

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116148.D
 Acq On : 10 Aug 2019 14:03
 Operator : HP/JU
 Sample : K4245-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 00:55:24 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

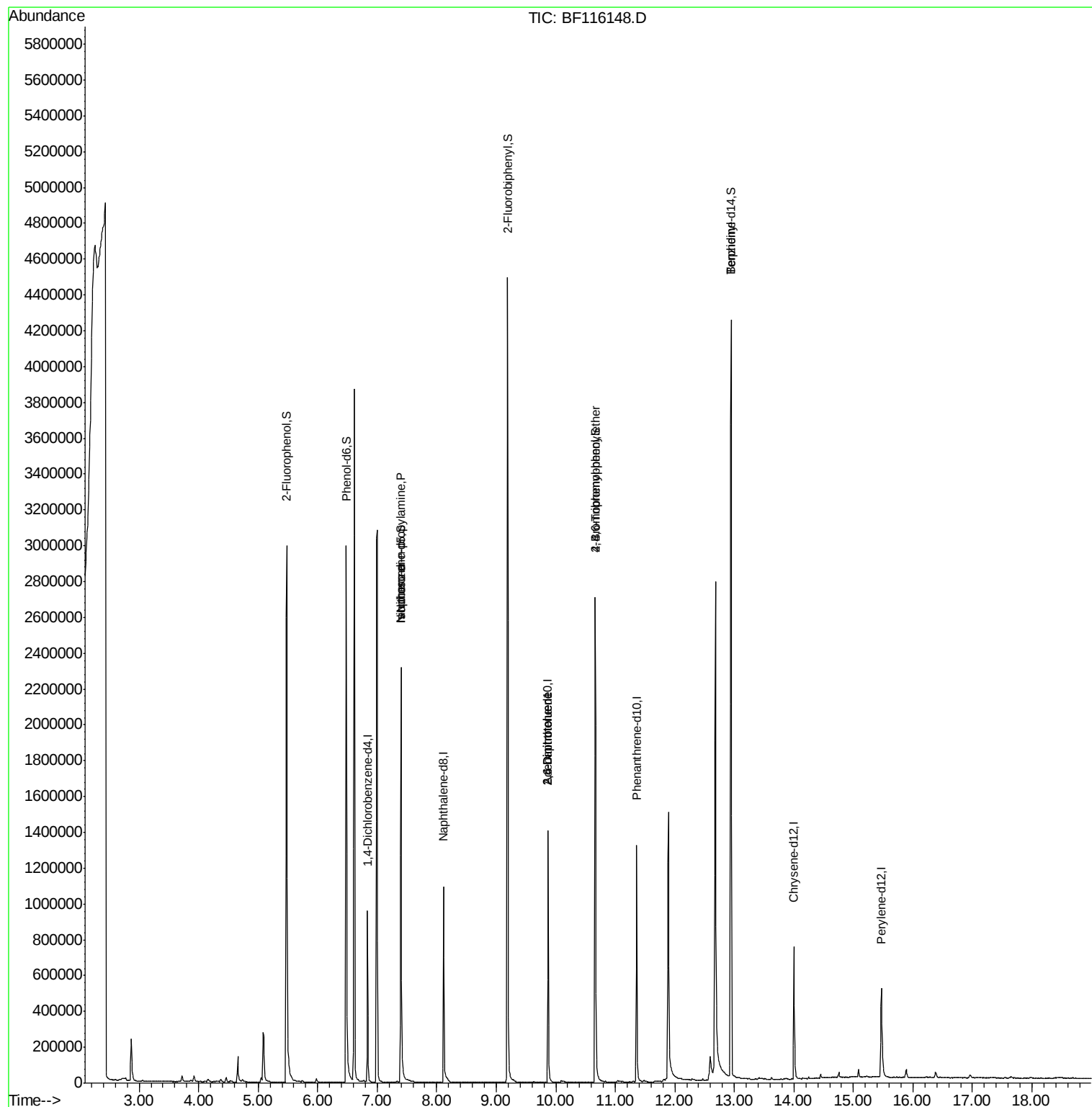
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	144195	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	562136	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	295326	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	500072	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	287799	20.00	ng	0.00
87) Perylene-d12	15.47	264	305318	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1014303	117.76	ng	0.01
7) Phenol-d6	6.48	99	1183408	108.89	ng	0.00
23) Nitrobenzene-d5	7.40	82	944595	97.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	398917	139.32	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1635303	103.72	ng	-0.01
79) Terphenyl-d14	12.94	244	1575072	115.32	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	125628	18.655	ng	# 78
25) Isophorone	7.40	82	944589	50.726	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	38797	8.878	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	38798	6.668	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	24134	4.508	ng	# 1
77) Benzidine	12.94	184	21144	2.175	ng	# 93

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

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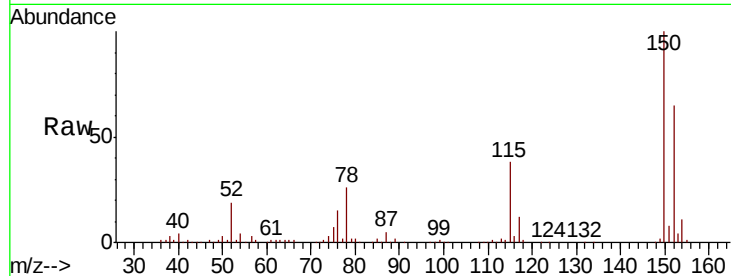


#1

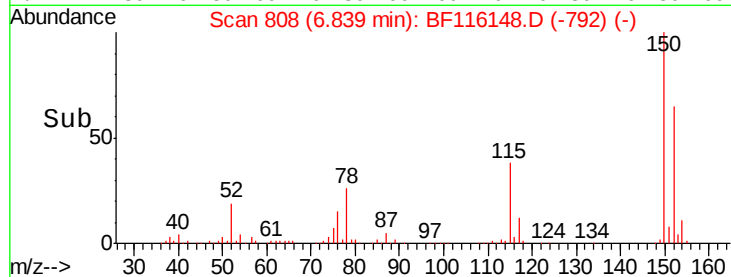
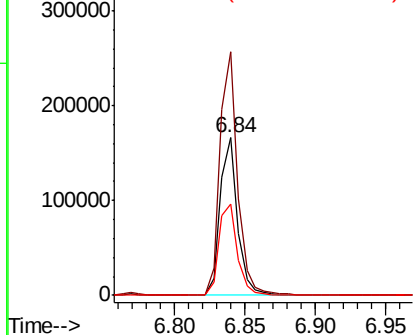
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116148.D
Acq: 10 Aug 2019 14:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.2	189.2
115	58.2	49.9	74.9



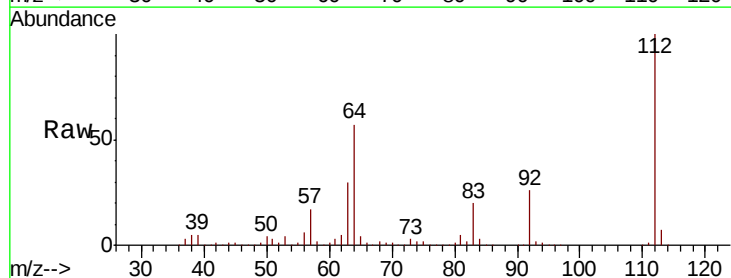
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



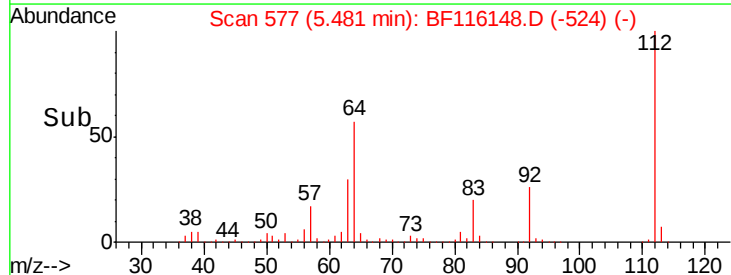
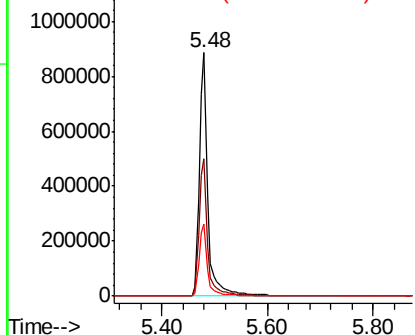
#5

2-Fluorophenol
Concen: 117.758 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF116148.D
Acq: 10 Aug 2019 14:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.4	68.2
63	29.5	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: 108.895 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116148.D

Acq: 10 Aug 2019 14:03

Instrument :

BNA_F

ClientSampled :

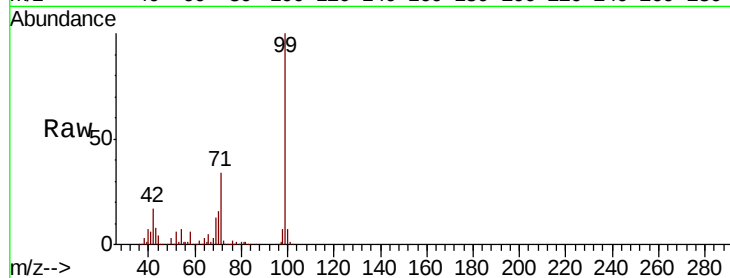
Tot Ion: 99 Resp: 1183408

Ion Ratio Lower Upper

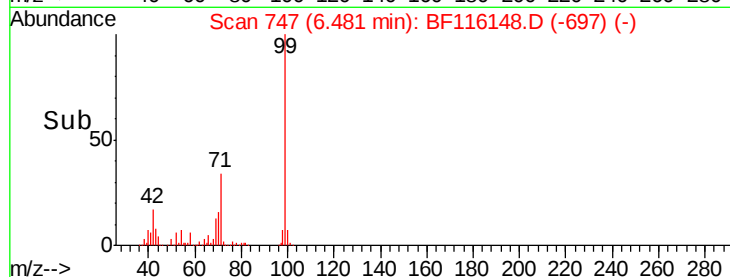
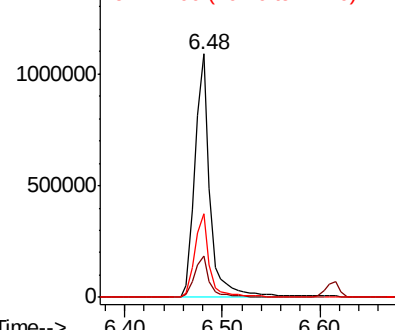
99 100

42 17.0 13.8 20.8

71 34.4 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: 18.655 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116148.D

Acq: 10 Aug 2019 14:03

Tgt Ion: 70 Resp: 125628

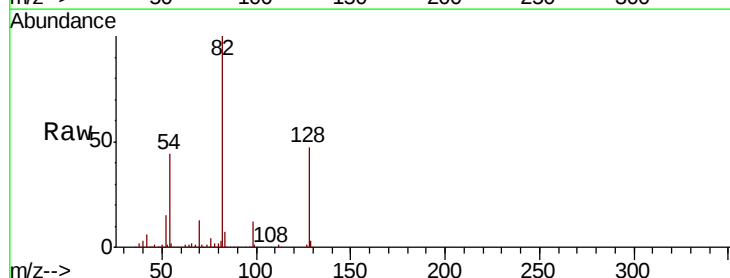
Ion Ratio Lower Upper

70 100

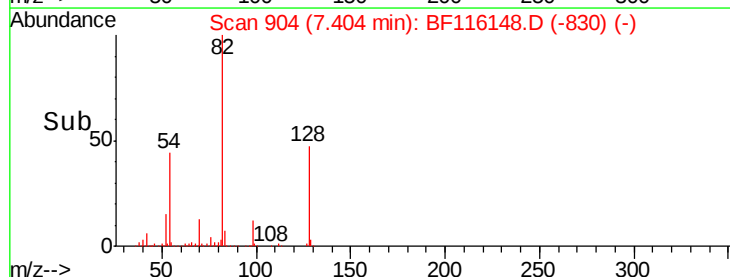
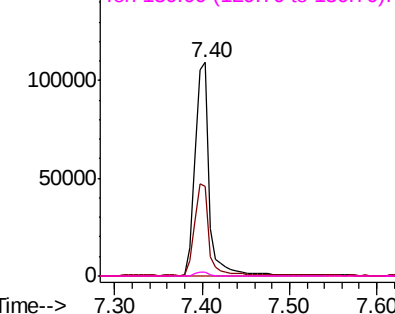
42 42.2 40.9 61.3

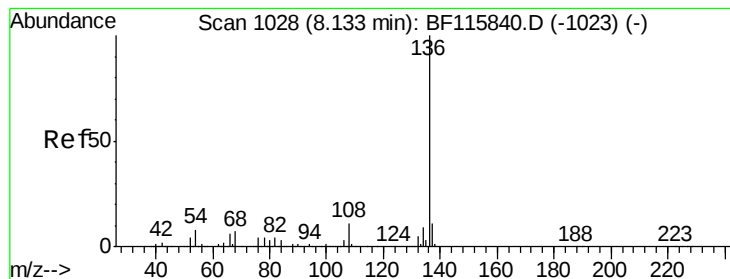
101 0.0 7.9 11.9#

130 2.1 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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116148.D

Acq: 10 Aug 2019 14:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 562136

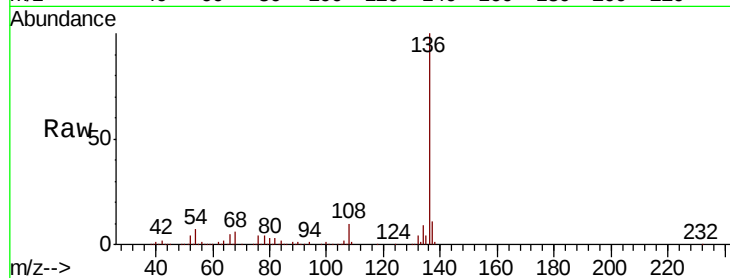
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 6.9 5.8 8.6

68 6.1 5.2 7.8

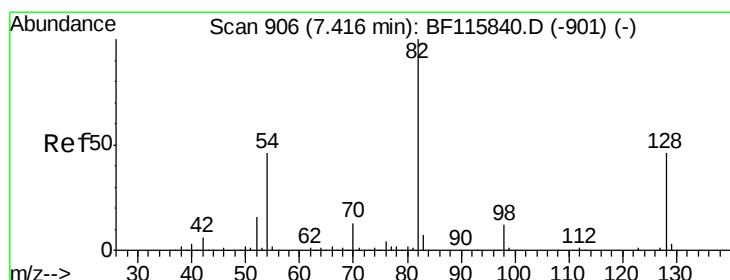
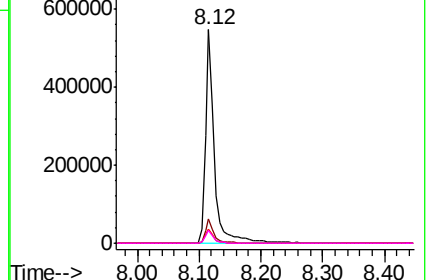
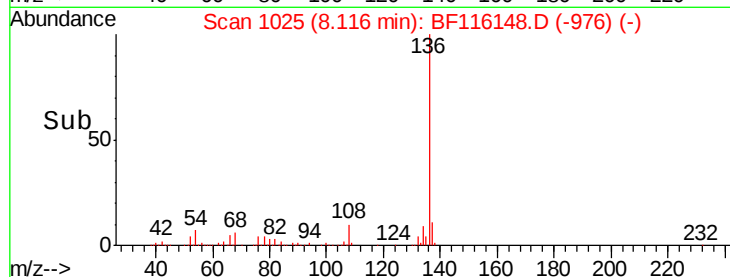


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.996 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116148.D

Acq: 10 Aug 2019 14:03

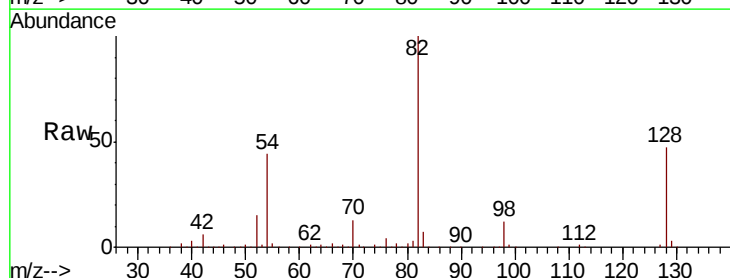
Tgt Ion: 82 Resp: 944595

Ion Ratio Lower Upper

82 100

128 46.8 36.5 54.7

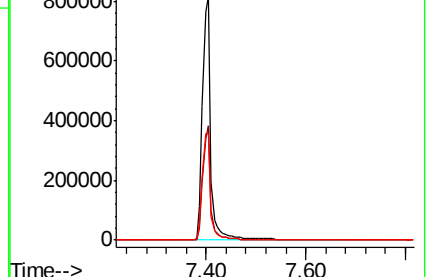
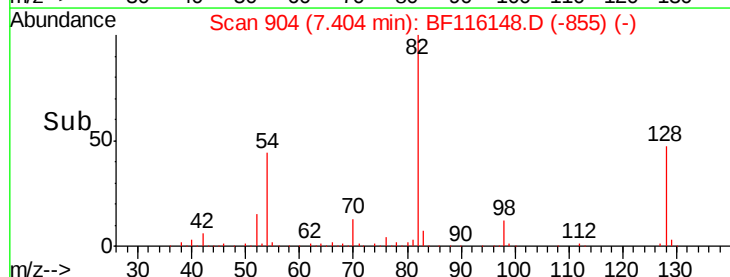
54 43.8 36.0 54.0



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: 50.726 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116148.D

Acq: 10 Aug 2019 14:03

Instrument :

BNA_F

ClientSampleId :

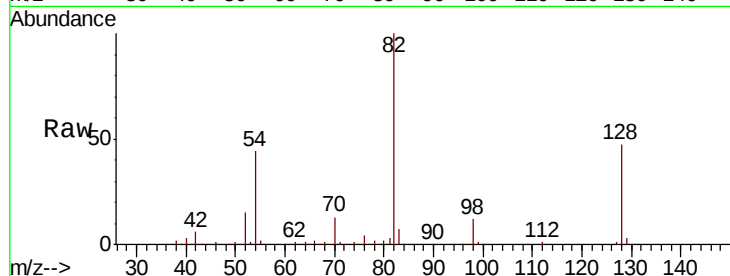
Tot Ion: 82 Resp: 944589

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

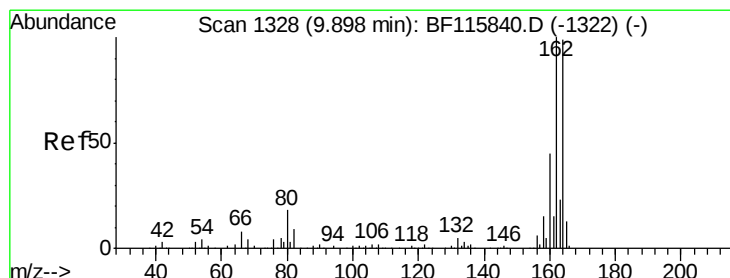
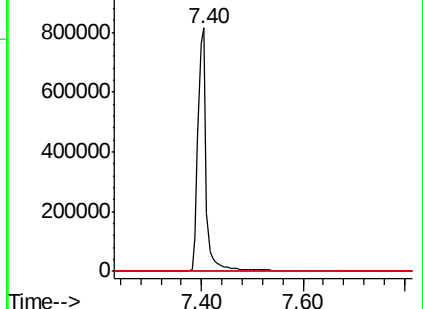
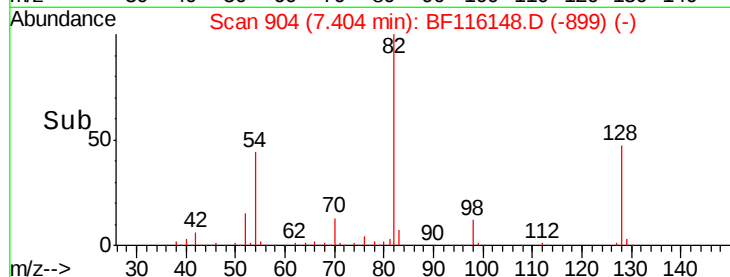
138 0.0 14.5 21.7#



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: BF116148.D

Acq: 10 Aug 2019 14:03

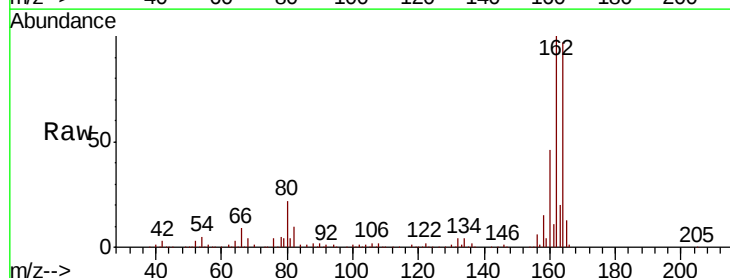
Tgt Ion:164 Resp: 295326

Ion Ratio Lower Upper

164 100

162 103.2 82.6 124.0

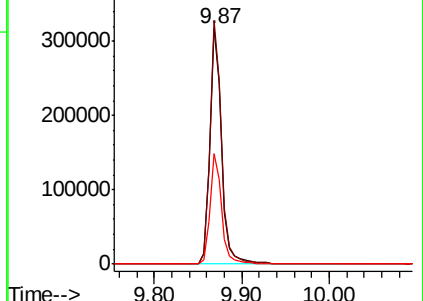
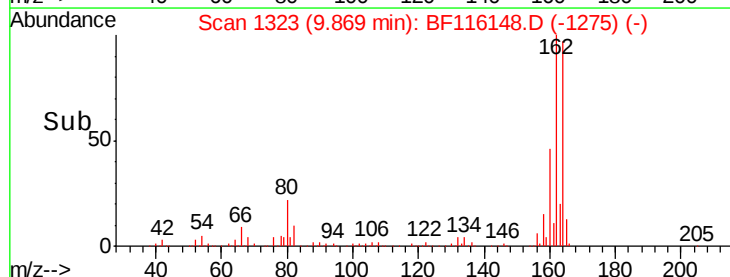
160 47.0 37.6 56.4



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

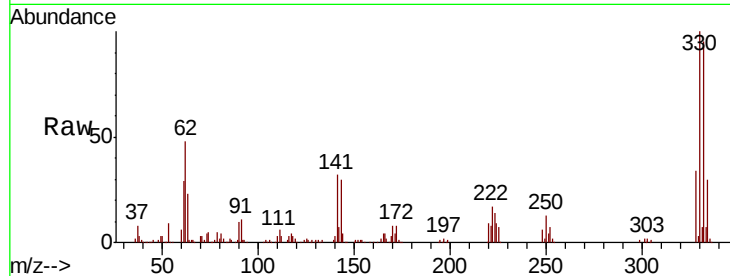




#42
 2,4,6-Tribromophenol
 Concen: 139.322 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116148.D
 Acq: 10 Aug 2019 14:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.8	115.2
141	32.7	26.3	39.5

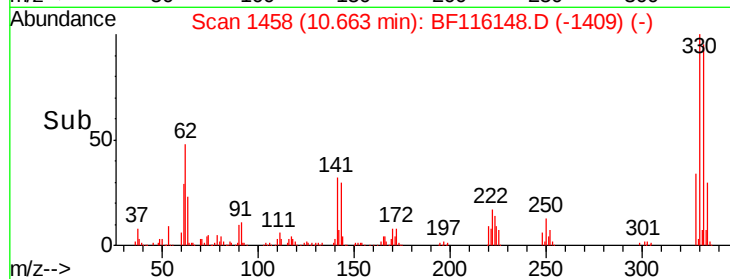
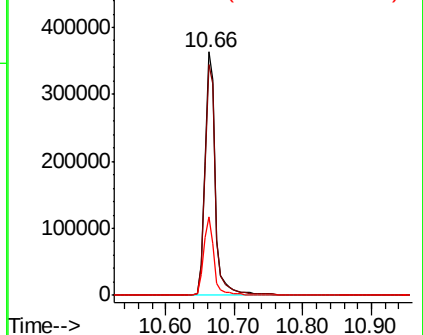


Abundance

Ion 329.80 (329.50 to 330.50): E

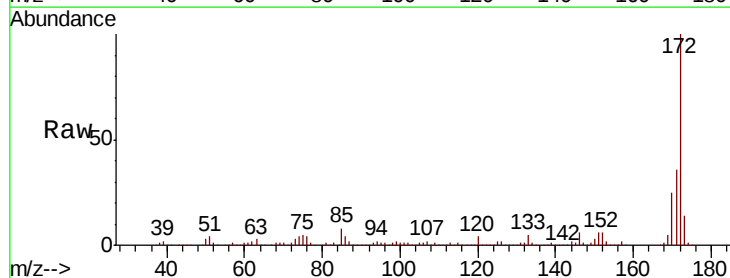
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 103.717 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116148.D
 Acq: 10 Aug 2019 14:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	25.2	20.1	30.1

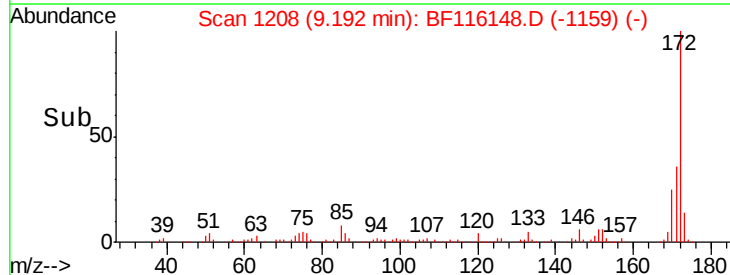
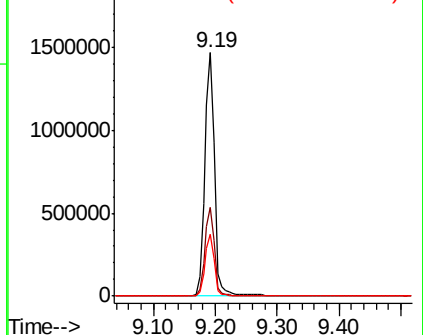


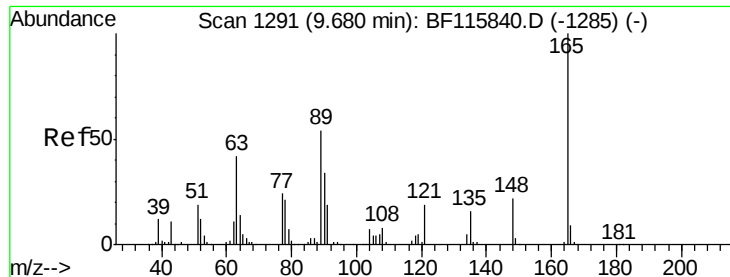
Abundance

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

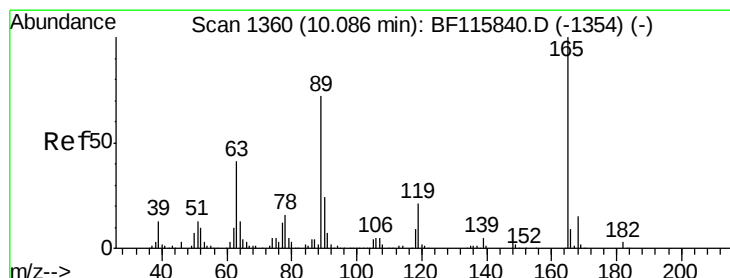
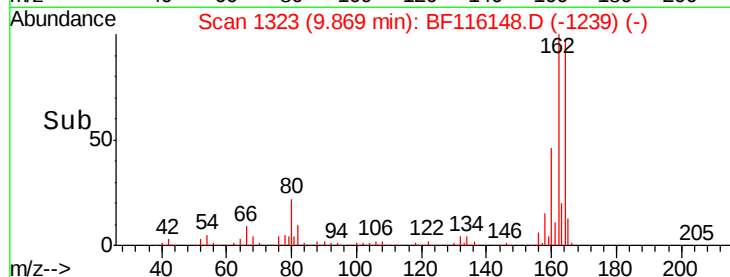
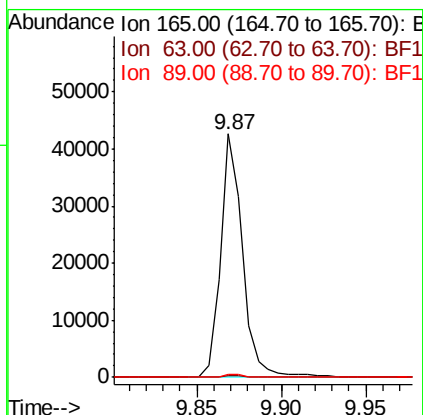
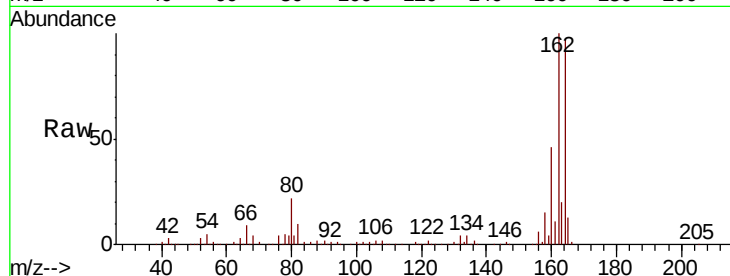




#51
 2,6-Dinitrotoluene
 Concen: 8.878 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116148.D
 Acq: 10 Aug 2019 14:03

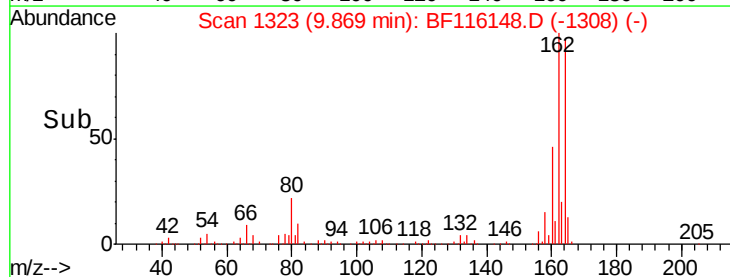
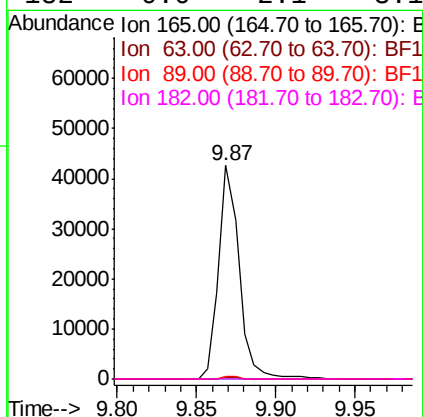
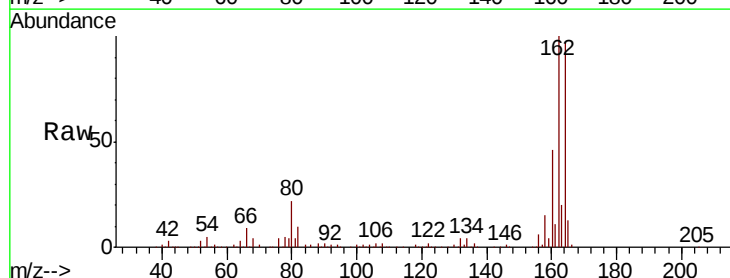
Instrument :
 BNA_F
 ClientSampled :

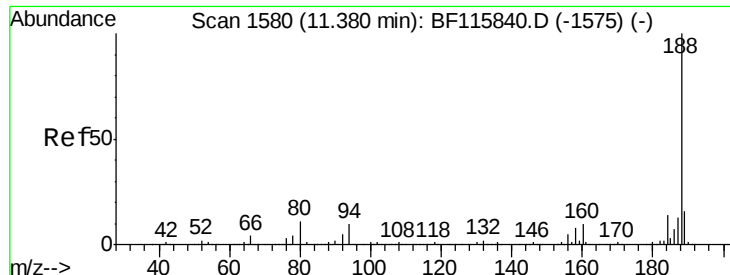
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	38.2	57.2#
89	1.4	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.668 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116148.D
 Acq: 10 Aug 2019 14:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	39.6	59.4#
89	1.4	62.2	93.2#
182	0.0	2.1	3.1#

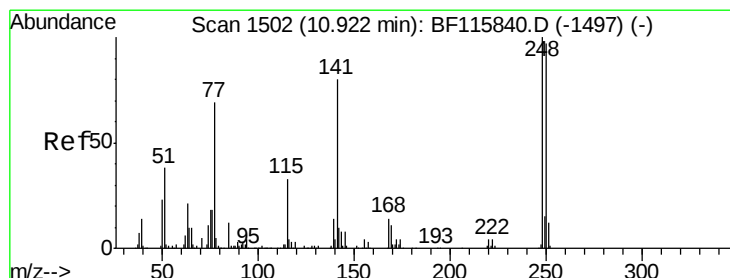
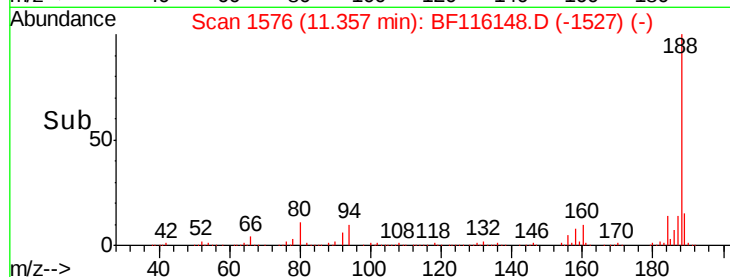
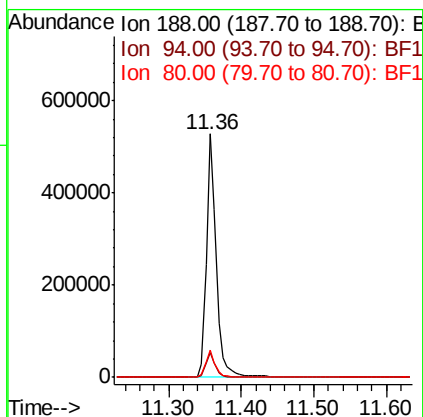
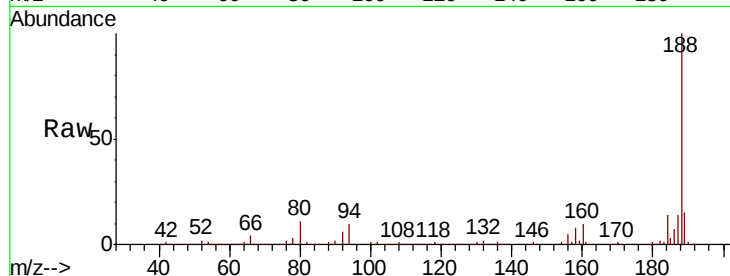




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116148.D
 Acq: 10 Aug 2019 14:03

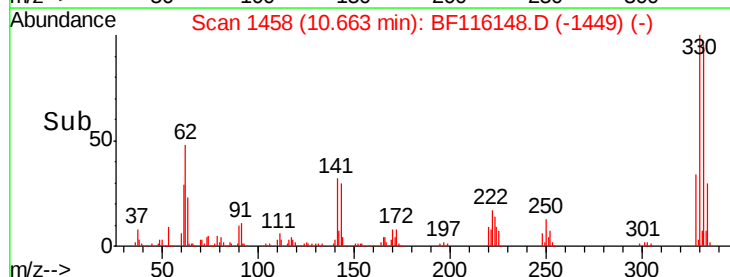
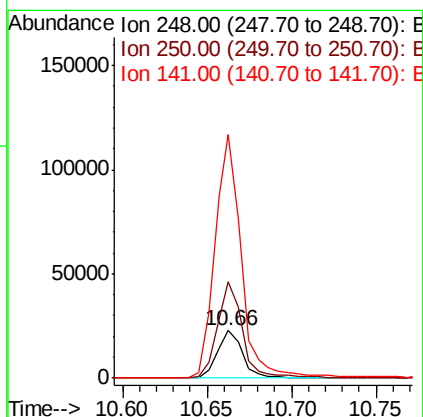
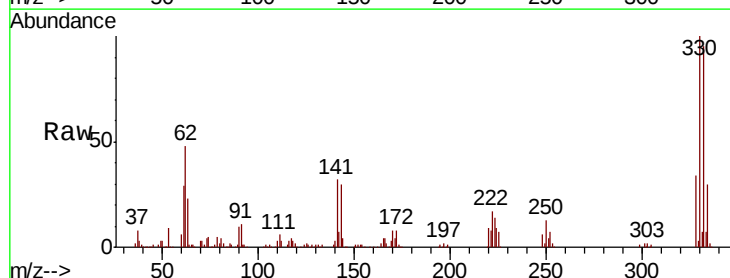
Instrument :
 BNA_F
 ClientSampleId :

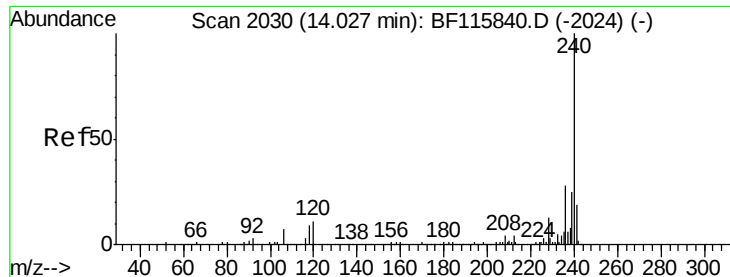
Tot Ion:188 Resp: 500072
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.1 12.1
 80 11.1 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.508 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116148.D
 Acq: 10 Aug 2019 14:03

Tgt Ion:248 Resp: 24134
 Ion Ratio Lower Upper
 248 100
 250 201.4 77.4 116.2#
 141 511.1 56.8 85.2#

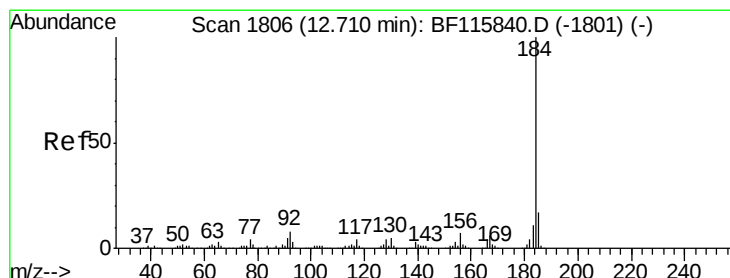
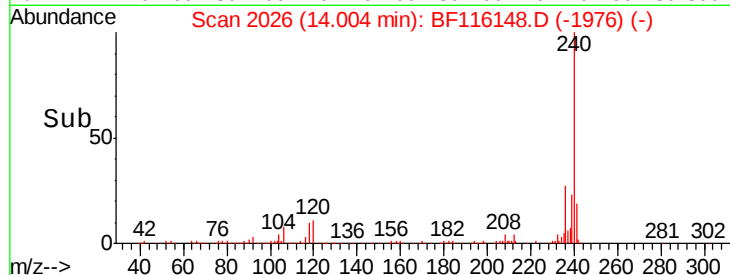
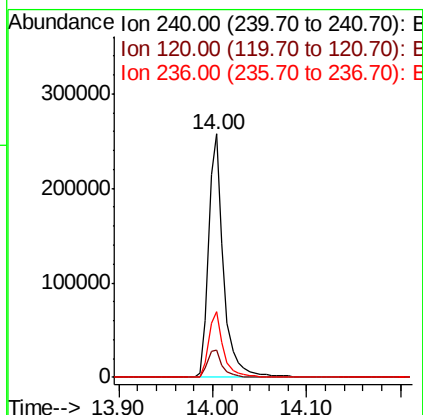
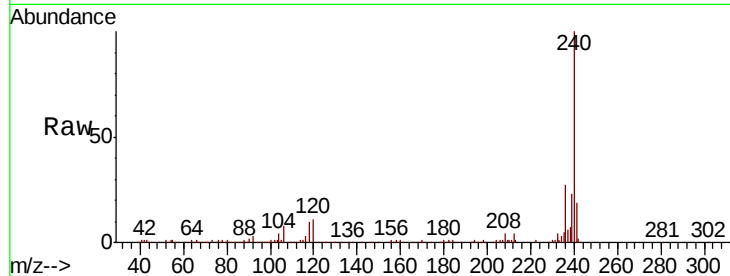




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116148.D
Acq: 10 Aug 2019 14:03

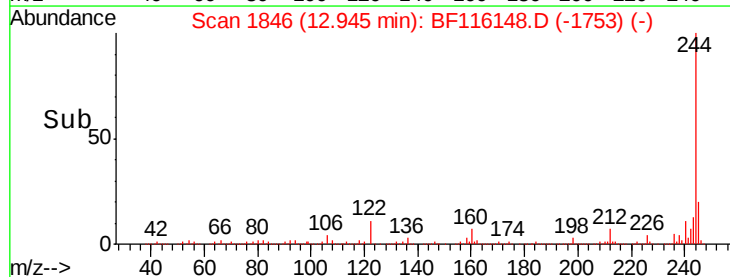
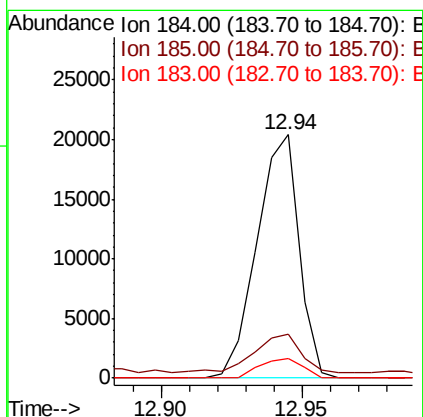
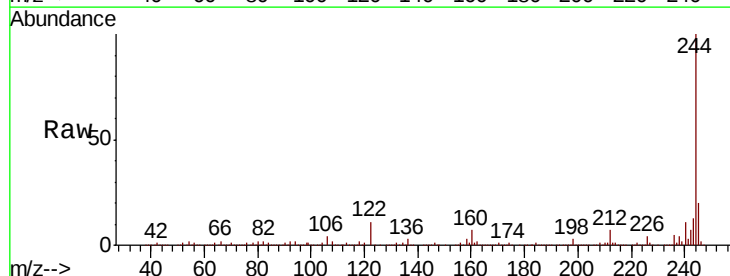
Instrument :
BNA_F
ClientSampleId :

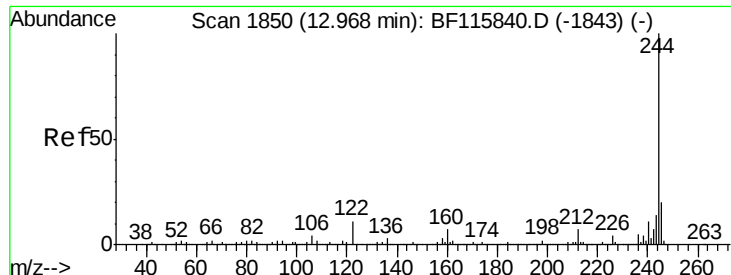
Tot Ion:240 Resp: 287799
Ion Ratio Lower Upper
240 100
120 11.2 10.7 16.1
236 27.2 22.2 33.2



#77
Benzidine
Concen: 2.175 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.25 min
Lab File: BF116148.D
Acq: 10 Aug 2019 14:03

Tgt Ion:184 Resp: 21144
Ion Ratio Lower Upper
184 100
185 18.3 12.8 19.2
183 8.2 9.4 14.0#

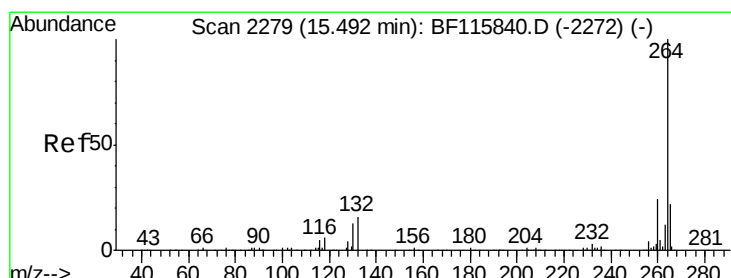
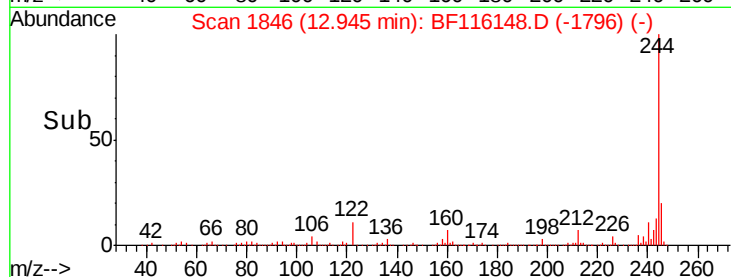
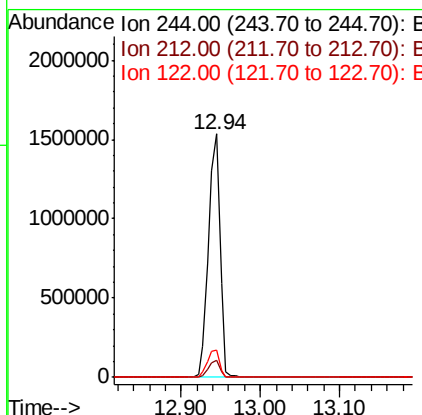
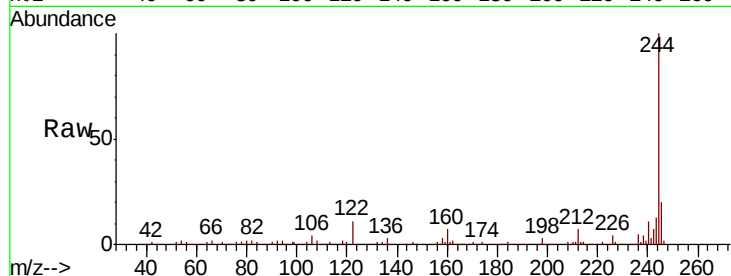




#79
 Terphenyl-d14
 Concen: 115.321 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116148.D
 Acq: 10 Aug 2019 14:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1575072
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 11.3 9.0 13.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116148.D
 Acq: 10 Aug 2019 14:03

Tgt Ion:264 Resp: 305318
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.7 29.5
 265 21.6 17.4 26.0

