

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104310.D
 Acq On : 6 Apr 2018 17:02
 Operator : JU/SJ
 Sample : PB107966BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 06 23:09:34 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	129709	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	536501	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	255076	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	469893	20.00	ng	0.00
75) Chrysene-d12	13.96	240	425943	20.00	ng	-0.01
86) Perylene-d12	15.42	264	346415	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	995821	117.39	ng	0.01
7) Phenol-d6	6.43	99	1218763	116.93	ng	0.00
23) Nitrobenzene-d5	7.36	82	736920	89.69	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	315325	119.17	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1333033	82.56	ng	0.00
78) Terphenyl-d14	12.92	244	1438516	77.00	ng	0.00

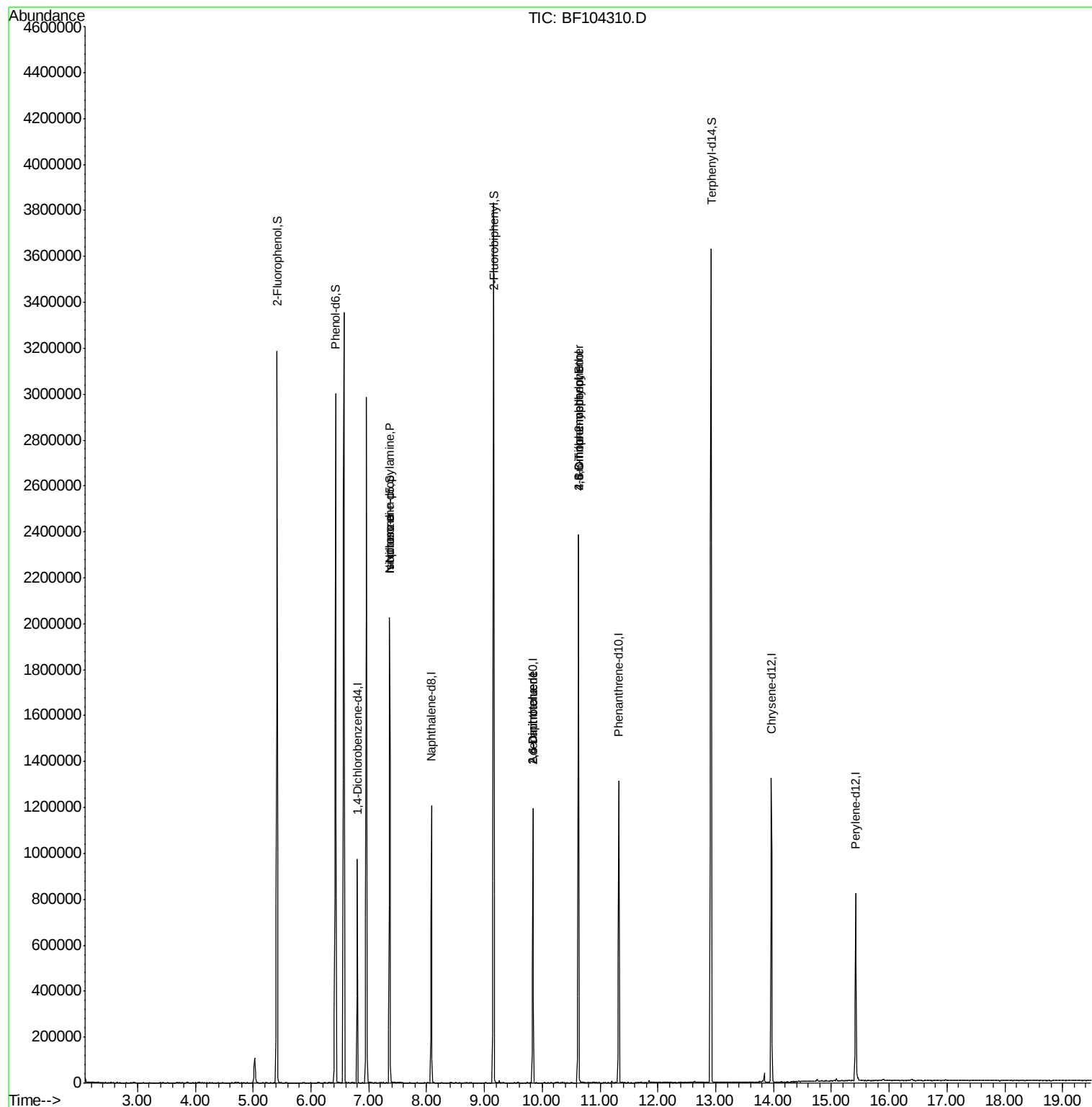
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1816	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	98564	14.472	ng	# 75
25) Isophorone	7.36	82	736755	42.405	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	33053	8.880	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	33053	6.770	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	586	7.564	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	18869	3.775	ng	# 1
76) Benzydine	12.92	184	19971	Below Cal		97

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

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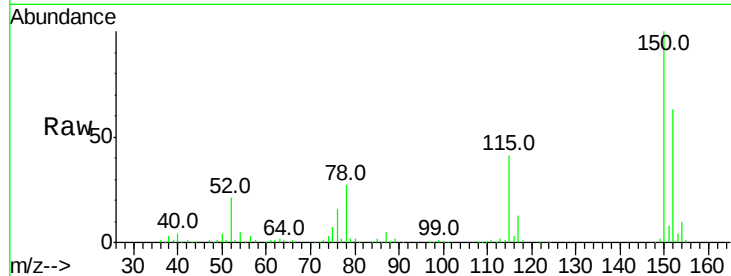


#1

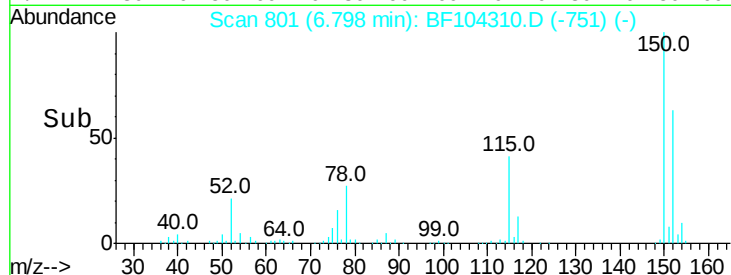
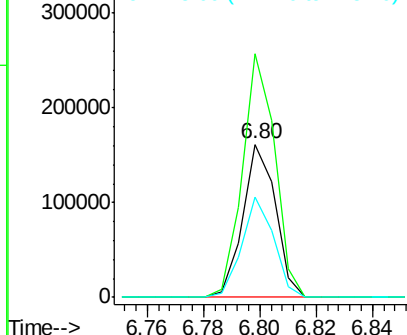
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF104310.D
 Acq: 6 Apr 2018 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 129709
 Ion Ratio Lower Upper
 152 100
 150 159.0 124.6 186.8
 115 65.7 50.1 75.1



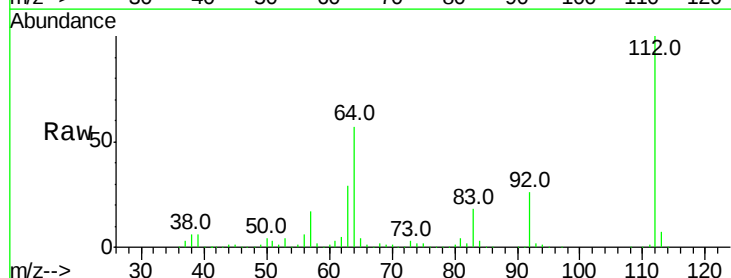
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



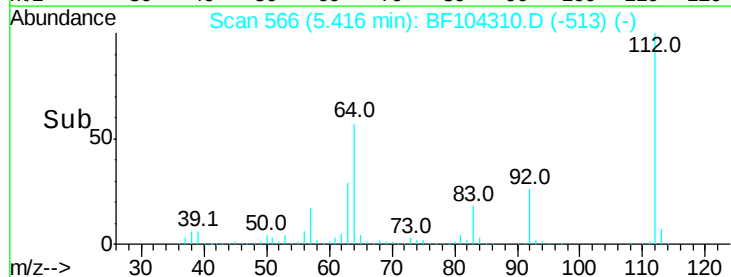
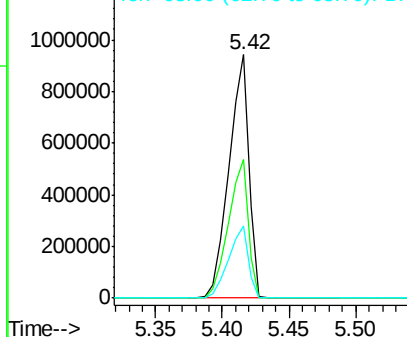
#5

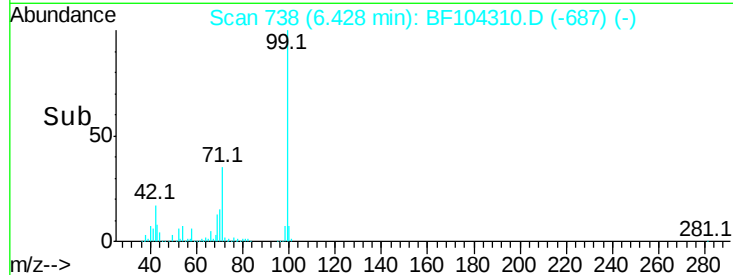
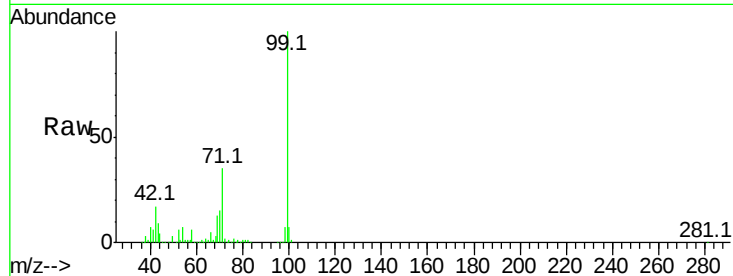
2-Fluorophenol
 Concen: 117.391 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF104310.D
 Acq: 6 Apr 2018 17:02

Tgt Ion:112 Resp: 995821
 Ion Ratio Lower Upper
 112 100
 64 56.9 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: 116.933 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF104310.D

Acq: 6 Apr 2018 17:02

Instrument :

BNA_F

ClientSampled :

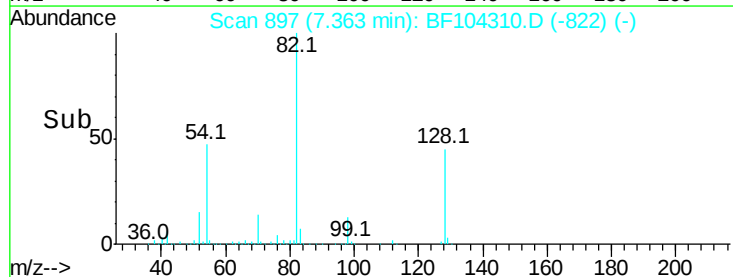
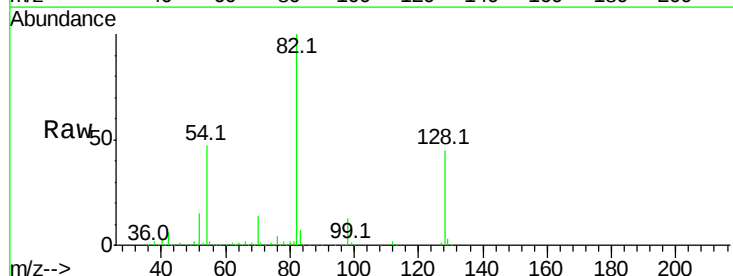
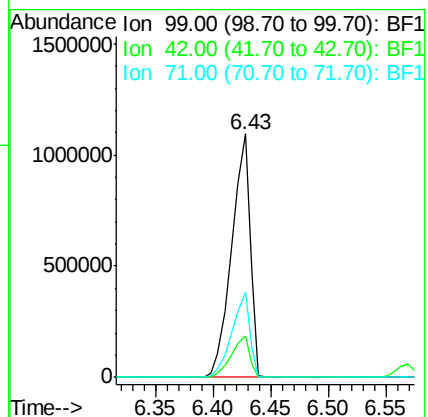
Tot Ion: 99 Resp: 1218763

Ion Ratio Lower Upper

99 100

42 17.2 14.5 21.7

71 35.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.472 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104310.D

Acq: 6 Apr 2018 17:02

Tgt Ion: 70 Resp: 98564

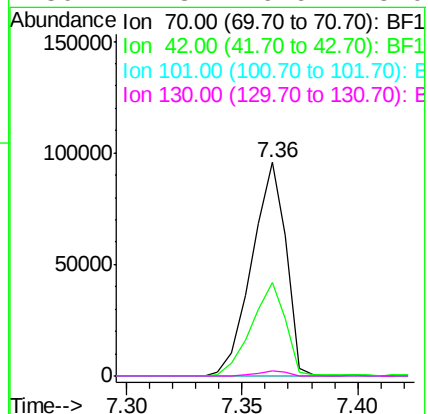
Ion Ratio Lower Upper

70 100

42 44.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104310.D

Acq: 6 Apr 2018 17:02

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 536501

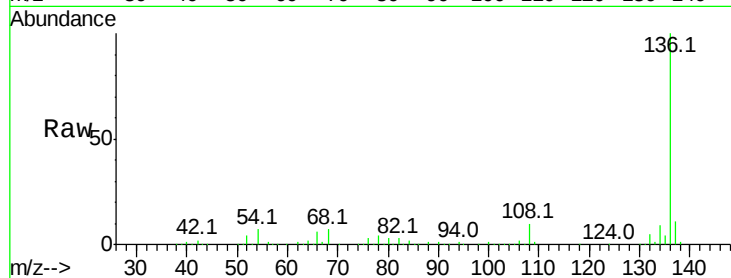
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.3 6.6 9.8

68 6.6 5.0 7.4

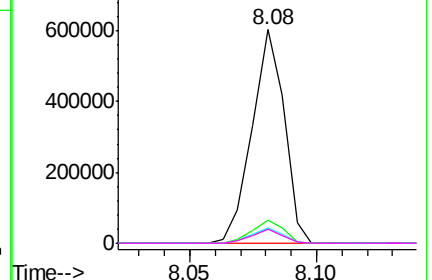
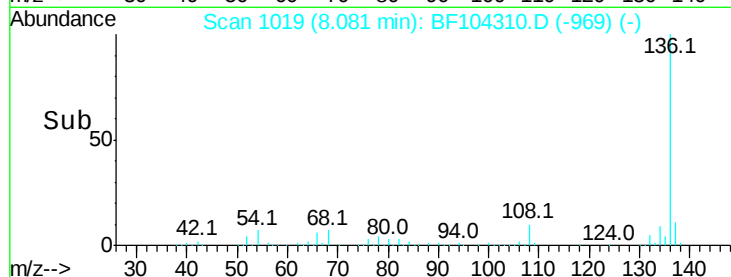


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.691 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104310.D

Acq: 6 Apr 2018 17:02

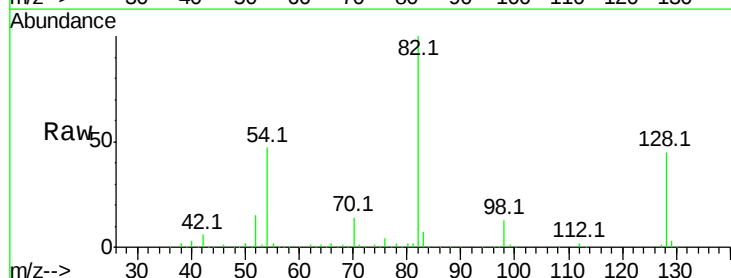
Tgt Ion: 82 Resp: 736920

Ion Ratio Lower Upper

82 100

128 44.8 36.1 54.1

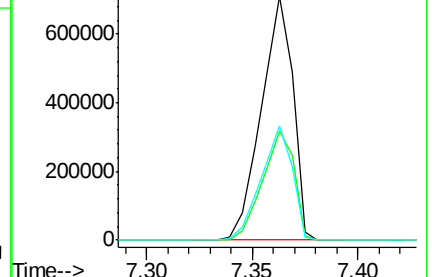
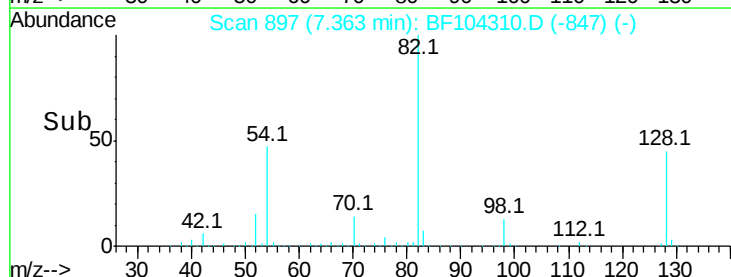
54 46.8 41.4 62.2

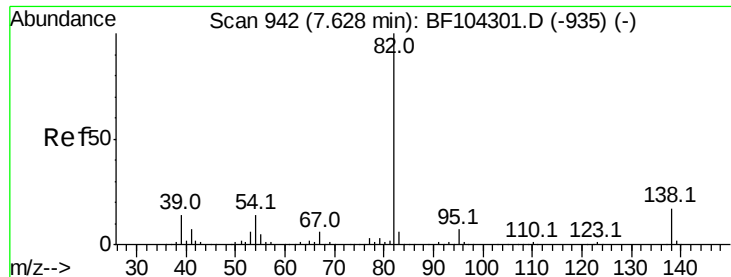


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.405 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104310.D

Acq: 6 Apr 2018 17:02

Instrument :

BNA_F

ClientSampled :

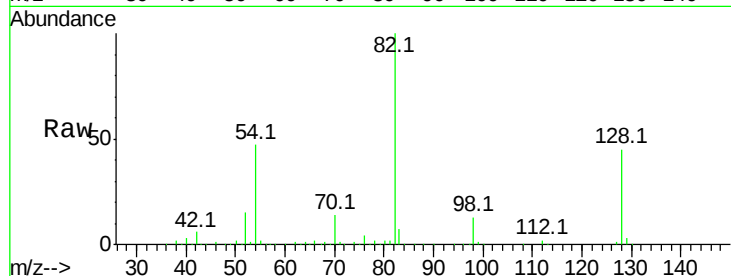
Tot Ion: 82 Resp: 736755

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

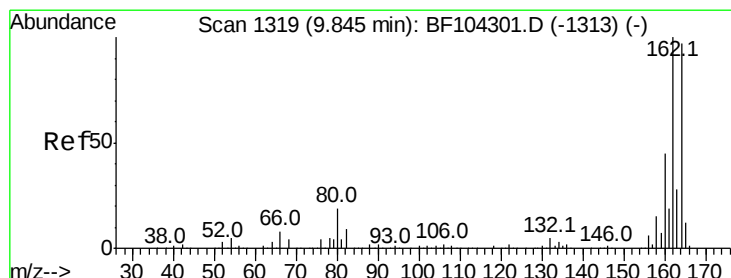
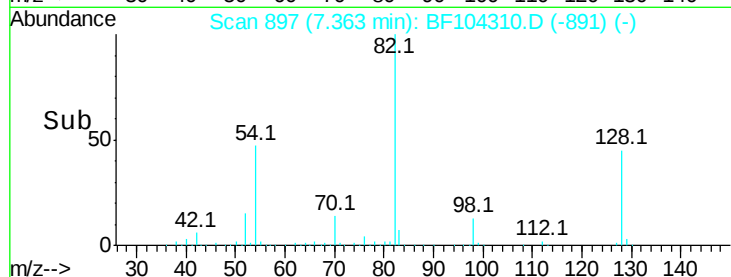
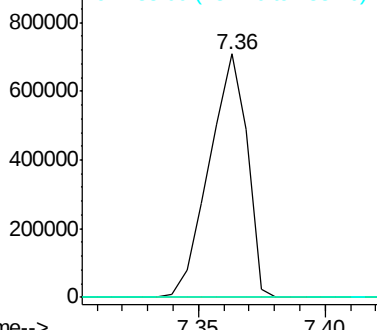
138 0.0 14.9 22.3#



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: BF104310.D

Acq: 6 Apr 2018 17:02

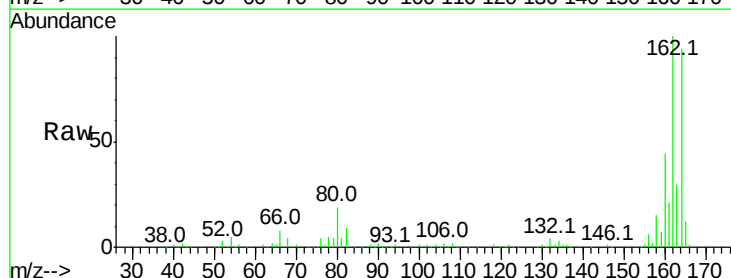
Tgt Ion:164 Resp: 255076

Ion Ratio Lower Upper

164 100

162 106.0 86.1 129.1

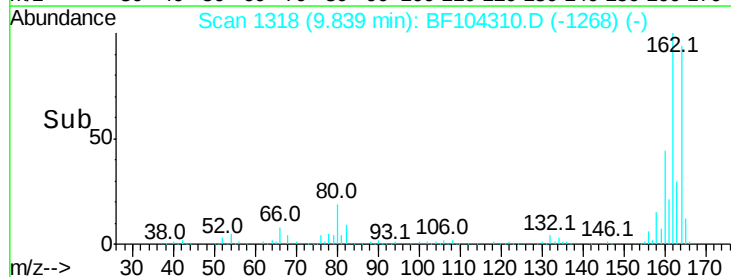
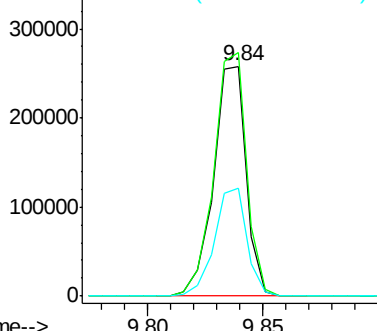
160 46.7 38.3 57.5



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: 119.172 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF104310.D

Acq: 6 Apr 2018 17:02

Instrument :

BNA_F

ClientSampleId :

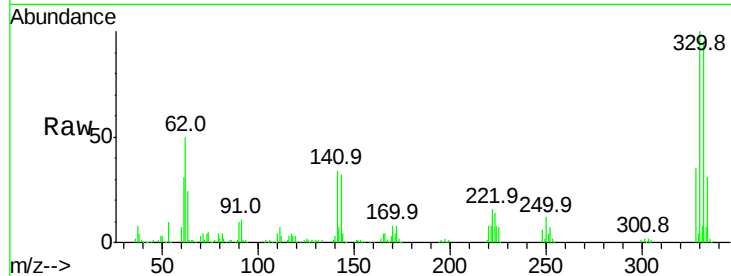
Tot Ion:330 Resp: 315325

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

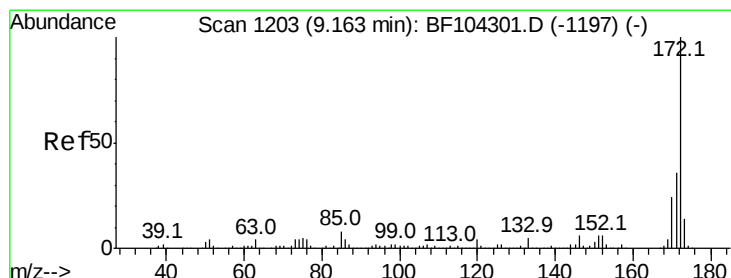
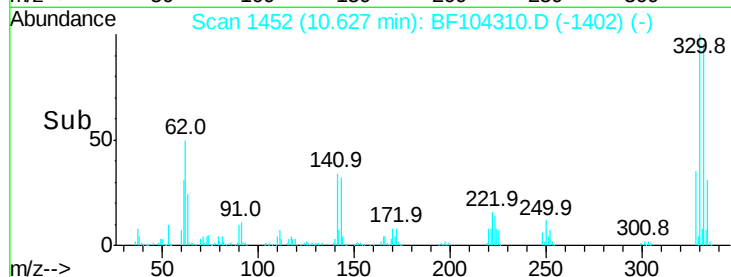
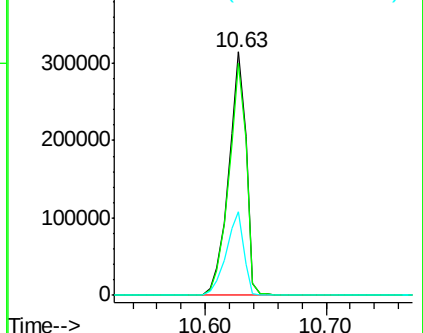
141 34.8 29.9 44.9



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



#44

2-Fluorobiphenyl

Concen: 82.558 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF104310.D

Acq: 6 Apr 2018 17:02

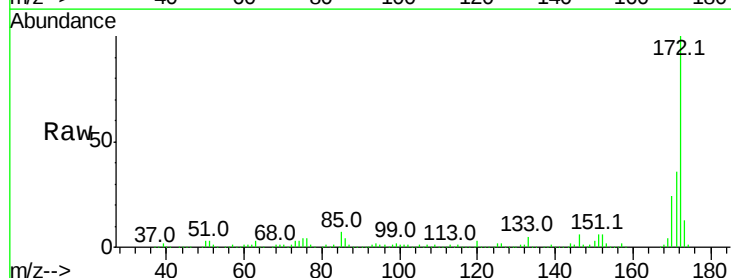
Tgt Ion:172 Resp: 1333033

Ion Ratio Lower Upper

172 100

171 36.0 29.7 44.5

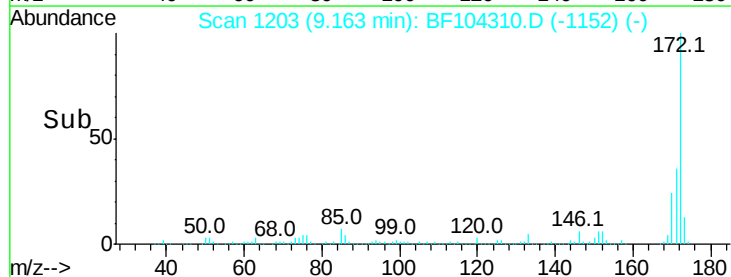
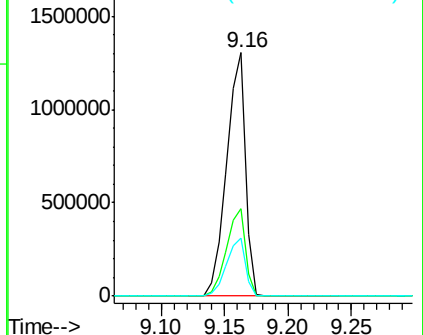
170 23.9 19.6 29.4

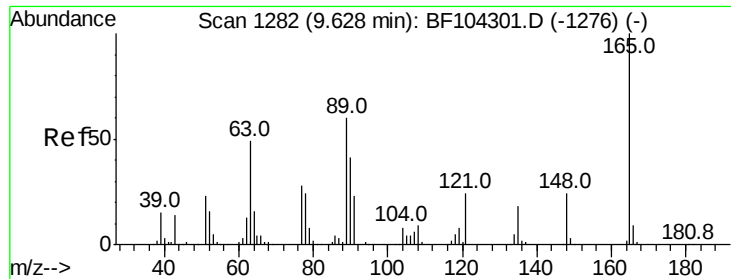


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

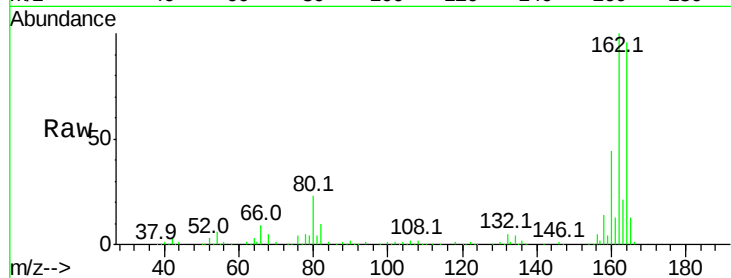




#50
 2,6-Dinitrotoluene
 Concen: 8.880 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.21 min
 Lab File: BF104310.D
 Acq: 6 Apr 2018 17:02

Instrument :
 BNA_F
 ClientSampleId :

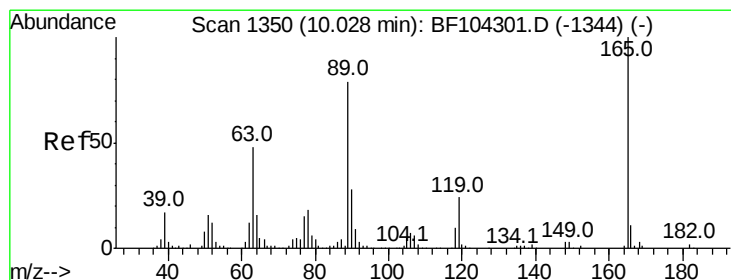
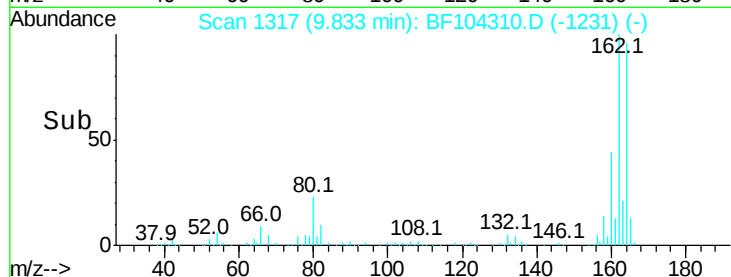
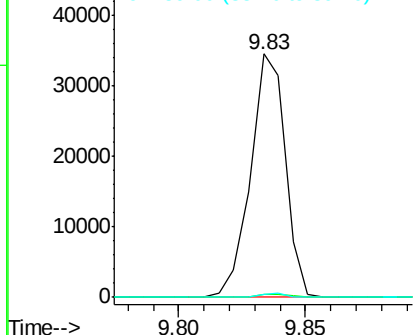
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.2	44.0	66.0#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.770 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BF104310.D
 Acq: 6 Apr 2018 17:02

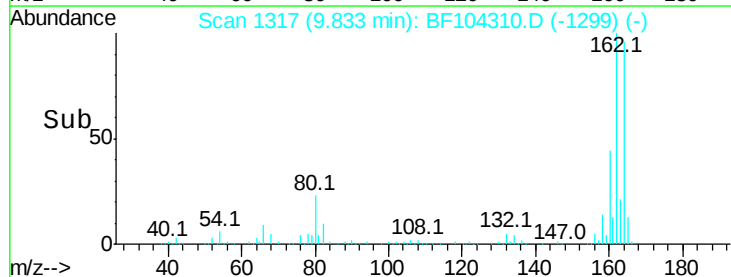
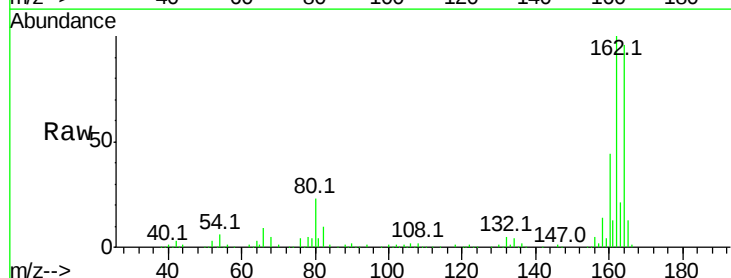
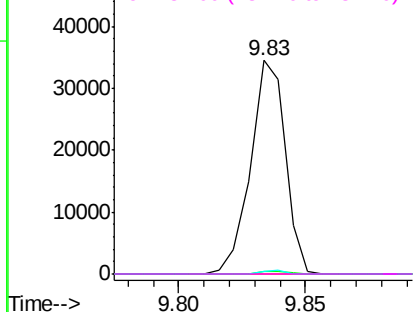
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

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

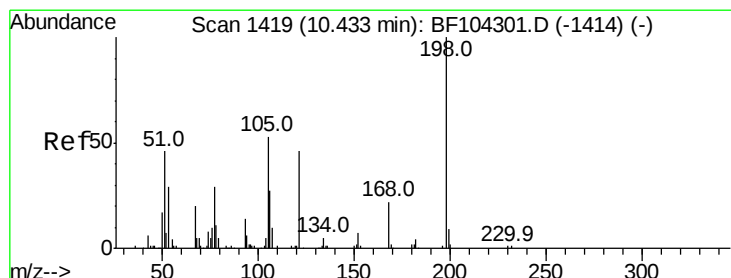
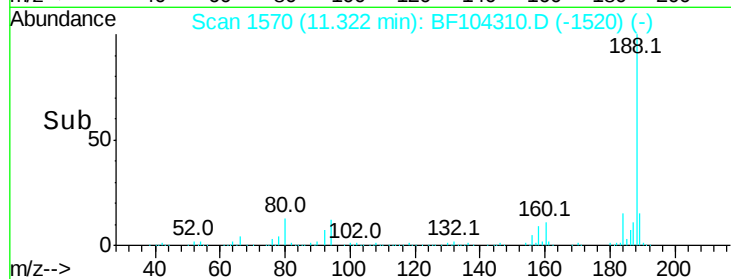
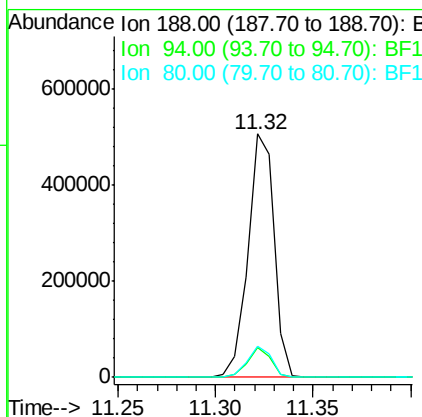
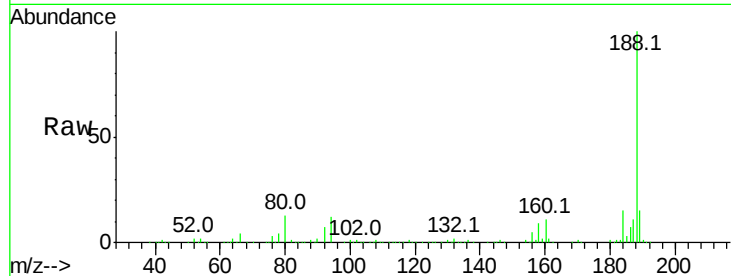




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

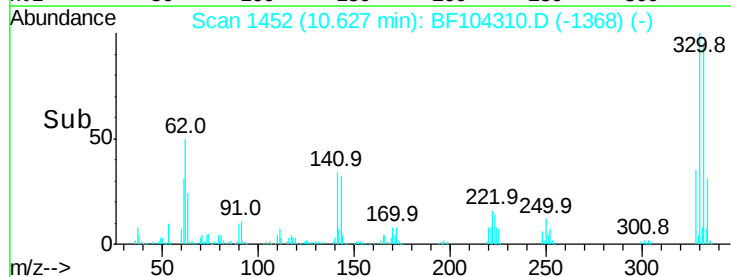
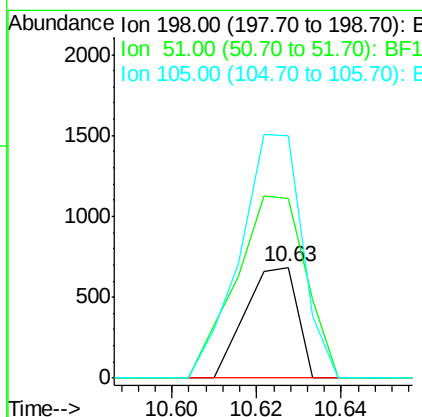
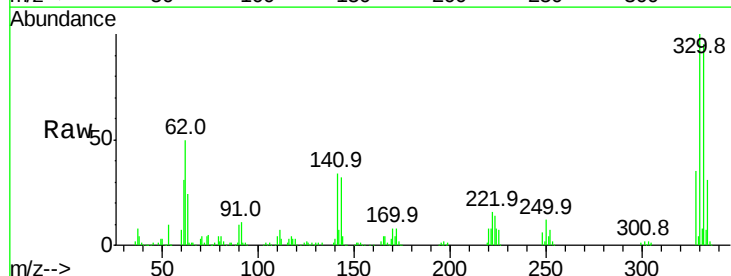
Instrument :
BNA_F
ClientSampleId :

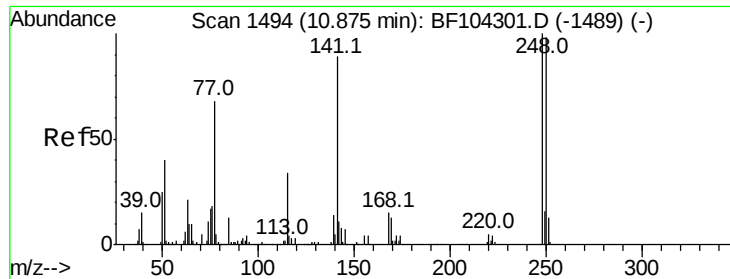
Tot Ion:188 Resp: 469893
Ion Ratio Lower Upper
188 100
94 12.1 8.5 12.7
80 12.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.564 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.19 min
Lab File: BF104310.D
Acq: 6 Apr 2018 17:02

Tgt Ion:198 Resp: 586
Ion Ratio Lower Upper
198 100
51 161.6 37.7 77.7#
105 218.0 36.3 76.3#

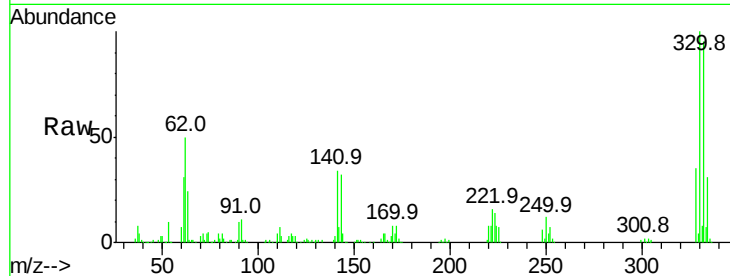




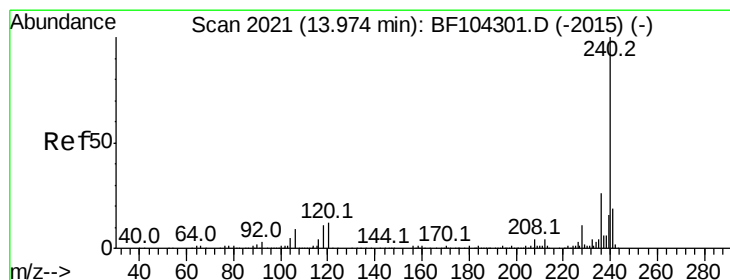
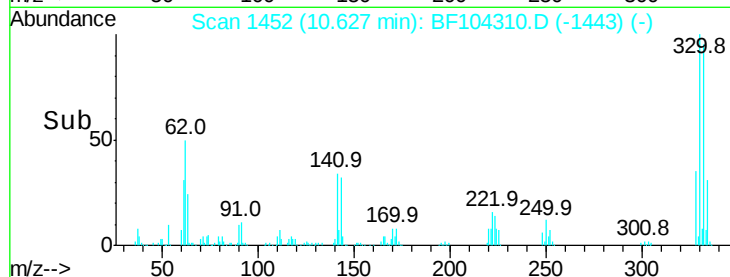
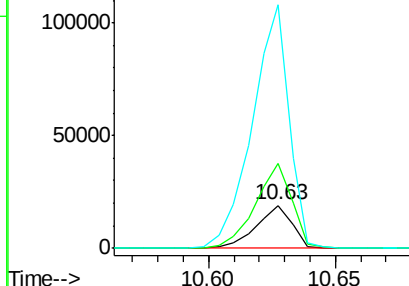
#66
 4-Bromophenyl-phenylether
 Concen: 3.775 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF104310.D
 Acq: 6 Apr 2018 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 18869
 Ion Ratio Lower Upper
 248 100
 250 198.0 76.9 115.3#
 141 566.0 74.4 111.6#

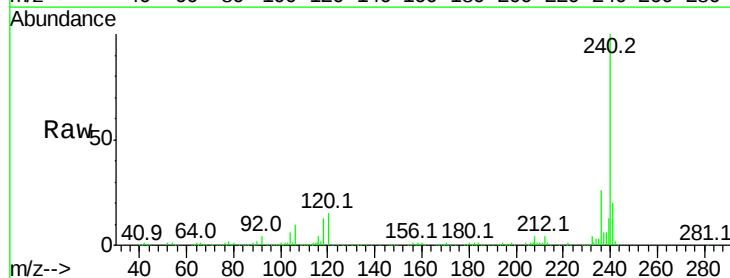


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

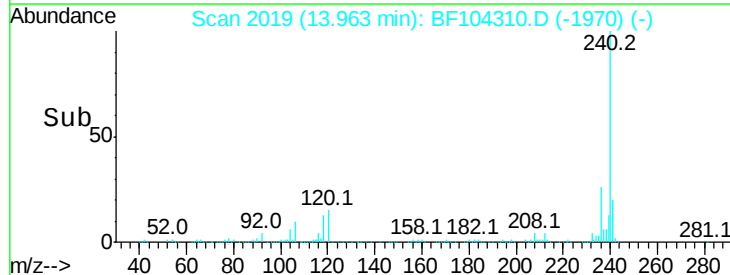
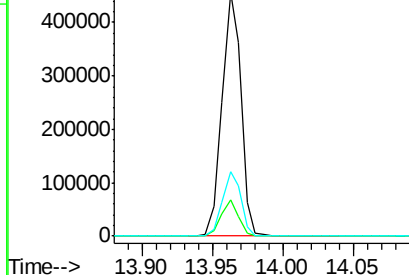


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF104310.D
 Acq: 6 Apr 2018 17:02

Tgt Ion:240 Resp: 425943
 Ion Ratio Lower Upper
 240 100
 120 14.8 9.5 14.3#
 236 26.2 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: 76.996 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104310.D

Acq: 6 Apr 2018 17:02

Instrument :

BNA_F

ClientSampleId :

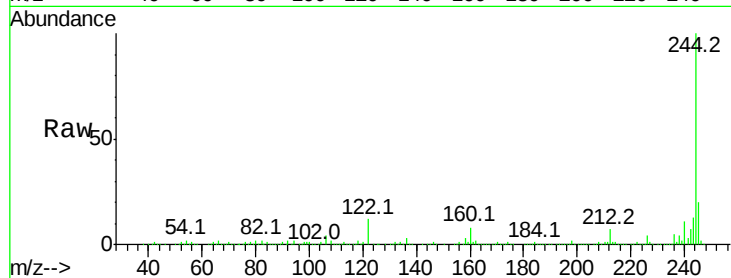
Tot Ion:244 Resp: 1438516

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

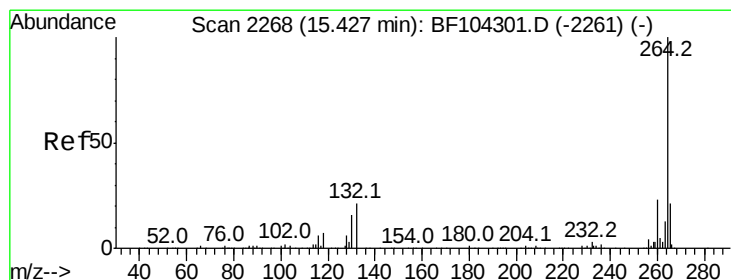
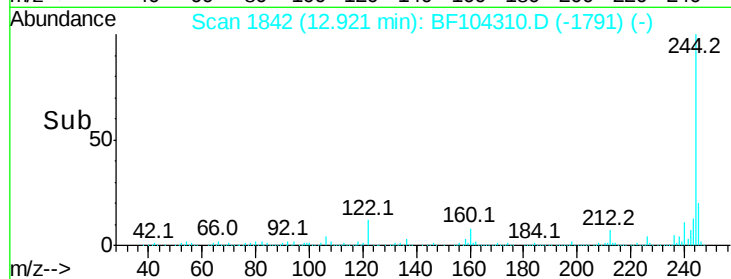
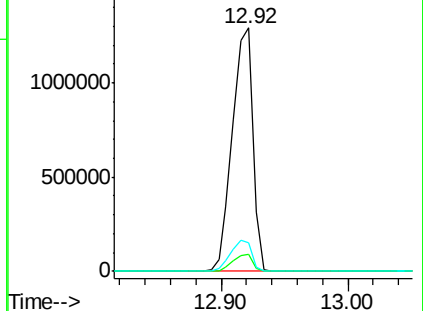
122 11.9 11.0 16.4



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: BF104310.D

Acq: 6 Apr 2018 17:02

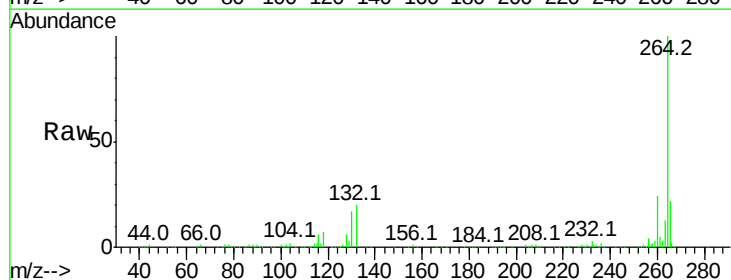
Tgt Ion:264 Resp: 346415

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.7 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

