

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091919\
 Data File : BF117180.D
 Acq On : 19 Sep 2019 17:49
 Operator : HP/JU
 Sample : K4957-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 20 01:34:57 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

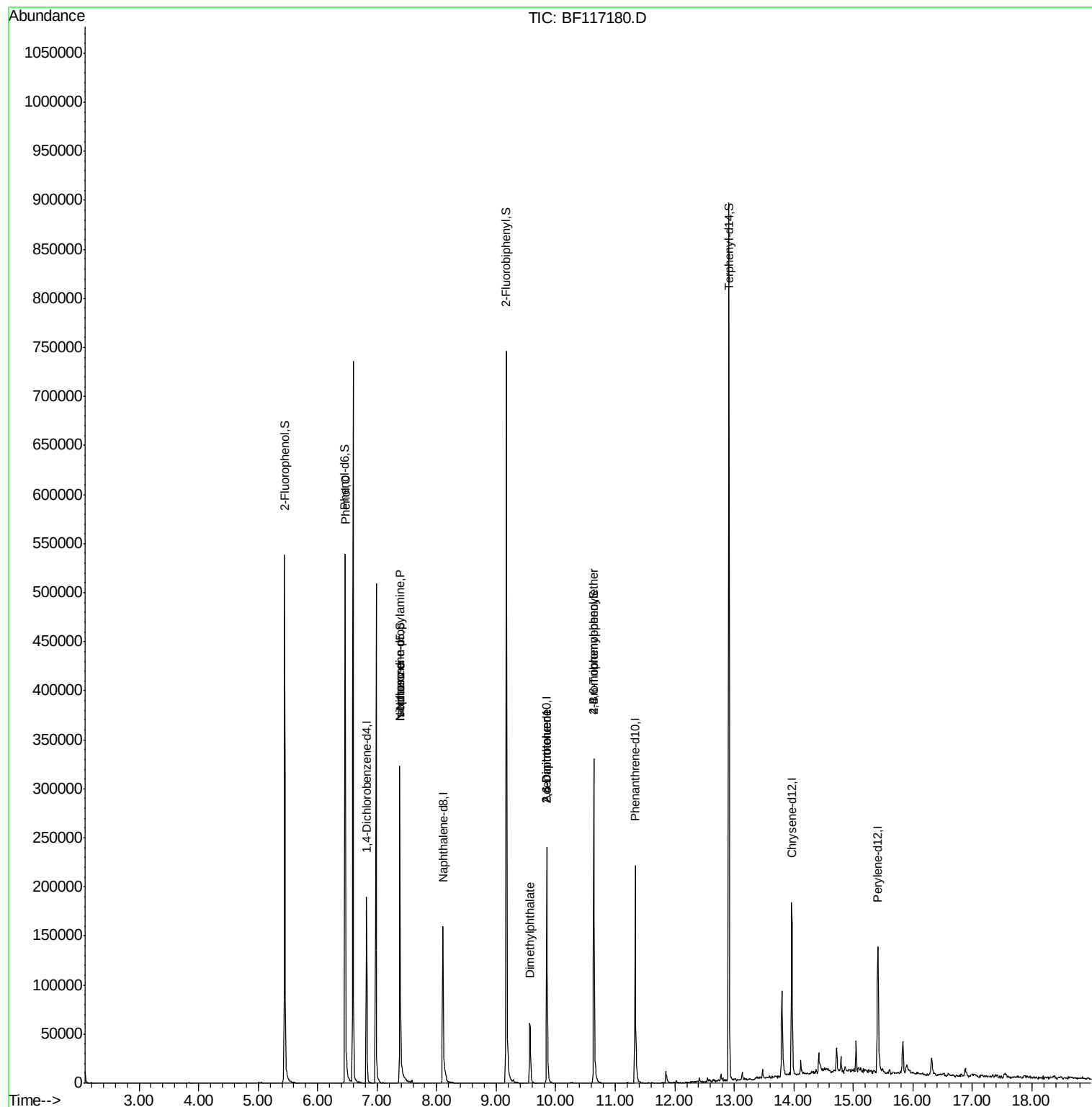
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	27858	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	114172	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	61885	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	103546	20.00	ng	0.00
76) Chrysene-d12	13.96	240	68416	20.00	ng	-0.01
87) Perylene-d12	15.41	264	62839	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	154961	86.84	ng	0.00
7) Phenol-d6	6.46	99	215110	93.28	ng	0.00
23) Nitrobenzene-d5	7.38	82	133846	61.60	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	47620	92.07	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	261757	66.14	ng	0.00
79) Terphenyl-d14	12.91	244	272488	74.45	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	262	Below Cal	Qvalue	# 1
10) Phenol	6.47	94	9696	3.814	ng	# 88
19) n-Nitroso-di-n-propylamine	7.38	70	18642	13.276	ng	# 81
25) Isophorone	7.38	82	133845	34.789	ng	# 66
50) Dimethylphthalate	9.56	163	38317	8.745	ng	# 99
51) 2,6-Dinitrotoluene	9.85	165	7822	8.765	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	7822	6.752	ng	# 18
67) 4-Bromophenyl-phenylether	10.63	248	2664	2.519	ng	# 1

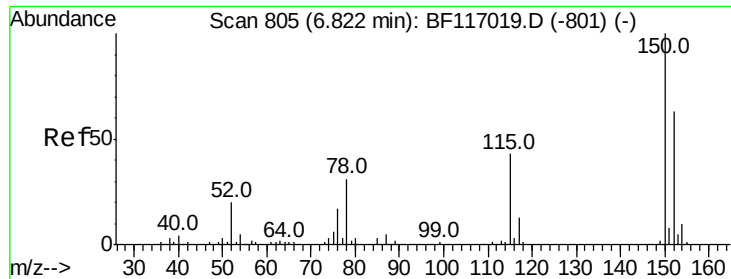
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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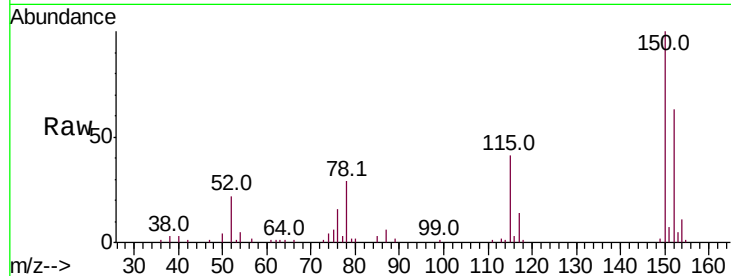


#1

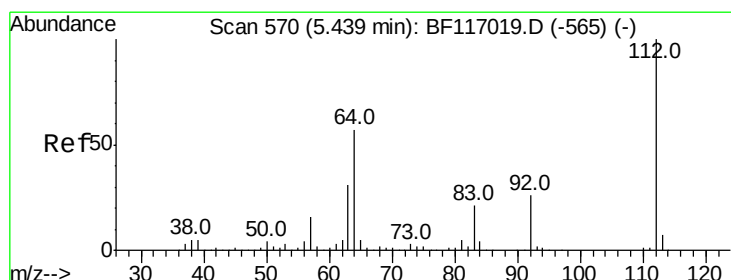
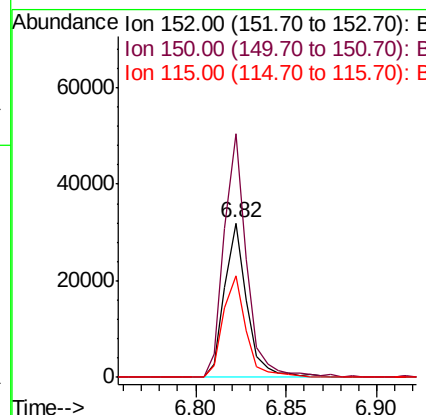
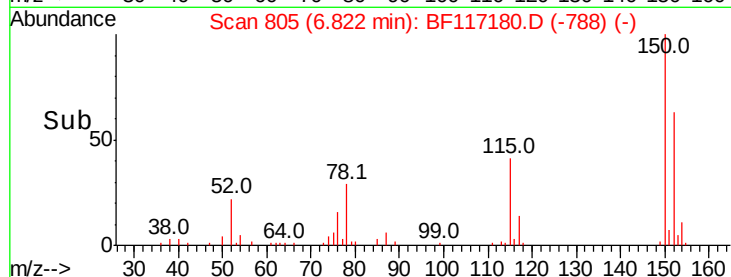
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117180.D
Acq: 19 Sep 2019 17:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 27858
Ion Ratio Lower Upper
152 100
150 157.9 127.5 191.3
115 65.5 55.0 82.4



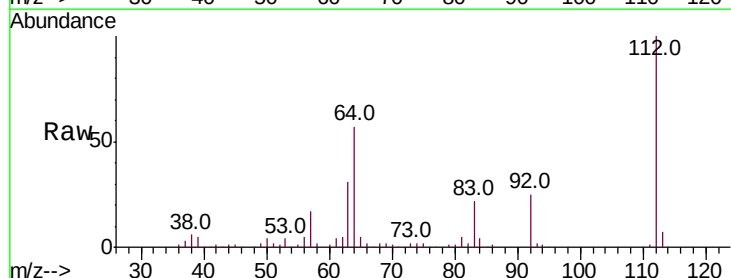
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



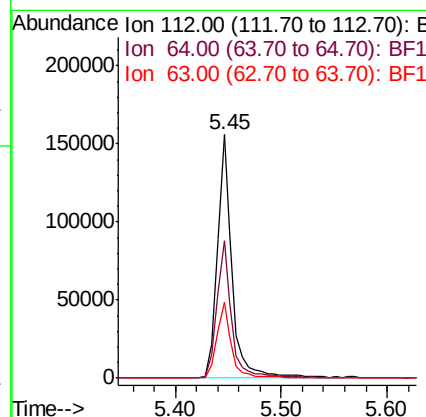
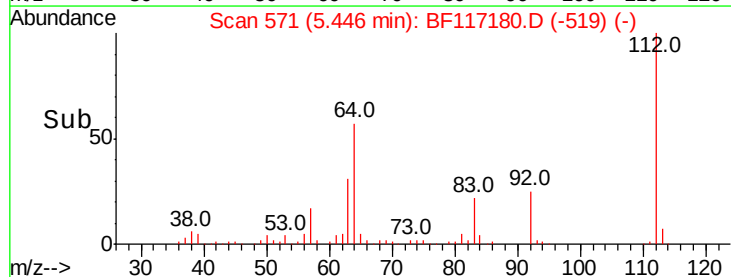
#5

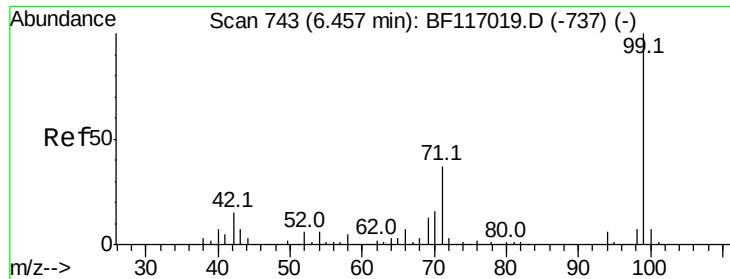
2-Fluorophenol
Concen: 86.845 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117180.D
Acq: 19 Sep 2019 17:49

Tgt Ion:112 Resp: 154961
Ion Ratio Lower Upper
112 100
64 56.6 45.7 68.5
63 30.9 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: 93.282 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117180.D

Acq: 19 Sep 2019 17:49

Instrument :

BNA_F

ClientSampled :

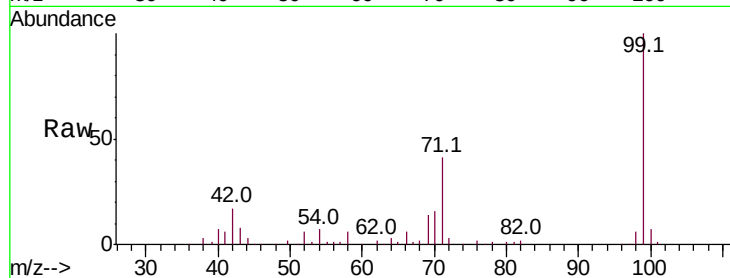
Tot Ion: 99 Resp: 215110

Ion Ratio Lower Upper

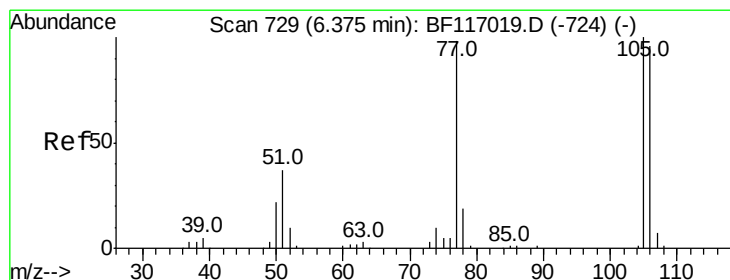
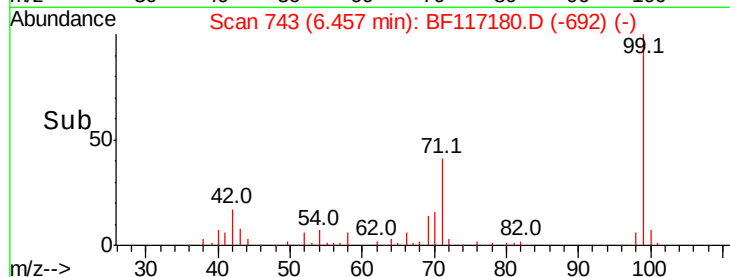
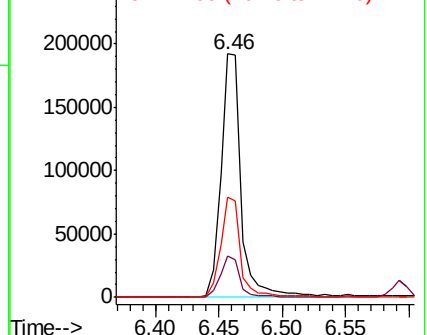
99 100

42 16.9 12.2 18.2

71 41.1 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: 6.46 min Scan# 744

Delta R.T. 0.09 min

Lab File: BF117180.D

Acq: 19 Sep 2019 17:49

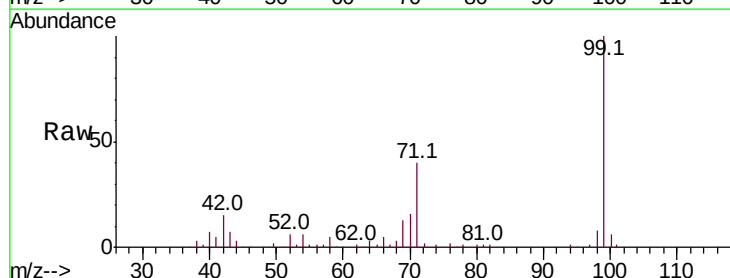
Tgt Ion: 77 Resp: 262

Ion Ratio Lower Upper

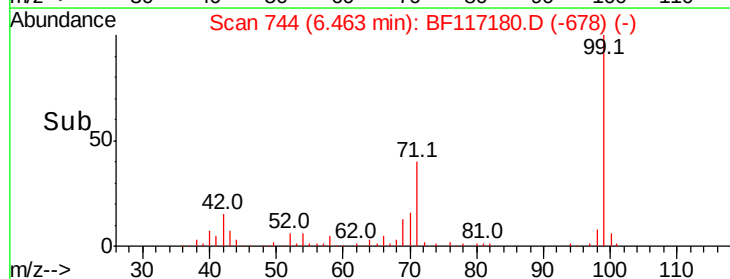
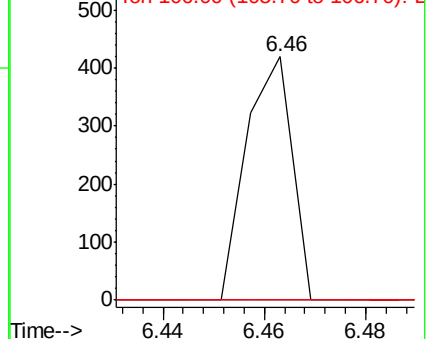
77 100

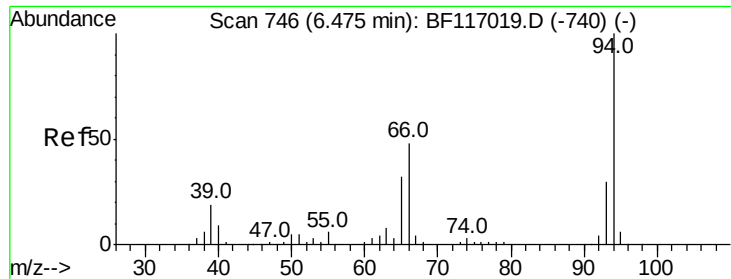
105 0.0 81.8 121.8#

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: 3.814 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117180.D

Acq: 19 Sep 2019 17:49

Instrument :

BNA_F

ClientSampleId :

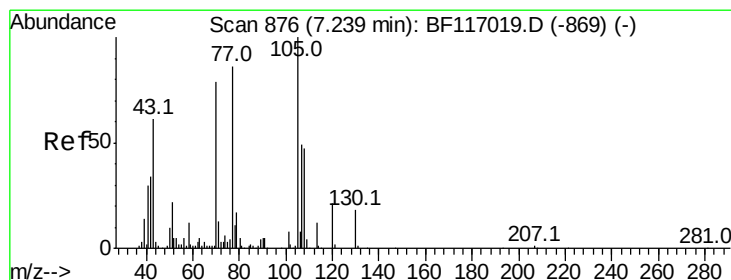
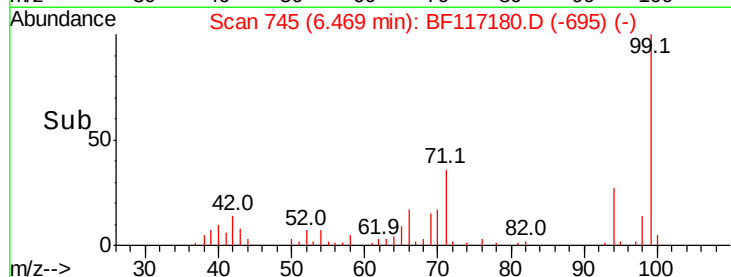
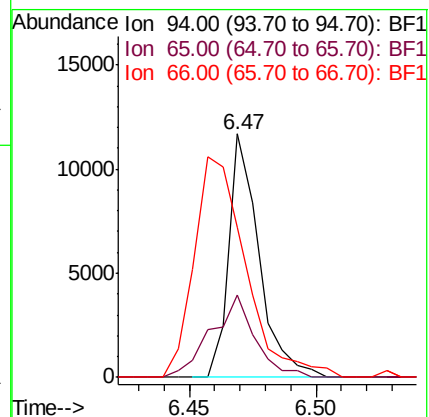
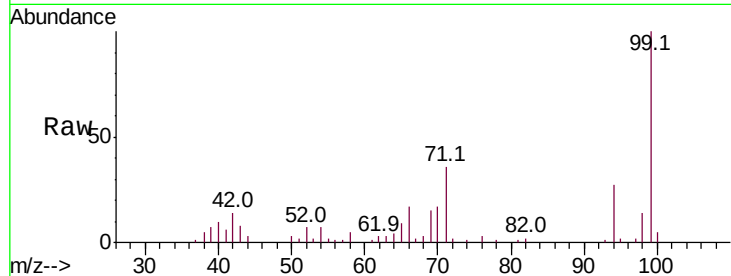
Tot Ion: 94 Resp: 9696

Ion Ratio Lower Upper

94 100

65 34.1 12.5 52.5

66 61.5 28.9 68.9



#19

n-Nitroso-di-n-propylamine

Concen: 13.276 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117180.D

Acq: 19 Sep 2019 17:49

Tgt Ion: 70 Resp: 18642

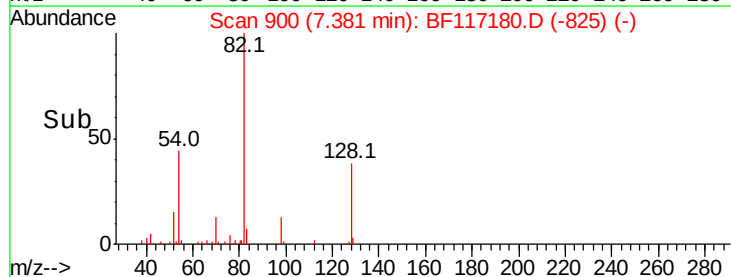
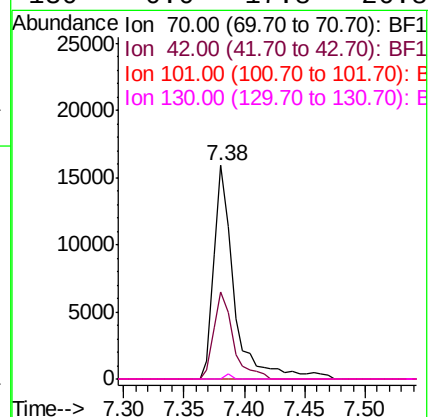
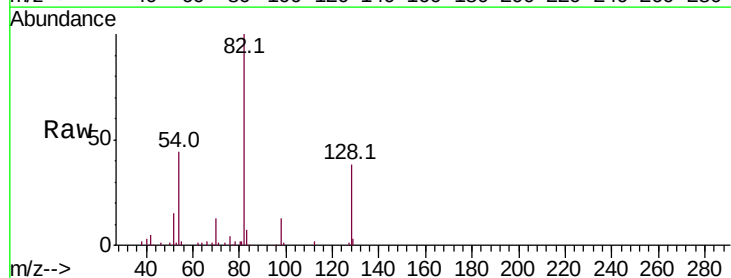
Ion Ratio Lower Upper

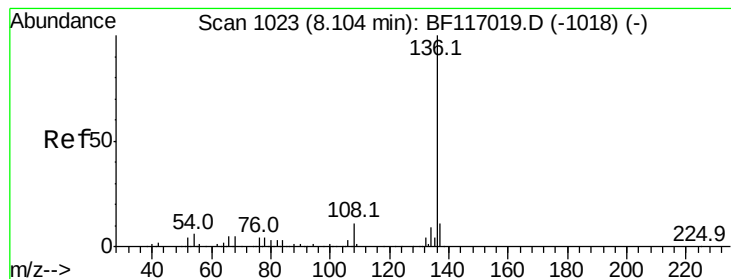
70 100

42 40.7 34.0 51.0

101 0.0 7.8 11.6#

130 0.0 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: BF117180.D

Acq: 19 Sep 2019 17:49

Instrument :

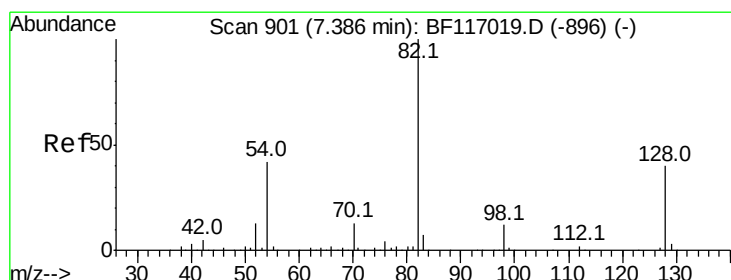
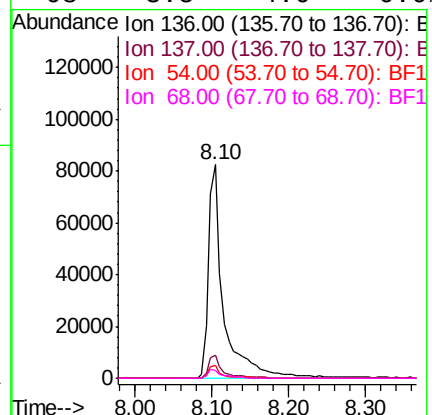
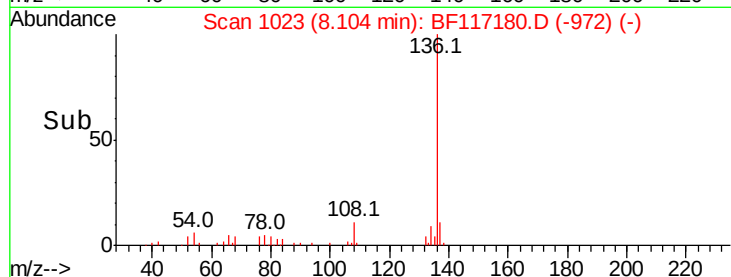
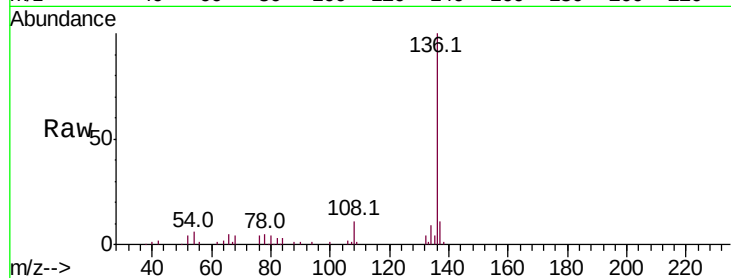
BNA_F

ClientSampleId :

Tot Ion:136 Resp: 114172

Ion Ratio Lower Upper

136	100		
137	10.9	9.0	13.4
54	6.3	4.5	6.7
68	3.5	4.0	6.0#



#23

Nitrobenzene-d5

Concen: 61.596 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

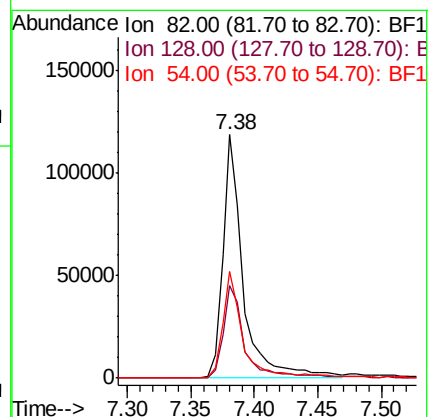
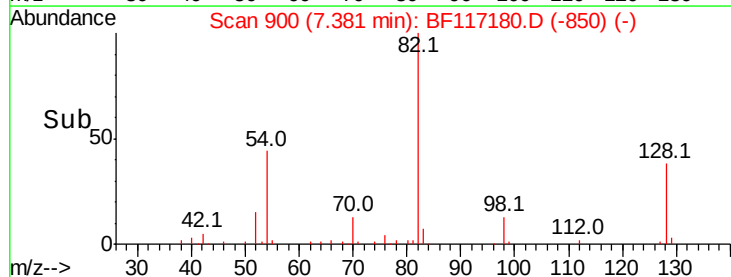
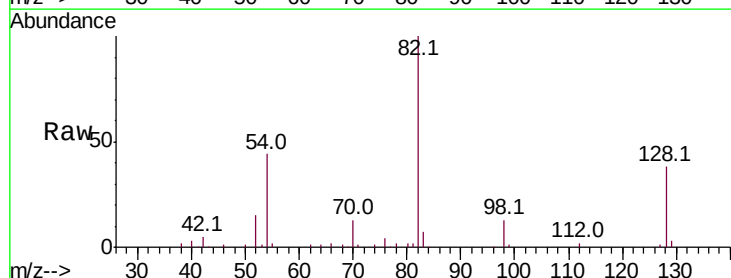
Lab File: BF117180.D

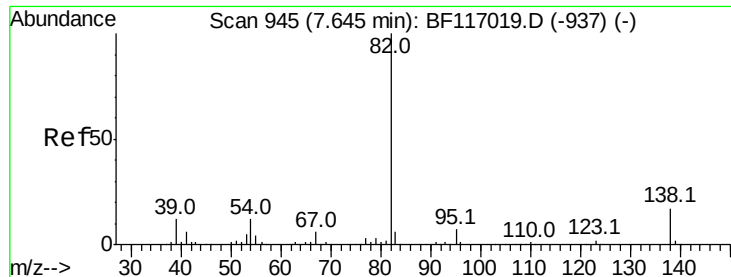
Acq: 19 Sep 2019 17:49

Tgt Ion: 82 Resp: 133846

Ion Ratio Lower Upper

82	100		
128	37.9	32.3	48.5
54	43.6	33.3	49.9





#25

Isophorone

Concen: 34.789 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117180.D

Acq: 19 Sep 2019 17:49

Instrument :

BNA_F

ClientSampleId :

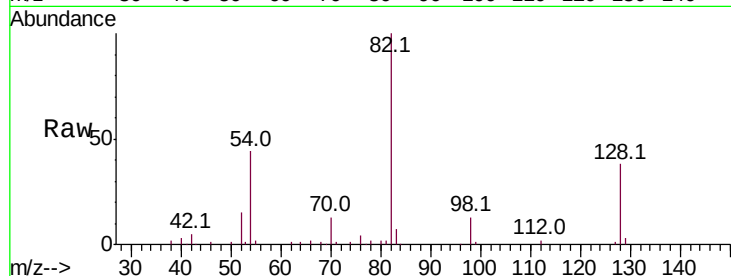
Tot Ion: 82 Resp: 133845

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

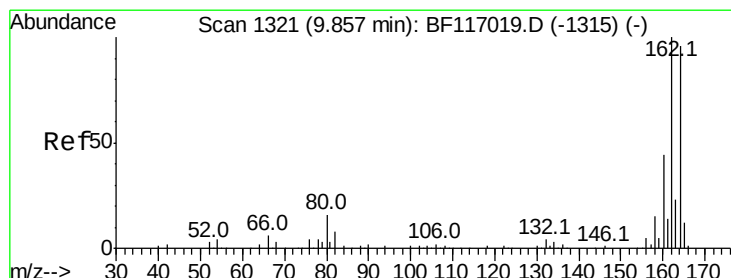
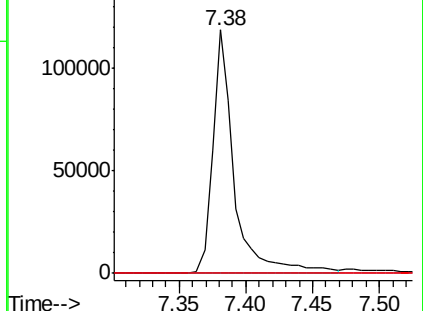
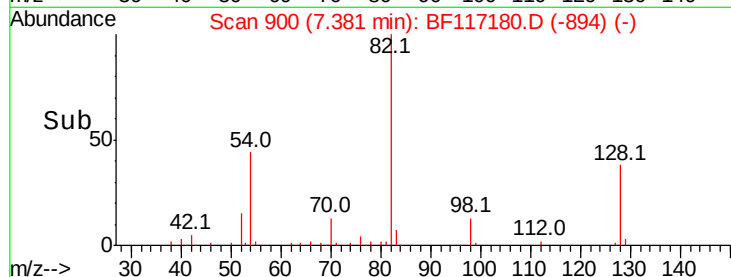
138 0.0 13.5 20.3#



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: BF117180.D

Acq: 19 Sep 2019 17:49

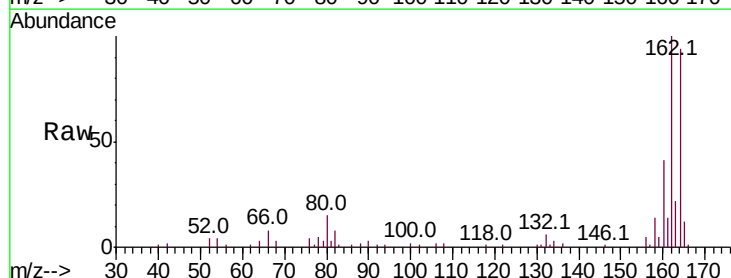
Tgt Ion: 164 Resp: 61885

Ion Ratio Lower Upper

164 100

162 106.7 83.4 125.2

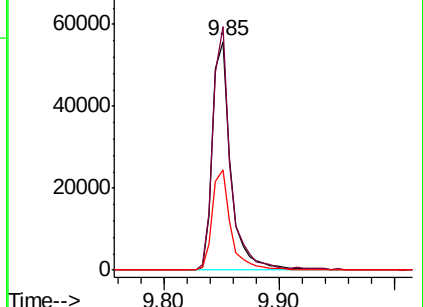
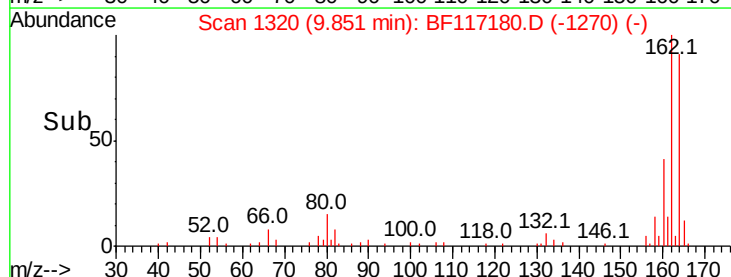
160 44.1 36.4 54.6

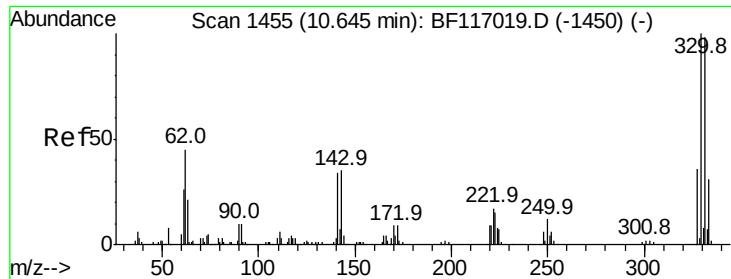


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 92.070 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117180.D

Acq: 19 Sep 2019 17:49

Instrument :

BNA_F

ClientSampleId :

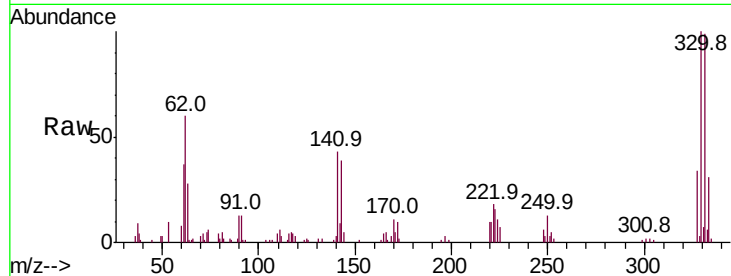
Tot Ion:330 Resp: 47620

Ion Ratio Lower Upper

330 100

332 97.0 78.0 117.0

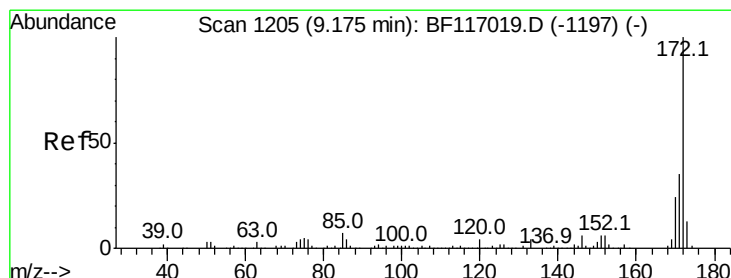
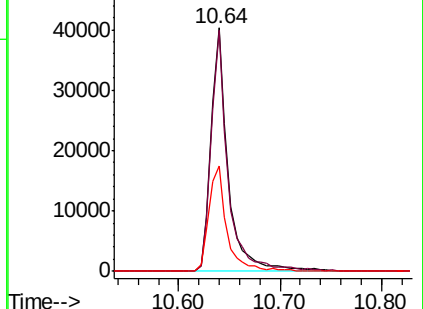
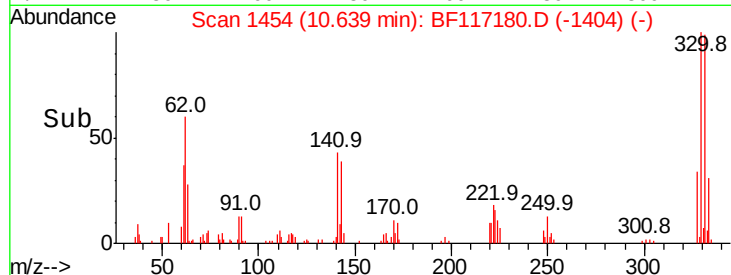
141 44.1 35.8 53.6



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: 66.135 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF117180.D

Acq: 19 Sep 2019 17:49

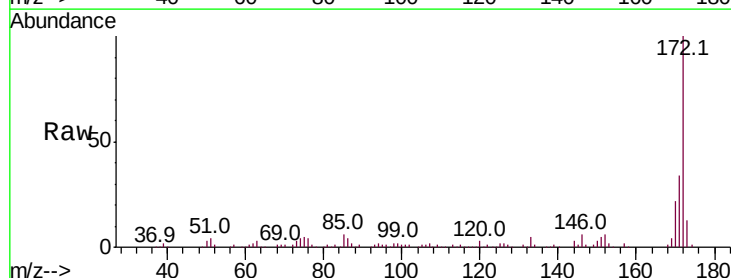
Tgt Ion:172 Resp: 261757

Ion Ratio Lower Upper

172 100

171 34.4 28.2 42.2

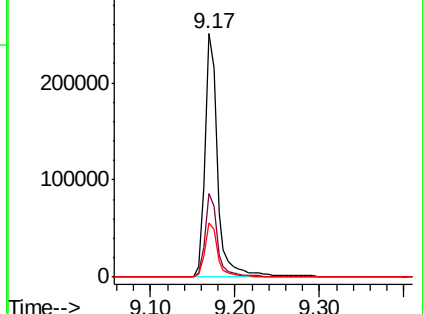
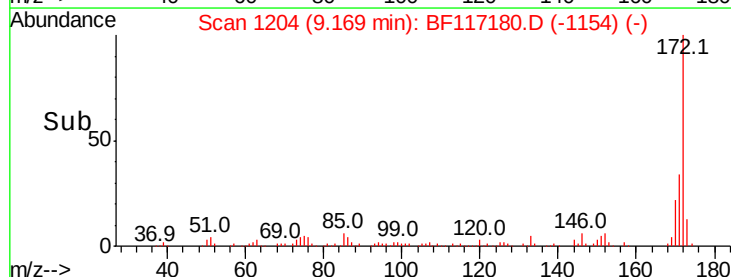
170 22.4 18.9 28.3

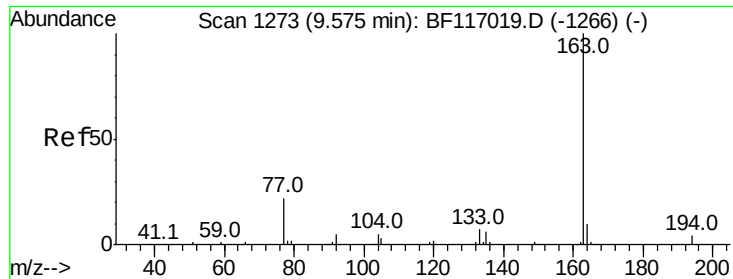


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

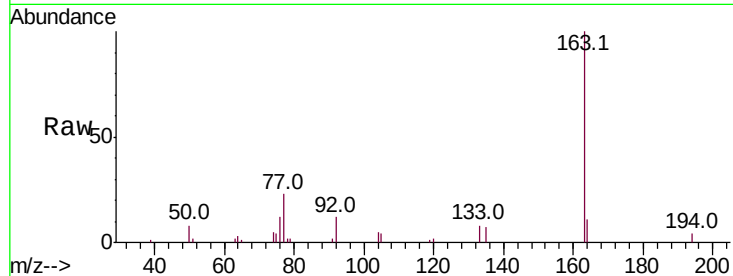




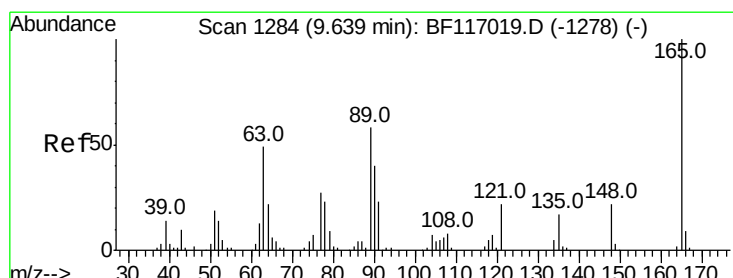
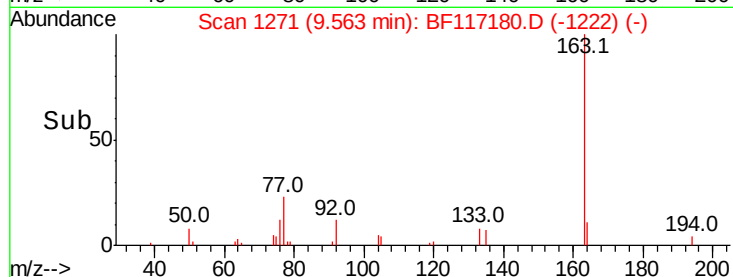
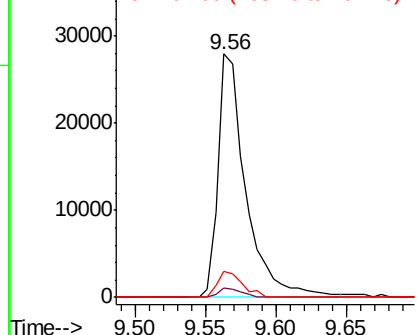
#50
Dimethylphthalate
Concen: 8.745 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117180.D
Acq: 19 Sep 2019 17:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 38317
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.7 8.2 12.4

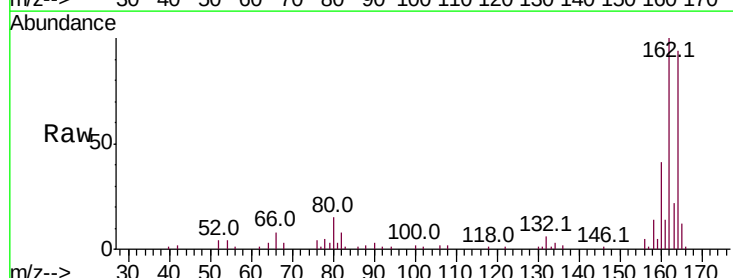


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

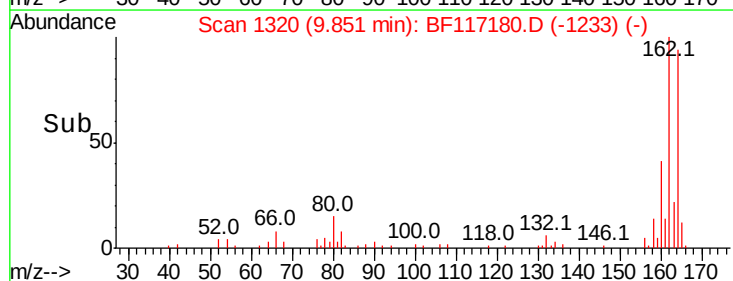
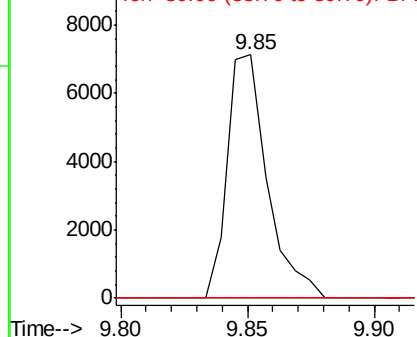


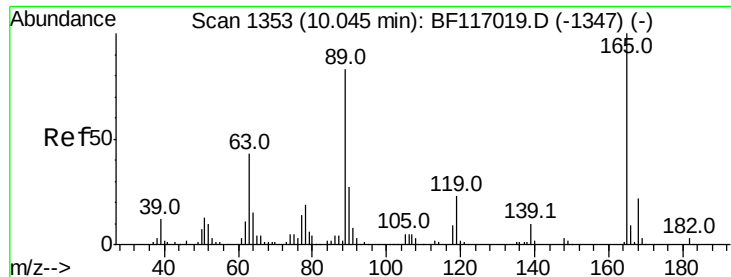
#51
2,6-Dinitrotoluene
Concen: 8.765 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117180.D
Acq: 19 Sep 2019 17:49

Tgt Ion:165 Resp: 7822
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

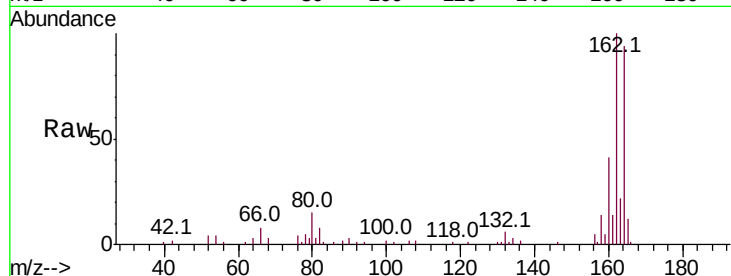




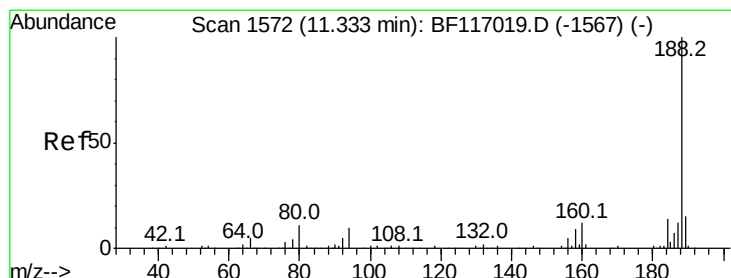
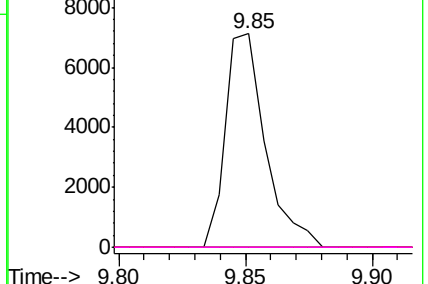
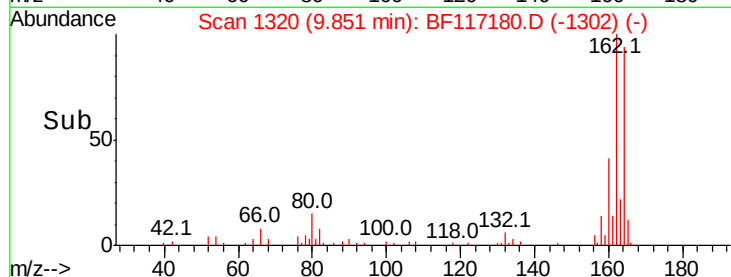
#57
 2,4-Dinitrotoluene
 Concen: 6.752 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117180.D
 Acq: 19 Sep 2019 17:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 7822
 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#

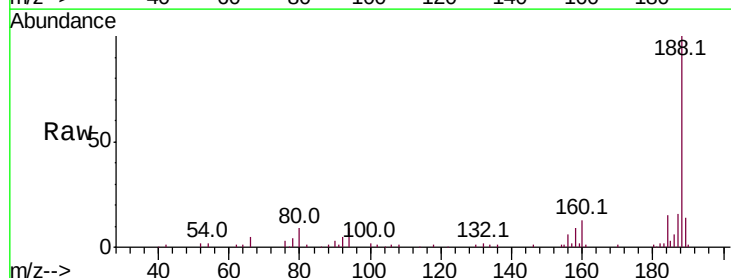


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

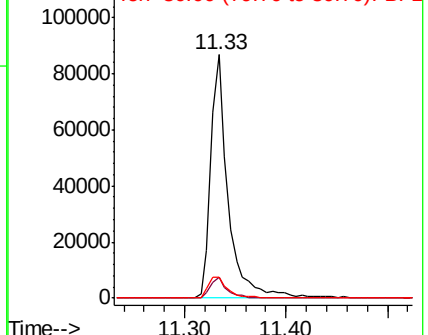
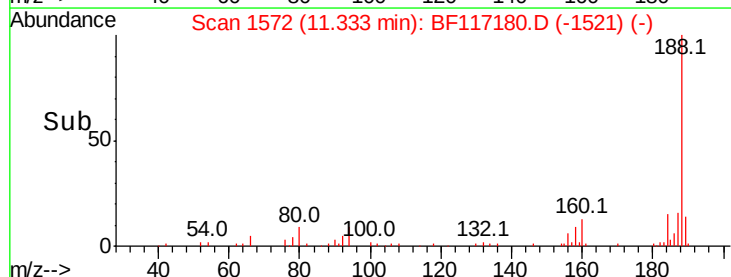


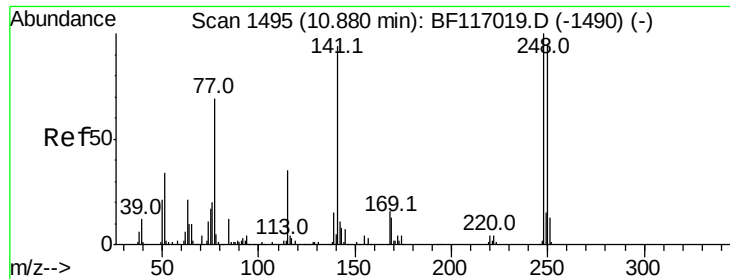
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117180.D
 Acq: 19 Sep 2019 17:49

Tgt Ion:188 Resp: 103546
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.2
 80 8.7 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

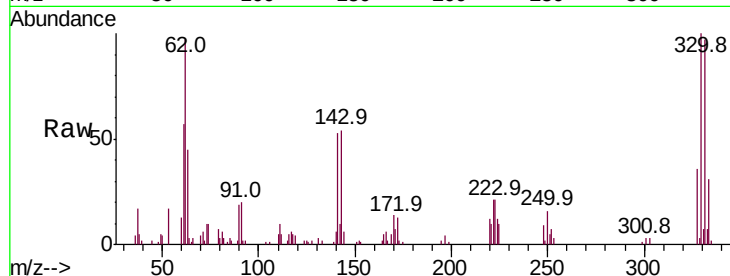




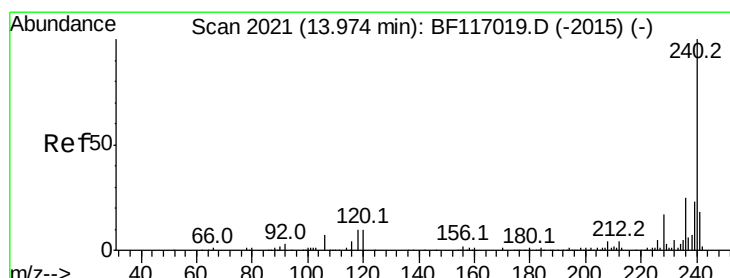
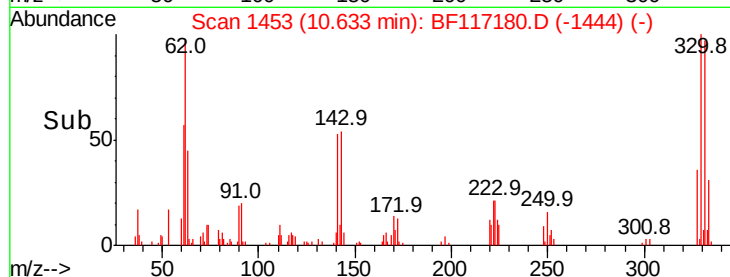
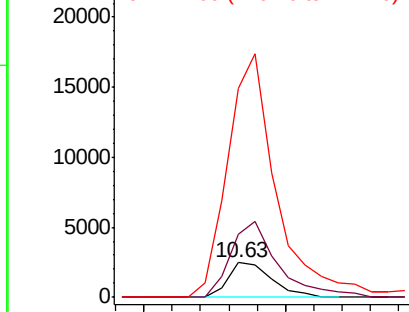
#67
4-Bromophenyl-phenylether
Concen: 2.519 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF117180.D
Acq: 19 Sep 2019 17:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 2664
Ion Ratio Lower Upper
248 100
250 182.1 76.2 114.4#
141 608.5 75.0 112.4#

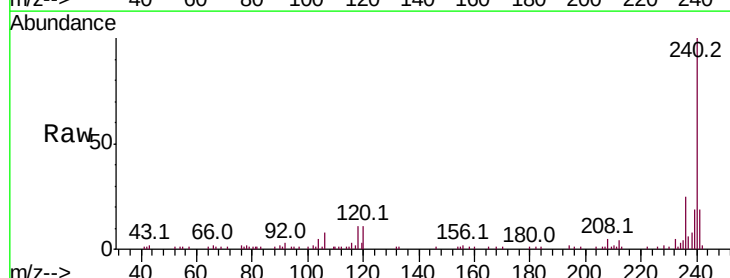


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

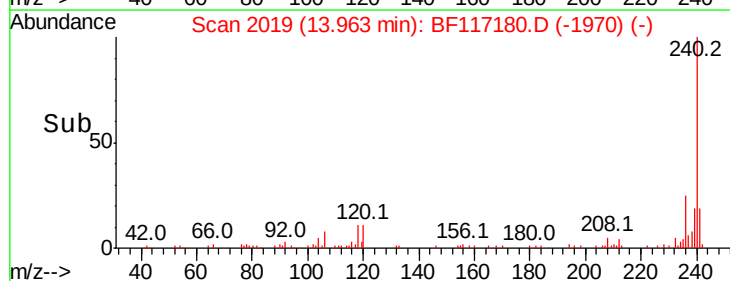
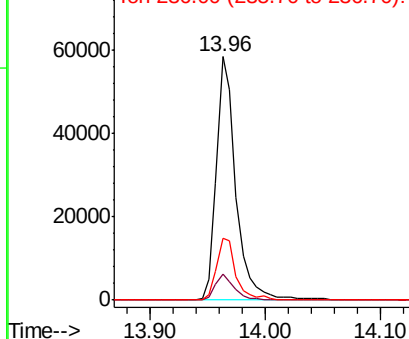


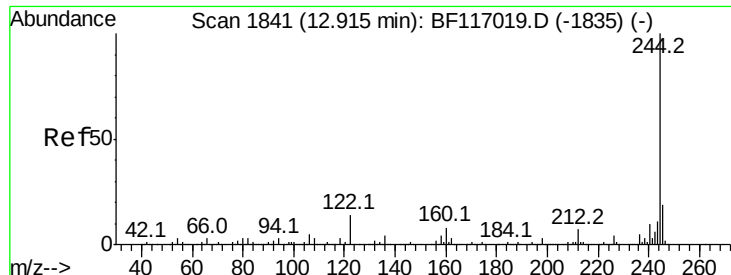
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117180.D
Acq: 19 Sep 2019 17:49

Tgt Ion:240 Resp: 68416
Ion Ratio Lower Upper
240 100
120 10.7 8.3 12.5
236 25.3 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

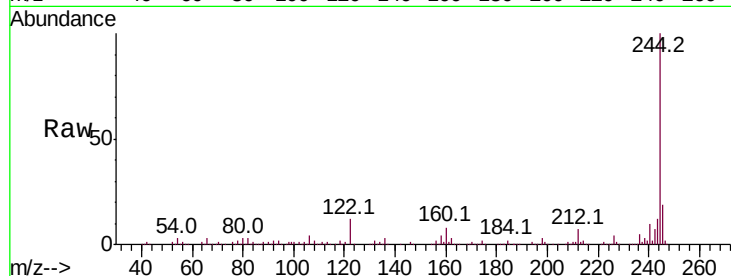




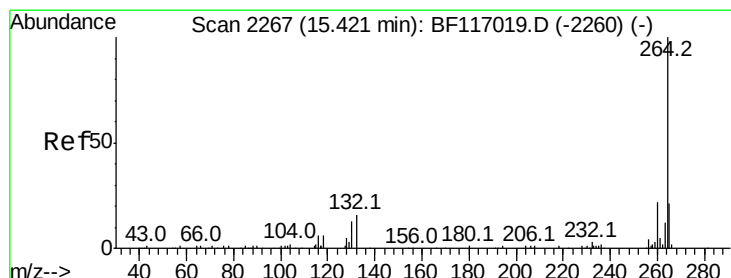
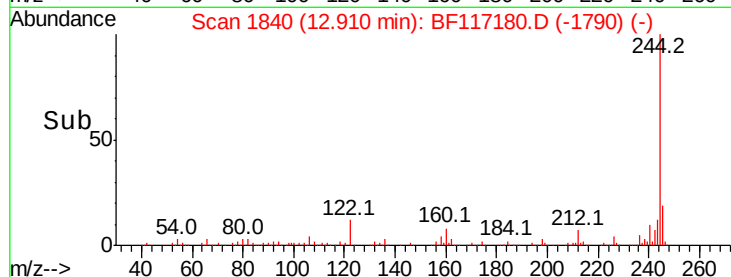
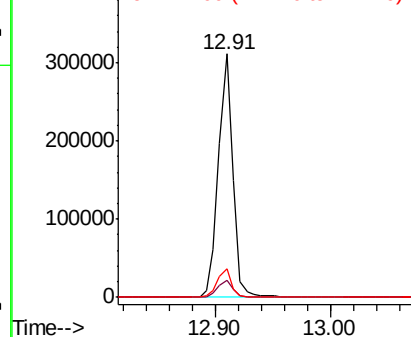
#79
 Terphenyl-d14
 Concen: 74.448 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117180.D
 Acq: 19 Sep 2019 17:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 272488
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 11.7 11.3 16.9

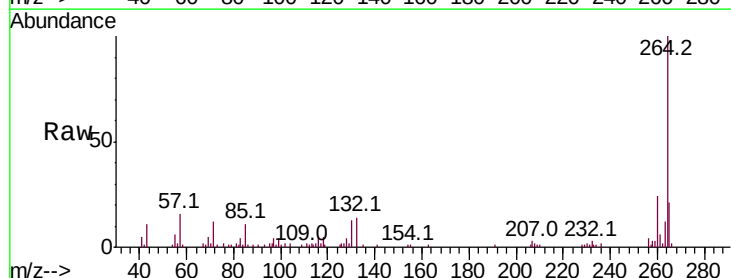


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117180.D
 Acq: 19 Sep 2019 17:49

Tgt Ion:264 Resp: 62839
 Ion Ratio Lower Upper
 264 100
 260 24.3 17.6 26.4
 265 20.7 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

