

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116202.D
 Acq On : 12 Aug 2019 21:26
 Operator : HP/JU
 Sample : K4085-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-080919-C

Quant Time: Aug 13 01:08:22 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

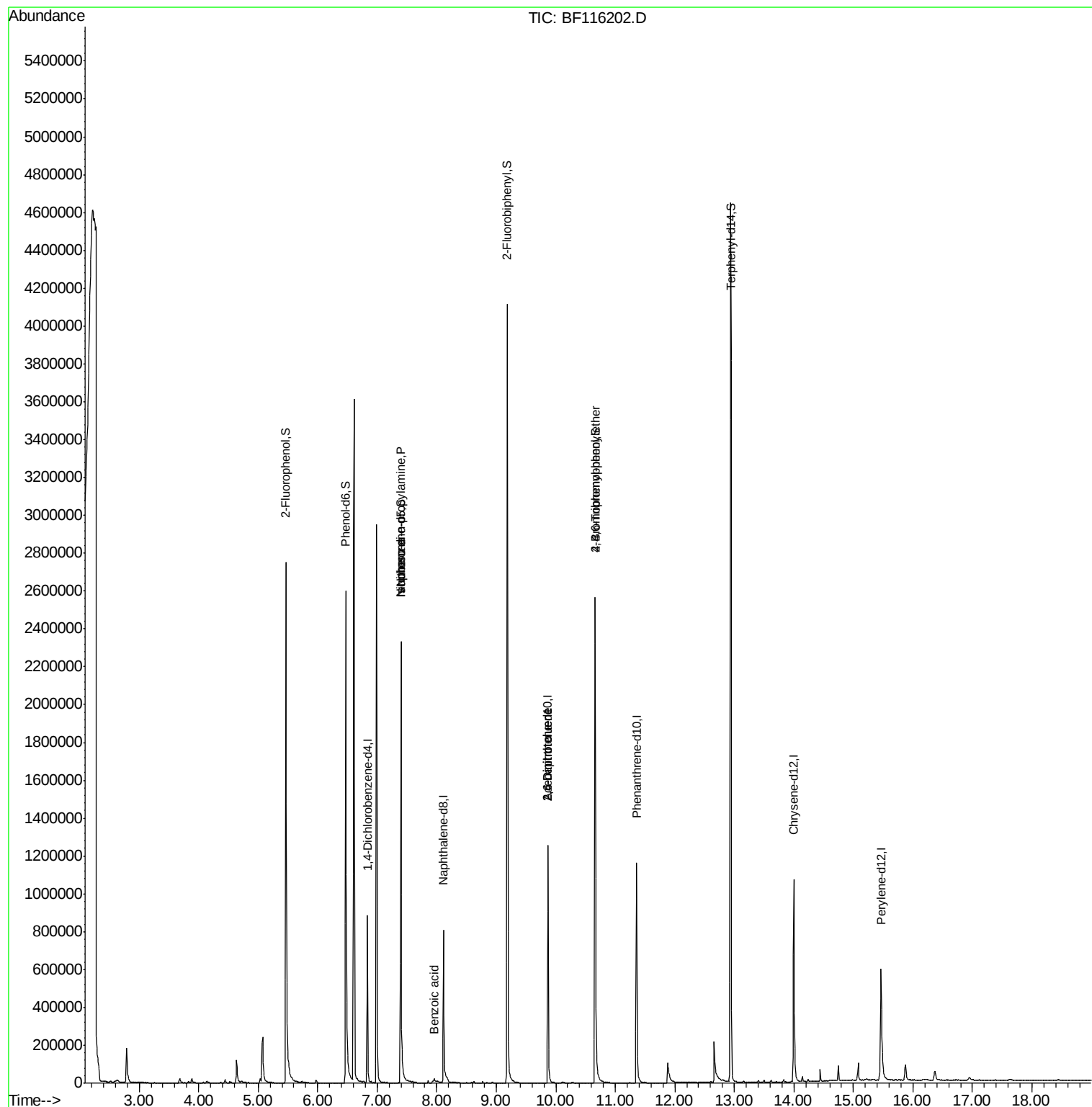
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	128307	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	490573	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	269497	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	530959	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	427921	20.00	ng	-0.01
87) Perylene-d12	15.46	264	374557	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	935485	122.06	ng	0.00
7) Phenol-d6	6.47	99	1112759	115.07	ng	-0.01
23) Nitrobenzene-d5	7.40	82	856846	100.82	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	417595	159.82	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1481370	102.96	ng	-0.02
79) Terphenyl-d14	12.94	244	1919165	94.50	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	113465	18.935	ng	# 79
25) Isophorone	7.40	82	856842	52.726	ng	# 65
32) Benzoic acid	7.96	122	12329	2.687	ng	# 99
51) 2,6-Dinitrotoluene	9.87	165	34584	8.673	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	34584	6.514	ng	# 21
67) 4-Bromophenyl-phenylether	10.66	248	24796	4.362	ng	# 1

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

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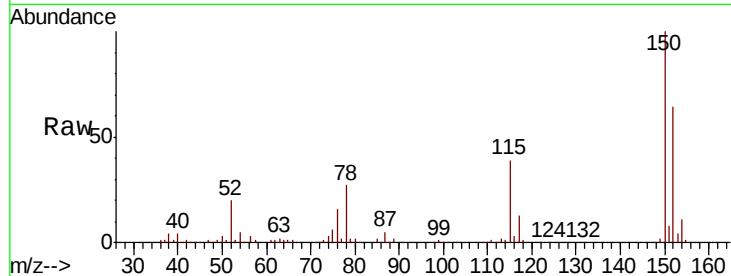


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116202.D
 Acq: 12 Aug 2019 21:26

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-080919-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	60.8	49.9	74.9

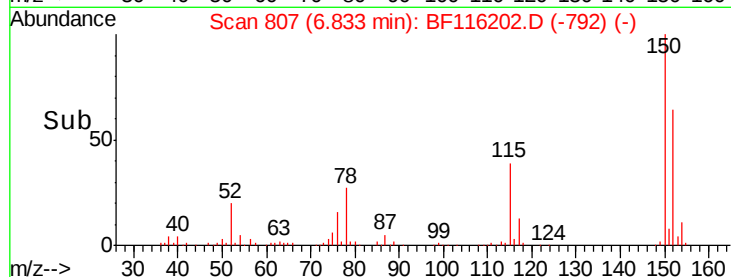
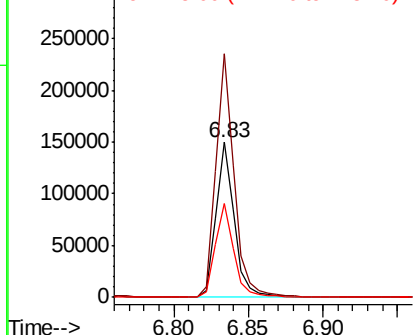


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

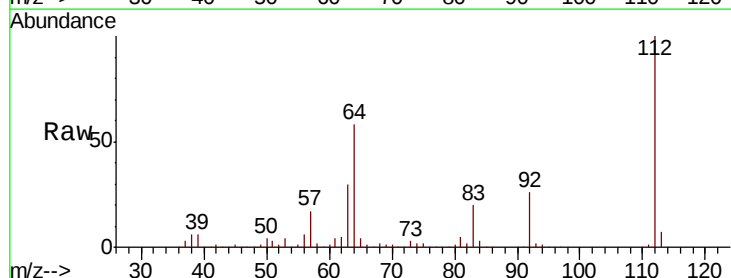
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 122.056 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF116202.D
 Acq: 12 Aug 2019 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	45.4	68.2
63	29.9	23.7	35.5

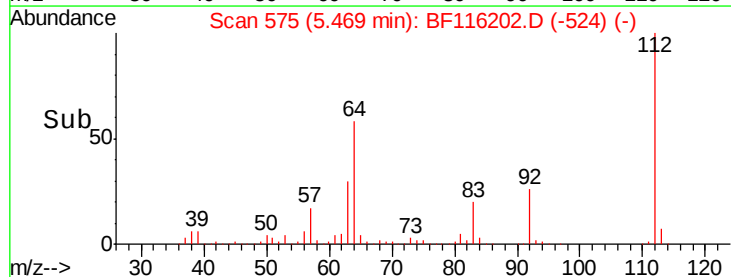
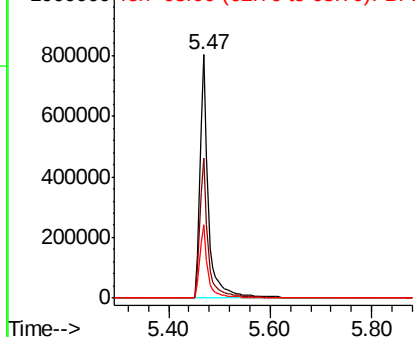


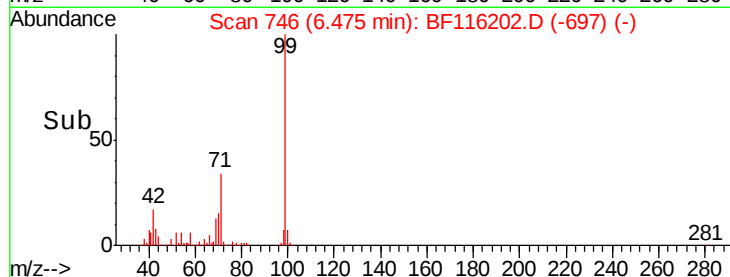
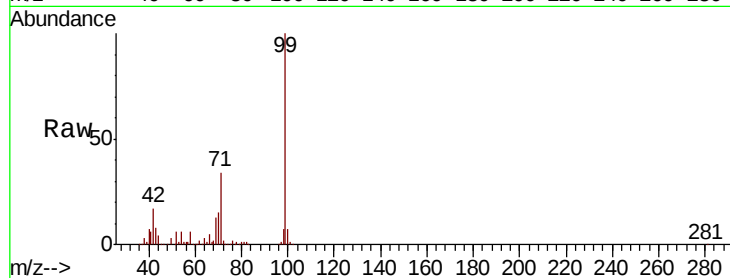
Abundance

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: 115.073 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116202.D

Acq: 12 Aug 2019 21:26

Instrument :

BNA_F

ClientSampleId :

HR-05-080919-C

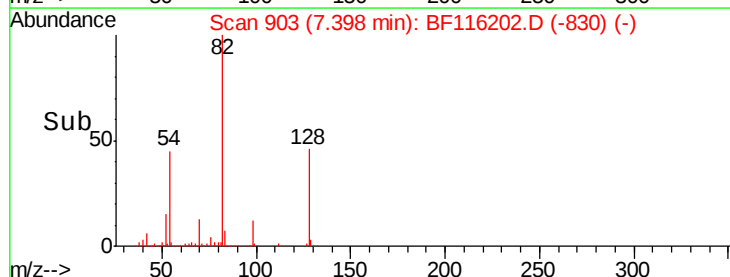
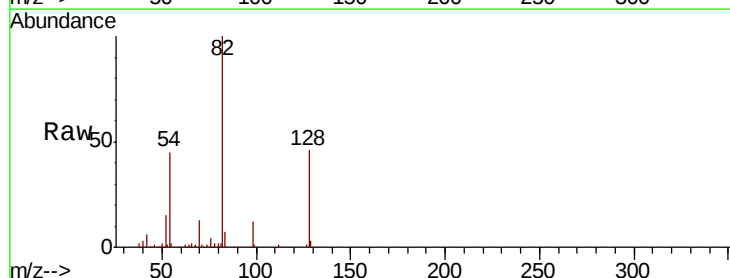
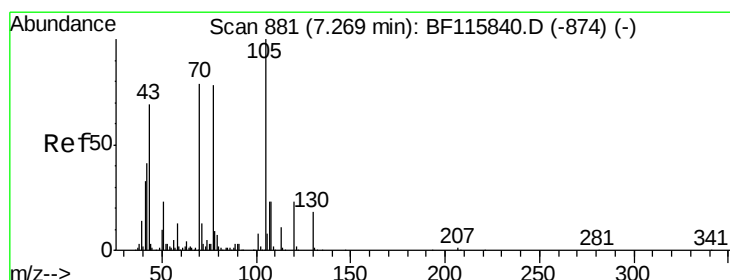
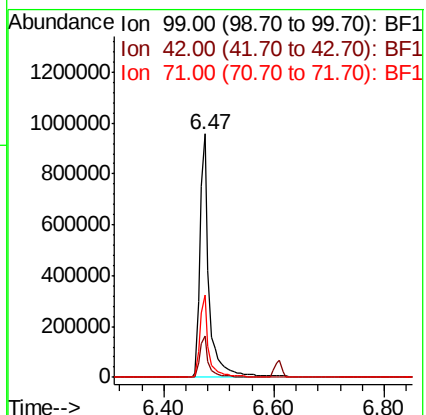
Tot Ion: 99 Resp: 1112759

Ion Ratio Lower Upper

99 100

42 16.8 13.8 20.8

71 33.9 27.3 40.9



#19

n-Nitroso-di-n-propylamine

Concen: 18.935 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116202.D

Acq: 12 Aug 2019 21:26

Tgt Ion: 70 Resp: 113465

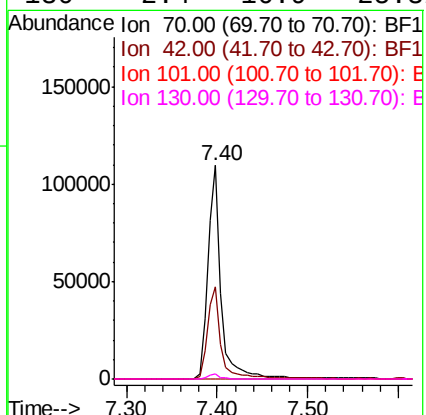
Ion Ratio Lower Upper

70 100

42 43.0 40.9 61.3

101 0.0 7.9 11.9#

130 2.4 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116202.D

Acq: 12 Aug 2019 21:26

Instrument :

BNA_F

ClientSampleId :

HR-05-080919-C

Tot Ion:136 Resp: 490573

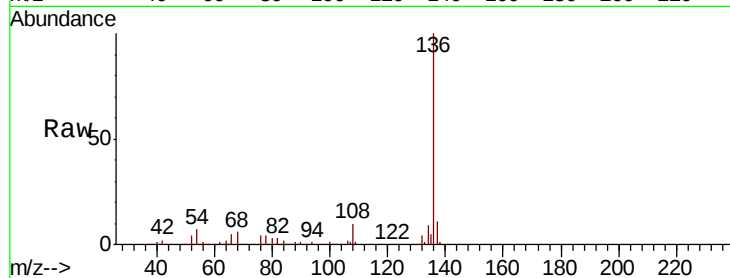
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.6 5.8 8.6

68 5.9 5.2 7.8

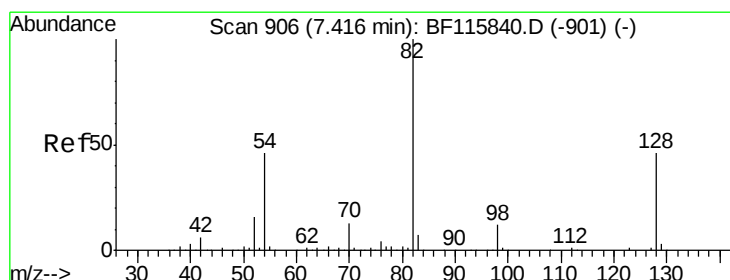
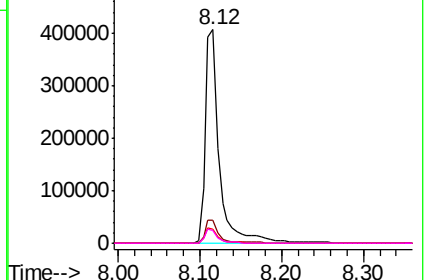
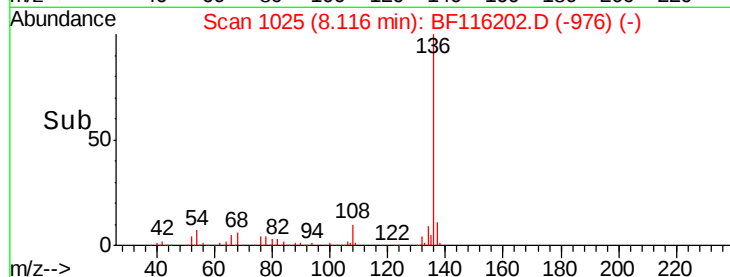


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.820 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116202.D

Acq: 12 Aug 2019 21:26

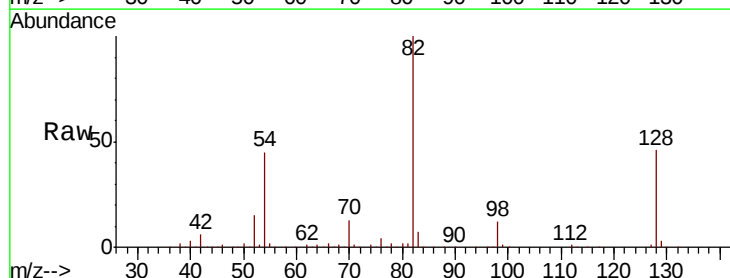
Tgt Ion: 82 Resp: 856846

Ion Ratio Lower Upper

82 100

128 45.8 36.5 54.7

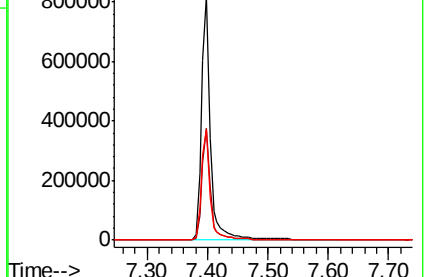
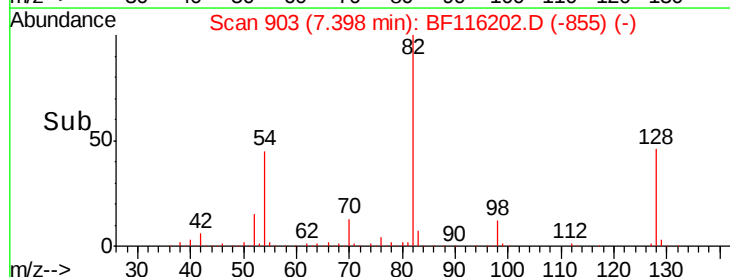
54 45.2 36.0 54.0



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: 52.726 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116202.D

Acq: 12 Aug 2019 21:26

Instrument :

BNA_F

ClientSampleId :

HR-05-080919-C

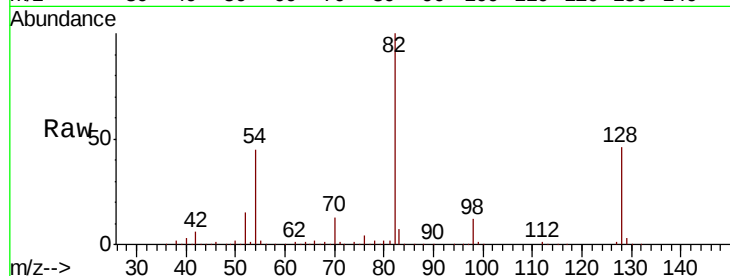
Tot Ion: 82 Resp: 856842

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

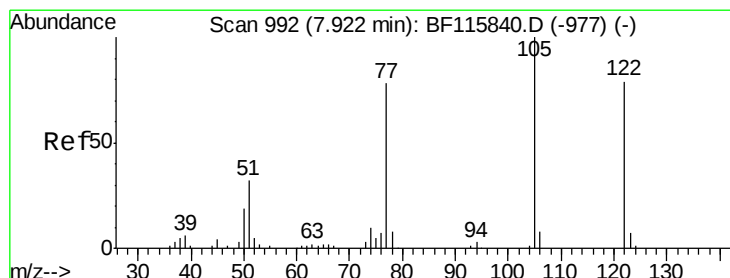
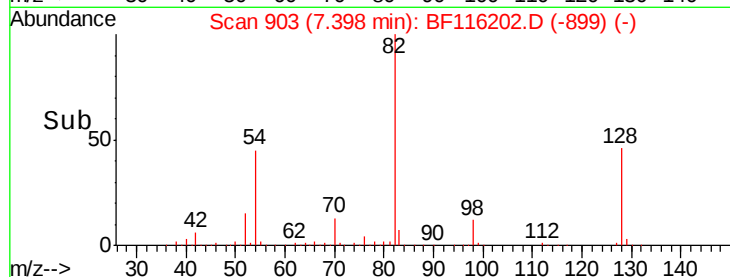
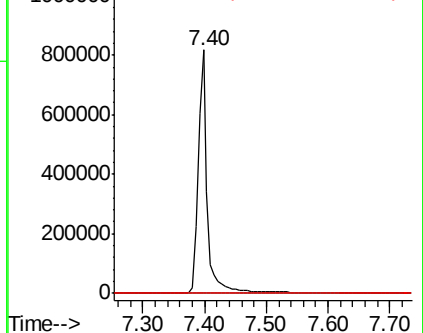
138 0.0 14.5 21.7#



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



#32

Benzoic acid

Concen: 2.687 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.01 min

Lab File: BF116202.D

Acq: 12 Aug 2019 21:26

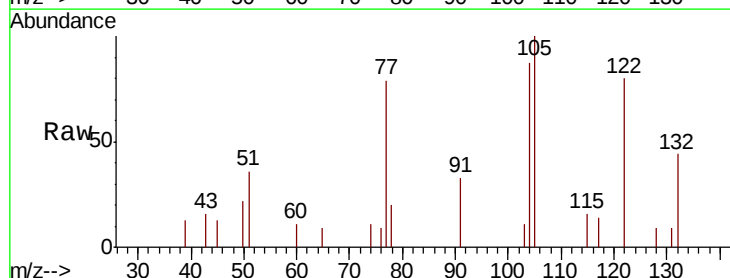
Tgt Ion: 122 Resp: 12329

Ion Ratio Lower Upper

122 100

105 125.7 106.1 146.1

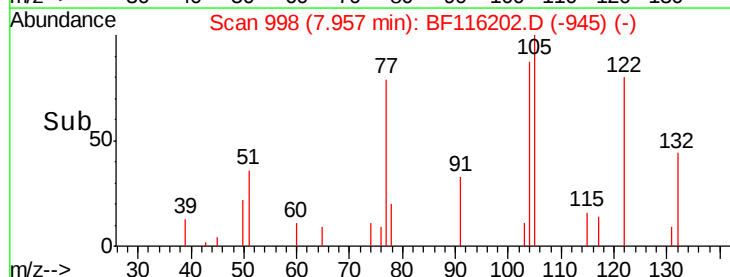
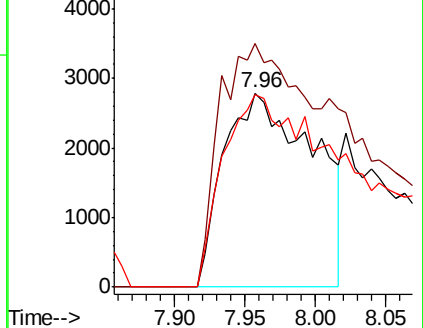
77 99.6 76.7 116.7

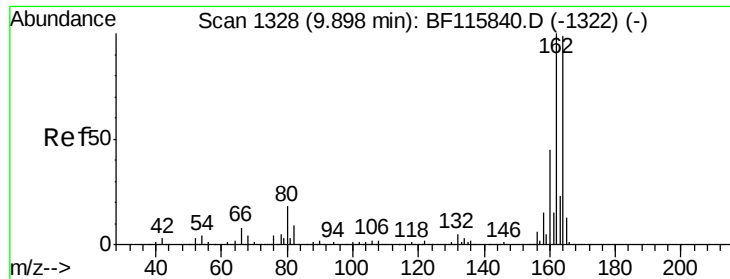


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

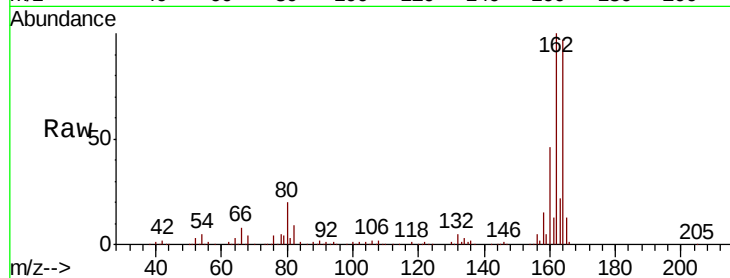




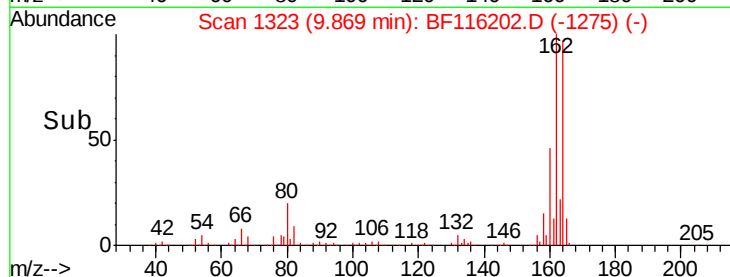
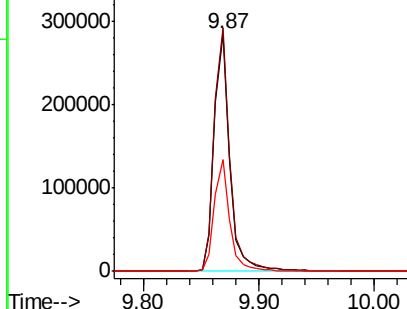
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116202.D
 Acq: 12 Aug 2019 21:26

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-080919-C

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	124.0
160	47.0	37.6	56.4

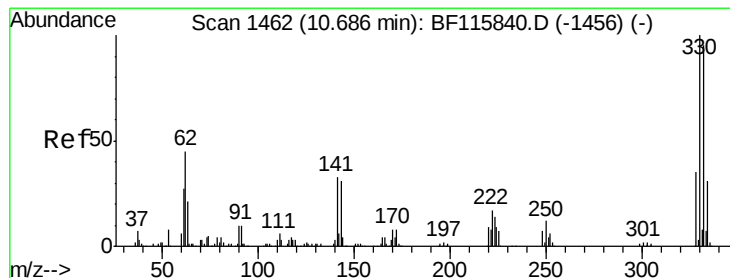


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

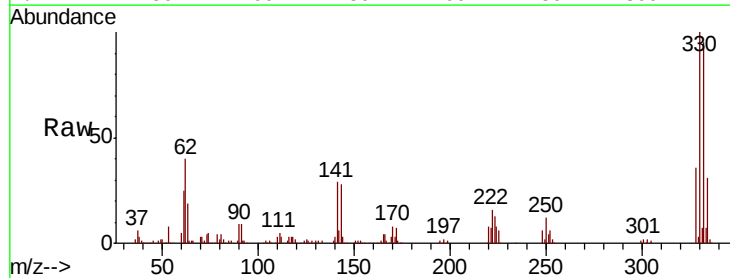
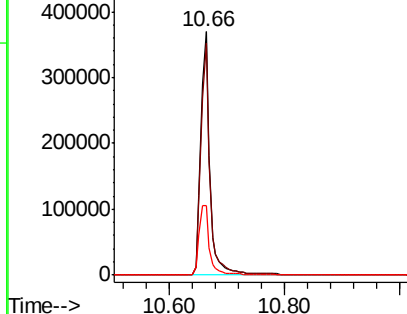


#42
 2,4,6-Tribromophenol
 Concen: 159.824 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116202.D
 Acq: 12 Aug 2019 21:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.8	115.2
141	33.0	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

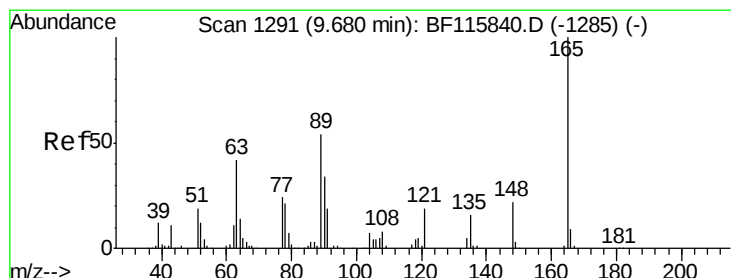
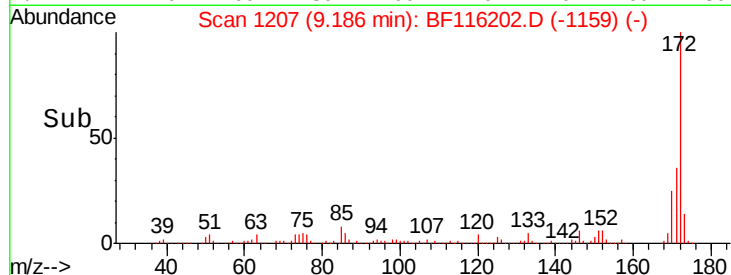
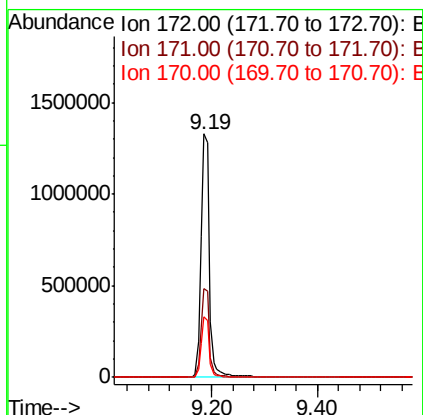
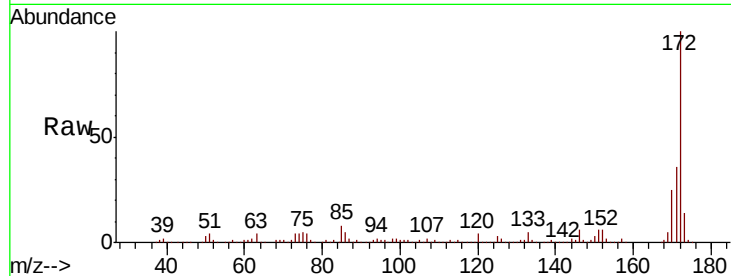




#45
 2-Fluorobiphenyl
 Concen: 102.959 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116202.D
 Acq: 12 Aug 2019 21:26

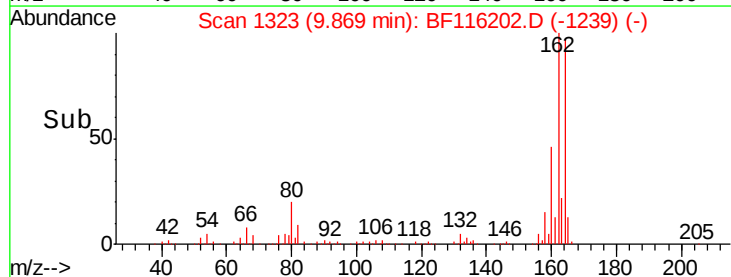
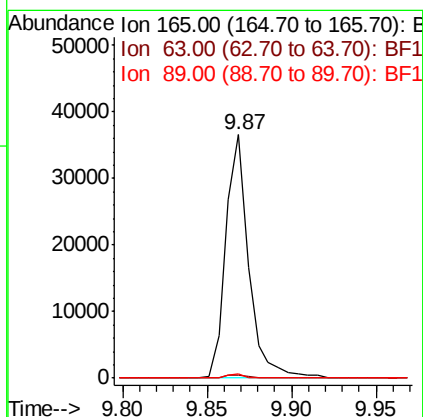
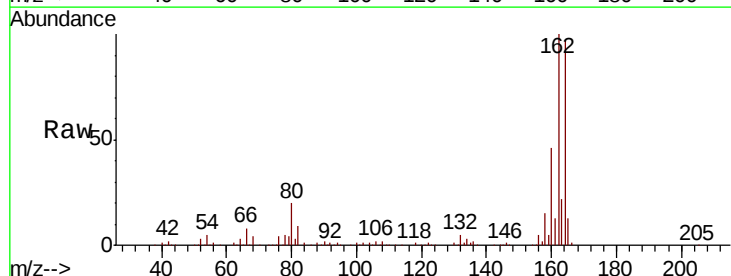
Instrument :
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 ClientSampleId :
 HR-05-080919-C

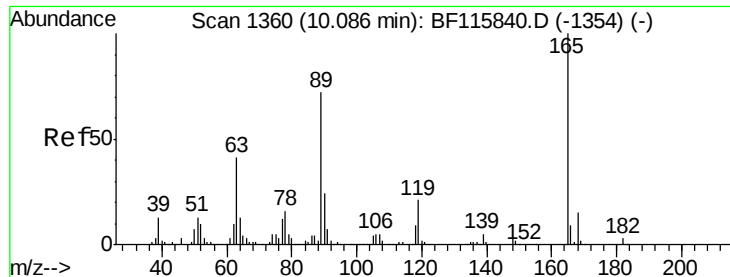
Tot Ion:172 Resp: 1481370
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.8 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 8.673 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116202.D
 Acq: 12 Aug 2019 21:26

Tgt Ion:165 Resp: 34584
 Ion Ratio Lower Upper
 165 100
 63 1.4 38.2 57.2#
 89 1.6 42.9 64.3#

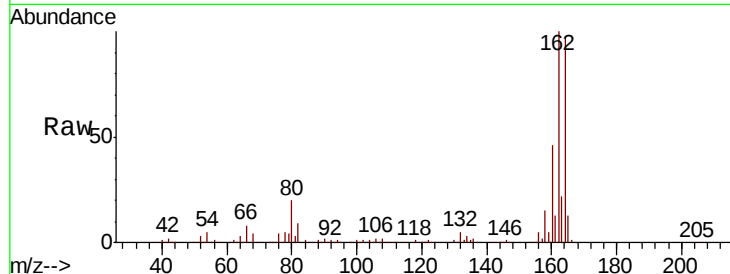




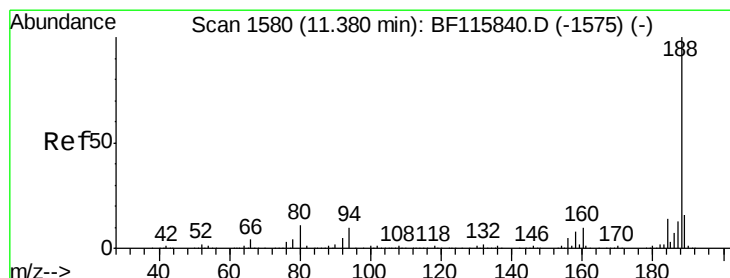
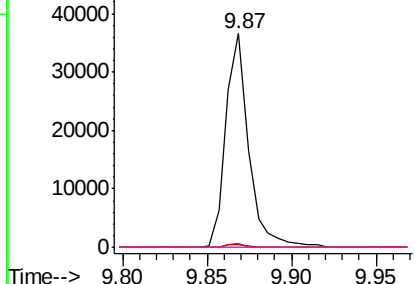
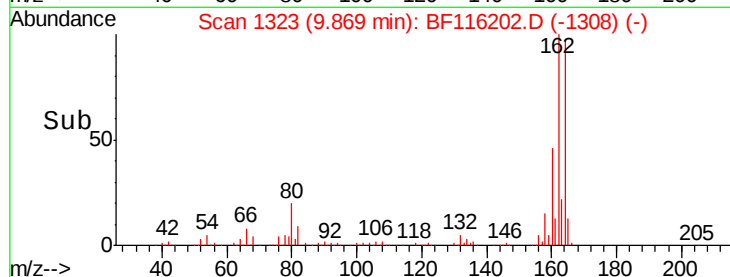
#57
 2,4-Dinitrotoluene
 Concen: 6.514 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116202.D
 Acq: 12 Aug 2019 21:26

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-080919-C

Tot Ion:165 Resp: 34584
 Ion Ratio Lower Upper
 165 100
 63 1.4 39.6 59.4#
 89 1.6 62.2 93.2#
 182 0.0 2.1 3.1#

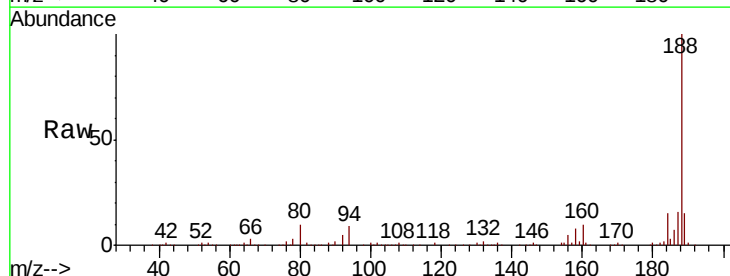


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

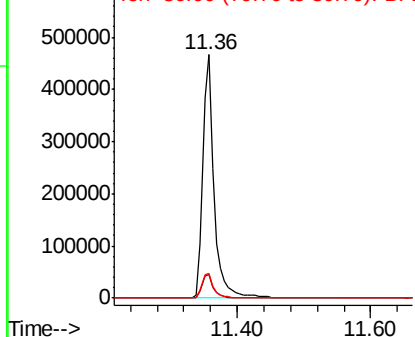
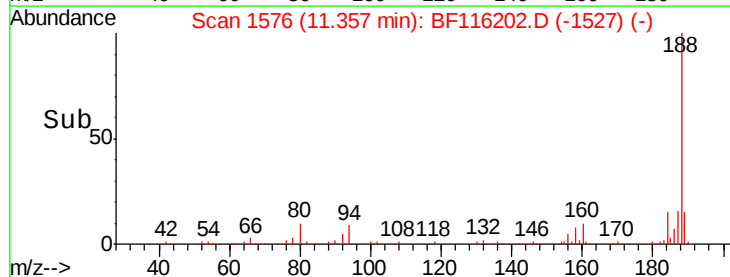


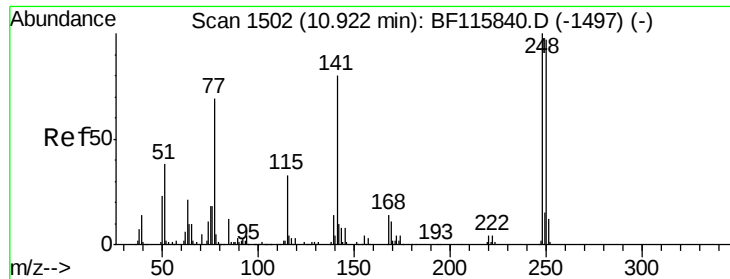
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116202.D
 Acq: 12 Aug 2019 21:26

Tgt Ion:188 Resp: 530959
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.1 12.1
 80 9.9 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

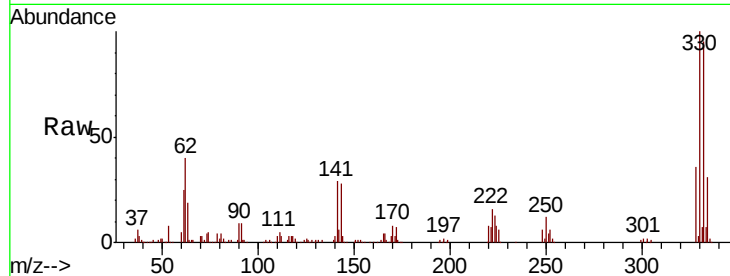




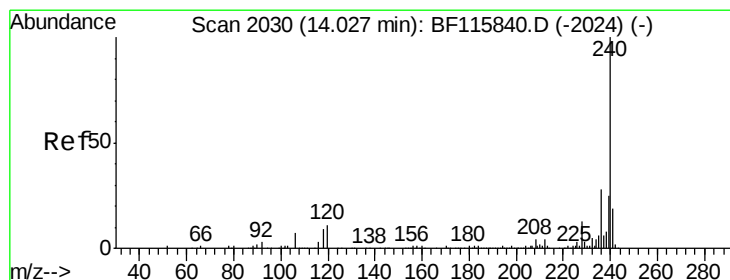
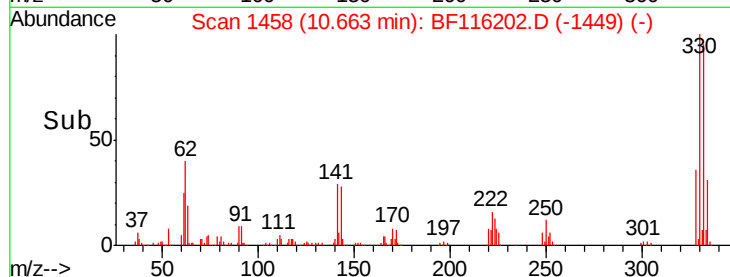
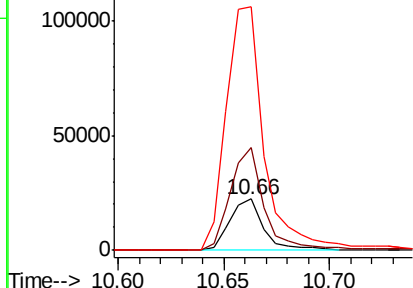
#67
 4-Bromophenyl-phenylether
 Concen: 4.362 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116202.D
 Acq: 12 Aug 2019 21:26

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-080919-C

Tot Ion	Ratio	Lower	Upper
248	100		
250	202.3	77.4	116.2#
141	477.3	56.8	85.2#

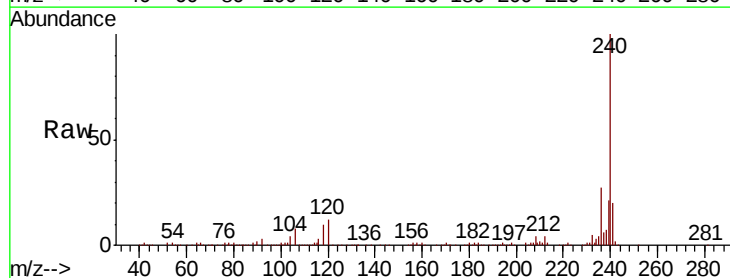


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

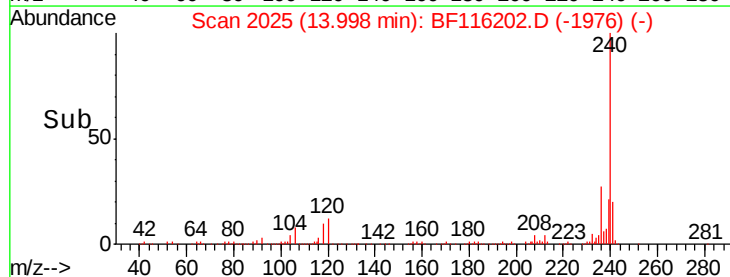
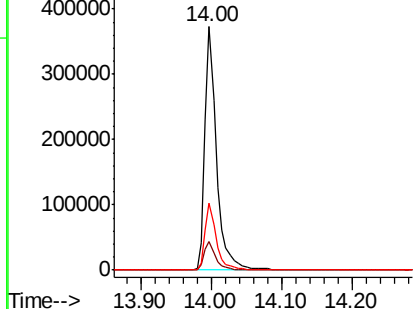


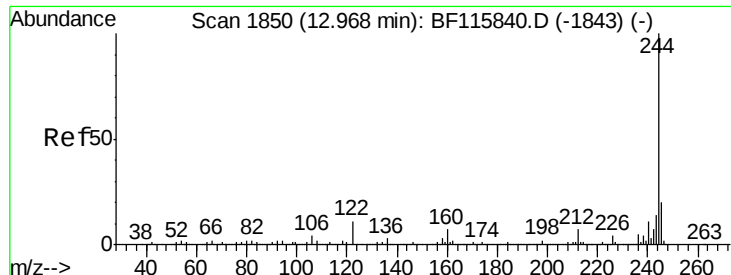
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF116202.D
 Acq: 12 Aug 2019 21:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.7	16.1
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: 94.503 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116202.D

Acq: 12 Aug 2019 21:26

Instrument :

BNA_F

ClientSampleId :

HR-05-080919-C

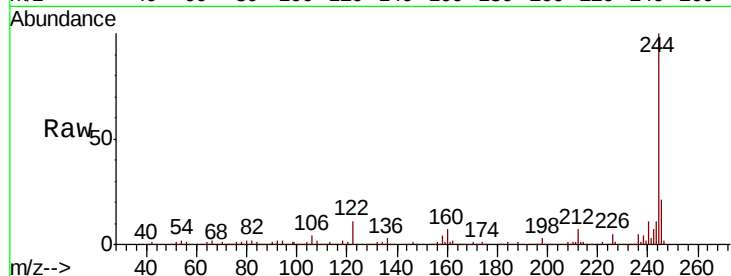
Tot Ion:244 Resp: 1919165

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

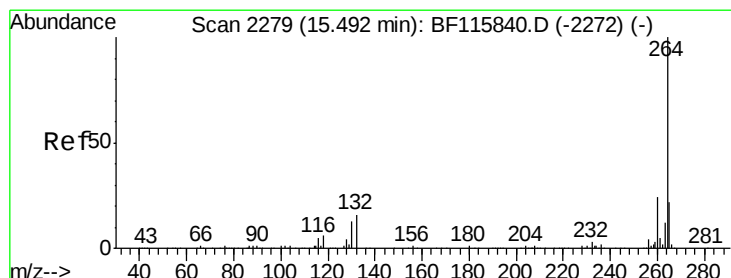
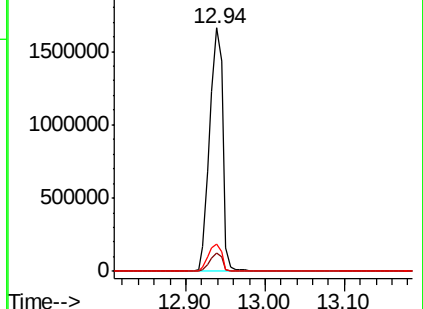
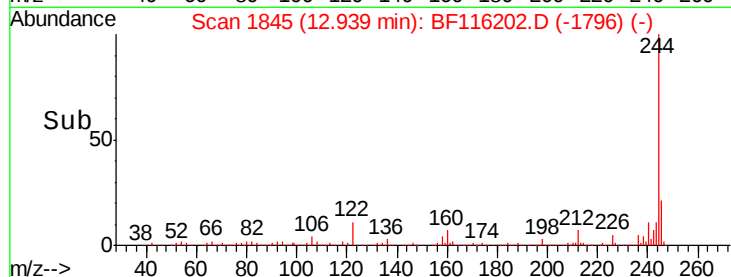
122 11.3 9.0 13.4



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: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF116202.D

Acq: 12 Aug 2019 21:26

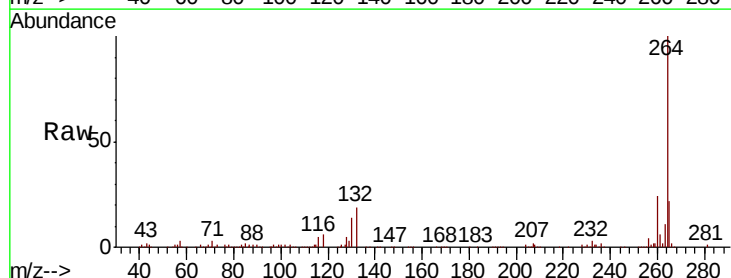
Tgt Ion:264 Resp: 374557

Ion Ratio Lower Upper

264 100

260 24.3 19.7 29.5

265 22.1 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

