

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116136.D
 Acq On : 10 Aug 2019 2:09
 Operator : HP/JU
 Sample : K4178-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 06:52:53 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

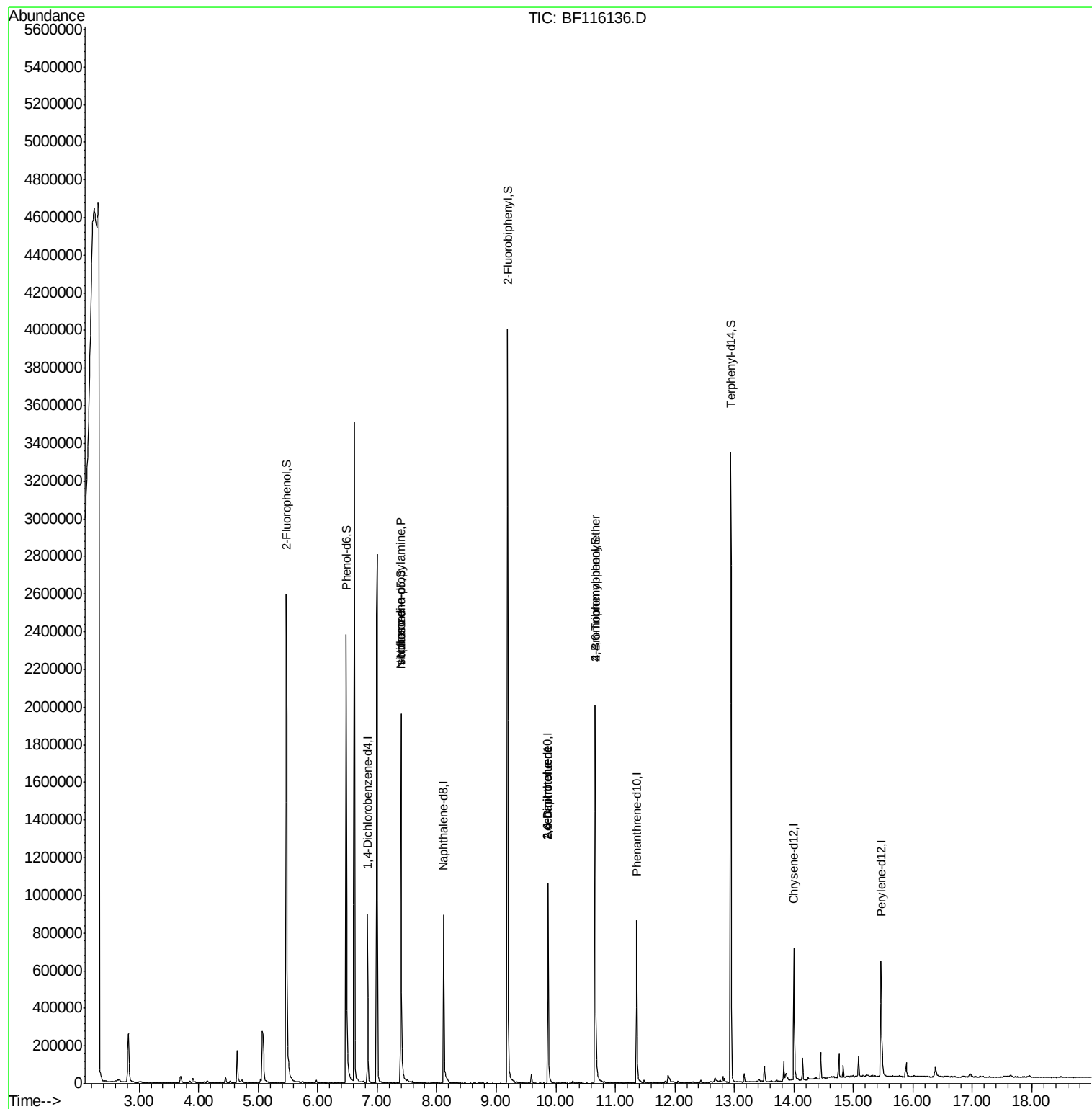
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	130469	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	487684	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	236478	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	362685	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	285576	20.00	ng	-0.01
87) Perylene-d12	15.47	264	319057	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	857266	110.00	ng	0.00
7) Phenol-d6	6.48	99	977857	99.45	ng	0.00
23) Nitrobenzene-d5	7.40	82	796683	94.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	282551	123.24	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1340249	106.16	ng	-0.01
79) Terphenyl-d14	12.94	244	1194508	88.14	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	104419	17.137	ng	# 77
25) Isophorone	7.40	82	796680	49.314	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	30385	8.684	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	30385	6.522	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	17260	4.446	ng	# 1

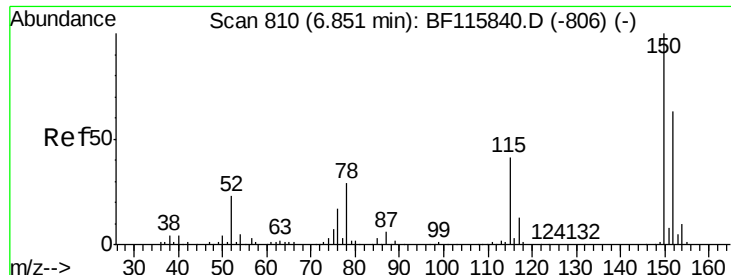
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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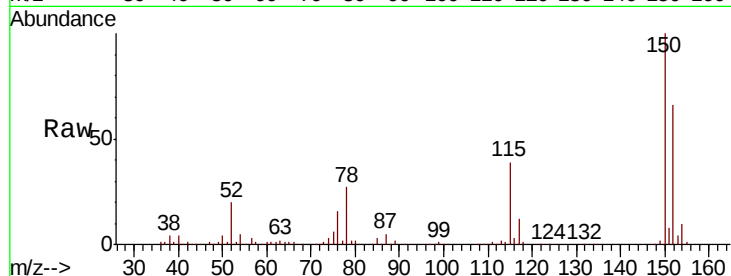


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116136.D
Acq: 10 Aug 2019 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	126.2	189.2
115	59.4	49.9	74.9

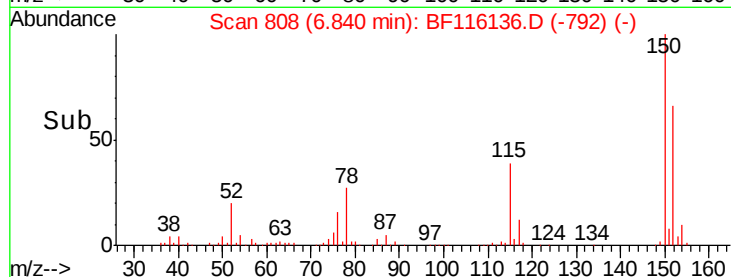
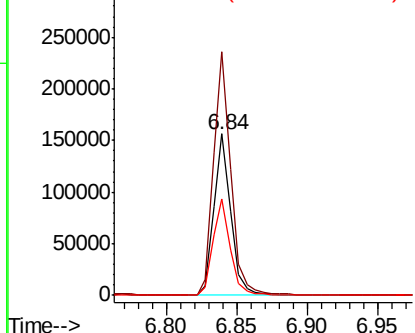


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

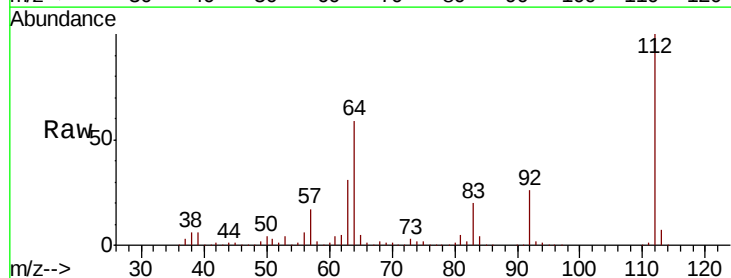
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.997 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116136.D
Acq: 10 Aug 2019 2:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	45.4	68.2
63	30.6	23.7	35.5

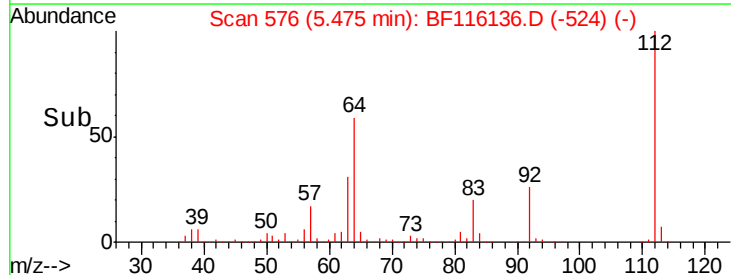
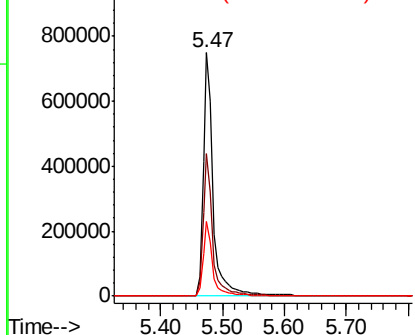


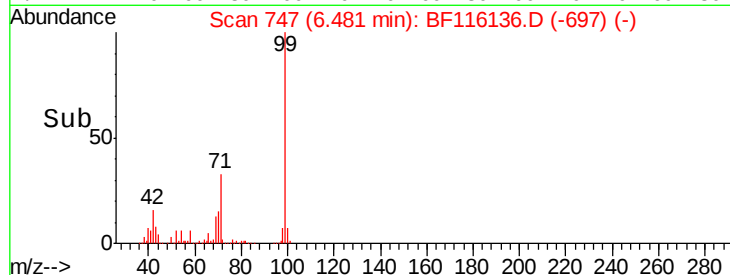
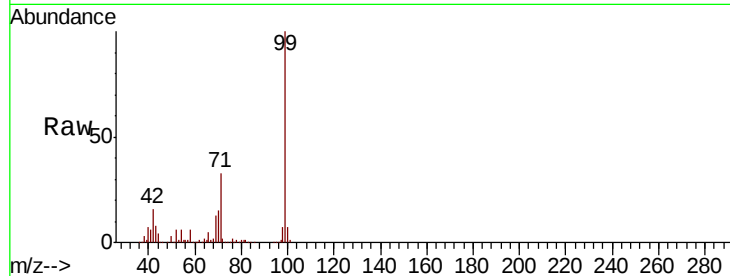
Abundance

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: 99.447 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116136.D

Acq: 10 Aug 2019 2:09

Instrument :

BNA_F

ClientSampled :

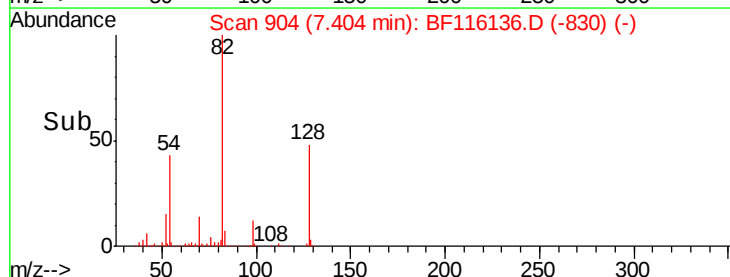
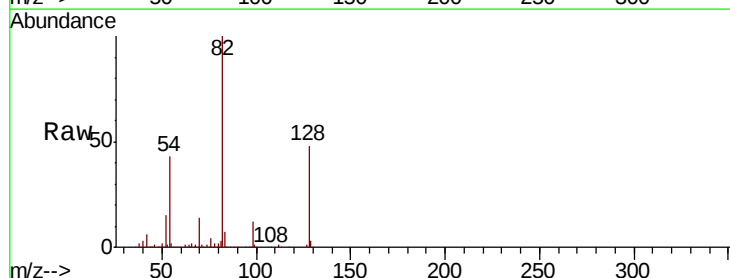
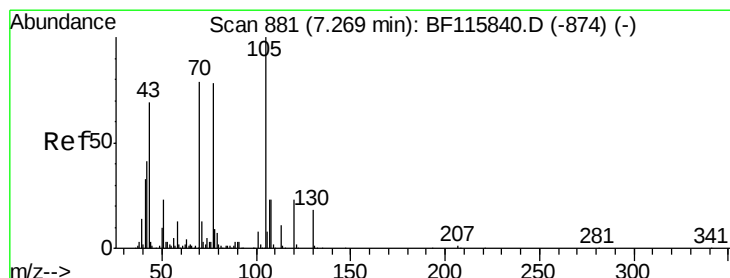
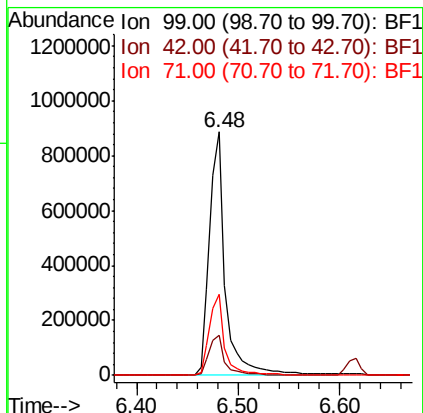
Tot Ion: 99 Resp: 977857

Ion Ratio Lower Upper

99 100

42 16.4 13.8 20.8

71 33.0 27.3 40.9



#19

n-Nitroso-di-n-propylamine

Concen: 17.137 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116136.D

Acq: 10 Aug 2019 2:09

Tgt Ion: 70 Resp: 104419

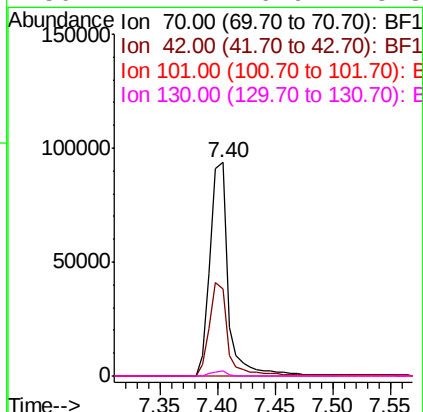
Ion Ratio Lower Upper

70 100

42 40.7 40.9 61.3#

101 0.0 7.9 11.9#

130 2.2 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: BF116136.D

Acq: 10 Aug 2019 2:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 487684

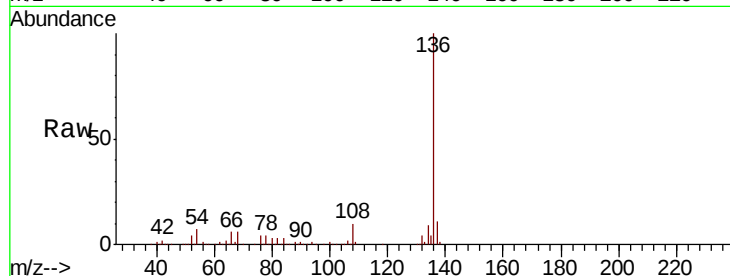
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.4 5.8 8.6

68 6.4 5.2 7.8

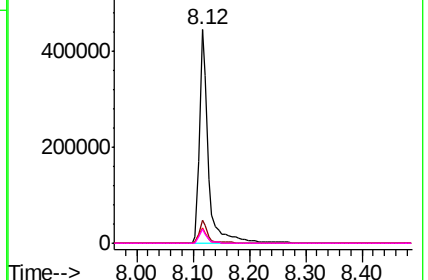
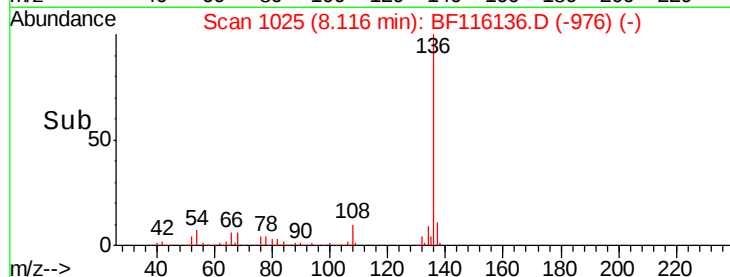


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.297 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116136.D

Acq: 10 Aug 2019 2:09

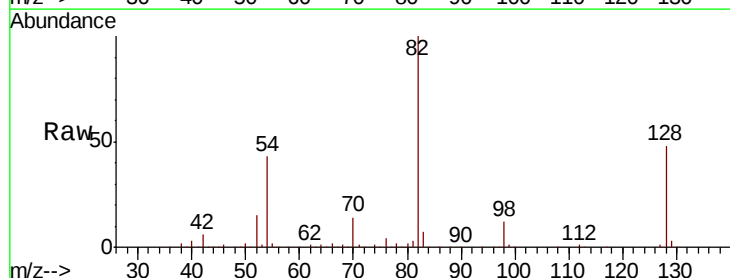
Tgt Ion: 82 Resp: 796683

Ion Ratio Lower Upper

82 100

128 48.2 36.5 54.7

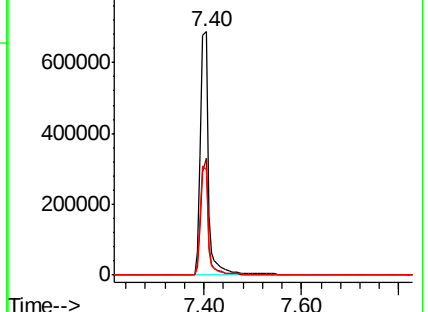
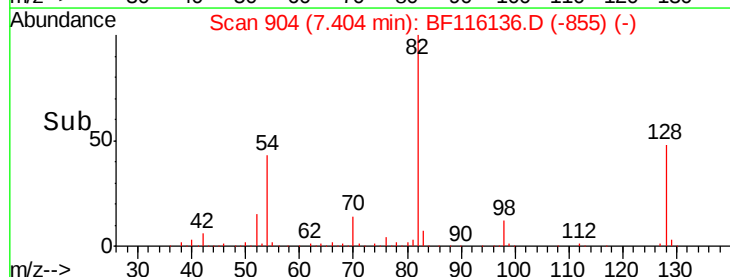
54 43.4 36.0 54.0

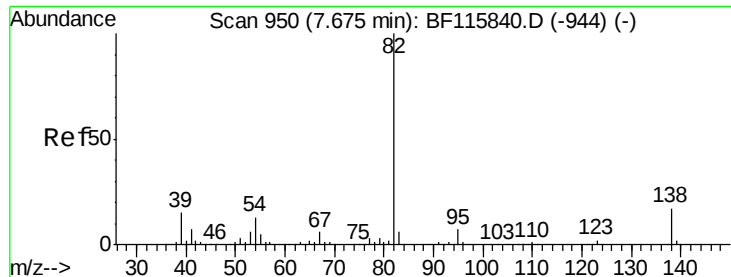


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.314 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116136.D

Acq: 10 Aug 2019 2:09

Instrument :

BNA_F

ClientSampled :

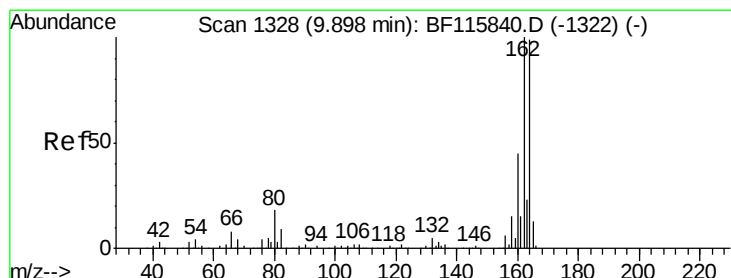
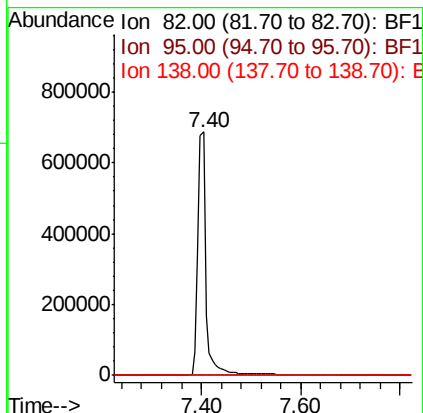
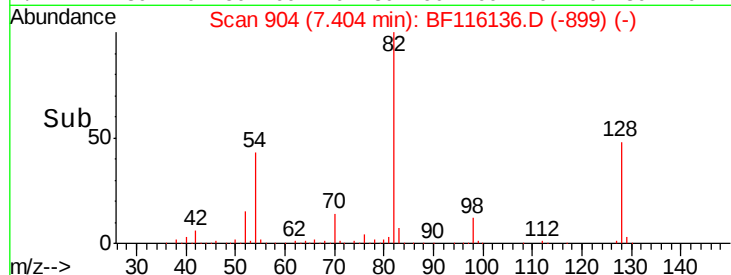
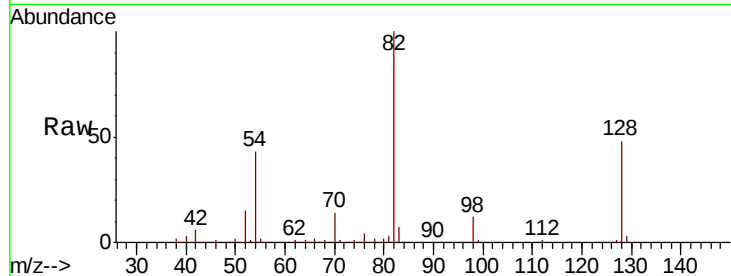
Tot Ion: 82 Resp: 796680

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: BF116136.D

Acq: 10 Aug 2019 2:09

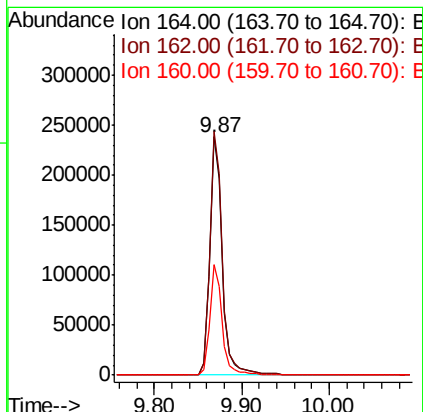
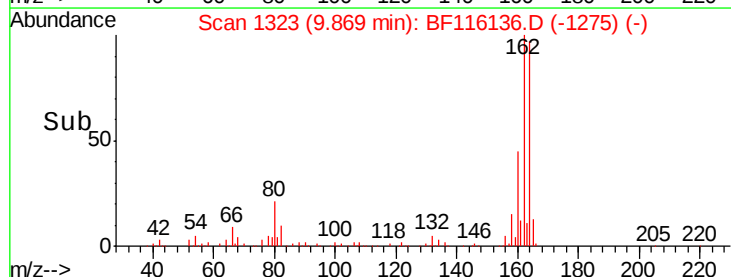
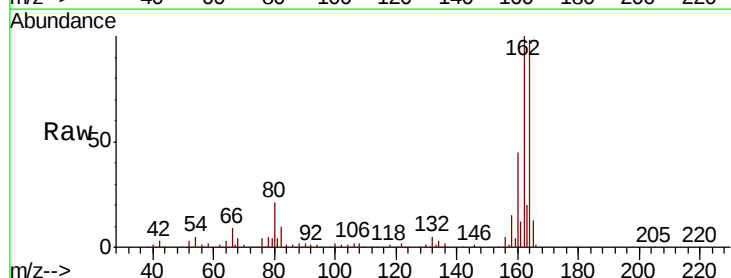
Tgt Ion: 164 Resp: 236478

Ion Ratio Lower Upper

164 100

162 102.1 82.6 124.0

160 46.2 37.6 56.4

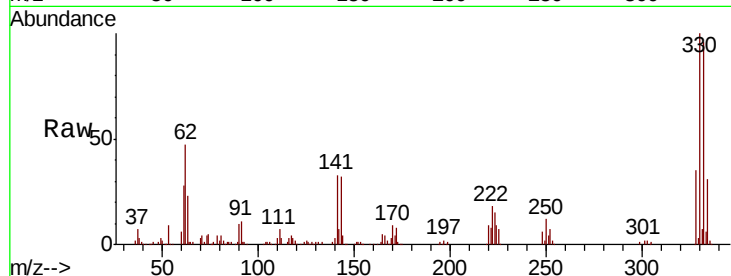




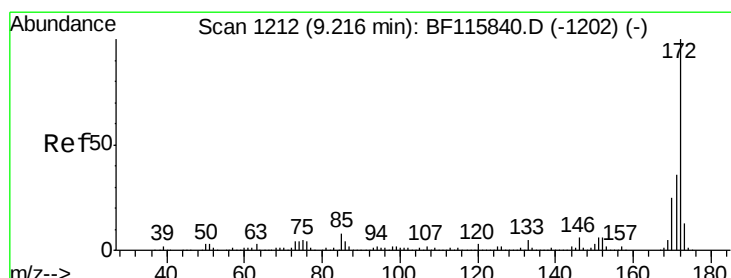
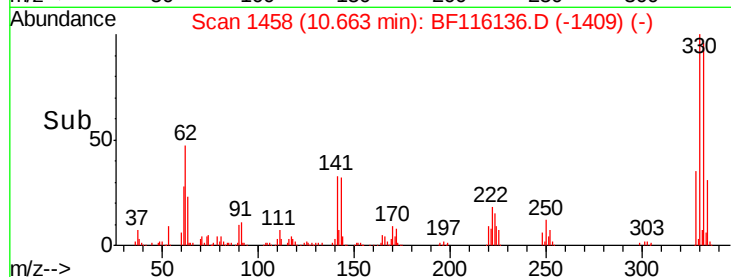
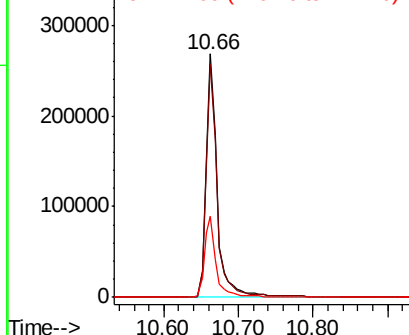
#42
 2,4,6-Tribromophenol
 Concen: 123.238 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116136.D
 Acq: 10 Aug 2019 2:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.8	115.2
141	34.5	26.3	39.5

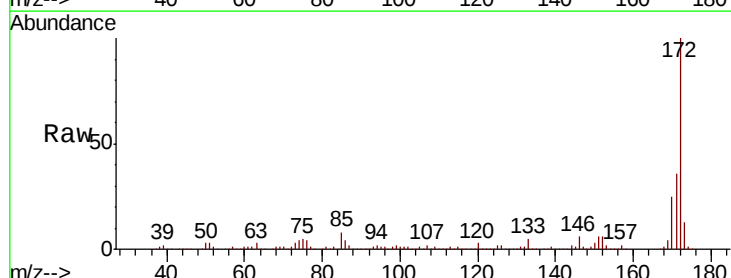


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

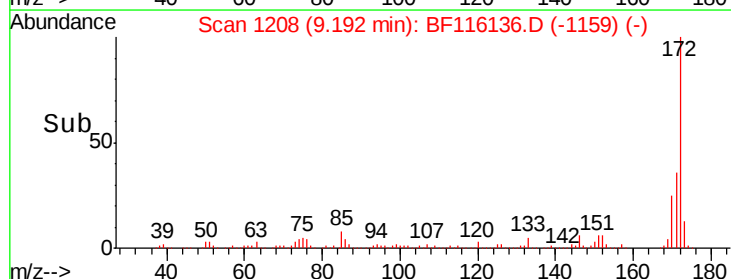
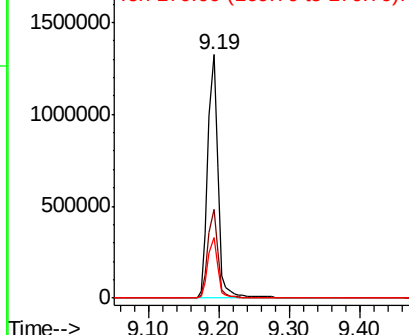


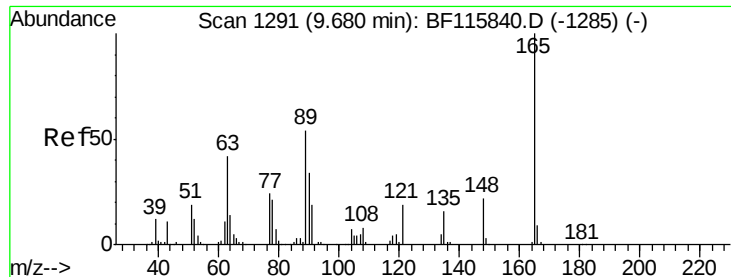
#45
 2-Fluorobiphenyl
 Concen: 106.157 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116136.D
 Acq: 10 Aug 2019 2:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.9	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

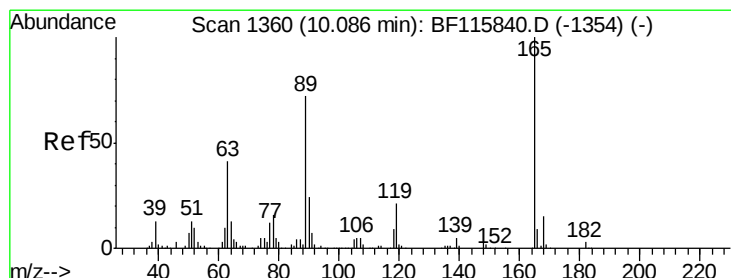
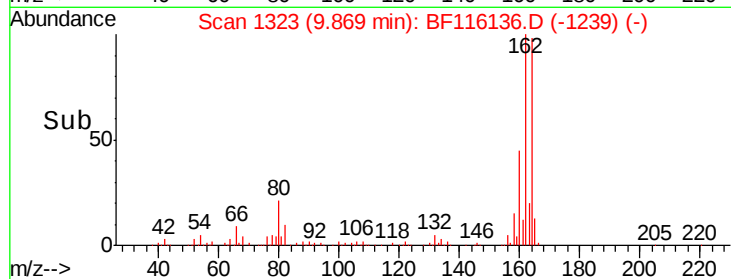
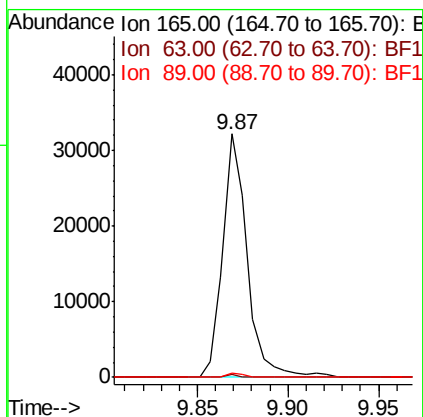
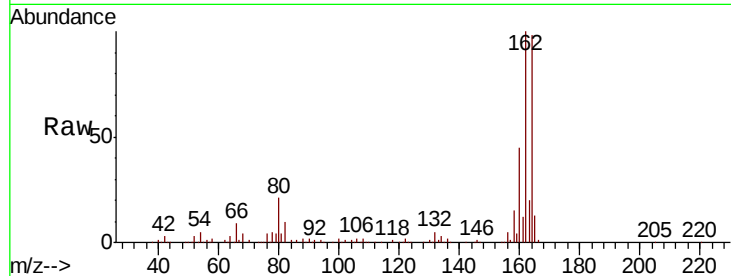




#51
 2,6-Dinitrotoluene
 Concen: 8.684 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116136.D
 Acq: 10 Aug 2019 2:09

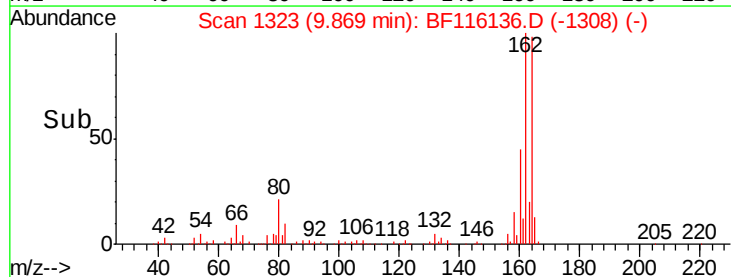
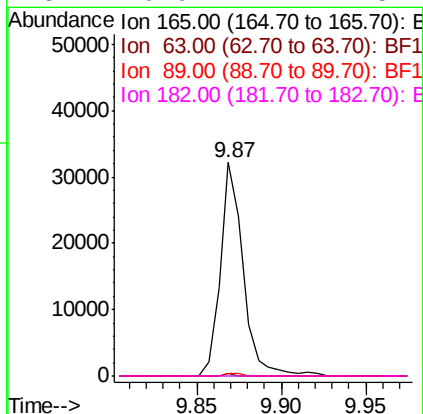
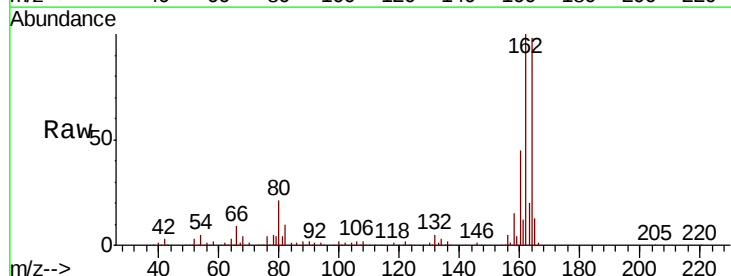
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	38.2	57.2#
89	1.5	42.9	64.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.522 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116136.D
 Acq: 10 Aug 2019 2:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.6	59.4#
89	1.5	62.2	93.2#
182	0.0	2.1	3.1#

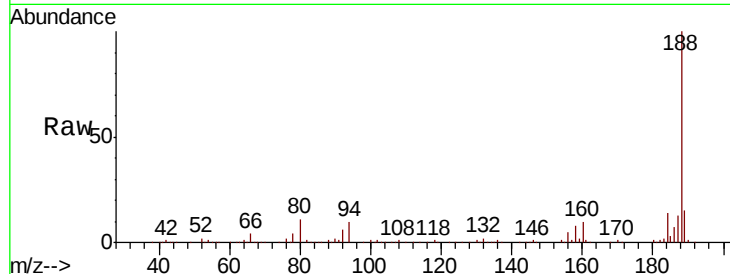




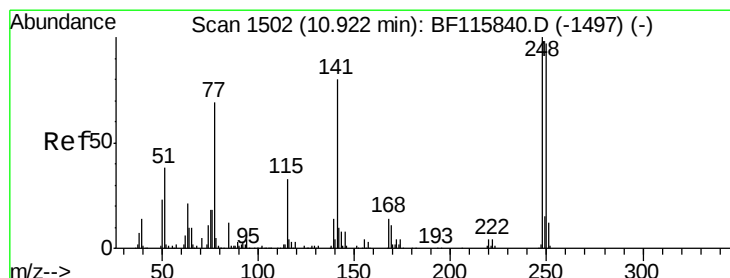
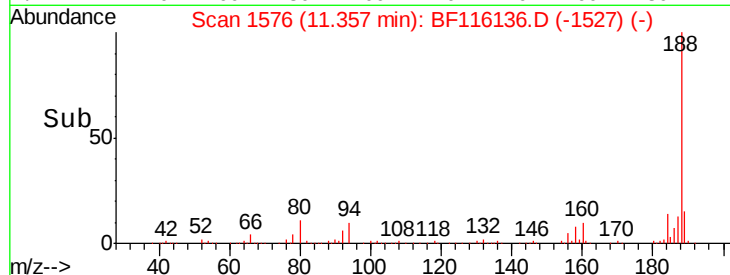
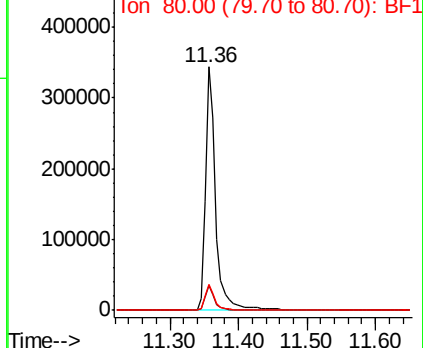
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116136.D
Acq: 10 Aug 2019 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	10.9	8.7	13.1

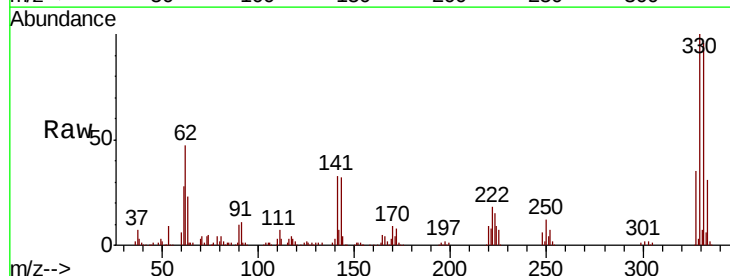


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

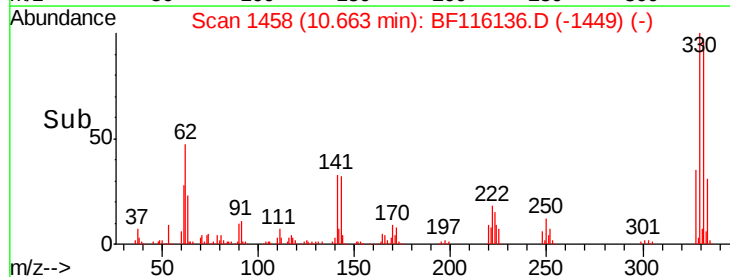
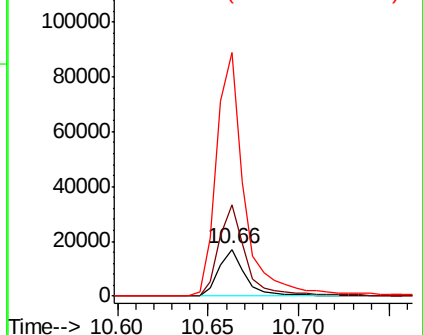


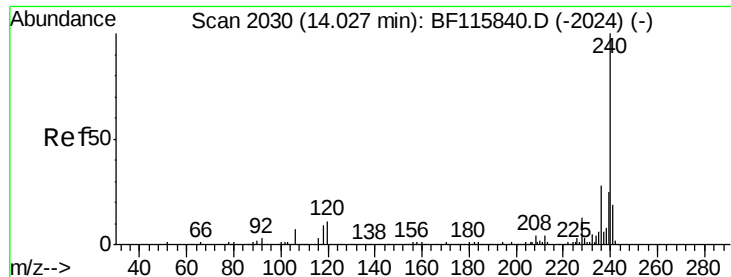
#67
4-Bromophenyl-phenylether
Concen: 4.446 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116136.D
Acq: 10 Aug 2019 2:09

Tgt Ion	Ratio	Lower	Upper
248	100		
250	196.3	77.4	116.2#
141	521.7	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

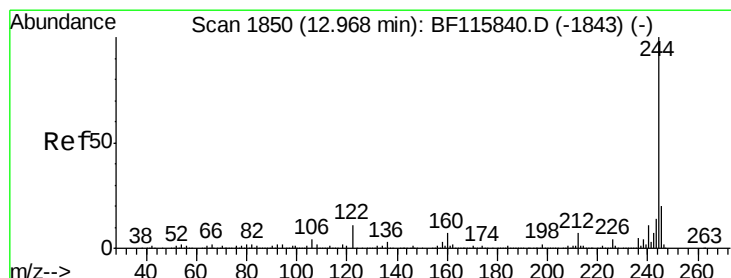
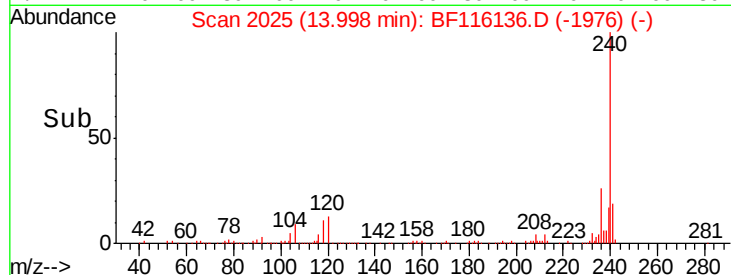
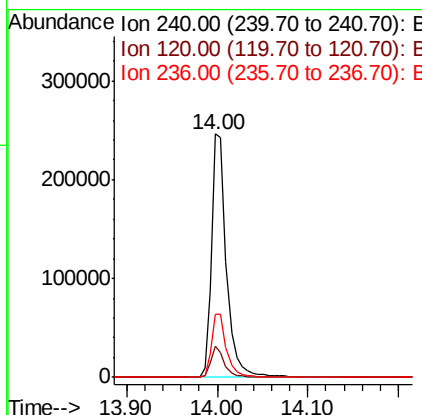
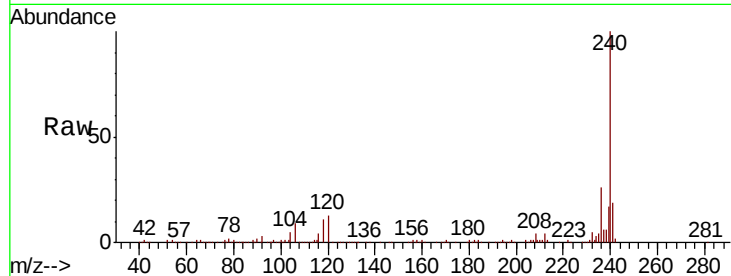




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116136.D
Acq: 10 Aug 2019 2:09

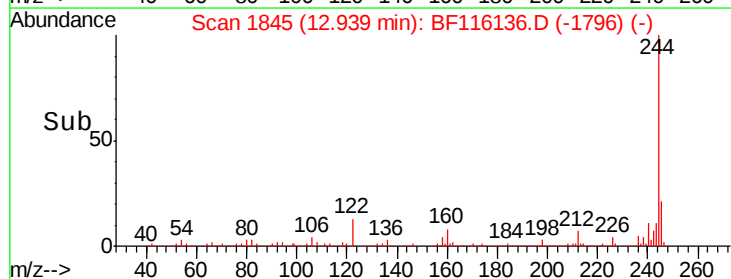
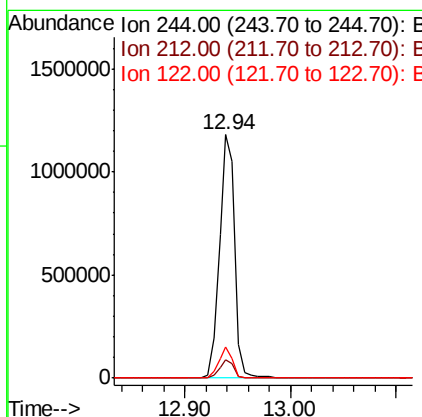
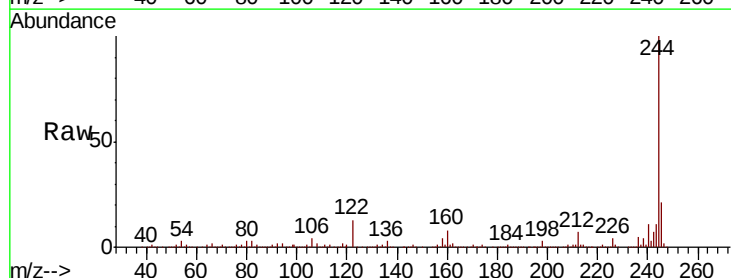
Instrument :
BNA_F
ClientSampleId :

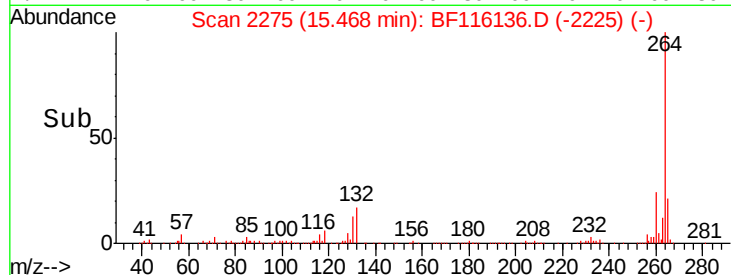
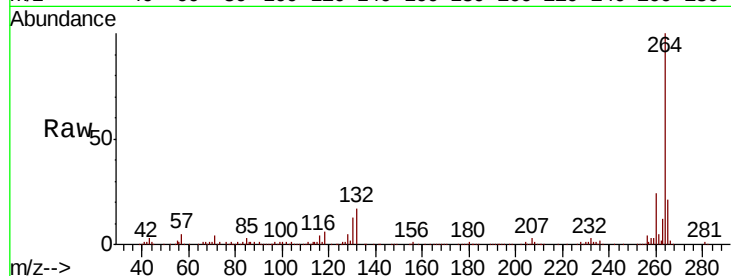
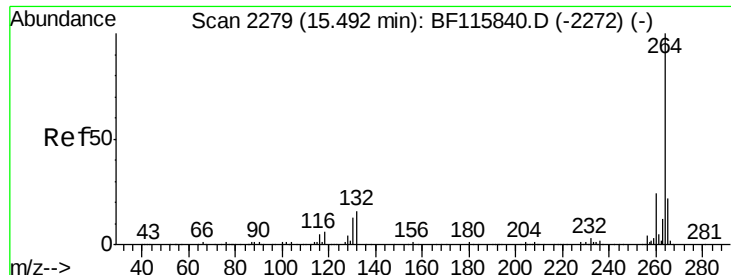
Tot Ion:240 Resp: 285576
Ion Ratio Lower Upper
240 100
120 12.9 10.7 16.1
236 26.0 22.2 33.2



#79
Terphenyl-d14
Concen: 88.139 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116136.D
Acq: 10 Aug 2019 2:09

Tgt Ion:244 Resp: 1194508
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.8
122 12.8 9.0 13.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116136.D
 Acq: 10 Aug 2019 2:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	319057
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.7	29.5
265	21.1	17.4	26.0

