

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117067.D
 Acq On : 16 Sep 2019 17:05
 Operator : HP/JU
 Sample : K4661-04 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:13:53 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

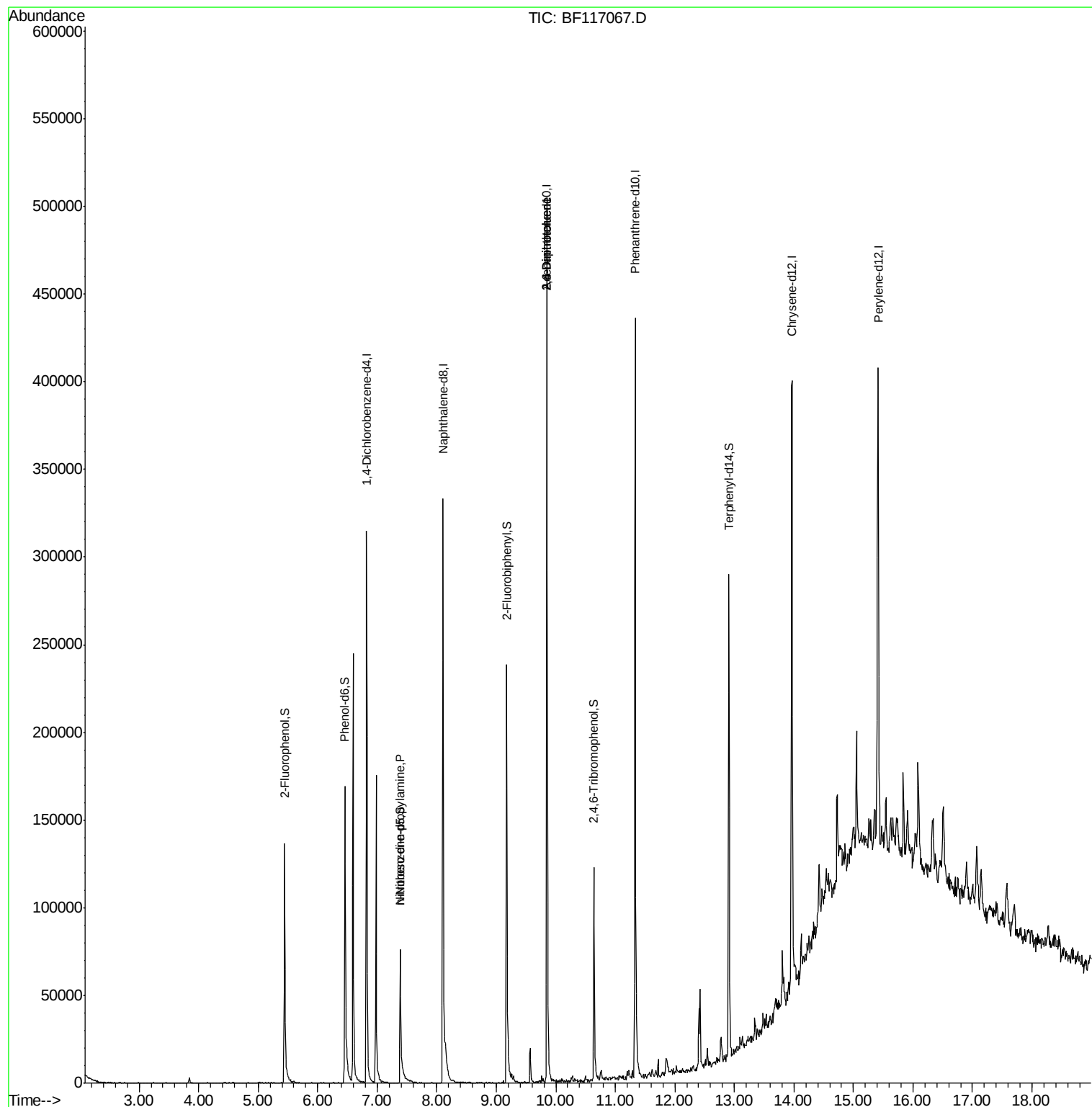
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	49223	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	219722	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	115252	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	180021	20.00	ng	0.00
76) Chrysene-d12	13.97	240	128483	20.00	ng	0.00
87) Perylene-d12	15.41	264	119141	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	57727	18.31	ng	0.00
7) Phenol-d6	6.46	99	84597	20.76	ng	0.00
23) Nitrobenzene-d5	7.39	82	49336	11.80	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	18932	19.65	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	106472	14.44	ng	0.00
79) Terphenyl-d14	12.91	244	94861	13.80	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	1489	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	7.39	70	6342	2.556 ng	#	75
51) 2,6-Dinitrotoluene	9.85	165	14769	8.886 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	14769	6.846 ng	#	18

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

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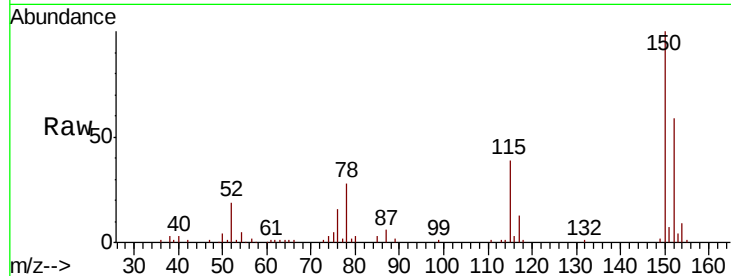


#1

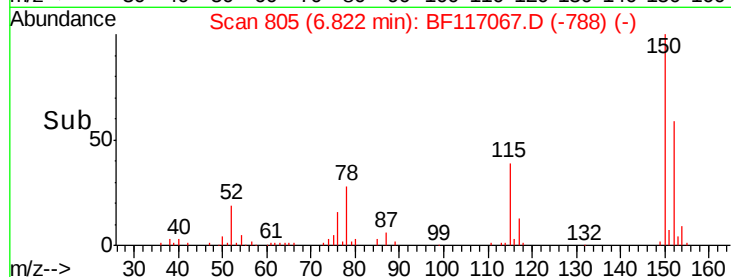
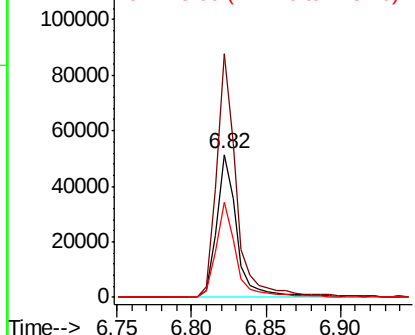
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117067.D
Acq: 16 Sep 2019 17:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 49223
Ion Ratio Lower Upper
152 100
150 170.2 127.5 191.3
115 66.9 55.0 82.4



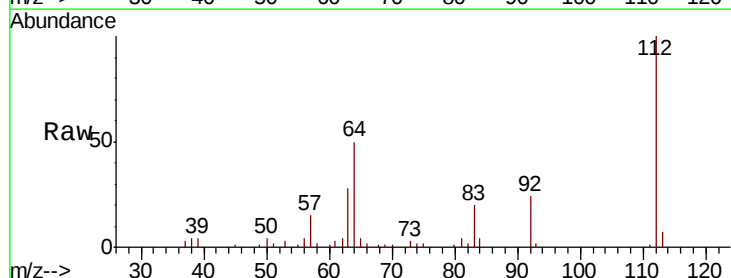
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



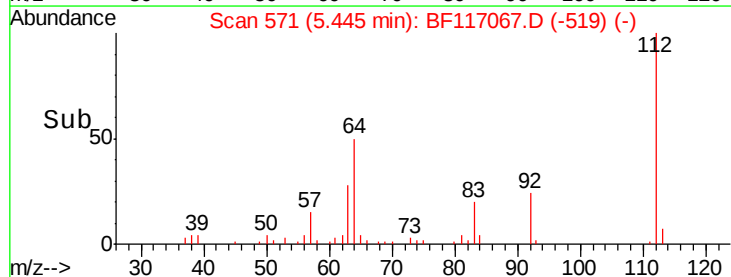
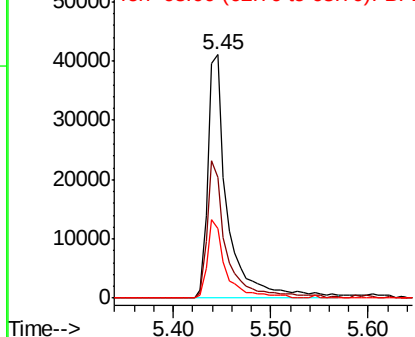
#5

2-Fluorophenol
Concen: 18.310 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117067.D
Acq: 16 Sep 2019 17:05

Tgt Ion:112 Resp: 57727
Ion Ratio Lower Upper
112 100
64 49.5 45.7 68.5
63 28.4 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: 20.762 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117067.D

Acq: 16 Sep 2019 17:05

Instrument :

BNA_F

ClientSampleId :

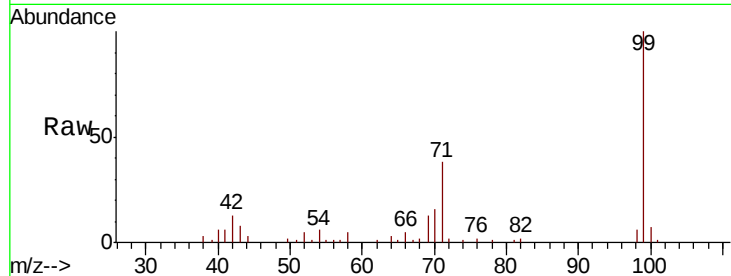
Tot Ion: 99 Resp: 84597

Ion Ratio Lower Upper

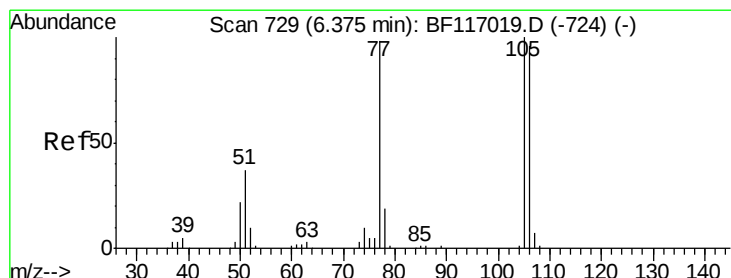
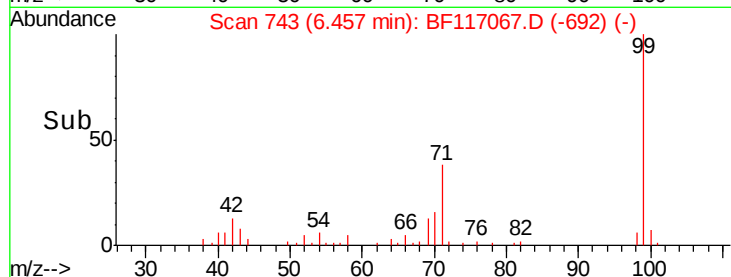
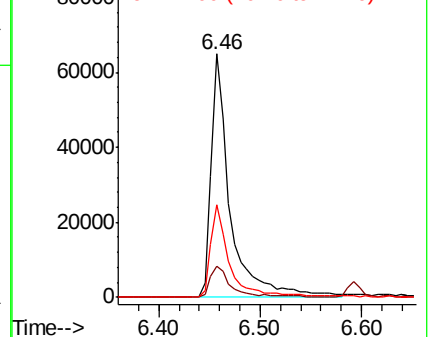
99 100

42 13.0 12.2 18.2

71 37.9 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: 6.59 min Scan# 766

Delta R.T. 0.22 min

Lab File: BF117067.D

Acq: 16 Sep 2019 17:05

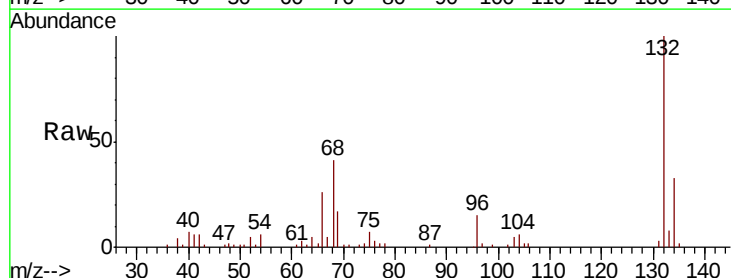
Tgt Ion: 77 Resp: 1489

Ion Ratio Lower Upper

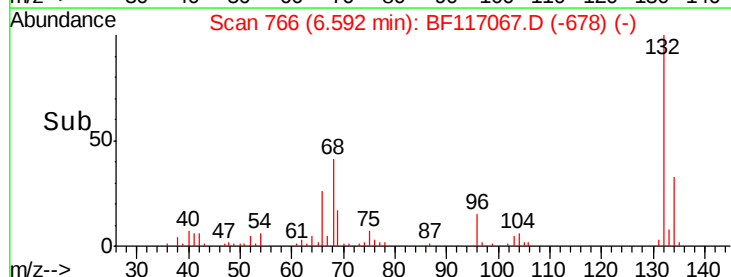
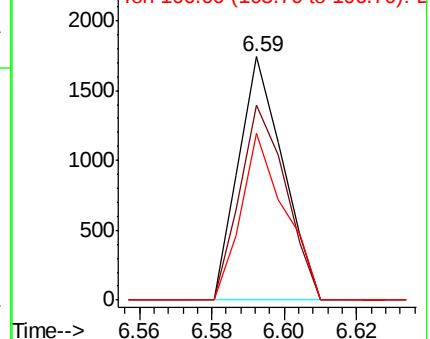
77 100

105 80.2 81.8 121.8#

106 68.4 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

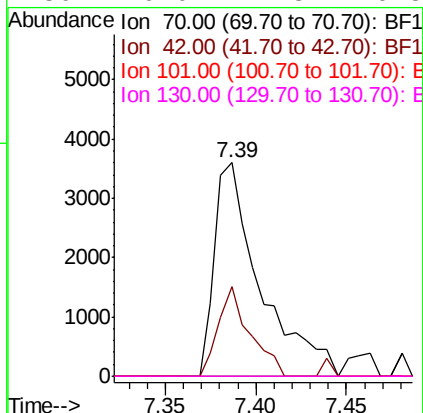
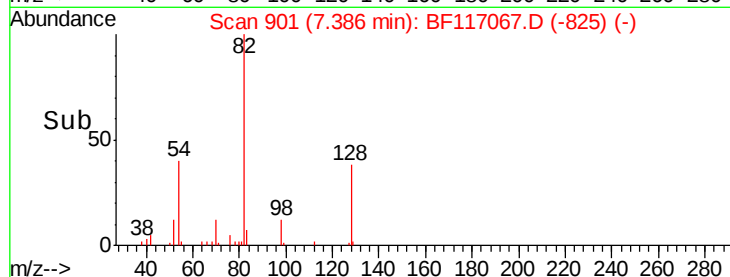
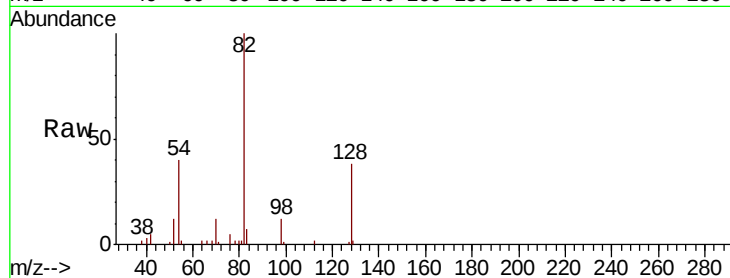




#19
n-Nitroso-di-n-propylamine
Concen: 2.556 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117067.D
Acq: 16 Sep 2019 17:05

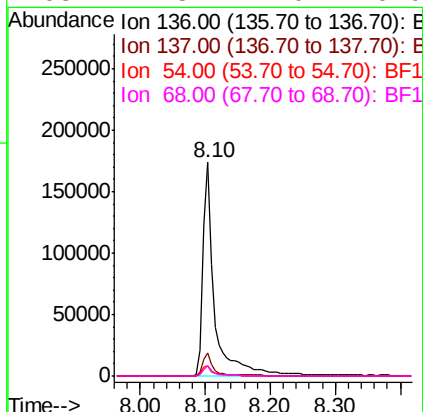
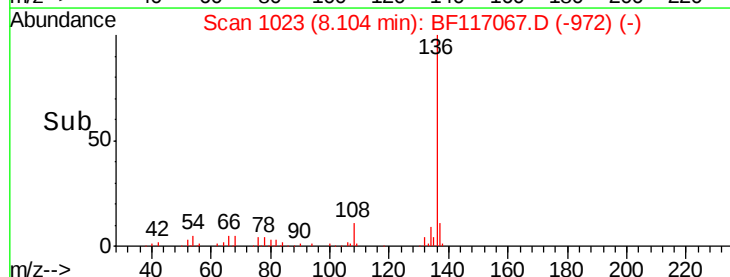
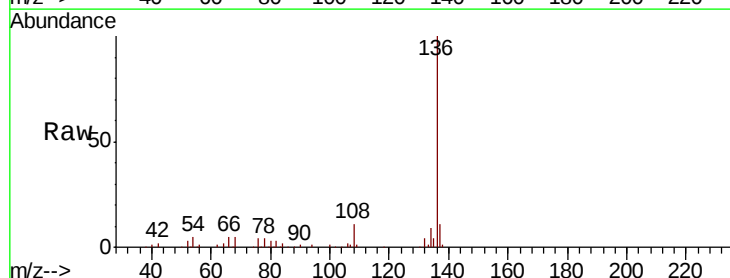
Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 6342
Ion Ratio Lower Upper
70 100
42 41.7 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 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: BF117067.D
Acq: 16 Sep 2019 17:05

Tgt Ion: 136 Resp: 219722
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 5.1 4.5 6.7
68 4.8 4.0 6.0

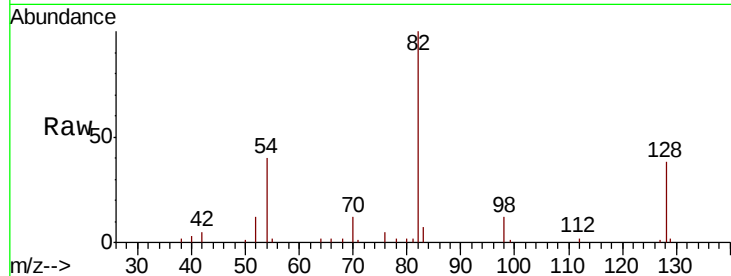




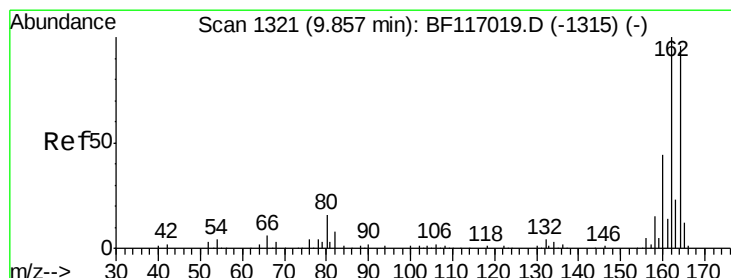
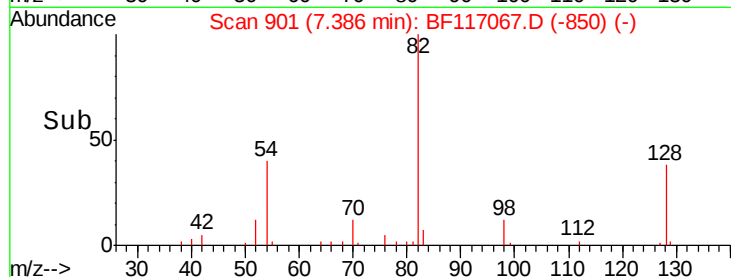
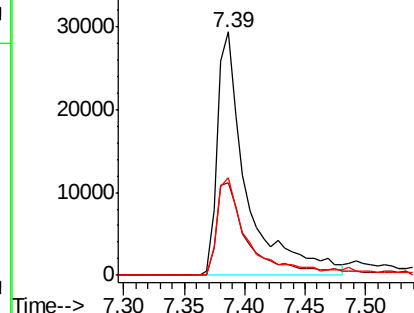
#23
Nitrobenzene-d5
Concen: 11.798 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117067.D
Acq: 16 Sep 2019 17:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	49336
Ion Ratio	100	Lower	Upper
128	38.2	32.3	48.5
54	39.9	33.3	49.9

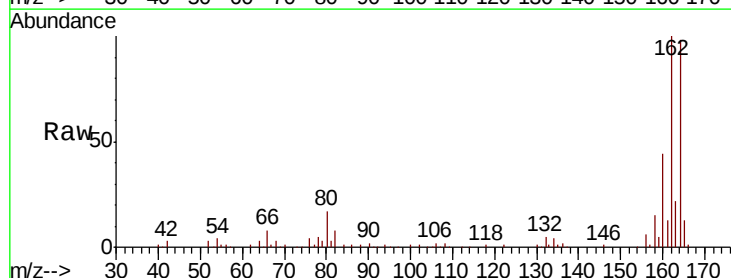


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

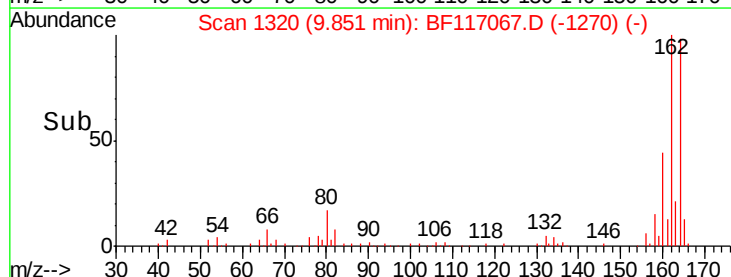
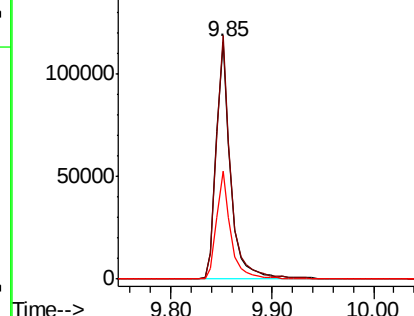


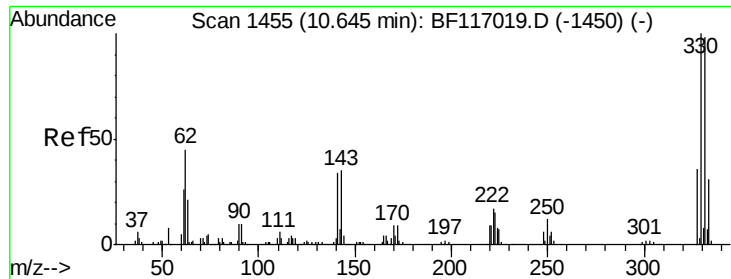
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117067.D
Acq: 16 Sep 2019 17:05

Tgt Ion	164	Resp	115252
Ion Ratio	100	Lower	Upper
162	102.6	83.4	125.2
160	45.5	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: 19.654 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117067.D

Acq: 16 Sep 2019 17:05

Instrument :

BNA_F

ClientSampleId :

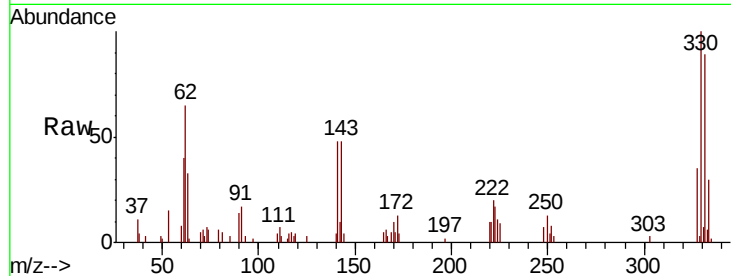
Tot Ion:330 Resp: 18932

Ion Ratio Lower Upper

330 100

332 90.0 78.0 117.0

141 46.8 35.8 53.6

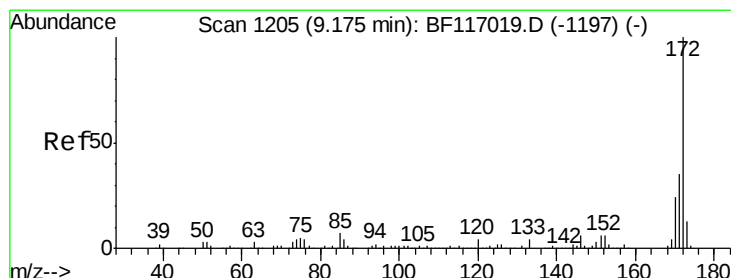
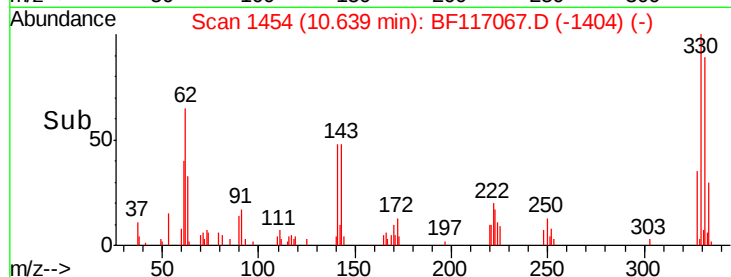
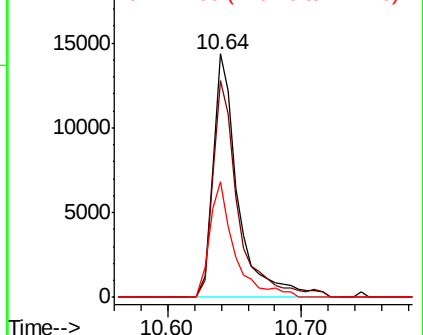


Abundance

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: 14.445 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF117067.D

Acq: 16 Sep 2019 17:05

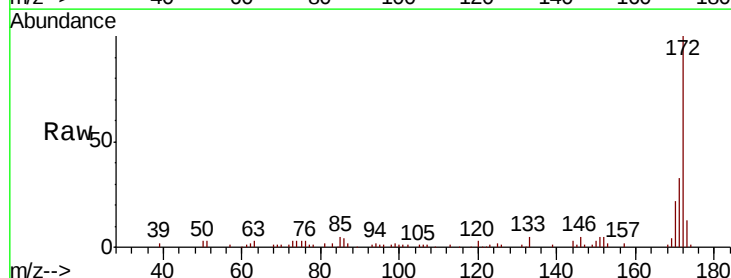
Tgt Ion:172 Resp: 106472

Ion Ratio Lower Upper

172 100

171 32.9 28.2 42.2

170 21.8 18.9 28.3

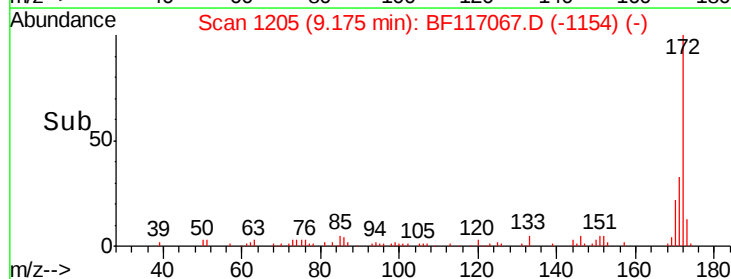
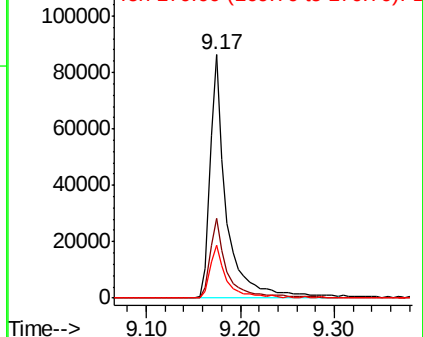


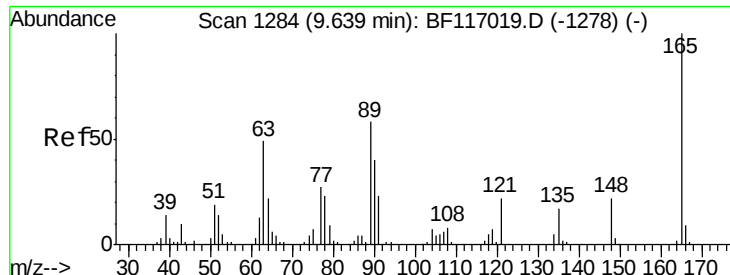
Abundance

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

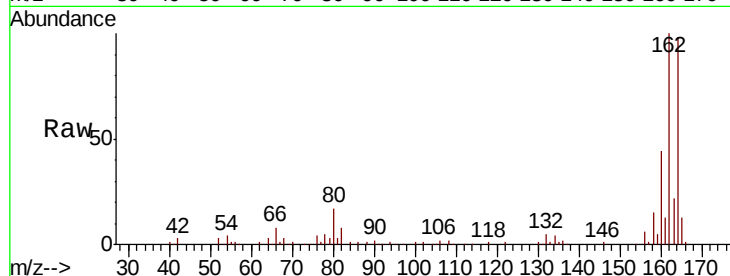




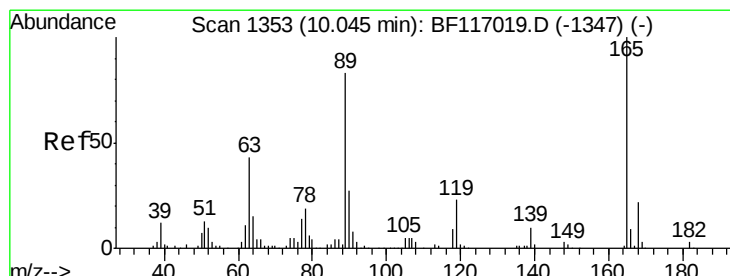
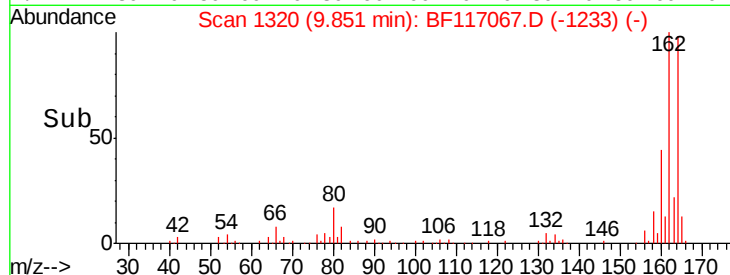
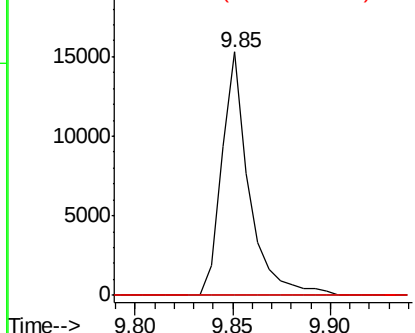
#51
 2,6-Dinitrotoluene
 Concen: 8.886 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117067.D
 Acq: 16 Sep 2019 17:05

Instrument :
 BNA_F
 ClientSampleId :

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

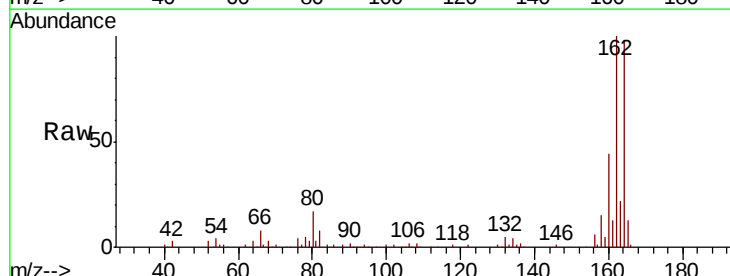


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

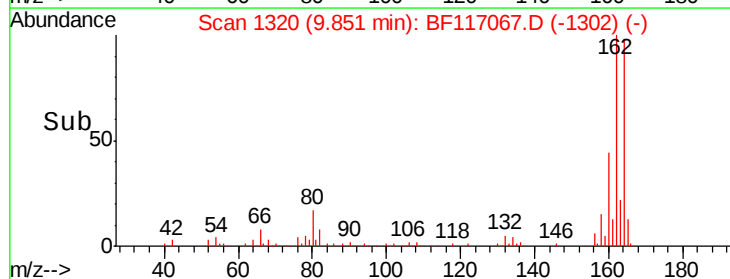
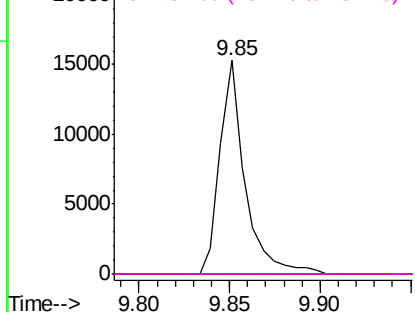


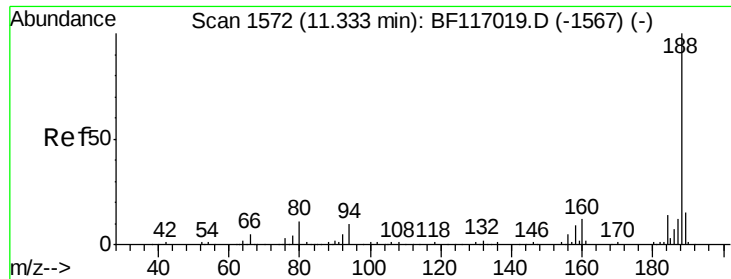
#57
 2,4-Dinitrotoluene
 Concen: 6.846 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117067.D
 Acq: 16 Sep 2019 17:05

Tgt 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

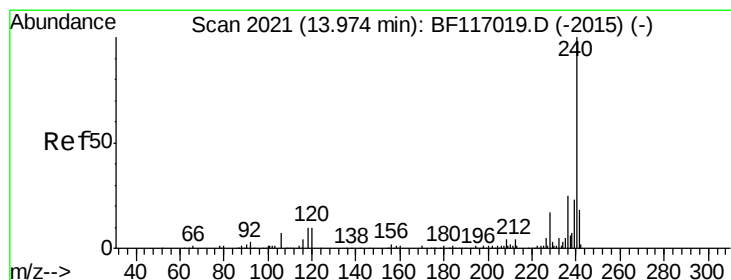
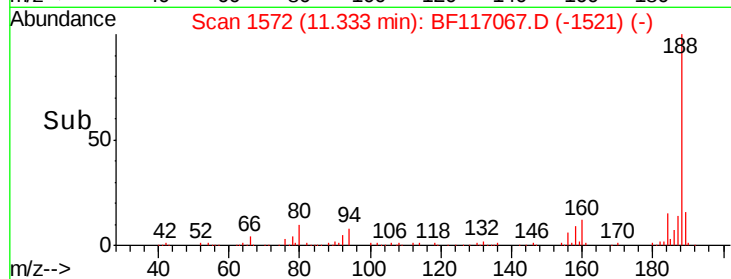
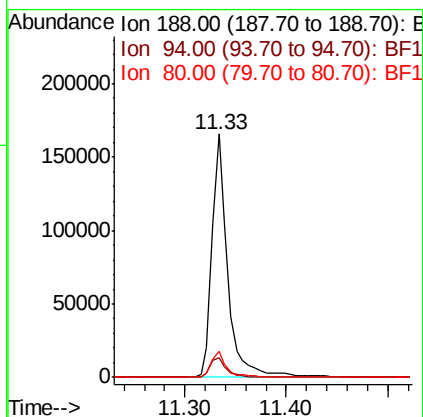
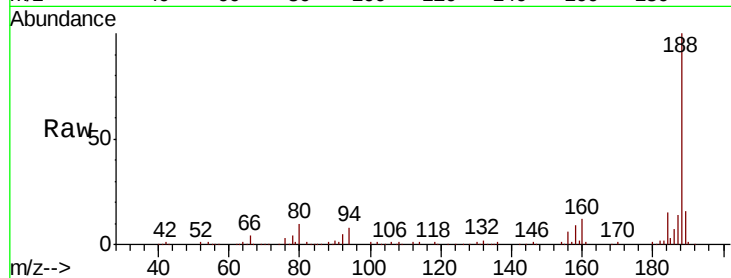




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117067.D
Acq: 16 Sep 2019 17:05

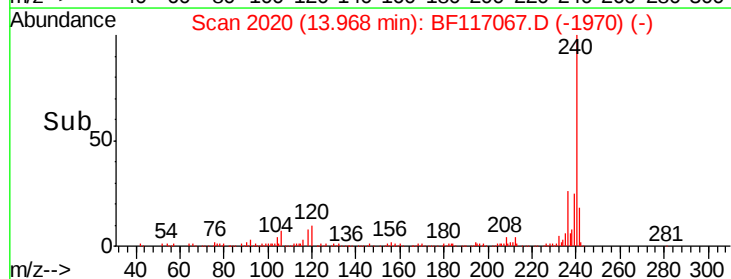
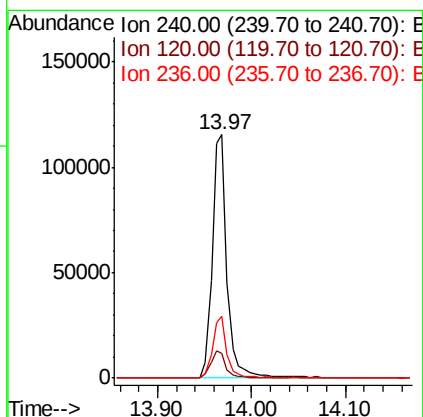
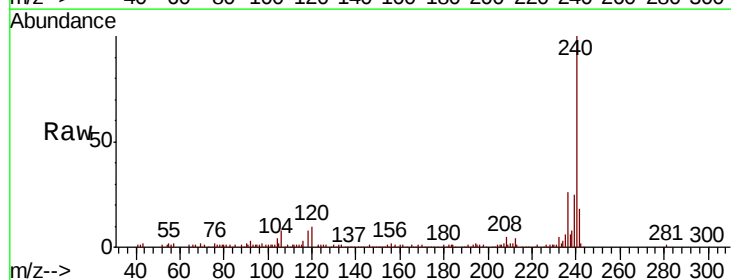
Instrument :
BNA_F
ClientSampleId :

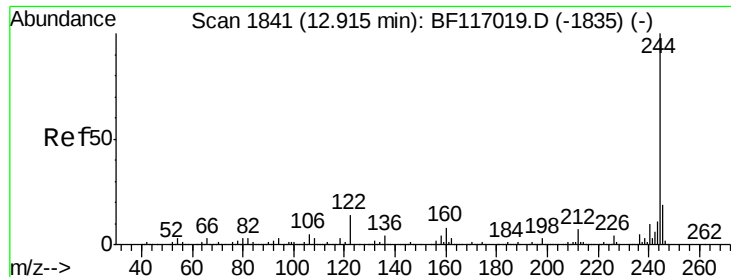
Tot Ion	188	Ratio	Lower	Upper
188	100			
94	8.2	8.2	12.2	
80	10.5	9.0	13.6	



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117067.D
Acq: 16 Sep 2019 17:05

Tgt Ion	240	Ratio	Lower	Upper
240	100			
120	10.2	8.3	12.5	
236	25.6	20.3	30.5	

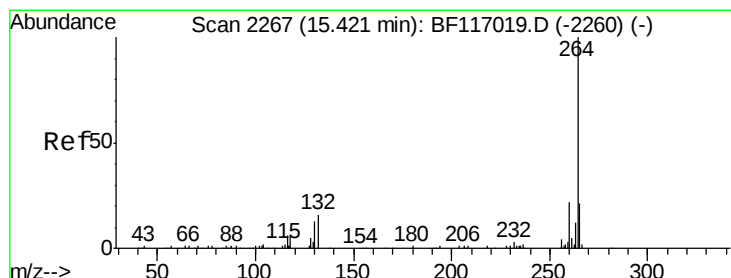
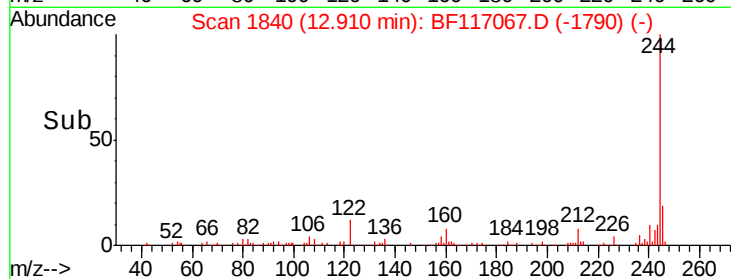
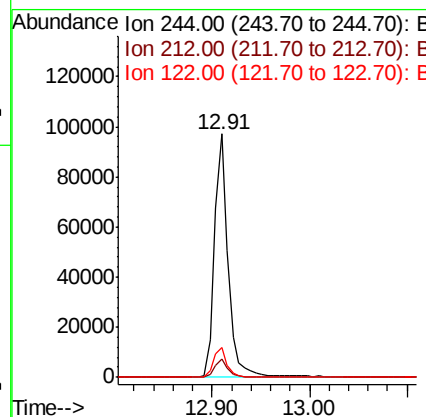
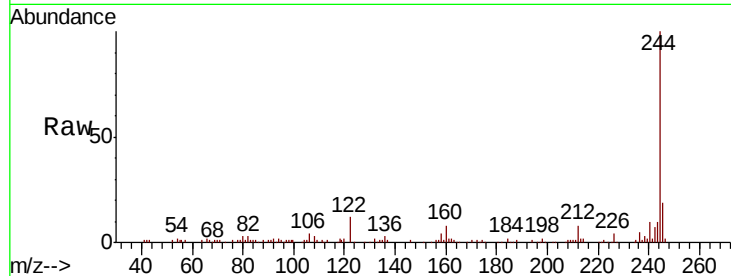




#79
 Terphenyl-d14
 Concen: 13.801 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117067.D
 Acq: 16 Sep 2019 17:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 94861
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 12.2 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117067.D
 Acq: 16 Sep 2019 17:05

Tgt Ion:264 Resp: 119141
 Ion Ratio Lower Upper
 264 100
 260 24.0 17.6 26.4
 265 21.7 16.6 24.8

