

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117090.D
 Acq On : 17 Sep 2019 4:37
 Operator : HP/JU
 Sample : K4878-18
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:19:53 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

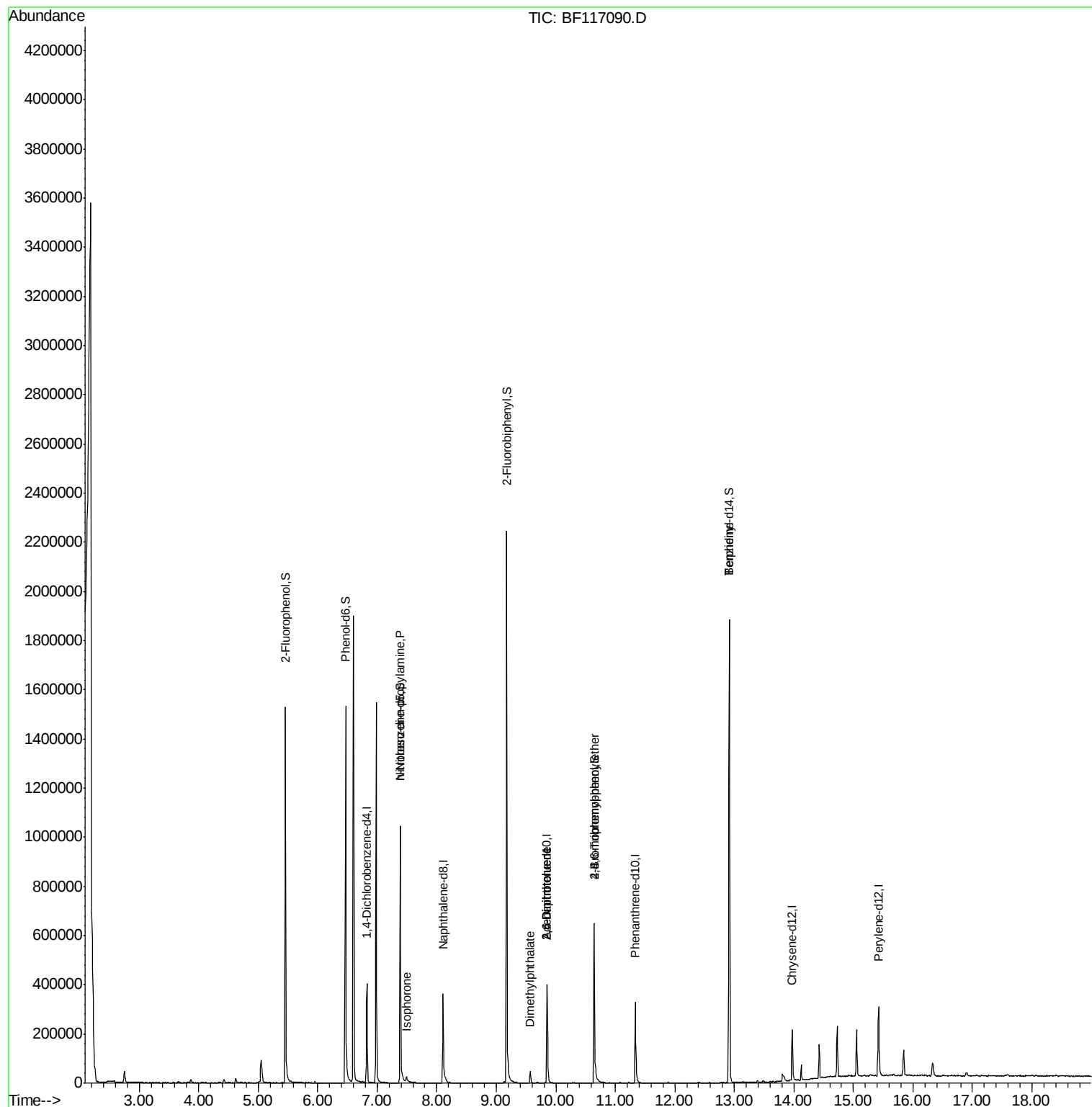
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	61621	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	231014	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	105896	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	156206	20.00	ng	0.00
76) Chrysene-d12	13.97	240	89777	20.00	ng	0.00
87) Perylene-d12	15.42	264	67030	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	479900	121.59	ng	0.02
7) Phenol-d6	6.47	99	570426	111.83	ng	0.01
23) Nitrobenzene-d5	7.39	82	386649	87.94	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	100869	113.97	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	729903	107.77	ng	0.00
79) Terphenyl-d14	12.92	244	610615	127.13	ng	0.00
Target Compounds						
9) Benzaldehyde	6.47	77	898	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.39	70	52396	16.869 ng	#	79
25) Isophorone	7.49	82	21578	2.772 ng	#	75
50) Dimethylphthalate	9.57	163	25950	3.461 ng	#	99
51) 2,6-Dinitrotoluene	9.85	165	12892	8.442 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	12892	6.504 ng	#	18
67) 4-Bromophenyl-phenylether	10.65	248	6448	4.042 ng	#	1
77) Benzidine	12.92	184	9097	3.146 ng	#	87

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

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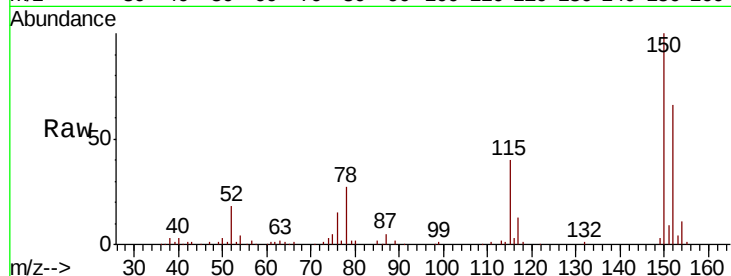


#1

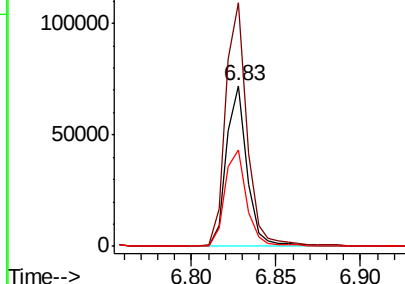
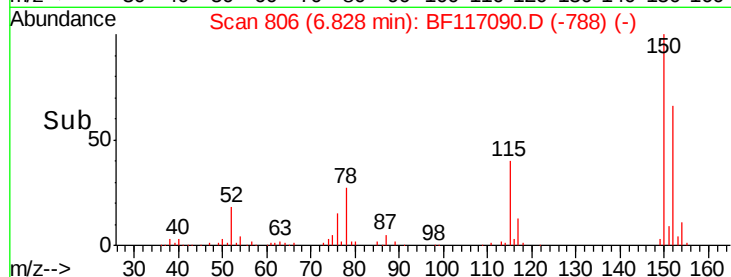
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117090.D
Acq: 17 Sep 2019 4:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 61621
Ion Ratio Lower Upper
152 100
150 151.3 127.5 191.3
115 60.0 55.0 82.4



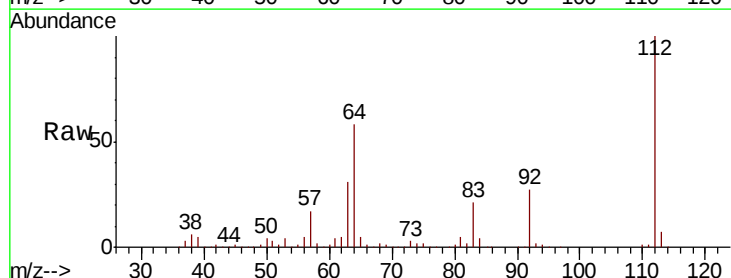
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



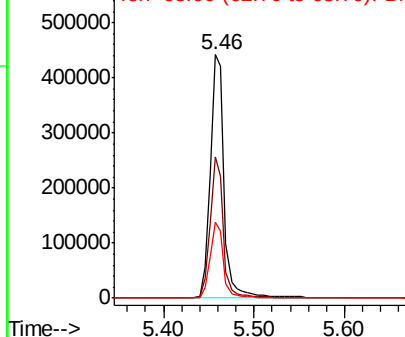
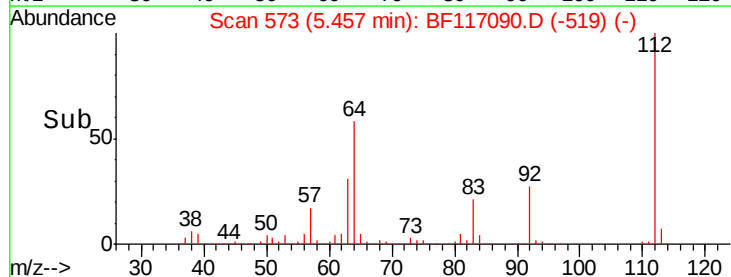
#5

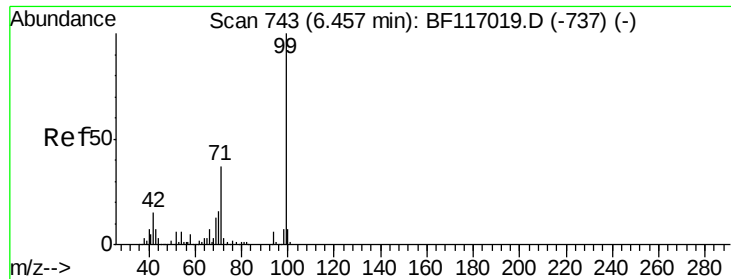
2-Fluorophenol
Concen: 121.589 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117090.D
Acq: 17 Sep 2019 4:37

Tgt Ion:112 Resp: 479900
Ion Ratio Lower Upper
112 100
64 58.2 45.7 68.5
63 31.2 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: 111.830 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117090.D

Acq: 17 Sep 2019 4:37

Instrument :

BNA_F

ClientSampleId :

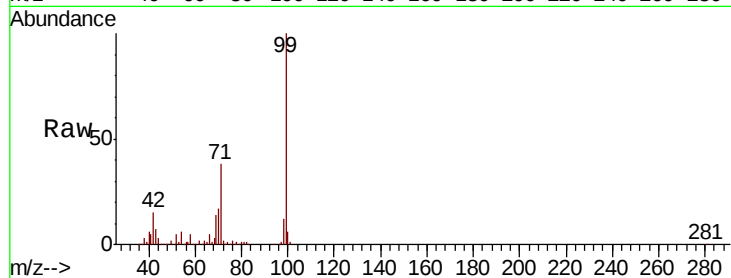
Tot Ion: 99 Resp: 570426

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

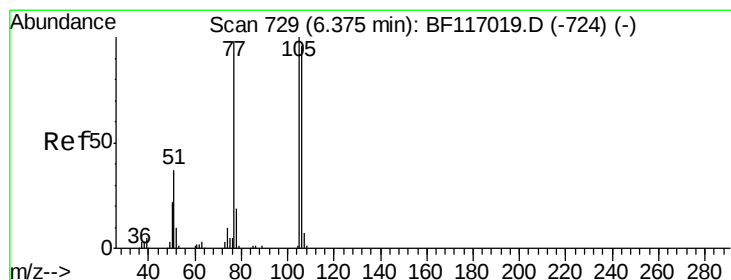
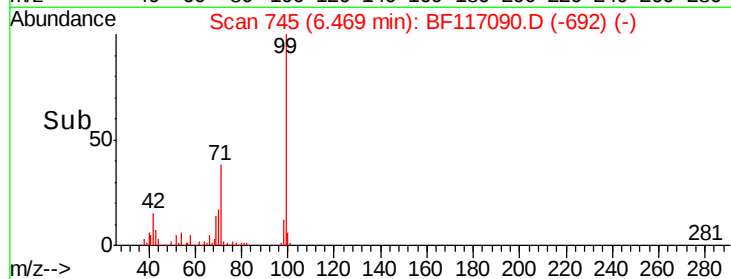
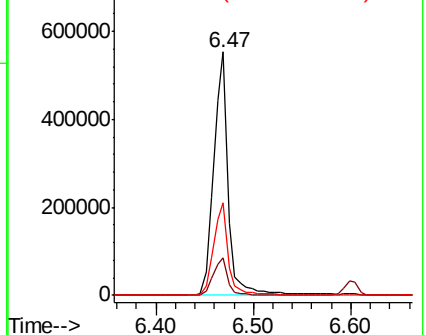
71 38.2 29.8 44.8



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: BF117090.D

Acq: 17 Sep 2019 4:37

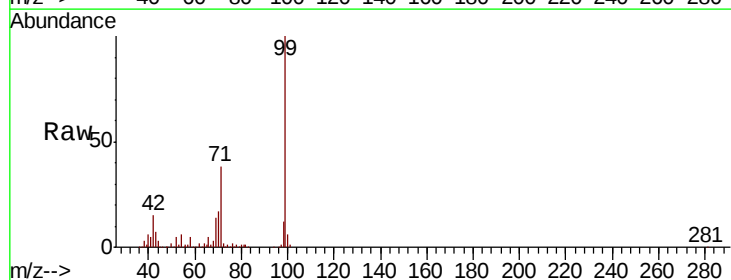
Tgt Ion: 77 Resp: 898

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

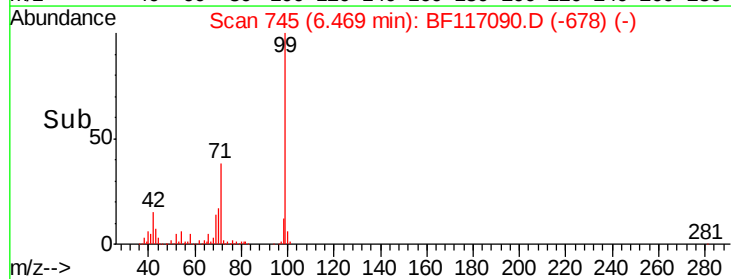
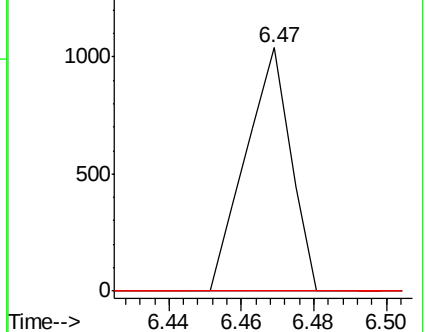
106 0.0 77.3 117.3#



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

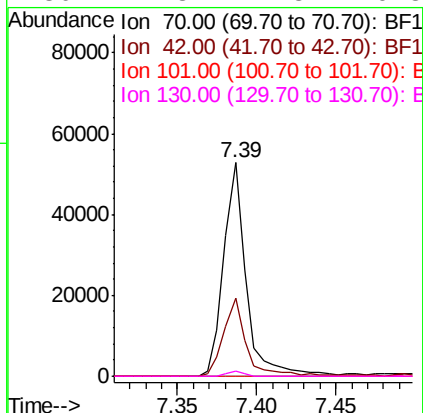
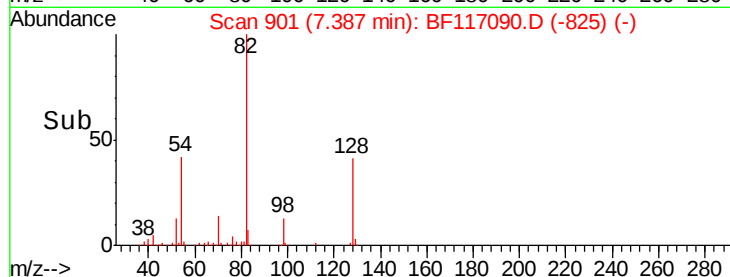
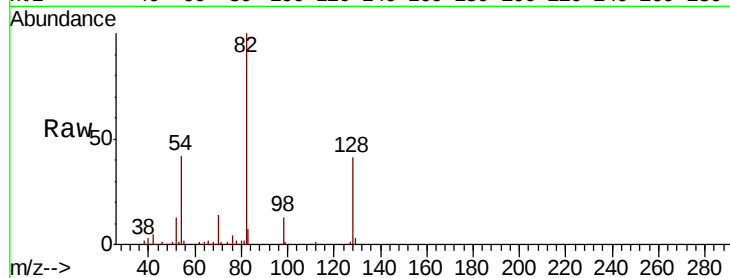




#19
n-Nitroso-di-n-propylamine
Concen: 16.869 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117090.D
Acq: 17 Sep 2019 4:37

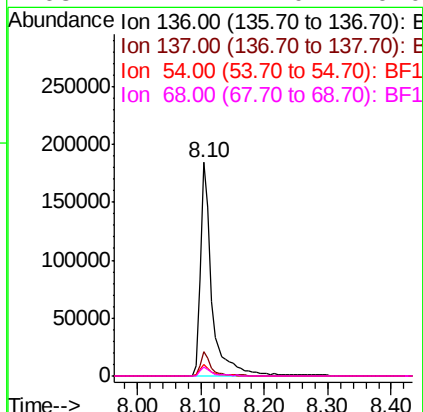
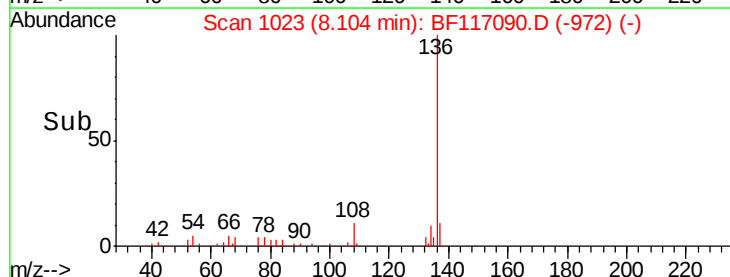
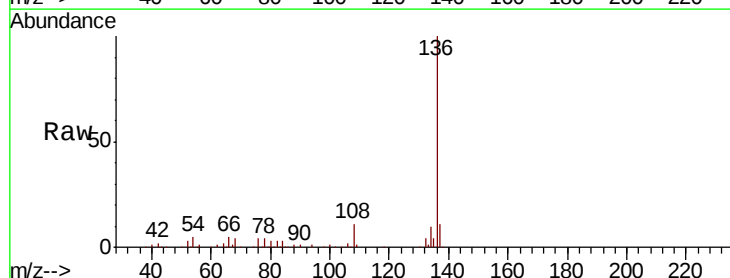
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 52396
Ion Ratio Lower Upper
70 100
42 36.5 34.0 51.0
101 0.0 7.8 11.6#
130 2.3 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: BF117090.D
Acq: 17 Sep 2019 4:37

Tgt Ion: 136 Resp: 231014
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 5.5 4.5 6.7
68 4.4 4.0 6.0

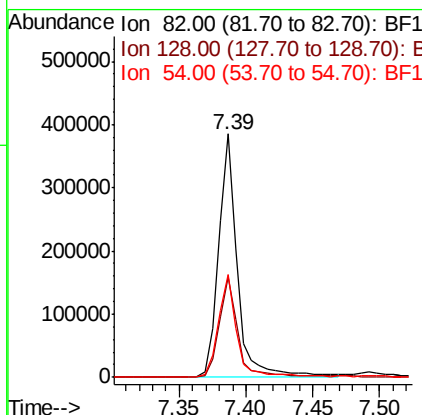
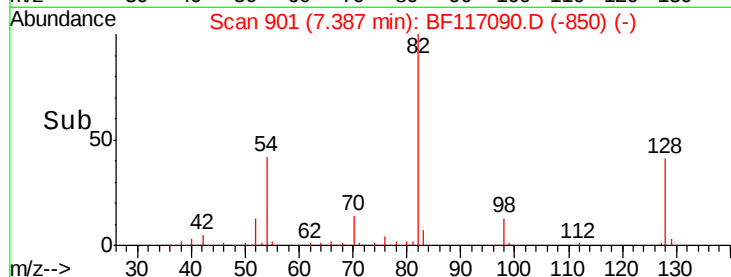
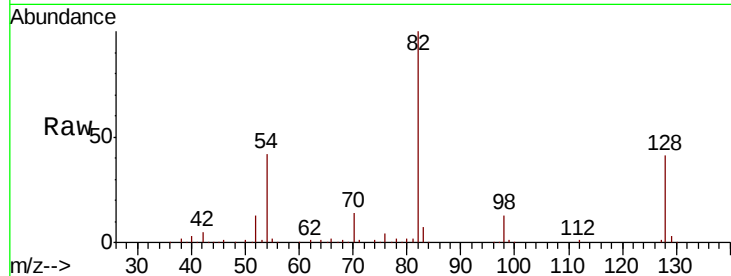




#23
Nitrobenzene-d5
Concen: 87.940 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117090.D
Acq: 17 Sep 2019 4:37

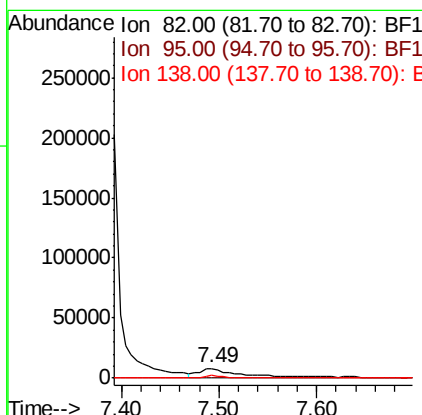
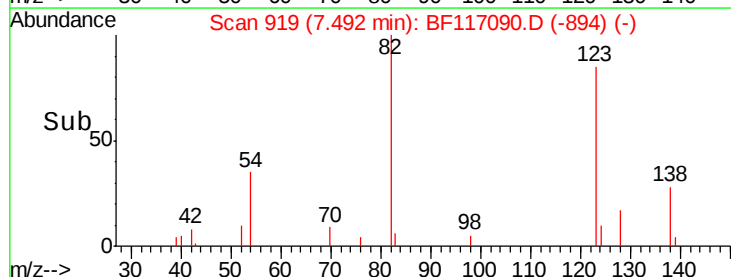
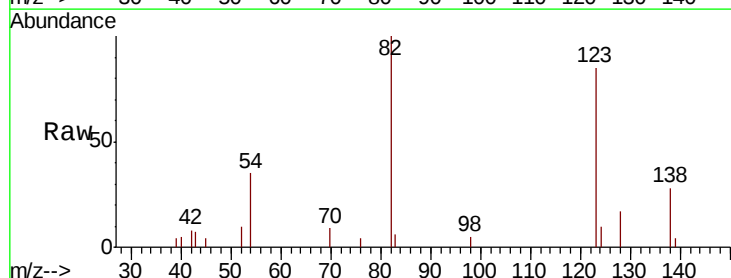
Instrument :
BNA_F
ClientSampled :

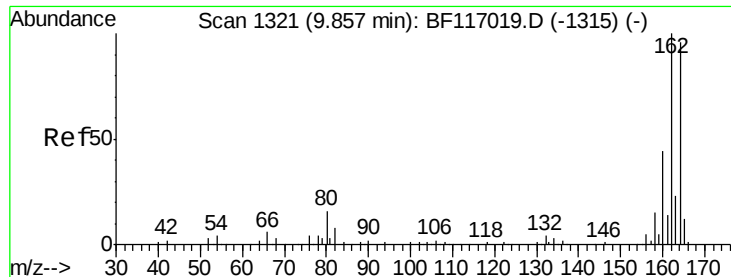
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.3	48.5
54	42.3	33.3	49.9



#25
Isophorone
Concen: 2.772 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.15 min
Lab File: BF117090.D
Acq: 17 Sep 2019 4:37

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	28.4	13.5	20.3#

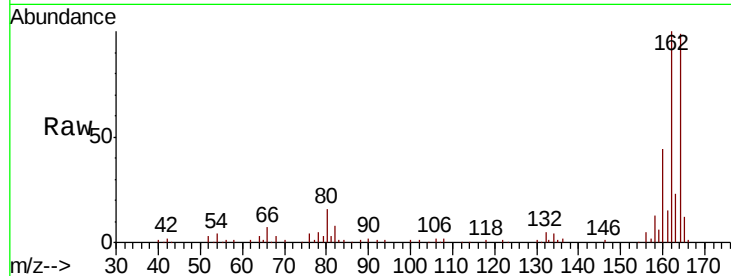




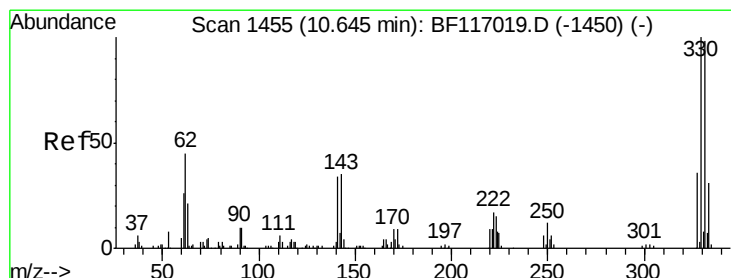
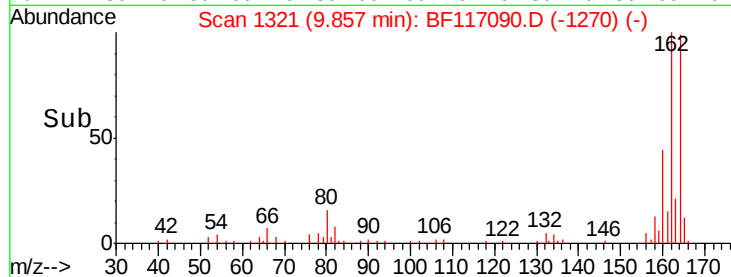
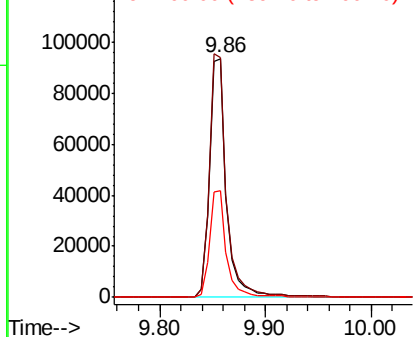
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: BF117090.D
 Acq: 17 Sep 2019 4:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 105896
 Ion Ratio Lower Upper
 164 100
 162 100.5 83.4 125.2
 160 44.7 36.4 54.6

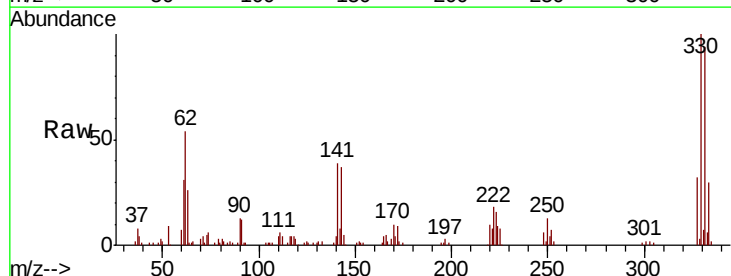


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

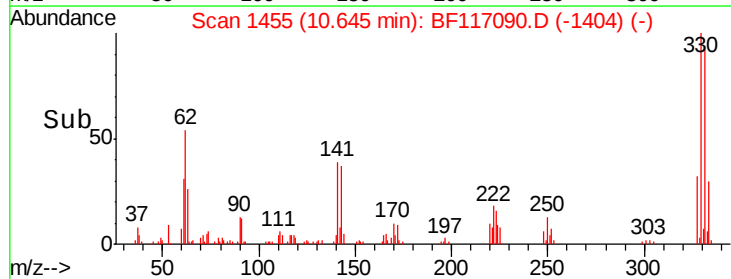
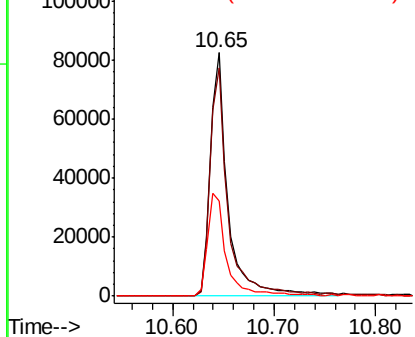


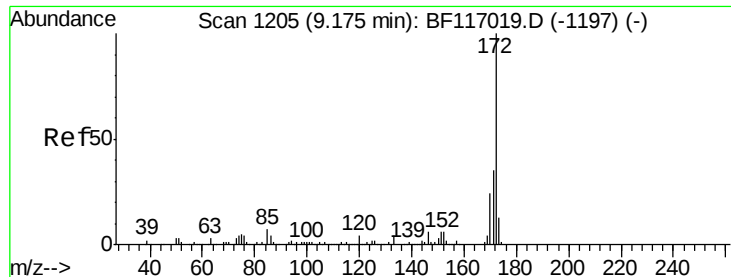
#42
 2,4,6-Tribromophenol
 Concen: 113.970 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF117090.D
 Acq: 17 Sep 2019 4:37

Tgt Ion:330 Resp: 100869
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.0 117.0
 141 44.9 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

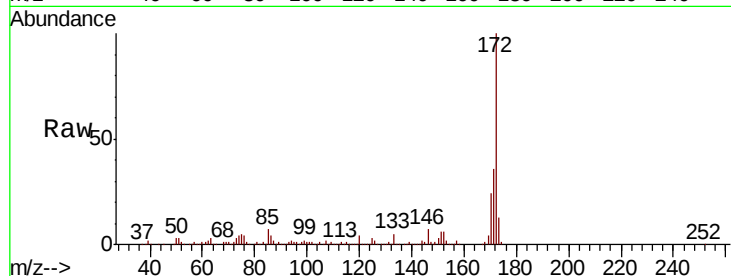




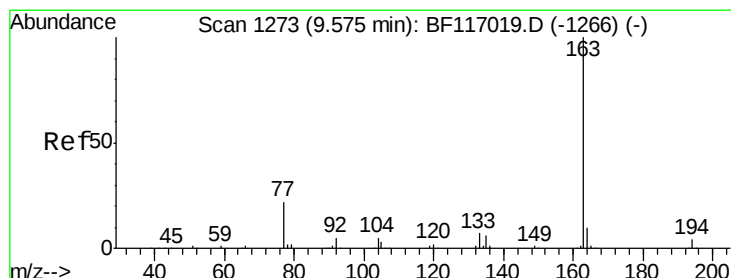
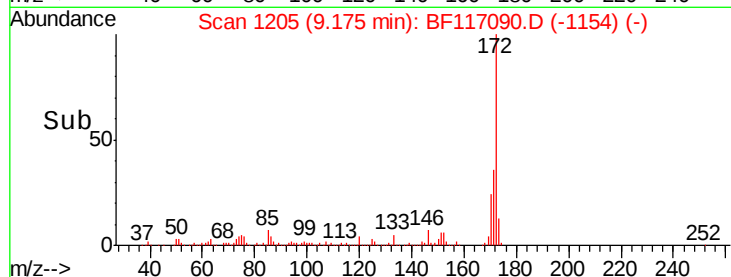
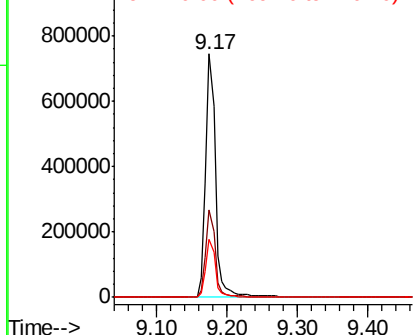
#45
2-Fluorobiphenyl
Concen: 107.772 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117090.D
Acq: 17 Sep 2019 4:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 729903
Ion Ratio Lower Upper
172 100
171 36.1 28.2 42.2
170 23.8 18.9 28.3

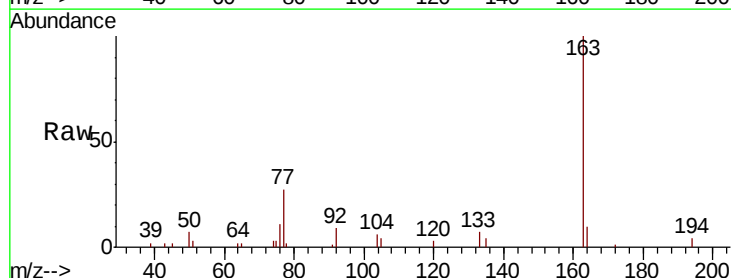


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

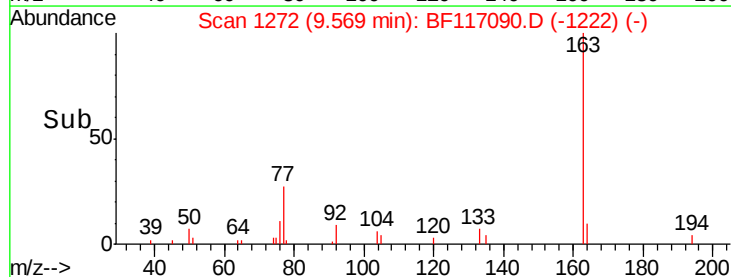
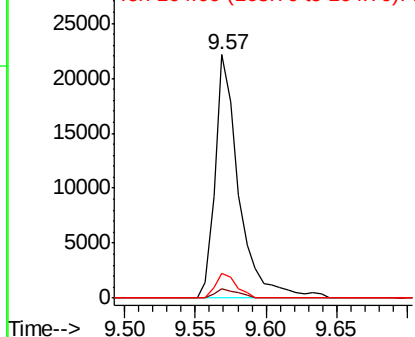


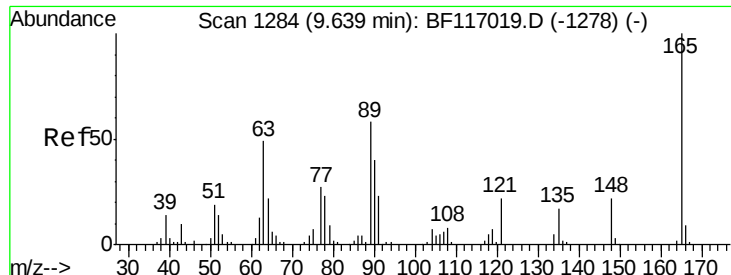
#50
Dimethylphthalate
Concen: 3.461 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117090.D
Acq: 17 Sep 2019 4:37

Tgt Ion:163 Resp: 25950
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 9.9 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

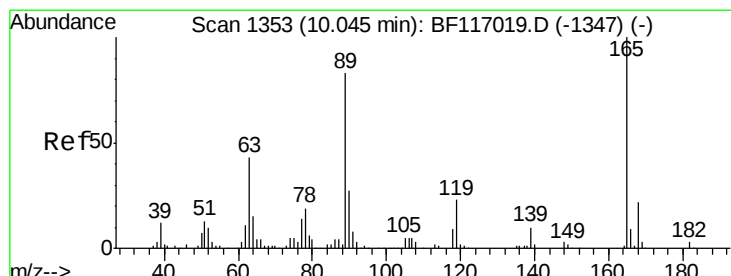
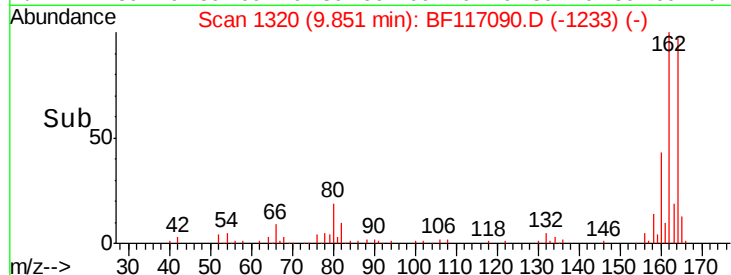
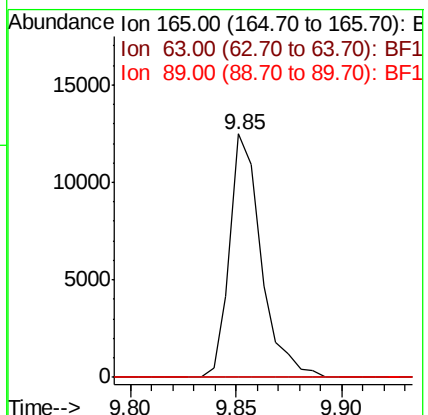
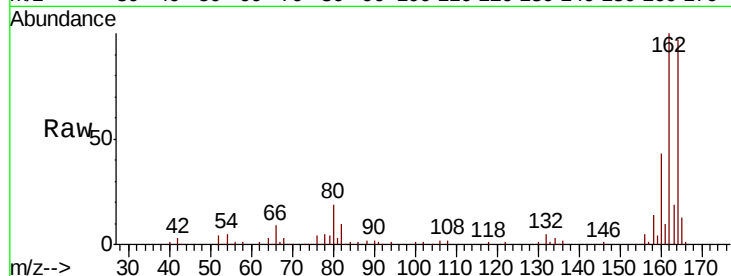




#51
 2,6-Dinitrotoluene
 Concen: 8.442 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117090.D
 Acq: 17 Sep 2019 4:37

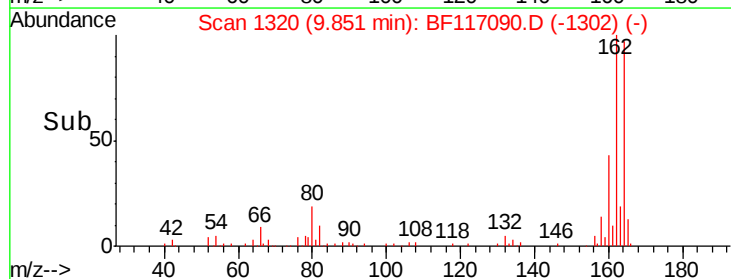
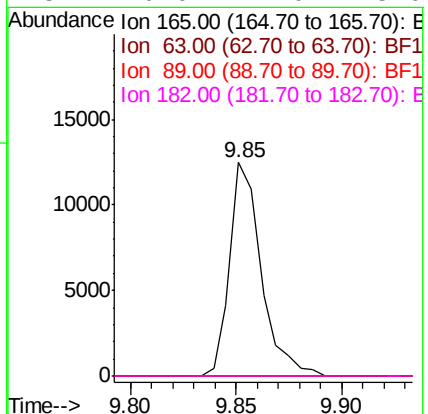
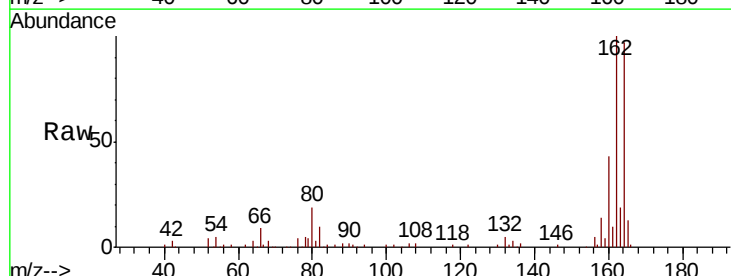
Instrument :
 BNA_F
 ClientSampleId :

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: 6.504 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117090.D
 Acq: 17 Sep 2019 4:37

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: BF117090.D

Acq: 17 Sep 2019 4:37

Instrument :

BNA_F

ClientSampleId :

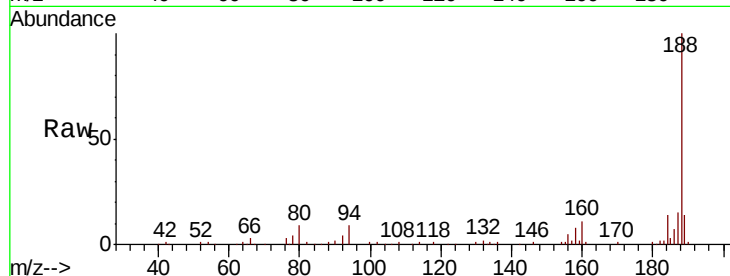
Tot Ion:188 Resp: 156206

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.2

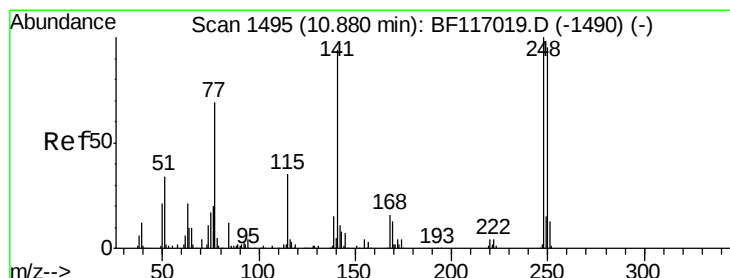
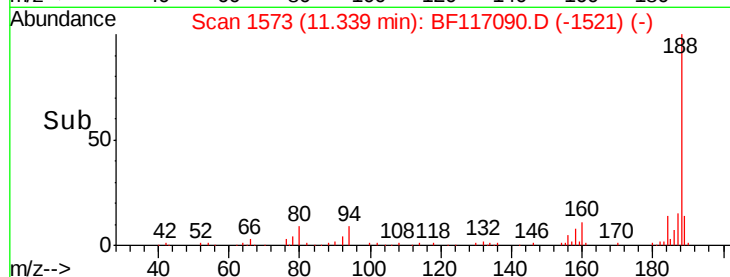
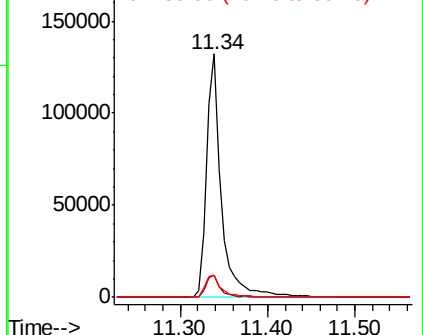
80 9.3 9.0 13.6



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



#67

4-Bromophenyl-phenylether

Concen: 4.042 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.24 min

Lab File: BF117090.D

Acq: 17 Sep 2019 4:37

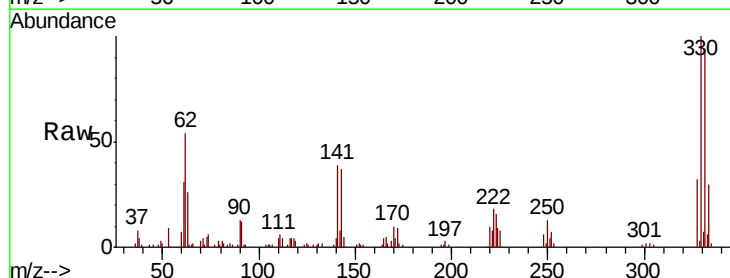
Tgt Ion:248 Resp: 6448

Ion Ratio Lower Upper

248 100

250 203.5 76.2 114.4#

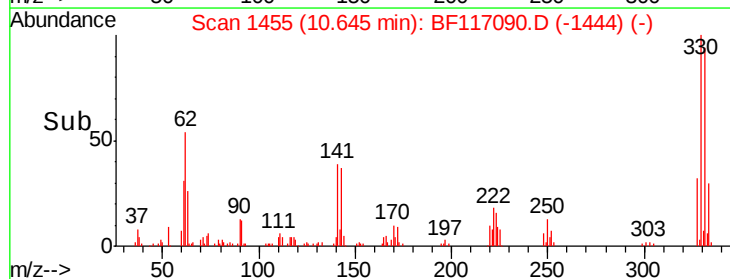
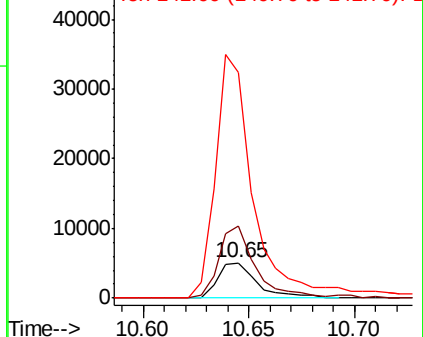
141 637.0 75.0 112.4#

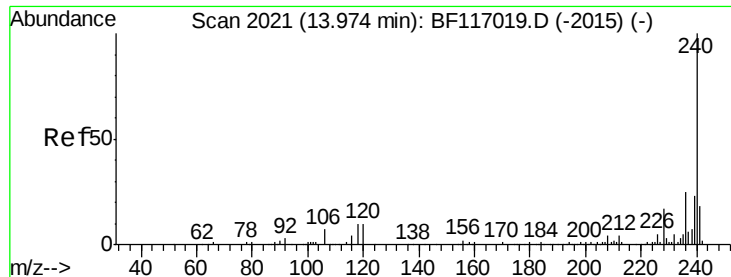


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

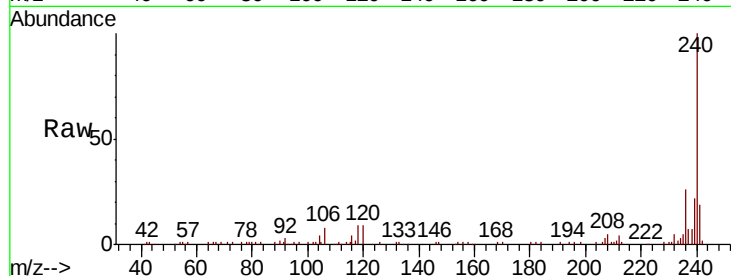




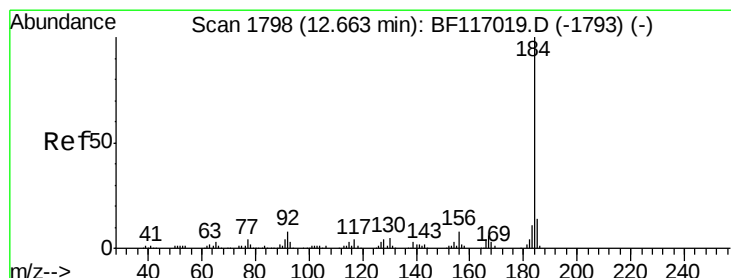
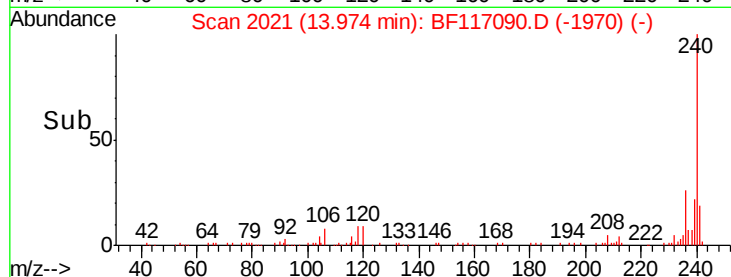
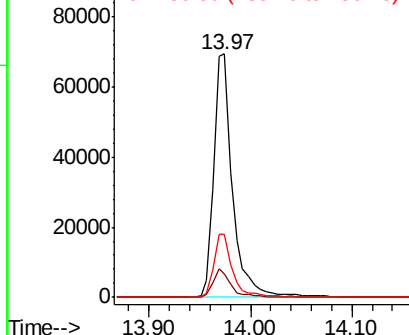
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117090.D
Acq: 17 Sep 2019 4:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 89777
Ion Ratio Lower Upper
240 100
120 9.5 8.3 12.5
236 25.9 20.3 30.5

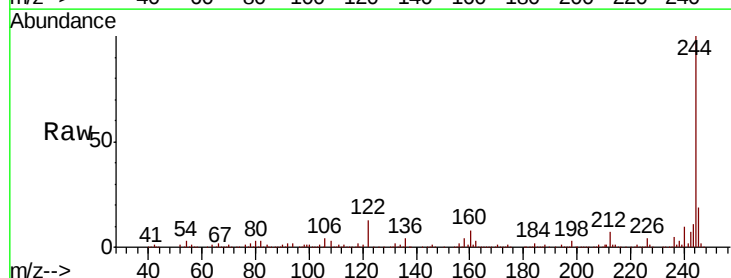


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

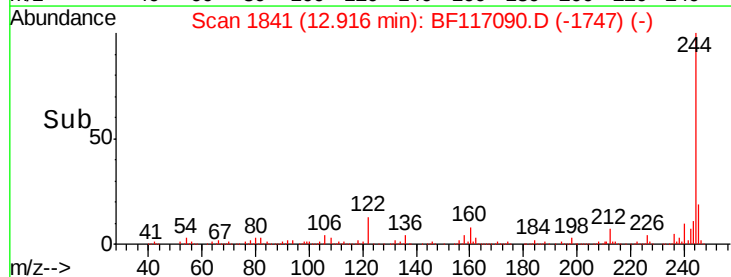
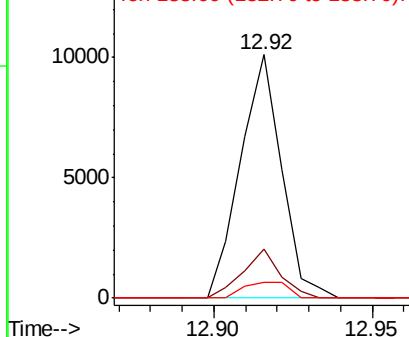


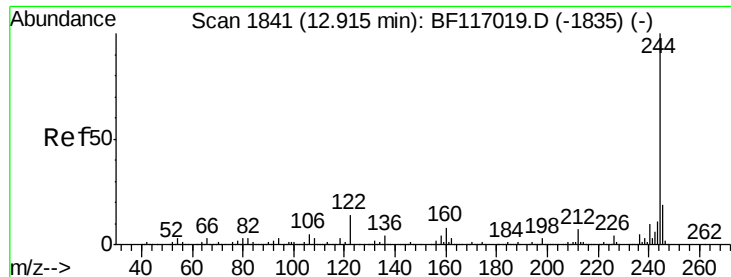
#77
Benzidine
Concen: 3.146 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117090.D
Acq: 17 Sep 2019 4:37

Tgt Ion:184 Resp: 9097
Ion Ratio Lower Upper
184 100
185 20.3 11.6 17.4#
183 6.6 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: 127.134 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117090.D

Acq: 17 Sep 2019 4:37

Instrument :

BNA_F

ClientSampleId :

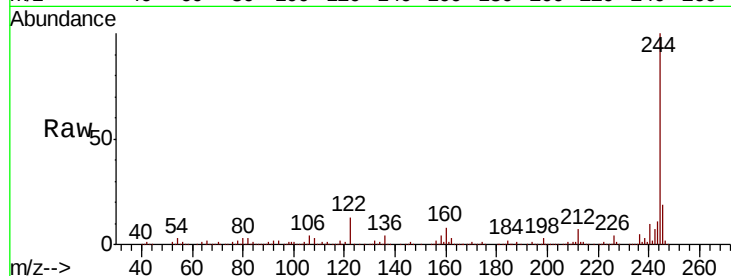
Tot Ion:244 Resp: 610615

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

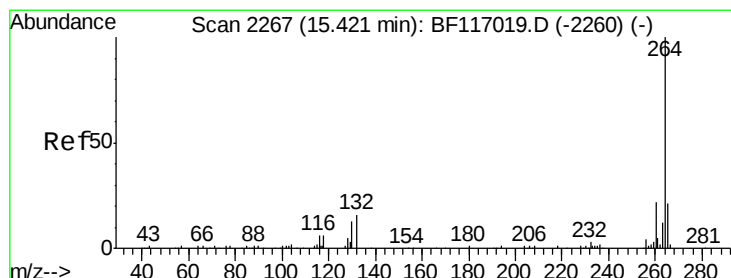
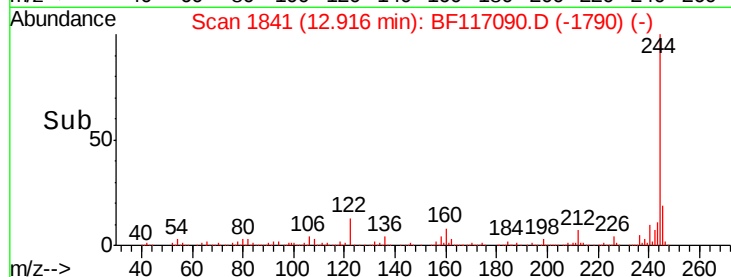
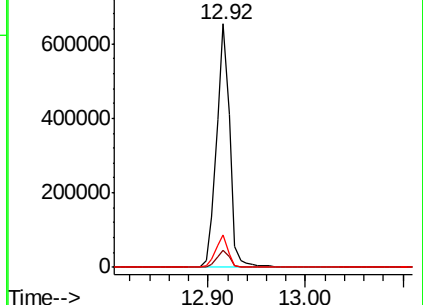
122 13.1 11.3 16.9



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: BF117090.D

Acq: 17 Sep 2019 4:37

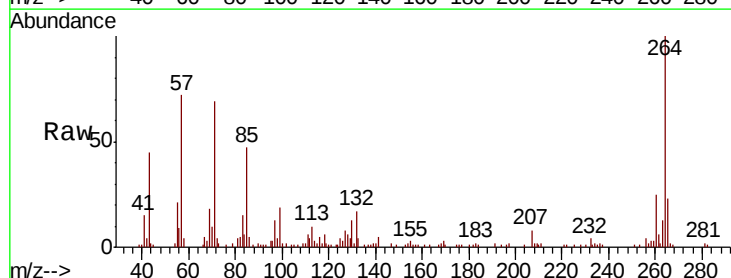
Tgt Ion:264 Resp: 67030

Ion Ratio Lower Upper

264 100

260 25.2 17.6 26.4

265 23.1 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

