

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
 Data File : BF117044.D
 Acq On : 14 Sep 2019 1:05
 Operator : HP/JU
 Sample : K4863-09 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 05:47:23 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

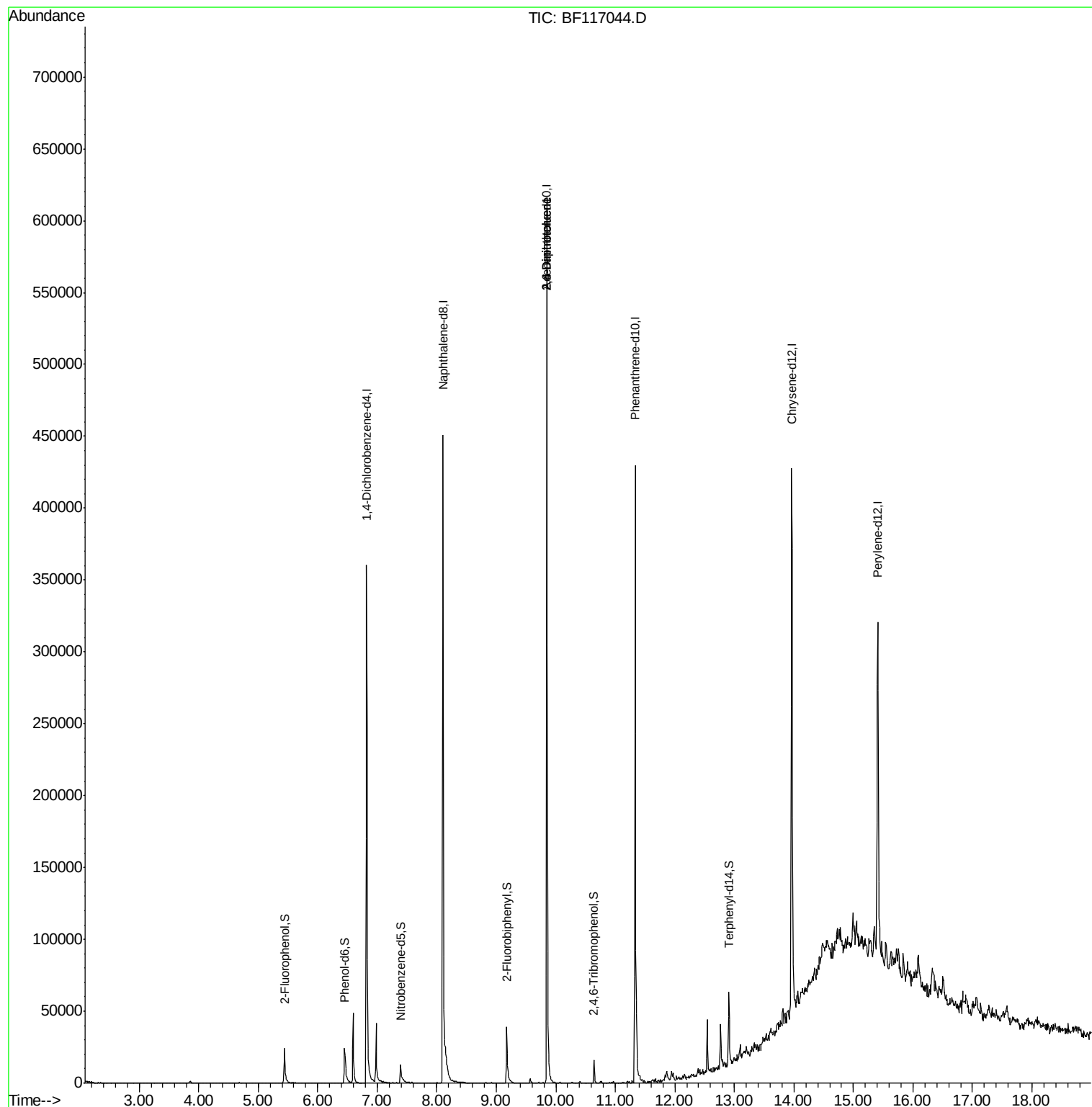
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	62359	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	278489	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	134419	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	182462	20.00	ng	0.00
76) Chrysene-d12	13.96	240	130172	20.00	ng	-0.01
87) Perylene-d12	15.41	264	105864	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	13431	3.36	ng	0.00
7) Phenol-d6	6.45	99	20599	3.99	ng	0.00
23) Nitrobenzene-d5	7.39	82	11530	2.18	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	3153	2.81	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	25575	2.97	ng	0.00
79) Terphenyl-d14	12.91	244	18829	2.70	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	121	Below Cal	Qvalue #	1
51) 2,6-Dinitrotoluene	9.85	165	16567	8.547 ng	#	26
57) 2,4-Dinitrotoluene	9.85	165	16567	6.584 ng	#	20

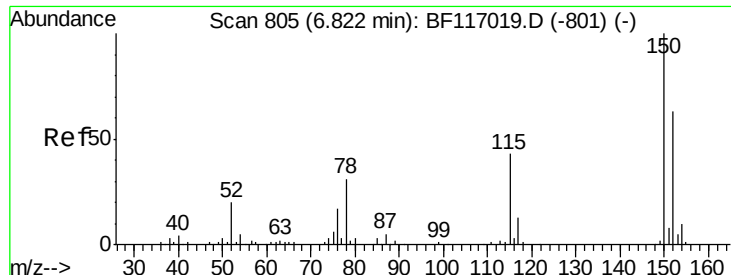
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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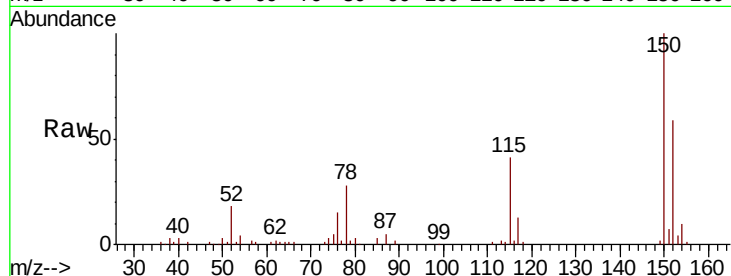


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117044.D
Acq: 14 Sep 2019 1:05

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	168.1	127.5	191.3
115	68.3	55.0	82.4

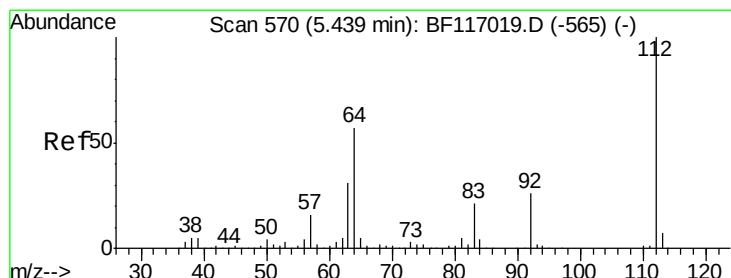
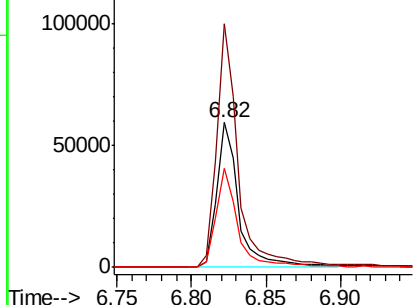
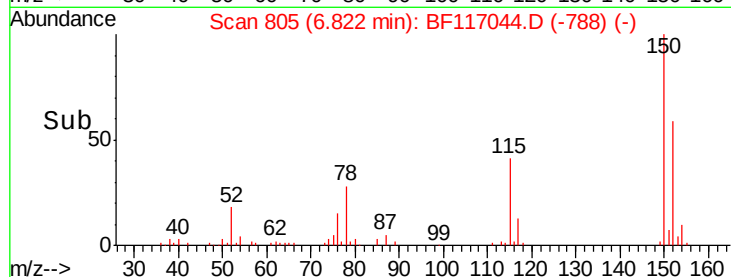


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

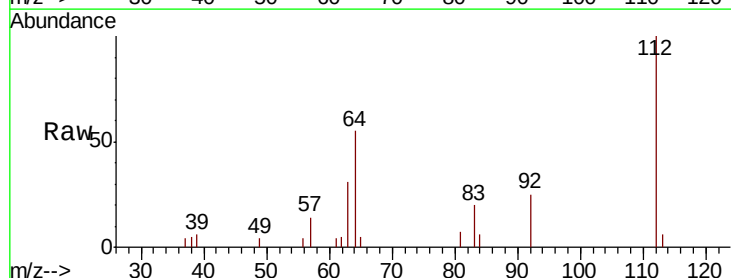
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 3.363 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF117044.D
Acq: 14 Sep 2019 1:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	45.7	68.5
63	31.5	24.9	37.3

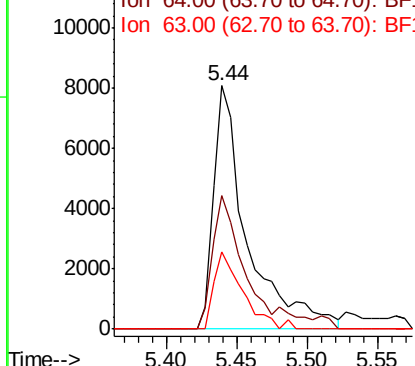
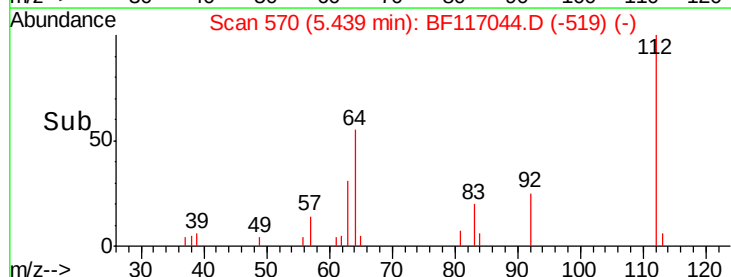


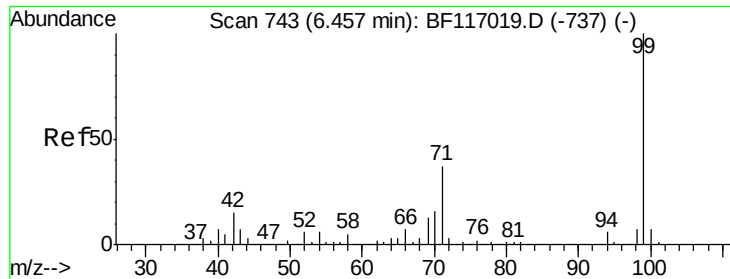
Abundance

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: 3.991 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117044.D

Acq: 14 Sep 2019 1:05

Instrument :

BNA_F

ClientSampled :

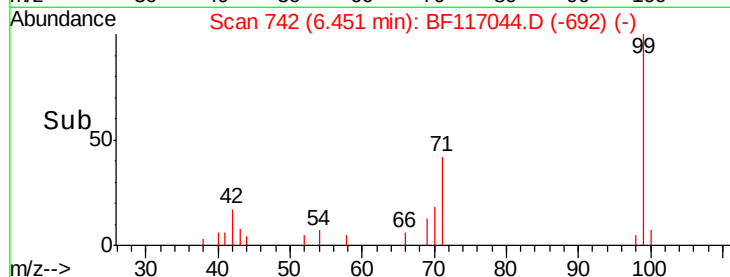
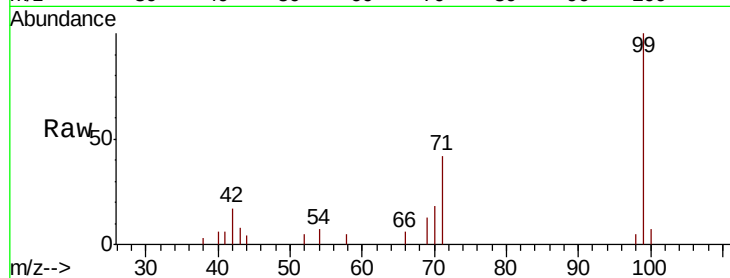
Tot Ion: 99 Resp: 20599

Ion Ratio Lower Upper

99 100

42 17.0 12.2 18.2

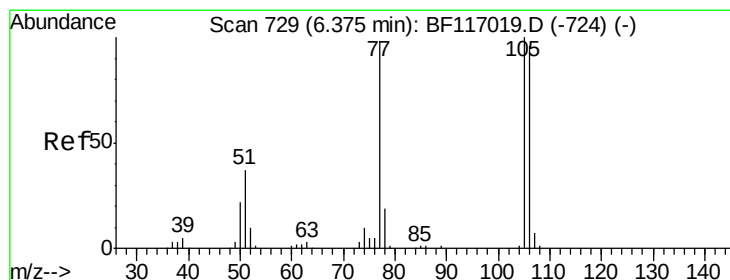
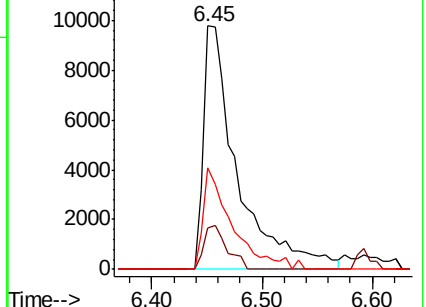
71 41.8 29.8 44.8



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: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF117044.D

Acq: 14 Sep 2019 1:05

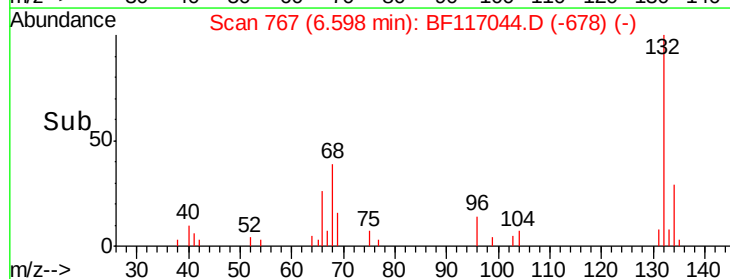
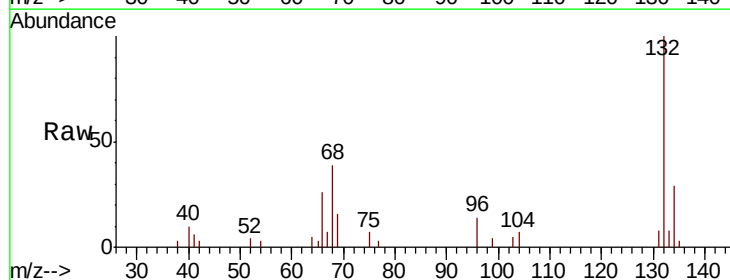
Tgt Ion: 77 Resp: 121

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

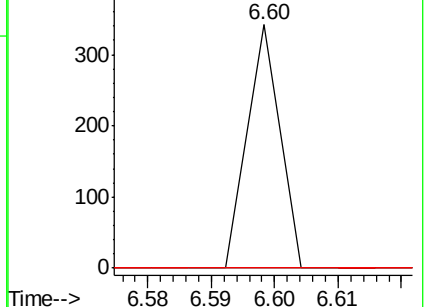
106 0.0 77.3 117.3#

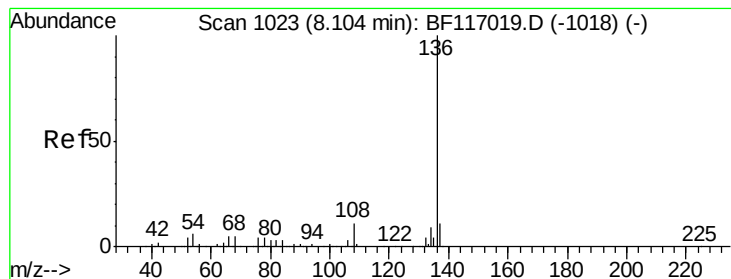


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF117044.D

Acq: 14 Sep 2019 1:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 278489

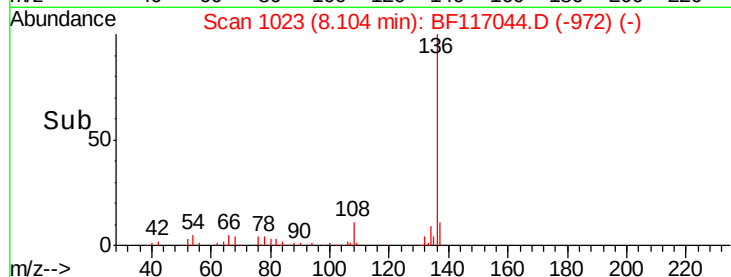
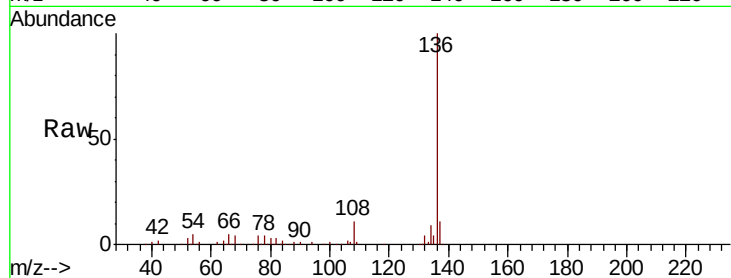
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 5.3 4.5 6.7

68 4.3 4.0 6.0

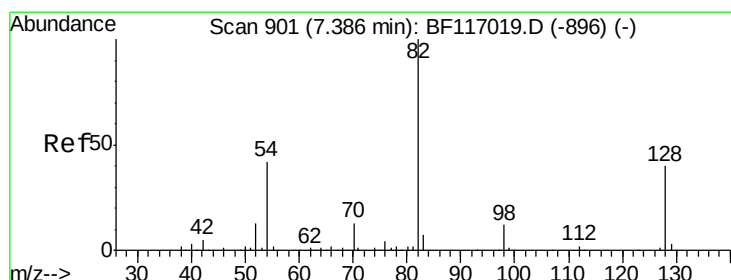
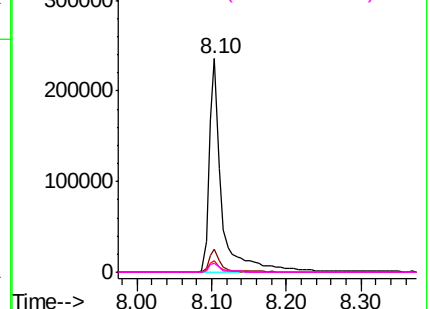


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.175 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.01 min

Lab File: BF117044.D

Acq: 14 Sep 2019 1:05

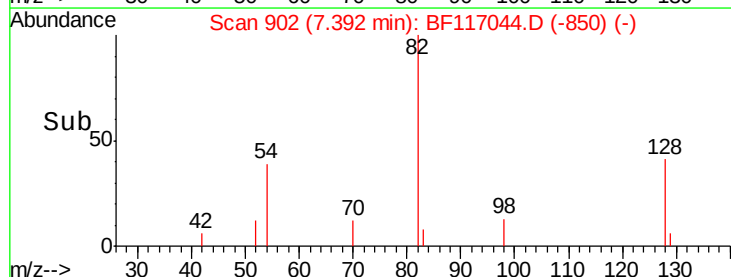
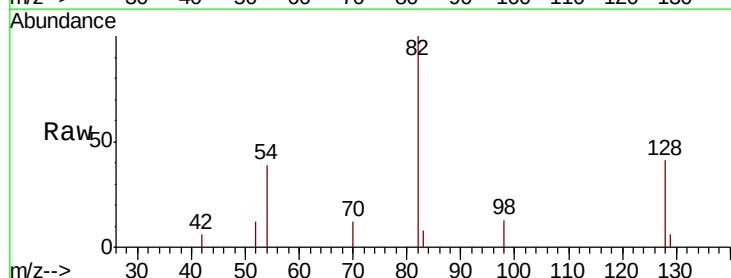
Tgt Ion: 82 Resp: 11530

Ion Ratio Lower Upper

82 100

128 41.3 32.3 48.5

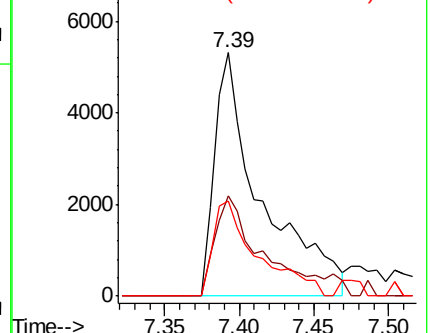
54 39.2 33.3 49.9

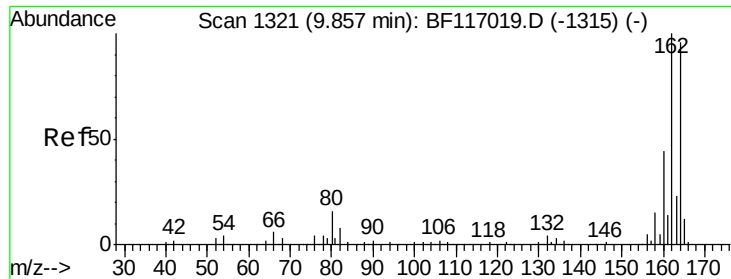


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117044.D

Acq: 14 Sep 2019 1:05

Instrument :

BNA_F

ClientSampleId :

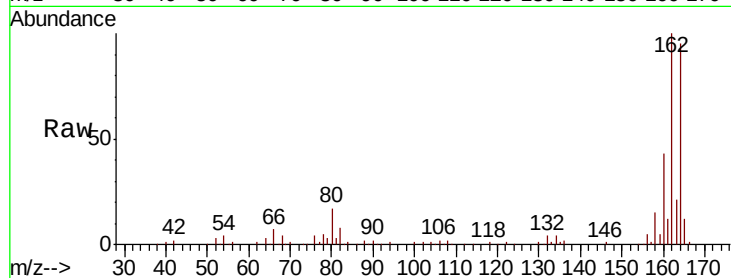
Tot Ion:164 Resp: 134419

Ion Ratio Lower Upper

164 100

162 104.8 83.4 125.2

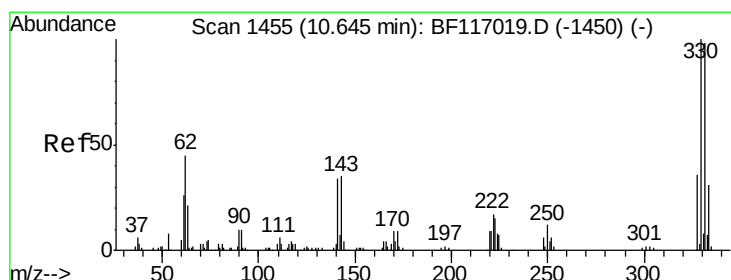
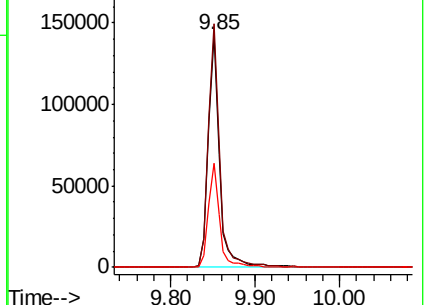
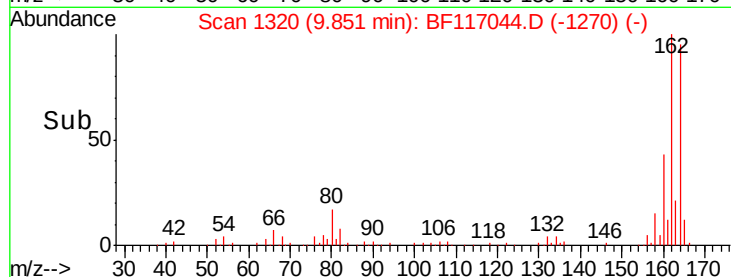
160 44.6 36.4 54.6



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: 2.807 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF117044.D

Acq: 14 Sep 2019 1:05

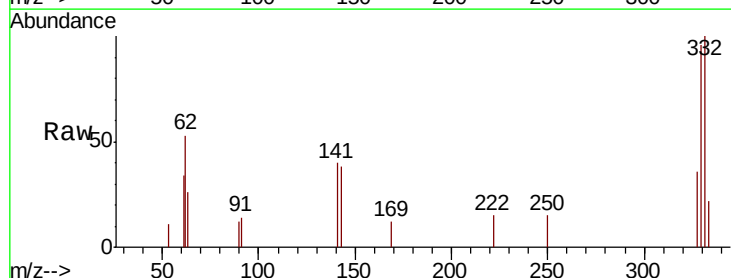
Tgt Ion:330 Resp: 3153

Ion Ratio Lower Upper

330 100

332 106.0 78.0 117.0

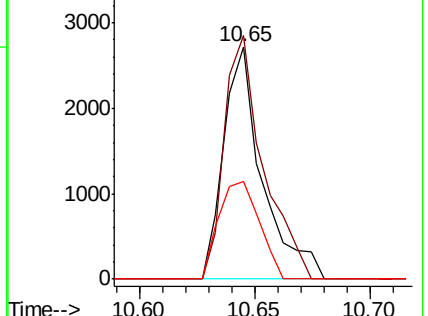
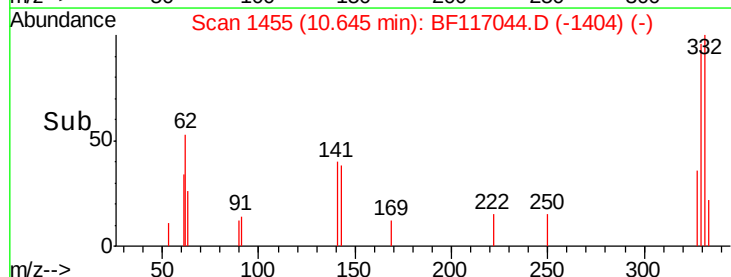
141 44.2 35.8 53.6

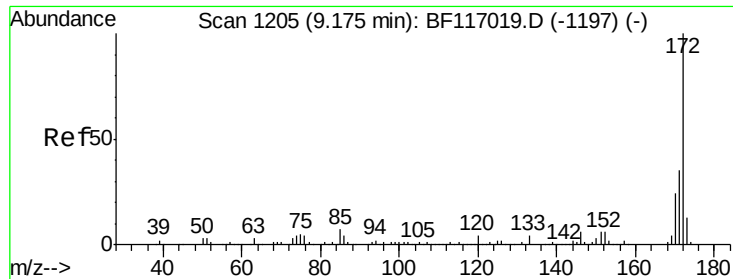


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

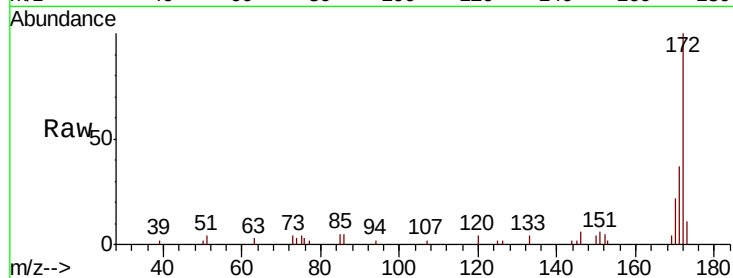




#45
2-Fluorobiphenyl
Concen: 2.975 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF117044.D
Acq: 14 Sep 2019 1:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.2	42.2
170	22.4	18.9	28.3

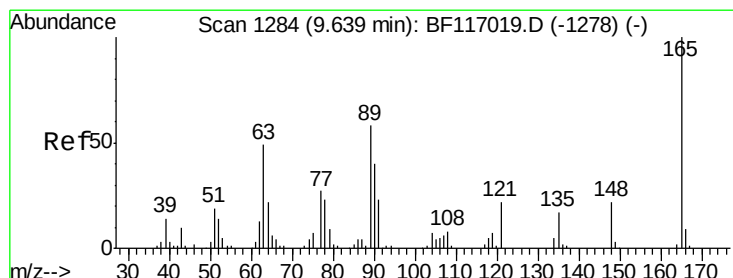
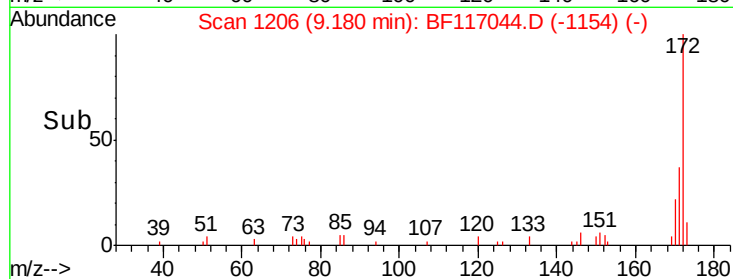
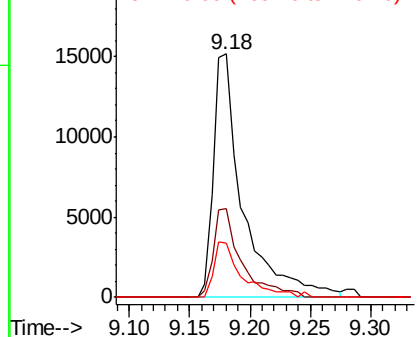


Abundance

Ion 172.00 (171.70 to 172.70): E

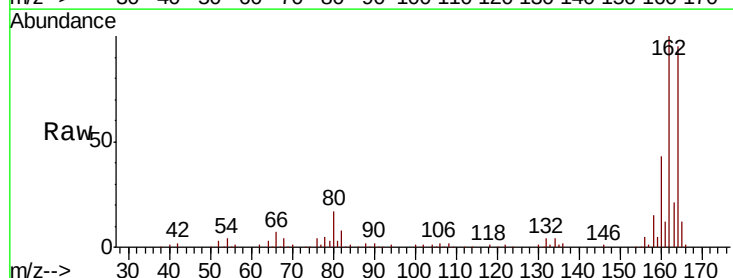
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
2,6-Dinitrotoluene
Concen: 8.547 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117044.D
Acq: 14 Sep 2019 1:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	2.7	46.5	69.7#

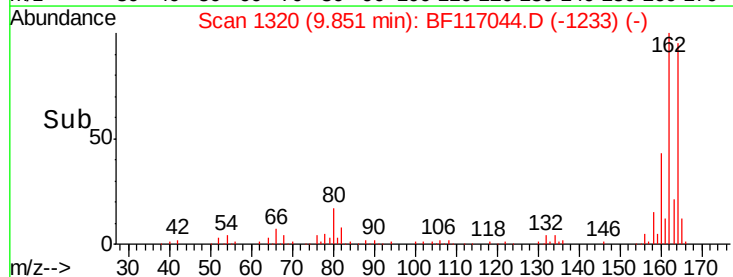
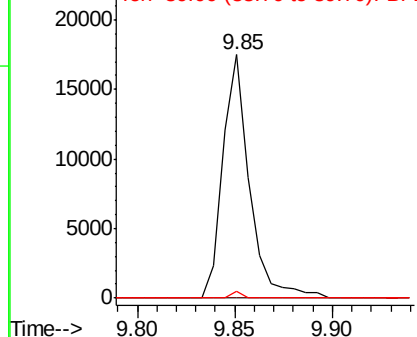


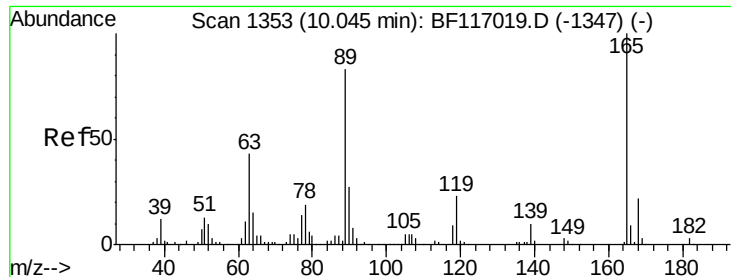
Abundance

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

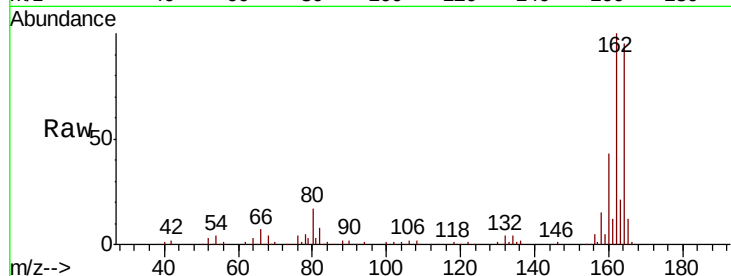




#57
 2,4-Dinitrotoluene
 Concen: 6.584 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117044.D
 Acq: 14 Sep 2019 1:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	2.7	66.1	99.1#
182	0.0	2.0	3.0#



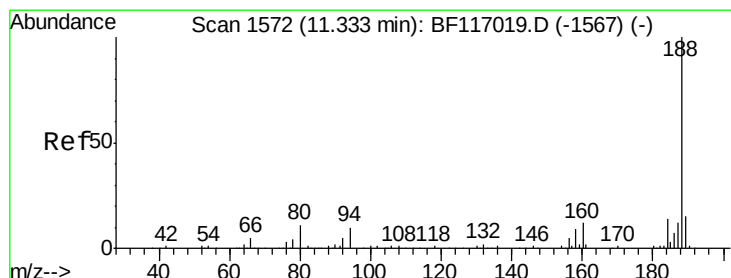
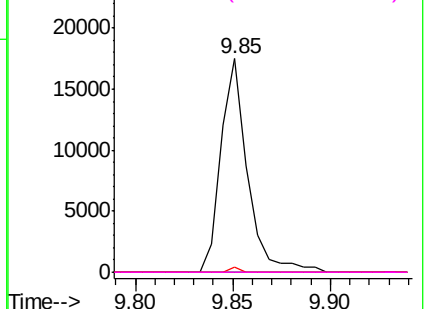
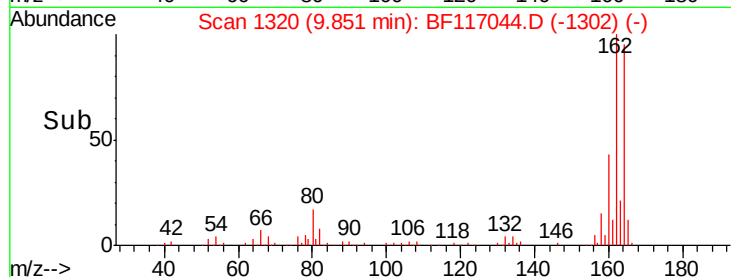
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

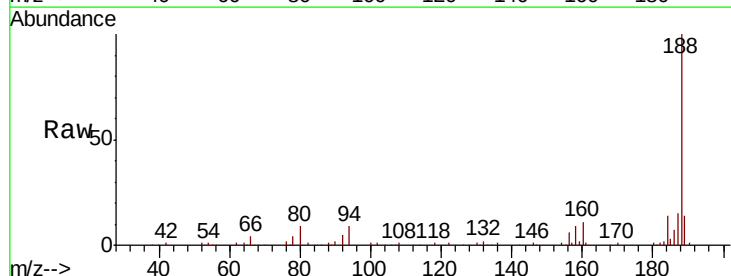
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117044.D
 Acq: 14 Sep 2019 1:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.2	12.2
80	9.3	9.0	13.6

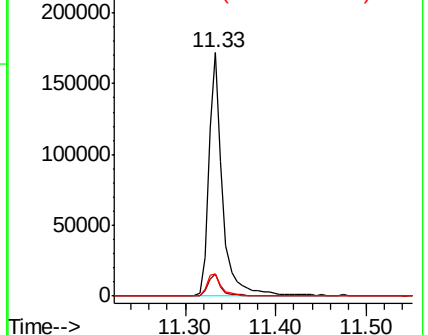
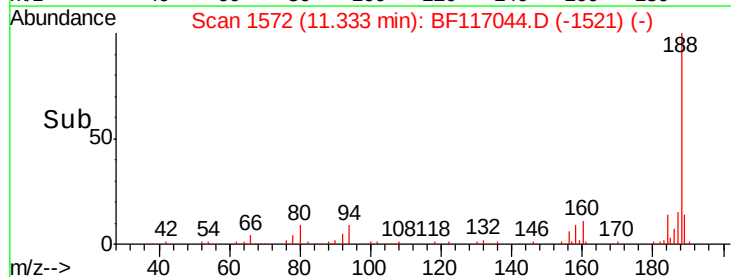


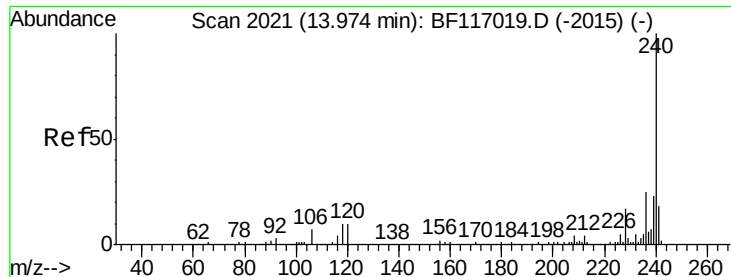
Abundance

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

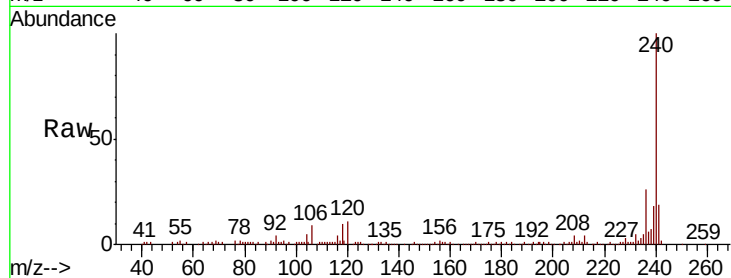




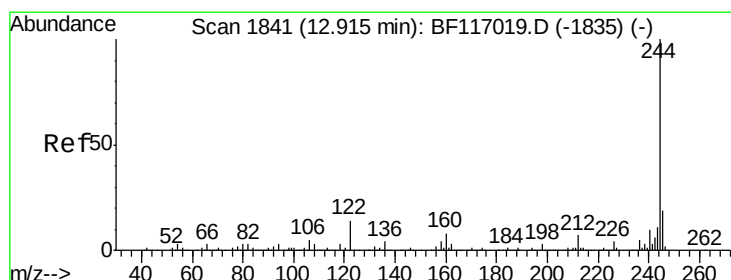
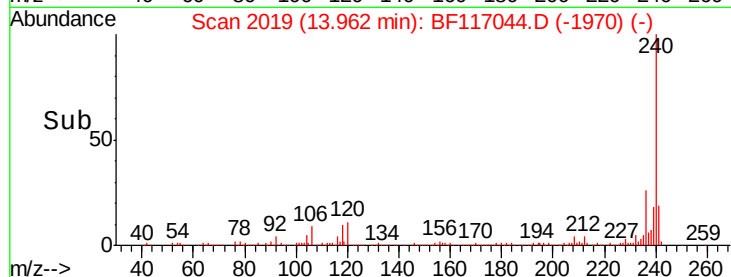
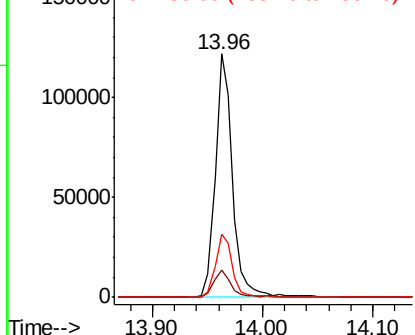
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117044.D
Acq: 14 Sep 2019 1:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 130172
Ion Ratio Lower Upper
240 100
120 11.2 8.3 12.5
236 25.8 20.3 30.5

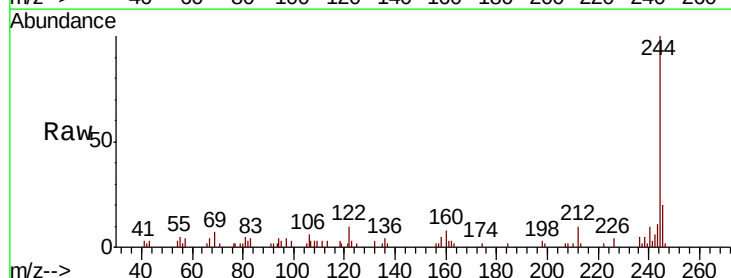


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

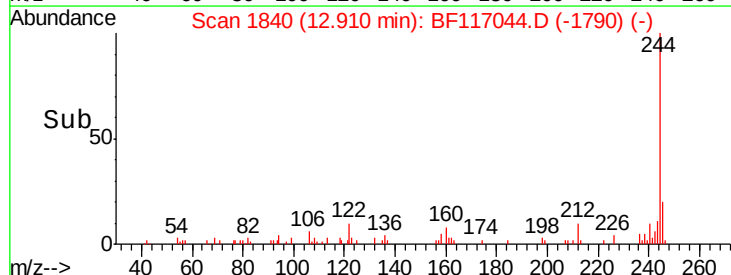
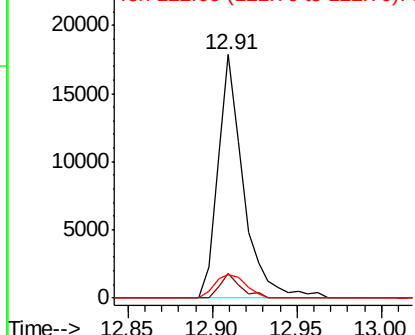


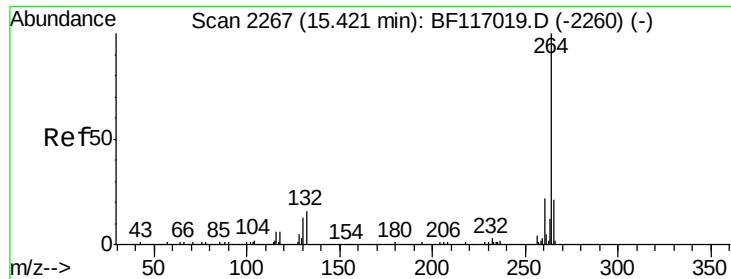
#79
Terphenyl-d14
Concen: 2.704 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117044.D
Acq: 14 Sep 2019 1:05

Tgt Ion:244 Resp: 18829
Ion Ratio Lower Upper
244 100
212 10.2 5.8 8.8#
122 9.8 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: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF117044.D
Acq: 14 Sep 2019 1:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.6	26.4
265	20.5	16.6	24.8

