

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117084.D
 Acq On : 17 Sep 2019 1:58
 Operator : HP/JU
 Sample : K4862-12
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:18:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

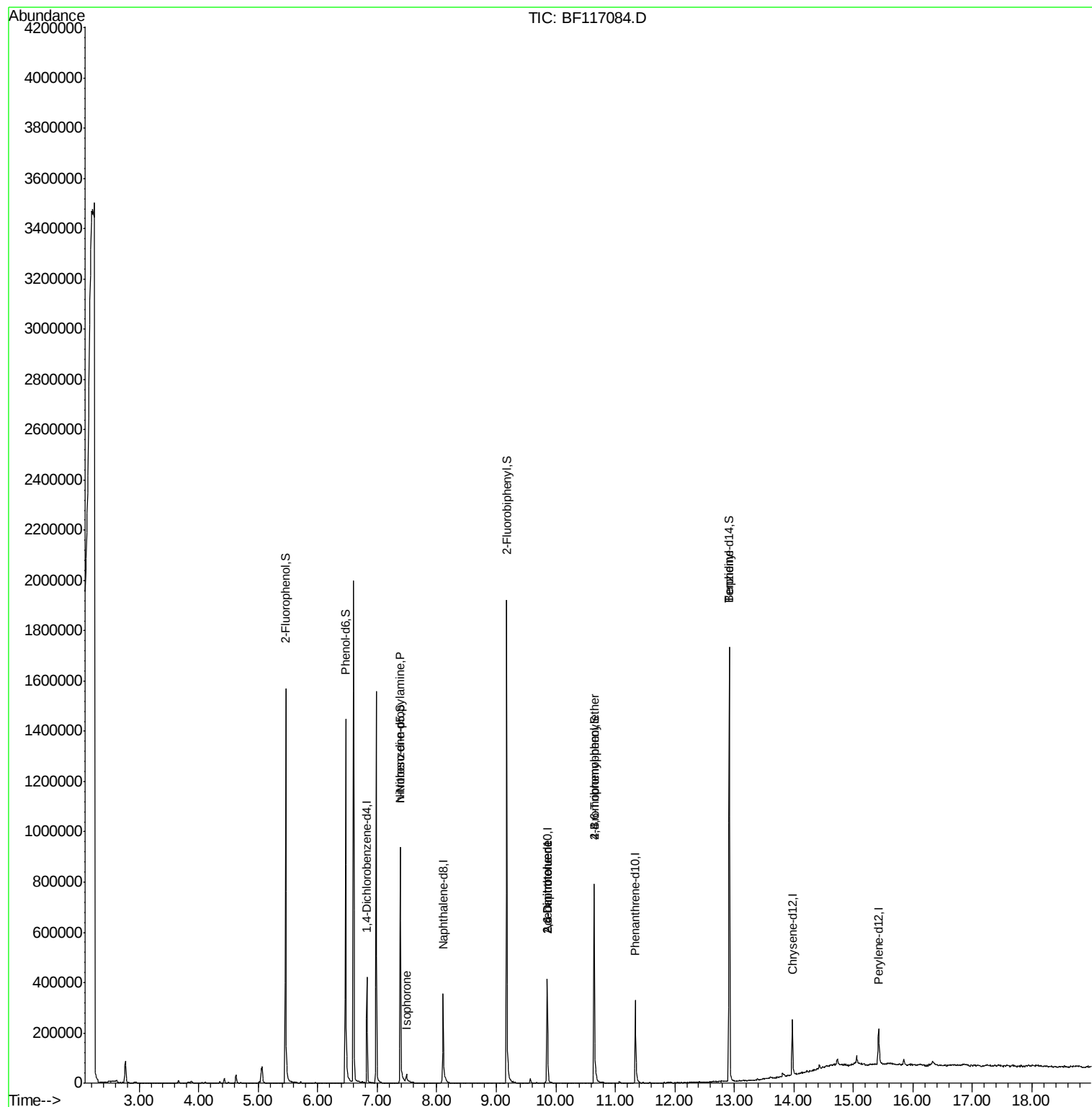
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	60224	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	223064	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	101927	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	152444	20.00	ng	0.00
76) Chrysene-d12	13.97	240	82340	20.00	ng	0.00
87) Perylene-d12	15.42	264	65206	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	448237	116.20	ng	0.02
7) Phenol-d6	6.47	99	528879	106.09	ng	0.01
23) Nitrobenzene-d5	7.39	82	358638	84.48	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	111336	130.70	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	660284	101.29	ng	0.00
79) Terphenyl-d14	12.92	244	549082	124.65	ng	0.00
Target Compounds						
9) Benzaldehyde	6.47	77	573	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.39	70	46543	15.332 ng	#	79
25) Isophorone	7.49	82	24604	3.273 ng	#	72
51) 2,6-Dinitrotoluene	9.86	165	12652	8.608 ng	#	24
57) 2,4-Dinitrotoluene	9.86	165	12652	6.631 ng	#	18
67) 4-Bromophenyl-phenylether	10.65	248	6905	4.435 ng	#	1
77) Benizidine	12.92	184	7914	2.984 ng	#	93

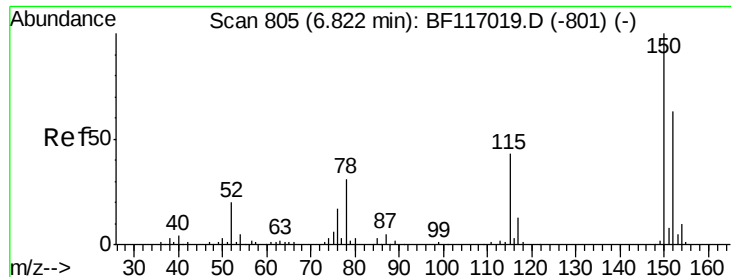
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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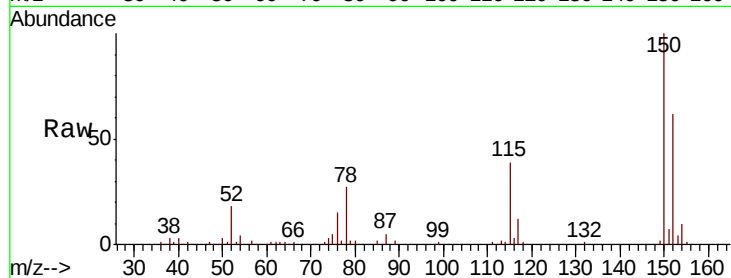


#1

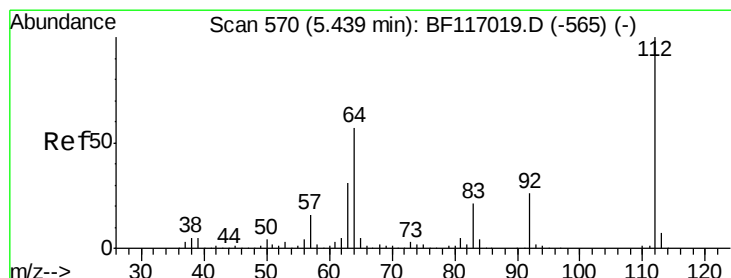
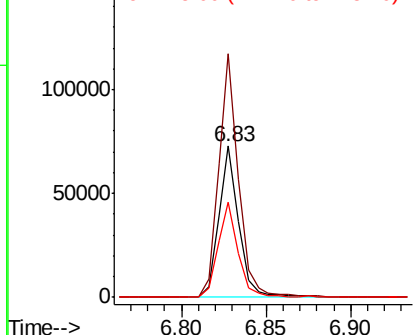
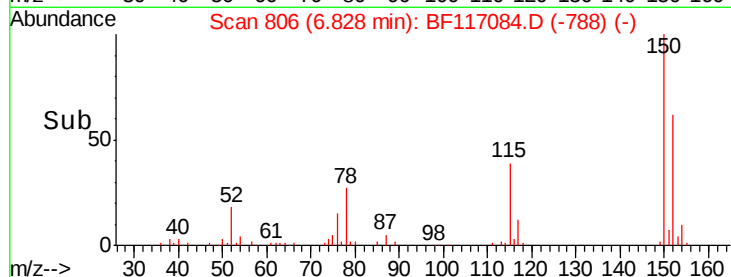
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117084.D
Acq: 17 Sep 2019 1:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 60224
Ion Ratio Lower Upper
152 100
150 161.0 127.5 191.3
115 63.2 55.0 82.4



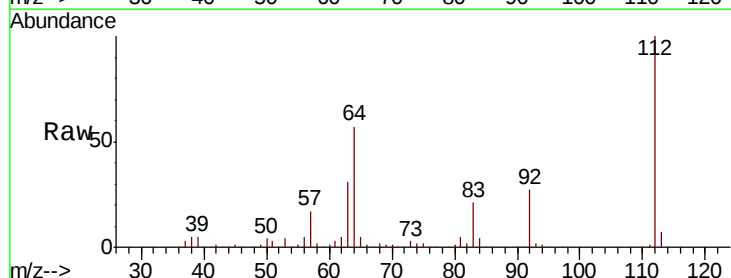
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



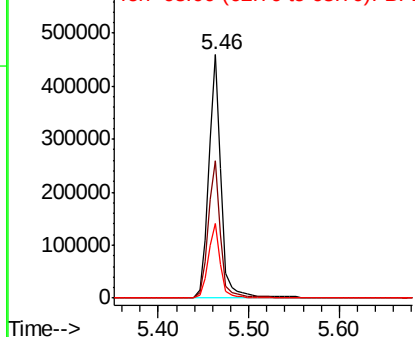
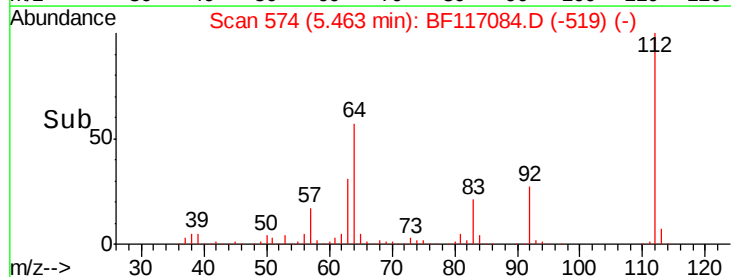
#5

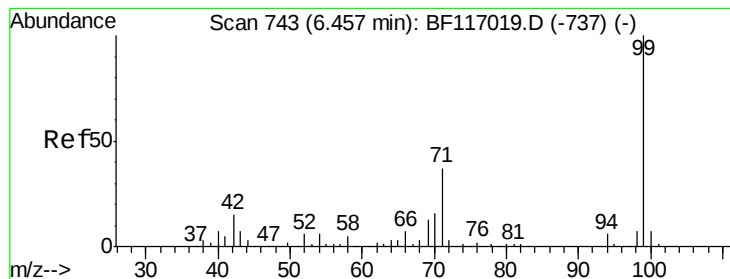
2-Fluorophenol
Concen: 116.201 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.02 min
Lab File: BF117084.D
Acq: 17 Sep 2019 1:58

Tgt Ion:112 Resp: 448237
Ion Ratio Lower Upper
112 100
64 56.5 45.7 68.5
63 30.7 24.9 37.3



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: 106.090 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117084.D

Acq: 17 Sep 2019 1:58

Instrument :

BNA_F

ClientSampleId :

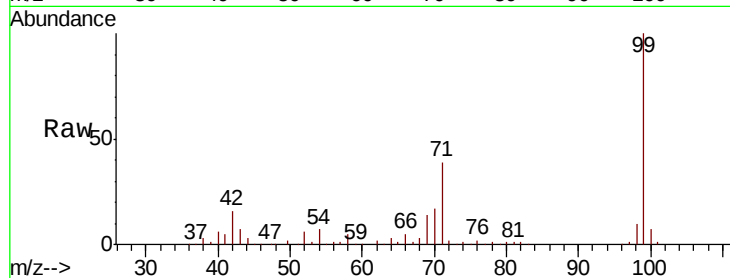
Tot Ion: 99 Resp: 528879

Ion Ratio Lower Upper

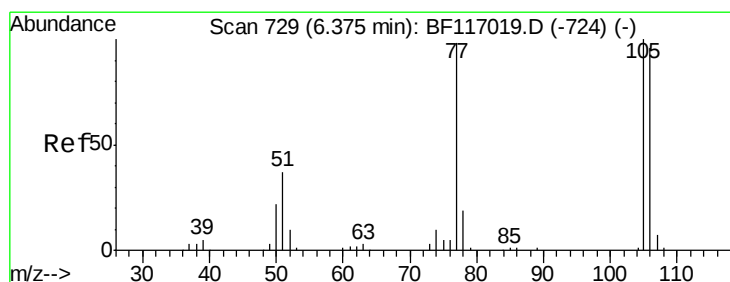
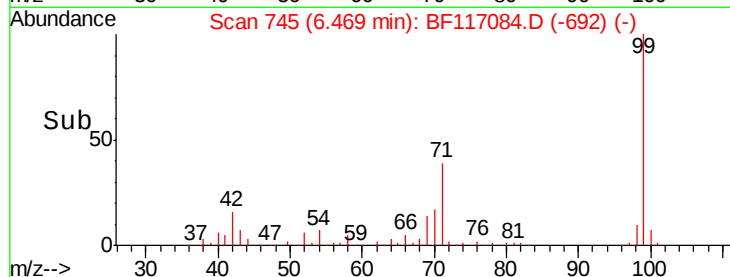
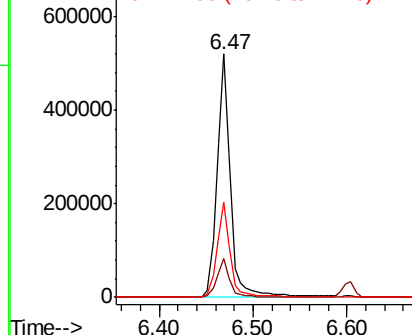
99 100

42 16.0 12.2 18.2

71 39.2 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.47 min Scan# 745

Delta R.T. 0.09 min

Lab File: BF117084.D

Acq: 17 Sep 2019 1:58

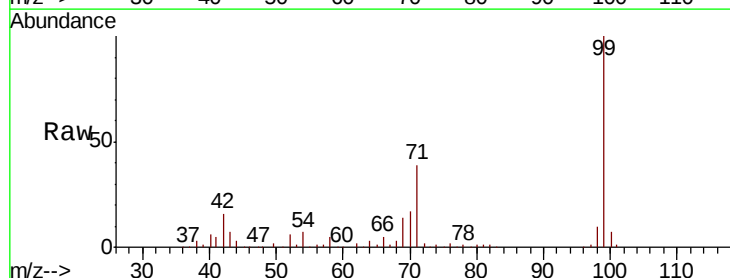
Tgt Ion: 77 Resp: 573

Ion Ratio Lower Upper

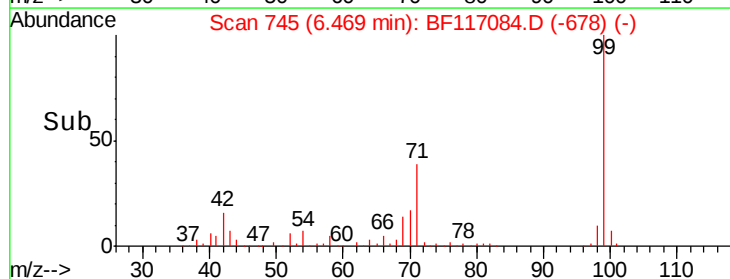
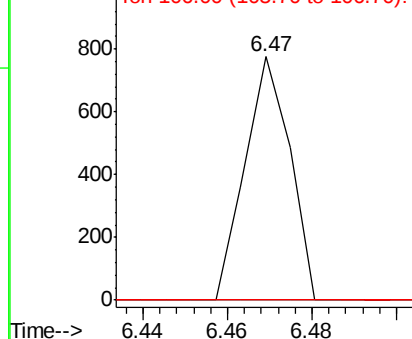
77 100

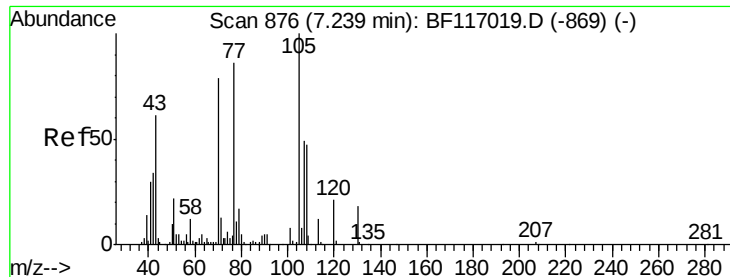
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

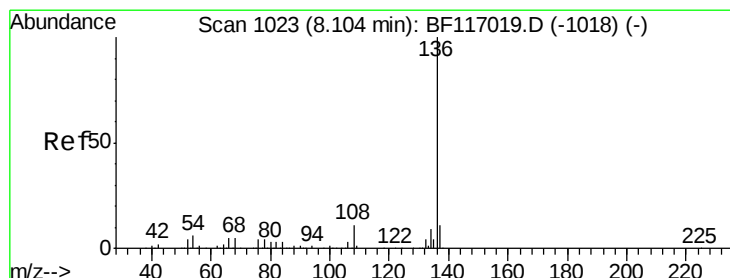
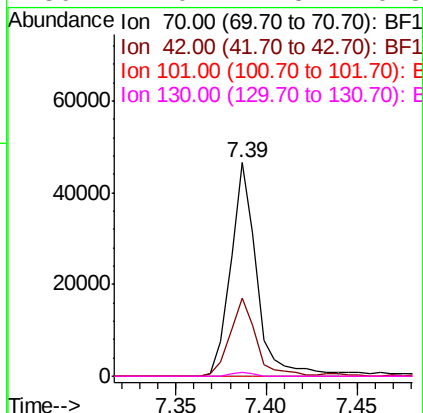
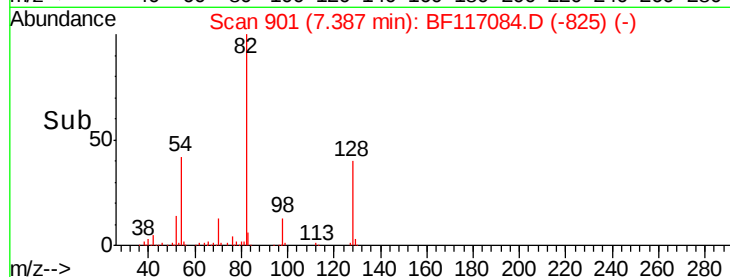
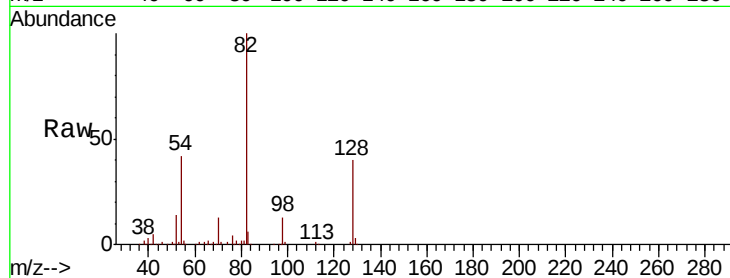




#19
n-Nitroso-di-n-propylamine
Concen: 15.332 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117084.D
Acq: 17 Sep 2019 1:58

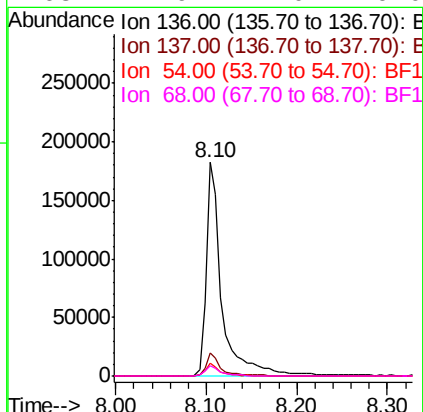
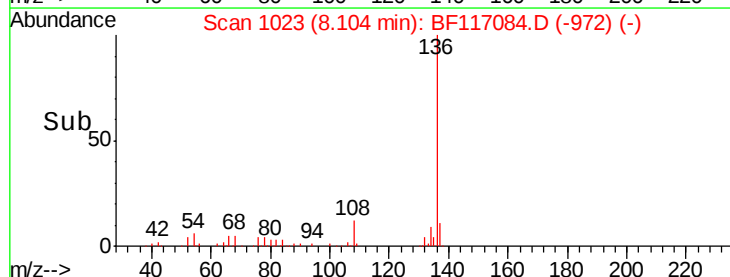
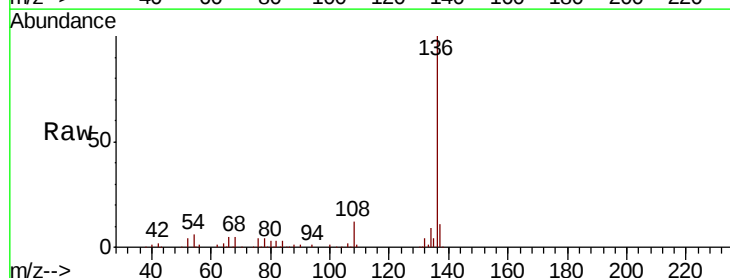
Instrument :
BNA_F
ClientSampleId :

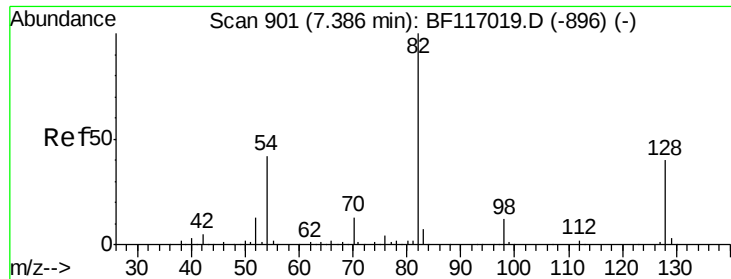
Tot Ion: 70 Resp: 46543
Ion Ratio Lower Upper
70 100
42 36.6 34.0 51.0
101 0.0 7.8 11.6#
130 2.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117084.D
Acq: 17 Sep 2019 1:58

Tgt Ion: 136 Resp: 223064
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 5.7 4.5 6.7
68 4.9 4.0 6.0

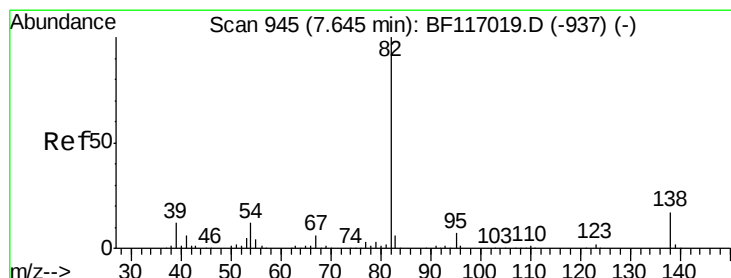
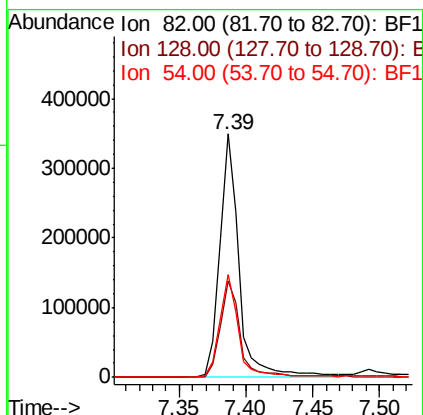
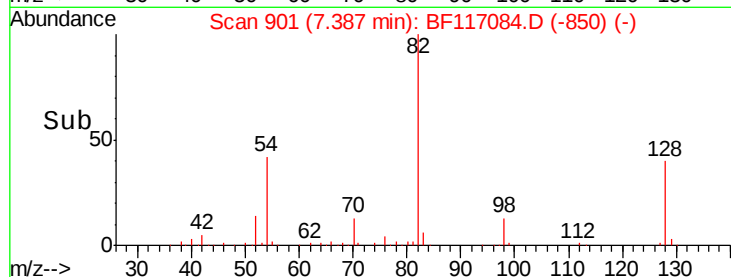
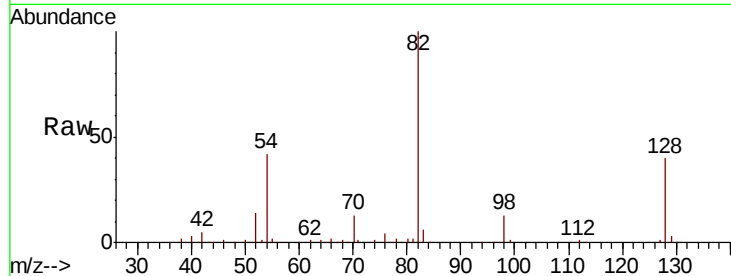




#23
Nitrobenzene-d5
Concen: 84.477 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117084.D
Acq: 17 Sep 2019 1:58

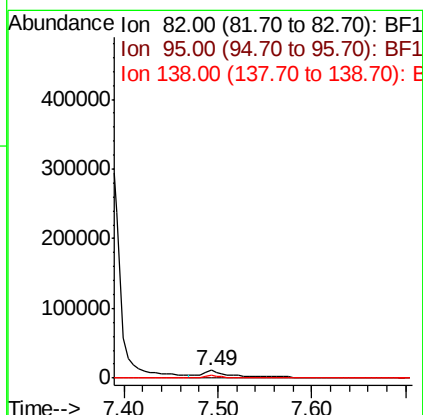
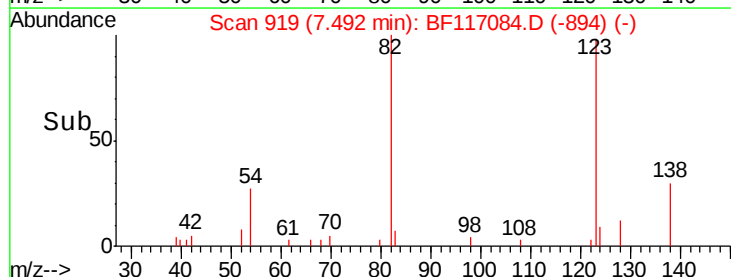
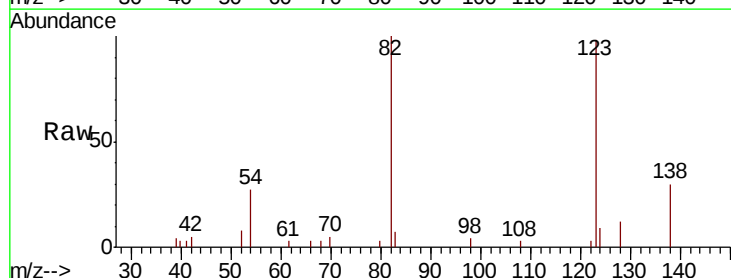
Instrument :
BNA_F
ClientSampled :

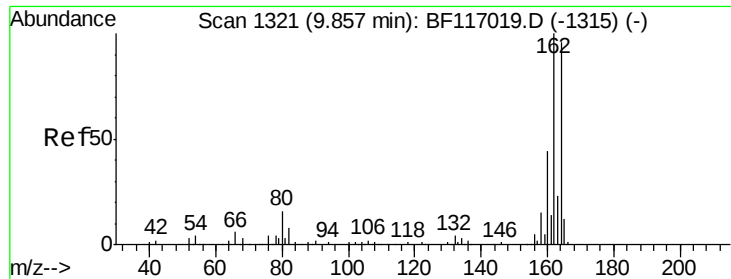
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.3	48.5
54	42.0	33.3	49.9



#25
Isophorone
Concen: 3.273 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.15 min
Lab File: BF117084.D
Acq: 17 Sep 2019 1:58

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	30.3	13.5	20.3#

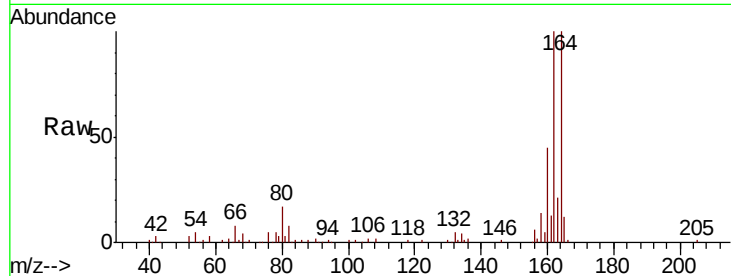




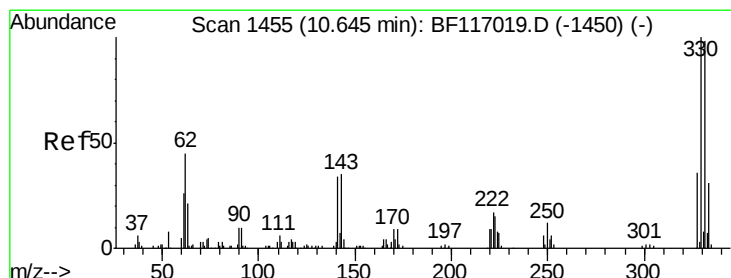
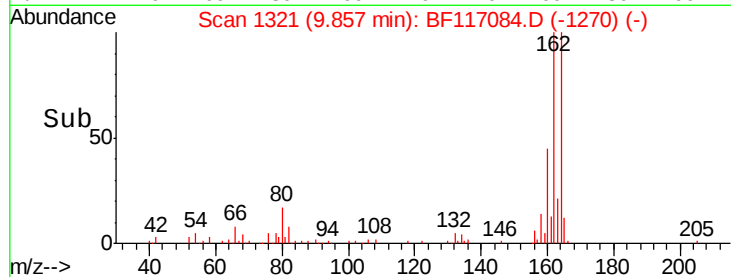
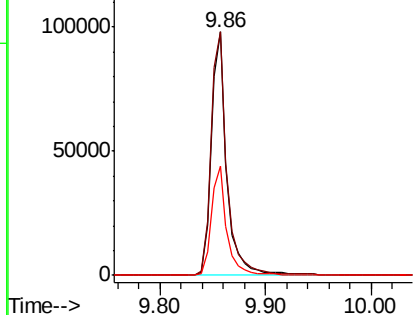
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: BF117084.D
 Acq: 17 Sep 2019 1:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.1	83.4	125.2
160	44.7	36.4	54.6

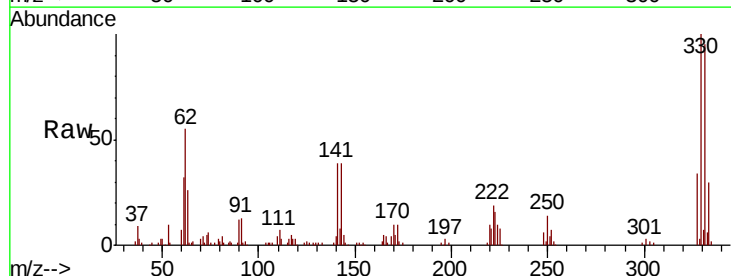


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

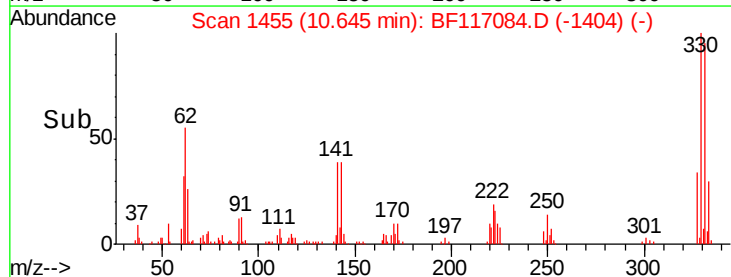
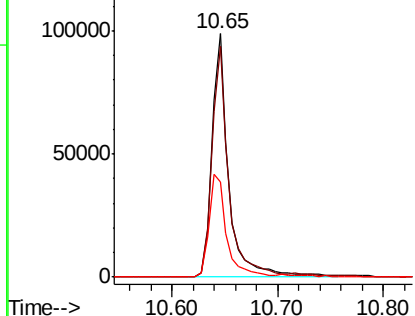


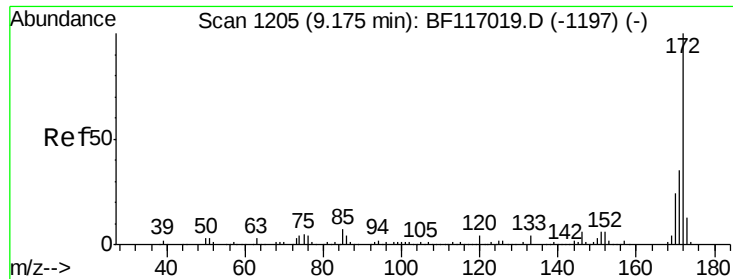
#42
 2,4,6-Tribromophenol
 Concen: 130.695 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF117084.D
 Acq: 17 Sep 2019 1:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.0	117.0
141	45.6	35.8	53.6



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

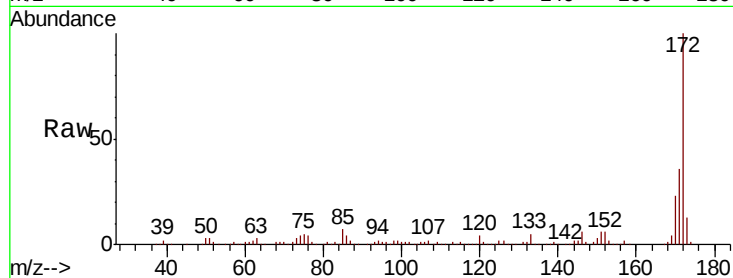




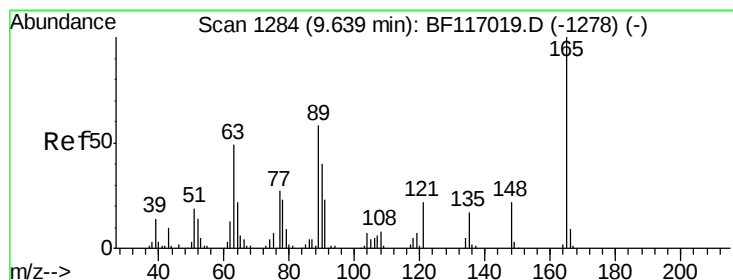
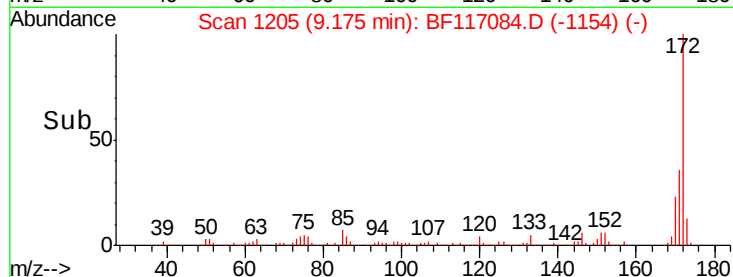
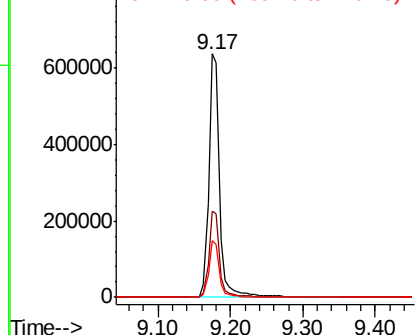
#45
 2-Fluorobiphenyl
 Concen: 101.289 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117084.D
 Acq: 17 Sep 2019 1:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 660284
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.2 42.2
 170 23.4 18.9 28.3

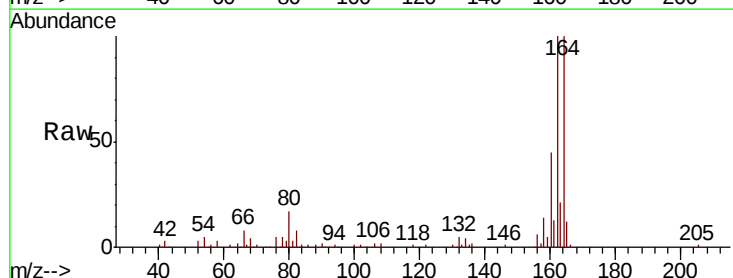


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

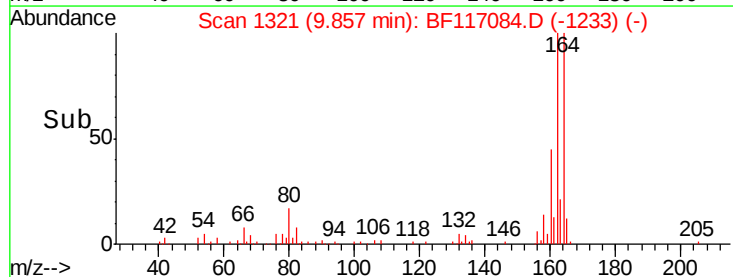
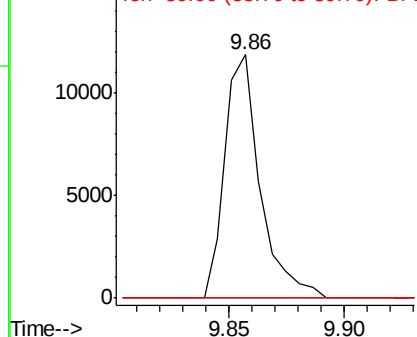


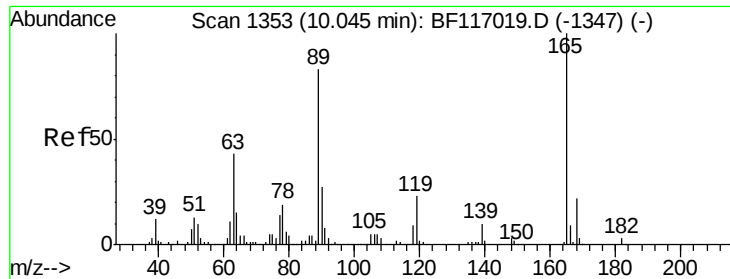
#51
 2,6-Dinitrotoluene
 Concen: 8.608 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.22 min
 Lab File: BF117084.D
 Acq: 17 Sep 2019 1:58

Tgt Ion:165 Resp: 12652
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.8 62.8#
 89 0.0 46.5 69.7#



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

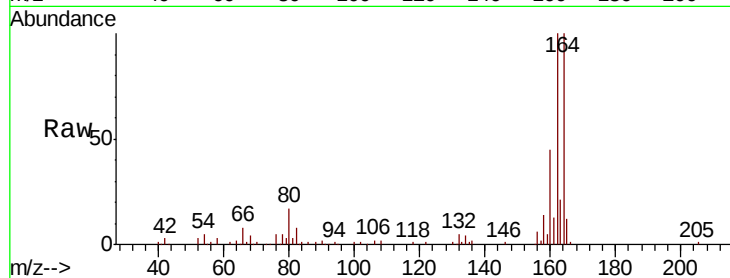




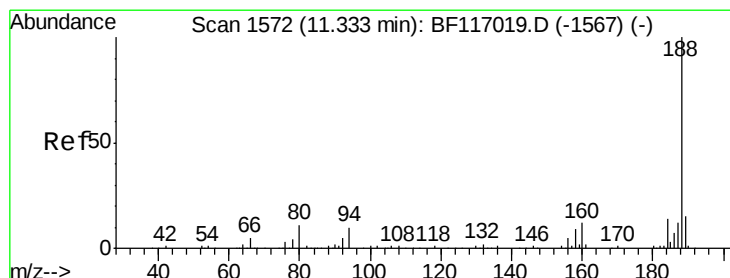
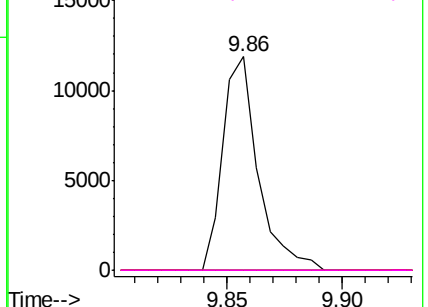
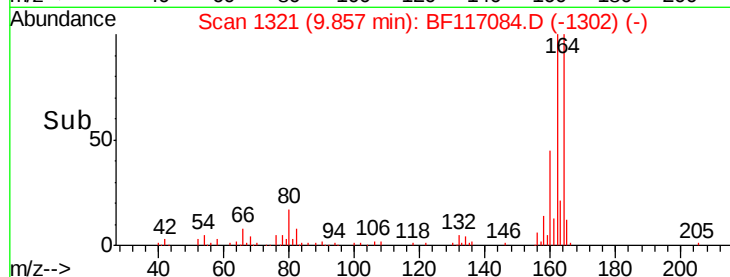
#57
 2,4-Dinitrotoluene
 Concen: 6.631 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.19 min
 Lab File: BF117084.D
 Acq: 17 Sep 2019 1:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 12652
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.4#
 89 0.0 66.1 99.1#
 182 0.0 2.0 3.0#

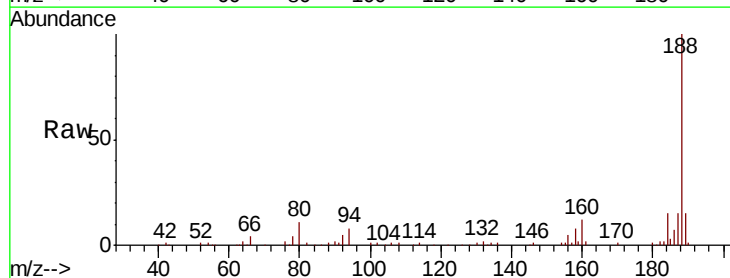


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

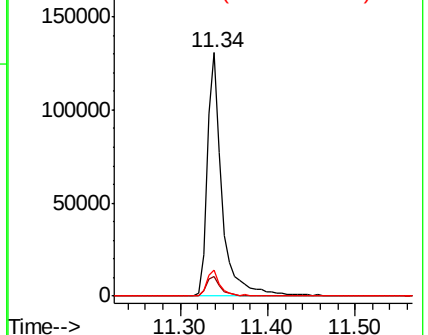
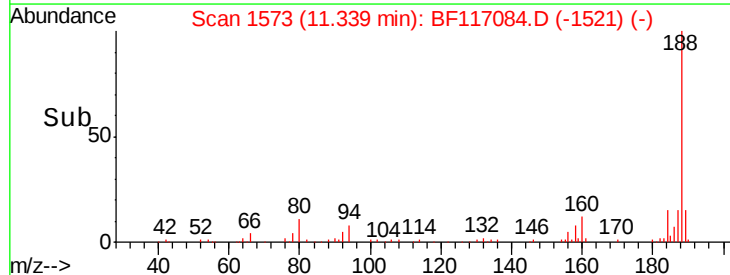


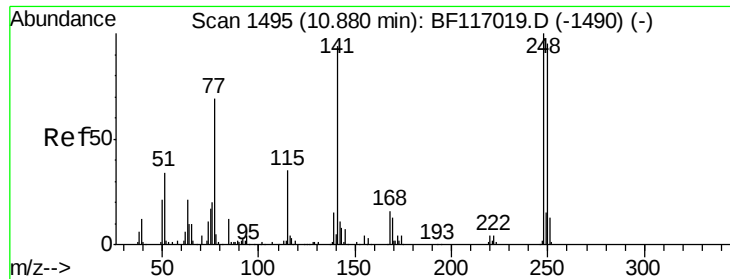
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF117084.D
 Acq: 17 Sep 2019 1:58

Tgt Ion:188 Resp: 152444
 Ion Ratio Lower Upper
 188 100
 94 8.0 8.2 12.2#
 80 10.7 9.0 13.6



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

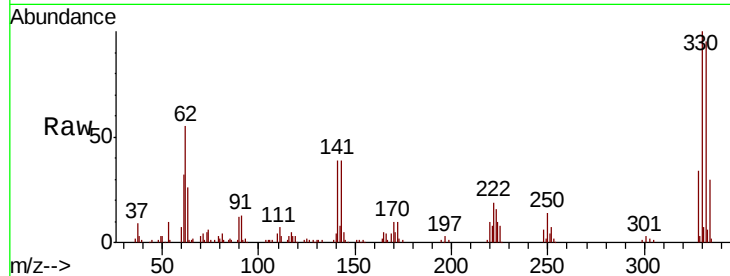




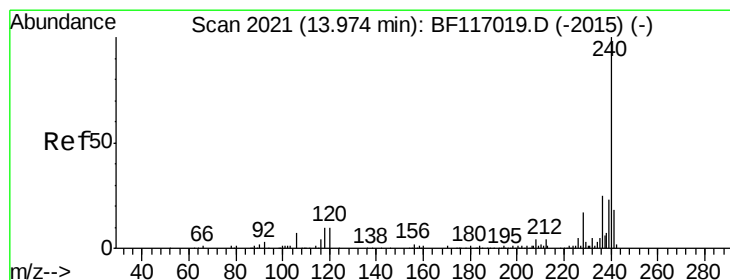
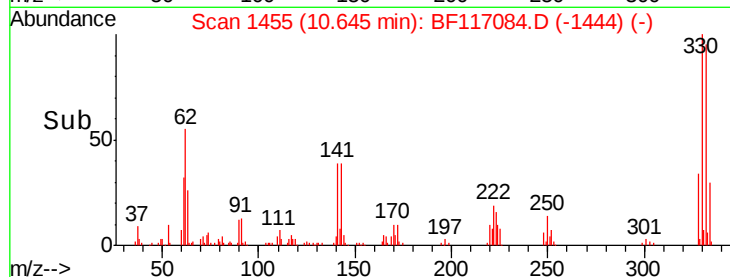
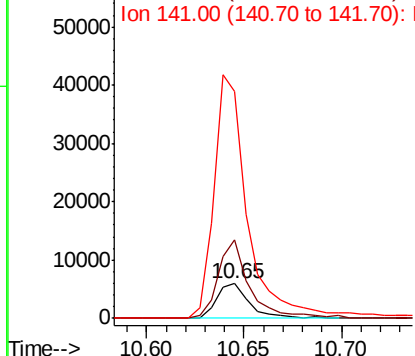
#67
4-Bromophenyl-phenylether
Concen: 4.435 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF117084.D
Acq: 17 Sep 2019 1:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6905
Ion Ratio Lower Upper
248 100
250 225.5 76.2 114.4#
141 653.1 75.0 112.4#

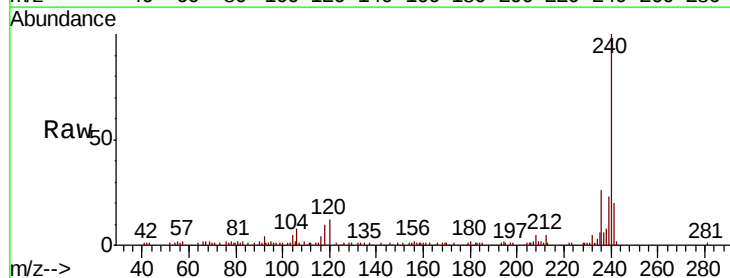


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

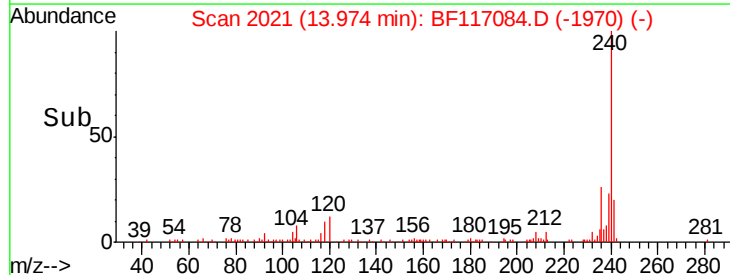
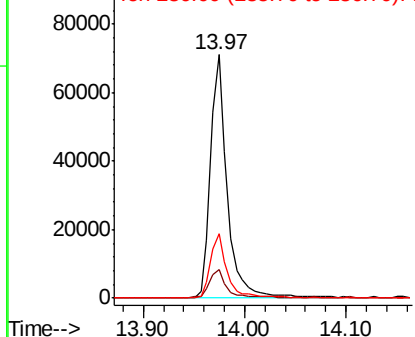


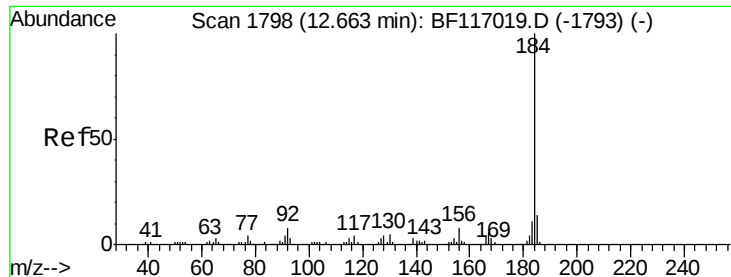
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117084.D
Acq: 17 Sep 2019 1:58

Tgt Ion:240 Resp: 82340
Ion Ratio Lower Upper
240 100
120 11.9 8.3 12.5
236 26.2 20.3 30.5



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: 2.984 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117084.D

Acq: 17 Sep 2019 1:58

Instrument :

BNA_F

ClientSampleId :

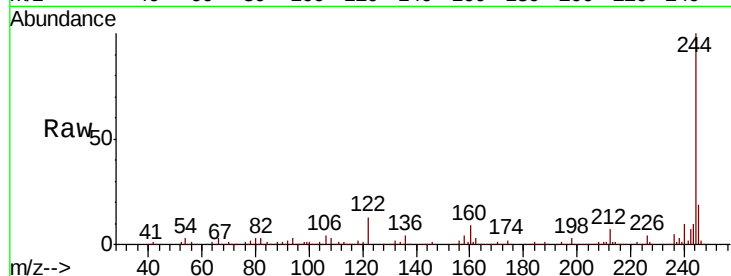
Tot Ion:184 Resp: 7914

Ion Ratio Lower Upper

184 100

185 17.9 11.6 17.4#

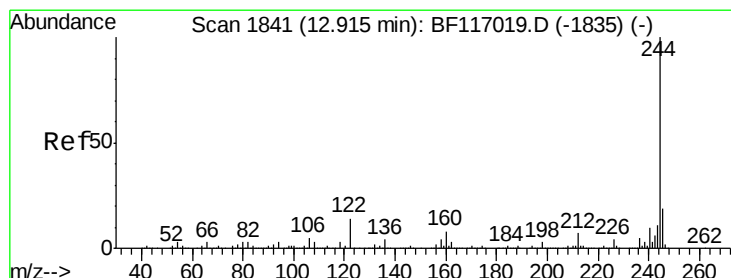
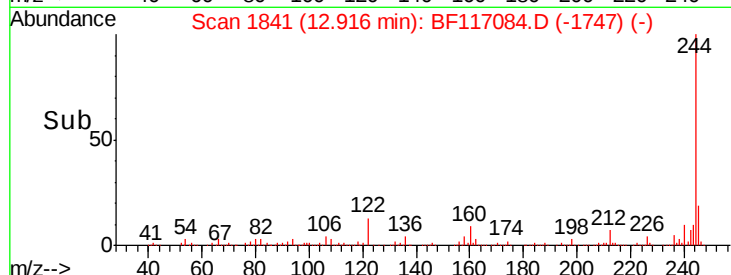
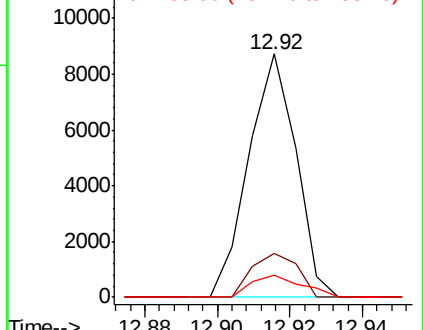
183 8.9 9.0 13.4#



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: 124.649 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117084.D

Acq: 17 Sep 2019 1:58

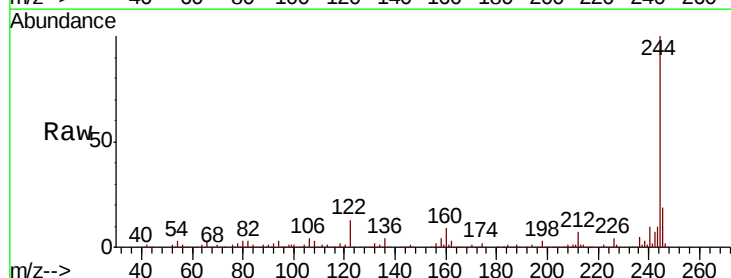
Tgt Ion:244 Resp: 549082

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

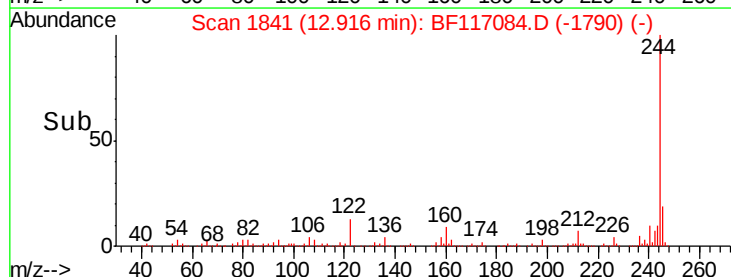
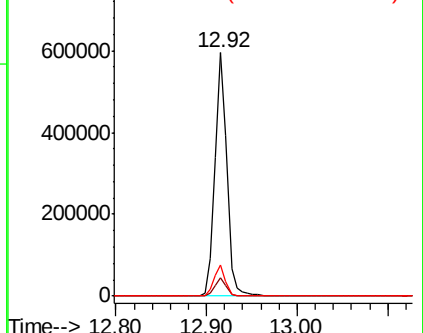
122 12.9 11.3 16.9

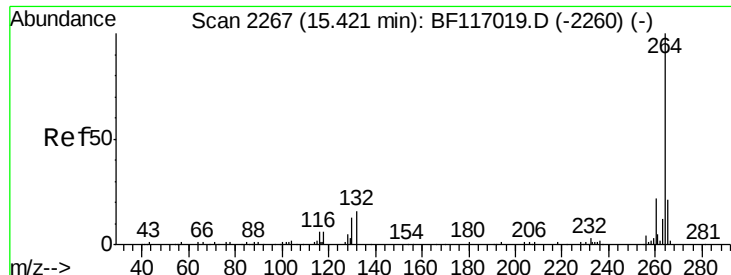


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

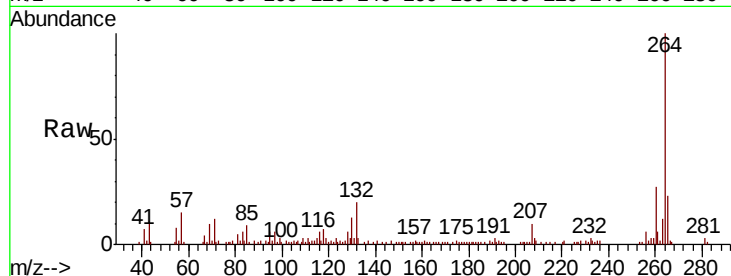




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. 0.00 min
 Lab File: BF117084.D
 Acq: 17 Sep 2019 1:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.6	17.6	26.4#
265	22.9	16.6	24.8



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

