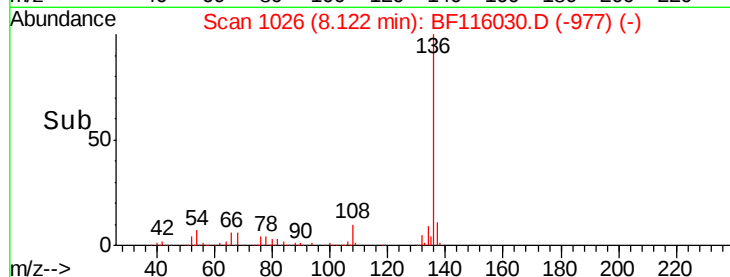


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.253 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

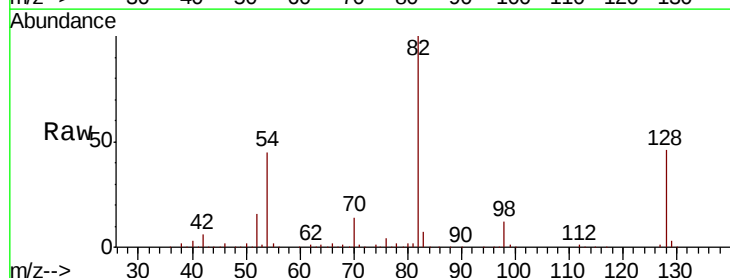
Tgt Ion: 82 Resp: 787247

Ion Ratio Lower Upper

82 100

128 45.7 36.6 55.0

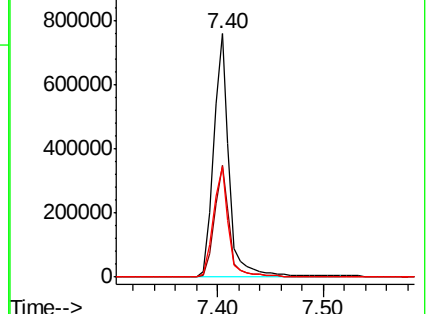
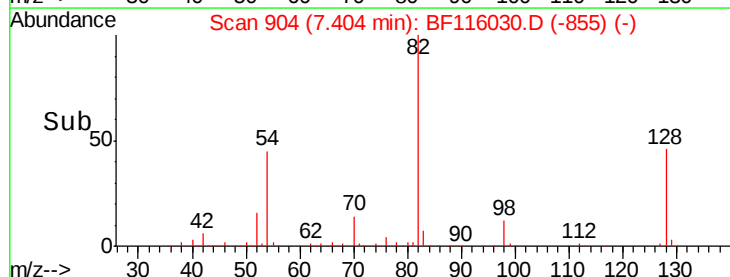
54 45.4 36.6 55.0

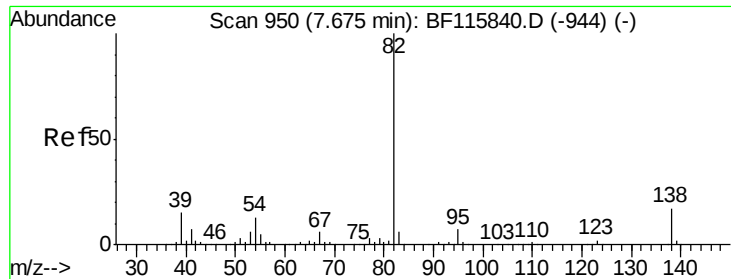


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.860 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

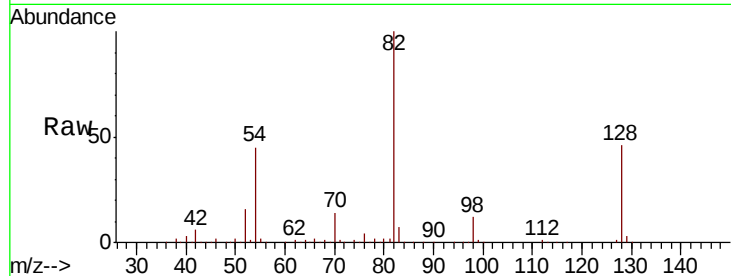
Tot Ion: 82 Resp: 787239

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

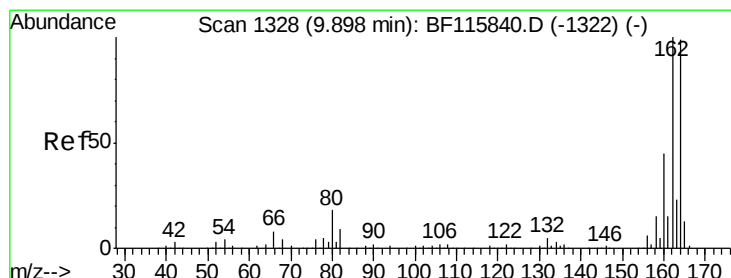
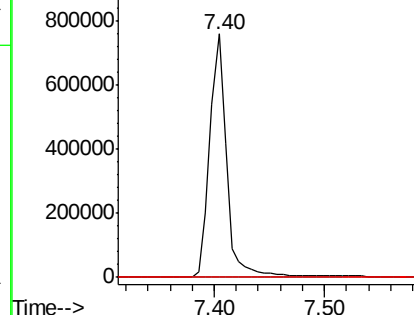
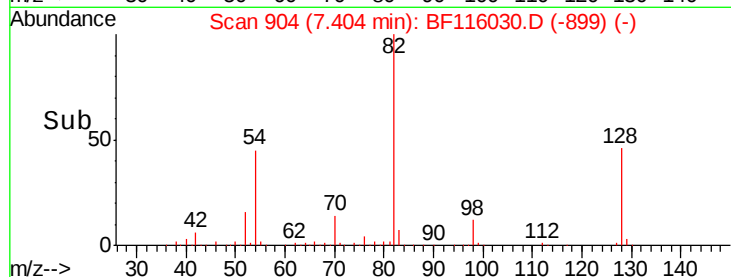
138 0.0 13.9 20.9#



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: BF116030.D

Acq: 6 Aug 2019 22:55

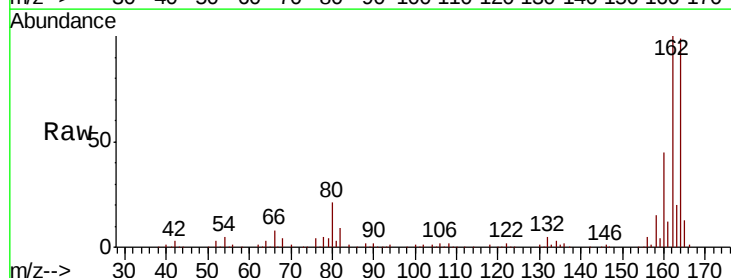
Tgt Ion: 164 Resp: 247855

Ion Ratio Lower Upper

164 100

162 101.4 80.8 121.2

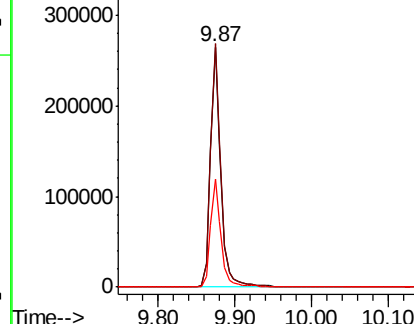
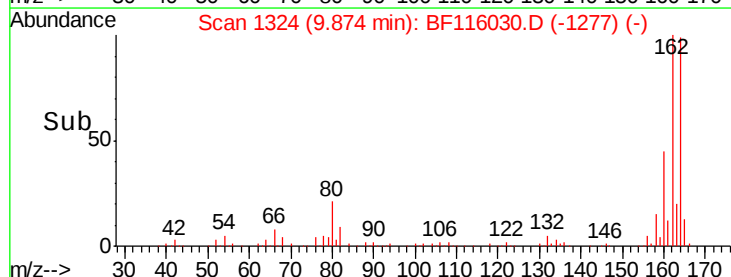
160 45.1 36.2 54.4

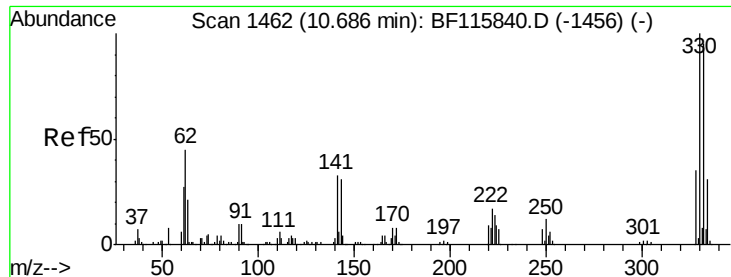


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 139.521 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

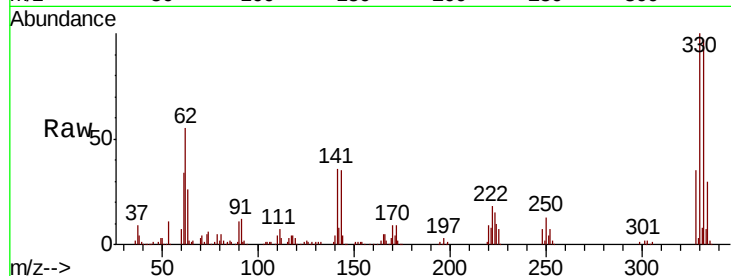
Tot Ion:330 Resp: 335271

Ion Ratio Lower Upper

330 100

332 95.6 77.7 116.5

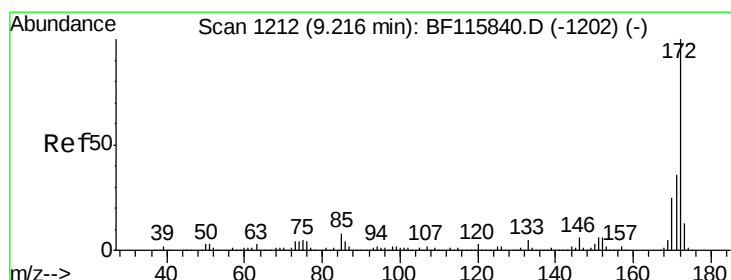
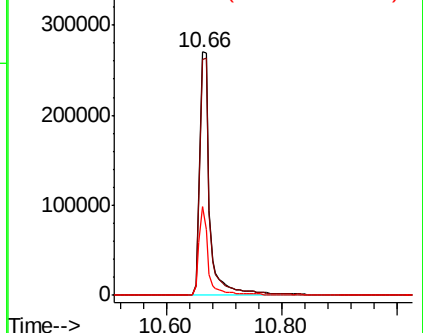
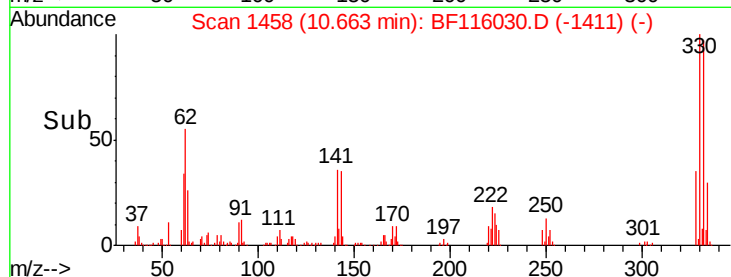
141 34.3 28.1 42.1



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: 104.409 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.02 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

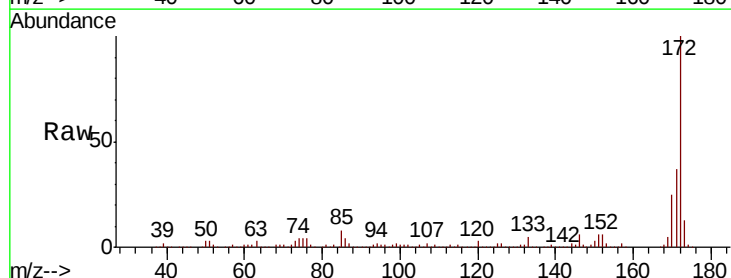
Tgt Ion:172 Resp: 1381592

Ion Ratio Lower Upper

172 100

171 36.5 29.1 43.7

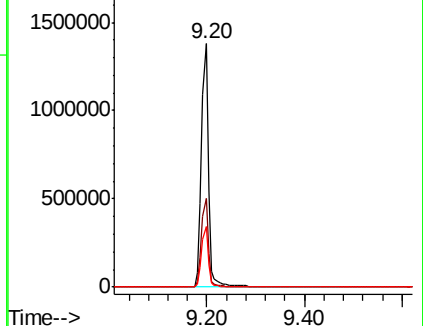
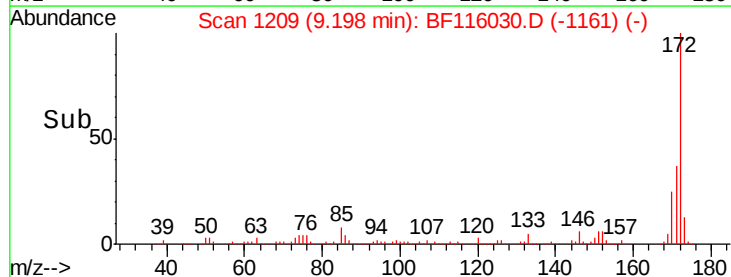
170 25.0 20.1 30.1

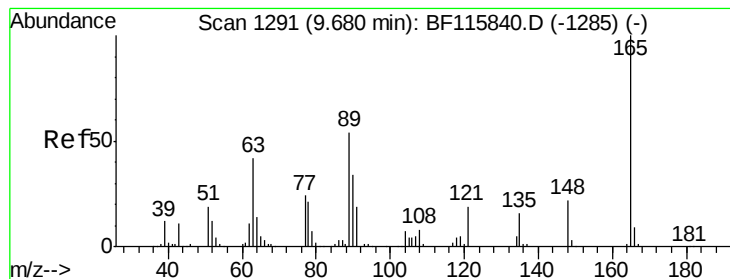


Abundance Ion 172.00 (171.70 to 172.70): E

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# 1324

Delta R.T. 0.19 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

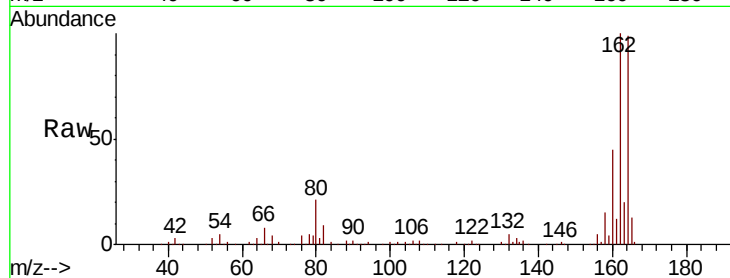
Tot Ion:165 Resp: 31591

Ion Ratio Lower Upper

165 100

63 1.0 39.4 59.2#

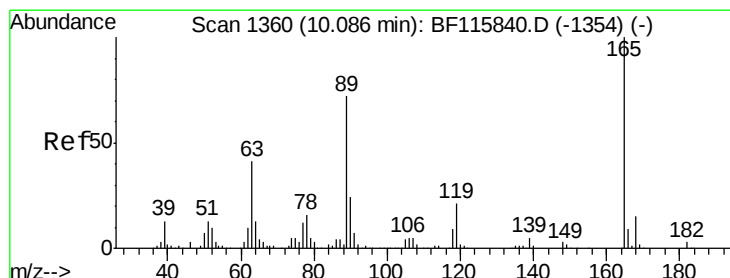
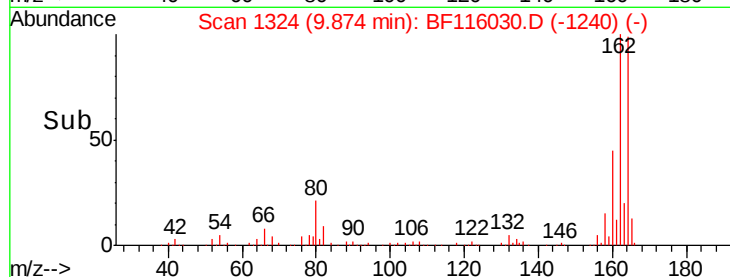
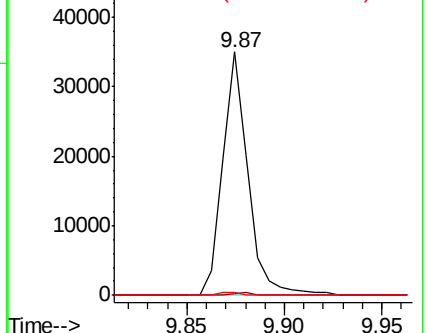
89 1.5 43.0 64.6#



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: 6.470 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Tgt Ion:165 Resp: 31592

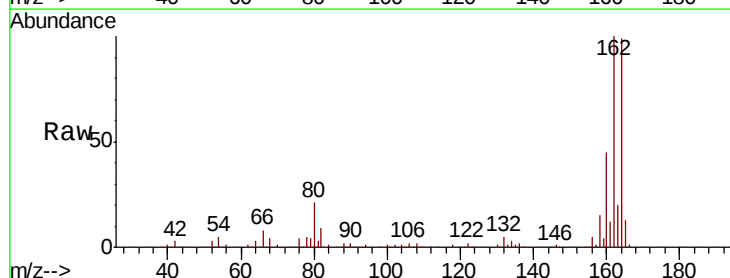
Ion Ratio Lower Upper

165 100

63 1.0 33.2 49.8#

89 1.5 57.3 85.9#

182 0.0 2.1 3.1#

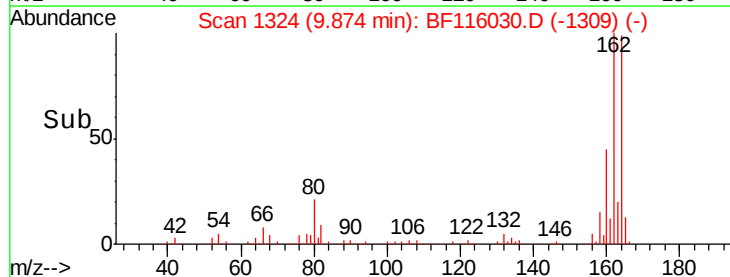
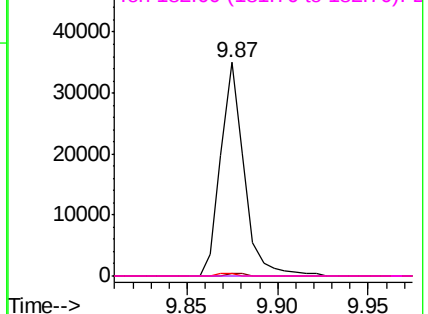


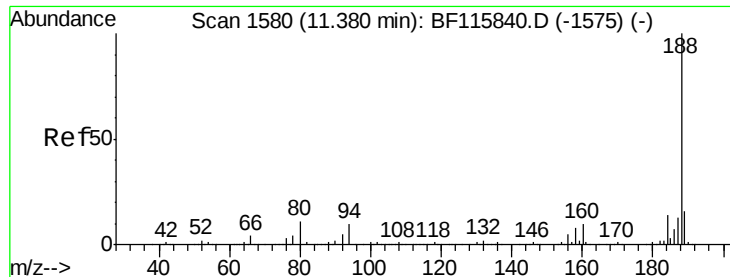
Abundance Ion 165.00 (164.70 to 165.70): E

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

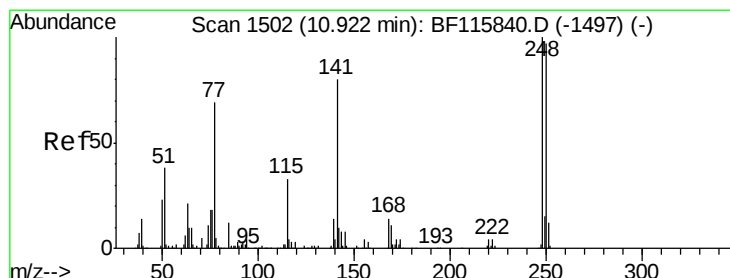
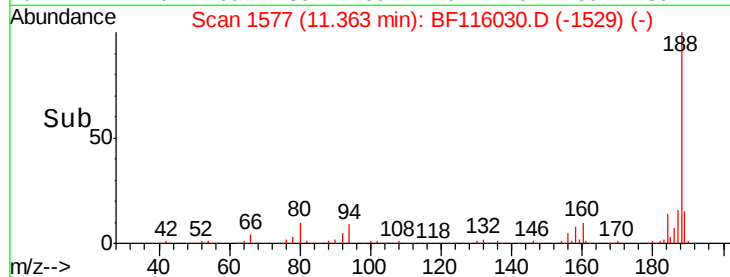
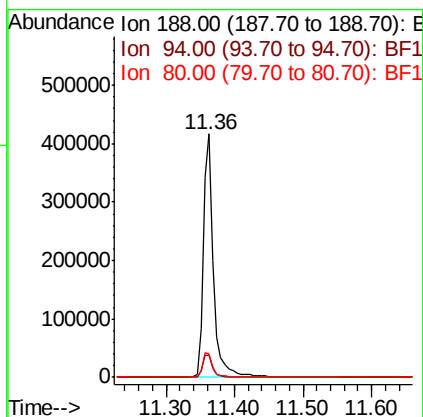
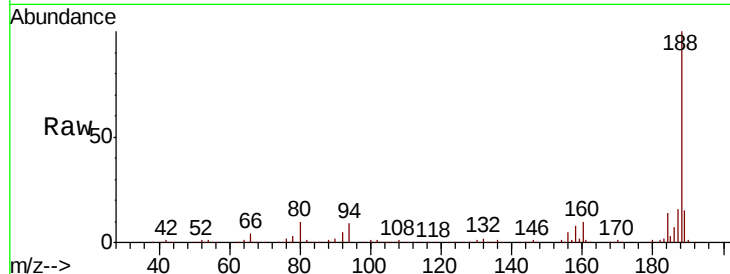




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF116030.D
 Acq: 6 Aug 2019 22:55

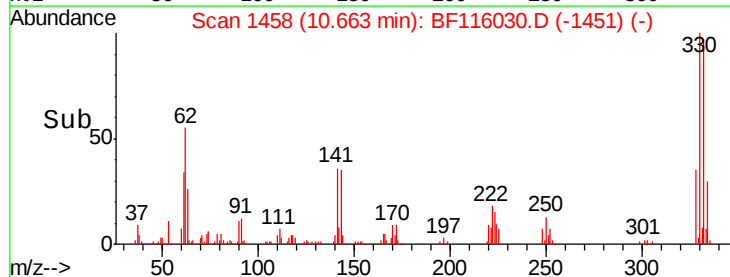
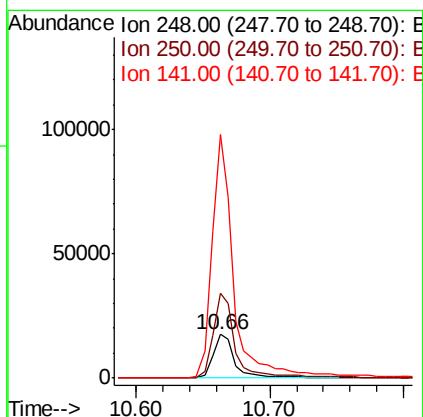
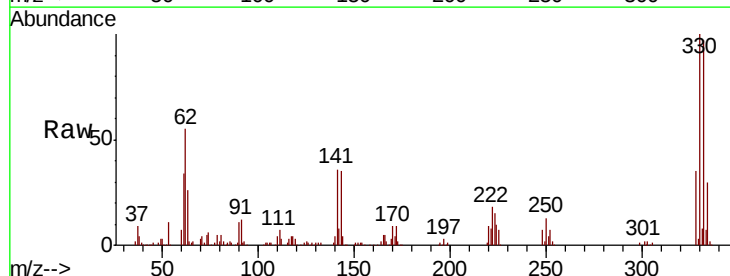
Instrument :
 BNA_F
 ClientSampleId :

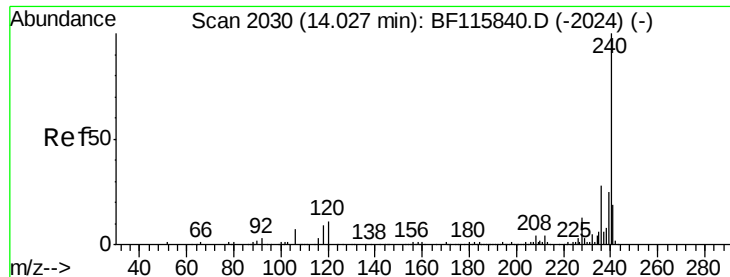
Tot Ion:188 Resp: 438320
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.0 12.0
 80 9.7 8.6 12.8



#67
 4-Bromophenyl-phenylether
 Concen: 4.333 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.26 min
 Lab File: BF116030.D
 Acq: 6 Aug 2019 22:55

Tgt Ion:248 Resp: 20330
 Ion Ratio Lower Upper
 248 100
 250 194.6 77.8 116.6#
 141 554.8 64.3 96.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.02 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

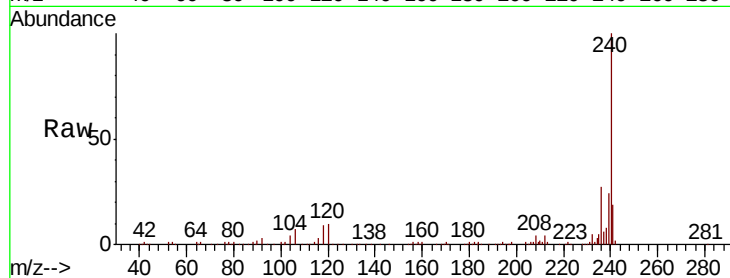
Tot Ion:240 Resp: 309347

Ion Ratio Lower Upper

240 100

120 10.2 8.5 12.7

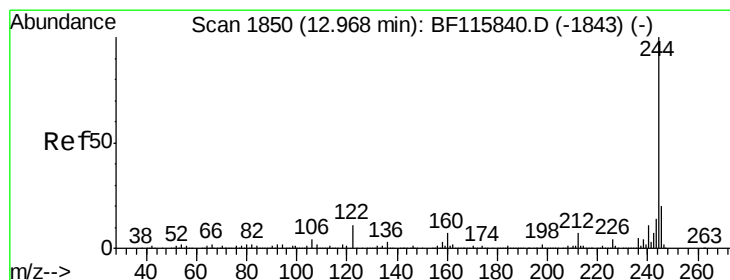
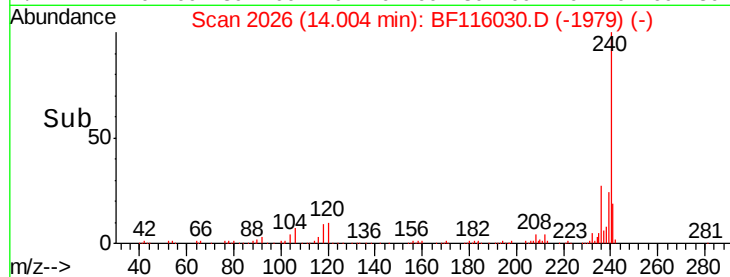
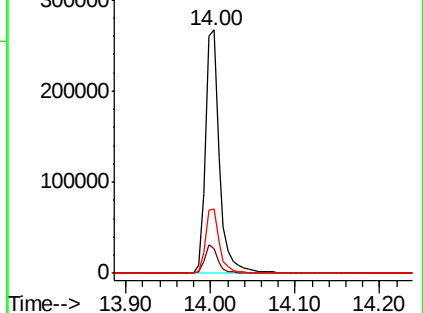
236 26.7 22.2 33.2



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: 105.177 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

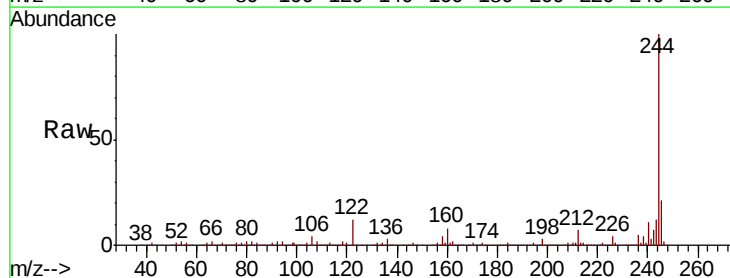
Tgt Ion:244 Resp: 1544074

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

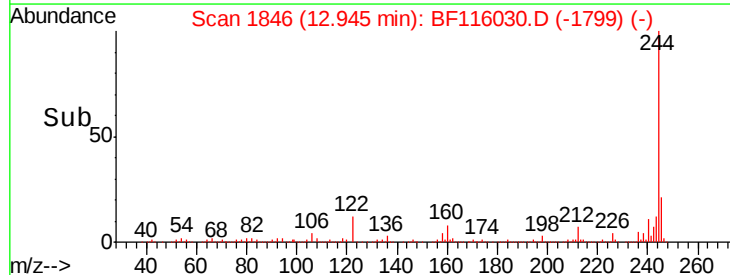
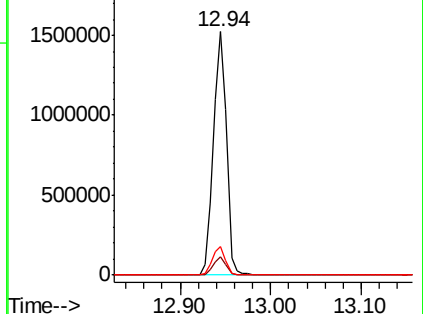
122 12.0 8.6 13.0

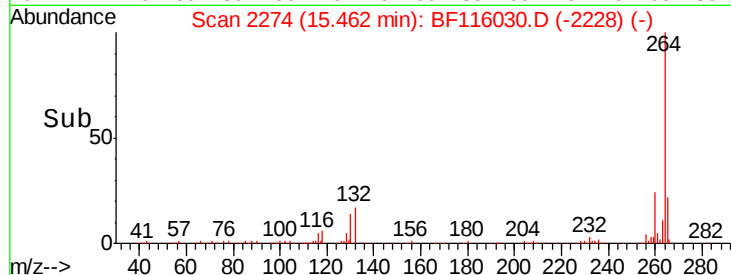
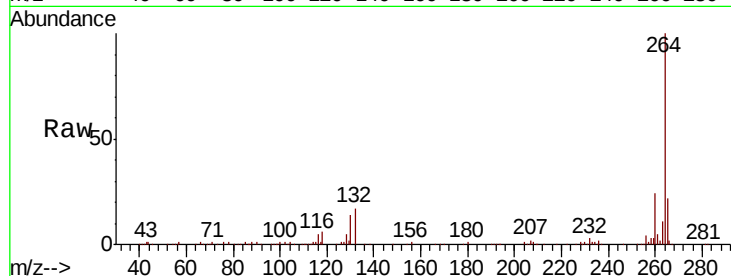
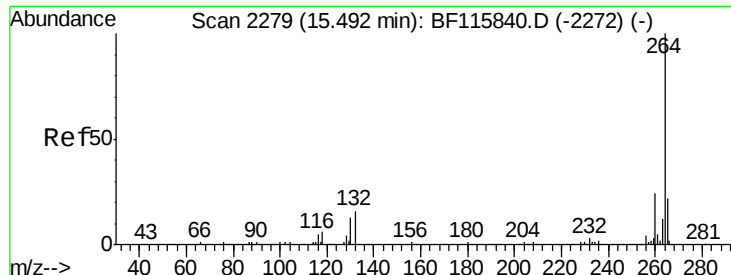


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF116030.D
 Acq: 6 Aug 2019 22:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264	Resp:	338977
Ion	Ratio	Lower Upper
264	100	
260	24.3	19.4 29.2
265	21.9	17.5 26.3

