

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116197.D
 Acq On : 12 Aug 2019 19:10
 Operator : HP/JU
 Sample : K4090-06
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-A

Quant Time: Aug 13 01:06:25 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

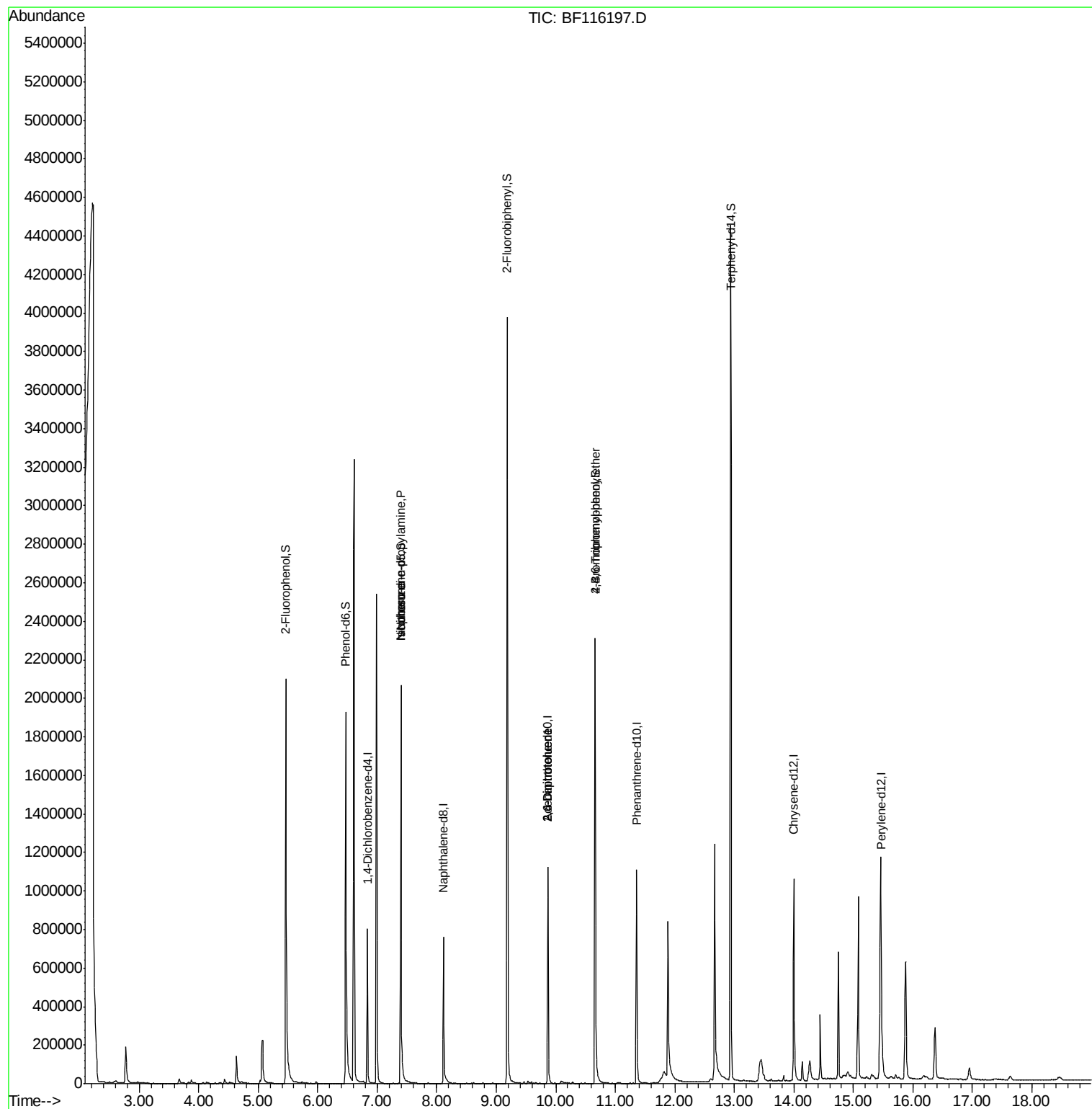
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	115195	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	446658	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	246450	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	471036	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	392899	20.00	ng	-0.01
87) Perylene-d12	15.47	264	355667	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	795694	115.63	ng	0.00
7) Phenol-d6	6.47	99	926128	106.67	ng	-0.02
23) Nitrobenzene-d5	7.40	82	770340	99.55	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	361831	151.43	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1350192	102.62	ng	-0.02
79) Terphenyl-d14	12.94	244	1735619	93.08	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	100424	18.666	ng	# 80
25) Isophorone	7.40	82	770382	52.066	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	31577	8.659	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	31577	6.504	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	21728	4.309	ng	# 1

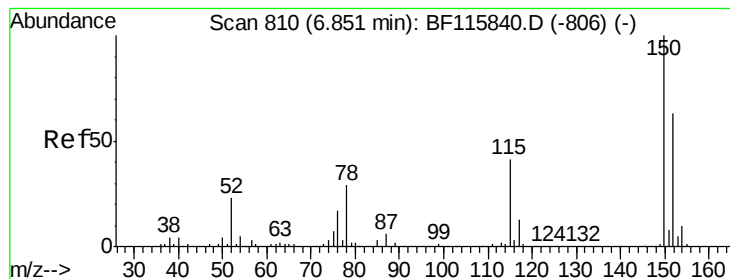
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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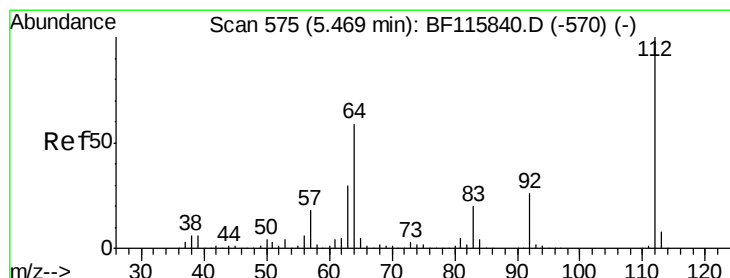
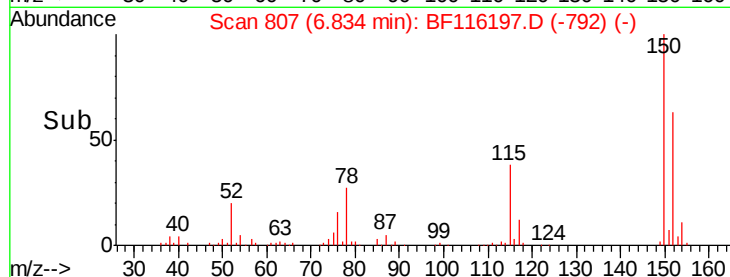
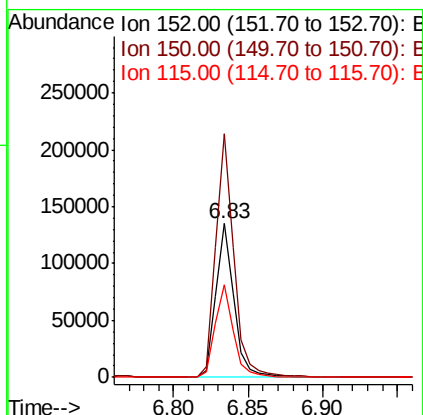
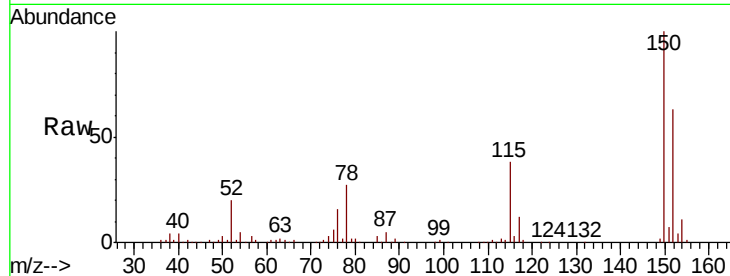


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116197.D
 Acq: 12 Aug 2019 19:10

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-A

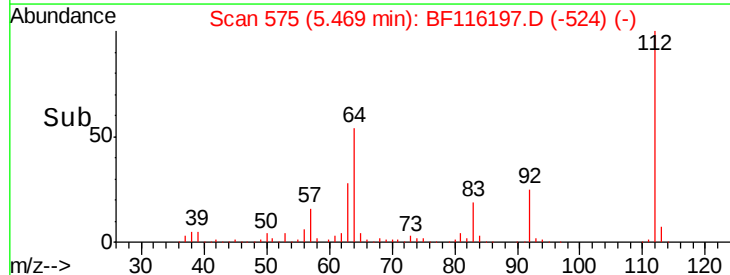
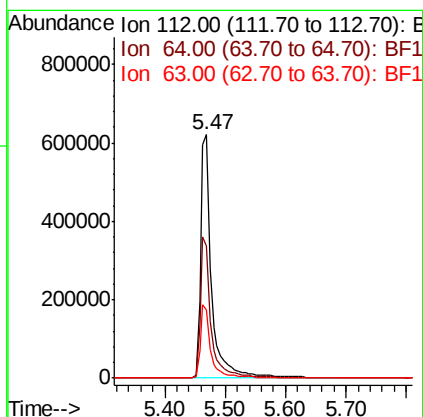
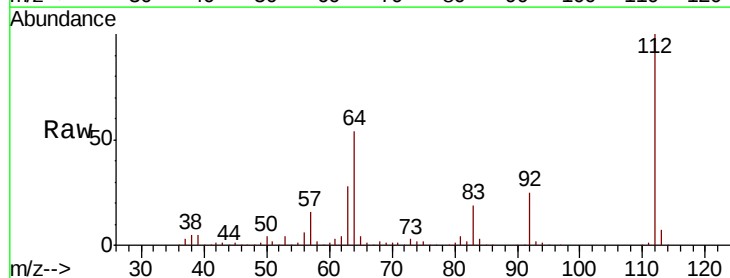
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.2	189.2
115	60.0	49.9	74.9

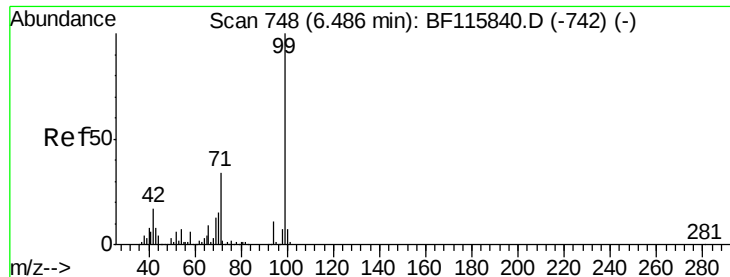


#5

2-Fluorophenol
 Concen: 115.634 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: BF116197.D
 Acq: 12 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	45.4	68.2
63	28.0	23.7	35.5





#7

Phenol-d6

Concen: 106.675 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116197.D

Acq: 12 Aug 2019 19:10

Instrument :

BNA_F

ClientSampleId :

OR-03-080919-A

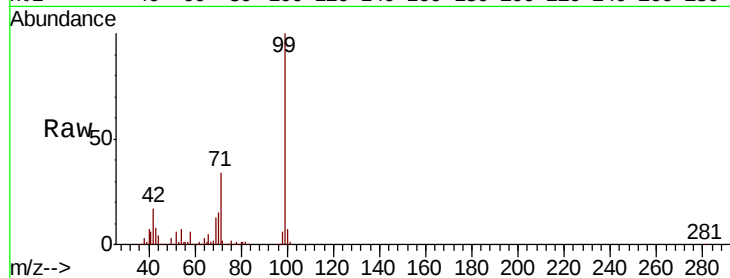
Tot Ion: 99 Resp: 926128

Ion Ratio Lower Upper

99 100

42 17.2 13.8 20.8

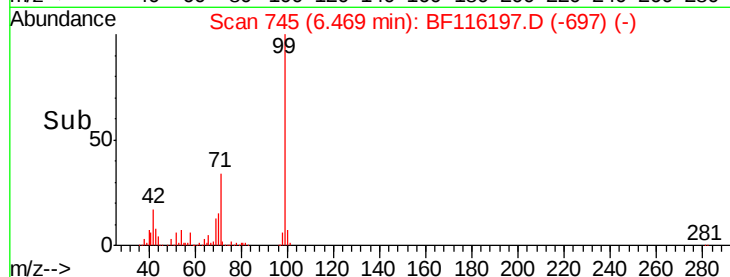
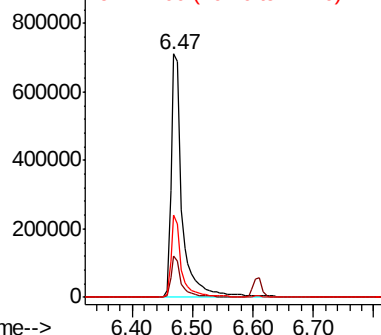
71 34.0 27.3 40.9



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: 18.666 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116197.D

Acq: 12 Aug 2019 19:10

Tgt Ion: 70 Resp: 100424

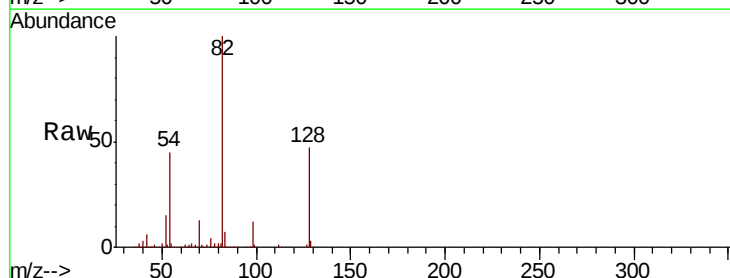
Ion Ratio Lower Upper

70 100

42 43.5 40.9 61.3

101 0.0 7.9 11.9#

130 2.3 16.9 25.3#

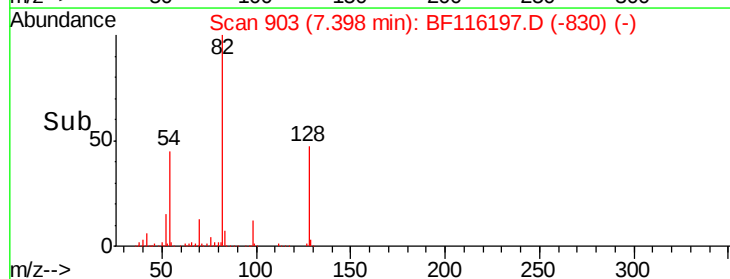
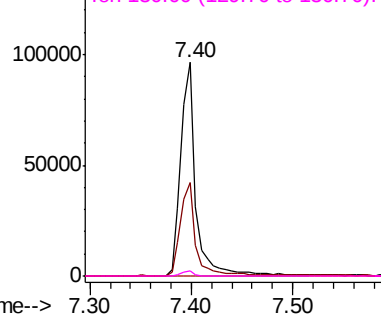


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF116197.D

Acq: 12 Aug 2019 19:10

Instrument :

BNA_F

ClientSampleId :

OR-03-080919-A

Tot Ion:136 Resp: 446658

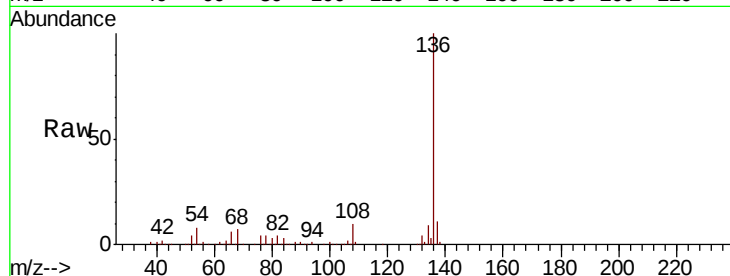
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 7.6 5.8 8.6

68 6.6 5.2 7.8

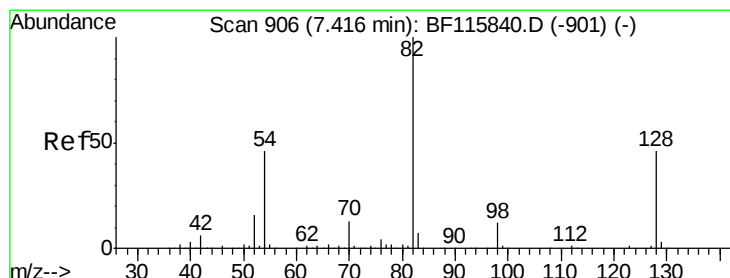
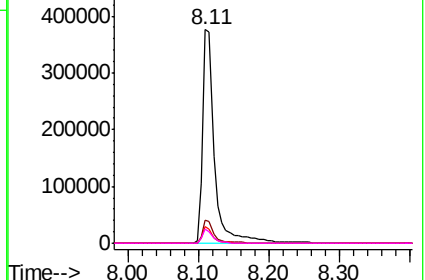
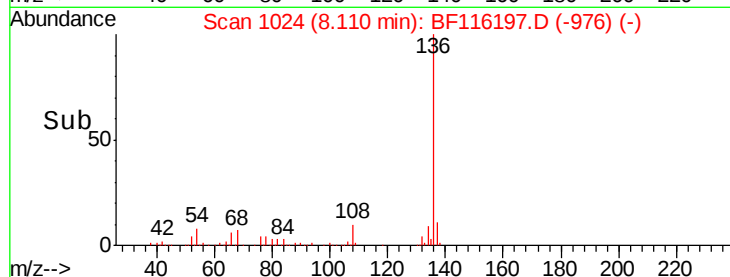


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.554 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116197.D

Acq: 12 Aug 2019 19:10

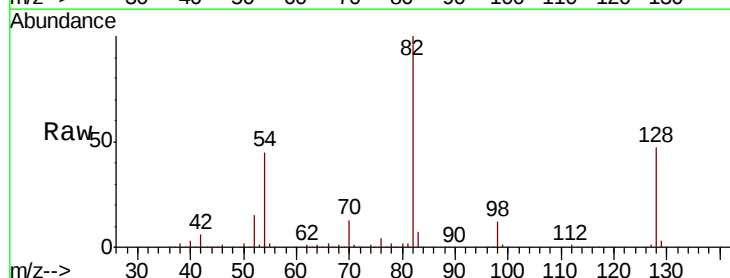
Tgt Ion: 82 Resp: 770340

Ion Ratio Lower Upper

82 100

128 46.9 36.5 54.7

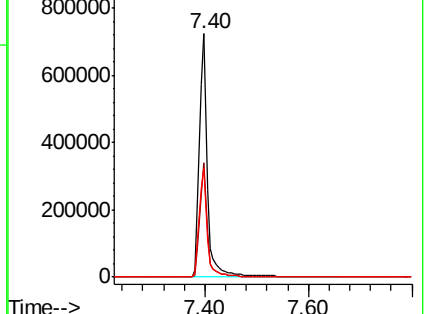
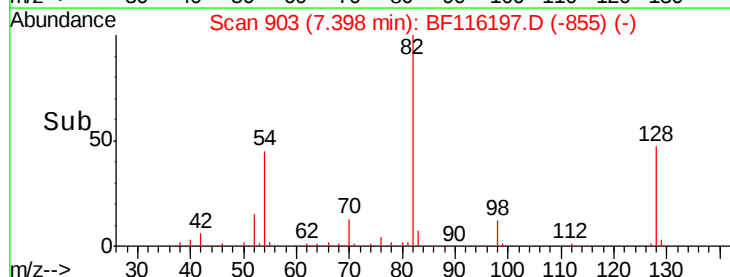
54 44.6 36.0 54.0



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: 52.066 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116197.D

Acq: 12 Aug 2019 19:10

Instrument :

BNA_F

ClientSampleId :

OR-03-080919-A

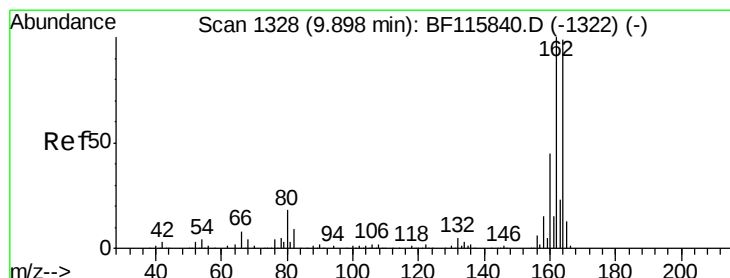
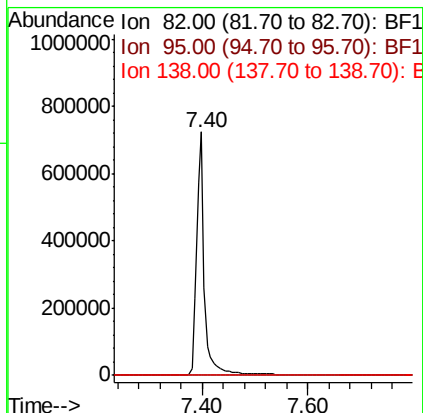
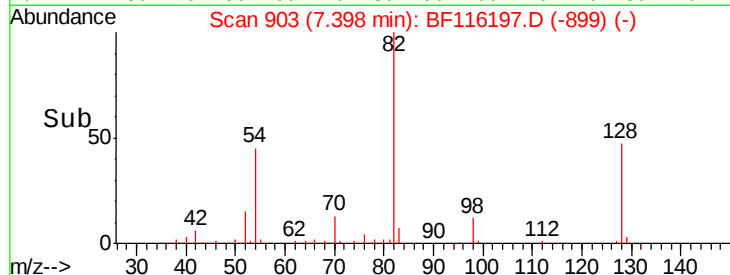
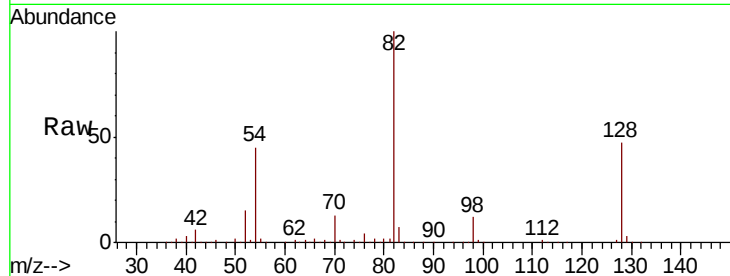
Tot Ion: 82 Resp: 770382

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 14.5 21.7#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116197.D

Acq: 12 Aug 2019 19:10

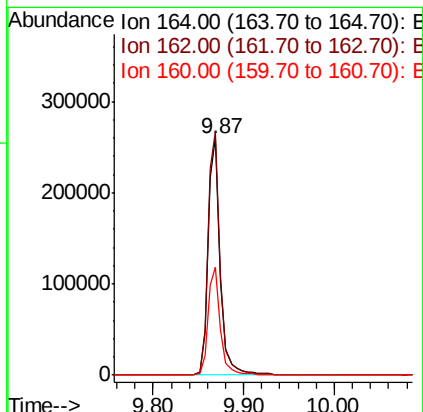
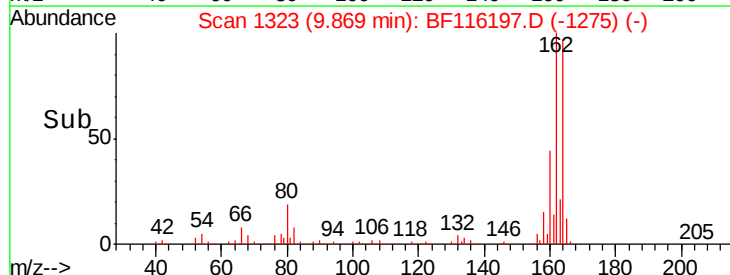
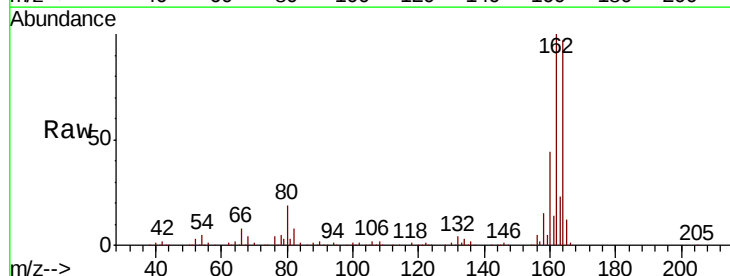
Tgt Ion: 164 Resp: 246450

Ion Ratio Lower Upper

164 100

162 102.8 82.6 124.0

160 45.5 37.6 56.4

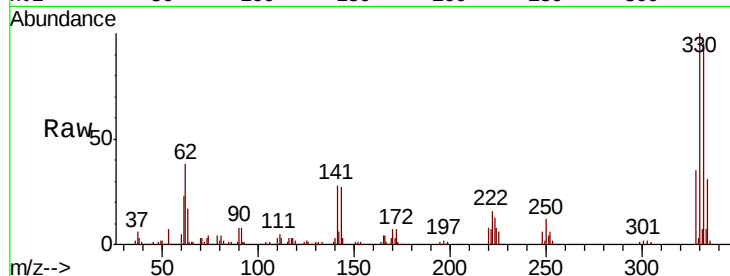




#42
 2,4,6-Tribromophenol
 Concen: 151.432 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116197.D
 Acq: 12 Aug 2019 19:10

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.8	115.2
141	33.7	26.3	39.5

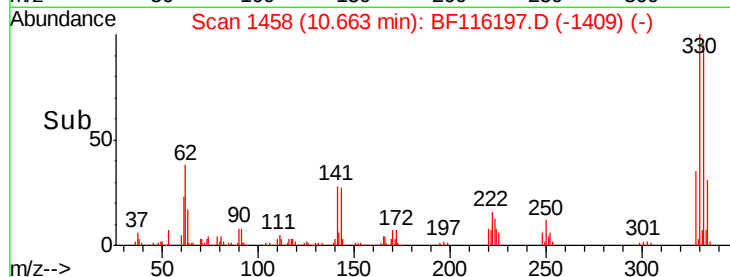
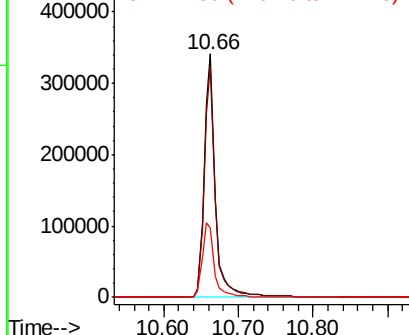


Abundance

Ion 329.80 (329.50 to 330.50): E

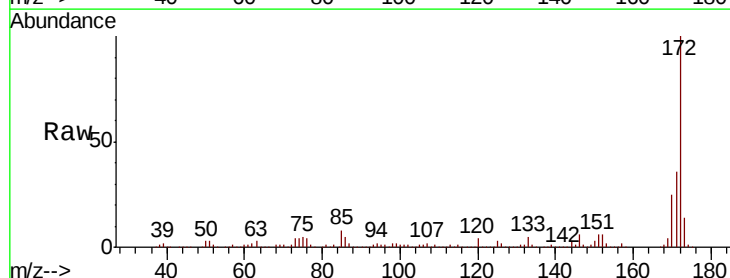
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 102.618 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116197.D
 Acq: 12 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.8	20.1	30.1

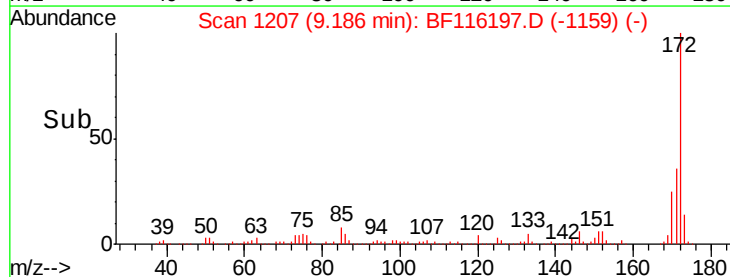
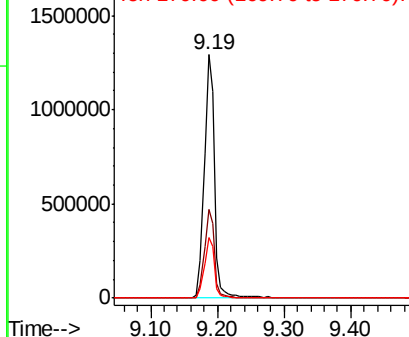


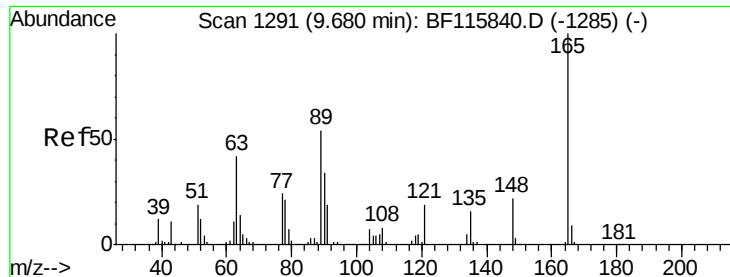
Abundance

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

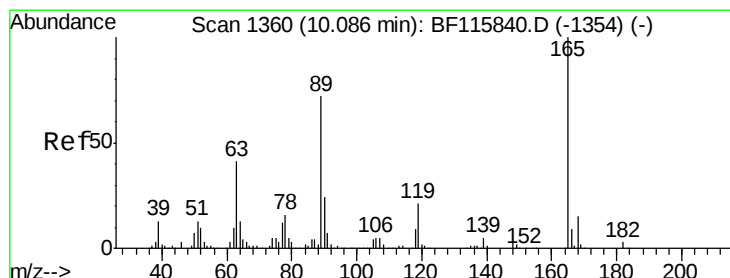
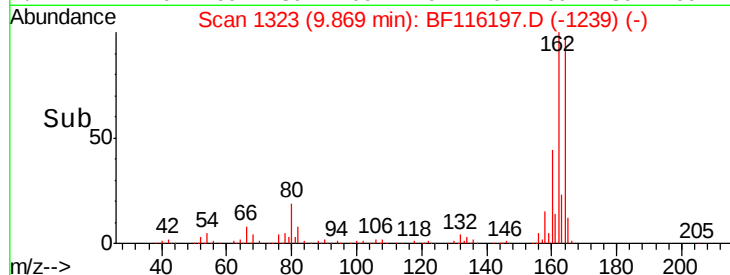
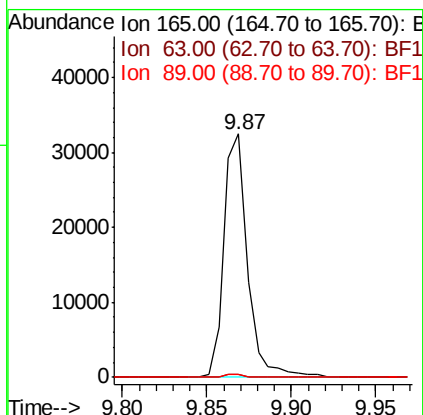
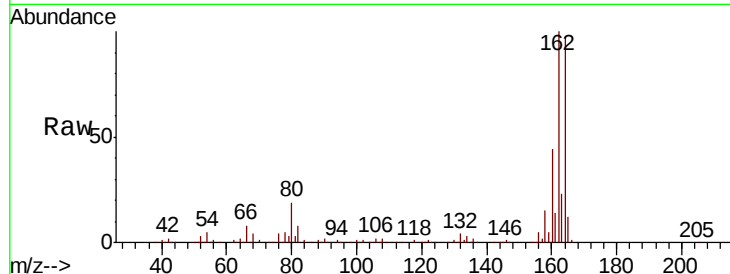




#51
 2,6-Dinitrotoluene
 Concen: 8.659 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116197.D
 Acq: 12 Aug 2019 19:10

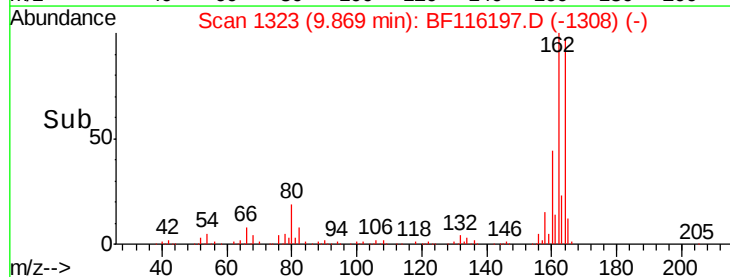
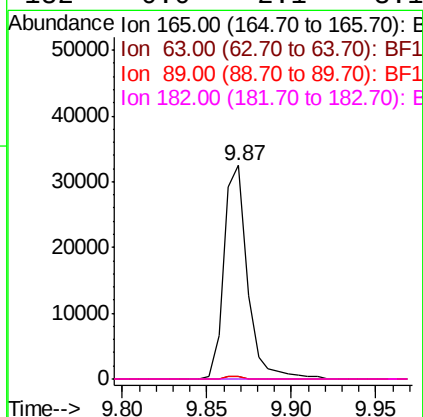
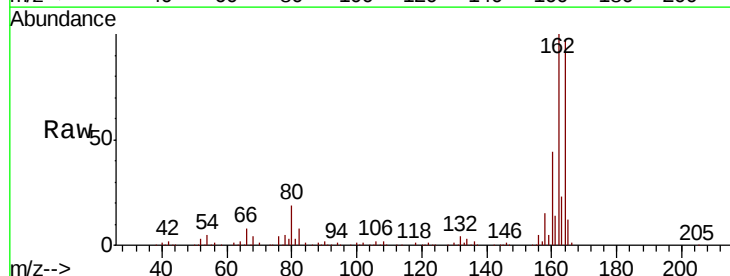
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Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	38.2	57.2#
89	1.1	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.504 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116197.D
 Acq: 12 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	39.6	59.4#
89	1.1	62.2	93.2#
182	0.0	2.1	3.1#

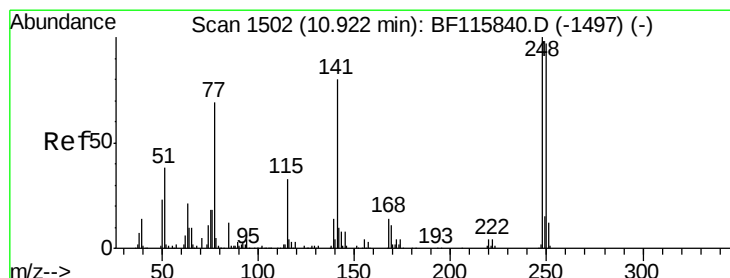
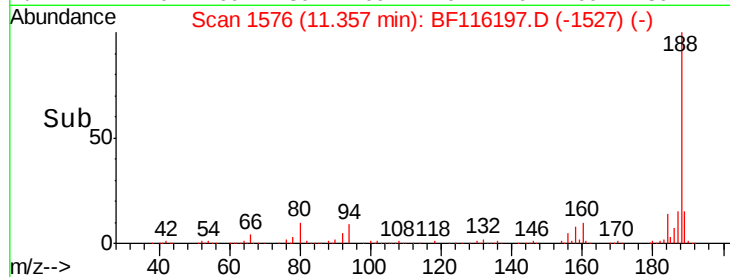
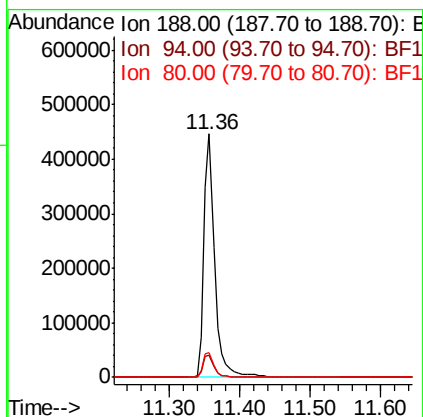
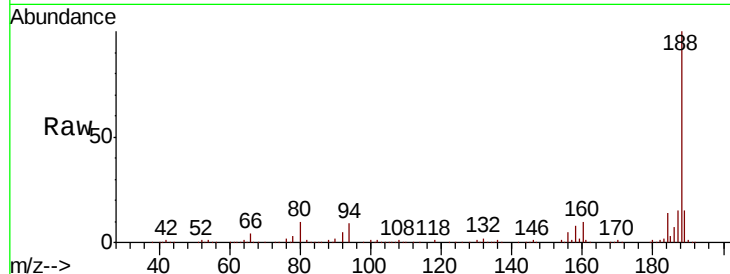




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116197.D
 Acq: 12 Aug 2019 19:10

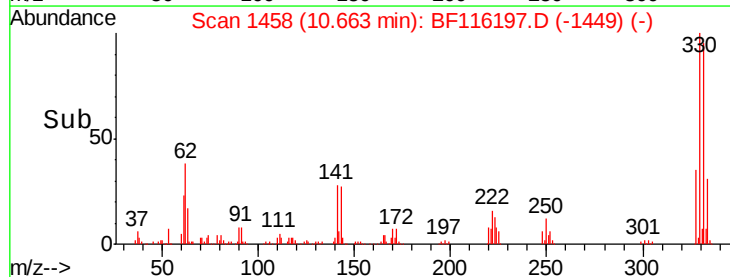
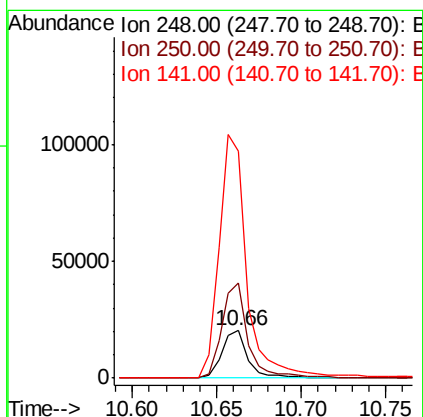
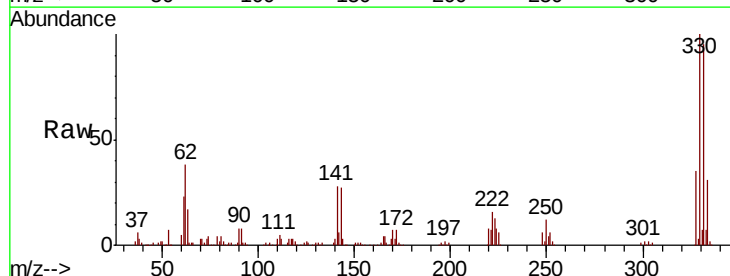
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-A

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.1	12.1
80	10.0	8.7	13.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.309 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116197.D
 Acq: 12 Aug 2019 19:10

Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.0	77.4	116.2#
141	475.3	56.8	85.2#

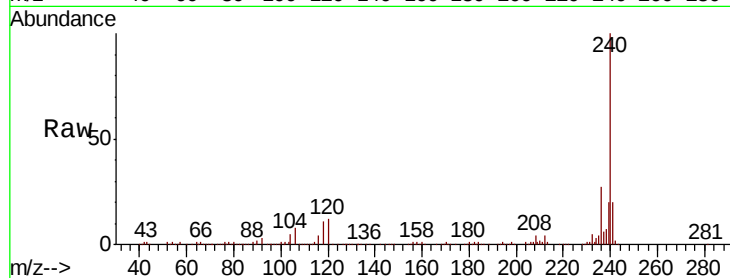




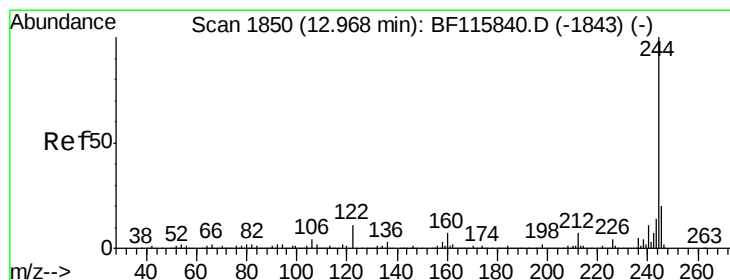
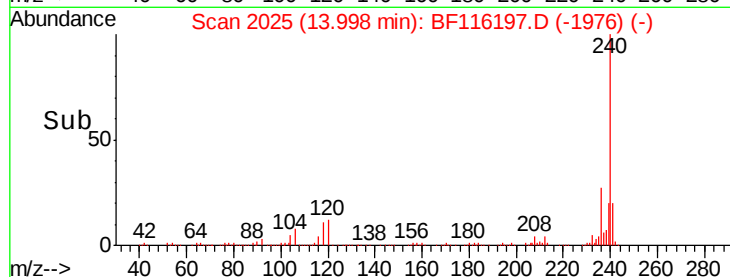
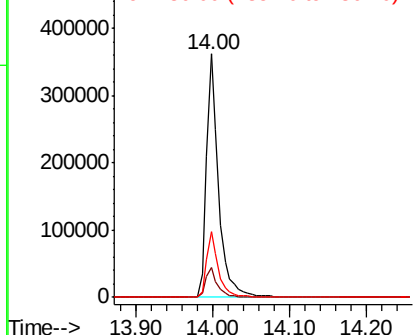
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116197.D
Acq: 12 Aug 2019 19:10

Instrument :
BNA_F
ClientSampleId :
OR-03-080919-A

Tot Ion:240 Resp: 392899
Ion Ratio Lower Upper
240 100
120 12.0 10.7 16.1
236 27.1 22.2 33.2

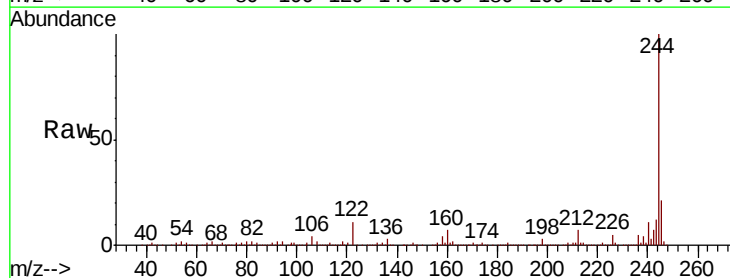


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

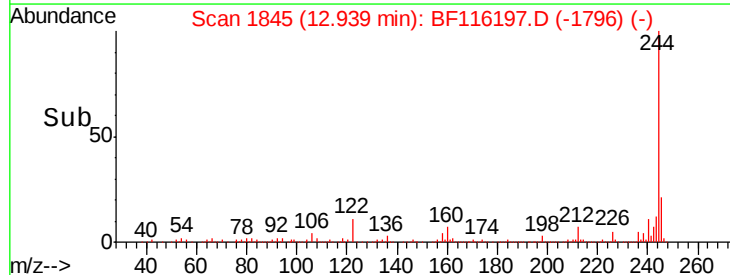
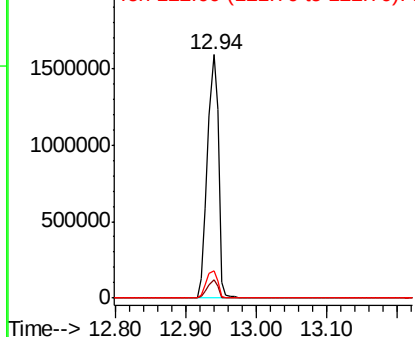


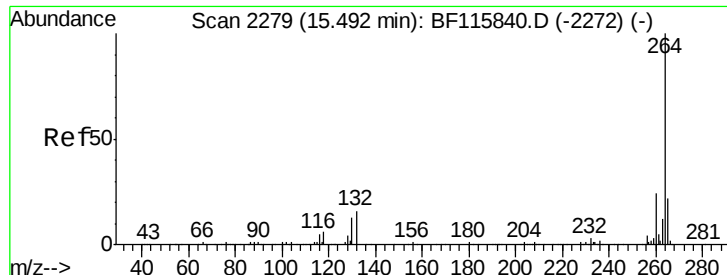
#79
Terphenyl-d14
Concen: 93.083 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116197.D
Acq: 12 Aug 2019 19:10

Tgt Ion:244 Resp: 1735619
Ion Ratio Lower Upper
244 100
212 7.3 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

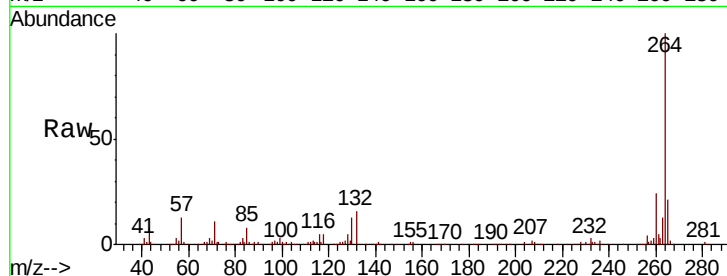




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116197.D
 Acq: 12 Aug 2019 19:10

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080919-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.7	29.5
265	21.1	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

