

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF013019\
 Data File : BF112333.D
 Acq On : 30 Jan 2019 20:36
 Operator : JU/SJ
 Sample : K1282-20
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Jan 30 23:45:23 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

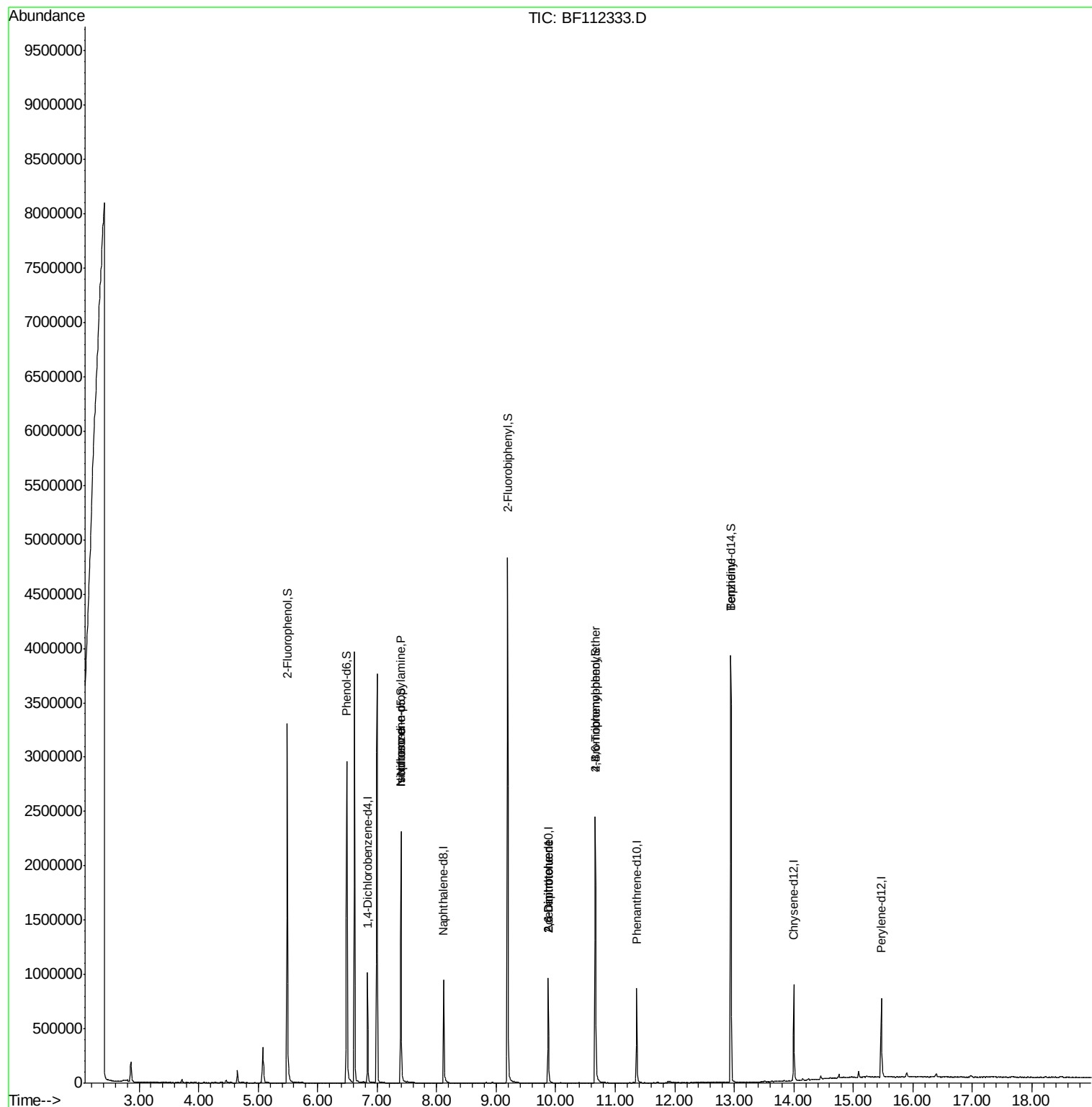
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	143900	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	508625	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	219453	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	368158	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	322778	20.00	ng	-0.01
87) Perylene-d12	15.47	264	355577	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1019221	150.44	ng	0.00
7) Phenol-d6	6.49	99	1144367	121.56	ng	0.00
23) Nitrobenzene-d5	7.40	82	841404	95.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	346629	135.70	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1622117	104.54	ng	-0.01
79) Terphenyl-d14	12.94	244	1395221	81.41	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	113310	17.456	ng	# 77
25) Isophorone	7.40	82	841393	60.759	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	27695	7.253	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	27695	5.697	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	20172	4.659	ng	# 1
77) Benzidine	12.94	184	17928	2.018	ng	97

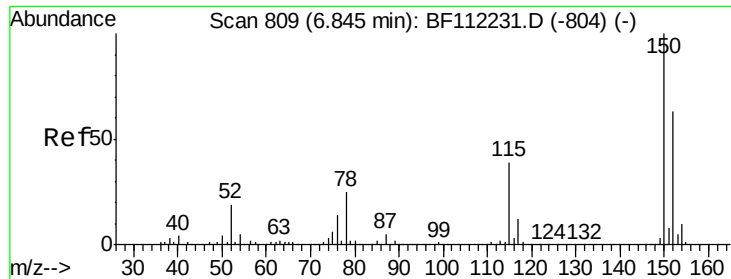
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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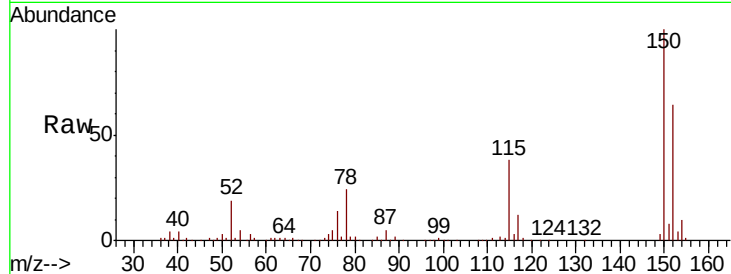


#1

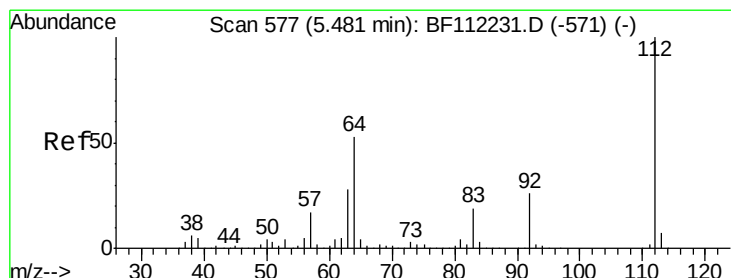
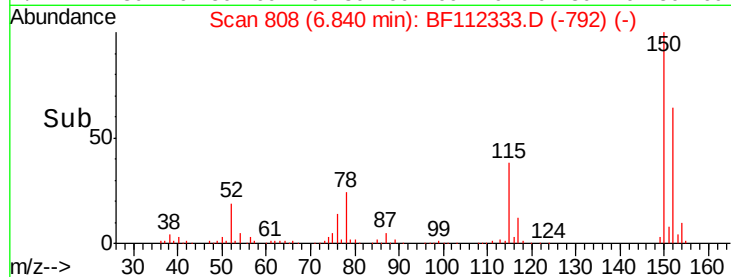
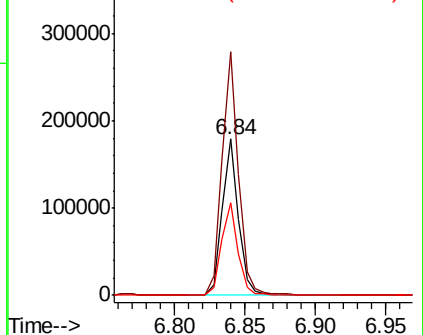
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112333.D
Acq: 30 Jan 2019 20:36

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:152 Resp: 143900
Ion Ratio Lower Upper
152 100
150 155.8 127.4 191.0
115 58.9 45.5 68.3



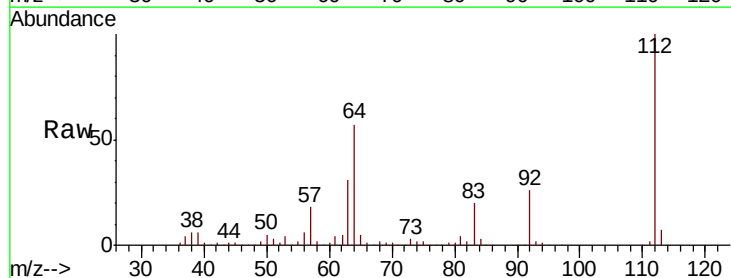
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



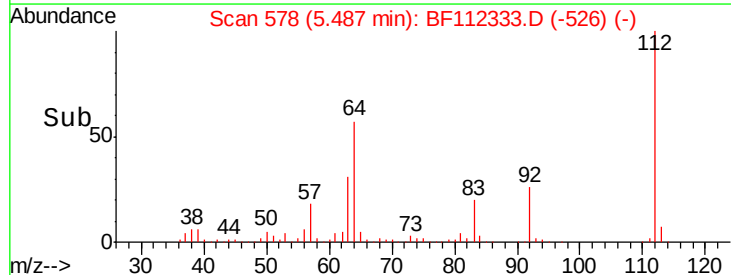
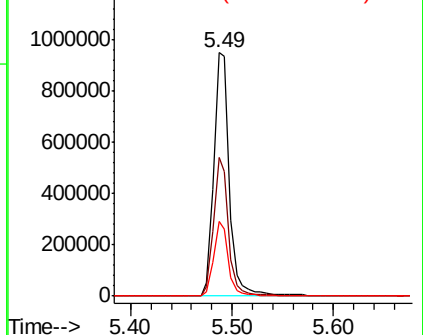
#5

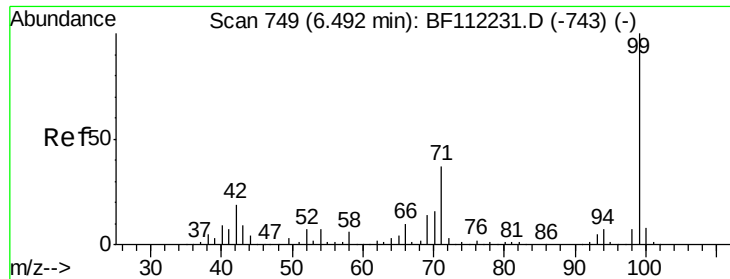
2-Fluorophenol
Concen: 150.444 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF112333.D
Acq: 30 Jan 2019 20:36

Tgt Ion:112 Resp: 1019221
Ion Ratio Lower Upper
112 100
64 57.2 45.7 68.5
63 30.8 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: 121.562 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112333.D

Acq: 30 Jan 2019 20:36

Instrument :

BNA_F

ClientSampleId :

TP-5

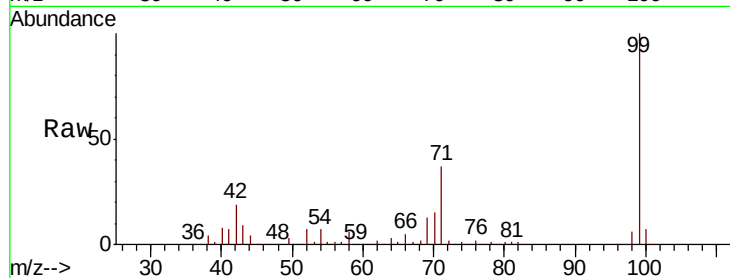
Tgt Ion: 99 Resp: 1144367

Ion Ratio Lower Upper

99 100

42 18.7 15.1 22.7

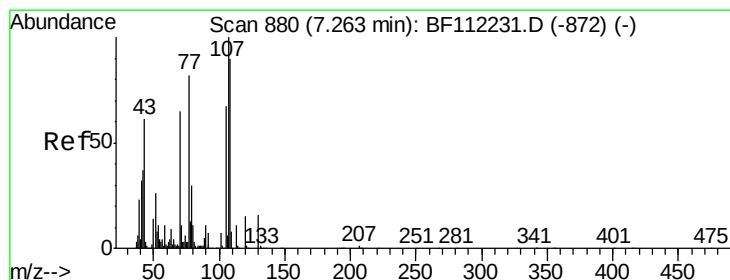
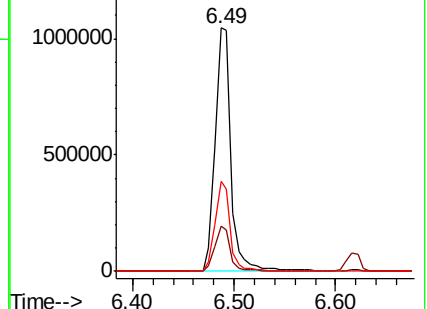
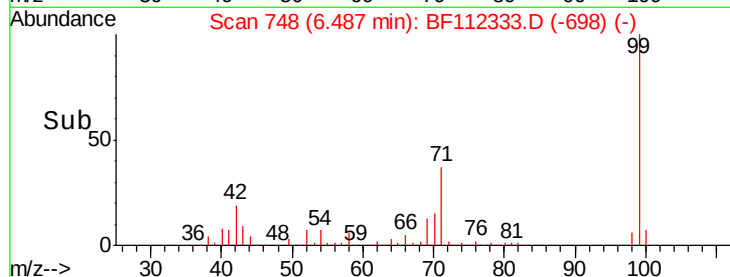
71 36.8 26.9 40.3



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: 17.456 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112333.D

Acq: 30 Jan 2019 20:36

Tgt Ion: 70 Resp: 113310

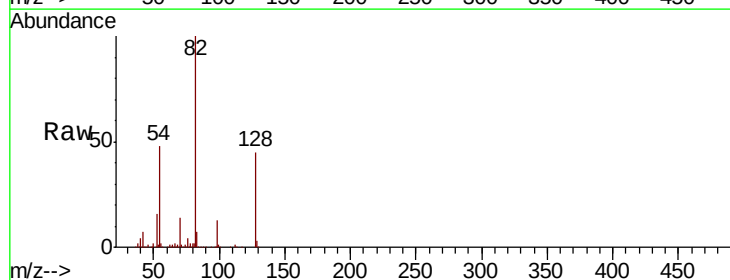
Ion Ratio Lower Upper

70 100

42 48.2 47.6 71.4

101 0.0 7.9 11.9#

130 2.4 18.4 27.6#

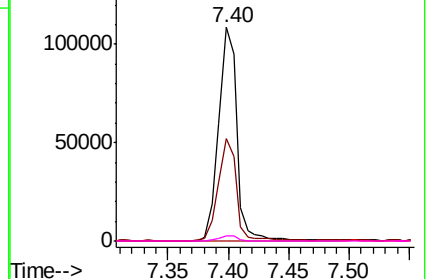
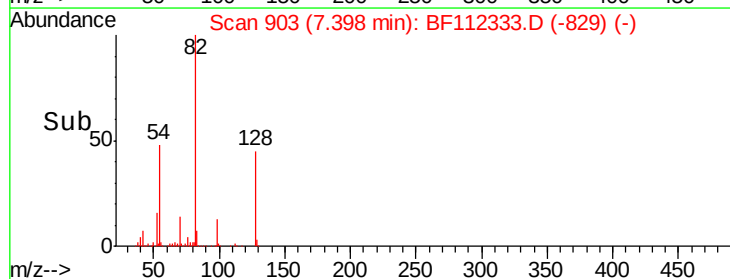


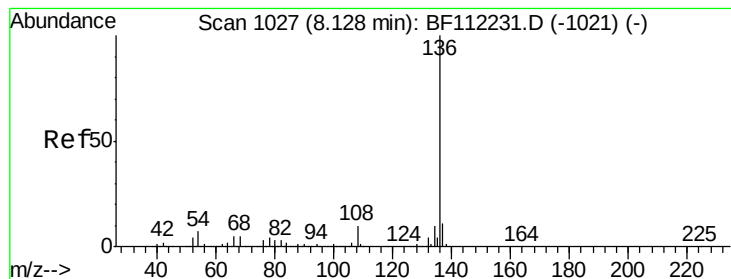
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112333.D

Acq: 30 Jan 2019 20:36

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion: 136 Resp: 508625

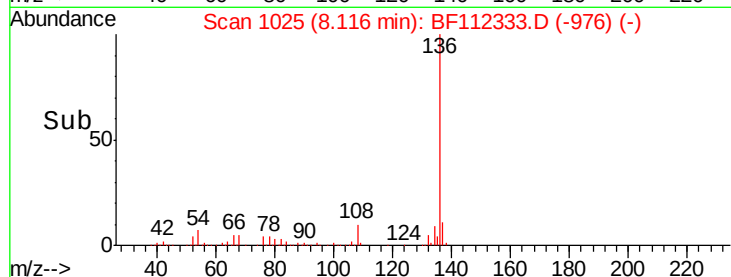
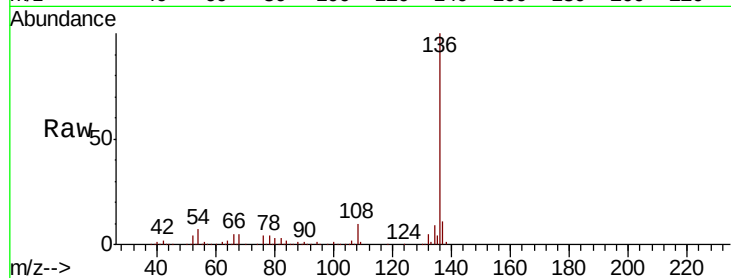
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 7.1 5.9 8.9

68 5.1 5.1 7.7#

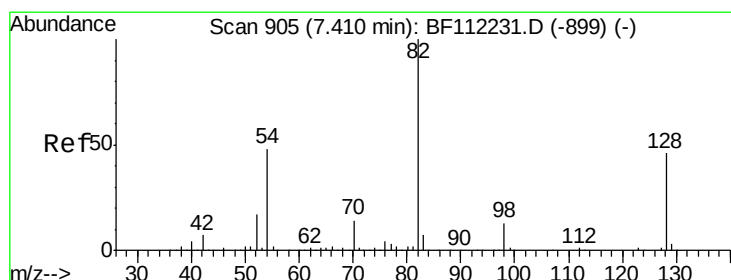
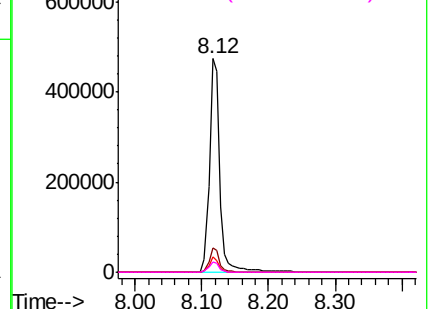


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.319 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112333.D

Acq: 30 Jan 2019 20:36

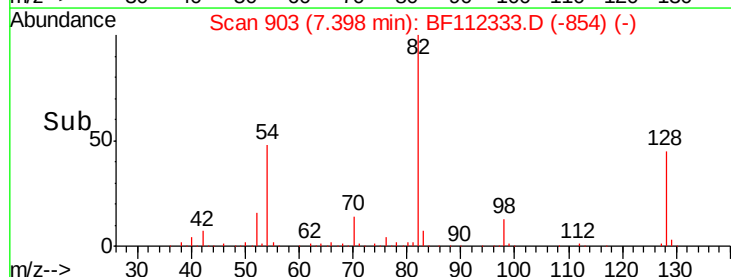
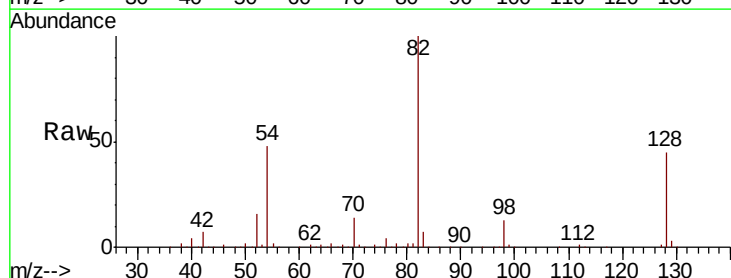
Tgt Ion: 82 Resp: 841404

Ion Ratio Lower Upper

82 100

128 44.9 37.8 56.8

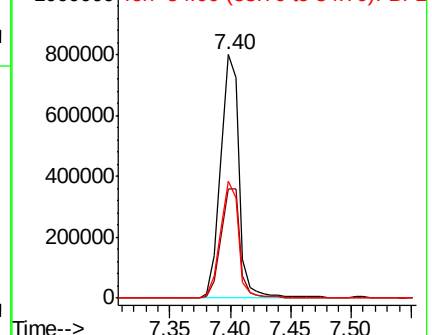
54 47.9 39.7 59.5

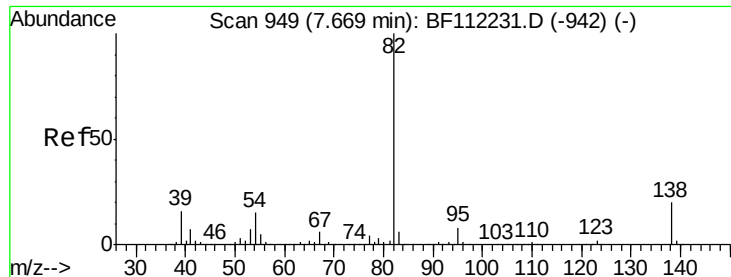


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 60.759 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112333.D

Acq: 30 Jan 2019 20:36

Instrument :

BNA_F

ClientSampled :

TP-5

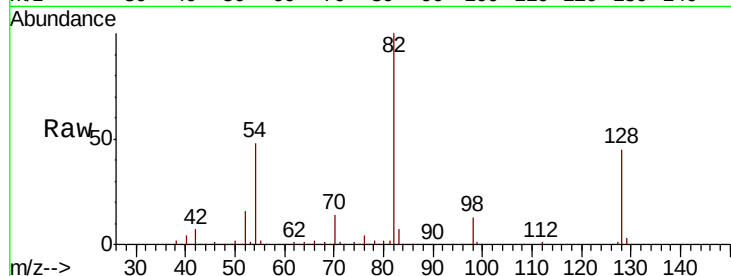
Tgt Ion: 82 Resp: 841393

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

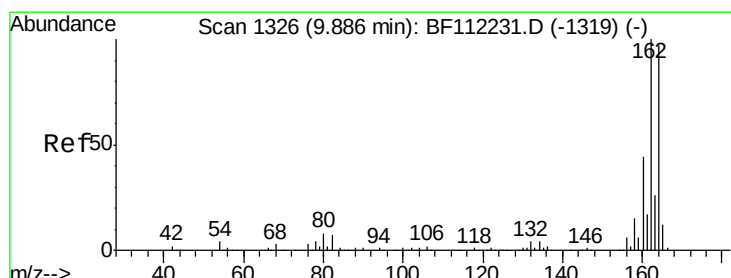
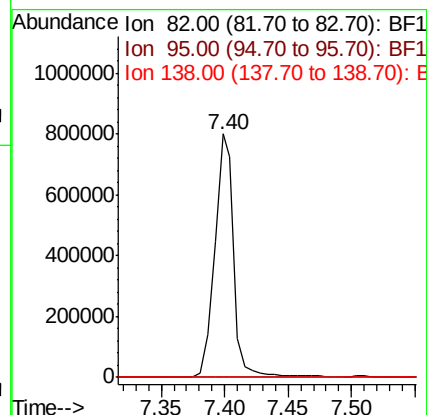
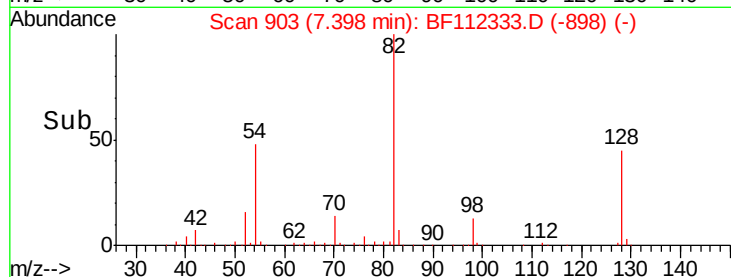
138 0.0 15.4 23.0#



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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112333.D

Acq: 30 Jan 2019 20:36

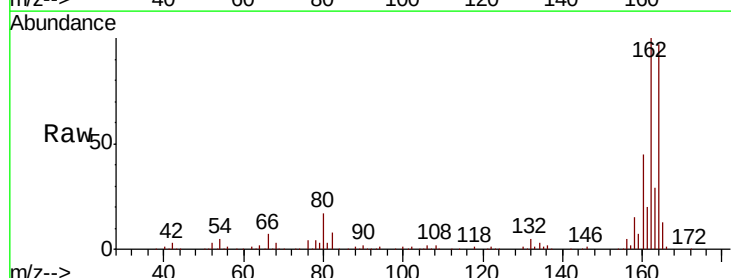
Tgt Ion: 164 Resp: 219453

Ion Ratio Lower Upper

164 100

162 103.5 82.2 123.4

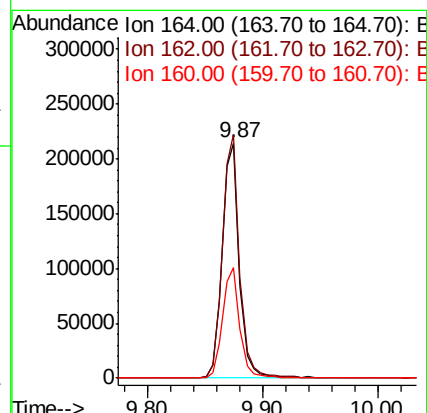
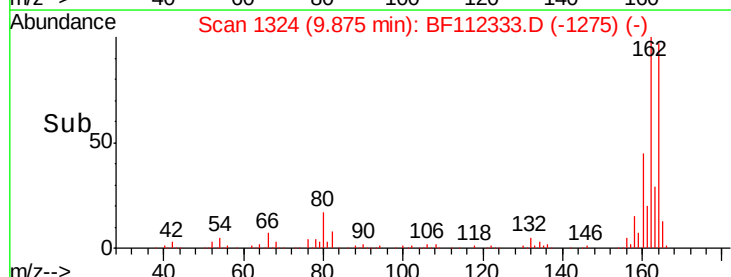
160 47.0 36.2 54.4

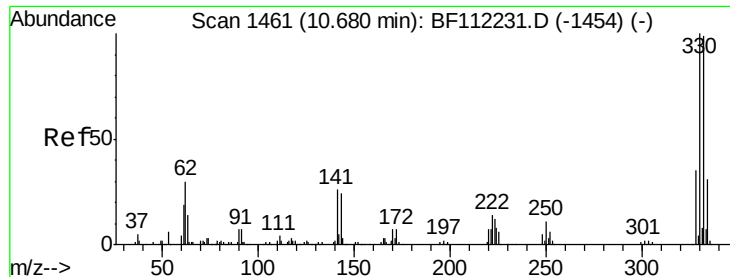


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 135.700 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112333.D

Acq: 30 Jan 2019 20:36

Instrument :

BNA_F

ClientSampleId :

TP-5

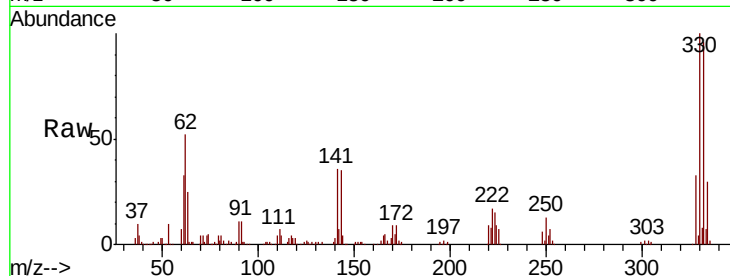
Tgt Ion:330 Resp: 346629

Ion Ratio Lower Upper

330 100

332 94.9 76.6 114.8

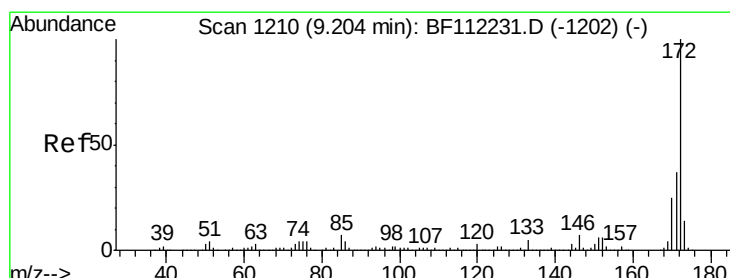
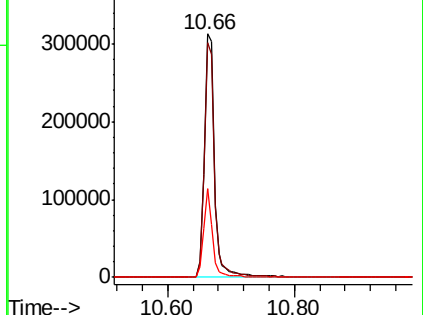
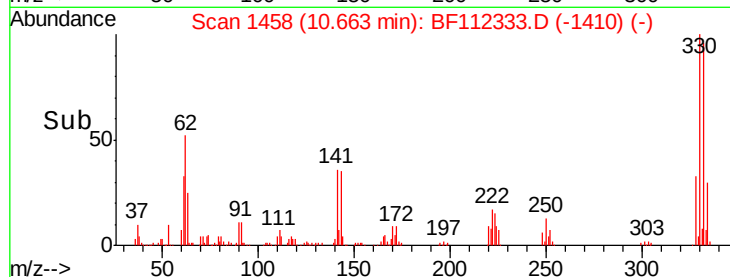
141 31.8 24.3 36.5



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: 104.543 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112333.D

Acq: 30 Jan 2019 20:36

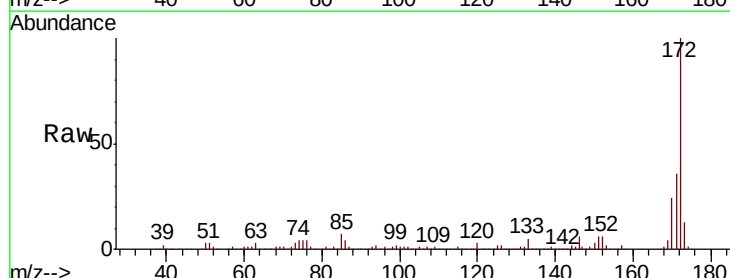
Tgt Ion:172 Resp: 1622117

Ion Ratio Lower Upper

172 100

171 36.2 30.5 45.7

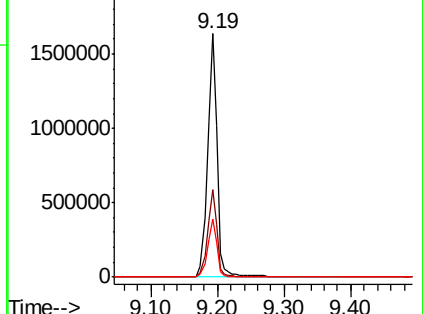
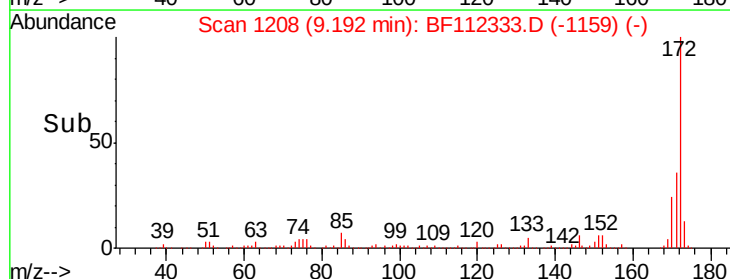
170 23.7 20.2 30.4

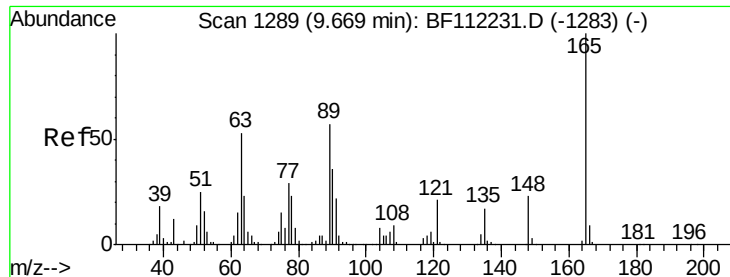


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.253 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF112333.D

Acq: 30 Jan 2019 20:36

Instrument :

BNA_F

ClientSampleId :

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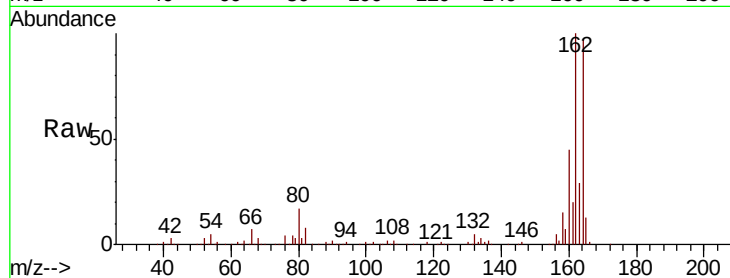
Tgt Ion:165 Resp: 27695

Ion Ratio Lower Upper

165 100

63 1.6 33.8 50.8#

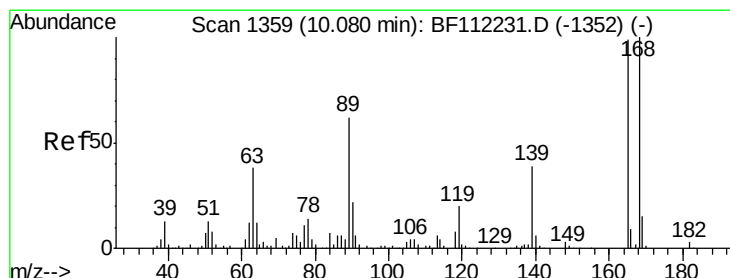
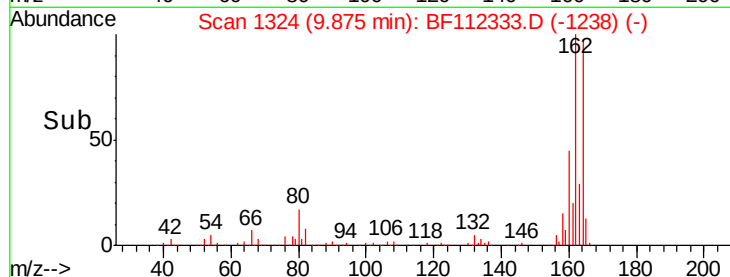
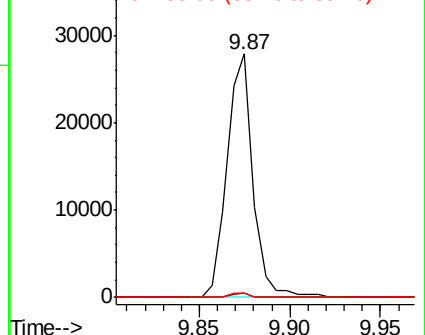
89 1.8 36.9 55.3#



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: 5.697 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF112333.D

Acq: 30 Jan 2019 20:36

Tgt Ion:165 Resp: 27695

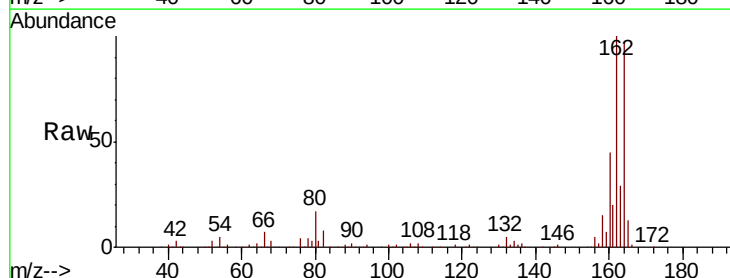
Ion Ratio Lower Upper

165 100

63 1.6 27.9 41.9#

89 1.8 47.9 71.9#

182 0.0 2.2 3.4#

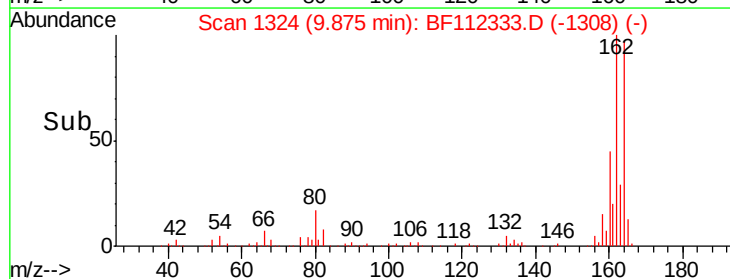
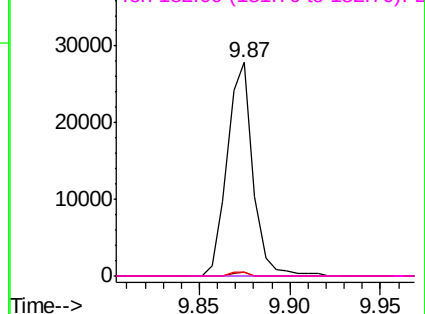


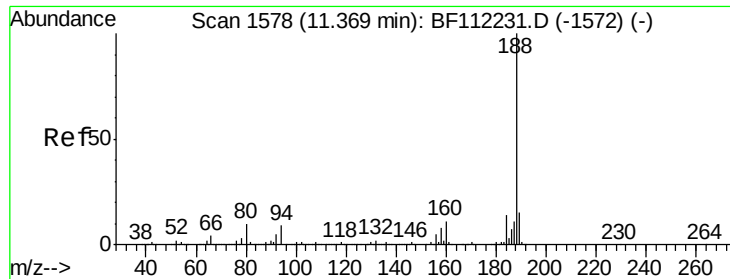
Abundance Ion 165.00 (164.70 to 165.70): E

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

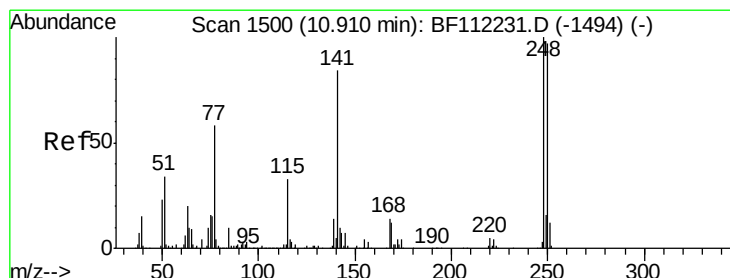
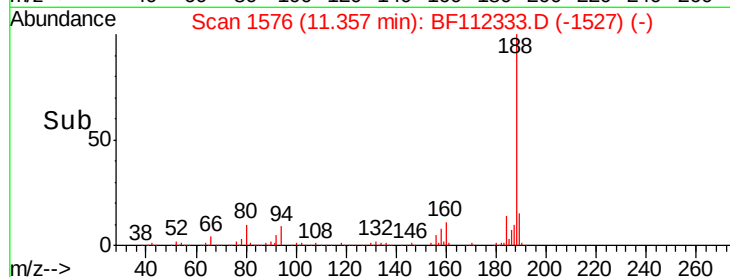
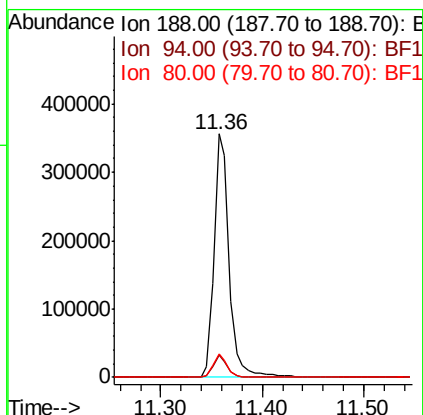
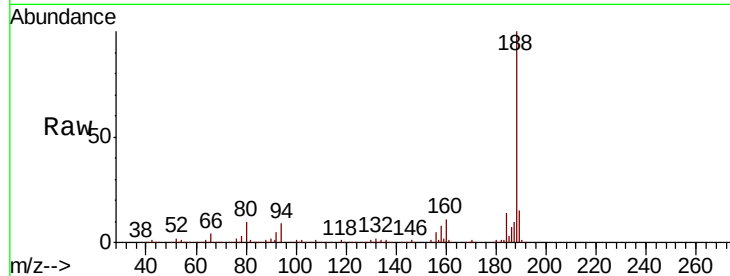




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112333.D
Acq: 30 Jan 2019 20:36

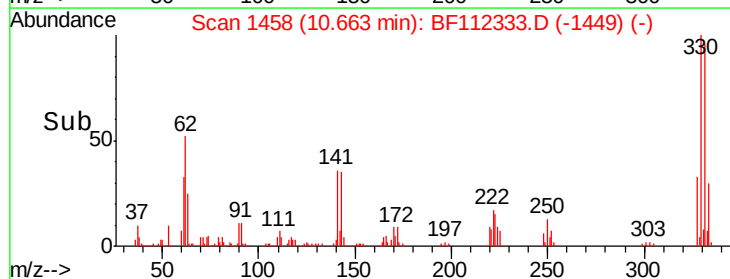
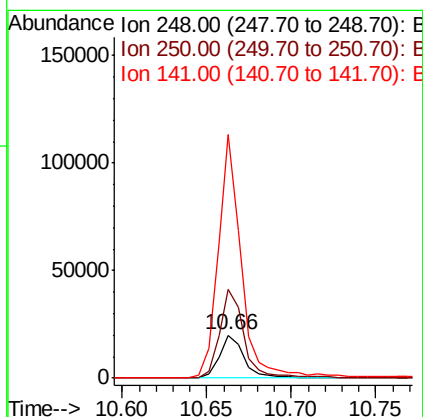
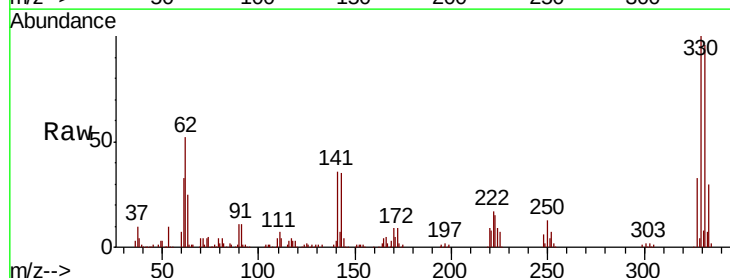
Instrument :
BNA_F
ClientSampleId :
TP-5

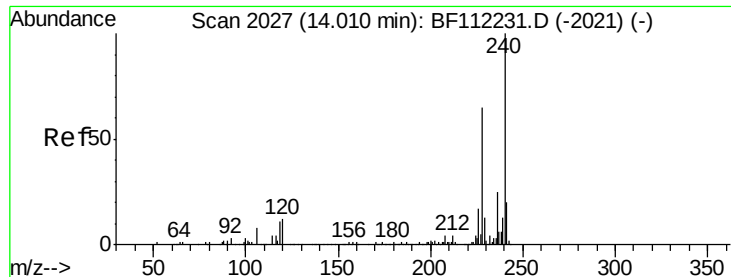
Tgt Ion:188 Resp: 368158
Ion Ratio Lower Upper
188 100
94 9.2 8.2 12.2
80 9.8 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 4.659 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112333.D
Acq: 30 Jan 2019 20:36

Tgt Ion:248 Resp: 20172
Ion Ratio Lower Upper
248 100
250 206.9 79.7 119.5#
141 569.0 60.3 90.5#

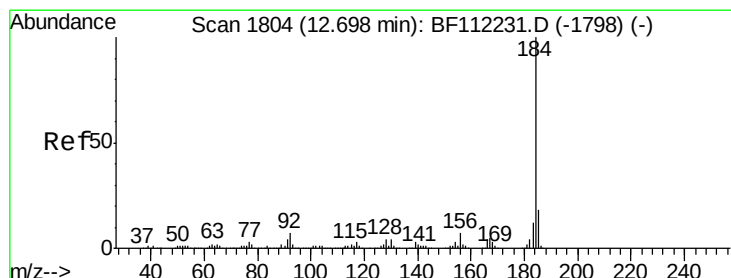
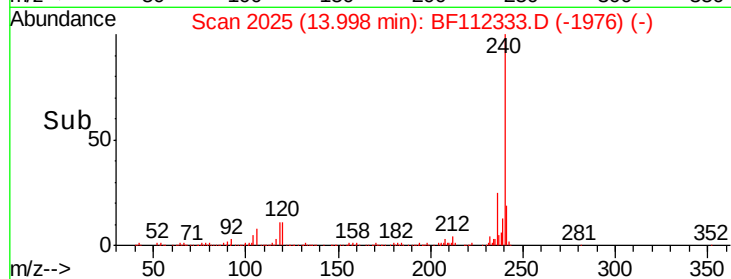
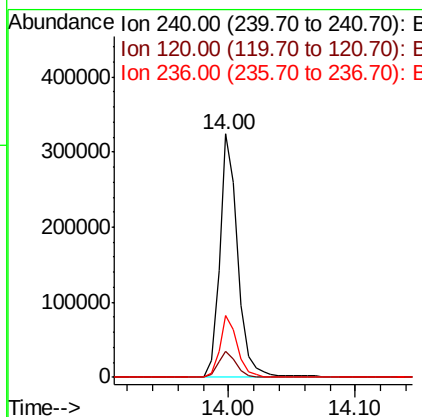
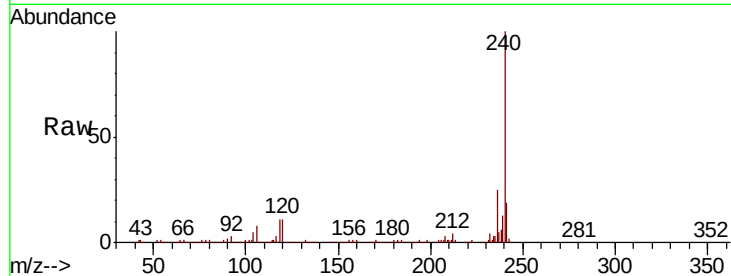




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF112333.D
 Acq: 30 Jan 2019 20:36

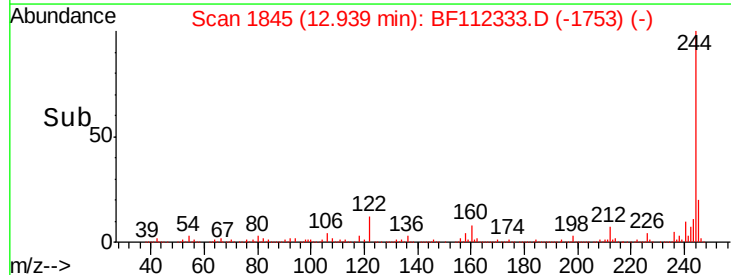
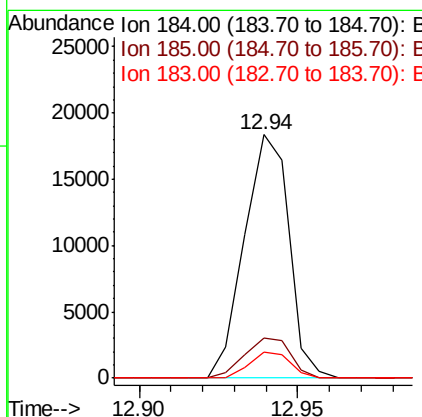
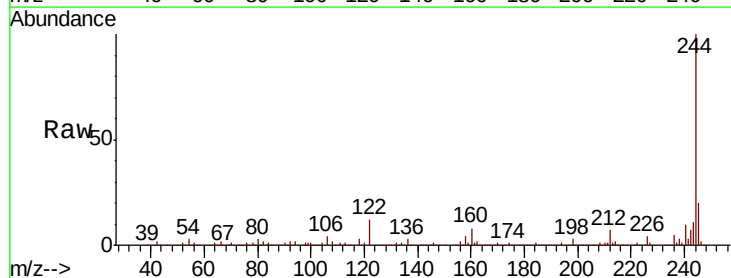
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

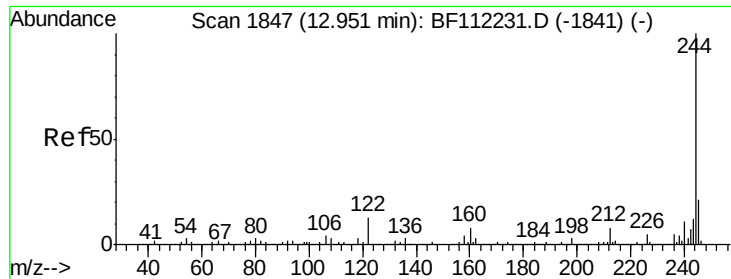
Tgt Ion: 240 Resp: 322778
 Ion Ratio Lower Upper
 240 100
 120 10.8 9.0 13.6
 236 25.4 20.7 31.1



#77
 Benzidine
 Concen: 2.018 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.24 min
 Lab File: BF112333.D
 Acq: 30 Jan 2019 20:36

Tgt Ion: 184 Resp: 17928
 Ion Ratio Lower Upper
 184 100
 185 16.7 13.9 20.9
 183 10.8 10.0 15.0





#79

Terphenyl-d14

Concen: 81.413 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112333.D

Acq: 30 Jan 2019 20:36

Instrument :

BNA_F

ClientSampleId :

TP-5

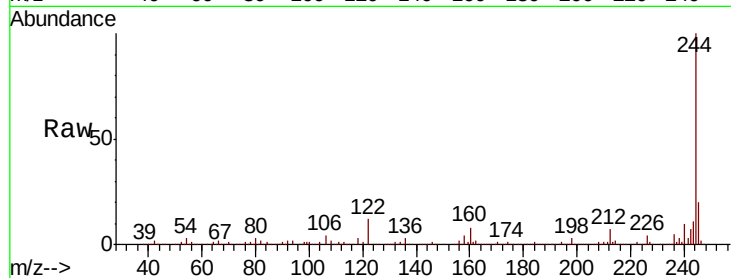
Tgt Ion:244 Resp: 1395221

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

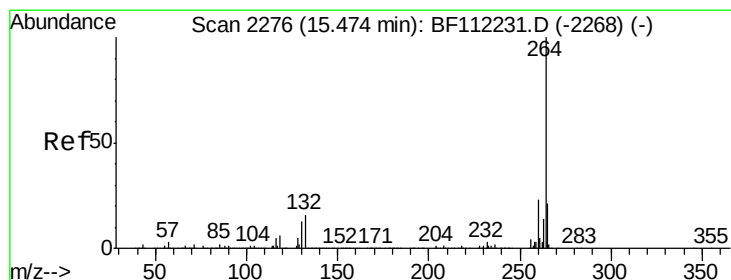
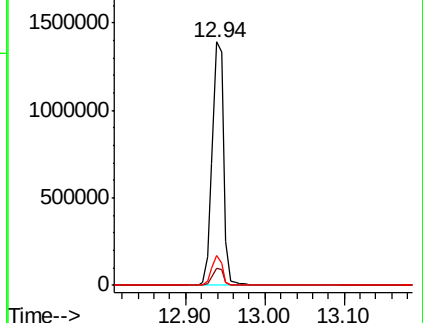
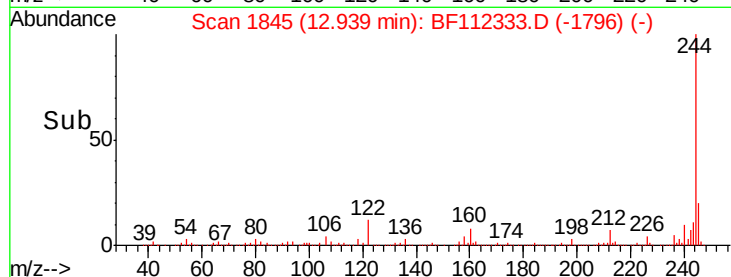
122 12.4 9.8 14.6



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: BF112333.D

Acq: 30 Jan 2019 20:36

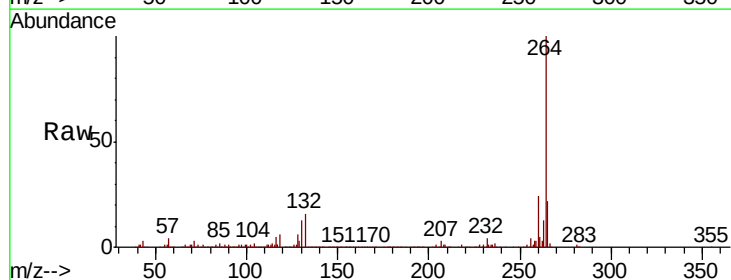
Tgt Ion:264 Resp: 355577

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.2

265 22.4 17.0 25.4



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

