

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101719\
 Data File : BF117425.D
 Acq On : 17 Oct 2019 16:37
 Operator : JU
 Sample : PB124065BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB124065BL

Quant Time: Oct 18 03:54:30 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

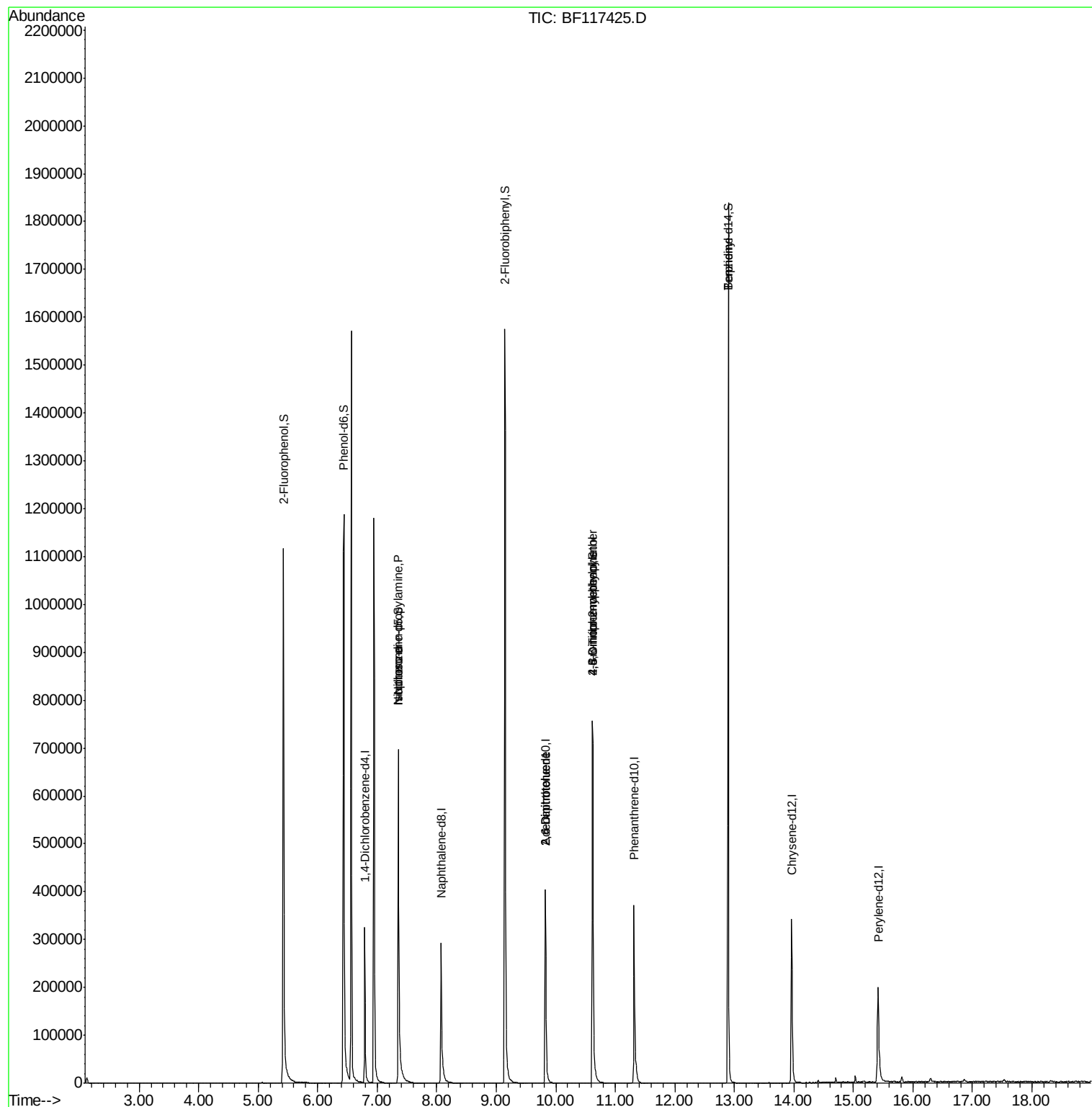
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	58214	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	231749	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	124092	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	210794	20.00	ng	0.00
76) Chrysene-d12	13.96	240	158850	20.00	ng	0.00
87) Perylene-d12	15.42	264	142772	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	402685	106.43	ng	0.01
7) Phenol-d6	6.44	99	545881	108.74	ng	0.00
23) Nitrobenzene-d5	7.36	82	344892	75.44	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	114555	113.43	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	635069	74.61	ng	0.00
79) Terphenyl-d14	12.90	244	655635	67.28	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	582	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	45676	14.270	ng	# 1
25) Isophorone	7.36	82	344890	42.348	ng	# 77
51) 2,6-Dinitrotoluene	9.83	165	15378	8.209	ng	# 67
57) 2,4-Dinitrotoluene	9.83	165	15378	6.222	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.62	198	106	5.276	ng	# 12
67) 4-Bromophenyl-phenylether	10.62	248	6966	3.013	ng	# 1
77) Benzidine	12.90	184	9074	2.310	ng	# 98

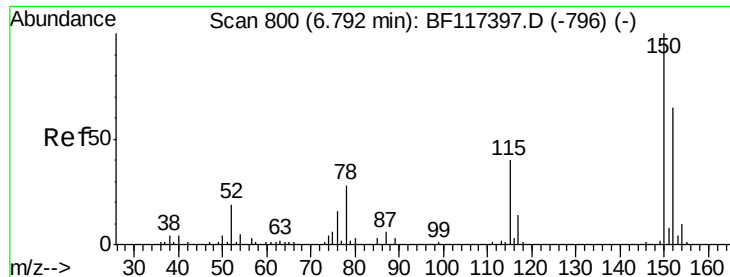
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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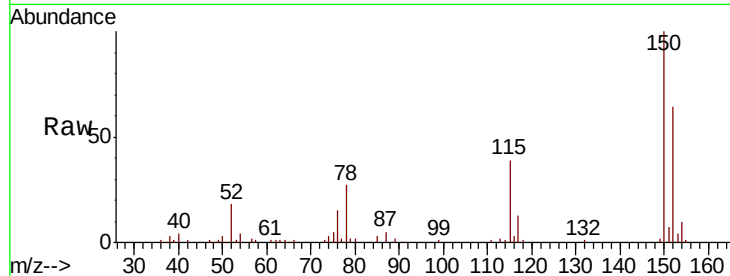


#1

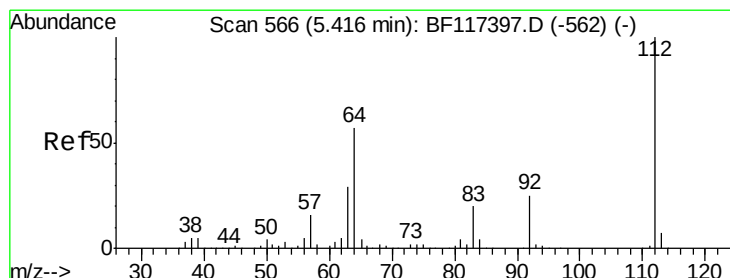
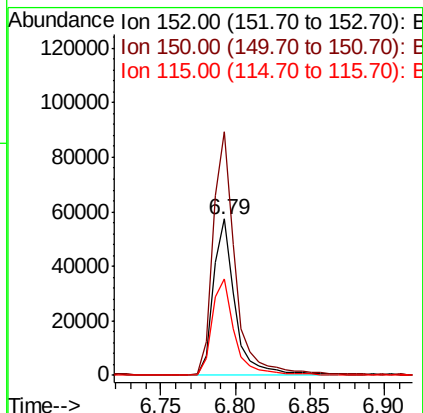
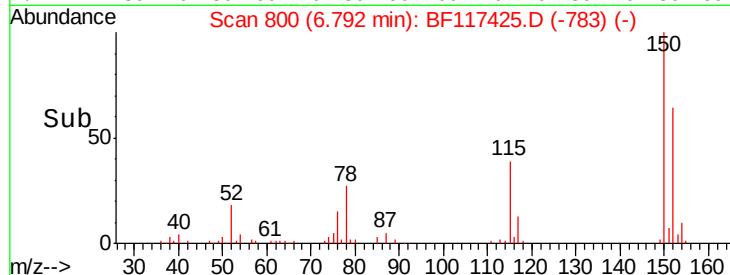
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF117425.D
Acq: 17 Oct 2019 16:37

Instrument :
BNA_F
ClientSampleId :
PB124065BL

Tot Ion:152 Resp: 58214
Ion Ratio Lower Upper
152 100
150 156.1 122.7 184.1
115 61.4 48.6 73.0



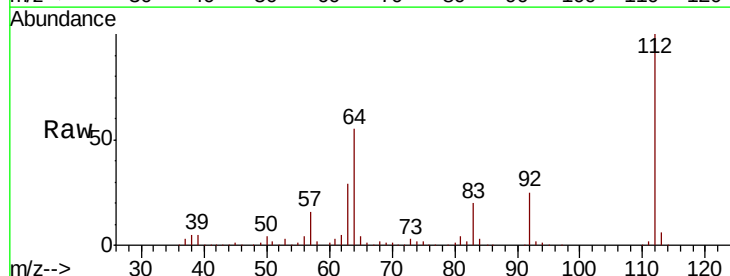
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



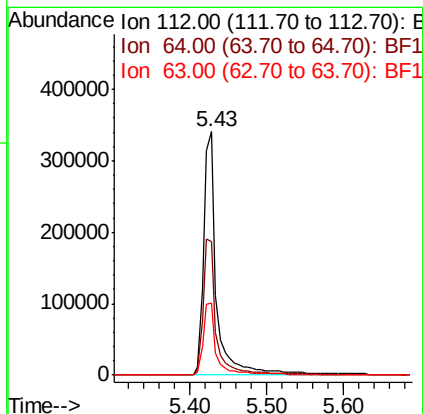
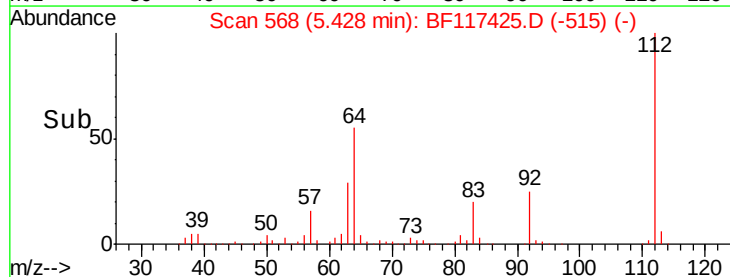
#5

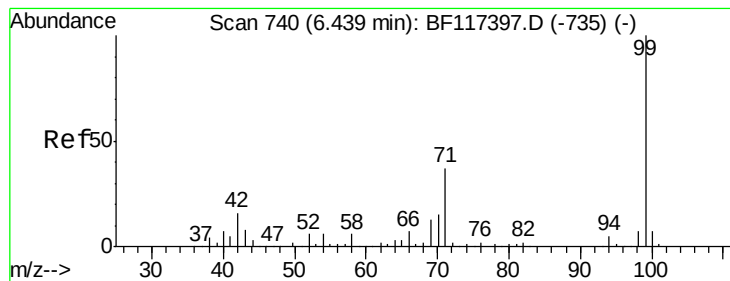
2-Fluorophenol
Concen: 106.432 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF117425.D
Acq: 17 Oct 2019 16:37

Tgt Ion:112 Resp: 402685
Ion Ratio Lower Upper
112 100
64 55.0 45.2 67.8
63 29.4 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: 108.742 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF117425.D

Acq: 17 Oct 2019 16:37

Instrument :

BNA_F

ClientSampleId :

PB124065BL

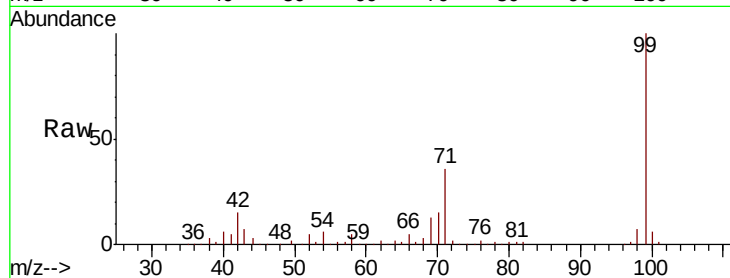
Tot Ion: 99 Resp: 545881

Ion Ratio Lower Upper

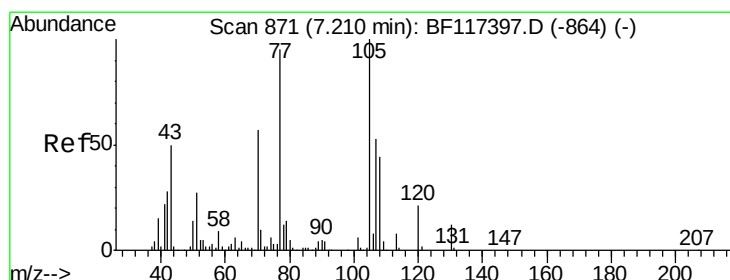
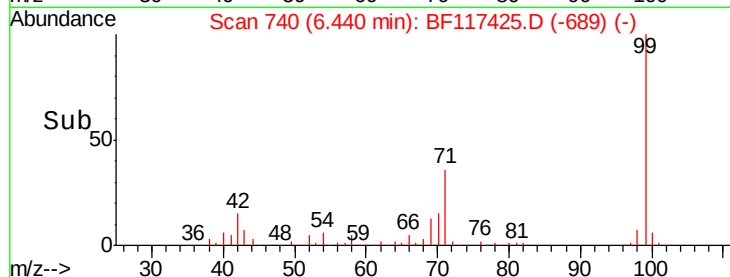
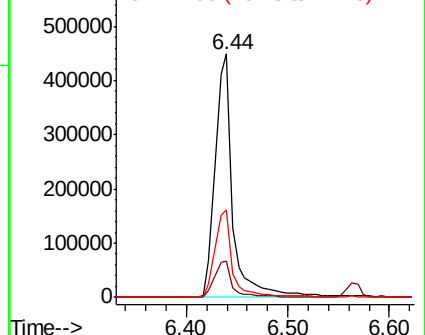
99 100

42 15.0 12.5 18.7

71 36.1 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: 14.270 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF117425.D

Acq: 17 Oct 2019 16:37

Tgt Ion: 70 Resp: 45676

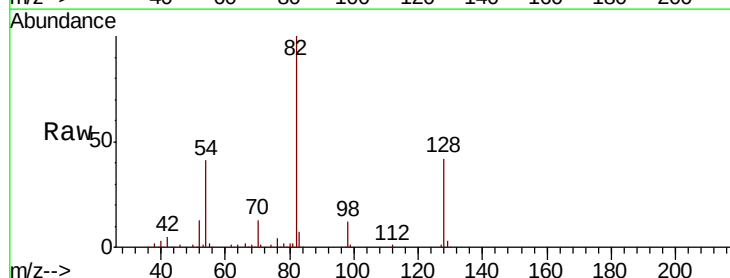
Ion Ratio Lower Upper

70 100

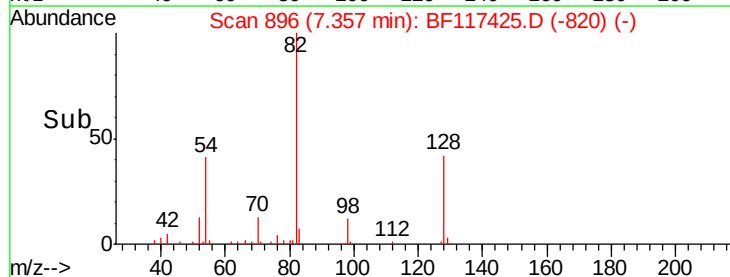
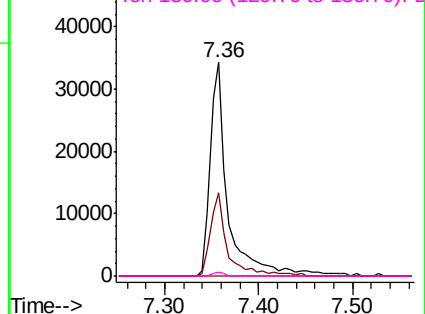
42 39.1 39.8 59.8#

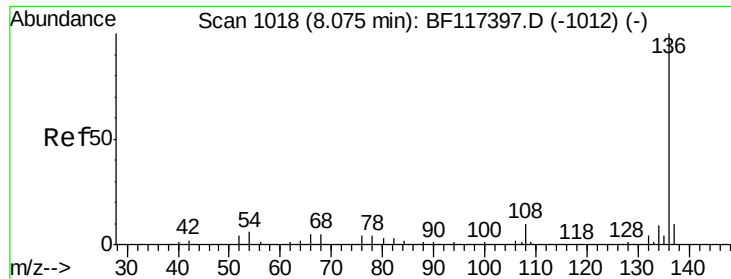
101 0.0 8.1 12.1#

130 2.1 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

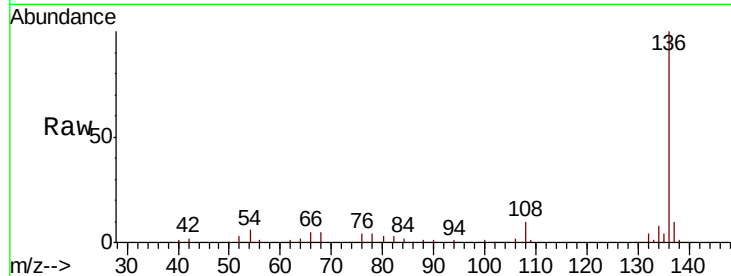




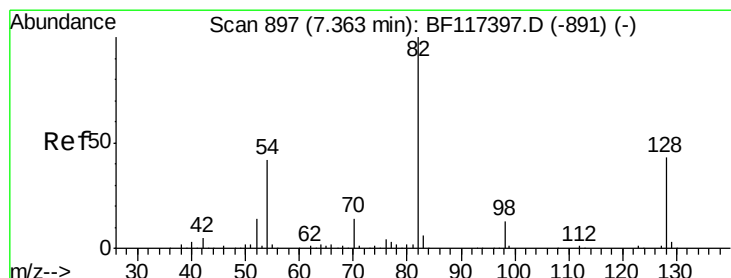
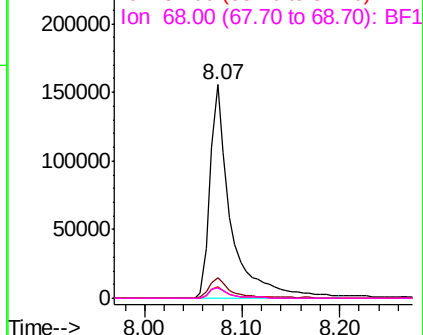
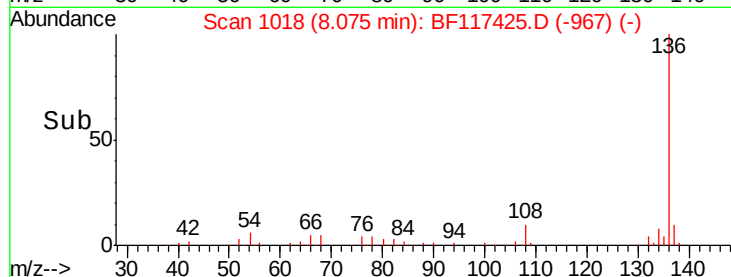
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117425.D
Acq: 17 Oct 2019 16:37

Instrument :
BNA_F
ClientSampleId :
PB124065BL

Tot Ion:136	Resp:	231749
Ion Ratio	Lower	Upper
136	100	
137	9.8	8.4 12.6
54	5.5	4.6 6.8
68	4.6	3.8 5.8

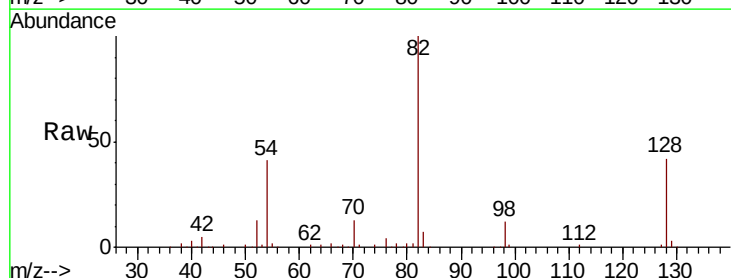


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

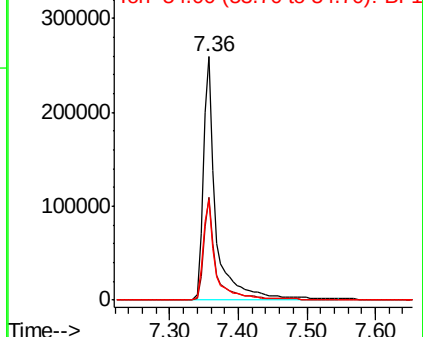
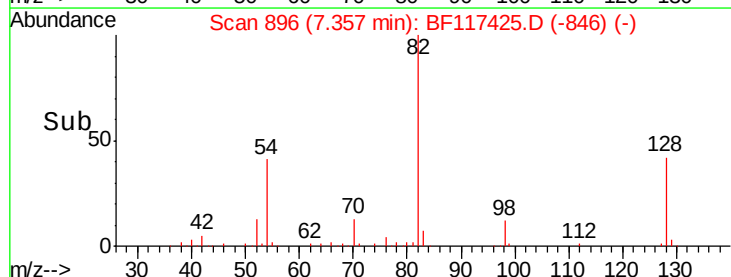


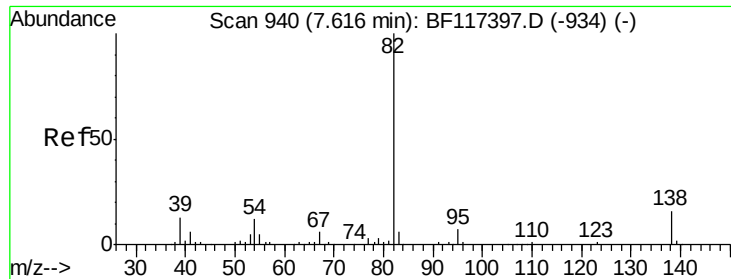
#23
Nitrobenzene-d5
Concen: 75.438 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117425.D
Acq: 17 Oct 2019 16:37

Tgt Ion: 82	Resp:	344892
Ion Ratio	Lower	Upper
82	100	
128	42.0	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: 42.348 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF117425.D

Acq: 17 Oct 2019 16:37

Instrument :

BNA_F

ClientSampleId :

PB124065BL

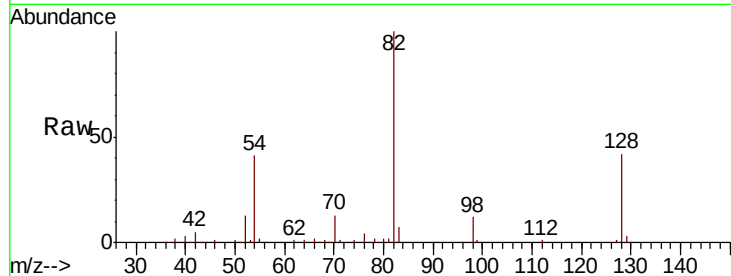
Tot Ion: 82 Resp: 344890

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

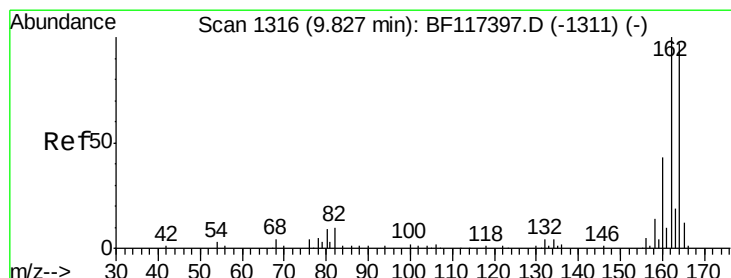
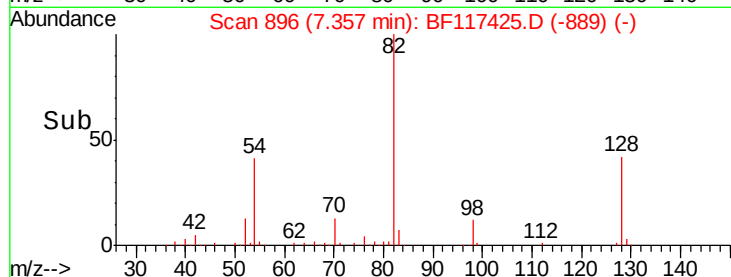
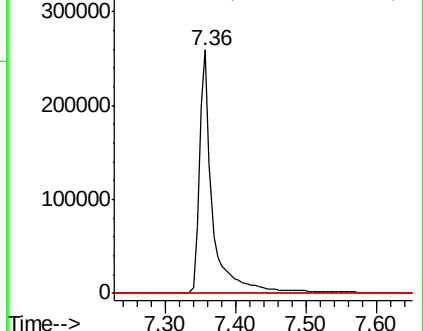
138 0.0 13.0 19.4#



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: BF117425.D

Acq: 17 Oct 2019 16:37

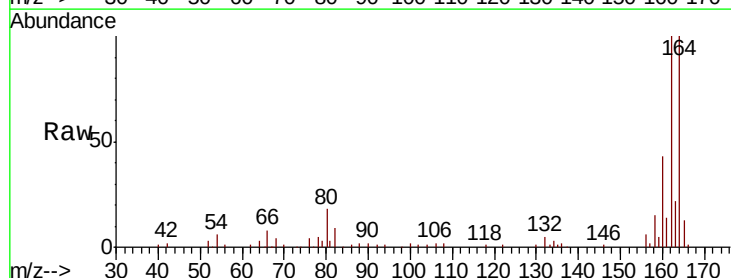
Tgt Ion:164 Resp: 124092

Ion Ratio Lower Upper

164 100

162 100.0 82.4 123.6

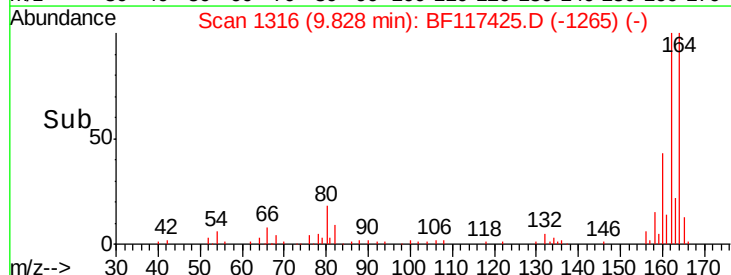
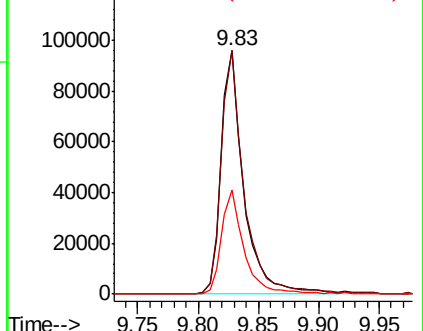
160 42.6 35.4 53.0

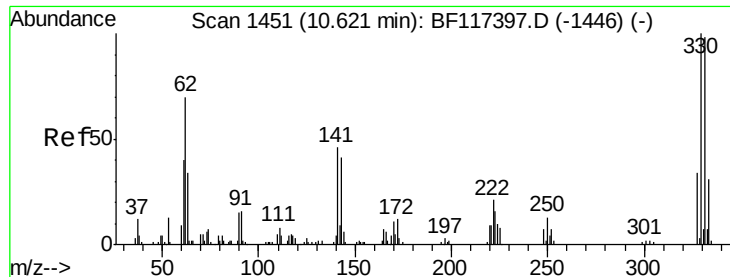


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

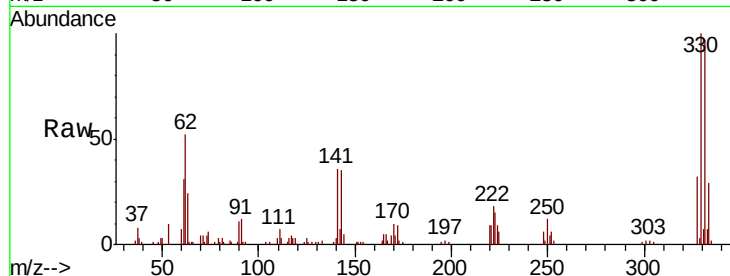




#42
 2,4,6-Tribromophenol
 Concen: 113.427 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF117425.D
 Acq: 17 Oct 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB124065BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	75.0	112.6
141	43.5	34.2	51.4

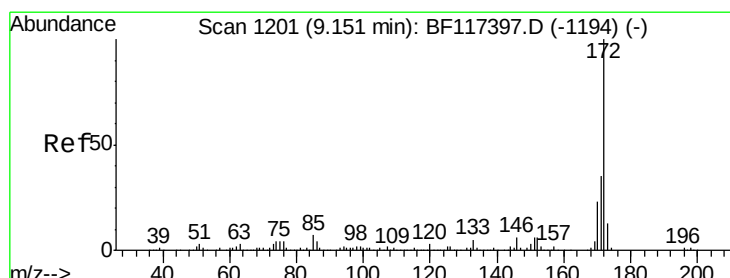
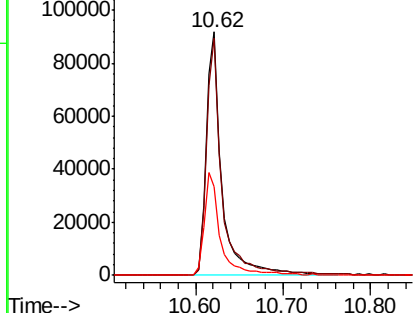
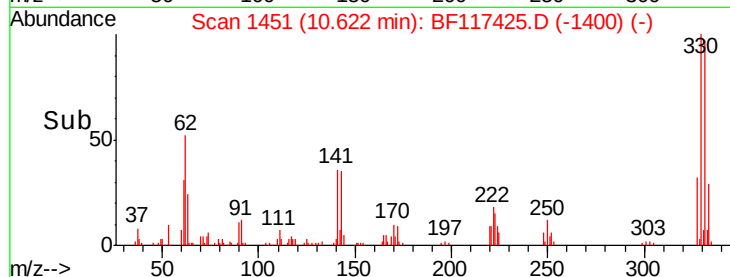


Abundance

Ion 329.80 (329.50 to 330.50): E

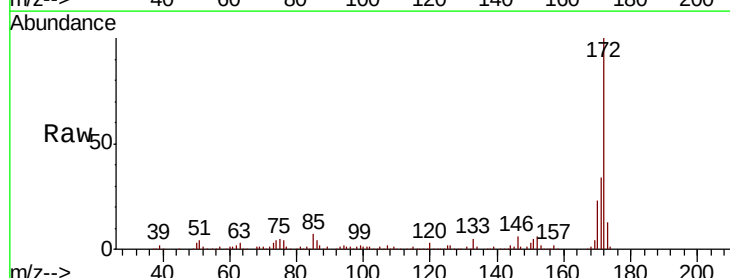
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 74.610 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF117425.D
 Acq: 17 Oct 2019 16:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.2
170	22.6	18.2	27.2

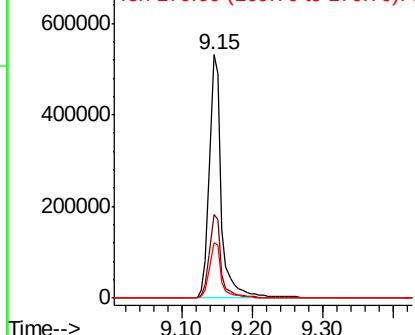
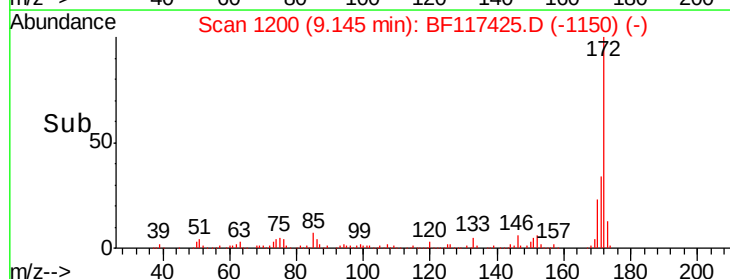


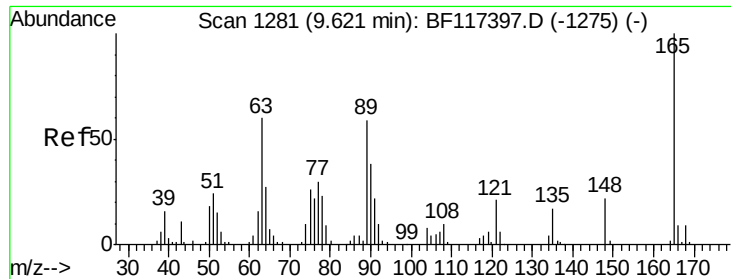
Abundance

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

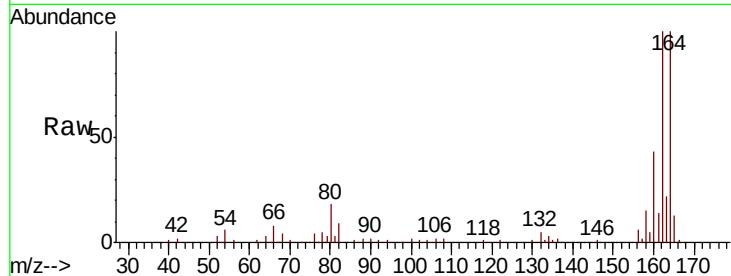




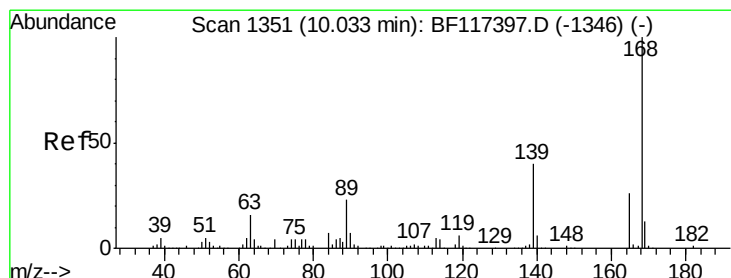
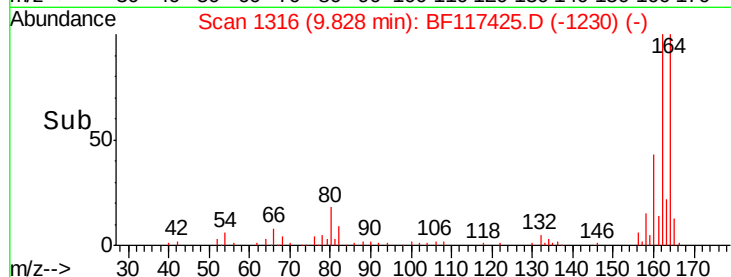
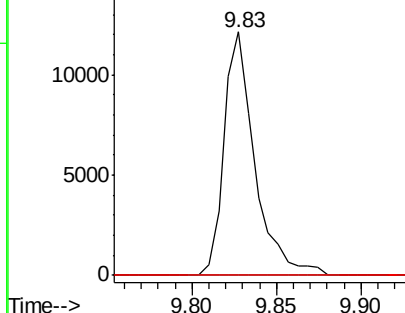
#51
 2,6-Dinitrotoluene
 Concen: 8.209 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF117425.D
 Acq: 17 Oct 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB124065BL

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



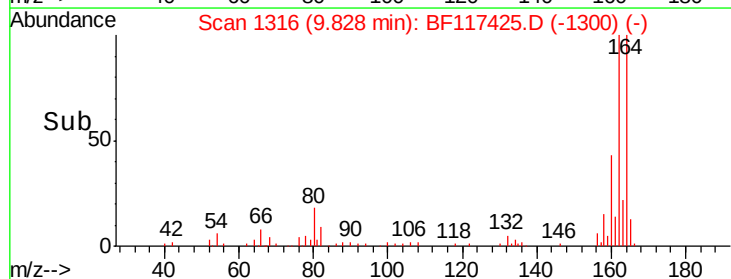
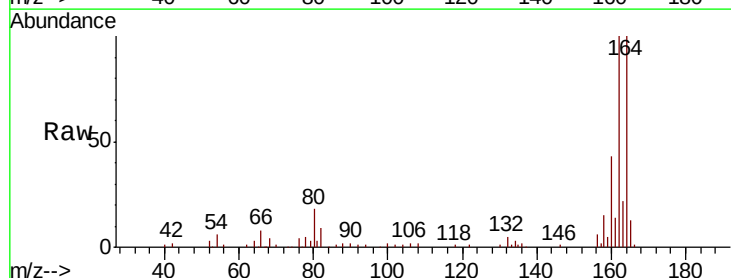
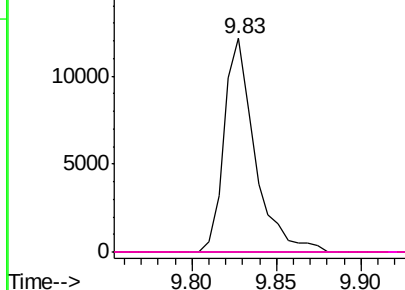
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

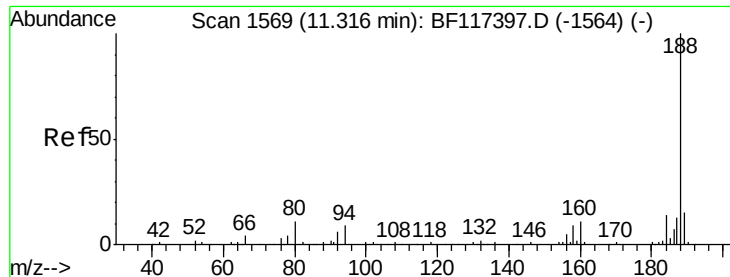


#57
 2,4-Dinitrotoluene
 Concen: 6.222 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF117425.D
 Acq: 17 Oct 2019 16:37

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

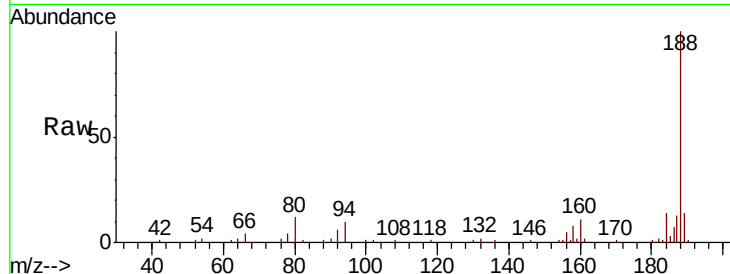




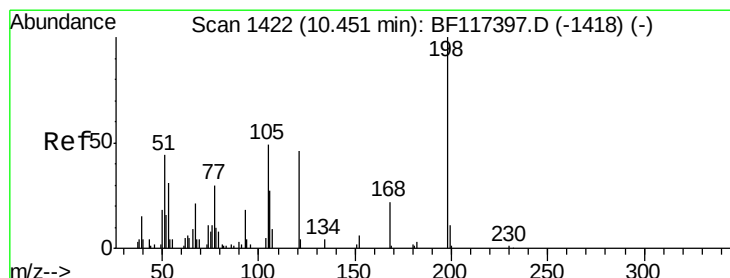
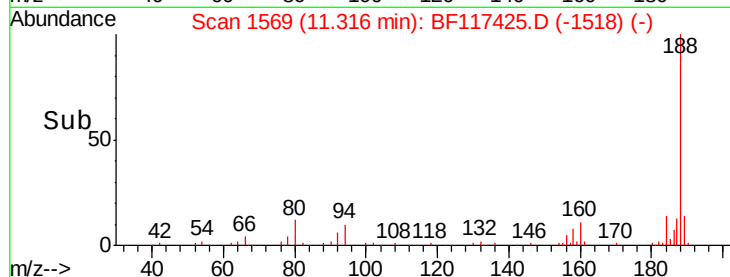
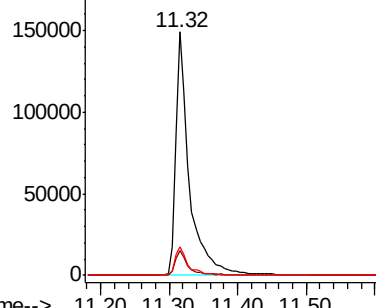
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF117425.D
 Acq: 17 Oct 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB124065BL

Tot Ion:188 Resp: 210794
 Ion Ratio Lower Upper
 188 100
 94 10.1 7.5 11.3
 80 11.5 8.7 13.1

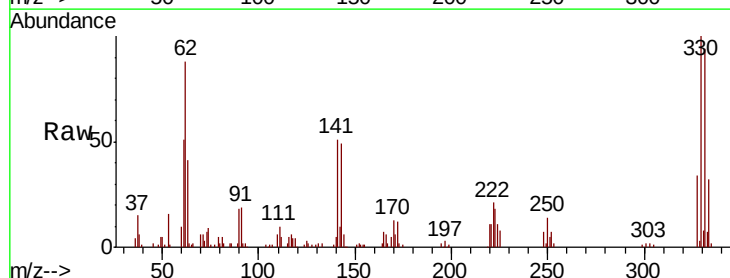


Abundance Ion 188.00 (187.70 to 188.70): E
 200000
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

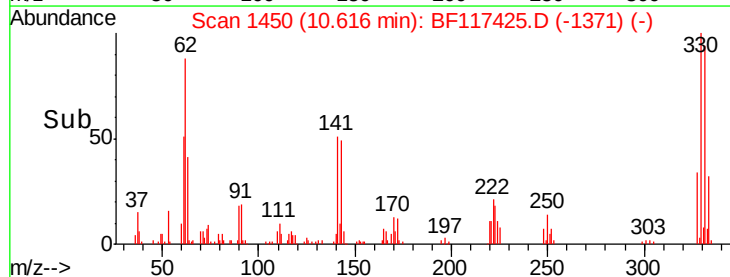
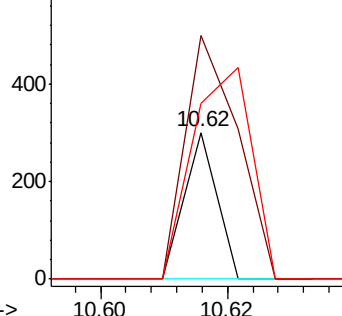


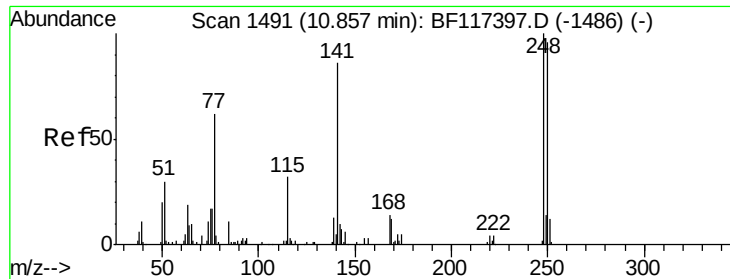
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.276 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.17 min
 Lab File: BF117425.D
 Acq: 17 Oct 2019 16:37

Tgt Ion:198 Resp: 106
 Ion Ratio Lower Upper
 198 100
 51 165.8 25.9 65.9#
 105 119.6 29.4 69.4#



Abundance Ion 198.00 (197.70 to 198.70): E
 600
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

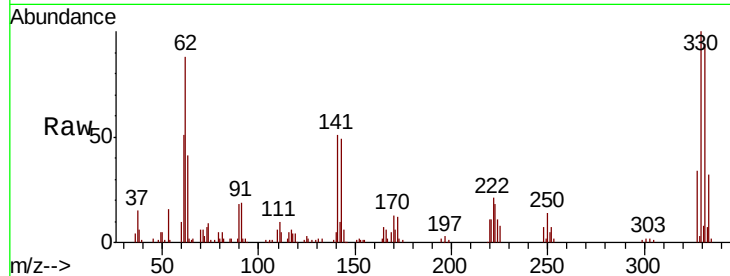




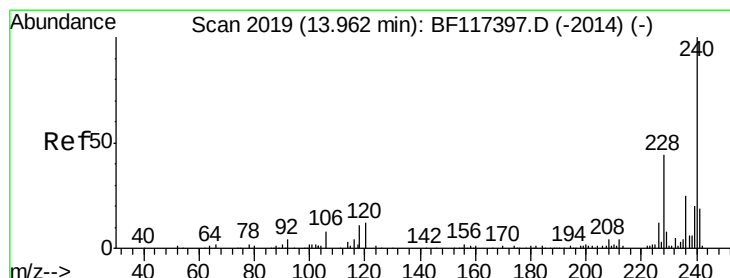
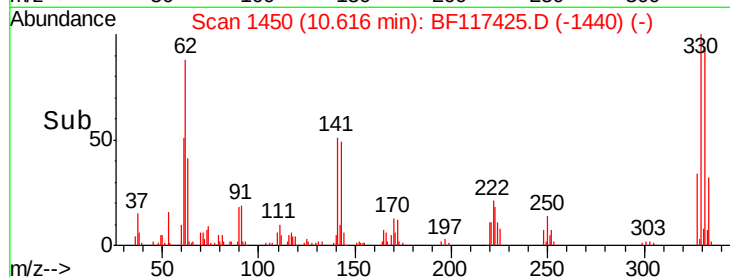
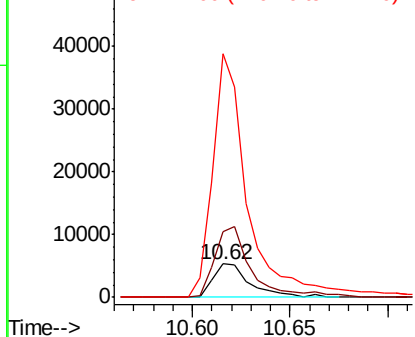
#67
4-Bromophenyl-phenylether
Concen: 3.013 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF117425.D
Acq: 17 Oct 2019 16:37

Instrument :
BNA_F
ClientSampleId :
PB124065BL

Tot Ion:248 Resp: 6966
Ion Ratio Lower Upper
248 100
250 197.9 77.1 115.7#
141 727.2 69.1 103.7#

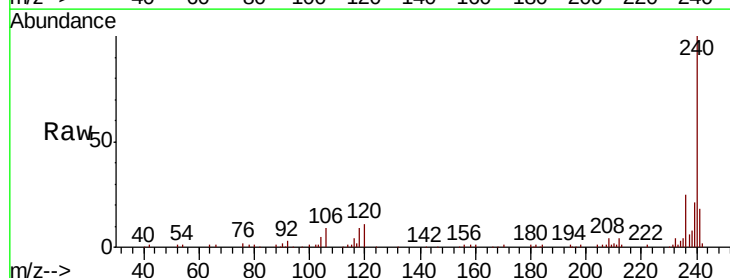


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

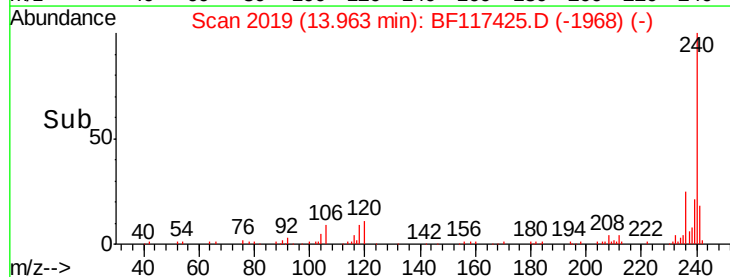
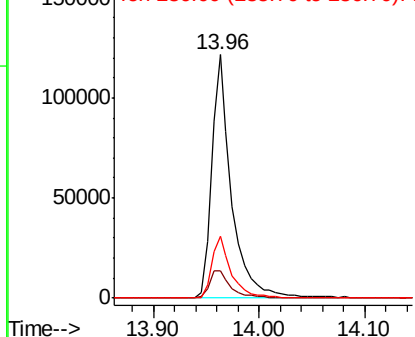


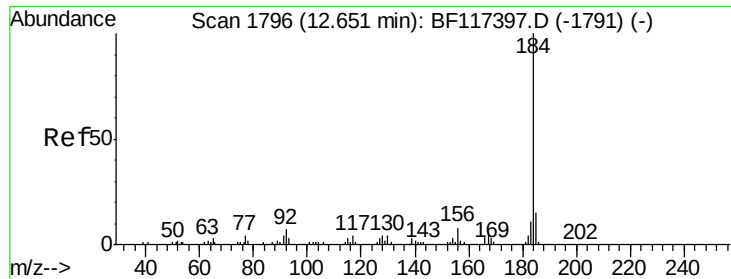
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF117425.D
Acq: 17 Oct 2019 16:37

Tgt Ion:240 Resp: 158850
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.0
236 25.3 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: 2.310 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.25 min

Lab File: BF117425.D

Acq: 17 Oct 2019 16:37

Instrument :

BNA_F

ClientSampleId :

PB124065BL

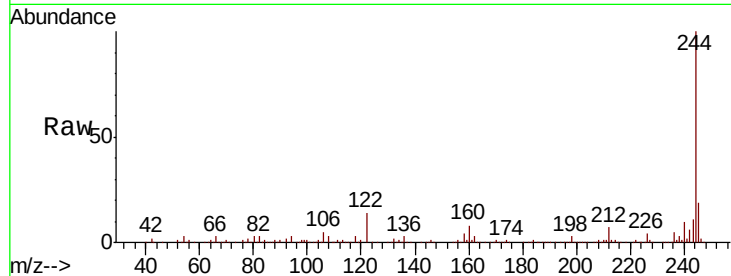
Tot Ion:184 Resp: 9074

Ion Ratio Lower Upper

184 100

185 15.5 12.2 18.2

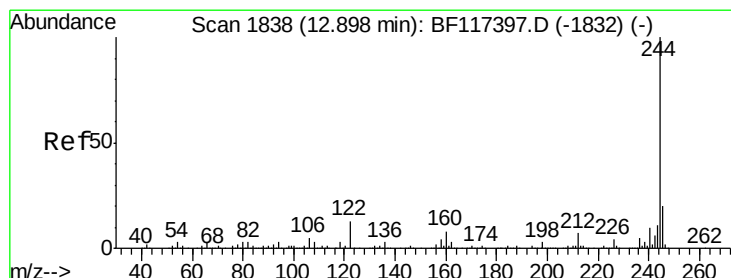
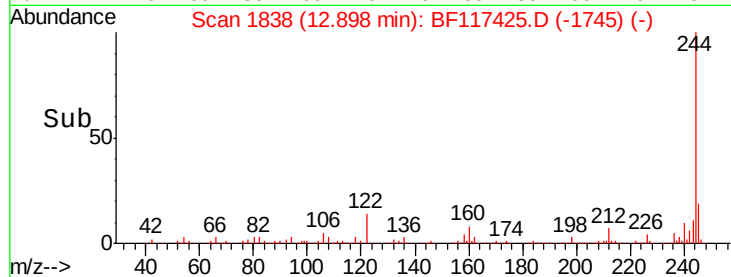
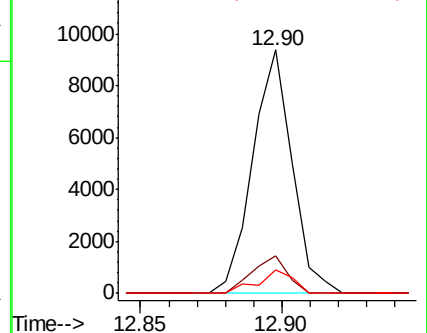
183 9.8 8.9 13.3



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: 67.283 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF117425.D

Acq: 17 Oct 2019 16:37

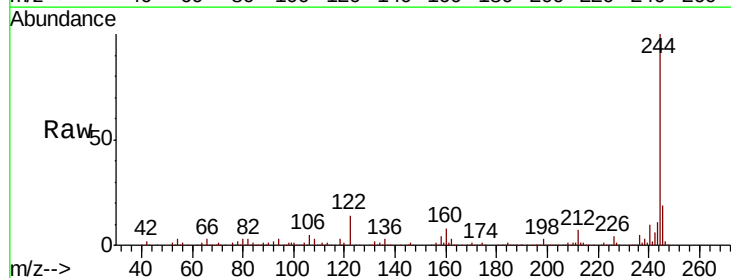
Tgt Ion:244 Resp: 655635

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

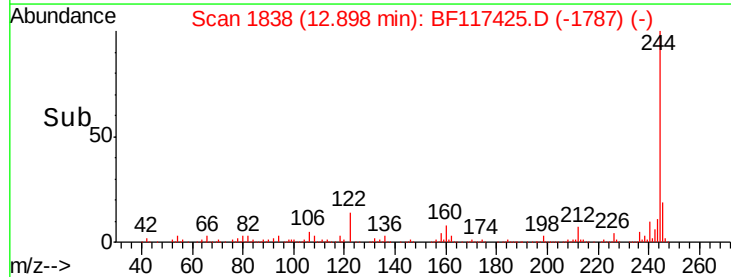
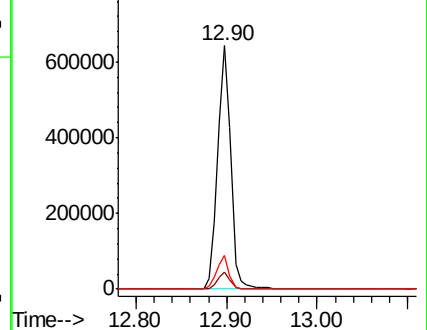
122 13.7 10.7 16.1

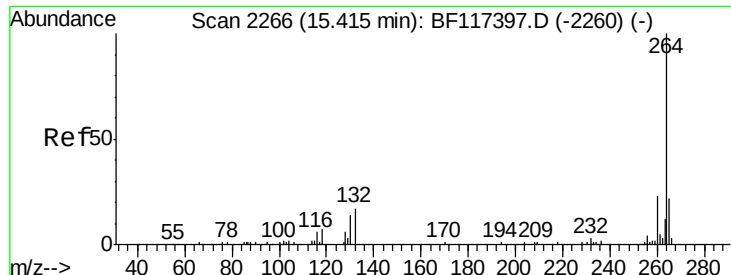


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF117425.D
 Acq: 17 Oct 2019 16:37

Instrument :
 BNA_F
 ClientSampleId :
 PB124065BL

Tot Ion: 264 Resp: 142772
 Ion Ratio Lower Upper
 264 100
 260 21.7 18.6 27.8
 265 20.5 17.4 26.0

