

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091919\
 Data File : BF117178.D
 Acq On : 19 Sep 2019 16:55
 Operator : HP/JU
 Sample : K4957-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 20 01:34:28 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

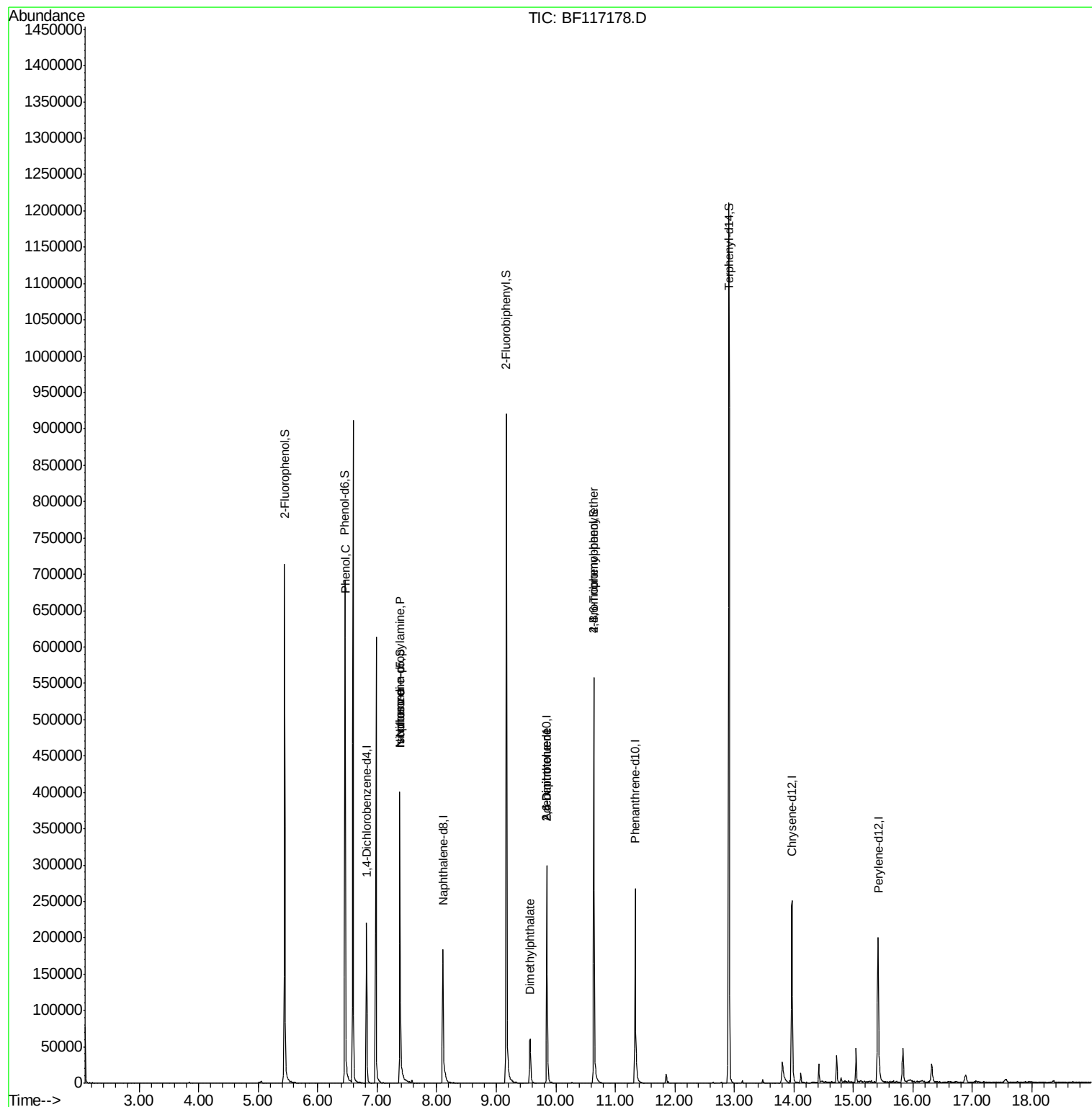
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	32247	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	129836	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	72333	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	127281	20.00	ng	0.00
76) Chrysene-d12	13.97	240	107493	20.00	ng	0.00
87) Perylene-d12	15.42	264	97771	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	197484	95.61	ng	0.00
7) Phenol-d6	6.46	99	273457	102.44	ng	0.00
23) Nitrobenzene-d5	7.38	82	169434	68.57	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	71639	118.50	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	330325	71.40	ng	0.00
79) Terphenyl-d14	12.91	244	403640	70.19	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	240	Below Cal	Qvalue	# 1
10) Phenol	6.47	94	10723	3.644 ng		87
19) n-Nitroso-di-n-propylamine	7.38	70	21925	13.489 ng	#	84
25) Isophorone	7.38	82	169432	38.725 ng	#	66
50) Dimethylphthalate	9.57	163	40506	7.909 ng		99
51) 2,6-Dinitrotoluene	9.85	165	9168	8.789 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	9168	6.771 ng	#	18
67) 4-Bromophenyl-phenylether	10.64	248	4401	3.386 ng	#	1

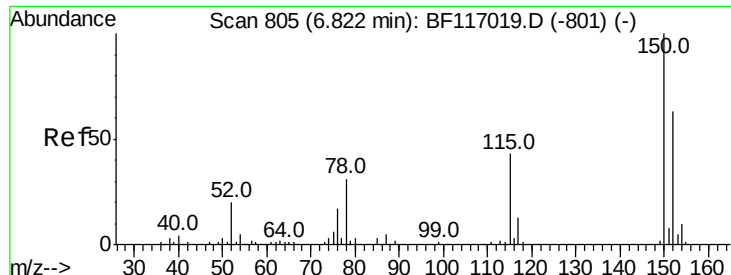
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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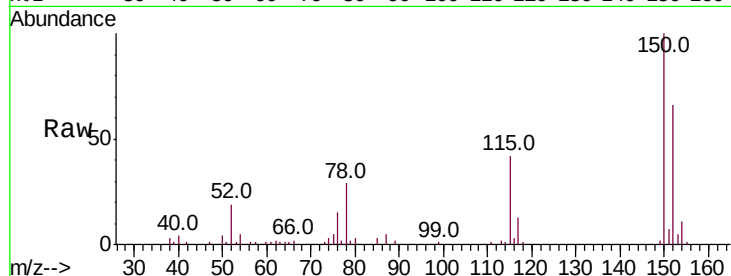


#1

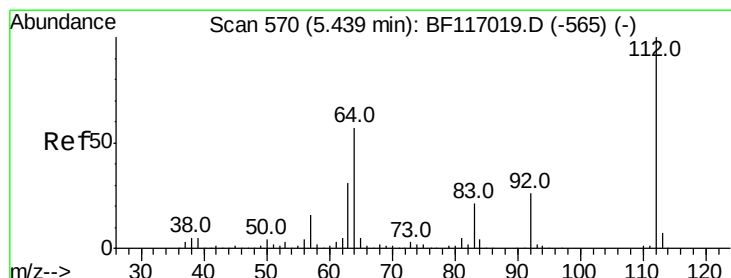
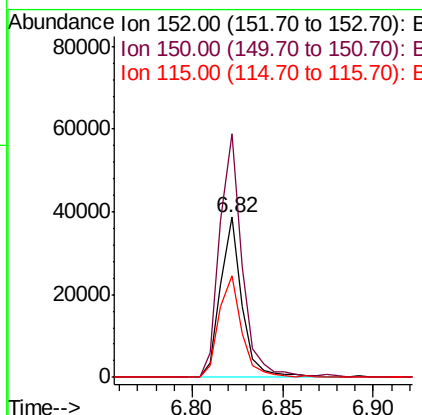
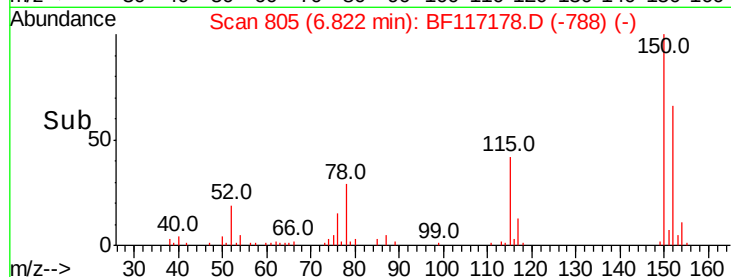
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117178.D
Acq: 19 Sep 2019 16:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 32247
Ion Ratio Lower Upper
152 100
150 152.2 127.5 191.3
115 63.5 55.0 82.4



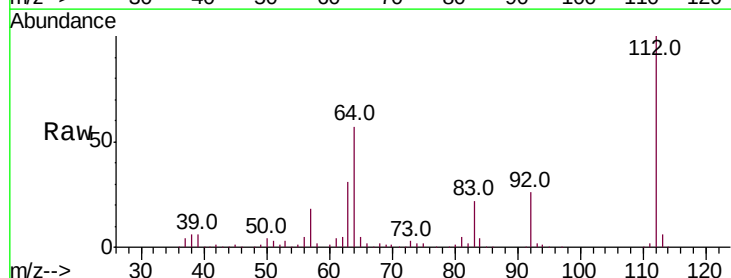
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



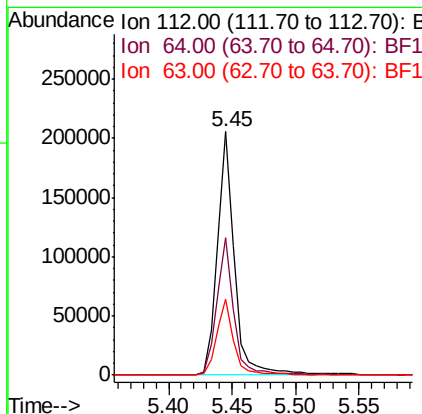
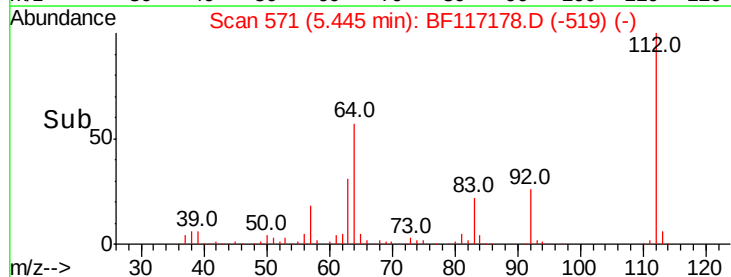
#5

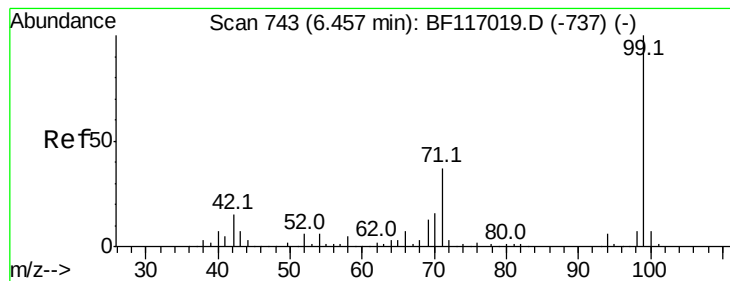
2-Fluorophenol
Concen: 95.612 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117178.D
Acq: 19 Sep 2019 16:55

Tgt Ion:112 Resp: 197484
Ion Ratio Lower Upper
112 100
64 56.6 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: 102.444 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117178.D

Acq: 19 Sep 2019 16:55

Instrument :

BNA_F

ClientSampleId :

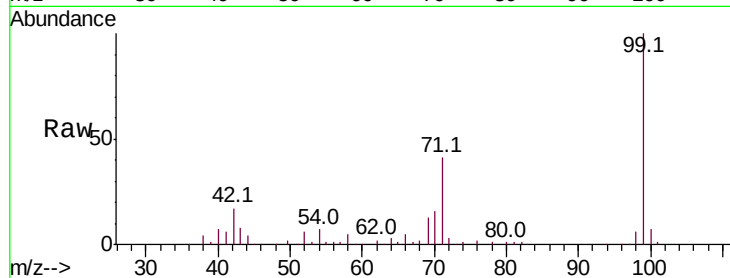
Tot Ion: 99 Resp: 273457

Ion Ratio Lower Upper

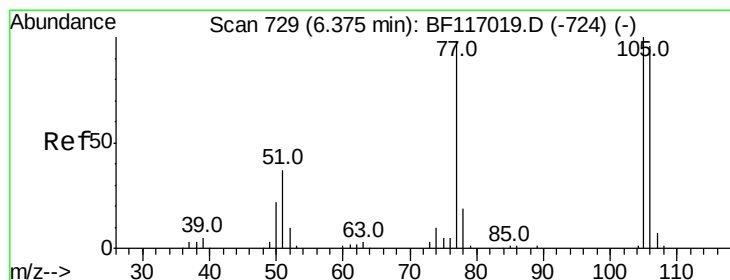
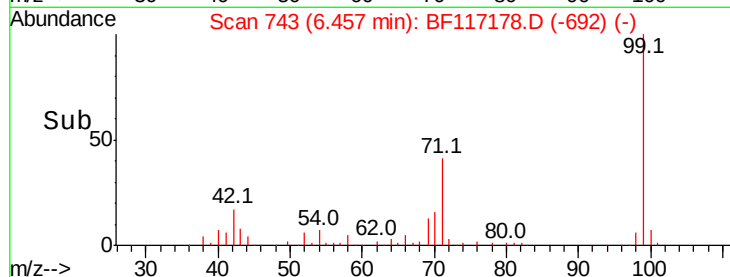
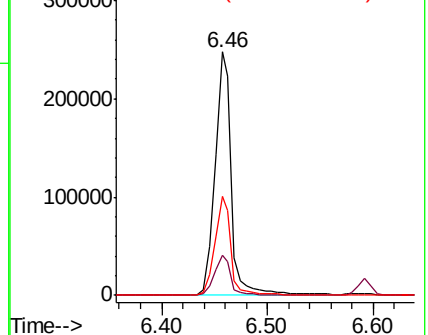
99 100

42 16.7 12.2 18.2

71 40.8 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: 6.45 min Scan# 742

Delta R.T. 0.08 min

Lab File: BF117178.D

Acq: 19 Sep 2019 16:55

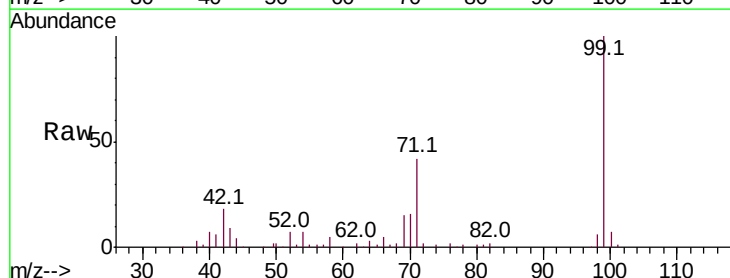
Tgt Ion: 77 Resp: 240

Ion Ratio Lower Upper

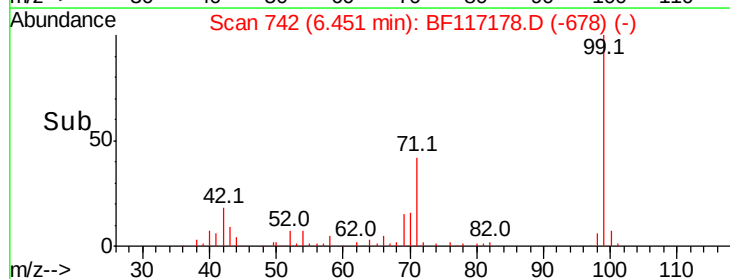
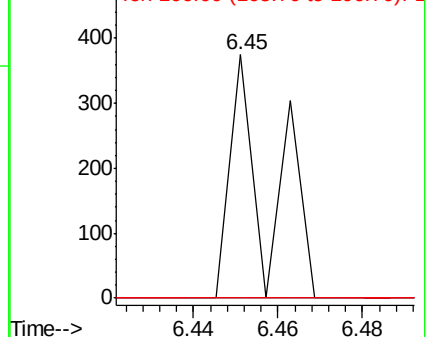
77 100

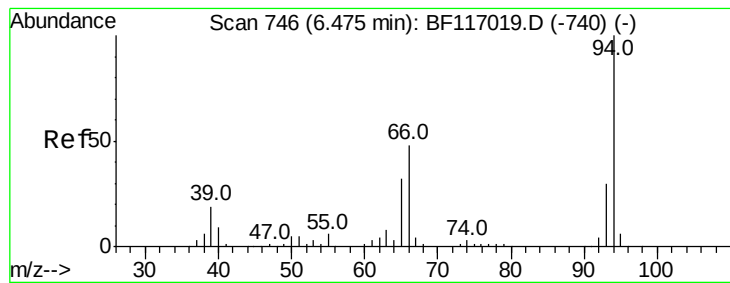
105 0.0 81.8 121.8#

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





#10

Phenol

Concen: 3.644 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117178.D

Acq: 19 Sep 2019 16:55

Instrument :

BNA_F

ClientSampleId :

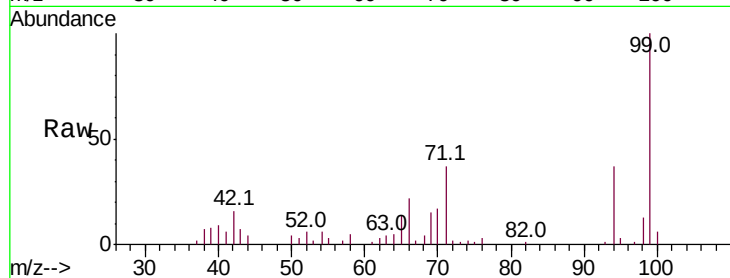
Tot Ion: 94 Resp: 10723

Ion Ratio Lower Upper

94 100

65 37.0 12.5 52.5

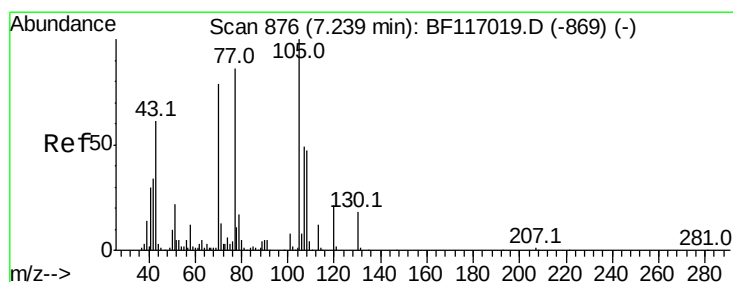
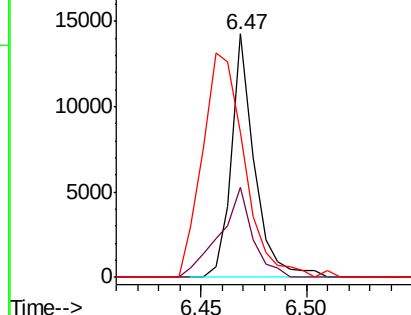
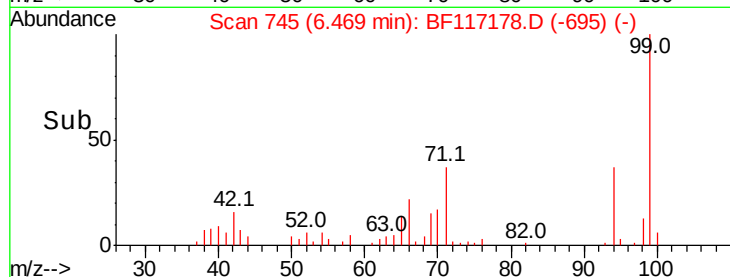
66 59.7 28.9 68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.489 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117178.D

Acq: 19 Sep 2019 16:55

Tgt Ion: 70 Resp: 21925

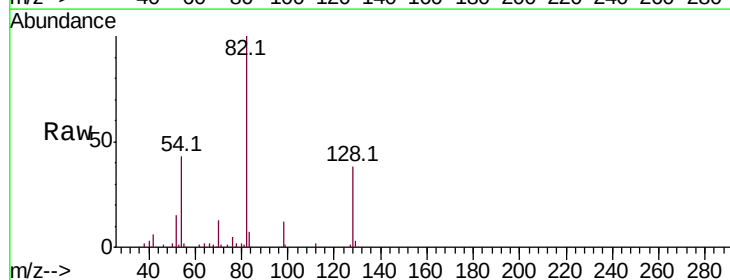
Ion Ratio Lower Upper

70 100

42 42.2 34.0 51.0

101 0.0 7.8 11.6#

130 3.2 17.8 26.8#

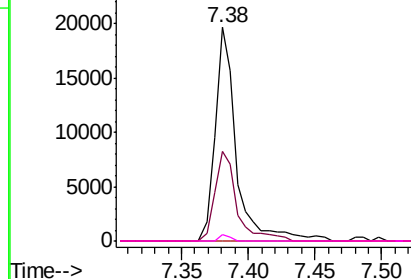
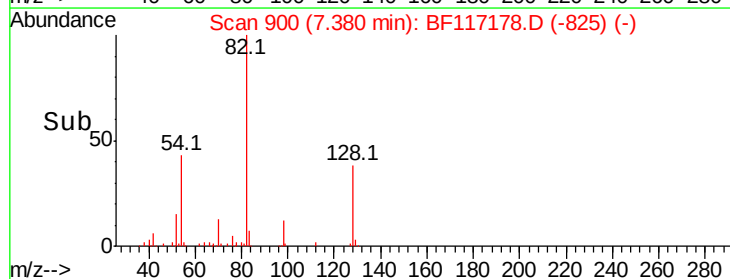


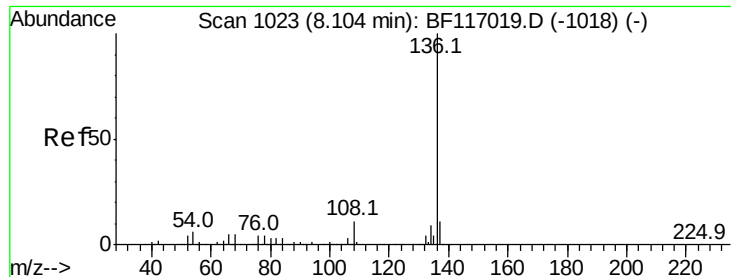
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

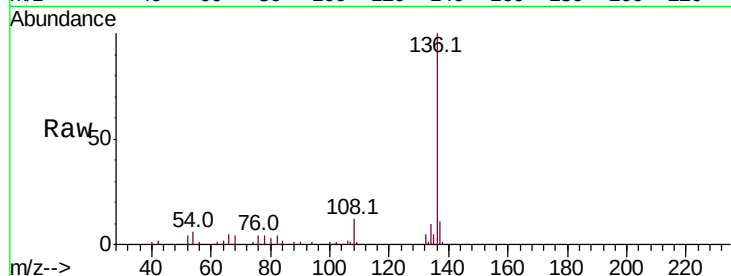




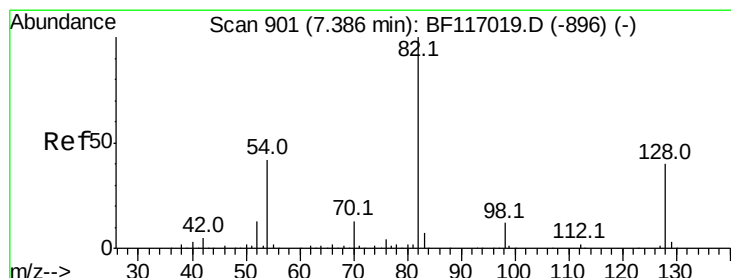
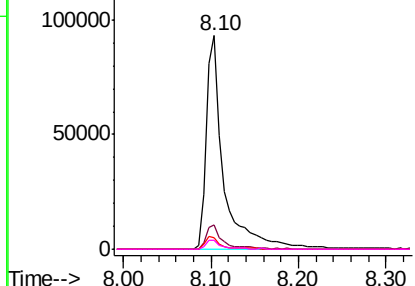
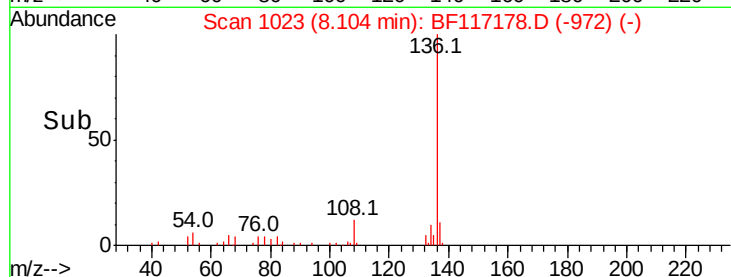
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117178.D
Acq: 19 Sep 2019 16:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	129836
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	5.5	4.5	6.7
68	4.1	4.0	6.0

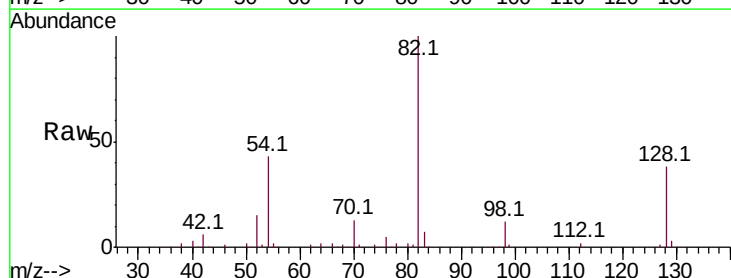


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

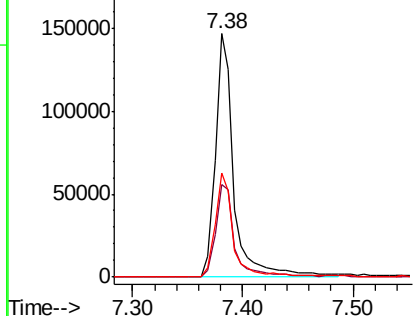
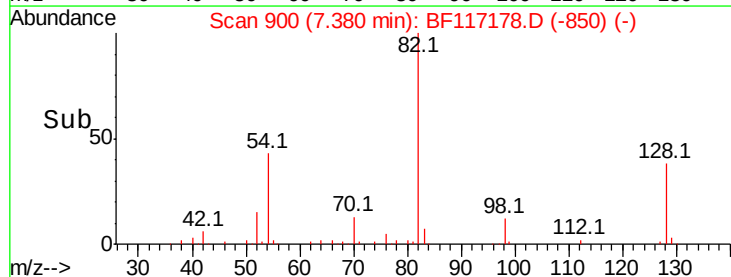


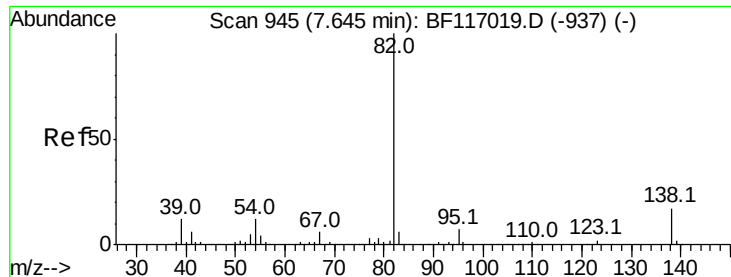
#23
Nitrobenzene-d5
Concen: 68.567 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117178.D
Acq: 19 Sep 2019 16:55

Tgt Ion:	82	Resp:	169434
Ion	Ratio	Lower	Upper
82	100		
128	38.1	32.3	48.5
54	42.8	33.3	49.9



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.725 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117178.D

Acq: 19 Sep 2019 16:55

Instrument :

BNA_F

ClientSampleId :

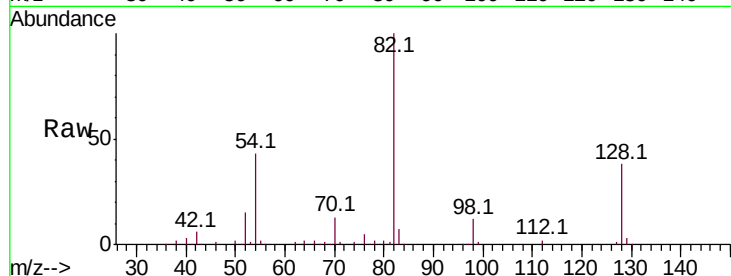
Tot Ion: 82 Resp: 169432

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

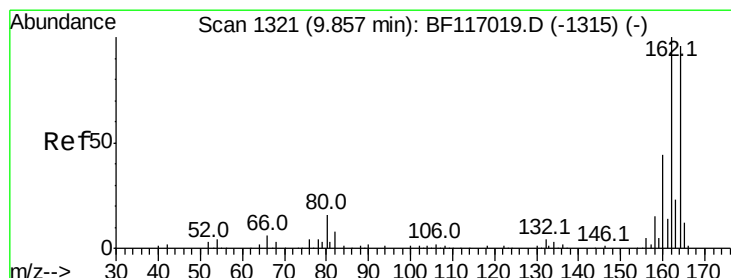
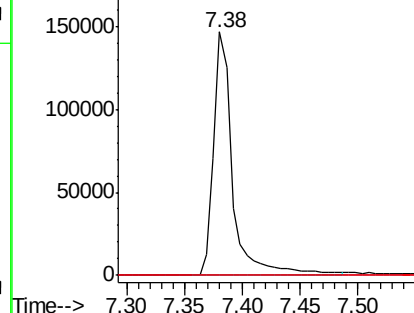
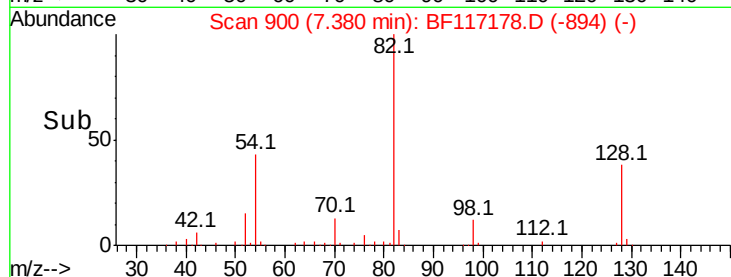
138 0.0 13.5 20.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117178.D

Acq: 19 Sep 2019 16:55

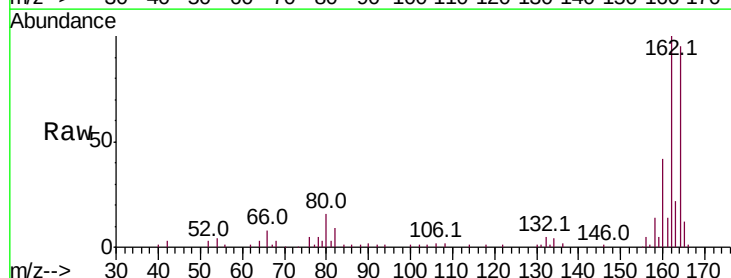
Tgt Ion: 164 Resp: 72333

Ion Ratio Lower Upper

164 100

162 105.2 83.4 125.2

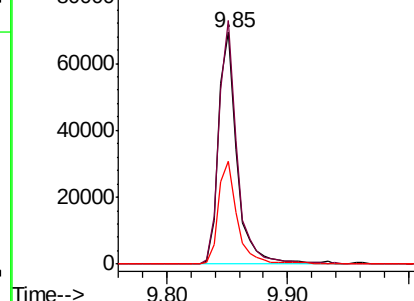
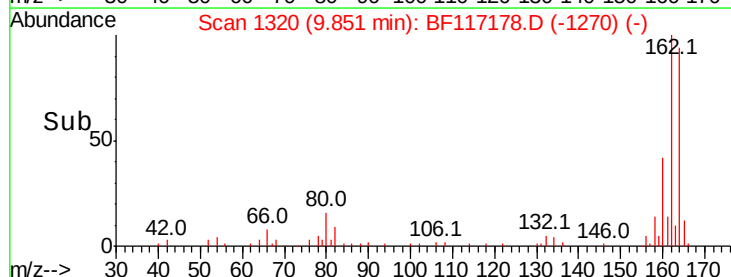
160 44.2 36.4 54.6

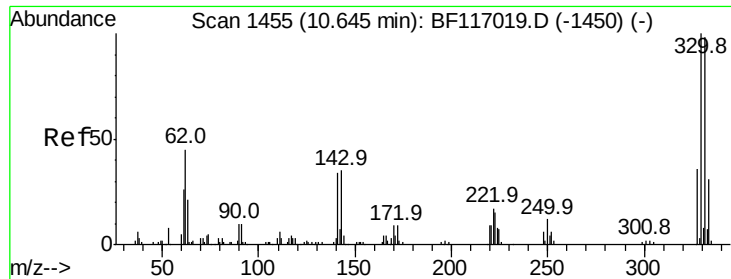


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

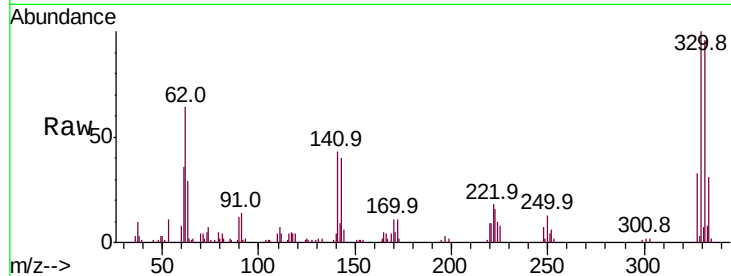




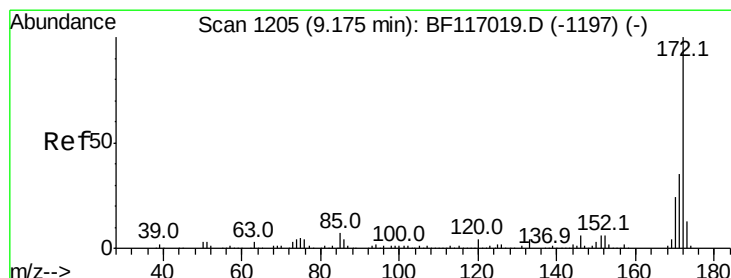
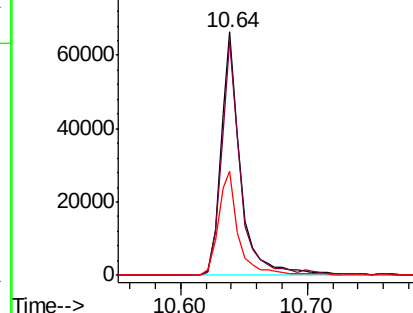
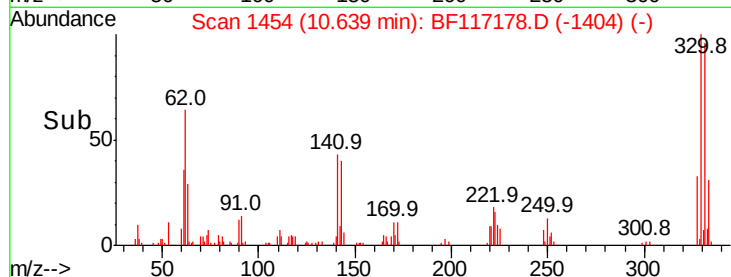
#42
 2,4,6-Tribromophenol
 Concen: 118.502 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117178.D
 Acq: 19 Sep 2019 16:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.5	78.0	117.0
141	44.5	35.8	53.6

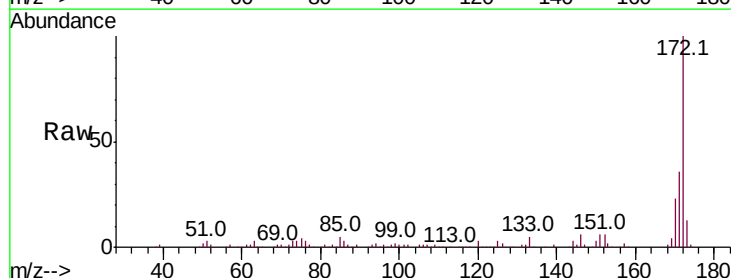


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

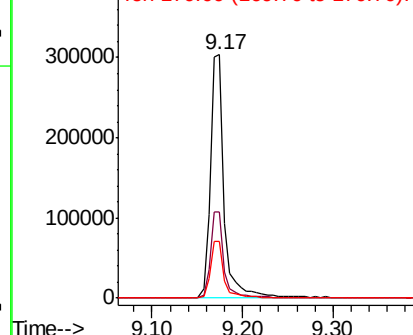
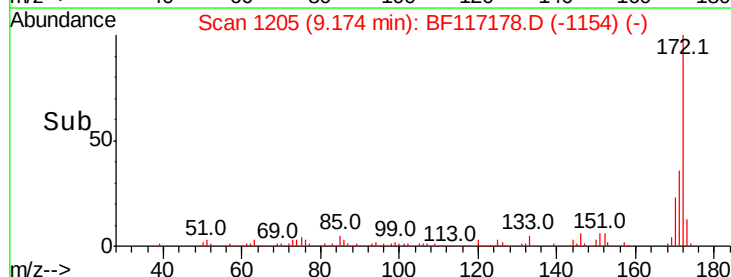


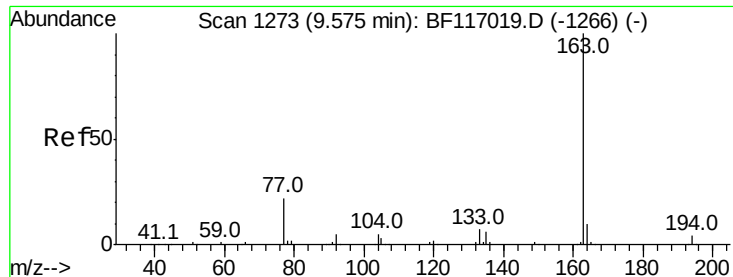
#45
 2-Fluorobiphenyl
 Concen: 71.404 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117178.D
 Acq: 19 Sep 2019 16:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.4	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: 7.909 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF117178.D

Acq: 19 Sep 2019 16:55

Instrument :

BNA_F

ClientSampleId :

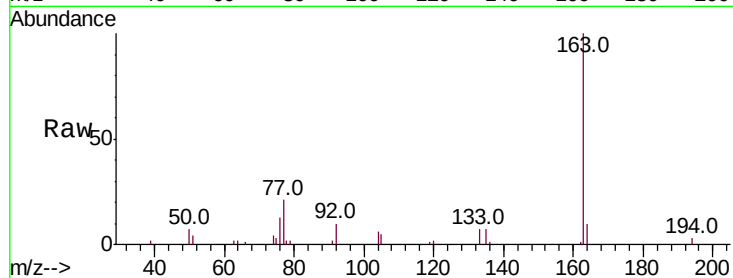
Tot Ion:163 Resp: 40506

Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

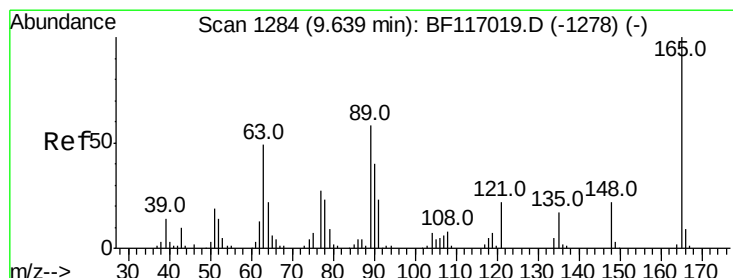
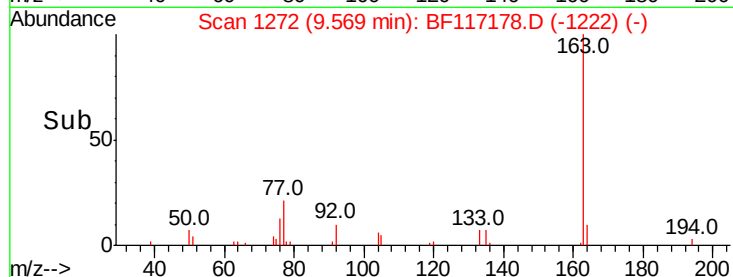
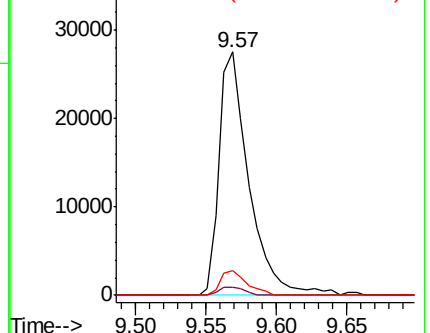
164 10.1 8.2 12.4



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: 8.789 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF117178.D

Acq: 19 Sep 2019 16:55

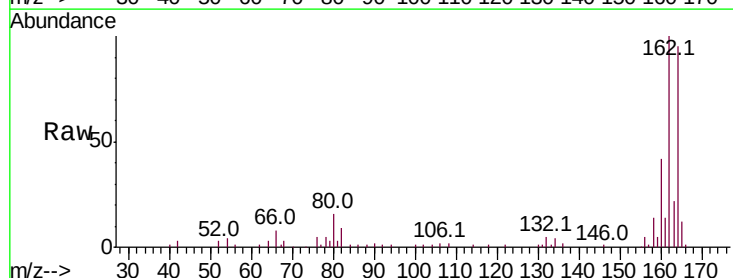
Tgt Ion:165 Resp: 9168

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

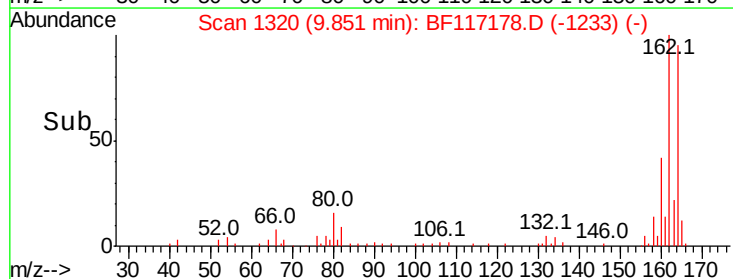
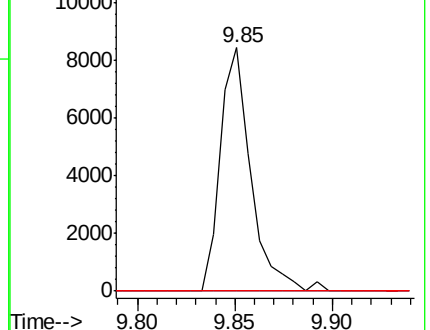
89 0.0 46.5 69.7#

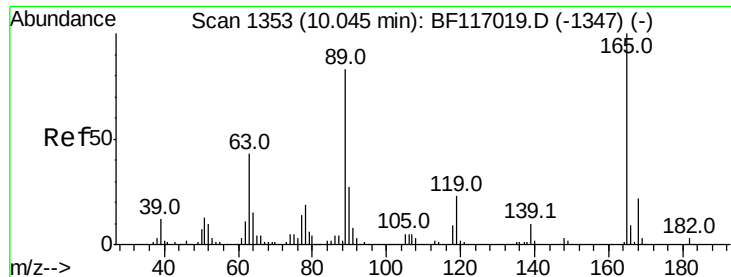


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

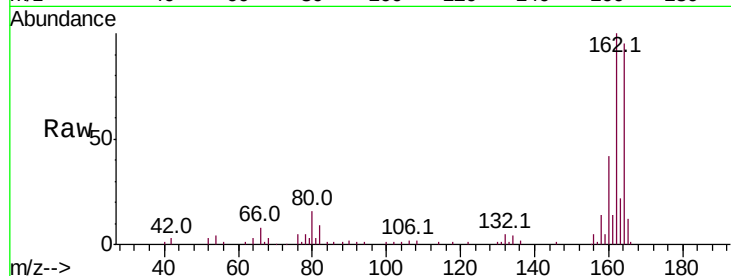




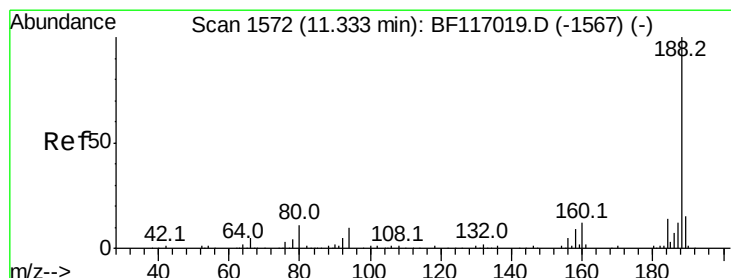
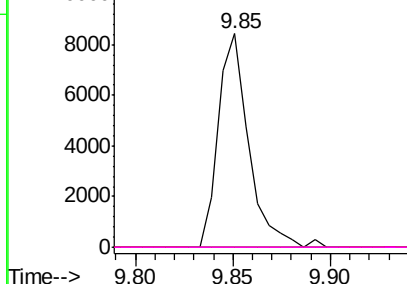
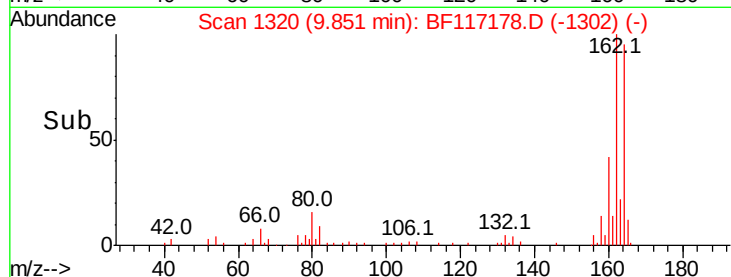
#57
 2,4-Dinitrotoluene
 Concen: 6.771 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117178.D
 Acq: 19 Sep 2019 16:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 9168
 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#

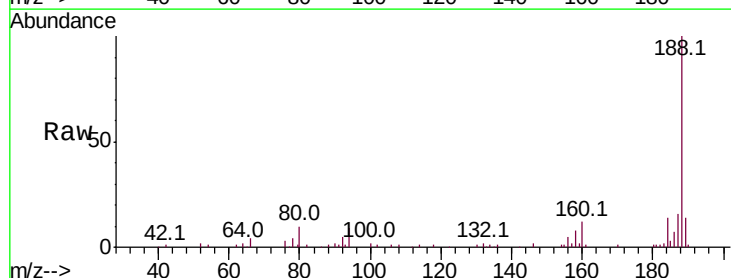


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

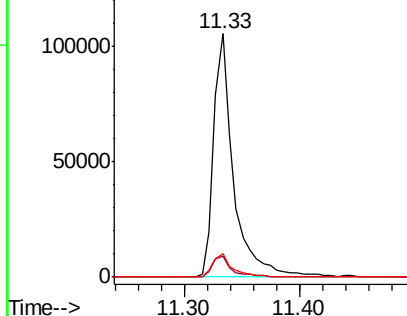
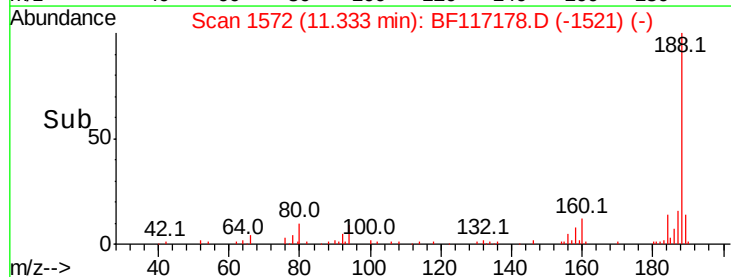


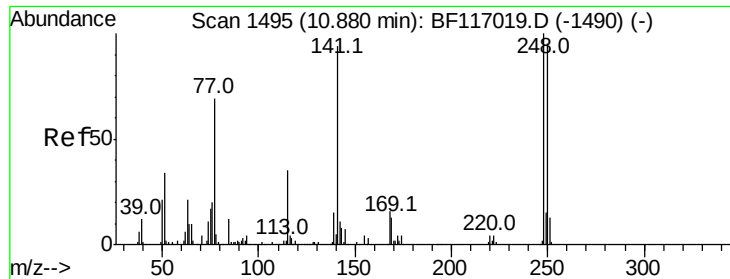
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117178.D
 Acq: 19 Sep 2019 16:55

Tgt Ion:188 Resp: 127281
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.2
 80 9.5 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

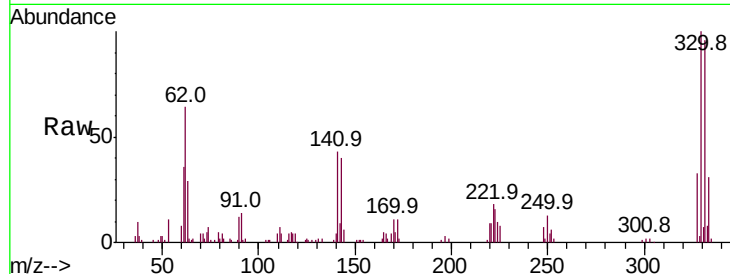




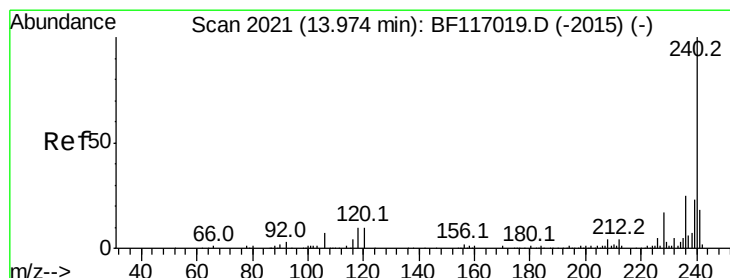
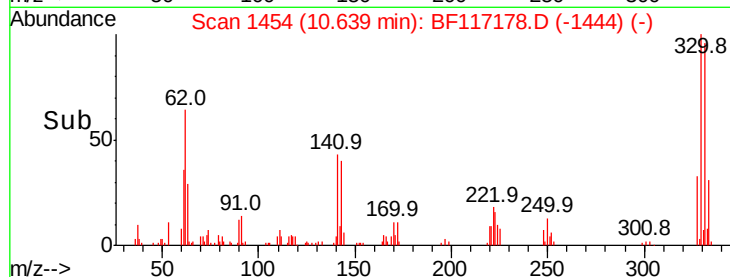
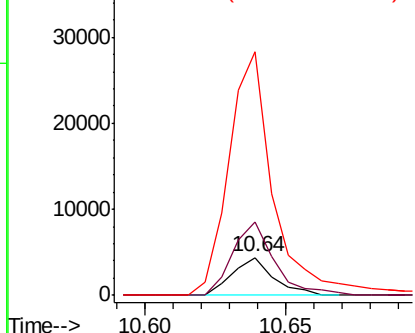
#67
 4-Bromophenyl-phenylether
 Concen: 3.386 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117178.D
 Acq: 19 Sep 2019 16:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 4401
 Ion Ratio Lower Upper
 248 100
 250 192.8 76.2 114.4#
 141 642.8 75.0 112.4#

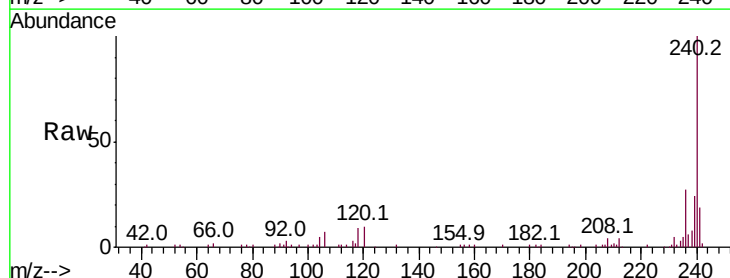


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

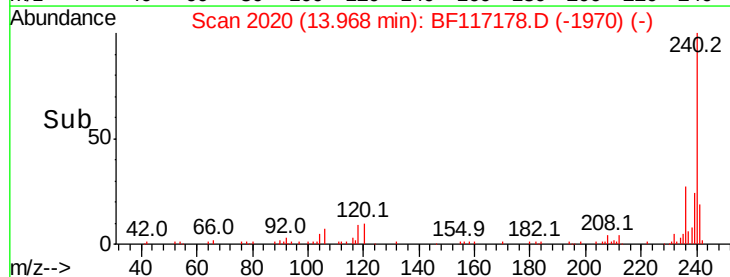
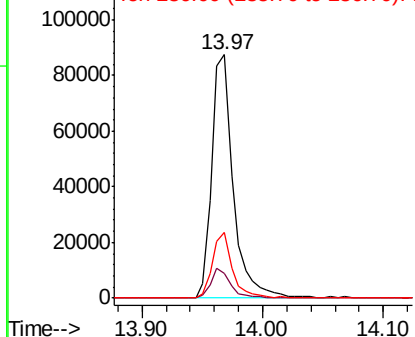


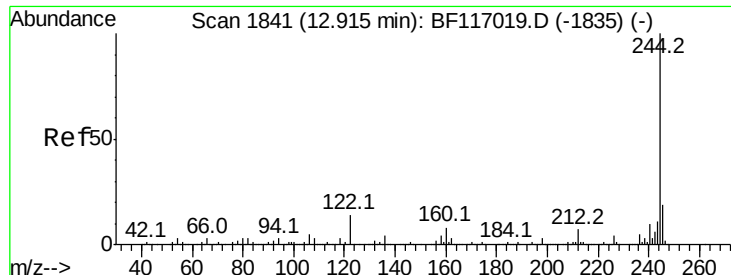
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117178.D
 Acq: 19 Sep 2019 16:55

Tgt Ion:240 Resp: 107493
 Ion Ratio Lower Upper
 240 100
 120 10.1 8.3 12.5
 236 27.0 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

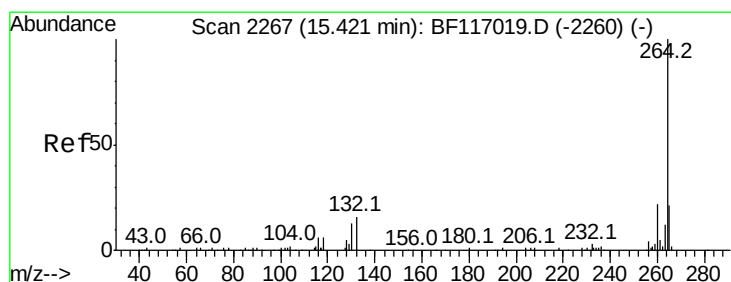
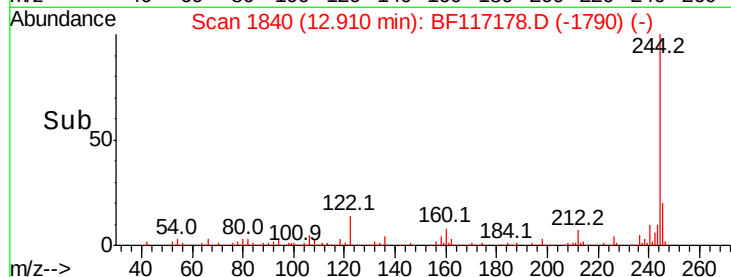
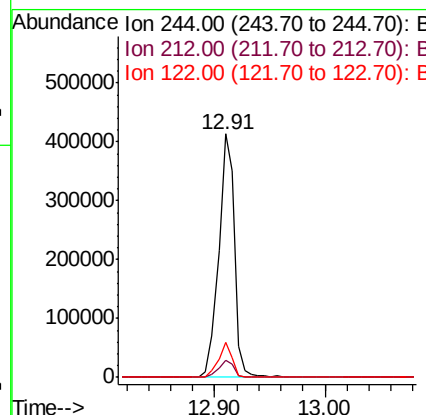
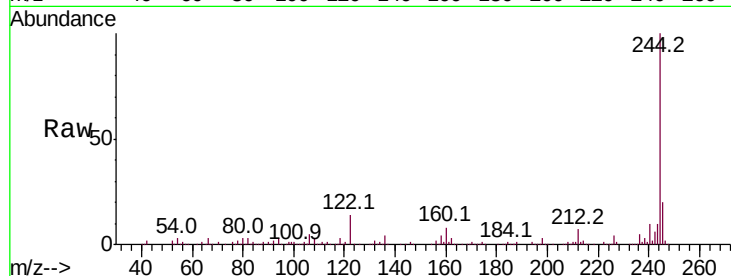




#79
 Terphenyl-d14
 Concen: 70.190 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117178.D
 Acq: 19 Sep 2019 16:55

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 403640
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 14.2 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117178.D
 Acq: 19 Sep 2019 16:55

Tgt Ion:264 Resp: 97771
 Ion Ratio Lower Upper
 264 100
 260 24.2 17.6 26.4
 265 20.6 16.6 24.8

