

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
 Data File : BF112703.D
 Acq On : 25 Feb 2019 20:08
 Operator : JU/SJ
 Sample : K1595-06RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-E-WALL-GRADE-BEAMRE

Quant Time: Feb 26 00:08:27 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

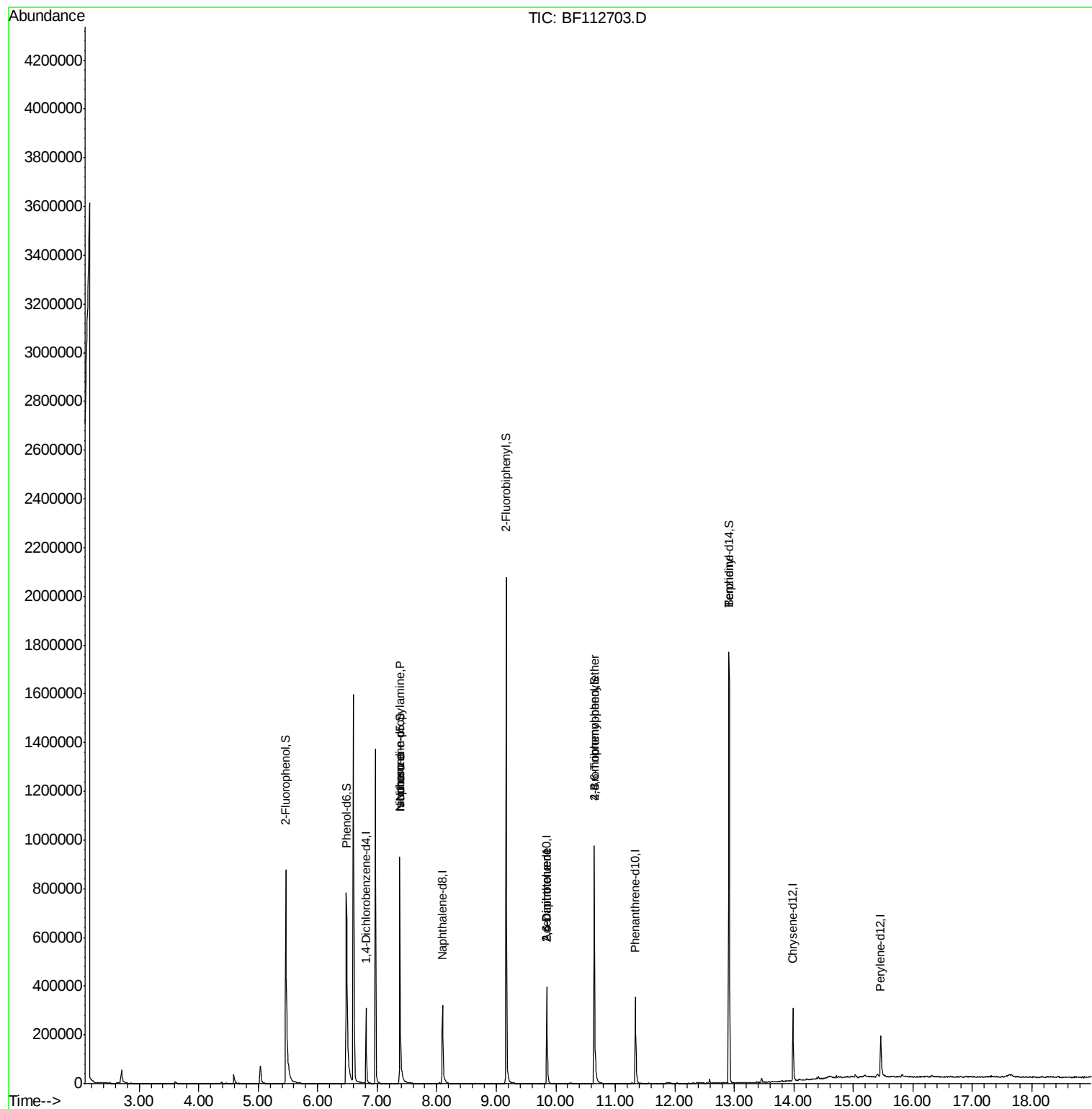
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	51214	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	198351	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	92077	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	157295	20.00	ng	-0.03
76) Chrysene-d12	13.99	240	124373	20.00	ng	-0.02
87) Perylene-d12	15.46	264	94767	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	379111	157.23	ng	-0.02
7) Phenol-d6	6.48	99	419807	125.30	ng	-0.01
23) Nitrobenzene-d5	7.38	82	335509	97.46	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	140505	131.10	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	655951	100.76	ng	-0.04
79) Terphenyl-d14	12.91	244	617343	93.49	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	45924	19.878	ng	# 75
25) Isophorone	7.38	82	335509	62.127	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	11136	6.950	ng	# 32
57) 2,4-Dinitrotoluene	9.85	165	11136	5.460	ng	# 30
67) 4-Bromophenyl-phenylether	10.65	248	8364	4.521	ng	# 1
77) Benzidine	12.91	184	8641	2.524	ng	# 96

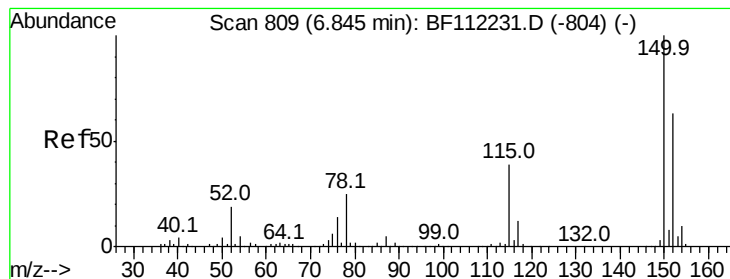
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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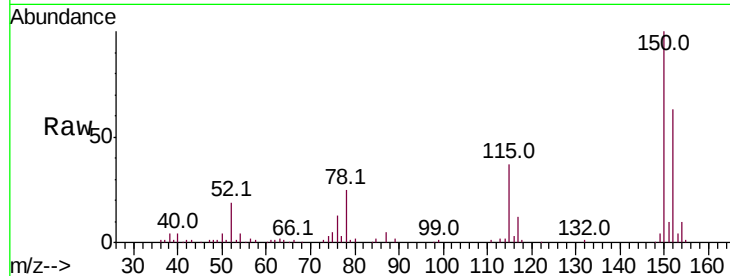


#1

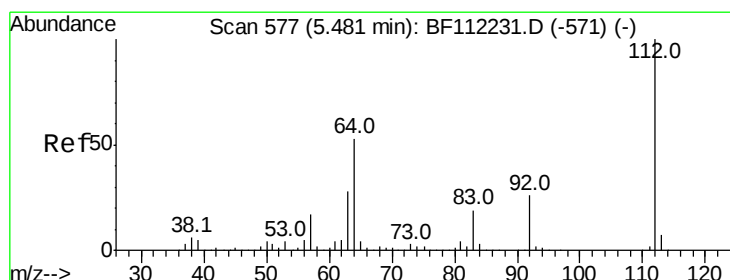
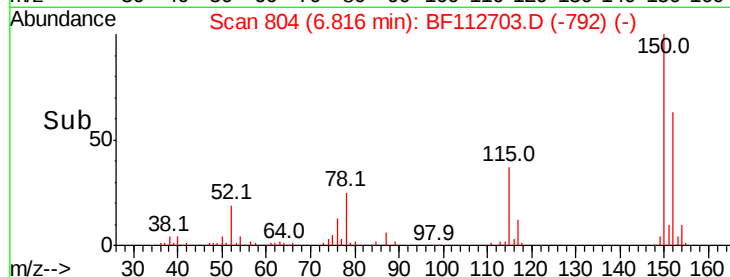
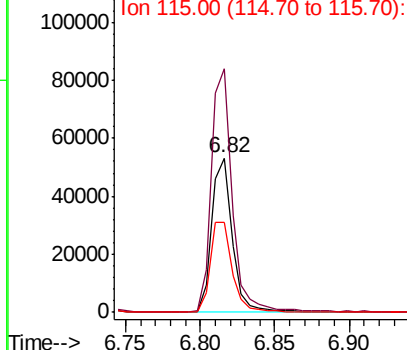
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF112703.D
 Acq: 25 Feb 2019 20:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-E-WALL-GRADE-BEAMRE

Tot Ion:152 Resp: 51214
 Ion Ratio Lower Upper
 152 100
 150 157.8 127.4 191.0
 115 58.6 45.5 68.3



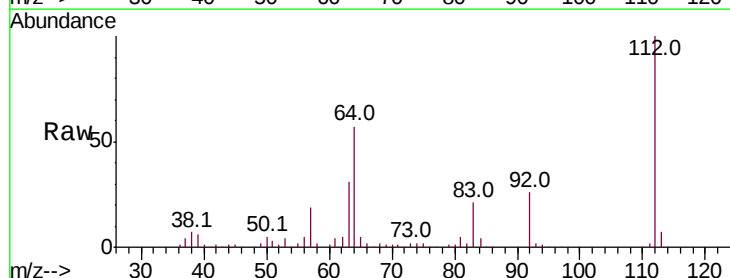
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



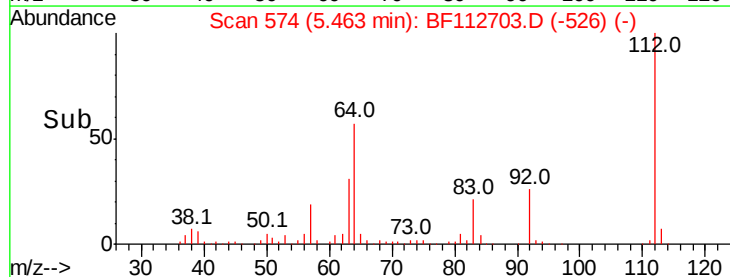
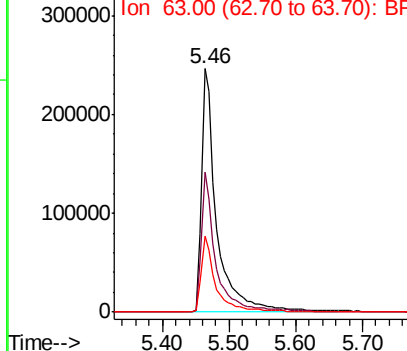
#5

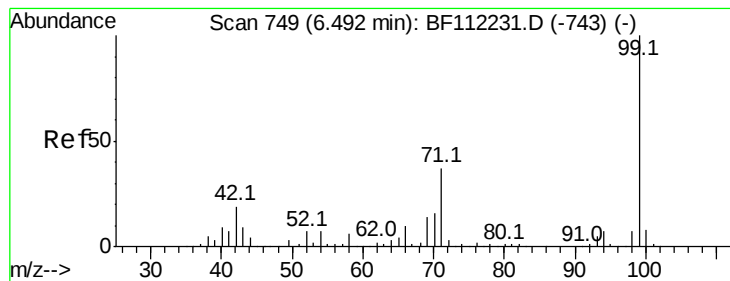
2-Fluorophenol
 Concen: 157.234 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.02 min
 Lab File: BF112703.D
 Acq: 25 Feb 2019 20:08

Tgt Ion:112 Resp: 379111
 Ion Ratio Lower Upper
 112 100
 64 57.5 45.7 68.5
 63 31.1 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: 125.301 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112703.D

Acq: 25 Feb 2019 20:08

Instrument :

BNA_F

ClientSampleId :

TP-E-WALL-GRADE-BEAMRE

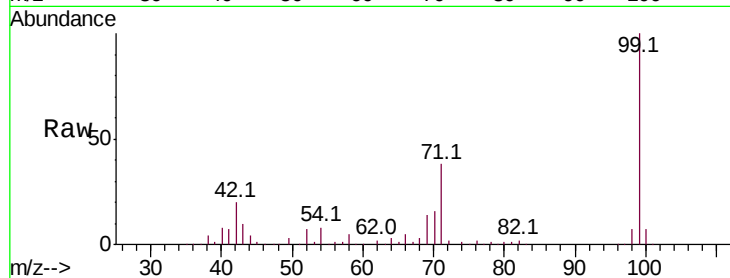
Tot Ion: 99 Resp: 419807

Ion Ratio Lower Upper

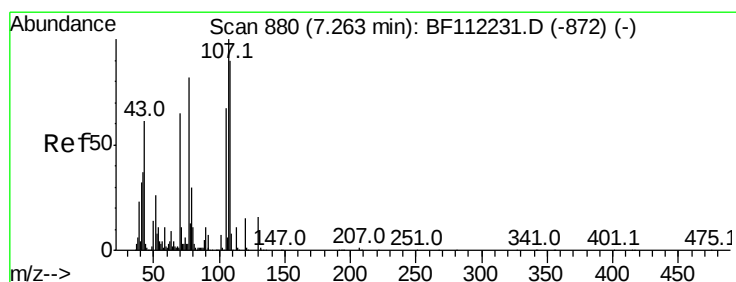
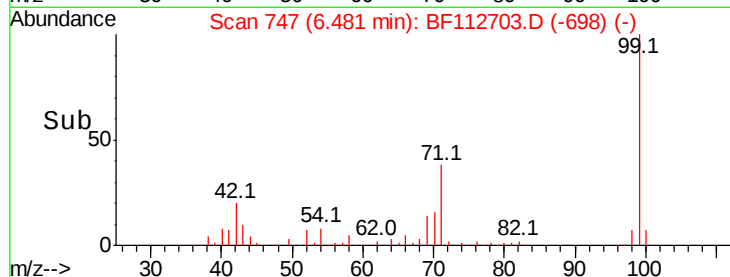
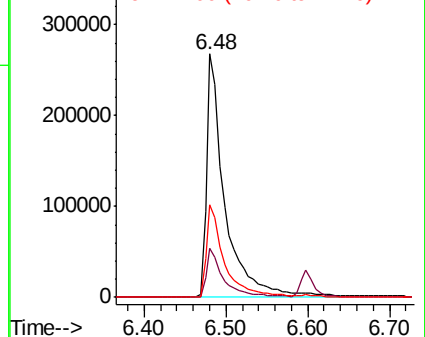
99 100

42 20.3 15.1 22.7

71 38.3 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: 19.878 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.12 min

Lab File: BF112703.D

Acq: 25 Feb 2019 20:08

Tgt Ion: 70 Resp: 45924

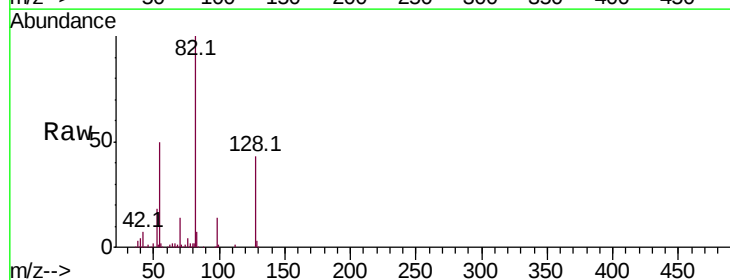
Ion Ratio Lower Upper

70 100

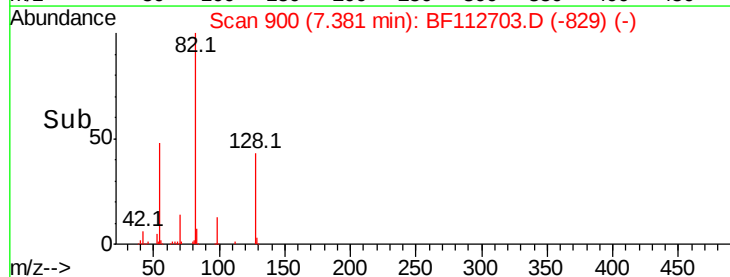
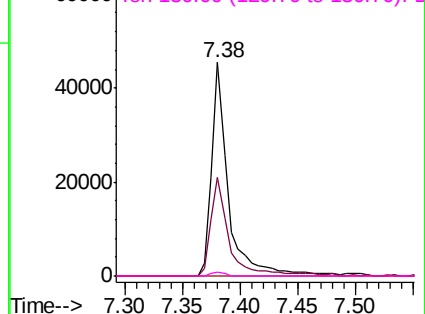
42 46.1 47.6 71.4#

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# 1022

Delta R.T. -0.03 min

Lab File: BF112703.D

Acq: 25 Feb 2019 20:08

Instrument :

BNA_F

ClientSampleId :

TP-E-WALL-GRADE-BEAMRE

Tot Ion:136 Resp: 198351

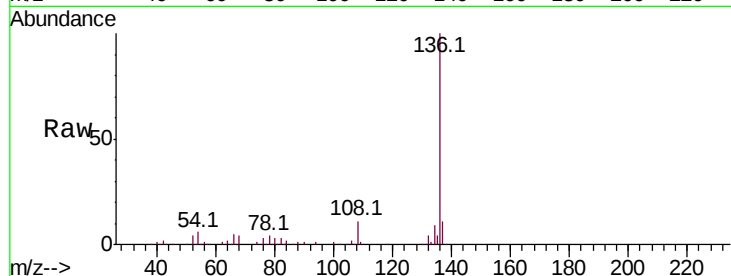
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.9 5.9 8.9#

68 4.2 5.1 7.7#

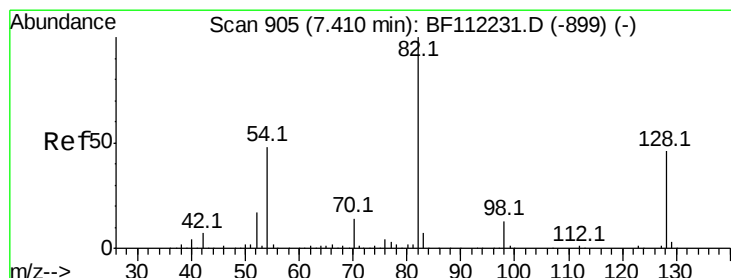
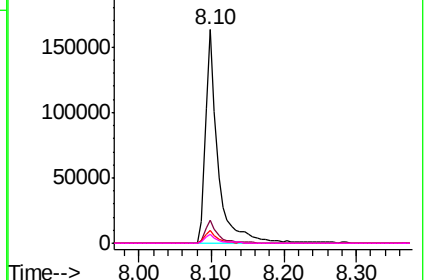
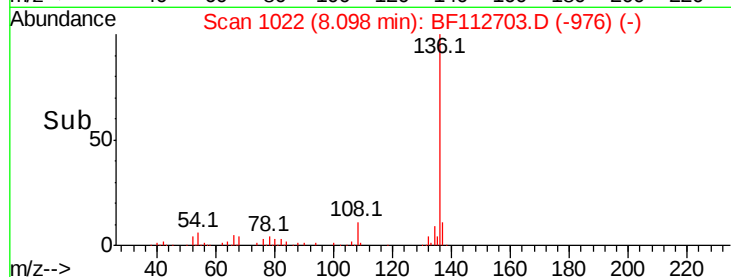


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.463 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.03 min

Lab File: BF112703.D

Acq: 25 Feb 2019 20:08

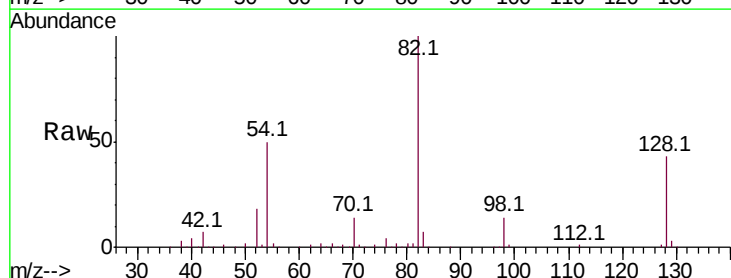
Tgt Ion: 82 Resp: 335509

Ion Ratio Lower Upper

82 100

128 43.3 37.8 56.8

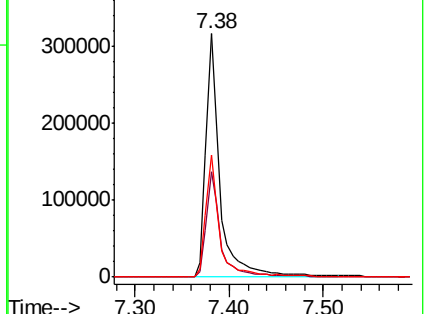
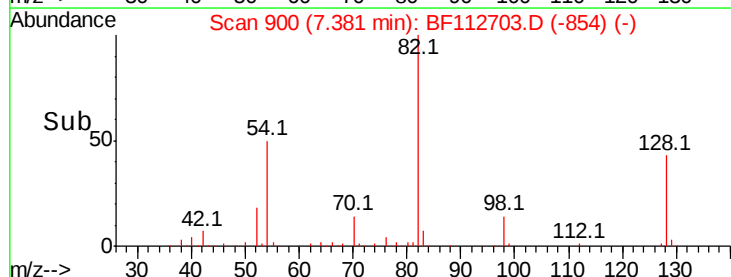
54 50.3 39.7 59.5

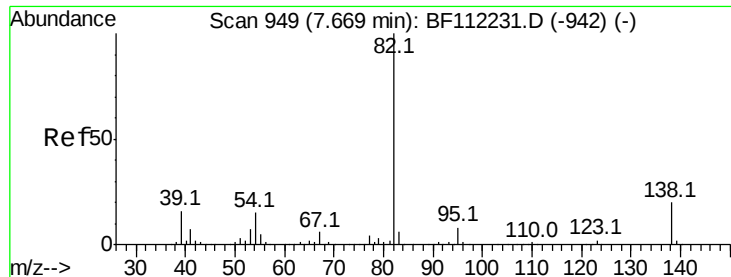


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 62.127 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF112703.D

Acq: 25 Feb 2019 20:08

Instrument :

BNA_F

ClientSampleId :

TP-E-WALL-GRADE-BEAMRE

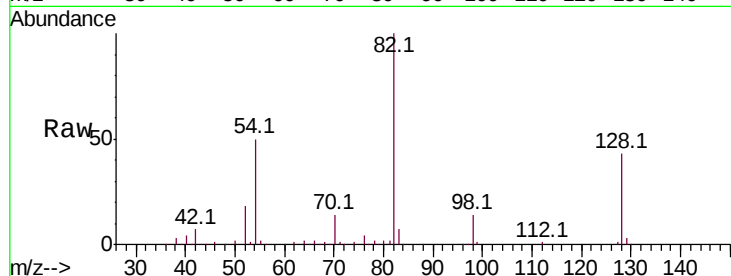
Tot Ion: 82 Resp: 335509

Ion Ratio Lower Upper

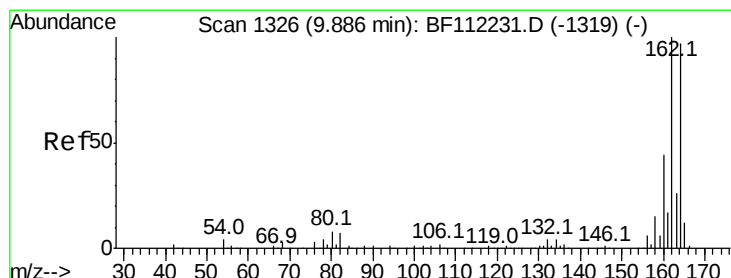
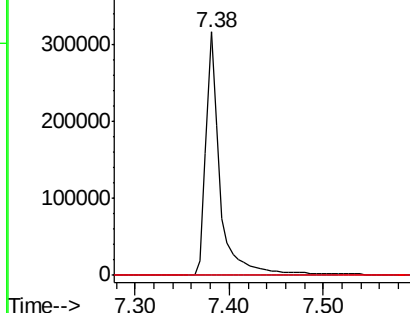
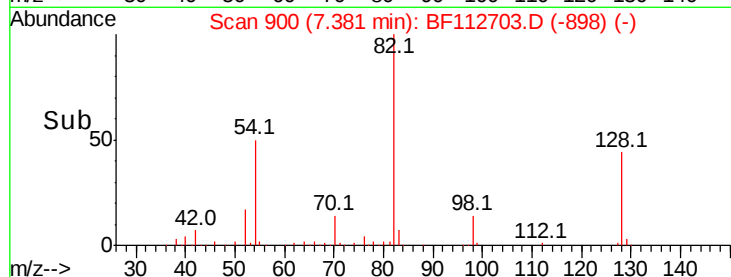
82 100

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# 1320

Delta R.T. -0.04 min

Lab File: BF112703.D

Acq: 25 Feb 2019 20:08

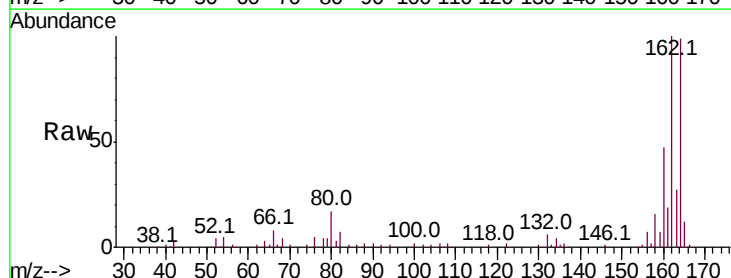
Tgt Ion: 164 Resp: 92077

Ion Ratio Lower Upper

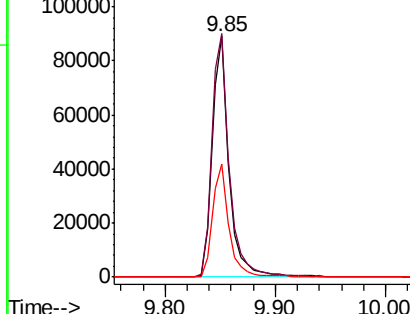
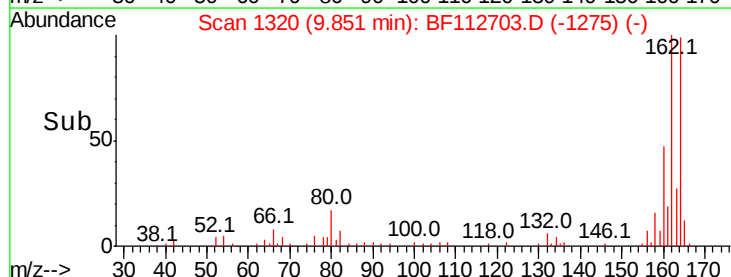
164 100

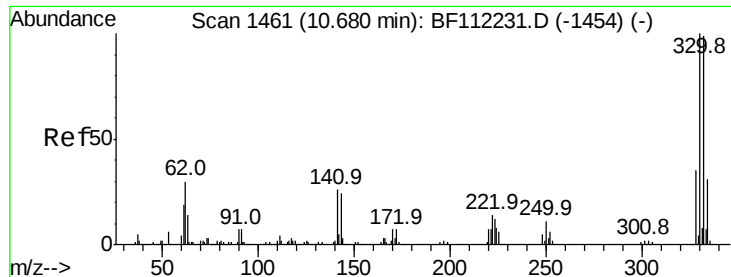
162 101.2 82.2 123.4

160 47.2 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

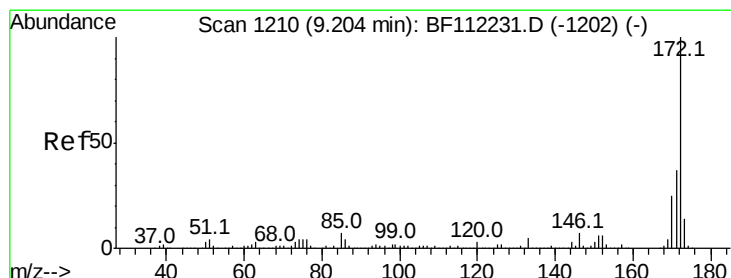
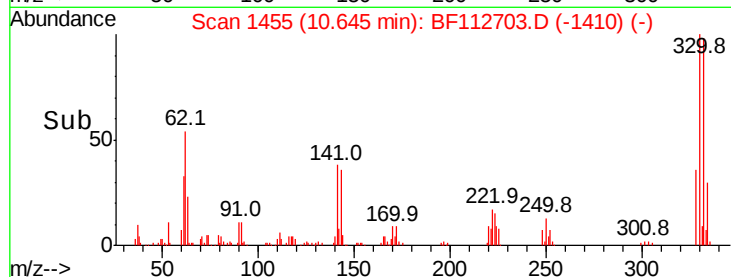
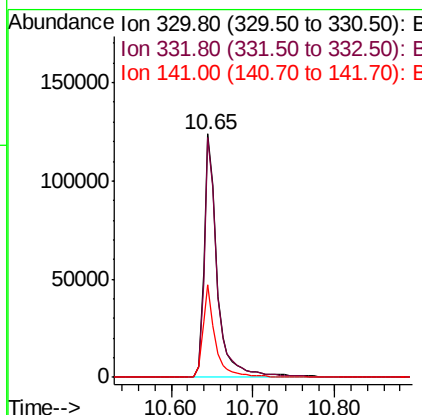
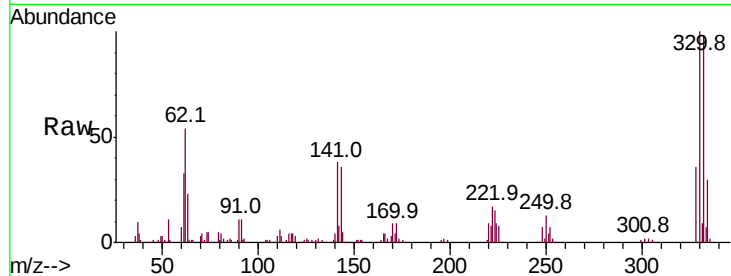




#42
 2,4,6-Tribromophenol
 Concen: 131.099 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.04 min
 Lab File: BF112703.D
 Acq: 25 Feb 2019 20:08

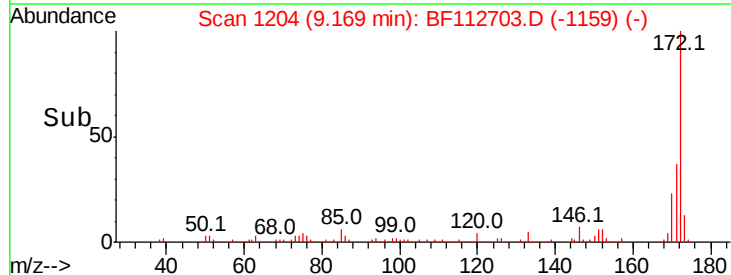
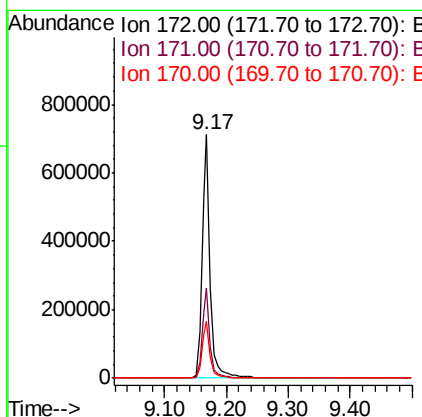
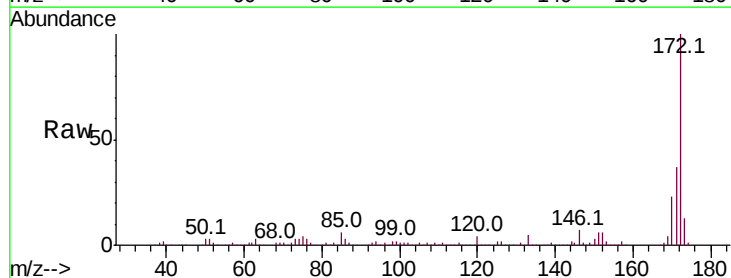
Instrument :
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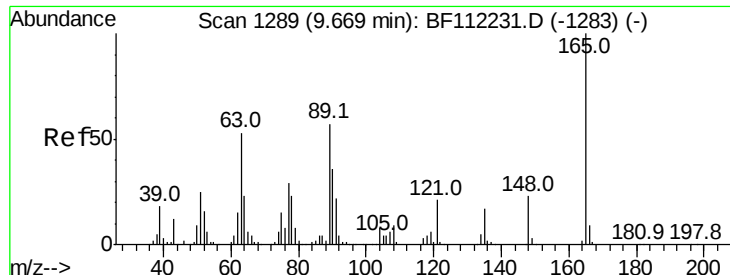
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.6	114.8
141	35.2	24.3	36.5



#45
 2-Fluorobiphenyl
 Concen: 100.757 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF112703.D
 Acq: 25 Feb 2019 20:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.5	45.7
170	23.5	20.2	30.4





#51

2,6-Dinitrotoluene

Concen: 6.950 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.18 min

Lab File: BF112703.D

Acq: 25 Feb 2019 20:08

Instrument :

BNA_F

ClientSampleId :

TP-E-WALL-GRADE-BEAMRE

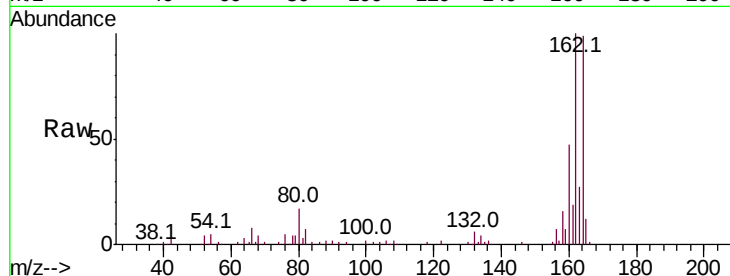
Tot Ion:165 Resp: 11136

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

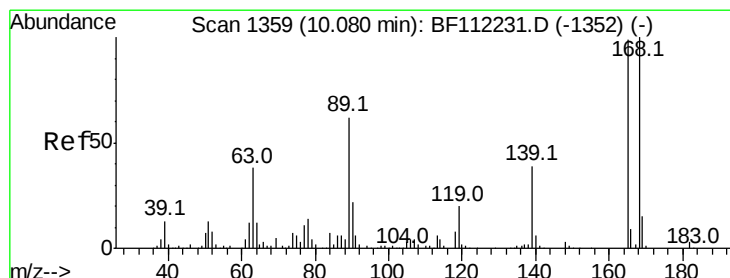
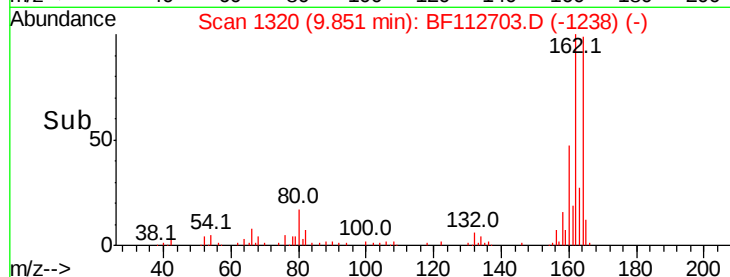
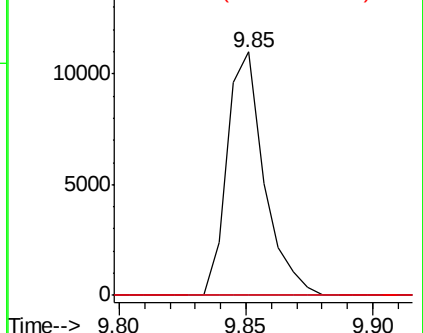
89 0.0 36.9 55.3#



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: 5.460 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.23 min

Lab File: BF112703.D

Acq: 25 Feb 2019 20:08

Tgt Ion:165 Resp: 11136

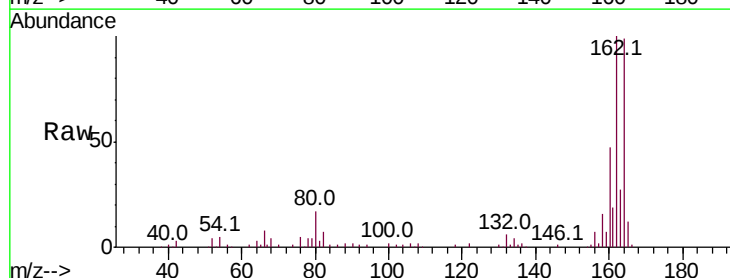
Ion Ratio Lower Upper

165 100

63 0.0 27.9 41.9#

89 0.0 47.9 71.9#

182 0.0 2.2 3.4#

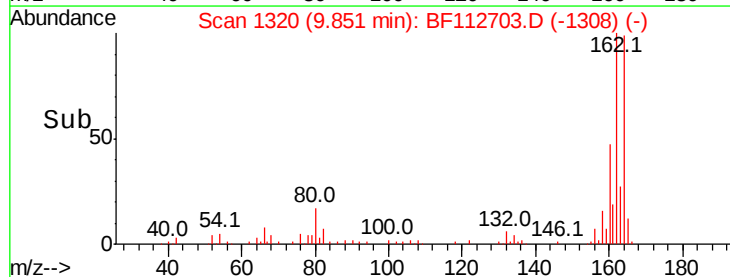
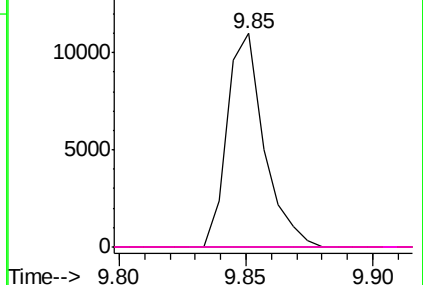


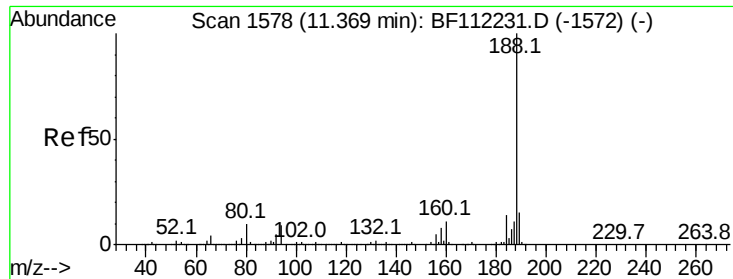
Abundance Ion 165.00 (164.70 to 165.70): E

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

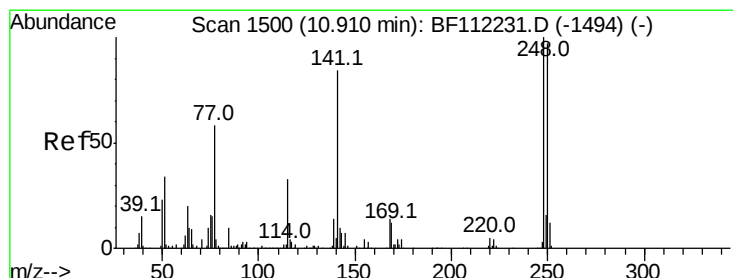
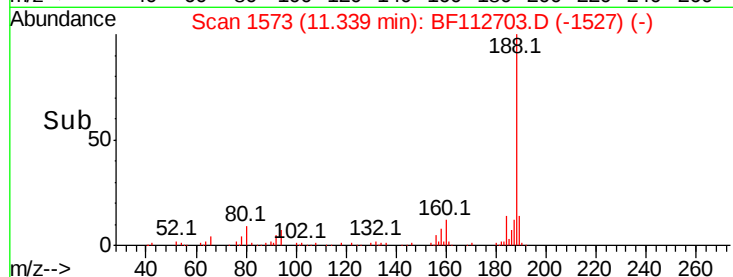
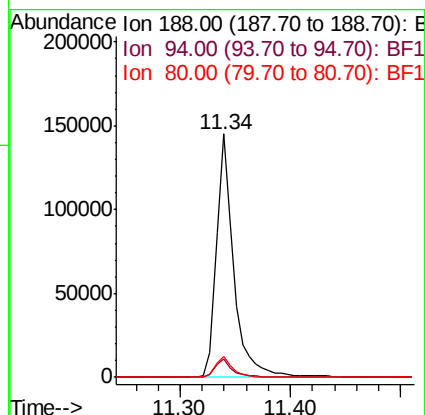
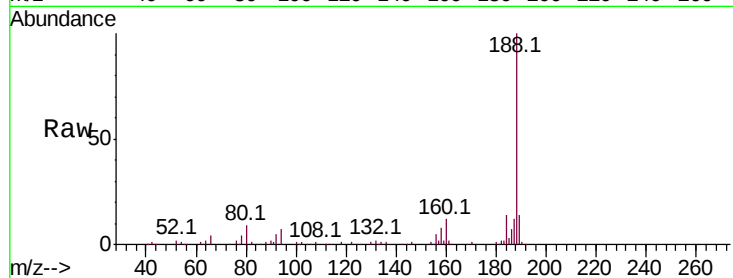




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BF112703.D
Acq: 25 Feb 2019 20:08

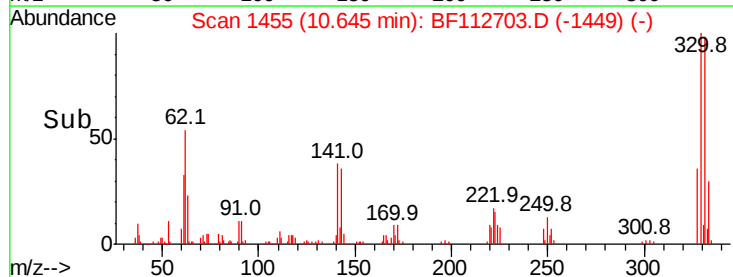
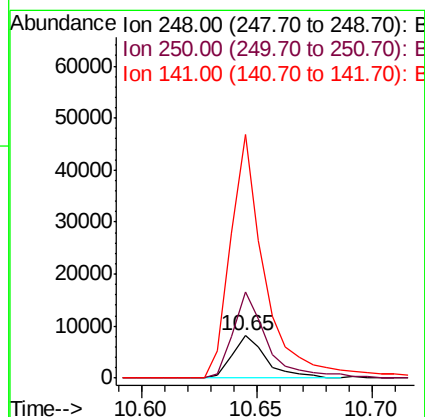
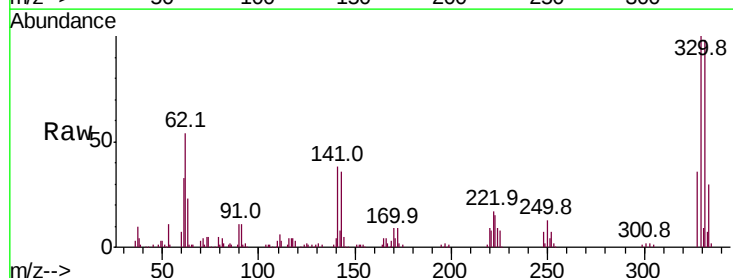
Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAMRE

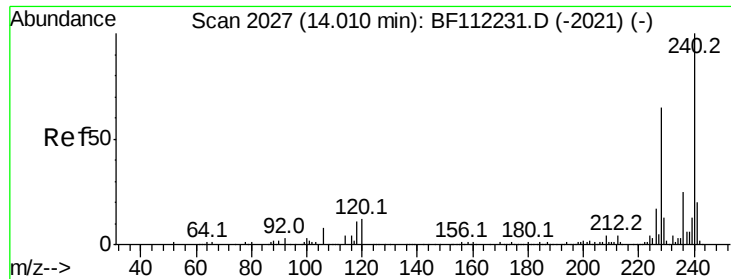
Tot Ion:188 Resp: 157295
Ion Ratio Lower Upper
188 100
94 7.4 8.2 12.2#
80 8.8 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 4.521 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.26 min
Lab File: BF112703.D
Acq: 25 Feb 2019 20:08

Tgt Ion:248 Resp: 8364
Ion Ratio Lower Upper
248 100
250 203.7 79.7 119.5#
141 573.5 60.3 90.5#

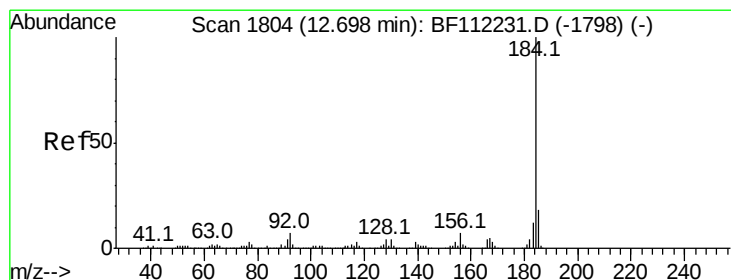
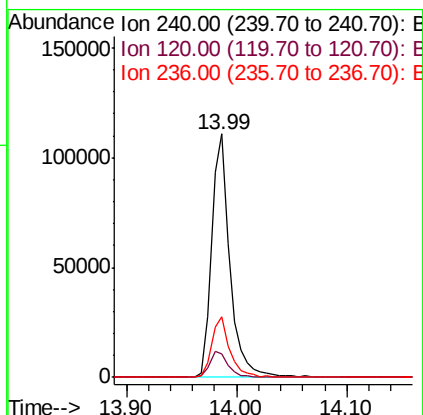
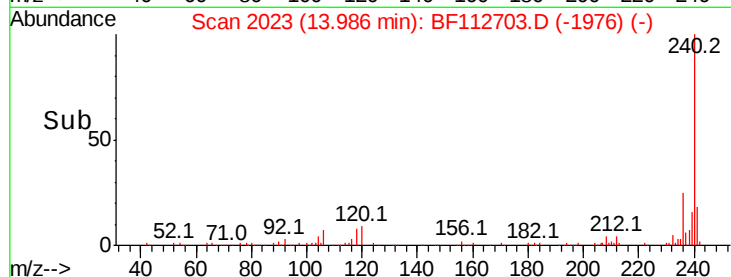
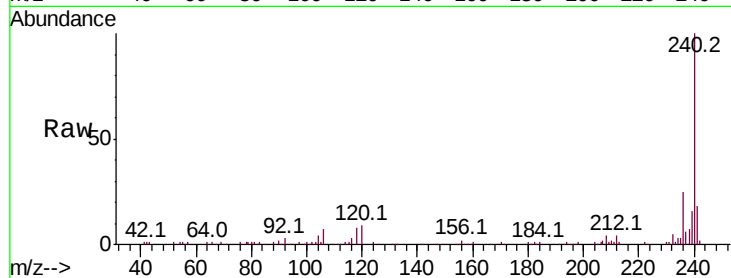




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF112703.D
Acq: 25 Feb 2019 20:08

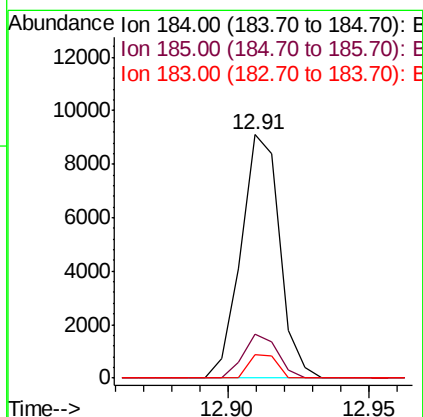
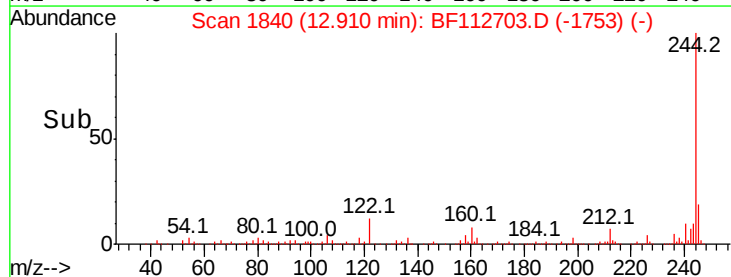
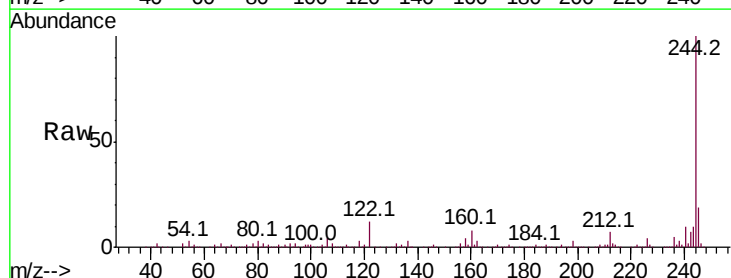
Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAMRE

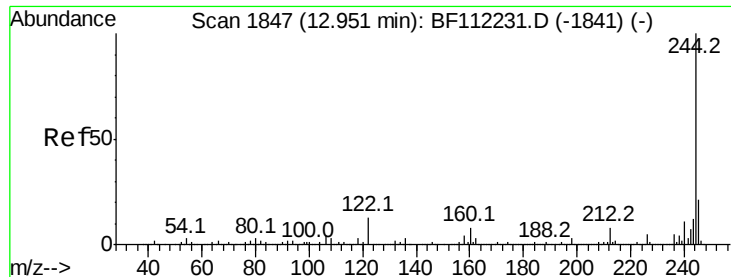
Tot Ion:240 Resp: 124373
Ion Ratio Lower Upper
240 100
120 9.5 9.0 13.6
236 24.7 20.7 31.1



#77
Benzidine
Concen: 2.524 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.21 min
Lab File: BF112703.D
Acq: 25 Feb 2019 20:08

Tgt Ion:184 Resp: 8641
Ion Ratio Lower Upper
184 100
185 18.2 13.9 20.9
183 9.7 10.0 15.0#





#79

Terphenyl-d14

Concen: 93.487 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.04 min

Lab File: BF112703.D

Acq: 25 Feb 2019 20:08

Instrument :

BNA_F

ClientSampleId :

TP-E-WALL-GRADE-BEAMRE

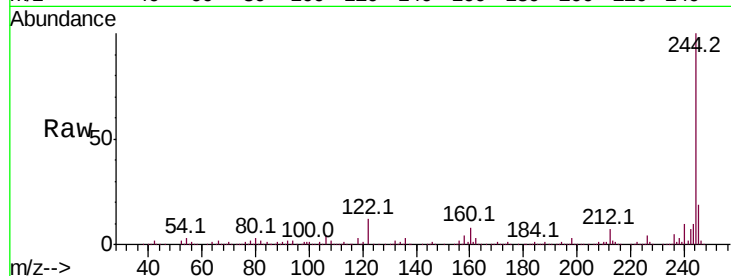
Tot Ion:244 Resp: 617343

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

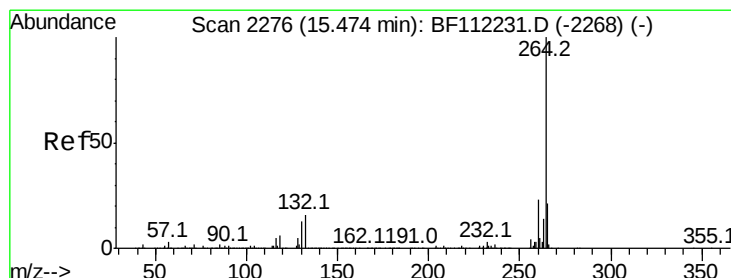
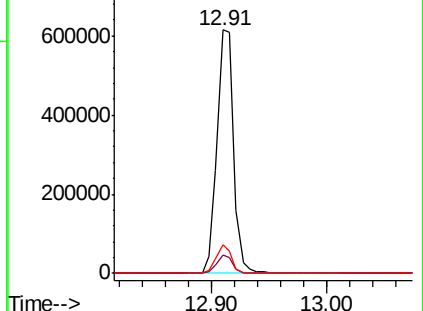
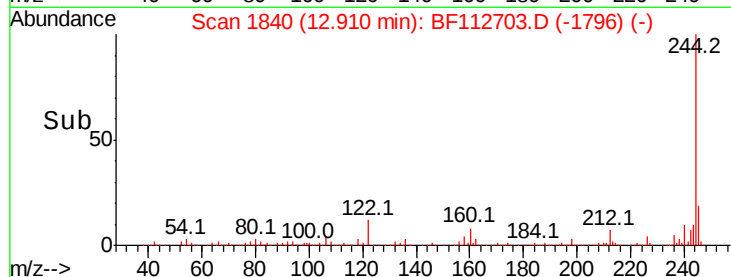
122 12.0 9.8 14.6



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: 15.46 min Scan# 2273

Delta R.T. -0.02 min

Lab File: BF112703.D

Acq: 25 Feb 2019 20:08

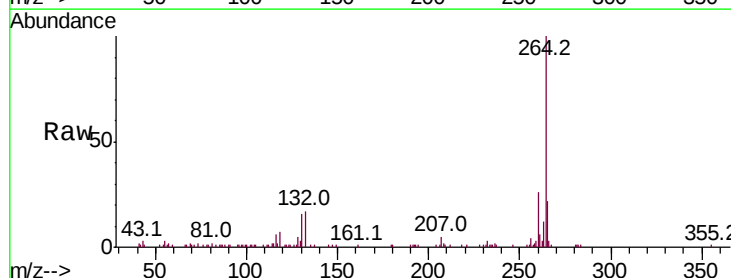
Tgt Ion:264 Resp: 94767

Ion Ratio Lower Upper

264 100

260 25.8 18.2 27.2

265 21.6 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

