

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021919\
 Data File : BF112628.D
 Acq On : 19 Feb 2019 18:37
 Operator : JU/SJ
 Sample : K1515-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-14

Quant Time: Feb 19 23:37:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

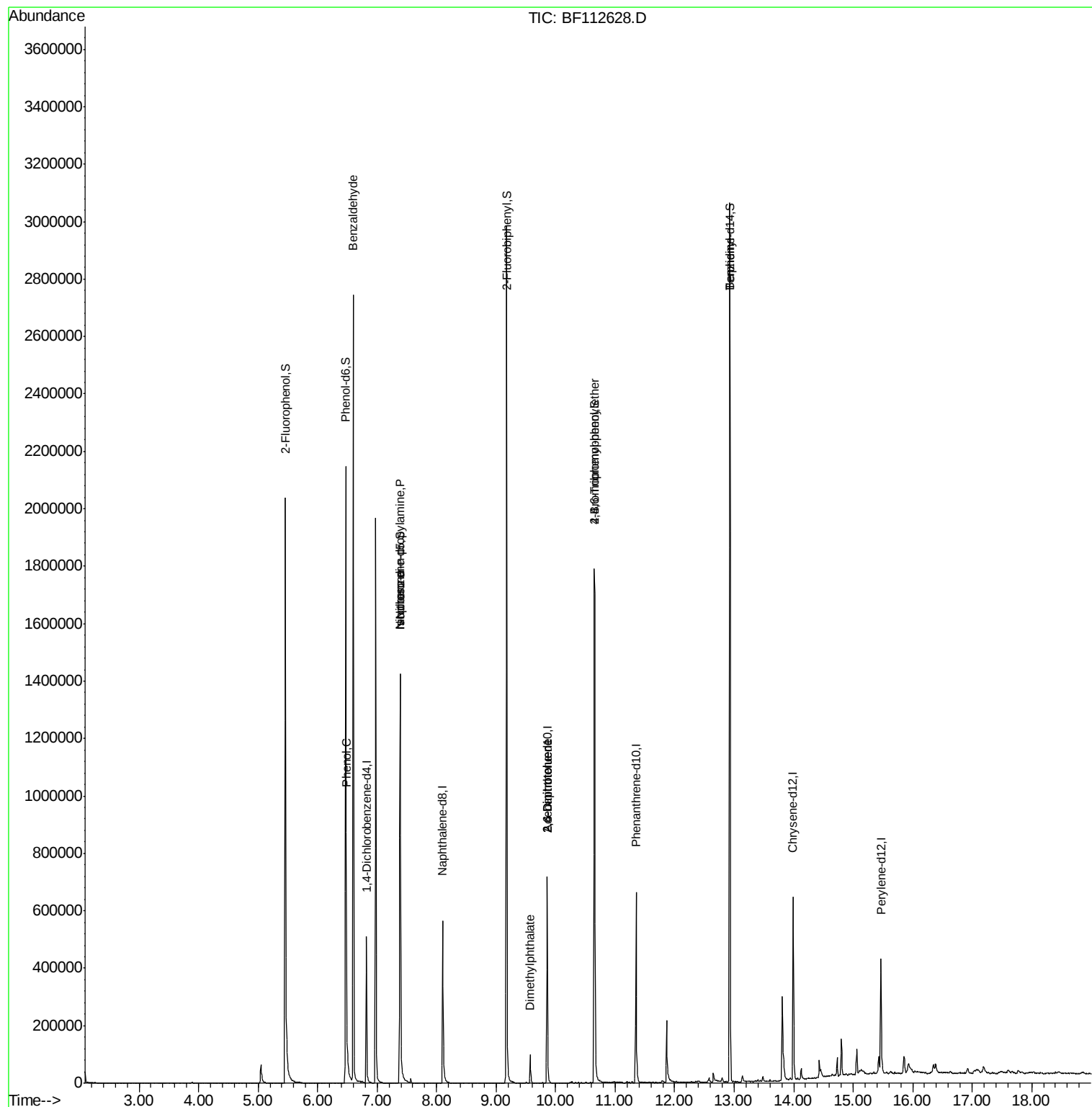
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	79316	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	306533	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	150218	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	295263	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	220782	20.00	ng	-0.02
87) Perylene-d12	15.47	264	199183	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	632056	169.26	ng	-0.02
7) Phenol-d6	6.47	99	782602	150.83	ng	-0.02
23) Nitrobenzene-d5	7.39	82	508208	95.53	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	256507	146.70	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	943375	88.82	ng	-0.03
79) Terphenyl-d14	12.93	244	989661	84.43	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.60	77	16952	6.251	ng	82
10) Phenol	6.49	94	14641	2.572	ng	83
19) n-Nitroso-di-n-propylamine	7.39	70	67999	19.005	ng	# 77
25) Isophorone	7.39	82	508239	60.897	ng	# 63
50) Dimethylphthalate	9.57	163	47835	4.099	ng	97
51) 2,6-Dinitrotoluene	9.86	165	18885	7.225	ng	# 35
57) 2,4-Dinitrotoluene	9.86	165	18885	5.675	ng	# 33
67) 4-Bromophenyl-phenylether	10.66	248	16023	4.614	ng	# 1
77) Benzidine	12.93	184	14031	2.309	ng	# 92

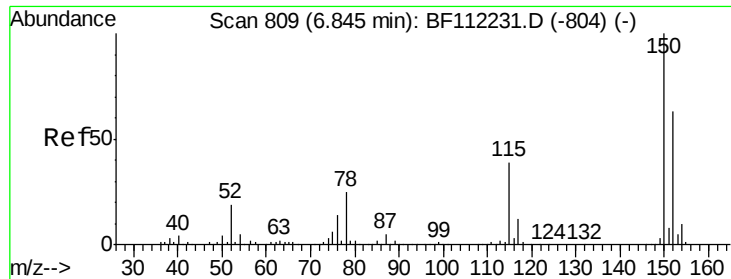
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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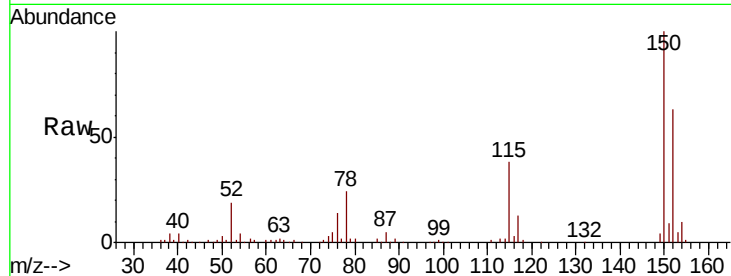


#1

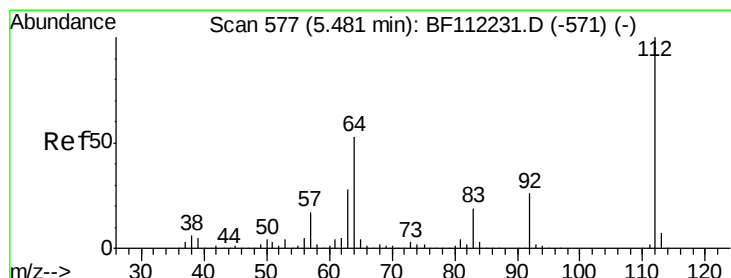
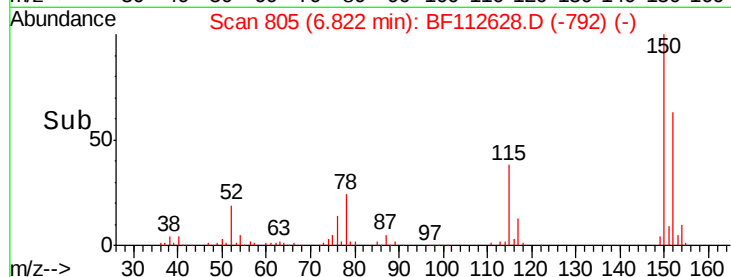
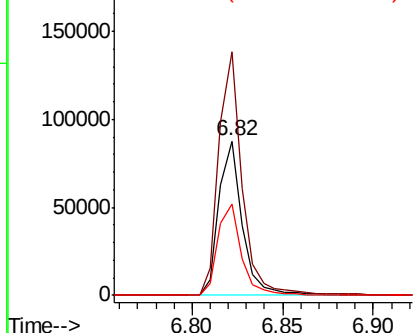
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112628.D
Acq: 19 Feb 2019 18:37

Instrument :
BNA_F
ClientSampleId :
TS-14

Tgt Ion:152 Resp: 79316
Ion Ratio Lower Upper
152 100
150 158.0 127.4 191.0
115 59.6 45.5 68.3



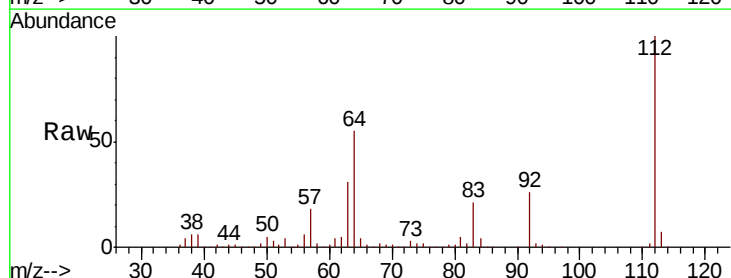
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



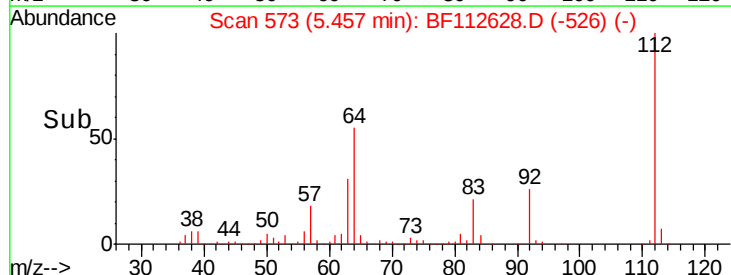
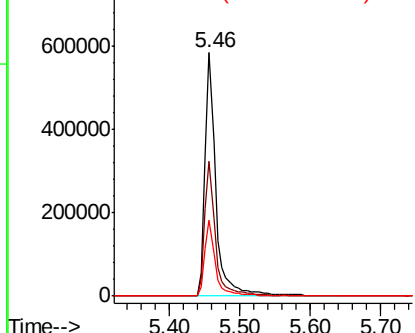
#5

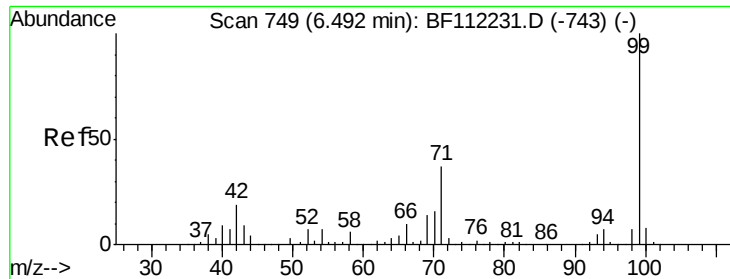
2-Fluorophenol
Concen: 169.263 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF112628.D
Acq: 19 Feb 2019 18:37

Tgt Ion:112 Resp: 632056
Ion Ratio Lower Upper
112 100
64 55.5 45.7 68.5
63 30.9 23.6 35.4



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: 150.825 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

Instrument :

BNA_F

ClientSampled :

TS-14

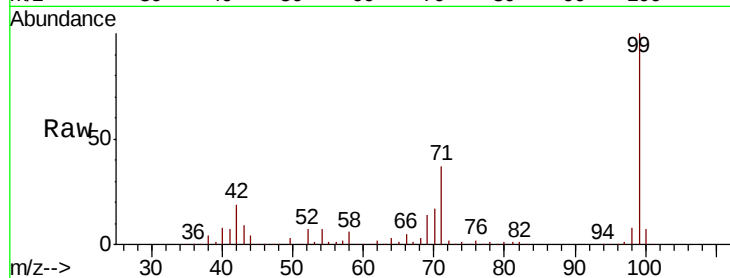
Tgt Ion: 99 Resp: 782602

Ion Ratio Lower Upper

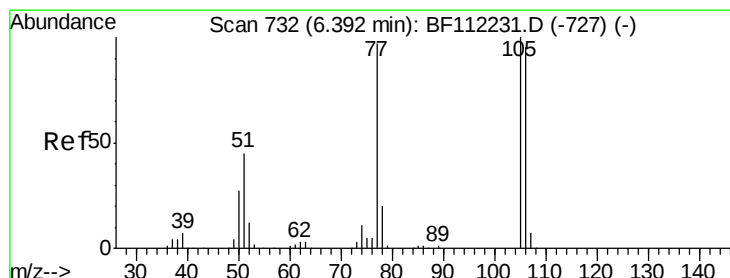
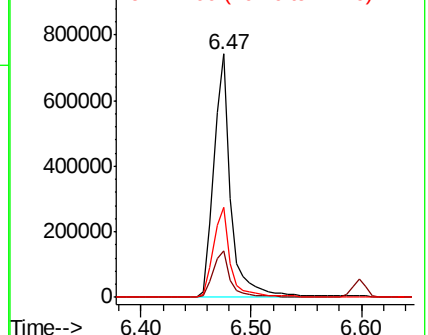
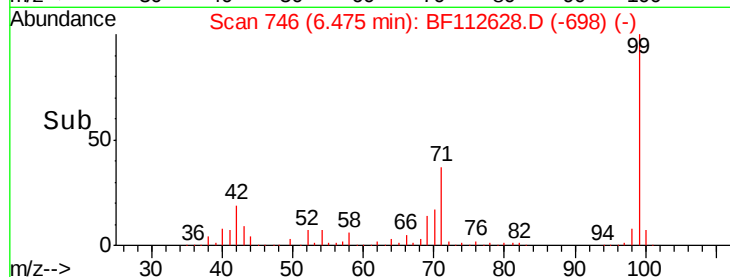
99 100

42 19.0 15.1 22.7

71 37.2 26.9 40.3



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: 6.251 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

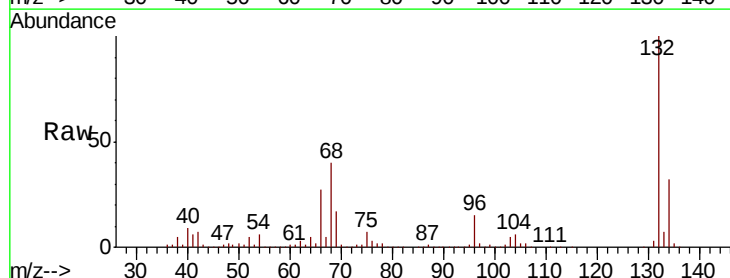
Tgt Ion: 77 Resp: 16952

Ion Ratio Lower Upper

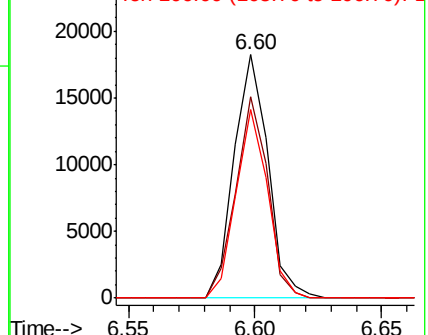
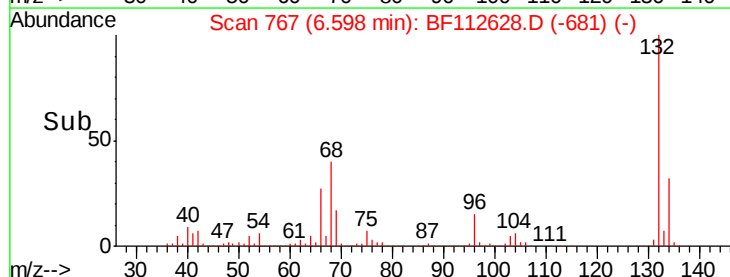
77 100

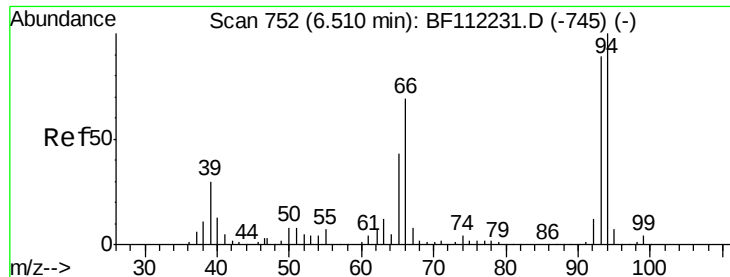
105 82.9 80.8 120.8

106 77.5 75.7 115.7



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: 2.572 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

Instrument :

BNA_F

ClientSampled :

TS-14

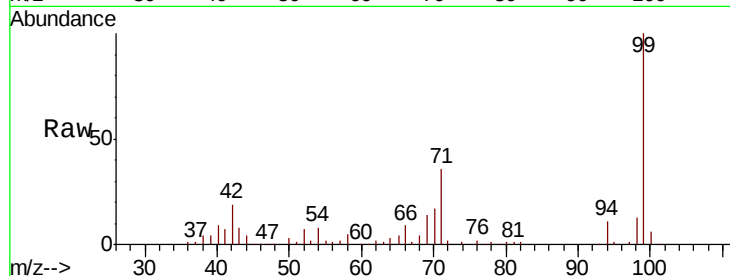
Tgt Ion: 94 Resp: 14641

Ion Ratio Lower Upper

94 100

65 37.7 20.3 60.3

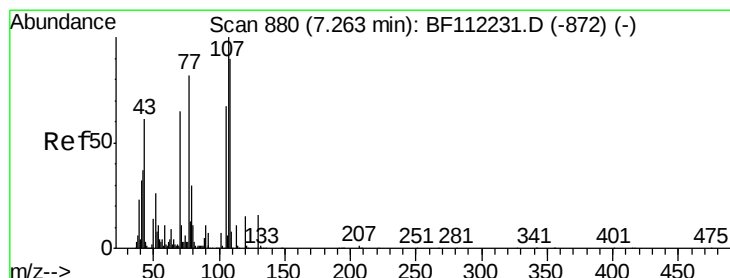
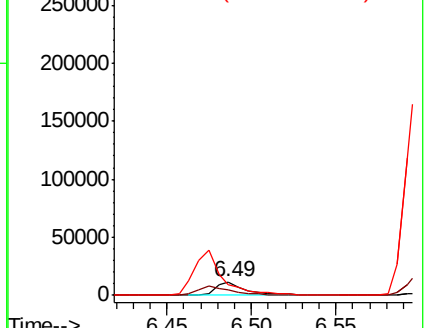
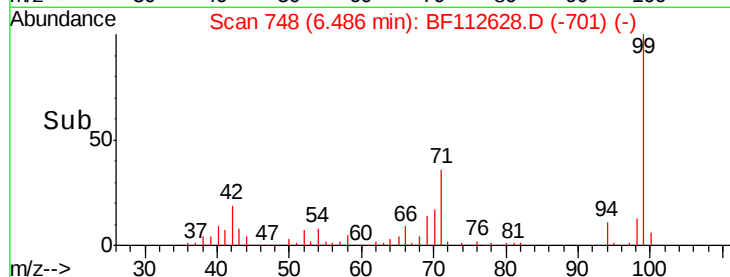
66 82.2 42.4 82.4



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: 19.005 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.12 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

Tgt Ion: 70 Resp: 67999

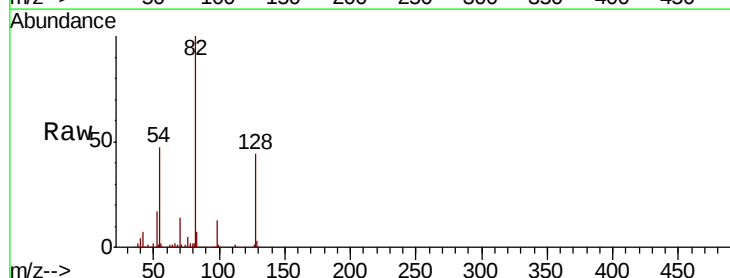
Ion Ratio Lower Upper

70 100

42 48.5 47.6 71.4

101 0.0 7.9 11.9#

130 2.1 18.4 27.6#

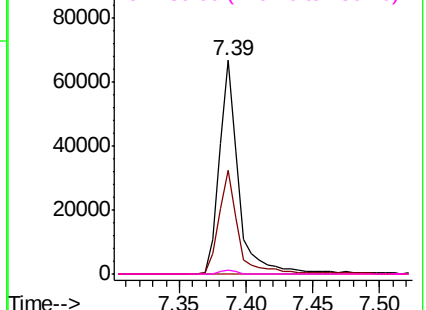
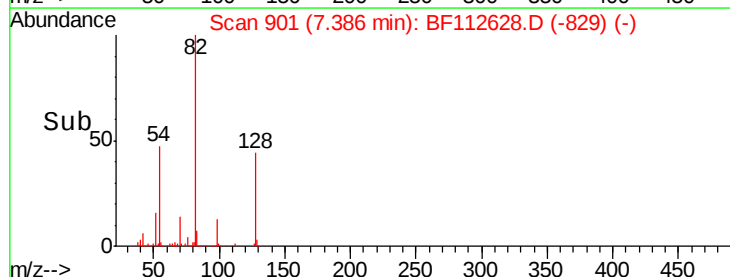


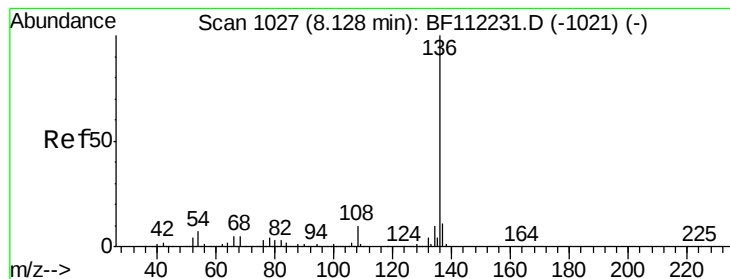
Abundance Ion 70.00 (69.70 to 70.70): BF1

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. -0.02 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

Instrument :

BNA_F

ClientSampleId :

TS-14

Tgt Ion: 136 Resp: 306533

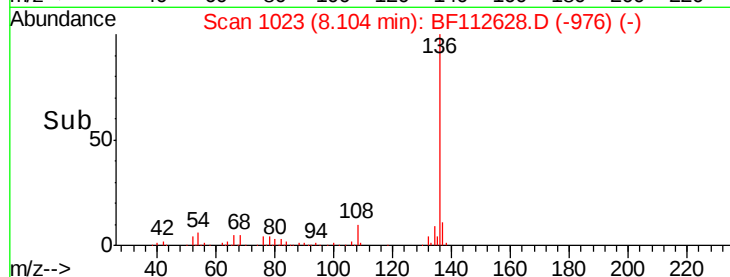
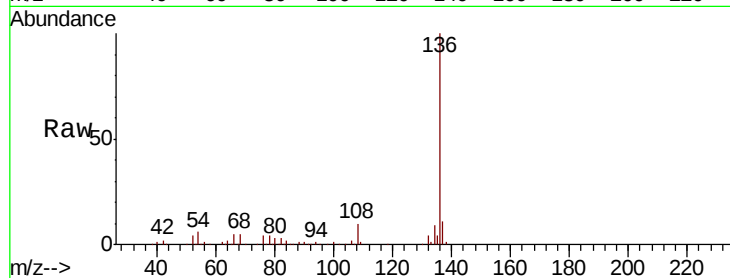
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 5.9 5.9 8.9#

68 4.5 5.1 7.7#

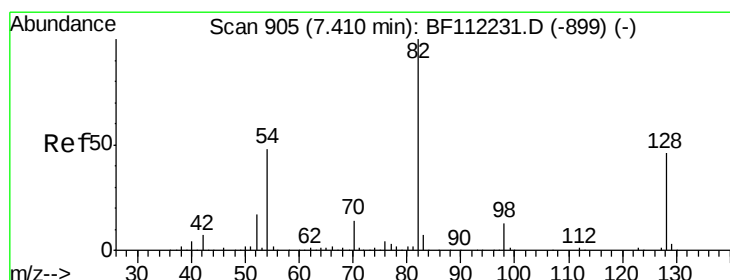
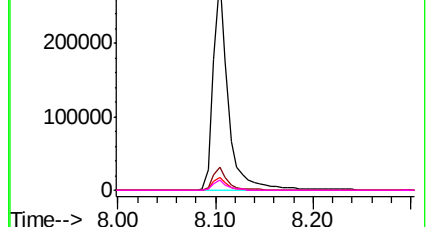


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.529 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

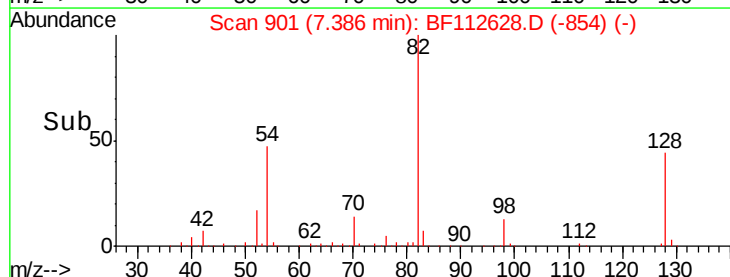
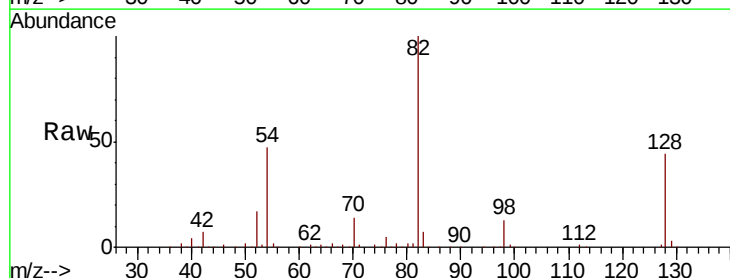
Tgt Ion: 82 Resp: 508208

Ion Ratio Lower Upper

82 100

128 44.3 37.8 56.8

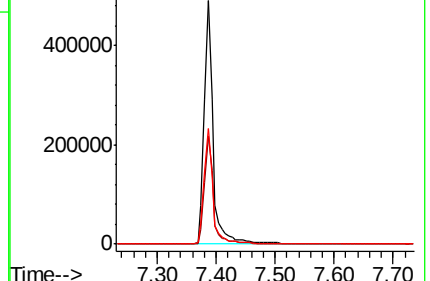
54 47.5 39.7 59.5

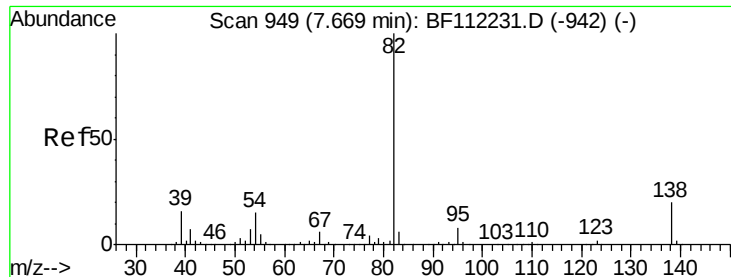


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 60.897 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.28 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

Instrument :

BNA_F

ClientSampleId :

TS-14

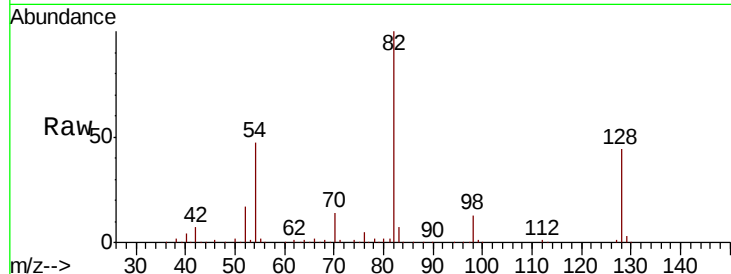
Tgt Ion: 82 Resp: 508239

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

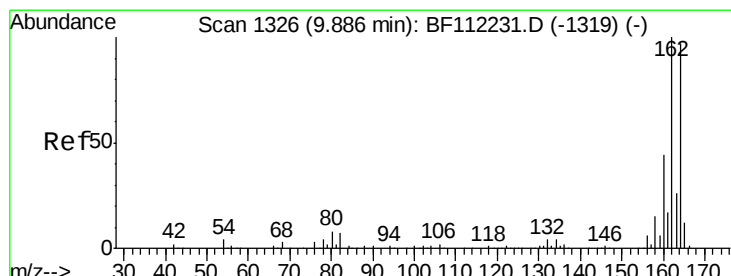
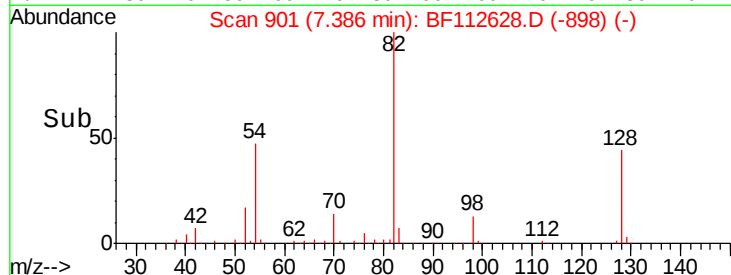
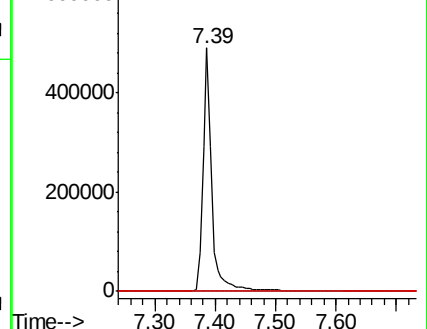
138 0.0 15.4 23.0#



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: 9.86 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

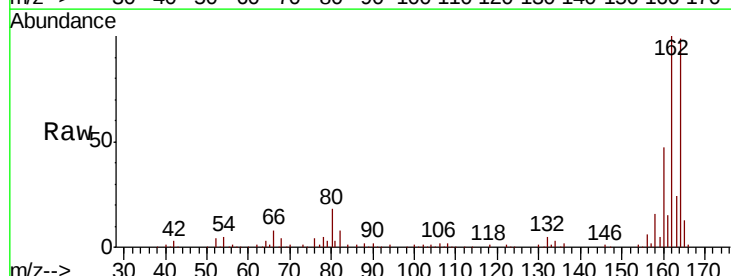
Tgt Ion: 164 Resp: 150218

Ion Ratio Lower Upper

164 100

162 100.8 82.2 123.4

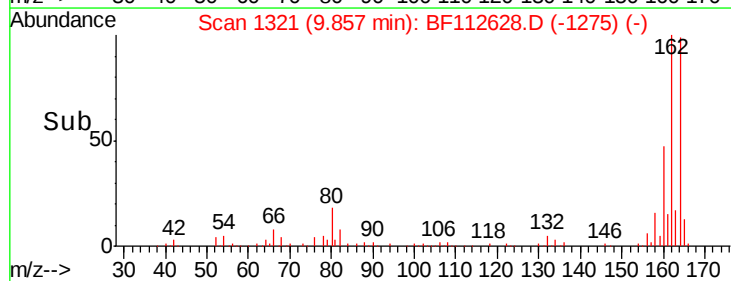
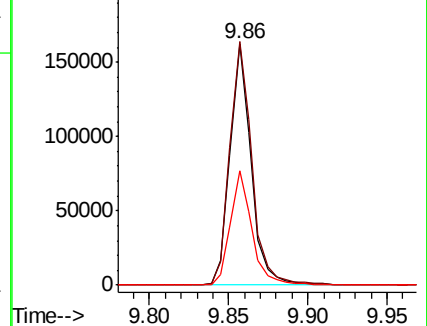
160 47.5 36.2 54.4

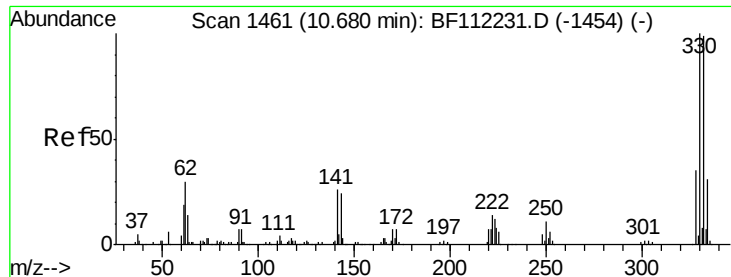


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 146.702 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

Instrument :

BNA_F

ClientSampleId :

TS-14

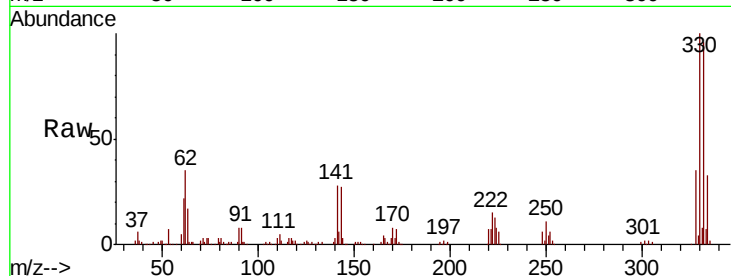
Tgt Ion:330 Resp: 256507

Ion Ratio Lower Upper

330 100

332 96.6 76.6 114.8

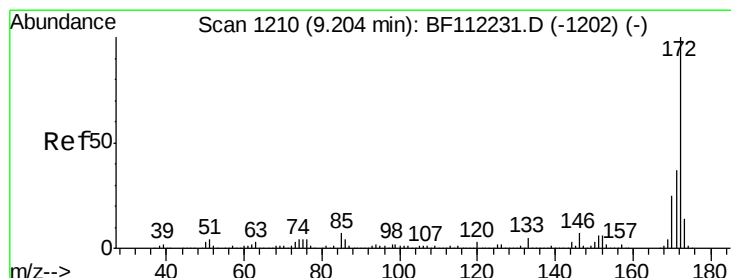
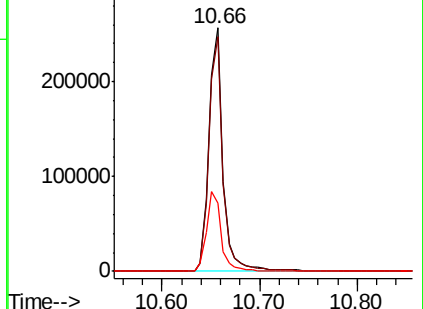
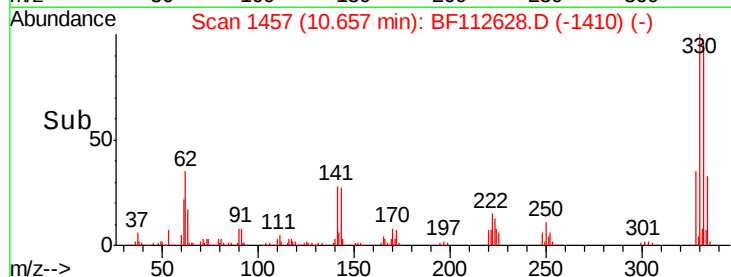
141 34.4 24.3 36.5



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: 88.821 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

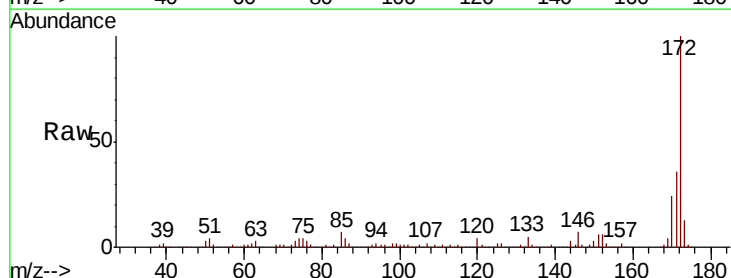
Tgt Ion:172 Resp: 943375

Ion Ratio Lower Upper

172 100

171 36.2 30.5 45.7

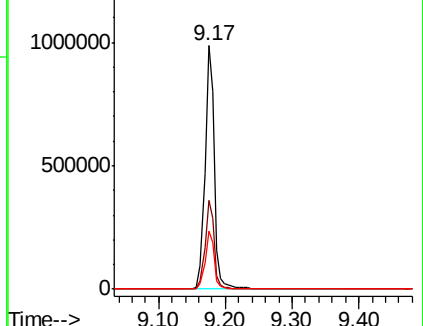
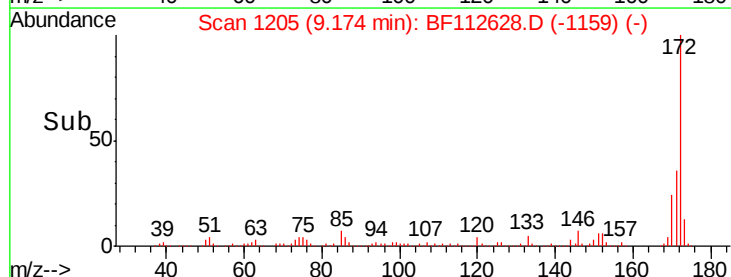
170 23.6 20.2 30.4

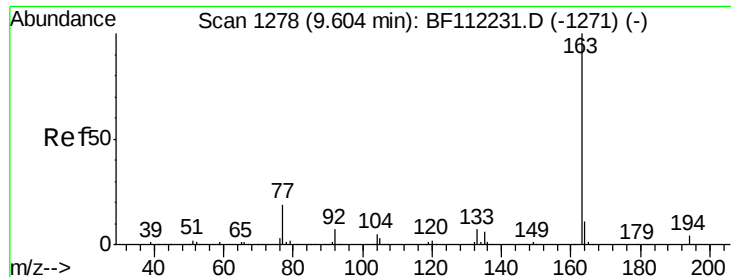


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

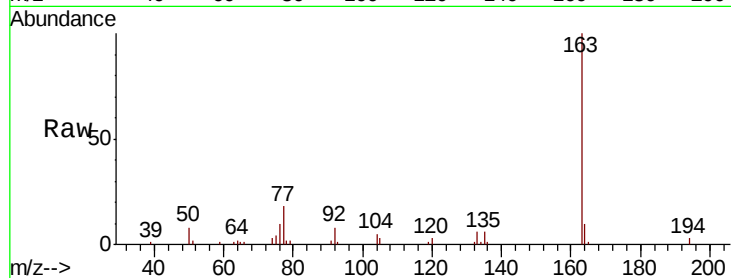




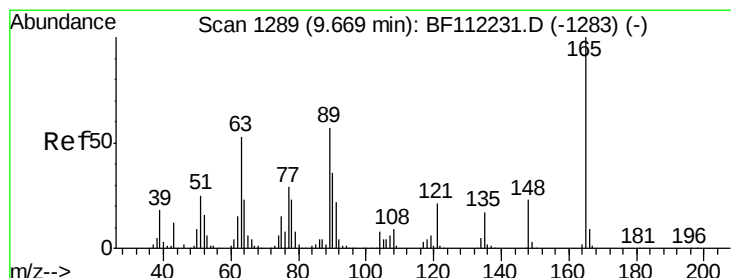
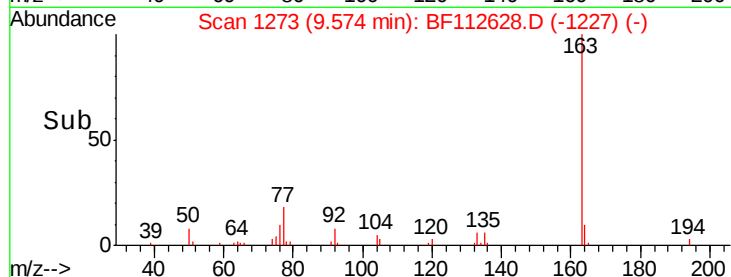
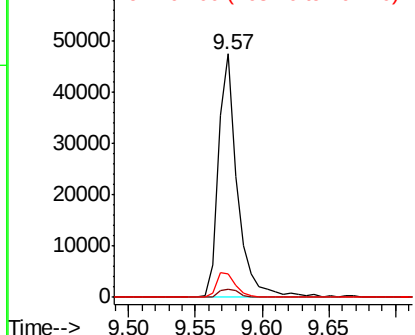
#50
Dimethylphthalate
Concen: 4.099 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF112628.D
Acq: 19 Feb 2019 18:37

Instrument :
BNA_F
ClientSampleId :
TS-14

Tgt Ion:163 Resp: 47835
Ion Ratio Lower Upper
163 100
194 3.4 3.3 4.9
164 9.6 8.5 12.7

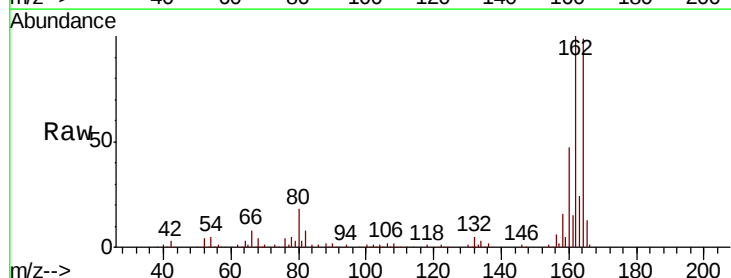


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

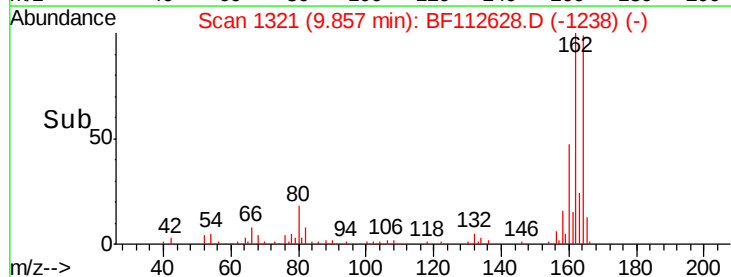
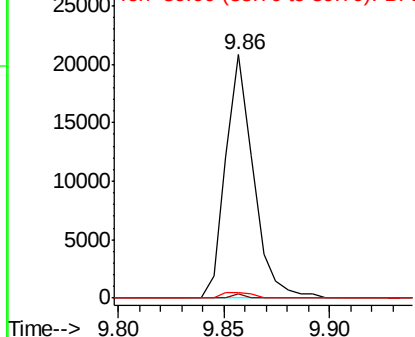


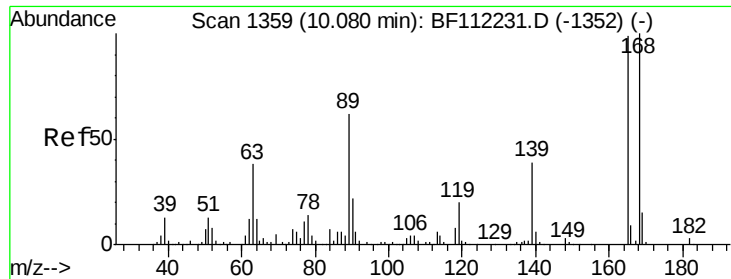
#51
2,6-Dinitrotoluene
Concen: 7.225 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.19 min
Lab File: BF112628.D
Acq: 19 Feb 2019 18:37

Tgt Ion:165 Resp: 18885
Ion Ratio Lower Upper
165 100
63 1.8 33.8 50.8#
89 2.3 36.9 55.3#



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: 5.675 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.22 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

Instrument :

BNA_F

ClientSampleId :

TS-14

Tgt Ion:165 Resp: 18885

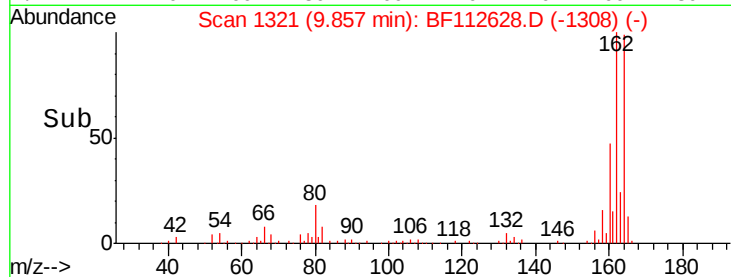
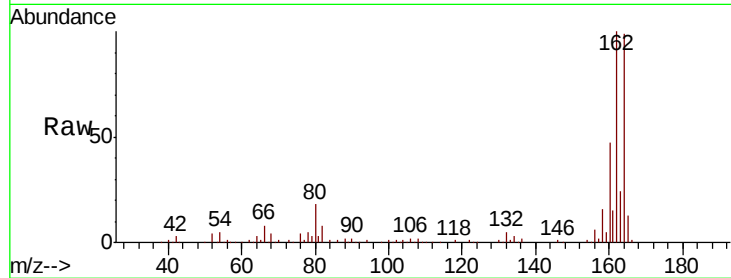
Ion Ratio Lower Upper

165 100

63 1.8 27.9 41.9#

89 2.3 47.9 71.9#

182 0.0 2.2 3.4#

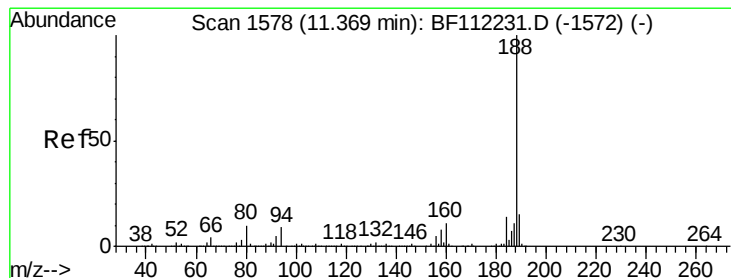
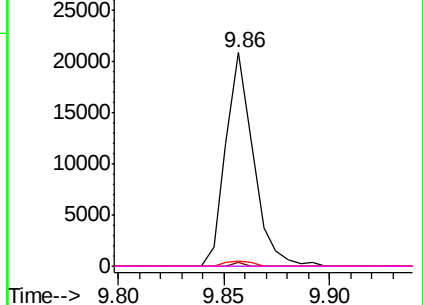


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

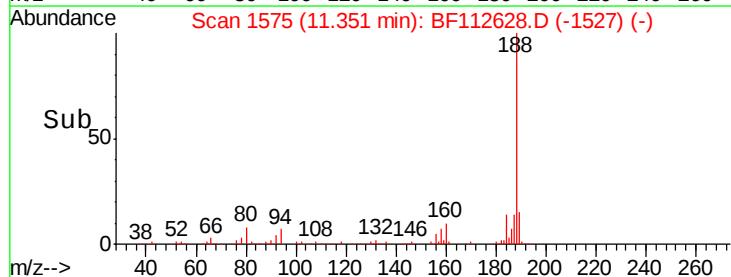
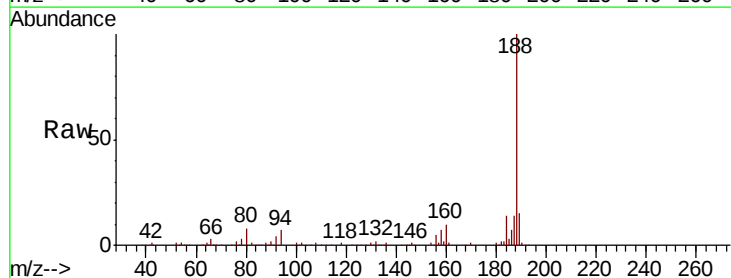
Tgt Ion:188 Resp: 295263

Ion Ratio Lower Upper

188 100

94 7.0 8.2 12.2#

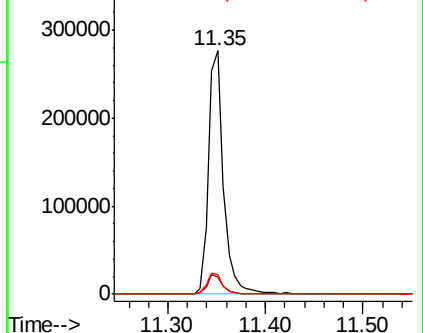
80 7.9 8.9 13.3#

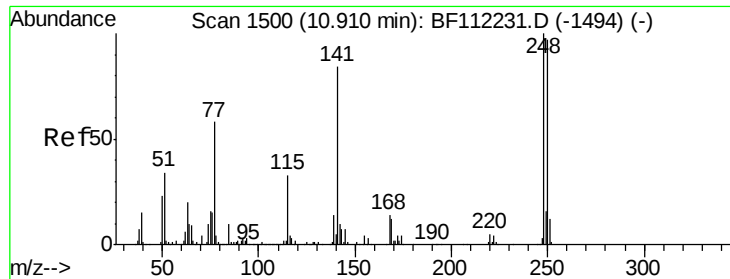


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

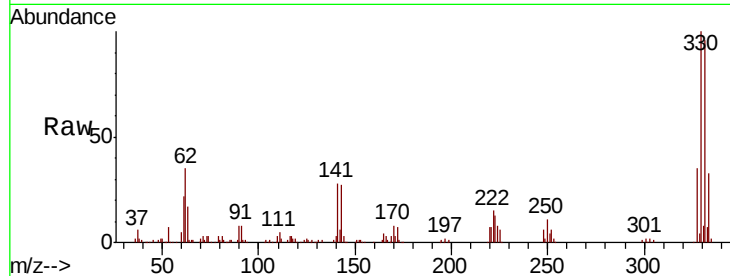




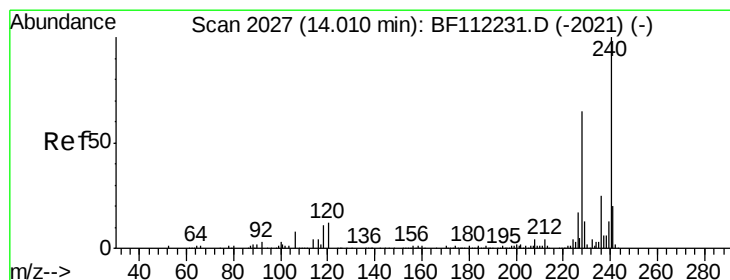
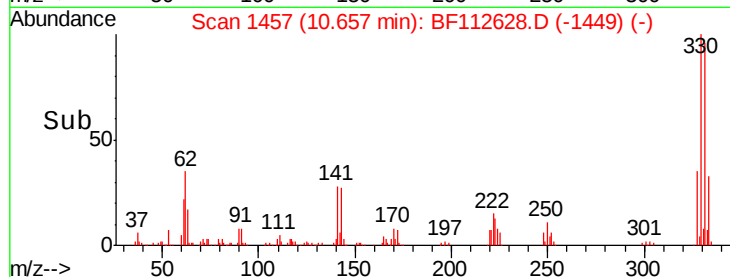
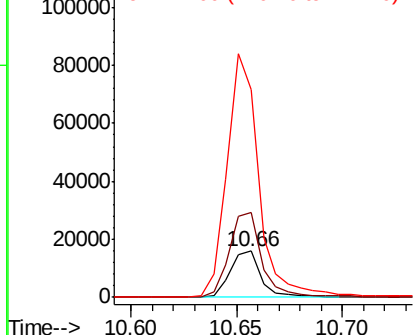
#67
 4-Bromophenyl-phenylether
 Concen: 4.614 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.25 min
 Lab File: BF112628.D
 Acq: 19 Feb 2019 18:37

Instrument :
 BNA_F
 ClientSampled :
 TS-14

Tgt Ion:248 Resp: 16023
 Ion Ratio Lower Upper
 248 100
 250 182.2 79.7 119.5#
 141 447.7 60.3 90.5#

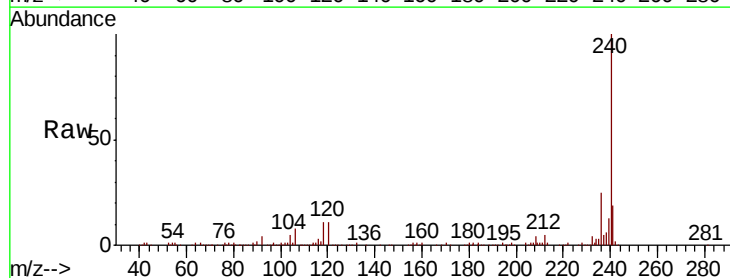


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

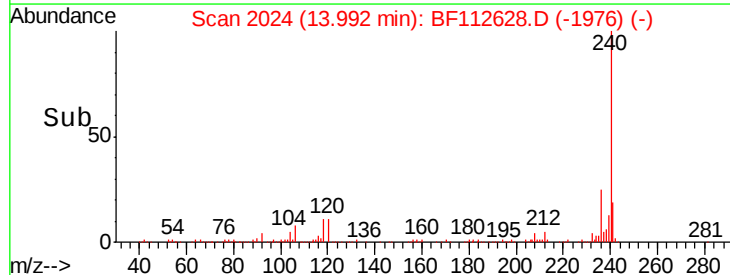
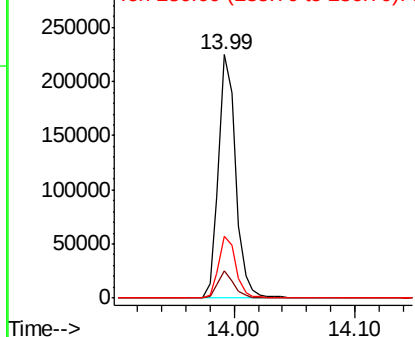


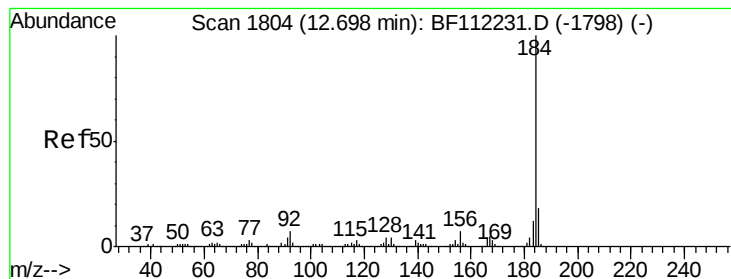
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF112628.D
 Acq: 19 Feb 2019 18:37

Tgt Ion:240 Resp: 220782
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.0 13.6
 236 25.4 20.7 31.1



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: 2.309 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.23 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

Instrument :

BNA_F

ClientSampleId :

TS-14

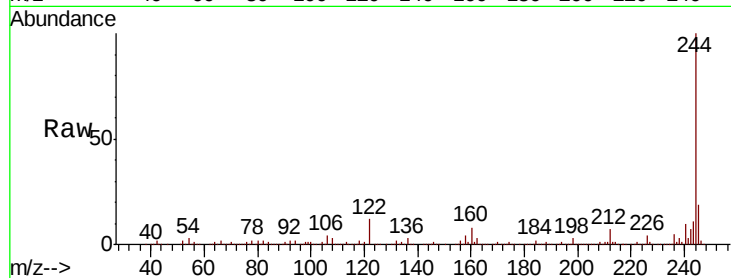
Tgt Ion:184 Resp: 14031

Ion Ratio Lower Upper

184 100

185 13.6 13.9 20.9#

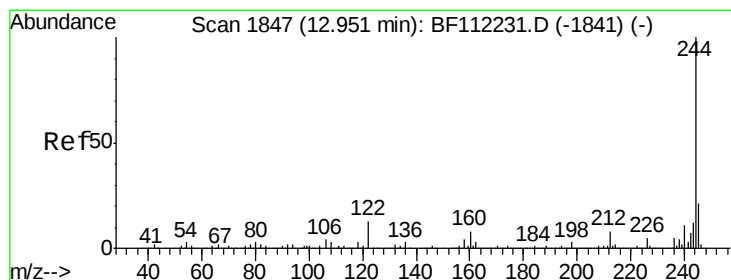
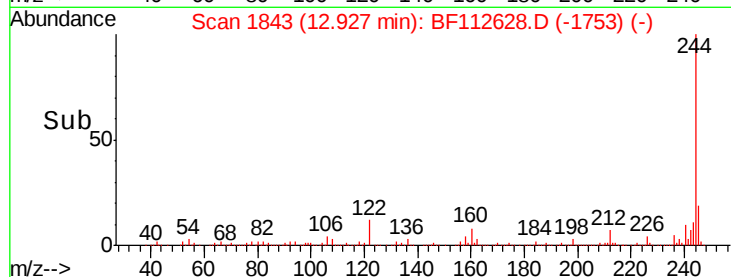
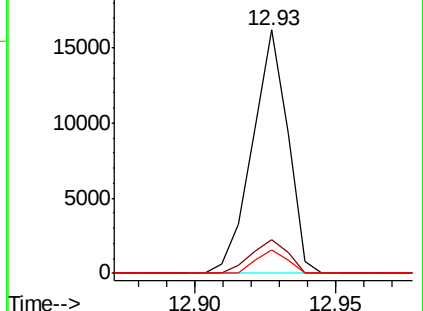
183 9.7 10.0 15.0#



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: 84.426 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BF112628.D

Acq: 19 Feb 2019 18:37

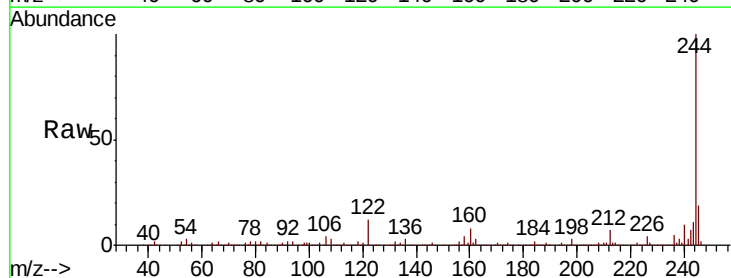
Tgt Ion:244 Resp: 989661

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

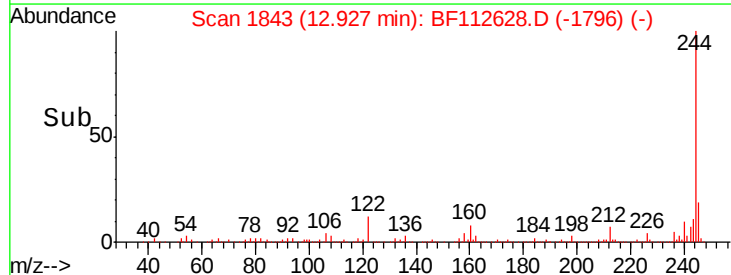
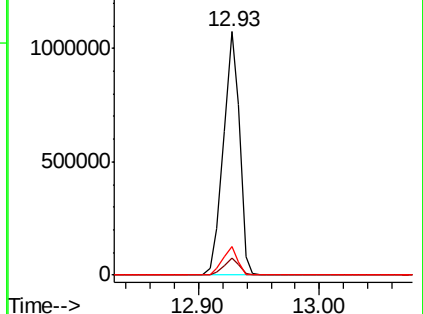
122 11.9 9.8 14.6

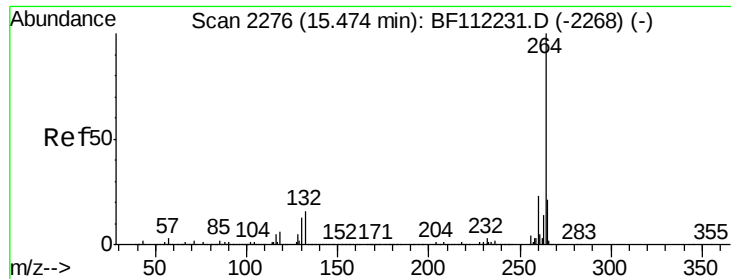


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112628.D
Acq: 19 Feb 2019 18:37

Instrument :
BNA_F
ClientSampleId :
TS-14

Tgt Ion:	264	Resp:	199183
Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.2	27.2
265	22.1	17.0	25.4

