

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117089.D
 Acq On : 17 Sep 2019 4:11
 Operator : HP/JU
 Sample : K4877-16
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:19:37 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

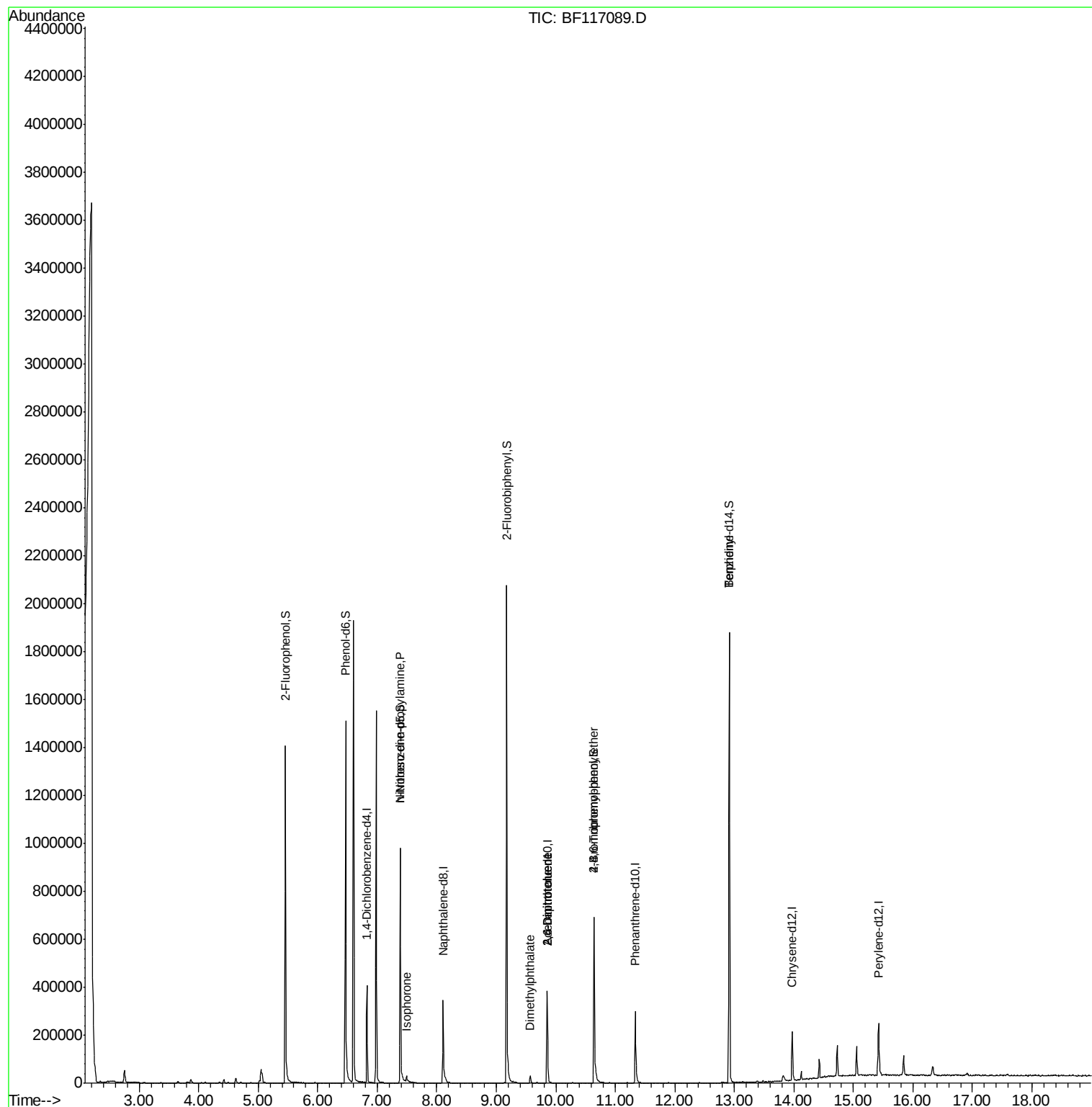
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	58270	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	224644	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	101008	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	151350	20.00	ng	0.00
76) Chrysene-d12	13.97	240	85705	20.00	ng	0.00
87) Perylene-d12	15.42	264	64958	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	452410	121.22	ng	0.02
7) Phenol-d6	6.47	99	545935	113.18	ng	0.01
23) Nitrobenzene-d5	7.39	82	364421	85.24	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	103304	122.37	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	693071	107.29	ng	0.00
79) Terphenyl-d14	12.92	244	580013	126.50	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	864	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.39	70	50567	17.217 ng	#	79
25) Isophorone	7.49	82	17213	2.274 ng	#	68
50) Dimethylphthalate	9.57	163	18225	2.548 ng		97
51) 2,6-Dinitrotoluene	9.86	165	12524	8.598 ng	#	24
57) 2,4-Dinitrotoluene	9.86	165	12524	6.624 ng	#	18
67) 4-Bromophenyl-phenylether	10.65	248	6535	4.228 ng	#	1
77) Benzidine	12.92	184	8504	3.080 ng		96

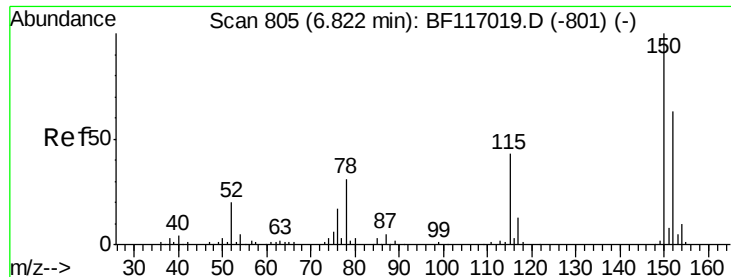
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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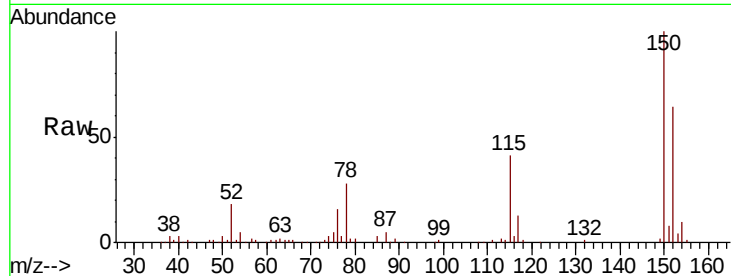


#1

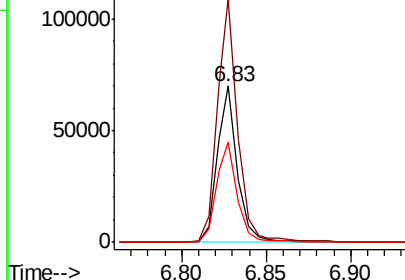
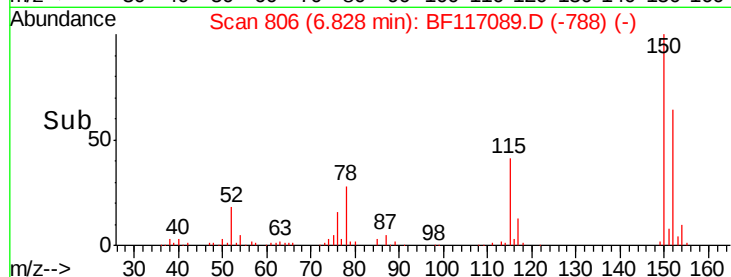
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117089.D
Acq: 17 Sep 2019 4:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 58270
Ion Ratio Lower Upper
152 100
150 155.8 127.5 191.3
115 64.3 55.0 82.4



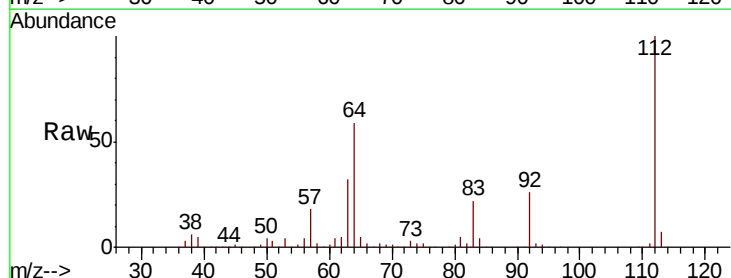
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



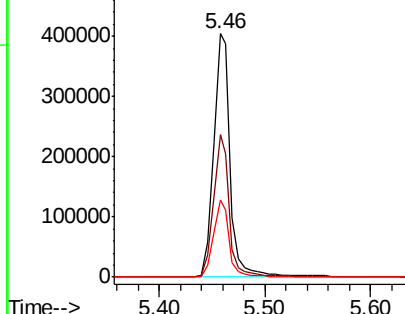
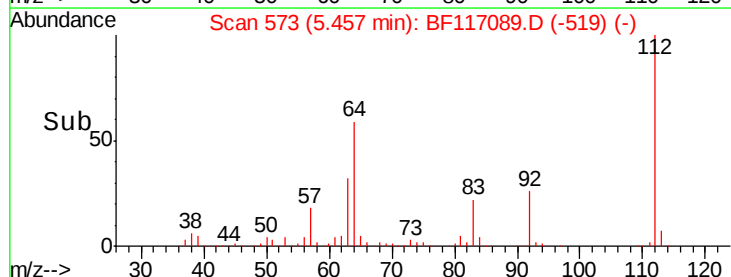
#5

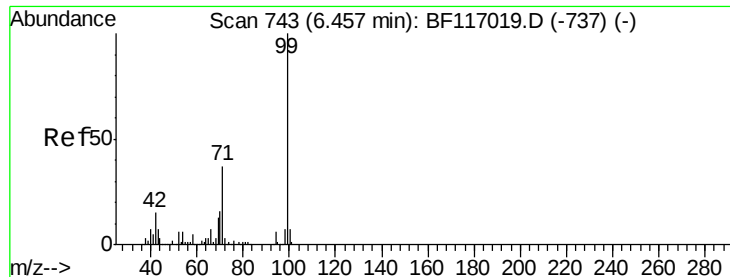
2-Fluorophenol
Concen: 121.216 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117089.D
Acq: 17 Sep 2019 4:11

Tgt Ion:112 Resp: 452410
Ion Ratio Lower Upper
112 100
64 58.5 45.7 68.5
63 31.8 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: 113.184 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117089.D

Acq: 17 Sep 2019 4:11

Instrument :

BNA_F

ClientSampleId :

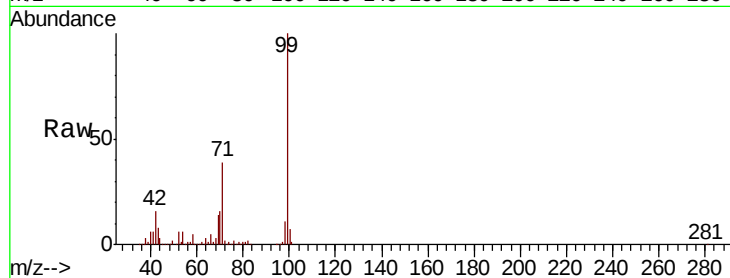
Tot Ion: 99 Resp: 545935

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

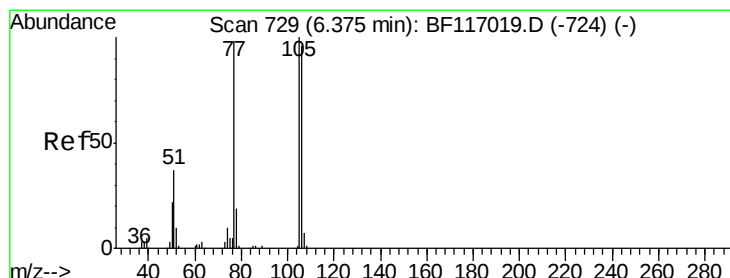
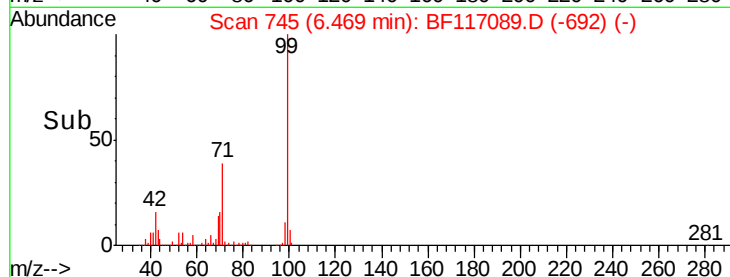
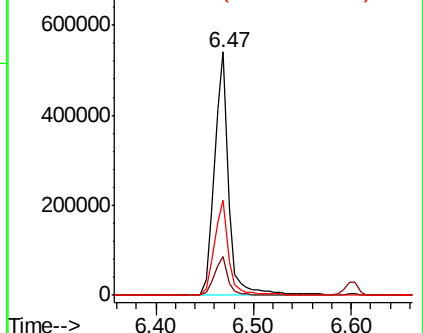
71 39.1 29.8 44.8



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: 6.46 min Scan# 744

Delta R.T. 0.09 min

Lab File: BF117089.D

Acq: 17 Sep 2019 4:11

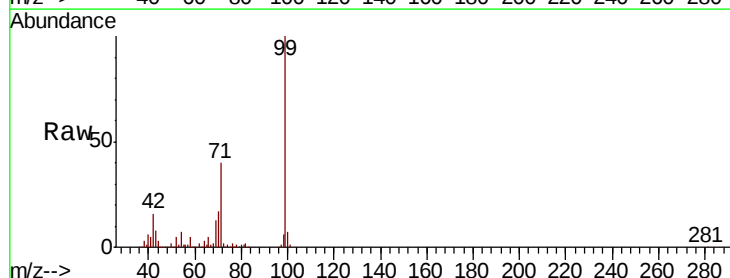
Tgt Ion: 77 Resp: 864

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

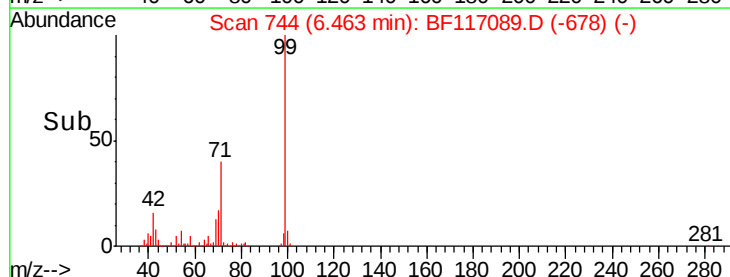
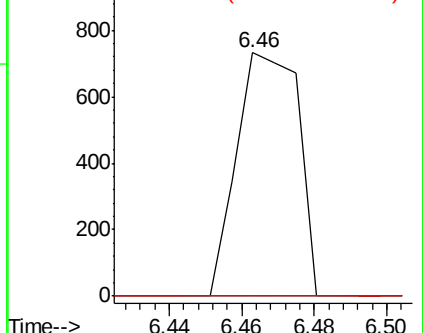
106 0.0 77.3 117.3#

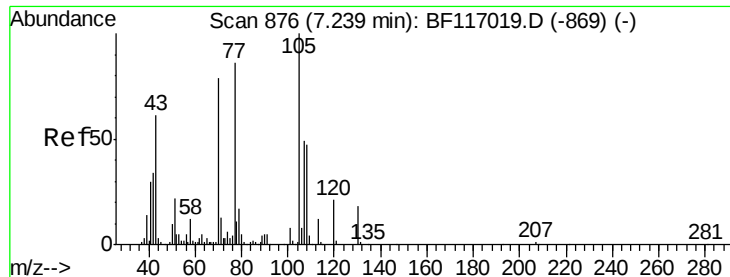


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

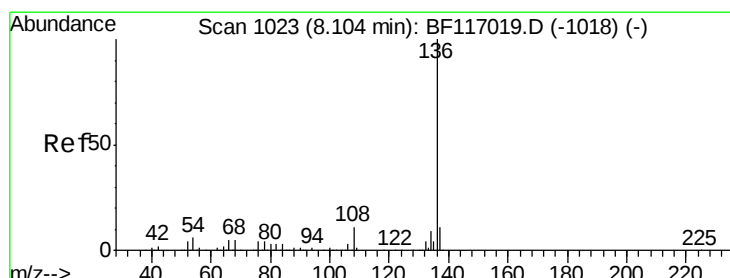
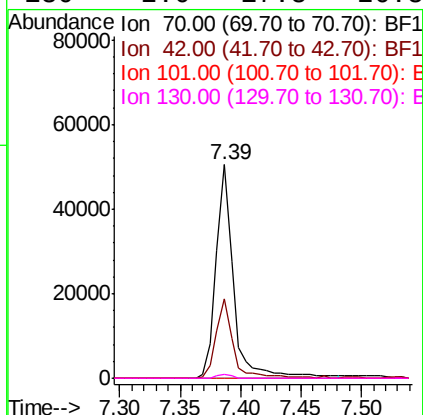
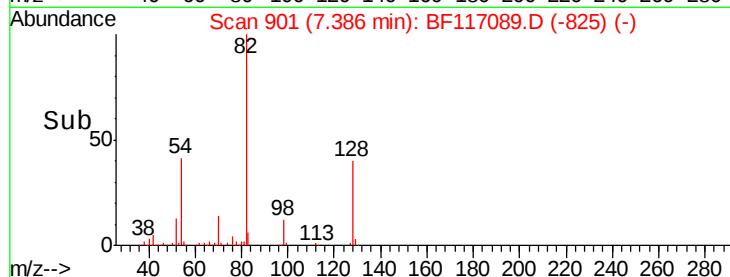
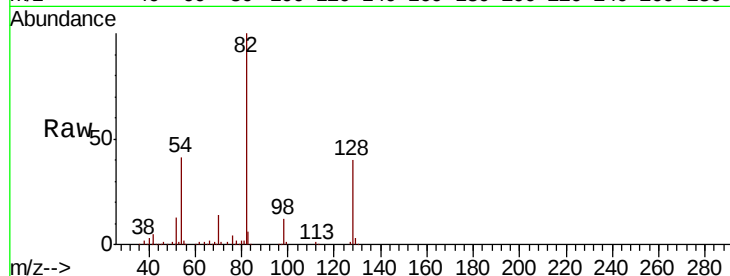




#19
n-Nitroso-di-n-propylamine
Concen: 17.217 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117089.D
Acq: 17 Sep 2019 4:11

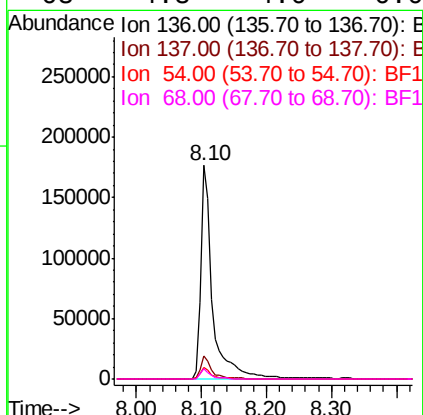
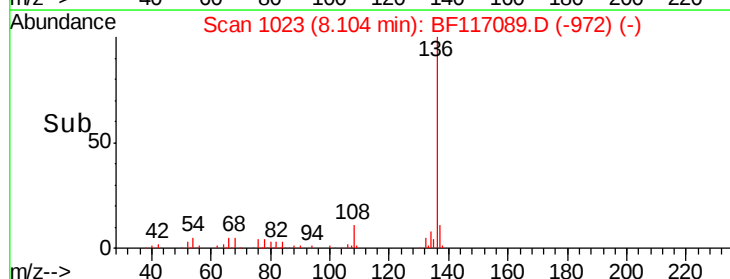
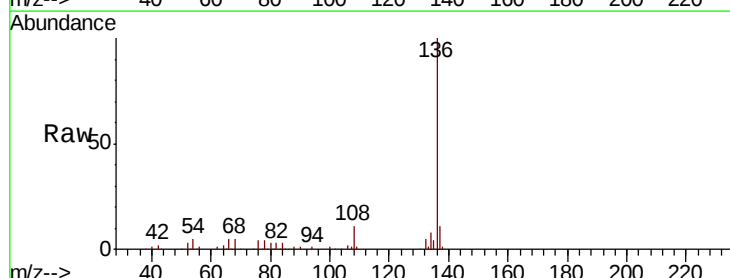
Instrument :
BNA_F
ClientSampleId :

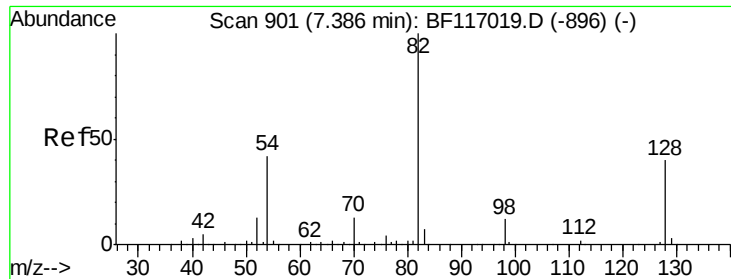
Tot Ion: 70 Resp: 50567
Ion Ratio Lower Upper
70 100
42 37.3 34.0 51.0
101 0.0 7.8 11.6#
130 2.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117089.D
Acq: 17 Sep 2019 4:11

Tgt Ion: 136 Resp: 224644
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 5.3 4.5 6.7
68 4.8 4.0 6.0

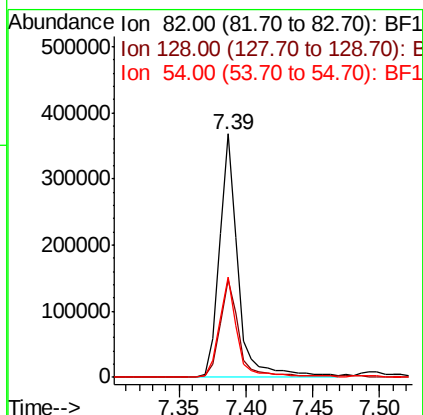
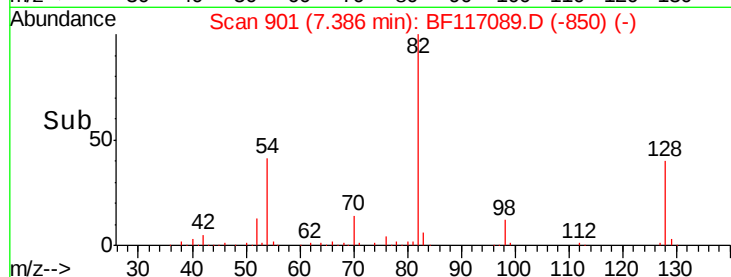
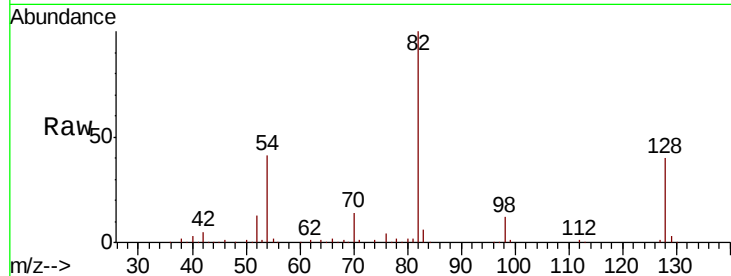




#23
 Nitrobenzene-d5
 Concen: 85.235 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117089.D
 Acq: 17 Sep 2019 4:11

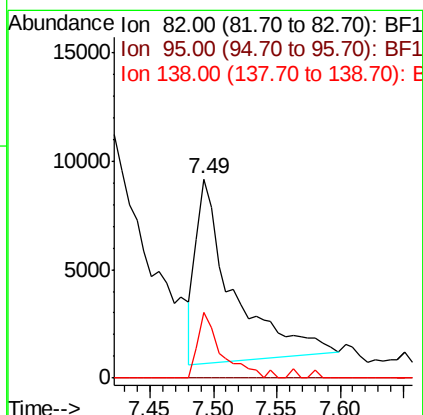
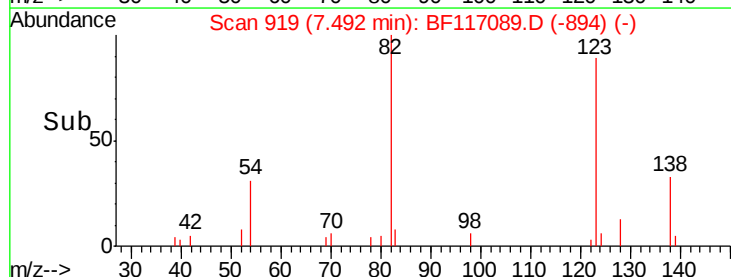
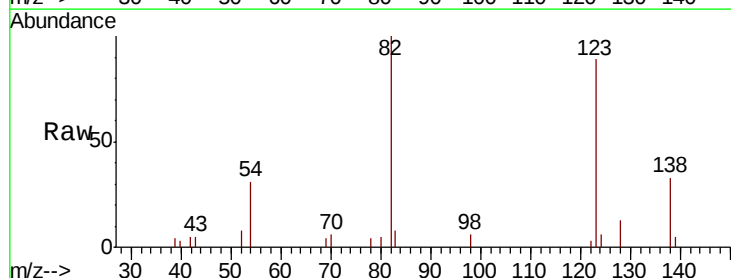
Instrument :
 BNA_F
 ClientSampled :

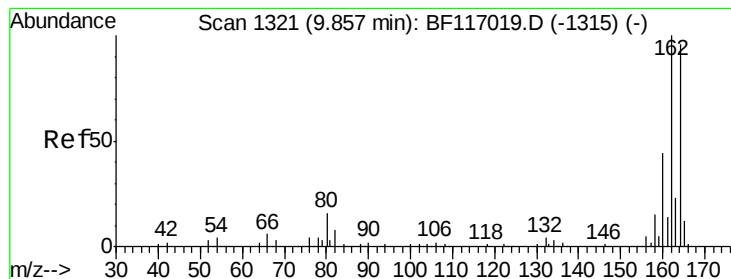
Tot Ion	82	Resp	364421
Ion Ratio	Lower	Upper	
82	100		
128	40.1	32.3	48.5
54	41.1	33.3	49.9



#25
 Isophorone
 Concen: 2.274 ng
 RT: 7.49 min Scan# 919
 Delta R.T. -0.15 min
 Lab File: BF117089.D
 Acq: 17 Sep 2019 4:11

Tgt Ion	82	Resp	17213
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	32.9	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: BF117089.D

Acq: 17 Sep 2019 4:11

Instrument :

BNA_F

ClientSampleId :

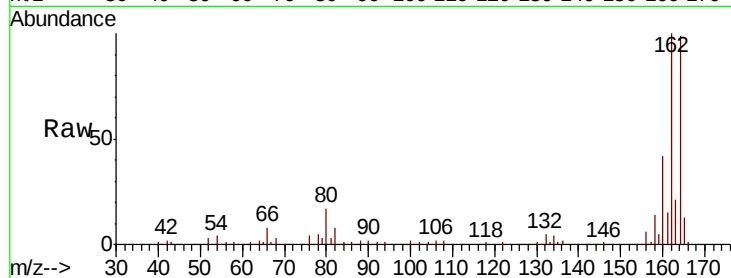
Tot Ion:164 Resp: 101008

Ion Ratio Lower Upper

164 100

162 101.2 83.4 125.2

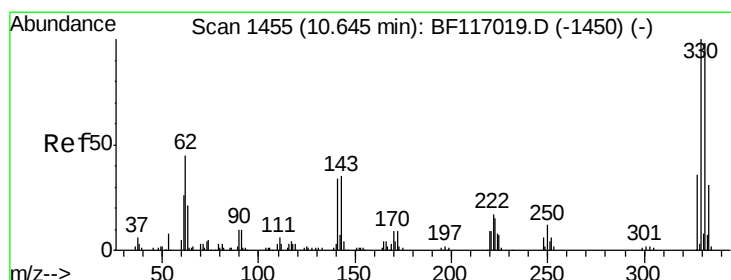
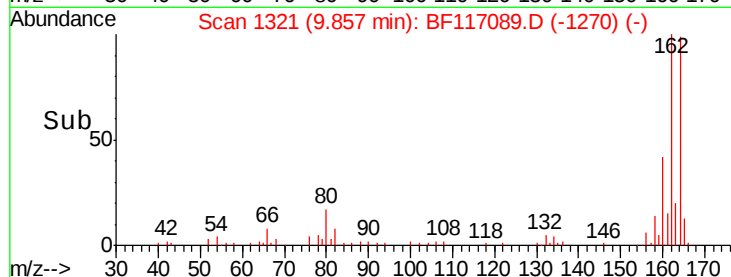
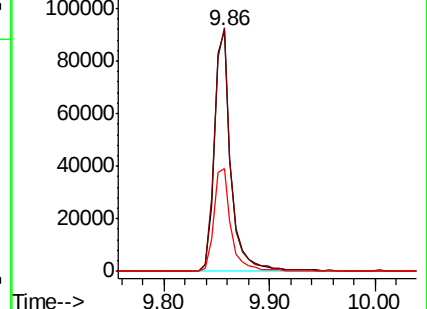
160 42.8 36.4 54.6



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: 122.370 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF117089.D

Acq: 17 Sep 2019 4:11

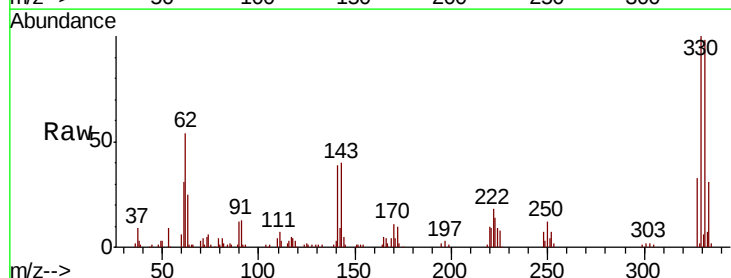
Tgt Ion:330 Resp: 103304

Ion Ratio Lower Upper

330 100

332 97.3 78.0 117.0

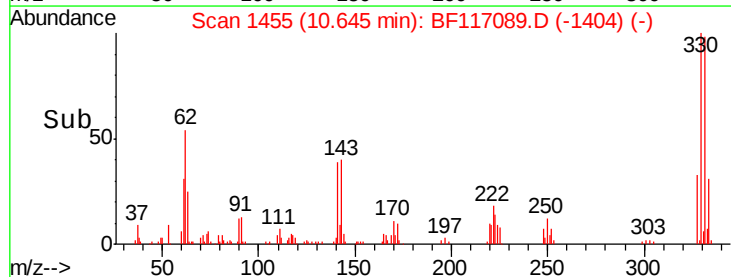
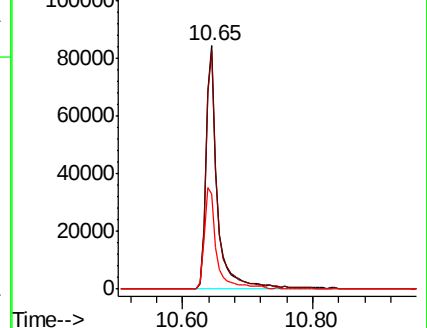
141 44.3 35.8 53.6

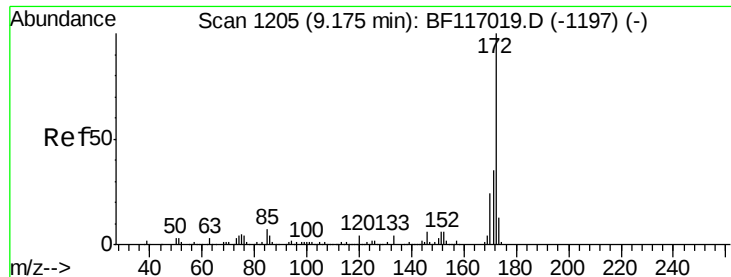


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

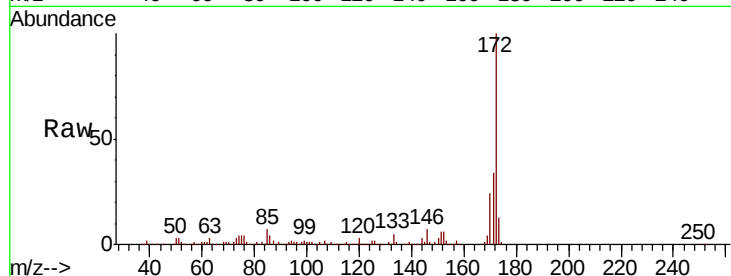




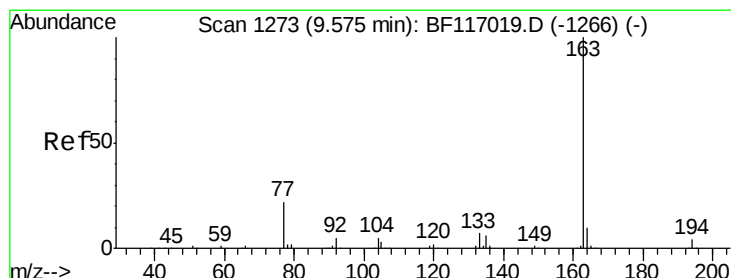
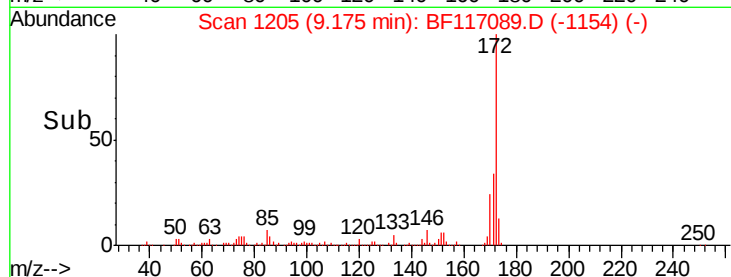
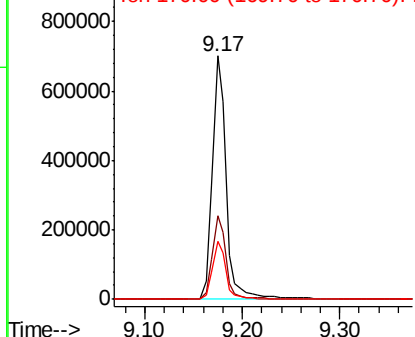
#45
2-Fluorobiphenyl
Concen: 107.285 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117089.D
Acq: 17 Sep 2019 4:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 693071
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 23.7 18.9 28.3

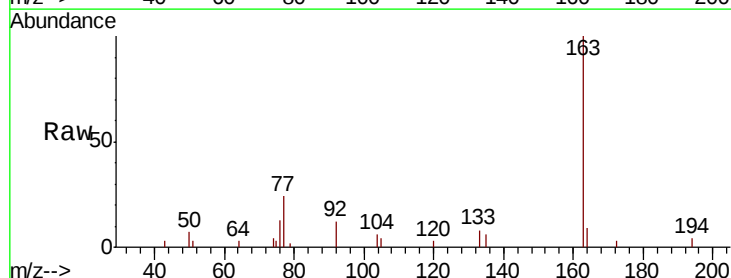


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

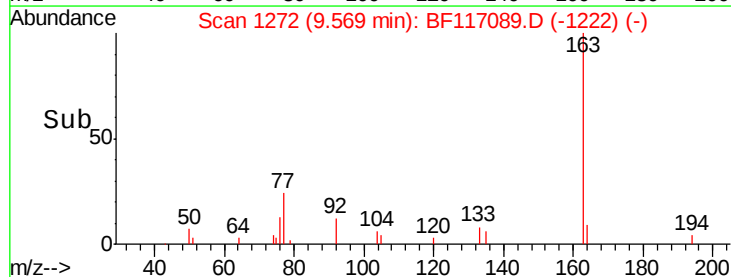
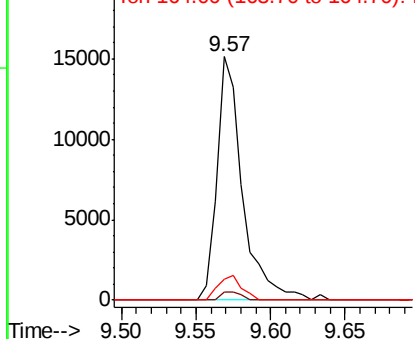


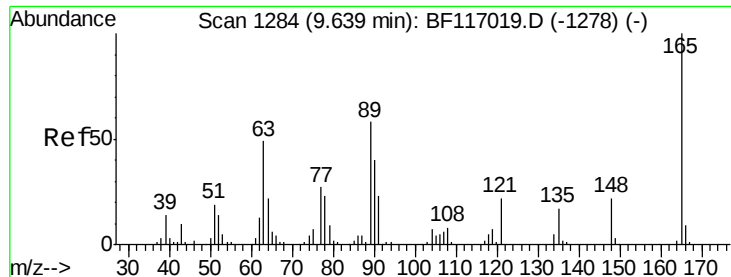
#50
Dimethylphthalate
Concen: 2.548 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117089.D
Acq: 17 Sep 2019 4:11

Tgt Ion:163 Resp: 18225
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 8.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

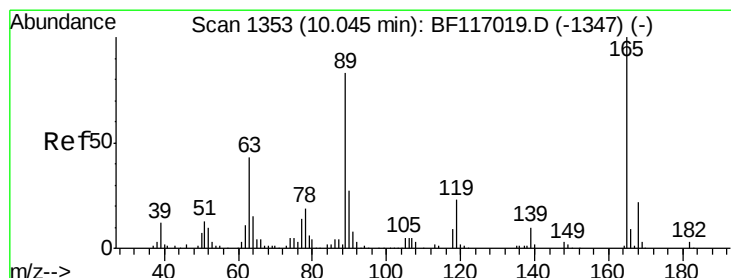
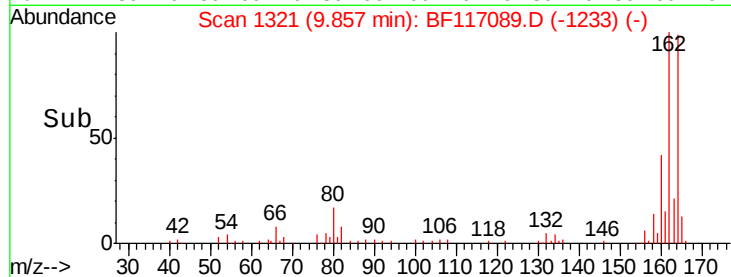
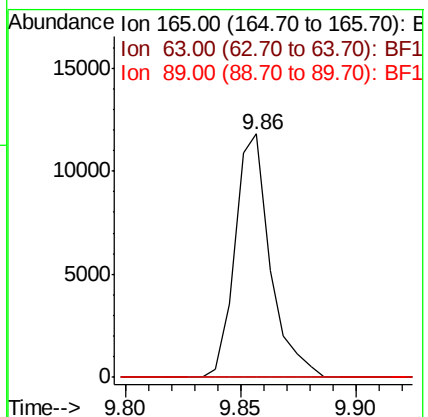
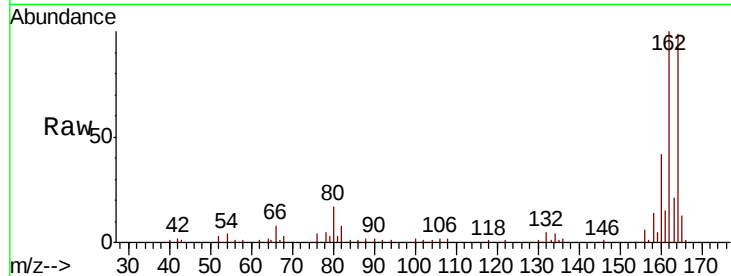




#51
 2,6-Dinitrotoluene
 Concen: 8.598 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.22 min
 Lab File: BF117089.D
 Acq: 17 Sep 2019 4:11

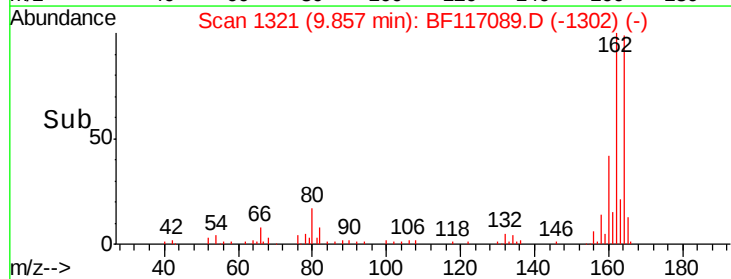
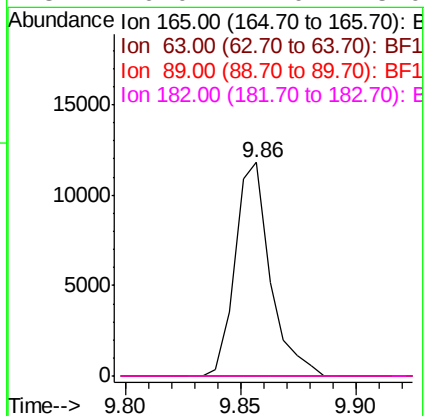
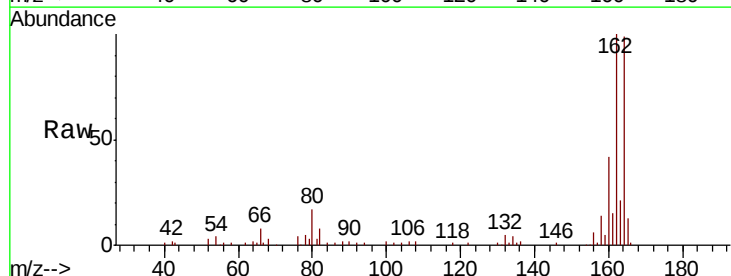
Instrument :
 BNA_F
 ClientSampleId :

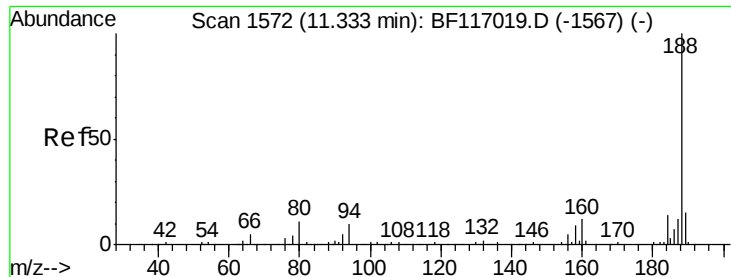
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.624 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.19 min
 Lab File: BF117089.D
 Acq: 17 Sep 2019 4:11

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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF117089.D

Acq: 17 Sep 2019 4:11

Instrument :

BNA_F

ClientSampleId :

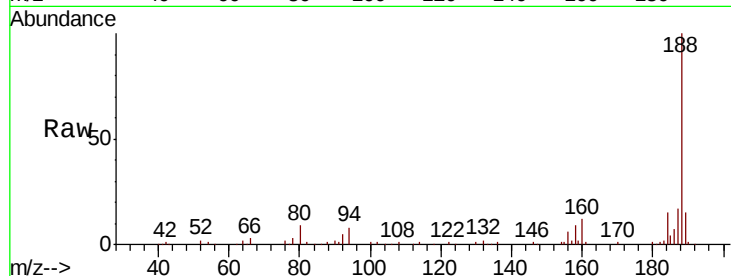
Tot Ion:188 Resp: 151350

Ion Ratio Lower Upper

188 100

94 7.9 8.2 12.2#

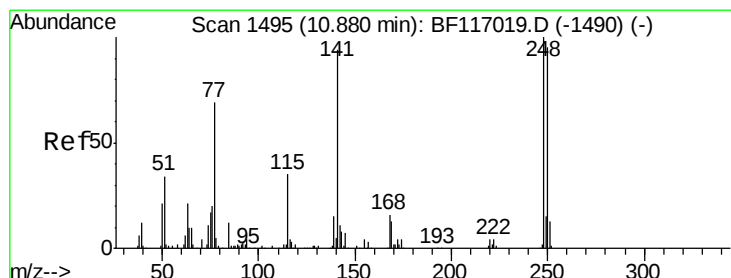
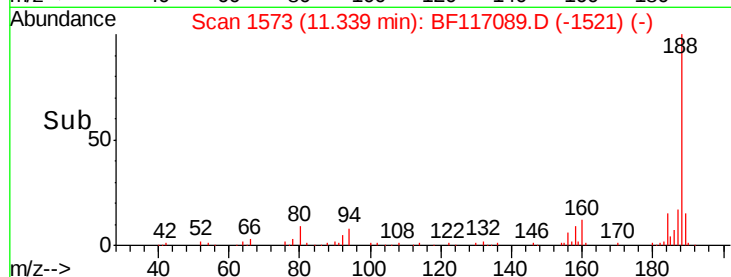
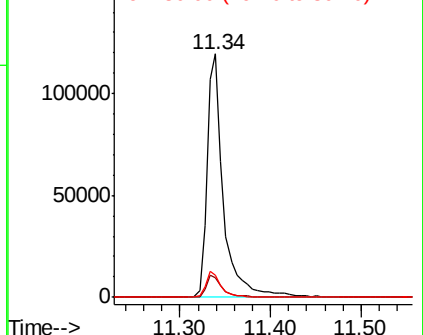
80 8.9 9.0 13.6#



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: 4.228 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.24 min

Lab File: BF117089.D

Acq: 17 Sep 2019 4:11

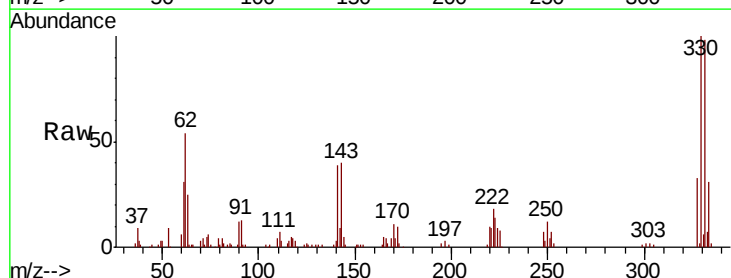
Tgt Ion:248 Resp: 6535

Ion Ratio Lower Upper

248 100

250 184.2 76.2 114.4#

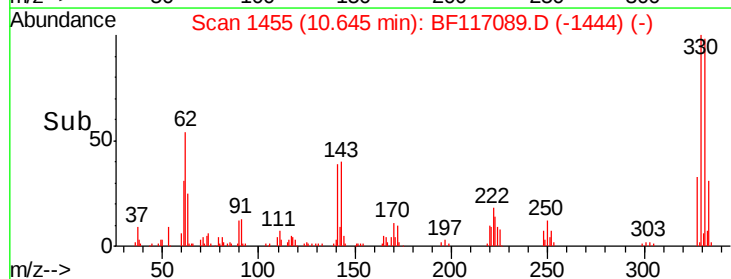
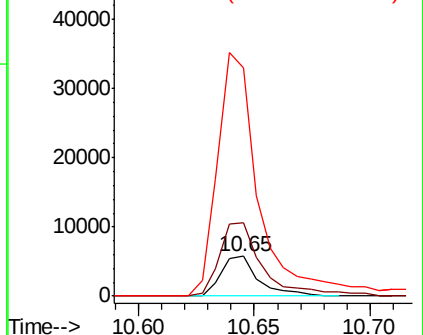
141 577.2 75.0 112.4#

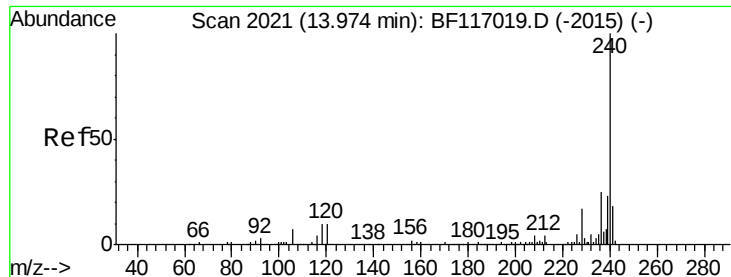


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

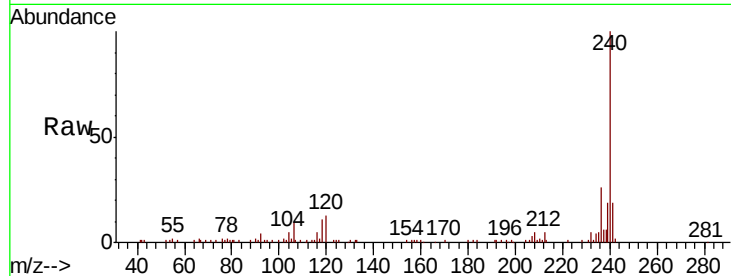




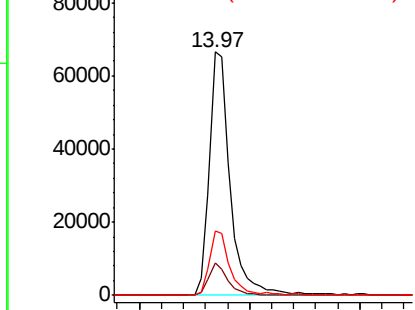
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117089.D
Acq: 17 Sep 2019 4:11

Instrument :
BNA_F
ClientSampleId :

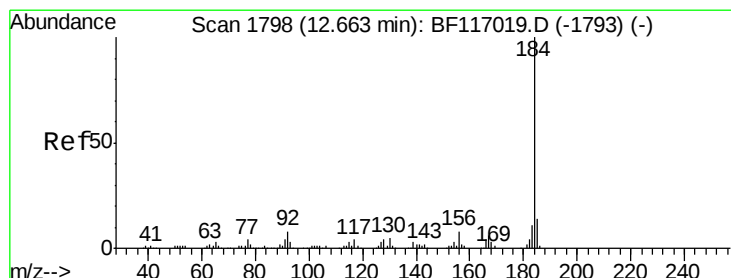
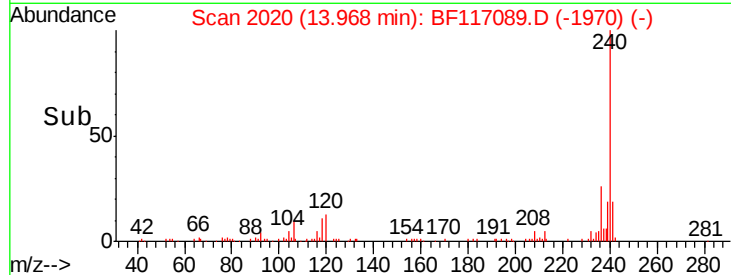
Tot Ion:240 Resp: 85705
Ion Ratio Lower Upper
240 100
120 13.1 8.3 12.5#
236 26.4 20.3 30.5



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

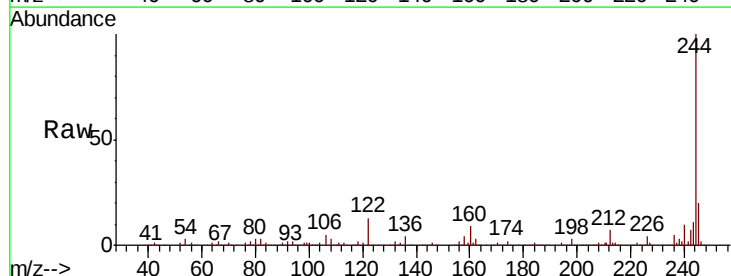


Time-->

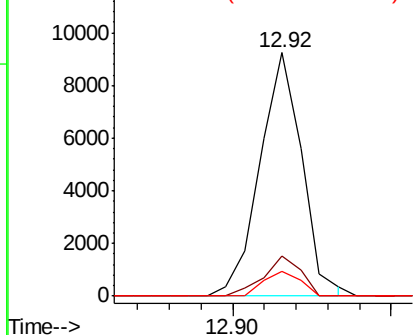


#77
Benzidine
Concen: 3.080 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117089.D
Acq: 17 Sep 2019 4:11

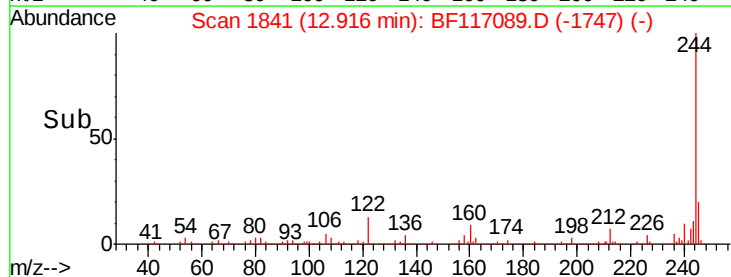
Tgt Ion:184 Resp: 8504
Ion Ratio Lower Upper
184 100
185 16.4 11.6 17.4
183 10.2 9.0 13.4

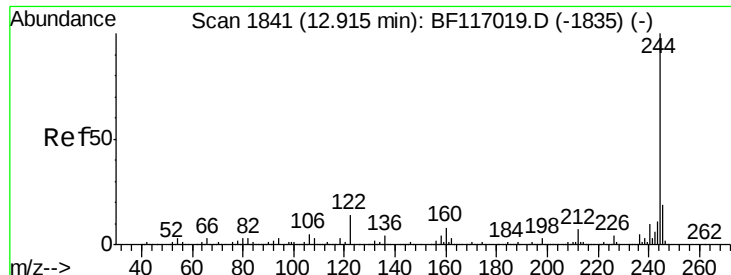


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time-->





#79

Terphenyl-d14

Concen: 126.501 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117089.D

Acq: 17 Sep 2019 4:11

Instrument :

BNA_F

ClientSampleId :

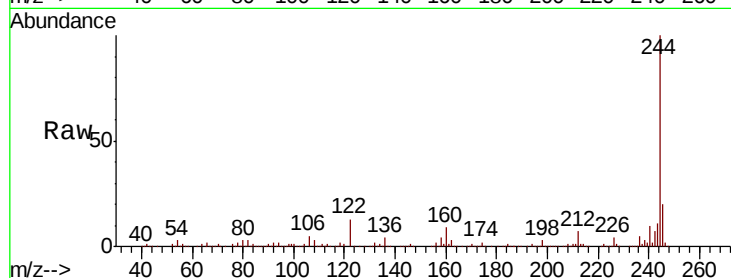
Tot Ion:244 Resp: 580013

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

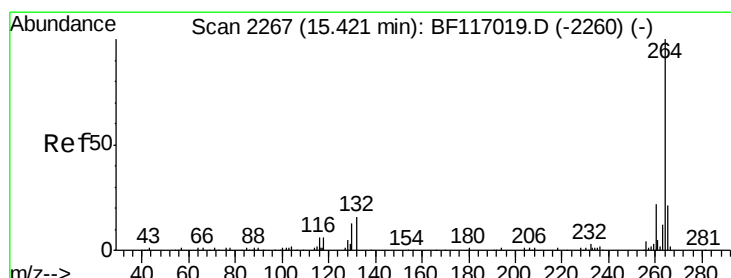
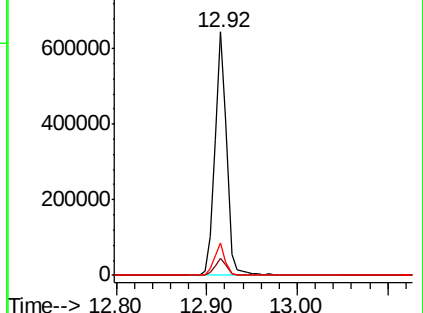
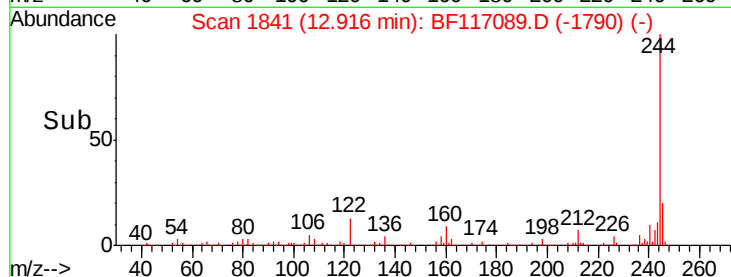
122 13.3 11.3 16.9



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

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BF117089.D

Acq: 17 Sep 2019 4:11

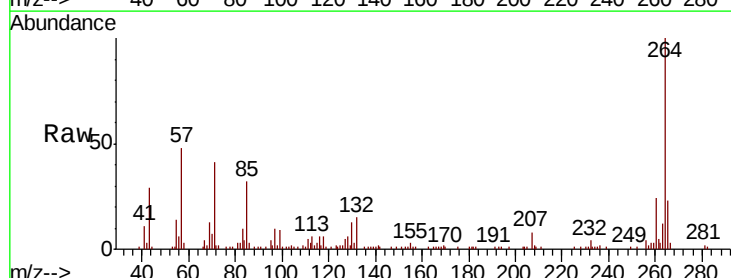
Tgt Ion:264 Resp: 64958

Ion Ratio Lower Upper

264 100

260 23.8 17.6 26.4

265 23.2 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

