

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117086.D
 Acq On : 17 Sep 2019 2:51
 Operator : HP/JU
 Sample : K4863-18
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:18:56 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

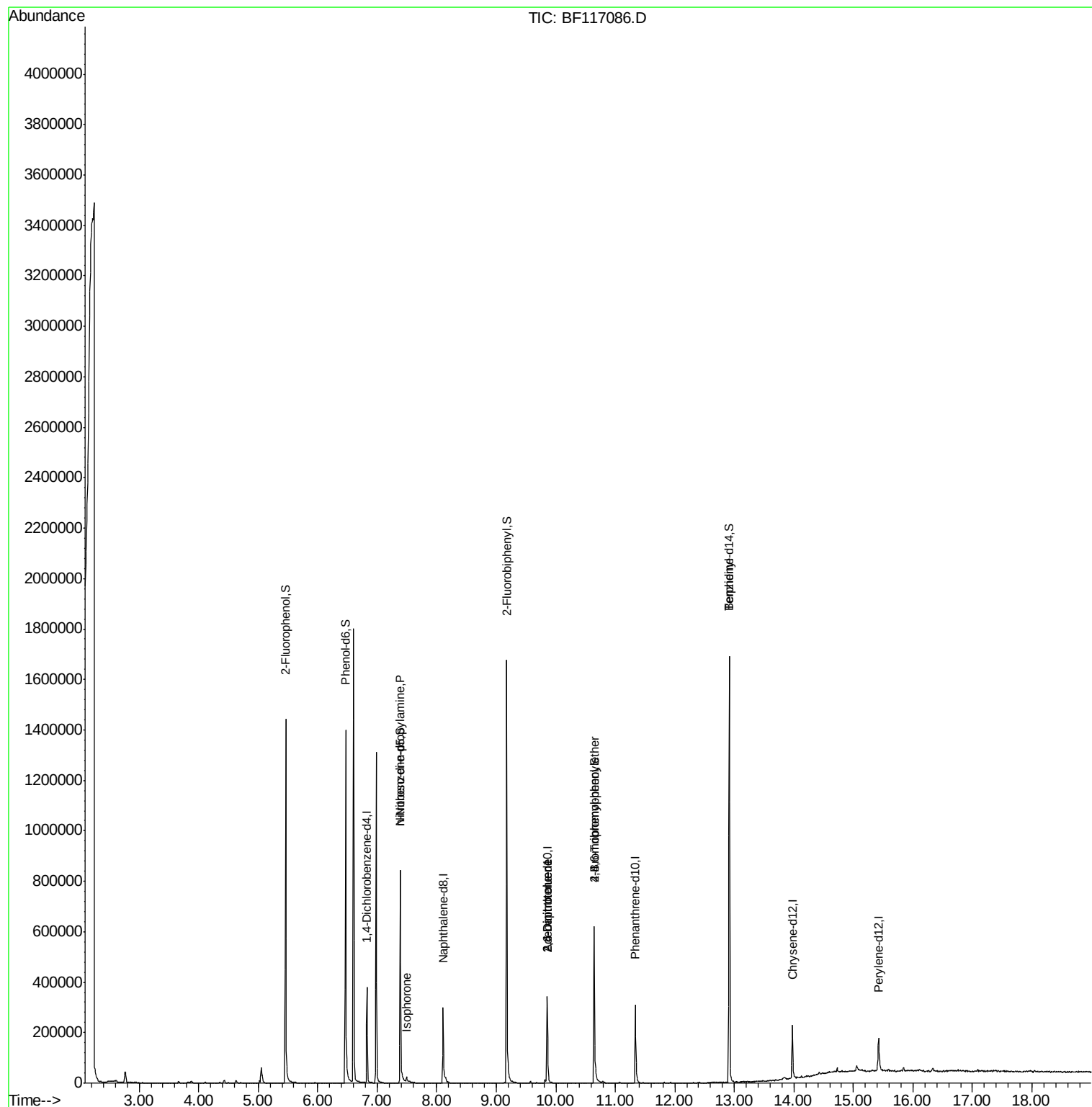
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	55832	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	199765	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	91364	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	147412	20.00	ng	0.00
76) Chrysene-d12	13.97	240	84983	20.00	ng	0.00
87) Perylene-d12	15.42	264	69303	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	422921	118.26	ng	0.02
7) Phenol-d6	6.47	99	501637	108.54	ng	0.01
23) Nitrobenzene-d5	7.39	82	321832	84.65	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	95157	124.62	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	567790	97.17	ng	0.00
79) Terphenyl-d14	12.92	244	555360	122.15	ng	0.00
Target Compounds						
9) Benzaldehyde	6.47	77	887	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.39	70	41860	14.874	ng	# 79
25) Isophorone	7.49	82	18853	2.801	ng	# 77
51) 2,6-Dinitrotoluene	9.86	165	11454	8.694	ng	# 24
57) 2,4-Dinitrotoluene	9.86	165	11454	6.697	ng	# 18
67) 4-Bromophenyl-phenylether	10.65	248	5723	3.802	ng	# 1
77) Benizidine	12.92	184	7897	2.885	ng	# 95

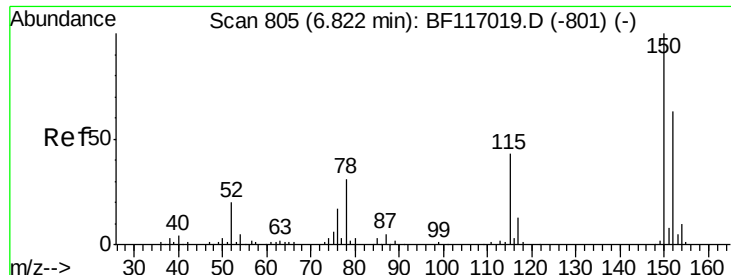
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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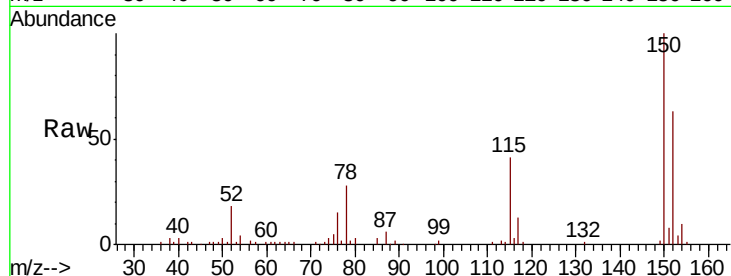


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117086.D
Acq: 17 Sep 2019 2:51

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	127.5	191.3
115	65.8	55.0	82.4

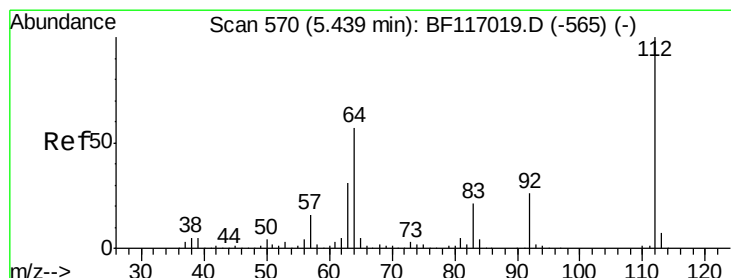
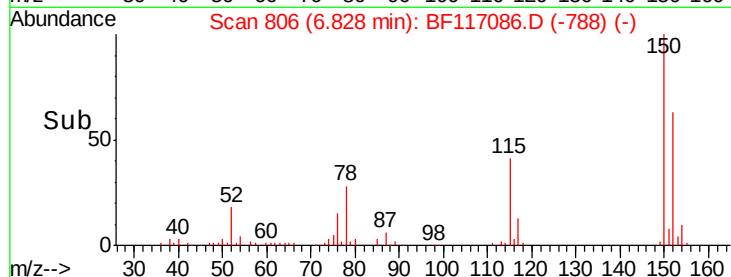
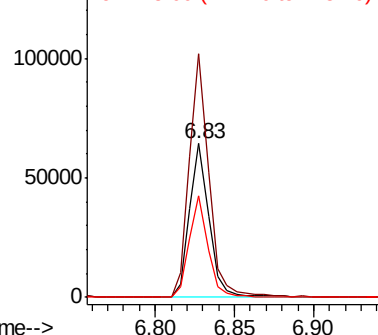


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

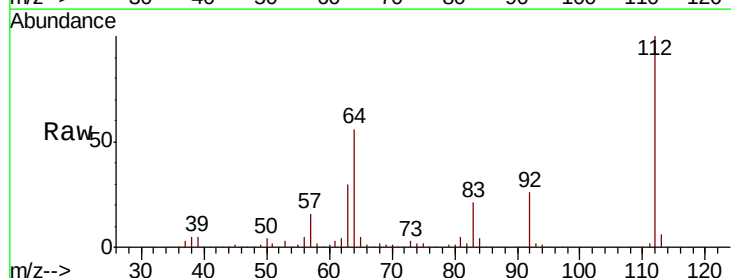
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 118.263 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.02 min
Lab File: BF117086.D
Acq: 17 Sep 2019 2:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.7	68.5
63	30.2	24.9	37.3

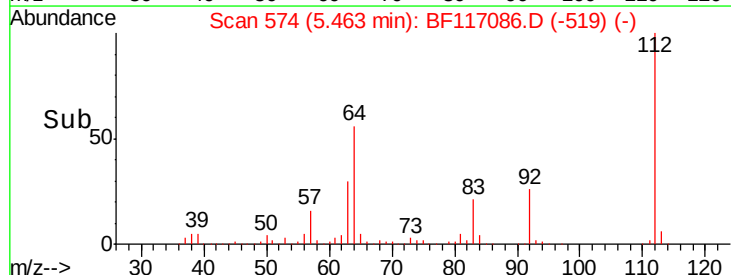
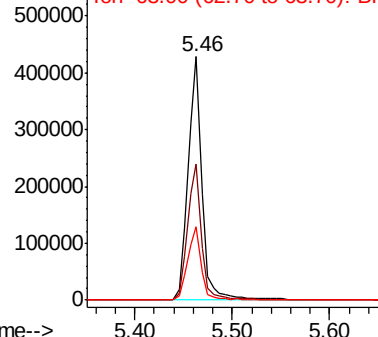


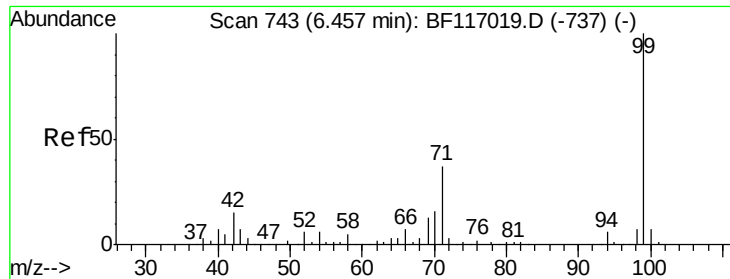
Abundance

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: 108.541 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117086.D

Acq: 17 Sep 2019 2:51

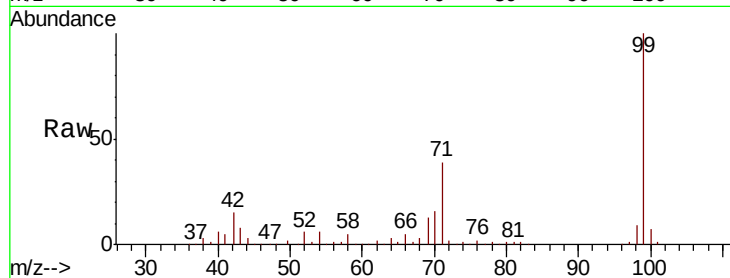
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 501637

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.2	18.2
71	39.4	29.8	44.8

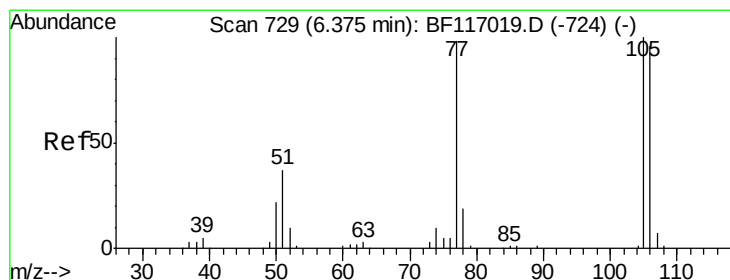
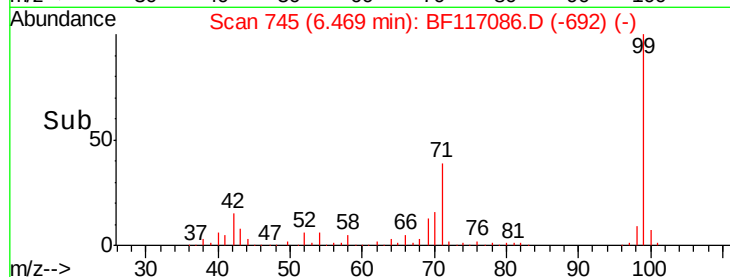
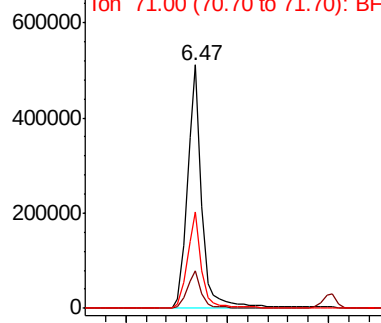


Abundance

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

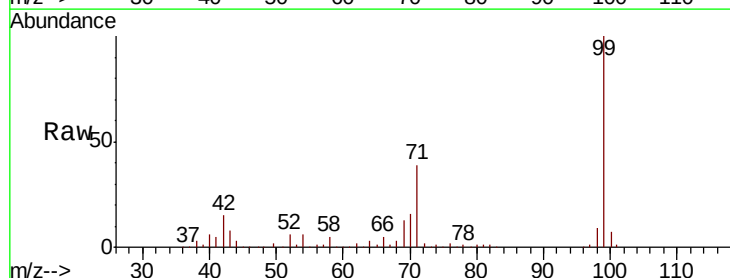
Delta R.T. 0.09 min

Lab File: BF117086.D

Acq: 17 Sep 2019 2:51

Tgt Ion: 77 Resp: 887

Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.8	121.8#
106	0.0	77.3	117.3#

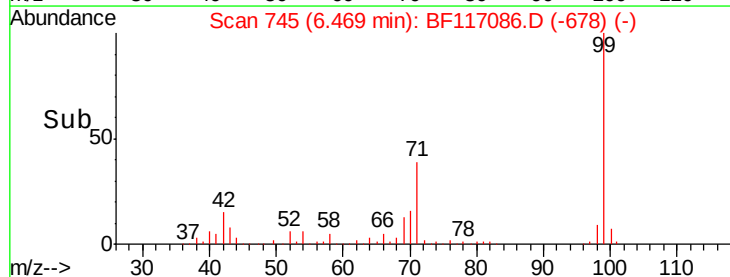
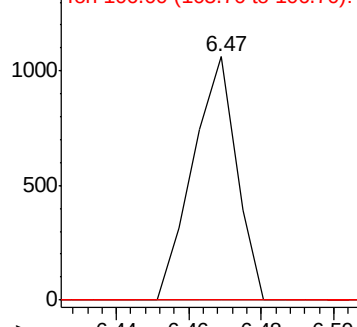


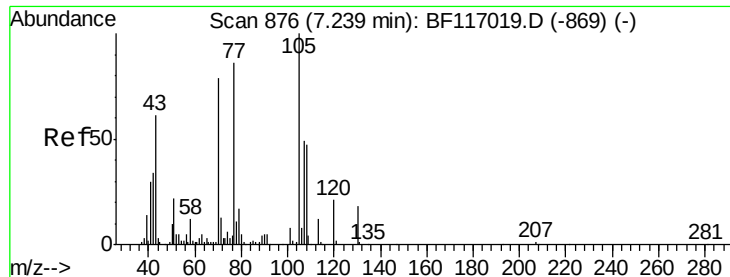
Abundance

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

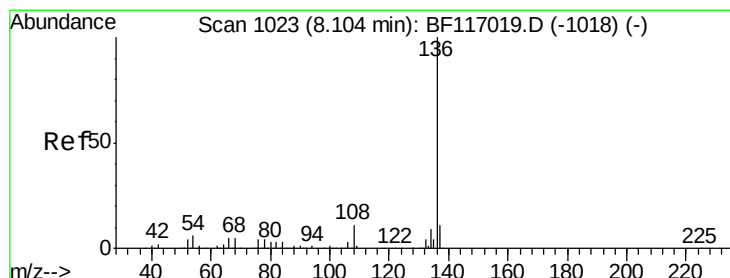
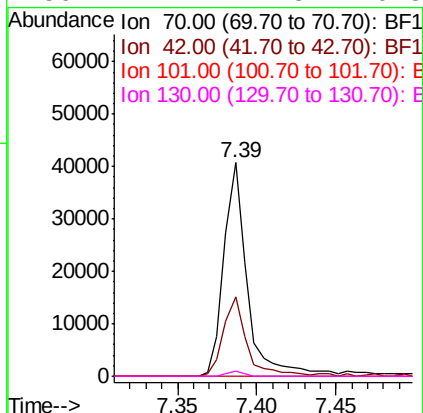
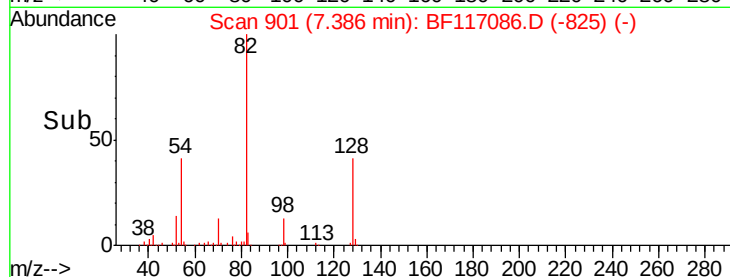
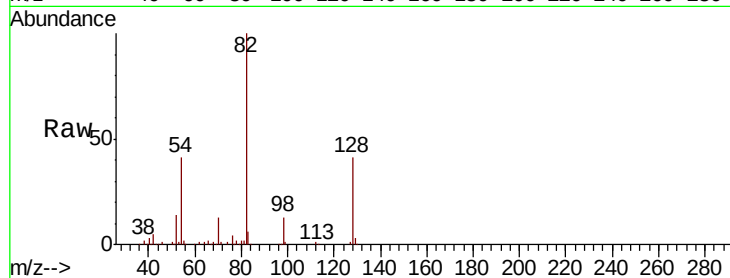




#19
n-Nitroso-di-n-propylamine
Concen: 14.874 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117086.D
Acq: 17 Sep 2019 2:51

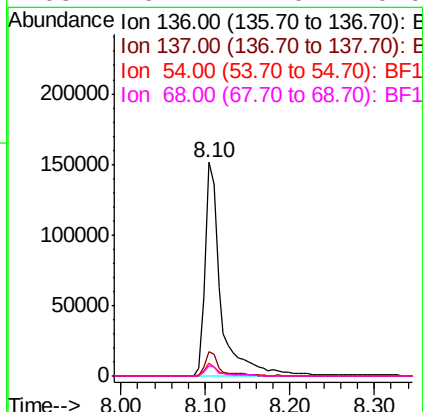
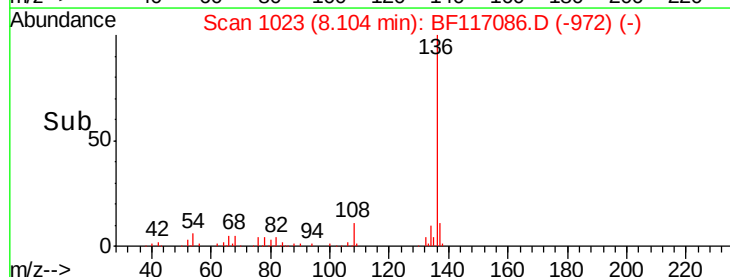
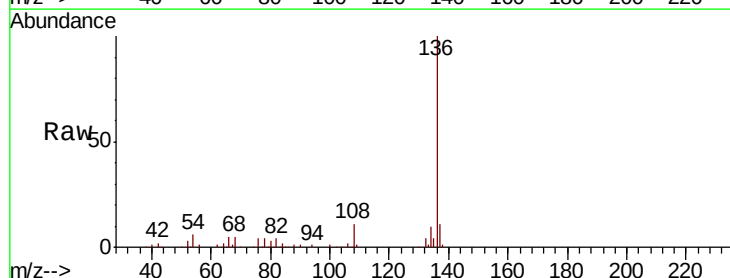
Instrument :
BNA_F
ClientSampleId :

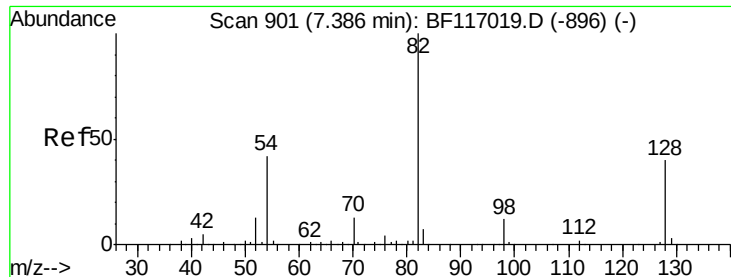
Tot Ion: 70 Resp: 41860
Ion Ratio Lower Upper
70 100
42 37.3 34.0 51.0
101 0.0 7.8 11.6#
130 2.1 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117086.D
Acq: 17 Sep 2019 2:51

Tgt Ion: 136 Resp: 199765
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.2 4.5 6.7
68 5.1 4.0 6.0

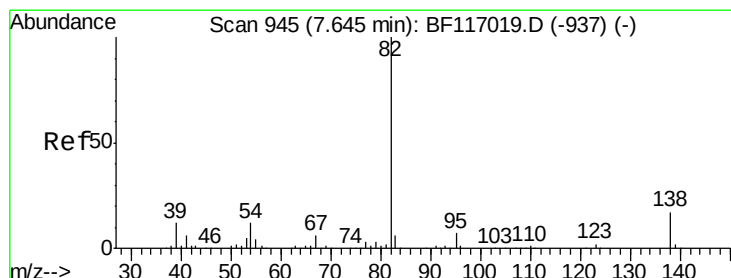
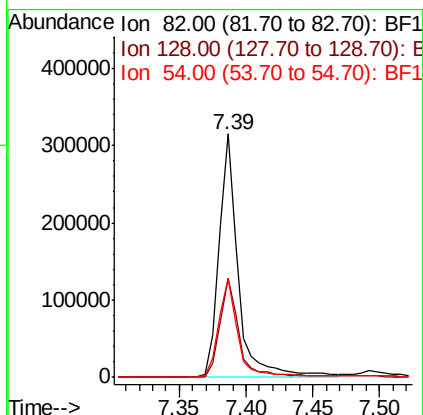
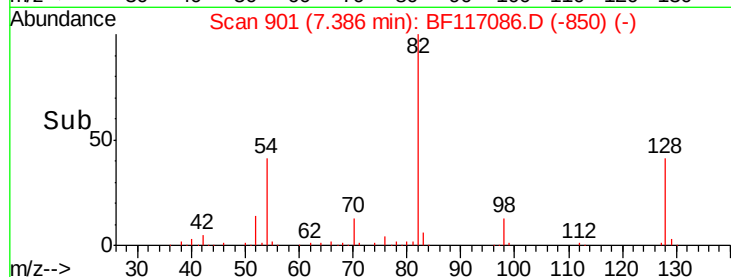
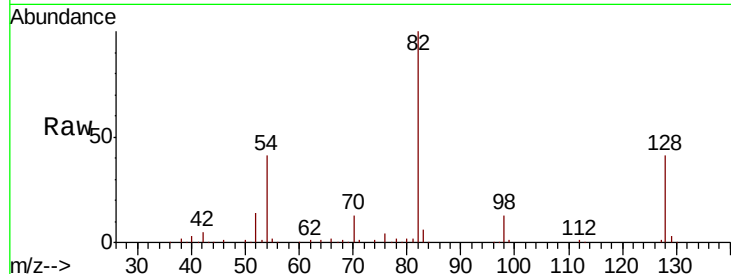




#23
Nitrobenzene-d5
Concen: 84.649 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117086.D
Acq: 17 Sep 2019 2:51

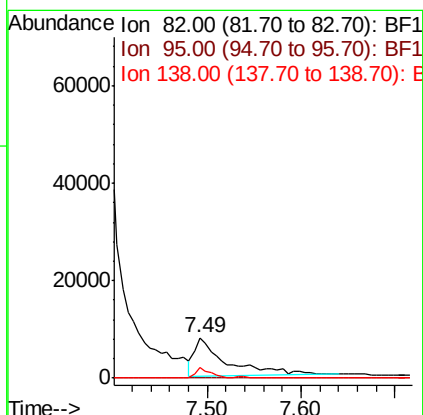
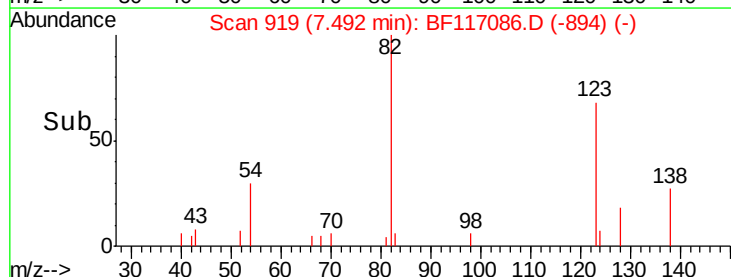
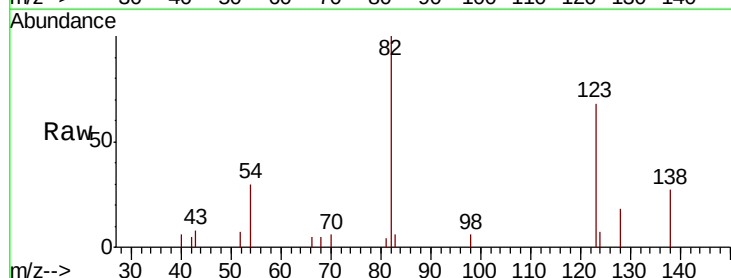
Instrument :
BNA_F
ClientSampleId :

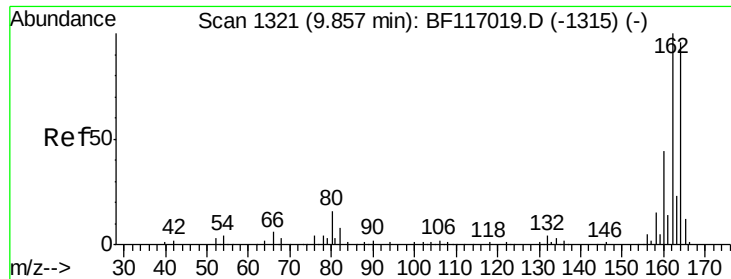
Tot Ion	82	Resp	321832
Ion Ratio	Lower	Upper	
82	100		
128	40.7	32.3	48.5
54	40.5	33.3	49.9



#25
Isophorone
Concen: 2.801 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.15 min
Lab File: BF117086.D
Acq: 17 Sep 2019 2:51

Tgt Ion	82	Resp	18853
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	27.2	13.5	20.3#

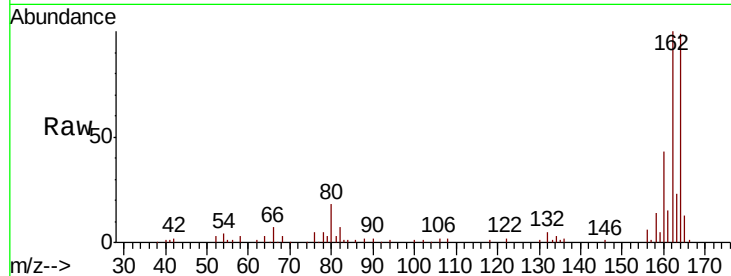




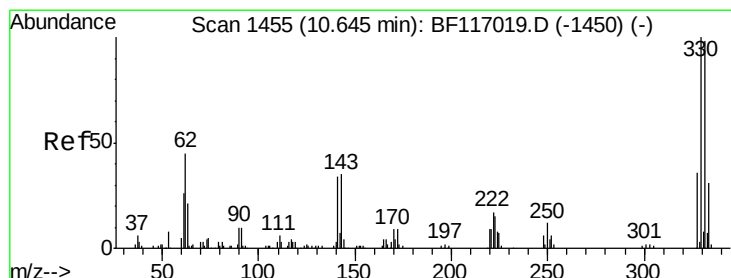
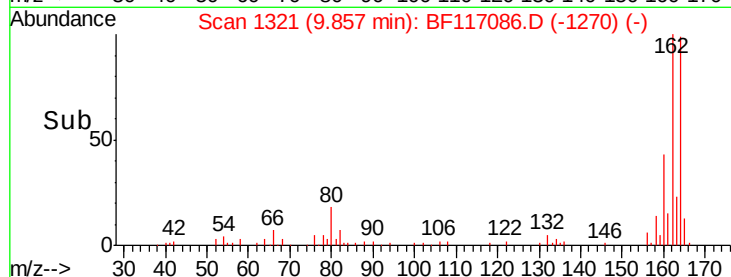
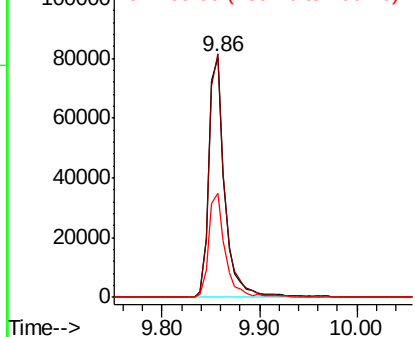
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BF117086.D
Acq: 17 Sep 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 91364
Ion Ratio Lower Upper
164 100
162 101.3 83.4 125.2
160 43.5 36.4 54.6

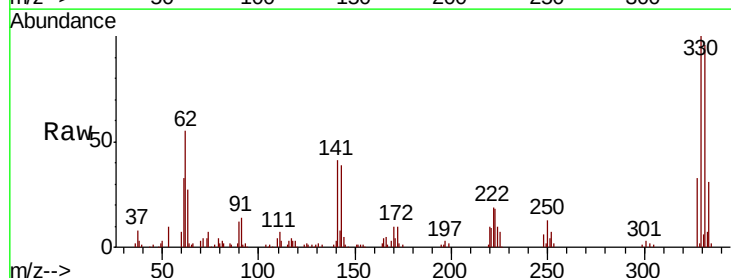


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

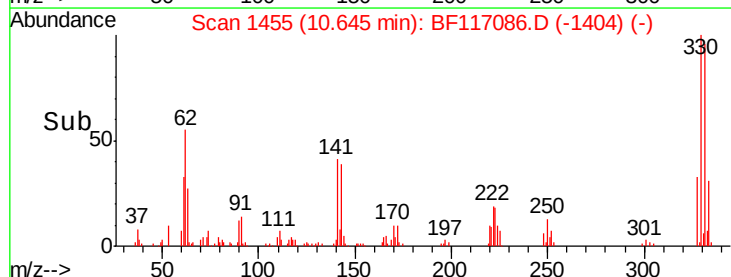
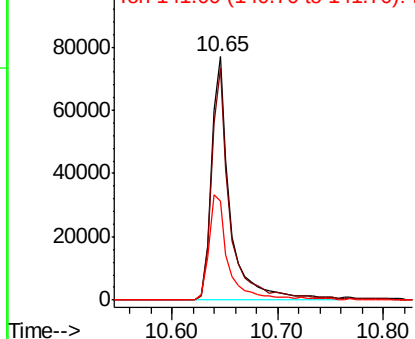


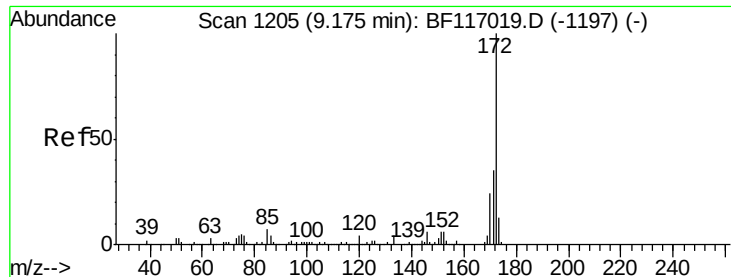
#42
2,4,6-Tribromophenol
Concen: 124.617 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF117086.D
Acq: 17 Sep 2019 2:51

Tgt Ion:330 Resp: 95157
Ion Ratio Lower Upper
330 100
332 95.5 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

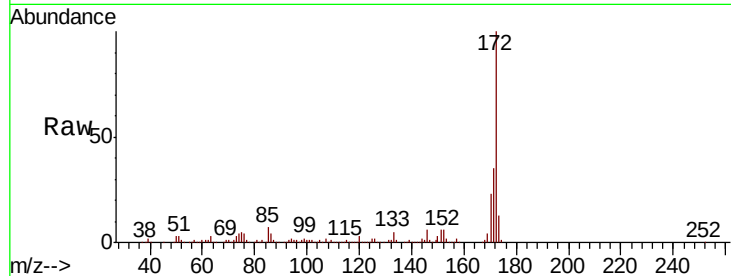




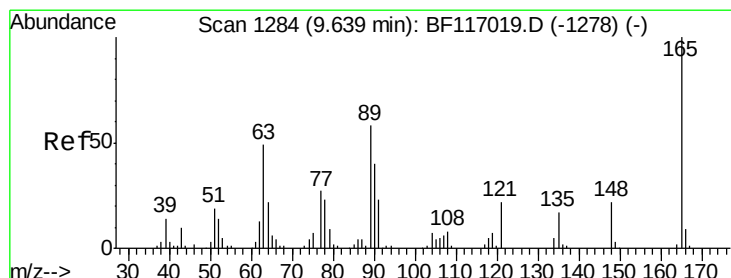
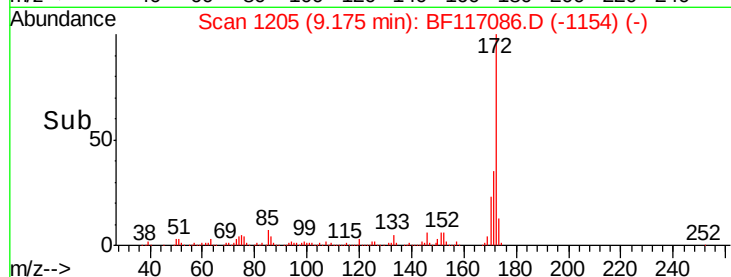
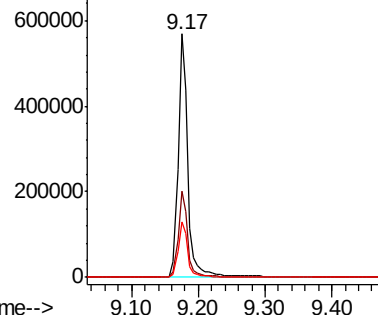
#45
 2-Fluorobiphenyl
 Concen: 97.170 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117086.D
 Acq: 17 Sep 2019 2:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	22.9	18.9	28.3

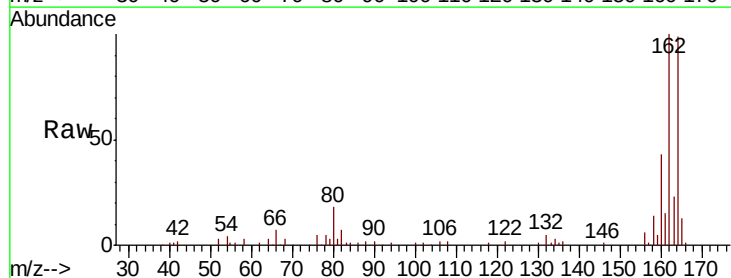


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

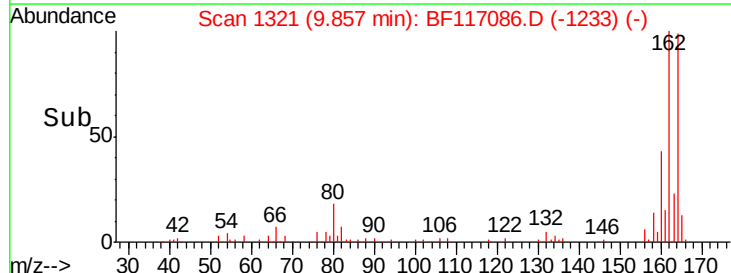
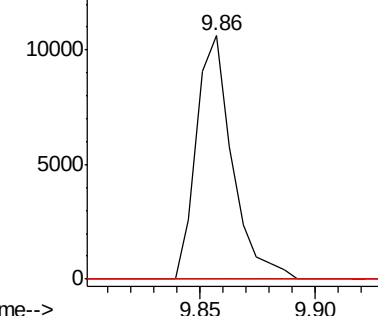


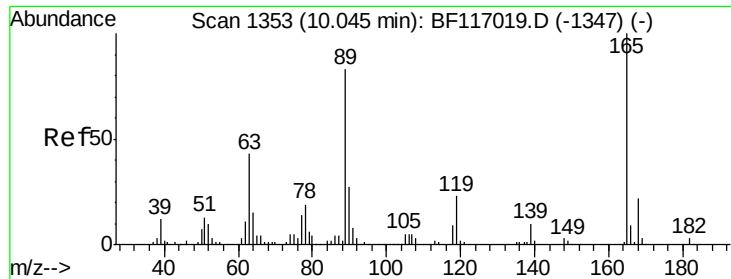
#51
 2,6-Dinitrotoluene
 Concen: 8.694 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.22 min
 Lab File: BF117086.D
 Acq: 17 Sep 2019 2:51

Tgt 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

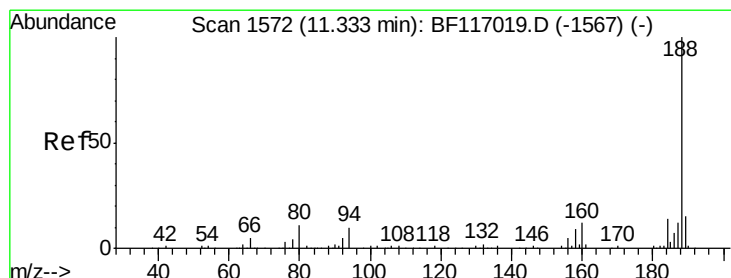
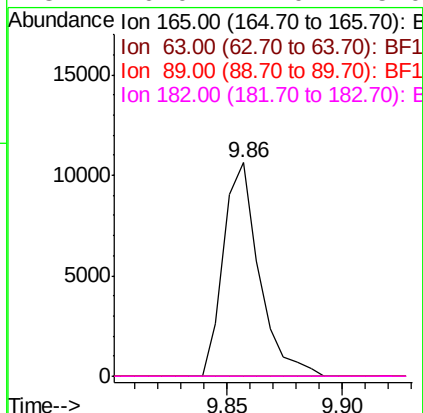
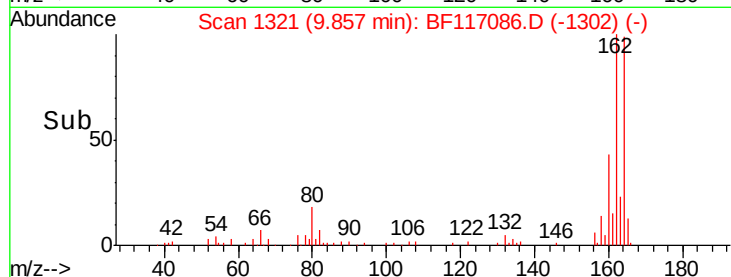
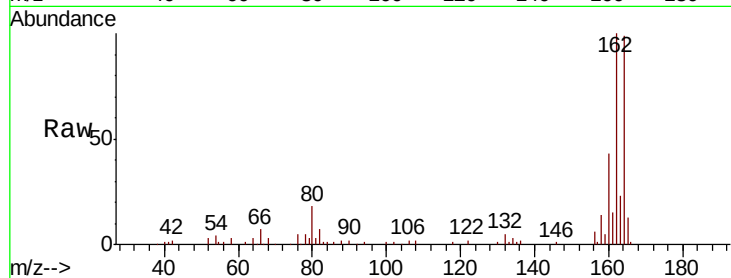




#57
 2,4-Dinitrotoluene
 Concen: 6.697 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.19 min
 Lab File: BF117086.D
 Acq: 17 Sep 2019 2:51

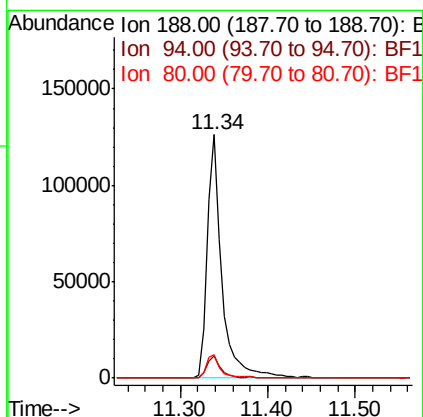
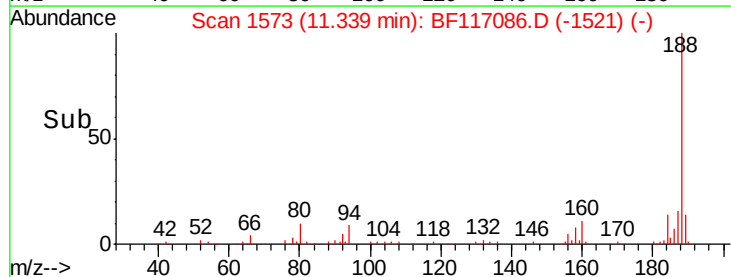
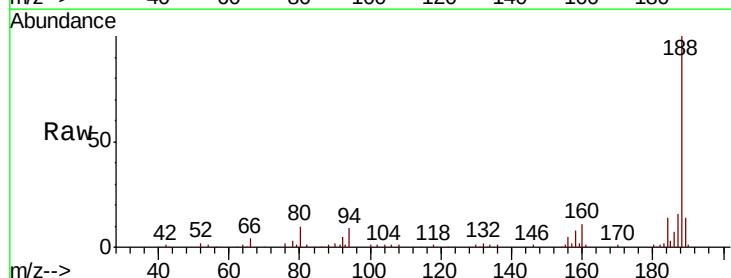
Instrument :
 BNA_F
 ClientSampleId :

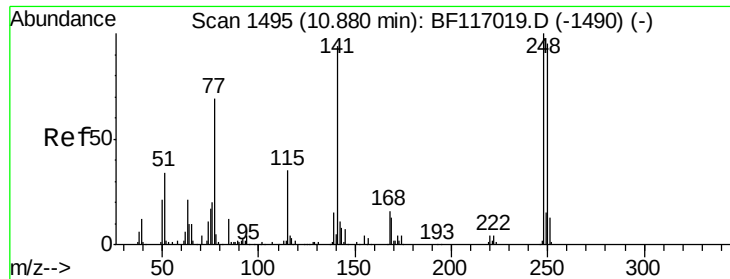
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF117086.D
 Acq: 17 Sep 2019 2:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.2	12.2
80	9.7	9.0	13.6

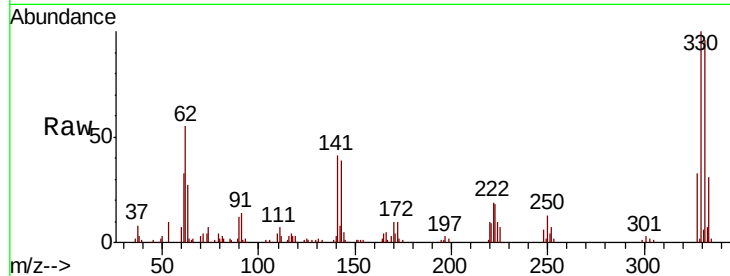




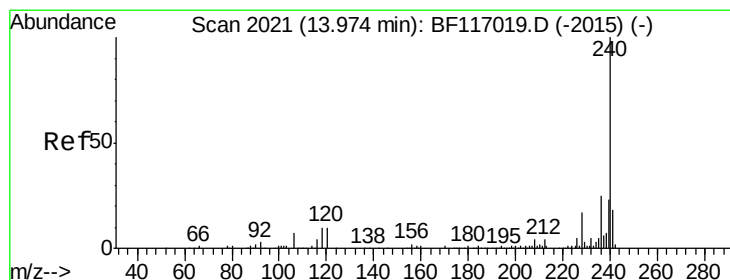
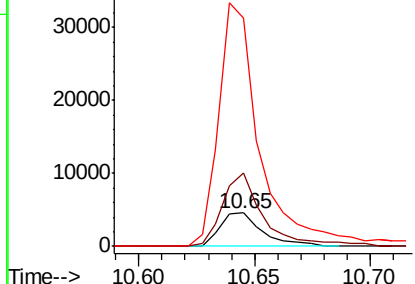
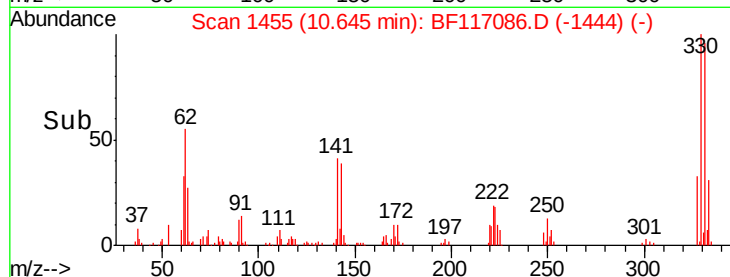
#67
4-Bromophenyl-phenylether
Concen: 3.802 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF117086.D
Acq: 17 Sep 2019 2:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 5723
Ion Ratio Lower Upper
248 100
250 220.3 76.2 114.4#
141 688.4 75.0 112.4#

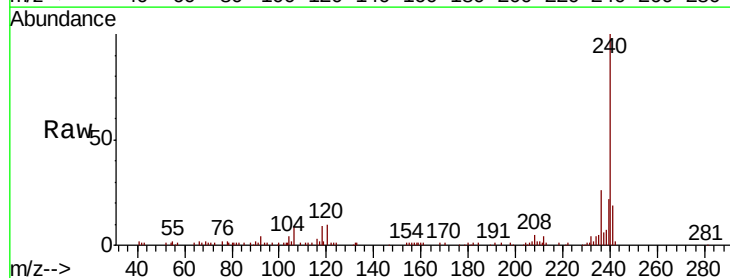


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

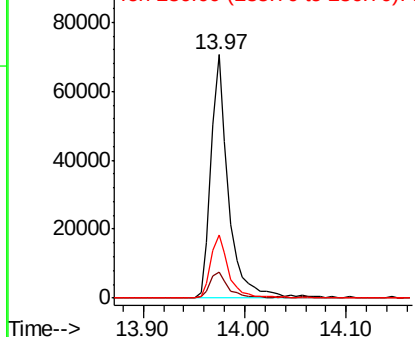
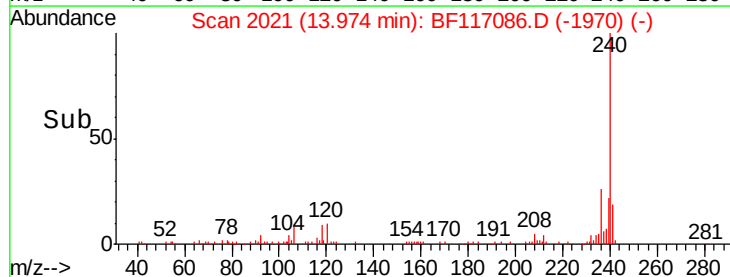


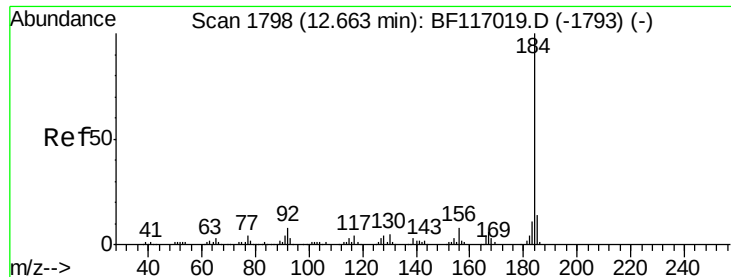
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117086.D
Acq: 17 Sep 2019 2:51

Tgt Ion:240 Resp: 84983
Ion Ratio Lower Upper
240 100
120 10.5 8.3 12.5
236 25.9 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: 2.885 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117086.D

Acq: 17 Sep 2019 2:51

Instrument :

BNA_F

ClientSampleId :

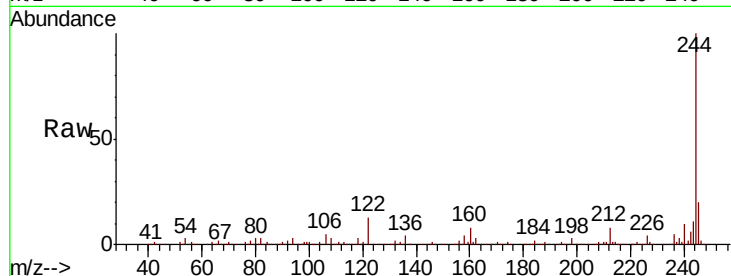
Tot Ion:184 Resp: 7897

Ion Ratio Lower Upper

184 100

185 15.9 11.6 17.4

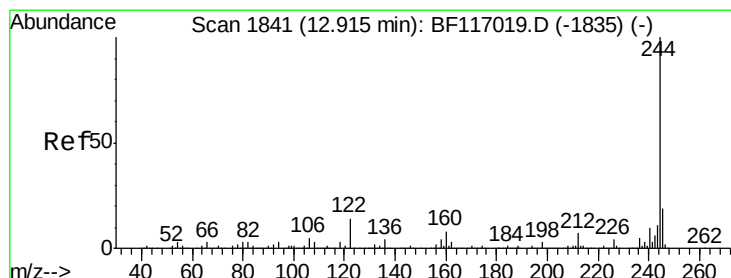
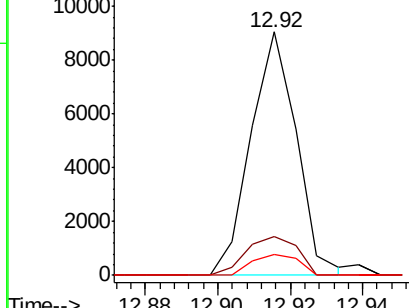
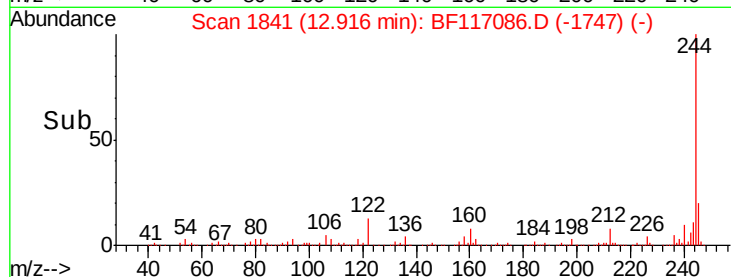
183 8.5 9.0 13.4#



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: 122.153 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117086.D

Acq: 17 Sep 2019 2:51

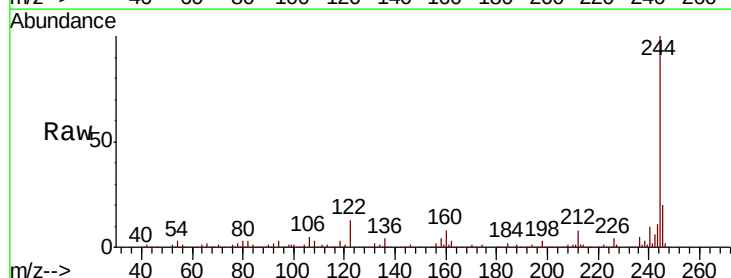
Tgt Ion:244 Resp: 555360

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

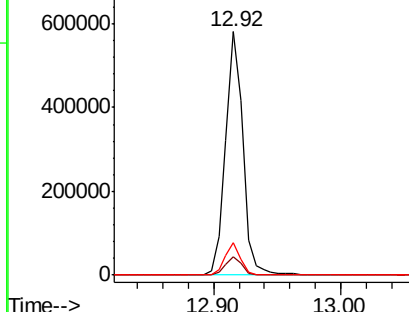
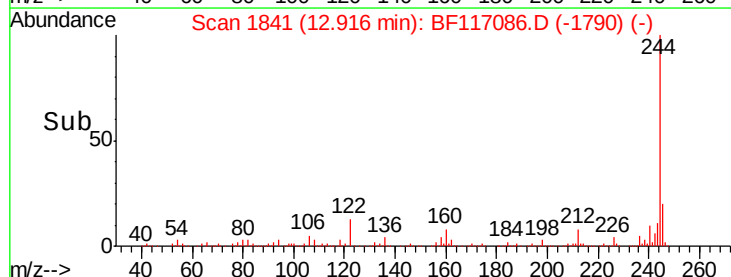
122 13.2 11.3 16.9

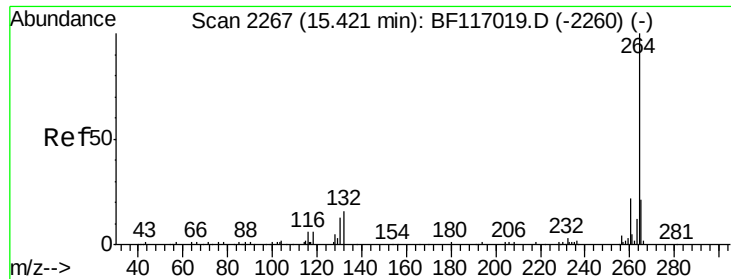


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF117086.D
Acq: 17 Sep 2019 2:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.6	26.4
265	24.2	16.6	24.8

