

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117088.D
 Acq On : 17 Sep 2019 3:44
 Operator : HP/JU
 Sample : K4878-20
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:19:15 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	56590	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	211684	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	96020	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	147964	20.00	ng	0.00
76) Chrysene-d12	13.97	240	84184	20.00	ng	0.00
87) Perylene-d12	15.42	264	65965	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	401319	110.72	ng	0.02
7) Phenol-d6	6.47	99	469743	100.28	ng	0.01
23) Nitrobenzene-d5	7.39	82	341025	84.65	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	93672	116.72	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	652562	106.26	ng	0.00
79) Terphenyl-d14	12.92	244	568983	126.34	ng	0.00

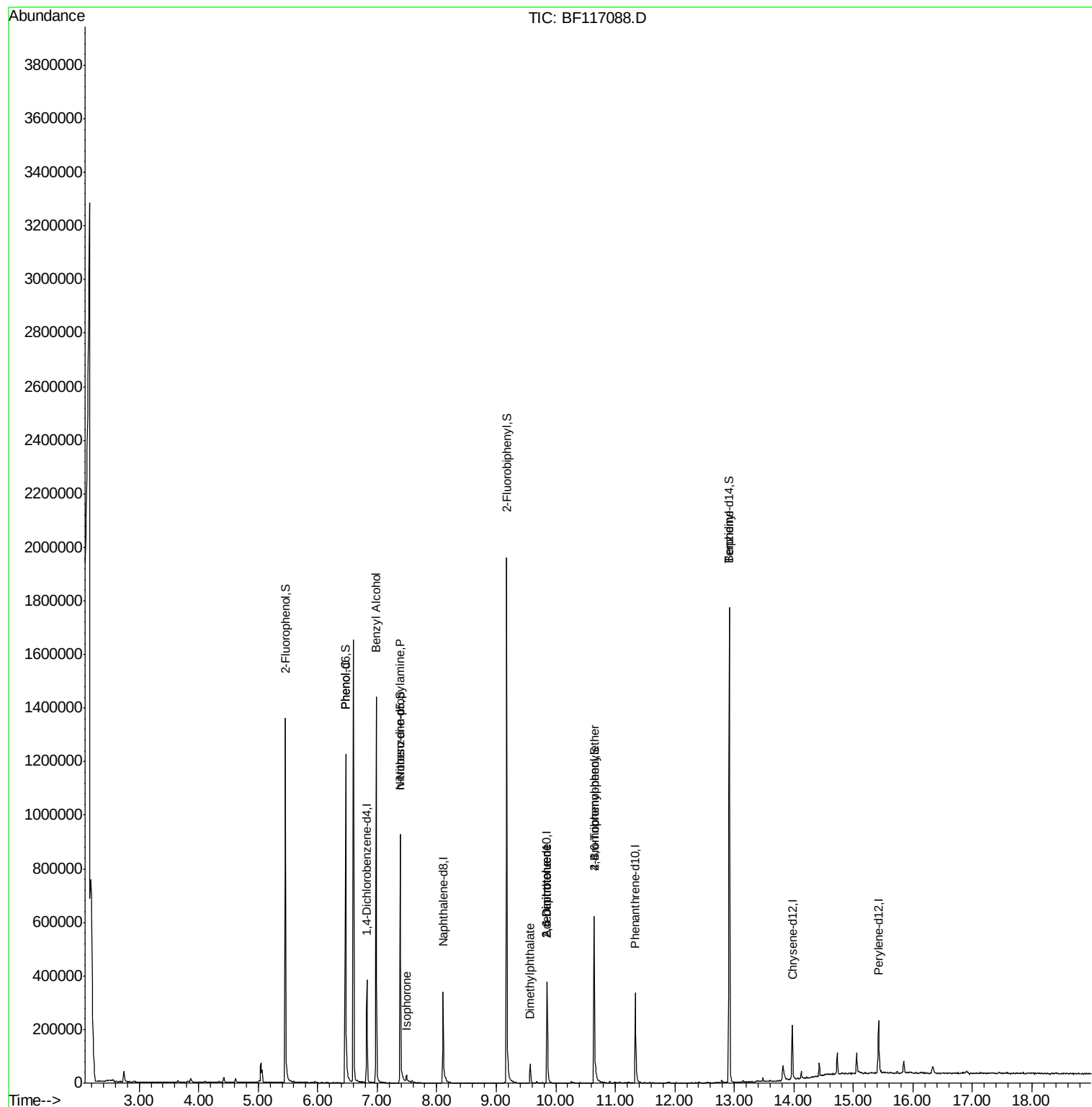
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	885	Below Cal		# 1
10) Phenol	6.47	94	16328	3.162	ng	# 70
15) Benzyl Alcohol	6.98	79	7296	2.031	ng	# 56
19) n-Nitroso-di-n-propylamine	7.39	70	45860	16.077	ng	# 80
25) Isophorone	7.49	82	19496	2.733	ng	# 68
50) Dimethylphthalate	9.57	163	38836	5.712	ng	# 99
51) 2,6-Dinitrotoluene	9.85	165	12549	9.063	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	12549	6.982	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	5694	3.768	ng	# 1
77) Benzidine	12.92	184	8411	3.102	ng	# 96

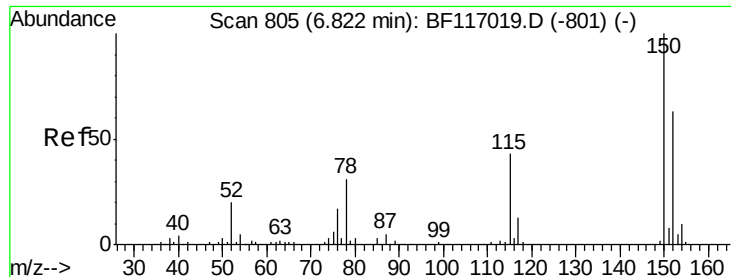
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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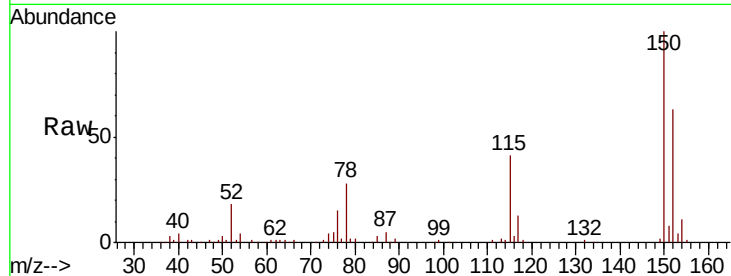


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117088.D
Acq: 17 Sep 2019 3:44

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.5	191.3
115	64.2	55.0	82.4

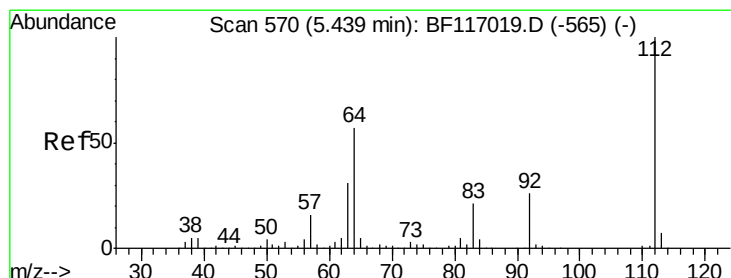
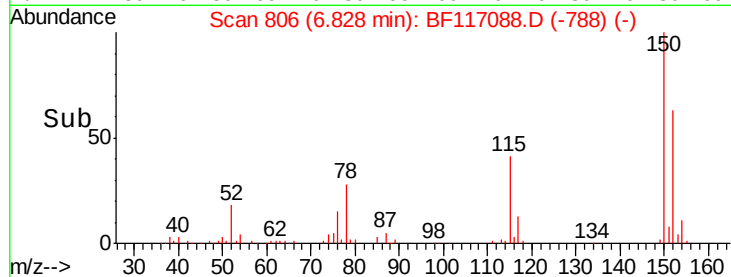
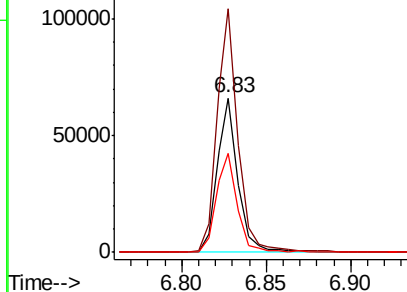


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

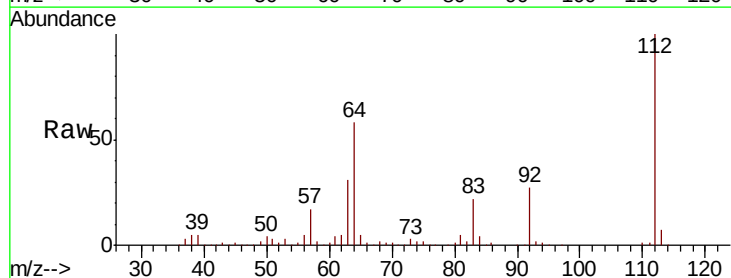
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.719 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117088.D
Acq: 17 Sep 2019 3:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	45.7	68.5
63	30.8	24.9	37.3

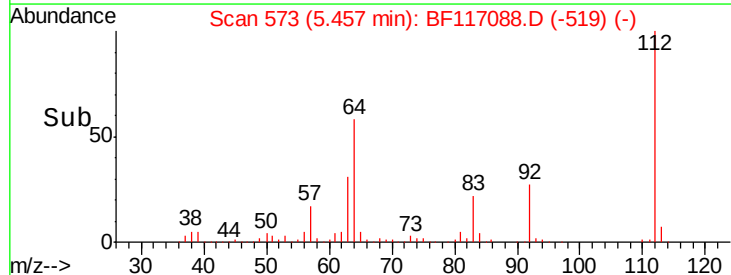
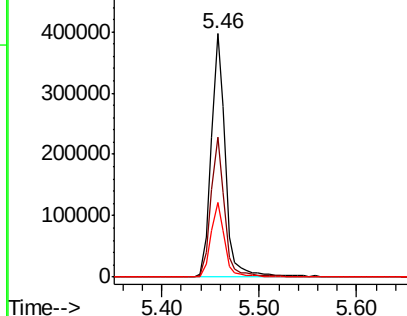


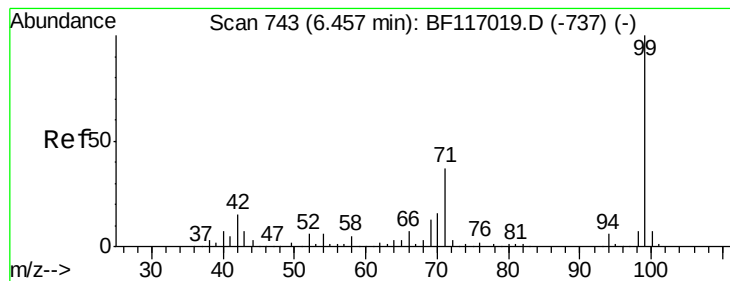
Abundance

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: 100.279 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117088.D

Acq: 17 Sep 2019 3:44

Instrument :

BNA_F

ClientSampled :

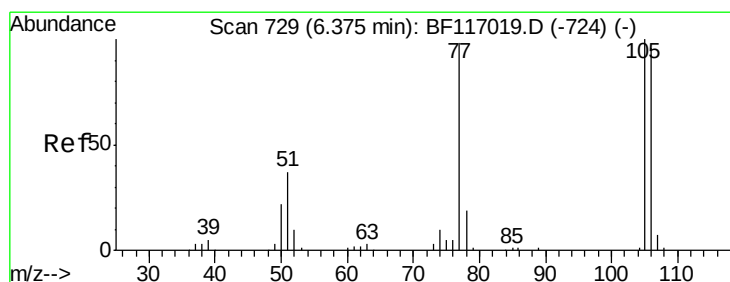
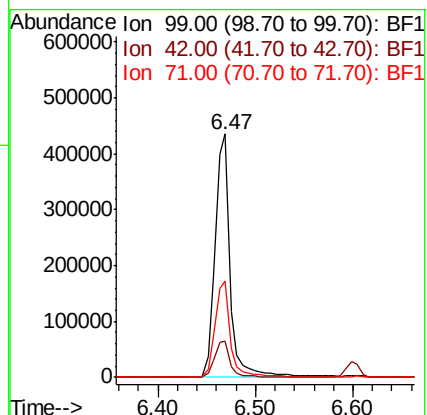
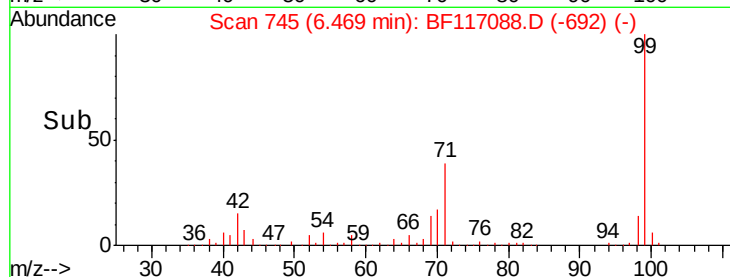
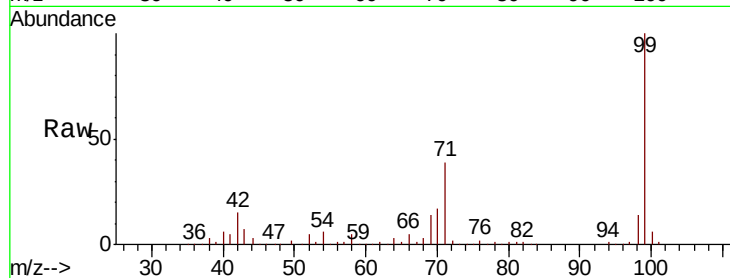
Tot Ion: 99 Resp: 469743

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

71 39.4 29.8 44.8



#9

Benzaldehyde

Concen: Below Cal

RT: 6.47 min Scan# 745

Delta R.T. 0.09 min

Lab File: BF117088.D

Acq: 17 Sep 2019 3:44

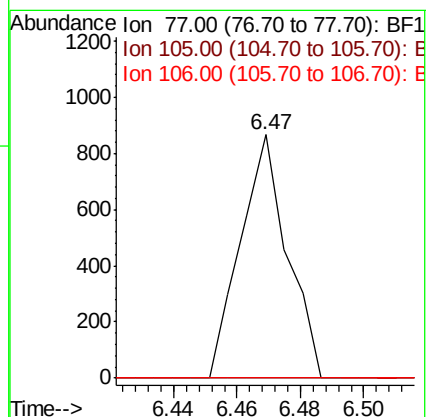
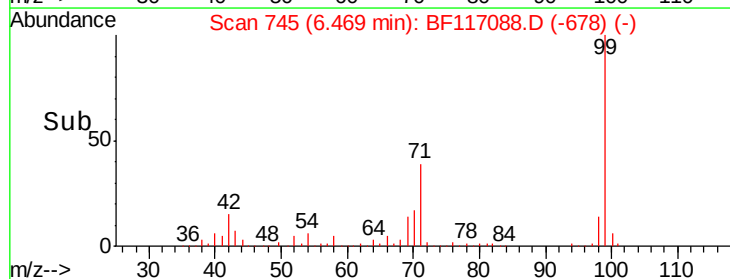
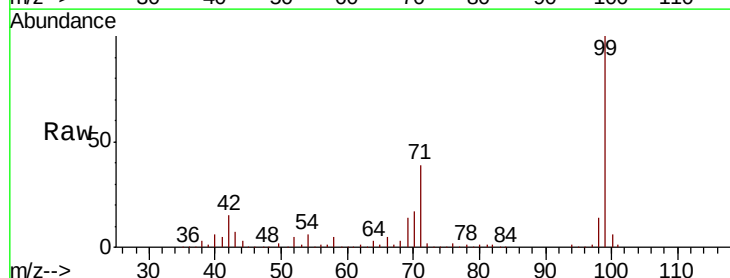
Tgt Ion: 77 Resp: 885

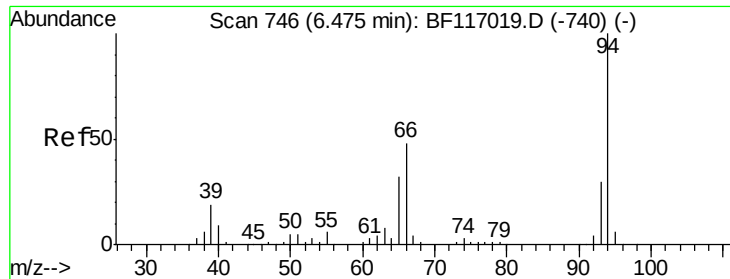
Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

106 0.0 77.3 117.3#

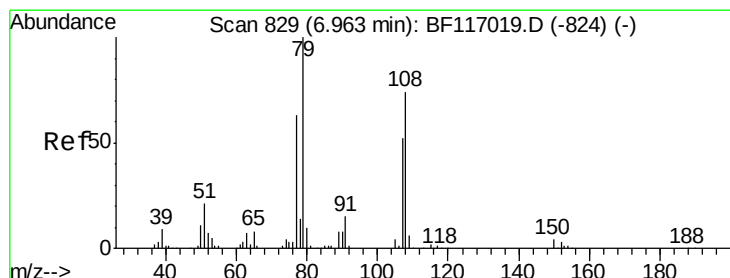
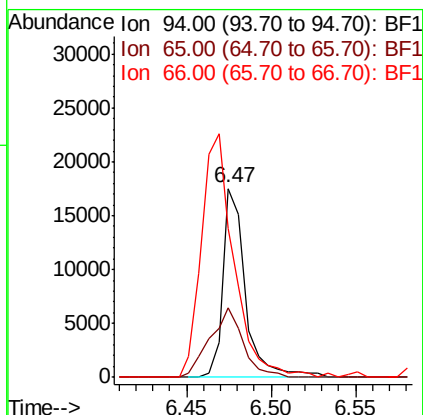
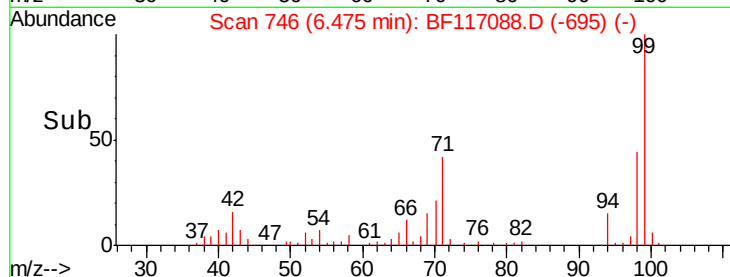
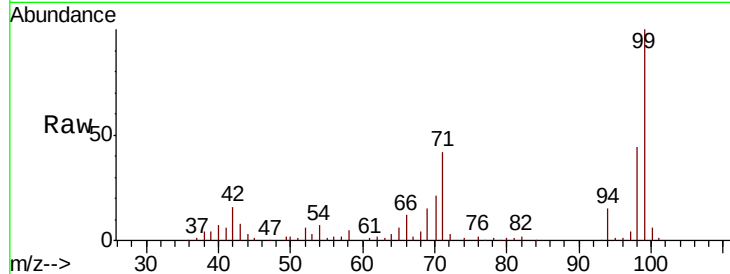




#10
Phenol
Concen: 3.162 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF117088.D
Acq: 17 Sep 2019 3:44

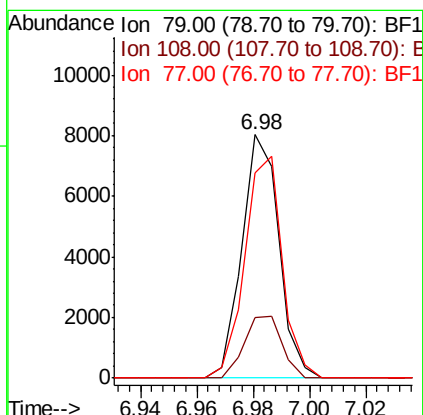
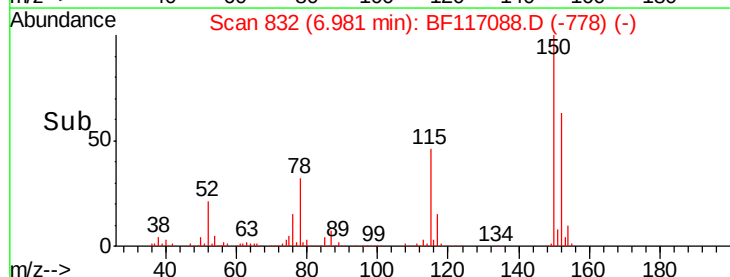
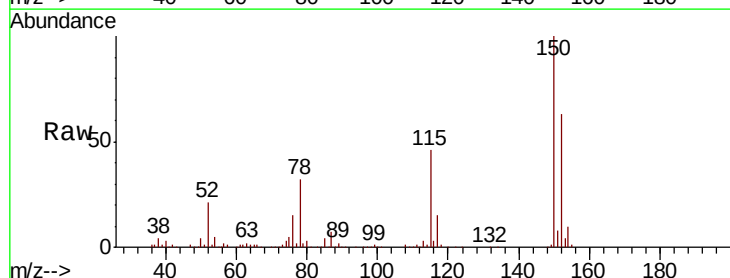
Instrument :
BNA_F
ClientSampleId :

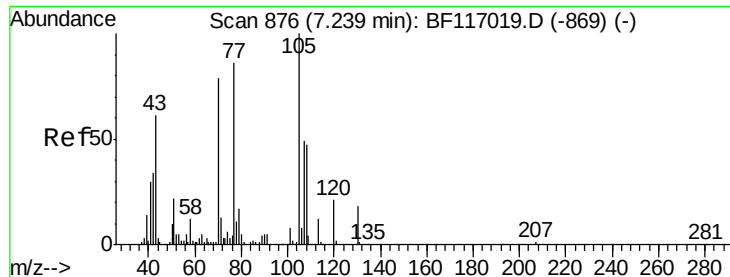
Tot Ion: 94 Resp: 16328
Ion Ratio Lower Upper
94 100
65 37.0 12.5 52.5
66 78.9 28.9 68.9#



#15
Benzyl Alcohol
Concen: 2.031 ng
RT: 6.98 min Scan# 832
Delta R.T. 0.02 min
Lab File: BF117088.D
Acq: 17 Sep 2019 3:44

Tgt Ion: 79 Resp: 7296
Ion Ratio Lower Upper
79 100
108 25.1 59.4 89.0#
77 84.4 50.2 75.2#





#19

n-Nitroso-di-n-propylamine

Concen: 16.077 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117088.D

Acq: 17 Sep 2019 3:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 45860

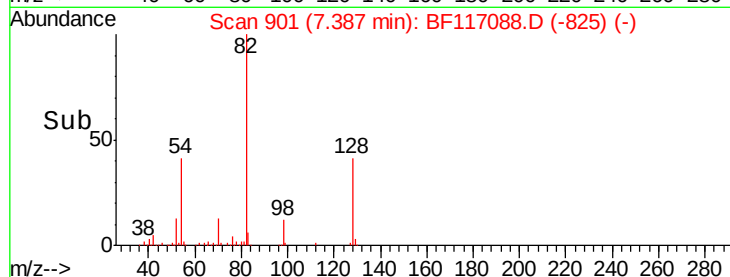
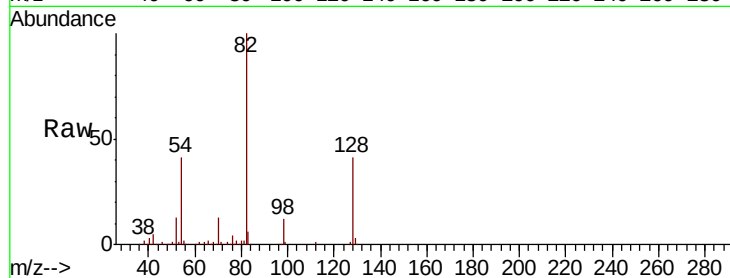
Ion Ratio Lower Upper

70 100

42 38.6 34.0 51.0

101 0.0 7.8 11.6#

130 1.6 17.8 26.8#

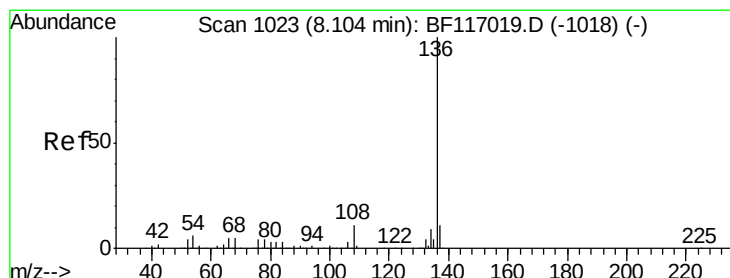
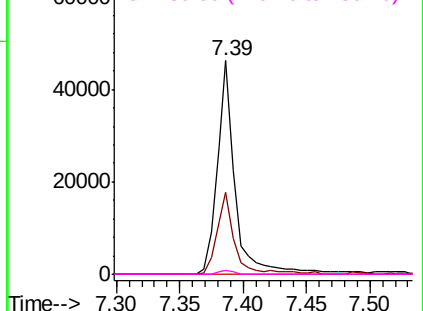


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117088.D

Acq: 17 Sep 2019 3:44

Tgt Ion: 136 Resp: 211684

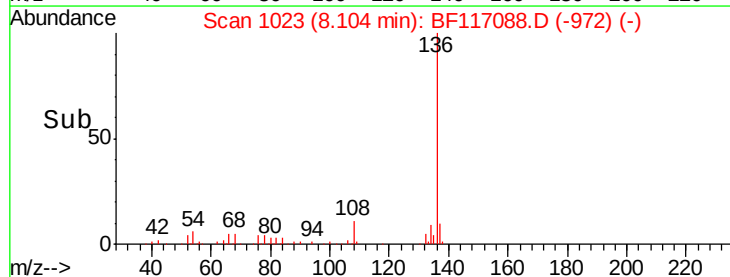
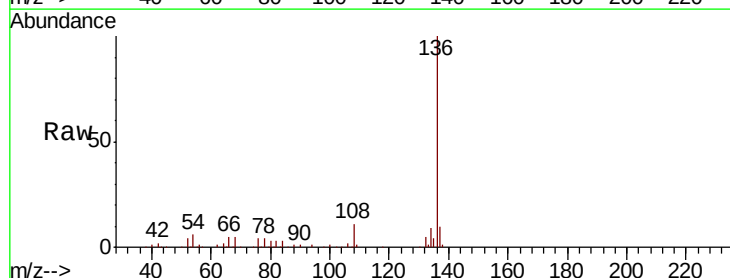
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 5.6 4.5 6.7

68 5.0 4.0 6.0

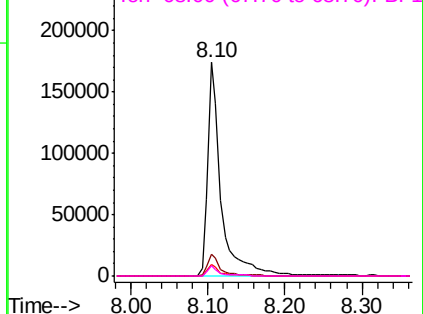


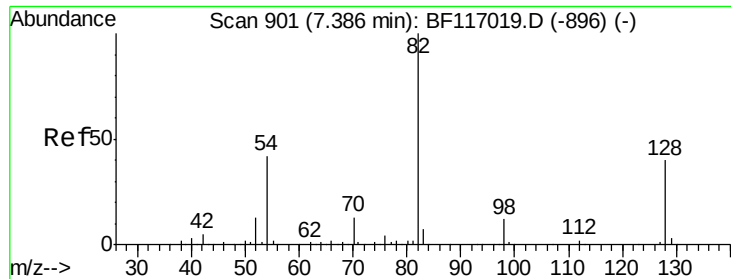
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

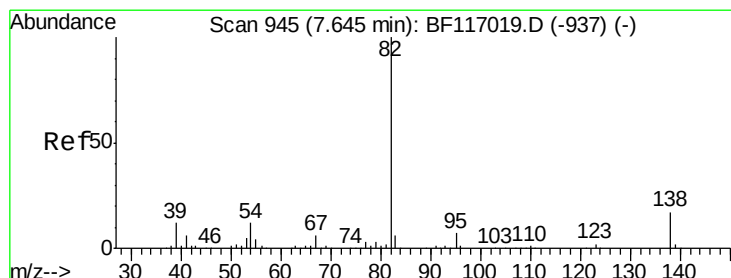
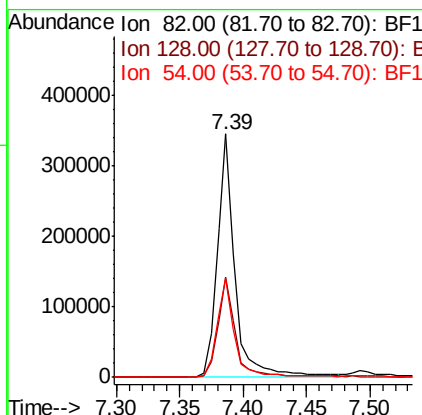
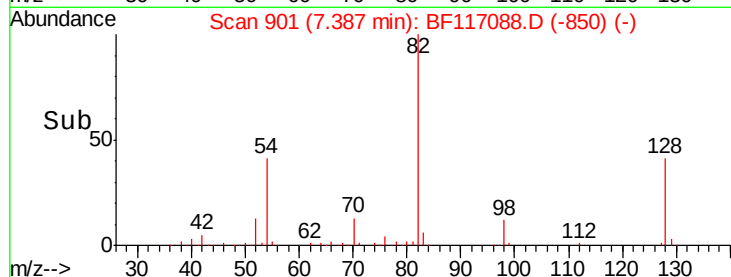
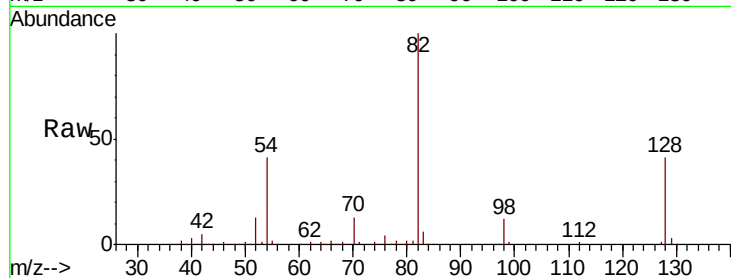




#23
Nitrobenzene-d5
Concen: 84.646 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117088.D
Acq: 17 Sep 2019 3:44

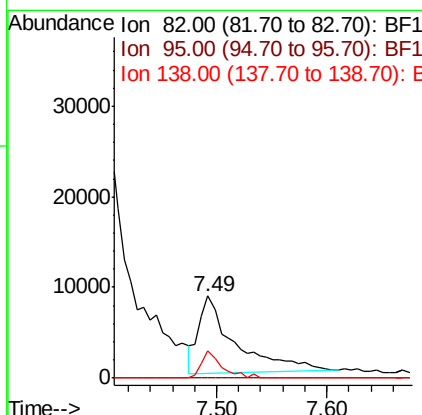
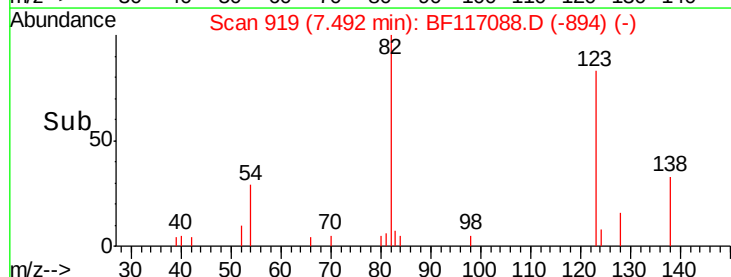
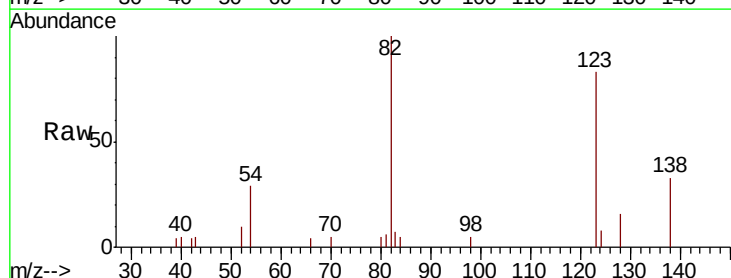
Instrument :
BNA_F
ClientSampled :

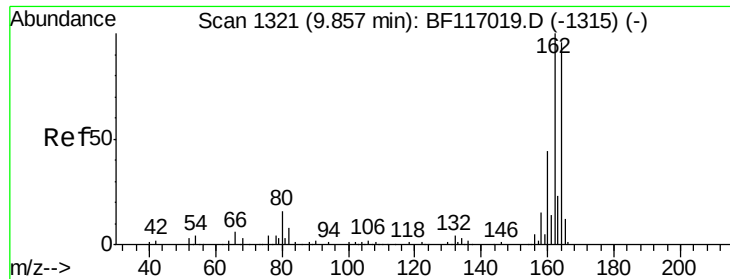
Tot Ion	82	Resp	341025
Ion Ratio	Lower	Upper	
82	100		
128	41.2	32.3	48.5
54	40.7	33.3	49.9



#25
Isophorone
Concen: 2.733 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.15 min
Lab File: BF117088.D
Acq: 17 Sep 2019 3:44

Tgt Ion	82	Resp	19496
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	32.6	13.5	20.3#

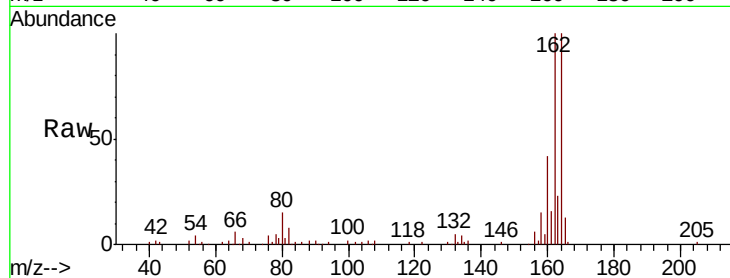




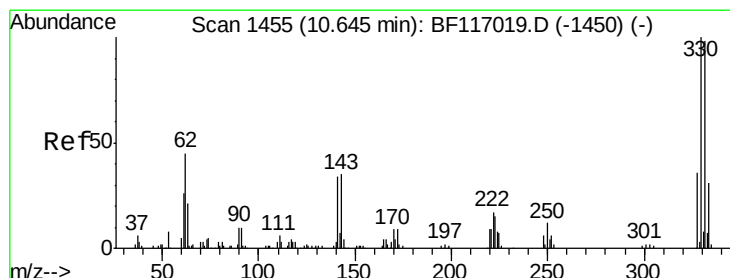
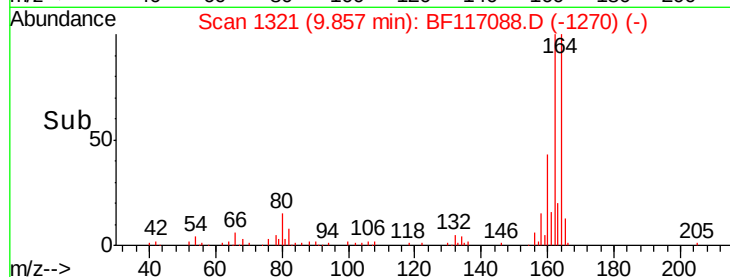
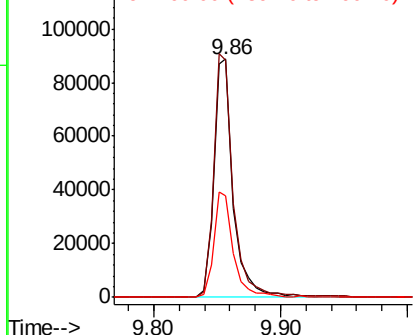
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: BF117088.D
 Acq: 17 Sep 2019 3:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 96020
 Ion Ratio Lower Upper
 164 100
 162 99.8 83.4 125.2
 160 42.5 36.4 54.6

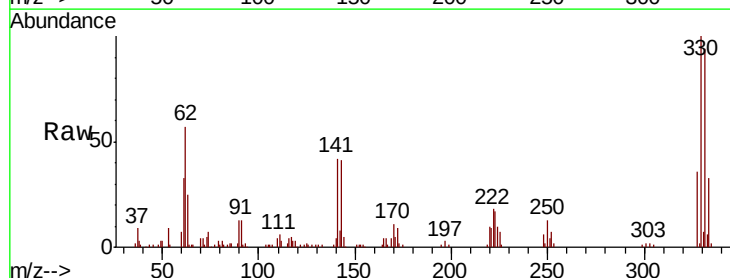


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

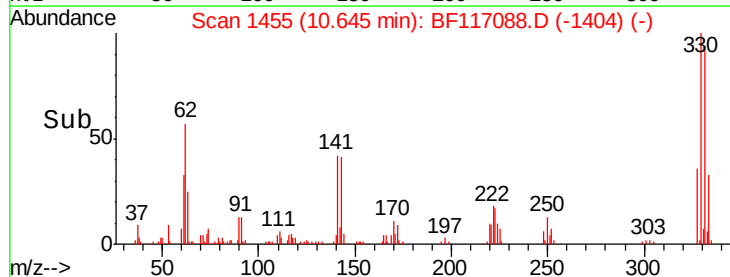
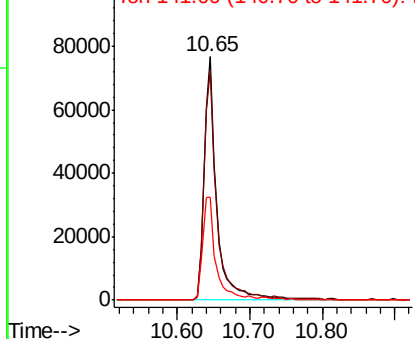


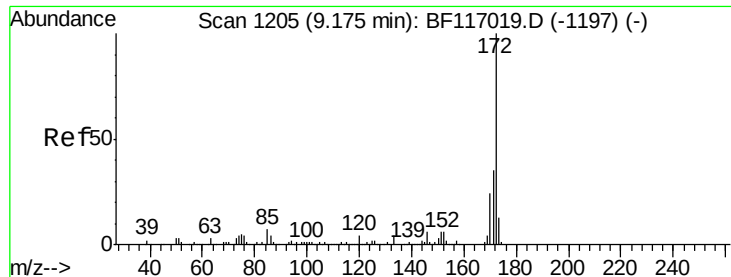
#42
 2,4,6-Tribromophenol
 Concen: 116.724 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF117088.D
 Acq: 17 Sep 2019 3:44

Tgt Ion:330 Resp: 93672
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.0 117.0
 141 45.1 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

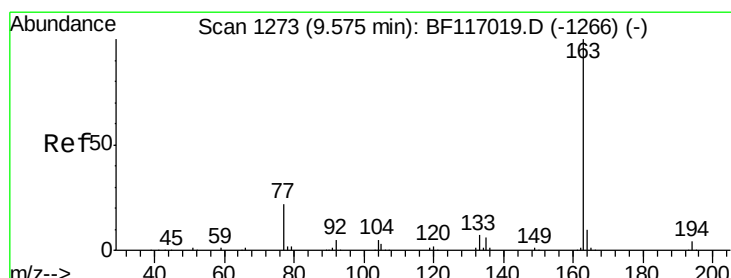
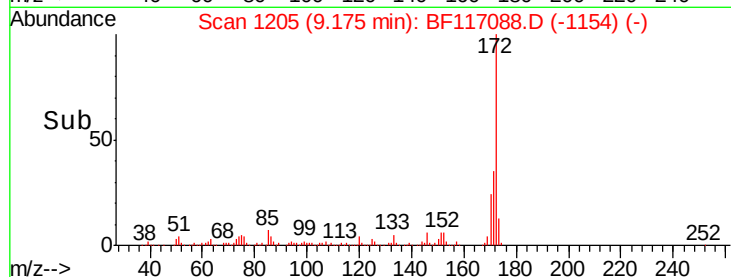
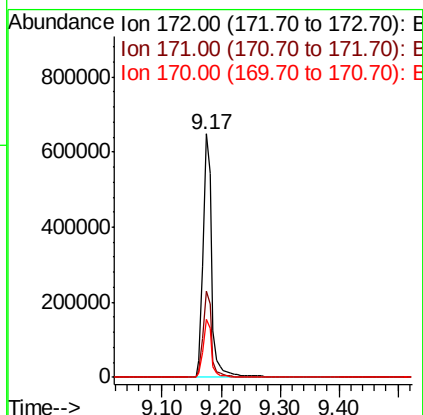
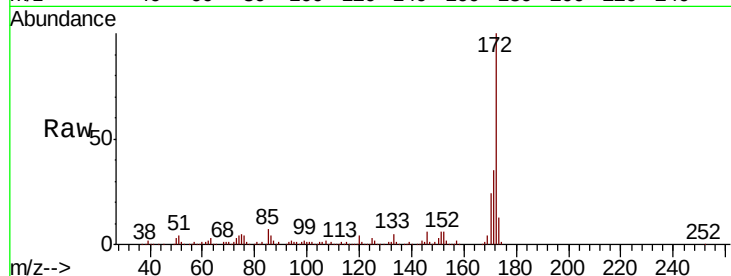




#45
2-Fluorobiphenyl
Concen: 106.262 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117088.D
Acq: 17 Sep 2019 3:44

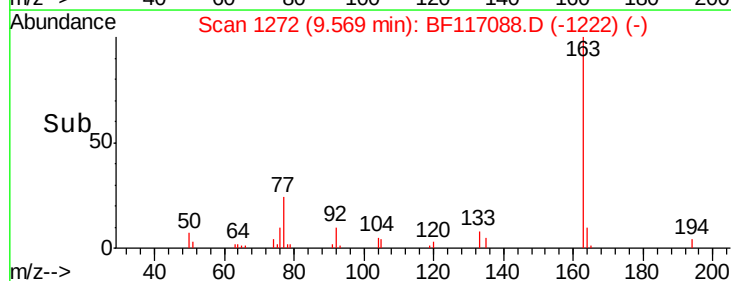
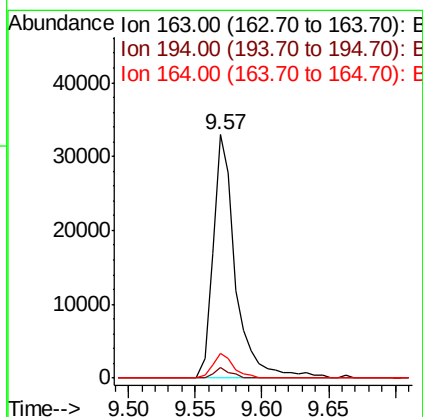
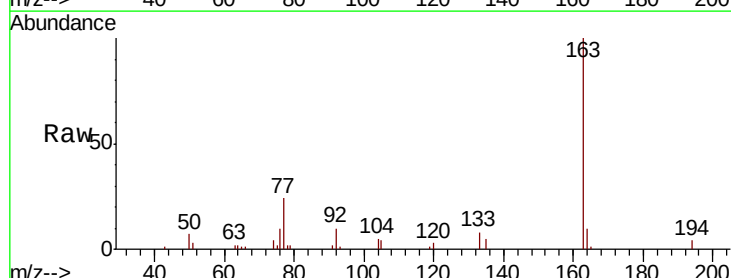
Instrument :
BNA_F
ClientSampleId :

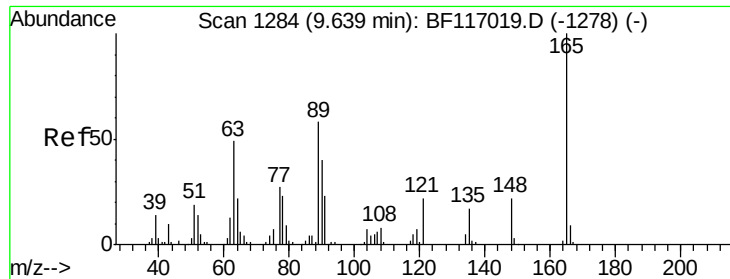
Tot Ion:172 Resp: 652562
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.9 18.9 28.3



#50
Dimethylphthalate
Concen: 5.712 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117088.D
Acq: 17 Sep 2019 3:44

Tgt Ion:163 Resp: 38836
Ion Ratio Lower Upper
163 100
194 4.3 2.9 4.3
164 10.1 8.2 12.4

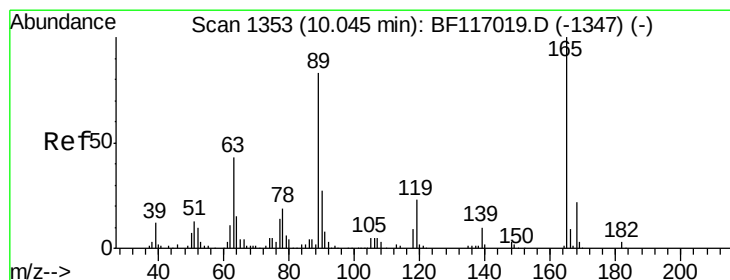
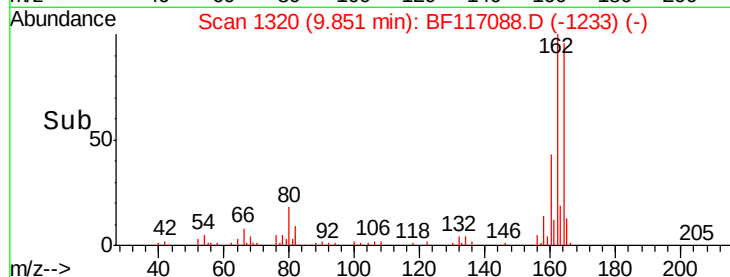
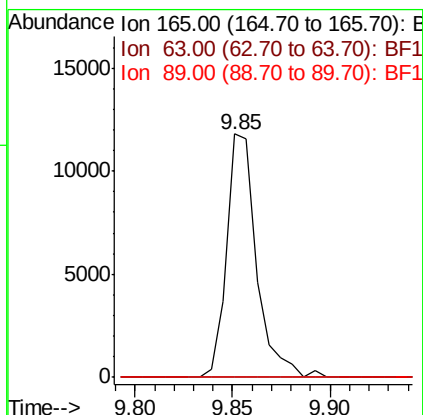
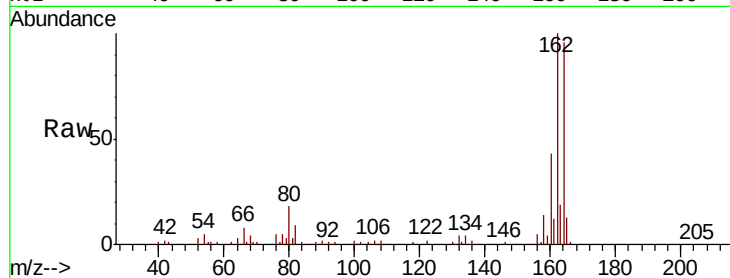




#51
 2,6-Dinitrotoluene
 Concen: 9.063 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117088.D
 Acq: 17 Sep 2019 3:44

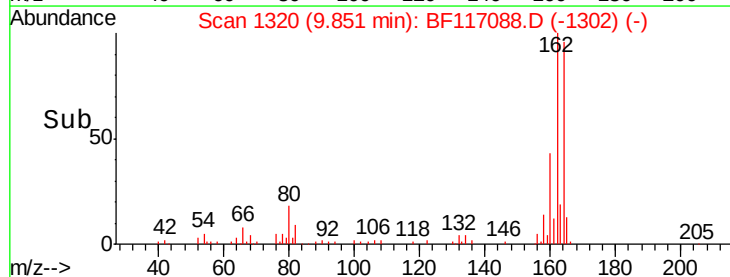
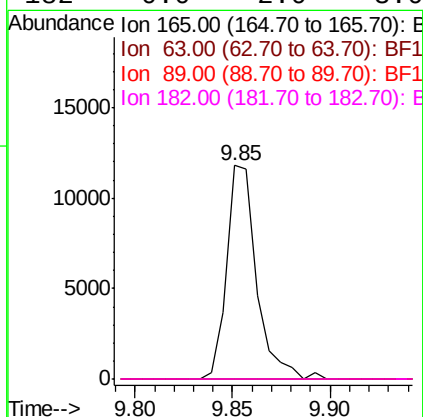
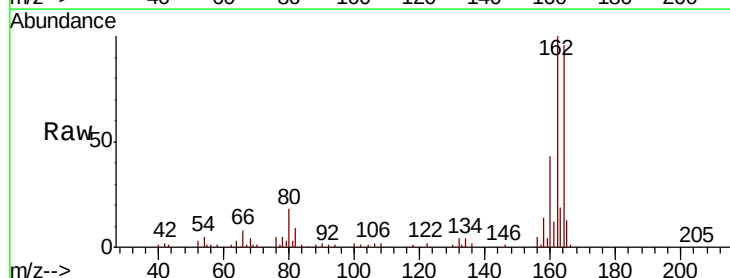
Instrument :
 BNA_F
 ClientSampleId :

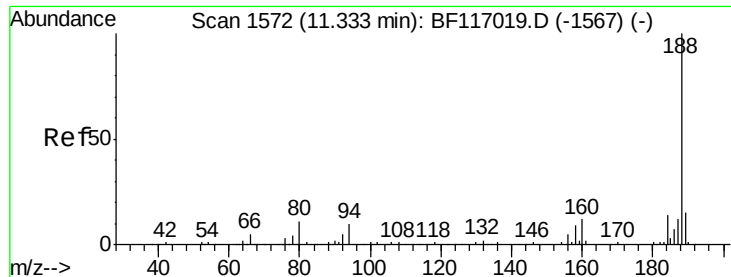
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.982 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117088.D
 Acq: 17 Sep 2019 3:44

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: BF117088.D

Acq: 17 Sep 2019 3:44

Instrument :

BNA_F

ClientSampleId :

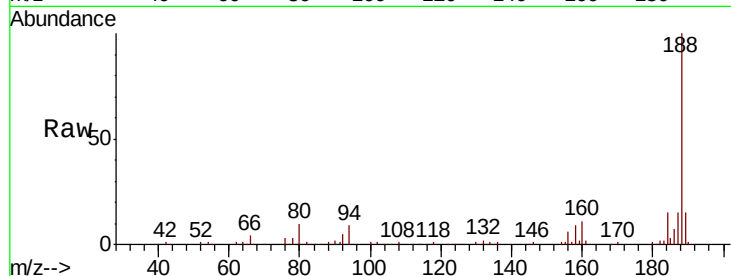
Tot Ion:188 Resp: 147964

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.2

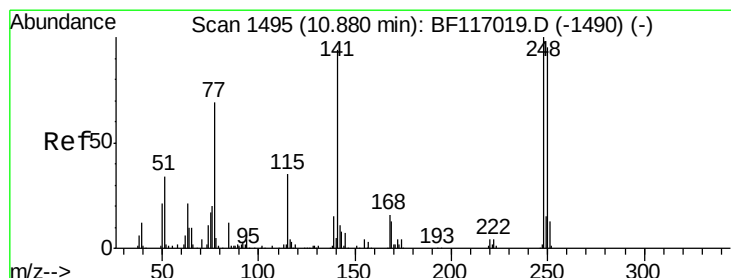
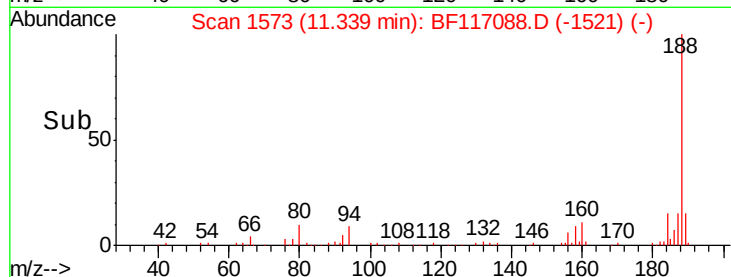
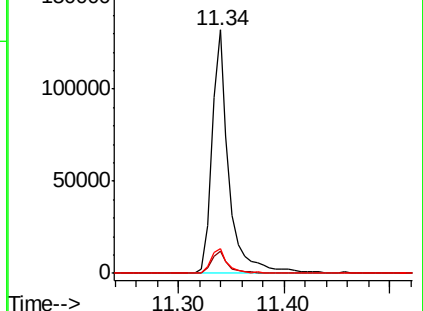
80 9.9 9.0 13.6



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: 3.768 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF117088.D

Acq: 17 Sep 2019 3:44

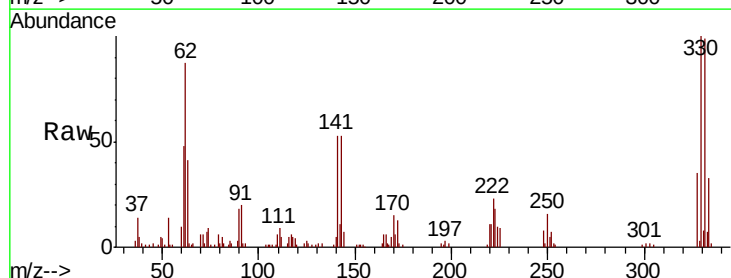
Tgt Ion:248 Resp: 5694

Ion Ratio Lower Upper

248 100

250 189.8 76.2 114.4#

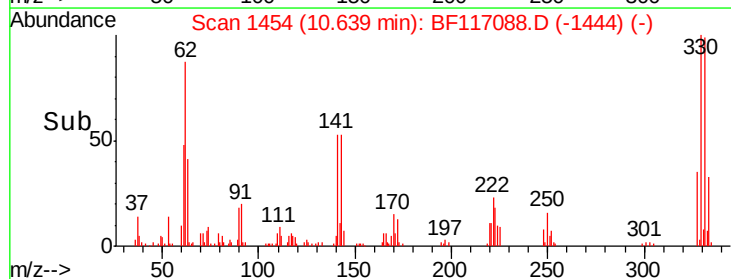
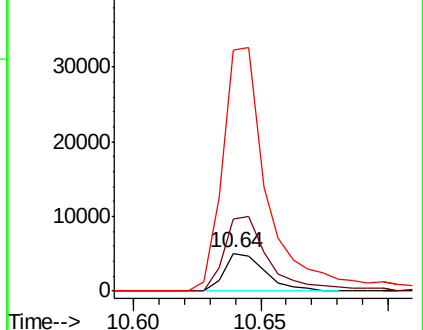
141 635.9 75.0 112.4#

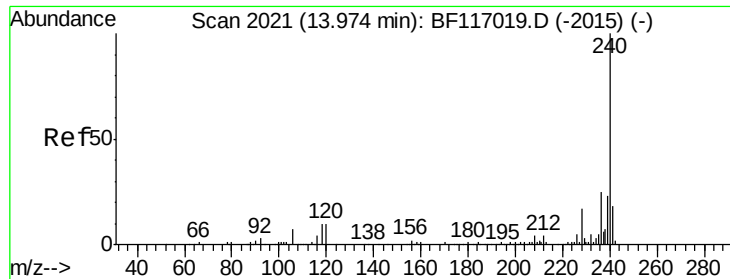


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

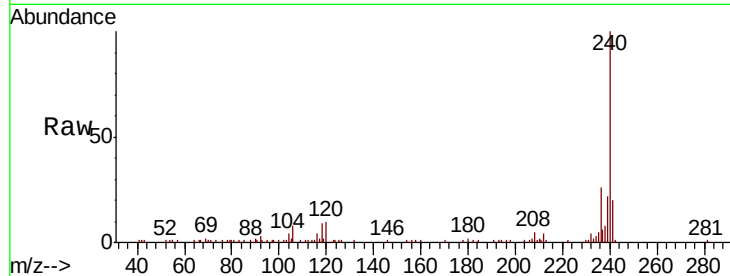




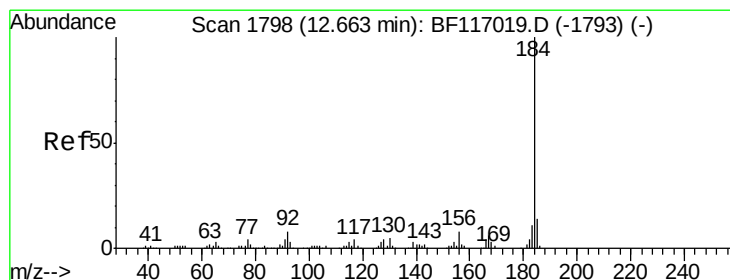
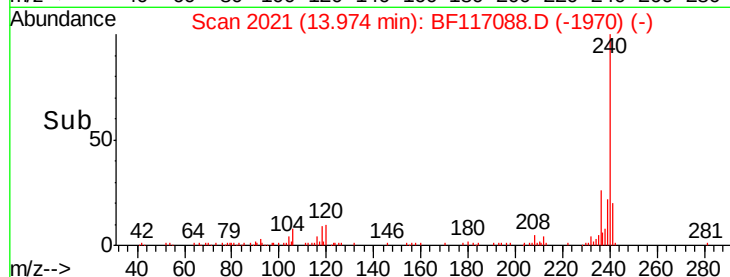
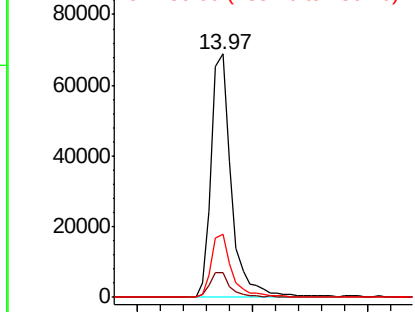
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117088.D
Acq: 17 Sep 2019 3:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 84184
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 26.1 20.3 30.5

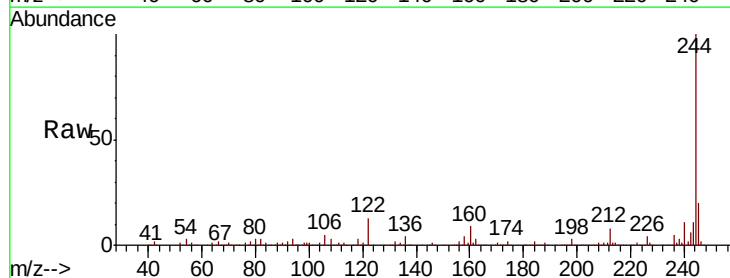


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

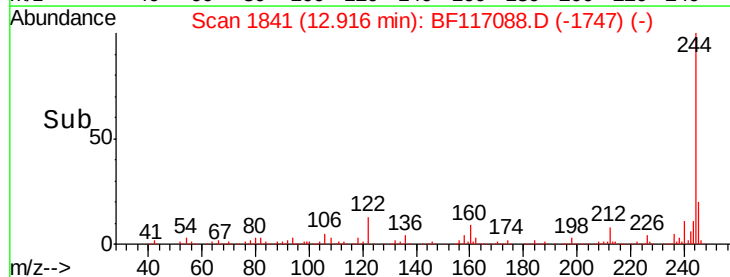
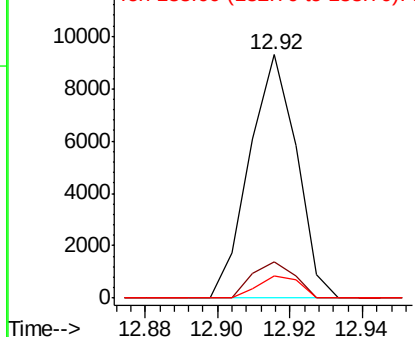


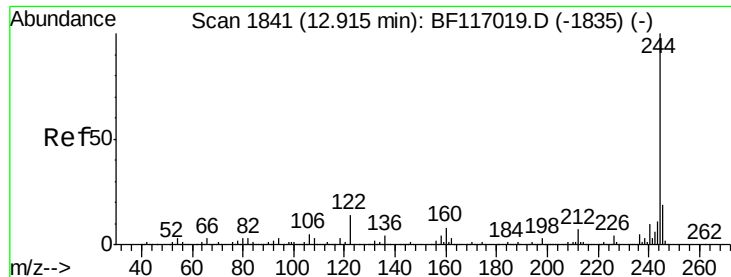
#77
Benzidine
Concen: 3.102 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117088.D
Acq: 17 Sep 2019 3:44

Tgt Ion:184 Resp: 8411
Ion Ratio Lower Upper
184 100
185 15.1 11.6 17.4
183 8.9 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

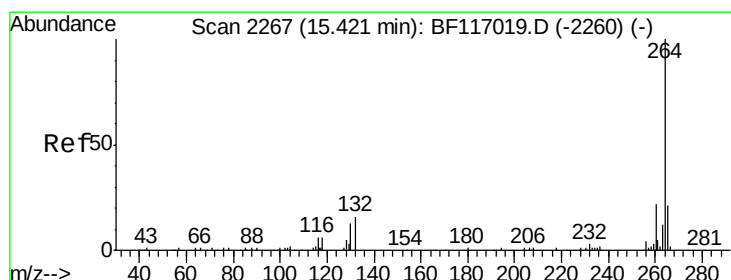
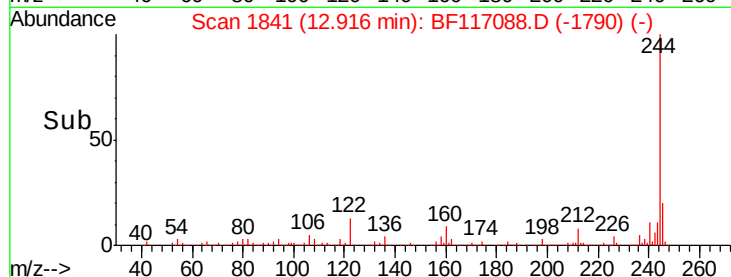
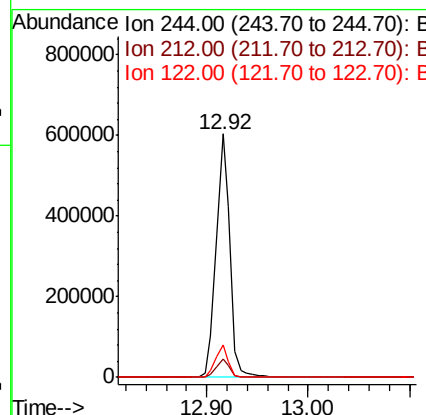
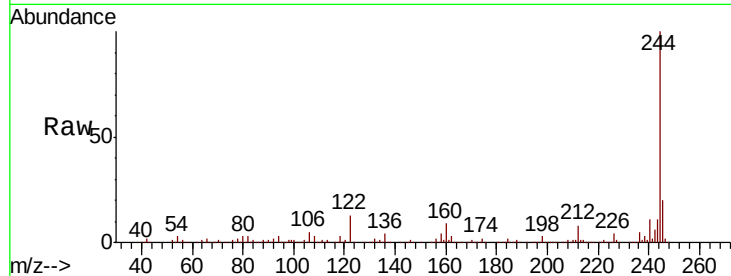




#79
 Terphenyl-d14
 Concen: 126.337 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117088.D
 Acq: 17 Sep 2019 3:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	13.4	11.3	16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. 0.00 min
 Lab File: BF117088.D
 Acq: 17 Sep 2019 3:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.6	26.4
265	20.4	16.6	24.8

