

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101419\
 Data File : BF117405.D
 Acq On : 14 Oct 2019 18:54
 Operator : JU
 Sample : K5323-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 15 01:10:47 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	40597	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	161695	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	83237	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	138698	20.00	ng	0.00
76) Chrysene-d12	13.96	240	116701	20.00	ng	0.00
87) Perylene-d12	15.41	264	119869	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	343073	130.02	ng	0.00
7) Phenol-d6	6.44	99	440987	125.97	ng	0.00
23) Nitrobenzene-d5	7.36	82	291869	91.50	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	104939	154.91	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	536794	94.02	ng	0.00
79) Terphenyl-d14	12.90	244	580621	81.11	ng	0.00

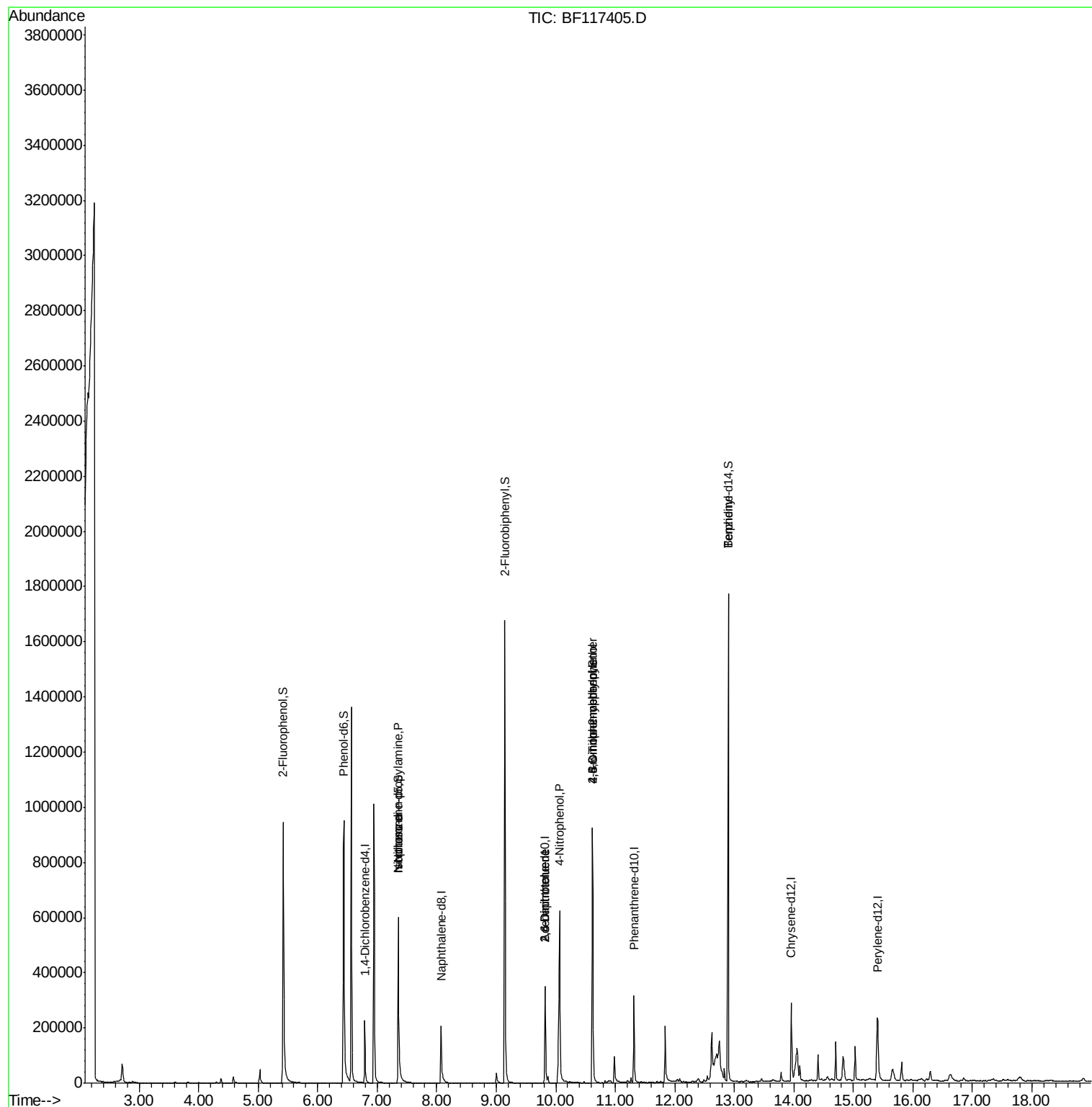
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	479	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	38068	17.055	ng	# 74
25) Isophorone	7.36	82	291868	51.364	ng	# 67
51) 2,6-Dinitrotoluene	9.82	165	10086	8.027	ng	# 21
56) 4-Nitrophenol	10.06	139	642	6.066	ng	# 72
57) 2,4-Dinitrotoluene	9.82	165	10086	6.083	ng	# 12
65) 4,6-Dinitro-2-methylphenol	10.62	198	113	5.328	ng	# 1
67) 4-Bromophenyl-phenylether	10.62	248	6660	4.378	ng	# 1
77) Benzidine	12.90	184	7507	2.601	ng	# 94

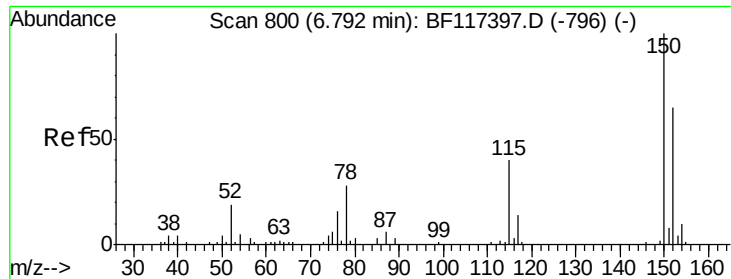
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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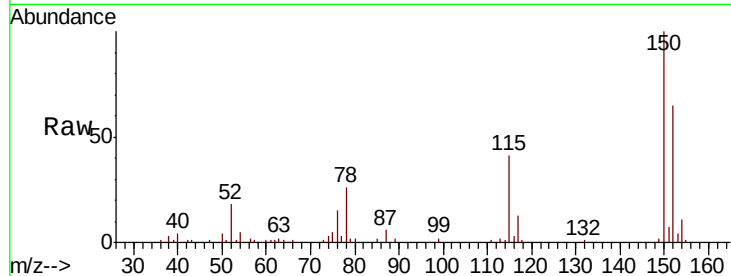


#1

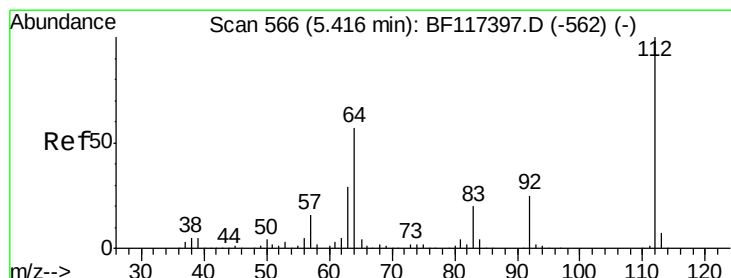
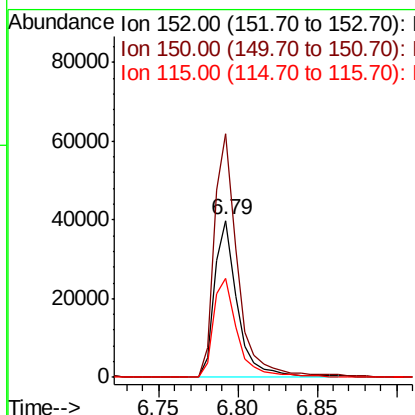
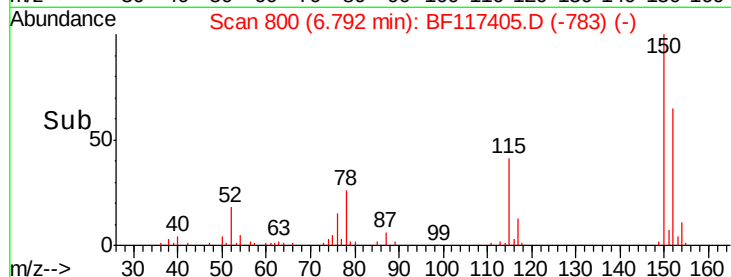
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF117405.D
Acq: 14 Oct 2019 18:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 40597
Ion Ratio Lower Upper
152 100
150 154.9 122.7 184.1
115 63.1 48.6 73.0



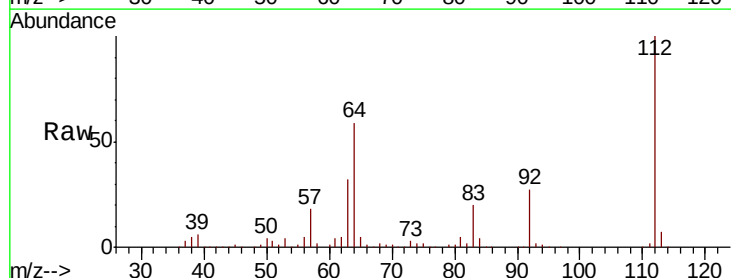
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



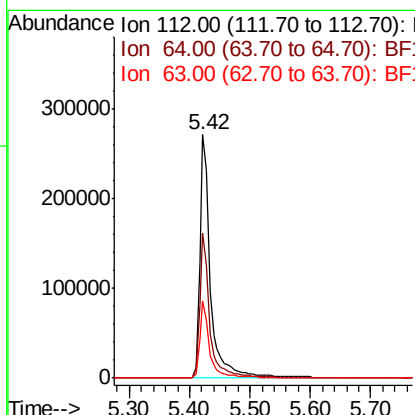
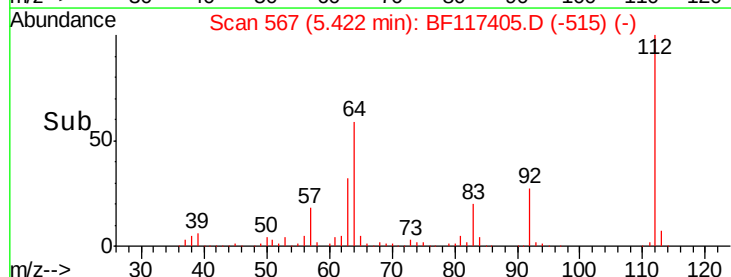
#5

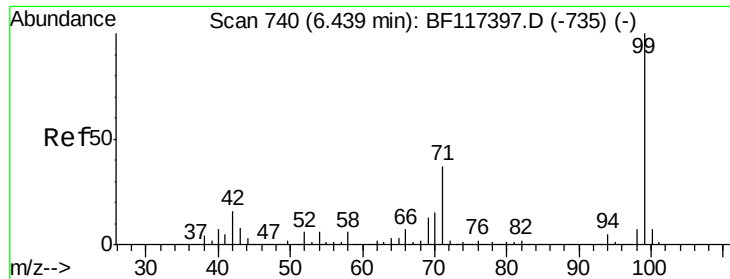
2-Fluorophenol
Concen: 130.025 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF117405.D
Acq: 14 Oct 2019 18:54

Tgt Ion:112 Resp: 343073
Ion Ratio Lower Upper
112 100
64 59.3 45.2 67.8
63 31.9 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: 125.967 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:54

Instrument :

BNA_F

ClientSampleId :

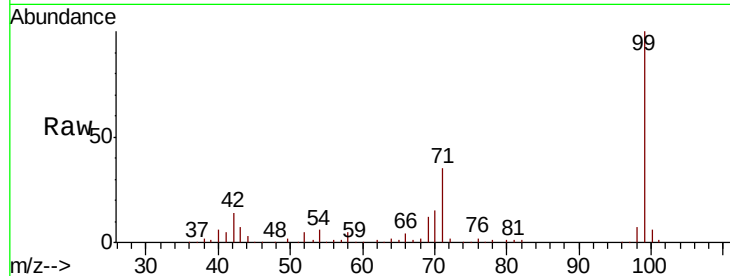
Tot Ion: 99 Resp: 440987

Ion Ratio Lower Upper

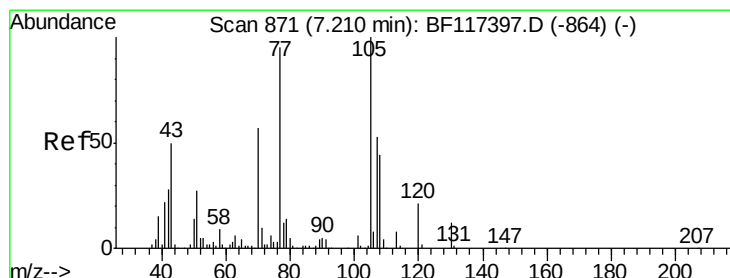
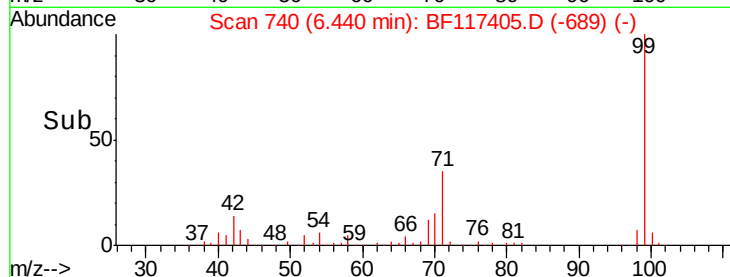
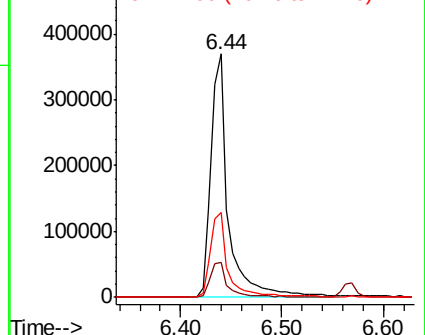
99 100

42 14.1 12.5 18.7

71 34.9 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: 17.055 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:54

Tgt Ion: 70 Resp: 38068

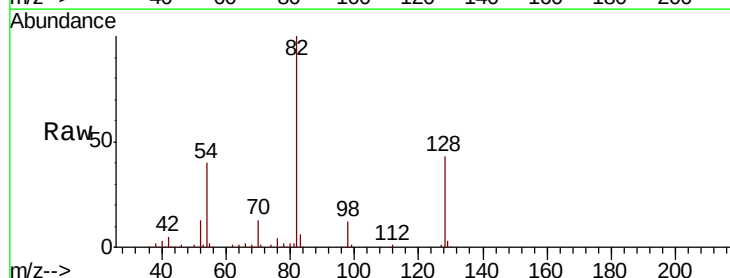
Ion Ratio Lower Upper

70 100

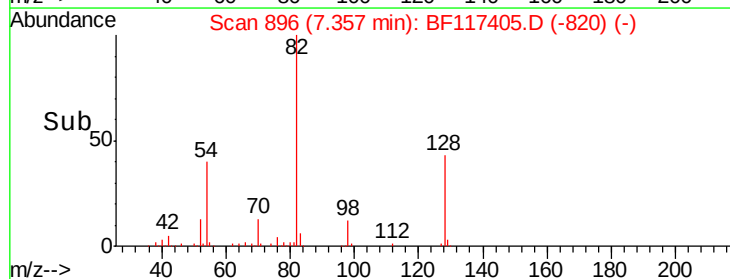
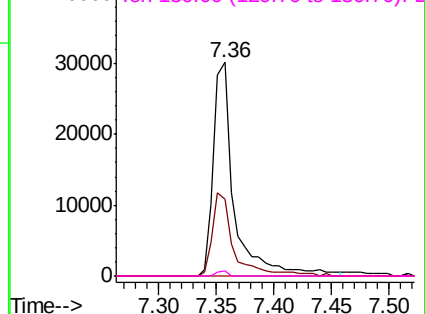
42 36.0 39.8 59.8#

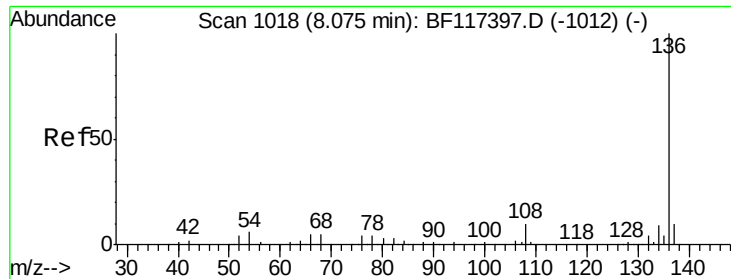
101 0.0 8.1 12.1#

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

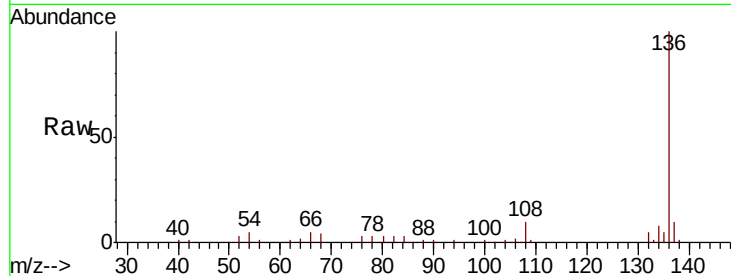




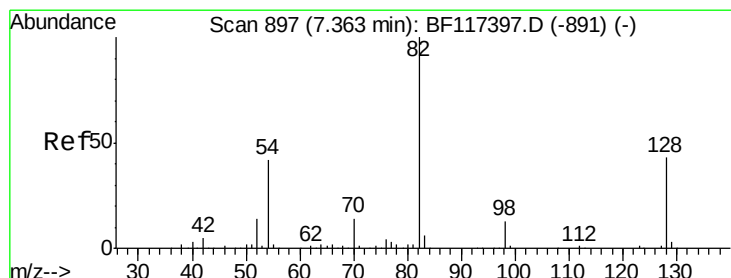
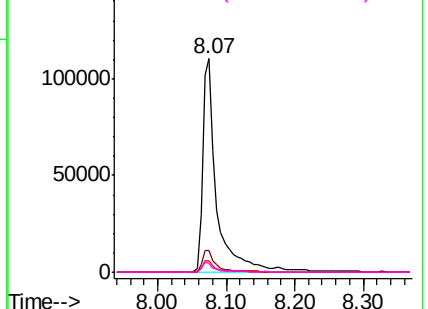
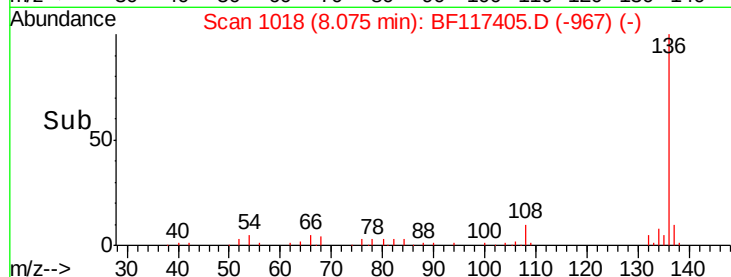
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117405.D
Acq: 14 Oct 2019 18:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	161695
Ion	Ratio	Lower Upper
136	100	
137	10.1	8.4 12.6
54	5.4	4.6 6.8
68	4.4	3.8 5.8

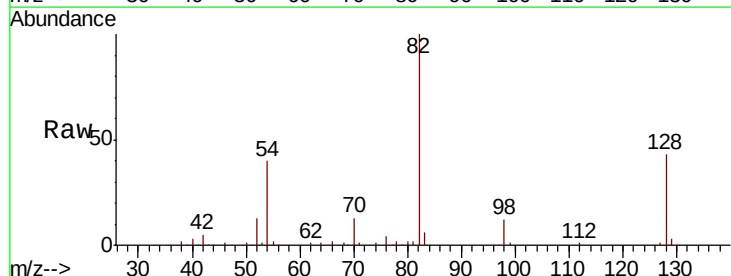


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

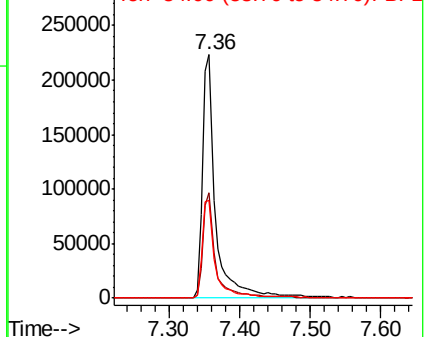
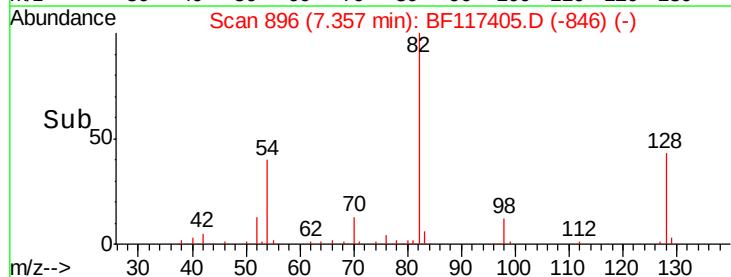


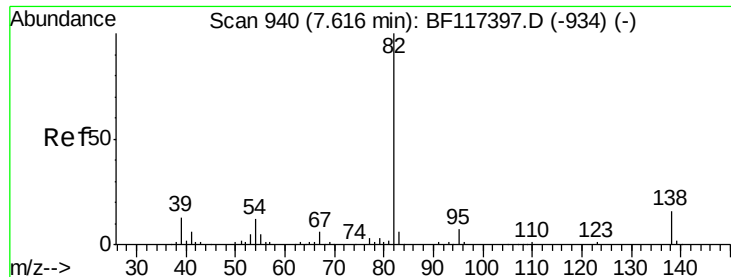
#23
Nitrobenzene-d5
Concen: 91.499 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117405.D
Acq: 14 Oct 2019 18:54

Tgt Ion: 82	Resp:	291869
Ion	Ratio	Lower Upper
82	100	
128	43.5	34.1 51.1
54	40.3	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: 51.364 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:54

Instrument :

BNA_F

ClientSampled :

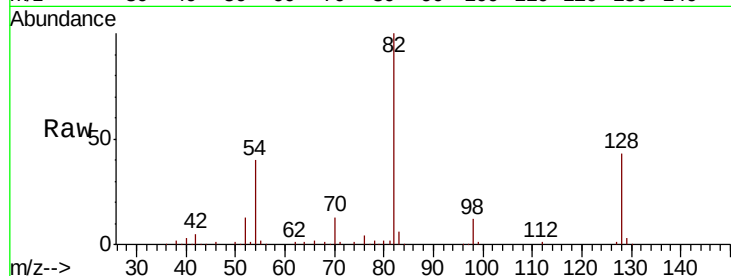
Tot Ion: 82 Resp: 291868

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

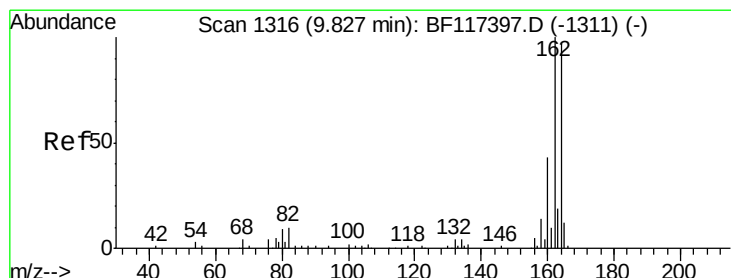
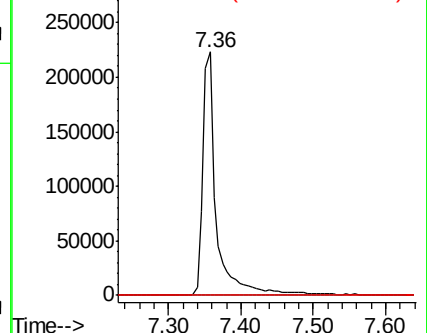
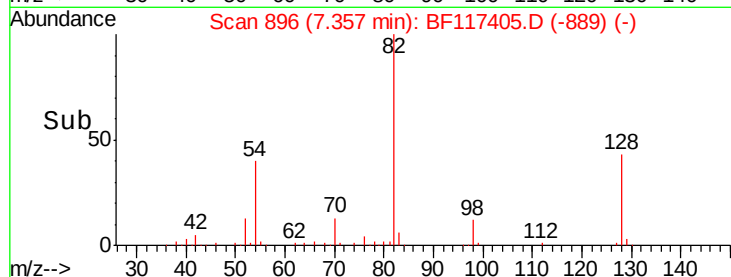
138 0.0 13.0 19.4#



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: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:54

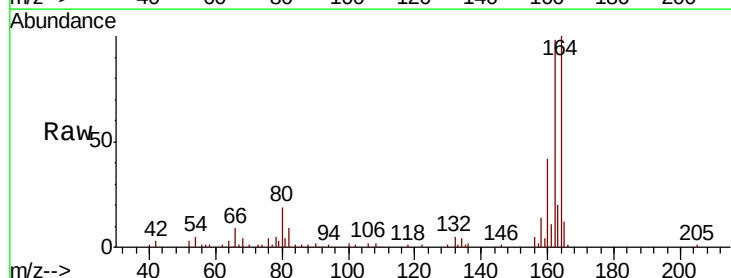
Tgt Ion: 164 Resp: 83237

Ion Ratio Lower Upper

164 100

162 98.4 82.4 123.6

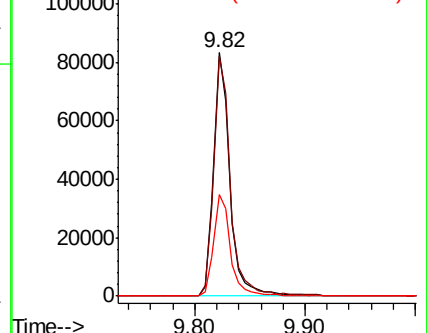
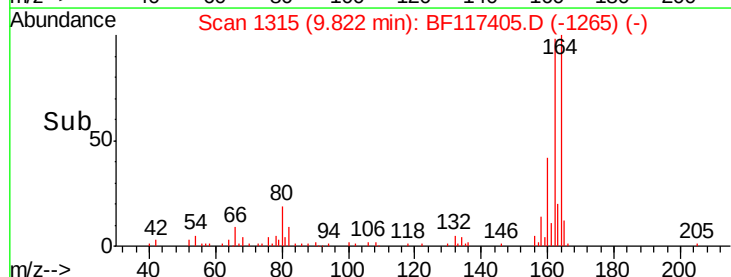
160 41.7 35.4 53.0

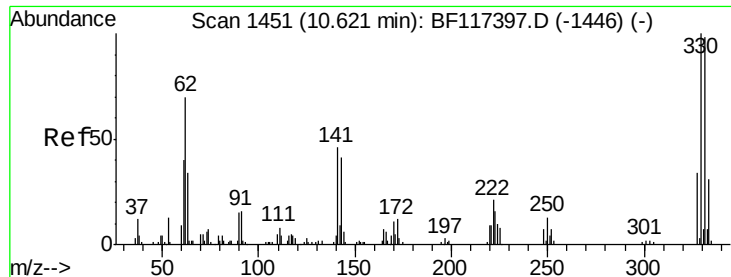


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

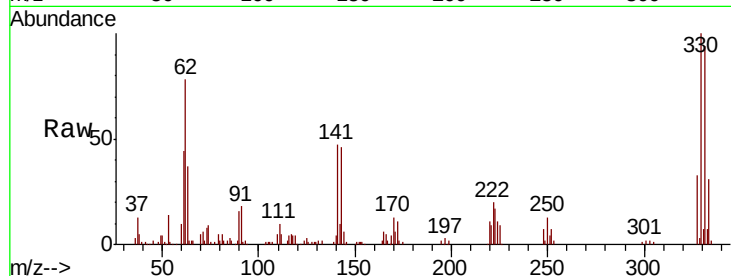




#42
 2,4,6-Tribromophenol
 Concen: 154.906 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF117405.D
 Acq: 14 Oct 2019 18:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.1	75.0	112.6
141	44.1	34.2	51.4

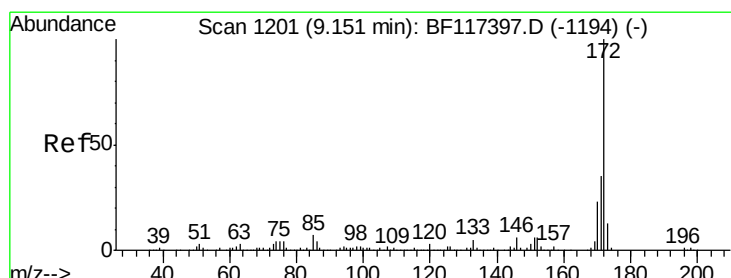
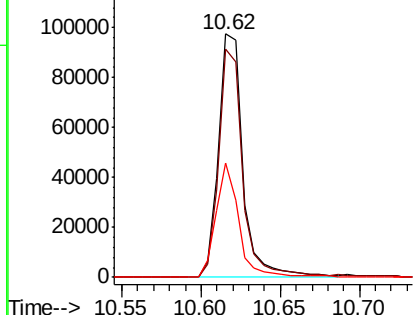
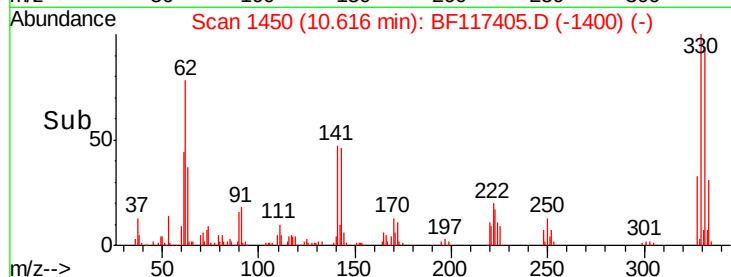


Abundance

Ion 329.80 (329.50 to 330.50): E

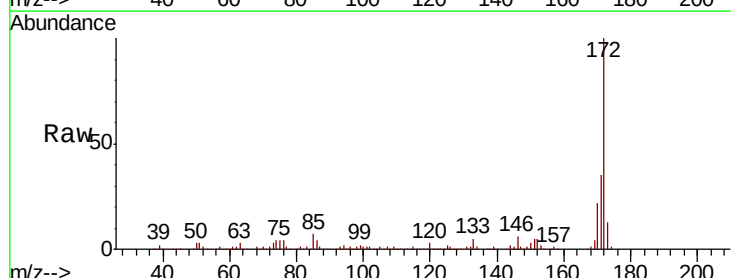
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 94.018 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF117405.D
 Acq: 14 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	22.4	18.2	27.2

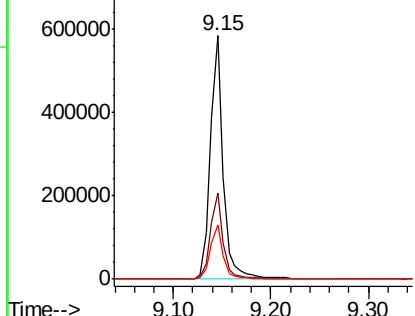
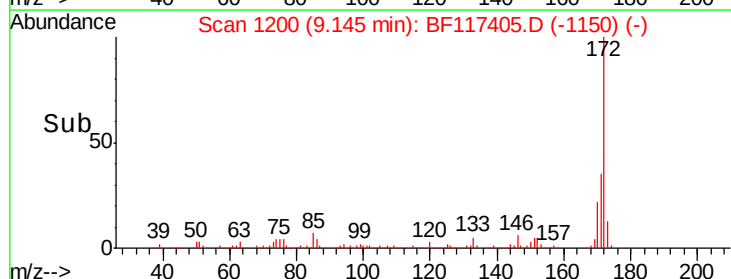


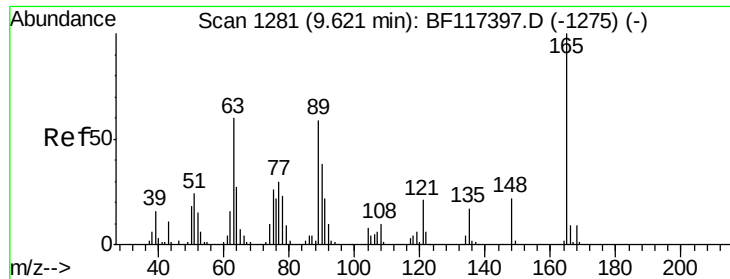
Abundance

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: 8.027 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.20 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:54

Instrument :

BNA_F

ClientSampled :

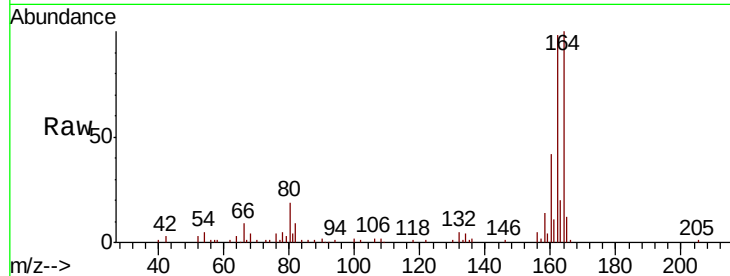
Tot Ion:165 Resp: 10086

Ion Ratio Lower Upper

165 100

63 0.0 47.8 71.6#

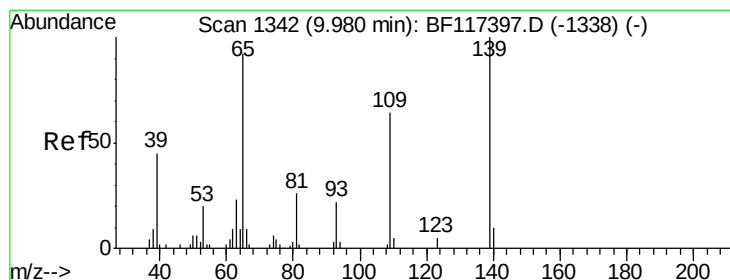
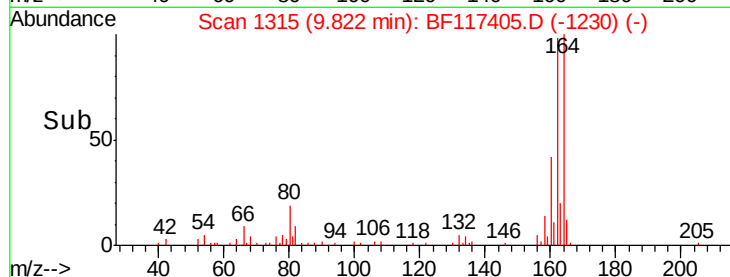
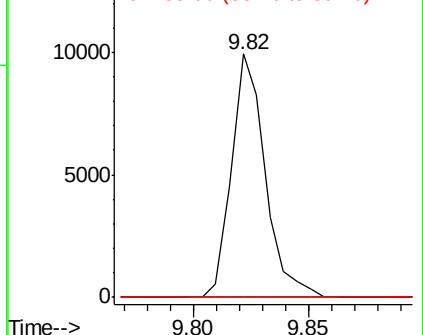
89 0.0 47.4 71.0#



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



#56

4-Nitrophenol

Concen: 6.066 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.08 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:54

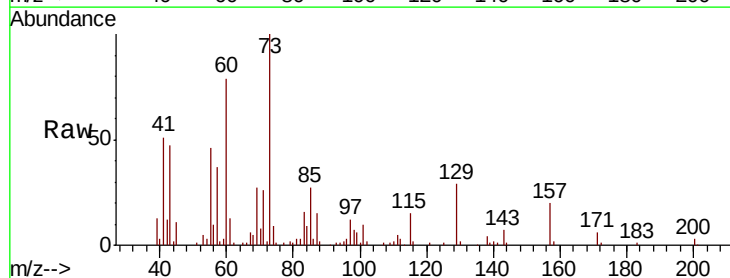
Tgt Ion:139 Resp: 642

Ion Ratio Lower Upper

139 100

109 114.9 43.8 83.8#

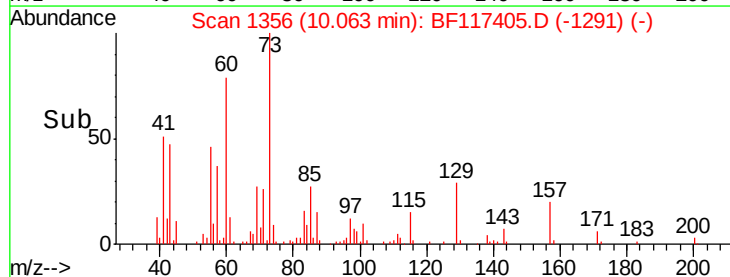
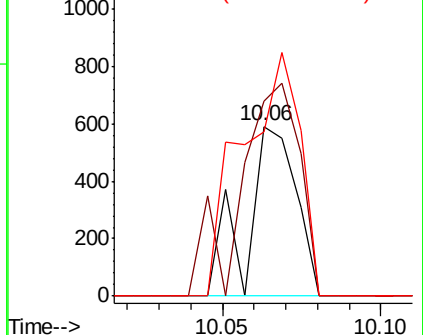
65 97.0 73.9 113.9

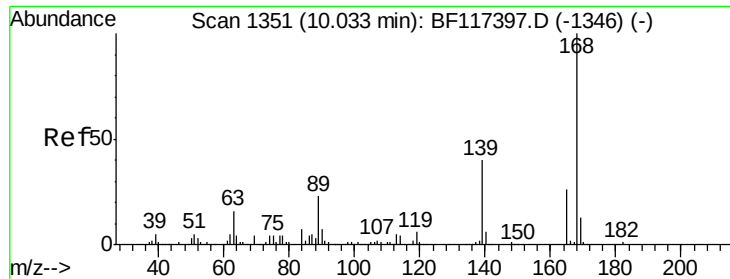


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

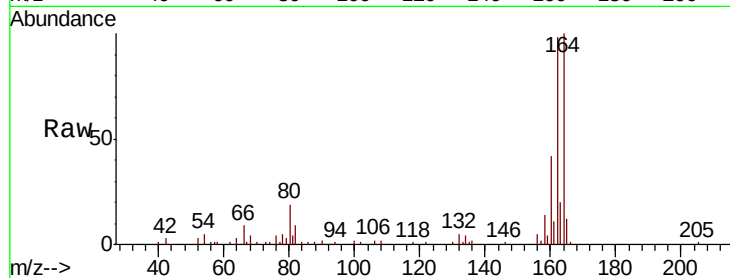




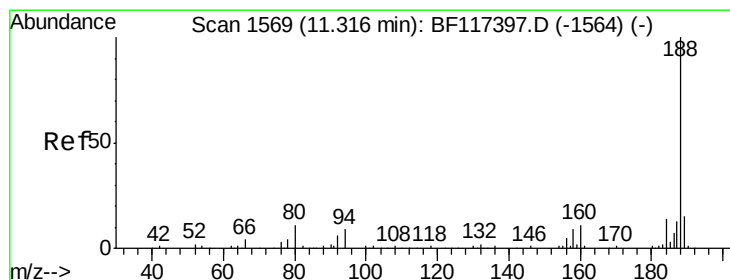
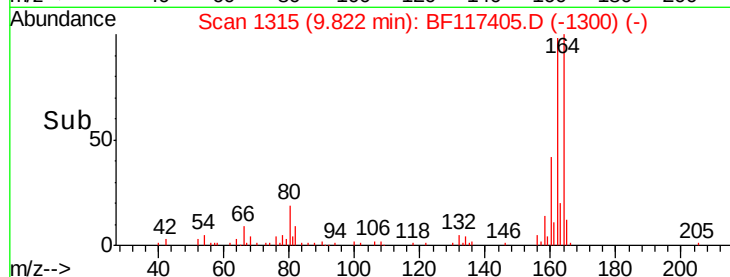
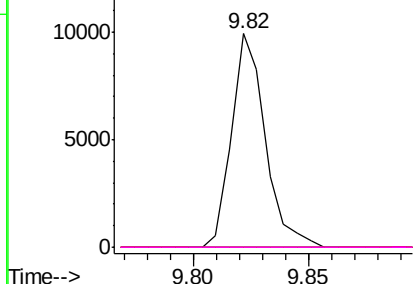
#57
 2,4-Dinitrotoluene
 Concen: 6.083 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.21 min
 Lab File: BF117405.D
 Acq: 14 Oct 2019 18:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 10086
 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#

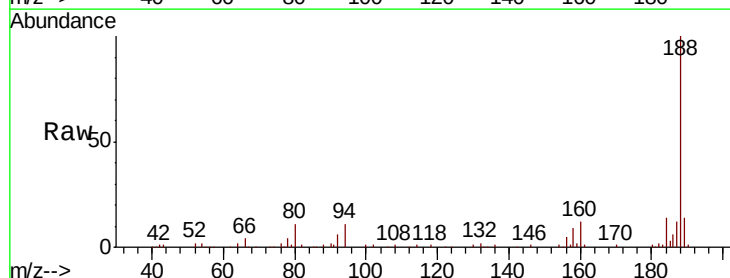


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

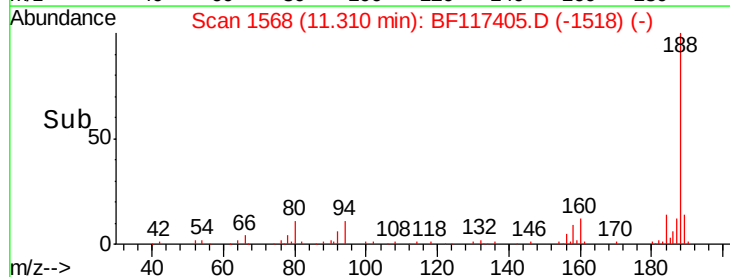
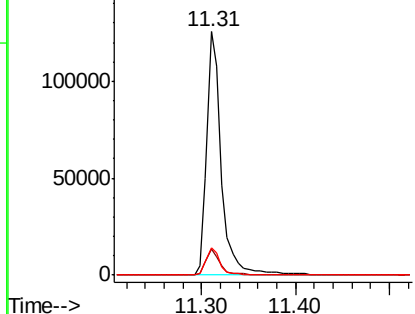


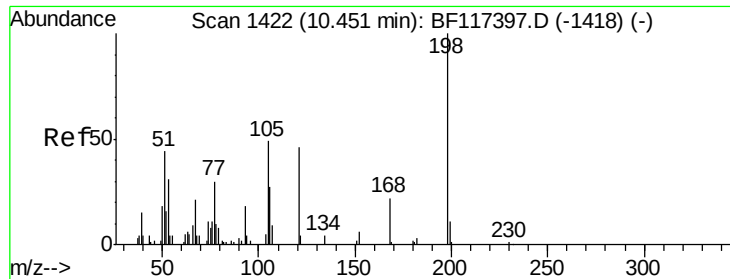
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF117405.D
 Acq: 14 Oct 2019 18:54

Tgt Ion:188 Resp: 138698
 Ion Ratio Lower Upper
 188 100
 94 10.5 7.5 11.3
 80 11.5 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: 5.328 ng

RT: 10.62 min Scan# 1450

Delta R.T. 0.17 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:54

Instrument :

BNA_F

ClientSampleId :

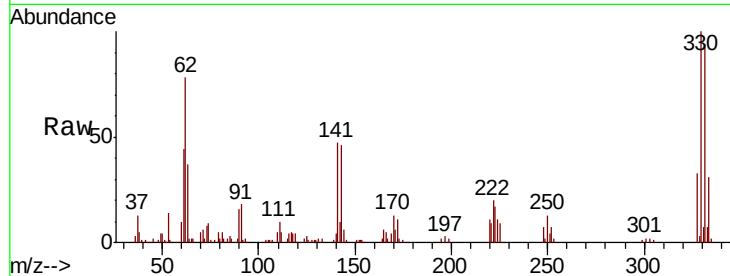
Tot Ion:198 Resp: 113

Ion Ratio Lower Upper

198 100

51 164.9 25.9 65.9#

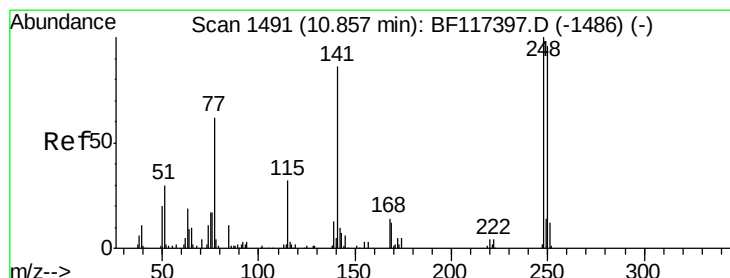
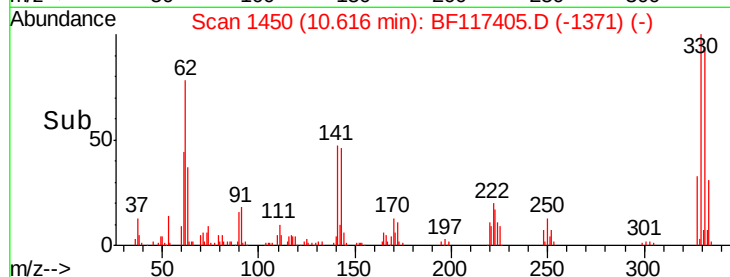
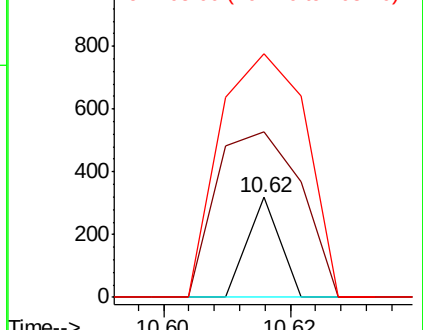
105 243.3 29.4 69.4#



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: 4.378 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.24 min

Lab File: BF117405.D

Acq: 14 Oct 2019 18:54

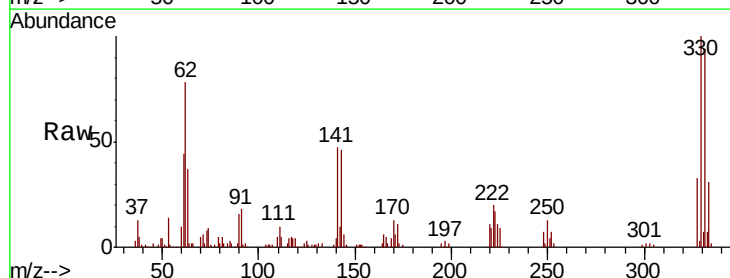
Tgt Ion:248 Resp: 6660

Ion Ratio Lower Upper

248 100

250 189.4 77.1 115.7#

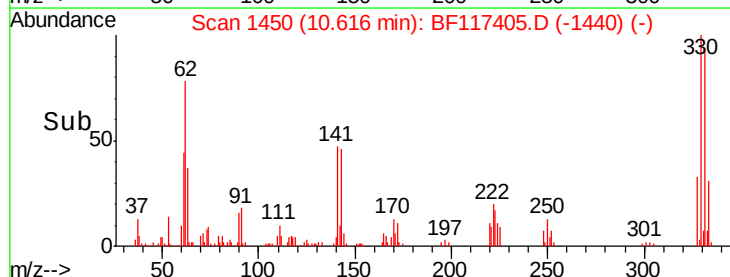
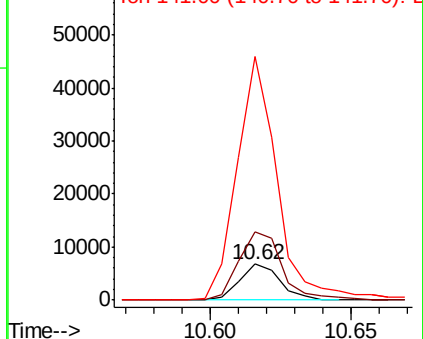
141 679.2 69.1 103.7#

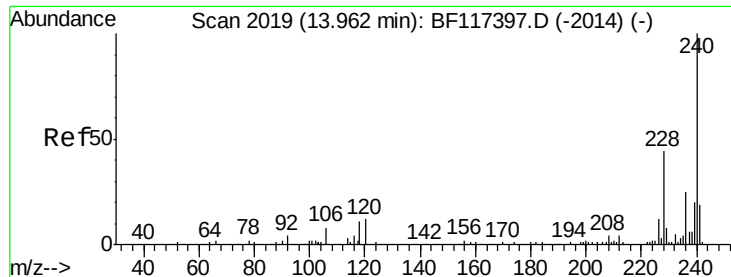


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

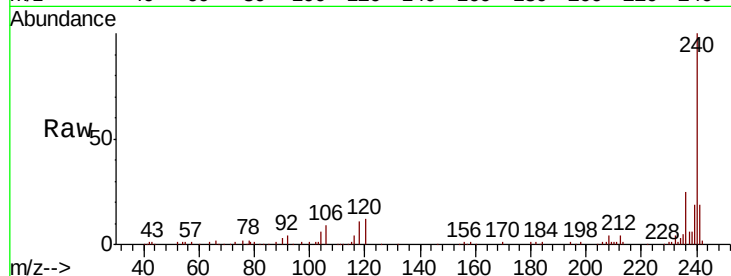




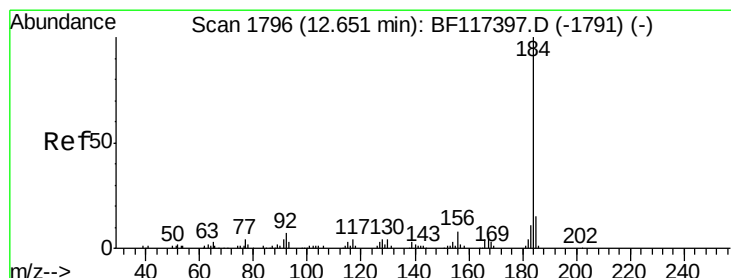
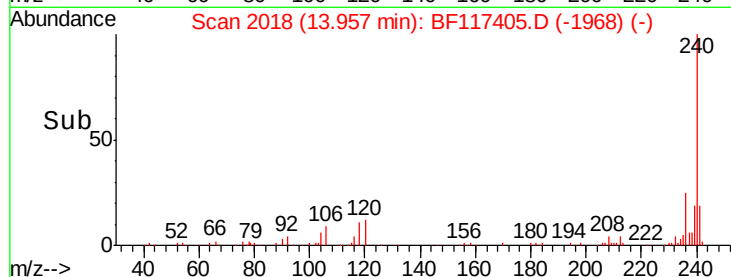
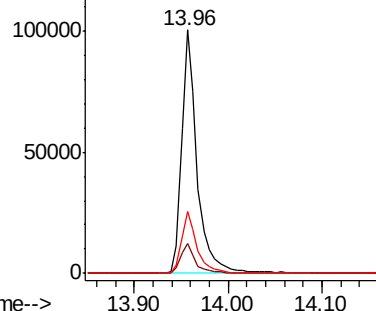
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117405.D
Acq: 14 Oct 2019 18:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 116701
Ion Ratio Lower Upper
240 100
120 12.1 9.4 14.0
236 25.4 19.8 29.6

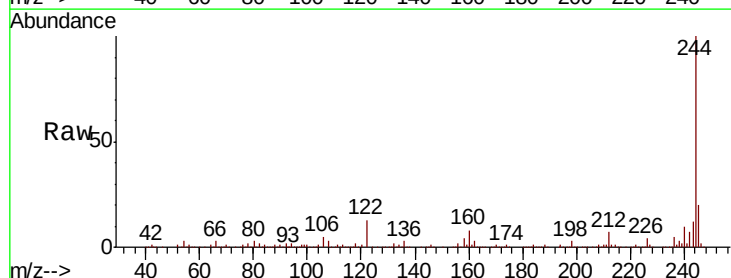


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

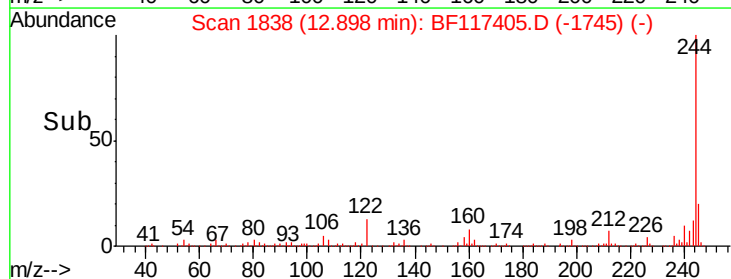
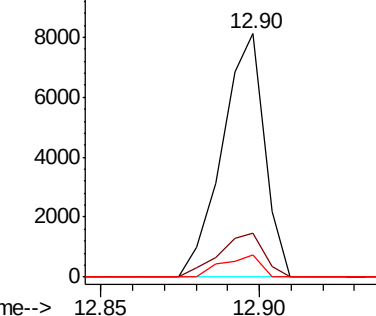


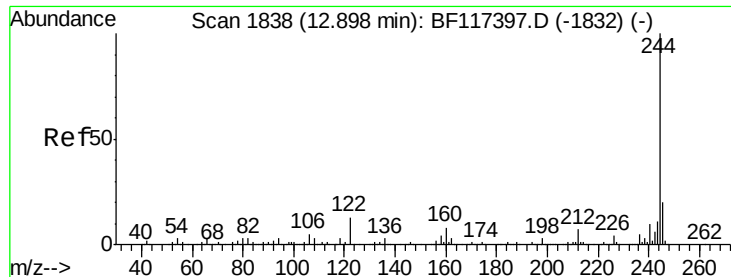
#77
Benzidine
Concen: 2.601 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.25 min
Lab File: BF117405.D
Acq: 14 Oct 2019 18:54

Tgt Ion:184 Resp: 7507
Ion Ratio Lower Upper
184 100
185 18.0 12.2 18.2
183 8.9 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

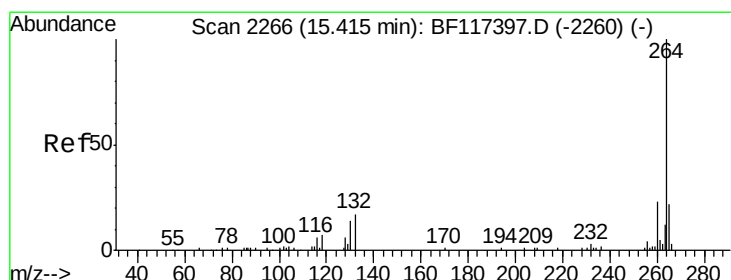
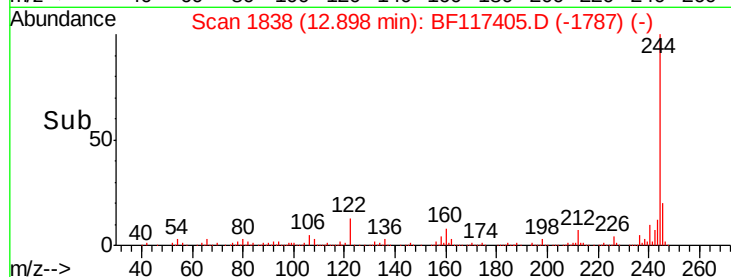
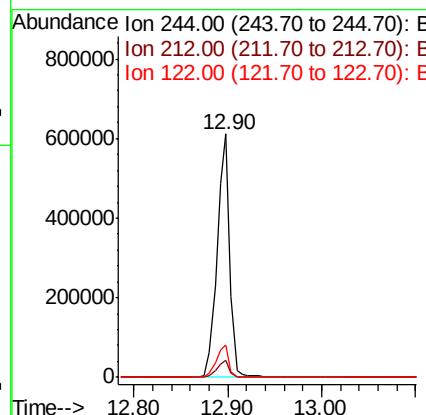
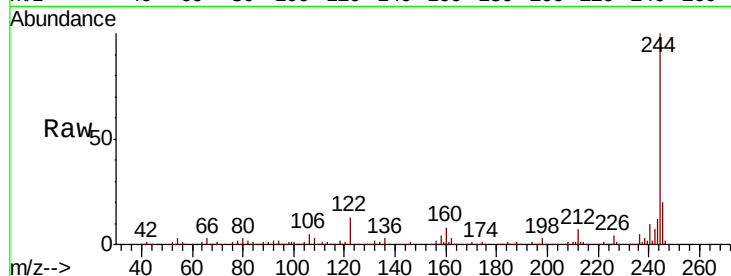




#79
 Terphenyl-d14
 Concen: 81.105 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF117405.D
 Acq: 14 Oct 2019 18:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 580621
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 13.4 10.7 16.1



#87
 Perylene-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 18:54

Tgt Ion:264 Resp: 119869
 Ion Ratio Lower Upper
 264 100
 260 21.7 18.6 27.8
 265 21.8 17.4 26.0

