

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101719\
 Data File : BF117426.D
 Acq On : 17 Oct 2019 17:03
 Operator : JU
 Sample : PB124065TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB124065TB

Quant Time: Oct 18 03:54:38 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

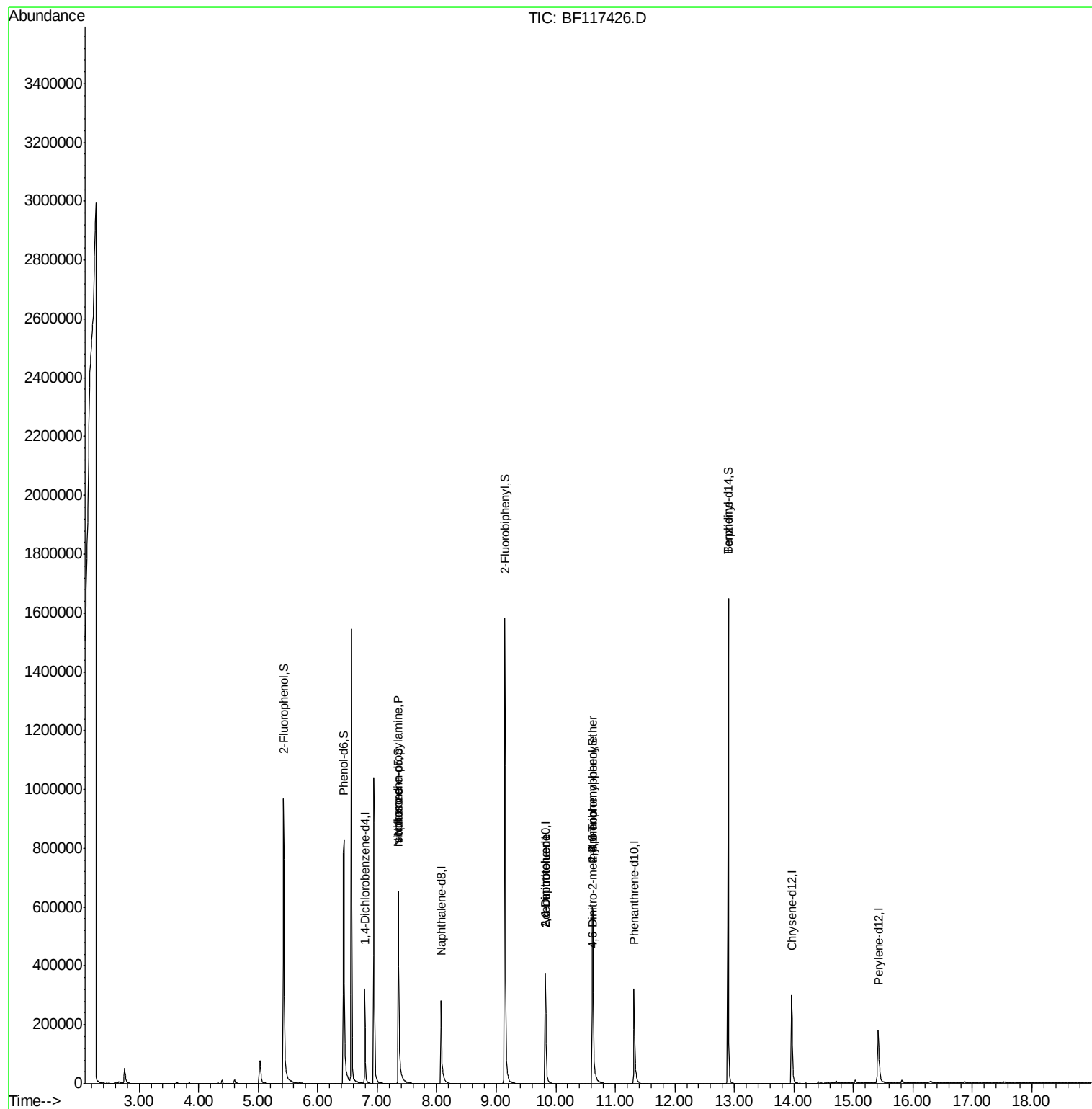
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	53667	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	220855	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	115462	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	189831	20.00	ng	0.00
76) Chrysene-d12	13.96	240	146177	20.00	ng	0.00
87) Perylene-d12	15.42	264	134848	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	342450	98.18	ng	0.01
7) Phenol-d6	6.44	99	414444	89.55	ng	0.00
23) Nitrobenzene-d5	7.36	82	329013	75.51	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	100531	106.98	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	589147	74.39	ng	0.00
79) Terphenyl-d14	12.90	244	584553	65.19	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	306	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	43125	14.615	ng	# 1
25) Isophorone	7.36	82	329032	42.394	ng	# 77
51) 2,6-Dinitrotoluene	9.83	165	13949	8.003	ng	# 67
57) 2,4-Dinitrotoluene	9.83	165	13949	6.065	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.63	198	217	5.383	ng	# 12
67) 4-Bromophenyl-phenylether	10.62	248	6067	2.914	ng	# 29
77) Benzydine	12.90	184	7964	2.203	ng	# 1
						99

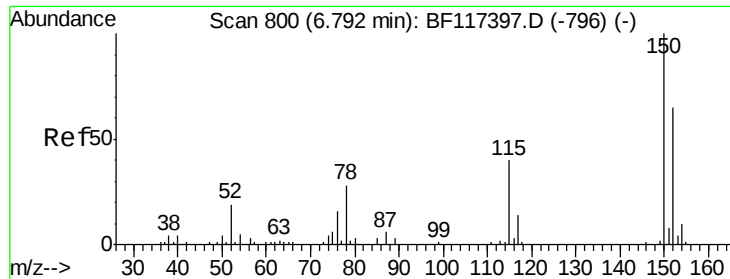
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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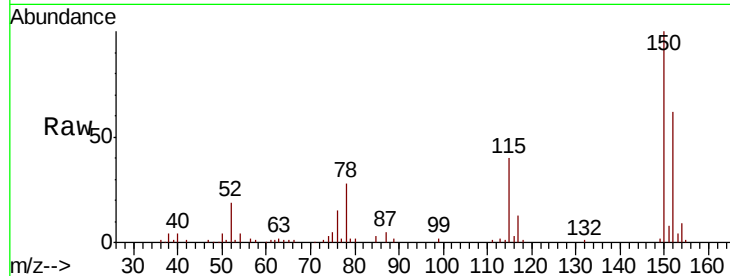


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF117426.D
Acq: 17 Oct 2019 17:03

Instrument :
BNA_F
ClientSampleId :
PB124065TB

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.0	122.7	184.1
115	64.2	48.6	73.0

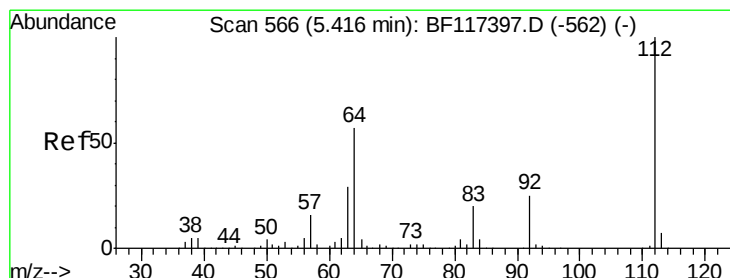
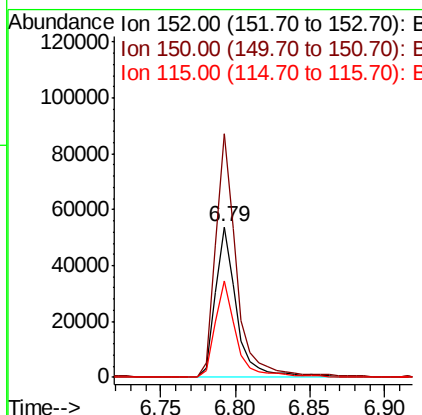
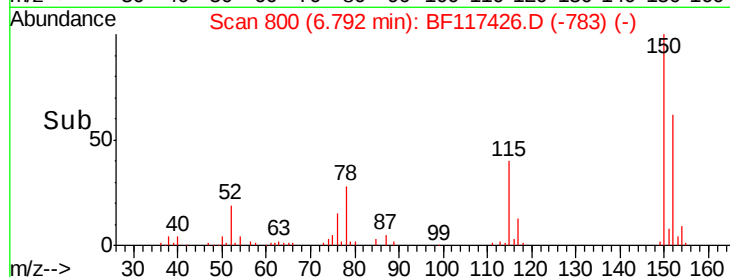


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

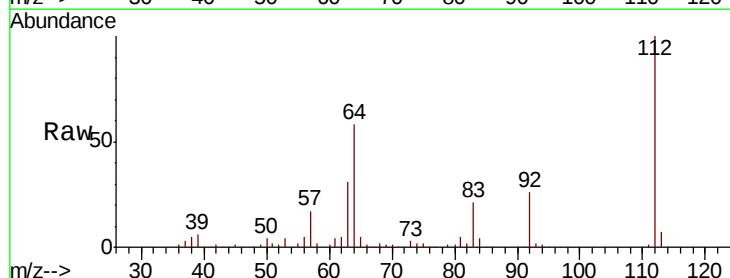
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.180 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF117426.D
Acq: 17 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	45.2	67.8
63	31.0	23.4	35.2

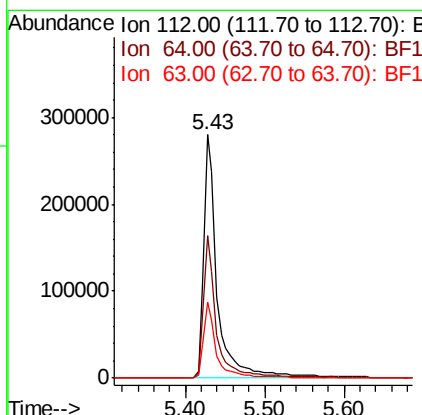
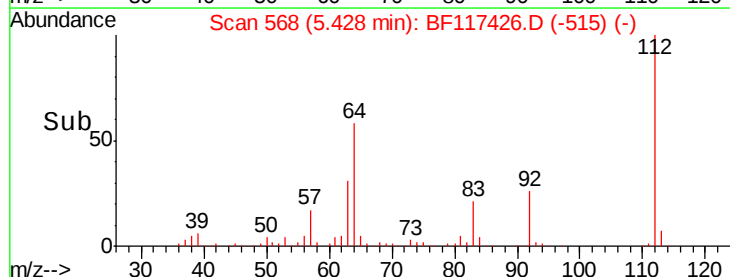


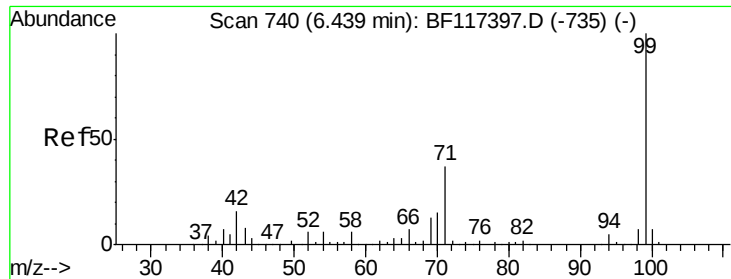
Abundance

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





#7

Phenol-d6

Concen: 89.554 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF117426.D

Acq: 17 Oct 2019 17:03

Instrument :

BNA_F

ClientSampleId :

PB124065TB

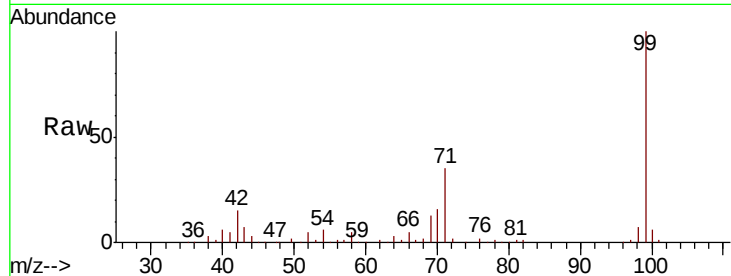
Tot Ion: 99 Resp: 414444

Ion Ratio Lower Upper

99 100

42 14.7 12.5 18.7

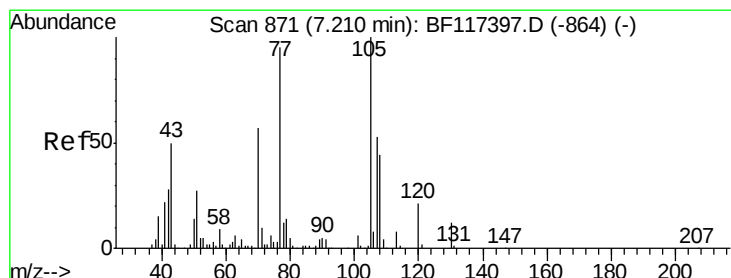
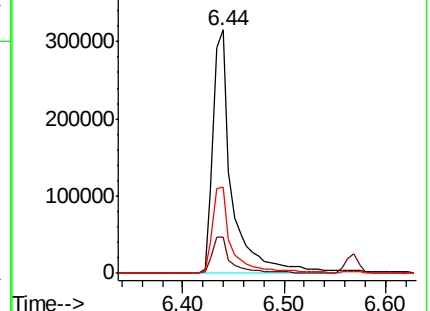
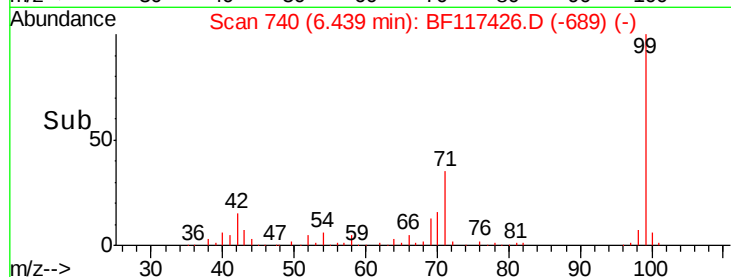
71 35.2 29.2 43.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.615 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF117426.D

Acq: 17 Oct 2019 17:03

Tgt Ion: 70 Resp: 43125

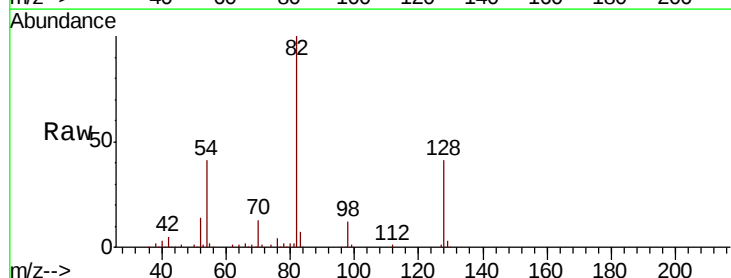
Ion Ratio Lower Upper

70 100

42 39.5 39.8 59.8#

101 0.0 8.1 12.1#

130 2.3 16.4 24.6#

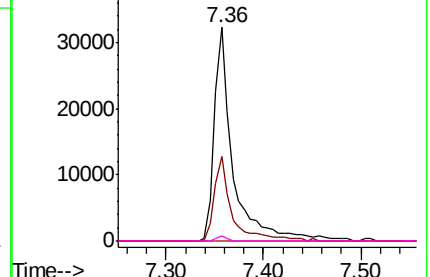
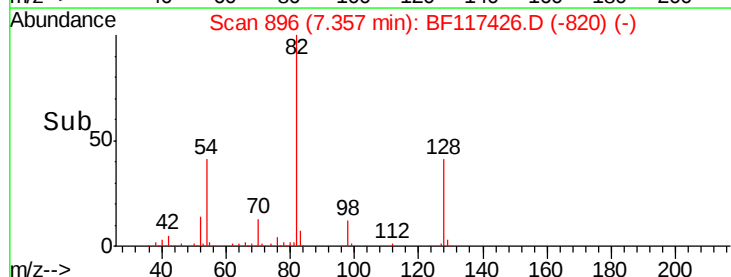


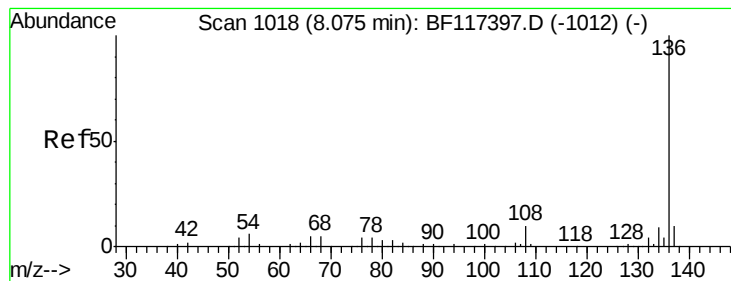
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF117426.D

Acq: 17 Oct 2019 17:03

Instrument :

BNA_F

ClientSampleId :

PB124065TB

Tot Ion:136 Resp: 220855

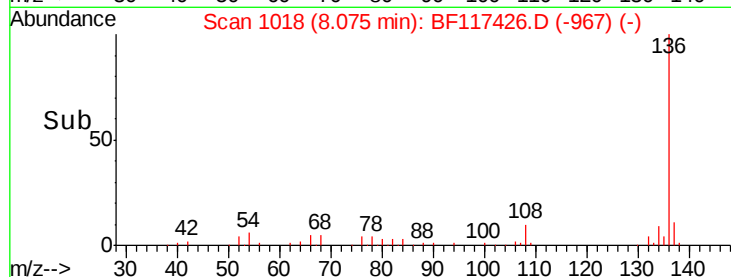
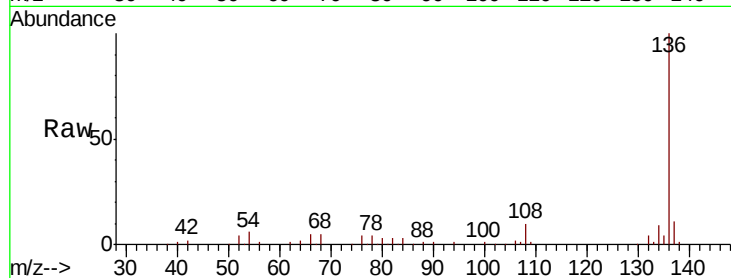
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 5.9 4.6 6.8

68 4.6 3.8 5.8

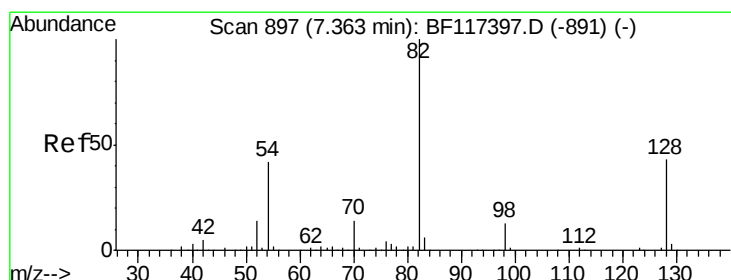
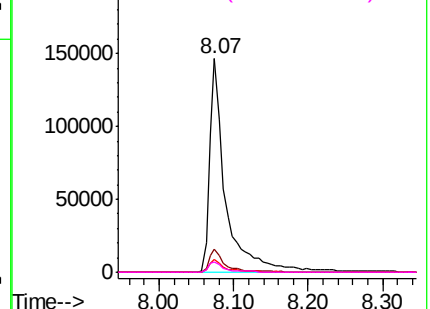


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 75.515 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF117426.D

Acq: 17 Oct 2019 17:03

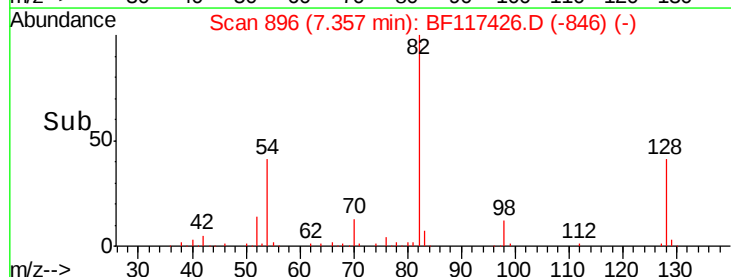
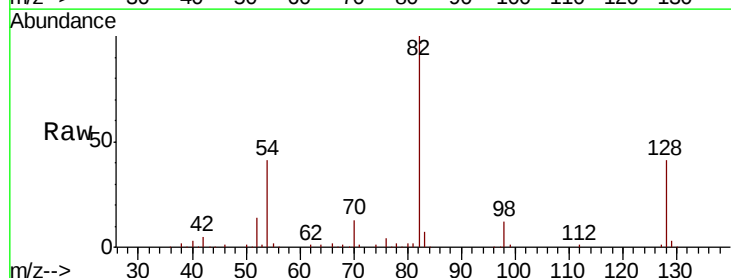
Tgt Ion: 82 Resp: 329013

Ion Ratio Lower Upper

82 100

128 41.1 34.1 51.1

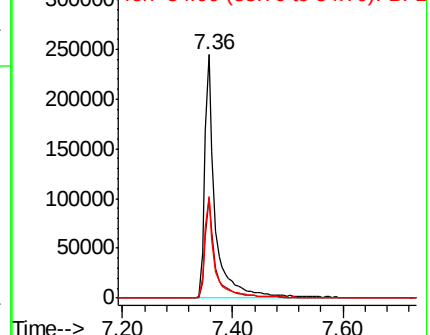
54 41.4 33.3 49.9

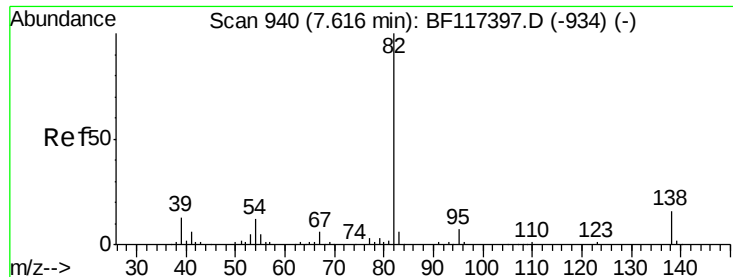


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.394 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF117426.D

Acq: 17 Oct 2019 17:03

Instrument :

BNA_F

ClientSampleId :

PB124065TB

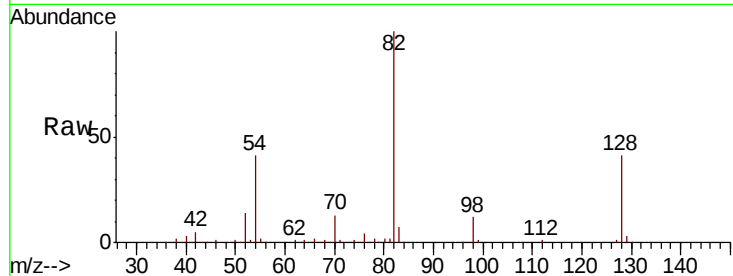
Tot Ion: 82 Resp: 329032

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

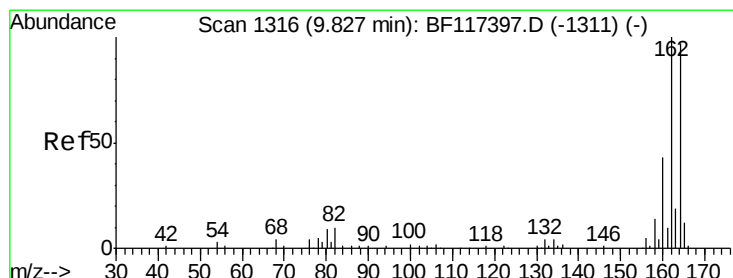
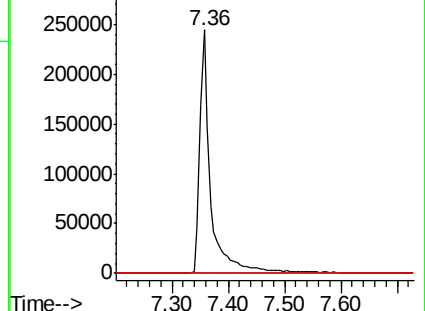
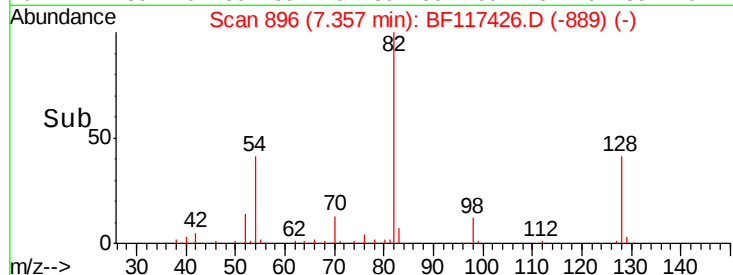
138 0.0 13.0 19.4#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF117426.D

Acq: 17 Oct 2019 17:03

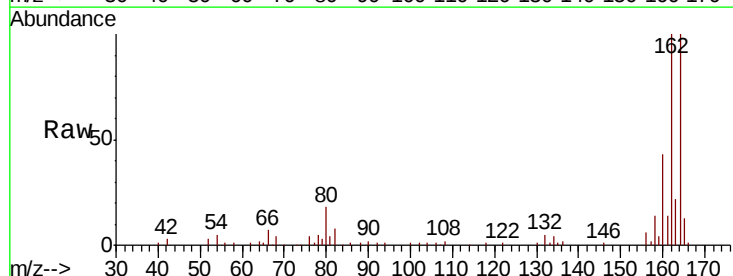
Tgt Ion: 164 Resp: 115462

Ion Ratio Lower Upper

164 100

162 100.2 82.4 123.6

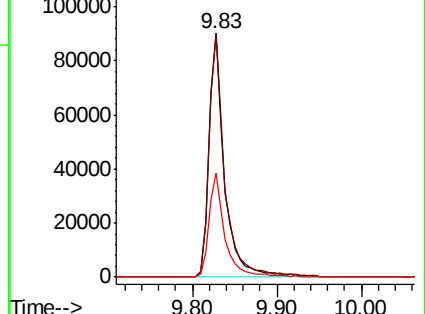
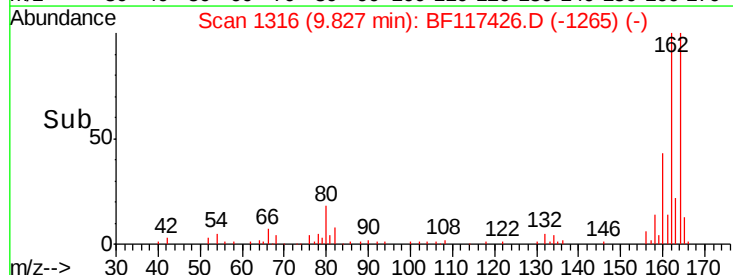
160 42.6 35.4 53.0

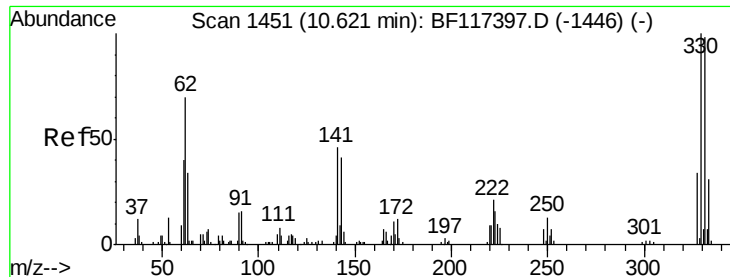


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

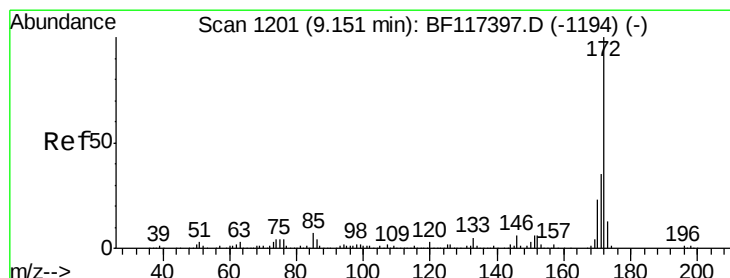
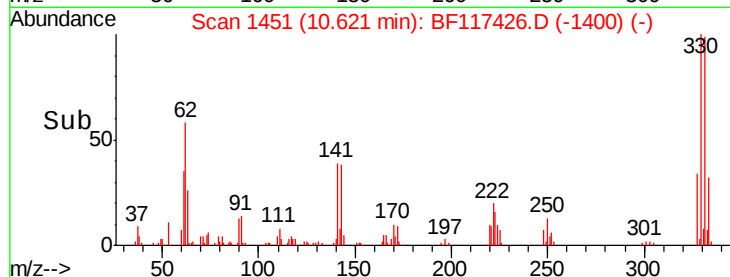
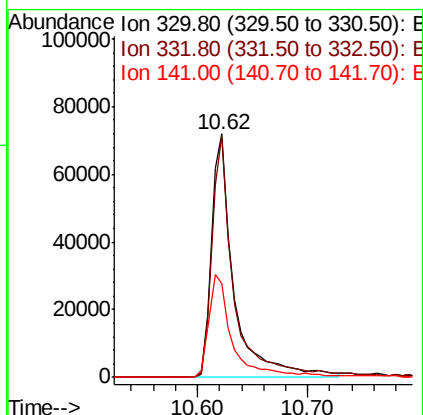
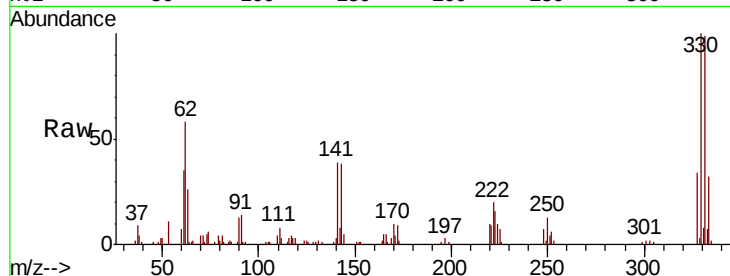




#42
 2,4,6-Tribromophenol
 Concen: 106.981 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF117426.D
 Acq: 17 Oct 2019 17:03

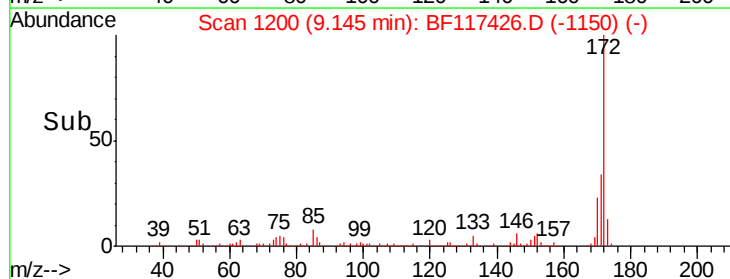
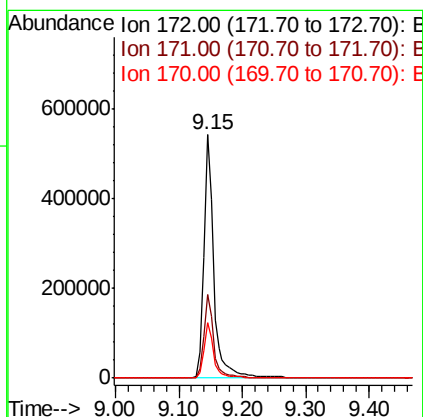
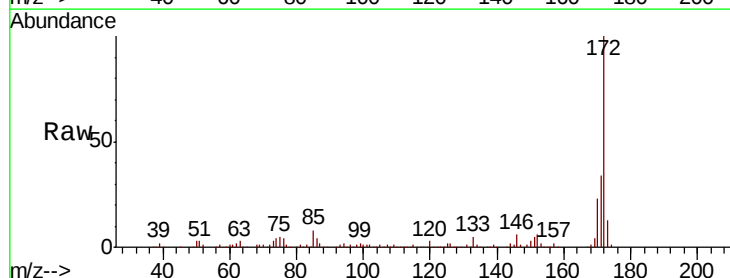
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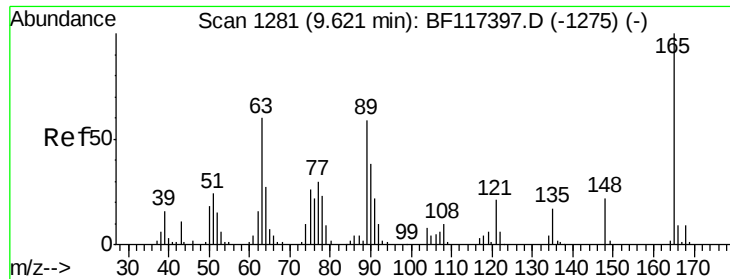
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	75.0	112.6
141	43.8	34.2	51.4



#45
 2-Fluorobiphenyl
 Concen: 74.389 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF117426.D
 Acq: 17 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.2	42.2
170	22.9	18.2	27.2

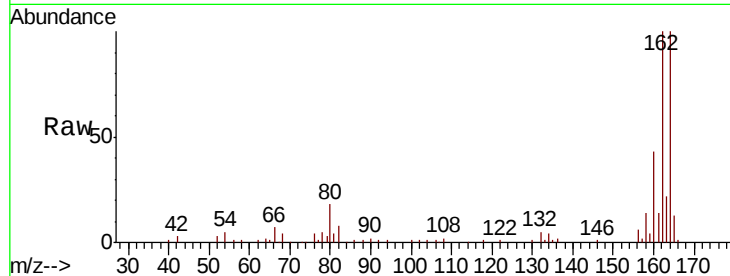




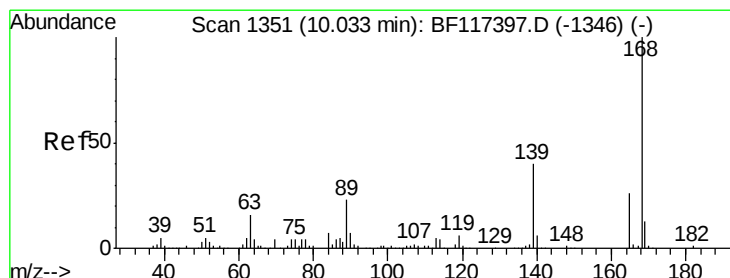
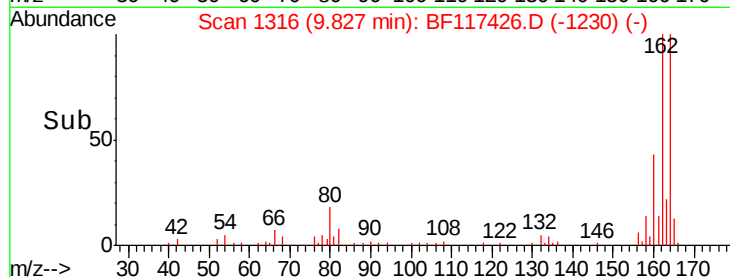
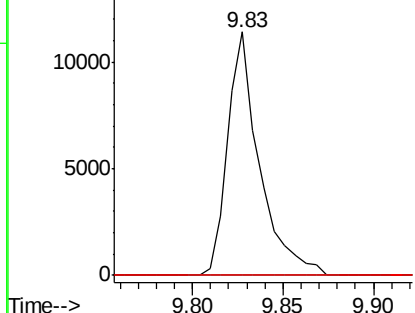
#51
 2,6-Dinitrotoluene
 Concen: 8.003 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF117426.D
 Acq: 17 Oct 2019 17:03

Instrument :
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Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.8	71.6#
89	0.0	47.4	71.0#

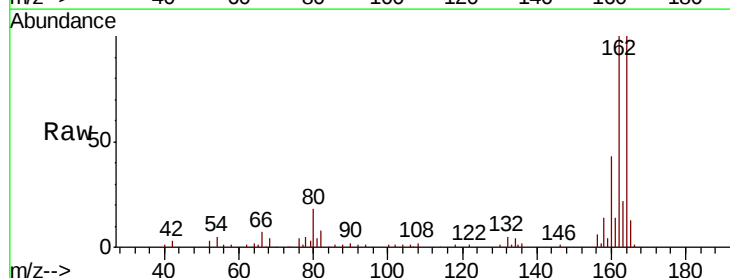


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

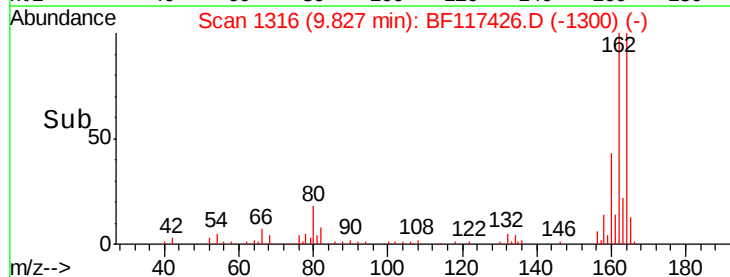
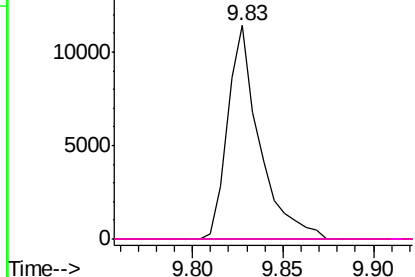


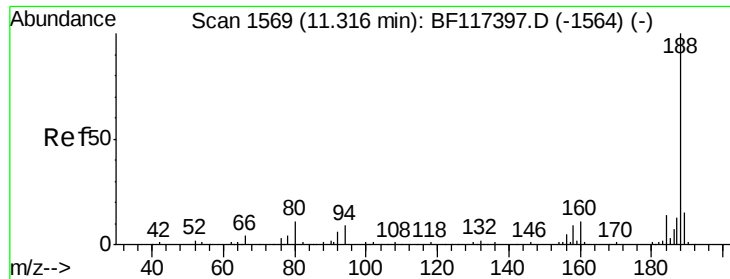
#57
 2,4-Dinitrotoluene
 Concen: 6.065 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF117426.D
 Acq: 17 Oct 2019 17:03

Tgt 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: BF117426.D

Acq: 17 Oct 2019 17:03

Instrument :

BNA_F

ClientSampleId :

PB124065TB

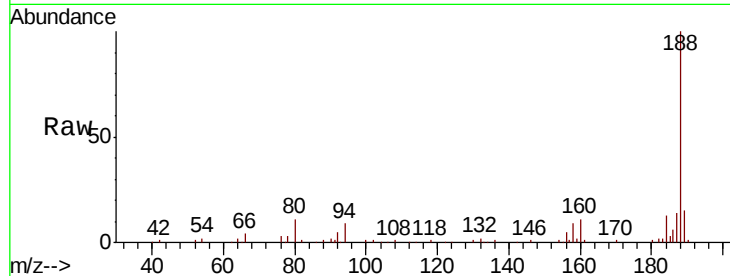
Tot Ion:188 Resp: 189831

Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

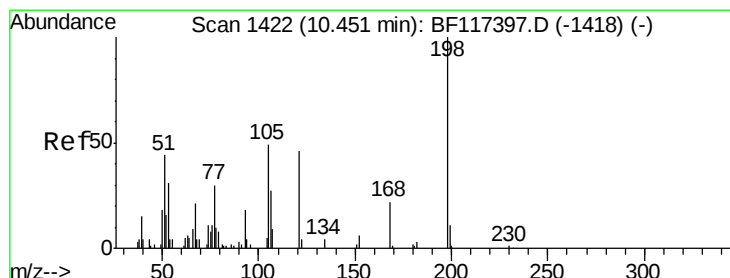
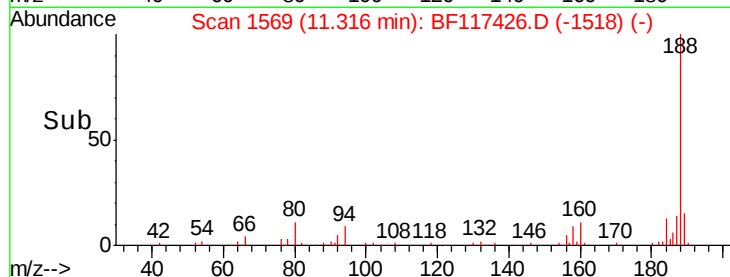
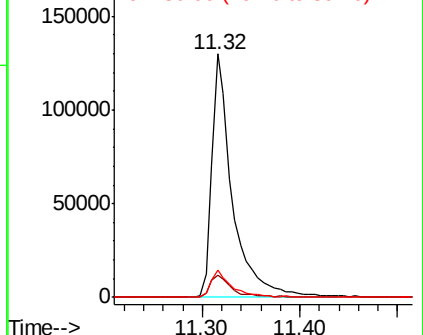
80 11.4 8.7 13.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 5.383 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF117426.D

Acq: 17 Oct 2019 17:03

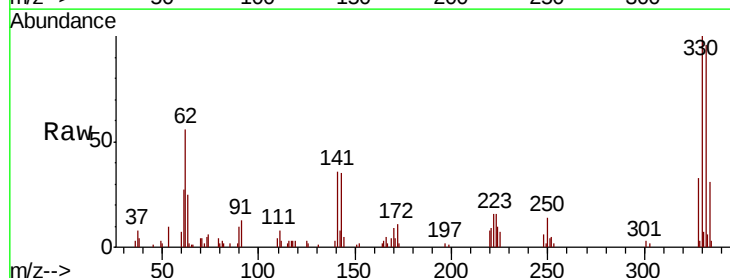
Tgt Ion:198 Resp: 217

Ion Ratio Lower Upper

198 100

51 0.0 25.9 65.9#

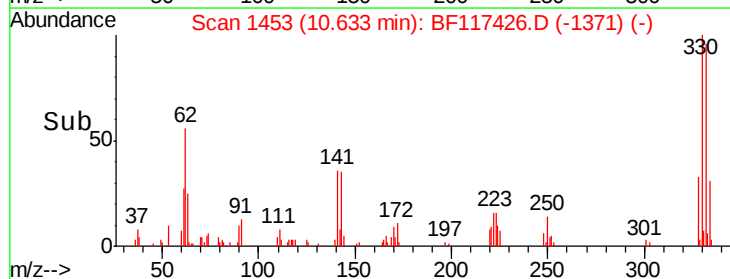
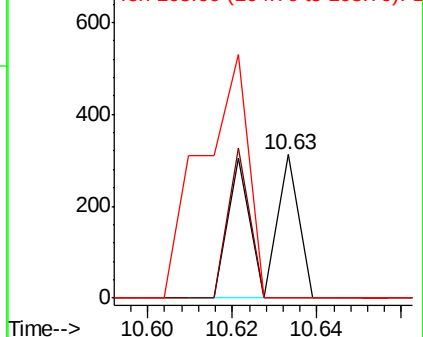
105 0.0 29.4 69.4#

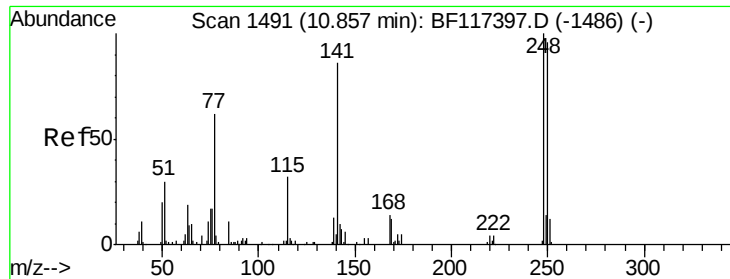


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

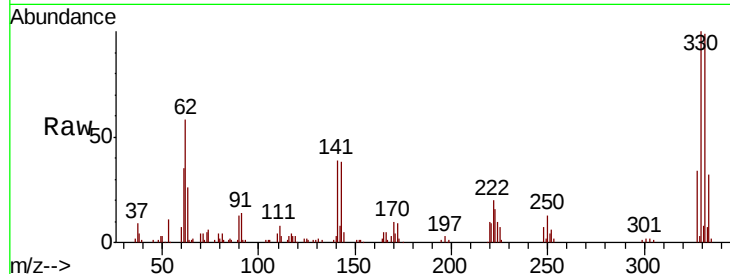




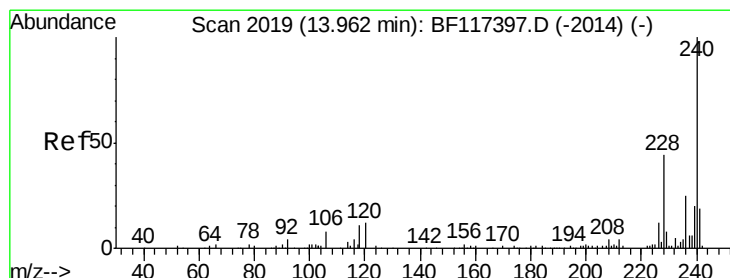
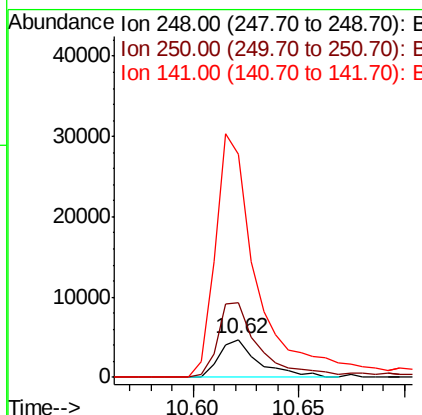
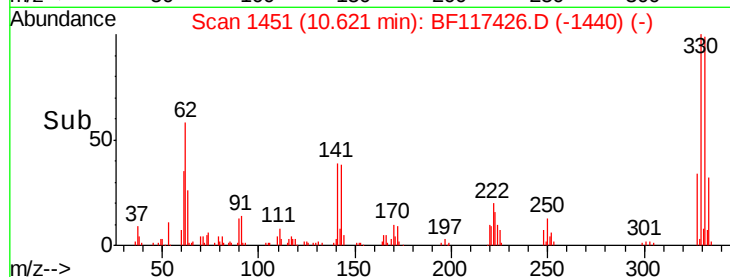
#67
 4-Bromophenyl-phenylether
 Concen: 2.914 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.24 min
 Lab File: BF117426.D
 Acq: 17 Oct 2019 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB124065TB

Tot Ion:248 Resp: 6067
 Ion Ratio Lower Upper
 248 100
 250 197.8 77.1 115.7#
 141 588.6 69.1 103.7#

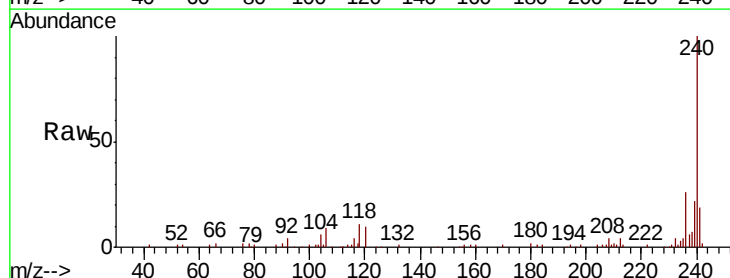


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

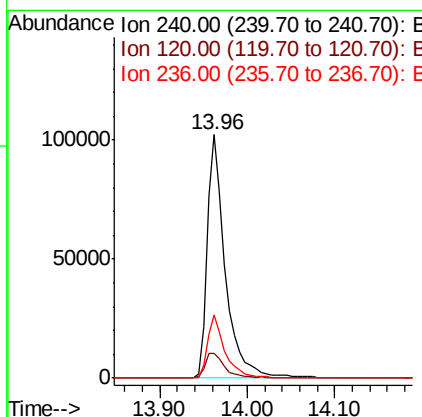
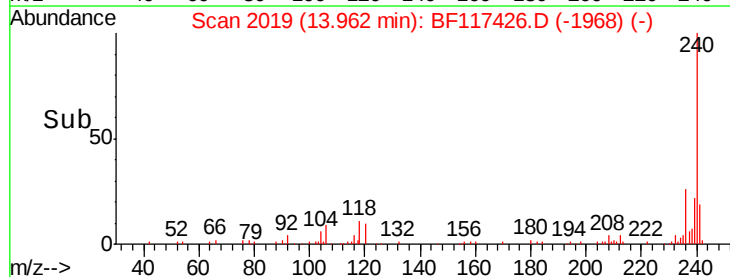


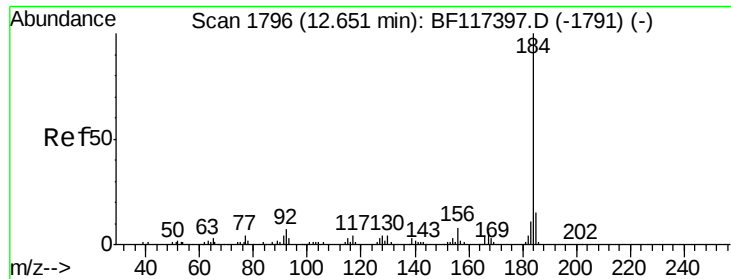
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF117426.D
 Acq: 17 Oct 2019 17:03

Tgt Ion:240 Resp: 146177
 Ion Ratio Lower Upper
 240 100
 120 10.4 9.4 14.0
 236 25.9 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: 2.203 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.25 min

Lab File: BF117426.D

Acq: 17 Oct 2019 17:03

Instrument :

BNA_F

ClientSampleId :

PB124065TB

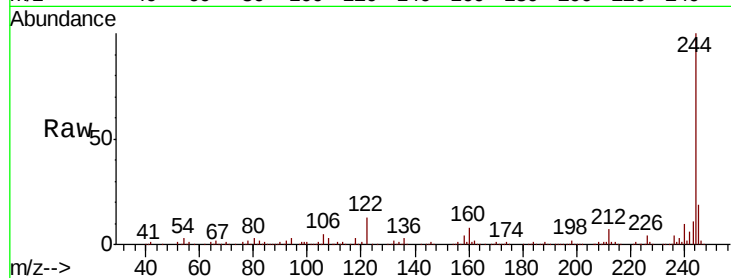
Tot Ion:184 Resp: 7964

Ion Ratio Lower Upper

184 100

185 14.8 12.2 18.2

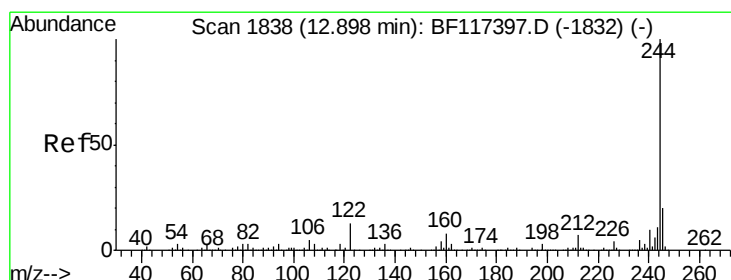
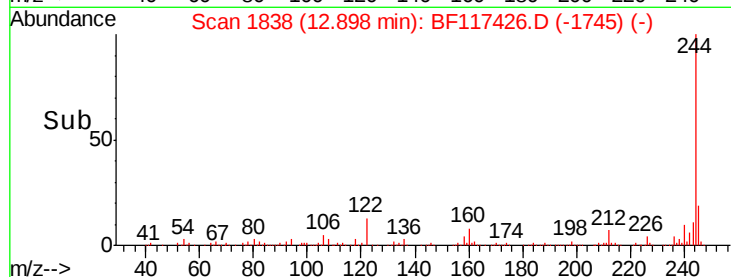
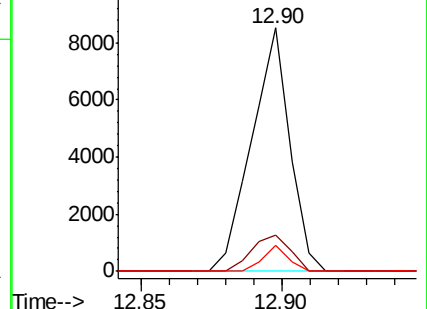
183 10.7 8.9 13.3



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: 65.189 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF117426.D

Acq: 17 Oct 2019 17:03

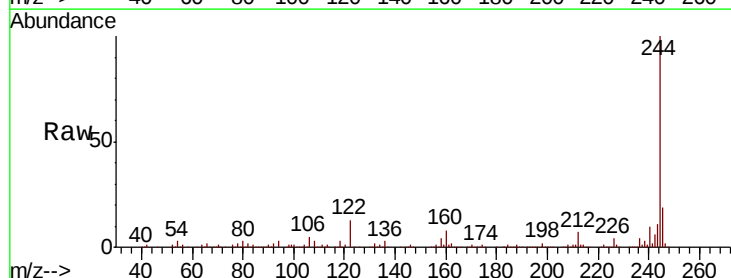
Tgt Ion:244 Resp: 584553

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

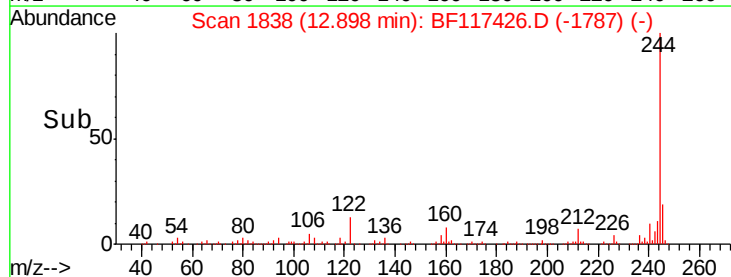
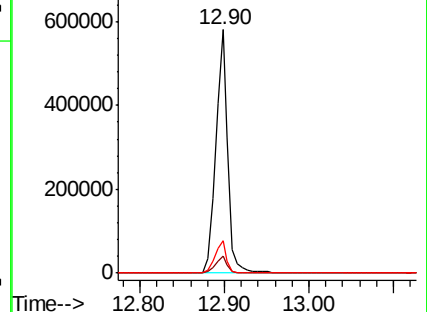
122 13.2 10.7 16.1

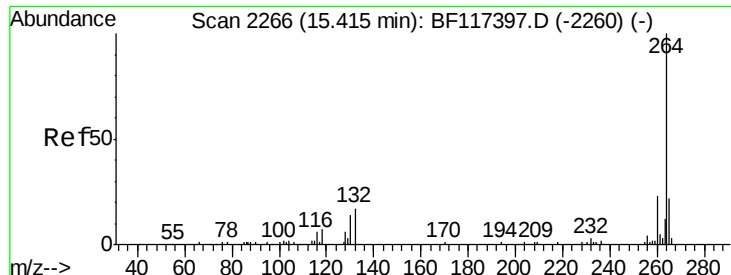


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



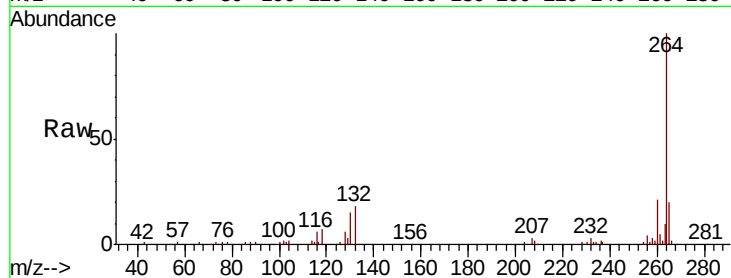


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF117426.D
Acq: 17 Oct 2019 17:03

Instrument :
BNA_F
ClientSampleId :
PB124065TB

Tot Ion: 264 Resp: 134848

Ion	Ratio	Lower	Upper
264	100		
260	21.2	18.6	27.8
265	20.4	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

