

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116591.D
 Acq On : 27 Aug 2019 19:12
 Operator : HP/JU
 Sample : K4093-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:37:11 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	57730	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	225006	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	119445	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	215572	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	151523	20.00	ng	-0.01
87) Perylene-d12	15.49	264	136373	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	443972	112.37	ng	0.00
7) Phenol-d6	6.50	99	519467	107.23	ng	0.00
23) Nitrobenzene-d5	7.43	82	426509	103.71	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	183532	178.94	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	791860	106.76	ng	-0.01
79) Terphenyl-d14	12.97	244	933346	115.06	ng	0.00

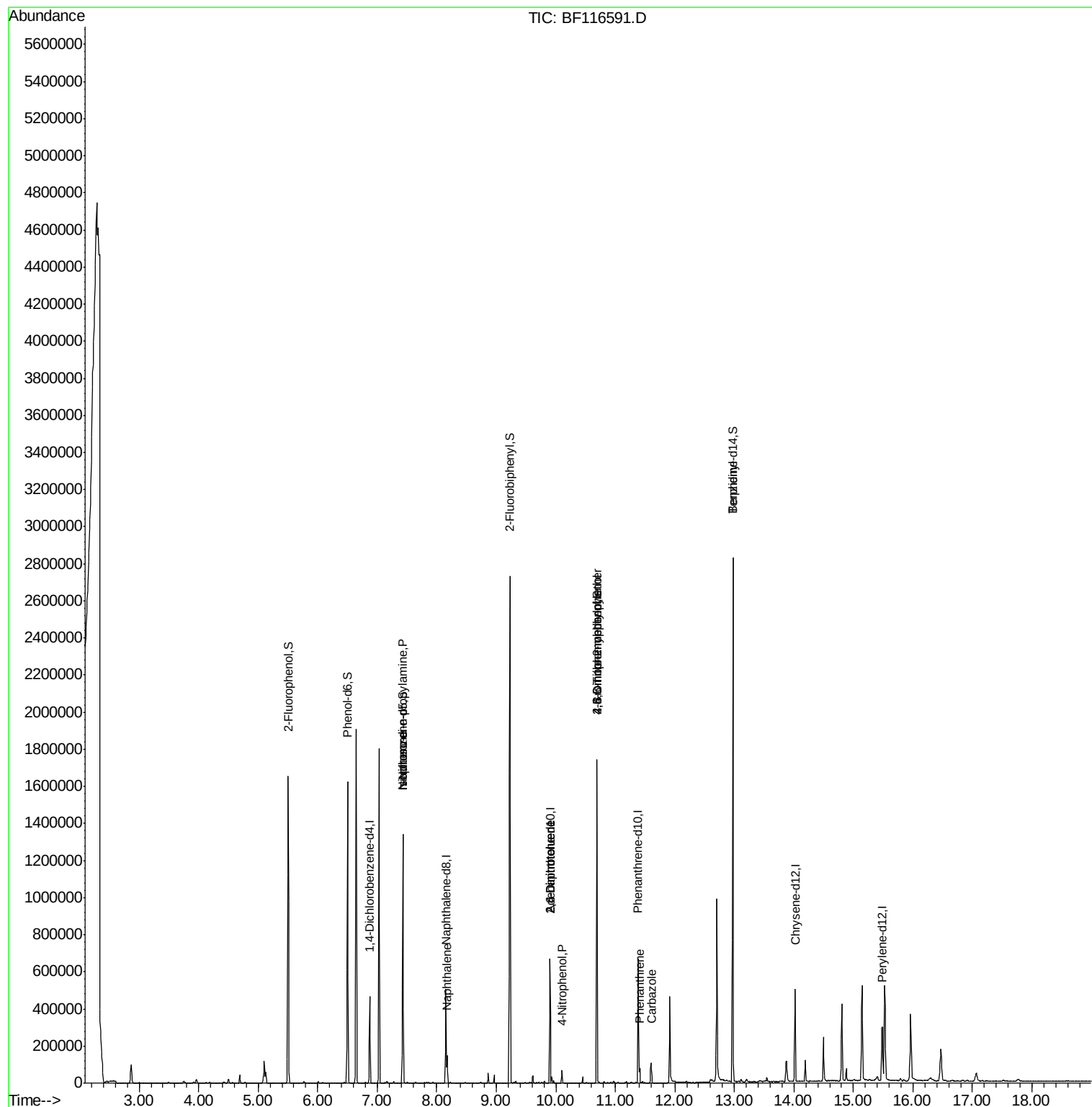
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	59346	17.953	ng	# 76
25) Isophorone	7.43	82	426502	52.624	ng	# 67
31) Naphthalene	8.17	128	55812	5.128	ng	# 98
51) 2,6-Dinitrotoluene	9.90	165	15304	8.972	ng	# 26
56) 4-Nitrophenol	10.10	139	3640	2.303	ng	# 5
57) 2,4-Dinitrotoluene	9.90	165	15304	7.051	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.69	198	331	7.325	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	12798	5.663	ng	# 1
71) Phenanthrene	11.41	178	24899	2.120	ng	# 95
73) Carbazole	11.61	167	26684	2.519	ng	# 99
77) Benizidine	12.97	184	14176	2.325	ng	# 94

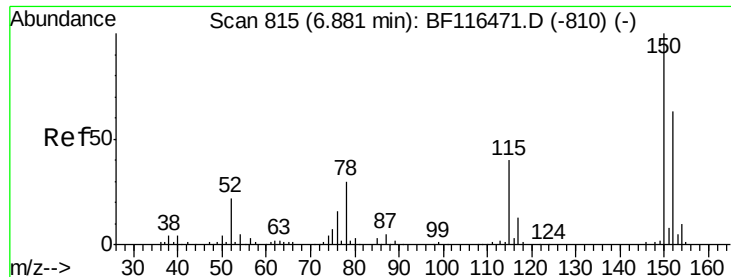
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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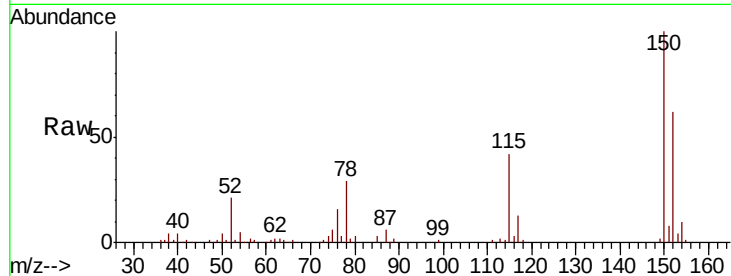


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.2	126.7	190.1
115	67.4	50.9	76.3

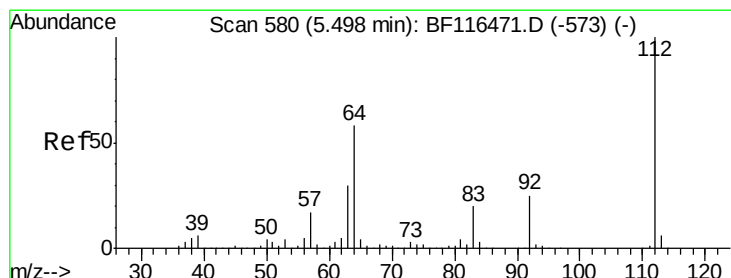
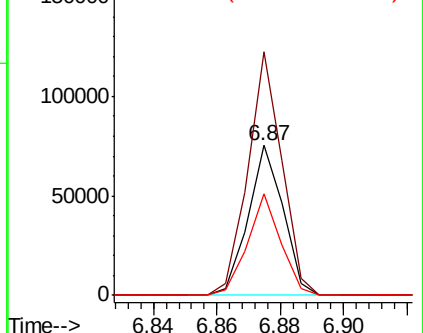
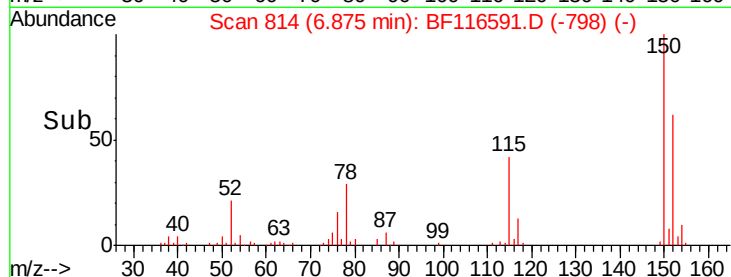


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

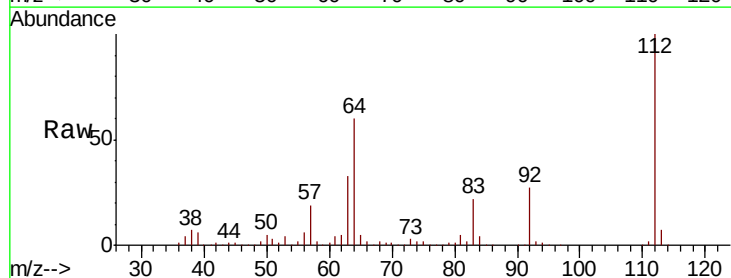
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 112.369 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	46.3	69.5
63	33.0	24.2	36.4

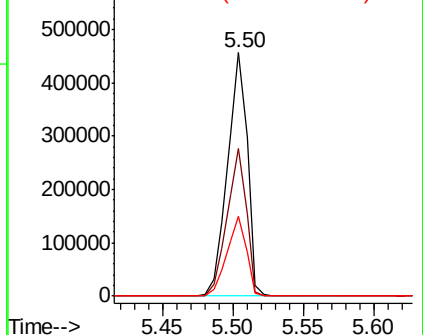
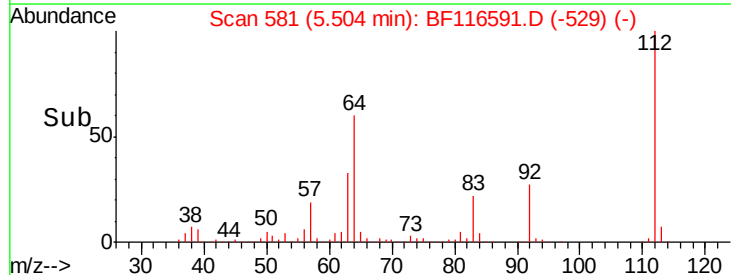


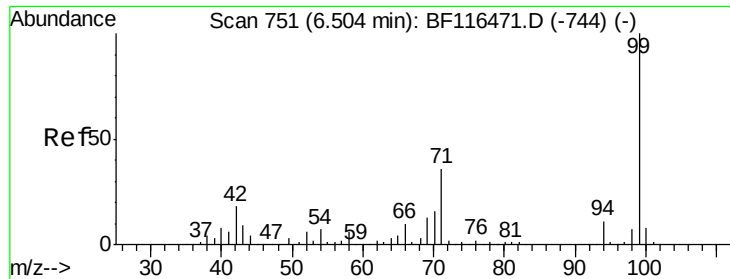
Abundance

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: 107.228 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

Instrument :

BNA_F

ClientSampleId :

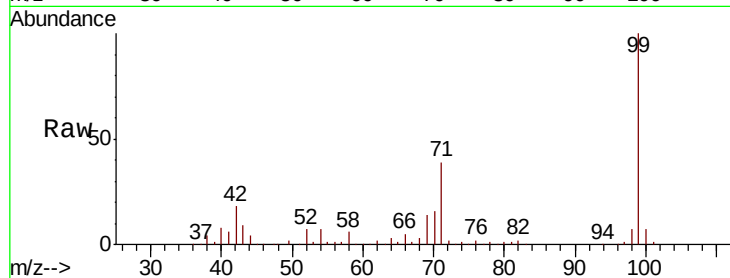
Tot Ion: 99 Resp: 519467

Ion Ratio Lower Upper

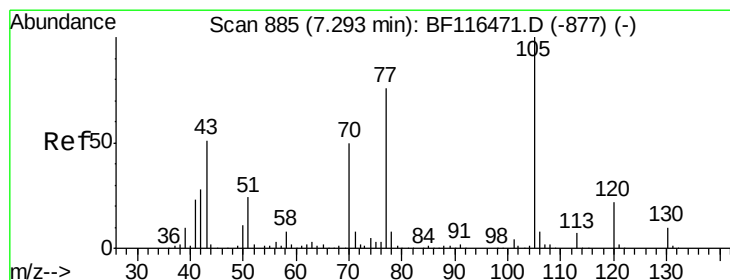
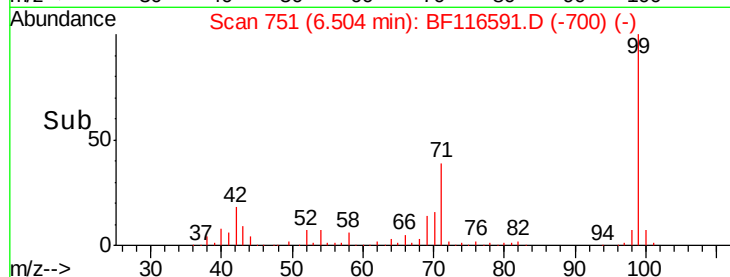
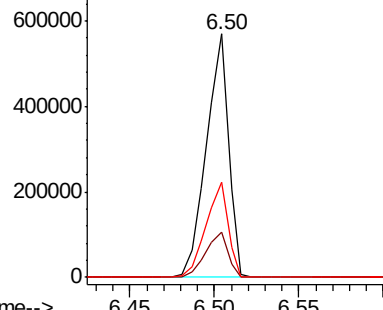
99 100

42 18.4 14.6 21.8

71 38.8 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: 17.953 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

Tgt Ion: 70 Resp: 59346

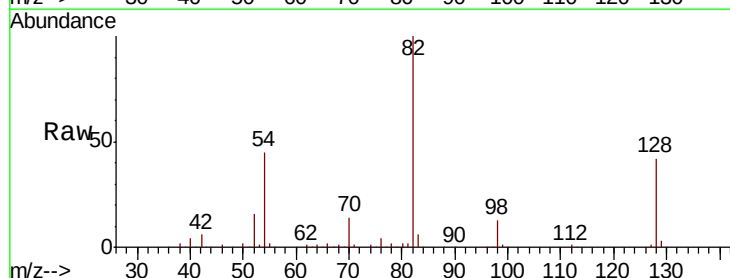
Ion Ratio Lower Upper

70 100

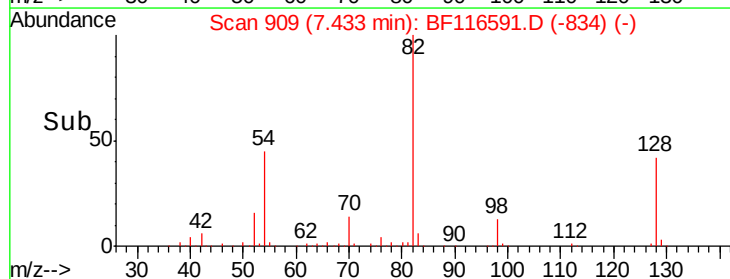
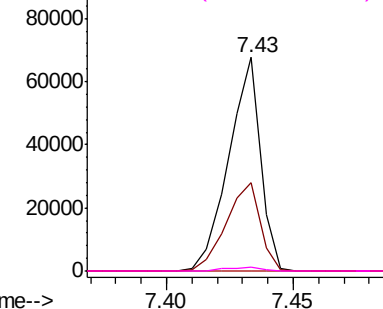
42 41.6 44.4 66.6#

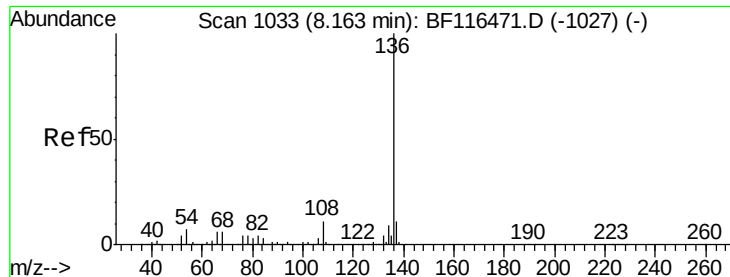
101 0.0 7.1 10.7#

130 1.9 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

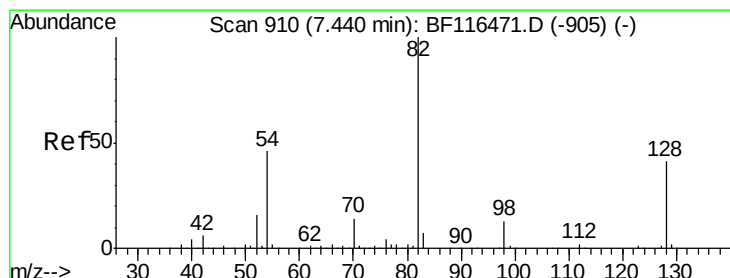
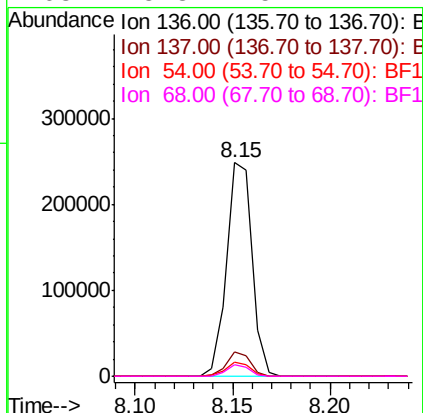
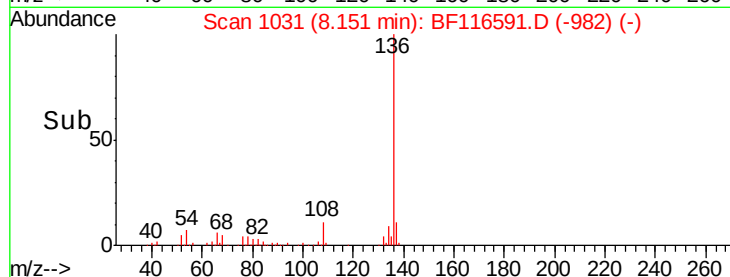
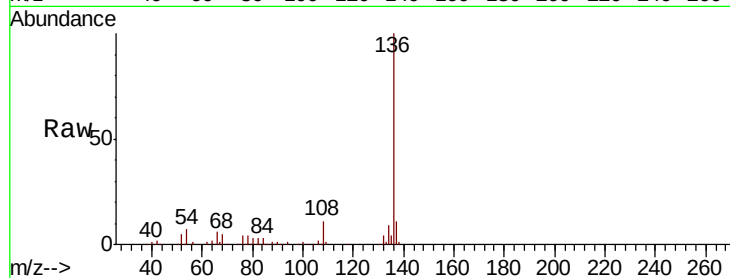




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

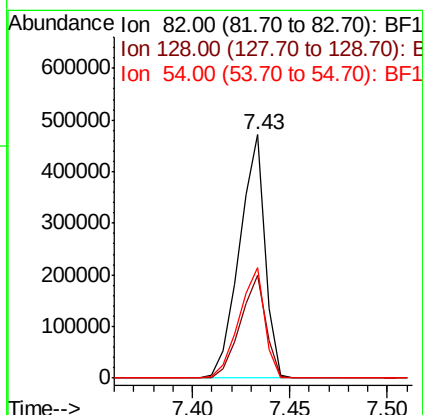
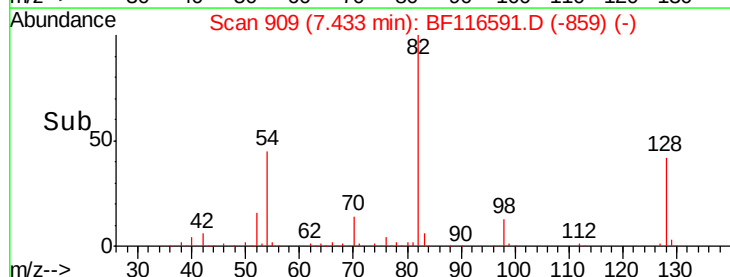
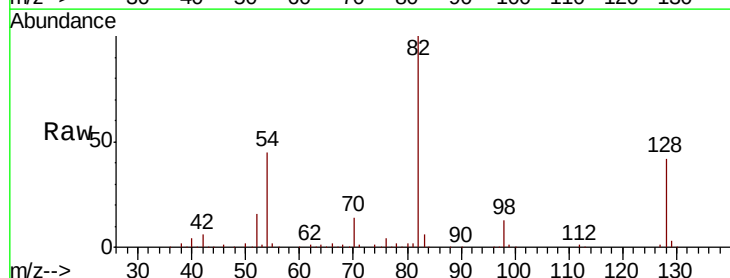
Instrument :
BNA_F
ClientSampleId :

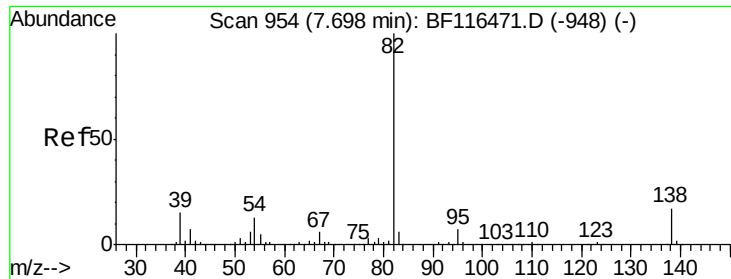
Tot Ion:136	Resp:	225006
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.0 13.4
54	6.9	5.8 8.6
68	5.3	5.1 7.7



#23
Nitrobenzene-d5
Concen: 103.705 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

Tgt Ion: 82	Resp:	426509
Ion Ratio	Lower	Upper
82	100	
128	42.3	32.2 48.4
54	45.3	36.5 54.7





#25

Isophorone

Concen: 52.624 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

Instrument :

BNA_F

ClientSampleId :

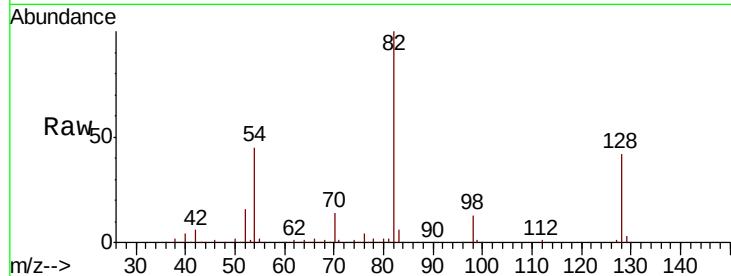
Tot Ion: 82 Resp: 426502

Ion Ratio Lower Upper

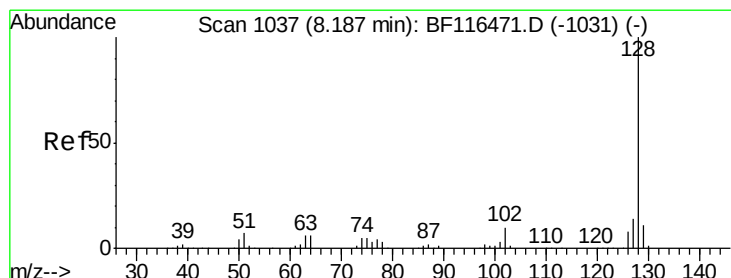
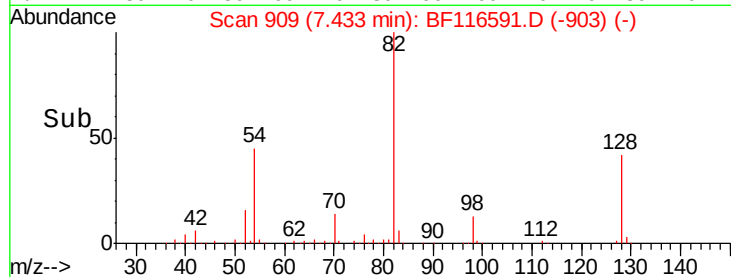
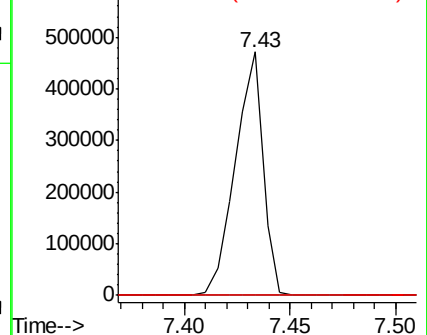
82 100

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



#31

Naphthalene

Concen: 5.128 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

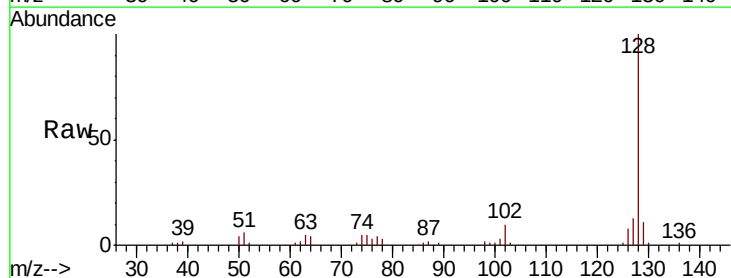
Tgt Ion: 128 Resp: 55812

Ion Ratio Lower Upper

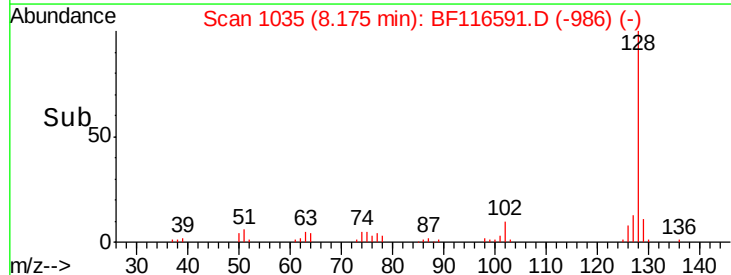
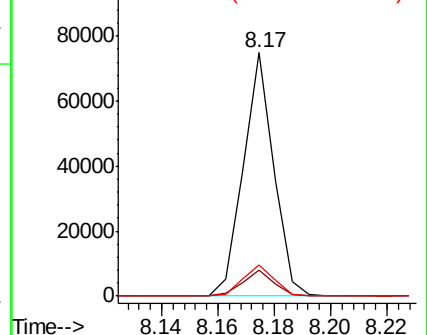
128 100

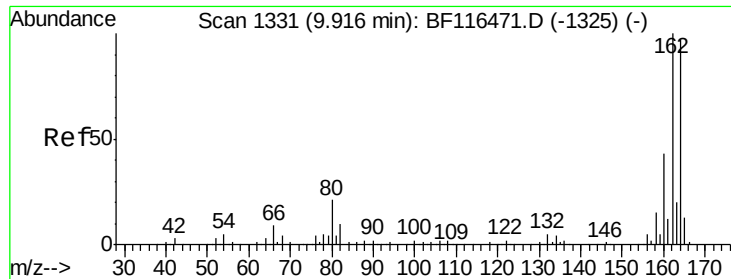
129 10.8 9.0 13.6

127 12.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

Instrument :

BNA_F

ClientSampleId :

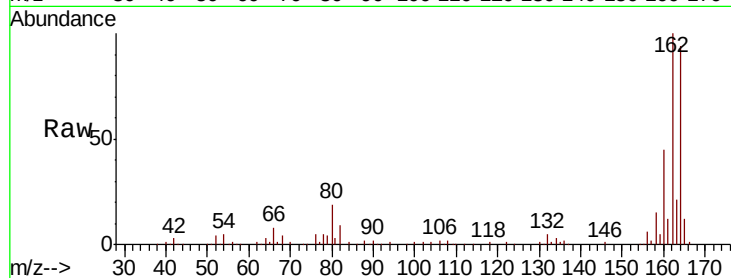
Tot Ion:164 Resp: 119445

Ion Ratio Lower Upper

164 100

162 105.9 82.6 123.8

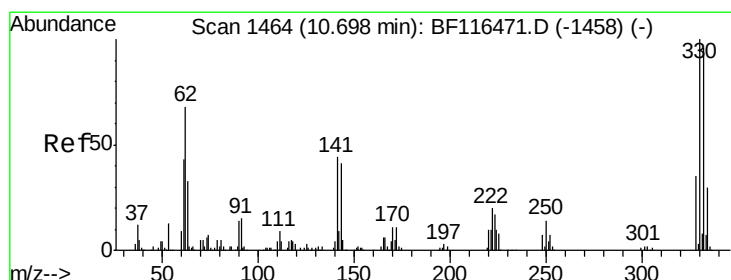
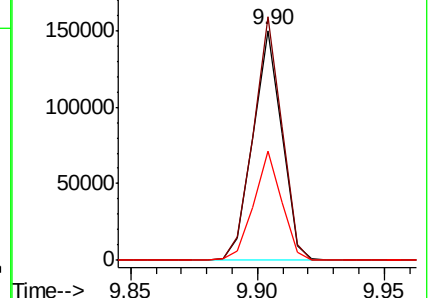
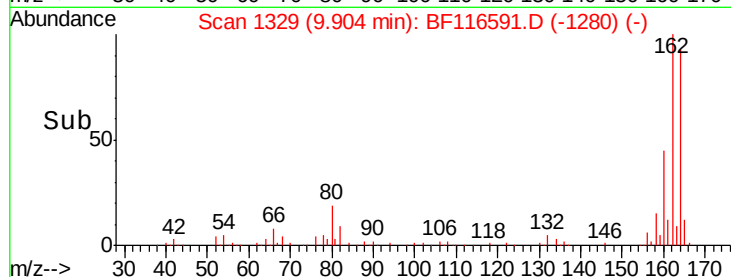
160 47.3 35.8 53.8



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: 178.944 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

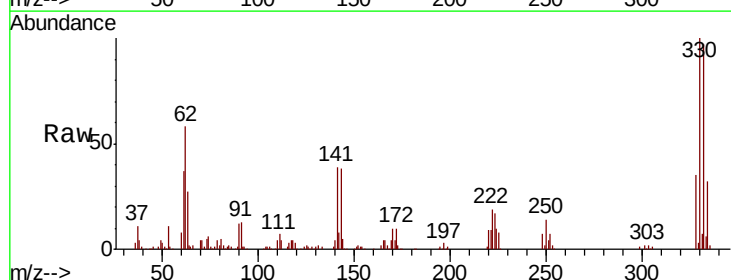
Tgt Ion:330 Resp: 183532

Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

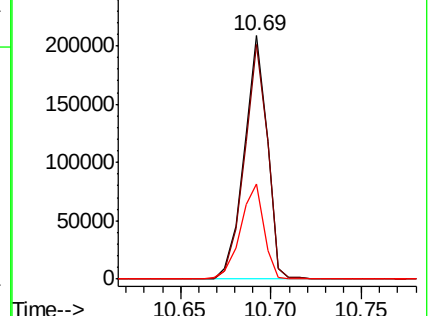
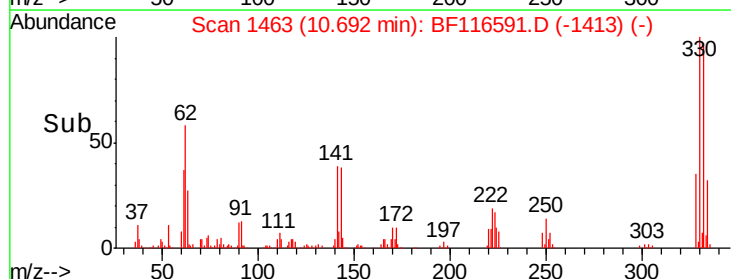
141 39.9 33.3 49.9

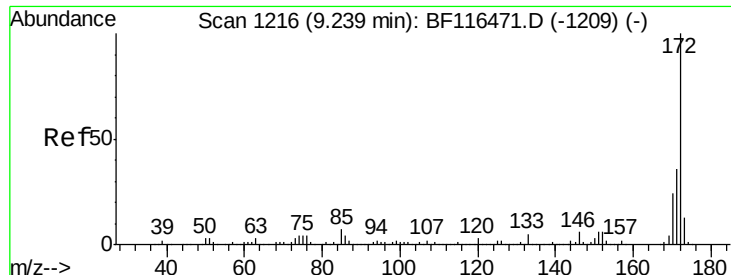


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

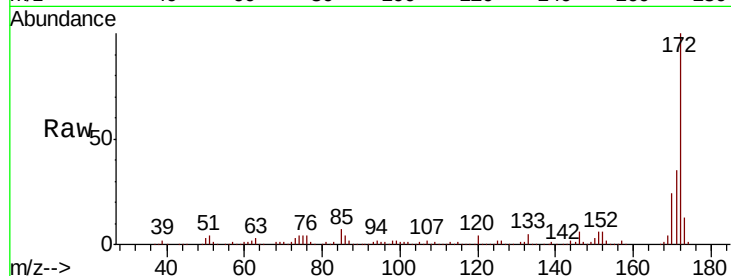




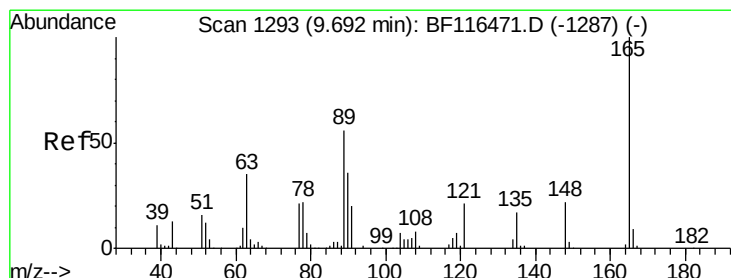
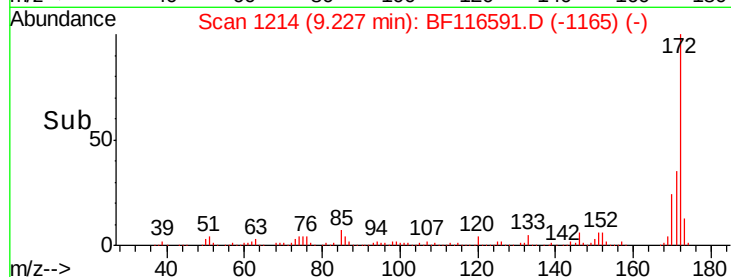
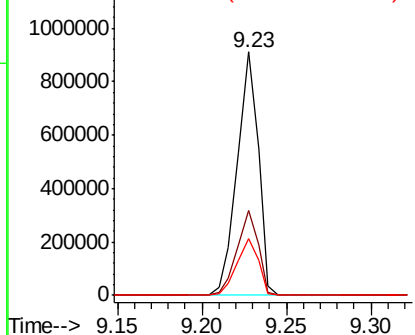
#45
 2-Fluorobiphenyl
 Concen: 106.762 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF116591.D
 Acq: 27 Aug 2019 19:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.9	43.3
170	23.5	19.4	29.0

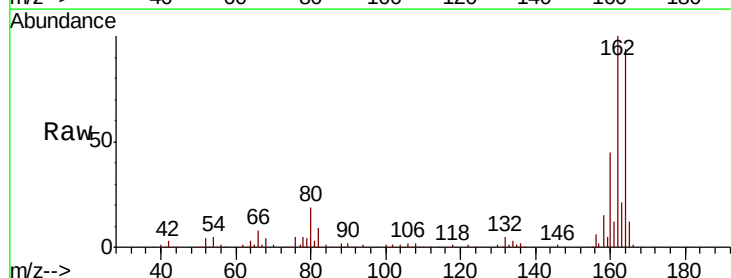


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

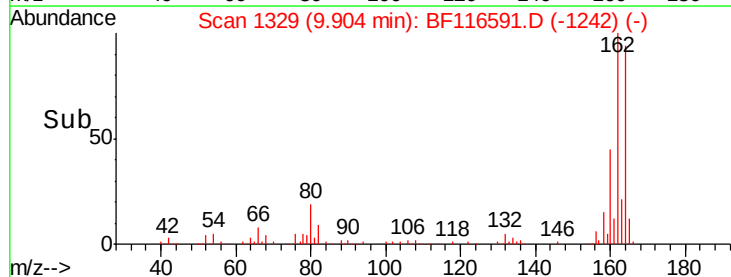
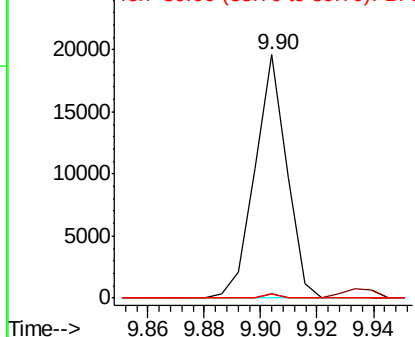


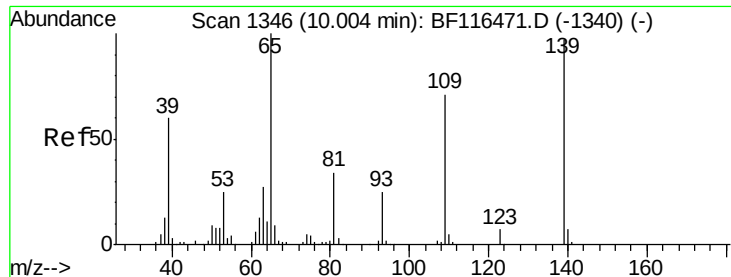
#51
 2,6-Dinitrotoluene
 Concen: 8.972 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.21 min
 Lab File: BF116591.D
 Acq: 27 Aug 2019 19:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.7	65.5#
89	1.8	45.1	67.7#



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

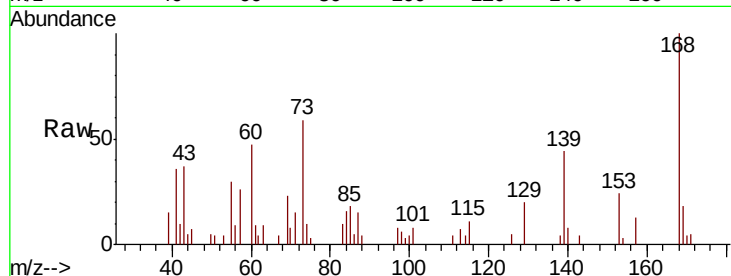




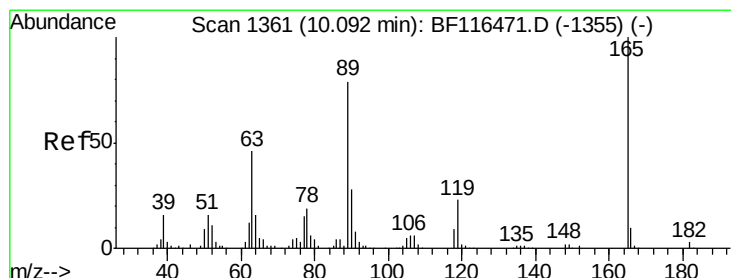
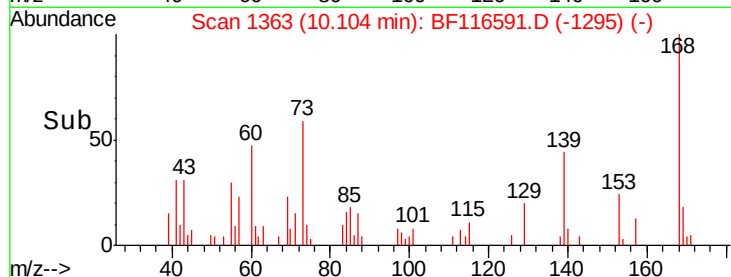
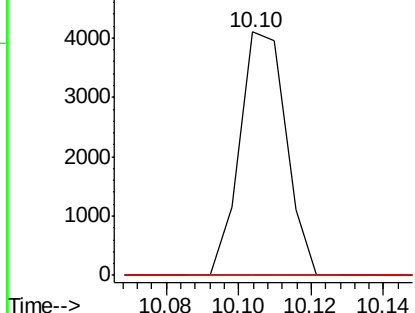
#56
4-Nitrophenol
Concen: 2.303 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.10 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 3640
Ion Ratio Lower Upper
139 100
109 0.0 53.4 93.4#
65 0.0 83.0 123.0#

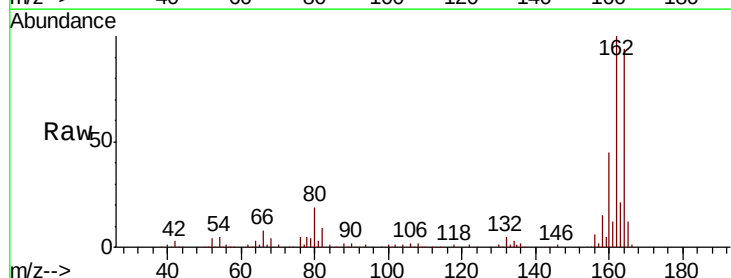


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

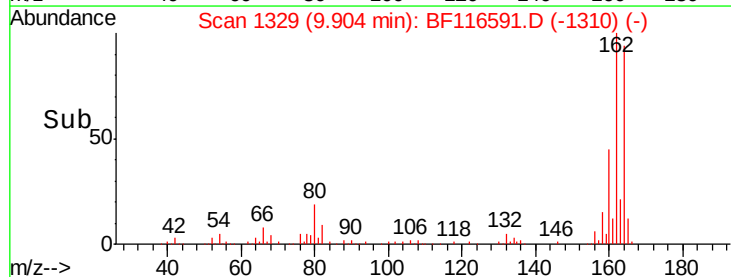
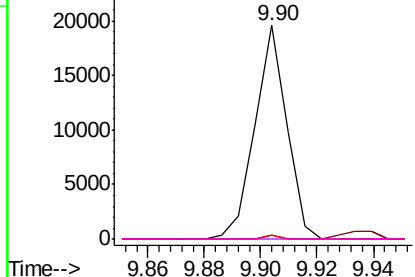


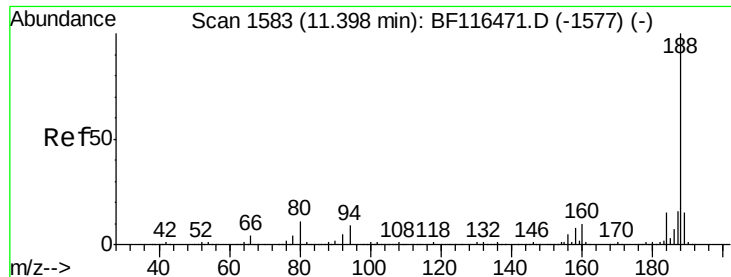
#57
2,4-Dinitrotoluene
Concen: 7.051 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.19 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

Tgt Ion:165 Resp: 15304
Ion Ratio Lower Upper
165 100
63 1.6 36.9 55.3#
89 1.8 63.4 95.0#
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

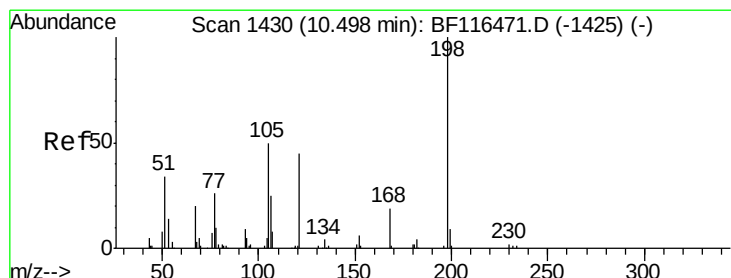
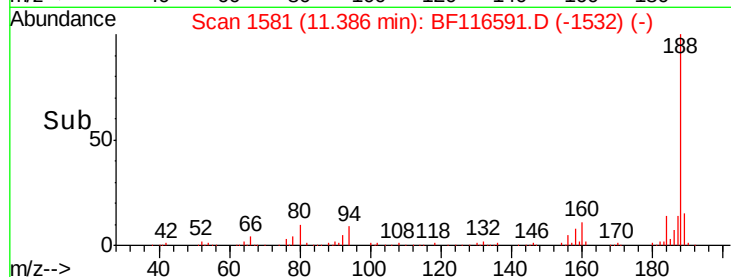
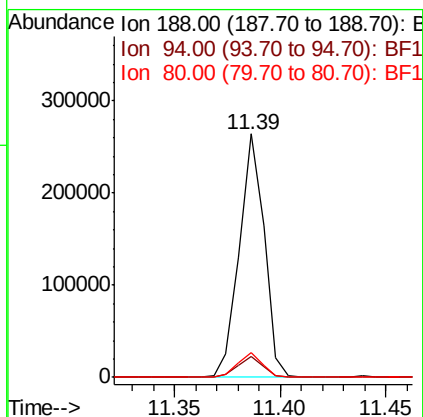
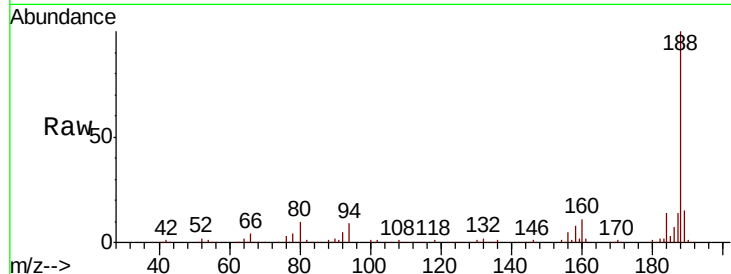




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

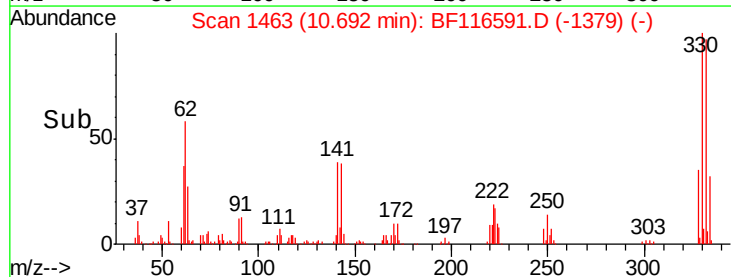
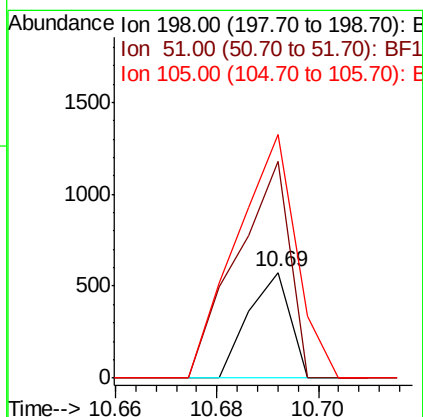
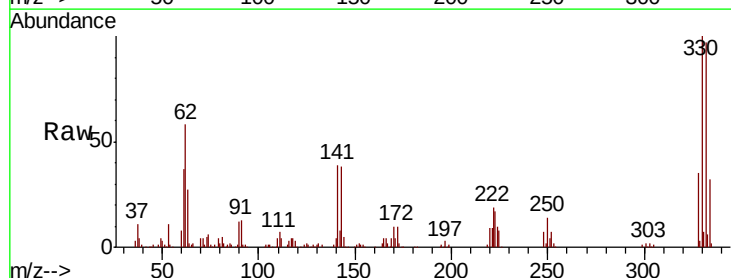
Instrument :
BNA_F
ClientSampleId :

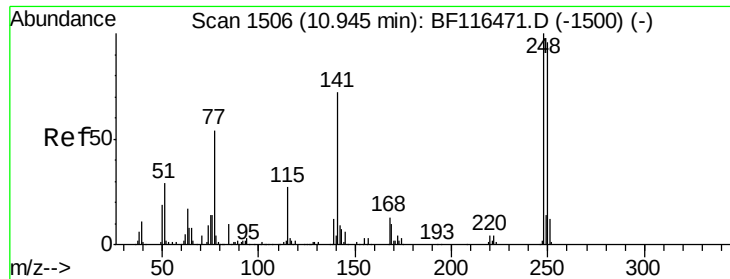
Tot Ion:188 Resp: 215572
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 10.0 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 7.325 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.19 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

Tgt Ion:198 Resp: 331
Ion Ratio Lower Upper
198 100
51 204.7 30.4 70.4#
105 230.3 32.8 72.8#

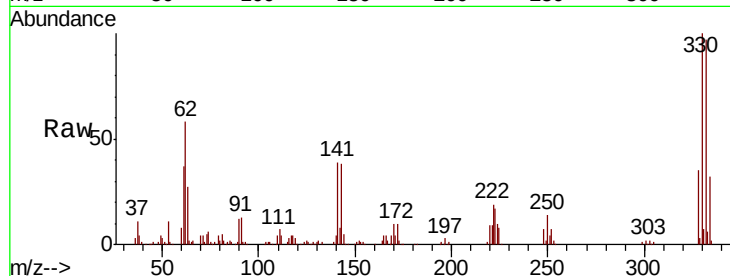




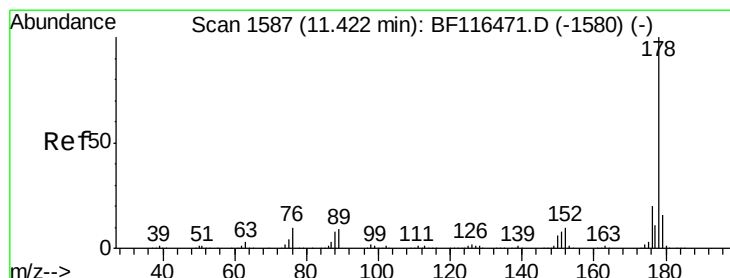
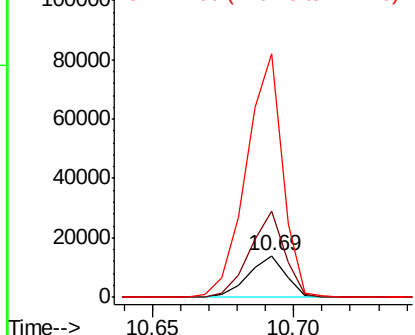
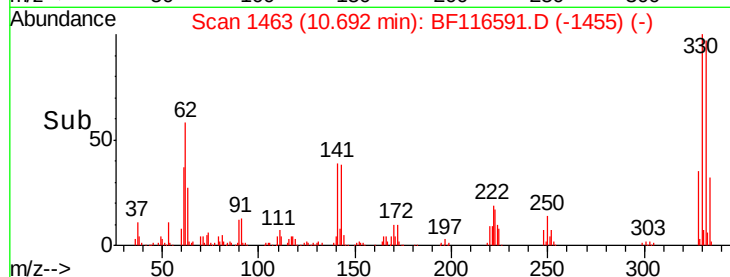
#67
 4-Bromophenyl-phenylether
 Concen: 5.663 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.25 min
 Lab File: BF116591.D
 Acq: 27 Aug 2019 19:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12798
 Ion Ratio Lower Upper
 248 100
 250 206.6 77.0 115.6#
 141 586.6 57.4 86.0#

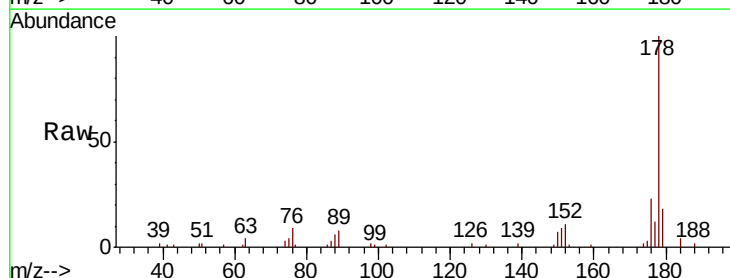


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

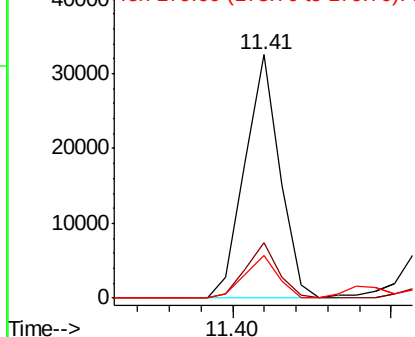
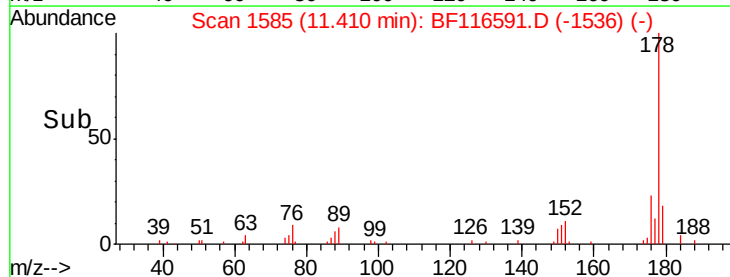


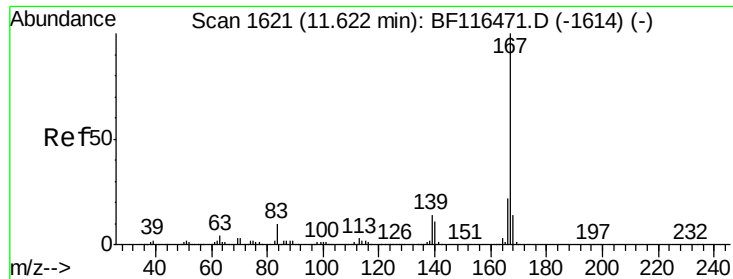
#71
 Phenanthrene
 Concen: 2.120 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF116591.D
 Acq: 27 Aug 2019 19:12

Tgt Ion:178 Resp: 24899
 Ion Ratio Lower Upper
 178 100
 176 22.6 15.8 23.6
 179 17.6 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

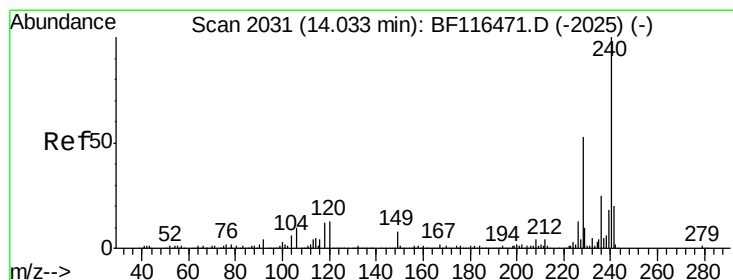
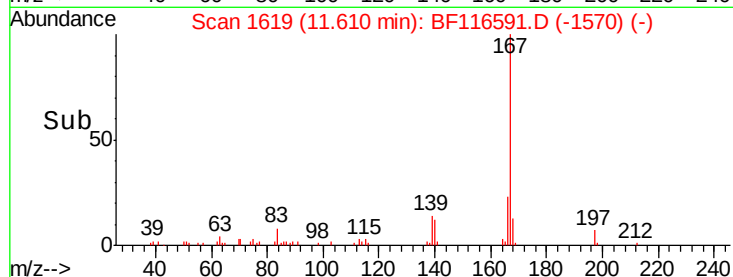
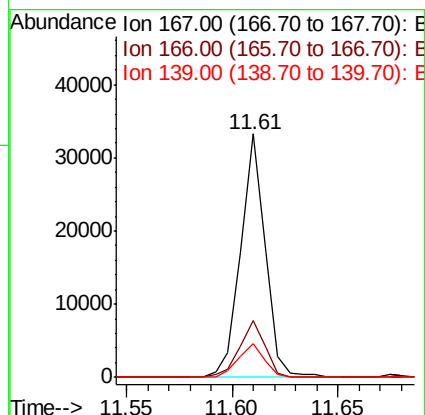
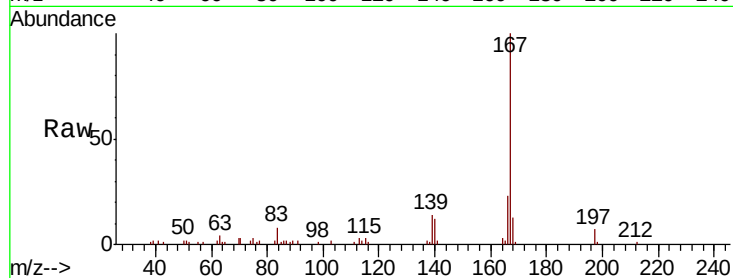




#73
 Carbazole
 Concen: 2.519 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF116591.D
 Acq: 27 Aug 2019 19:12

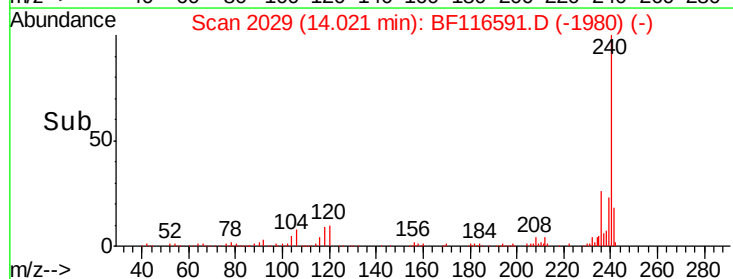
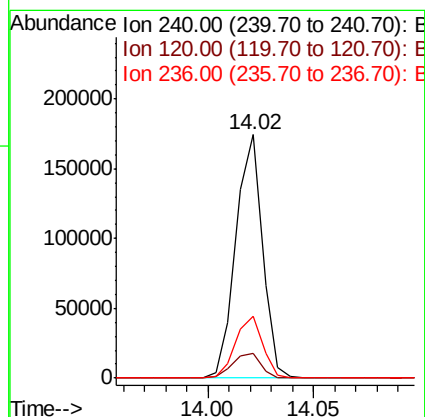
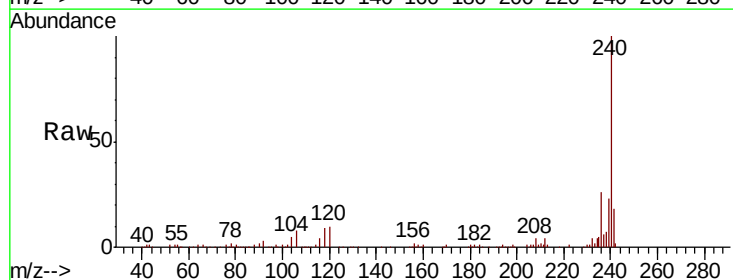
Instrument :
 BNA_F
 ClientSampleId :

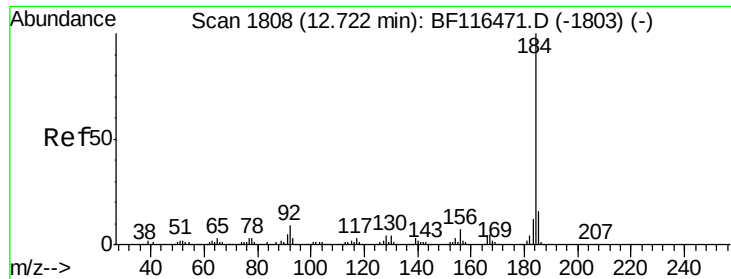
Tot Ion:167 Resp: 26684
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.8 26.6
 139 13.7 10.9 16.3



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF116591.D
 Acq: 27 Aug 2019 19:12

Tgt Ion:240 Resp: 151523
 Ion Ratio Lower Upper
 240 100
 120 10.0 10.5 15.7#
 236 25.6 20.2 30.2





#77

Benzidine

Concen: 2.325 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.25 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

Instrument :

BNA_F

ClientSampleId :

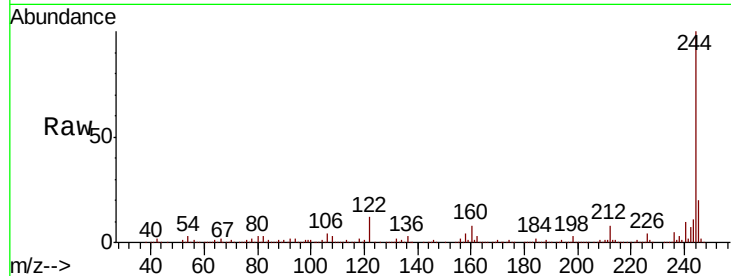
Tot Ion:184 Resp: 14176

Ion Ratio Lower Upper

184 100

185 15.2 13.0 19.4

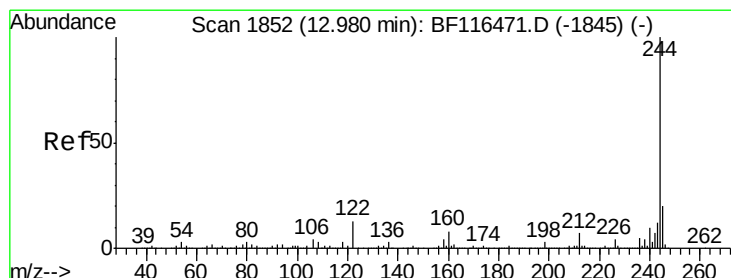
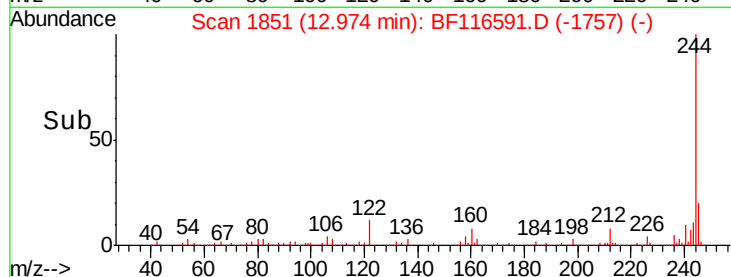
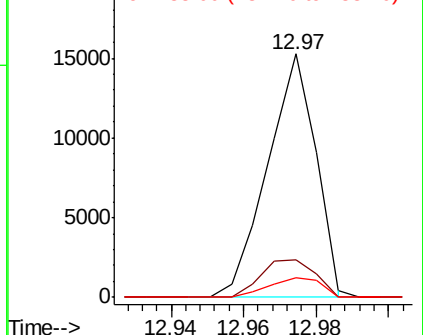
183 8.0 9.8 14.6#



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: 115.058 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF116591.D

Acq: 27 Aug 2019 19:12

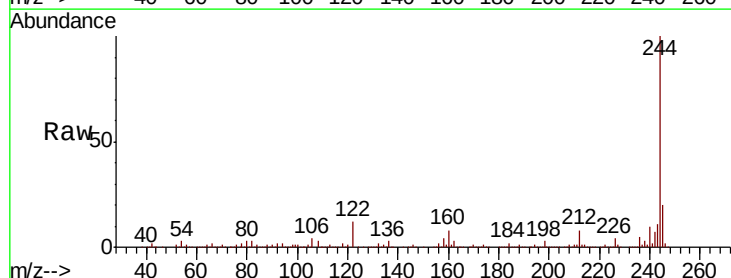
Tgt Ion:244 Resp: 933346

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

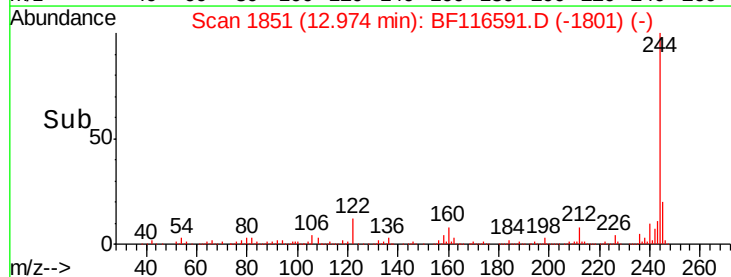
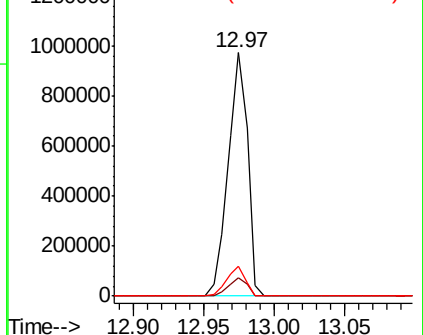
122 12.3 10.2 15.4

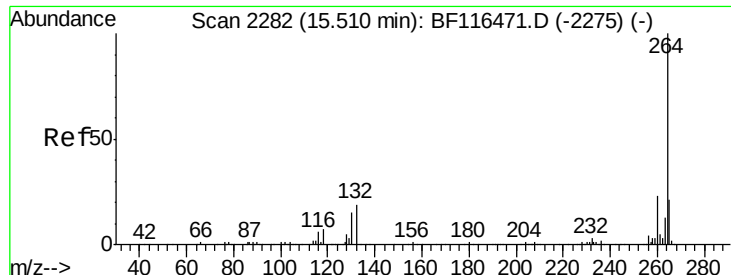


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF116591.D
Acq: 27 Aug 2019 19:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.6	17.1	25.7

