

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101419\
 Data File : BF117403.D
 Acq On : 14 Oct 2019 17:53
 Operator : JU
 Sample : PB123882BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 15 01:10:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 14 19:03:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	58183	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	236062	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	125403	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	214768	20.00	ng	0.00
76) Chrysene-d12	13.96	240	152752	20.00	ng	0.00
87) Perylene-d12	15.42	264	137650	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	296516	78.41	ng	0.00
7) Phenol-d6	6.43	99	261176	52.06	ng	0.00
23) Nitrobenzene-d5	7.36	82	436099	93.65	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	103934	101.83	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	741906	86.25	ng	0.00
79) Terphenyl-d14	12.90	244	820141	87.53	ng	0.00

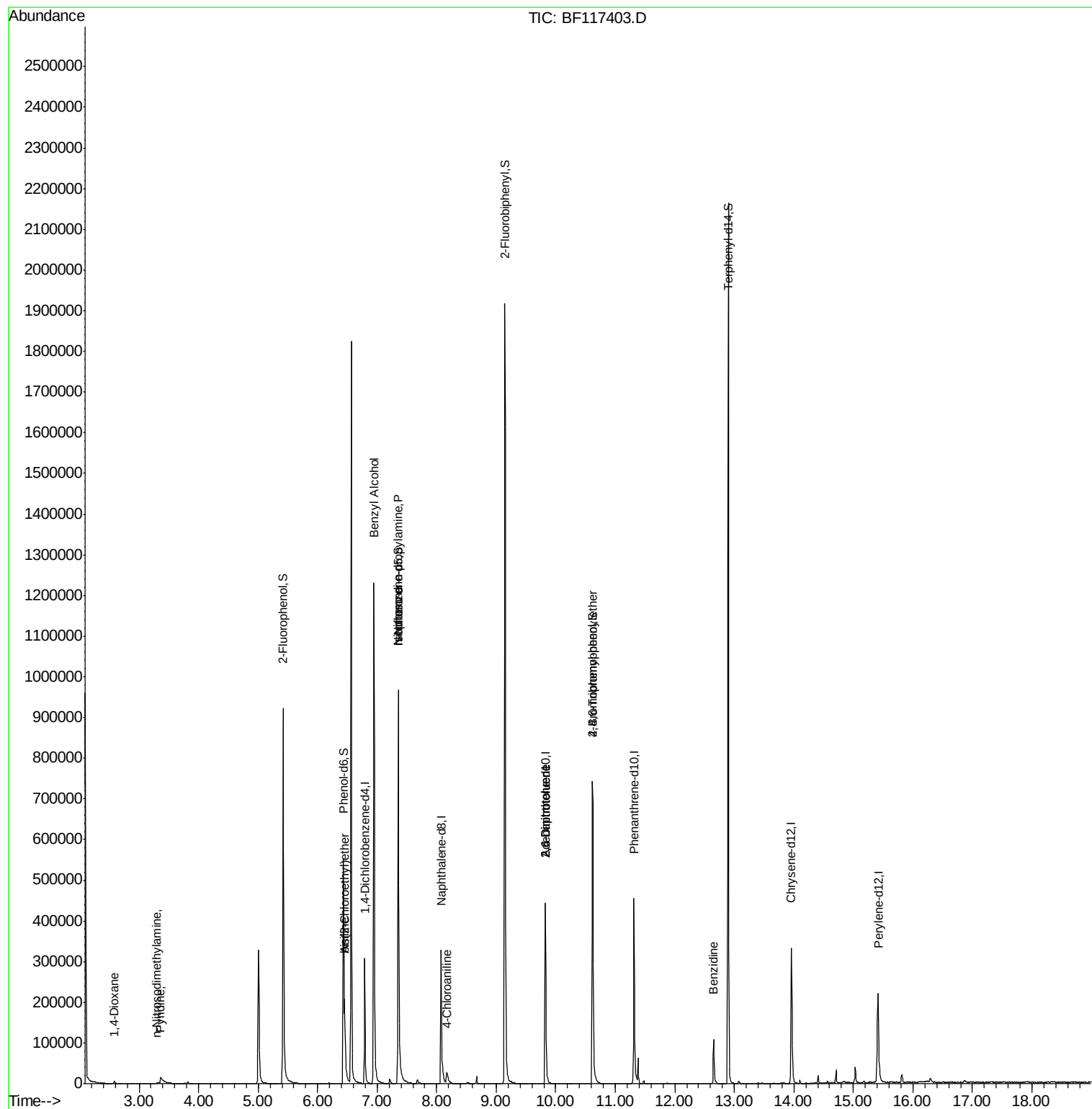
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.58	88	5207	3.345	ng	# 90
3) Pyridine	3.36	79	27951	7.055	ng	# 98
4) n-Nitrosodimethylamine	3.30	42	3059	2.191	ng	# 91
6) Aniline	6.46	93	64300	10.259	ng	# 73
9) Benzaldehyde	6.46	77	565	Below Cal		# 1
11) bis(2-Chloroethyl)ether	6.46	93	64300	15.614	ng	# 27
15) Benzyl Alcohol	6.95	79	17484	4.555	ng	# 43
19) n-Nitroso-di-n-propylamine	7.36	70	57876	18.092	ng	# 76
25) Isophorone	7.36	82	436096	52.569	ng	# 67
33) 4-Chloroaniline	8.17	127	24201	4.834	ng	# 98
51) 2,6-Dinitrotoluene	9.83	165	15726	8.307	ng	# 23
57) 2,4-Dinitrotoluene	9.83	165	15726	6.296	ng	# 13
67) 4-Bromophenyl-phenylether	10.62	248	6814	2.893	ng	# 1
77) Benzidine	12.65	184	59803	15.830	ng	# 96

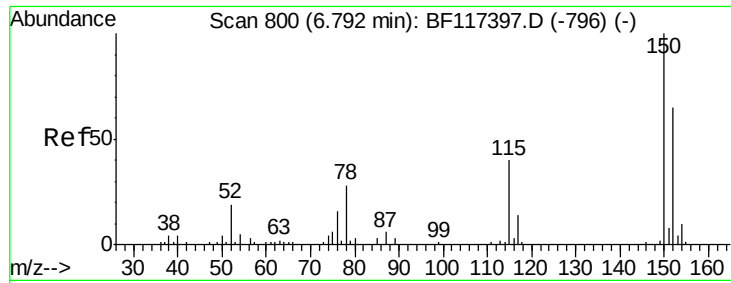
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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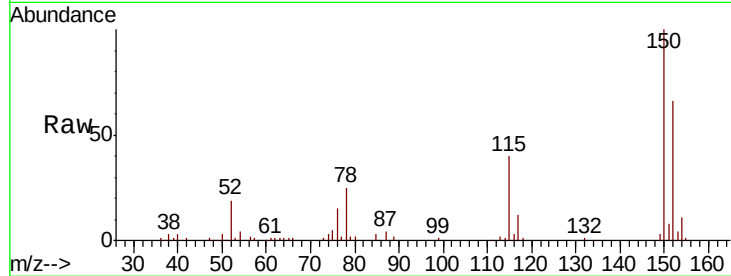


#1

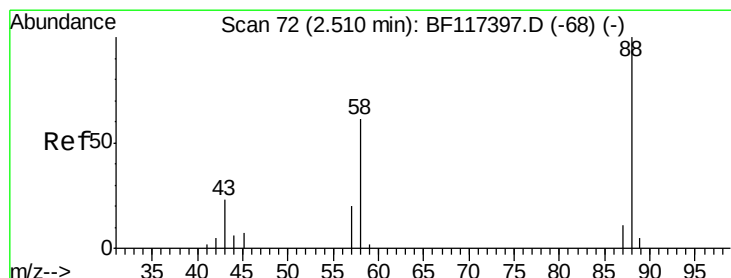
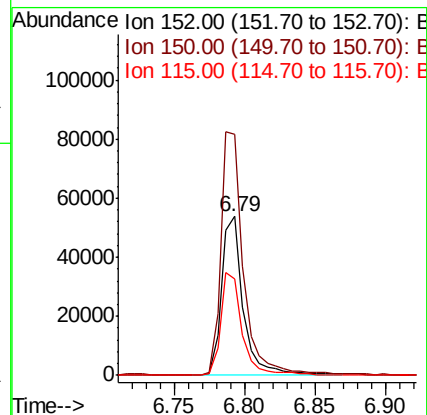
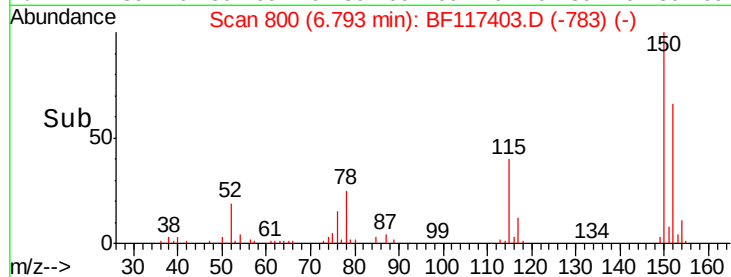
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF117403.D
Acq: 14 Oct 2019 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 58183
Ion Ratio Lower Upper
152 100
150 151.8 122.7 184.1
115 60.8 48.6 73.0



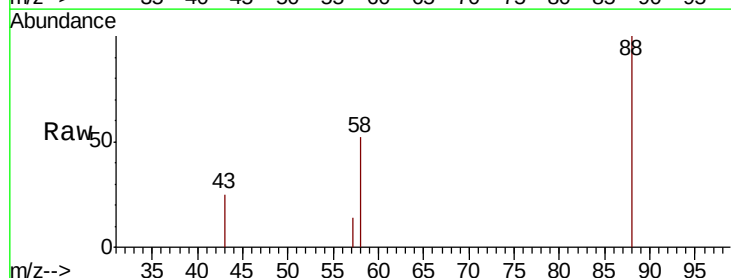
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



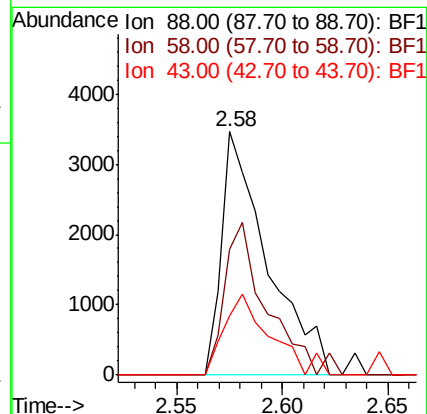
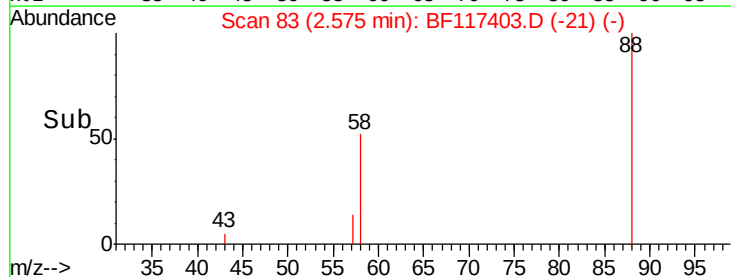
#2

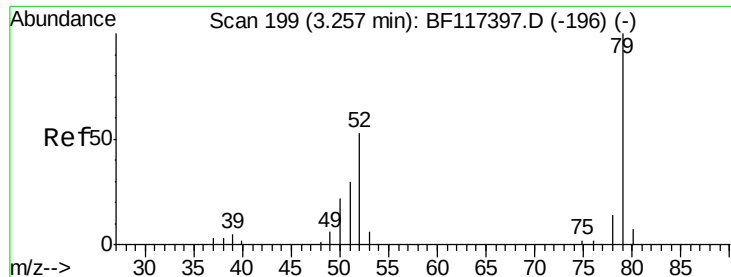
1,4-Dioxane
Concen: 3.345 ng
RT: 2.58 min Scan# 83
Delta R.T. 0.06 min
Lab File: BF117403.D
Acq: 14 Oct 2019 17:53

Tgt Ion: 88 Resp: 5207
Ion Ratio Lower Upper
88 100
58 57.7 49.4 74.2
43 33.8 18.1 27.1#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 7.055 ng

RT: 3.36 min Scan# 217

Delta R.T. 0.11 min

Lab File: BF117403.D

Acq: 14 Oct 2019 17:53

Instrument :

BNA_F

ClientSampleId :

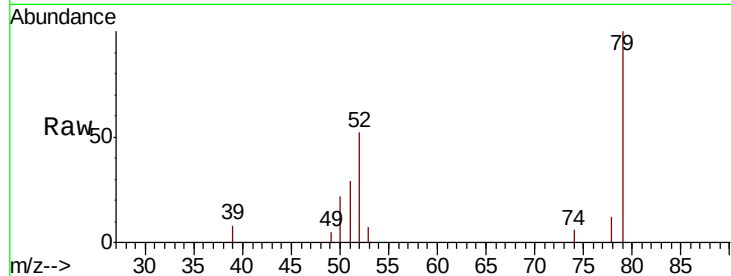
Tot Ion: 79 Resp: 27951

Ion Ratio Lower Upper

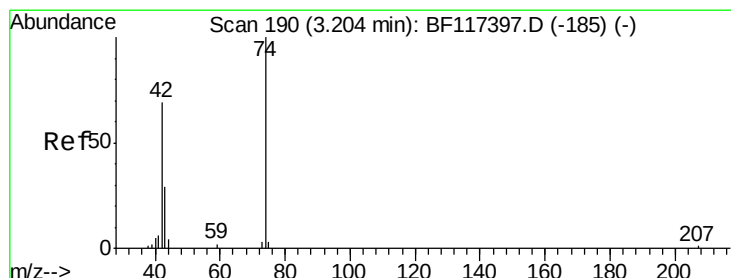
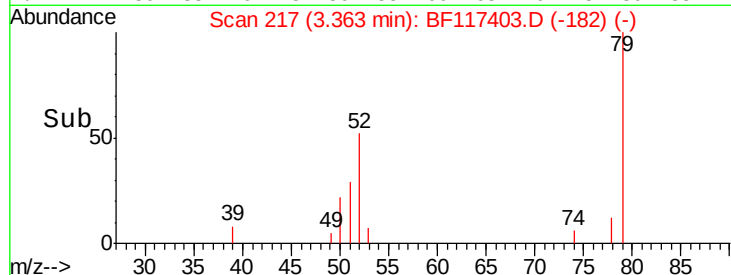
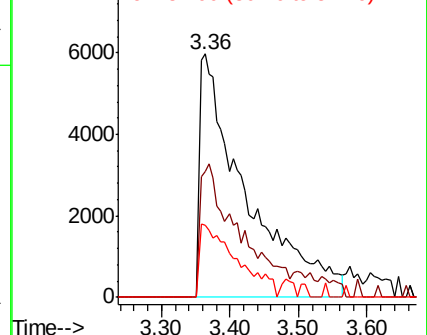
79 100

52 51.8 42.7 64.1

51 29.4 23.8 35.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 2.191 ng

RT: 3.30 min Scan# 206

Delta R.T. 0.09 min

Lab File: BF117403.D

Acq: 14 Oct 2019 17:53

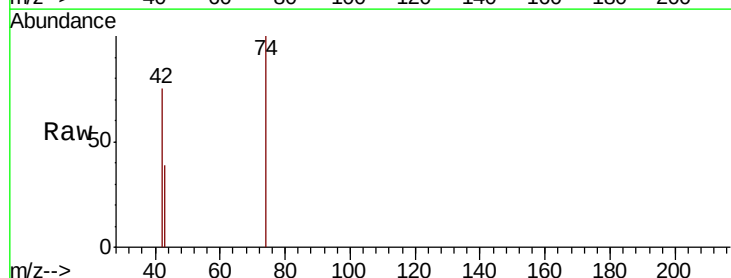
Tgt Ion: 42 Resp: 3059

Ion Ratio Lower Upper

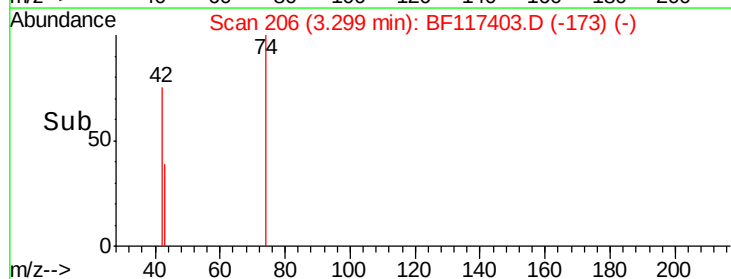
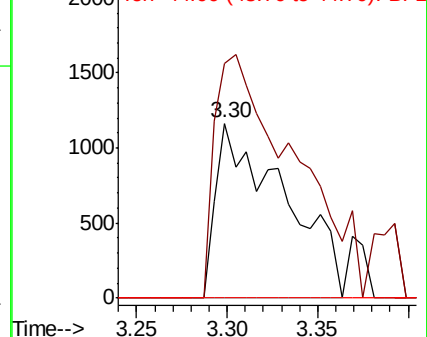
42 100

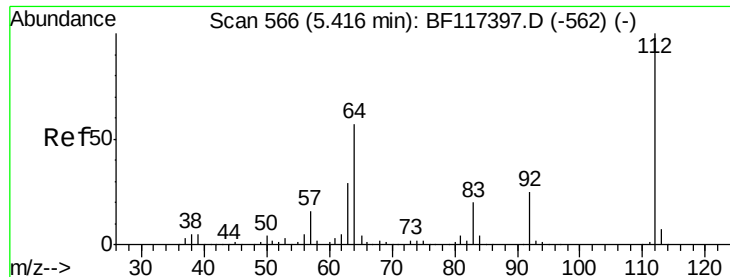
74 134.1 116.2 174.4

44 0.0 4.2 6.4#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 78.413 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF117403.D

Acq: 14 Oct 2019 17:53

Instrument :

BNA_F

ClientSampleId :

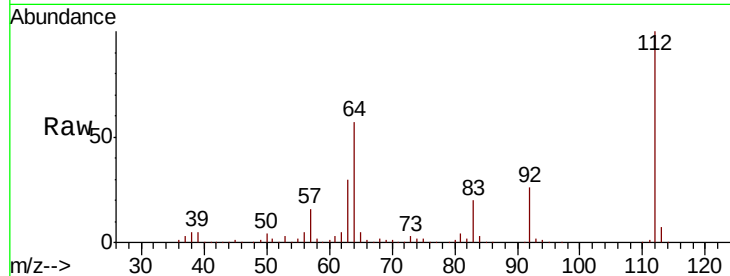
Tot Ion:112 Resp: 296516

Ion Ratio Lower Upper

112 100

64 57.2 45.2 67.8

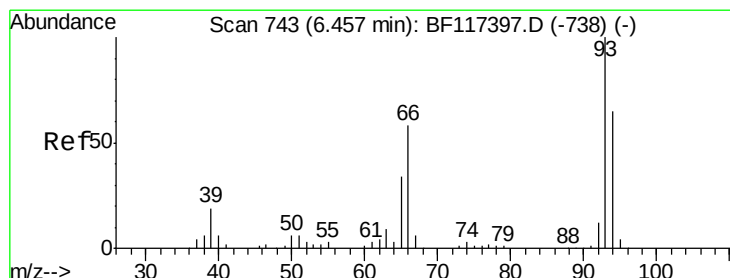
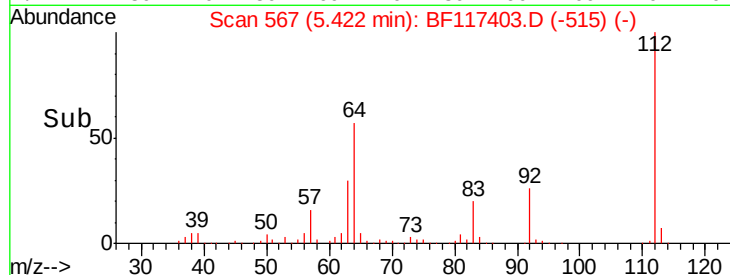
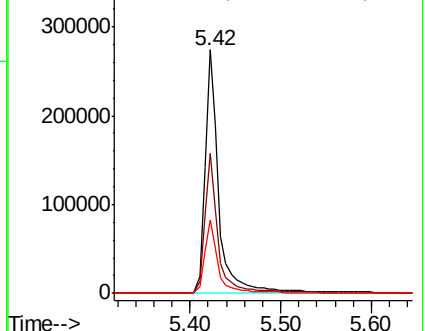
63 30.0 23.4 35.2



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



#6

Aniline

Concen: 10.259 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117403.D

Acq: 14 Oct 2019 17:53

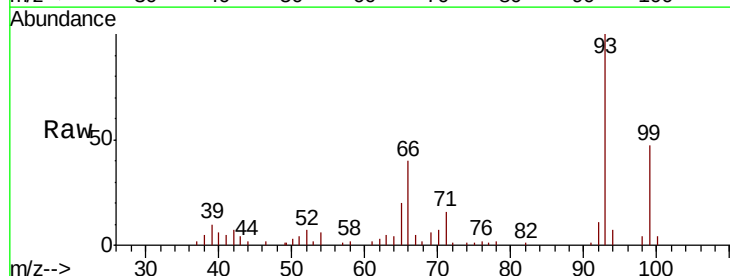
Tgt Ion: 93 Resp: 64300

Ion Ratio Lower Upper

93 100

66 39.6 48.4 72.6#

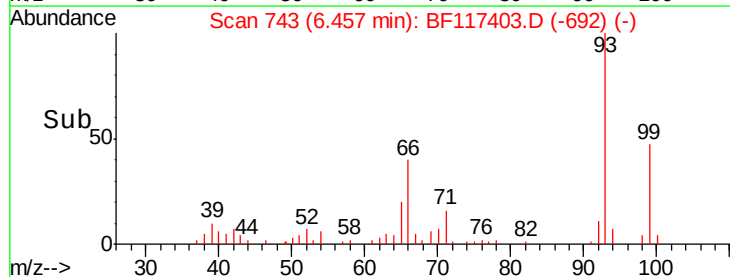
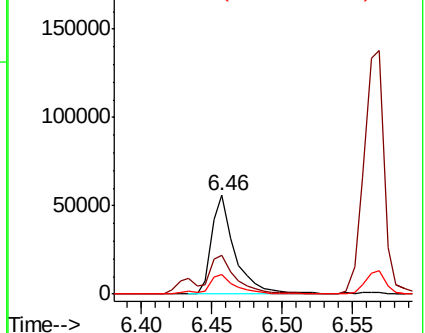
65 19.6 27.8 41.6#

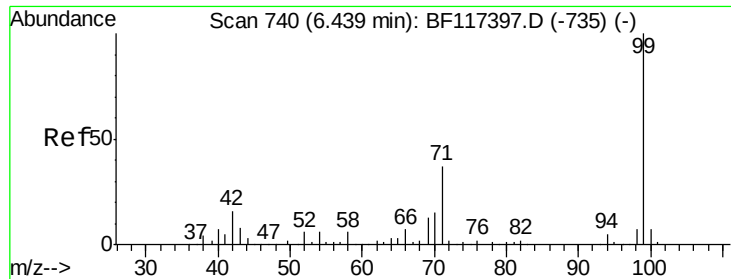


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 52.055 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF117403.D

Acq: 14 Oct 2019 17:53

Instrument :

BNA_F

ClientSampleId :

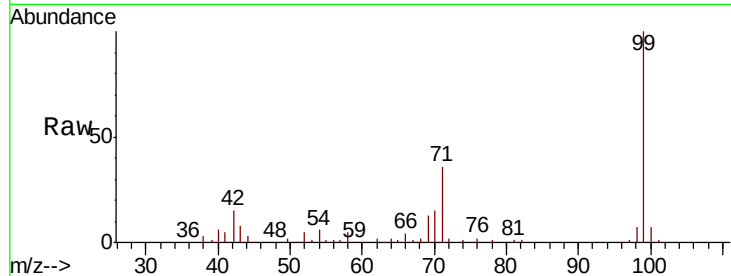
Tot Ion: 99 Resp: 261176

Ion Ratio Lower Upper

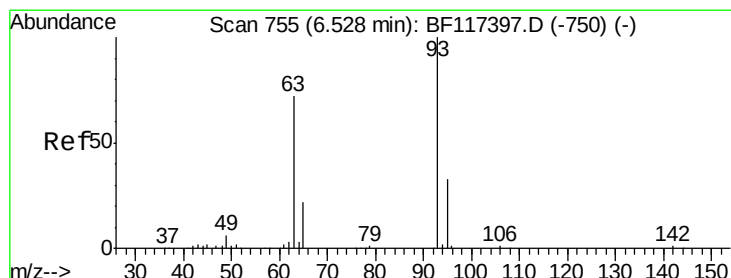
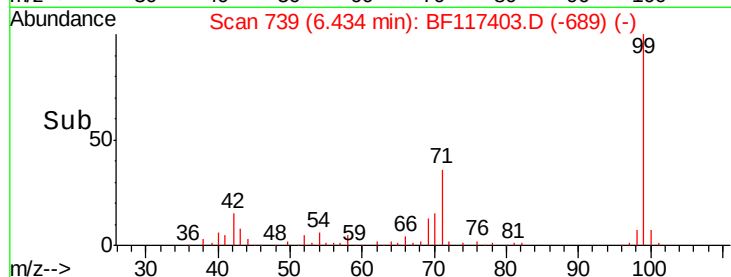
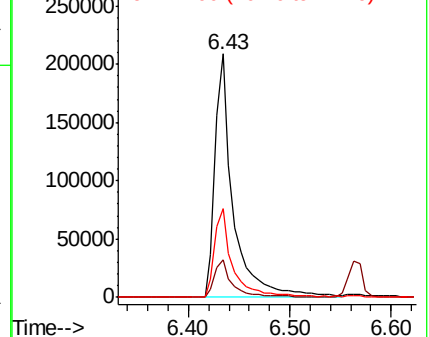
99 100

42 15.4 12.5 18.7

71 36.4 29.2 43.8



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



#11

bis(2-Chloroethyl)ether

Concen: 15.614 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.07 min

Lab File: BF117403.D

Acq: 14 Oct 2019 17:53

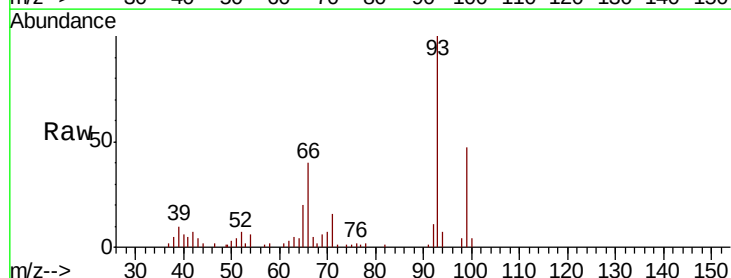
Tgt Ion: 93 Resp: 64300

Ion Ratio Lower Upper

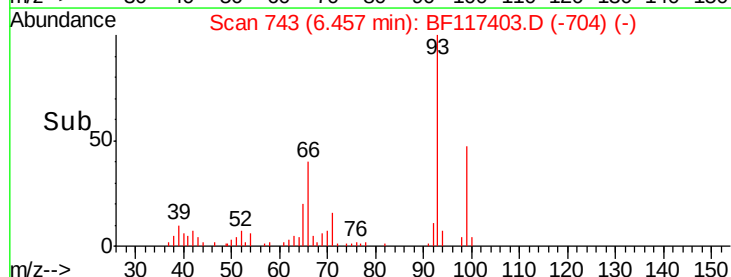
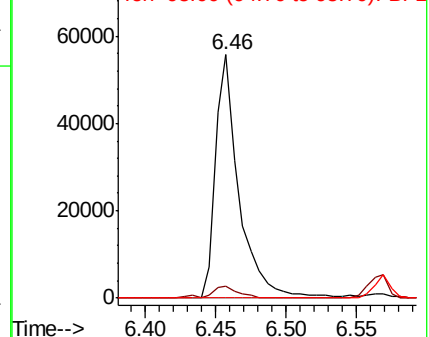
93 100

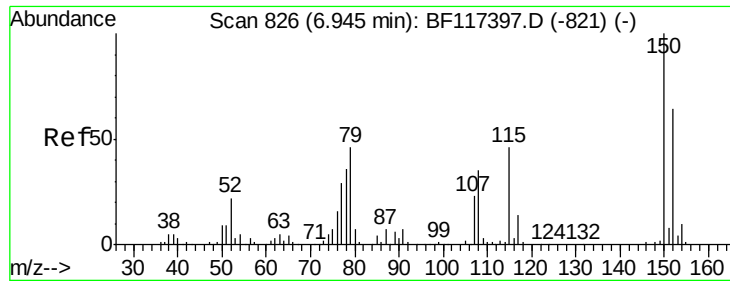
63 5.0 50.9 90.9#

95 0.0 12.4 52.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 4.555 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF117403.D

Acq: 14 Oct 2019 17:53

Instrument :

BNA_F

ClientSampled :

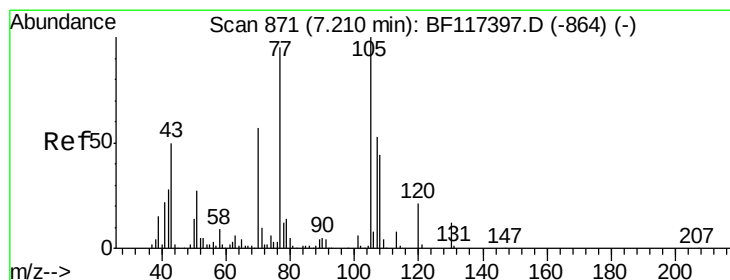
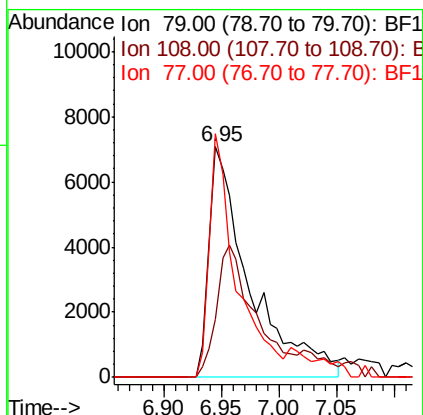
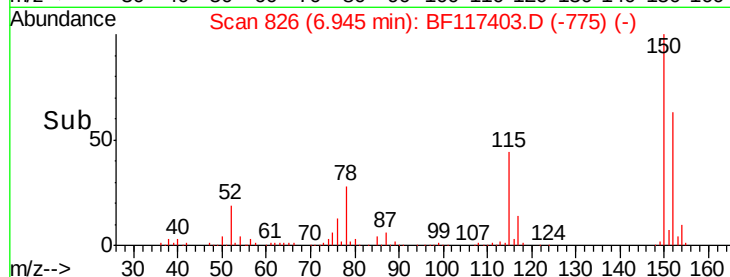
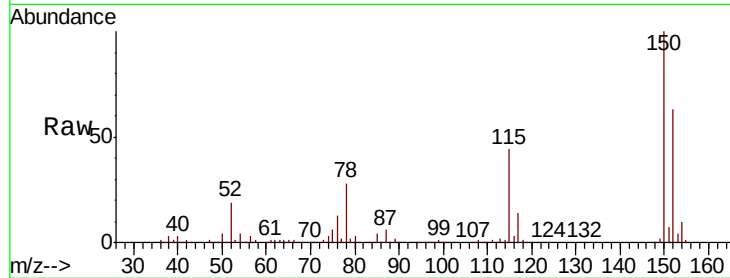
Tot Ion: 79 Resp: 17484

Ion Ratio Lower Upper

79 100

108 25.1 60.4 90.6#

77 105.8 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 18.092 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF117403.D

Acq: 14 Oct 2019 17:53

Tgt Ion: 70 Resp: 57876

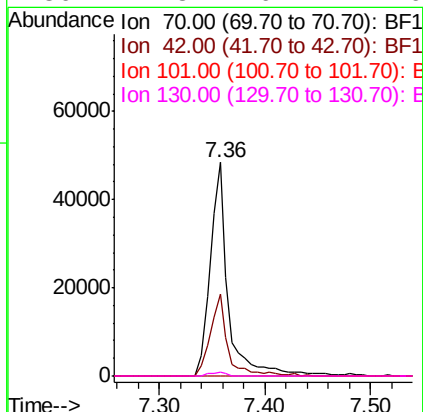
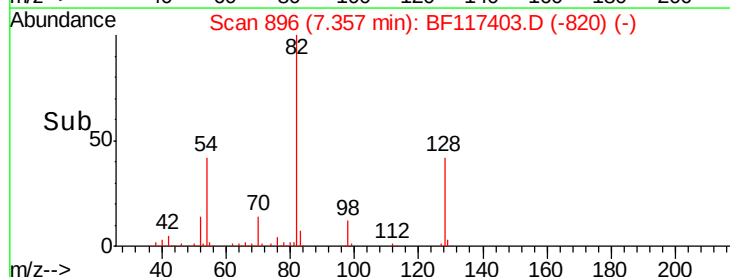
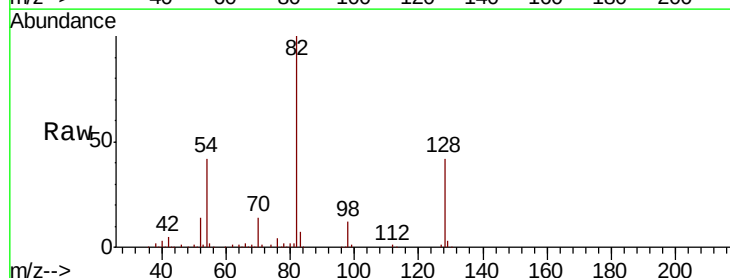
Ion Ratio Lower Upper

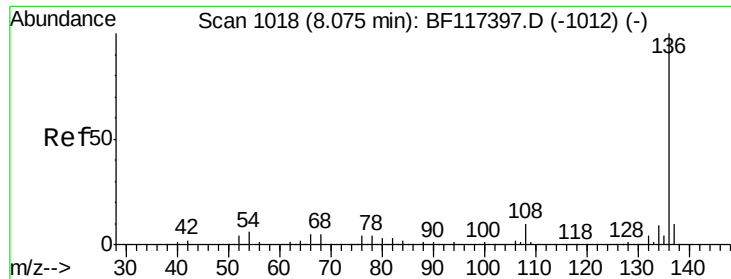
70 100

42 38.1 39.8 59.8#

101 0.0 8.1 12.1#

130 1.8 16.4 24.6#

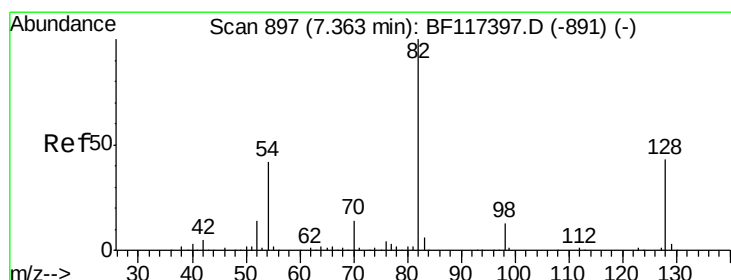
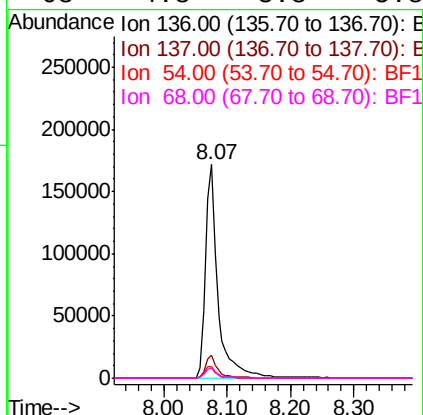
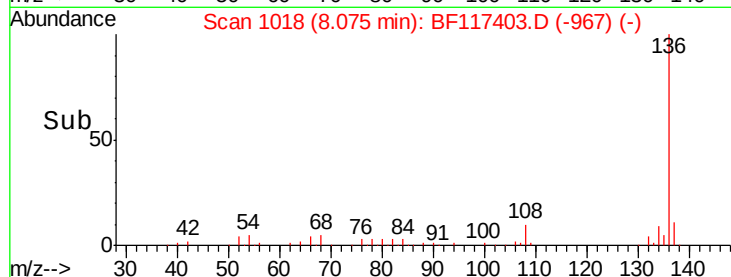
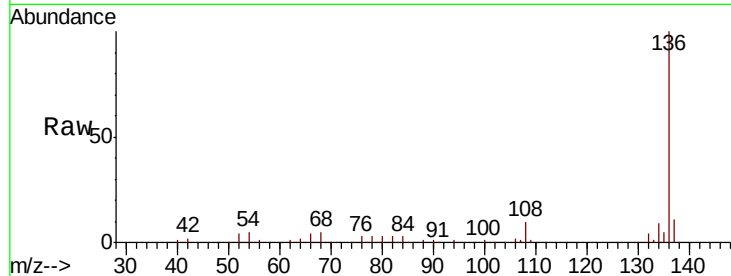




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117403.D
Acq: 14 Oct 2019 17:53

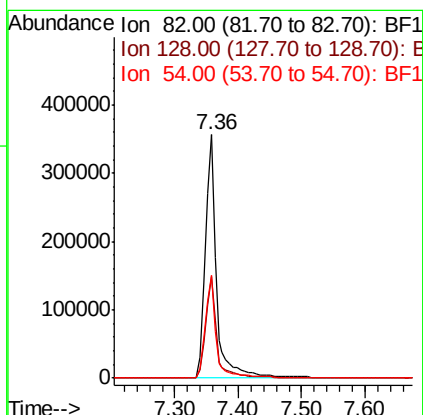
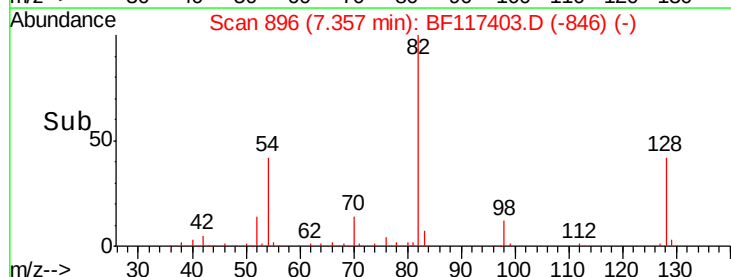
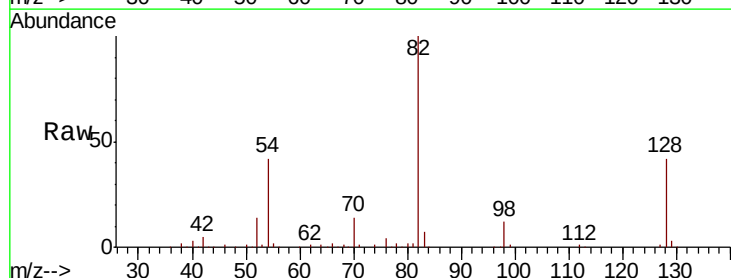
Instrument :
BNA_F
ClientSampled :

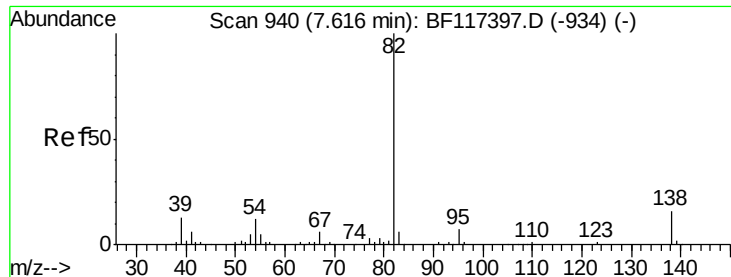
Tot Ion:136	Resp:	236062
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.4 12.6
54	5.2	4.6 6.8
68	4.8	3.8 5.8



#23
Nitrobenzene-d5
Concen: 93.645 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117403.D
Acq: 14 Oct 2019 17:53

Tgt Ion: 82	Resp:	436099
Ion Ratio	Lower	Upper
82	100	
128	41.8	34.1 51.1
54	42.3	33.3 49.9





#25

Isophorone

Concen: 52.569 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF117403.D

Acq: 14 Oct 2019 17:53

Instrument :

BNA_F

ClientSampled :

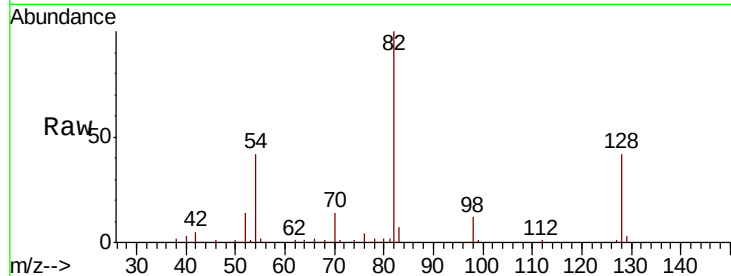
Tot Ion: 82 Resp: 436096

Ion Ratio Lower Upper

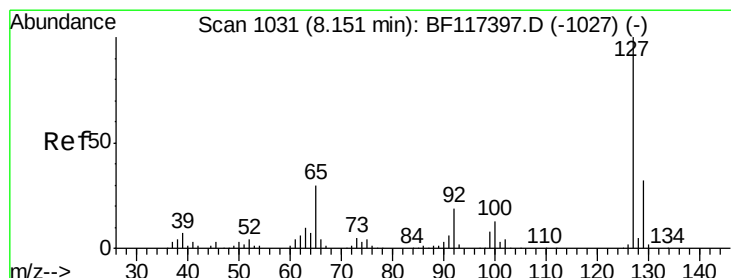
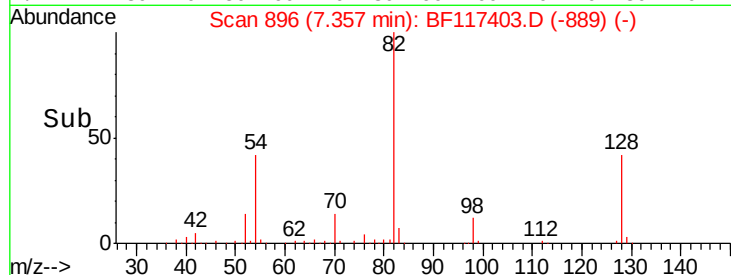
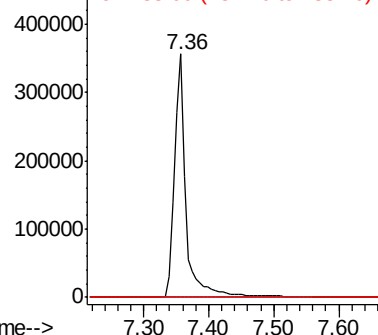
82 100

95 0.0 5.4 8.0#

138 0.0 13.0 19.4#



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): E



#33

4-Chloroaniline

Concen: 4.834 ng

RT: 8.17 min Scan# 1035

Delta R.T. 0.02 min

Lab File: BF117403.D

Acq: 14 Oct 2019 17:53

Tgt Ion: 127 Resp: 24201

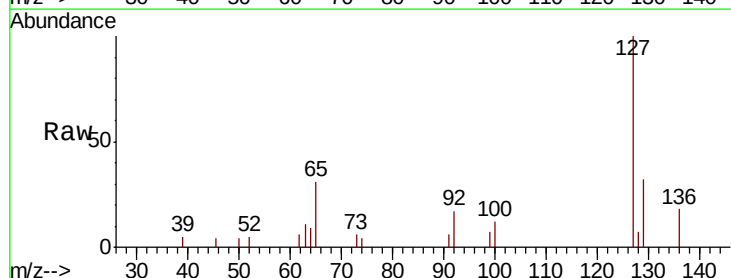
Ion Ratio Lower Upper

127 100

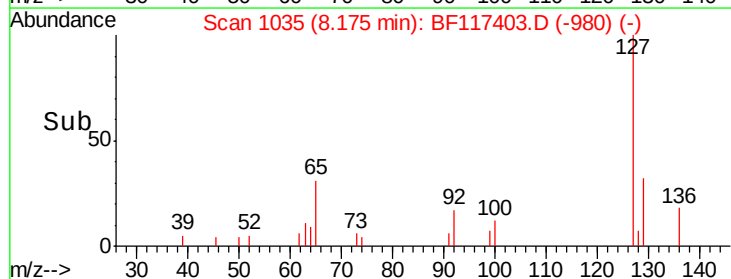
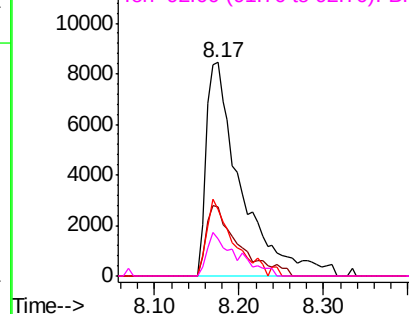
129 32.5 25.4 38.0

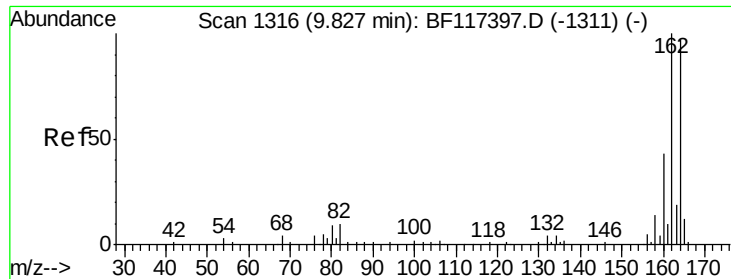
65 31.3 23.8 35.8

92 17.5 15.3 22.9



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

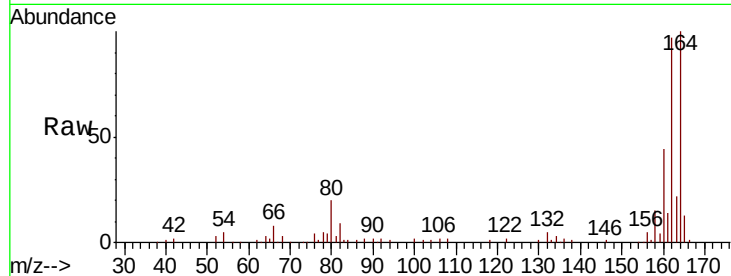




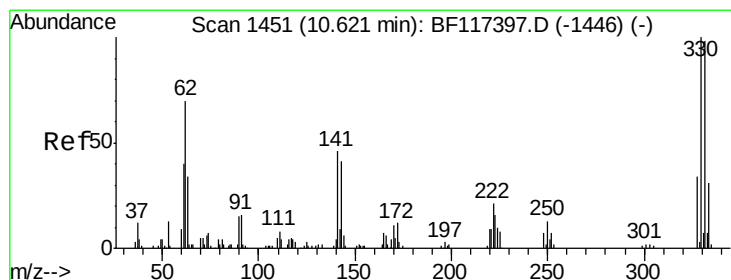
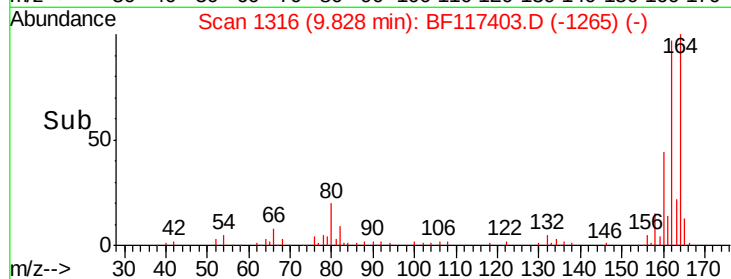
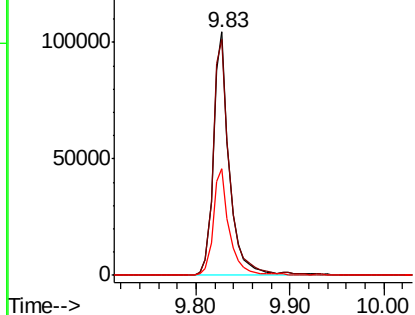
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BF117403.D
Acq: 14 Oct 2019 17:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 125403
Ion Ratio Lower Upper
164 100
162 96.8 82.4 123.6
160 43.8 35.4 53.0

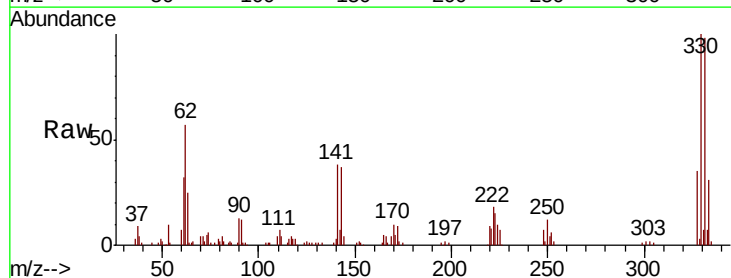


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

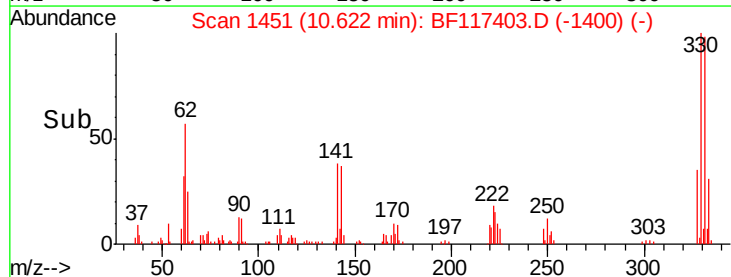
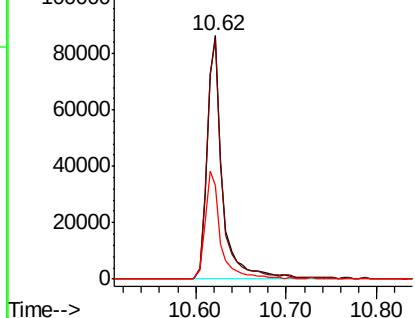


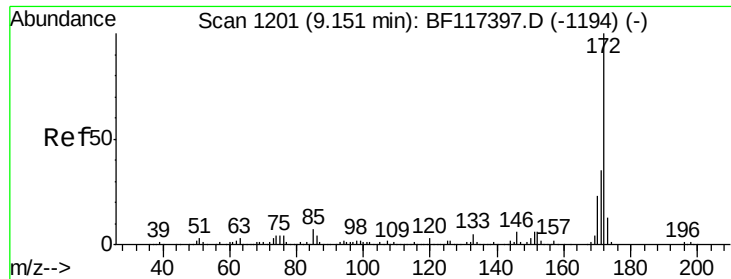
#42
2,4,6-Tribromophenol
Concen: 101.835 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF117403.D
Acq: 14 Oct 2019 17:53

Tgt Ion:330 Resp: 103934
Ion Ratio Lower Upper
330 100
332 98.5 75.0 112.6
141 44.4 34.2 51.4



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

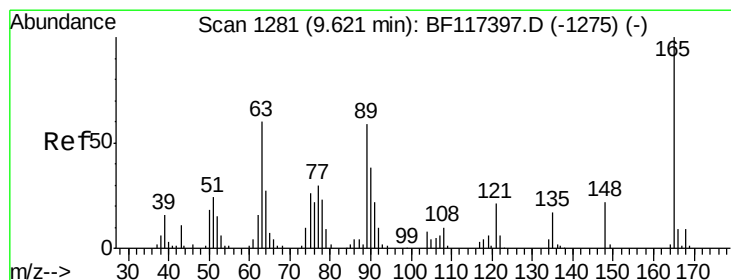
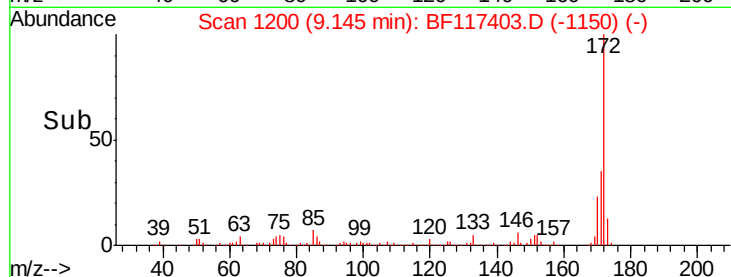
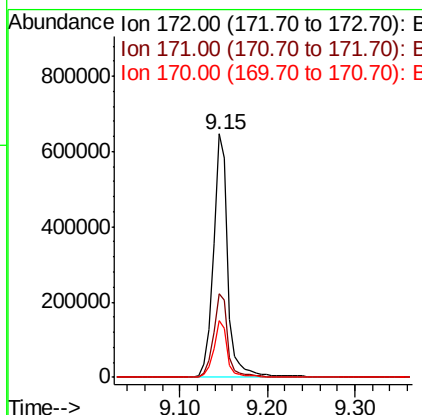
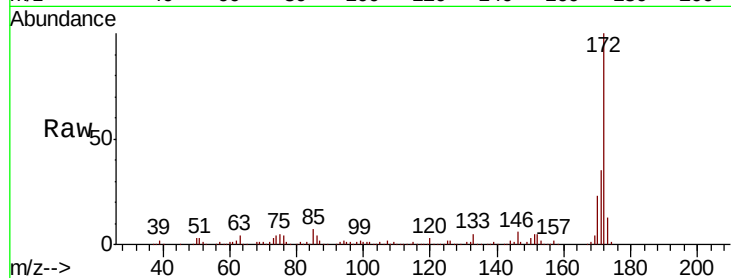




#45
 2-Fluorobiphenyl
 Concen: 86.251 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF117403.D
 Acq: 14 Oct 2019 17:53

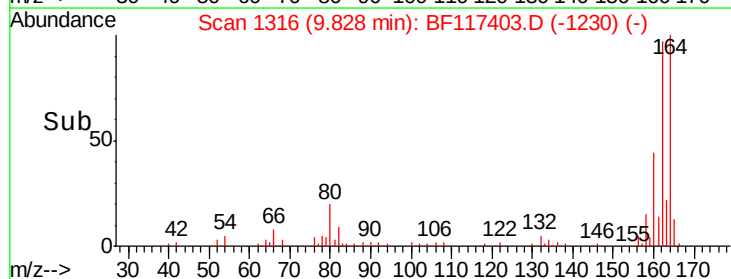
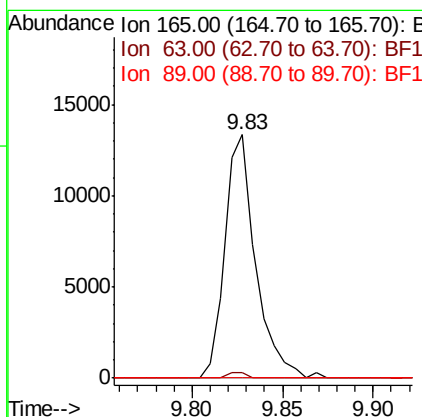
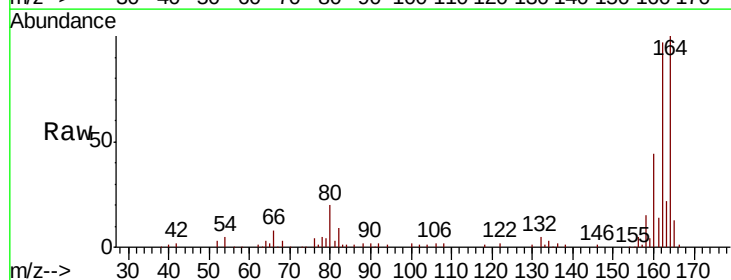
Instrument :
 BNA_F
 ClientSampleId :

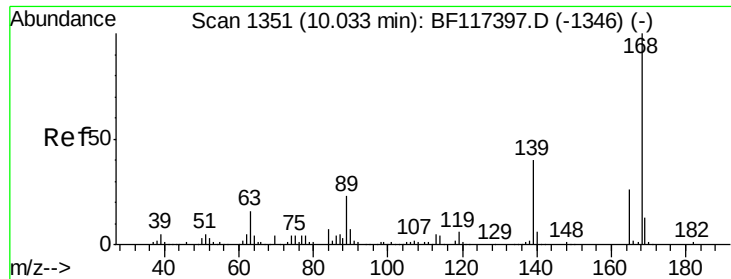
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.2
170	23.1	18.2	27.2



#51
 2,6-Dinitrotoluene
 Concen: 8.307 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF117403.D
 Acq: 14 Oct 2019 17:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	47.8	71.6#
89	0.0	47.4	71.0#

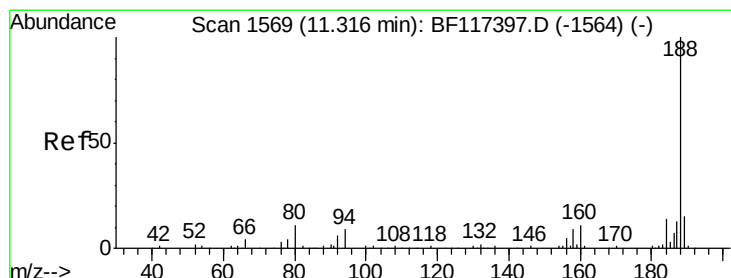
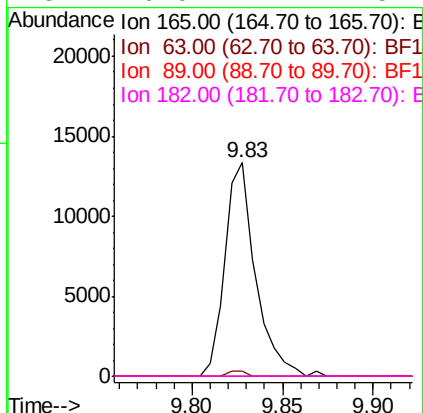
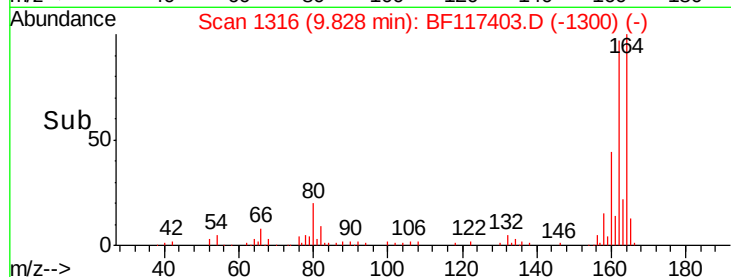
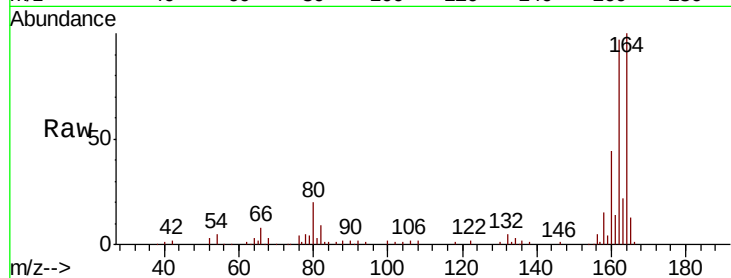




#57
 2,4-Dinitrotoluene
 Concen: 6.296 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF117403.D
 Acq: 14 Oct 2019 17:53

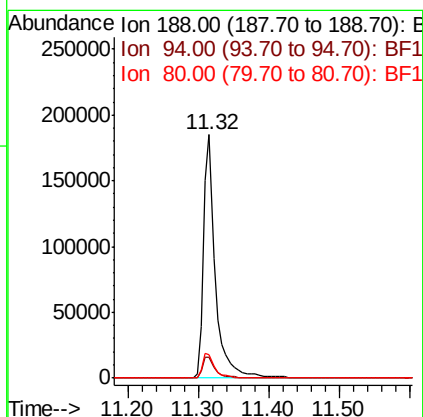
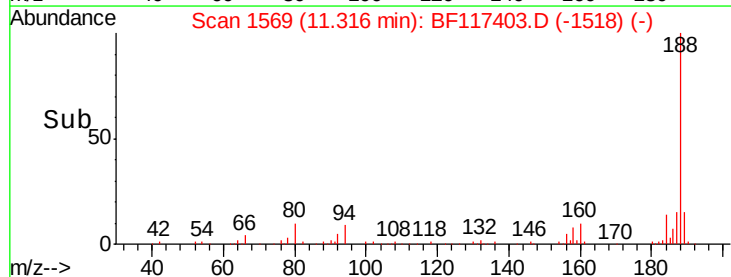
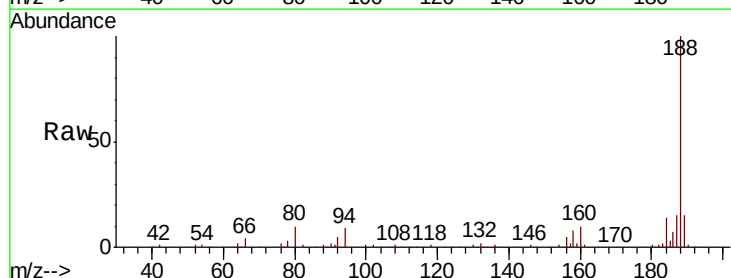
Instrument :
 BNA_F
 ClientSampleId :

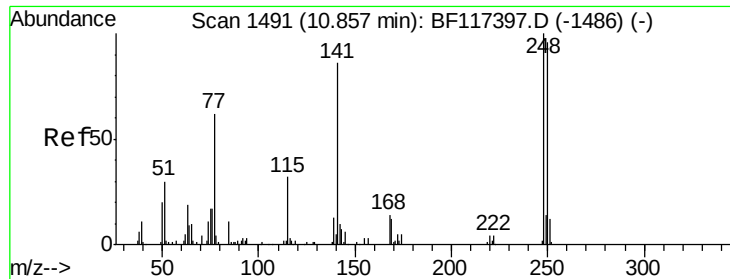
Tot Ion:165 Resp: 15726
 Ion Ratio Lower Upper
 165 100
 63 2.3 51.0 76.4#
 89 0.0 70.7 106.1#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF117403.D
 Acq: 14 Oct 2019 17:53

Tgt Ion:188 Resp: 214768
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.5 11.3
 80 9.7 8.7 13.1

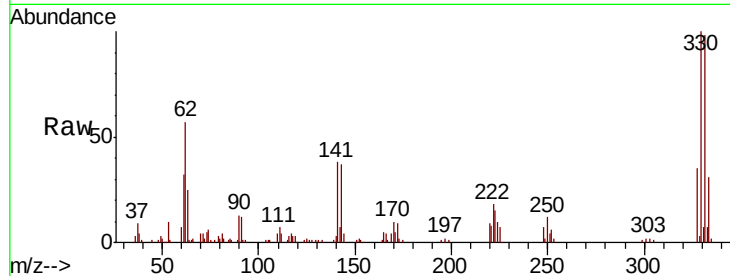




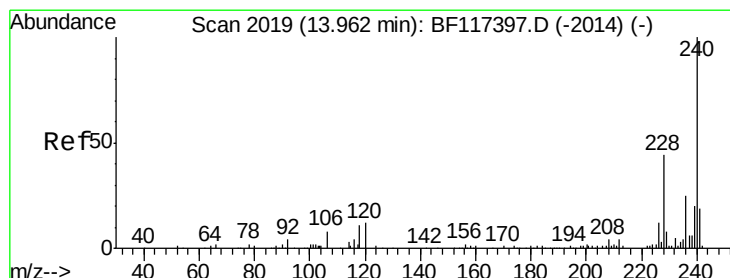
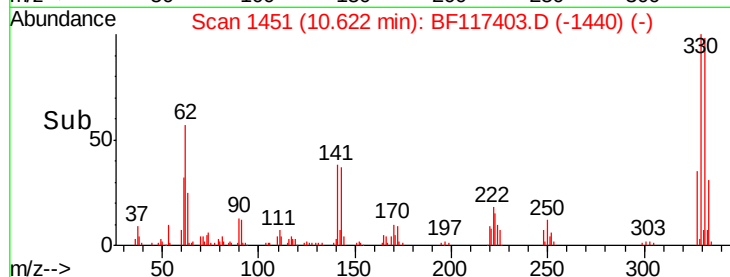
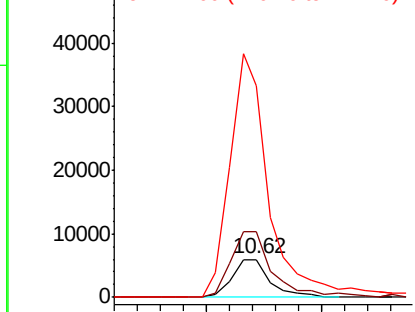
#67
4-Bromophenyl-phenylether
Concen: 2.893 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF117403.D
Acq: 14 Oct 2019 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 6814
Ion Ratio Lower Upper
248 100
250 174.1 77.1 115.7#
141 561.7 69.1 103.7#

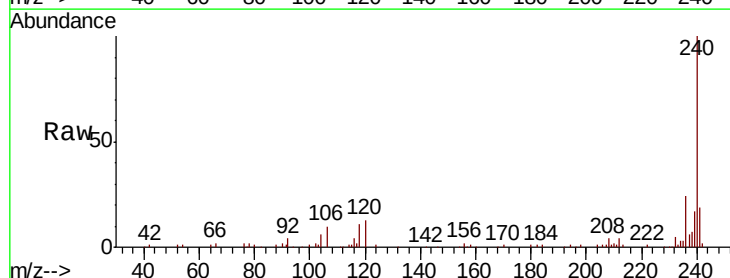


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

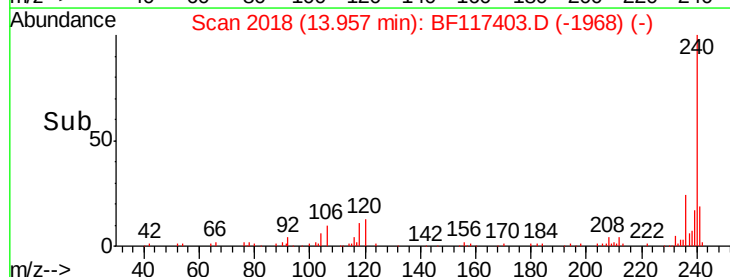
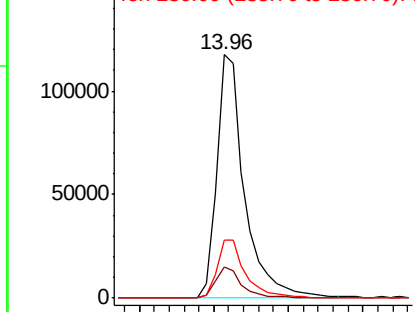


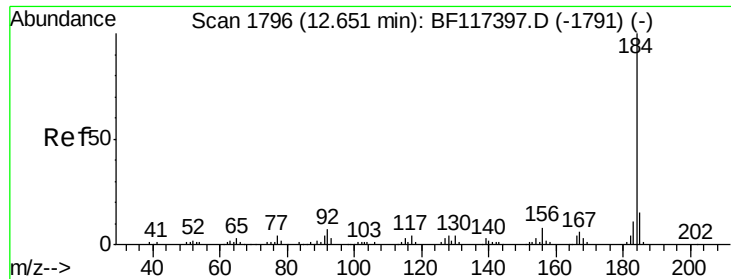
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117403.D
Acq: 14 Oct 2019 17:53

Tgt Ion:240 Resp: 152752
Ion Ratio Lower Upper
240 100
120 12.9 9.4 14.0
236 23.8 19.8 29.6



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: 15.830 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF117403.D

Acq: 14 Oct 2019 17:53

Instrument :

BNA_F

ClientSampleId :

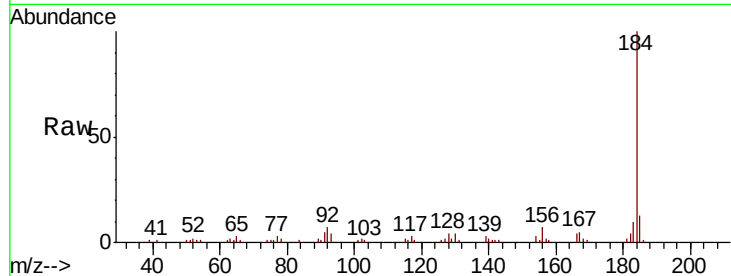
Tot Ion:184 Resp: 59803

Ion Ratio Lower Upper

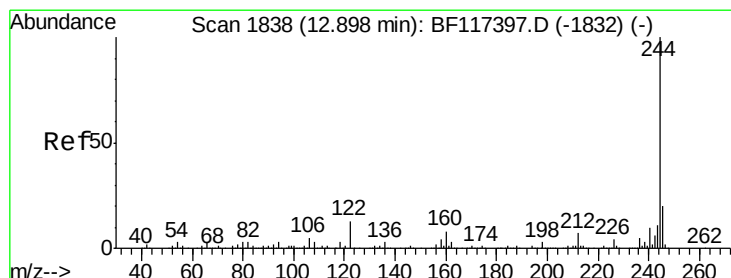
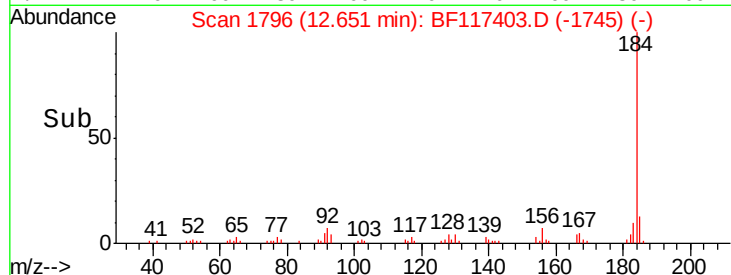
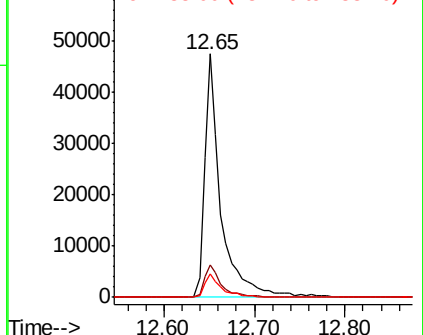
184 100

185 13.5 12.2 18.2

183 9.8 8.9 13.3



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: 87.525 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF117403.D

Acq: 14 Oct 2019 17:53

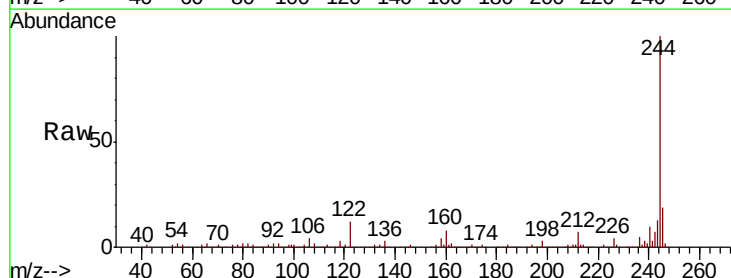
Tgt Ion:244 Resp: 820141

Ion Ratio Lower Upper

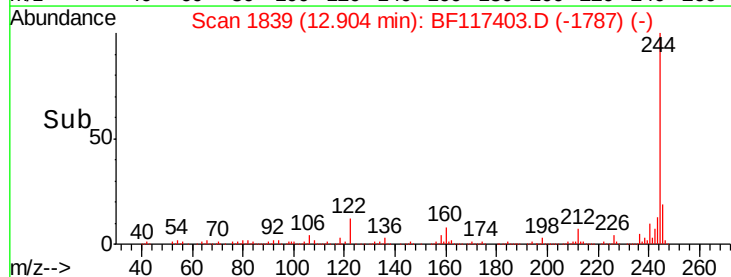
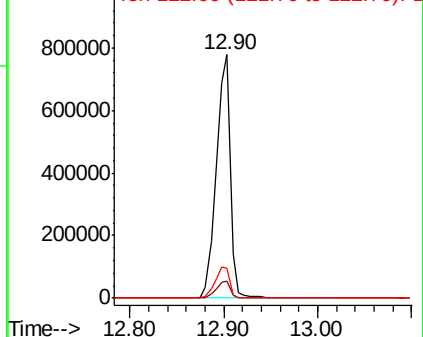
244 100

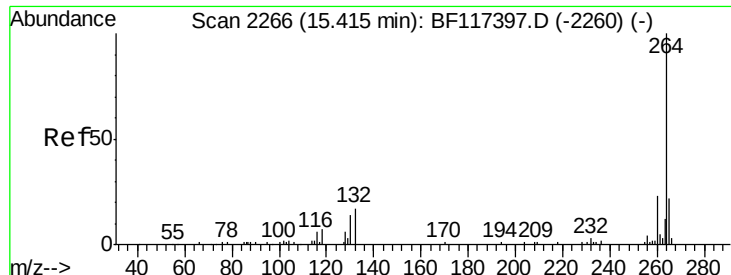
212 6.8 5.7 8.5

122 12.4 10.7 16.1



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

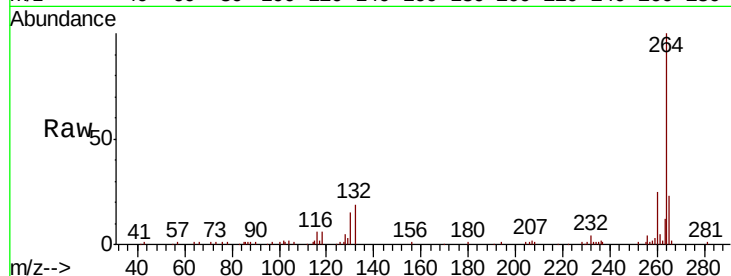




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF117403.D
Acq: 14 Oct 2019 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	27.8
265	22.6	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

