

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104312.D
 Acq On : 6 Apr 2018 18:24
 Operator : JU/SJ
 Sample : PB108046BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB108046BL

Quant Time: Apr 06 23:09:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

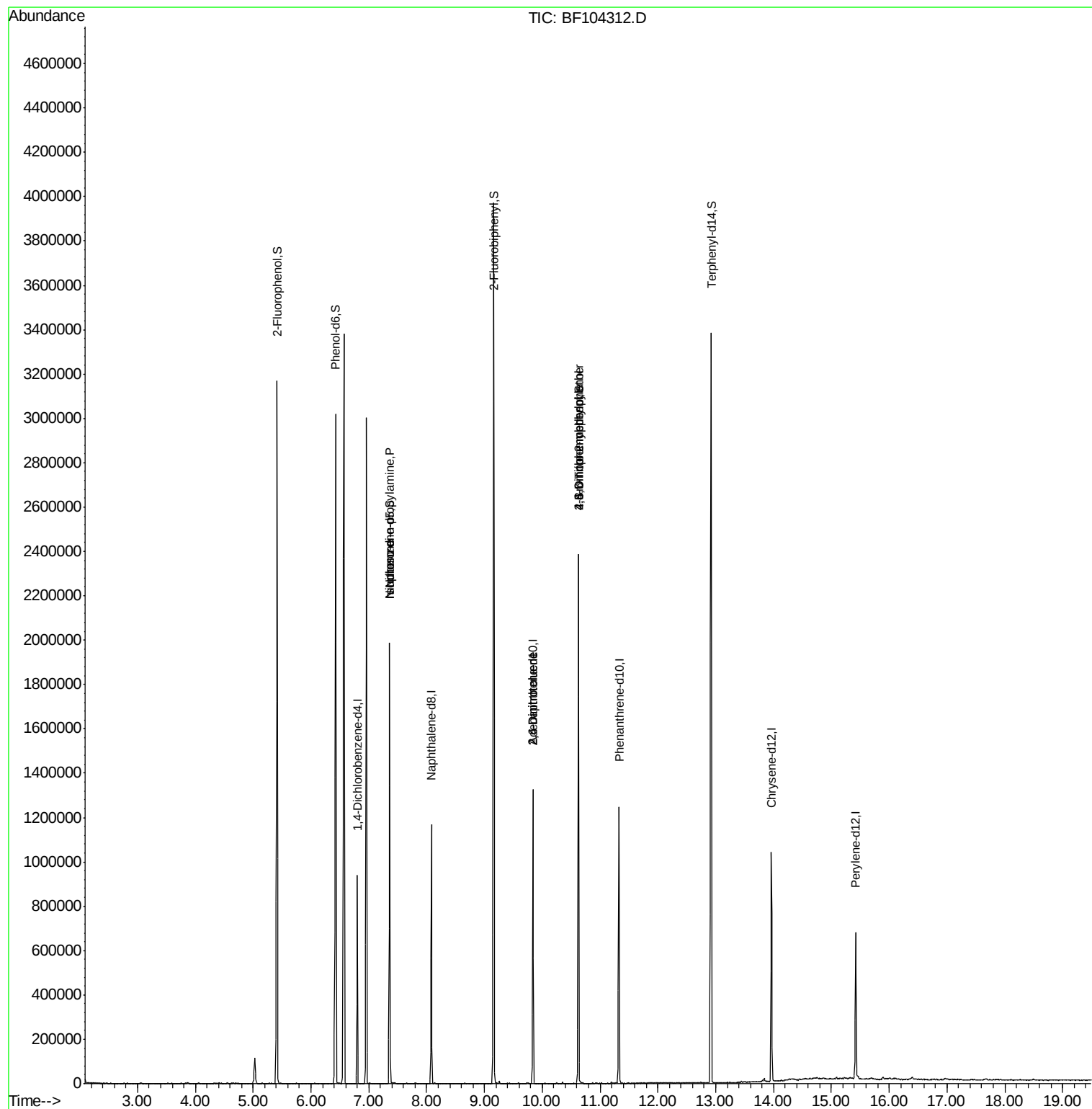
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	130574	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	532083	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	247995	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	443127	20.00	ng	0.00
75) Chrysene-d12	13.96	240	321356	20.00	ng	-0.01
86) Perylene-d12	15.42	264	286339	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1008105	118.05	ng	0.01
7) Phenol-d6	6.43	99	1250360	119.17	ng	0.00
23) Nitrobenzene-d5	7.36	82	751285	92.20	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	304217	118.26	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1346903	85.80	ng	0.00
78) Terphenyl-d14	12.92	244	1270055	90.10	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	1907	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	7.36	70	99134	14.459 ng	#	1
25) Isophorone	7.36	82	751269	43.599 ng	#	75
50) 2,6-Dinitrotoluene	9.84	165	31353	8.664 ng	#	64
56) 2,4-Dinitrotoluene	9.84	165	31353	6.605 ng	#	25
64) 4,6-Dinitro-2-methylphenol	10.63	198	571	7.571 ng	#	23
66) 4-Bromophenyl-phenylether	10.63	248	18594	3.945 ng	#	1
76) Benzidine	12.92	184	17706	Below Cal		98

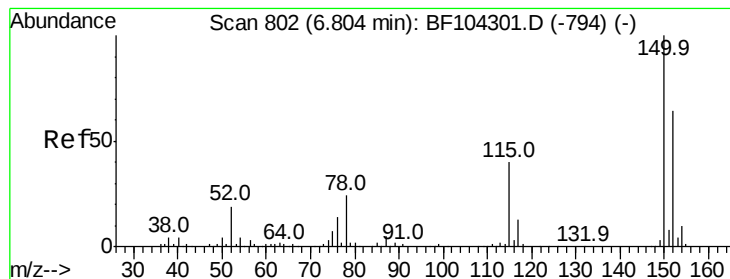
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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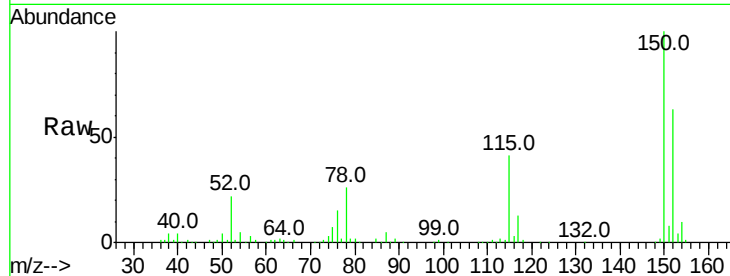


#1

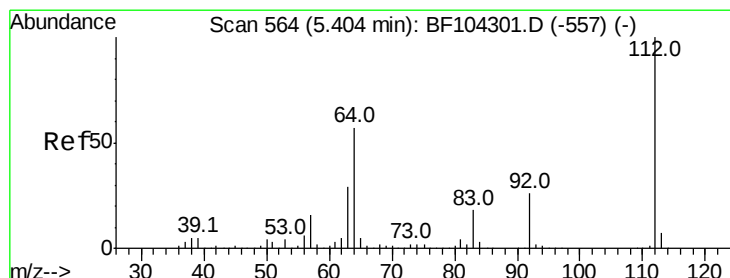
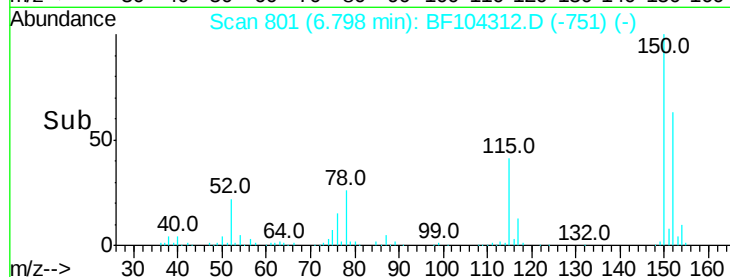
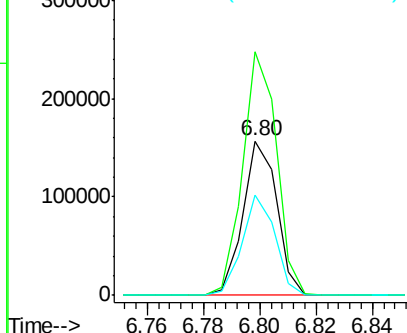
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF104312.D
 Acq: 6 Apr 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 PB108046BL

Tot Ion:152 Resp: 130574
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.6 186.8
 115 64.9 50.1 75.1



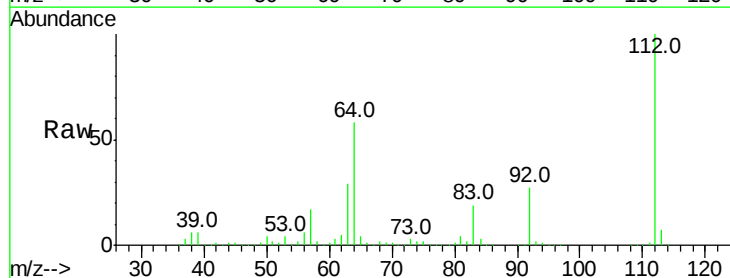
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



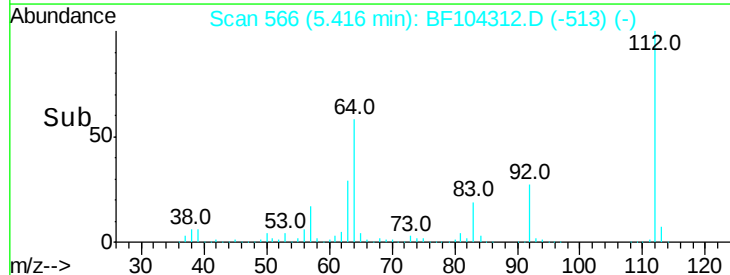
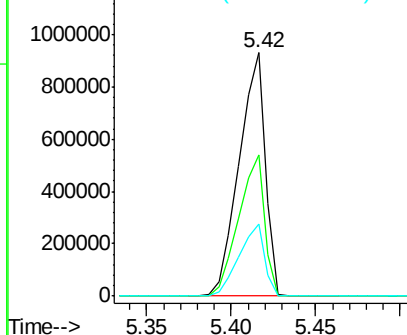
#5

2-Fluorophenol
 Concen: 118.052 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF104312.D
 Acq: 6 Apr 2018 18:24

Tgt Ion:112 Resp: 1008105
 Ion Ratio Lower Upper
 112 100
 64 58.1 47.9 71.9
 63 29.4 23.7 35.5



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: 119.169 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF104312.D

Acq: 6 Apr 2018 18:24

Instrument :

BNA_F

ClientSampleId :

PB108046BL

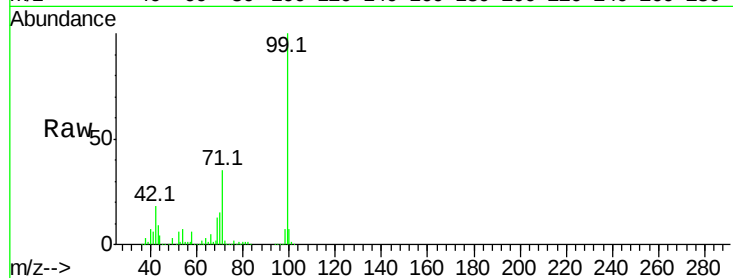
Tot Ion: 99 Resp: 1250360

Ion Ratio Lower Upper

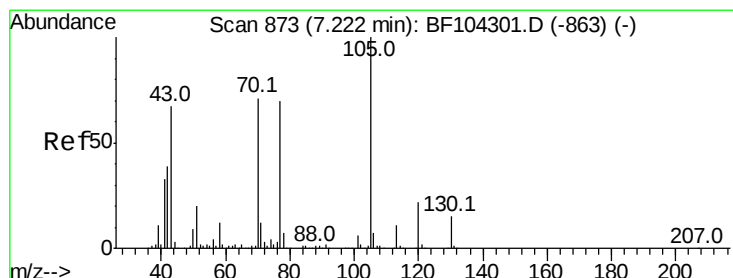
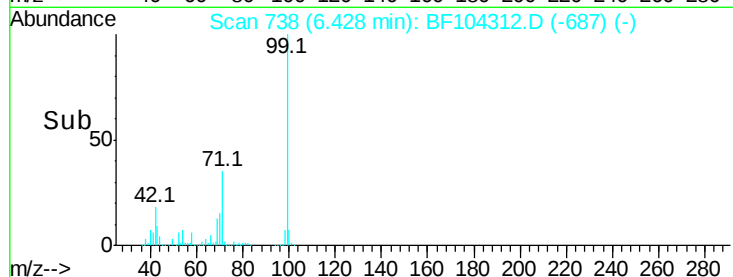
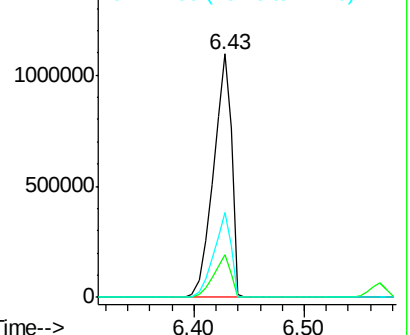
99 100

42 17.5 14.5 21.7

71 34.9 25.4 38.0



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: 14.459 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104312.D

Acq: 6 Apr 2018 18:24

Tgt Ion: 70 Resp: 99134

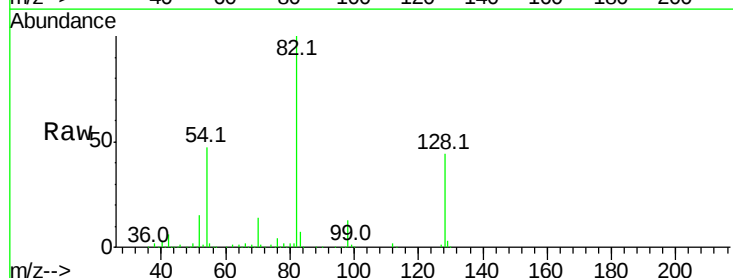
Ion Ratio Lower Upper

70 100

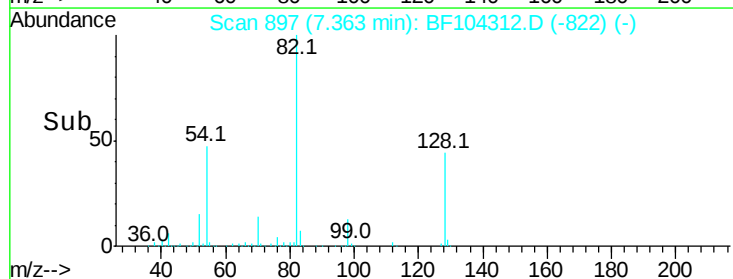
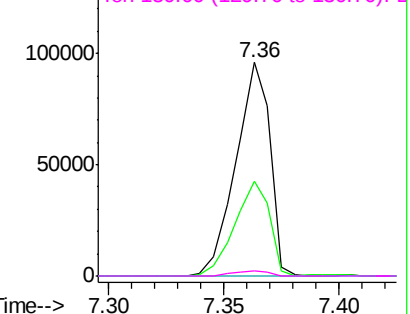
42 44.3 47.5 71.3#

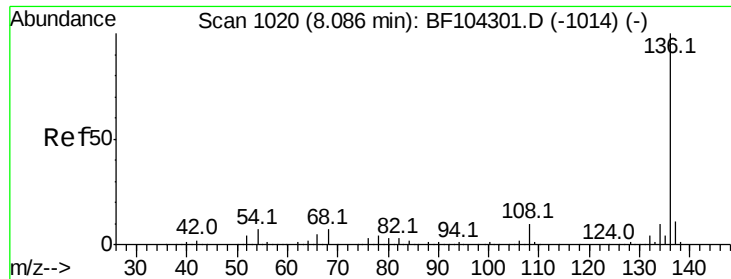
101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



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

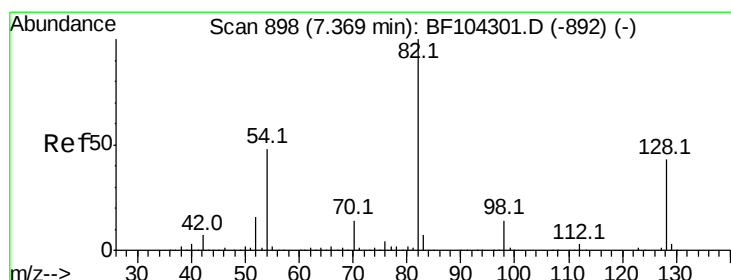
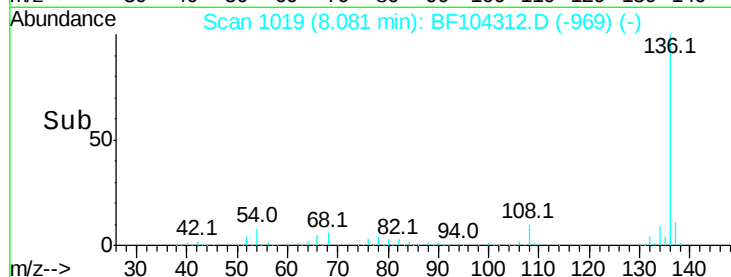
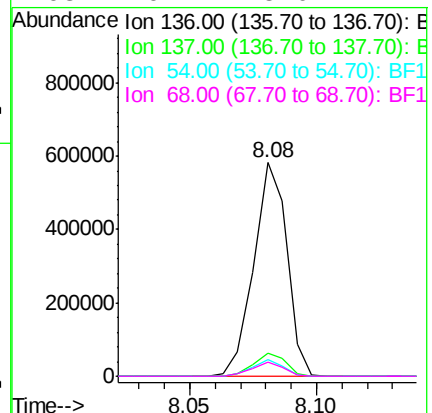
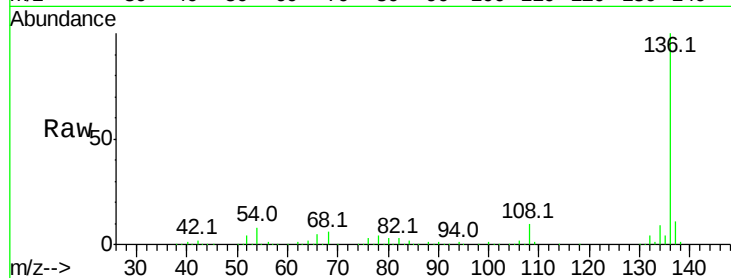




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104312.D
Acq: 6 Apr 2018 18:24

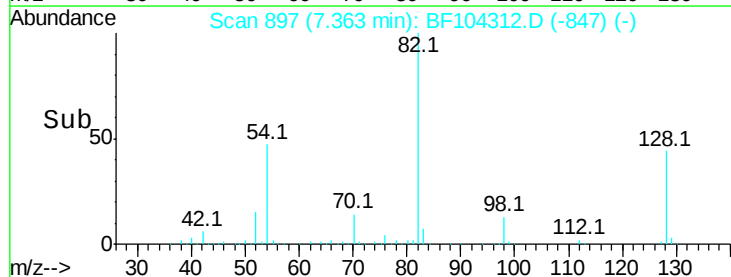
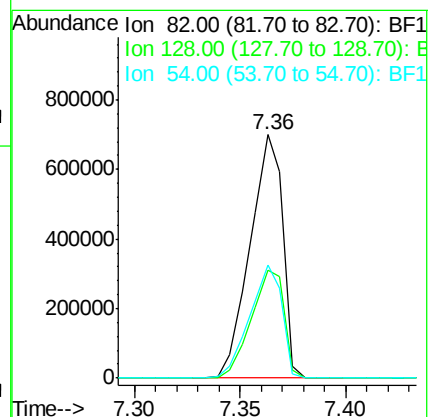
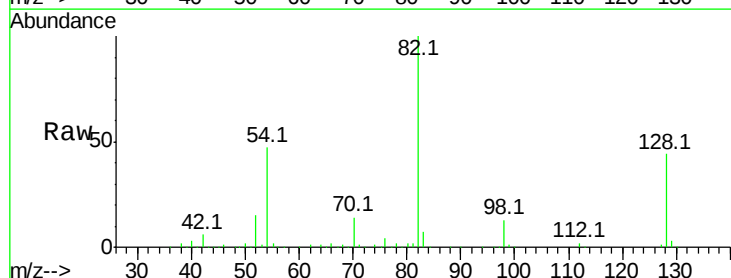
Instrument :
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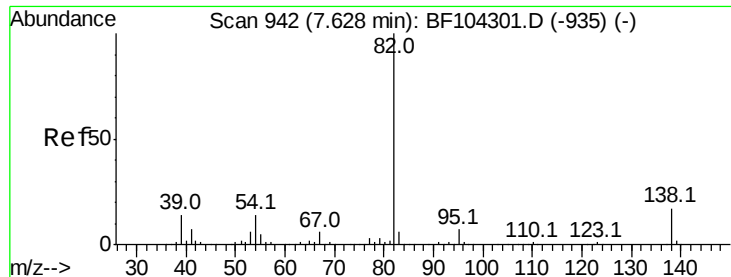
Tot Ion:	136	Resp:	532083
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.1	6.6	9.8
68	6.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 92.199 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104312.D
Acq: 6 Apr 2018 18:24

Tgt Ion:	82	Resp:	751285
Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.1	54.1
54	46.6	41.4	62.2





#25

Isophorone

Concen: 43.599 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104312.D

Acq: 6 Apr 2018 18:24

Instrument :

BNA_F

ClientSampleId :

PB108046BL

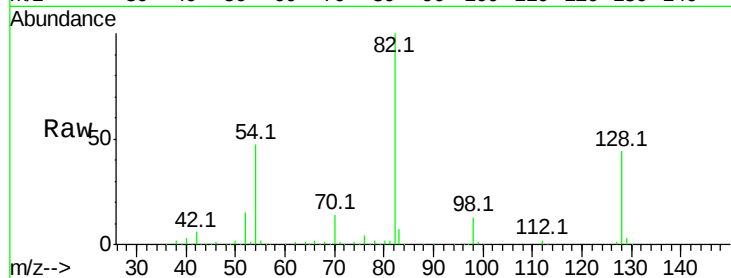
Tot Ion: 82 Resp: 751269

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

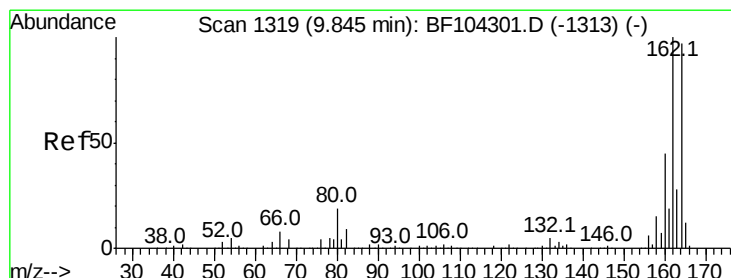
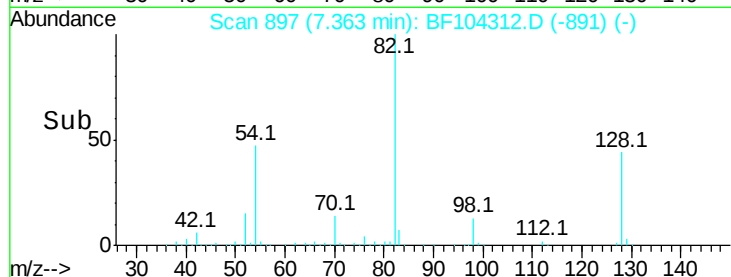
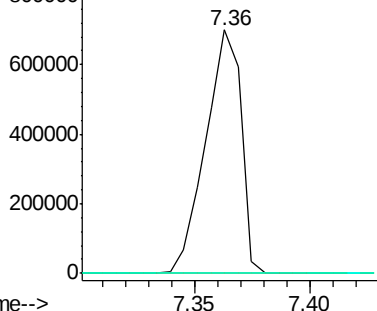
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104312.D

Acq: 6 Apr 2018 18:24

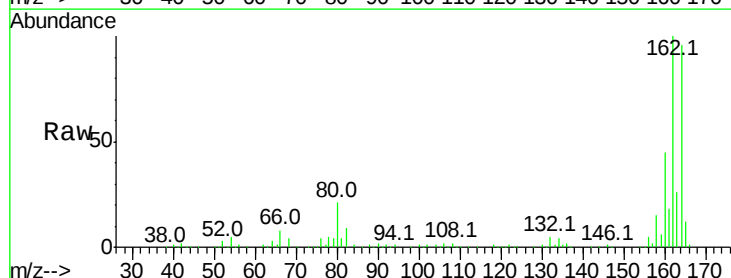
Tgt Ion:164 Resp: 247995

Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

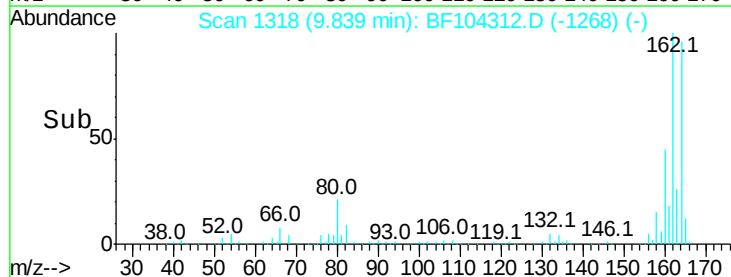
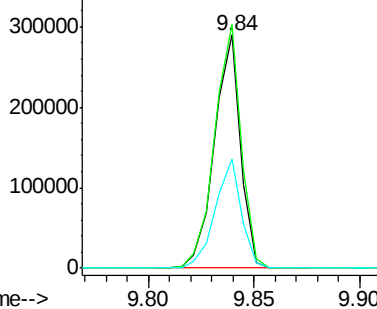
160 47.0 38.3 57.5

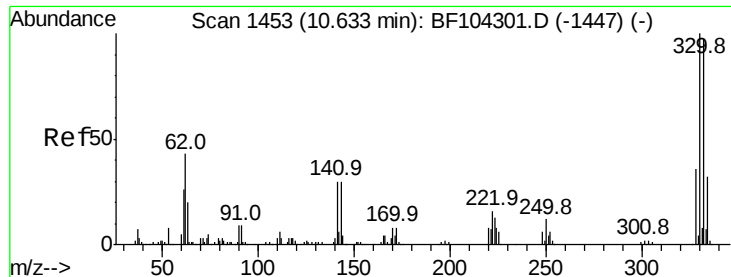


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

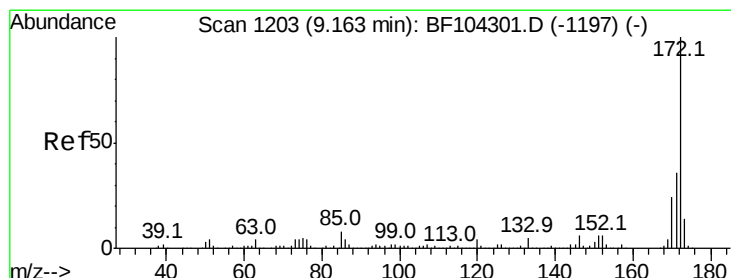
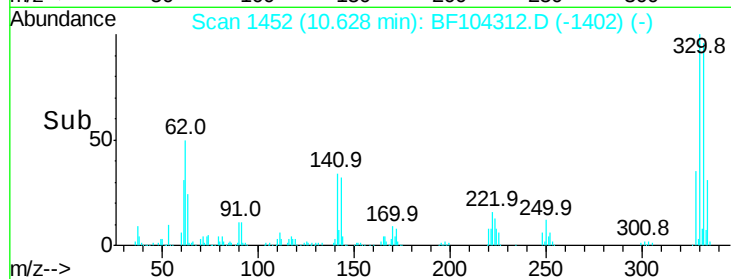
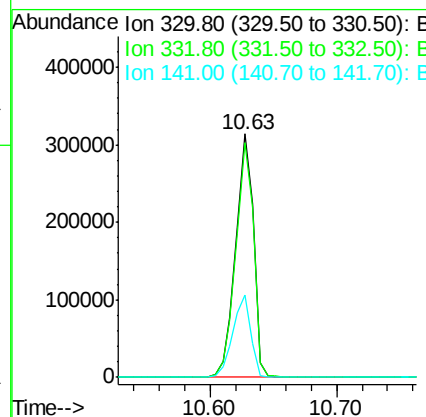
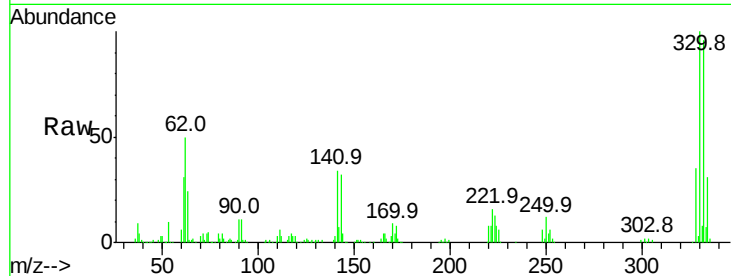




#41
 2,4,6-Tribromophenol
 Concen: 118.256 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104312.D
 Acq: 6 Apr 2018 18:24

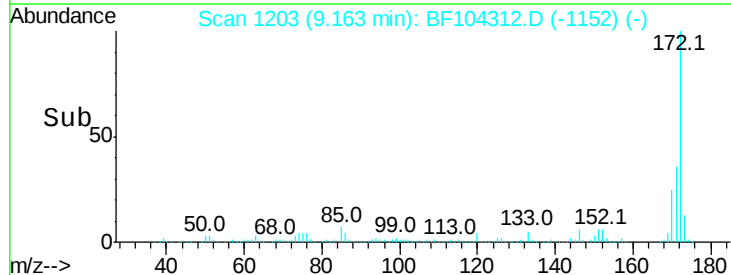
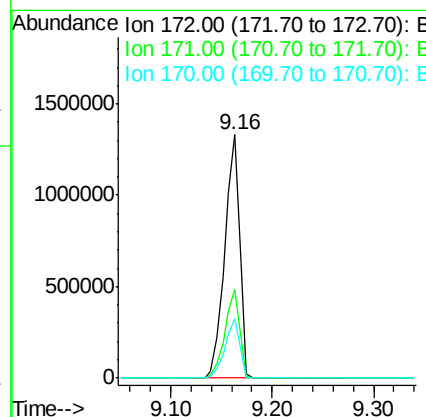
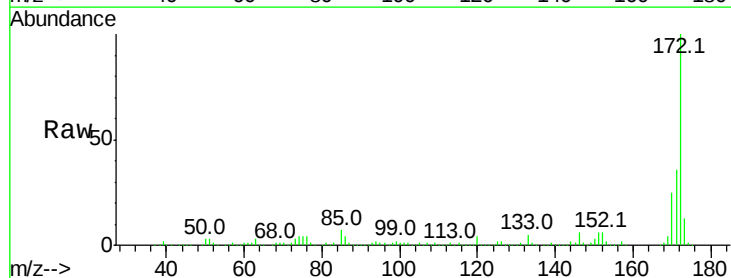
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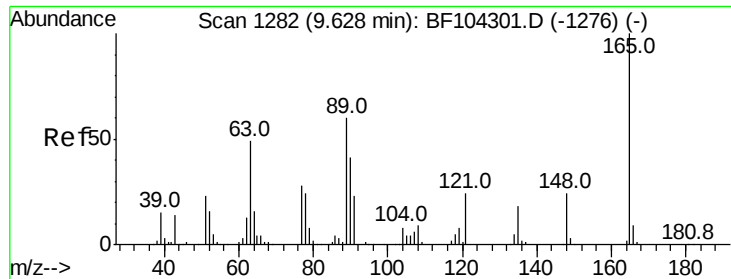
Tot Ion:330 Resp: 304217
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 34.0 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 85.799 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104312.D
 Acq: 6 Apr 2018 18:24

Tgt Ion:172 Resp: 1346903
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.5 19.6 29.4

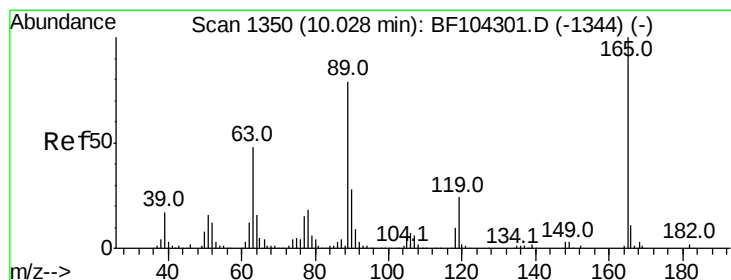
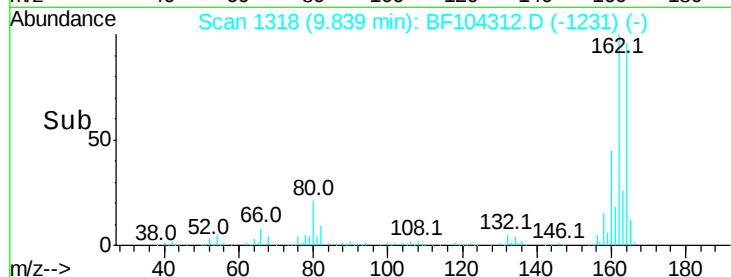
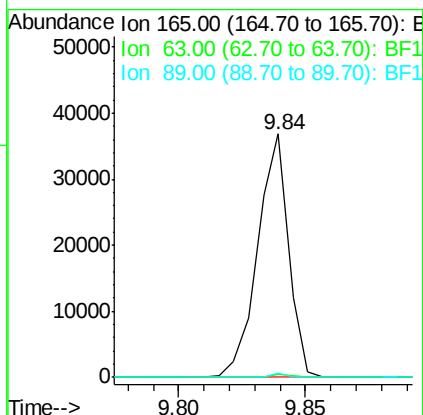
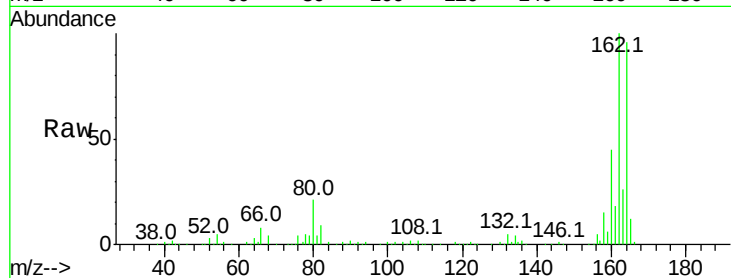




#50
 2,6-Dinitrotoluene
 Concen: 8.664 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104312.D
 Acq: 6 Apr 2018 18:24

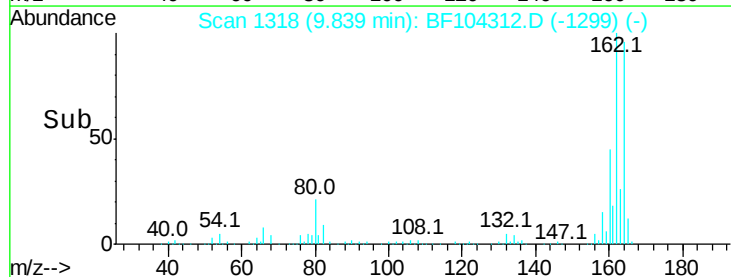
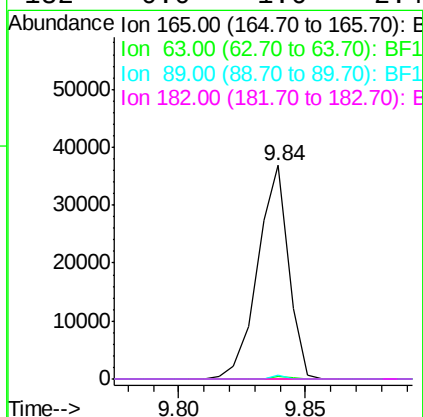
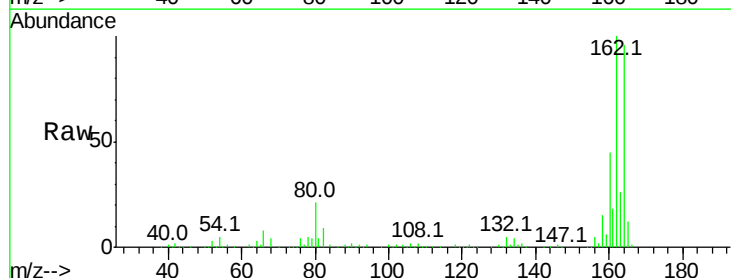
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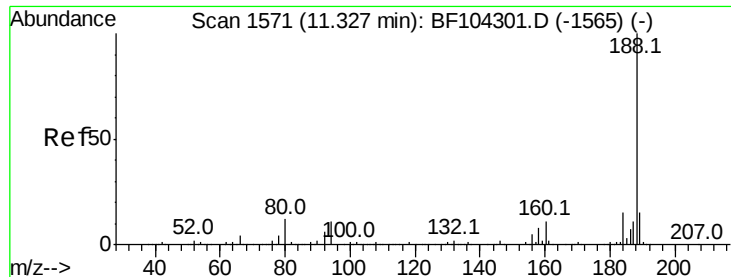
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.605 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104312.D
 Acq: 6 Apr 2018 18:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

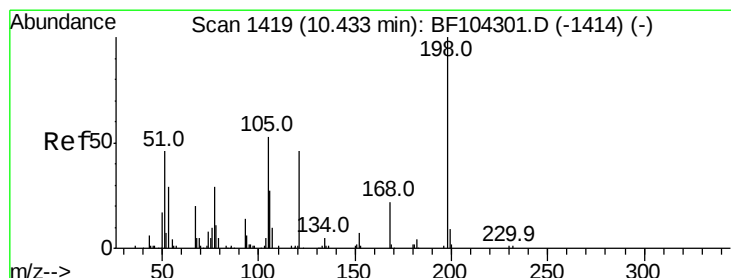
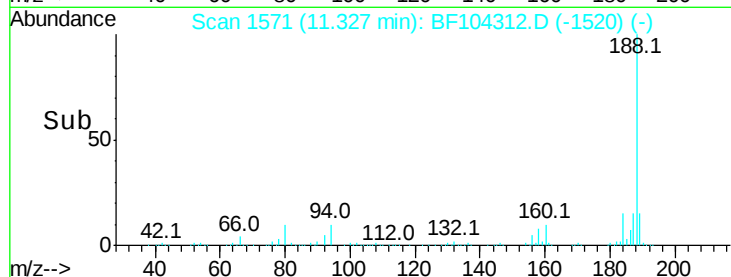
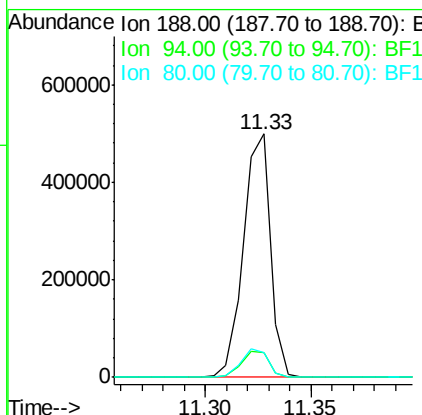
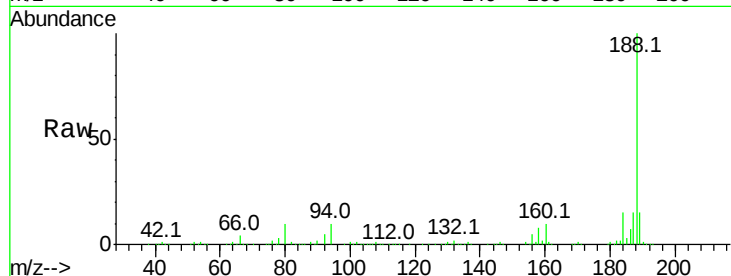




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF104312.D
Acq: 6 Apr 2018 18:24

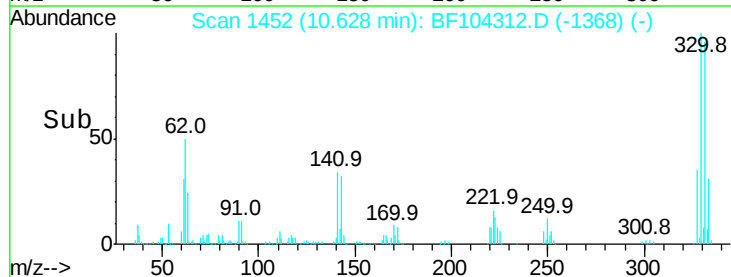
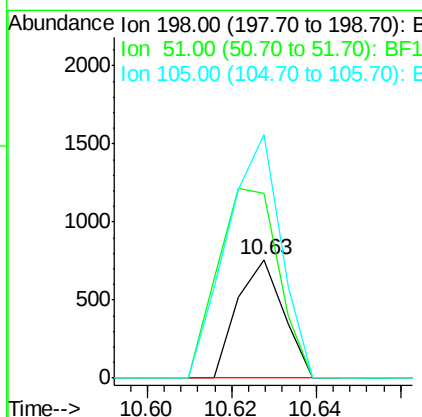
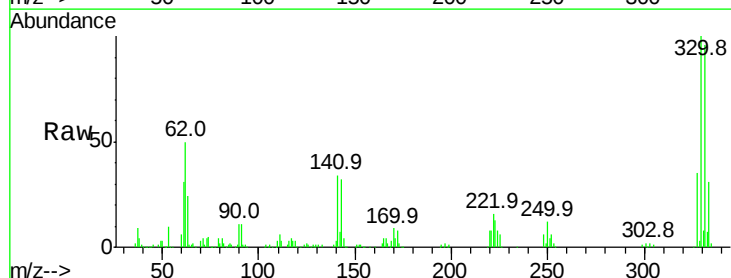
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ClientSampleId :
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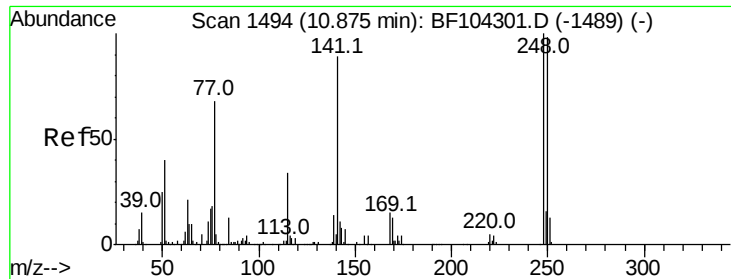
Tot Ion:188 Resp: 443127
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.571 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.19 min
Lab File: BF104312.D
Acq: 6 Apr 2018 18:24

Tgt Ion:198 Resp: 571
Ion Ratio Lower Upper
198 100
51 155.9 37.7 77.7#
105 205.9 36.3 76.3#

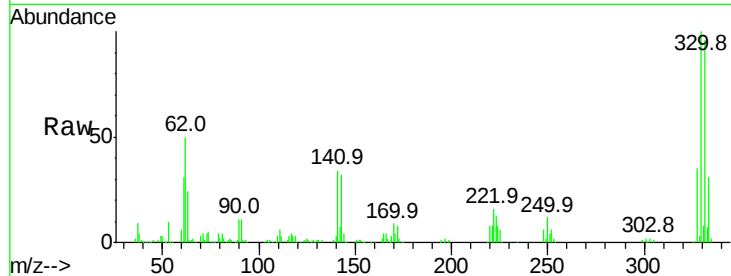




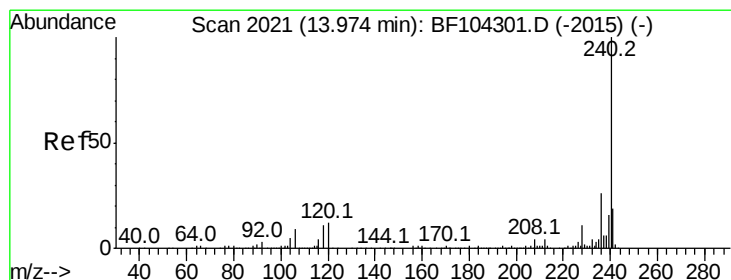
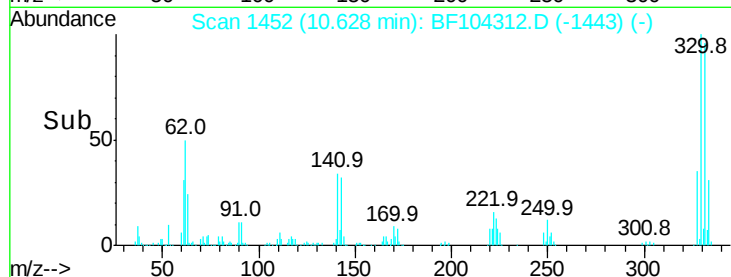
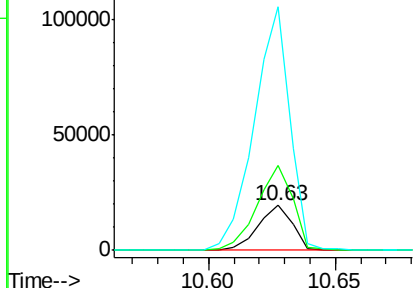
#66
4-Bromophenyl-phenylether
Concen: 3.945 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.25 min
Lab File: BF104312.D
Acq: 6 Apr 2018 18:24

Instrument :
BNA_F
ClientSampleId :
PB108046BL

Tot Ion:248 Resp: 18594
Ion Ratio Lower Upper
248 100
250 190.7 76.9 115.3#
141 543.6 74.4 111.6#

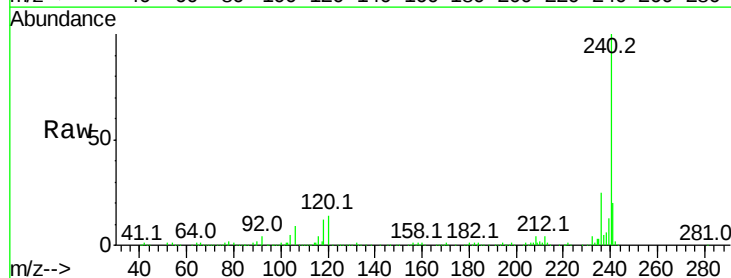


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

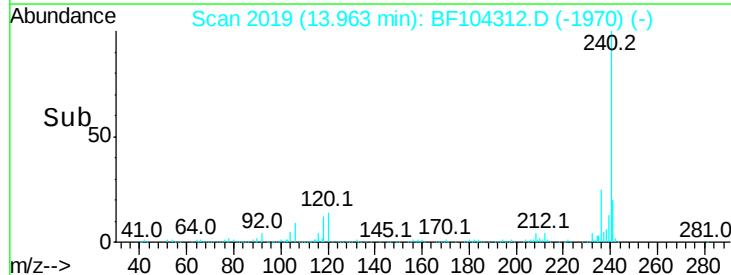
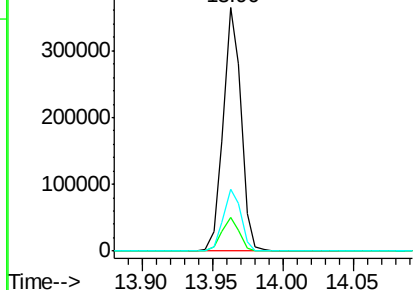


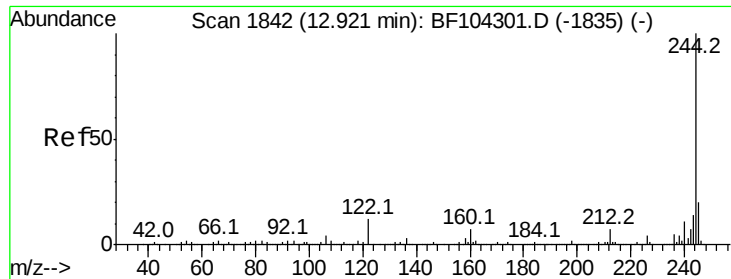
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF104312.D
Acq: 6 Apr 2018 18:24

Tgt Ion:240 Resp: 321356
Ion Ratio Lower Upper
240 100
120 14.1 9.5 14.3
236 25.2 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





#78

Terphenyl-d14

Concen: 90.103 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104312.D

Acq: 6 Apr 2018 18:24

Instrument :

BNA_F

ClientSampleId :

PB108046BL

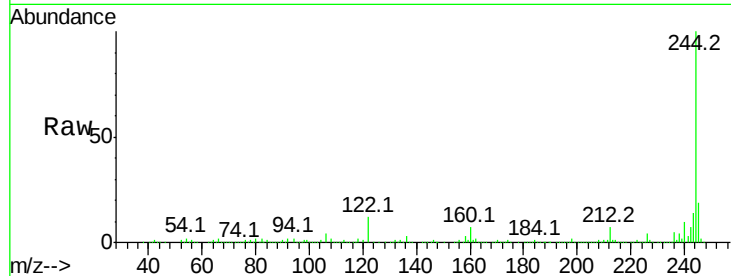
Tot Ion:244 Resp: 1270055

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

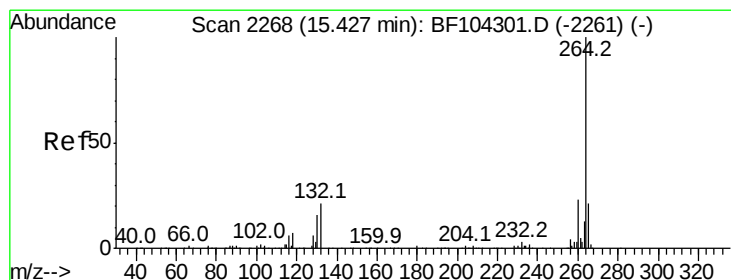
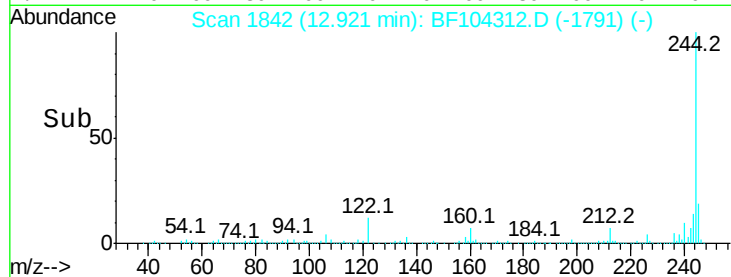
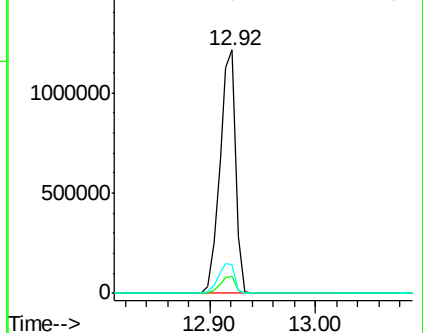
122 11.6 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF104312.D

Acq: 6 Apr 2018 18:24

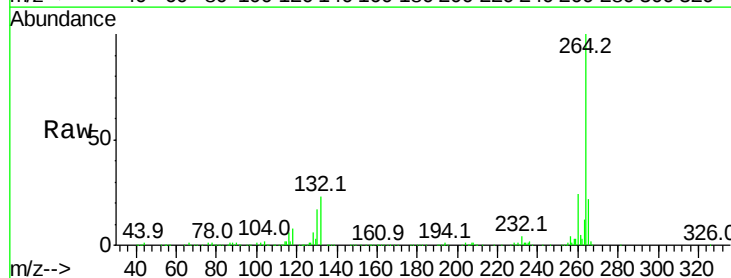
Tgt Ion:264 Resp: 286339

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.8 17.5 26.3



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

