

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116602.D
 Acq On : 28 Aug 2019 00:11
 Operator : HP/JU
 Sample : K4528-39
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:39:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

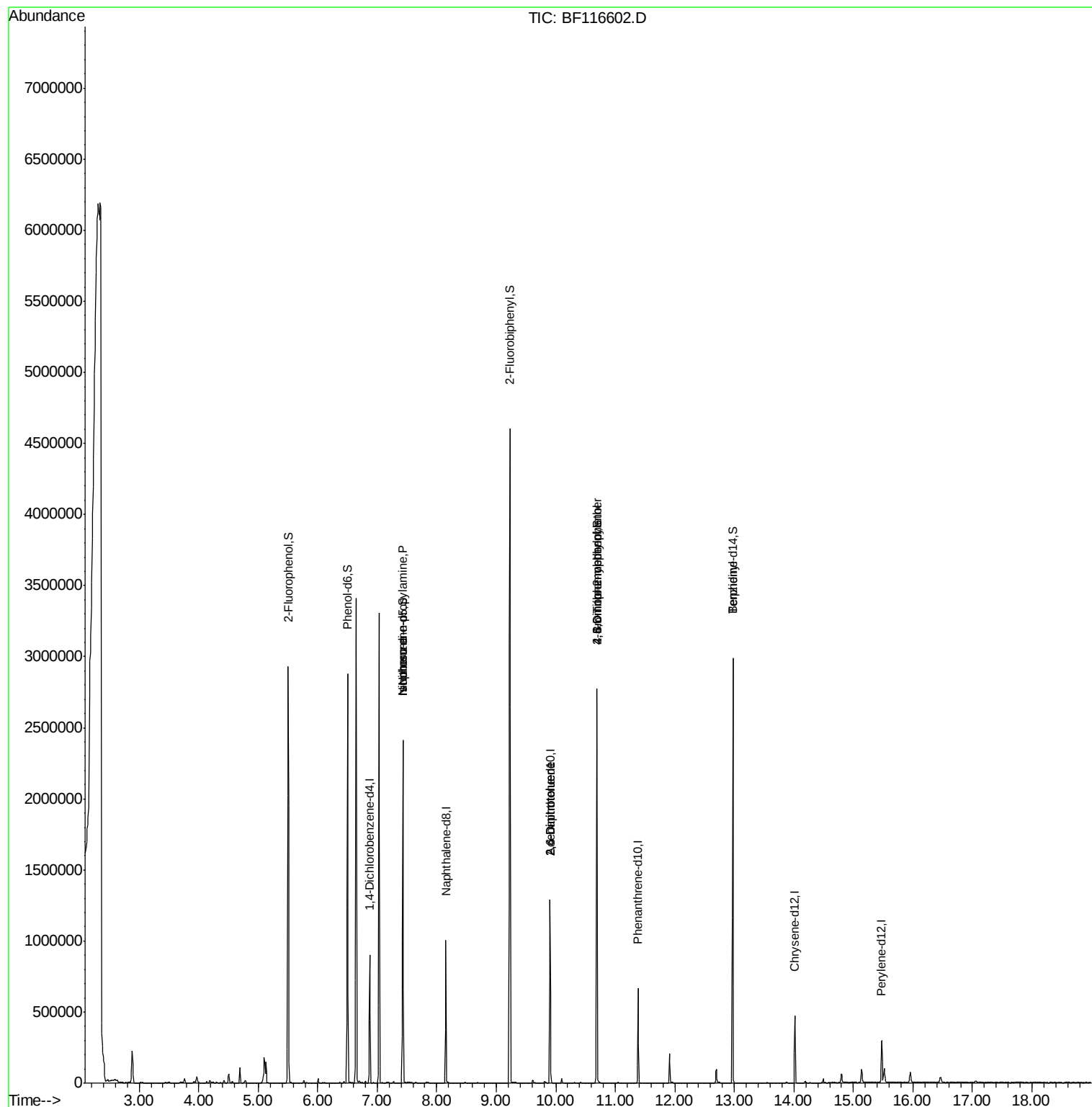
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	118695	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	440184	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	235437	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	221121	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	152879	20.00	ng	-0.02
87) Perylene-d12	15.47	264	142024	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	849732	104.60	ng	0.00
7) Phenol-d6	6.50	99	963441	96.73	ng	0.00
23) Nitrobenzene-d5	7.43	82	801339	99.60	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	323597	160.07	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1439459	98.46	ng	-0.01
79) Terphenyl-d14	12.97	244	951267	116.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	108384	15.947	ng	# 78
25) Isophorone	7.43	82	801457	50.548	ng	# 67
51) 2,6-Dinitrotoluene	9.90	165	29597	8.803	ng	# 25
57) 2,4-Dinitrotoluene	9.90	165	29597	6.918	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.69	198	713	7.677	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	20703	8.931	ng	# 1
77) Benzidine	12.97	184	13808	2.245	ng	97

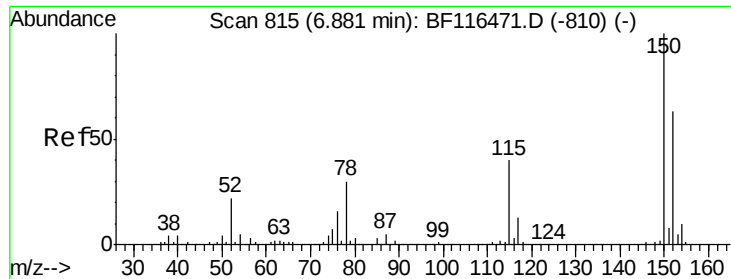
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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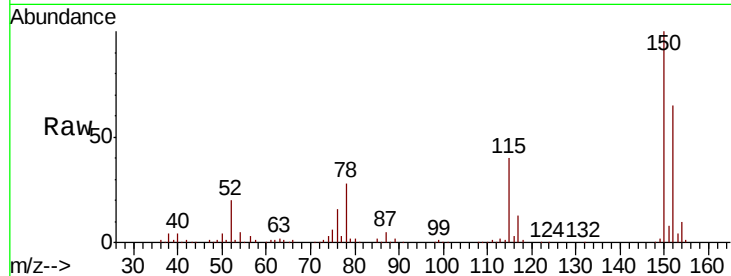


#1

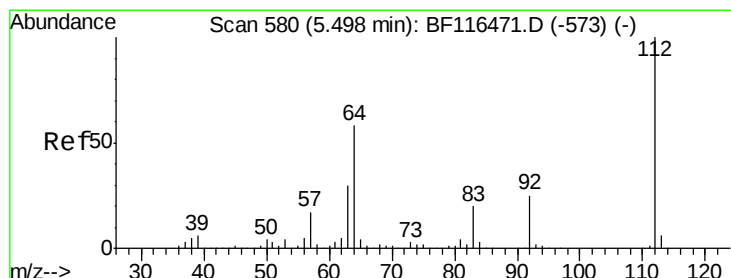
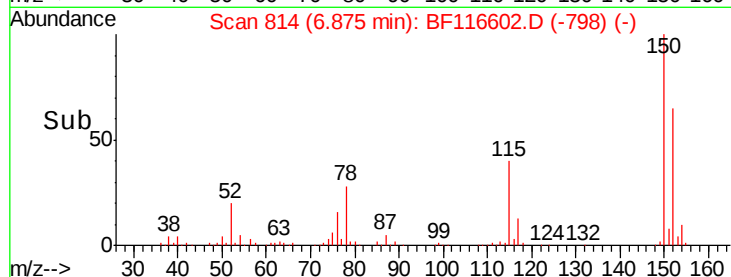
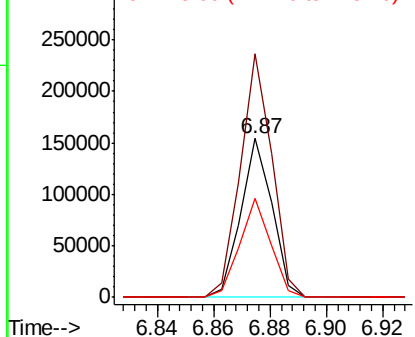
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118695
Ion Ratio Lower Upper
152 100
150 153.5 126.7 190.1
115 62.1 50.9 76.3



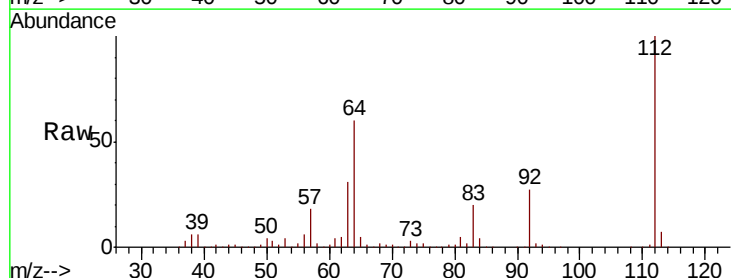
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



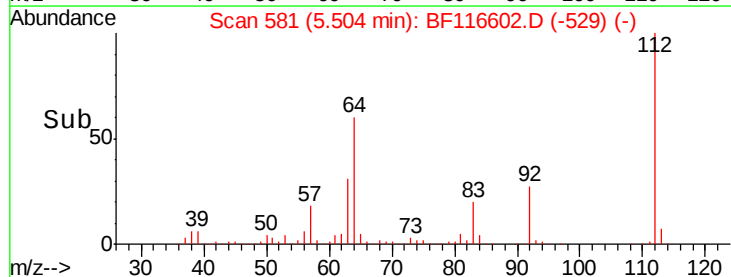
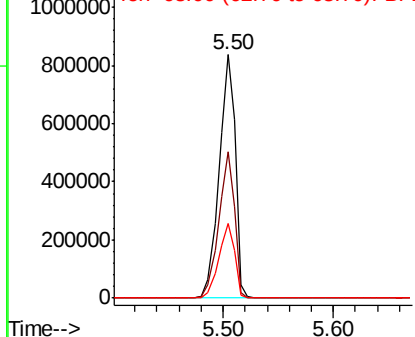
#5

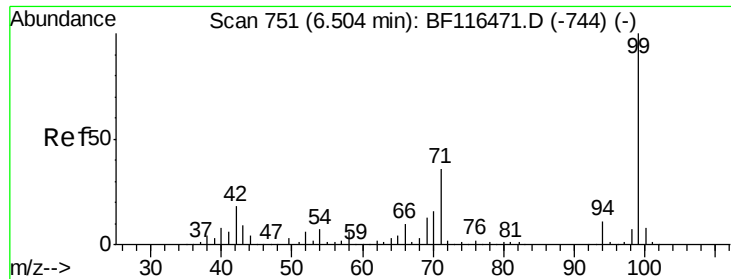
2-Fluorophenol
Concen: 104.603 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Tgt Ion:112 Resp: 849732
Ion Ratio Lower Upper
112 100
64 59.9 46.3 69.5
63 30.6 24.2 36.4



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: 96.726 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116602.D

Acq: 28 Aug 2019 00:11

Instrument :

BNA_F

ClientSampled :

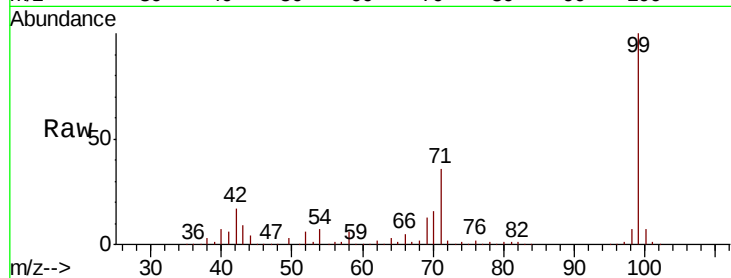
Tot Ion: 99 Resp: 963441

Ion Ratio Lower Upper

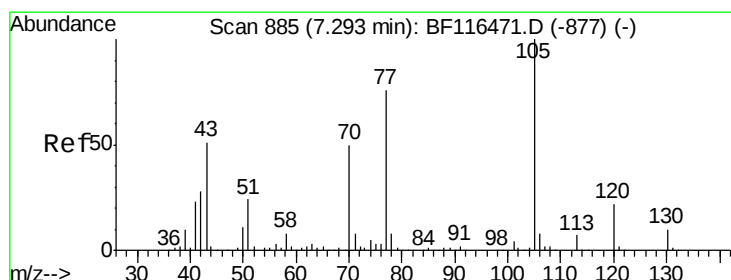
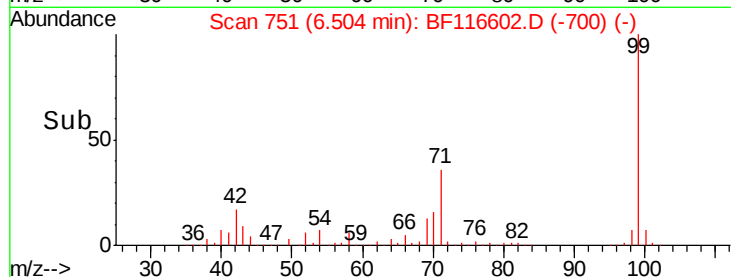
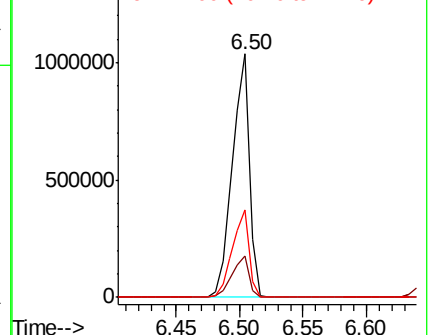
99 100

42 17.2 14.6 21.8

71 35.9 28.5 42.7



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: 15.947 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116602.D

Acq: 28 Aug 2019 00:11

Tgt Ion: 70 Resp: 108384

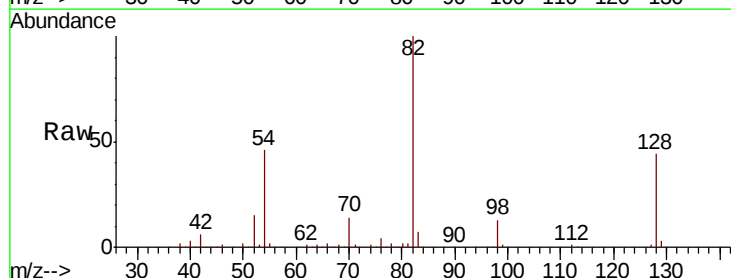
Ion Ratio Lower Upper

70 100

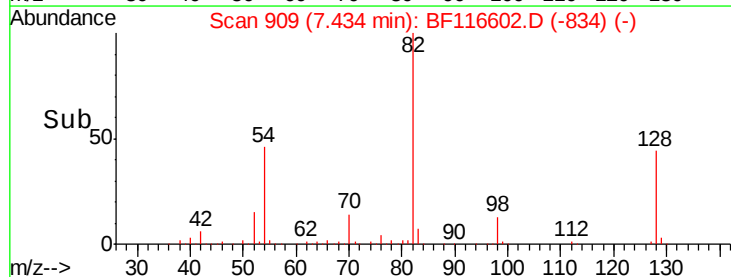
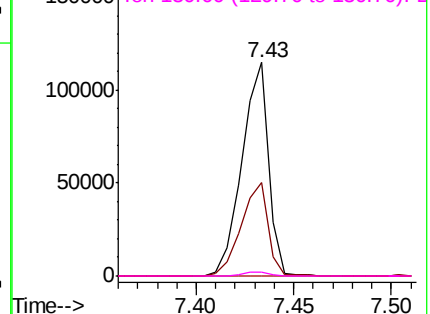
42 43.8 44.4 66.6#

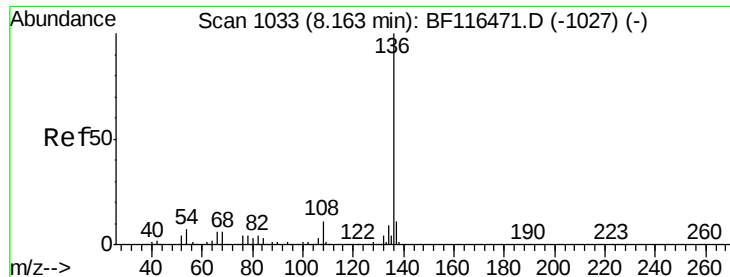
101 0.0 7.1 10.7#

130 2.0 15.8 23.8#



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: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF116602.D

Acq: 28 Aug 2019 00:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 440184

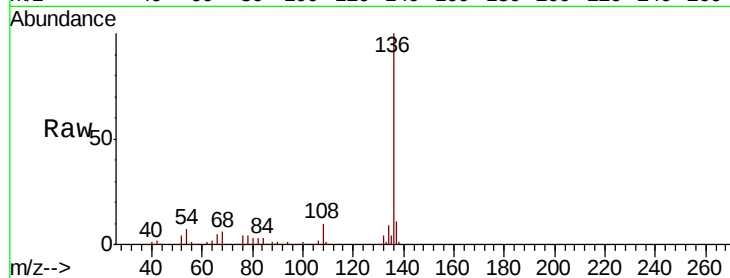
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.0 5.8 8.6

68 5.9 5.1 7.7

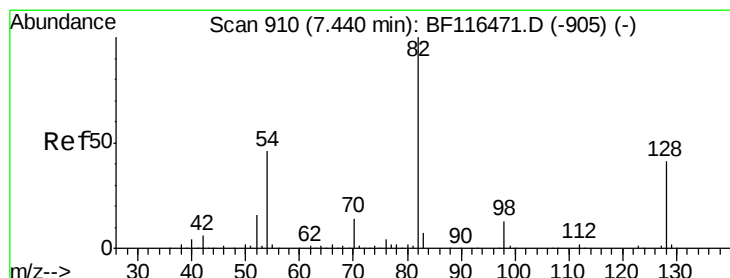
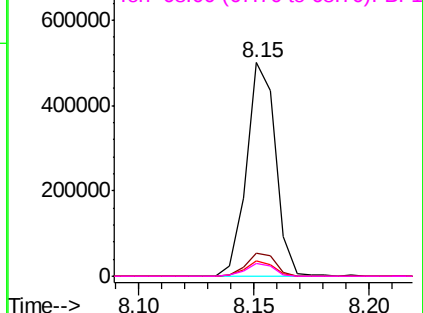
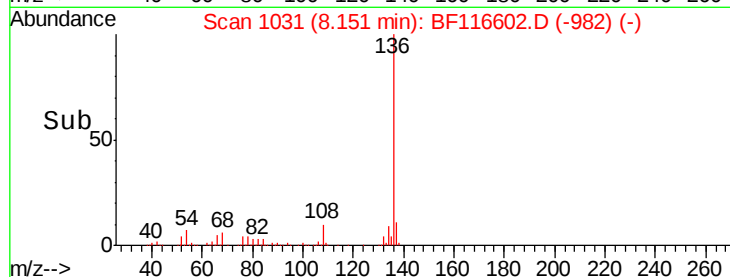


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.597 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF116602.D

Acq: 28 Aug 2019 00:11

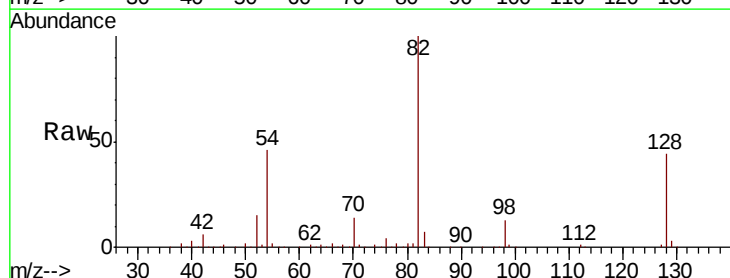
Tgt Ion: 82 Resp: 801339

Ion Ratio Lower Upper

82 100

128 44.4 32.2 48.4

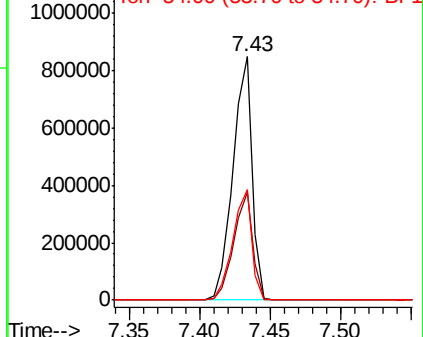
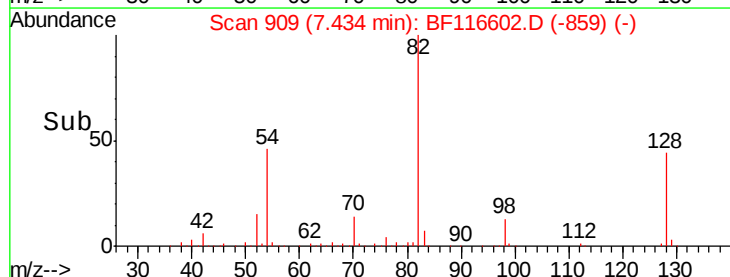
54 45.5 36.5 54.7

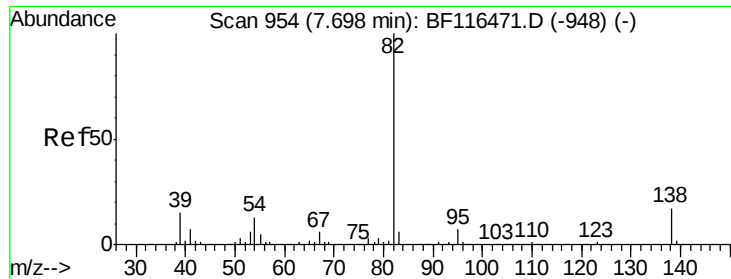


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.548 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116602.D

Acq: 28 Aug 2019 00:11

Instrument :

BNA_F

ClientSampleId :

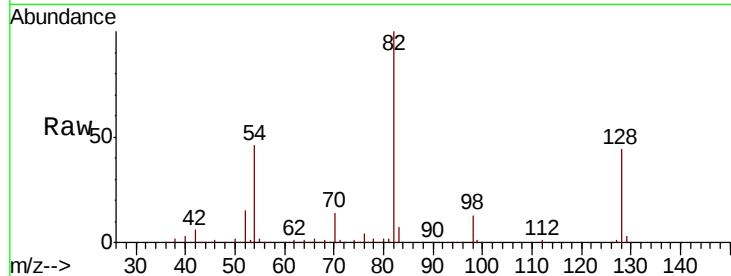
Tot Ion: 82 Resp: 801457

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

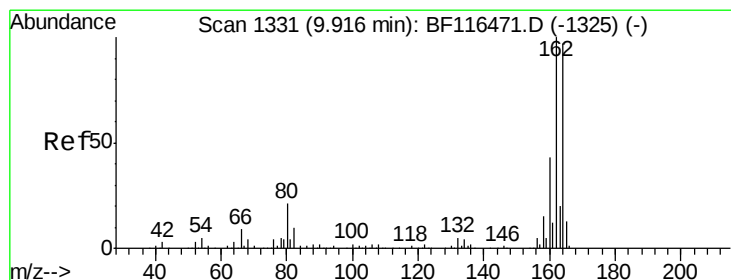
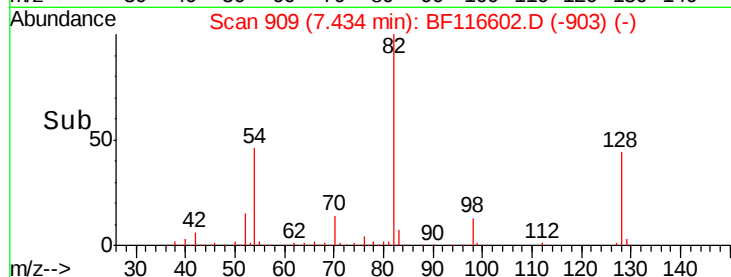
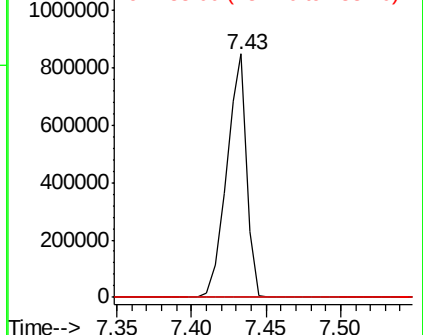
138 0.0 13.3 19.9#



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: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116602.D

Acq: 28 Aug 2019 00:11

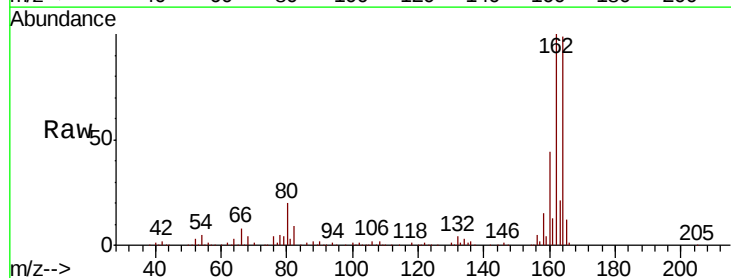
Tgt Ion: 164 Resp: 235437

Ion Ratio Lower Upper

164 100

162 101.0 82.6 123.8

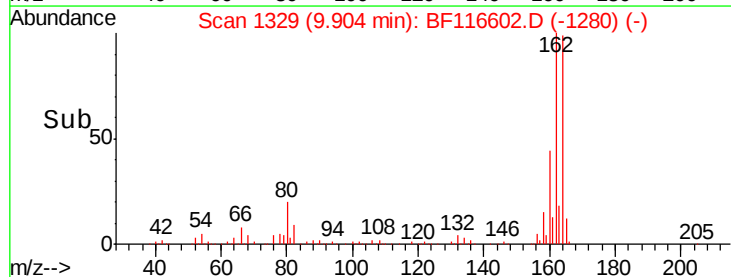
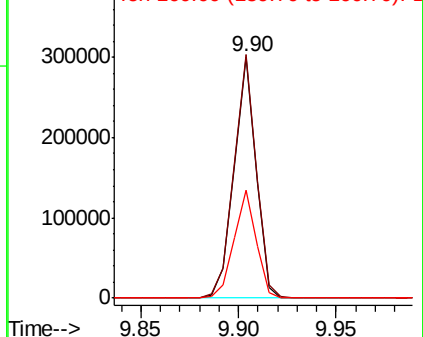
160 44.6 35.8 53.8

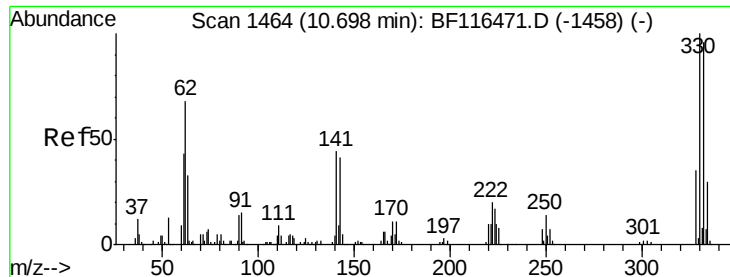


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

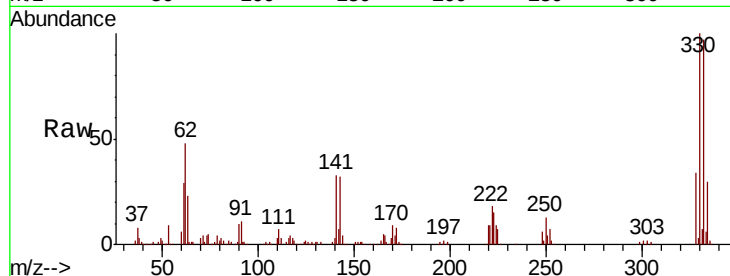




#42
 2,4,6-Tribromophenol
 Concen: 160.067 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF116602.D
 Acq: 28 Aug 2019 00:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.2	115.8
141	36.7	33.3	49.9

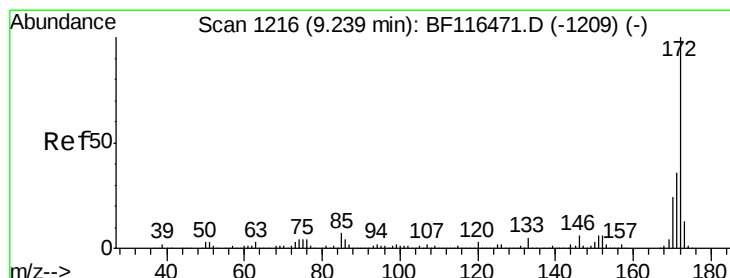
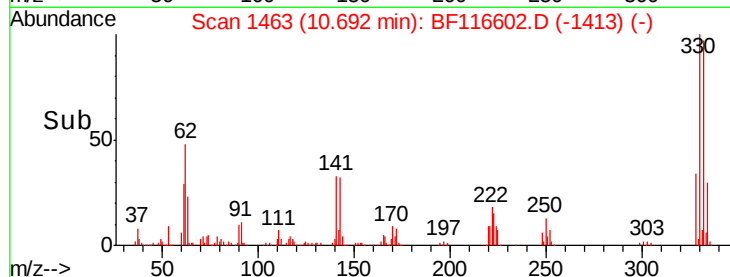
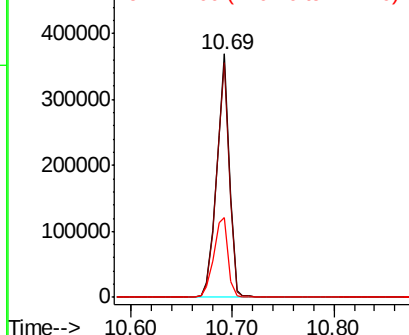


Abundance

Ion 329.80 (329.50 to 330.50): E

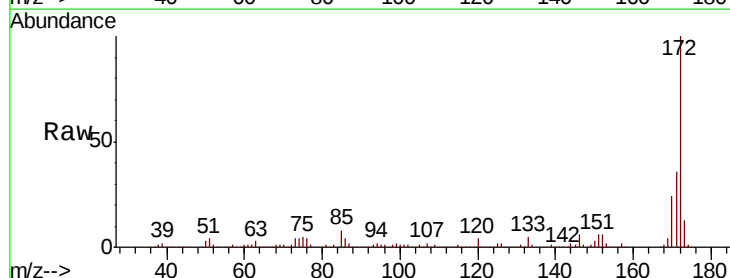
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 98.460 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF116602.D
 Acq: 28 Aug 2019 00:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	24.1	19.4	29.0

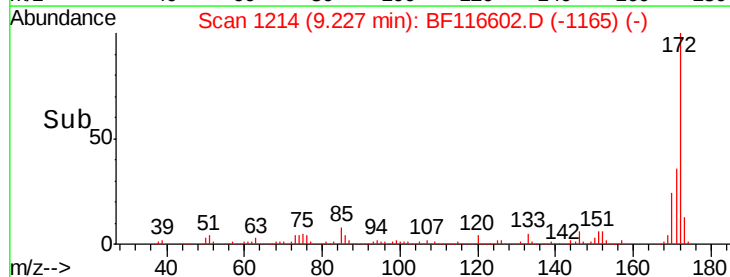
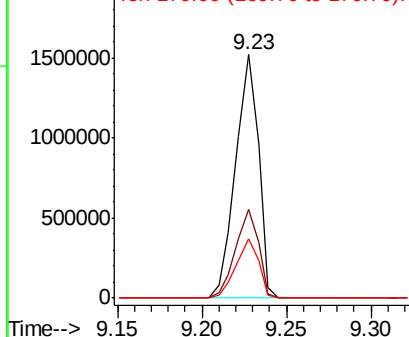


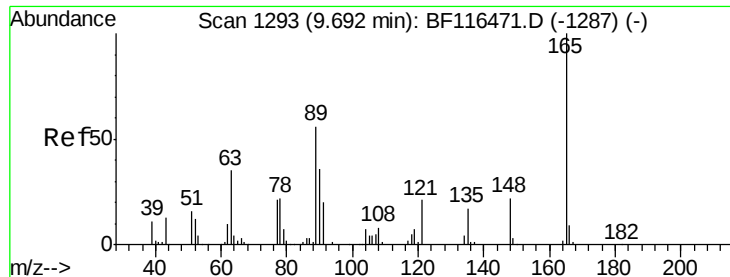
Abundance

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: 8.803 ng

RT: 9.90 min Scan# 1329

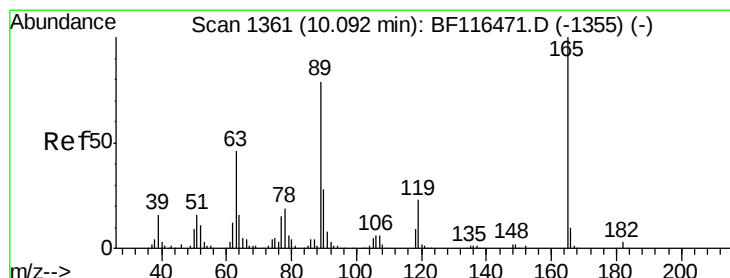
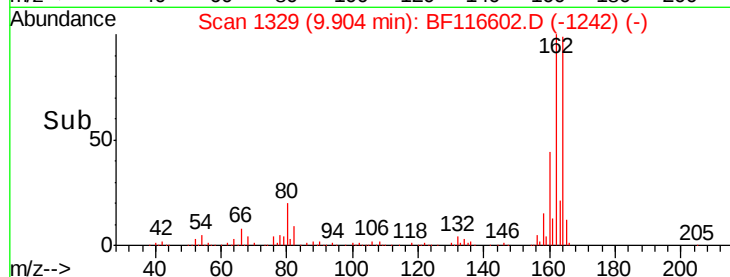
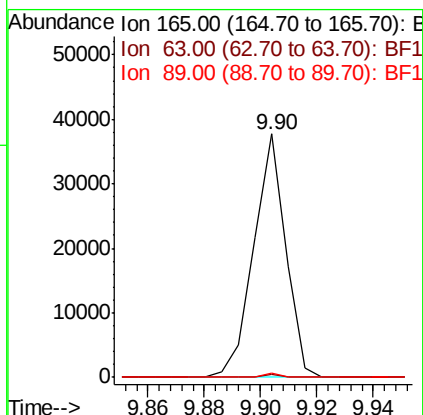
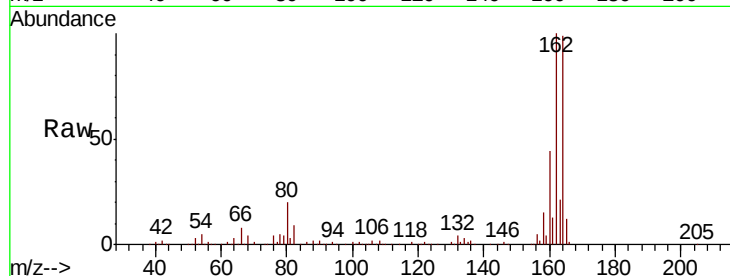
Delta R.T. 0.21 min

Lab File: BF116602.D

Acq: 28 Aug 2019 00:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	29597
Ion Ratio	Lower	Upper
165	100	
63	1.3	43.7 65.5#
89	1.5	45.1 67.7#



#57

2,4-Dinitrotoluene

Concen: 6.918 ng

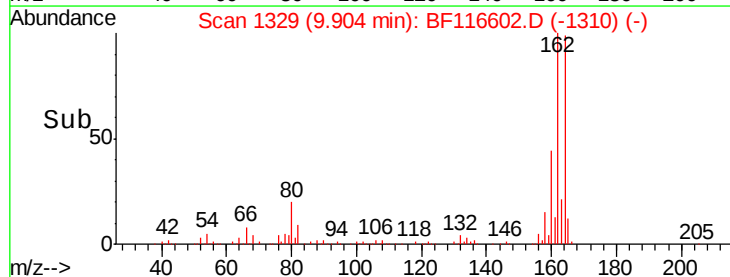
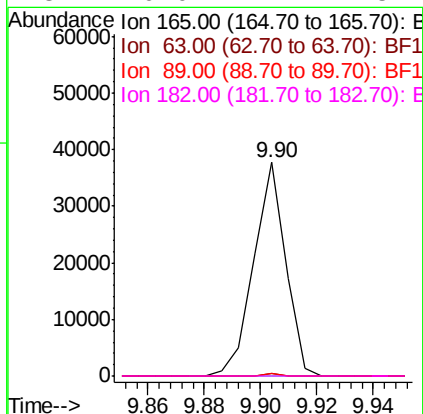
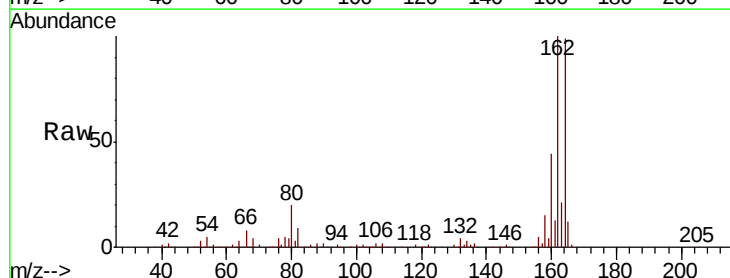
RT: 9.90 min Scan# 1329

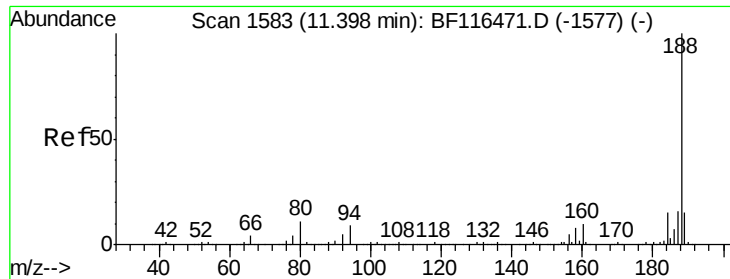
Delta R.T. -0.19 min

Lab File: BF116602.D

Acq: 28 Aug 2019 00:11

Tgt Ion:165	Resp:	29597
Ion Ratio	Lower	Upper
165	100	
63	1.3	36.9 55.3#
89	1.5	63.4 95.0#
182	0.0	2.1 3.1#

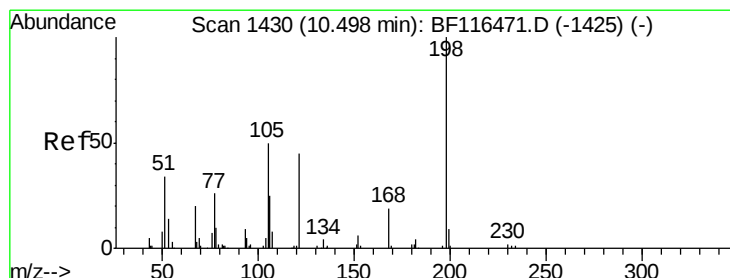
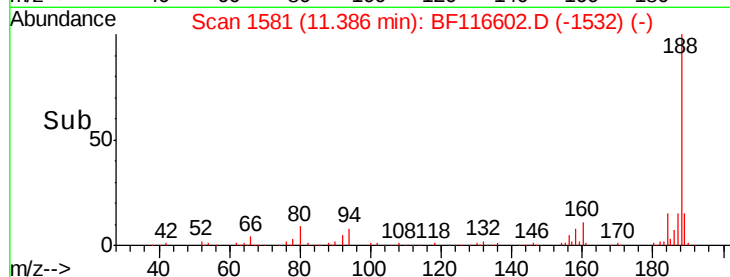
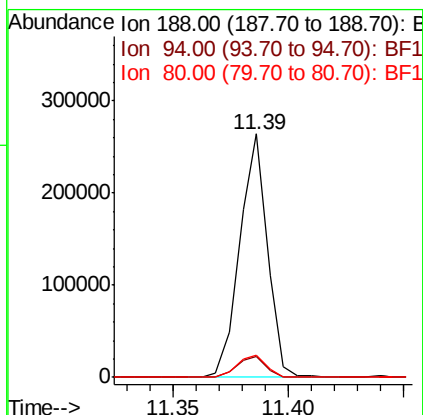
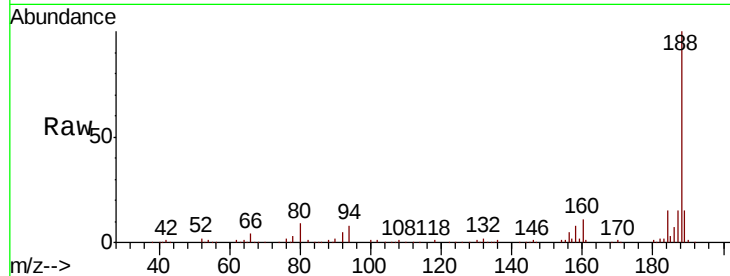




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF116602.D
 Acq: 28 Aug 2019 00:11

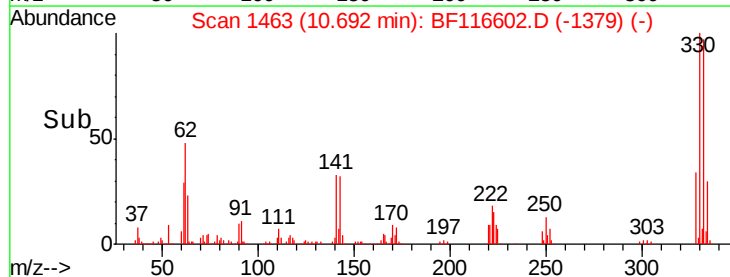
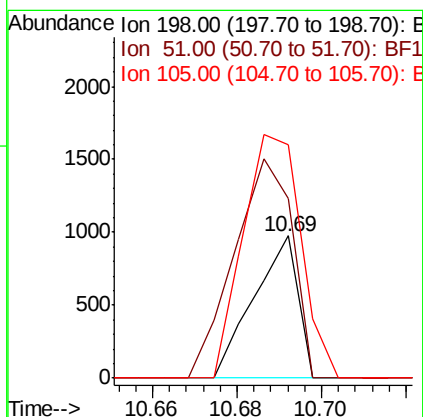
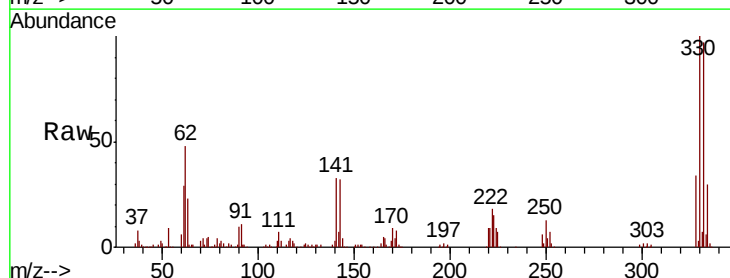
Instrument :
 BNA_F
 ClientSampleId :

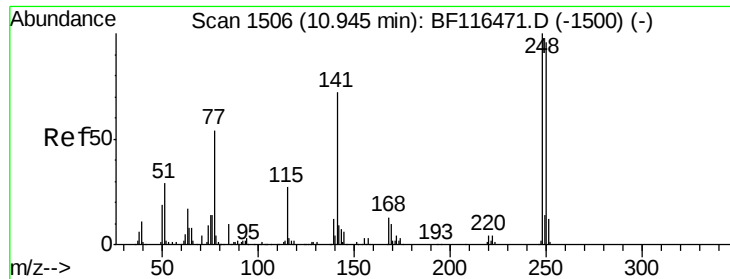
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.4	11.2
80	9.4	8.6	12.8



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.677 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.19 min
 Lab File: BF116602.D
 Acq: 28 Aug 2019 00:11

Tgt Ion	Ratio	Lower	Upper
198	100		
51	126.7	30.4	70.4#
105	164.2	32.8	72.8#

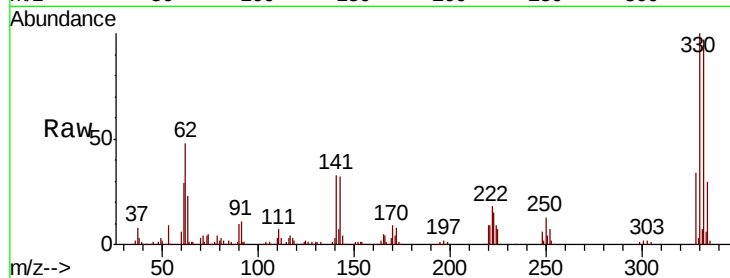




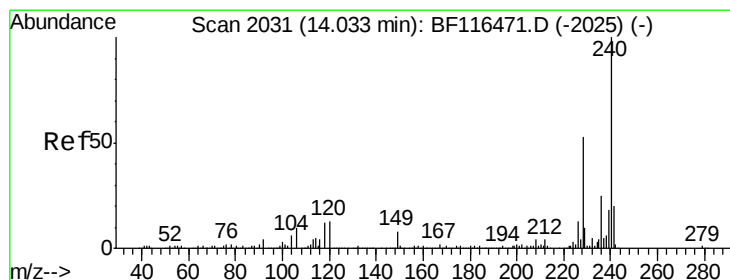
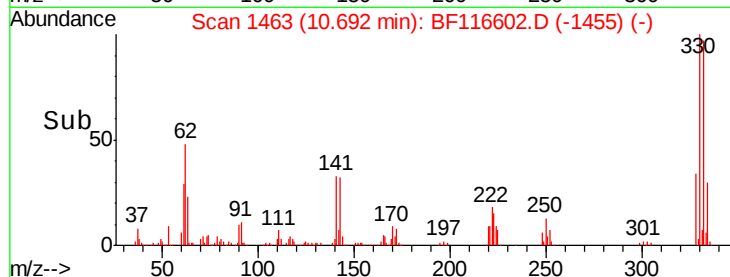
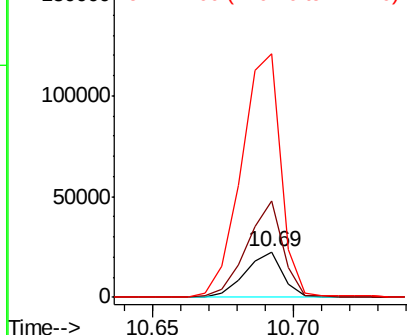
#67
4-Bromophenyl-phenylether
Concen: 8.931 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.25 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 20703
Ion Ratio Lower Upper
248 100
250 211.8 77.0 115.6#
141 531.8 57.4 86.0#

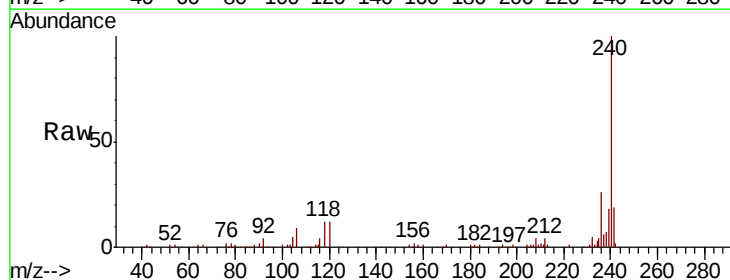


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

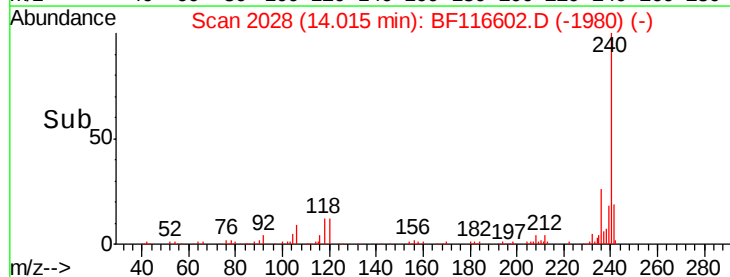
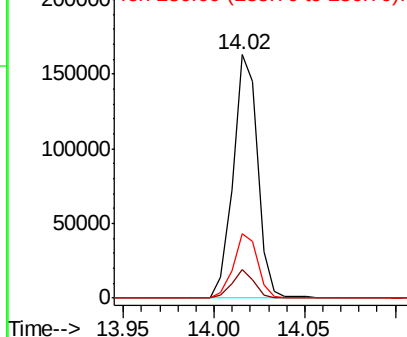


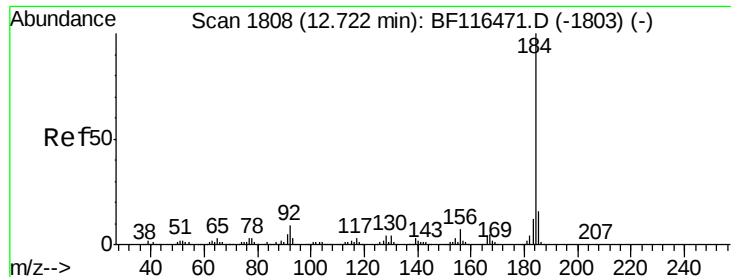
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Tgt Ion:240 Resp: 152879
Ion Ratio Lower Upper
240 100
120 11.8 10.5 15.7
236 26.2 20.2 30.2



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





#77

Benzidine

Concen: 2.245 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.25 min

Lab File: BF116602.D

Acq: 28 Aug 2019 00:11

Instrument :

BNA_F

ClientSampleId :

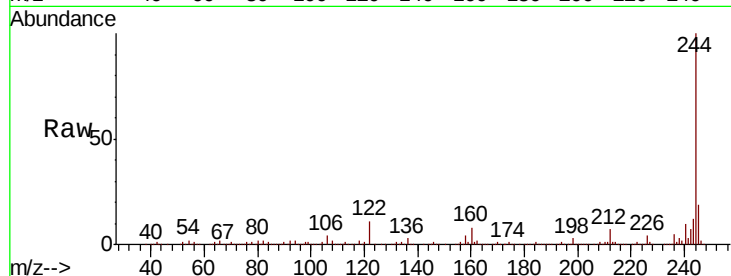
Tot Ion:184 Resp: 13808

Ion Ratio Lower Upper

184 100

185 17.0 13.0 19.4

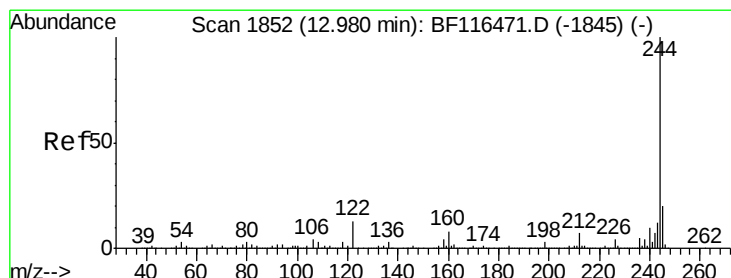
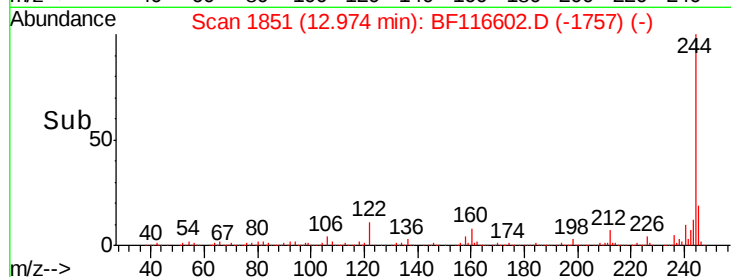
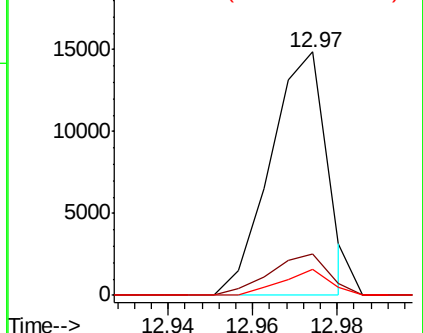
183 10.5 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 116.227 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF116602.D

Acq: 28 Aug 2019 00:11

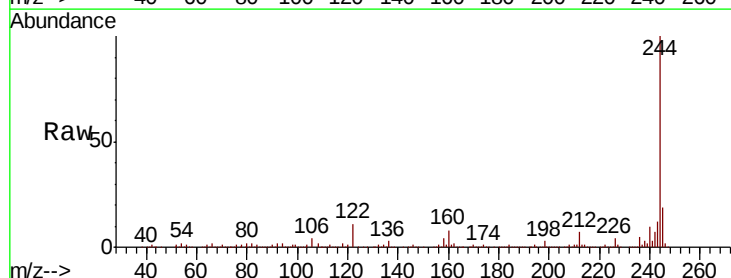
Tgt Ion:244 Resp: 951267

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

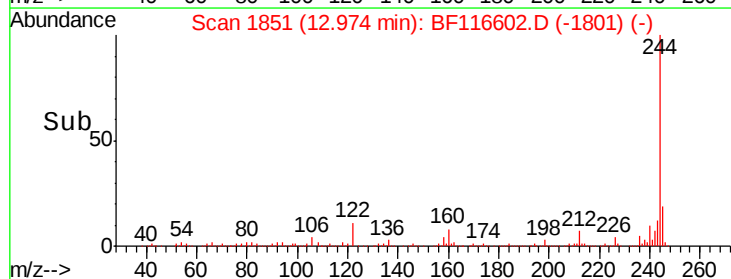
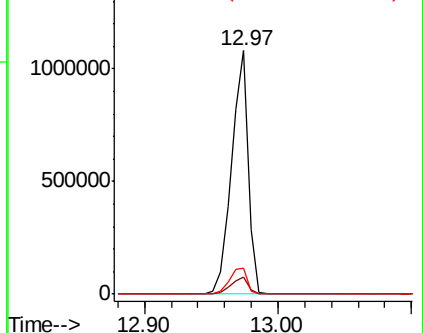
122 10.9 10.2 15.4

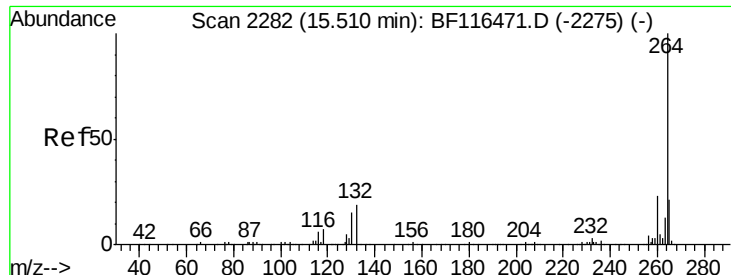


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

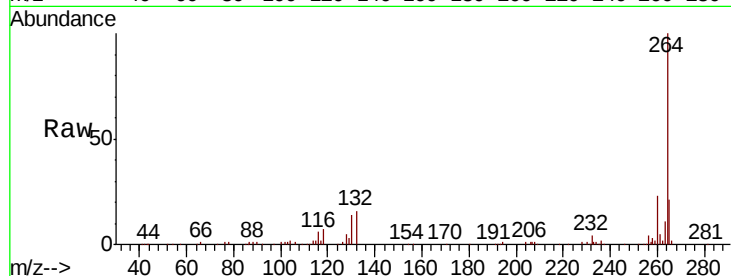




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.04 min
Lab File: BF116602.D
Acq: 28 Aug 2019 00:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.8	28.2
265	21.3	17.1	25.7



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

