

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
 Data File : BF112706.D
 Acq On : 25 Feb 2019 21:56
 Operator : JU/SJ
 Sample : K1596-05RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-14RE

Quant Time: Feb 26 00:08:55 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

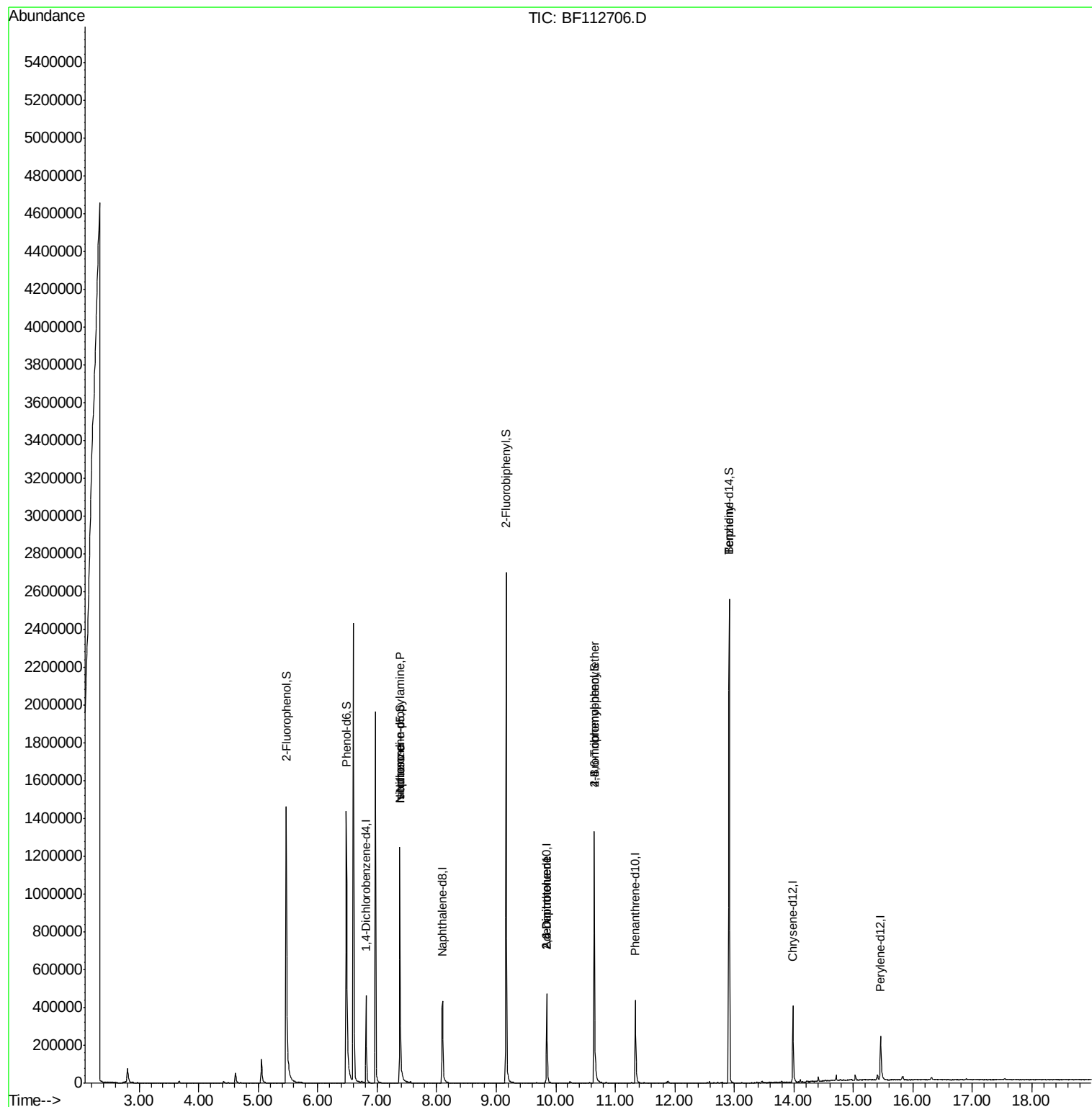
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	75801	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	277125	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	114875	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	197877	20.00	ng	-0.03
76) Chrysene-d12	13.99	240	179549	20.00	ng	-0.02
87) Perylene-d12	15.46	264	143666	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	565650	158.50	ng	0.00
7) Phenol-d6	6.48	99	611823	123.38	ng	-0.01
23) Nitrobenzene-d5	7.38	82	483184	100.46	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	190187	142.24	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	884675	108.92	ng	-0.04
79) Terphenyl-d14	12.92	244	848014	88.96	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	67057	19.611	ng	# 77
25) Isophorone	7.38	82	483181	64.039	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	14966	7.487	ng	# 34
57) 2,4-Dinitrotoluene	9.85	165	14966	5.881	ng	# 32
67) 4-Bromophenyl-phenylether	10.65	248	11225	4.823	ng	# 1
77) Benzidine	12.92	184	12245	2.478	ng	# 97

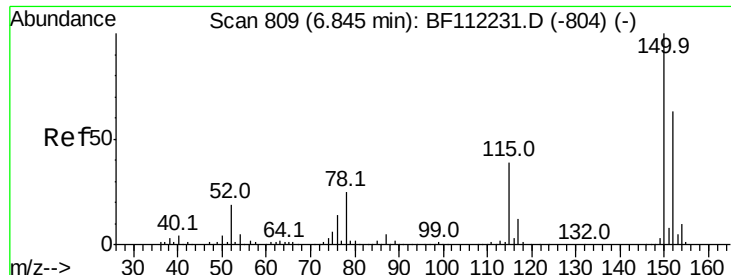
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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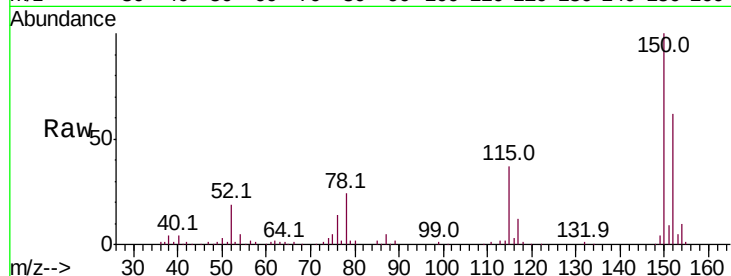


#1

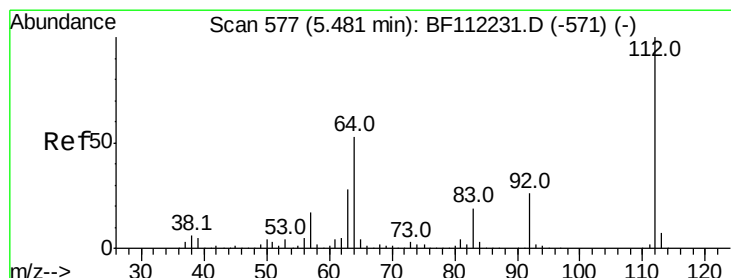
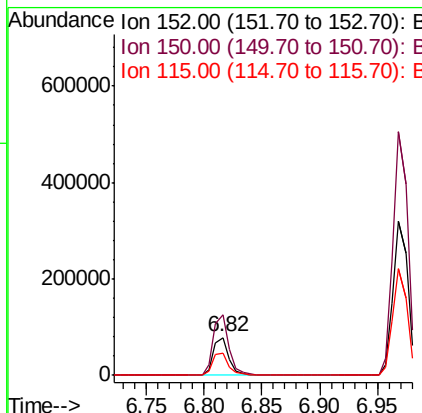
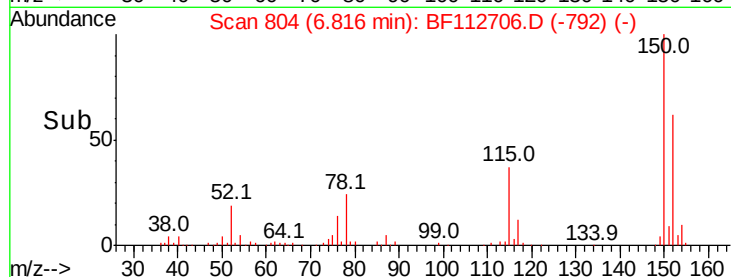
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF112706.D
 Acq: 25 Feb 2019 21:56

Instrument :
 BNA_F
 ClientSampleId :
 COMP-14RE

Tot Ion:152 Resp: 75801
 Ion Ratio Lower Upper
 152 100
 150 161.1 127.4 191.0
 115 59.8 45.5 68.3



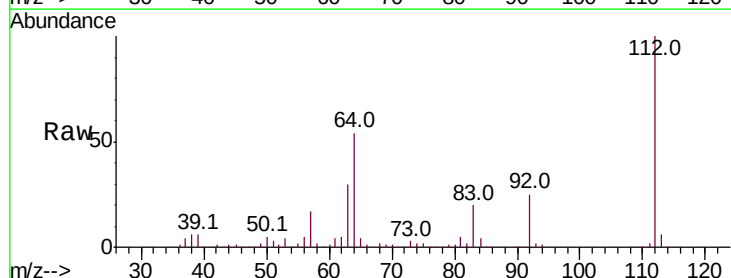
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



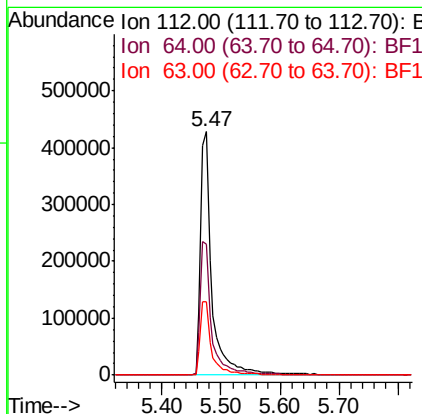
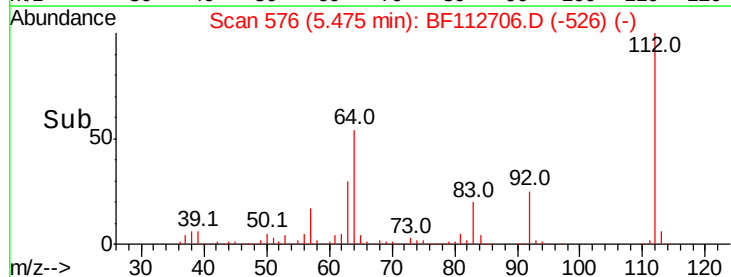
#5

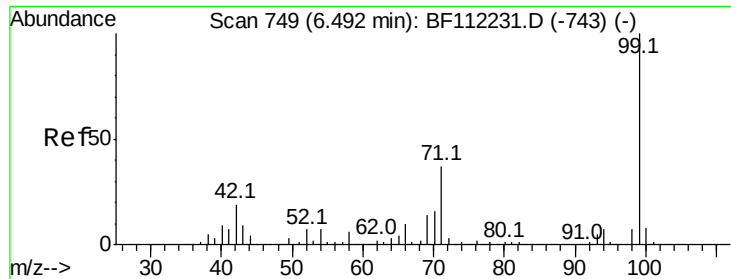
2-Fluorophenol
 Concen: 158.504 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF112706.D
 Acq: 25 Feb 2019 21:56

Tgt Ion:112 Resp: 565650
 Ion Ratio Lower Upper
 112 100
 64 53.6 45.7 68.5
 63 30.4 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: 123.380 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

Instrument :

BNA_F

ClientSampleId :

COMP-14RE

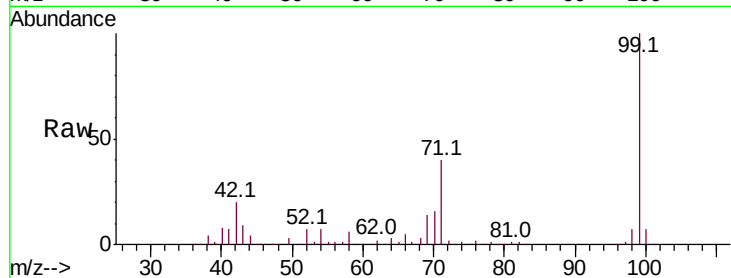
Tot Ion: 99 Resp: 611823

Ion Ratio Lower Upper

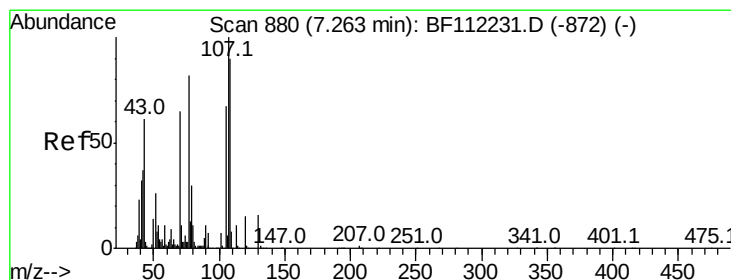
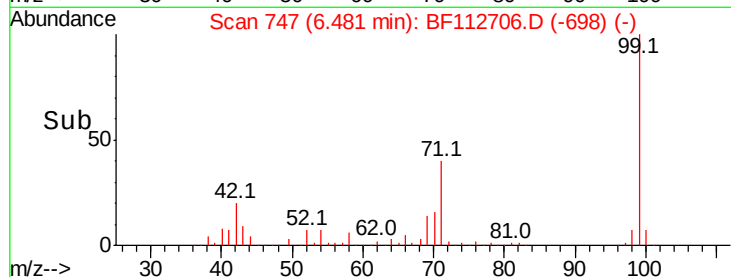
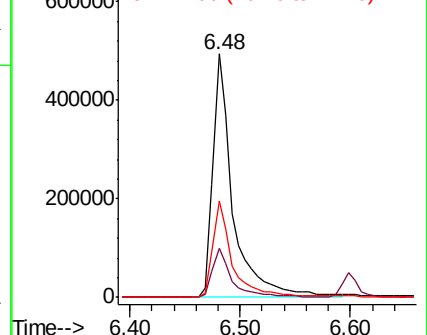
99 100

42 20.0 15.1 22.7

71 39.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 19.611 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.12 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

Tgt Ion: 70 Resp: 67057

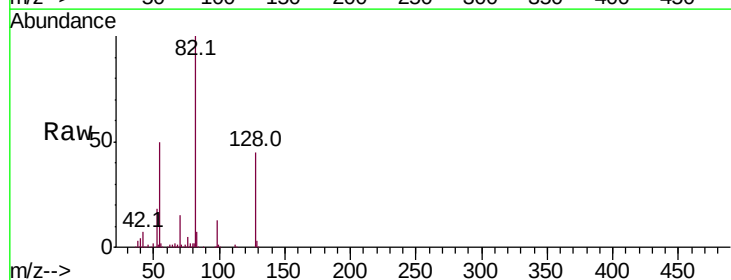
Ion Ratio Lower Upper

70 100

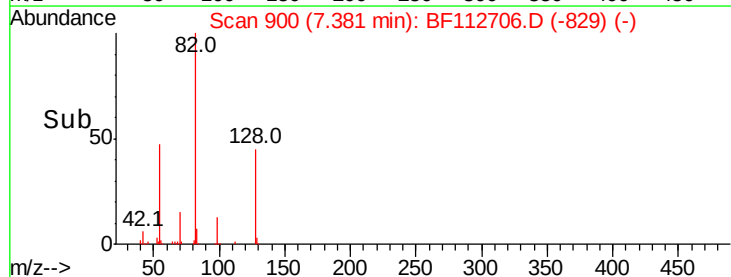
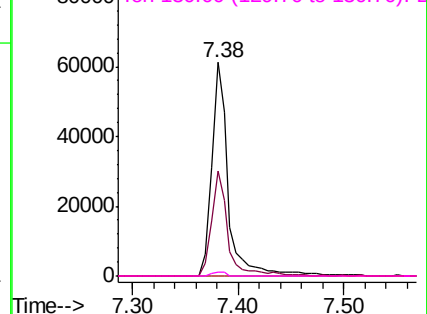
42 49.1 47.6 71.4

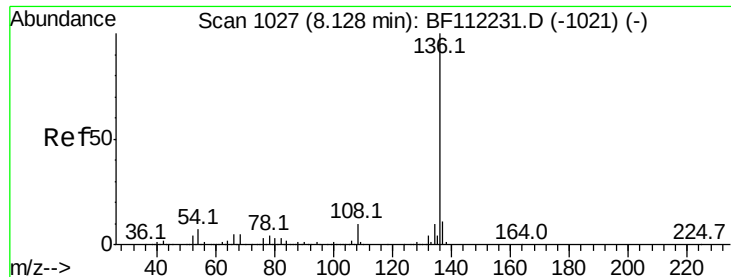
101 0.0 7.9 11.9#

130 1.8 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# 1022

Delta R.T. -0.03 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

Instrument :

BNA_F

ClientSampleId :

COMP-14RE

Tot Ion:136 Resp: 277125

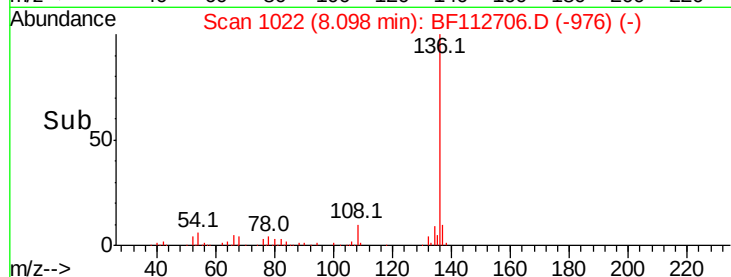
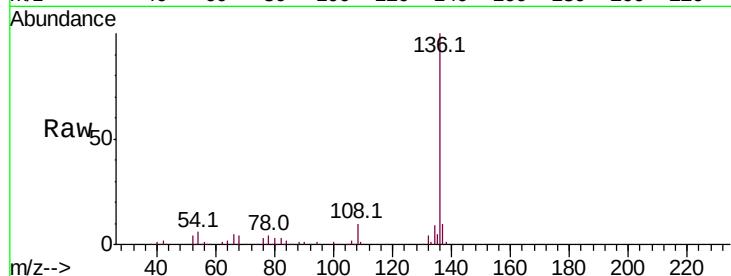
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 6.0 5.9 8.9

68 3.9 5.1 7.7#

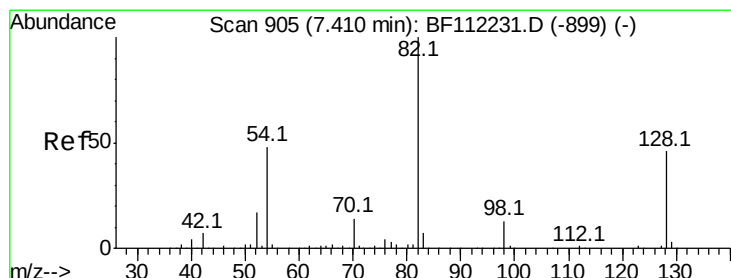
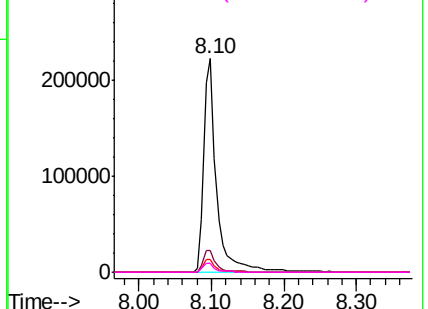


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.464 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.03 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

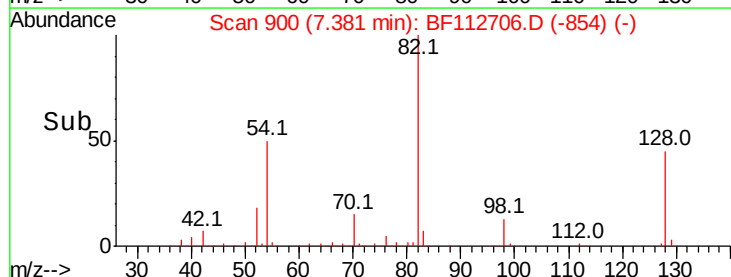
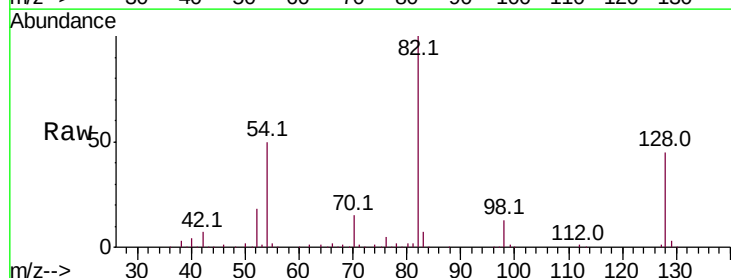
Tgt Ion: 82 Resp: 483184

Ion Ratio Lower Upper

82 100

128 44.5 37.8 56.8

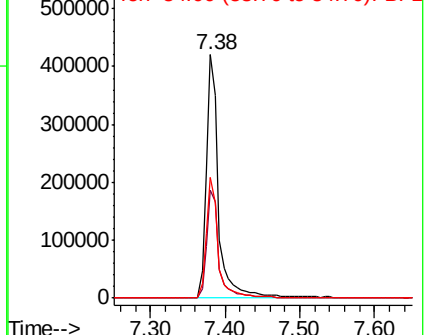
54 49.5 39.7 59.5

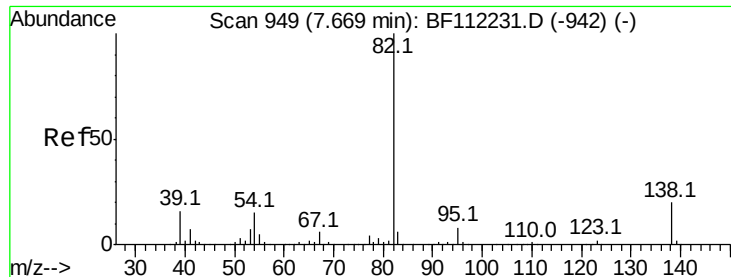


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 64.039 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

Instrument :

BNA_F

ClientSampled :

COMP-14RE

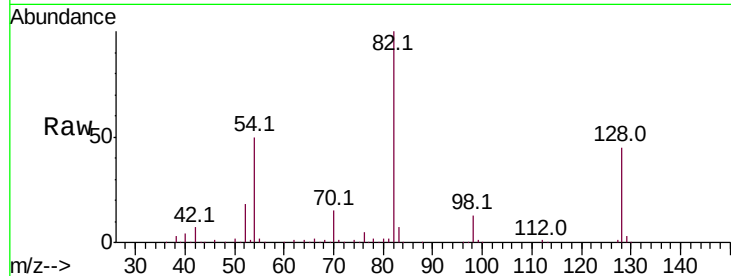
Tot Ion: 82 Resp: 483181

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

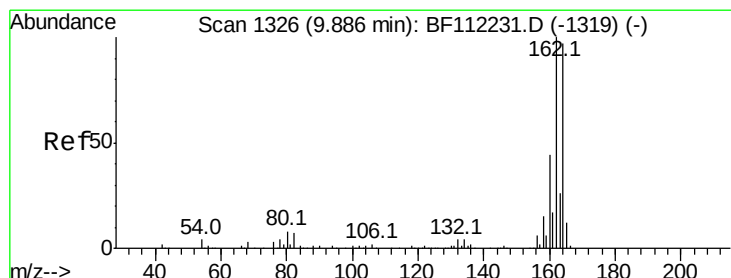
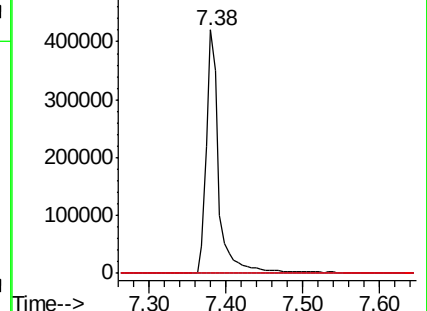
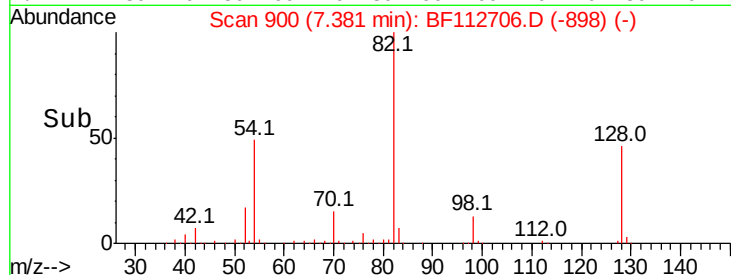
138 0.0 15.4 23.0#



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: 9.85 min Scan# 1319

Delta R.T. -0.04 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

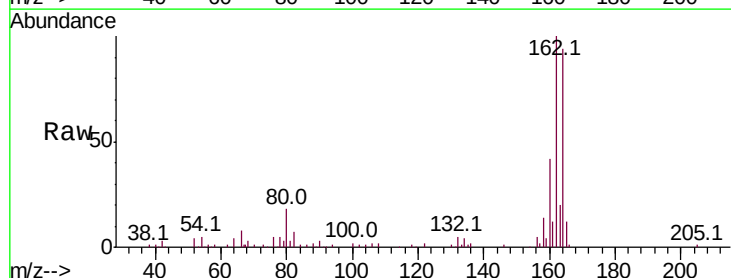
Tgt Ion:164 Resp: 114875

Ion Ratio Lower Upper

164 100

162 106.1 82.2 123.4

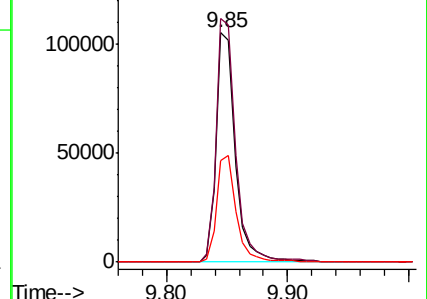
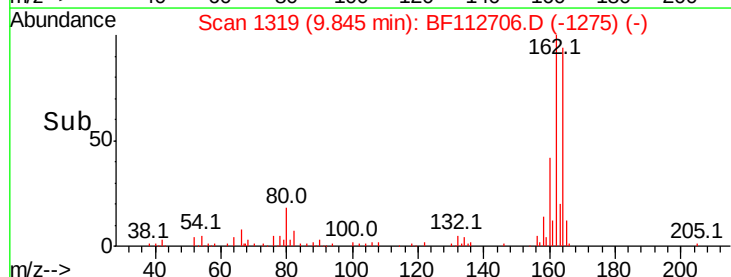
160 44.2 36.2 54.4

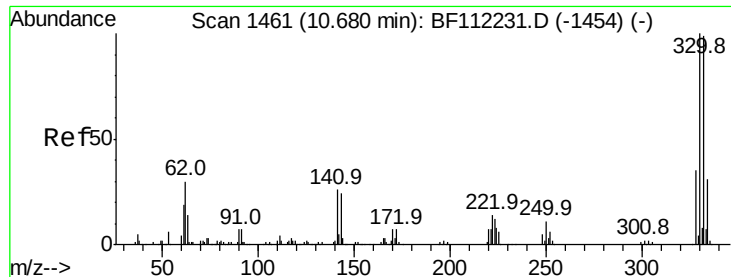


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 142.237 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.04 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

Instrument :

BNA_F

ClientSampleId :

COMP-14RE

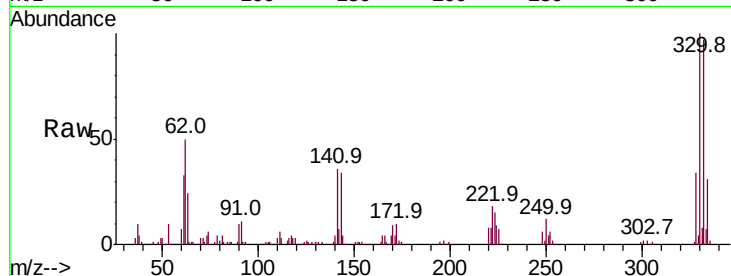
Tot Ion:330 Resp: 190187

Ion Ratio Lower Upper

330 100

332 95.7 76.6 114.8

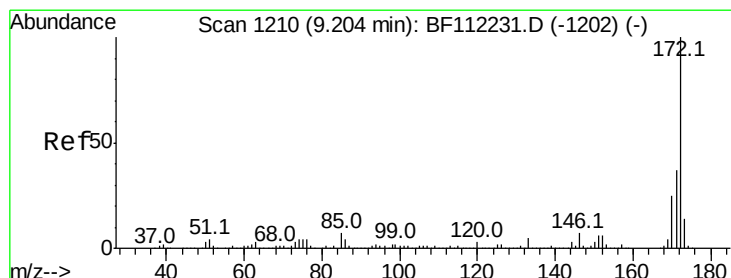
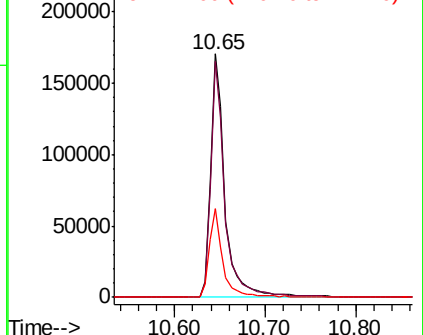
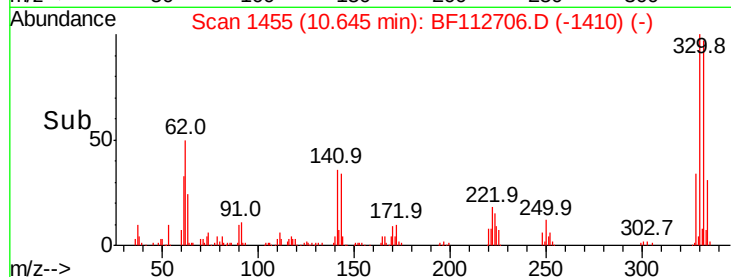
141 35.2 24.3 36.5



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: 108.921 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.04 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

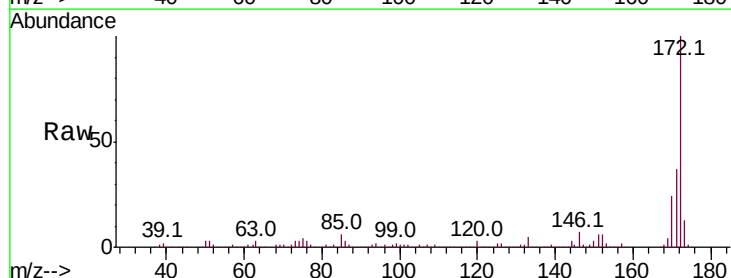
Tgt Ion:172 Resp: 884675

Ion Ratio Lower Upper

172 100

171 36.5 30.5 45.7

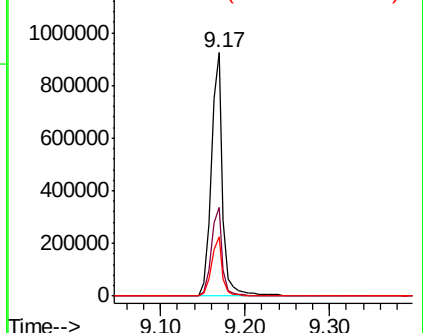
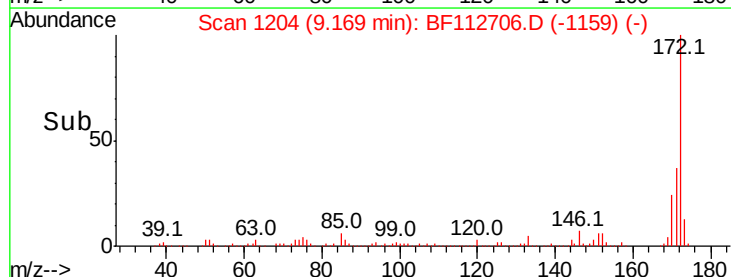
170 24.3 20.2 30.4

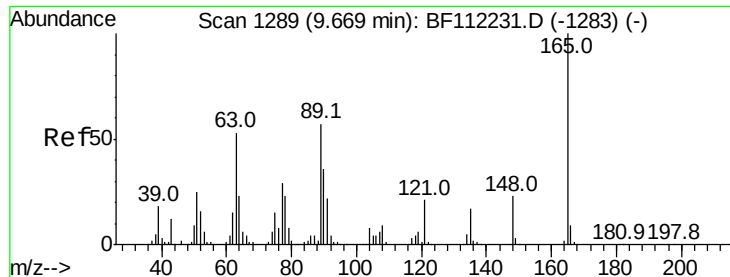


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.487 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.18 min

Lab File: BF112706.D

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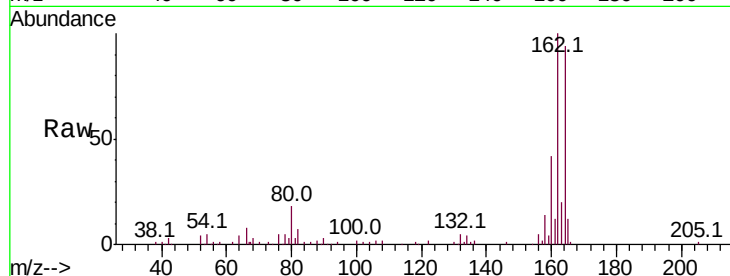
Tot Ion:165 Resp: 14966

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

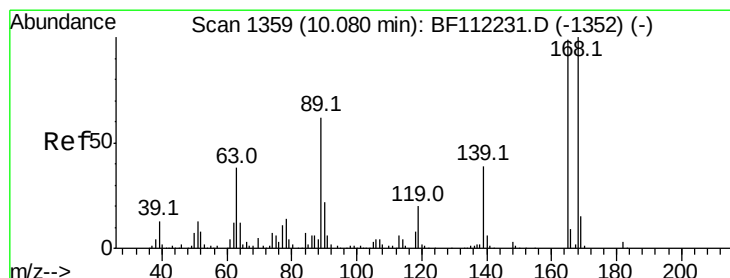
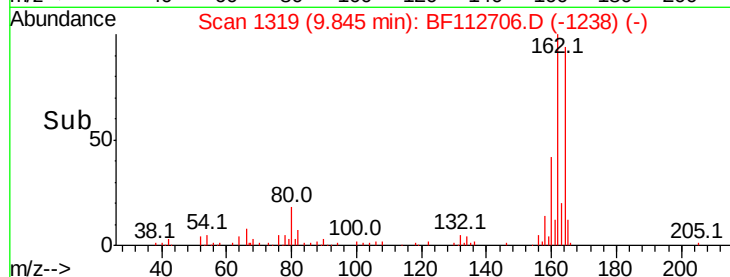
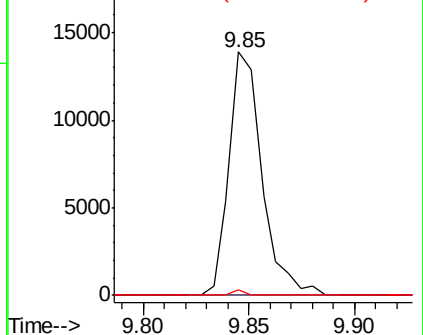
89 2.5 36.9 55.3#



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: 5.881 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.24 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

Tgt Ion:165 Resp: 14966

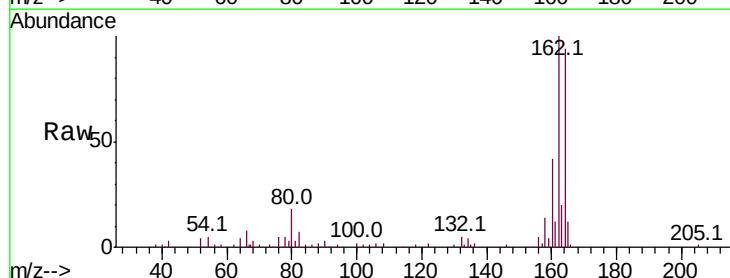
Ion Ratio Lower Upper

165 100

63 0.0 27.9 41.9#

89 2.5 47.9 71.9#

182 0.0 2.2 3.4#

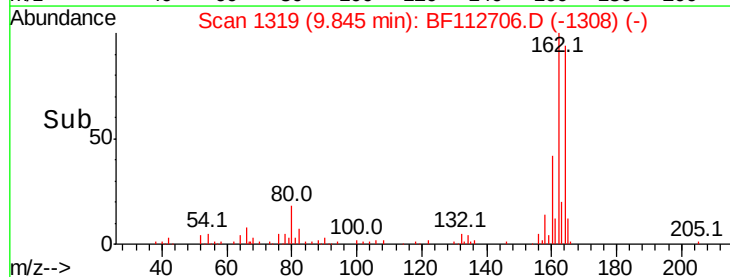
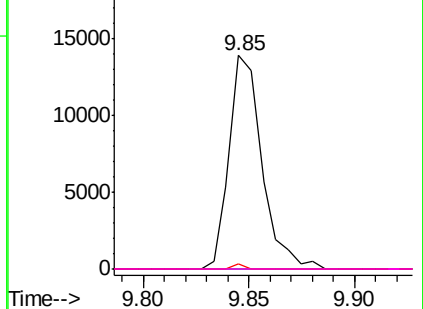


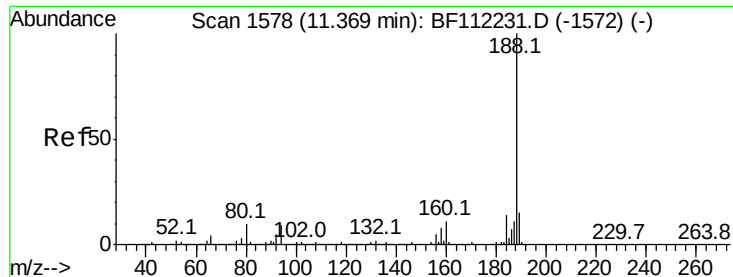
Abundance Ion 165.00 (164.70 to 165.70): E

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): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

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COMP-14RE

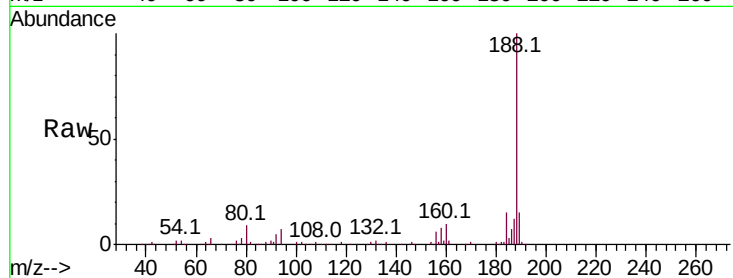
Tot Ion:188 Resp: 197877

Ion Ratio Lower Upper

188 100

94 7.4 8.2 12.2#

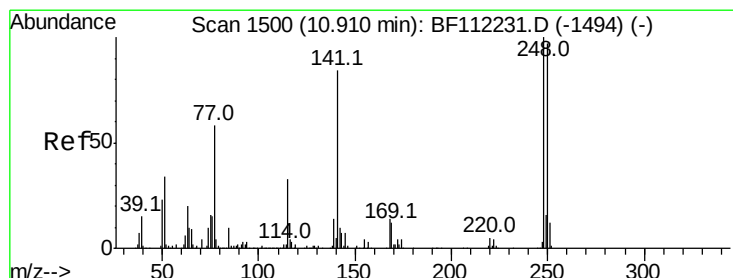
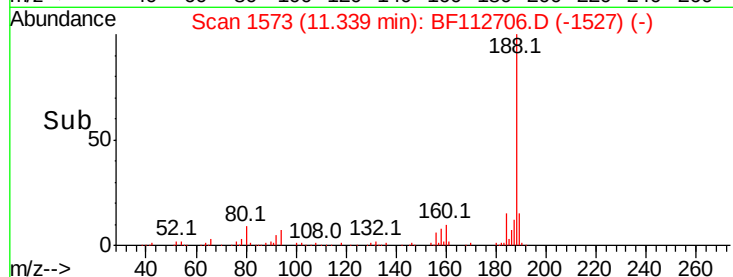
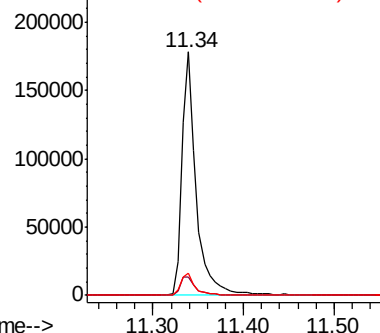
80 9.2 8.9 13.3



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: 4.823 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.26 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

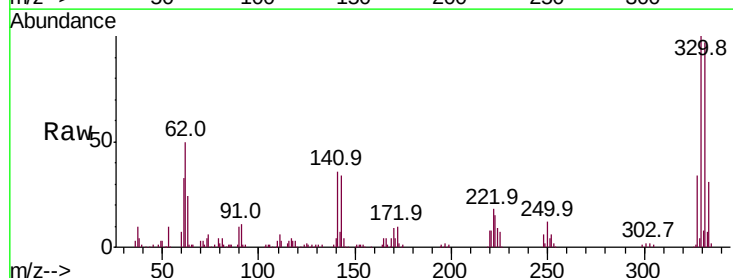
Tgt Ion:248 Resp: 11225

Ion Ratio Lower Upper

248 100

250 200.9 79.7 119.5#

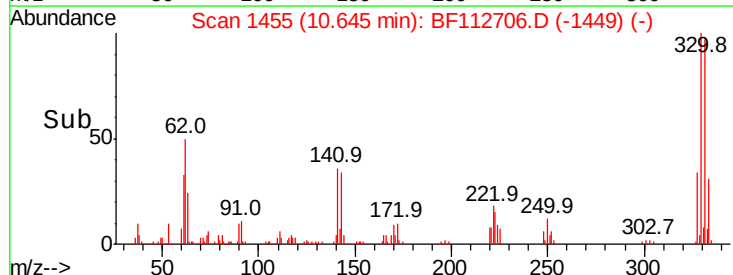
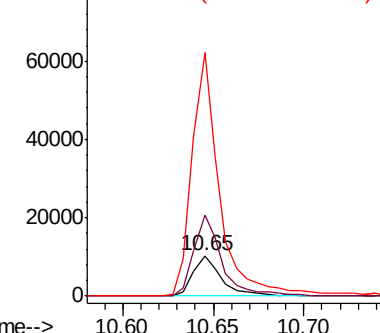
141 601.3 60.3 90.5#

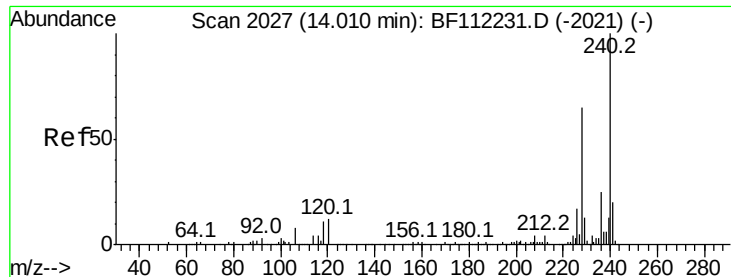


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2023

Delta R.T. -0.02 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

Instrument :

BNA_F

ClientSampleId :

COMP-14RE

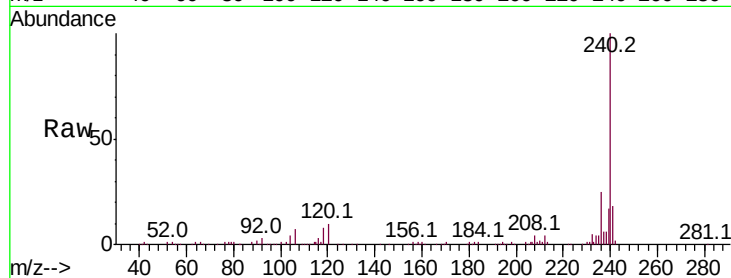
Tot Ion:240 Resp: 179549

Ion Ratio Lower Upper

240 100

120 9.7 9.0 13.6

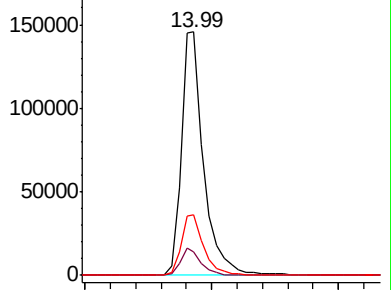
236 25.1 20.7 31.1



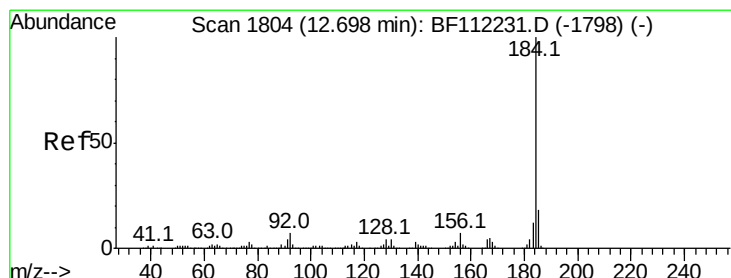
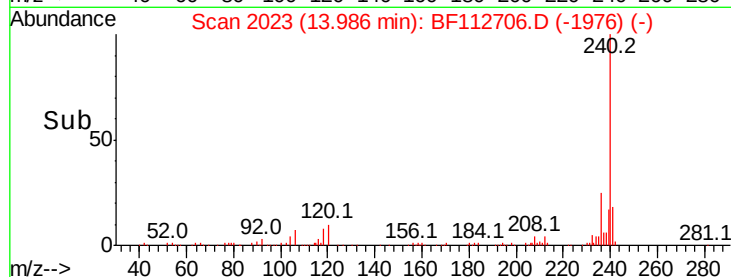
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.90 14.00 14.10



#77

Benzidine

Concen: 2.478 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.22 min

Lab File: BF112706.D

Acq: 25 Feb 2019 21:56

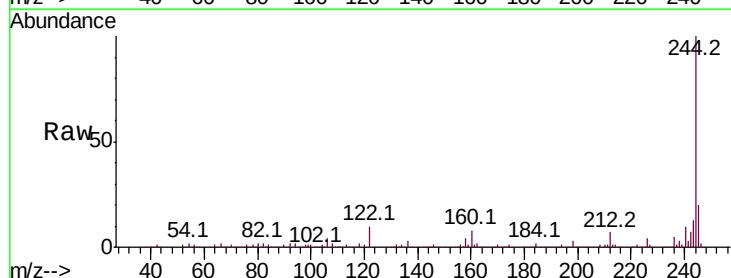
Tgt Ion:184 Resp: 12245

Ion Ratio Lower Upper

184 100

185 17.1 13.9 20.9

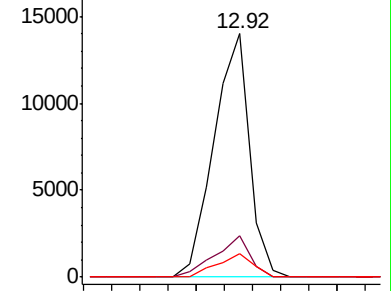
183 9.6 10.0 15.0#



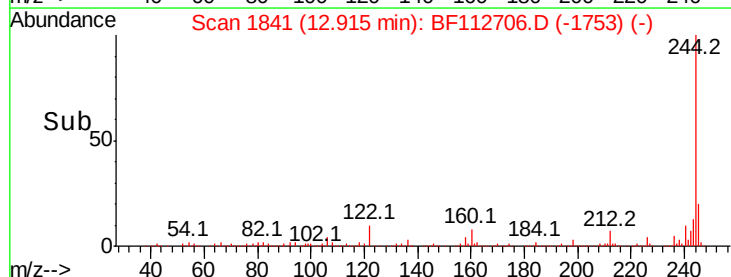
Abundance Ion 184.00 (183.70 to 184.70): E

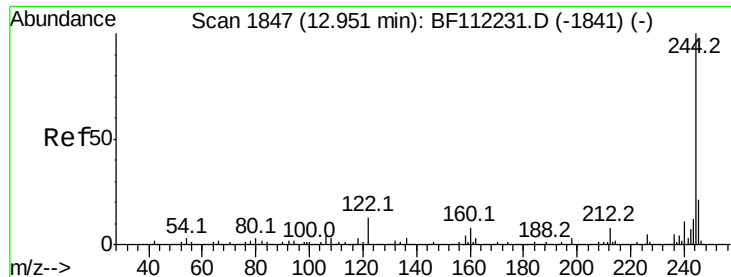
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 12.90 12.95

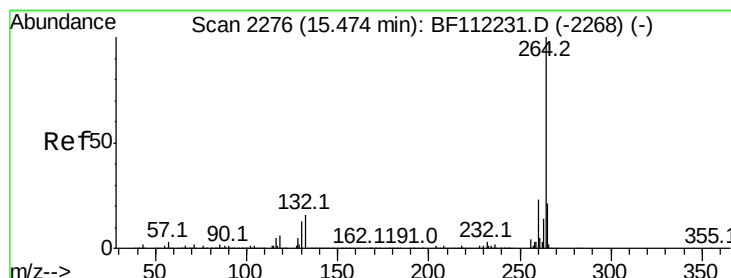
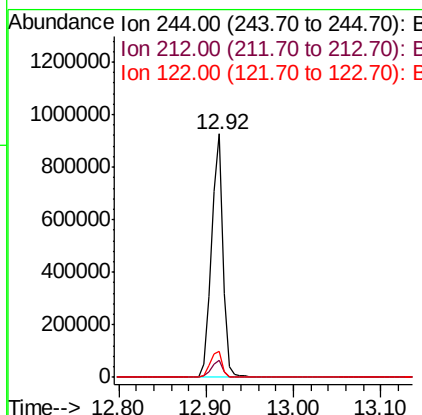
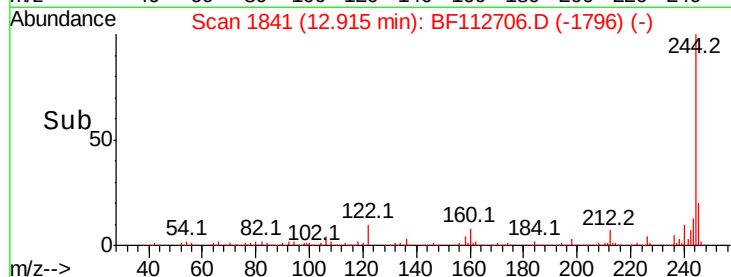
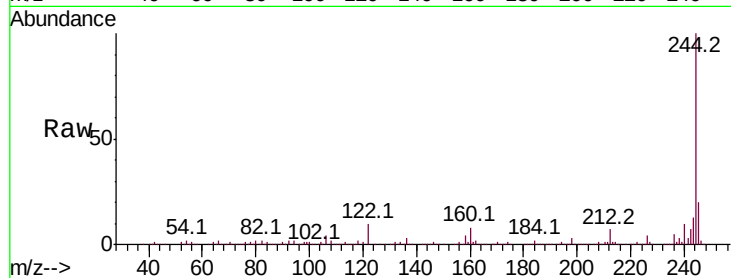




#79
 Terphenyl-d14
 Concen: 88.956 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: BF112706.D
 Acq: 25 Feb 2019 21:56

Instrument :
 BNA_F
 ClientSampleId :
 COMP-14RE

Tot Ion:244 Resp: 848014
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.5 9.8 14.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.02 min
 Lab File: BF112706.D
 Acq: 25 Feb 2019 21:56

Tgt Ion:264 Resp: 143666
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.2 27.2
 265 19.0 17.0 25.4

