

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117083.D
 Acq On : 17 Sep 2019 1:31
 Operator : HP/JU
 Sample : K4862-11
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:18:19 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

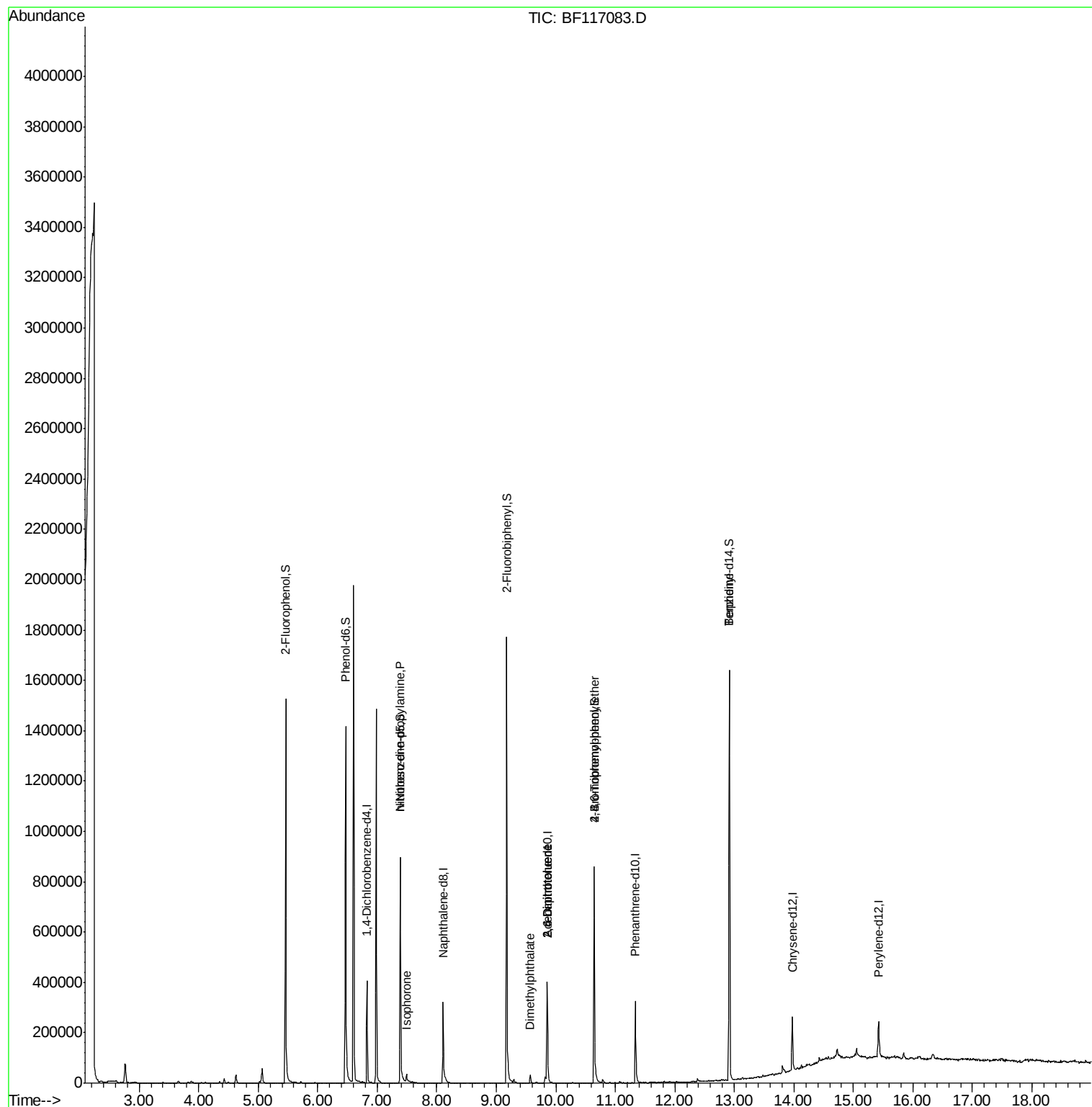
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	57748	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	212426	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	95642	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	145410	20.00	ng	0.00
76) Chrysene-d12	13.97	240	82121	20.00	ng	0.00
87) Perylene-d12	15.42	264	65423	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	444055	120.05	ng	0.02
7) Phenol-d6	6.47	99	523028	109.41	ng	0.01
23) Nitrobenzene-d5	7.39	82	342439	84.70	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	108191	135.35	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	613360	100.27	ng	0.00
79) Terphenyl-d14	12.92	244	536215	122.05	ng	0.00
Target Compounds						
9) Benzaldehyde	6.47	77	709	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.39	70	46437	15.953 ng	#	80
25) Isophorone	7.49	82	19962	2.789 ng	#	75
50) Dimethylphthalate	9.57	163	19283	2.847 ng	#	97
51) 2,6-Dinitrotoluene	9.86	165	11774	8.537 ng	#	24
57) 2,4-Dinitrotoluene	9.86	165	11774	6.577 ng	#	18
67) 4-Bromophenyl-phenylether	10.65	248	6819	4.592 ng	#	1
77) Benzidine	12.92	184	8166	3.087 ng	#	90

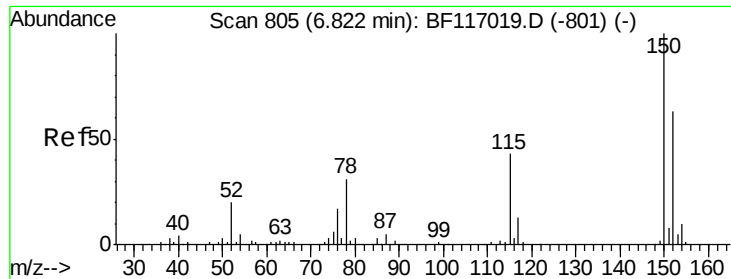
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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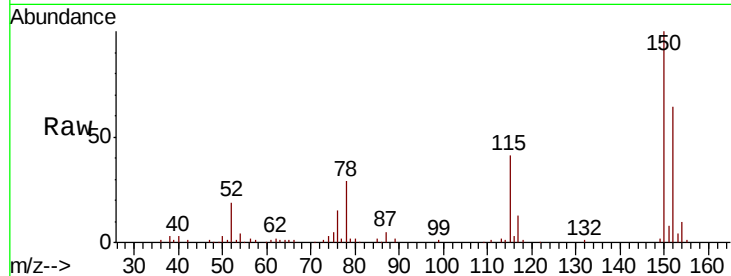


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117083.D
Acq: 17 Sep 2019 1:31

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	127.5	191.3
115	63.8	55.0	82.4

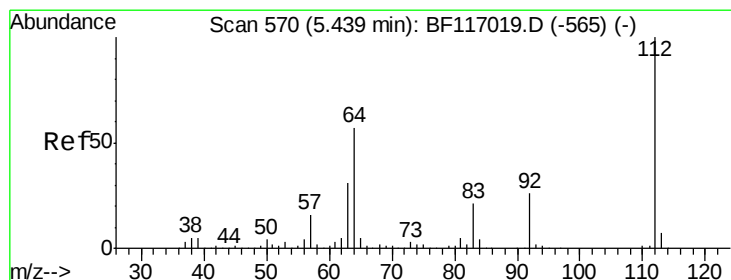
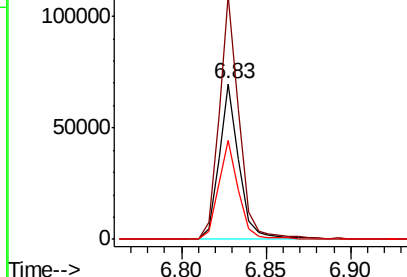
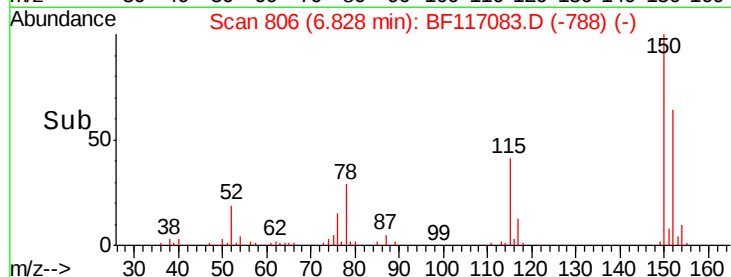


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

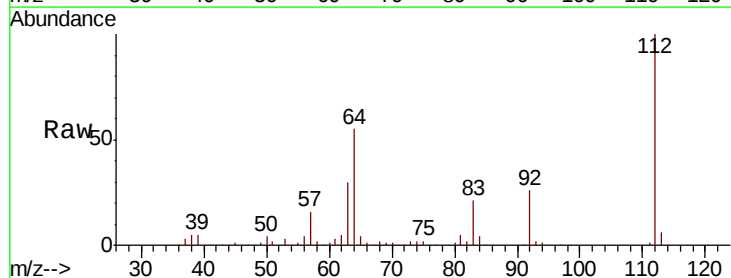
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.053 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.02 min
Lab File: BF117083.D
Acq: 17 Sep 2019 1:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	45.7	68.5
63	30.1	24.9	37.3

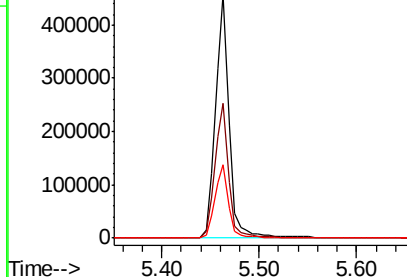
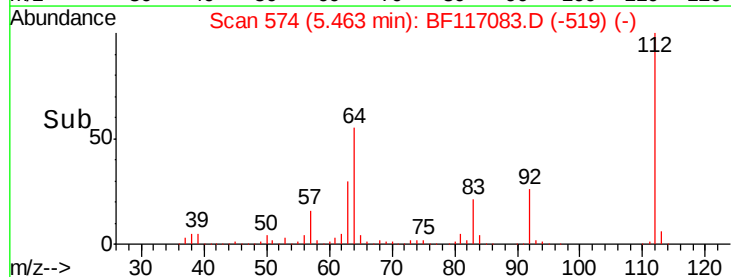


Abundance

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: 109.415 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117083.D

Acq: 17 Sep 2019 1:31

Instrument :

BNA_F

ClientSampleId :

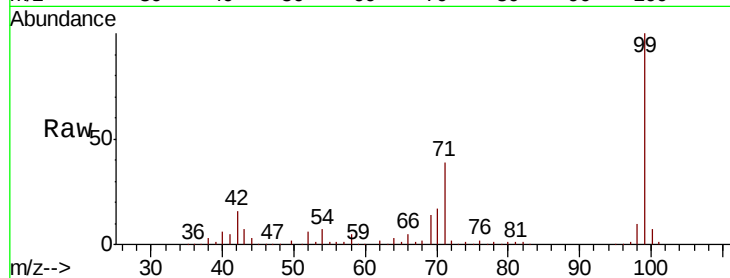
Tot Ion: 99 Resp: 523028

Ion Ratio Lower Upper

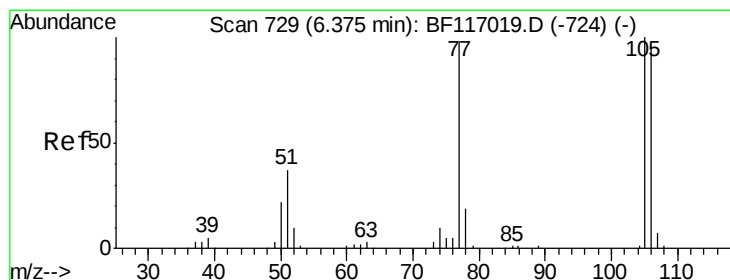
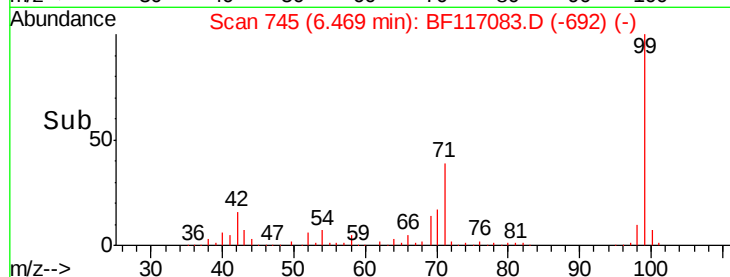
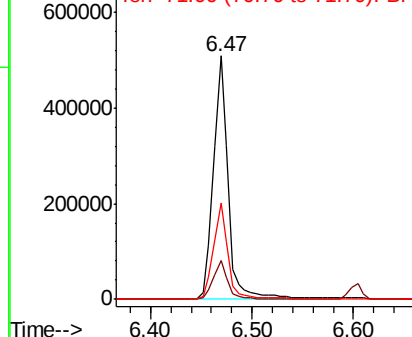
99 100

42 16.1 12.2 18.2

71 39.5 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: BF117083.D

Acq: 17 Sep 2019 1:31

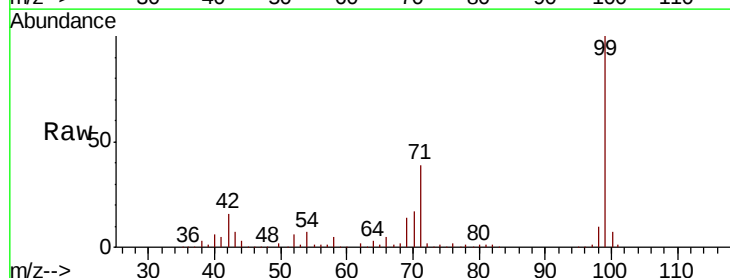
Tgt Ion: 77 Resp: 709

Ion Ratio Lower Upper

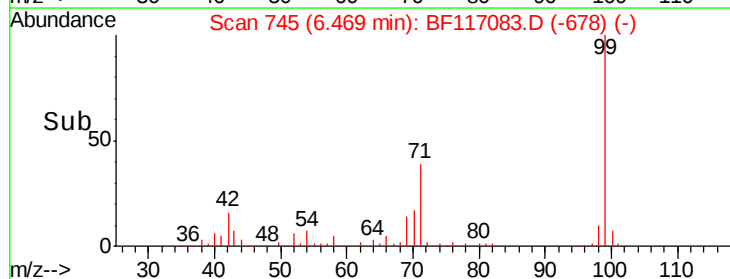
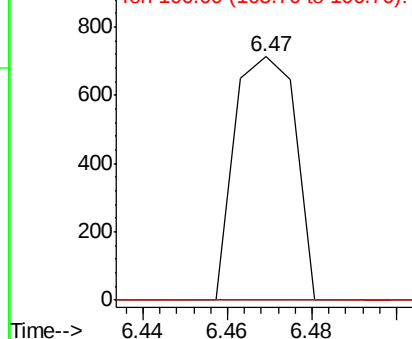
77 100

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

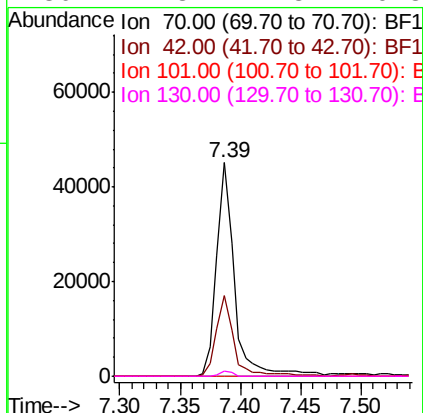
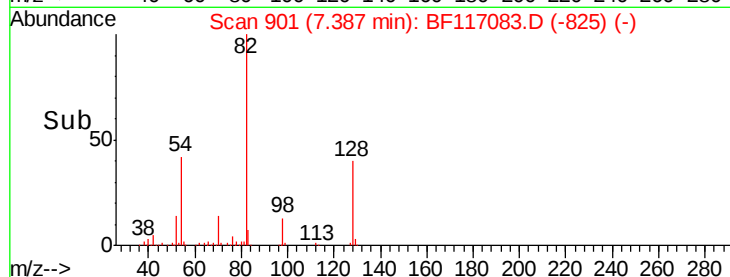
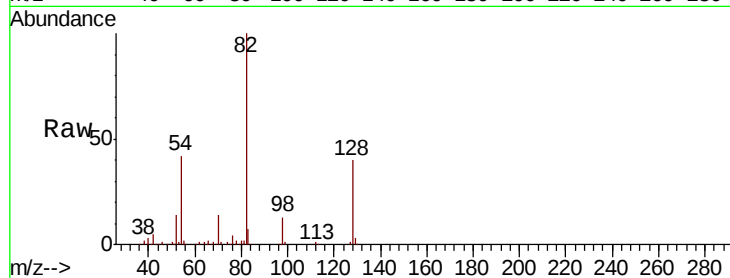




#19
n-Nitroso-di-n-propylamine
Concen: 15.953 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117083.D
Acq: 17 Sep 2019 1:31

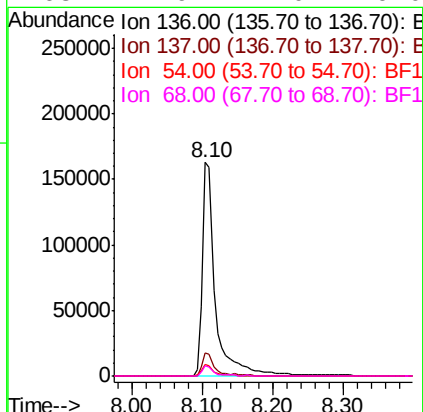
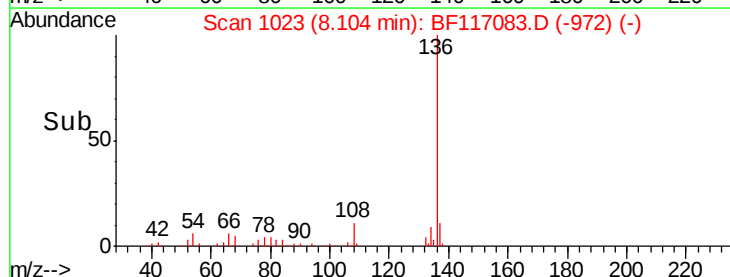
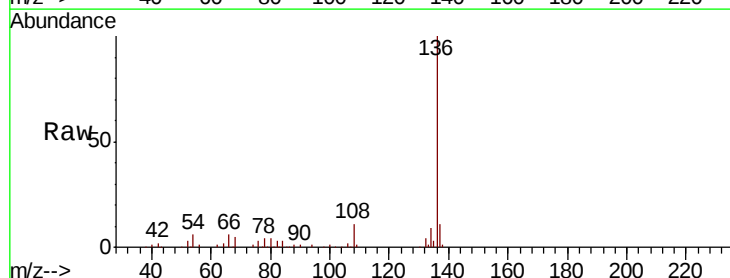
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 46437
Ion Ratio Lower Upper
70 100
42 37.9 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: BF117083.D
Acq: 17 Sep 2019 1:31

Tgt Ion: 136 Resp: 212426
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 5.7 4.5 6.7
68 4.9 4.0 6.0

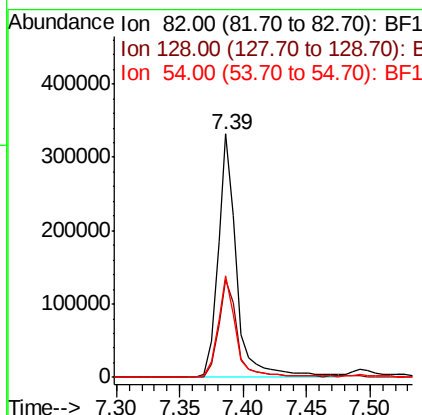
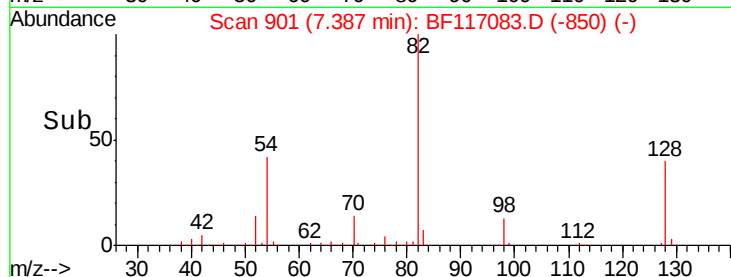
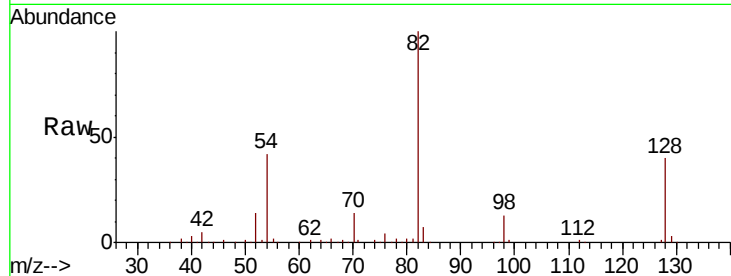




#23
 Nitrobenzene-d5
 Concen: 84.700 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117083.D
 Acq: 17 Sep 2019 1:31

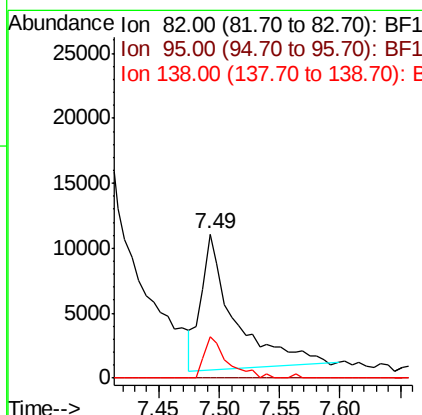
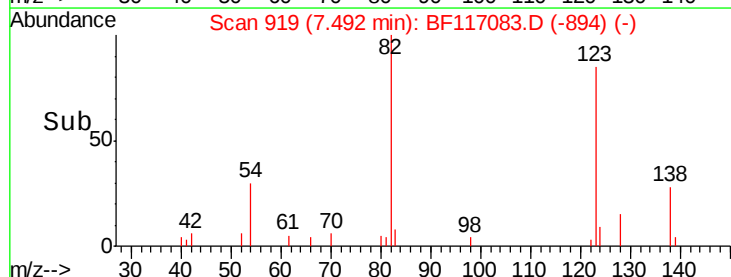
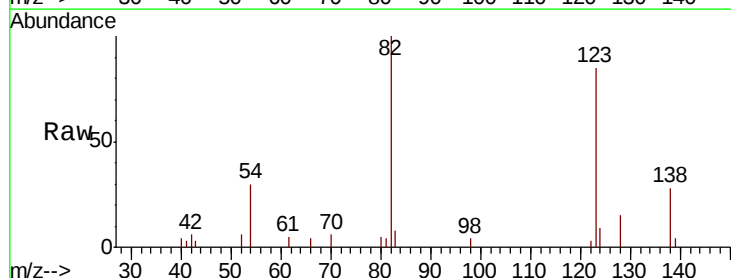
Instrument :
 BNA_F
 ClientSampled :

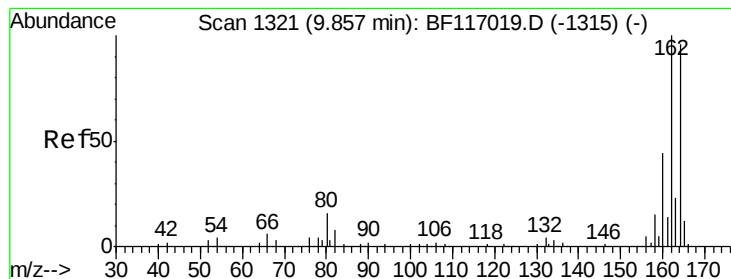
Tot Ion	82	Resp	342439
Ion Ratio	Lower	Upper	
82	100		
128	40.2	32.3	48.5
54	41.7	33.3	49.9



#25
 Isophorone
 Concen: 2.789 ng
 RT: 7.49 min Scan# 919
 Delta R.T. -0.15 min
 Lab File: BF117083.D
 Acq: 17 Sep 2019 1:31

Tgt Ion	82	Resp	19962
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	28.5	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: BF117083.D

Acq: 17 Sep 2019 1:31

Instrument :

BNA_F

ClientSampleId :

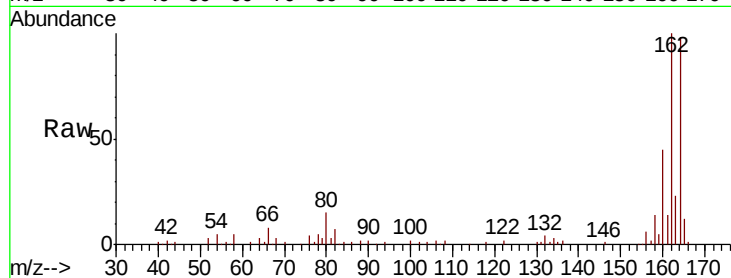
Tot Ion:164 Resp: 95642

Ion Ratio Lower Upper

164 100

162 102.1 83.4 125.2

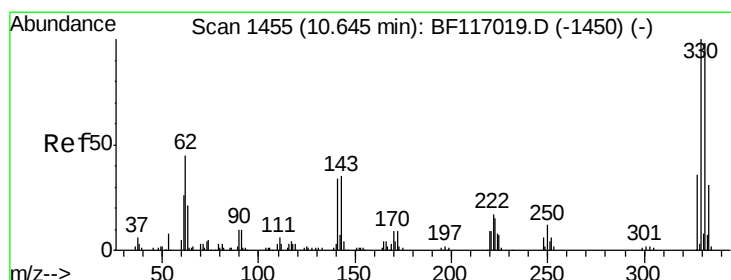
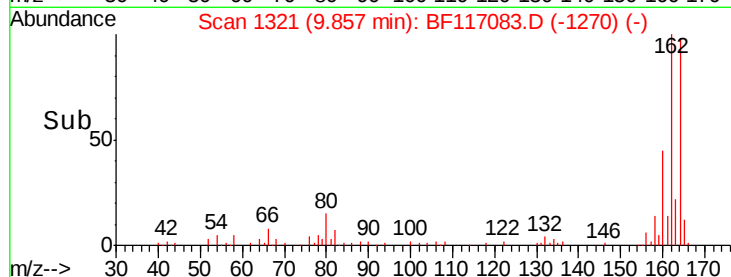
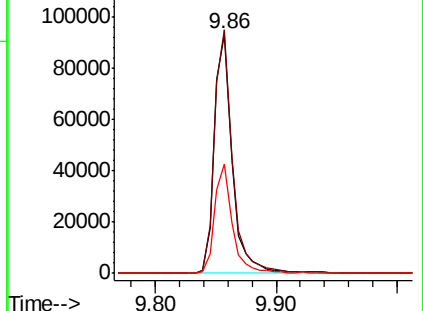
160 45.8 36.4 54.6



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: 135.349 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF117083.D

Acq: 17 Sep 2019 1:31

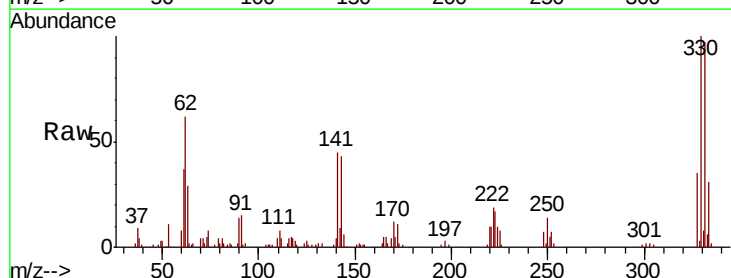
Tgt Ion:330 Resp: 108191

Ion Ratio Lower Upper

330 100

332 96.3 78.0 117.0

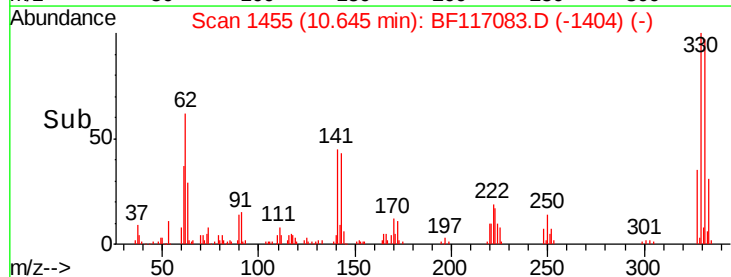
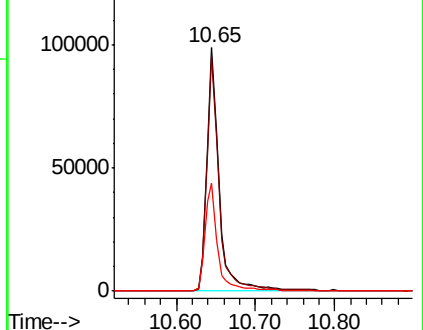
141 44.2 35.8 53.6



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

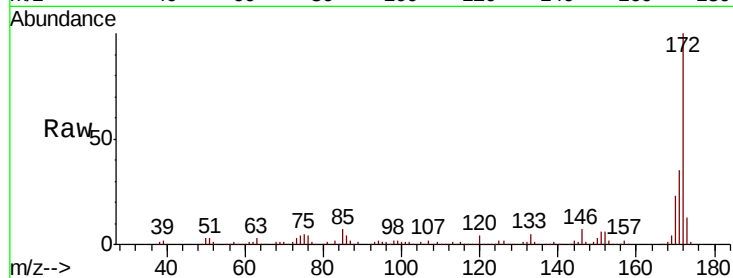




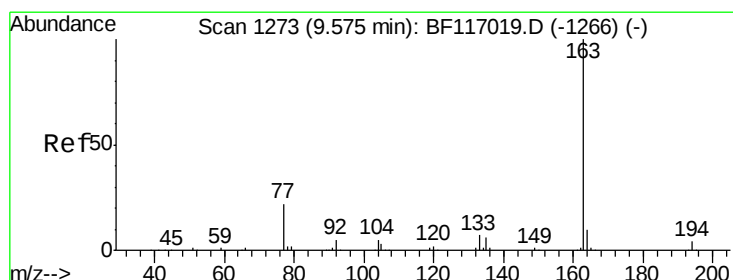
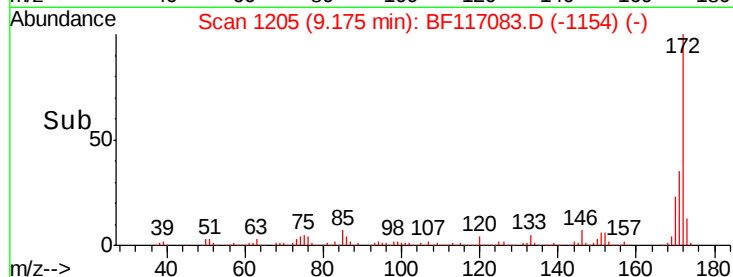
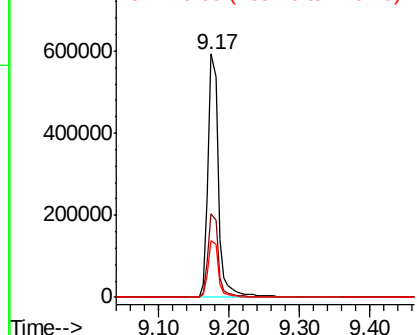
#45
 2-Fluorobiphenyl
 Concen: 100.273 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117083.D
 Acq: 17 Sep 2019 1:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 613360
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.2 42.2
 170 23.3 18.9 28.3

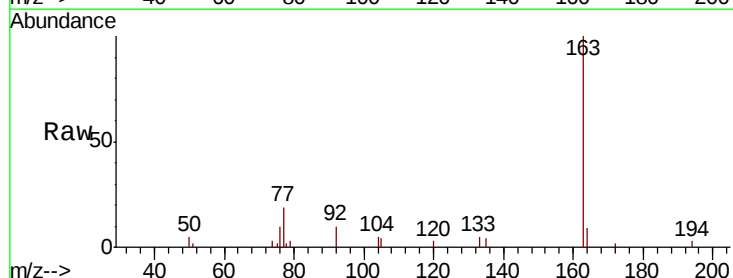


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

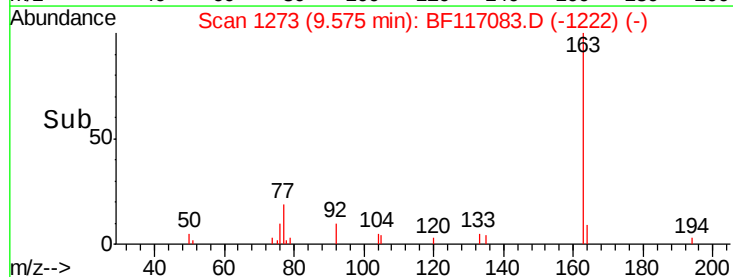
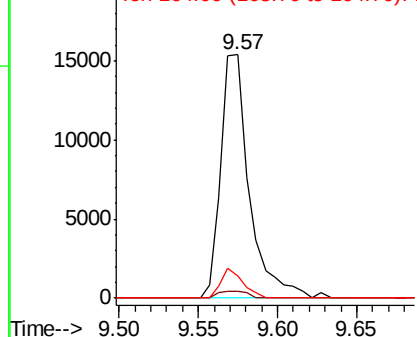


#50
 Dimethylphthalate
 Concen: 2.847 ng
 RT: 9.57 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: BF117083.D
 Acq: 17 Sep 2019 1:31

Tgt Ion:163 Resp: 19283
 Ion Ratio Lower Upper
 163 100
 194 2.8 2.9 4.3#
 164 9.3 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: 8.537 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.22 min

Lab File: BF117083.D

Acq: 17 Sep 2019 1:31

Instrument :

BNA_F

ClientSampleId :

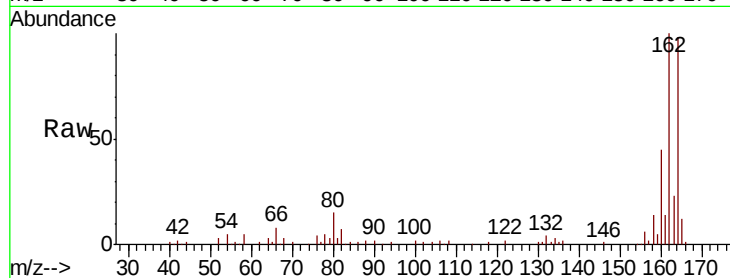
Tot Ion:165 Resp: 11774

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

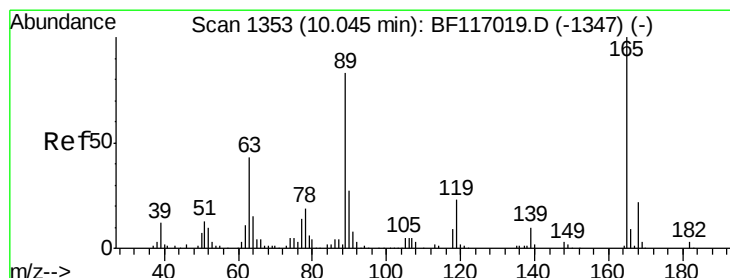
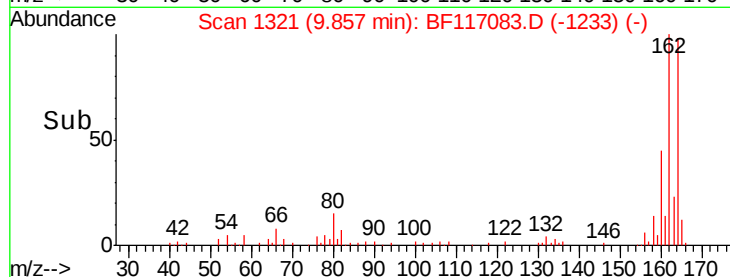
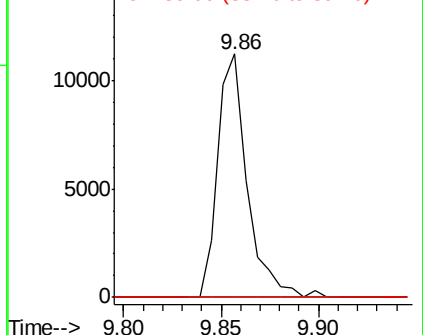
89 0.0 46.5 69.7#



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: 6.577 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.19 min

Lab File: BF117083.D

Acq: 17 Sep 2019 1:31

Tgt Ion:165 Resp: 11774

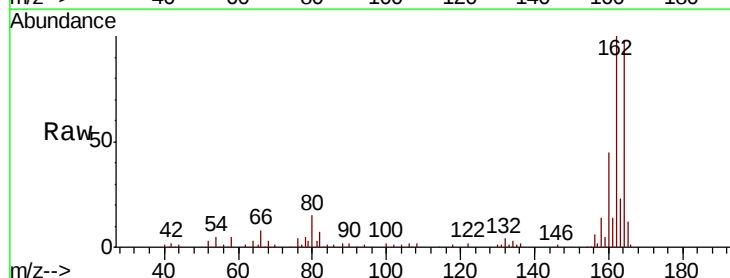
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.4#

89 0.0 66.1 99.1#

182 0.0 2.0 3.0#

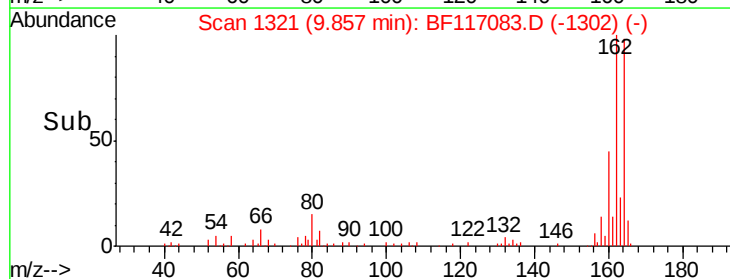
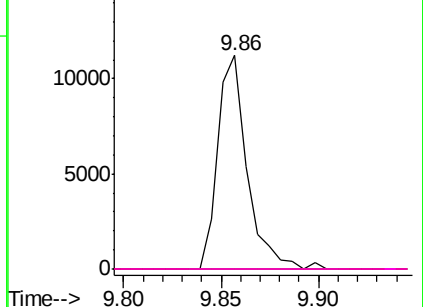


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF117083.D

Acq: 17 Sep 2019 1:31

Instrument :

BNA_F

ClientSampleId :

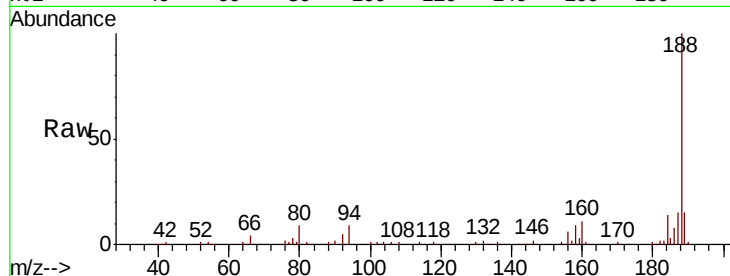
Tot Ion:188 Resp: 145410

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

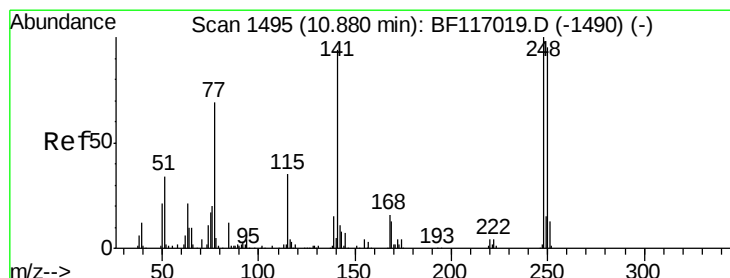
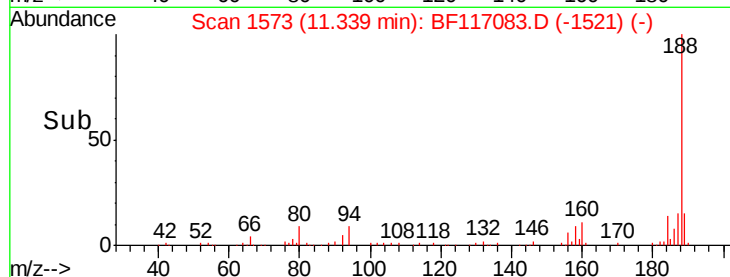
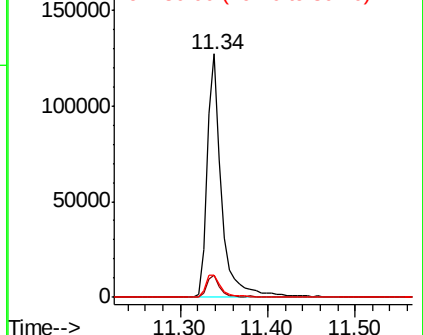
80 9.2 9.0 13.6



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: 4.592 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.24 min

Lab File: BF117083.D

Acq: 17 Sep 2019 1:31

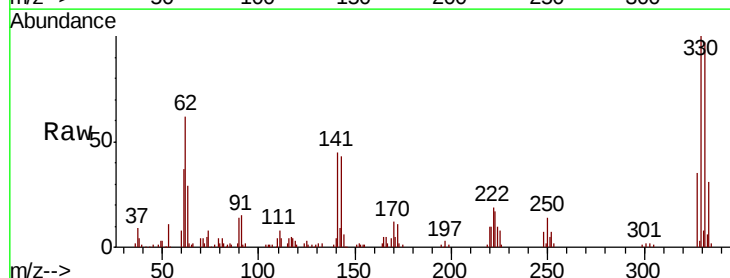
Tgt Ion:248 Resp: 6819

Ion Ratio Lower Upper

248 100

250 218.0 76.2 114.4#

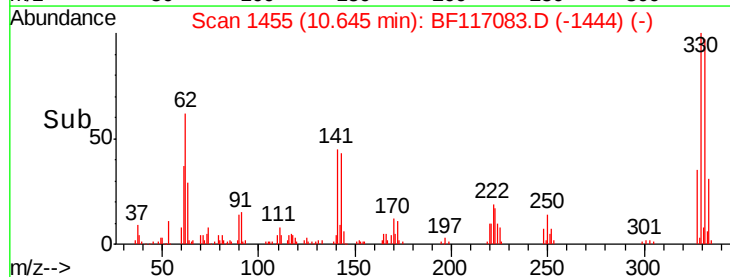
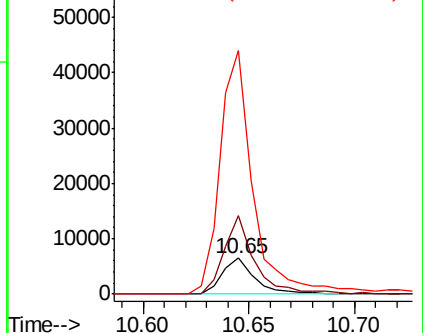
141 673.1 75.0 112.4#

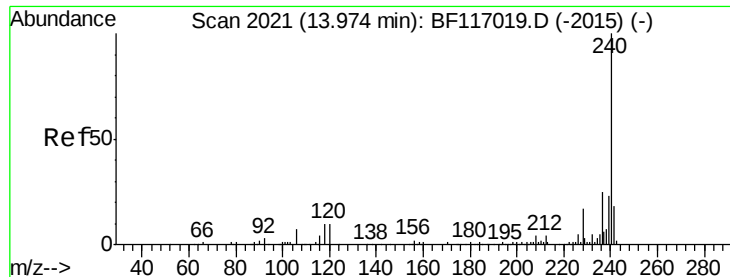


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

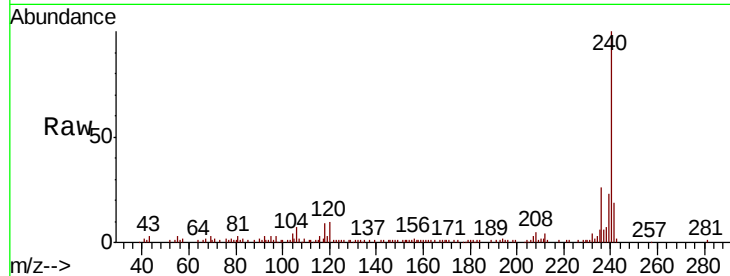




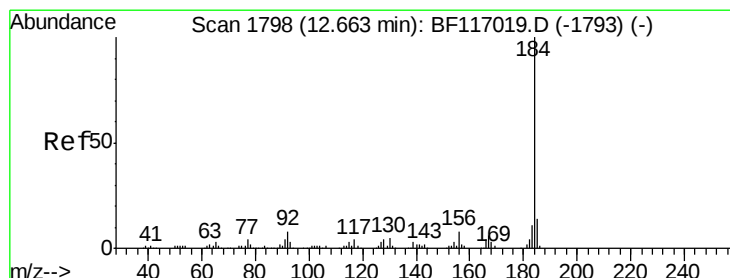
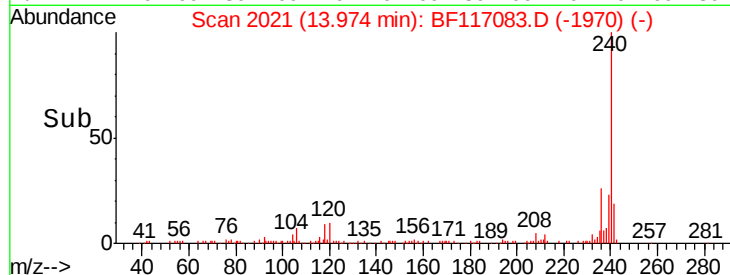
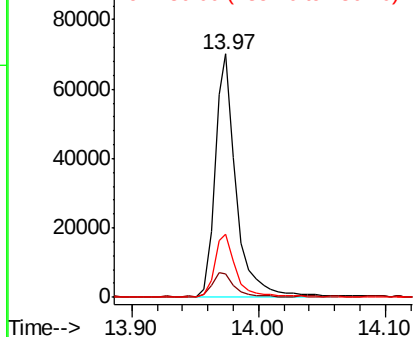
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117083.D
Acq: 17 Sep 2019 1:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 82121
Ion Ratio Lower Upper
240 100
120 9.5 8.3 12.5
236 25.7 20.3 30.5

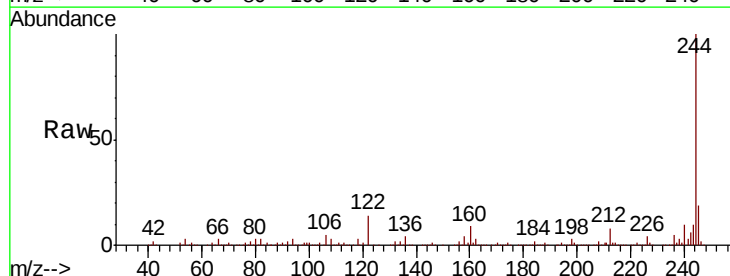


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

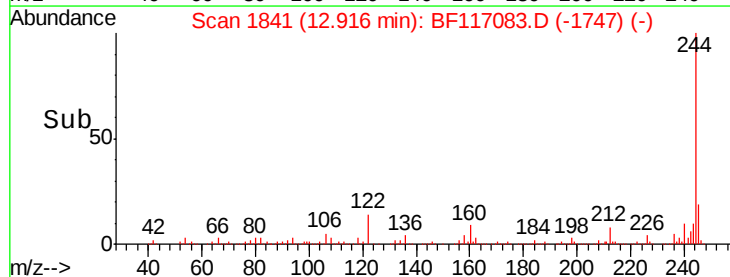
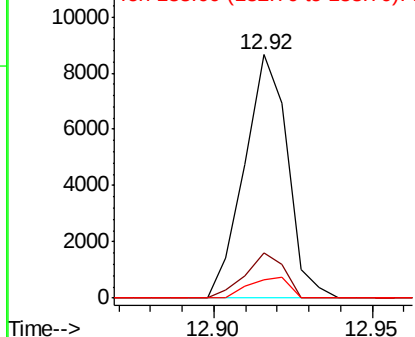


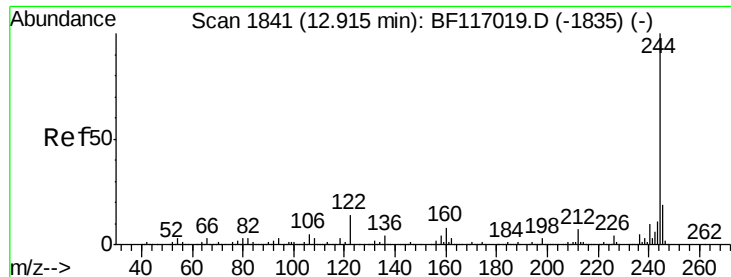
#77
Benzidine
Concen: 3.087 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117083.D
Acq: 17 Sep 2019 1:31

Tgt Ion:184 Resp: 8166
Ion Ratio Lower Upper
184 100
185 18.4 11.6 17.4#
183 7.6 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

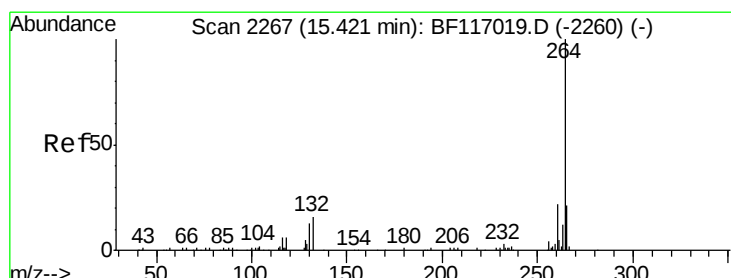
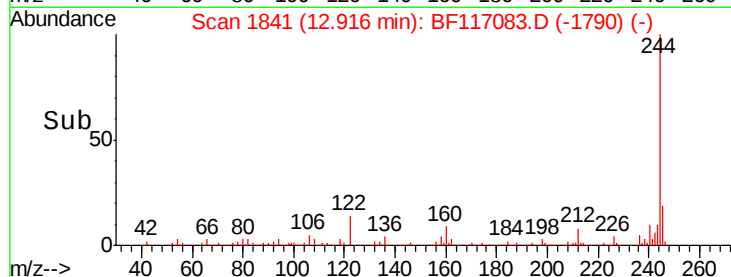
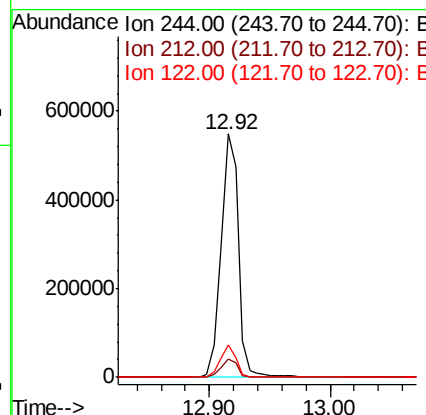
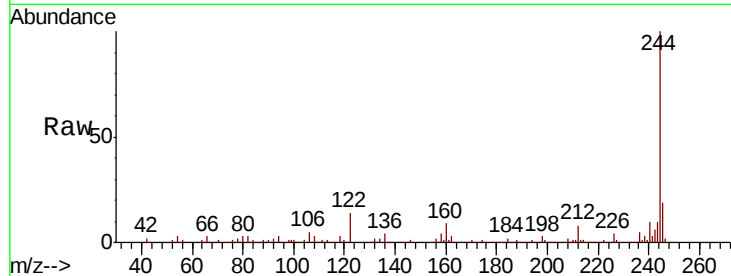




#79
 Terphenyl-d14
 Concen: 122.052 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117083.D
 Acq: 17 Sep 2019 1:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 536215
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 13.5 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: BF117083.D
 Acq: 17 Sep 2019 1:31

Tgt Ion:264 Resp: 65423
 Ion Ratio Lower Upper
 264 100
 260 23.4 17.6 26.4
 265 20.9 16.6 24.8

