

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
 Data File : BF117459.D
 Acq On : 21 Oct 2019 20:41
 Operator : JU
 Sample : K5150-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 01:55:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

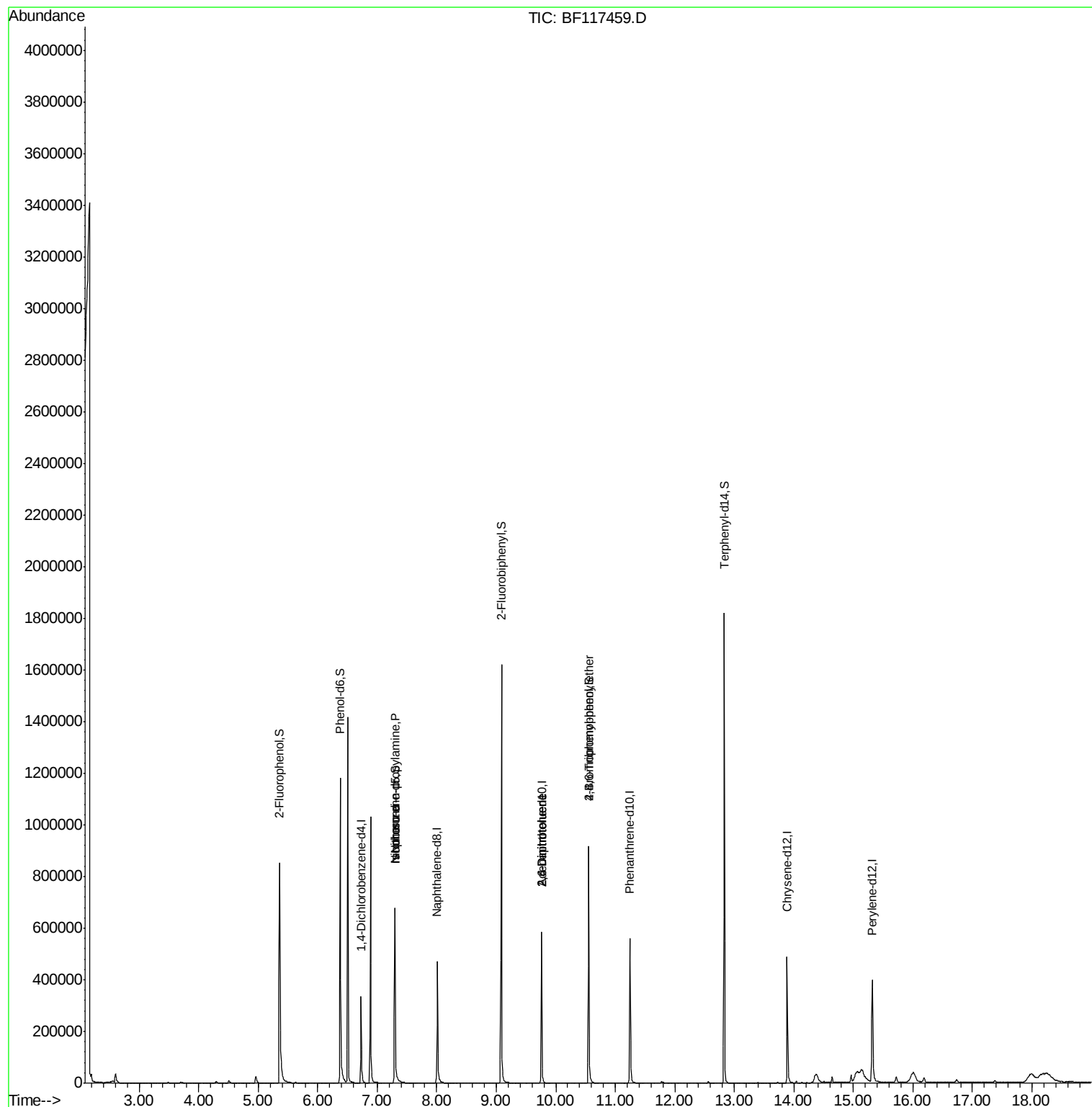
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	60121	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	251277	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	130982	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	226184	20.00	ng	0.00
76) Chrysene-d12	13.89	240	193204	20.00	ng	-0.01
87) Perylene-d12	15.32	264	193773	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	343911	85.10	ng	0.01
7) Phenol-d6	6.38	99	450358	82.97	ng	0.00
23) Nitrobenzene-d5	7.30	82	290262	57.03	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	102490	90.43	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	517085	55.62	ng	0.00
79) Terphenyl-d14	12.83	244	583762	49.28	ng	0.00
Target Compounds						
9) Benzaldehyde	6.38	77	519	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.30	70	37970	11.455 ng	#	77
25) Isophorone	7.30	82	290260	32.965 ng	#	65
51) 2,6-Dinitrotoluene	9.76	165	17007	8.728 ng	#	22
57) 2,4-Dinitrotoluene	9.76	165	17007	6.565 ng	#	12
67) 4-Bromophenyl-phenylether	10.55	248	6682	2.743 ng	#	1
77) Benzidine	12.83	184	8202	Below Cal	#	93

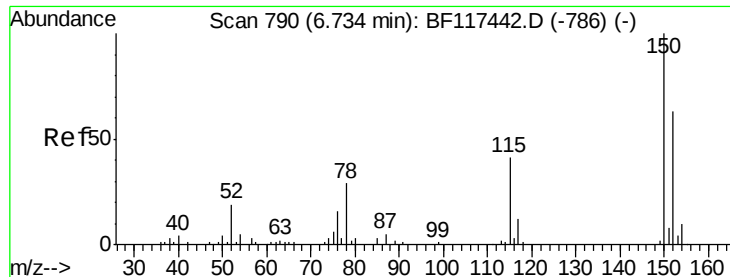
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

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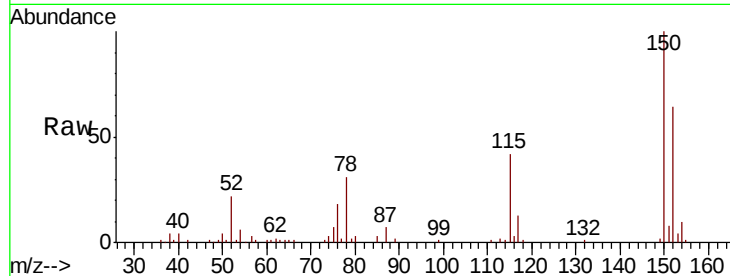


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117459.D
Acq: 21 Oct 2019 20:41

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.8	190.2
115	66.5	51.6	77.4

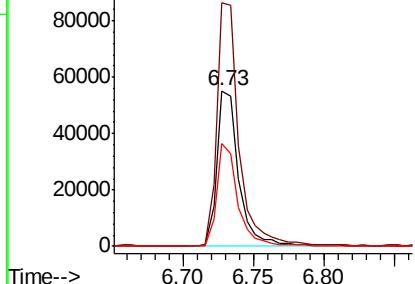
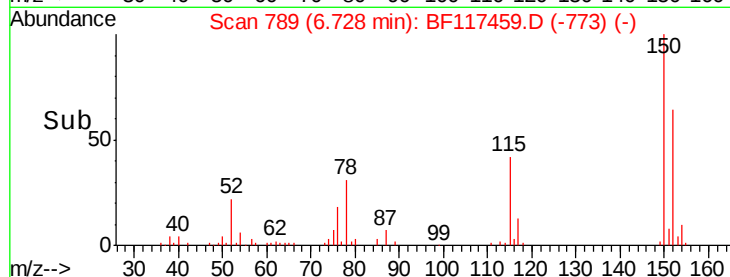


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

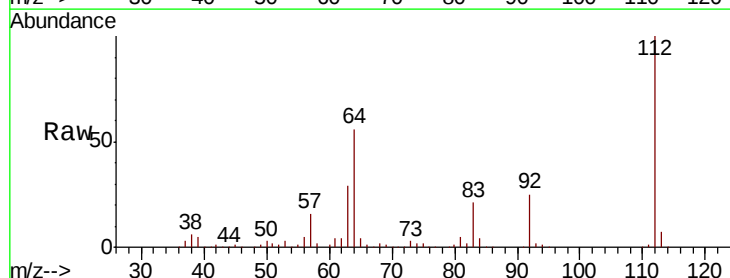
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.101 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF117459.D
Acq: 21 Oct 2019 20:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.1	66.1
63	29.2	23.4	35.2

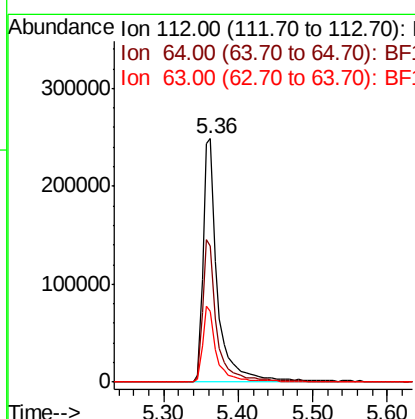
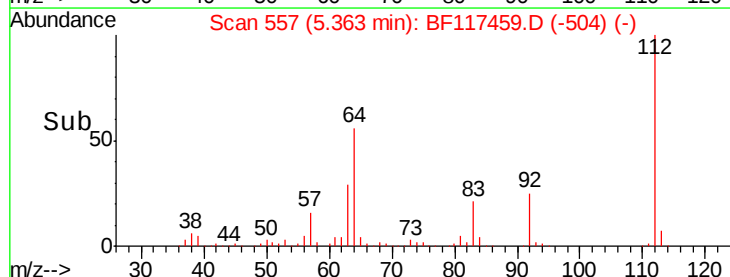


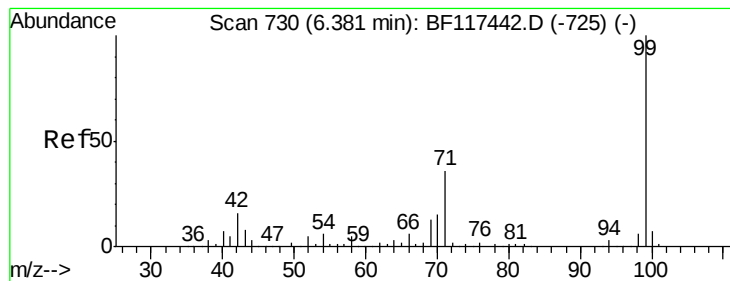
Abundance

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: 82.973 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF117459.D

Acq: 21 Oct 2019 20:41

Instrument :

BNA_F

ClientSampled :

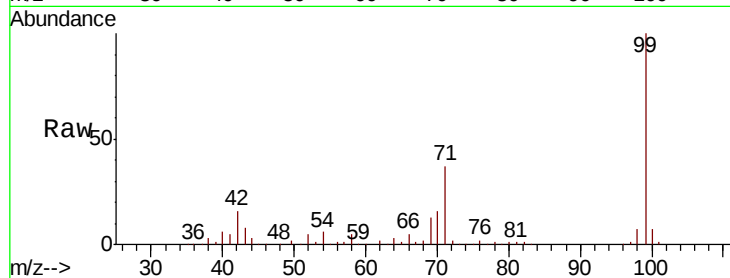
Tot Ion: 99 Resp: 450358

Ion Ratio Lower Upper

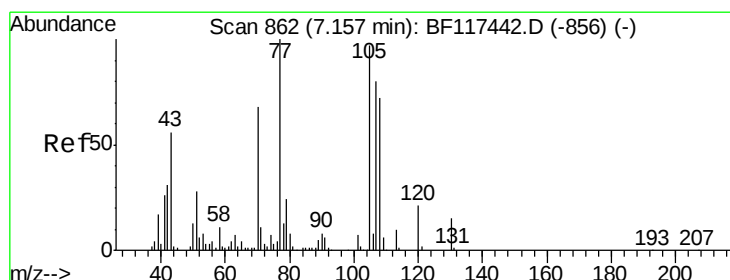
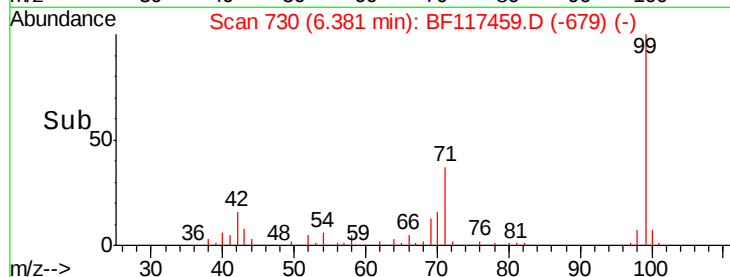
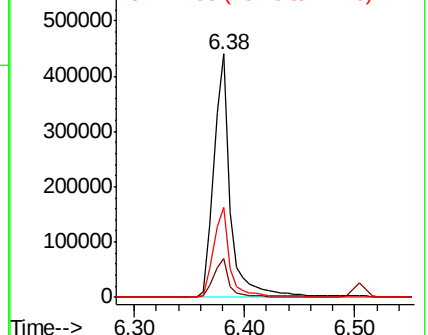
99 100

42 15.7 12.8 19.2

71 36.8 28.6 43.0



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: 11.455 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117459.D

Acq: 21 Oct 2019 20:41

Tgt Ion: 70 Resp: 37970

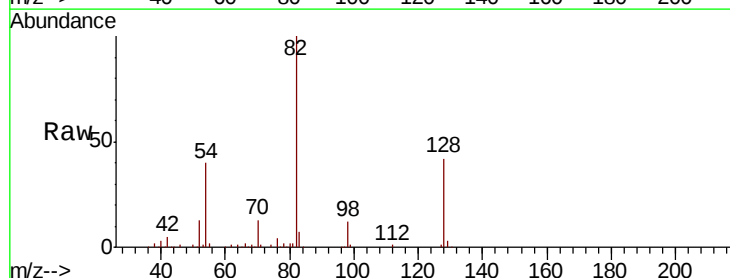
Ion Ratio Lower Upper

70 100

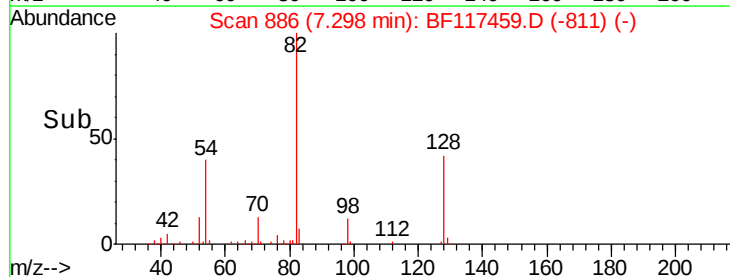
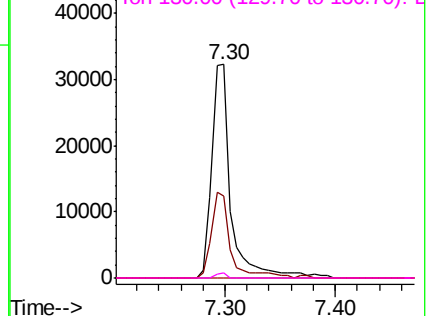
42 38.2 36.7 55.1

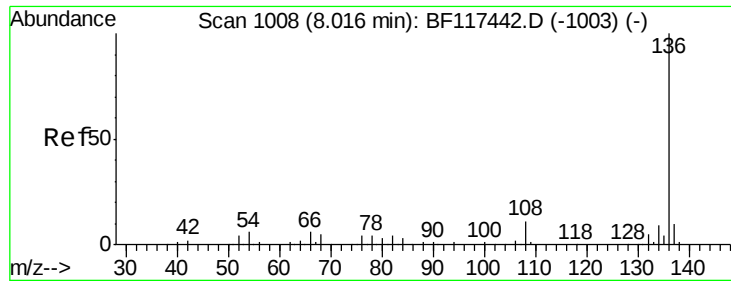
101 0.0 8.3 12.5#

130 2.1 18.1 27.1#



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

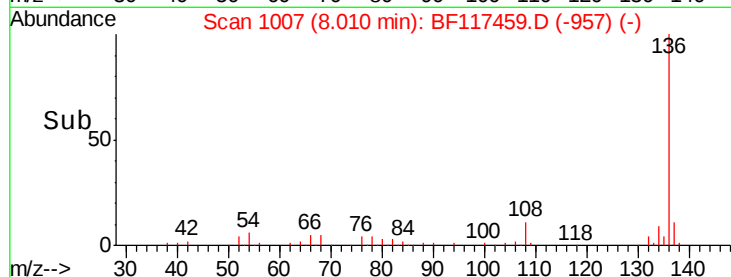
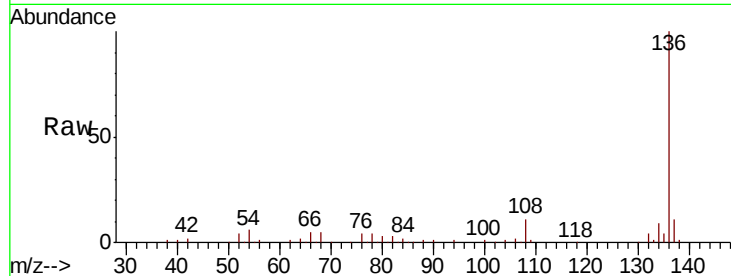




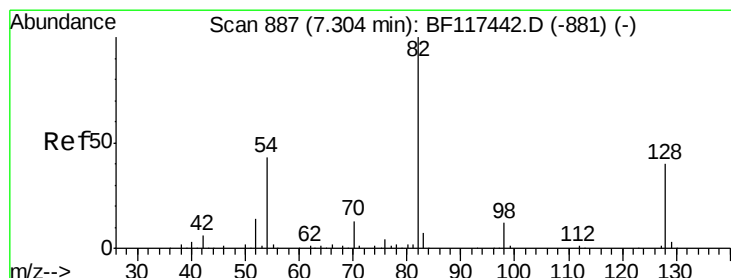
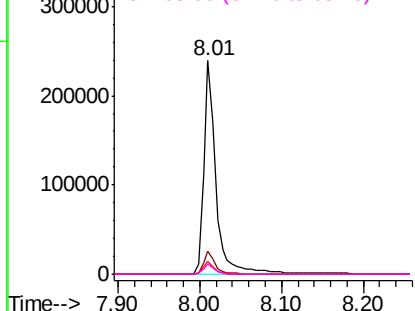
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117459.D
Acq: 21 Oct 2019 20:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	251277
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.2 12.4
54	6.0	4.5 6.7
68	5.1	4.3 6.5

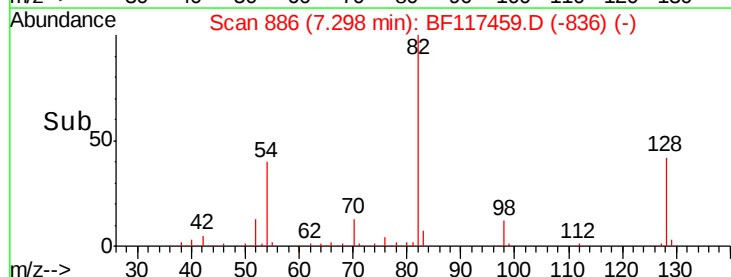
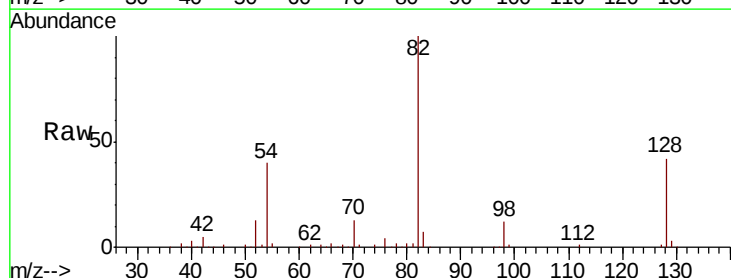


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

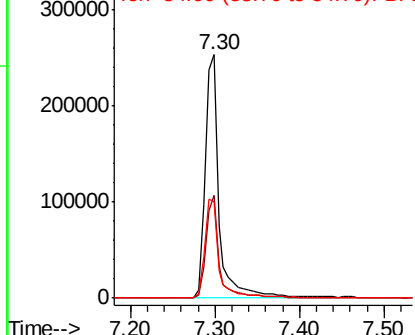


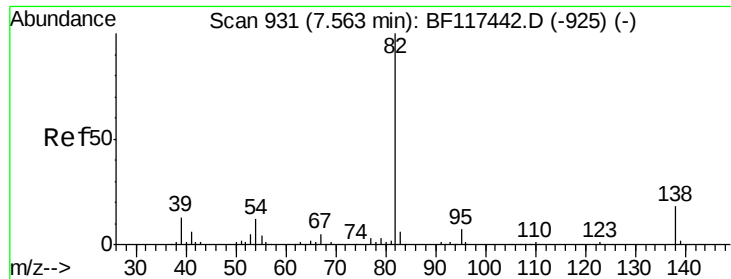
#23
Nitrobenzene-d5
Concen: 57.027 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117459.D
Acq: 21 Oct 2019 20:41

Tgt Ion: 82	Resp:	290262
Ion Ratio	Lower	Upper
82	100	
128	42.0	32.2 48.2
54	39.8	34.2 51.2



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: 32.965 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117459.D

Acq: 21 Oct 2019 20:41

Instrument :

BNA_F

ClientSampleId :

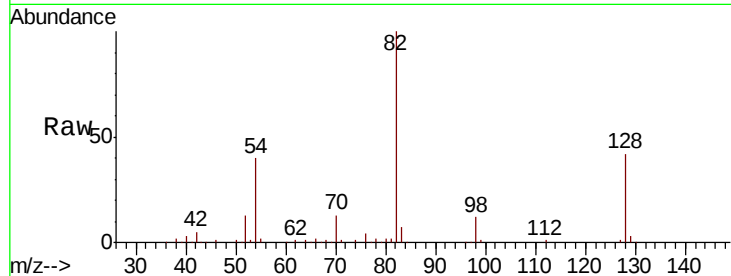
Tot Ion: 82 Resp: 290260

Ion Ratio Lower Upper

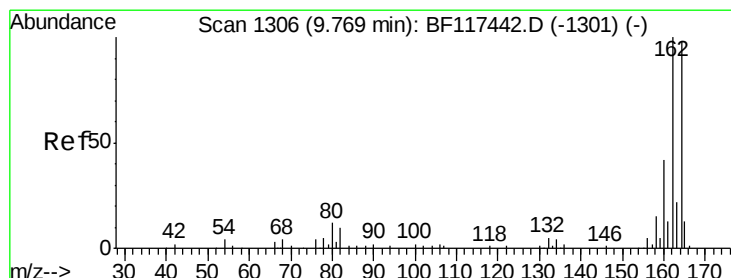
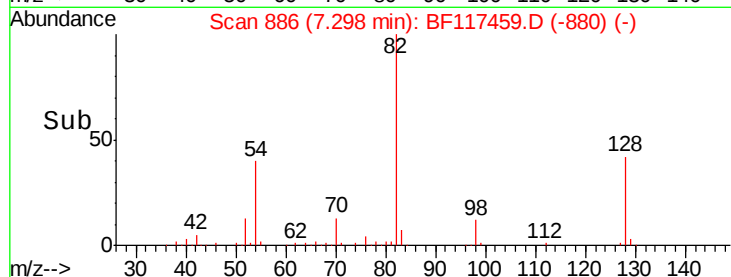
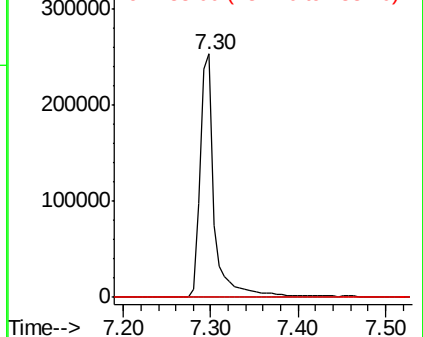
82 100

95 0.0 5.4 8.0#

138 0.0 14.2 21.2#



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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117459.D

Acq: 21 Oct 2019 20:41

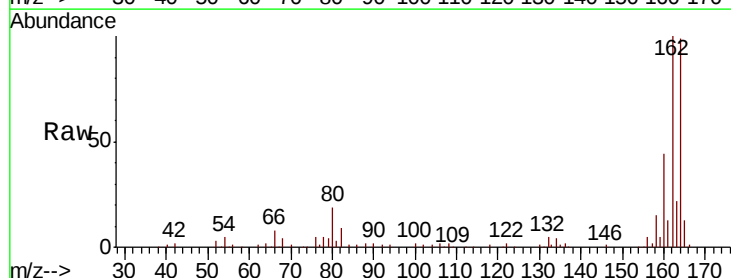
Tgt Ion: 164 Resp: 130982

Ion Ratio Lower Upper

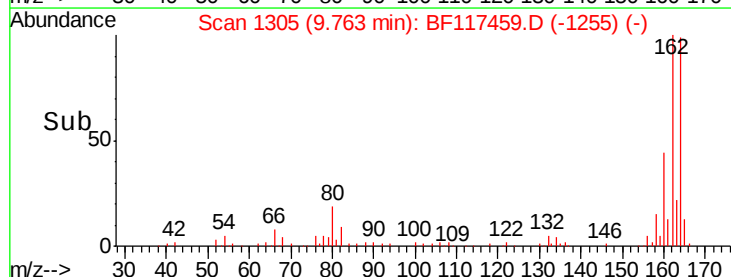
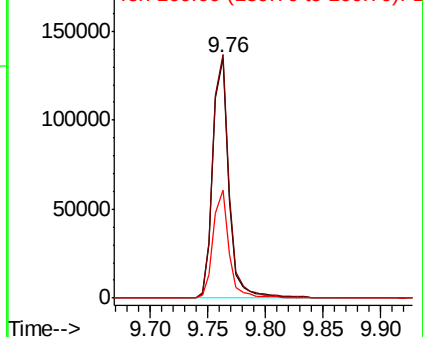
164 100

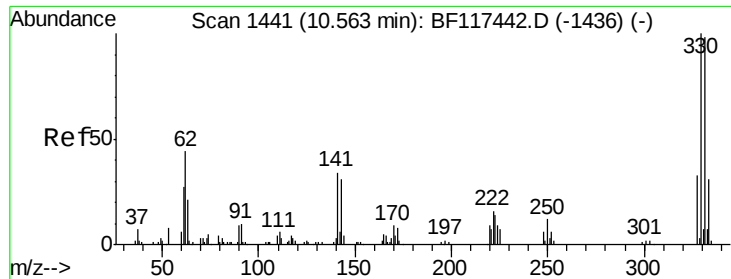
162 101.5 81.8 122.6

160 45.1 34.4 51.6



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: 90.433 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117459.D

Acq: 21 Oct 2019 20:41

Instrument :

BNA_F

ClientSampleId :

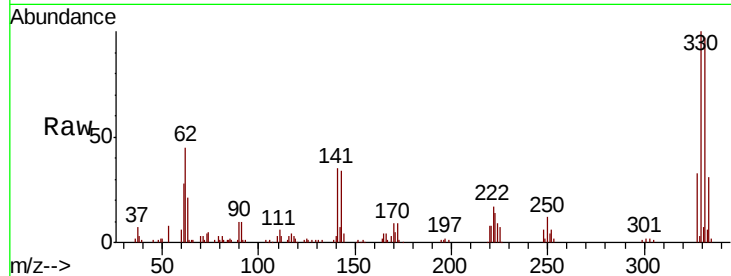
Tot Ion:330 Resp: 102490

Ion Ratio Lower Upper

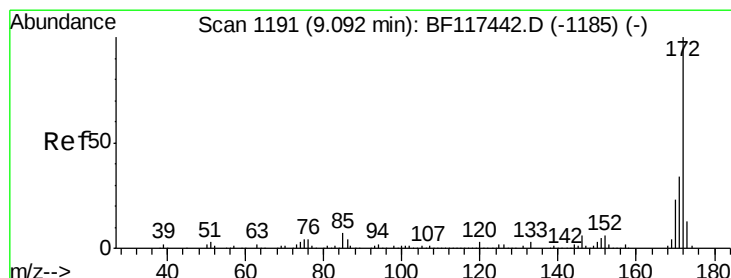
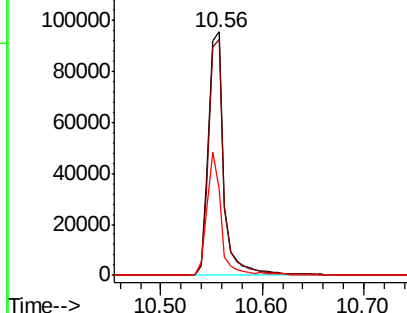
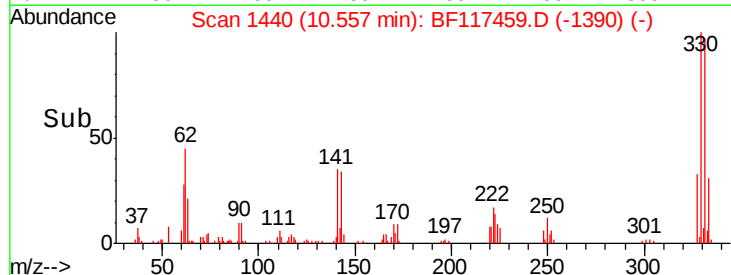
330 100

332 96.0 78.5 117.7

141 45.2 37.0 55.6



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: 55.623 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117459.D

Acq: 21 Oct 2019 20:41

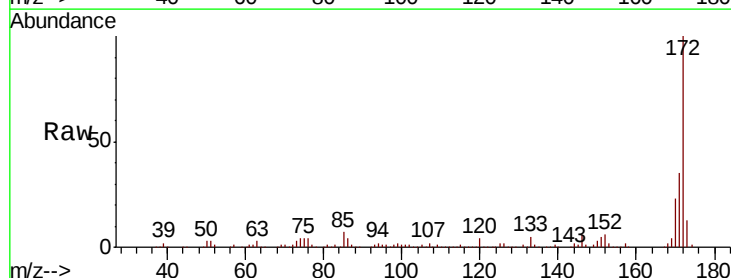
Tgt Ion:172 Resp: 517085

Ion Ratio Lower Upper

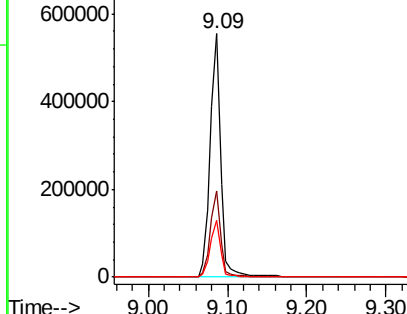
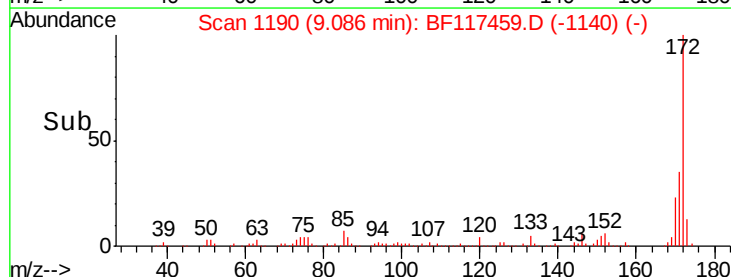
172 100

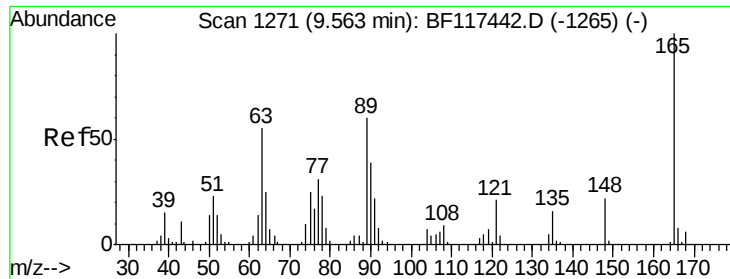
171 35.4 27.5 41.3

170 23.3 18.6 27.8



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

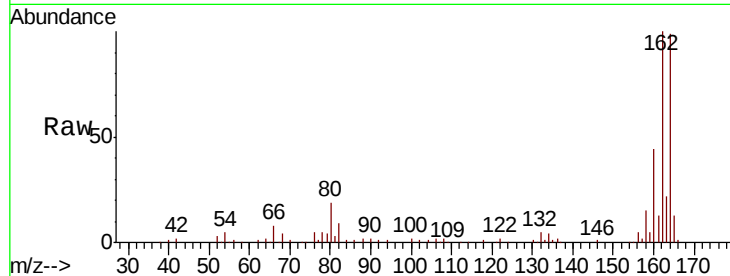




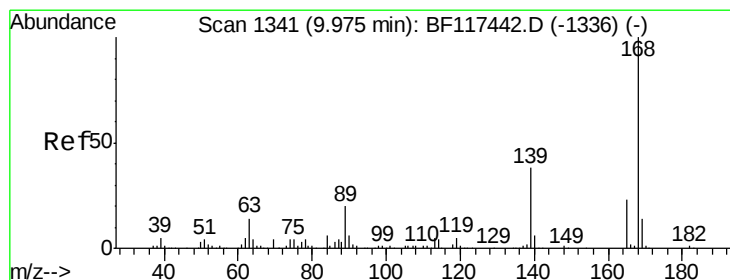
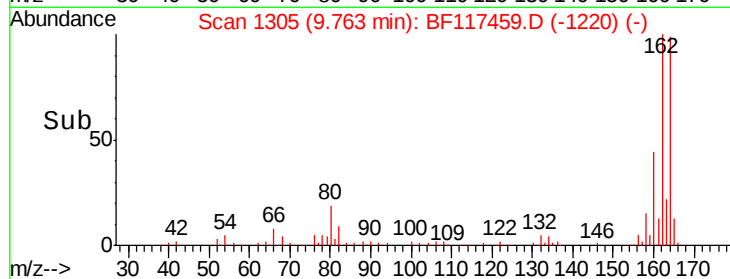
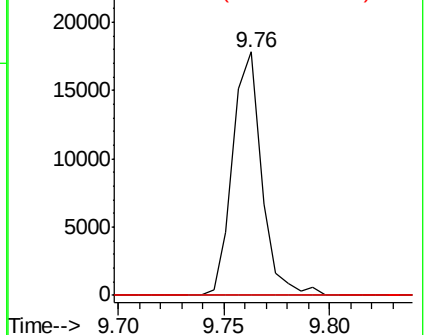
#51
 2,6-Dinitrotoluene
 Concen: 8.728 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117459.D
 Acq: 21 Oct 2019 20:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#

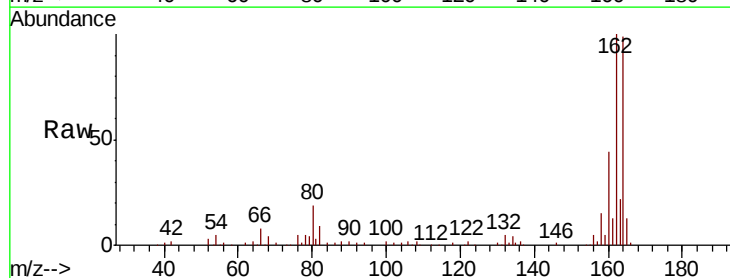


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

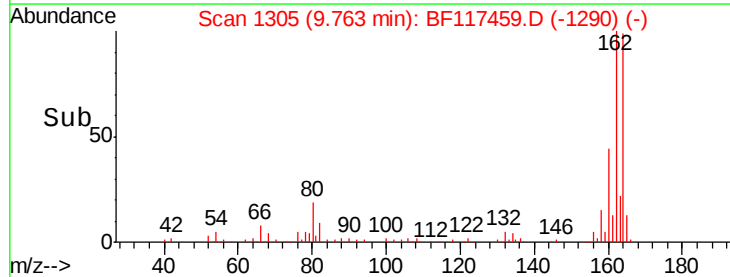
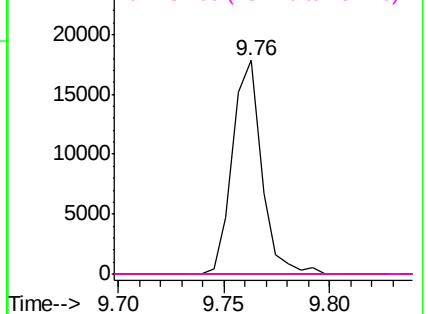


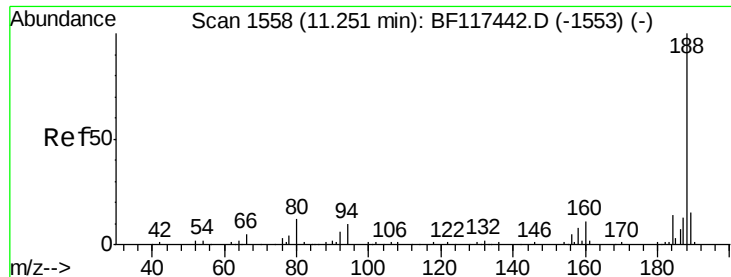
#57
 2,4-Dinitrotoluene
 Concen: 6.565 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117459.D
 Acq: 21 Oct 2019 20:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	0.0	69.9	104.9#
182	0.0	1.9	2.9#



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

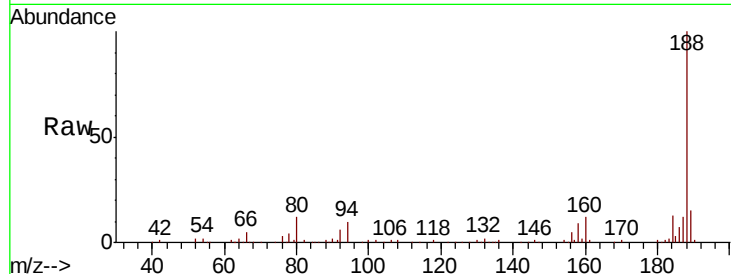




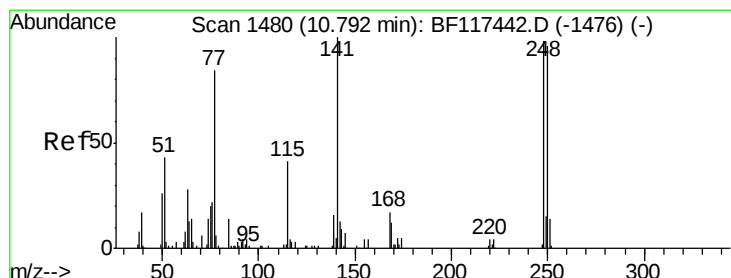
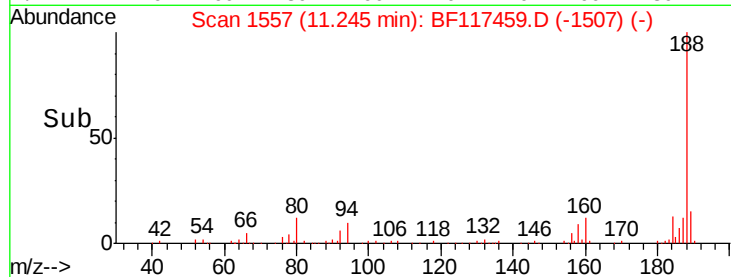
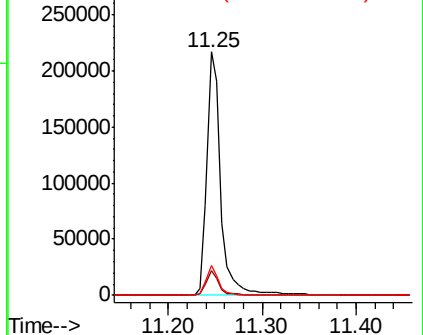
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117459.D
 Acq: 21 Oct 2019 20:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 226184
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.0 12.0
 80 12.2 9.5 14.3

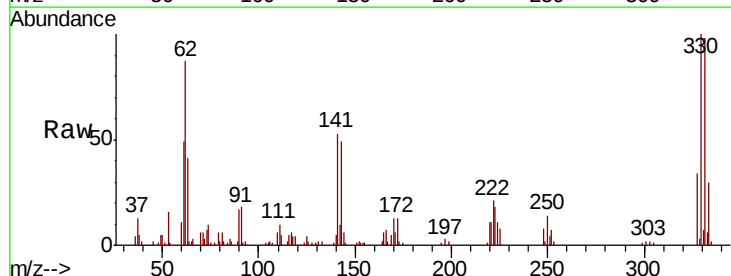


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

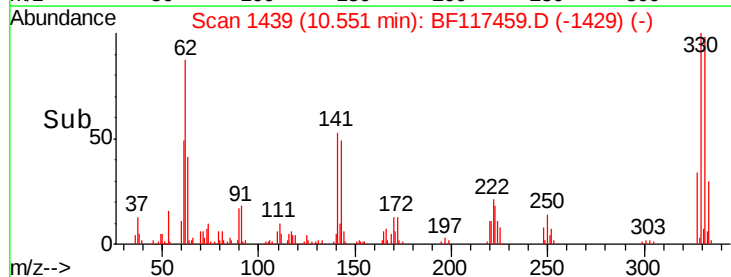
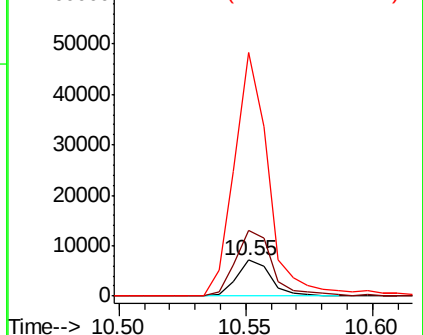


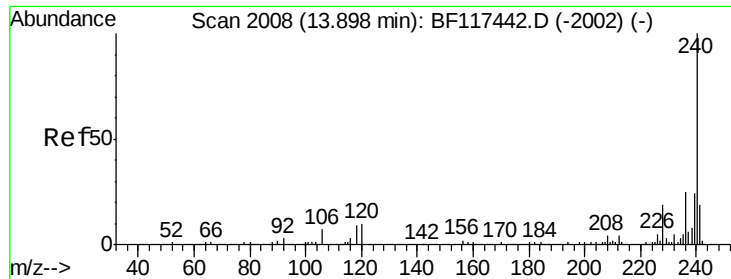
#67
 4-Bromophenyl-phenylether
 Concen: 2.743 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF117459.D
 Acq: 21 Oct 2019 20:41

Tgt Ion:248 Resp: 6682
 Ion Ratio Lower Upper
 248 100
 250 182.0 78.0 117.0#
 141 680.4 81.7 122.5#



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

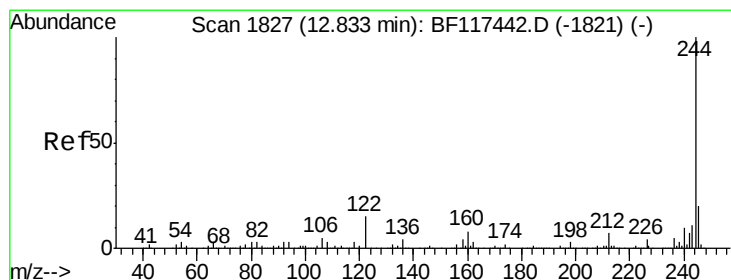
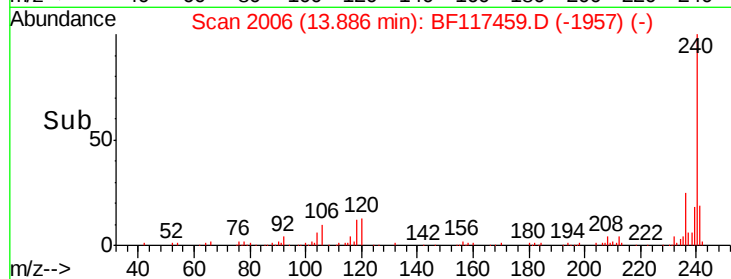
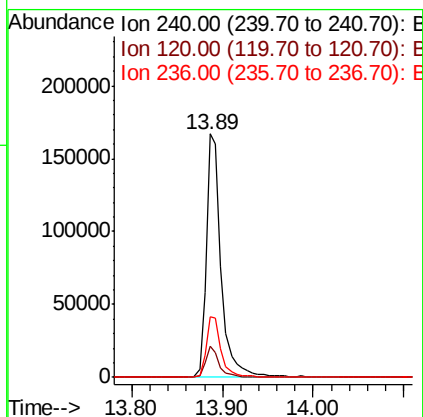
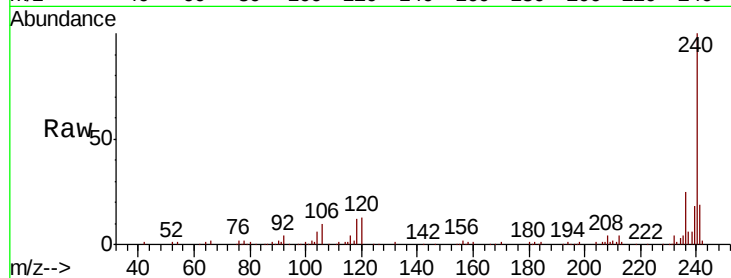




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF117459.D
 Acq: 21 Oct 2019 20:41

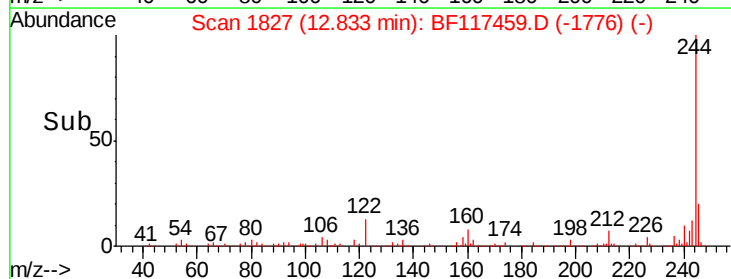
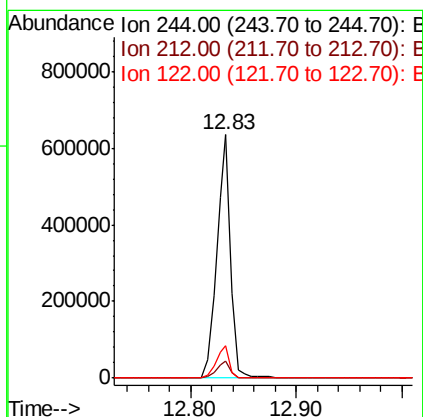
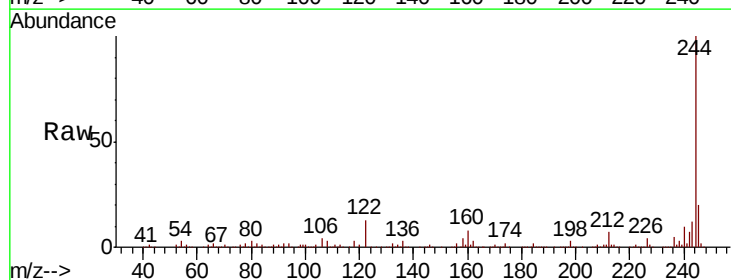
Instrument :
 BNA_F
 ClientSampleId :

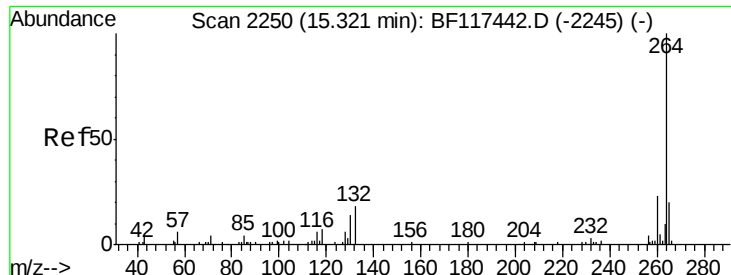
Tot Ion:240 Resp: 193204
 Ion Ratio Lower Upper
 240 100
 120 13.0 8.4 12.6#
 236 25.1 20.0 30.0



#79
 Terphenyl-d14
 Concen: 49.284 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF117459.D
 Acq: 21 Oct 2019 20:41

Tgt Ion:244 Resp: 583762
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 13.2 11.8 17.8





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.00 min
Lab File: BF117459.D
Acq: 21 Oct 2019 20:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	20.6	16.1	24.1

