

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117082.D
 Acq On : 17 Sep 2019 1:05
 Operator : HP/JU
 Sample : K4863-19
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:18:10 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

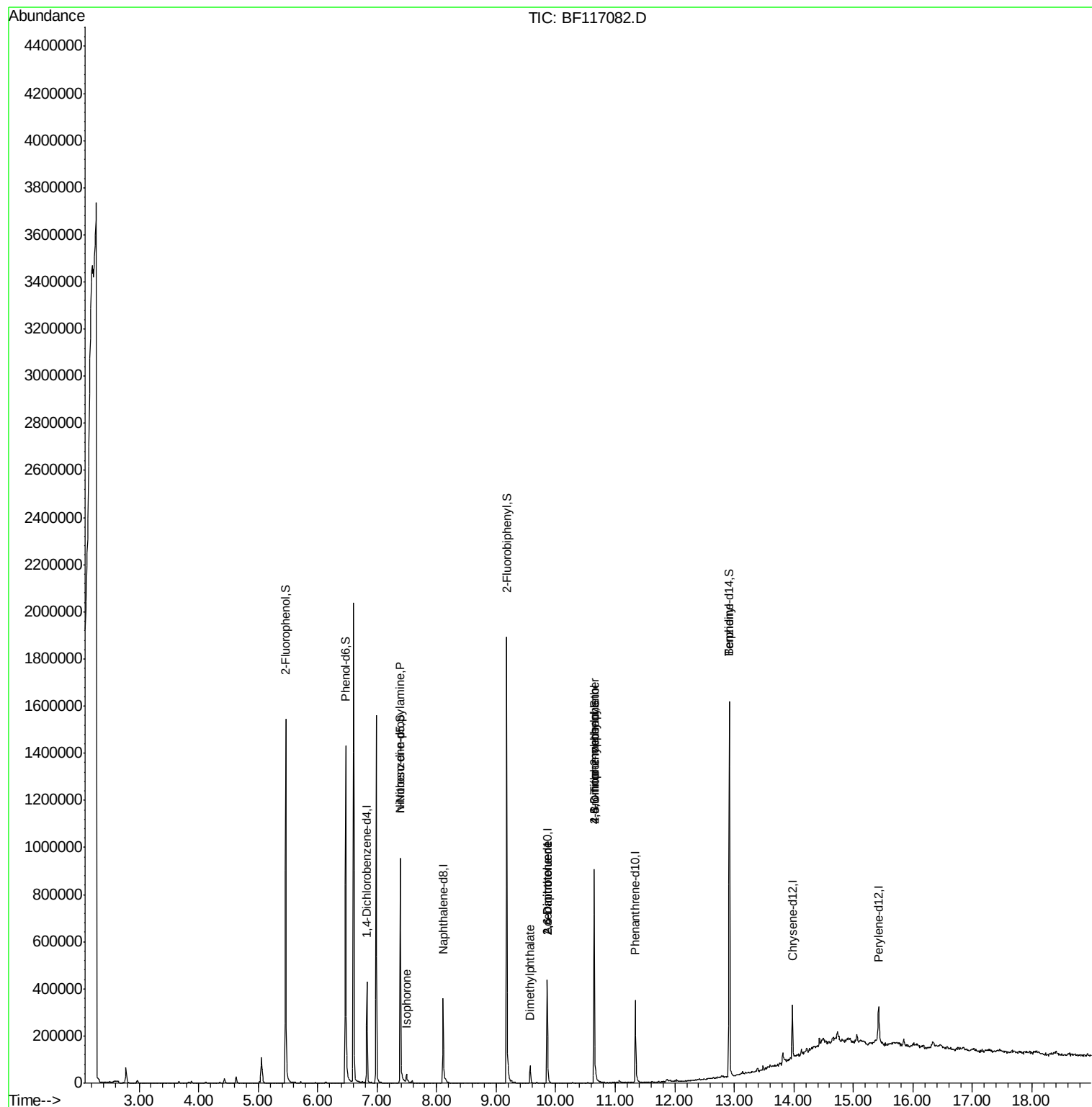
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	60177	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	226861	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	104092	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	151290	20.00	ng	0.00
76) Chrysene-d12	13.97	240	82584	20.00	ng	0.00
87) Perylene-d12	15.42	264	68880	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	458067	118.84	ng	0.02
7) Phenol-d6	6.47	99	545936	109.60	ng	0.01
23) Nitrobenzene-d5	7.39	82	356600	82.59	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	111997	128.74	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	649535	97.57	ng	0.00
79) Terphenyl-d14	12.92	244	533602	120.78	ng	0.00
Target Compounds						
9) Benzaldehyde	6.47	77	713	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	48453	15.974	ng	# 1
25) Isophorone	7.49	82	17860	2.336	ng	# 79
50) Dimethylphthalate	9.57	163	36847	4.999	ng	# 69
51) 2,6-Dinitrotoluene	9.86	165	12824	8.543	ng	# 99
57) 2,4-Dinitrotoluene	9.86	165	12824	6.582	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.65	198	144	7.081	ng	# 18
67) 4-Bromophenyl-phenylether	10.65	248	7216	4.670	ng	# 1
77) Benzidine	12.92	184	8021	3.015	ng	# 94

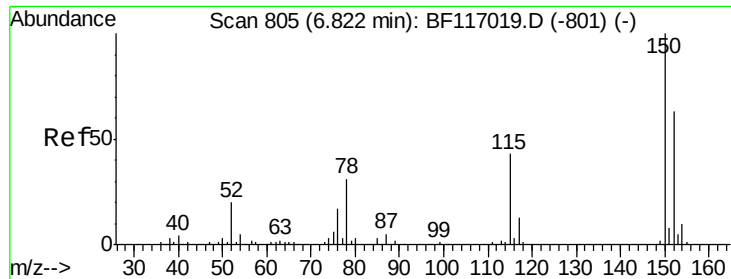
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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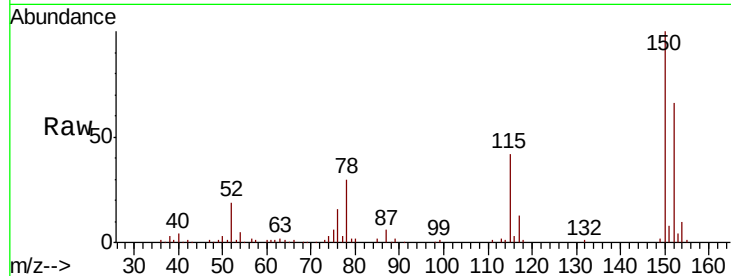


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: BF117082.D
 Acq: 17 Sep 2019 1:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	127.5	191.3
115	63.2	55.0	82.4

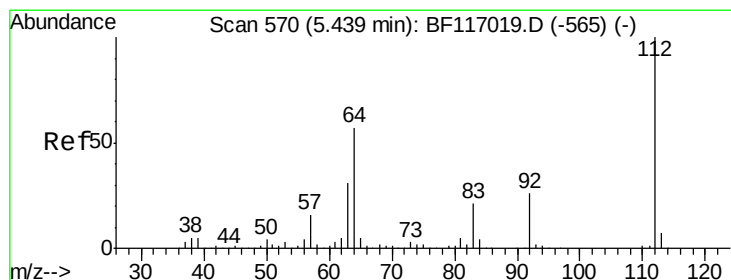
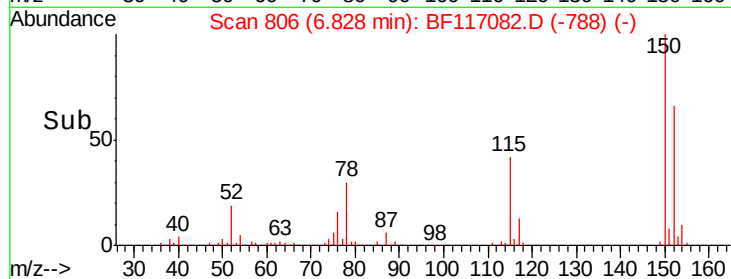
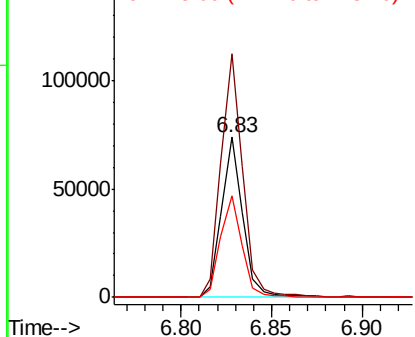


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

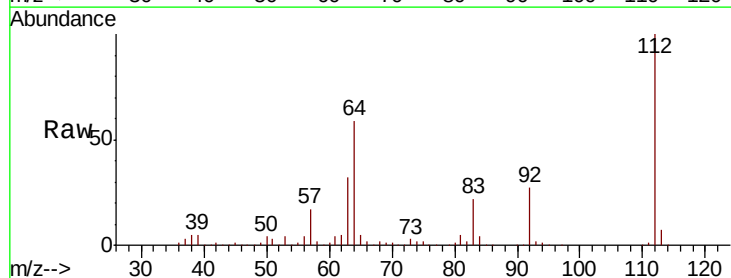
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 118.842 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.02 min
 Lab File: BF117082.D
 Acq: 17 Sep 2019 1:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	45.7	68.5
63	31.9	24.9	37.3

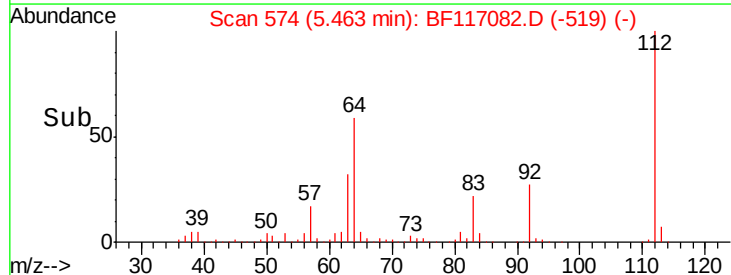
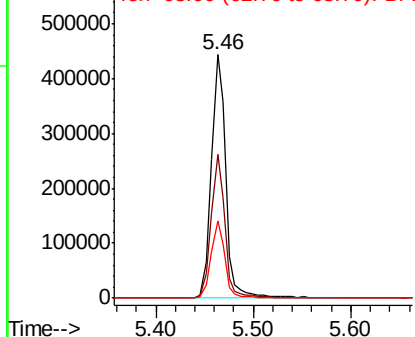


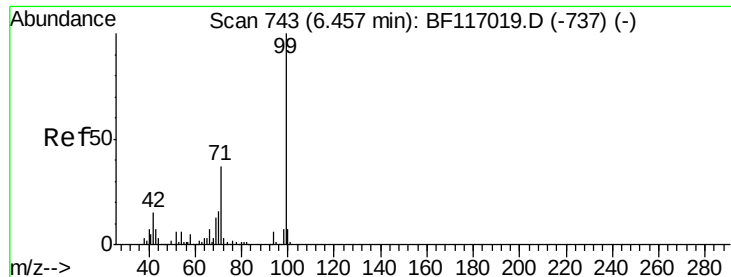
Abundance

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: 109.597 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117082.D

Acq: 17 Sep 2019 1:05

Instrument :

BNA_F

ClientSampleId :

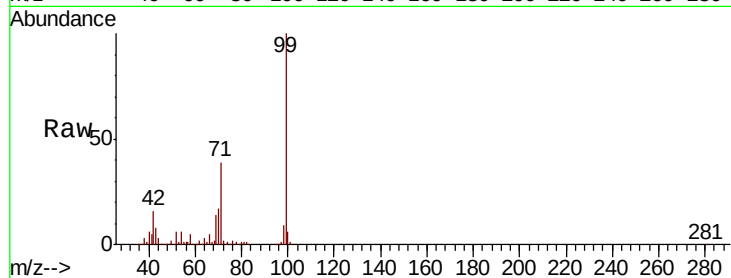
Tot Ion: 99 Resp: 545936

Ion Ratio Lower Upper

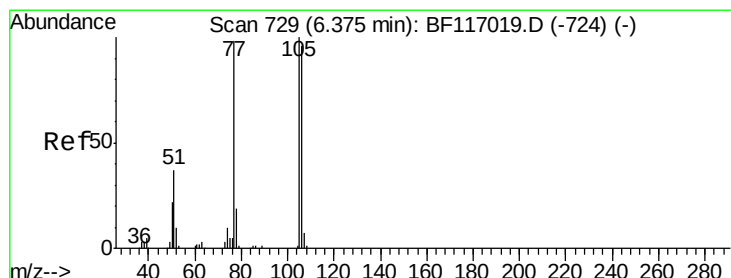
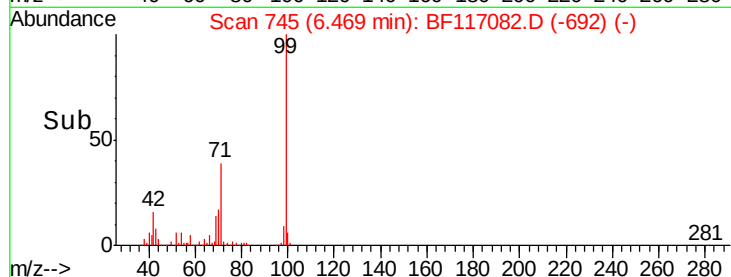
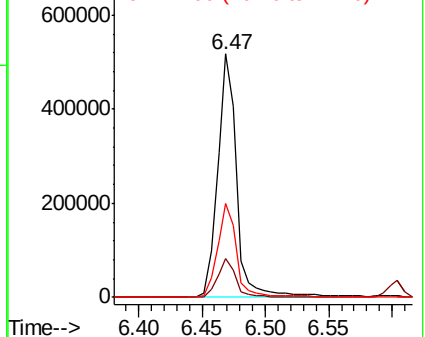
99 100

42 16.0 12.2 18.2

71 38.8 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: 6.47 min Scan# 745

Delta R.T. 0.10 min

Lab File: BF117082.D

Acq: 17 Sep 2019 1:05

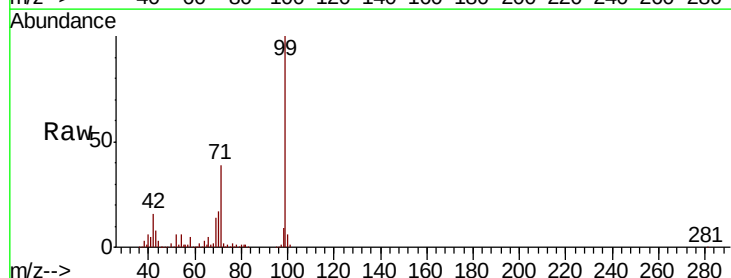
Tgt Ion: 77 Resp: 713

Ion Ratio Lower Upper

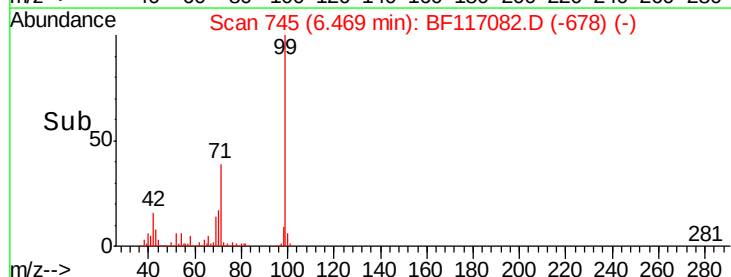
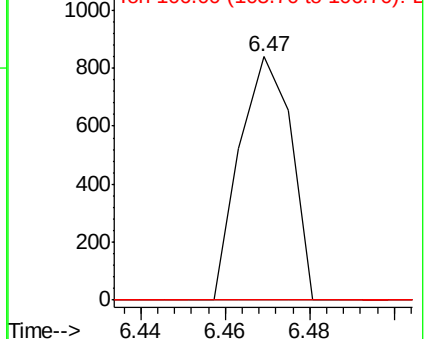
77 100

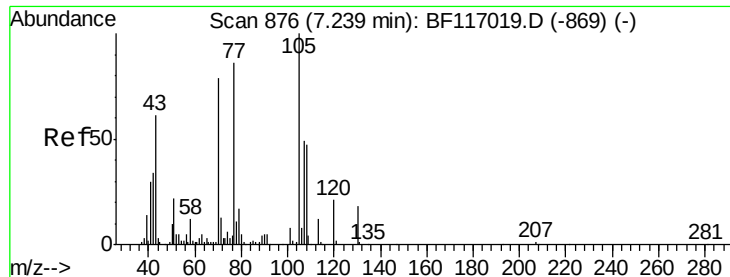
105 0.0 81.8 121.8#

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

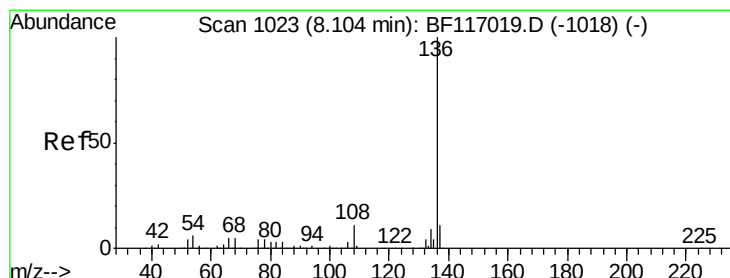
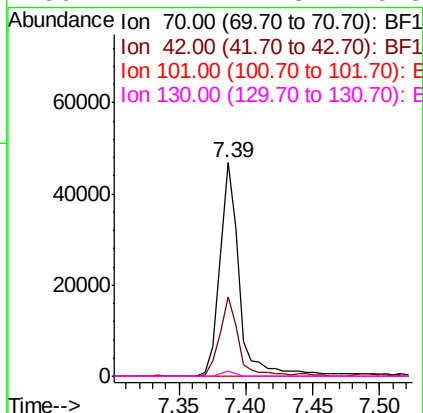
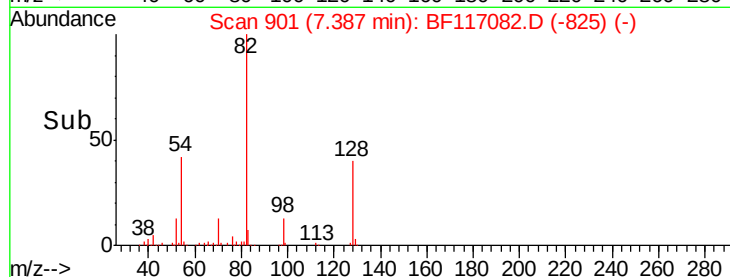
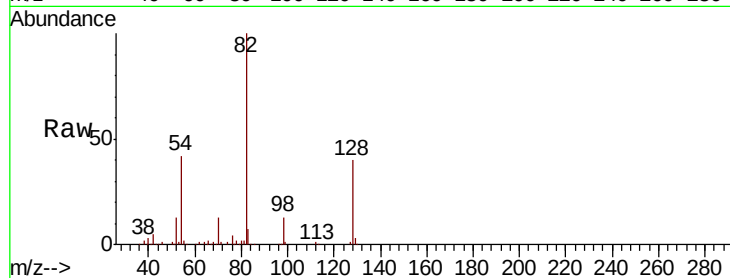




#19
n-Nitroso-di-n-propylamine
Concen: 15.974 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117082.D
Acq: 17 Sep 2019 1:05

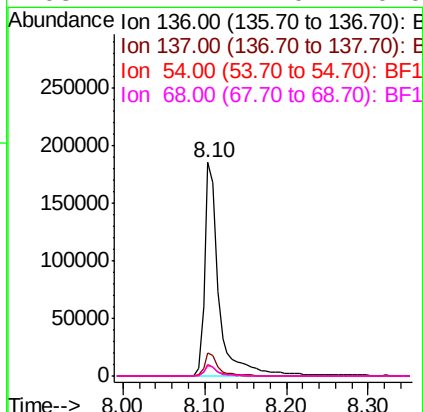
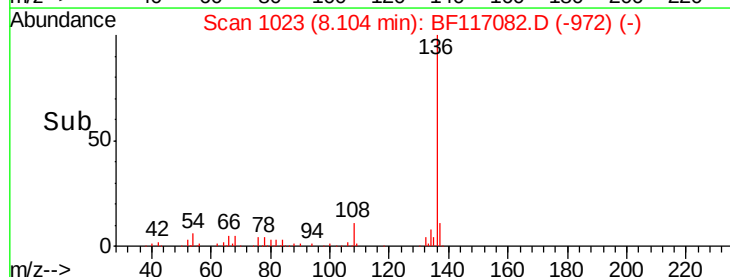
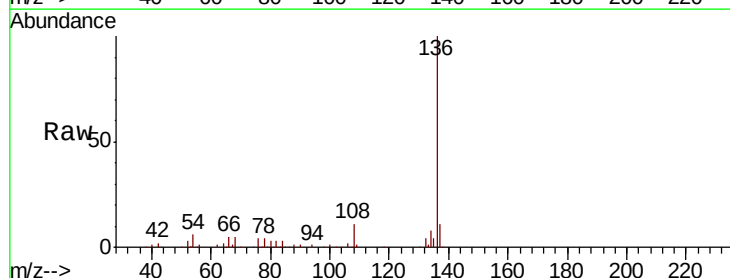
Instrument :
BNA_F
ClientSampleId :

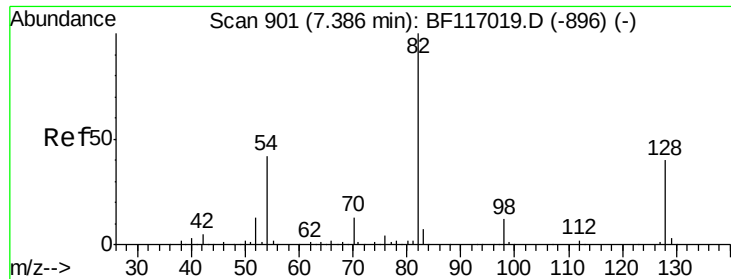
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	37.1	34.0	51.0	
101	0.0	7.8	11.6	#
130	2.1	17.8	26.8	#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117082.D
Acq: 17 Sep 2019 1:05

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.8	9.0	13.4	
54	5.6	4.5	6.7	
68	4.7	4.0	6.0	

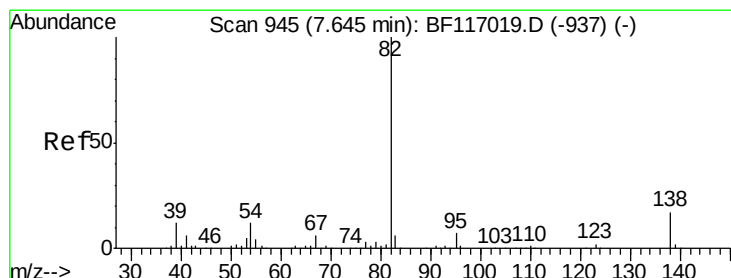
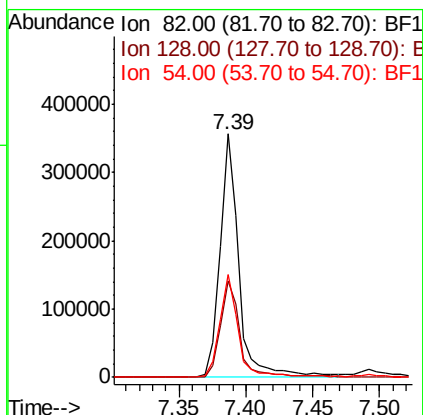
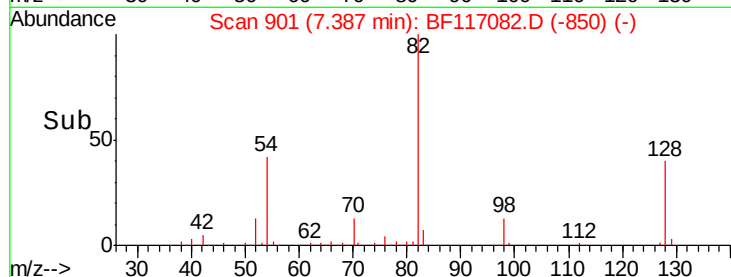
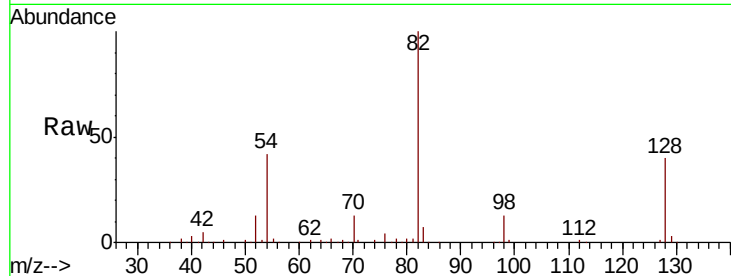




#23
 Nitrobenzene-d5
 Concen: 82.591 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117082.D
 Acq: 17 Sep 2019 1:05

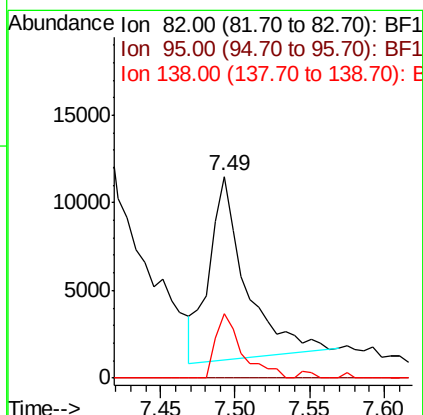
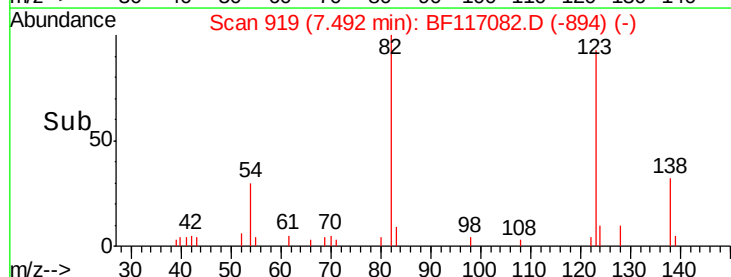
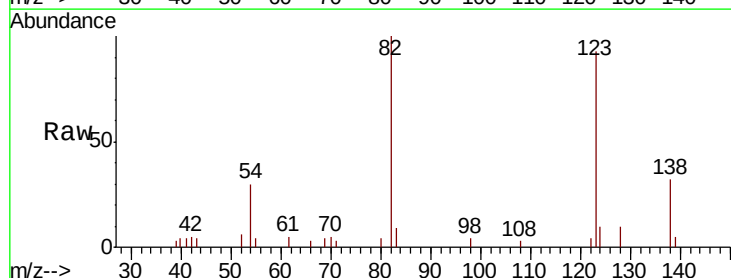
Instrument :
 BNA_F
 ClientSampled :

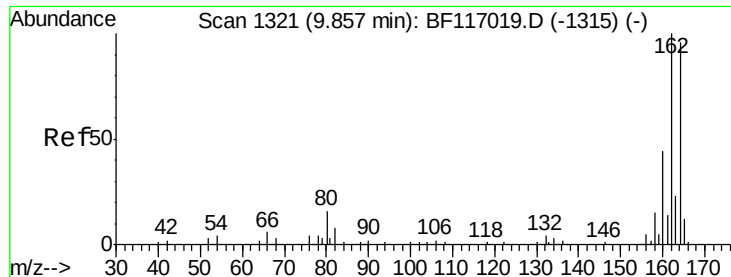
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.7	32.3	48.5
54	42.1	33.3	49.9



#25
 Isophorone
 Concen: 2.336 ng
 RT: 7.49 min Scan# 919
 Delta R.T. -0.15 min
 Lab File: BF117082.D
 Acq: 17 Sep 2019 1:05

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	32.1	13.5	20.3#

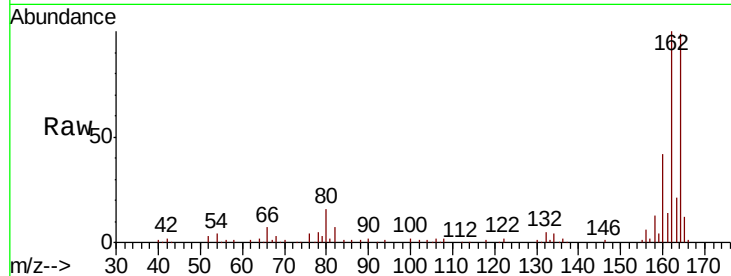




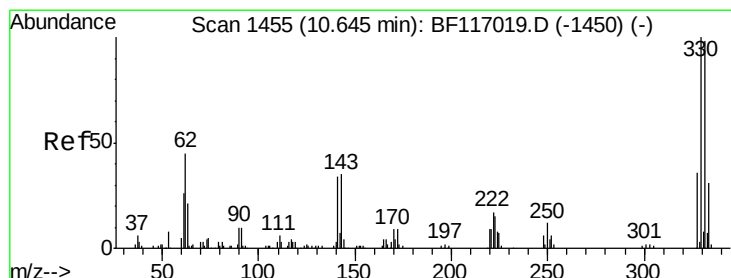
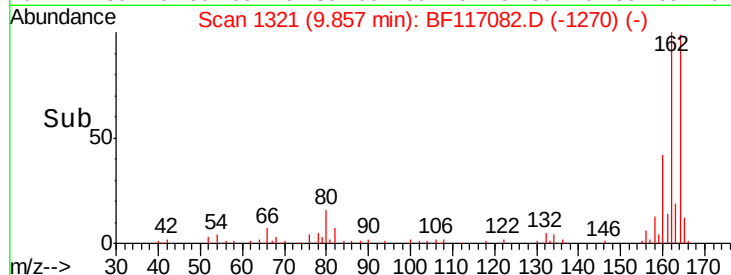
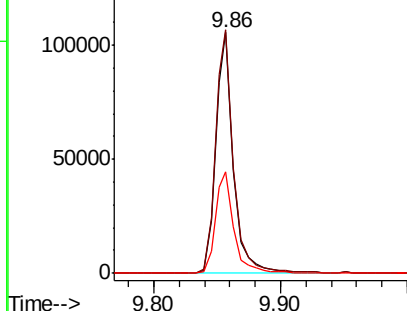
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: BF117082.D
 Acq: 17 Sep 2019 1:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 104092
 Ion Ratio Lower Upper
 164 100
 162 101.2 83.4 125.2
 160 42.3 36.4 54.6

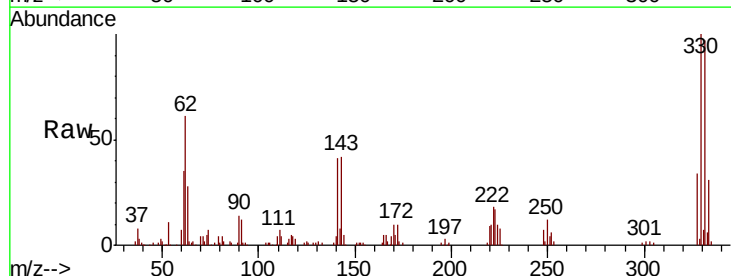


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

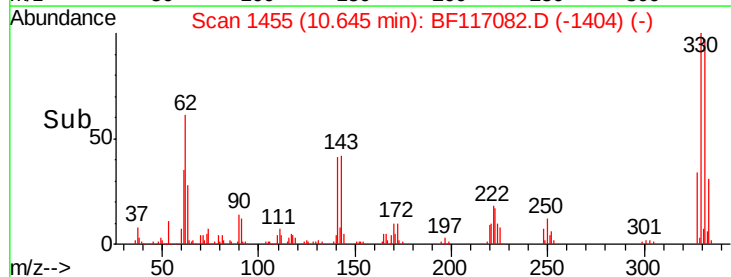
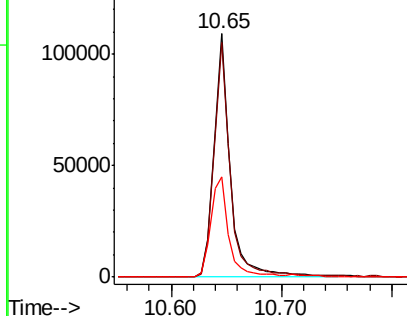


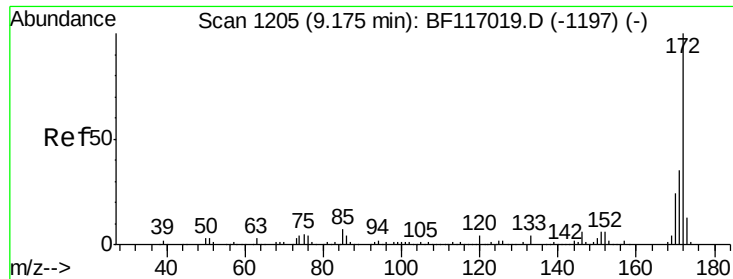
#42
 2,4,6-Tribromophenol
 Concen: 128.737 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF117082.D
 Acq: 17 Sep 2019 1:05

Tgt Ion:330 Resp: 111997
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.0 117.0
 141 46.2 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

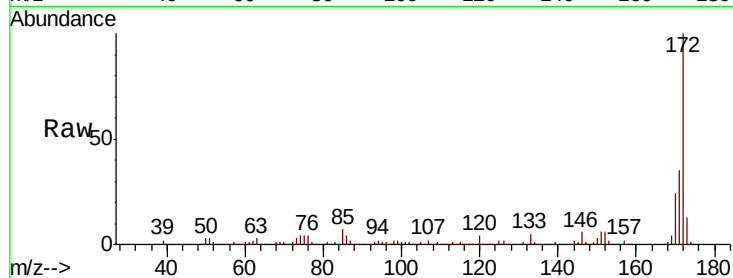




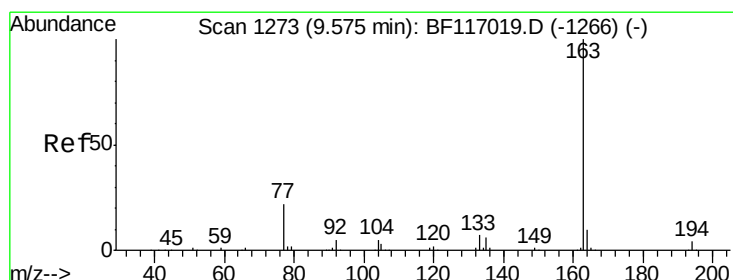
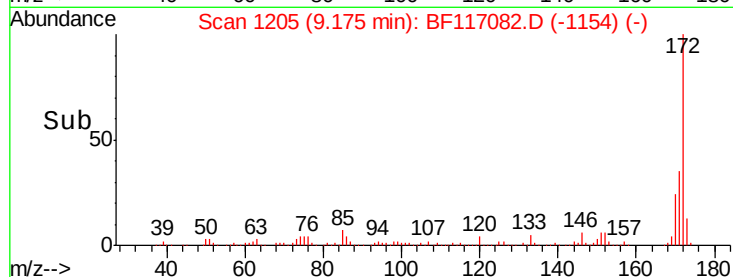
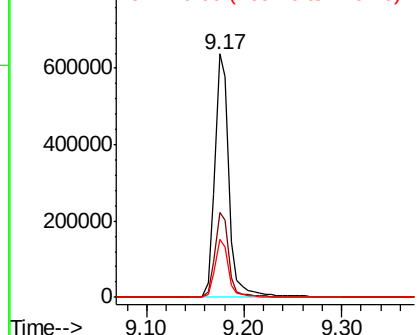
#45
2-Fluorobiphenyl
Concen: 97.567 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117082.D
Acq: 17 Sep 2019 1:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 649535
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.7 18.9 28.3

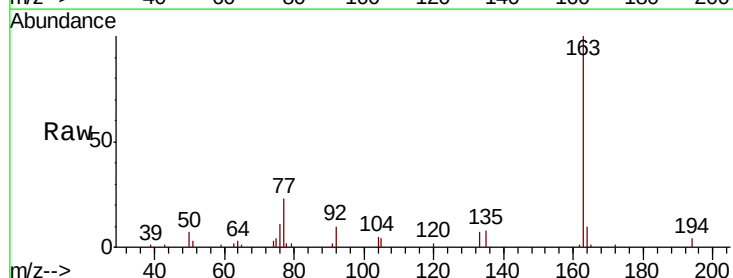


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

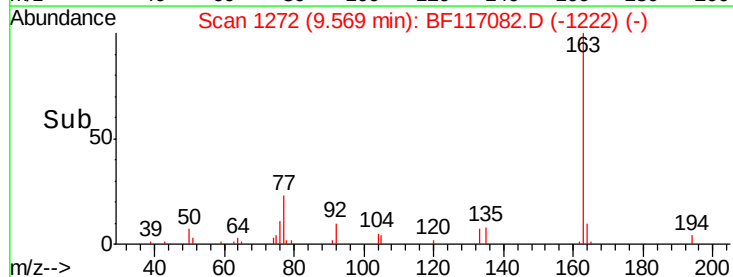
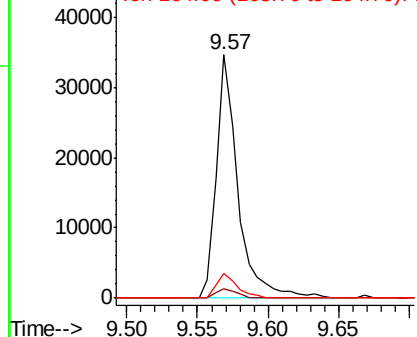


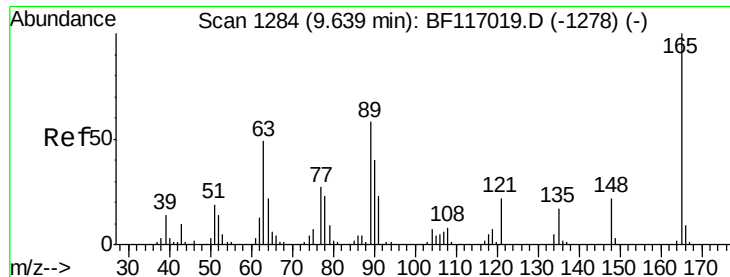
#50
Dimethylphthalate
Concen: 4.999 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117082.D
Acq: 17 Sep 2019 1:05

Tgt Ion:163 Resp: 36847
Ion Ratio Lower Upper
163 100
194 4.0 2.9 4.3
164 10.1 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

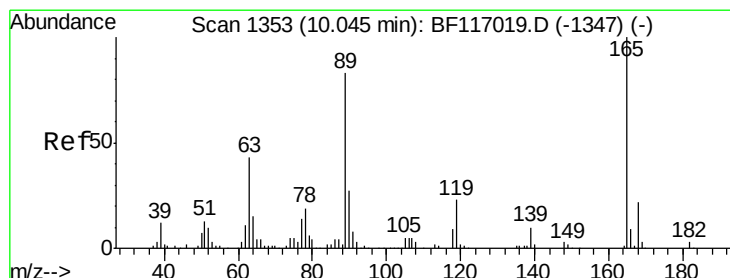
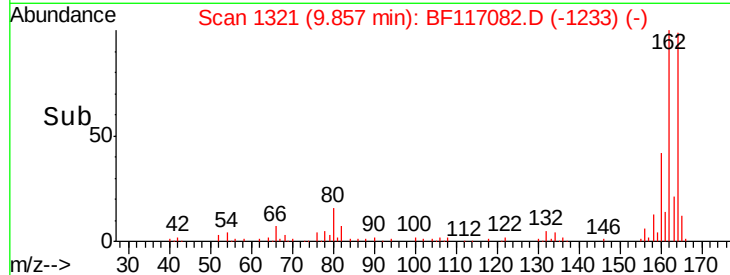
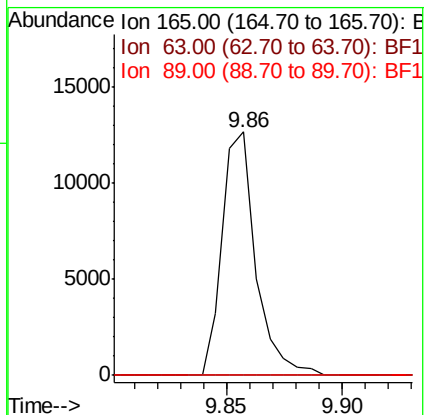
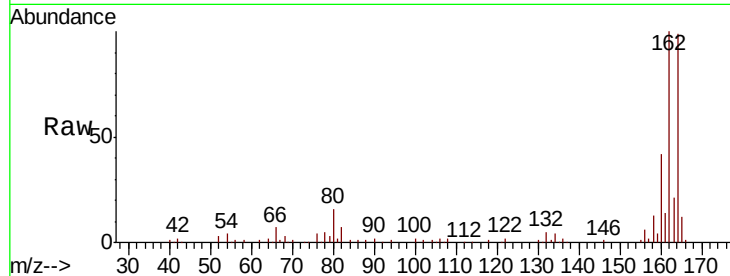




#51
 2,6-Dinitrotoluene
 Concen: 8.543 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.22 min
 Lab File: BF117082.D
 Acq: 17 Sep 2019 1:05

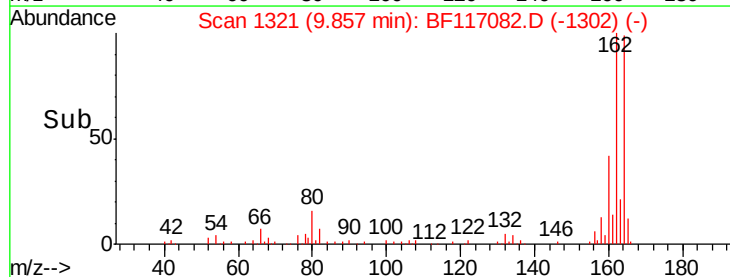
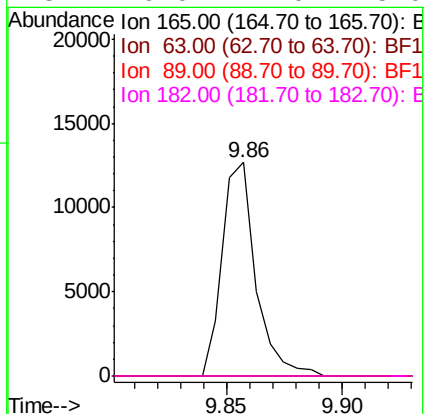
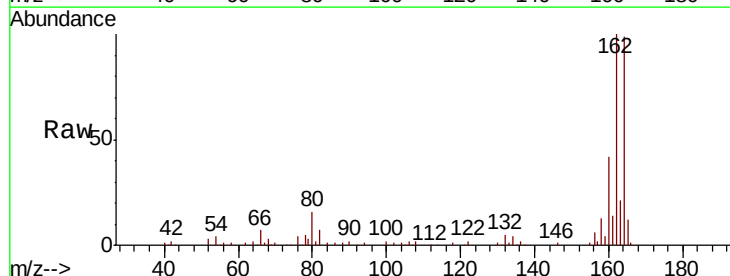
Instrument :
 BNA_F
 ClientSampleId :

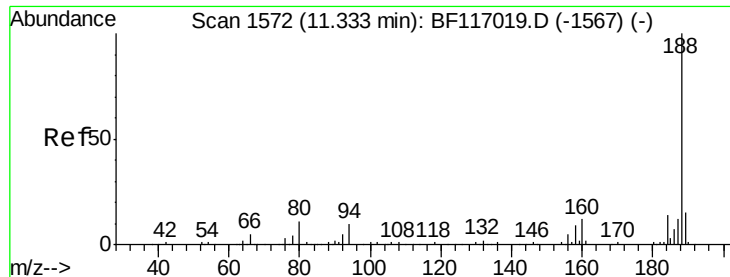
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.582 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.19 min
 Lab File: BF117082.D
 Acq: 17 Sep 2019 1:05

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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF117082.D

Acq: 17 Sep 2019 1:05

Instrument :

BNA_F

ClientSampleId :

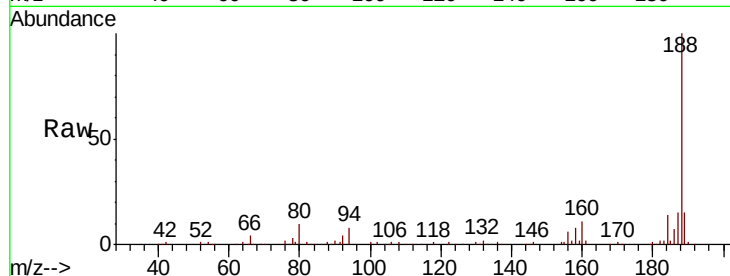
Tot Ion:188 Resp: 151290

Ion Ratio Lower Upper

188 100

94 8.2 8.2 12.2

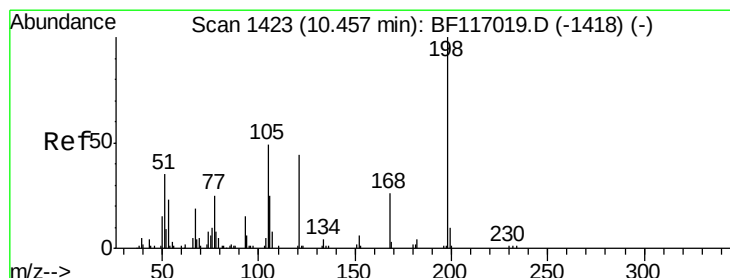
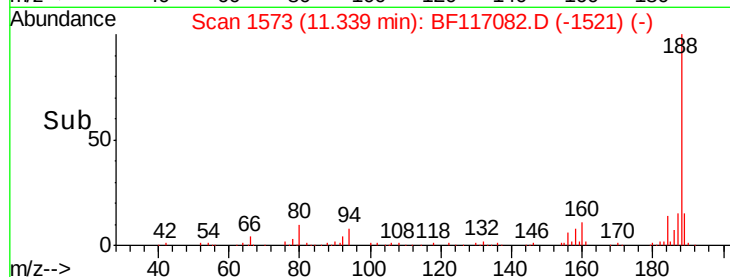
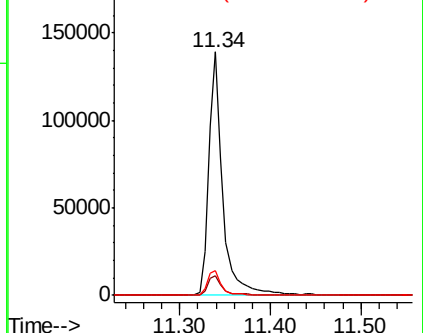
80 10.0 9.0 13.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.081 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF117082.D

Acq: 17 Sep 2019 1:05

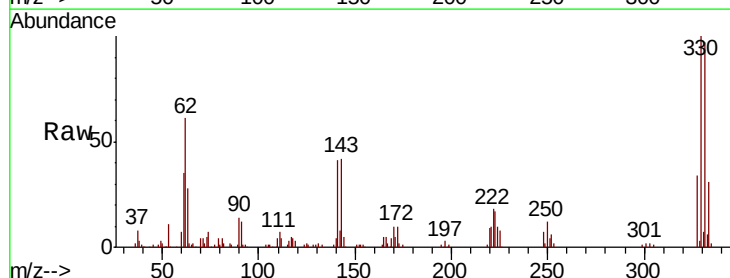
Tgt Ion:198 Resp: 144

Ion Ratio Lower Upper

198 100

51 111.3 18.7 58.7#

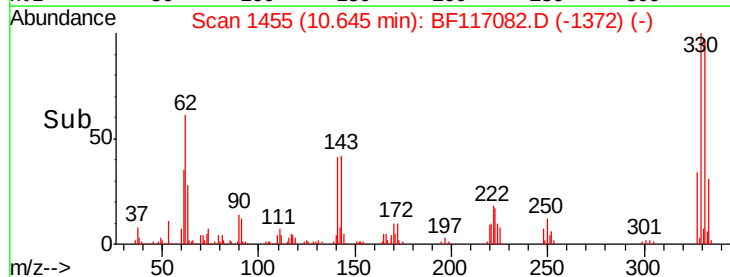
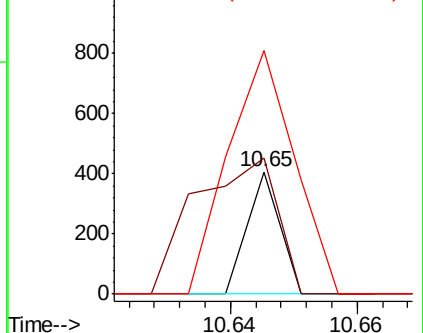
105 198.8 30.2 70.2#

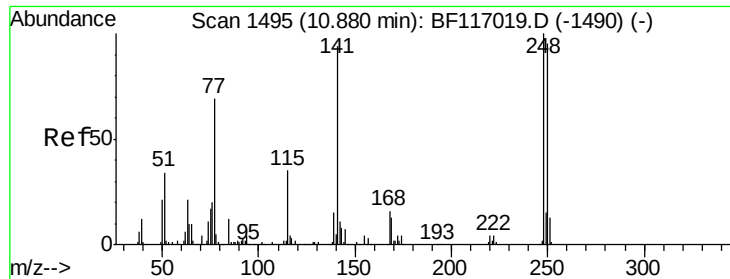


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

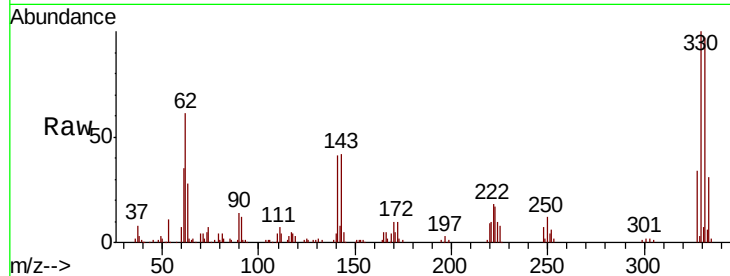




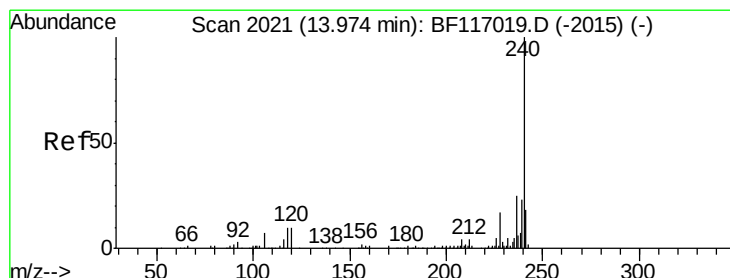
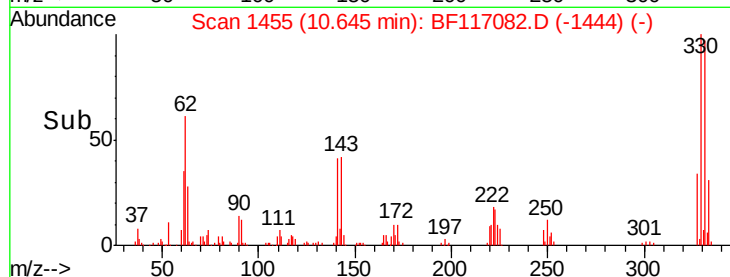
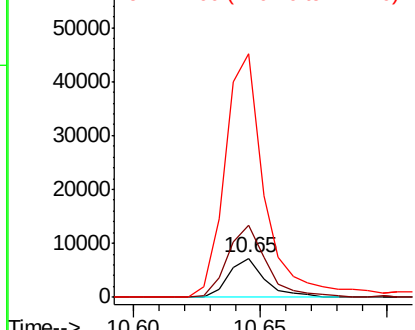
#67
4-Bromophenyl-phenylether
Concen: 4.670 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF117082.D
Acq: 17 Sep 2019 1:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7216
Ion Ratio Lower Upper
248 100
250 184.3 76.2 114.4#
141 617.8 75.0 112.4#

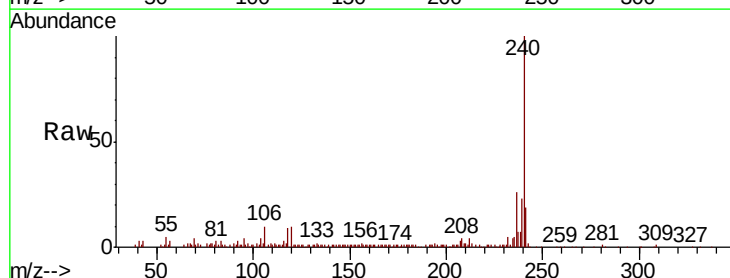


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

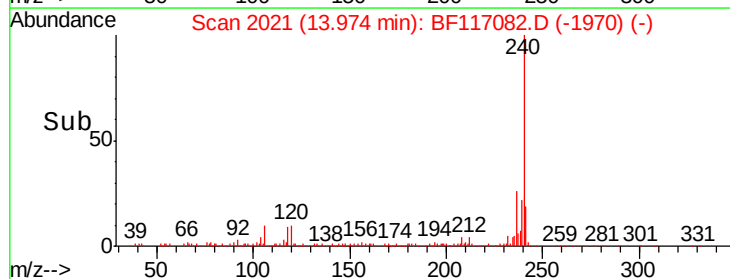
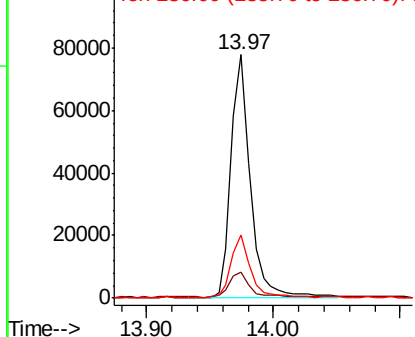


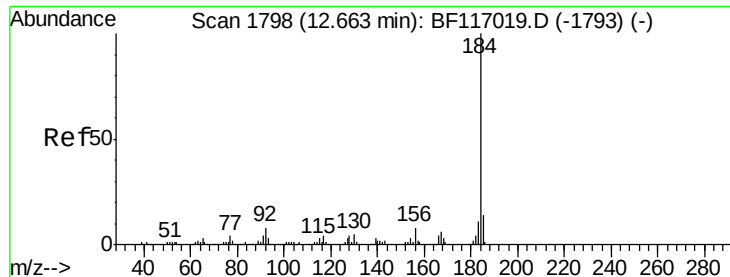
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117082.D
Acq: 17 Sep 2019 1:05

Tgt Ion:240 Resp: 82584
Ion Ratio Lower Upper
240 100
120 10.4 8.3 12.5
236 25.7 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: 3.015 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117082.D

Acq: 17 Sep 2019 1:05

Instrument :

BNA_F

ClientSampled :

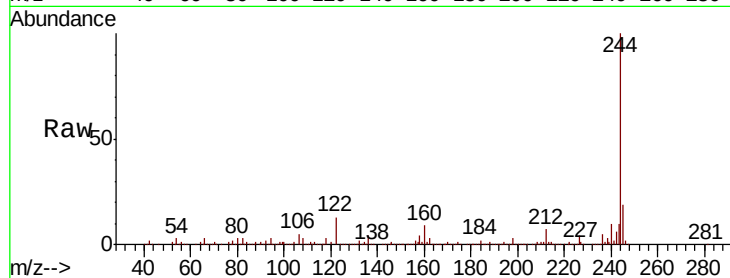
Tot Ion:184 Resp: 8021

Ion Ratio Lower Upper

184 100

185 19.0 11.6 17.4#

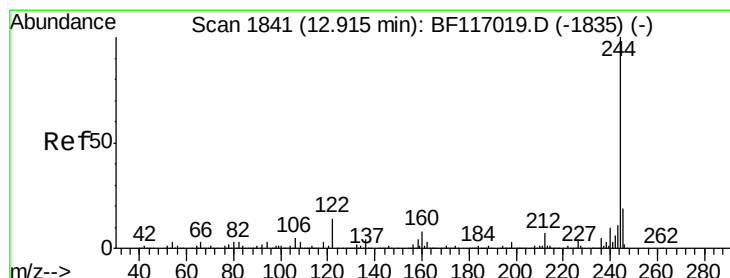
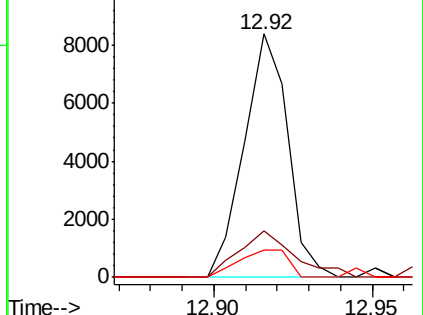
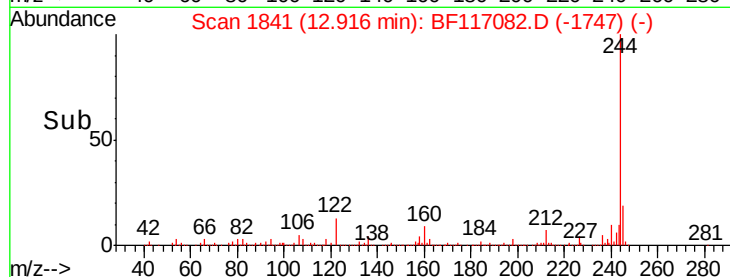
183 11.4 9.0 13.4



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: 120.777 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117082.D

Acq: 17 Sep 2019 1:05

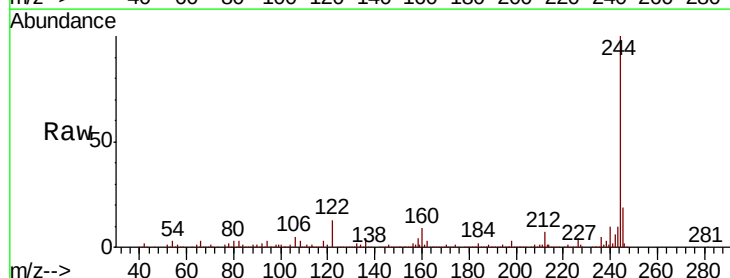
Tgt Ion:244 Resp: 533602

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

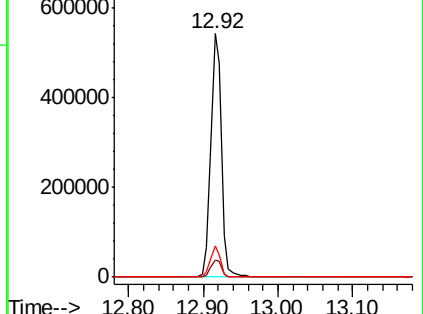
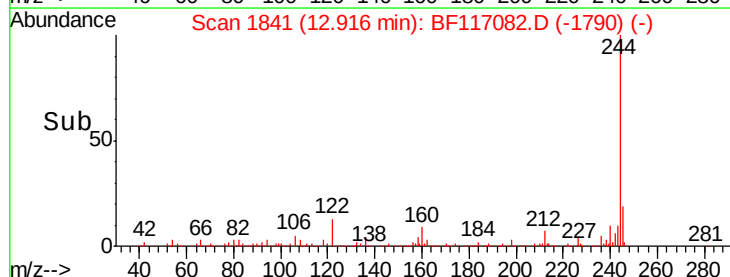
122 12.8 11.3 16.9

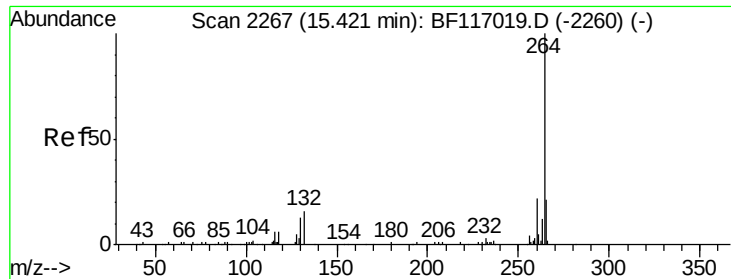


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF117082.D
Acq: 17 Sep 2019 1:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.6	26.4
265	23.9	16.6	24.8

