

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101619\
 Data File : BF117410.D
 Acq On : 16 Oct 2019 14:13
 Operator : JU
 Sample : K5148-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Oct 16 14:49:27 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

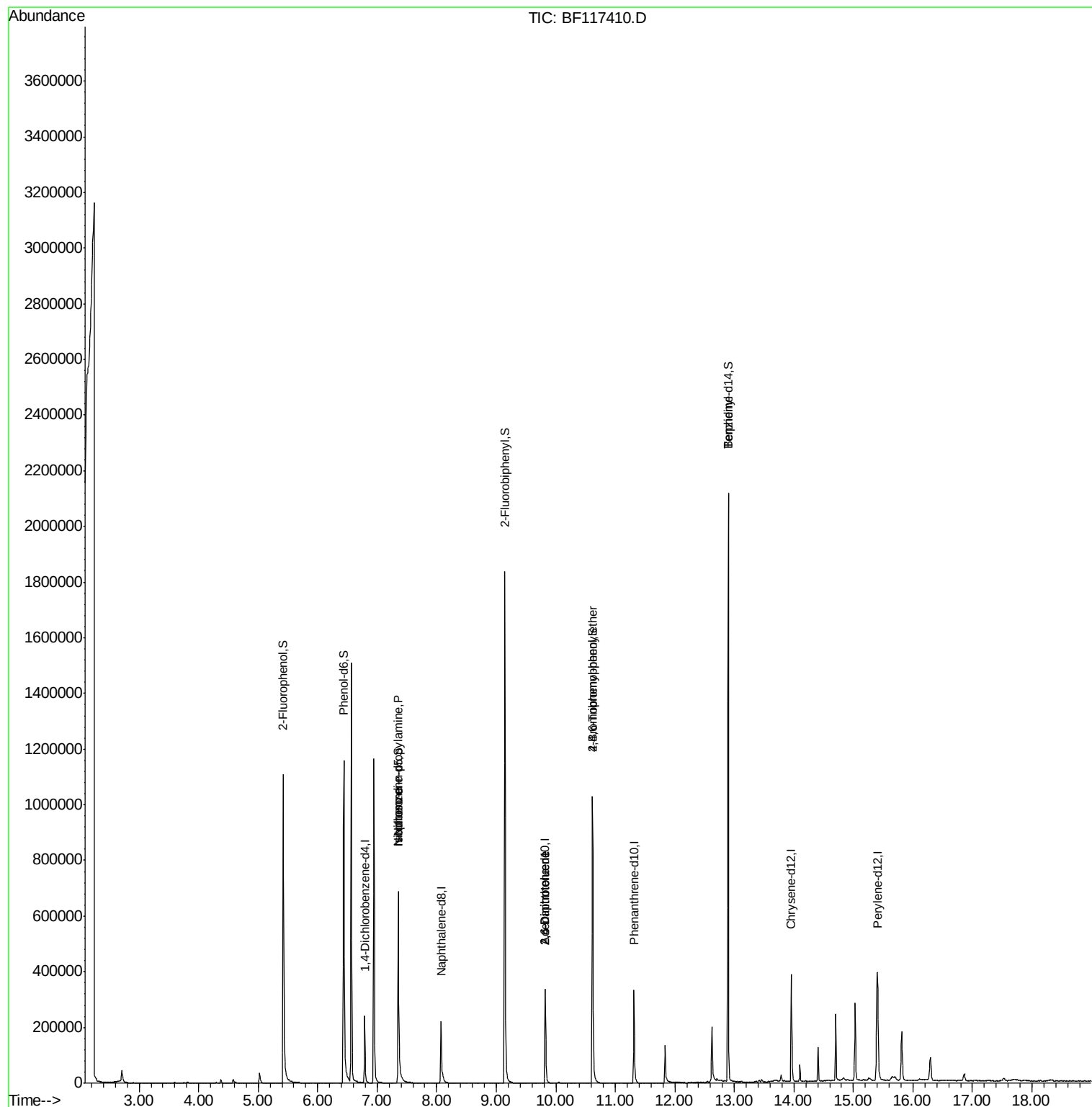
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	43911	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	175755	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	94778	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	164276	20.00	ng	0.00
76) Chrysene-d12	13.96	240	147242	20.00	ng	0.00
87) Perylene-d12	15.41	264	146192	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	385922	135.23	ng	0.00
7) Phenol-d6	6.44	99	503819	133.05	ng	0.00
23) Nitrobenzene-d5	7.36	82	328090	94.63	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	127681	165.53	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	616694	94.86	ng	0.00
79) Terphenyl-d14	12.90	244	754448	83.53	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	802	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	42220	17.487 ng	#	1
25) Isophorone	7.36	82	328087	53.120 ng	#	77
51) 2,6-Dinitrotoluene	9.82	165	11632	8.130 ng	#	67
57) 2,4-Dinitrotoluene	9.82	165	11632	6.162 ng	#	21
67) 4-Bromophenyl-phenylether	10.62	248	8061	4.474 ng	#	12
77) Benizidine	12.90	184	10000	2.746 ng	#	1
					#	93

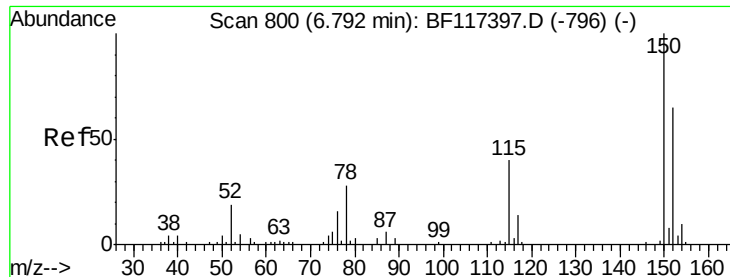
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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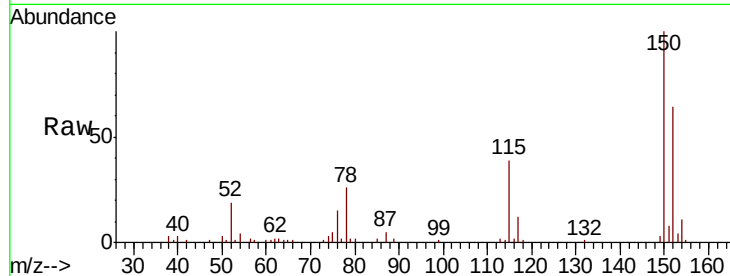


#1

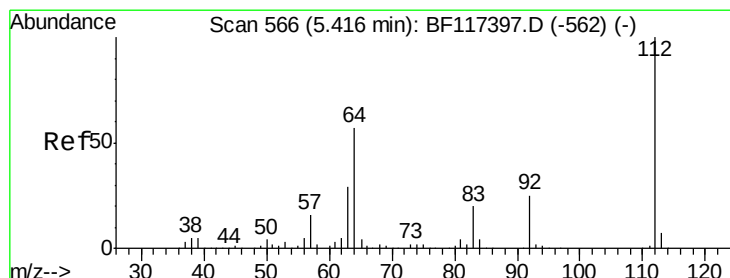
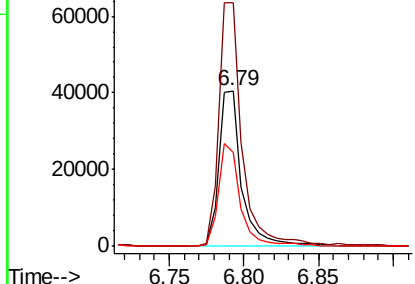
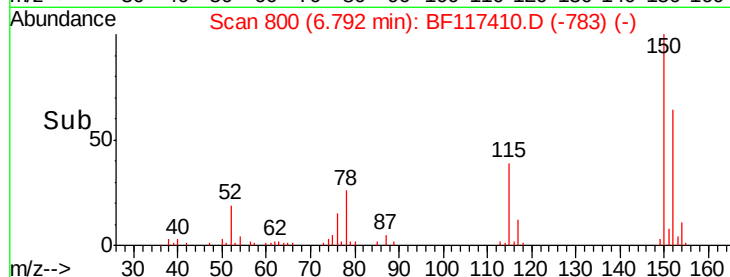
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF117410.D
 Acq: 16 Oct 2019 14:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion:152 Resp: 43911
 Ion Ratio Lower Upper
 152 100
 150 156.6 122.7 184.1
 115 60.6 48.6 73.0



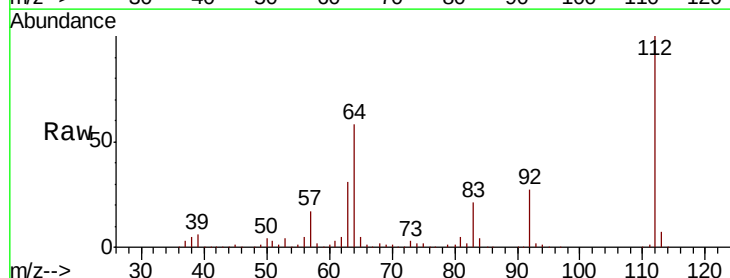
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



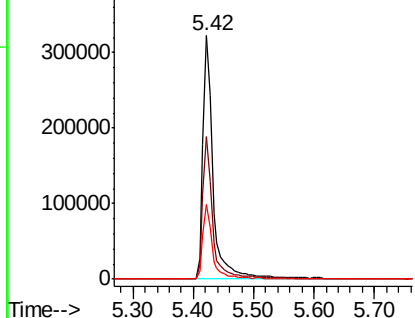
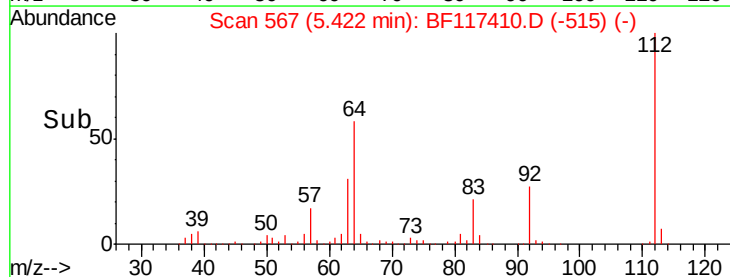
#5

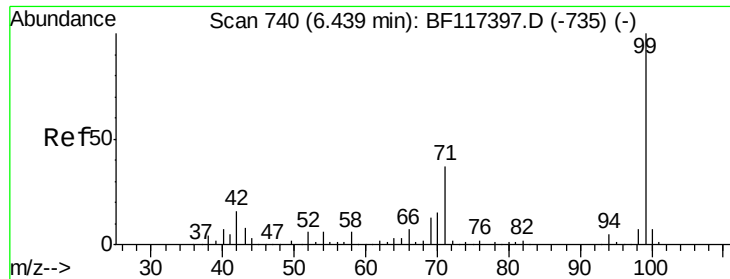
2-Fluorophenol
 Concen: 135.226 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF117410.D
 Acq: 16 Oct 2019 14:13

Tgt Ion:112 Resp: 385922
 Ion Ratio Lower Upper
 112 100
 64 58.5 45.2 67.8
 63 30.6 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: 133.054 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF117410.D

Acq: 16 Oct 2019 14:13

Instrument :

BNA_F

ClientSampled :

TP-4

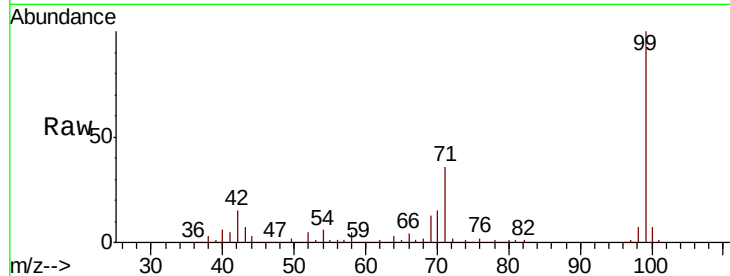
Tot Ion: 99 Resp: 503819

Ion Ratio Lower Upper

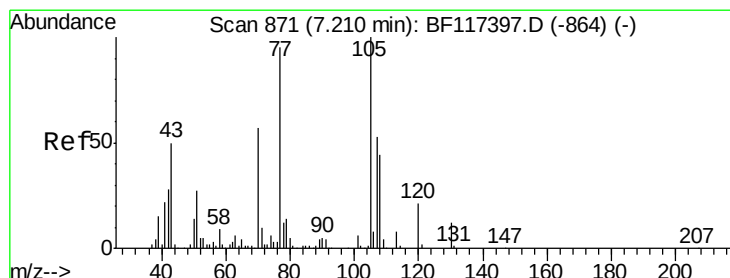
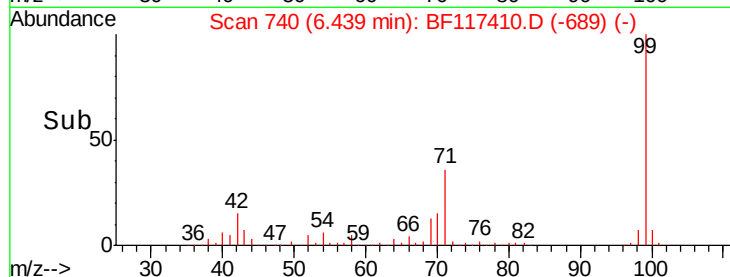
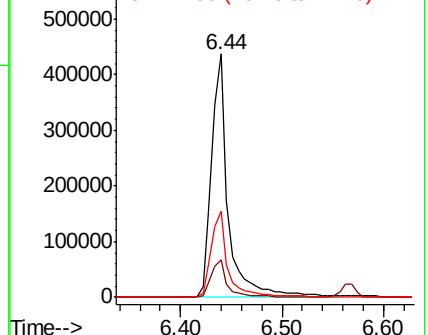
99 100

42 15.5 12.5 18.7

71 35.6 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: 17.487 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF117410.D

Acq: 16 Oct 2019 14:13

Tgt Ion: 70 Resp: 42220

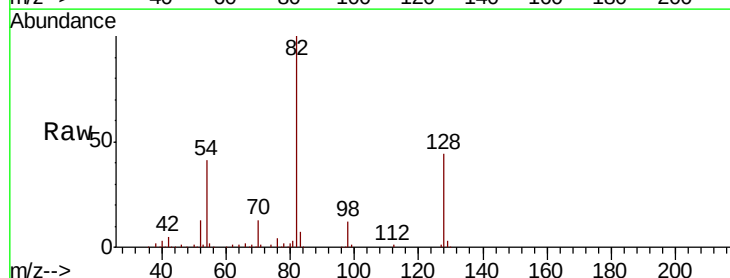
Ion Ratio Lower Upper

70 100

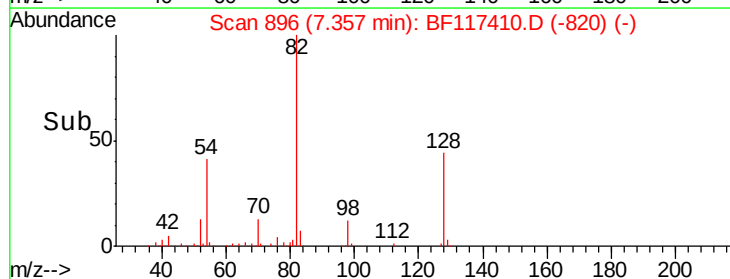
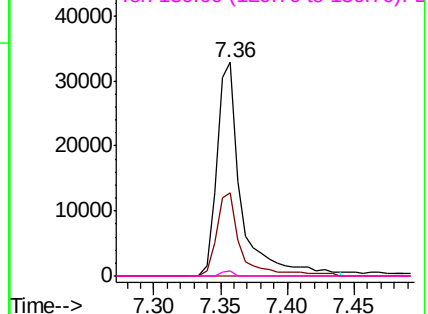
42 38.8 39.8 59.8#

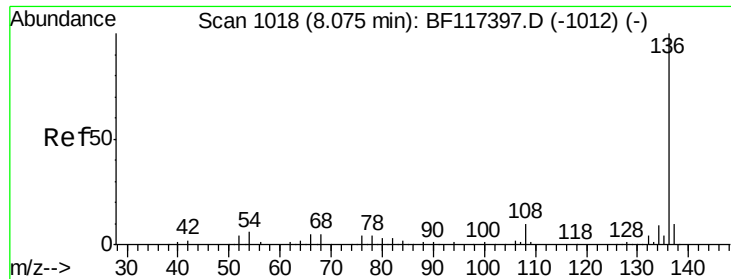
101 0.0 8.1 12.1#

130 2.5 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

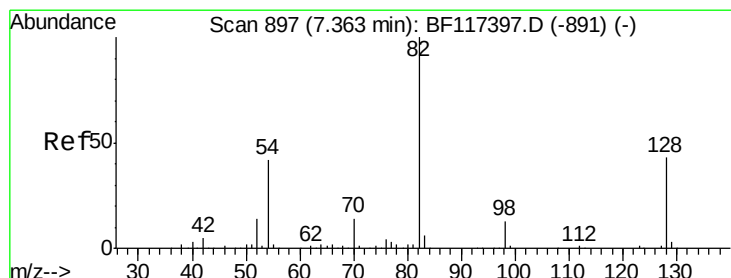
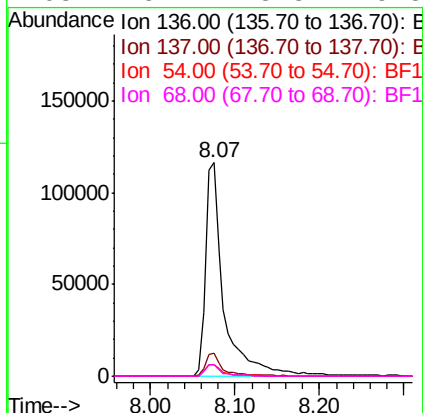
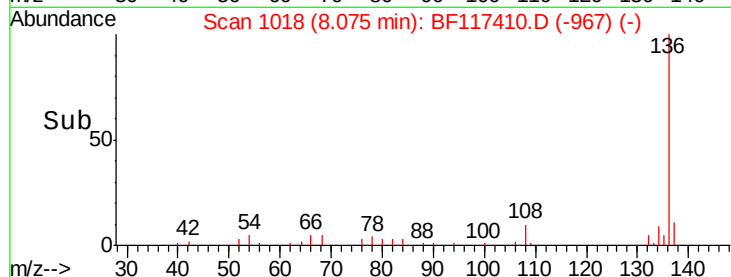
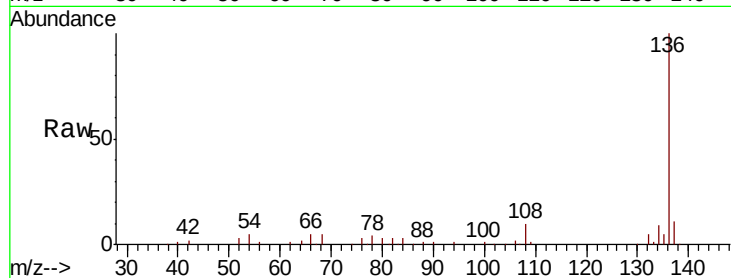




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117410.D
Acq: 16 Oct 2019 14:13

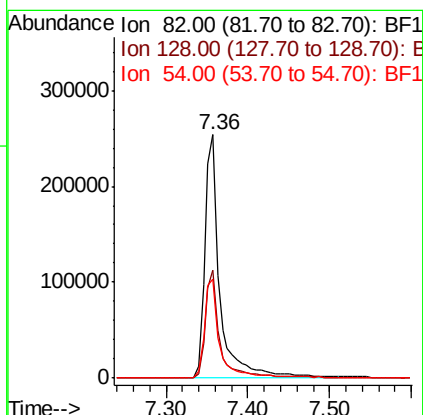
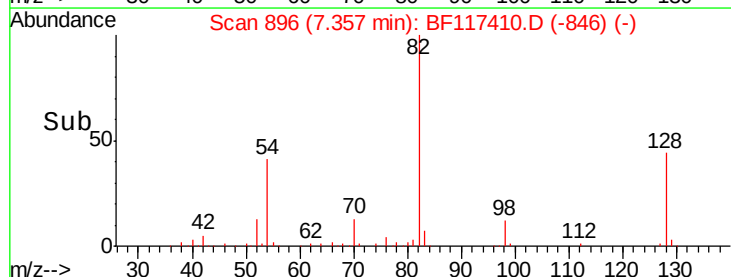
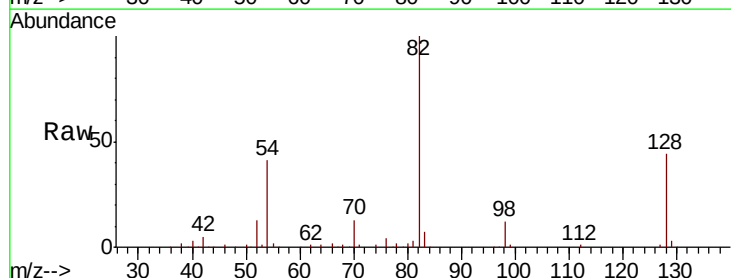
Instrument :
BNA_F
ClientSampleId :
TP-4

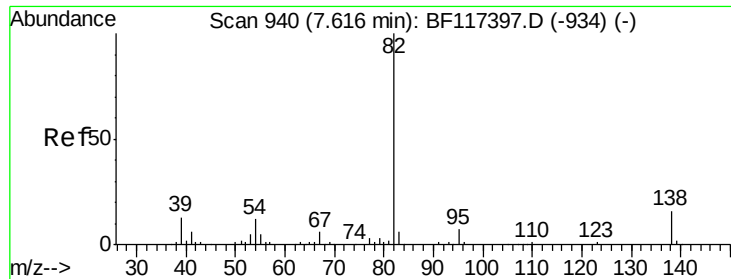
Tot Ion:136	Resp:	175755
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.4	12.6
54 5.5	4.6	6.8
68 5.4	3.8	5.8



#23
Nitrobenzene-d5
Concen: 94.626 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117410.D
Acq: 16 Oct 2019 14:13

Tgt	Ion: 82	Resp:	328090
Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.1	51.1
54	40.6	33.3	49.9





#25

Isophorone

Concen: 53.120 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF117410.D

Acq: 16 Oct 2019 14:13

Instrument :

BNA_F

ClientSampleId :

TP-4

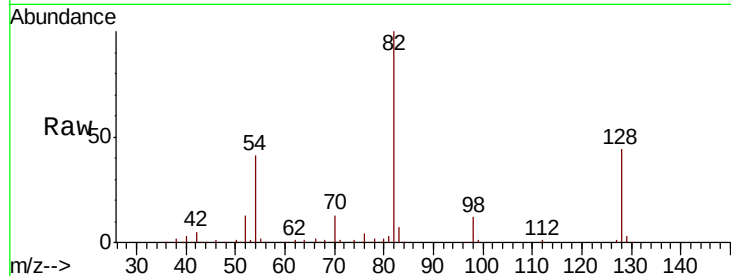
Tot Ion: 82 Resp: 328087

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

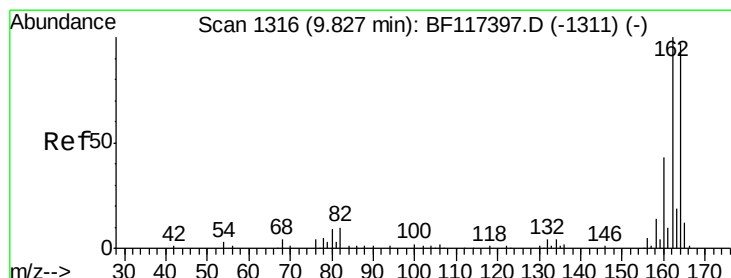
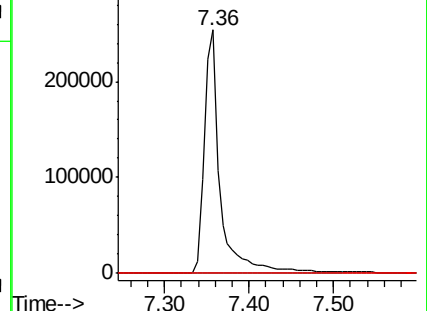
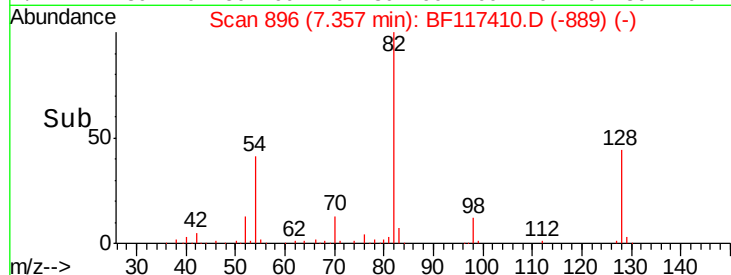
138 0.0 13.0 19.4#



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: BF117410.D

Acq: 16 Oct 2019 14:13

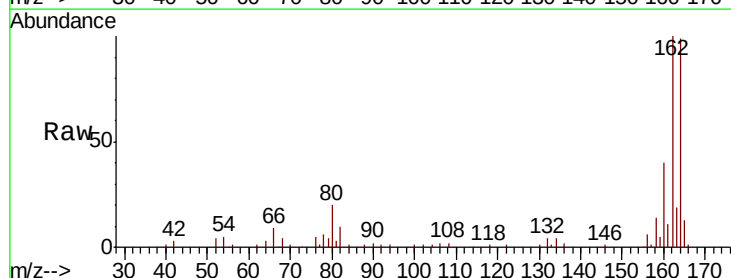
Tgt Ion: 164 Resp: 94778

Ion Ratio Lower Upper

164 100

162 100.5 82.4 123.6

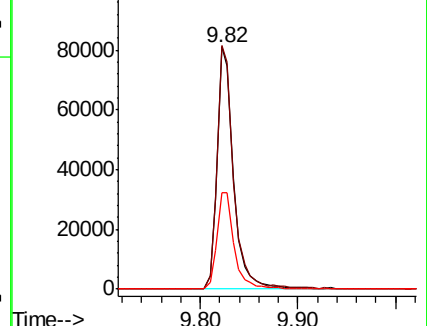
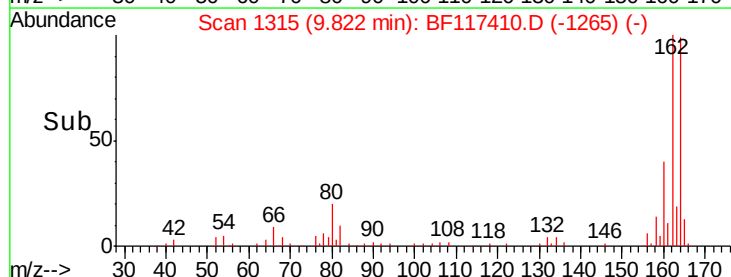
160 39.9 35.4 53.0

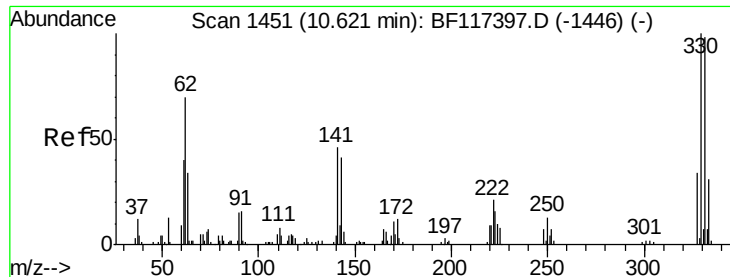


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

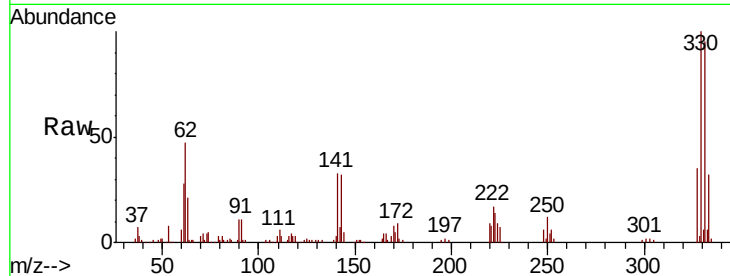




#42
 2,4,6-Tribromophenol
 Concen: 165.526 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF117410.D
 Acq: 16 Oct 2019 14:13

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.0	112.6
141	43.6	34.2	51.4

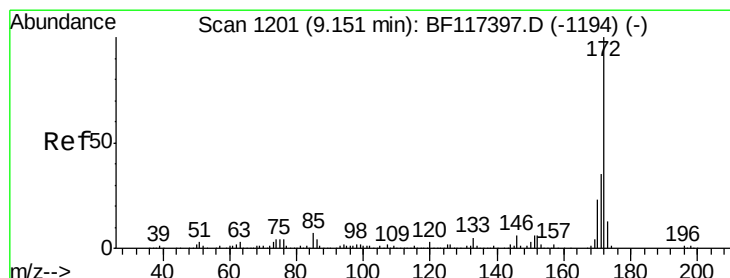
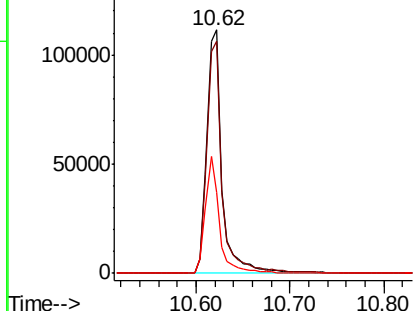
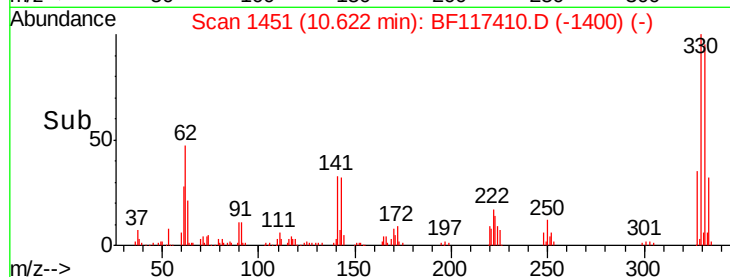


Abundance

Ion 329.80 (329.50 to 330.50): E

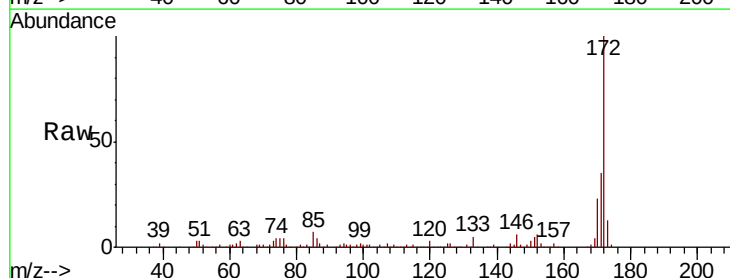
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 94.860 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF117410.D
 Acq: 16 Oct 2019 14:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	22.7	18.2	27.2

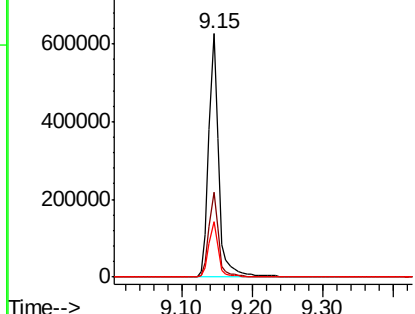
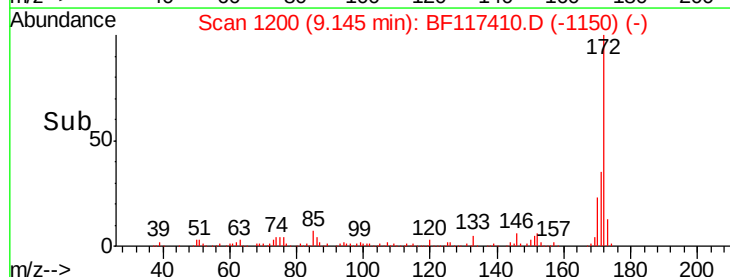


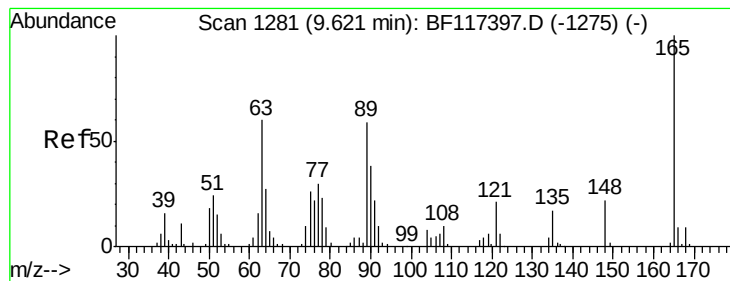
Abundance

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: 8.130 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.20 min

Lab File: BF117410.D

Acq: 16 Oct 2019 14:13

Instrument :

BNA_F

ClientSampled :

TP-4

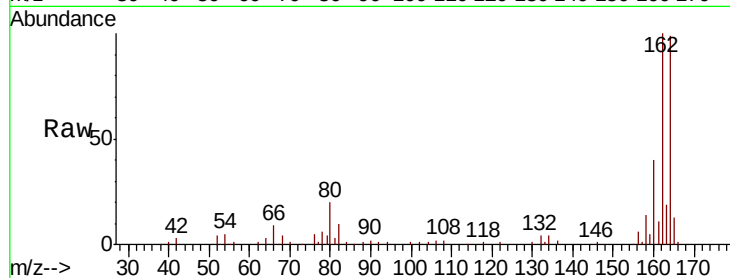
Tot Ion:165 Resp: 11632

Ion Ratio Lower Upper

165 100

63 0.0 47.8 71.6#

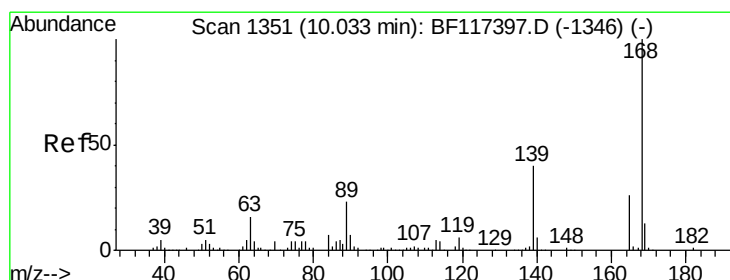
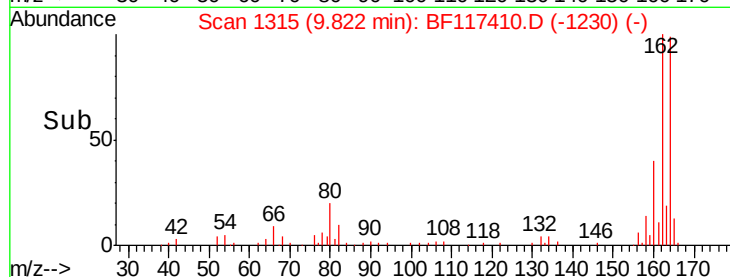
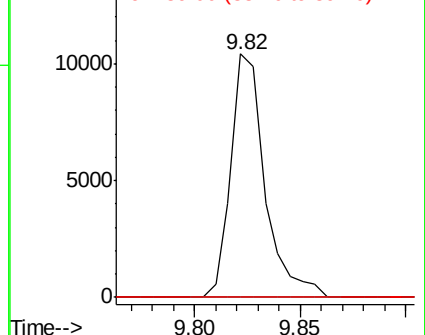
89 0.0 47.4 71.0#



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: 6.162 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.21 min

Lab File: BF117410.D

Acq: 16 Oct 2019 14:13

Tgt Ion:165 Resp: 11632

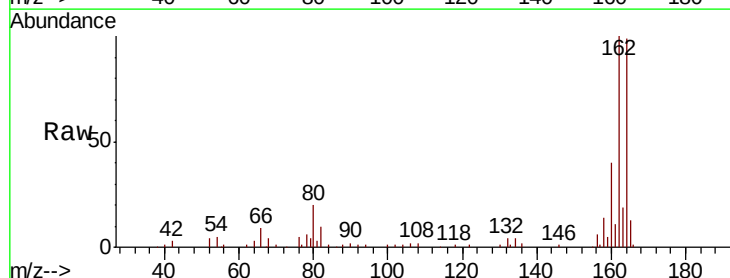
Ion Ratio Lower Upper

165 100

63 0.0 51.0 76.4#

89 0.0 70.7 106.1#

182 0.0 2.1 3.1#

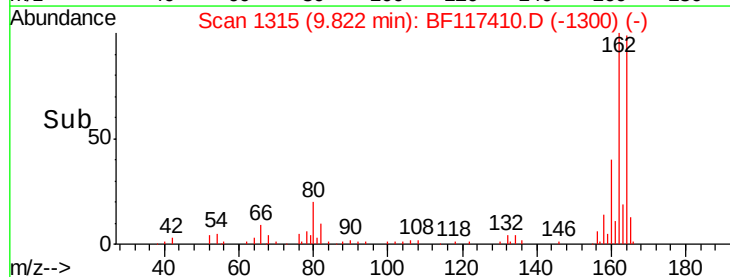
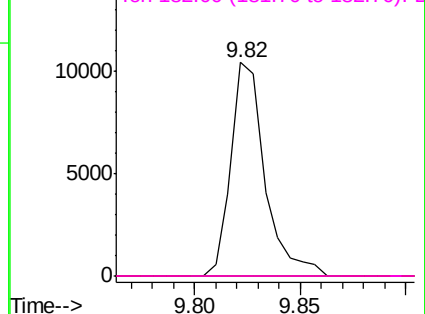


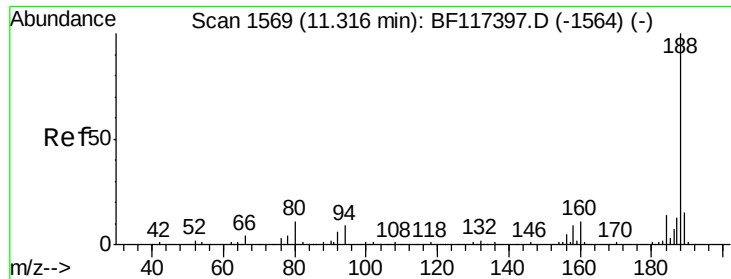
Abundance Ion 165.00 (164.70 to 165.70): E

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

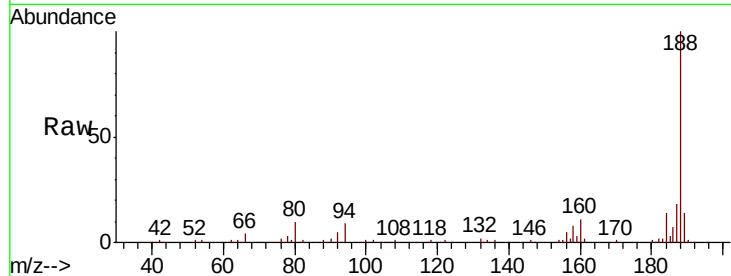




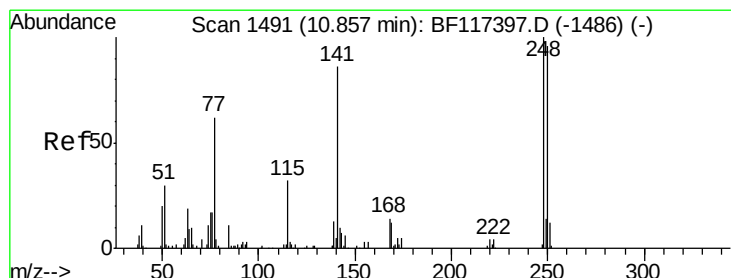
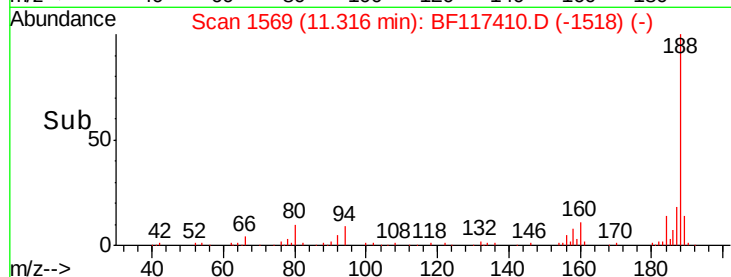
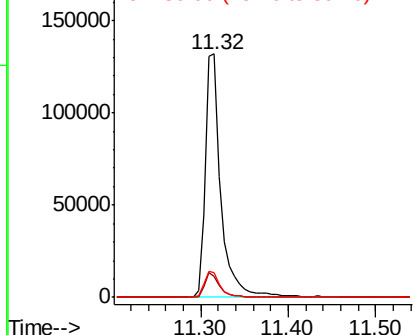
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF117410.D
 Acq: 16 Oct 2019 14:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tot Ion:188 Resp: 164276
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.5 11.3
 80 10.3 8.7 13.1

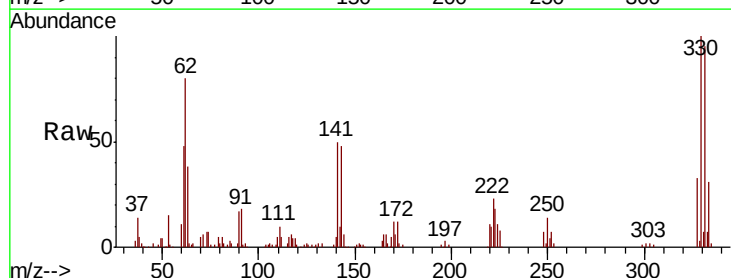


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

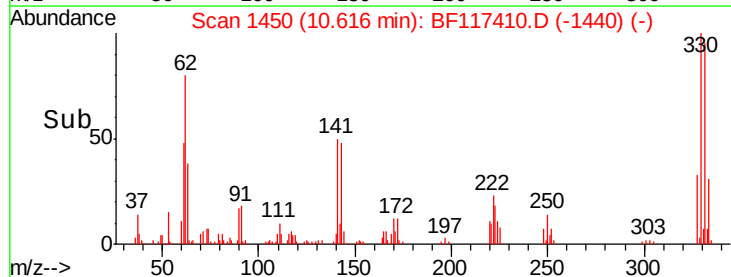
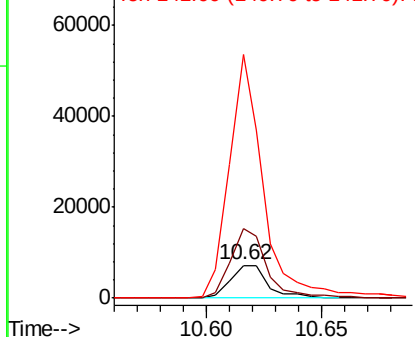


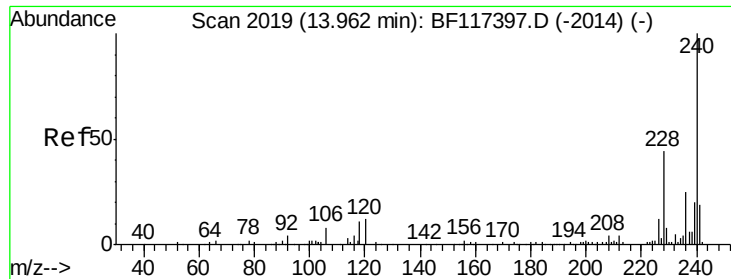
#67
 4-Bromophenyl-phenylether
 Concen: 4.474 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.24 min
 Lab File: BF117410.D
 Acq: 16 Oct 2019 14:13

Tgt Ion:248 Resp: 8061
 Ion Ratio Lower Upper
 248 100
 250 211.6 77.1 115.7#
 141 743.2 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

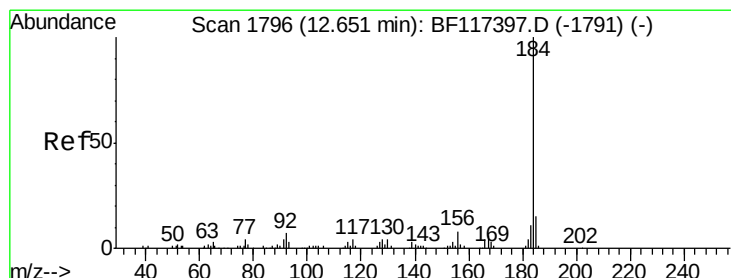
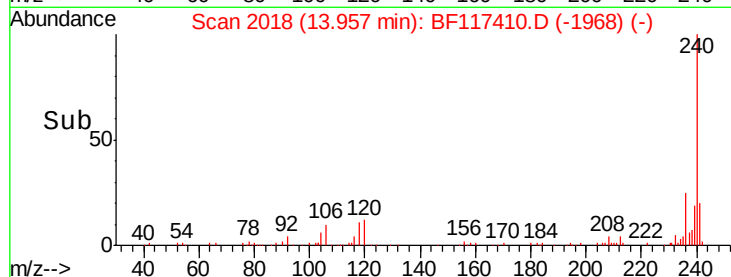
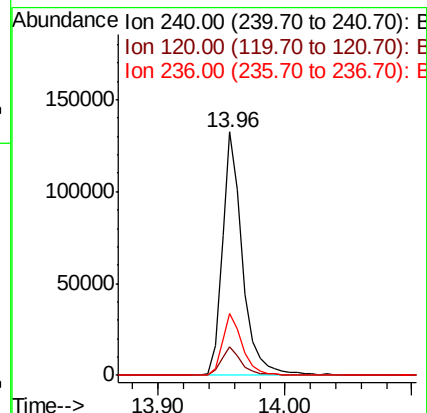
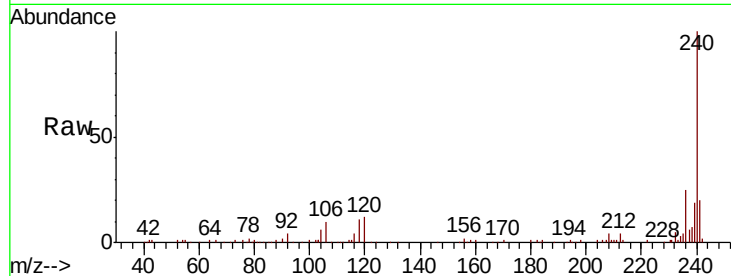




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117410.D
Acq: 16 Oct 2019 14:13

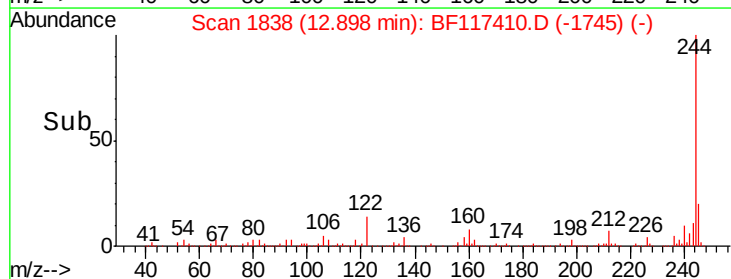
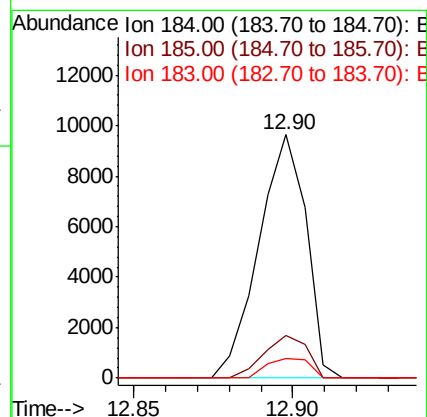
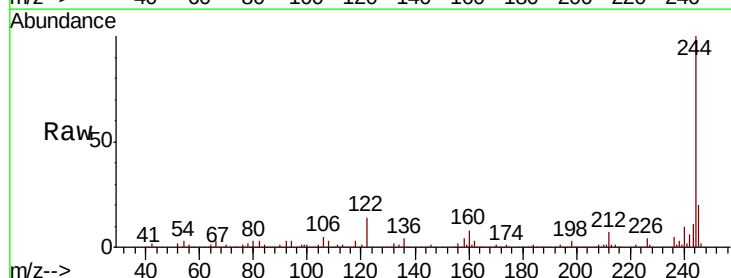
Instrument :
BNA_F
ClientSampleId :
TP-4

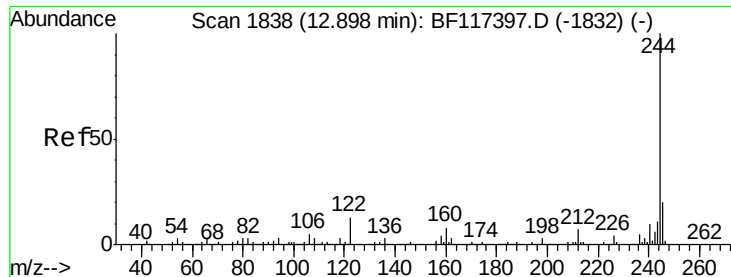
Tot Ion:240 Resp: 147242
Ion Ratio Lower Upper
240 100
120 12.0 9.4 14.0
236 25.4 19.8 29.6



#77
Benzidine
Concen: 2.746 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.25 min
Lab File: BF117410.D
Acq: 16 Oct 2019 14:13

Tgt Ion:184 Resp: 10000
Ion Ratio Lower Upper
184 100
185 17.6 12.2 18.2
183 8.0 8.9 13.3#





#79

Terphenyl-d14

Concen: 83.527 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF117410.D

Acq: 16 Oct 2019 14:13

Instrument :

BNA_F

ClientSampleId :

TP-4

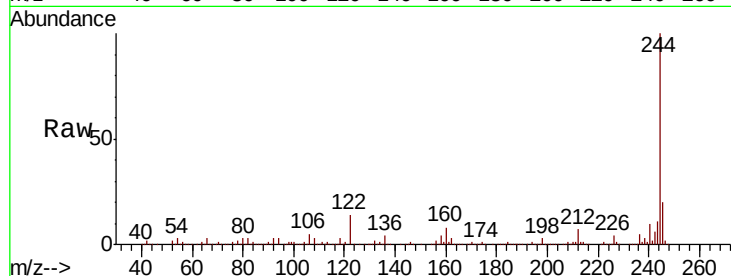
Tot Ion:244 Resp: 754448

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

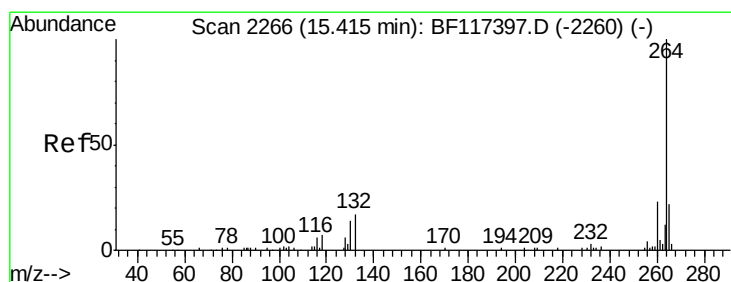
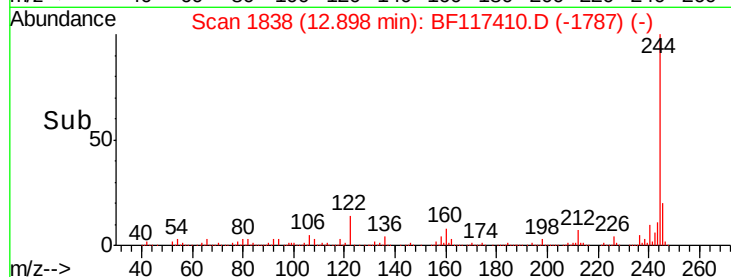
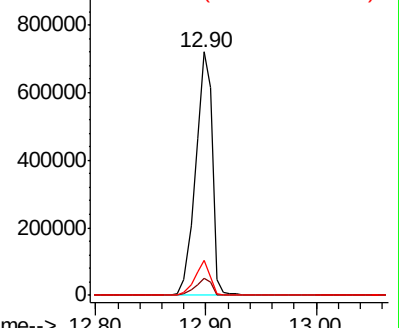
122 14.5 10.7 16.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF117410.D

Acq: 16 Oct 2019 14:13

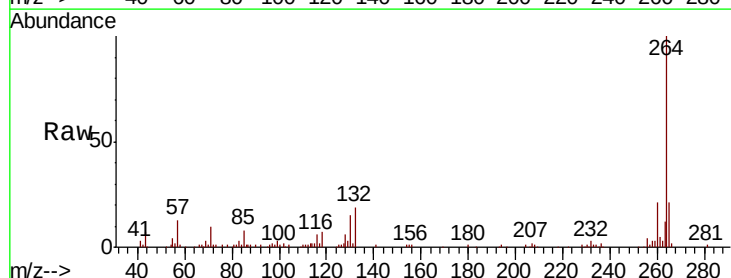
Tgt Ion:264 Resp: 146192

Ion Ratio Lower Upper

264 100

260 21.2 18.6 27.8

265 21.1 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

