

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101419\
 Data File : BF117405.D
 Acq On : 14 Oct 2019 18:19
 Operator : JU
 Sample : PB123882TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 15 02:07:31 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

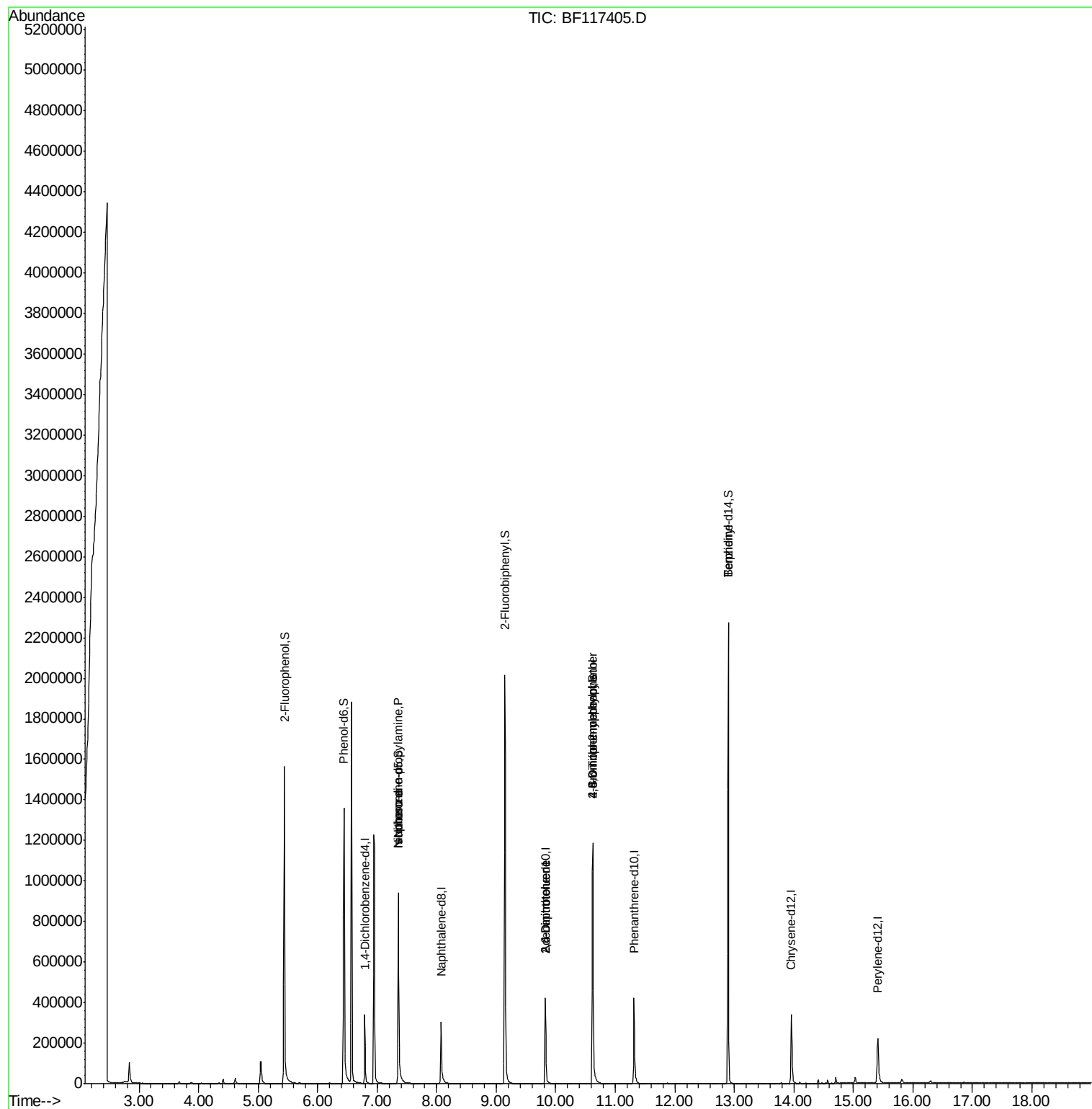
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	56634	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	225504	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	122324	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	215646	20.00	ng	0.00
76) Chrysene-d12	13.96	240	156374	20.00	ng	0.00
87) Perylene-d12	15.41	264	137880	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	496161	134.80	ng	0.02
7) Phenol-d6	6.45	99	646113	132.30	ng	0.00
23) Nitrobenzene-d5	7.36	82	417635	93.88	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	161734	162.46	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	764578	91.12	ng	0.00
79) Terphenyl-d14	12.90	244	845510	88.14	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	619	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	55344	17.773	ng	# 77
25) Isophorone	7.36	82	417632	52.700	ng	# 67
51) 2,6-Dinitrotoluene	9.83	165	15230	8.248	ng	# 21
57) 2,4-Dinitrotoluene	9.83	165	15230	6.251	ng	# 12
65) 4,6-Dinitro-2-methylphenol	10.62	198	128	5.291	ng	# 1
67) 4-Bromophenyl-phenylether	10.62	248	10024	4.238	ng	# 1
77) Benzydine	12.90	184	11198	2.895	ng	# 93

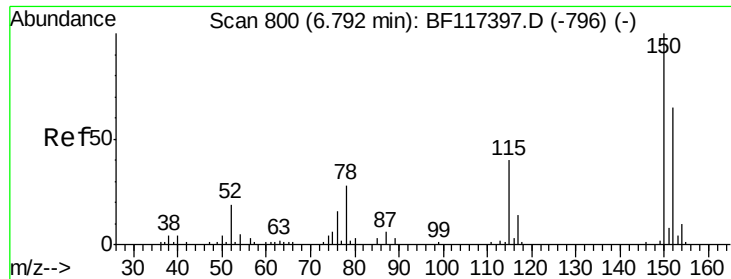
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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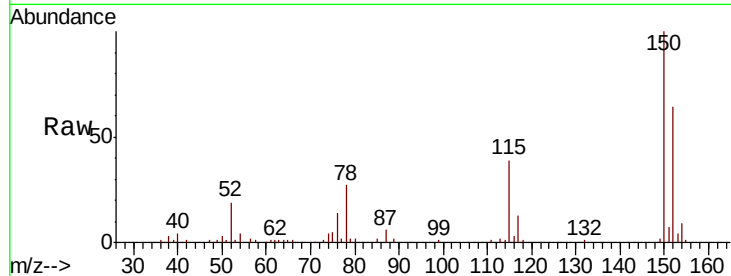


#1

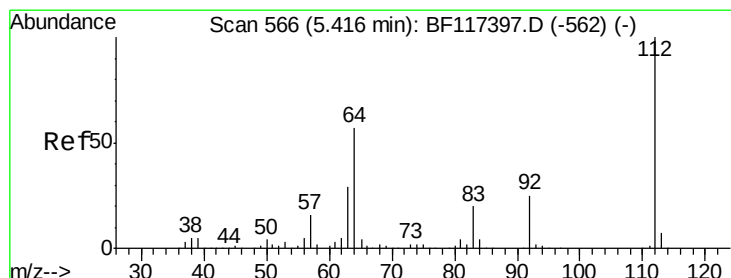
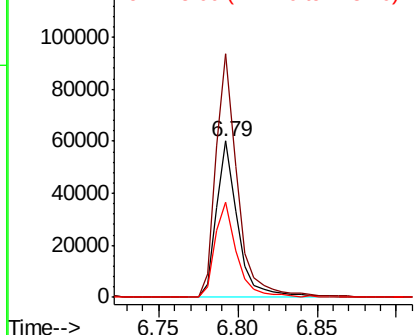
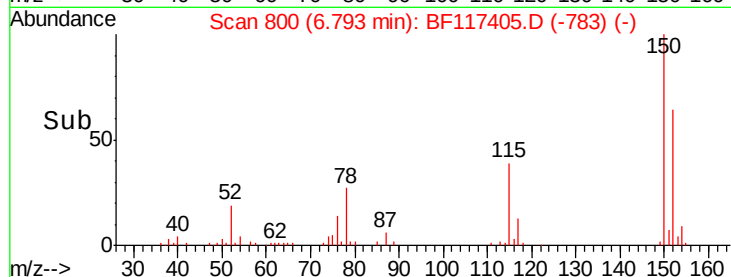
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF117405.D
Acq: 14 Oct 2019 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 56634
Ion Ratio Lower Upper
152 100
150 155.8 122.7 184.1
115 60.7 48.6 73.0



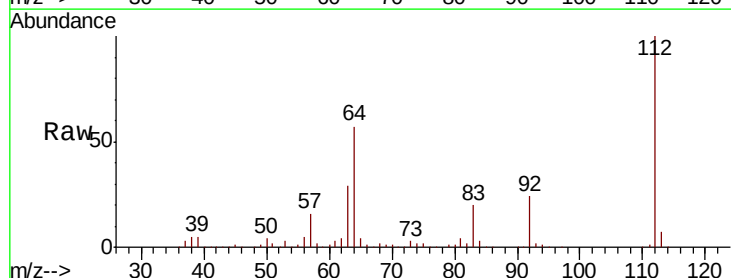
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



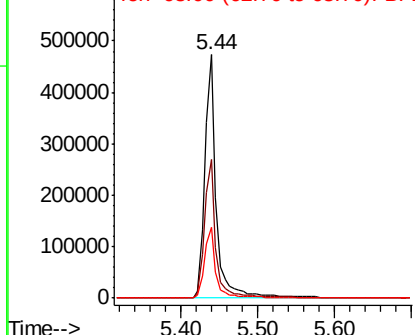
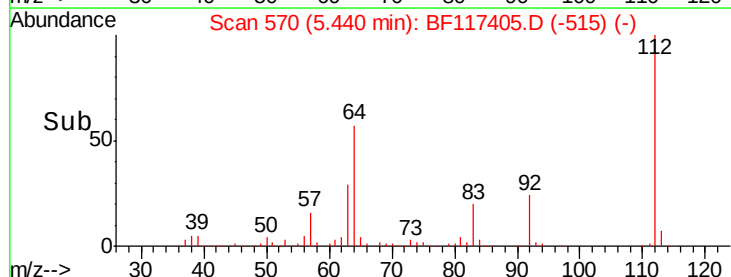
#5

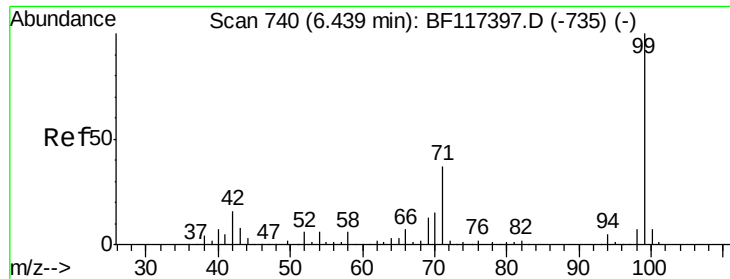
2-Fluorophenol
Concen: 134.797 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF117405.D
Acq: 14 Oct 2019 18:19

Tgt Ion:112 Resp: 496161
Ion Ratio Lower Upper
112 100
64 56.9 45.2 67.8
63 29.2 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: 132.299 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:19

Instrument :

BNA_F

ClientSampleId :

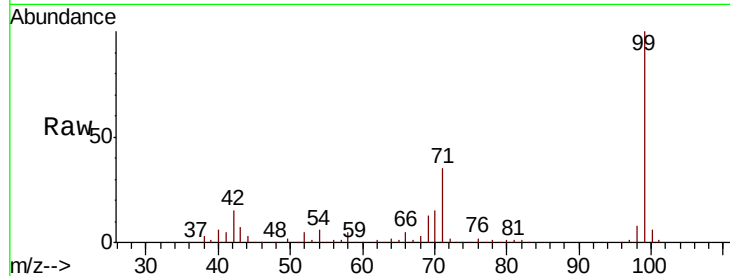
Tot Ion: 99 Resp: 646113

Ion Ratio Lower Upper

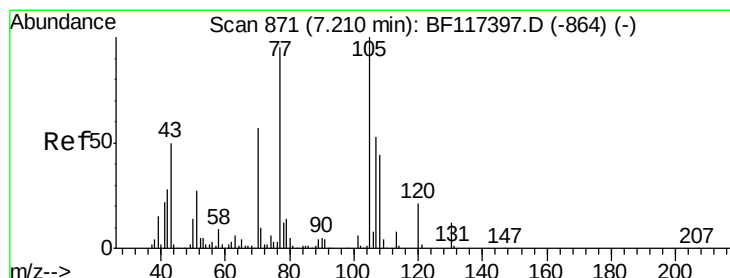
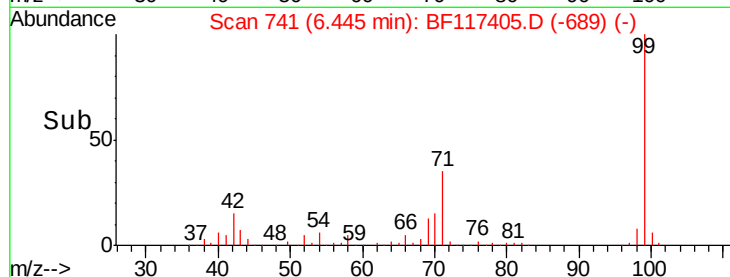
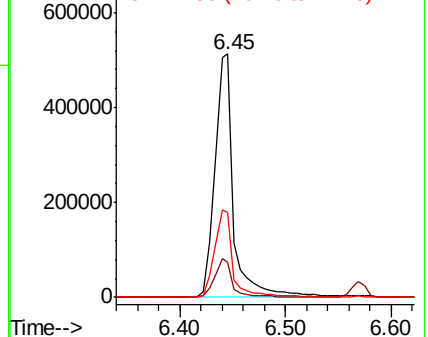
99 100

42 14.6 12.5 18.7

71 34.6 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: 17.773 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:19

Tgt Ion: 70 Resp: 55344

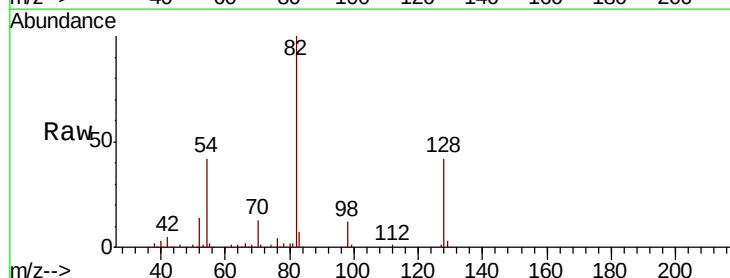
Ion Ratio Lower Upper

70 100

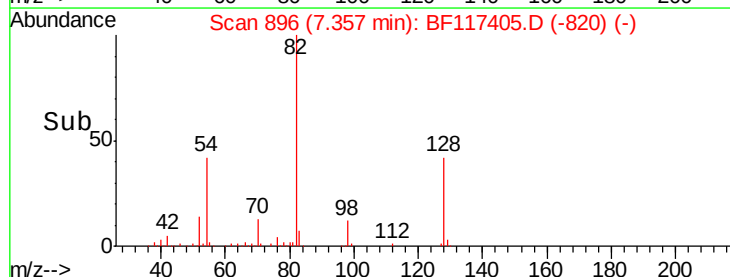
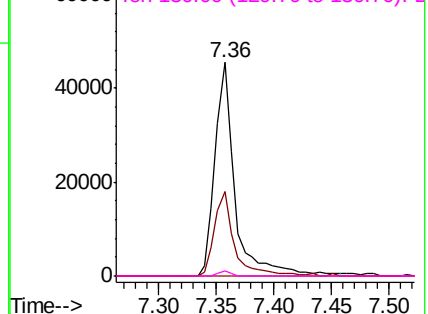
42 39.4 39.8 59.8#

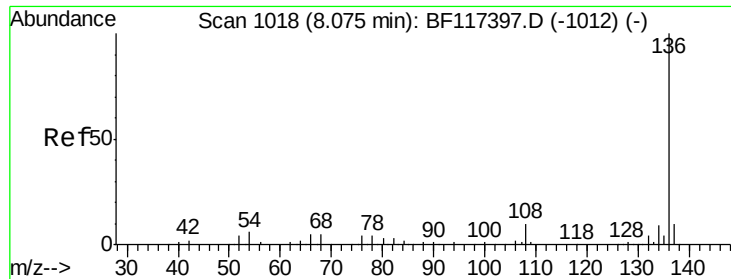
101 0.0 8.1 12.1#

130 2.7 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

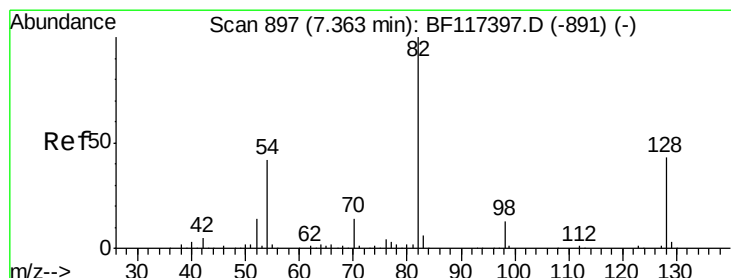
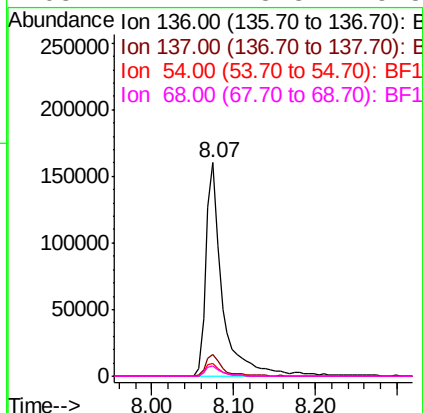
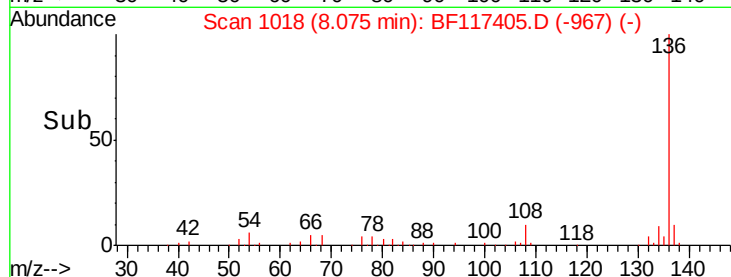
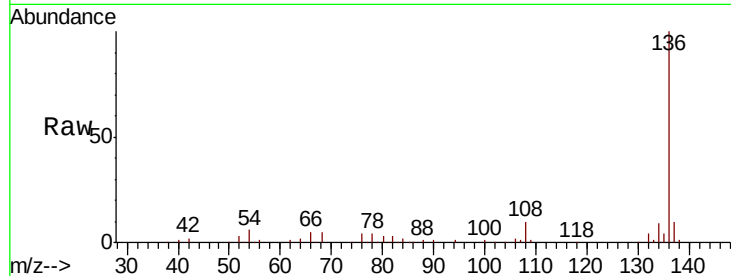




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117405.D
Acq: 14 Oct 2019 18:19

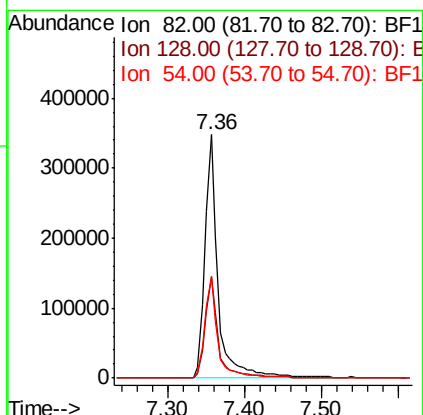
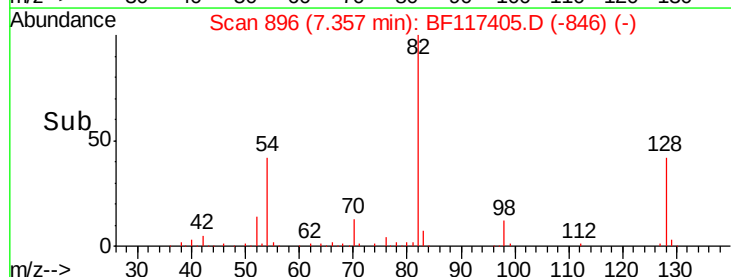
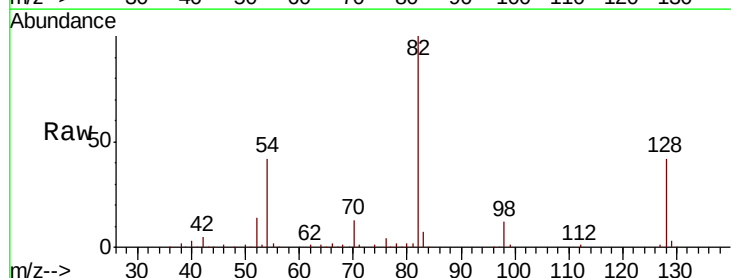
Instrument :
BNA_F
ClientSampleId :

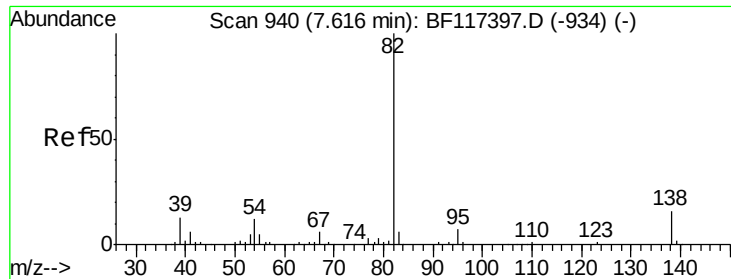
Tot Ion:136	Resp:	225504
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.4	12.6
54 5.8	4.6	6.8
68 4.7	3.8	5.8



#23
Nitrobenzene-d5
Concen: 93.879 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117405.D
Acq: 14 Oct 2019 18:19

Tgt	Ion: 82	Resp:	417635
Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.1	51.1
54	41.7	33.3	49.9





#25

Isophorone

Concen: 52.700 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:19

Instrument :

BNA_F

ClientSampled :

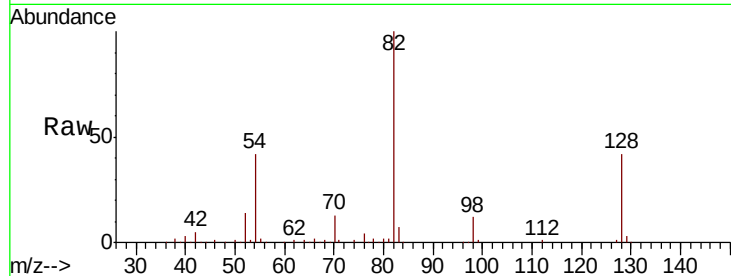
Tot Ion: 82 Resp: 417632

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

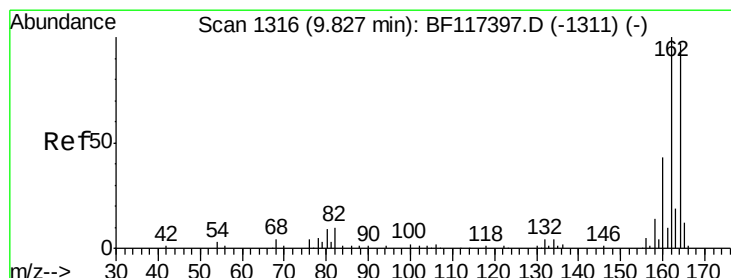
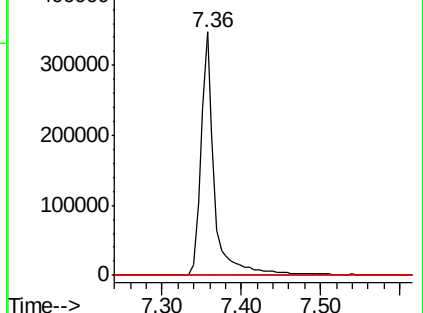
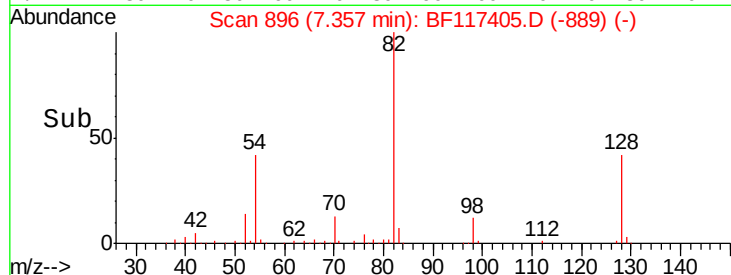
138 0.0 13.0 19.4#



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: BF117405.D

Acq: 14 Oct 2019 18:19

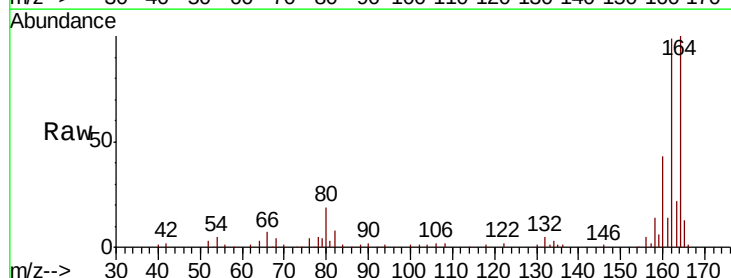
Tgt Ion: 164 Resp: 122324

Ion Ratio Lower Upper

164 100

162 99.5 82.4 123.6

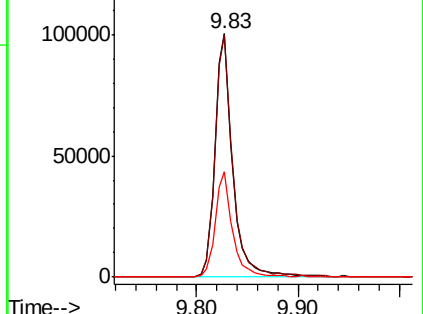
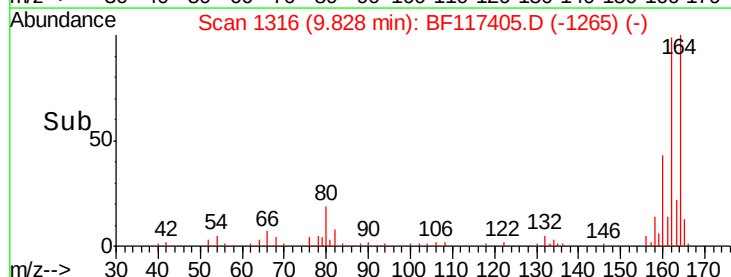
160 43.2 35.4 53.0

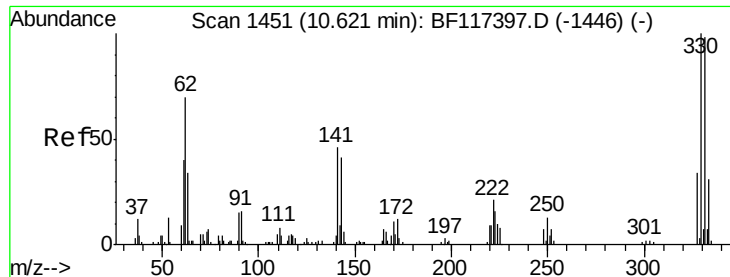


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 162.456 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:19

Instrument :

BNA_F

ClientSampled :

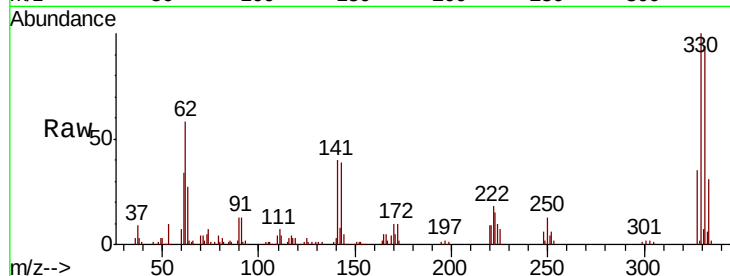
Tot Ion:330 Resp: 161734

Ion Ratio Lower Upper

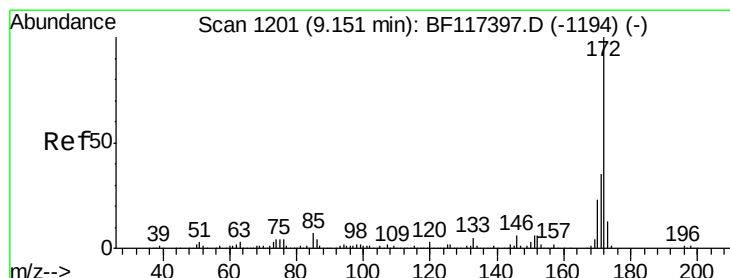
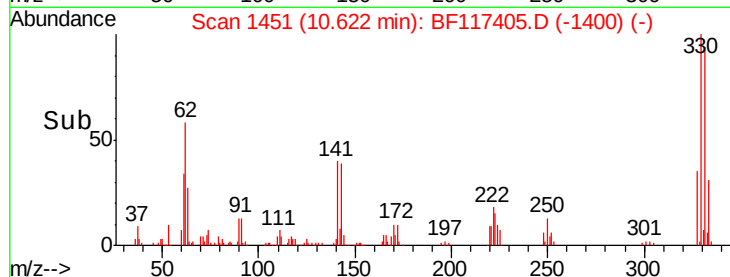
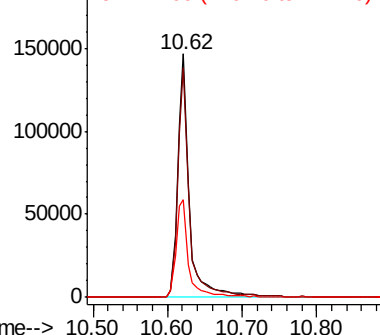
330 100

332 94.6 75.0 112.6

141 43.2 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: 91.124 ng

RT: 9.15 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:19

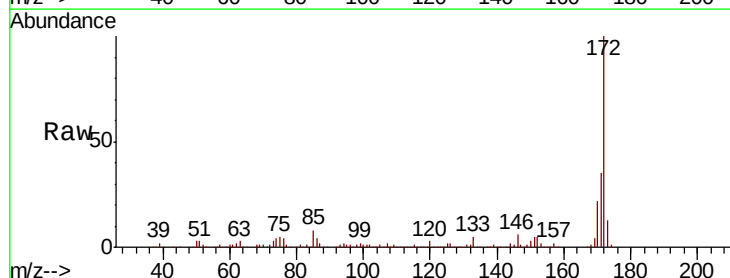
Tgt Ion:172 Resp: 764578

Ion Ratio Lower Upper

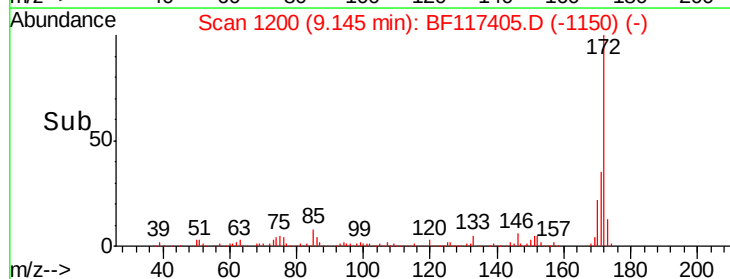
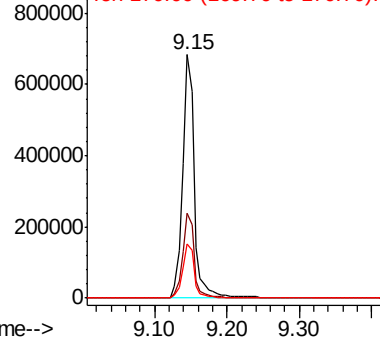
172 100

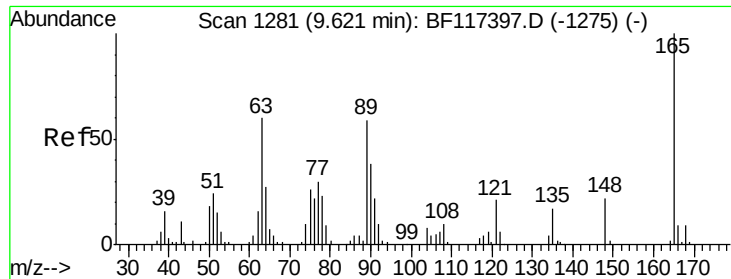
171 34.8 28.2 42.2

170 22.4 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





#51

2,6-Dinitrotoluene

Concen: 8.248 ng

RT: 9.83 min Scan# 1316

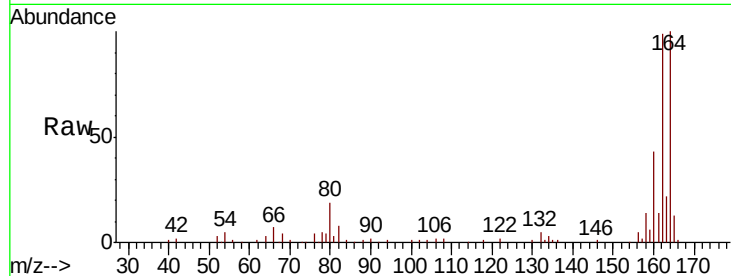
Delta R.T. 0.21 min

Lab File: BF117405.D

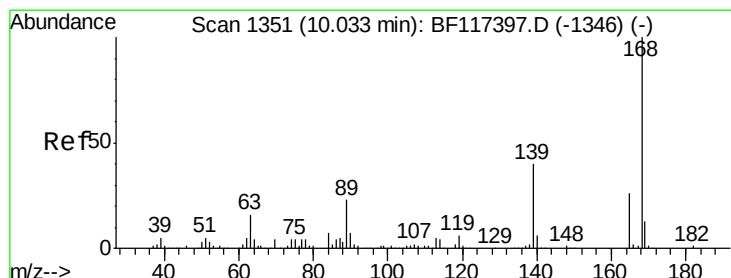
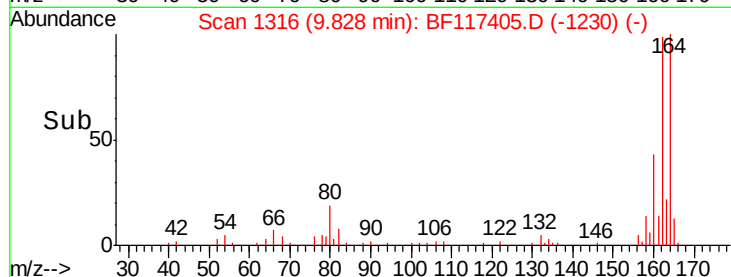
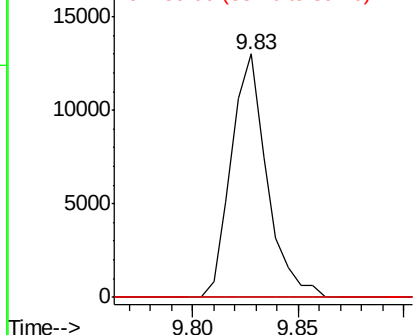
Acq: 14 Oct 2019 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	15230
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: 6.251 ng

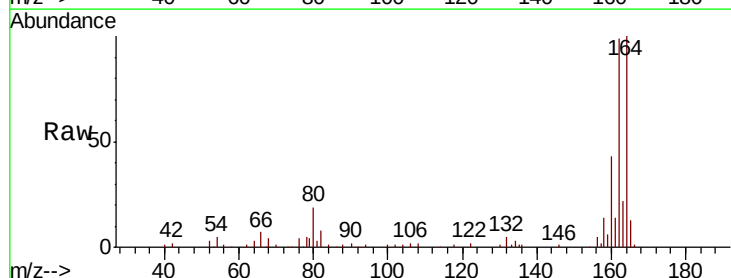
RT: 9.83 min Scan# 1316

Delta R.T. -0.21 min

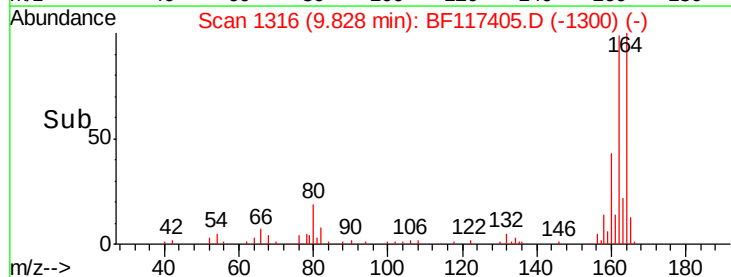
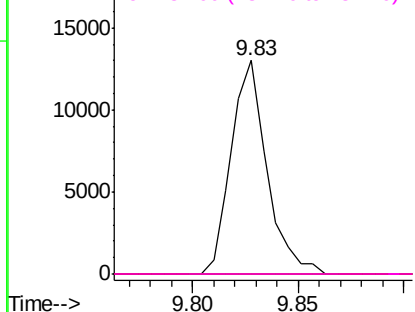
Lab File: BF117405.D

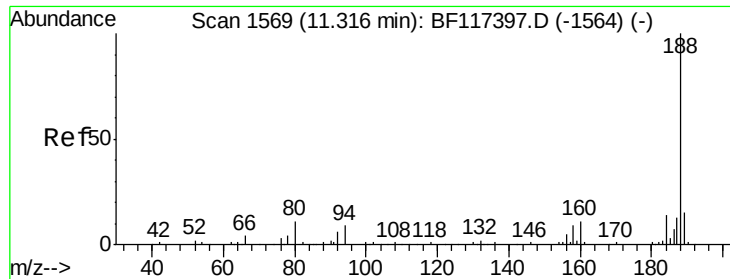
Acq: 14 Oct 2019 18:19

Tgt Ion:	165	Resp:	15230
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

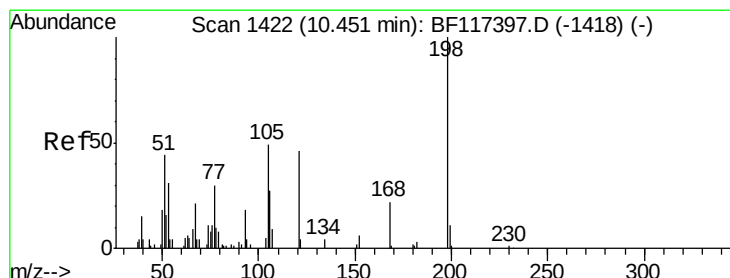
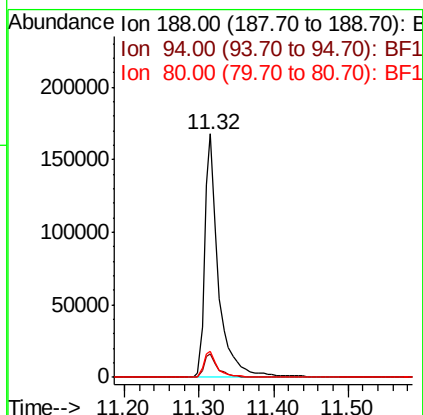
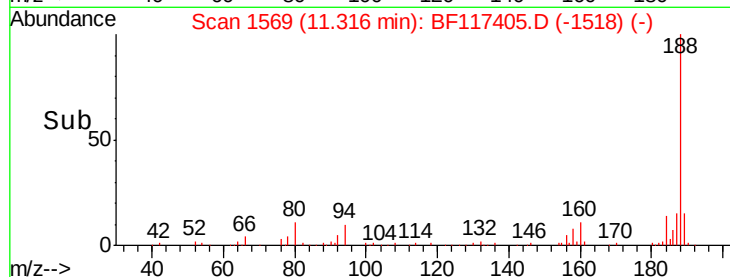
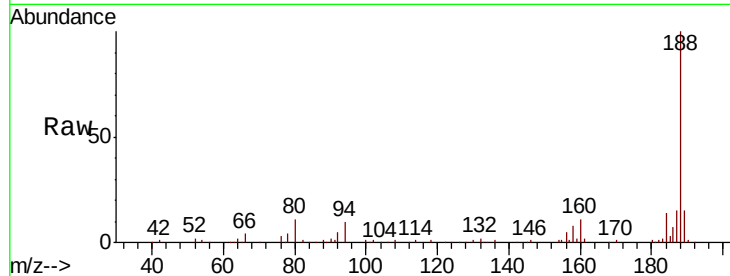




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF117405.D
 Acq: 14 Oct 2019 18:19

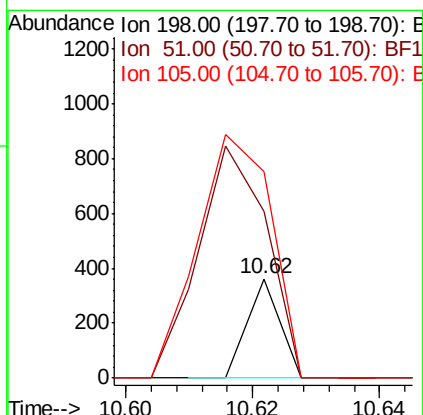
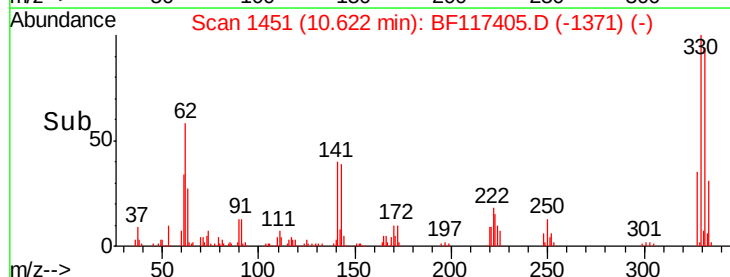
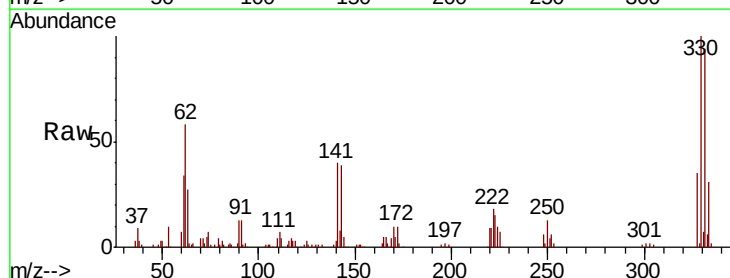
Instrument :
 BNA_F
 ClientSampleId :

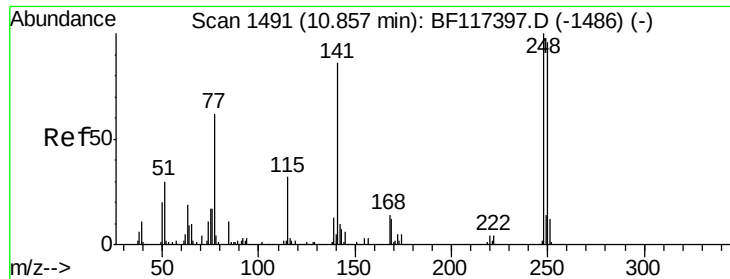
Tot Ion:188 Resp: 215646
 Ion Ratio Lower Upper
 188 100
 94 9.9 7.5 11.3
 80 10.8 8.7 13.1



#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.291 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.17 min
 Lab File: BF117405.D
 Acq: 14 Oct 2019 18:19

Tgt Ion:198 Resp: 128
 Ion Ratio Lower Upper
 198 100
 51 168.2 25.9 65.9#
 105 208.3 29.4 69.4#

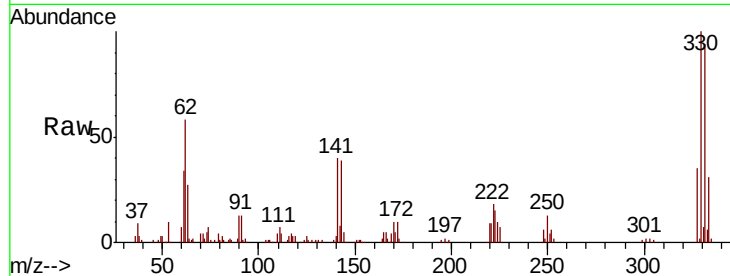




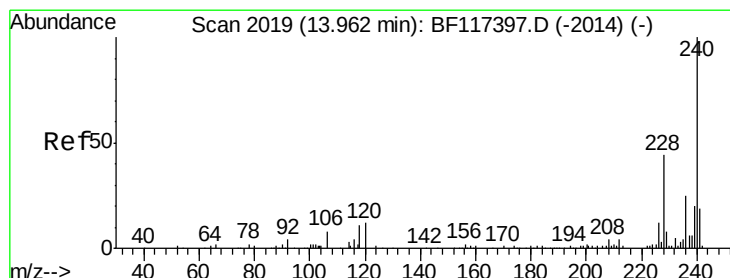
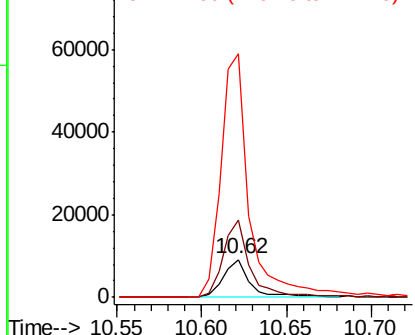
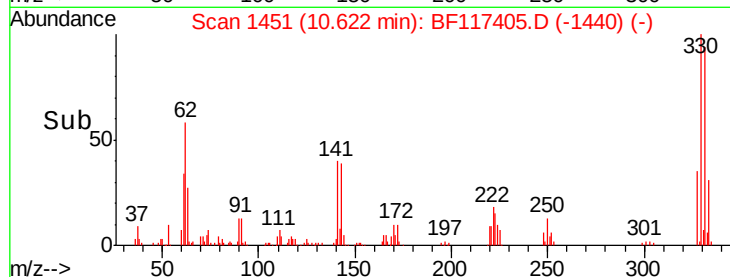
#67
 4-Bromophenyl-phenylether
 Concen: 4.238 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.24 min
 Lab File: BF117405.D
 Acq: 14 Oct 2019 18:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10024
 Ion Ratio Lower Upper
 248 100
 250 202.9 77.1 115.7#
 141 643.7 69.1 103.7#

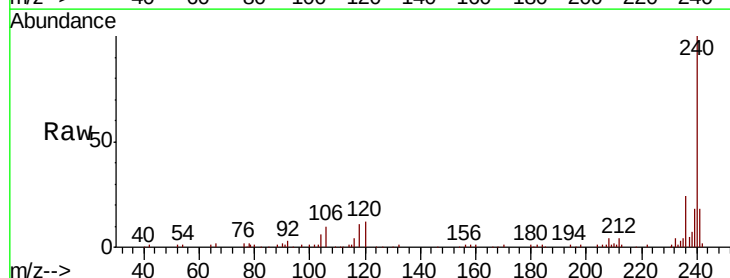


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

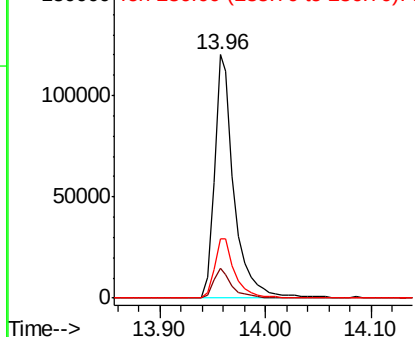
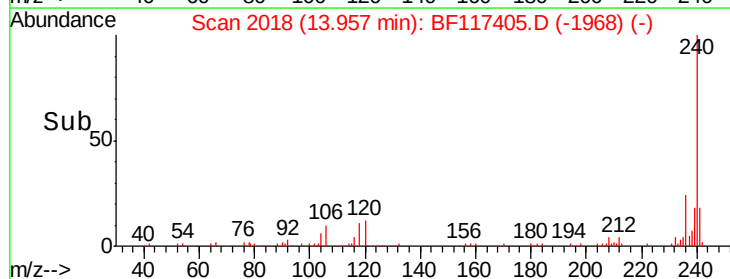


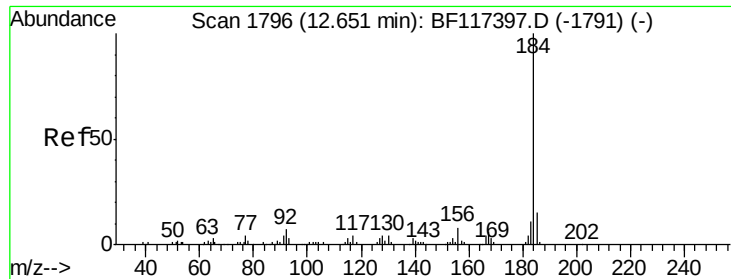
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF117405.D
 Acq: 14 Oct 2019 18:19

Tgt Ion:240 Resp: 156374
 Ion Ratio Lower Upper
 240 100
 120 12.4 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: 2.895 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.25 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:19

Instrument :

BNA_F

ClientSampleId :

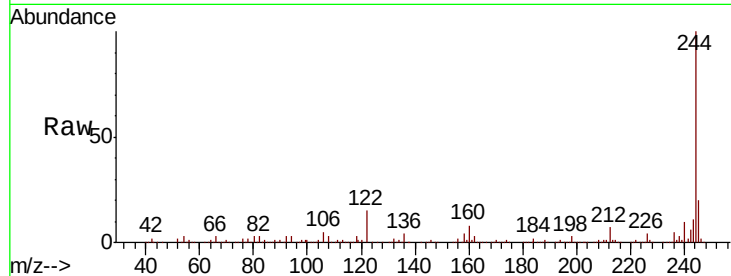
Tot Ion:184 Resp: 11198

Ion Ratio Lower Upper

184 100

185 12.6 12.2 18.2

183 8.5 8.9 13.3#

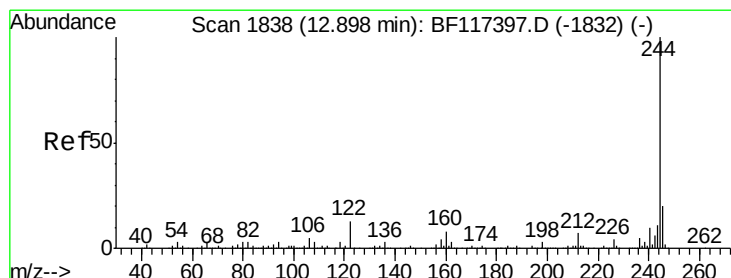
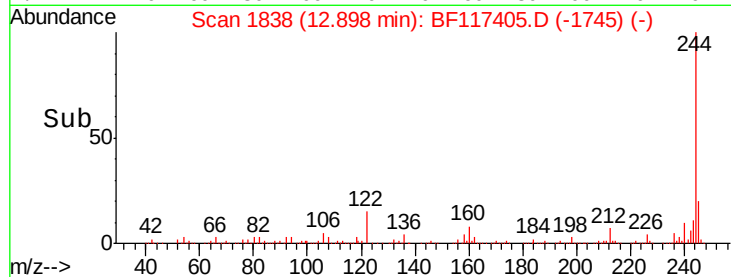
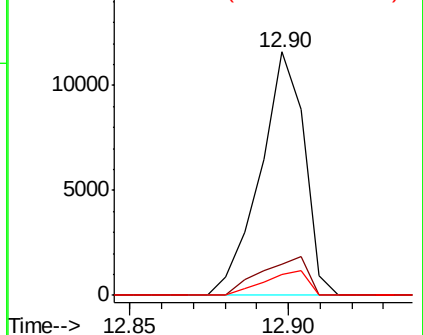


Abundance

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: 88.142 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:19

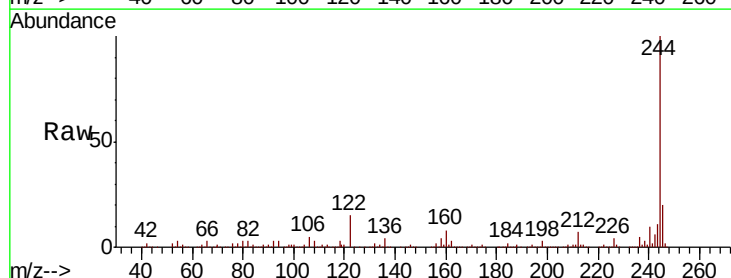
Tgt Ion:244 Resp: 845510

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 15.0 10.7 16.1

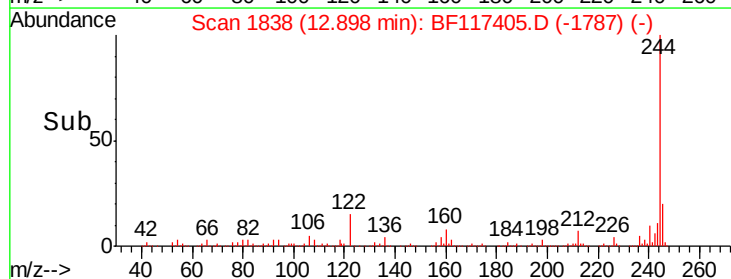
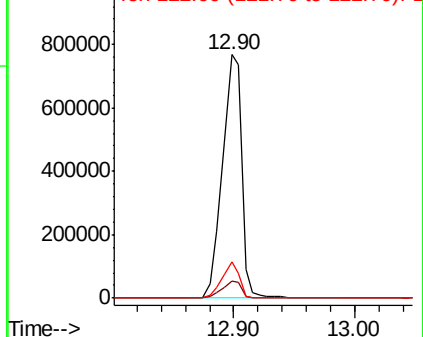


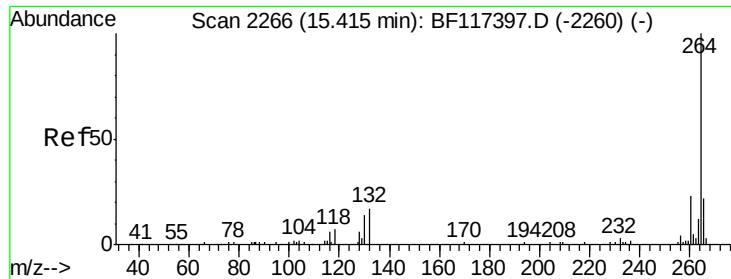
Abundance

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: BF117405.D
Acq: 14 Oct 2019 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 137880

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.6	27.8
265	20.1	17.4	26.0

