

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
 Data File : BF117256.D
 Acq On : 25 Sep 2019 22:24
 Operator : JU
 Sample : K5020-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:32:08 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

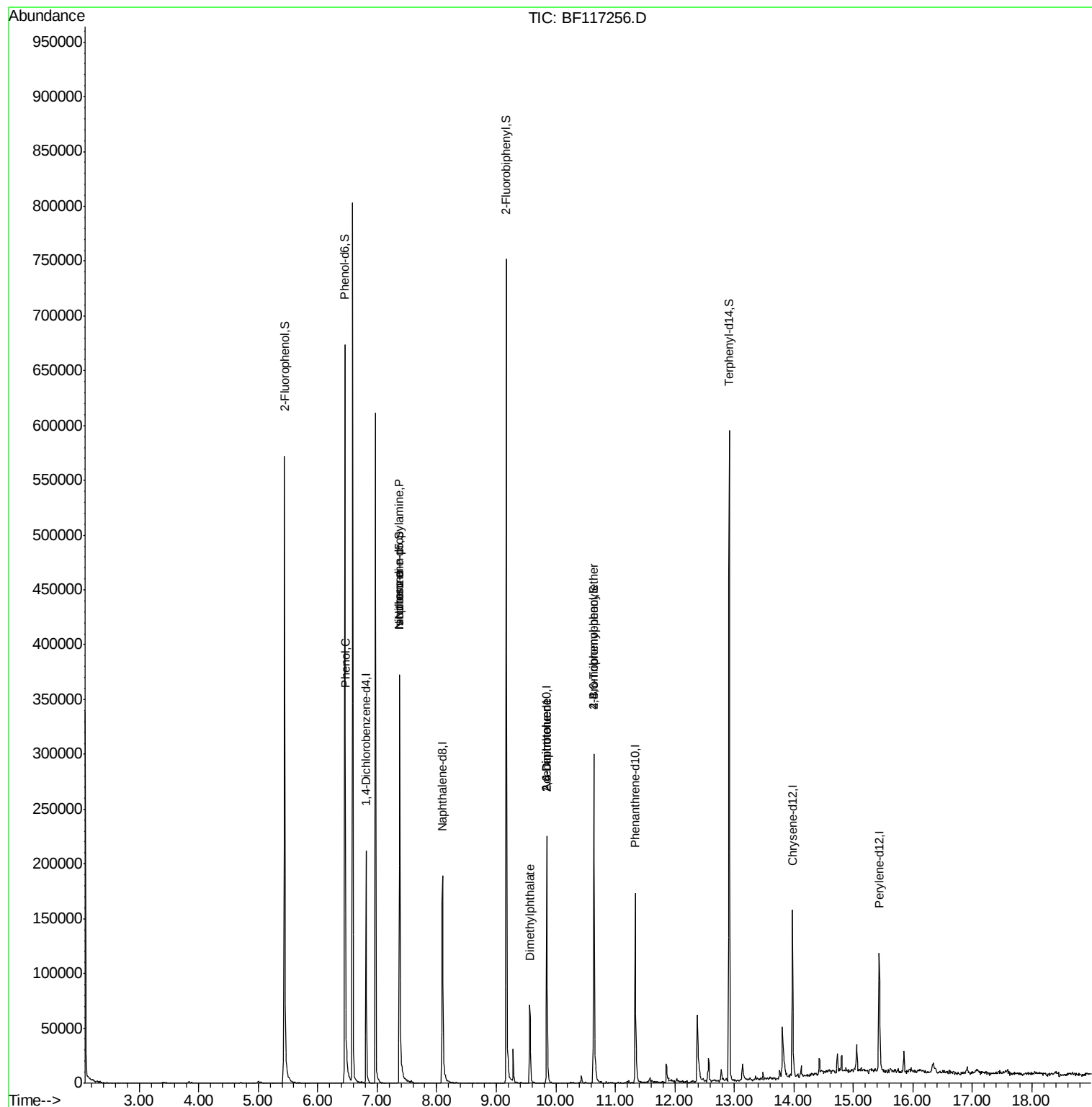
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	33079	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	125728	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	57402	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	77536	20.00	ng	0.00
76) Chrysene-d12	13.97	240	60300	20.00	ng	0.00
87) Perylene-d12	15.43	264	51802	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	192414	90.81	ng	0.00
7) Phenol-d6	6.46	99	253778	92.68	ng	0.00
23) Nitrobenzene-d5	7.37	82	158448	66.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	38947	81.18	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	248115	67.58	ng	0.00
79) Terphenyl-d14	12.92	244	188133	58.32	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	5207	Below Cal		Qvalue # 77
10) Phenol	6.47	94	8118	2.689	ng	# 87
19) n-Nitroso-di-n-propylamine	7.37	70	20556	12.328	ng	# 82
25) Isophorone	7.37	82	158447	37.398	ng	# 66
50) Dimethylphthalate	9.56	163	38546	9.484	ng	# 97
51) 2,6-Dinitrotoluene	9.85	165	6919	8.359	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	6919	6.439	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	2123	2.681	ng	# 1

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

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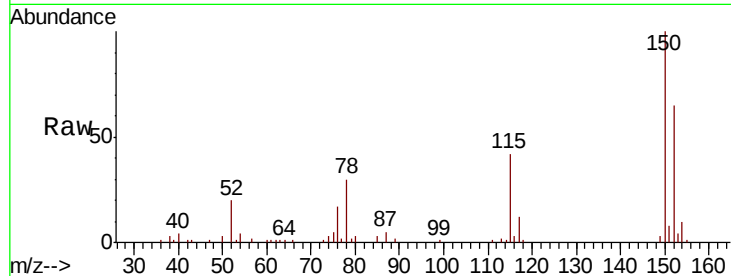


#1

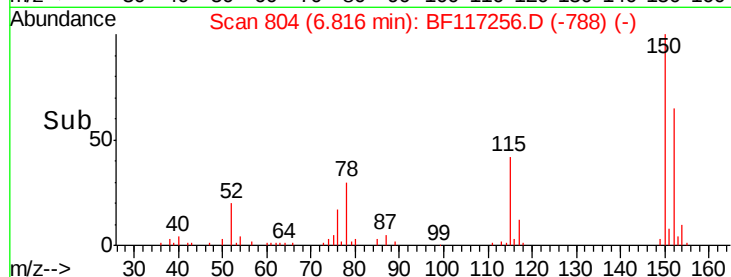
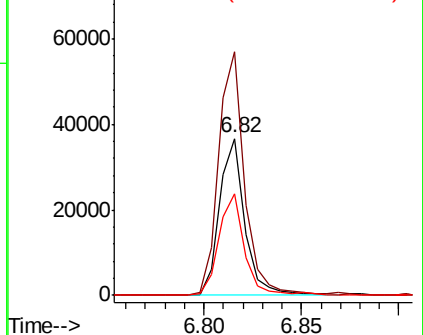
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117256.D
Acq: 25 Sep 2019 22:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 33079
Ion Ratio Lower Upper
152 100
150 154.9 127.5 191.3
115 64.5 55.0 82.4



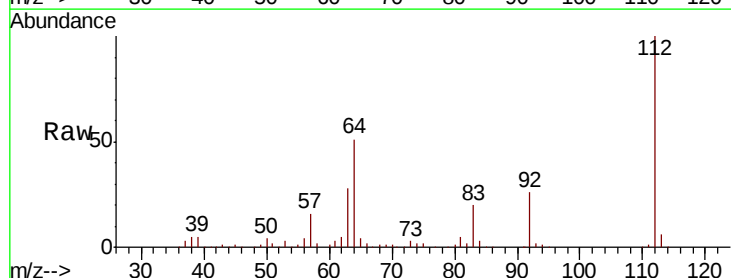
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



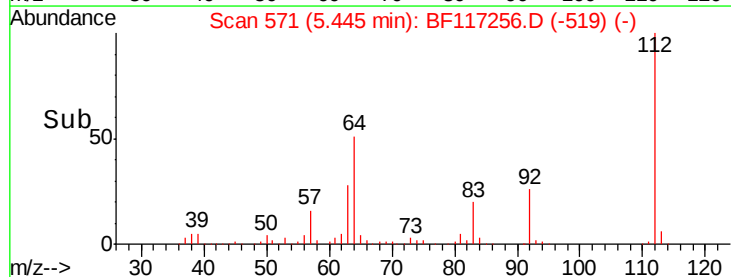
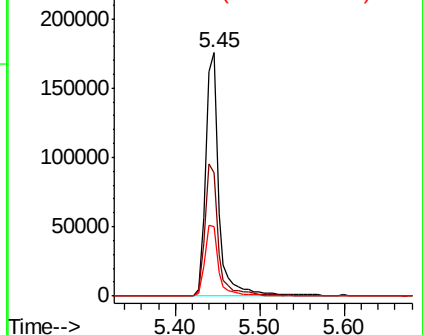
#5

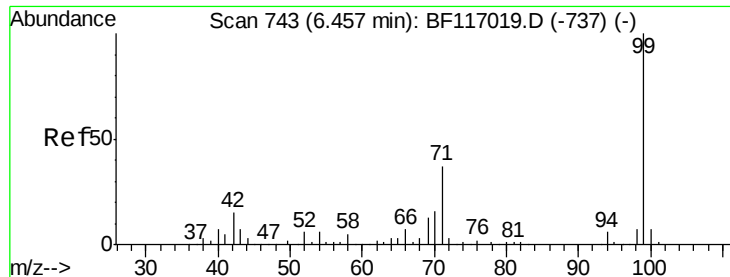
2-Fluorophenol
Concen: 90.815 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117256.D
Acq: 25 Sep 2019 22:24

Tgt Ion:112 Resp: 192414
Ion Ratio Lower Upper
112 100
64 50.7 45.7 68.5
63 28.4 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: 92.681 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117256.D

Acq: 25 Sep 2019 22:24

Instrument :

BNA_F

ClientSampleId :

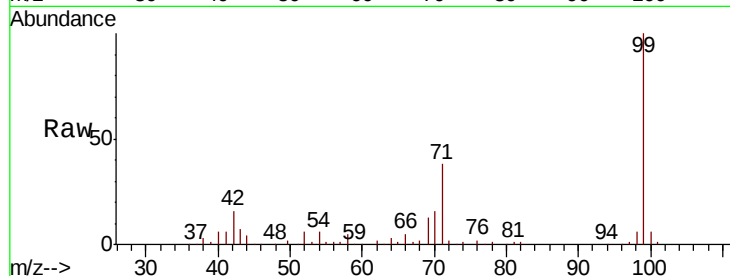
Tot Ion: 99 Resp: 253778

Ion Ratio Lower Upper

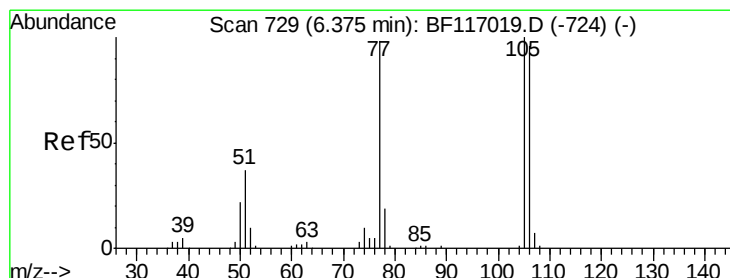
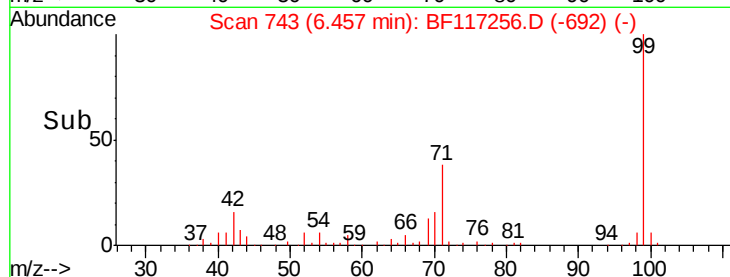
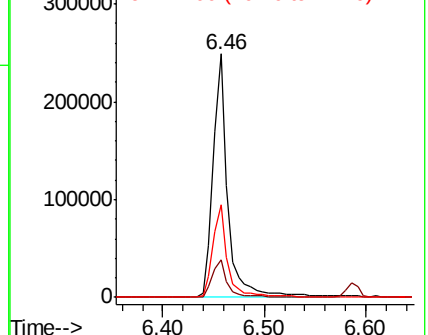
99 100

42 15.6 12.2 18.2

71 38.1 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: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF117256.D

Acq: 25 Sep 2019 22:24

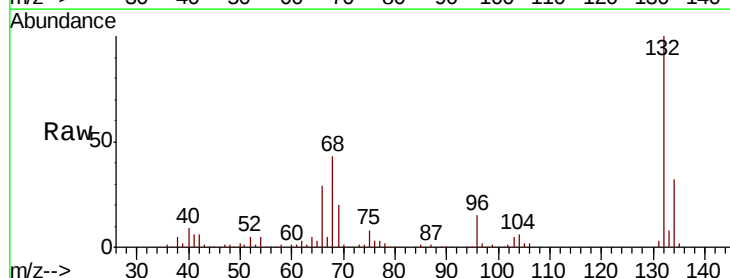
Tgt Ion: 77 Resp: 5207

Ion Ratio Lower Upper

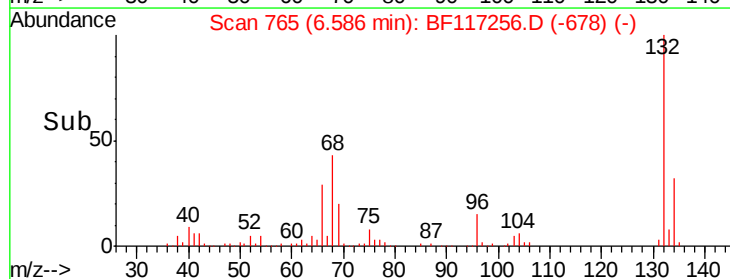
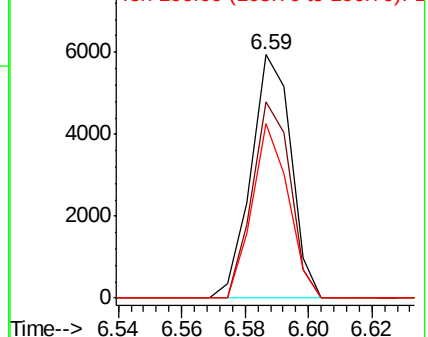
77 100

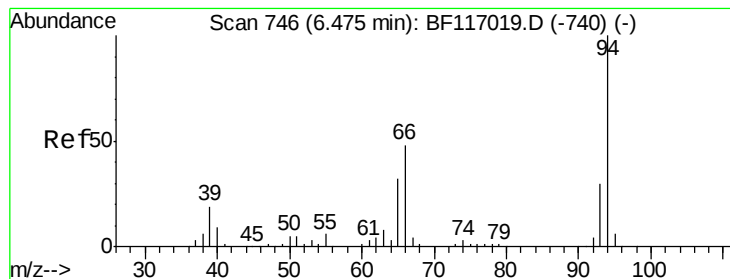
105 80.5 81.8 121.8#

106 71.8 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: 2.689 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117256.D

Acq: 25 Sep 2019 22:24

Instrument :

BNA_F

ClientSampleId :

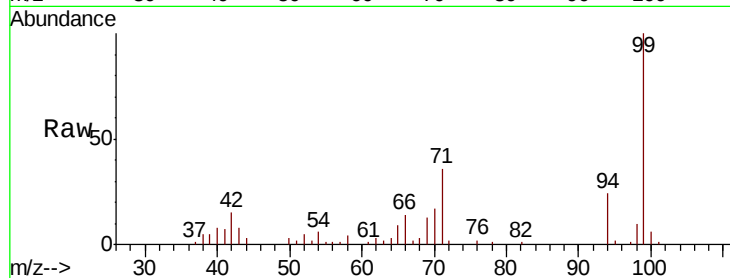
Tot Ion: 94 Resp: 8118

Ion Ratio Lower Upper

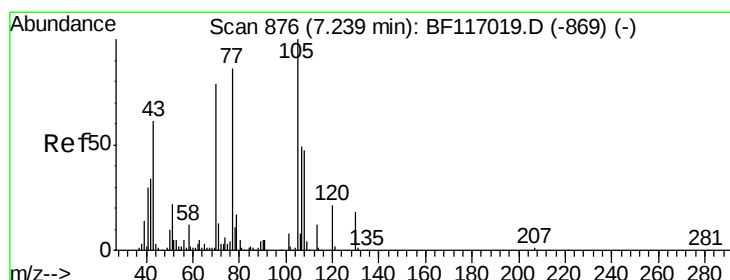
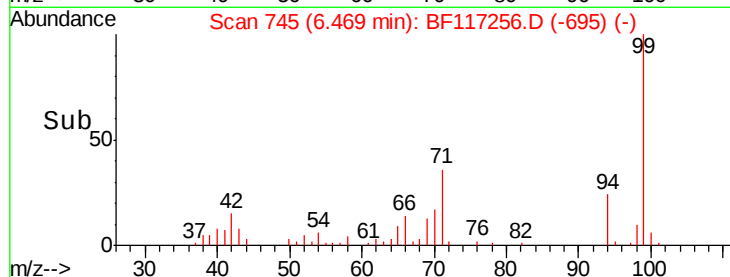
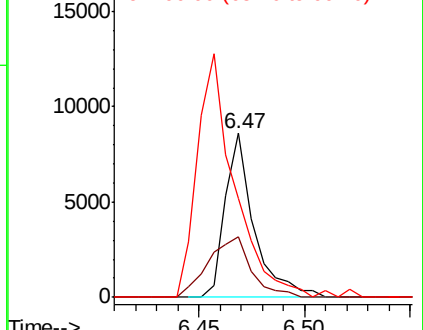
94 100

65 36.8 12.5 52.5

66 60.4 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: 12.328 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF117256.D

Acq: 25 Sep 2019 22:24

Tgt Ion: 70 Resp: 20556

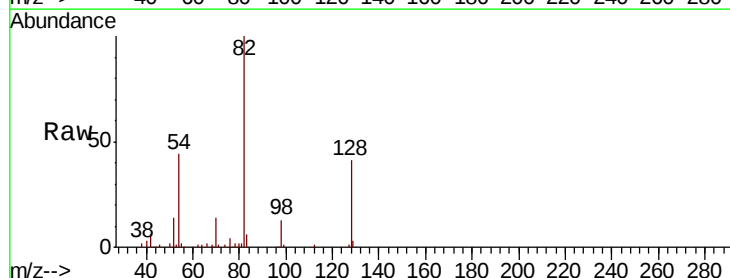
Ion Ratio Lower Upper

70 100

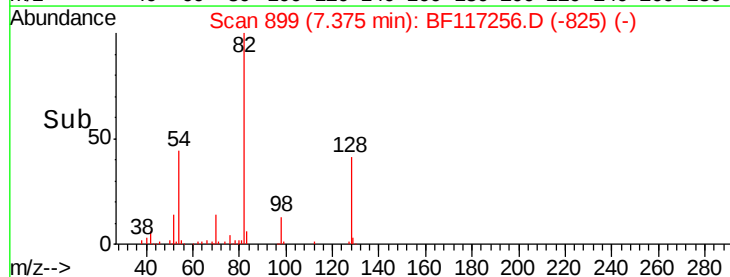
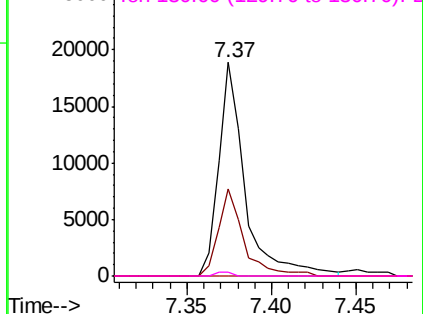
42 40.8 34.0 51.0

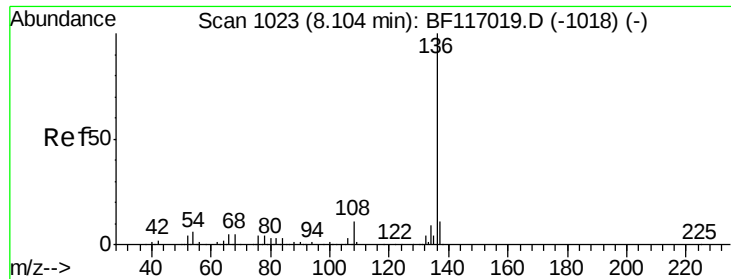
101 0.0 7.8 11.6#

130 2.0 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# 1022

Delta R.T. -0.01 min

Lab File: BF117256.D

Acq: 25 Sep 2019 22:24

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 125728

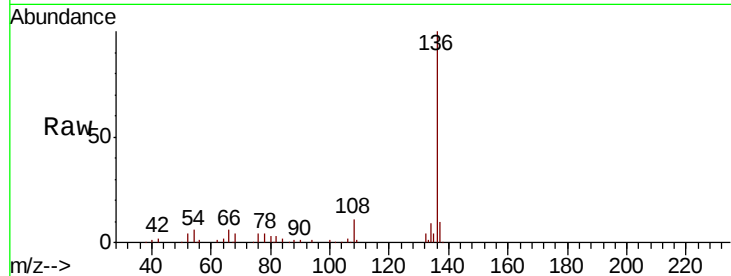
Ion Ratio Lower Upper

136 100

137 10.2 9.0 13.4

54 6.0 4.5 6.7

68 4.4 4.0 6.0

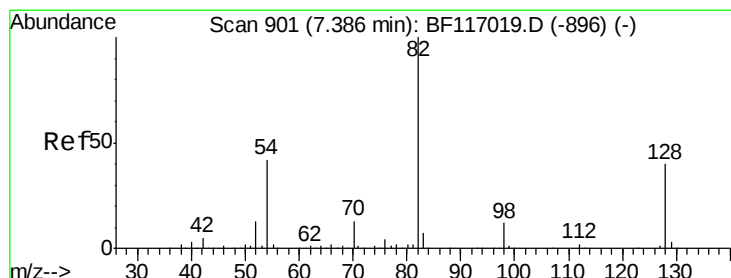
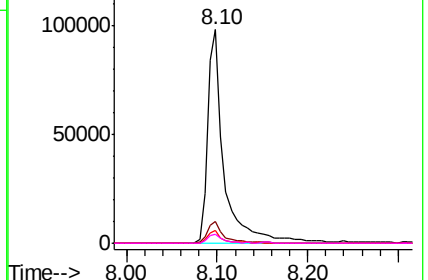
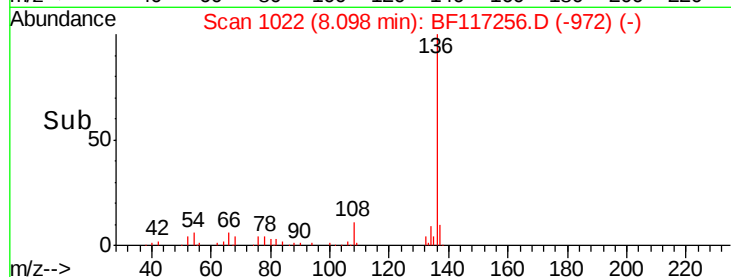


Abundance Ion 136.00 (135.70 to 136.70): E

150000 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: 66.216 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF117256.D

Acq: 25 Sep 2019 22:24

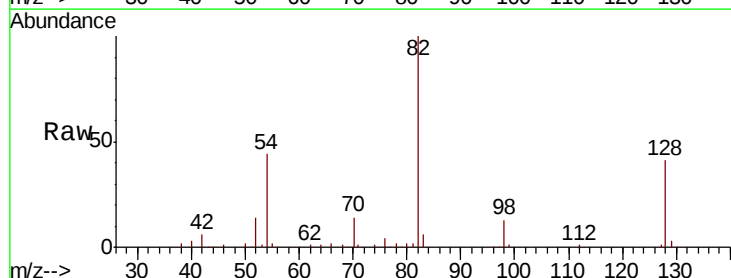
Tgt Ion: 82 Resp: 158448

Ion Ratio Lower Upper

82 100

128 40.5 32.3 48.5

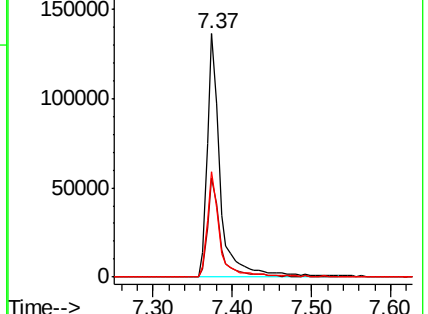
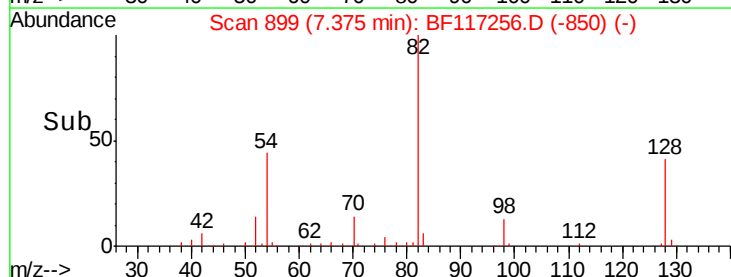
54 43.5 33.3 49.9

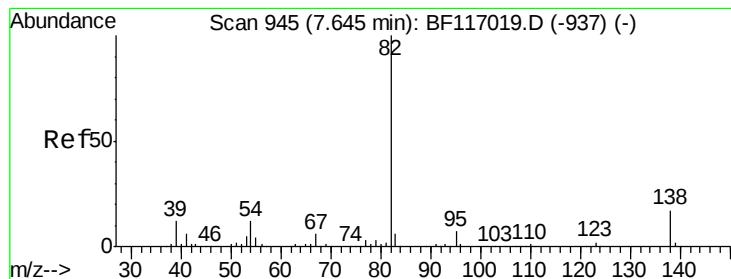


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.398 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.27 min

Lab File: BF117256.D

Acq: 25 Sep 2019 22:24

Instrument :

BNA_F

ClientSampleId :

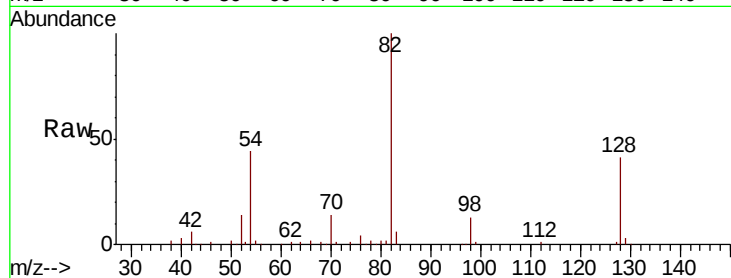
Tot Ion: 82 Resp: 158447

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

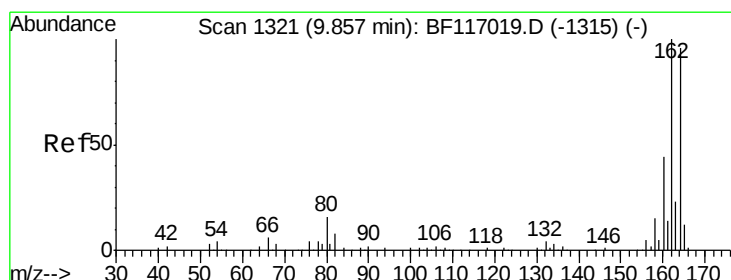
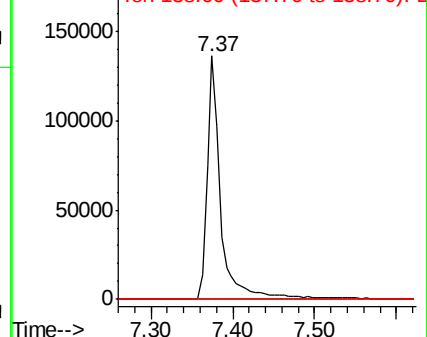
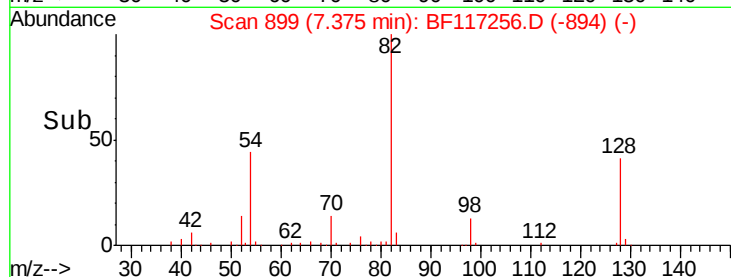
138 0.0 13.5 20.3#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117256.D

Acq: 25 Sep 2019 22:24

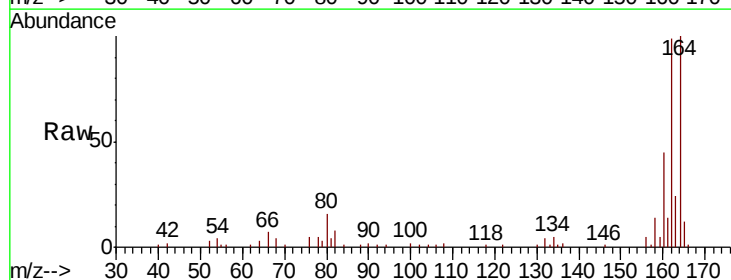
Tgt Ion: 164 Resp: 57402

Ion Ratio Lower Upper

164 100

162 98.9 83.4 125.2

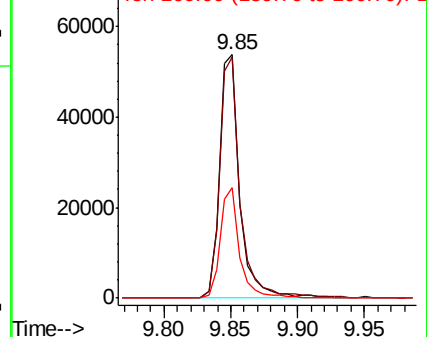
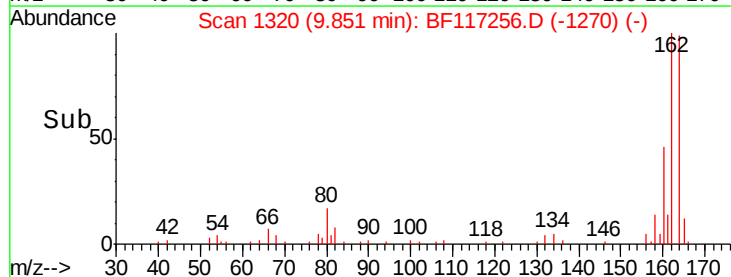
160 45.3 36.4 54.6



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

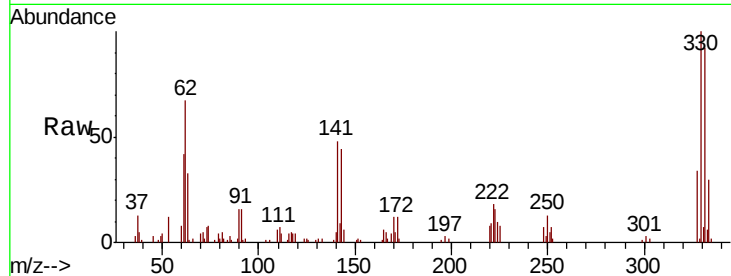




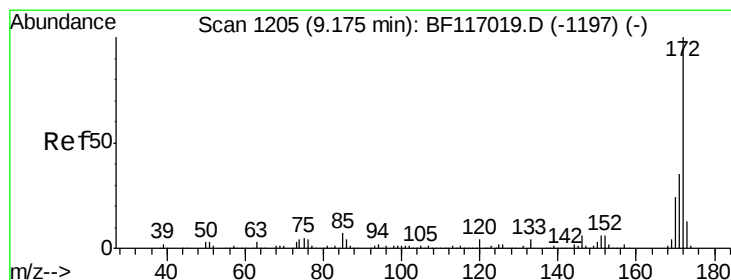
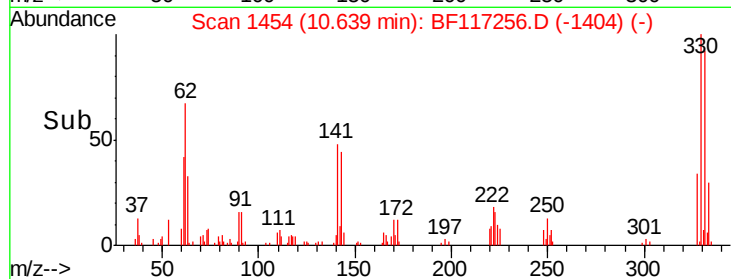
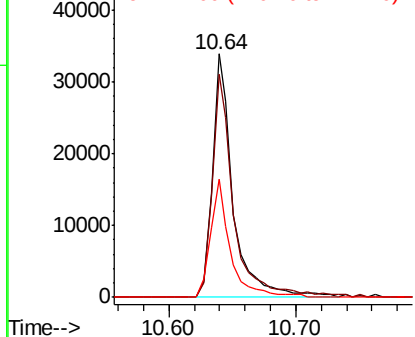
#42
 2,4,6-Tribromophenol
 Concen: 81.182 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117256.D
 Acq: 25 Sep 2019 22:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.0	117.0
141	46.2	35.8	53.6

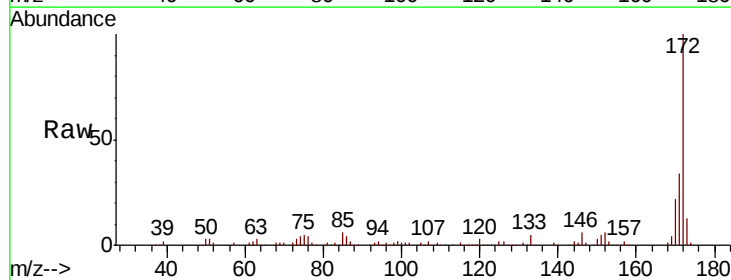


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

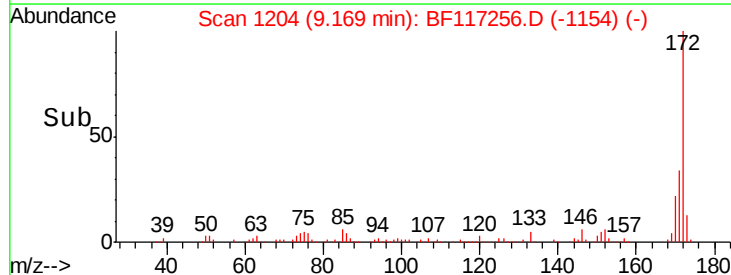
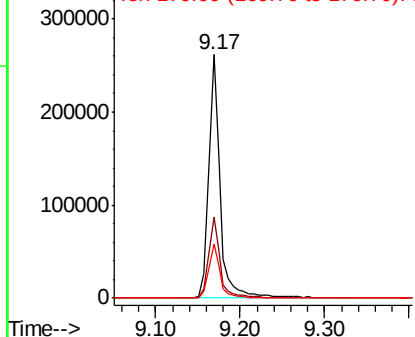


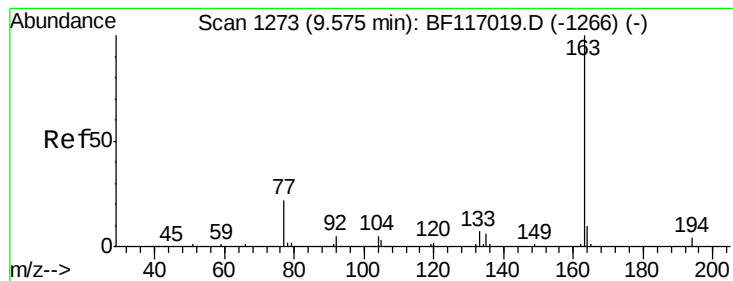
#45
 2-Fluorobiphenyl
 Concen: 67.584 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF117256.D
 Acq: 25 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	28.2	42.2
170	22.4	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: 9.484 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF117256.D

Acq: 25 Sep 2019 22:24

Instrument :

BNA_F

ClientSampleId :

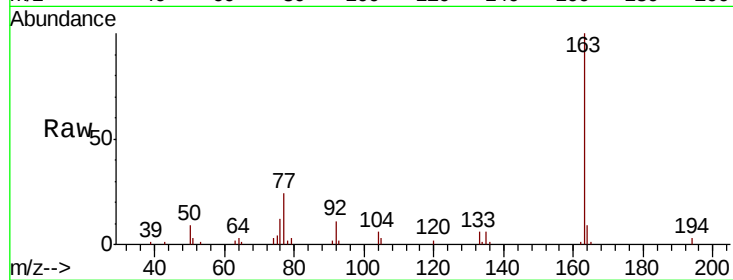
Tot Ion:163 Resp: 38546

Ion Ratio Lower Upper

163 100

194 3.4 2.9 4.3

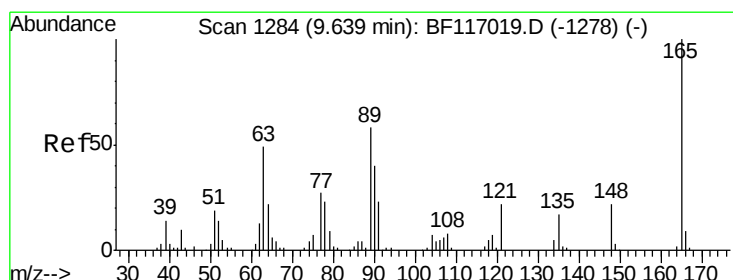
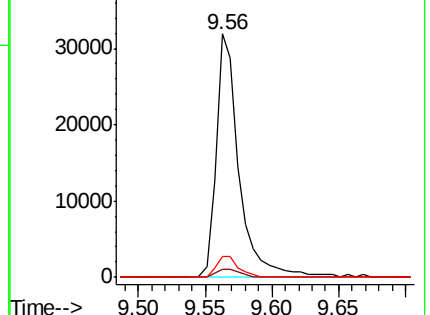
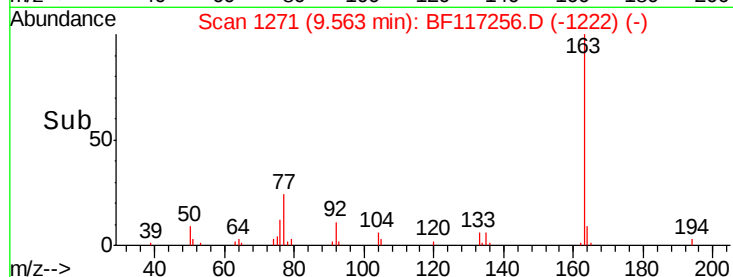
164 8.8 8.2 12.4



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: 8.359 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF117256.D

Acq: 25 Sep 2019 22:24

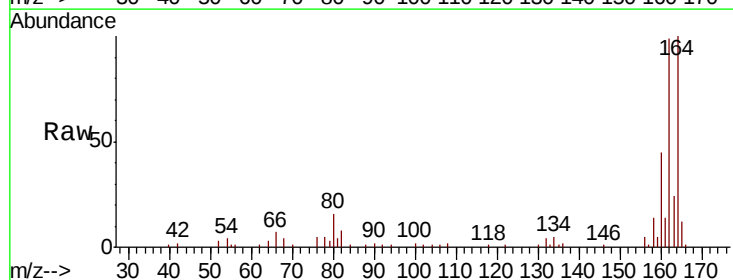
Tgt Ion:165 Resp: 6919

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

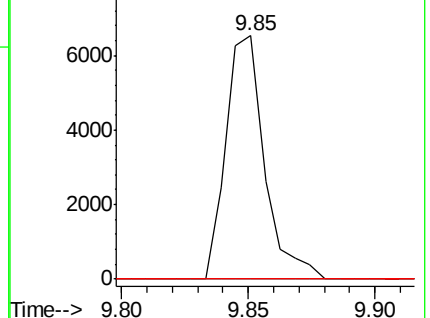
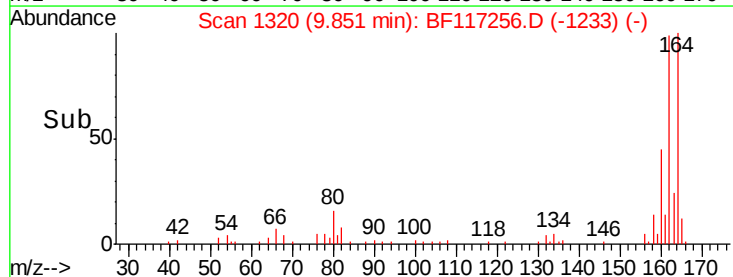
89 0.0 46.5 69.7#

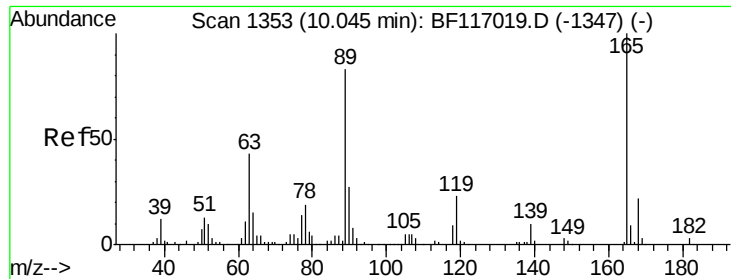


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

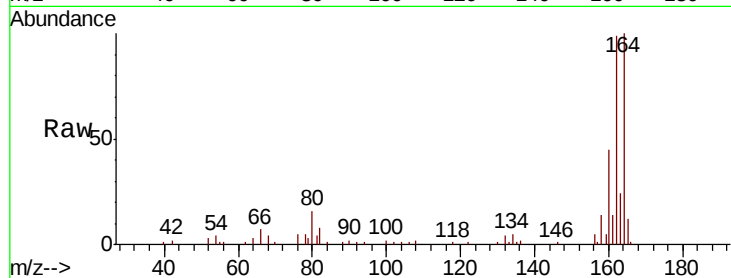




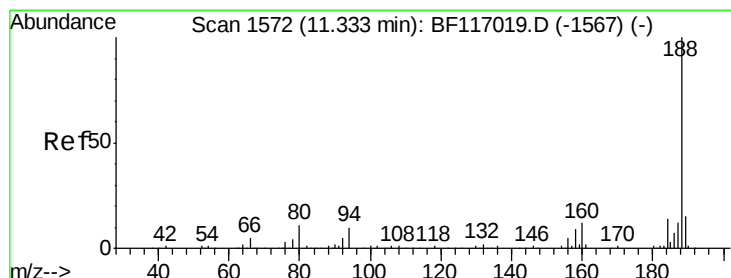
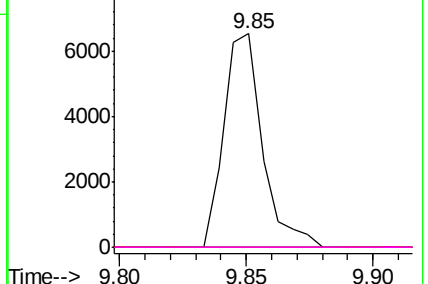
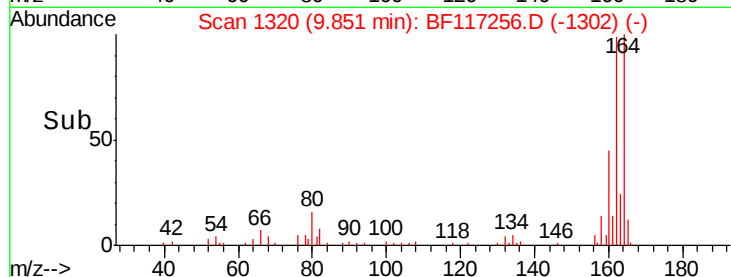
#57
 2,4-Dinitrotoluene
 Concen: 6.439 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117256.D
 Acq: 25 Sep 2019 22:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 6919
 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#

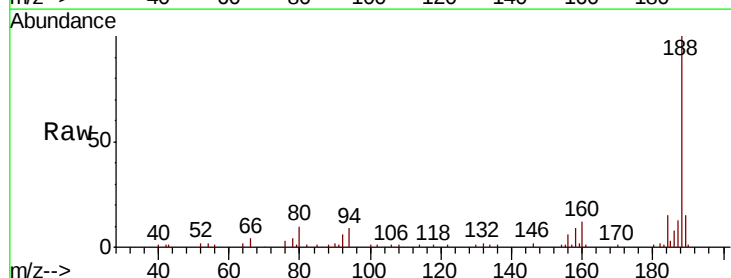


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

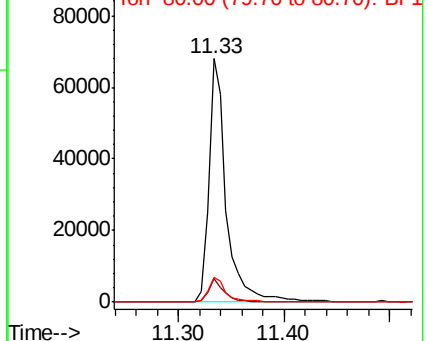
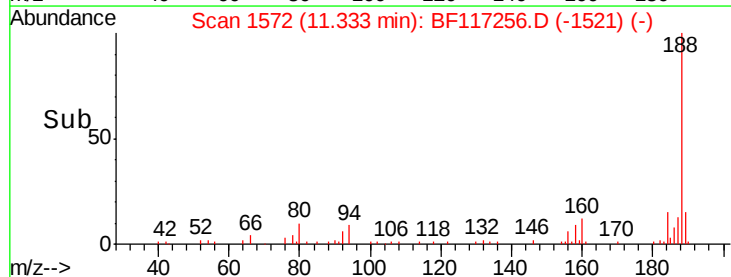


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117256.D
 Acq: 25 Sep 2019 22:24

Tgt Ion:188 Resp: 77536
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.2 12.2
 80 10.1 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

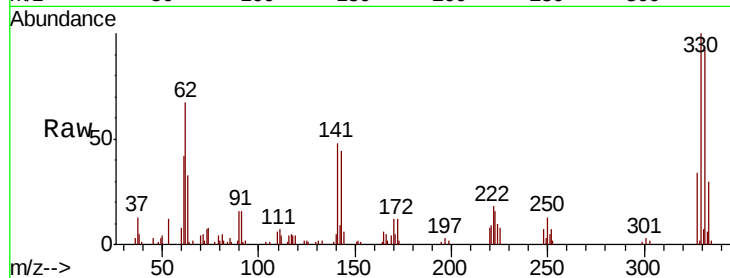




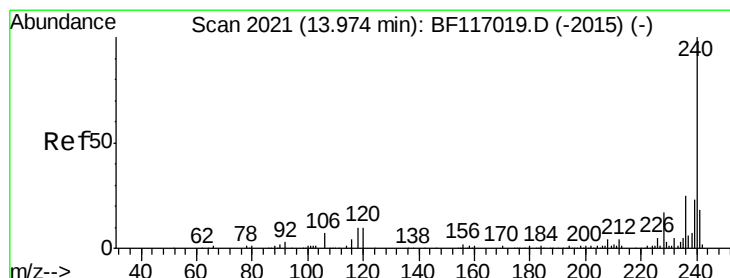
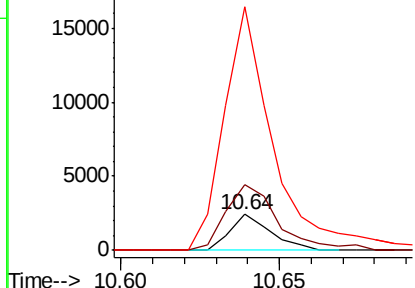
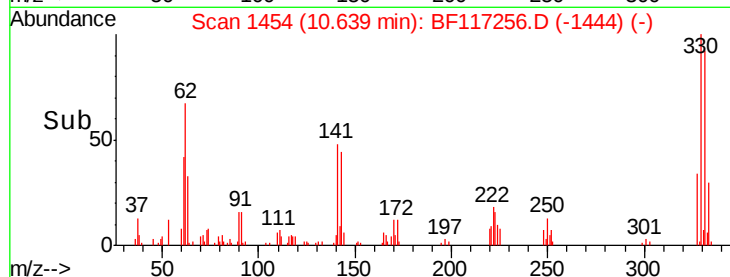
#67
 4-Bromophenyl-phenylether
 Concen: 2.681 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117256.D
 Acq: 25 Sep 2019 22:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 2123
 Ion Ratio Lower Upper
 248 100
 250 181.9 76.2 114.4#
 141 677.3 75.0 112.4#

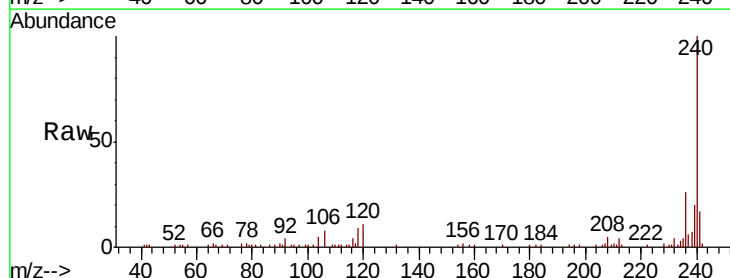


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

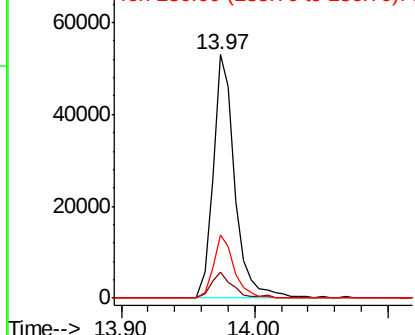
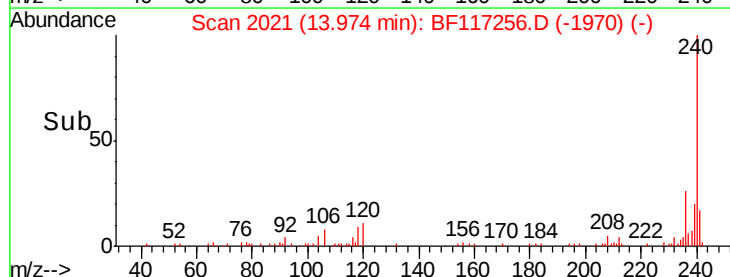


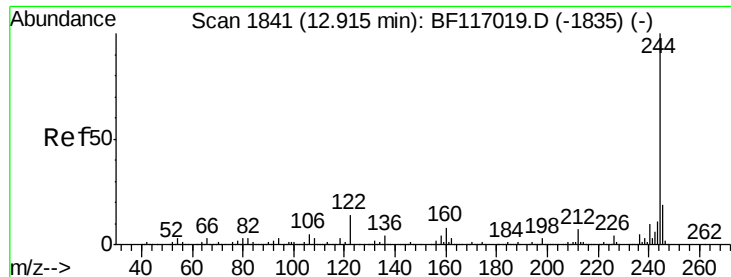
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF117256.D
 Acq: 25 Sep 2019 22:24

Tgt Ion:240 Resp: 60300
 Ion Ratio Lower Upper
 240 100
 120 10.8 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

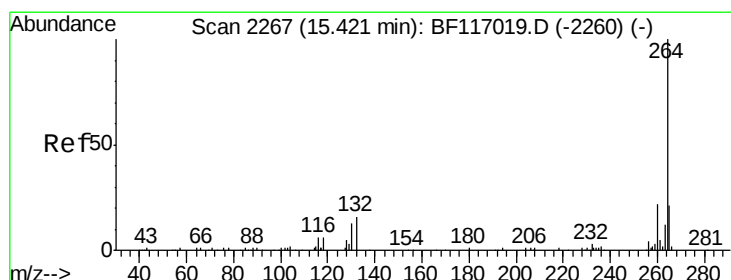
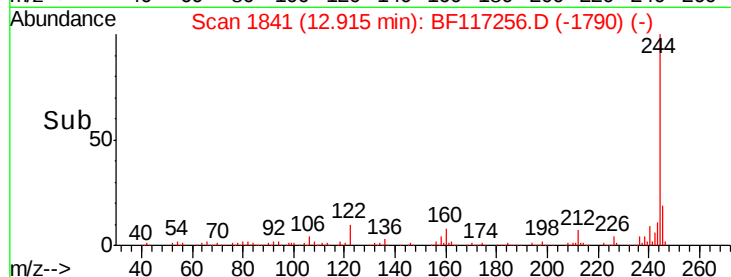
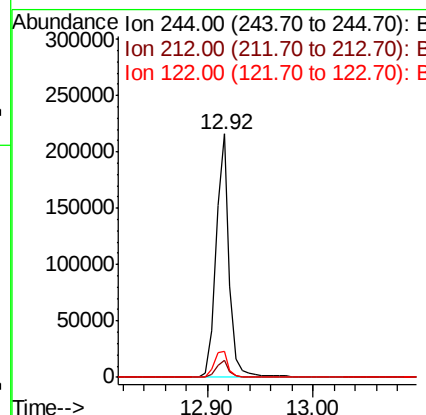
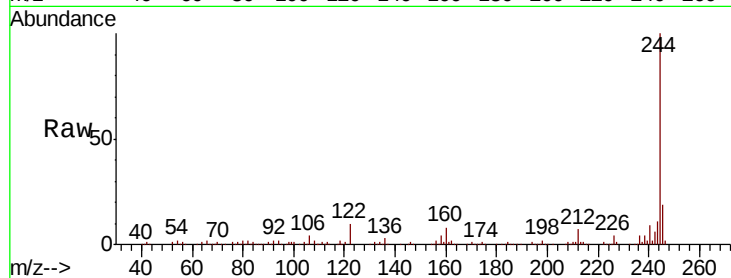




#79
 Terphenyl-d14
 Concen: 58.319 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF117256.D
 Acq: 25 Sep 2019 22:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 188133
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 10.4 11.3 16.9#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117256.D
 Acq: 25 Sep 2019 22:24

Tgt Ion:264 Resp: 51802
 Ion Ratio Lower Upper
 264 100
 260 22.8 17.6 26.4
 265 21.9 16.6 24.8

