

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101619\
 Data File : BF117418.D
 Acq On : 16 Oct 2019 17:19
 Operator : JU
 Sample : K5355-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-32

Quant Time: Oct 17 01:00:45 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

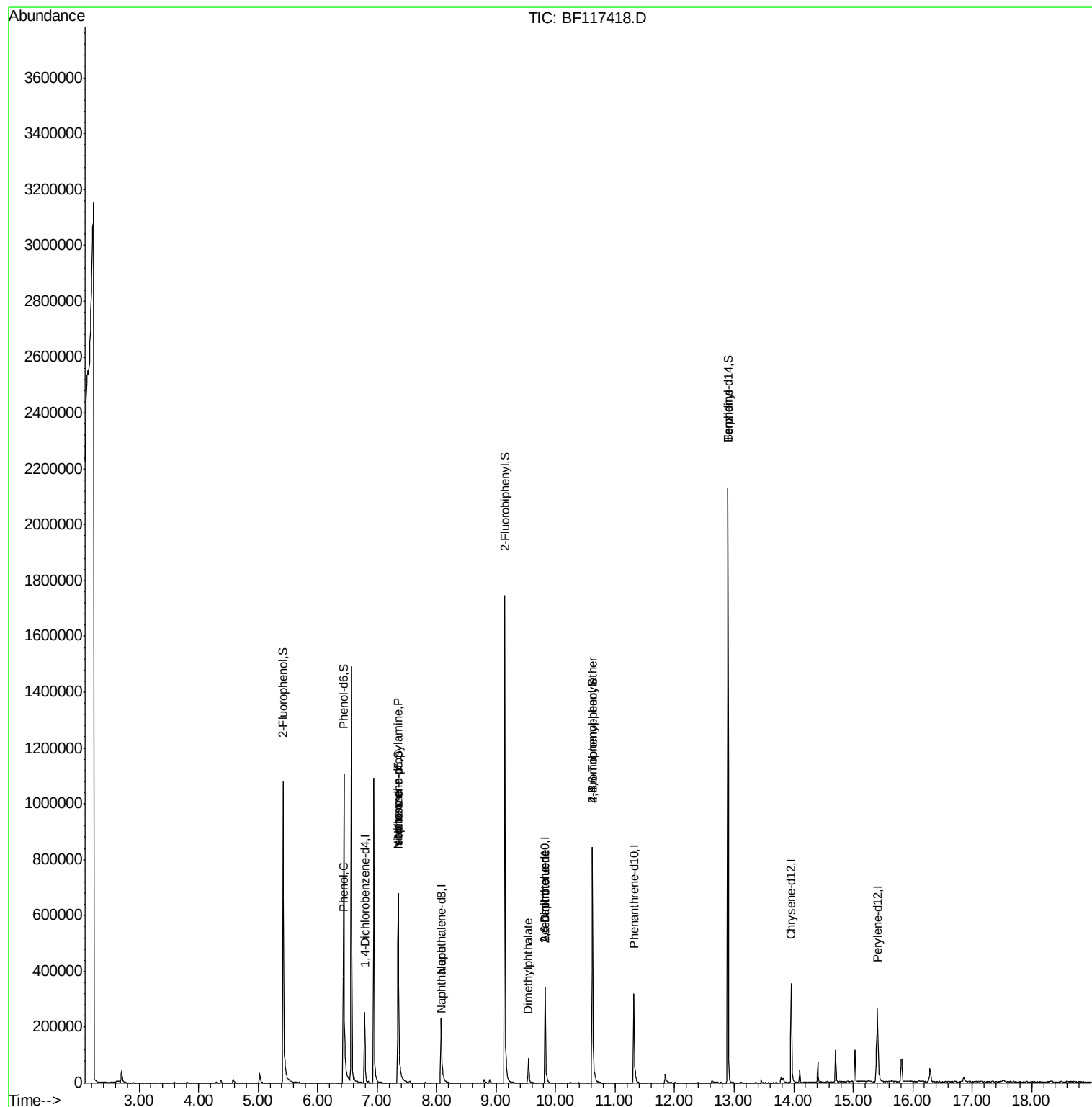
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	43777	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	176550	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	94412	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	166642	20.00	ng	0.00
76) Chrysene-d12	13.96	240	149378	20.00	ng	0.00
87) Perylene-d12	15.41	264	148470	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	376887	132.46	ng	0.00
7) Phenol-d6	6.44	99	501041	132.73	ng	0.00
23) Nitrobenzene-d5	7.36	82	321322	92.26	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	122455	159.37	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	578960	89.40	ng	0.00
79) Terphenyl-d14	12.90	244	707112	77.17	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	493	Below Cal		Qvalue
10) Phenol	6.45	94	11641	2.856 ng	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	42698	17.739 ng	#	89
25) Isophorone	7.36	82	321320	51.790 ng	#	77
31) Naphthalene	8.09	128	19158	2.173 ng	#	67
50) Dimethylphthalate	9.55	163	51899	7.654 ng	#	95
51) 2,6-Dinitrotoluene	9.82	165	11708	8.215 ng	#	99
57) 2,4-Dinitrotoluene	9.82	165	11708	6.226 ng	#	21
67) 4-Bromophenyl-phenylether	10.62	248	7373	4.034 ng	#	12
77) Benzidine	12.90	184	9540	2.582 ng	#	1
						94

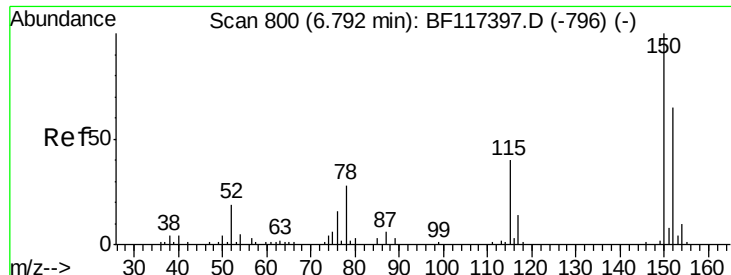
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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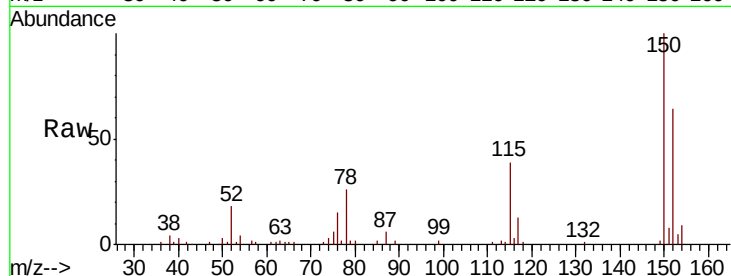


#1

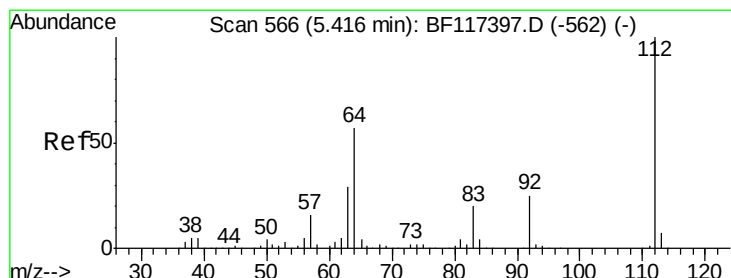
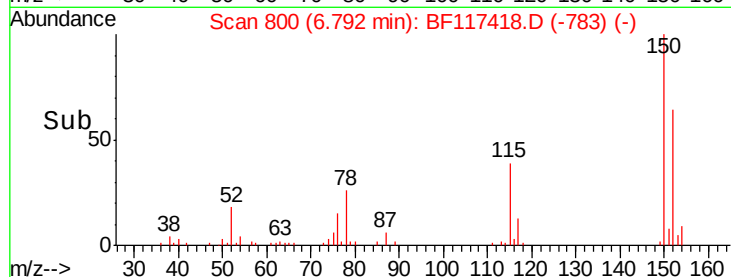
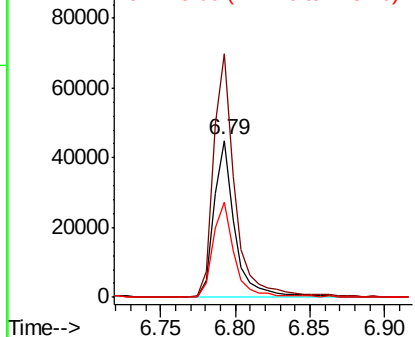
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF117418.D
Acq: 16 Oct 2019 17:19

Instrument :
BNA_F
ClientSampleId :
COMP-32

Tot Ion:152 Resp: 43777
Ion Ratio Lower Upper
152 100
150 155.2 122.7 184.1
115 60.4 48.6 73.0



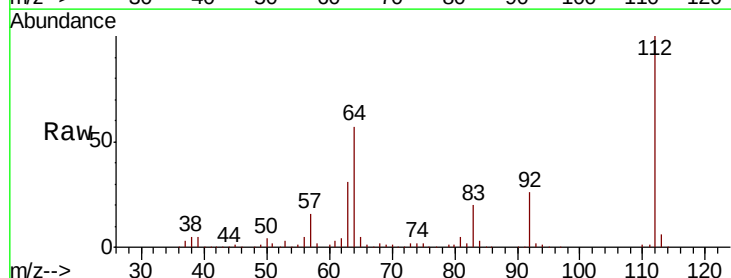
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



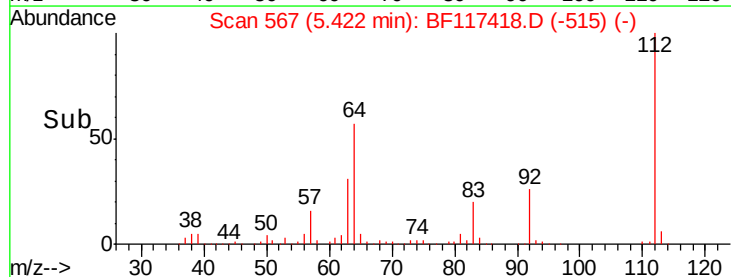
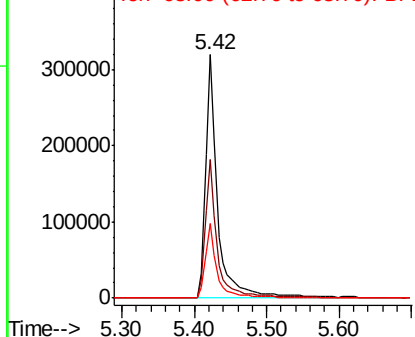
#5

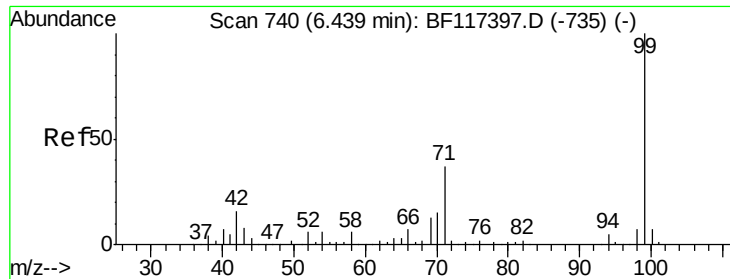
2-Fluorophenol
Concen: 132.464 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF117418.D
Acq: 16 Oct 2019 17:19

Tgt Ion:112 Resp: 376887
Ion Ratio Lower Upper
112 100
64 57.2 45.2 67.8
63 30.9 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





#7

Phenol-d6

Concen: 132.725 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF117418.D

Acq: 16 Oct 2019 17:19

Instrument :

BNA_F

ClientSampled :

COMP-32

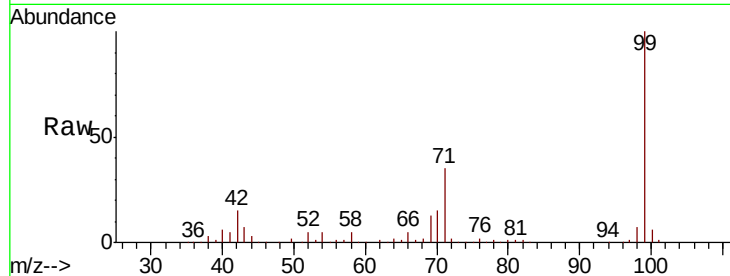
Tot Ion: 99 Resp: 501041

Ion Ratio Lower Upper

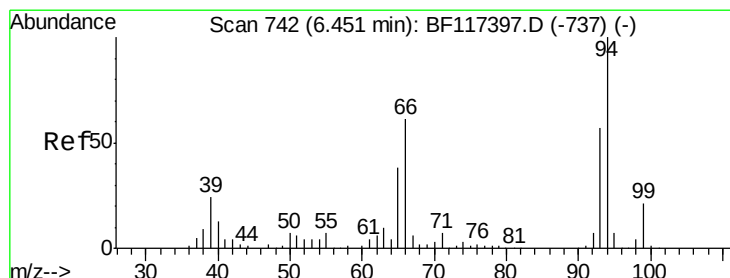
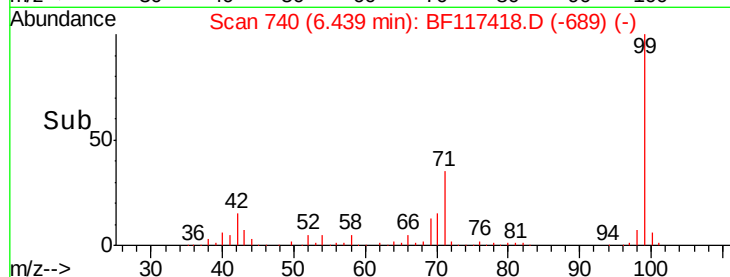
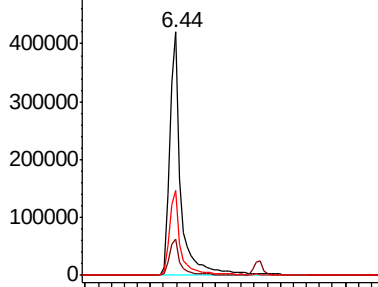
99 100

42 15.1 12.5 18.7

71 34.7 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



#10

Phenol

Concen: 2.856 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF117418.D

Acq: 16 Oct 2019 17:19

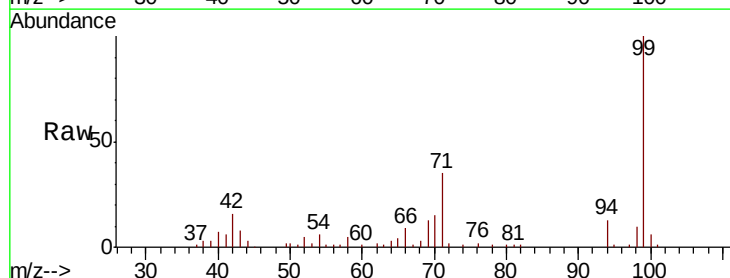
Tgt Ion: 94 Resp: 11641

Ion Ratio Lower Upper

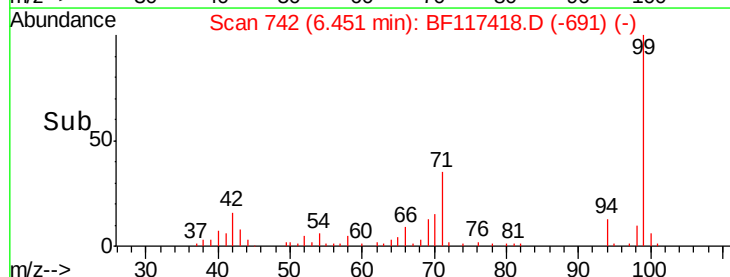
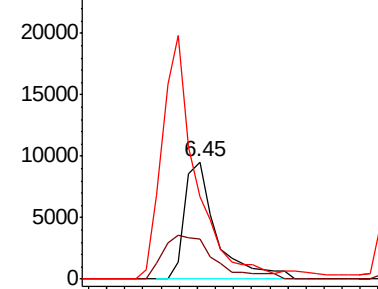
94 100

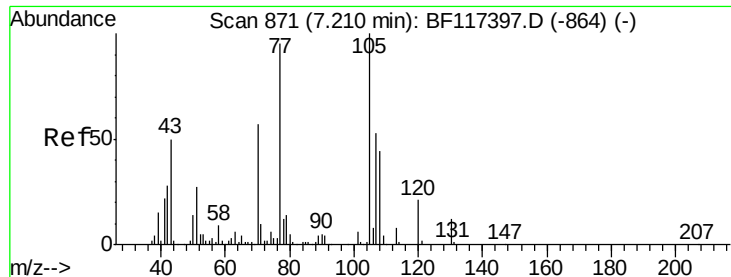
65 33.8 18.2 58.2

66 70.7 41.1 81.1



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 17.739 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF117418.D

Acq: 16 Oct 2019 17:19

Instrument :

BNA_F

ClientSampled :

COMP-32

Tot Ion: 70 Resp: 42698

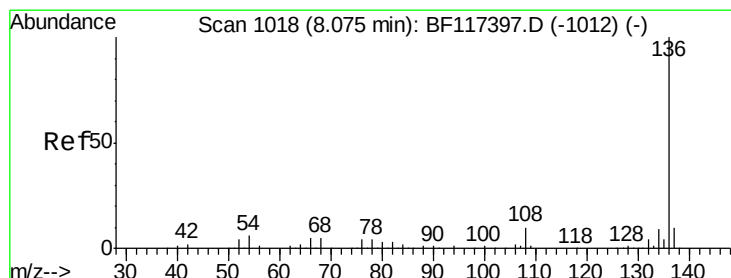
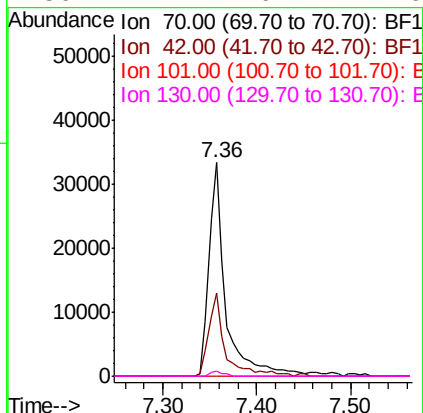
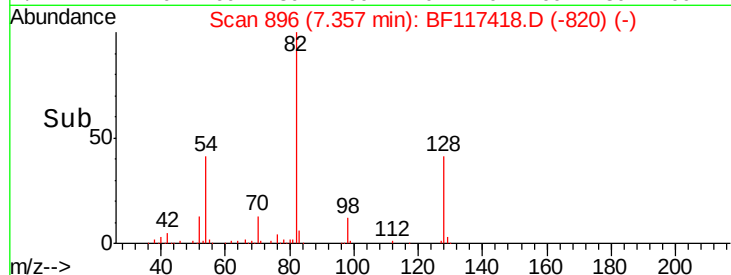
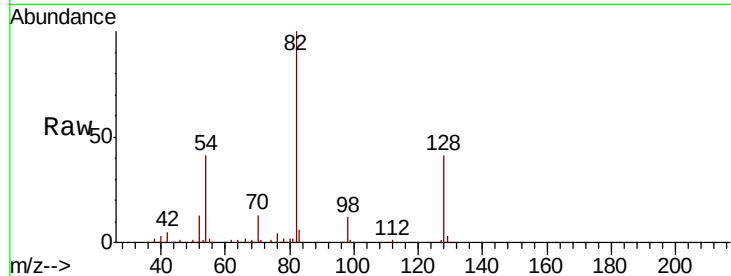
Ion Ratio Lower Upper

70 100

42 39.1 39.8 59.8#

101 0.0 8.1 12.1#

130 2.4 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: BF117418.D

Acq: 16 Oct 2019 17:19

Tgt Ion: 136 Resp: 176550

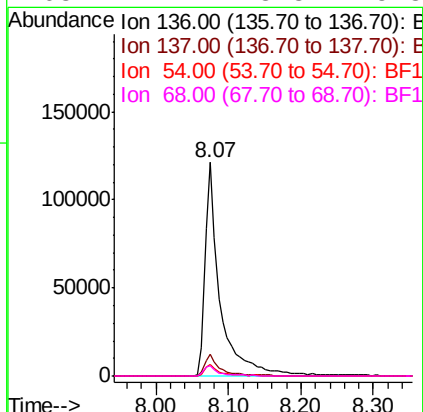
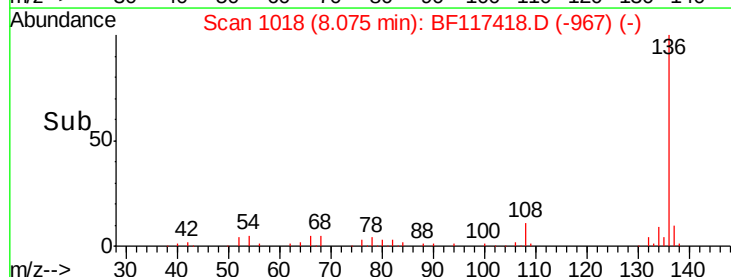
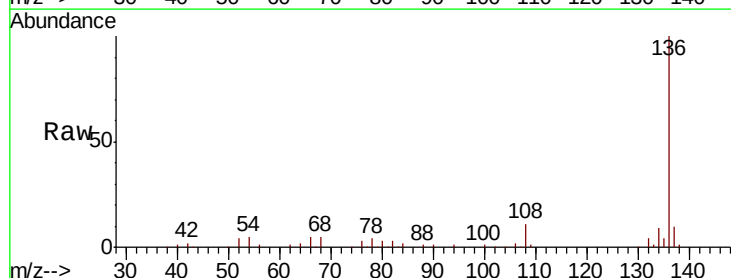
Ion Ratio Lower Upper

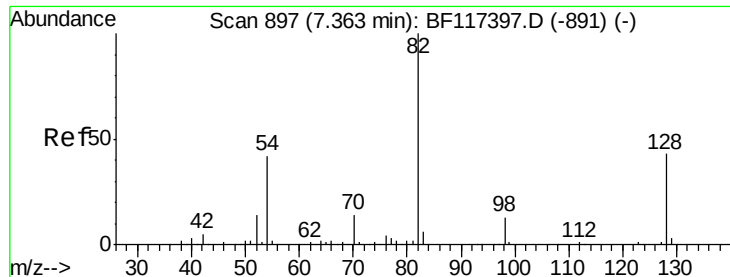
136 100

137 9.9 8.4 12.6

54 5.4 4.6 6.8

68 4.7 3.8 5.8

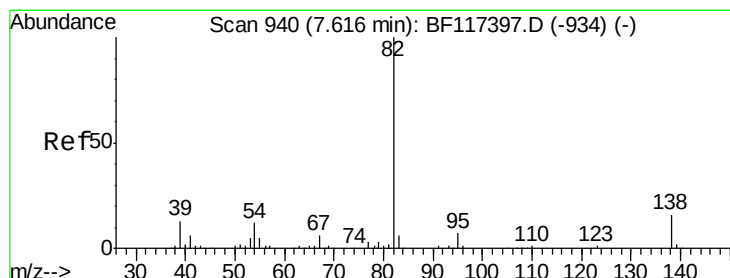
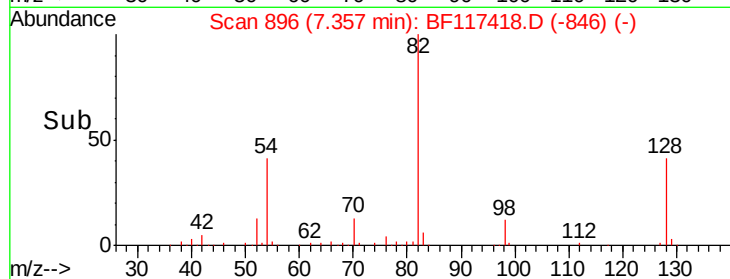
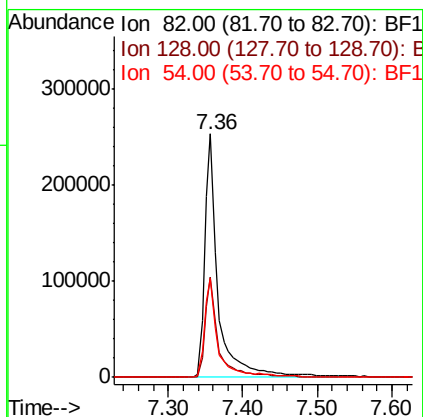
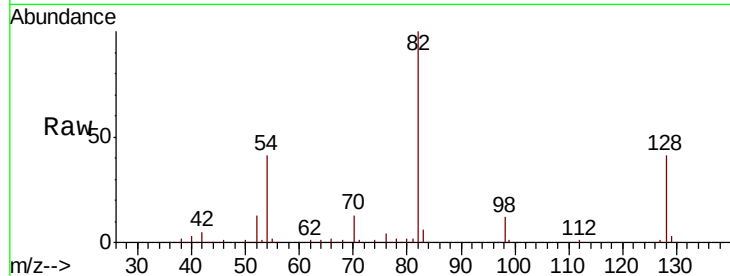




#23
Nitrobenzene-d5
Concen: 92.257 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117418.D
Acq: 16 Oct 2019 17:19

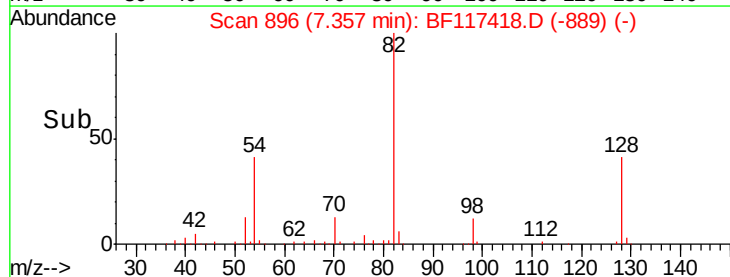
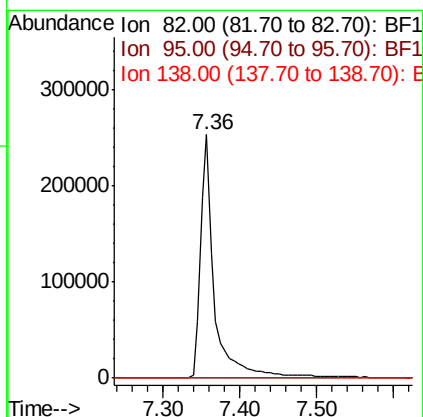
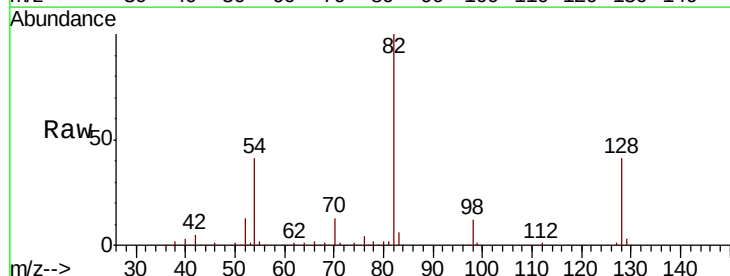
Instrument :
BNA_F
ClientSampleId :
COMP-32

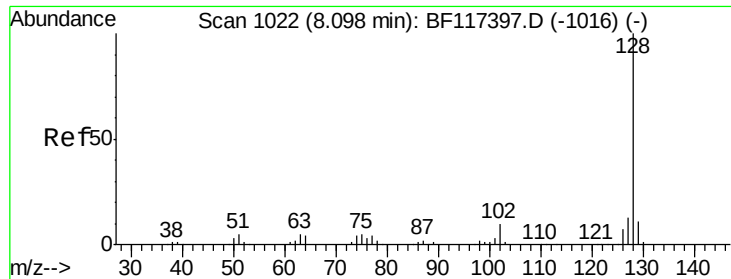
Tot Ion	82	Resp	321322
Ion Ratio	Lower	Upper	
82	100		
128	41.4	34.1	51.1
54	40.8	33.3	49.9



#25
Isophorone
Concen: 51.790 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF117418.D
Acq: 16 Oct 2019 17:19

Tgt Ion	82	Resp	321320
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.0#
138	0.0	13.0	19.4#

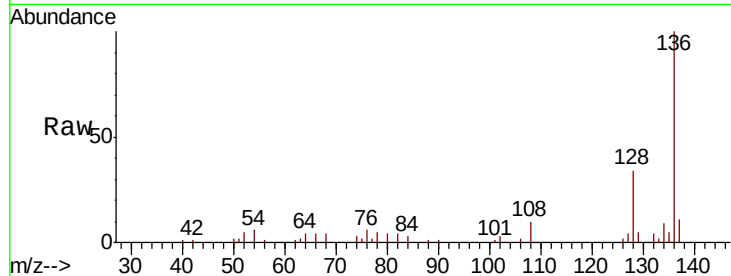




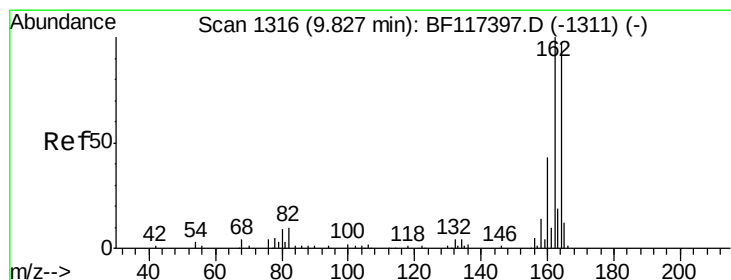
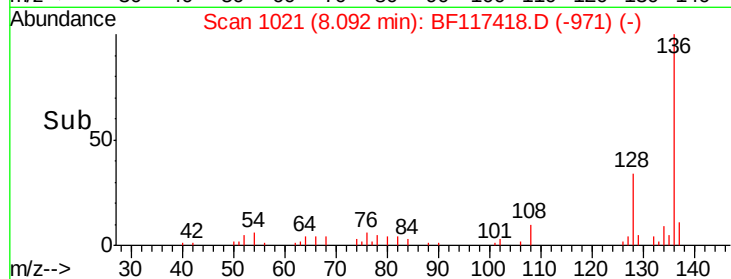
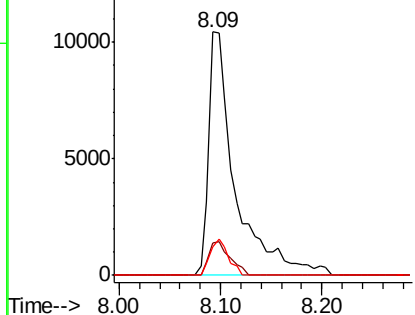
#31
Naphthalene
Concen: 2.173 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117418.D
Acq: 16 Oct 2019 17:19

Instrument :
BNA_F
ClientSampled :
COMP-32

Tot Ion:128 Resp: 19158
Ion Ratio Lower Upper
128 100
129 13.4 8.6 12.8#
127 11.7 10.4 15.6

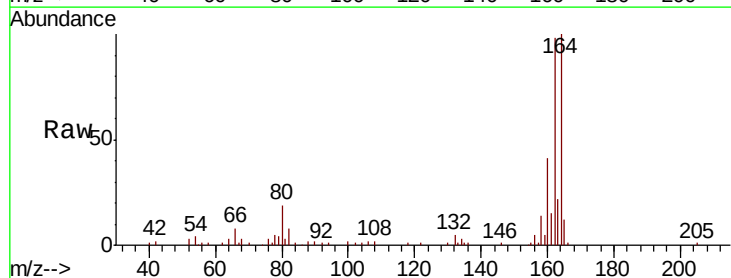


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

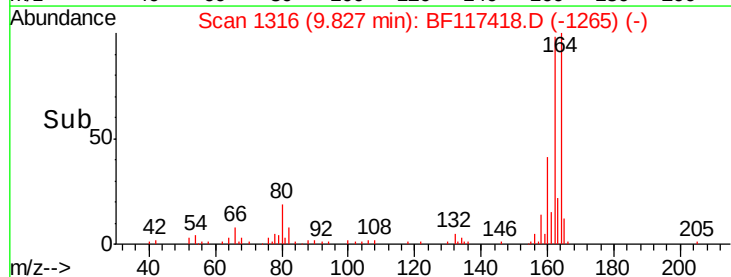
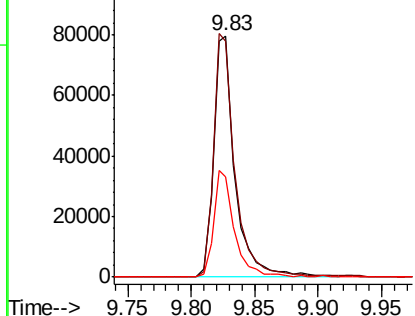


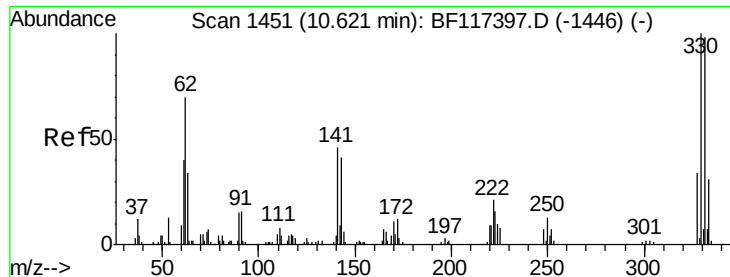
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BF117418.D
Acq: 16 Oct 2019 17:19

Tgt Ion:164 Resp: 94412
Ion Ratio Lower Upper
164 100
162 97.8 82.4 123.6
160 41.3 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

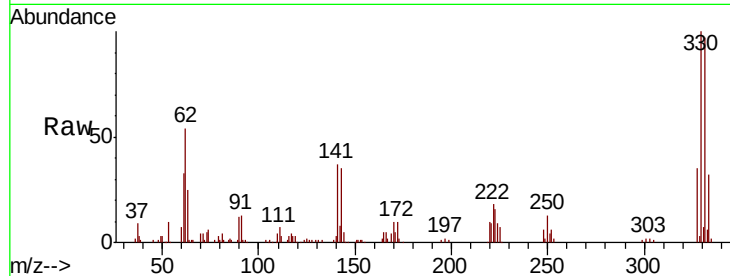




#42
 2,4,6-Tribromophenol
 Concen: 159.366 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF117418.D
 Acq: 16 Oct 2019 17:19

Instrument :
 BNA_F
 ClientSampleId :
 COMP-32

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.0	112.6
141	43.6	34.2	51.4

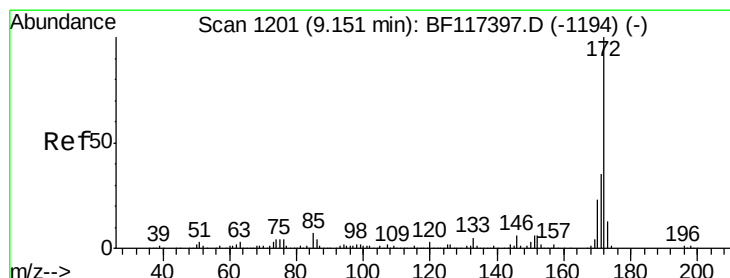
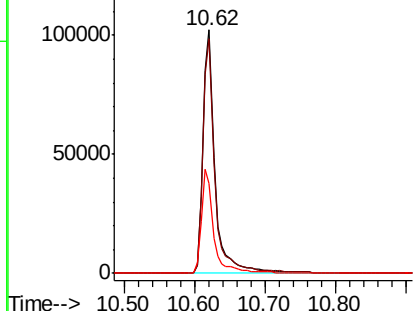
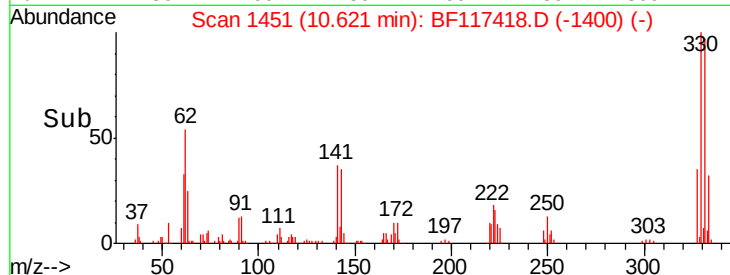


Abundance

Ion 329.80 (329.50 to 330.50): E

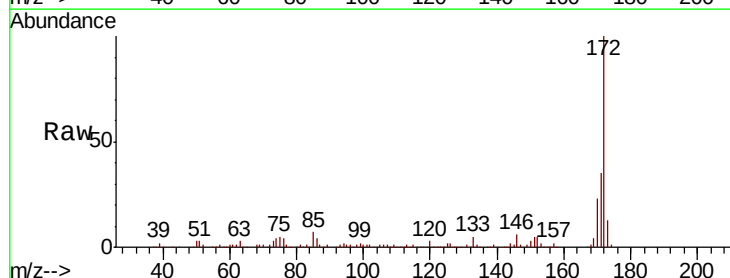
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 89.401 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF117418.D
 Acq: 16 Oct 2019 17:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.4	18.2	27.2

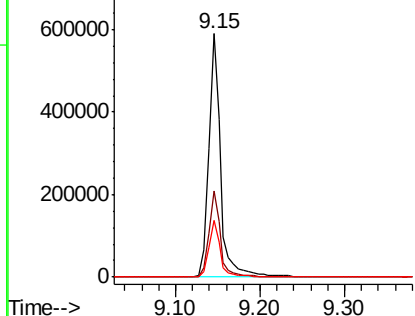
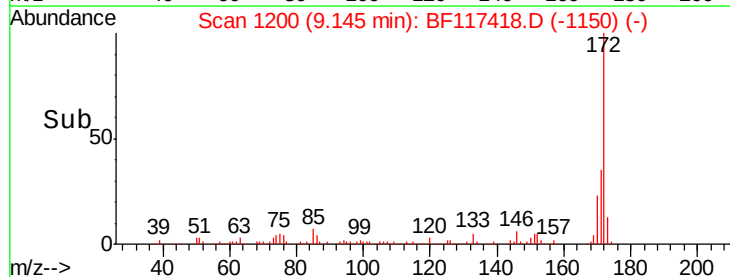


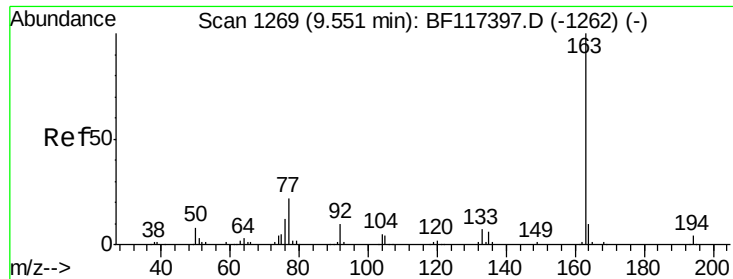
Abundance

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

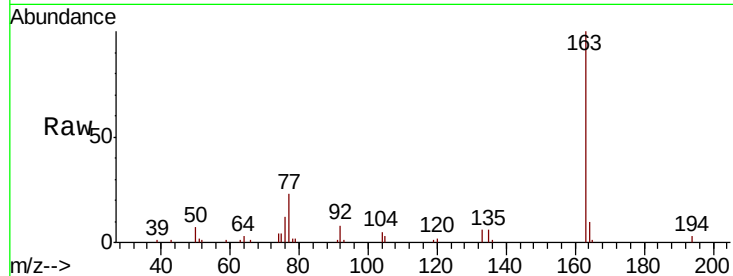




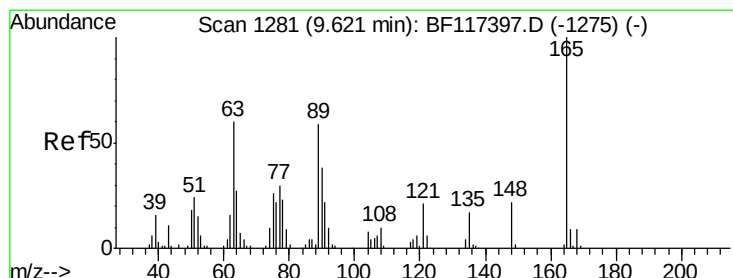
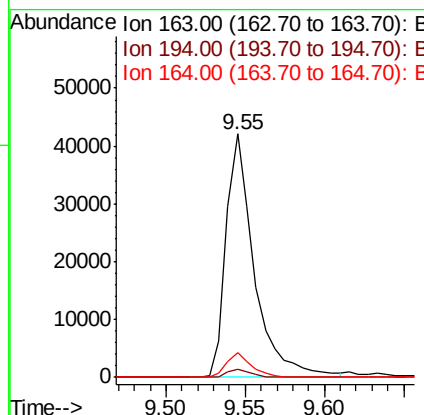
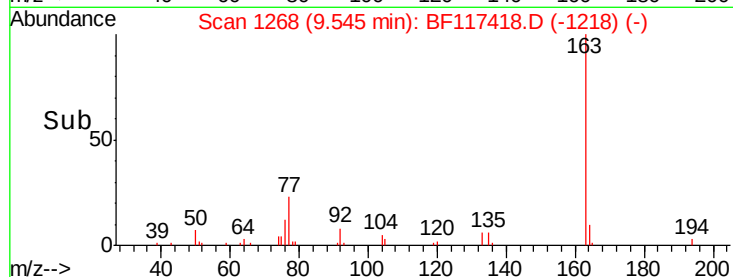
#50
Dimethylphthalate
Concen: 7.654 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF117418.D
Acq: 16 Oct 2019 17:19

Instrument :
BNA_F
ClientSampleId :
COMP-32

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.1	4.7
164	10.3	8.0	12.0

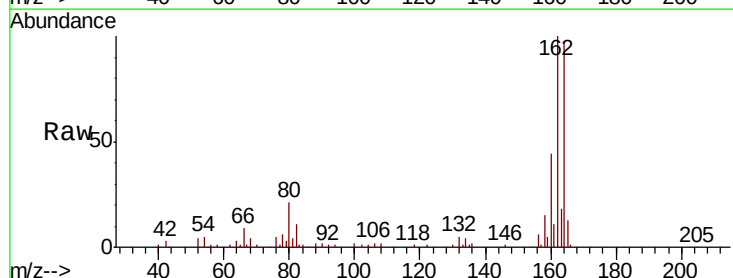


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

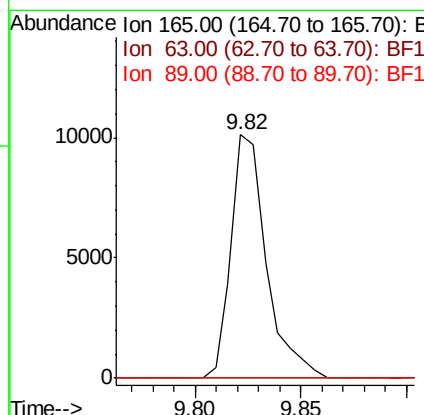
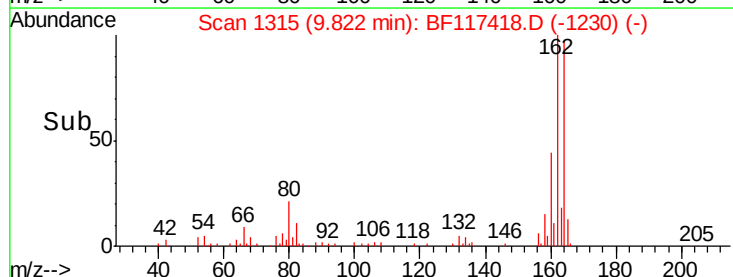


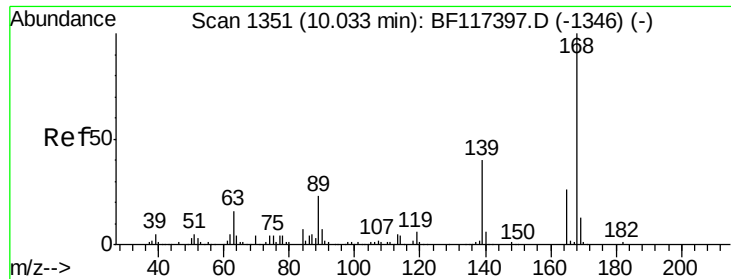
#51
2,6-Dinitrotoluene
Concen: 8.215 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.20 min
Lab File: BF117418.D
Acq: 16 Oct 2019 17:19

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



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





#57

2,4-Dinitrotoluene

Concen: 6.226 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.21 min

Lab File: BF117418.D

Acq: 16 Oct 2019 17:19

Instrument :

BNA_F

ClientSampleId :

COMP-32

Tot Ion:165 Resp: 11708

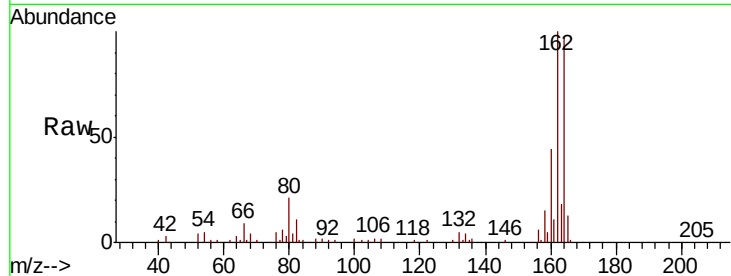
Ion Ratio Lower Upper

165 100

63 0.0 51.0 76.4#

89 0.0 70.7 106.1#

182 0.0 2.1 3.1#

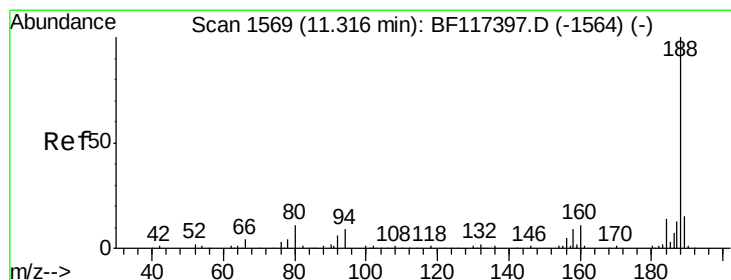
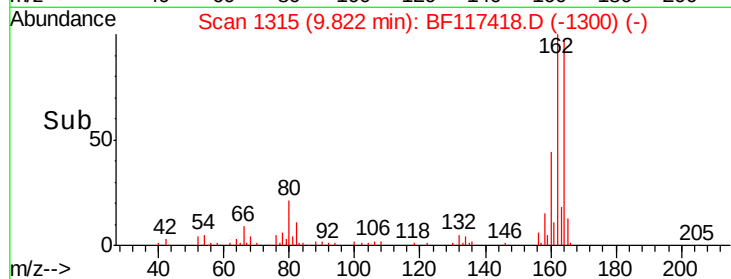
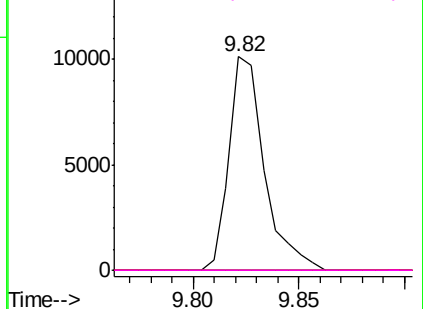


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF117418.D

Acq: 16 Oct 2019 17:19

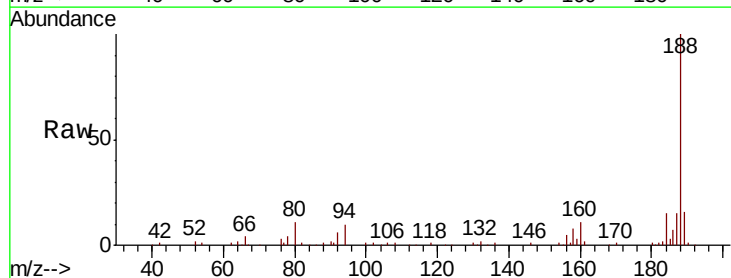
Tgt Ion:188 Resp: 166642

Ion Ratio Lower Upper

188 100

94 10.0 7.5 11.3

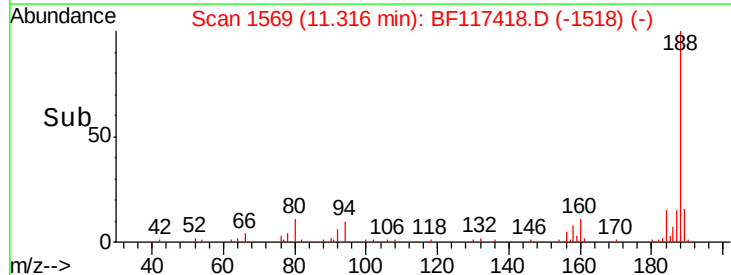
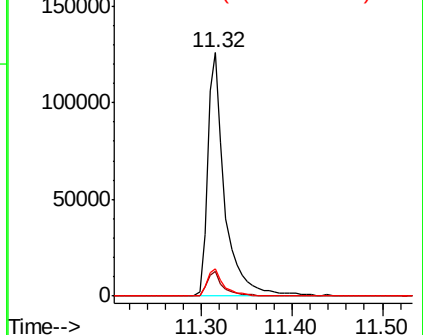
80 11.0 8.7 13.1

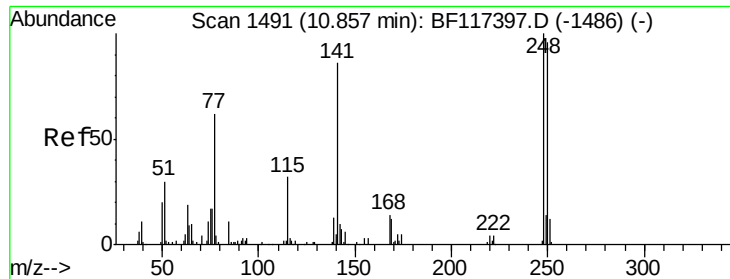


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

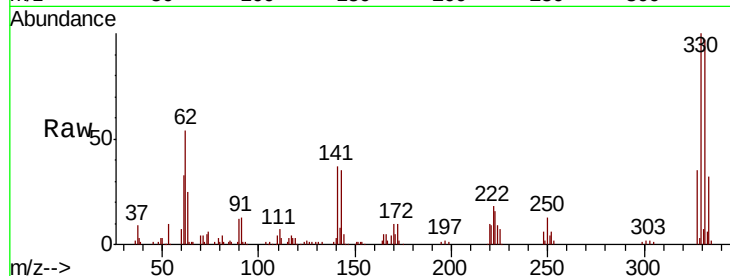




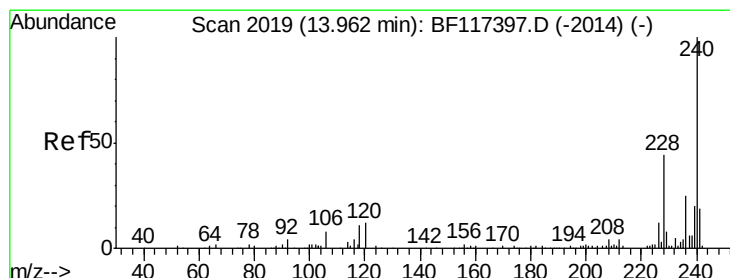
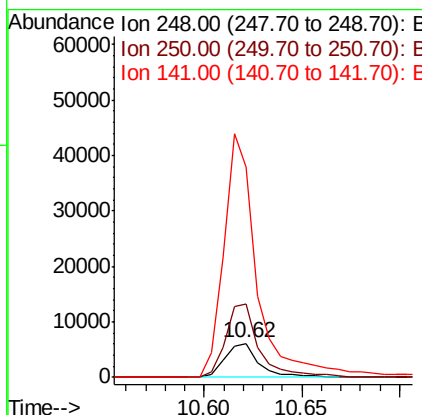
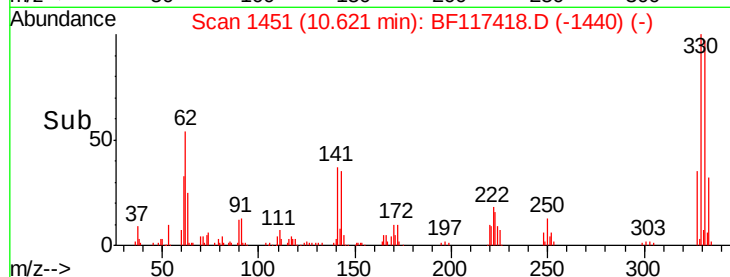
#67
4-Bromophenyl-phenylether
Concen: 4.034 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF117418.D
Acq: 16 Oct 2019 17:19

Instrument :
BNA_F
ClientSampleId :
COMP-32

Tot Ion:248 Resp: 7373
Ion Ratio Lower Upper
248 100
250 215.6 77.1 115.7#
141 613.1 69.1 103.7#

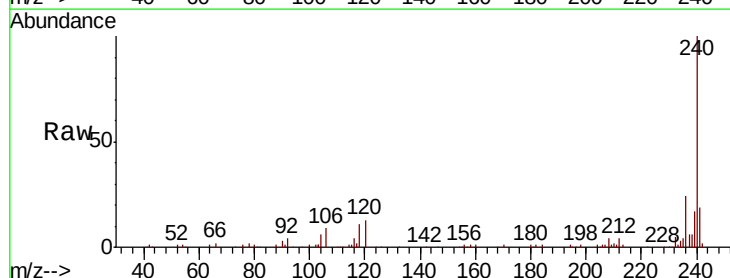


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

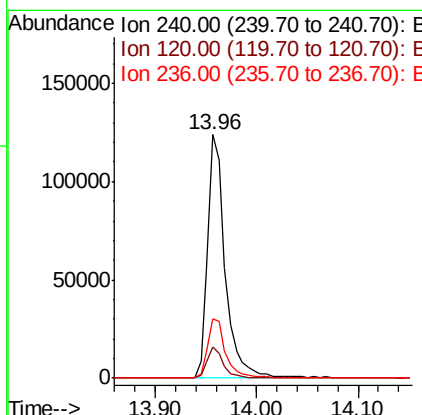
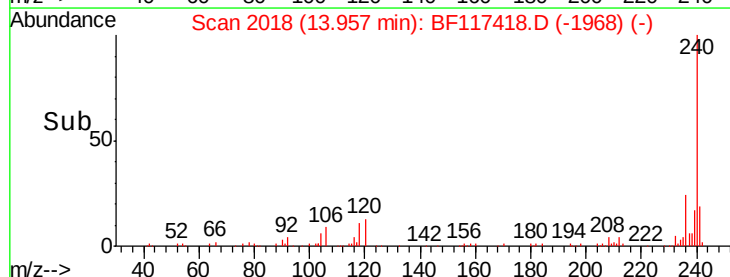


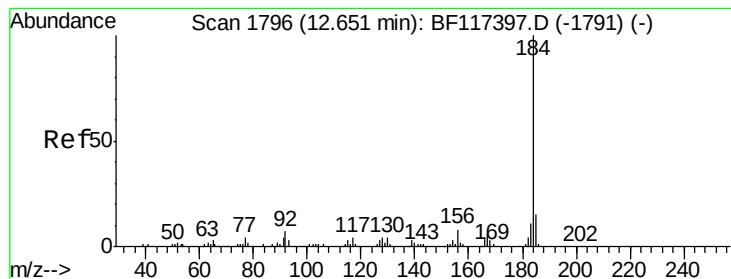
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117418.D
Acq: 16 Oct 2019 17:19

Tgt Ion:240 Resp: 149378
Ion Ratio Lower Upper
240 100
120 12.6 9.4 14.0
236 24.4 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: 2.582 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.25 min

Lab File: BF117418.D

Acq: 16 Oct 2019 17:19

Instrument :

BNA_F

ClientSampled :

COMP-32

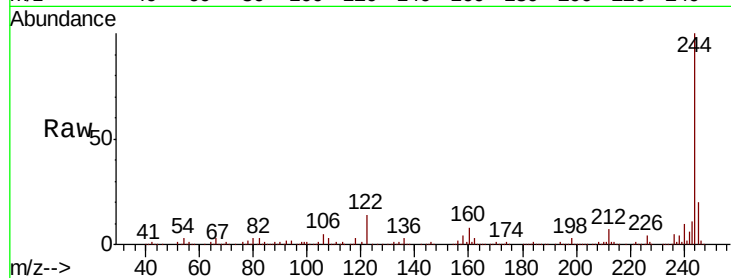
Tot Ion:184 Resp: 9540

Ion Ratio Lower Upper

184 100

185 16.5 12.2 18.2

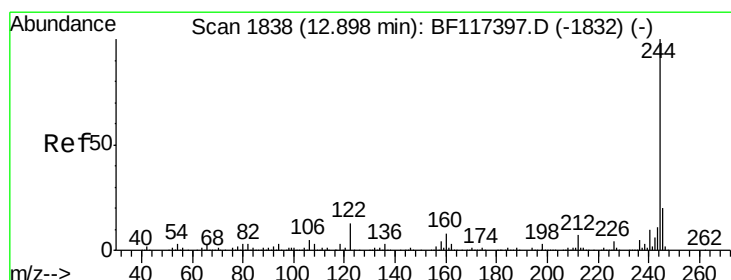
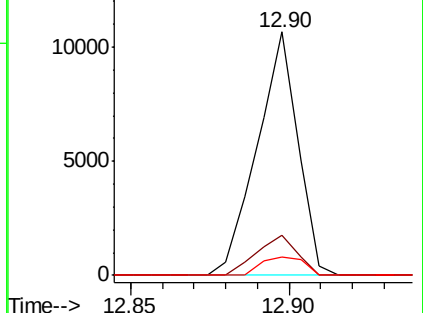
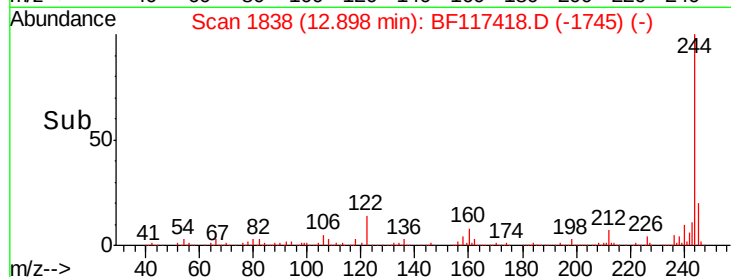
183 7.6 8.9 13.3#



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: 77.167 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF117418.D

Acq: 16 Oct 2019 17:19

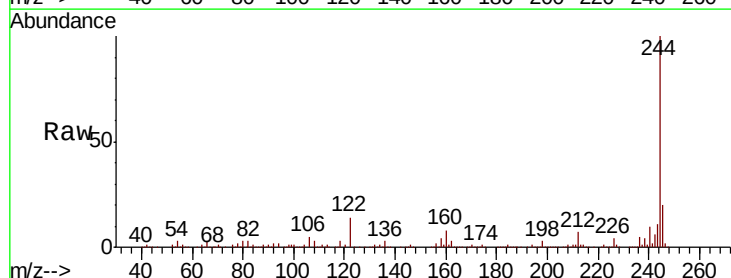
Tgt Ion:244 Resp: 707112

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

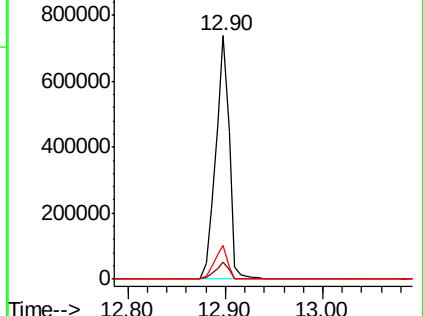
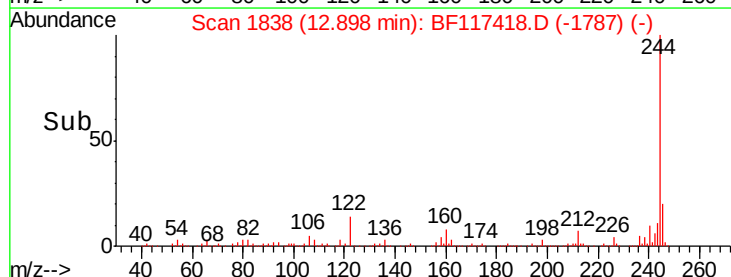
122 14.0 10.7 16.1

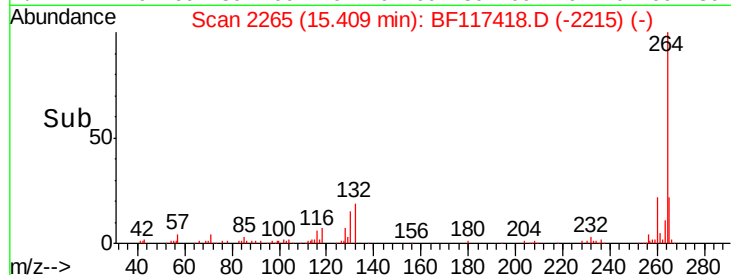
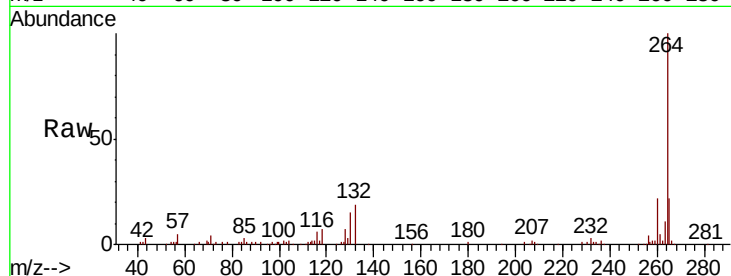
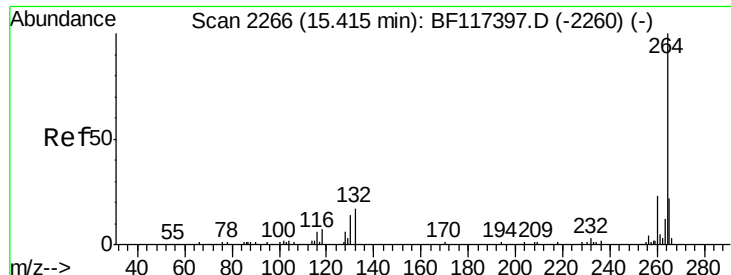


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117418.D
 Acq: 16 Oct 2019 17:19

Instrument :
 BNA_F
 ClientSampleId :
 COMP-32

Tot Ion:	264	Resp:	148470
Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.6	27.8
265	22.1	17.4	26.0

