

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116149.D
 Acq On : 10 Aug 2019 15:27
 Operator : HP/JU
 Sample : K4245-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 00:55:37 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

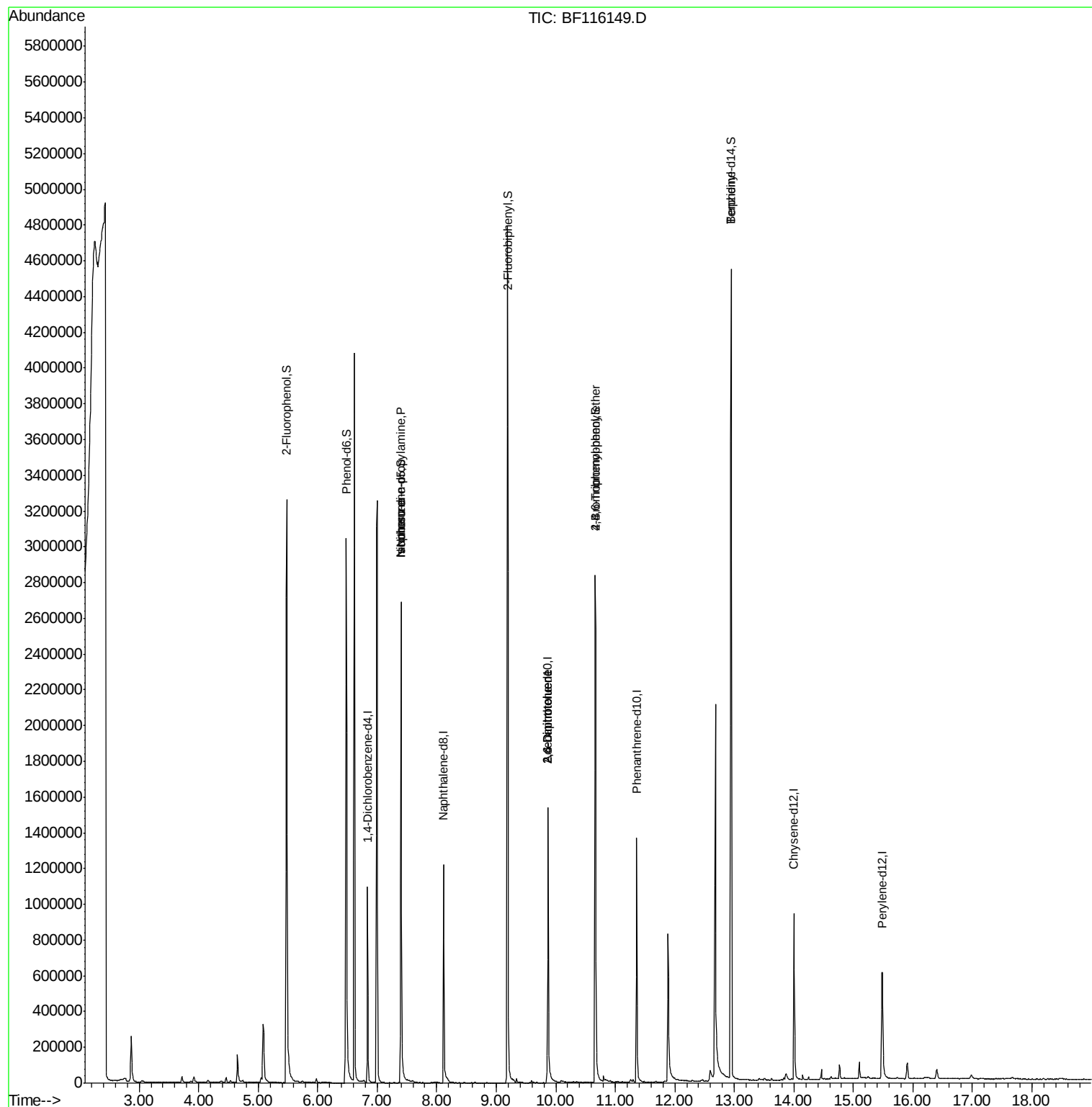
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	158359	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	617961	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	337058	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	565789	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	338480	20.00	ng	0.00
87) Perylene-d12	15.49	264	334015	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1085085	114.71	ng	0.01
7) Phenol-d6	6.48	99	1291080	108.18	ng	0.00
23) Nitrobenzene-d5	7.40	82	1018973	95.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	448049	137.11	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1731610	96.23	ng	-0.01
79) Terphenyl-d14	12.94	244	1779995	110.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	134266	18.154	ng	# 78
25) Isophorone	7.40	82	1019468	49.801	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	42708	8.563	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	42710	6.432	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	26619	4.395	ng	# 1
77) Benzidine	12.94	184	23947	2.094	ng	# 95

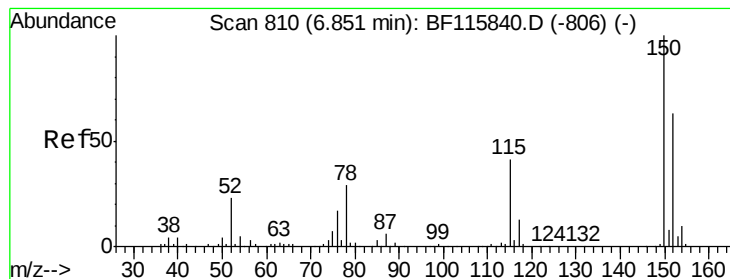
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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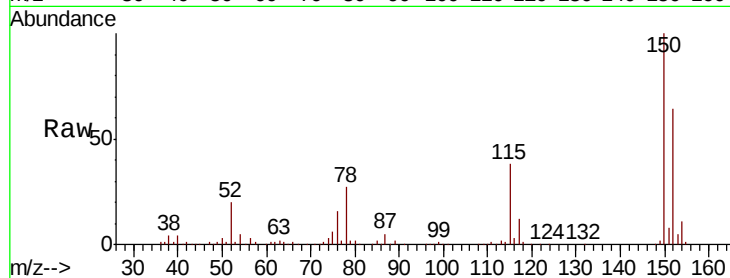




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116149.D
 Acq: 10 Aug 2019 15:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	60.0	49.9	74.9

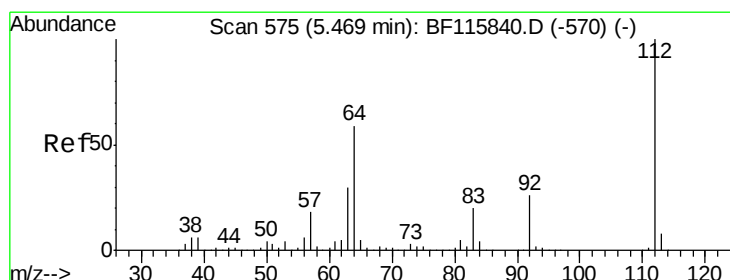
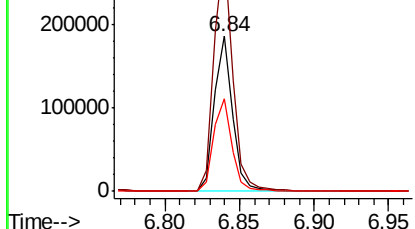
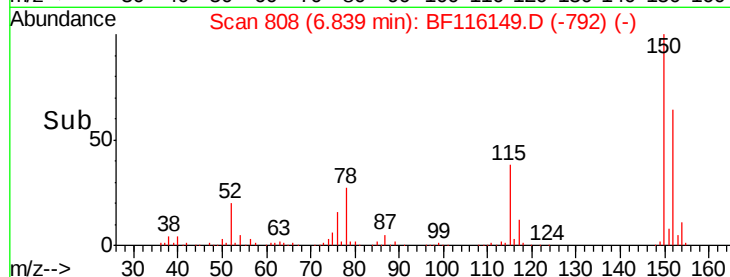


Abundance

Ion 152.00 (151.70 to 152.70): E

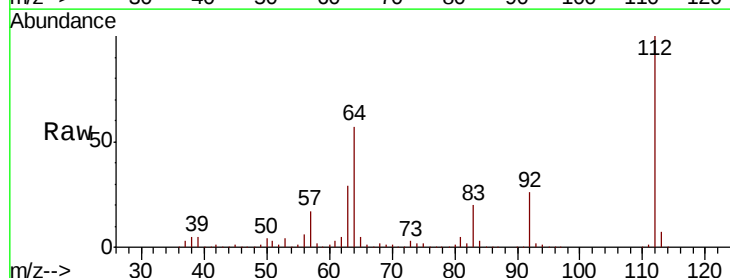
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 114.708 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF116149.D
 Acq: 10 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	45.4	68.2
63	29.3	23.7	35.5

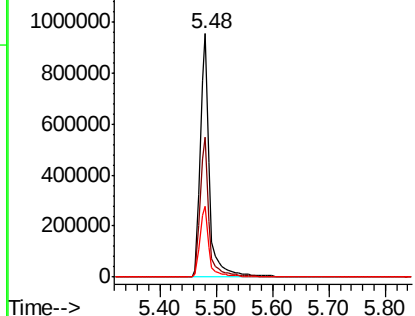
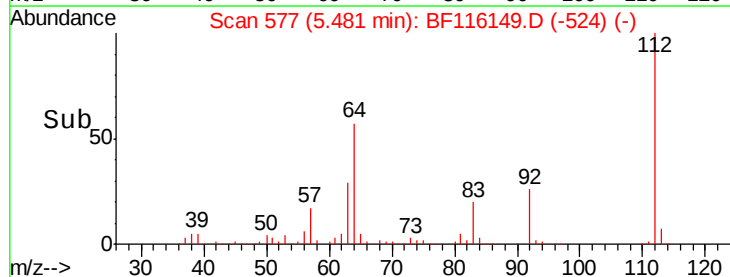


Abundance

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: 108.177 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116149.D

Acq: 10 Aug 2019 15:27

Instrument :

BNA_F

ClientSampled :

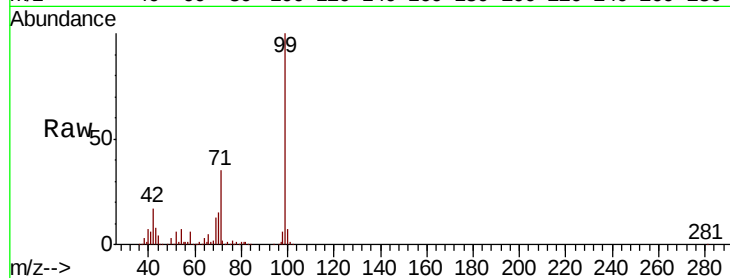
Tot Ion: 99 Resp: 1291080

Ion Ratio Lower Upper

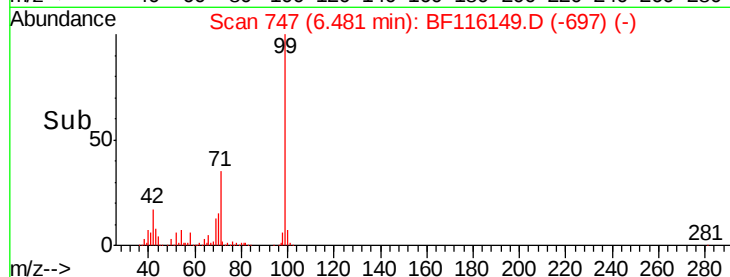
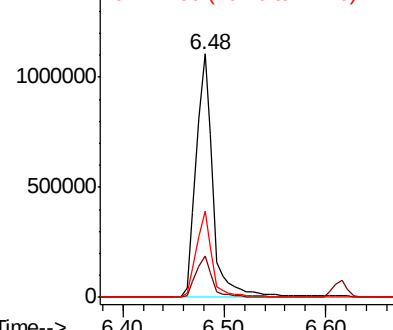
99 100

42 17.1 13.8 20.8

71 35.2 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000 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: 18.154 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116149.D

Acq: 10 Aug 2019 15:27

Tgt Ion: 70 Resp: 134266

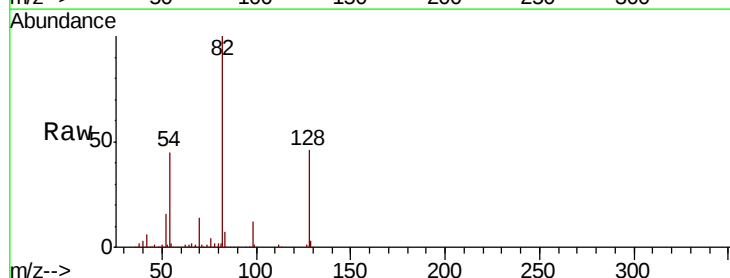
Ion Ratio Lower Upper

70 100

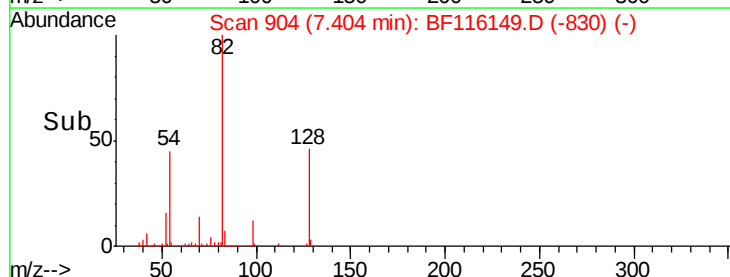
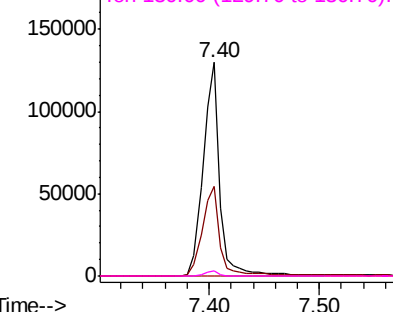
42 42.2 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#



Abundance Ion 70.00 (69.70 to 70.70): BF1
200000 Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116149.D

Acq: 10 Aug 2019 15:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 617961

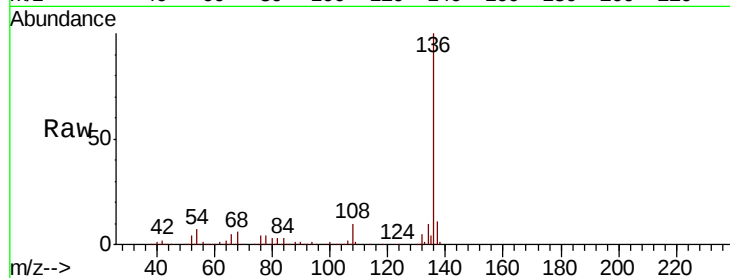
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.2 5.8 8.6

68 6.4 5.2 7.8

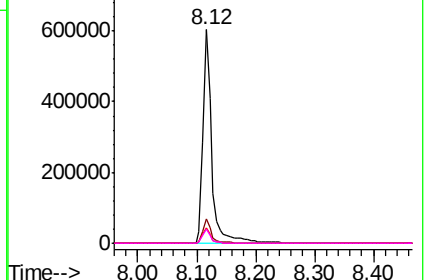
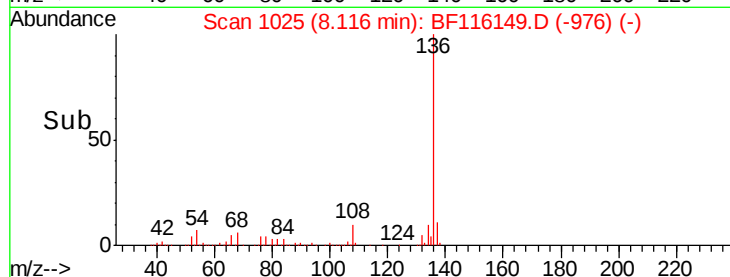


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.181 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116149.D

Acq: 10 Aug 2019 15:27

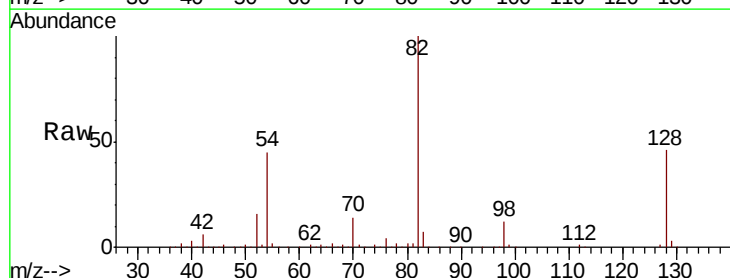
Tgt Ion: 82 Resp: 1018973

Ion Ratio Lower Upper

82 100

128 45.9 36.5 54.7

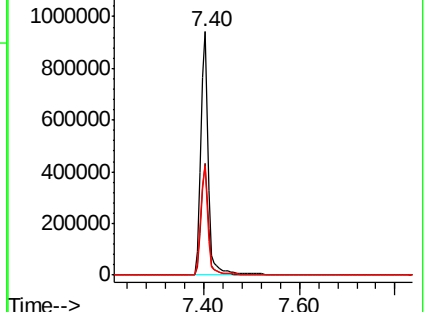
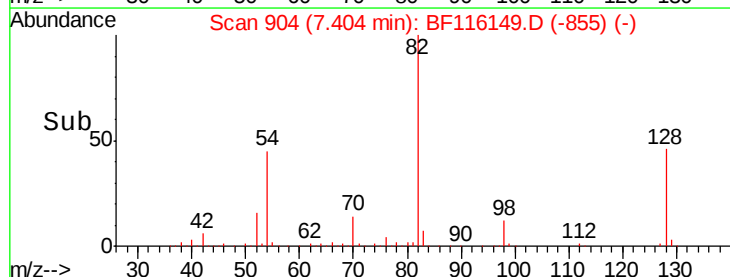
54 45.1 36.0 54.0



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: 49.801 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116149.D

Acq: 10 Aug 2019 15:27

Instrument :

BNA_F

ClientSampleId :

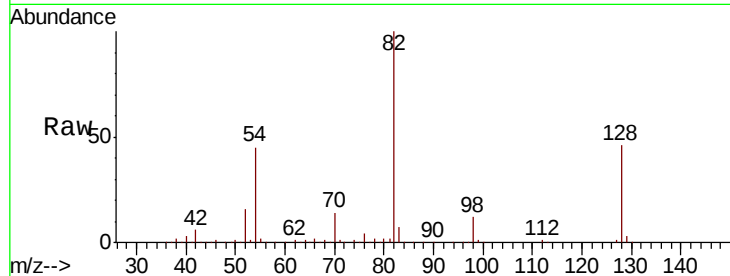
Tot Ion: 82 Resp: 1019468

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

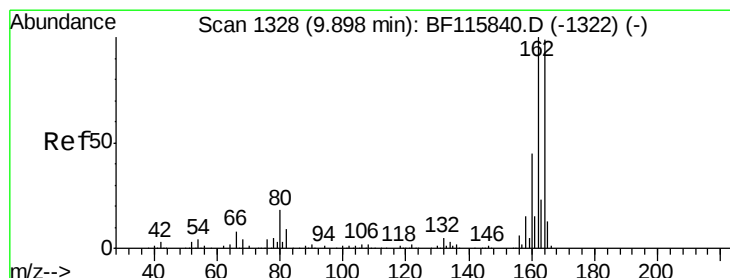
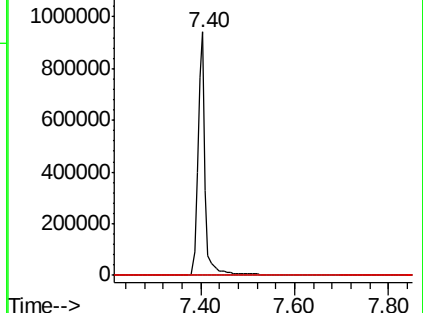
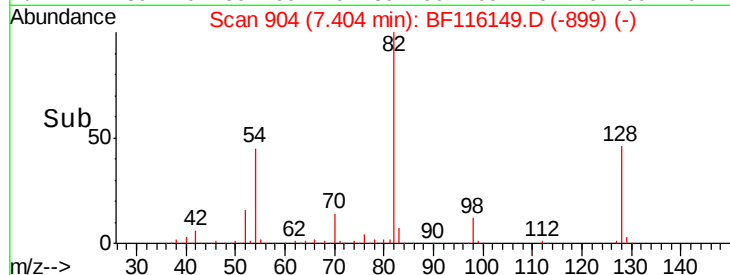
138 0.0 14.5 21.7#



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: BF116149.D

Acq: 10 Aug 2019 15:27

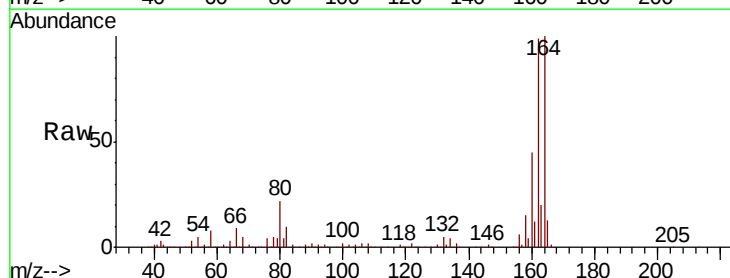
Tgt Ion: 164 Resp: 337058

Ion Ratio Lower Upper

164 100

162 99.0 82.6 124.0

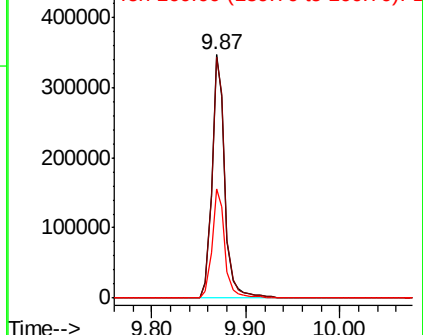
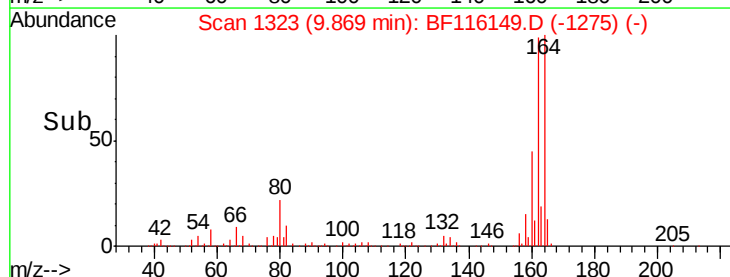
160 45.0 37.6 56.4



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: 137.107 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116149.D

Acq: 10 Aug 2019 15:27

Instrument :

BNA_F

ClientSampled :

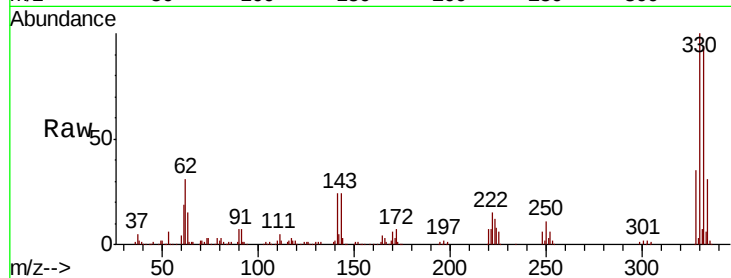
Tot Ion:330 Resp: 448049

Ion Ratio Lower Upper

330 100

332 94.5 76.8 115.2

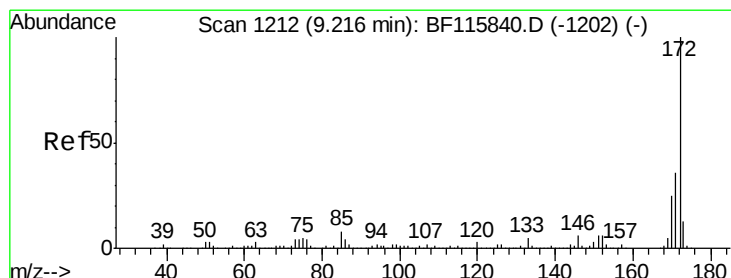
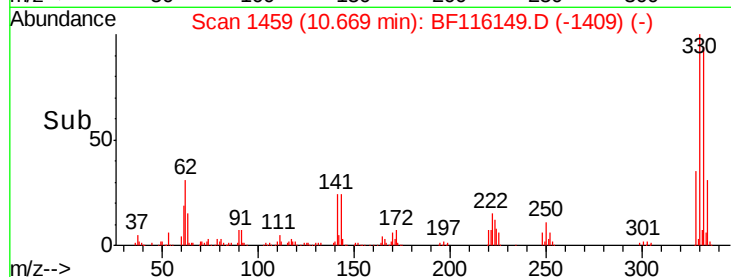
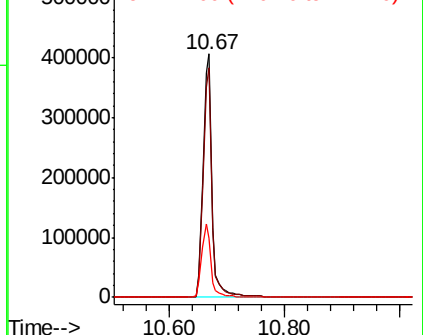
141 31.6 26.3 39.5



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: 96.228 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116149.D

Acq: 10 Aug 2019 15:27

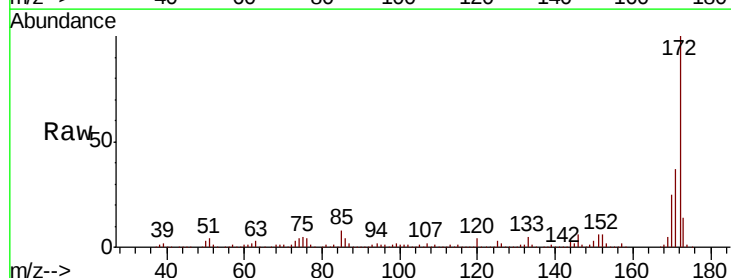
Tgt Ion:172 Resp: 1731610

Ion Ratio Lower Upper

172 100

171 36.9 29.6 44.4

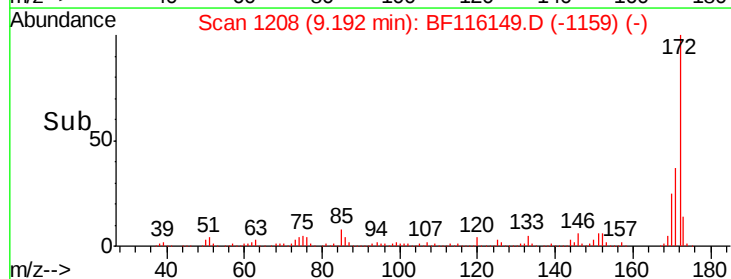
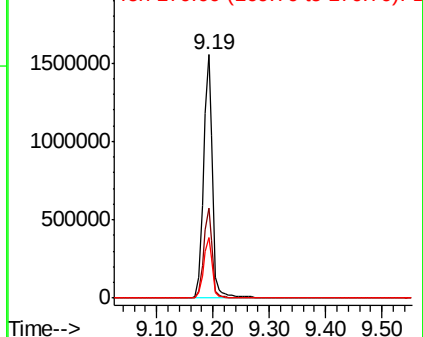
170 25.1 20.1 30.1

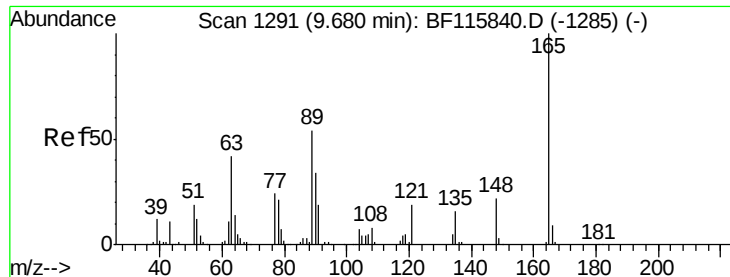


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

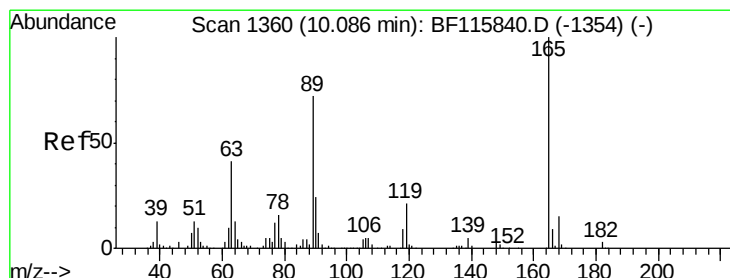
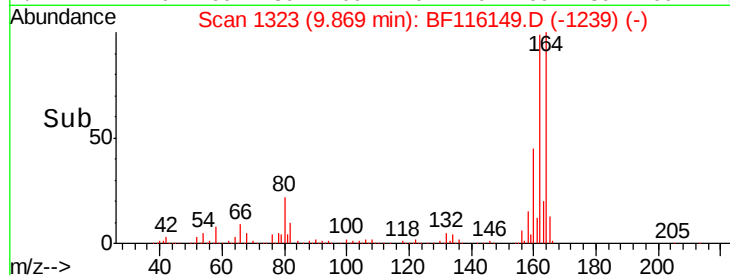
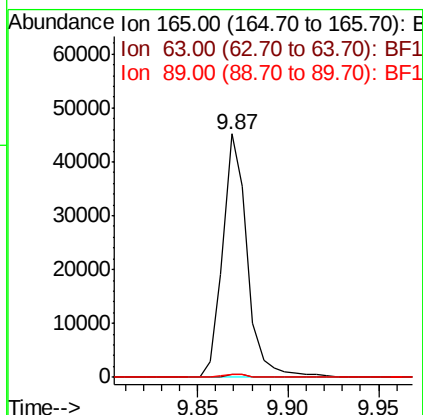
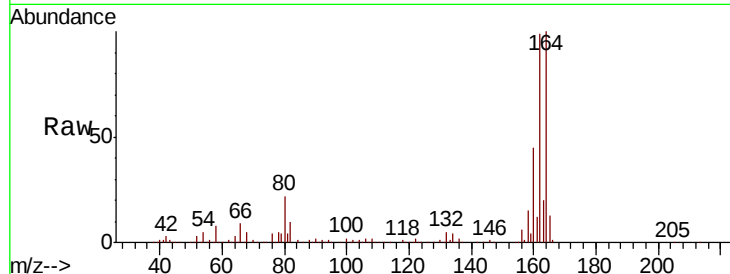




#51
 2,6-Dinitrotoluene
 Concen: 8.563 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116149.D
 Acq: 10 Aug 2019 15:27

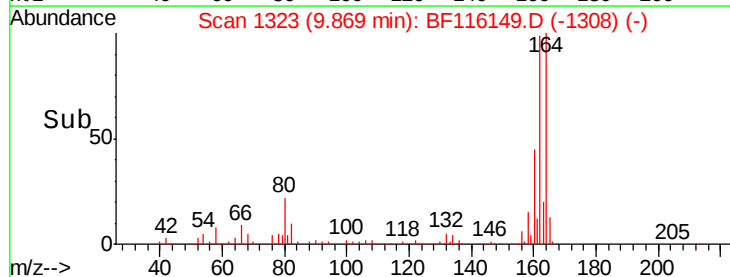
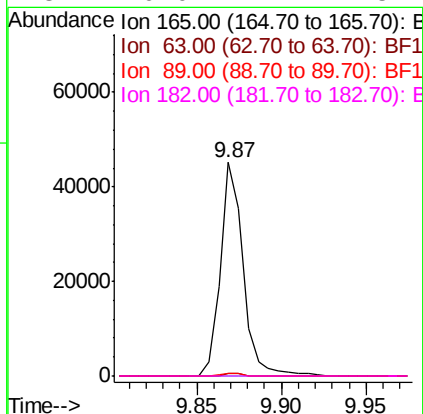
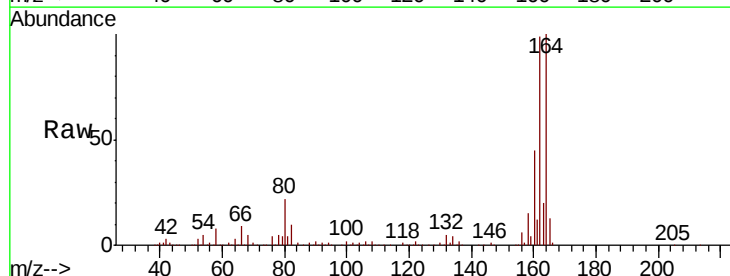
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	38.2	57.2#
89	1.3	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.432 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116149.D
 Acq: 10 Aug 2019 15:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	39.6	59.4#
89	1.3	62.2	93.2#
182	0.0	2.1	3.1#

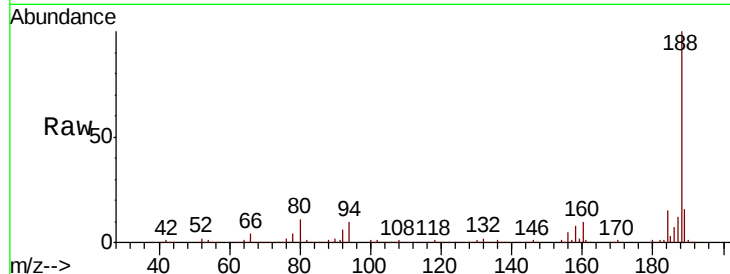




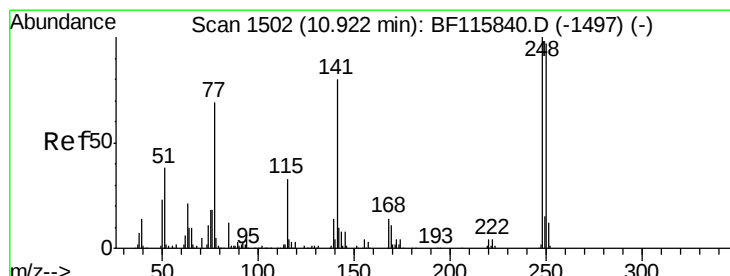
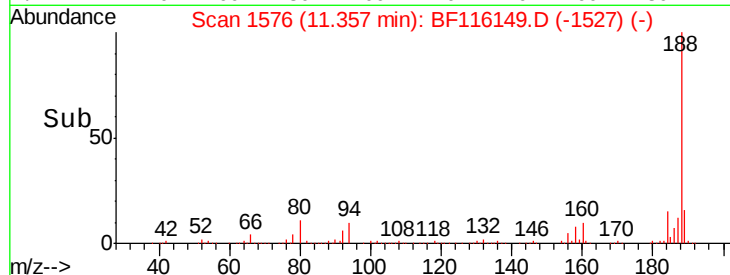
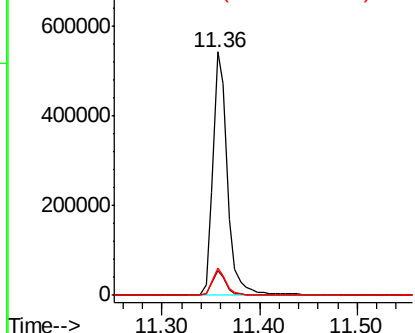
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116149.D
 Acq: 10 Aug 2019 15:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 565789
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.1 12.1
 80 11.3 8.7 13.1

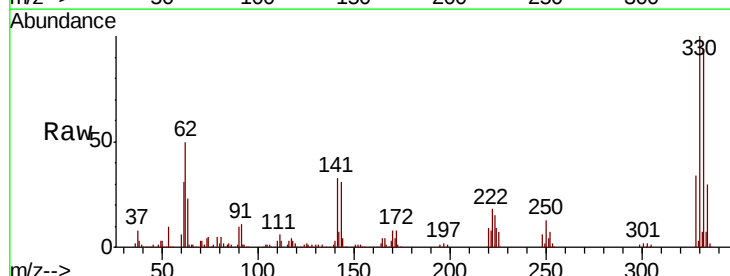


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

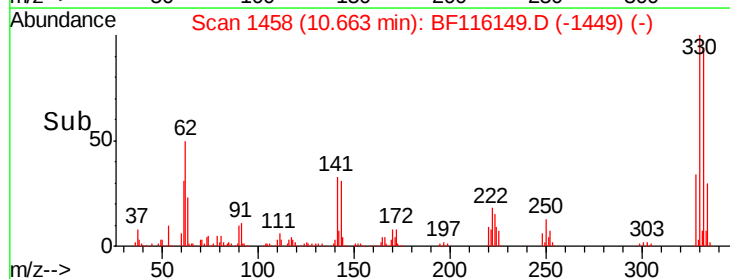
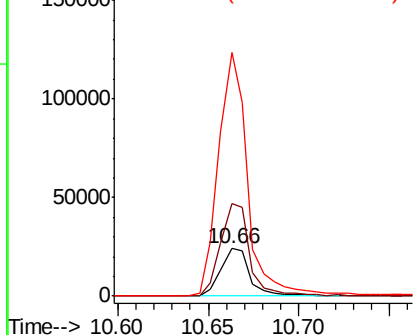


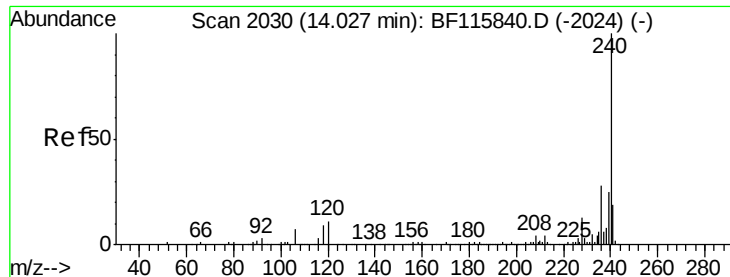
#67
 4-Bromophenyl-phenylether
 Concen: 4.395 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116149.D
 Acq: 10 Aug 2019 15:27

Tgt Ion:248 Resp: 26619
 Ion Ratio Lower Upper
 248 100
 250 194.9 77.4 116.2#
 141 513.8 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

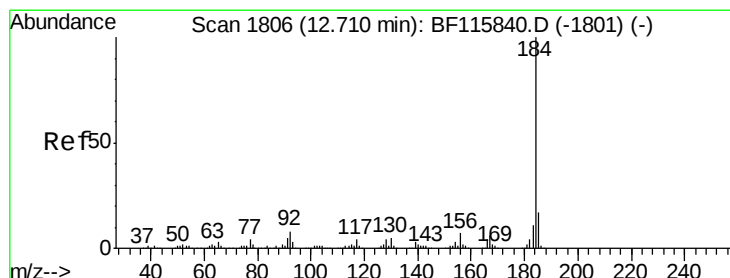
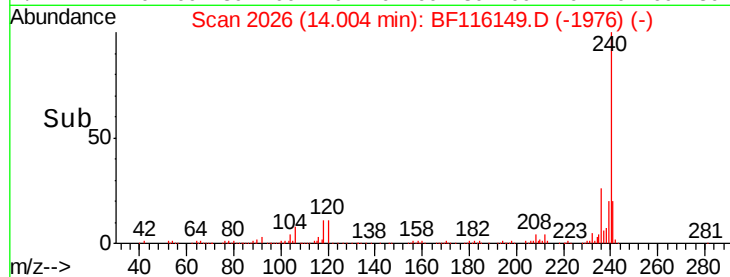
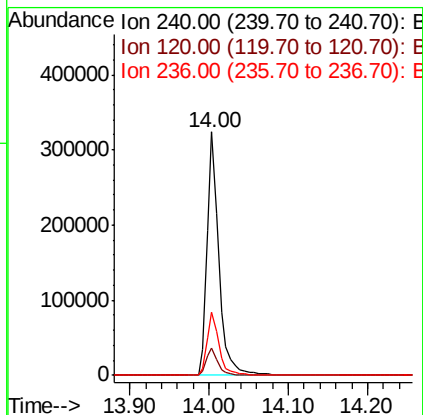
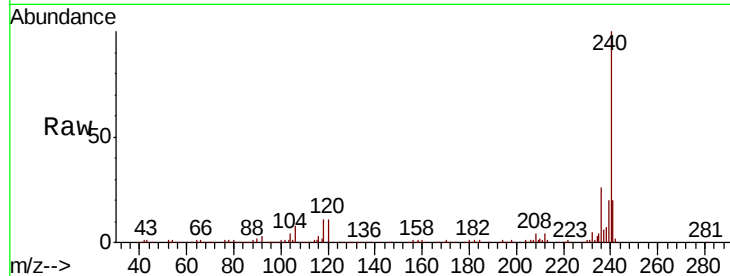




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF116149.D
 Acq: 10 Aug 2019 15:27

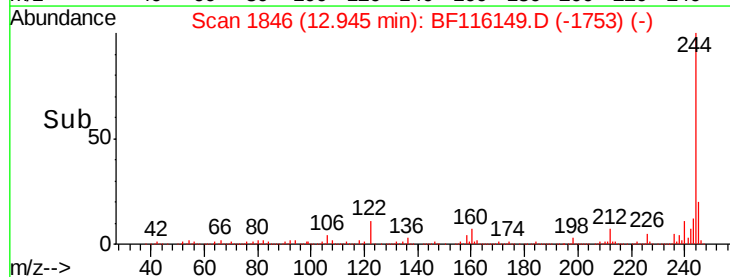
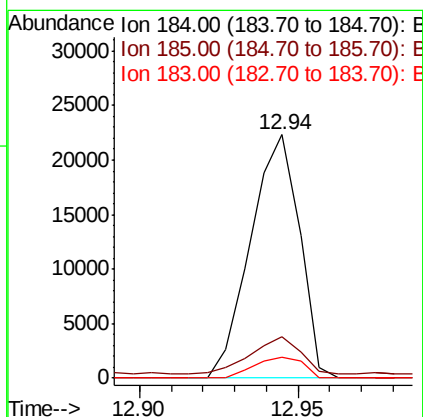
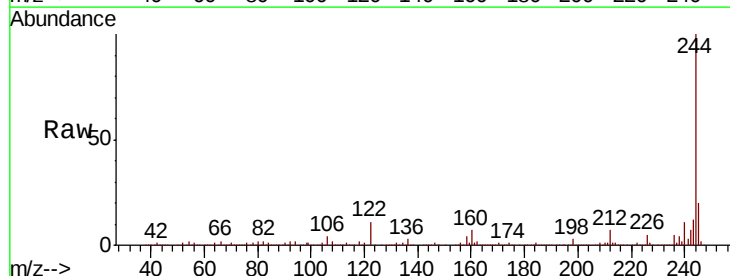
Instrument :
 BNA_F
 ClientSampleId :

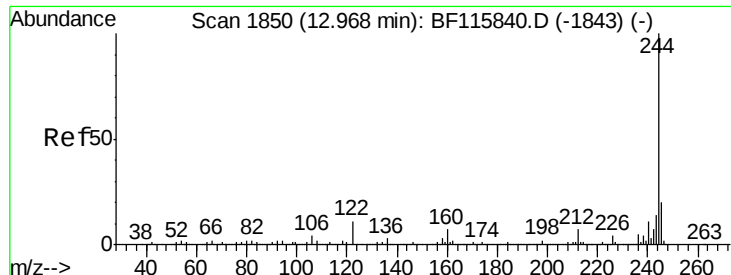
Tot Ion:240 Resp: 338480
 Ion Ratio Lower Upper
 240 100
 120 11.3 10.7 16.1
 236 26.2 22.2 33.2



#77
 Benzidine
 Concen: 2.094 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.25 min
 Lab File: BF116149.D
 Acq: 10 Aug 2019 15:27

Tgt Ion:184 Resp: 23947
 Ion Ratio Lower Upper
 184 100
 185 17.2 12.8 19.2
 183 8.7 9.4 14.0#





#79

Terphenyl-d14

Concen: 110.811 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116149.D

Acq: 10 Aug 2019 15:27

Instrument :

BNA_F

ClientSampleId :

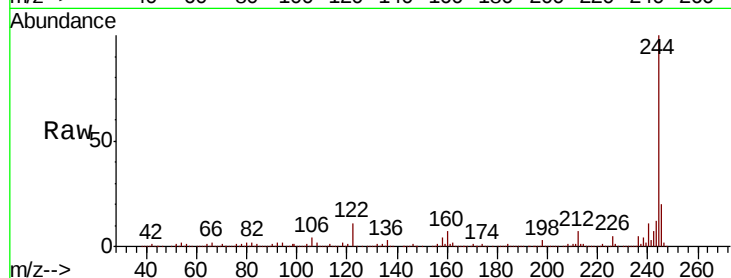
Tot Ion:244 Resp: 1779995

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

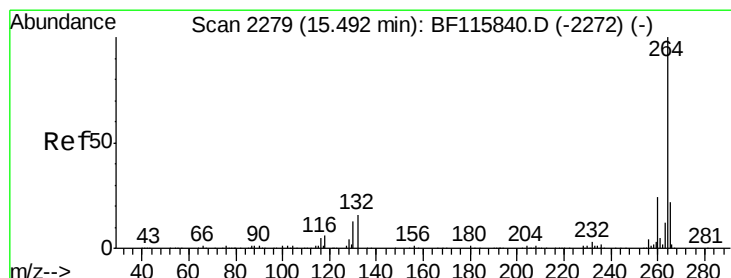
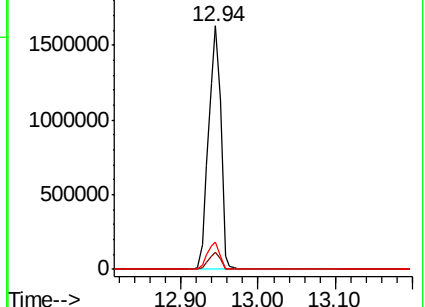
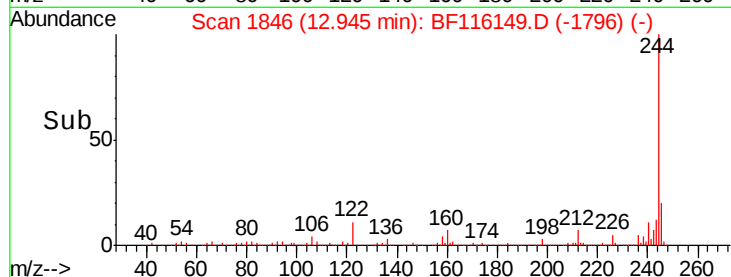
122 11.2 9.0 13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF116149.D

Acq: 10 Aug 2019 15:27

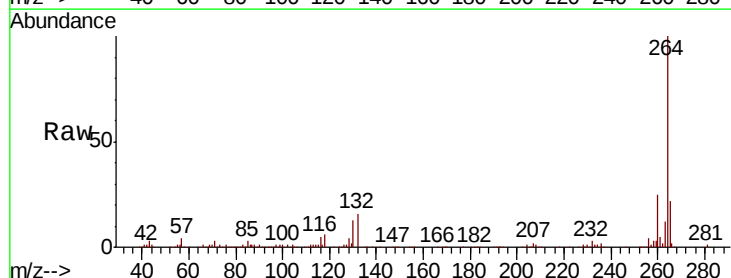
Tgt Ion:264 Resp: 334015

Ion Ratio Lower Upper

264 100

260 24.6 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

