

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104539.D
 Acq On : 16 Apr 2018 18:14
 Operator : JU/SJ
 Sample : PB108254BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 18:45:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

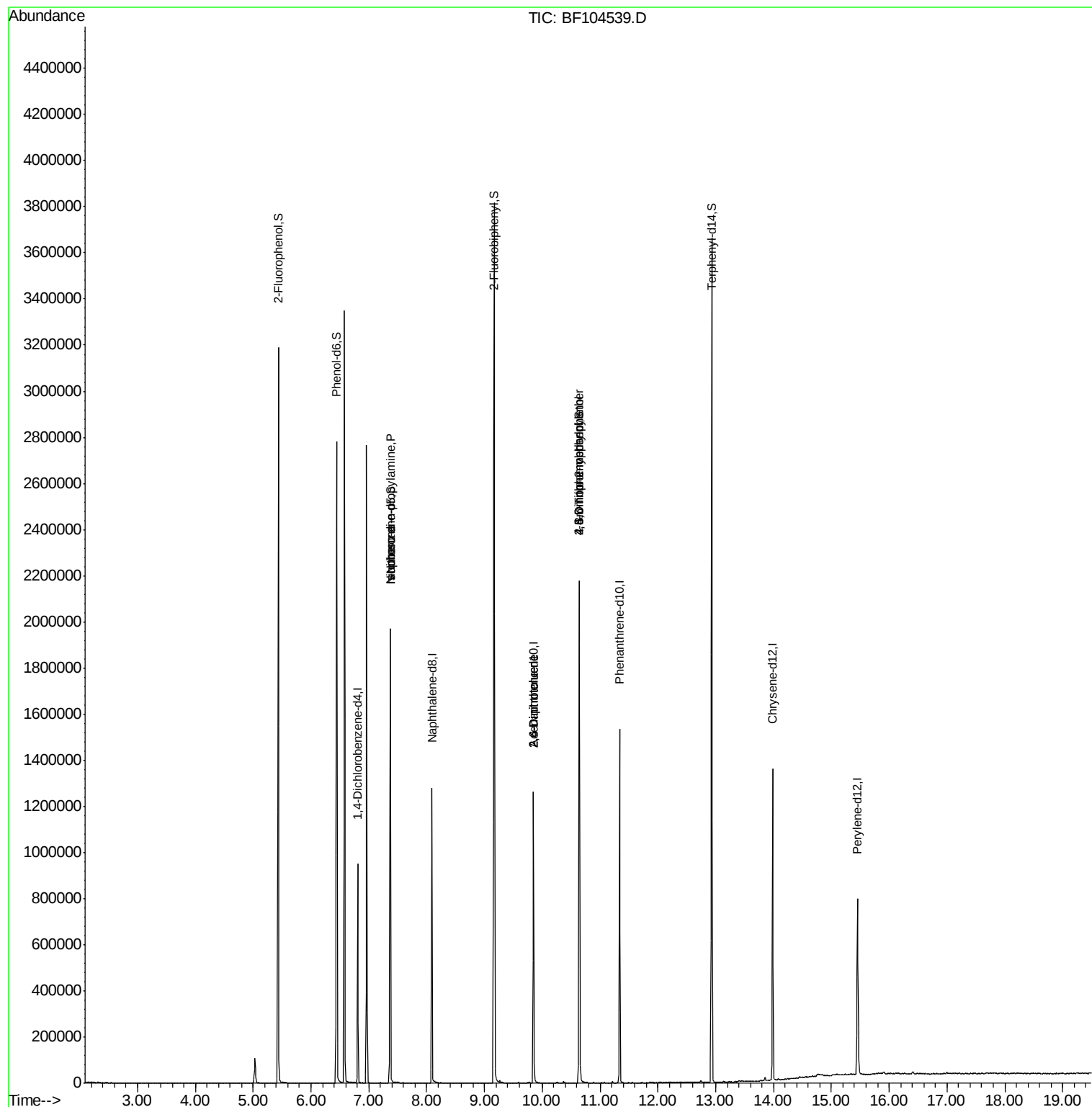
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	141396	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	590729	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	278069	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	523588	20.00	ng	0.00
75) Chrysene-d12	13.99	240	449226	20.00	ng	0.00
86) Perylene-d12	15.46	264	365696	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	938580	101.50	ng	0.01
7) Phenol-d6	6.45	99	1152960	101.48	ng	0.00
23) Nitrobenzene-d5	7.37	82	713666	78.89	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	304956	105.72	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1271600	72.24	ng	0.00
78) Terphenyl-d14	12.93	244	1344908	68.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	93513	12.595	ng	# 70
25) Isophorone	7.37	82	708812	37.052	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	34841	8.587	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	34841	6.546	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	612	7.550	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	17943	3.222	ng	# 1
76) Benzidine	12.93	184	17600	Below Cal		99

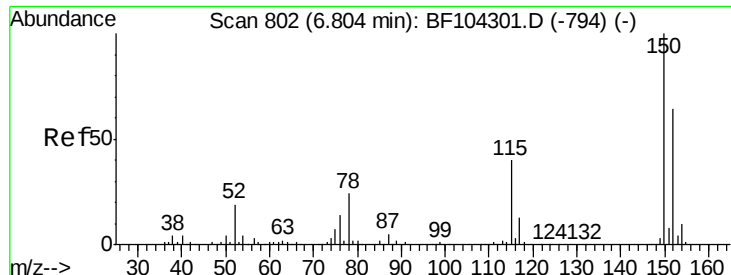
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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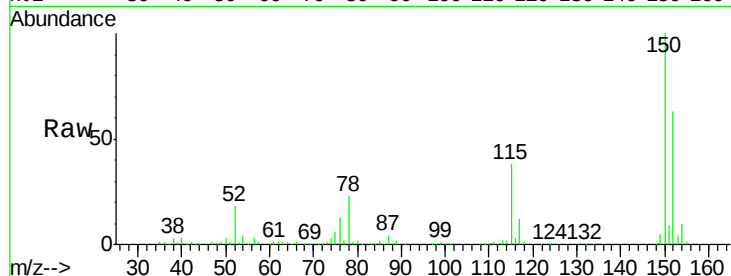


#1

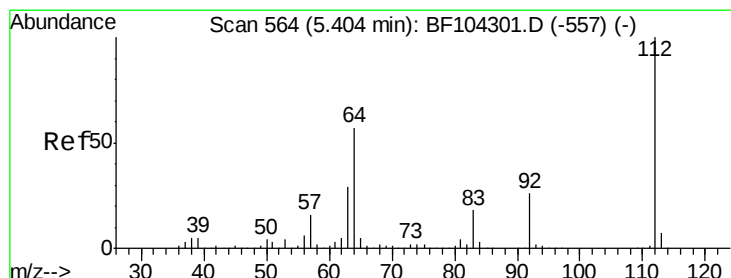
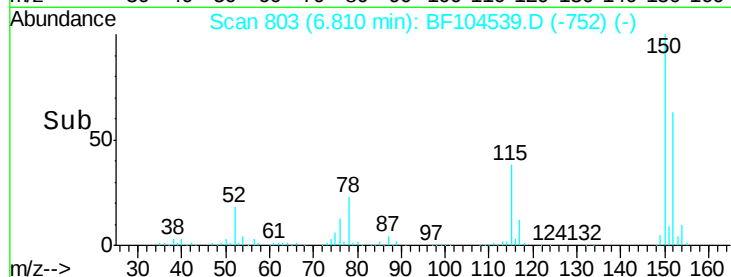
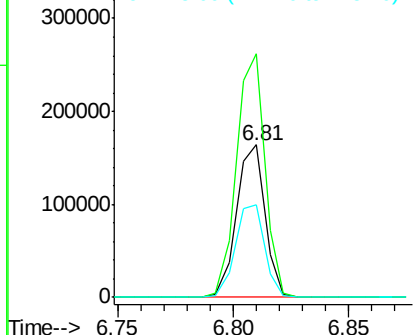
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104539.D
Acq: 16 Apr 2018 18:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	60.6	50.1	75.1



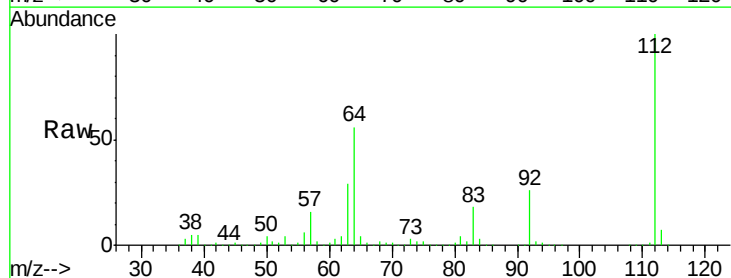
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



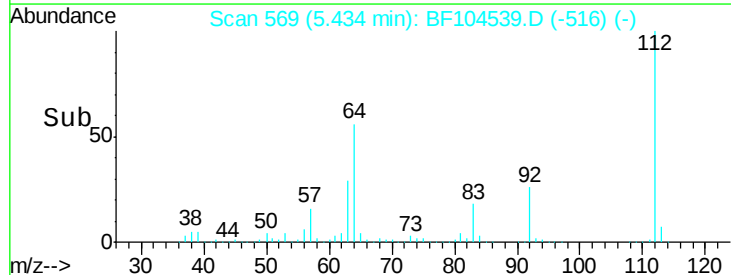
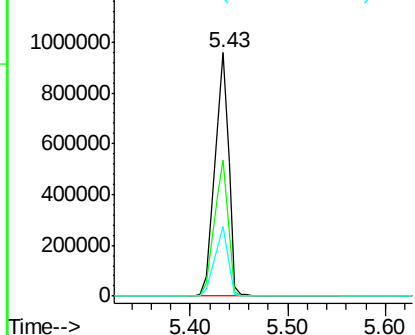
#5

2-Fluorophenol
Concen: 101.498 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF104539.D
Acq: 16 Apr 2018 18:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	28.7	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: 101.476 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF104539.D

Acq: 16 Apr 2018 18:14

Instrument :

BNA_F

ClientSampled :

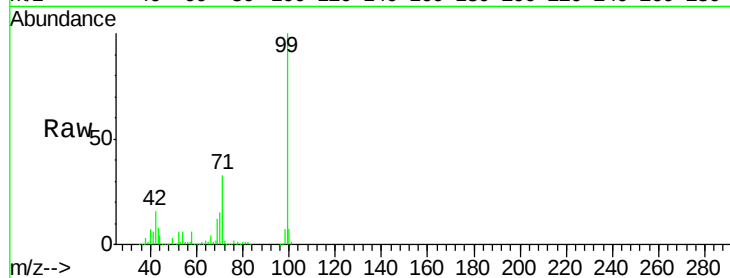
Tot Ion: 99 Resp: 1152960

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

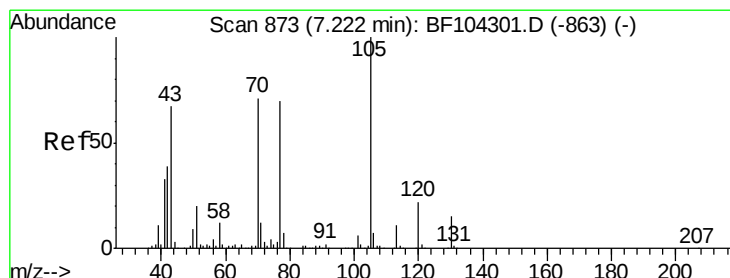
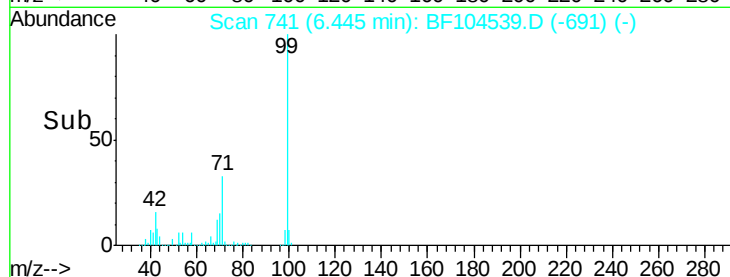
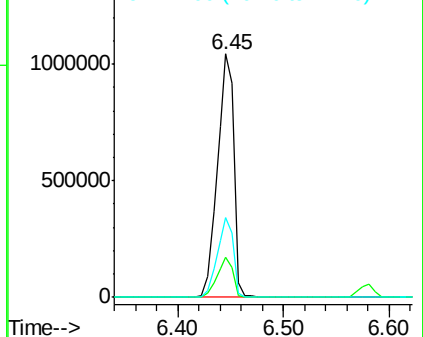
71 32.9 25.4 38.0



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: 12.595 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104539.D

Acq: 16 Apr 2018 18:14

Tgt Ion: 70 Resp: 93513

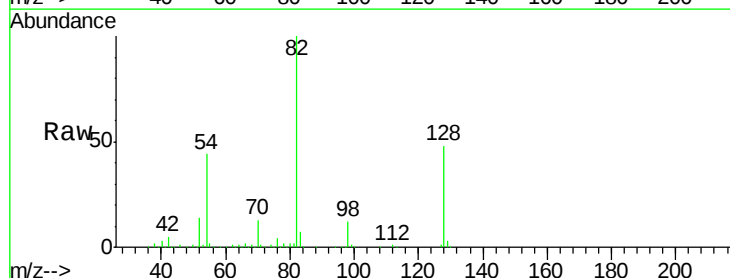
Ion Ratio Lower Upper

70 100

42 39.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

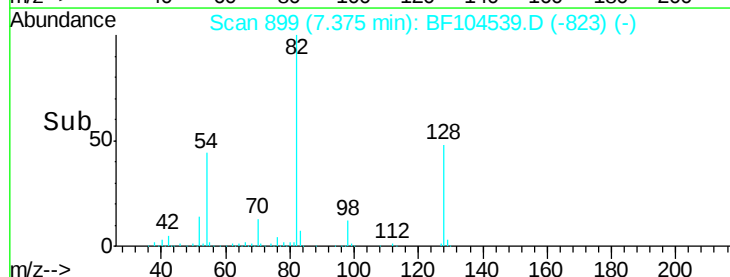
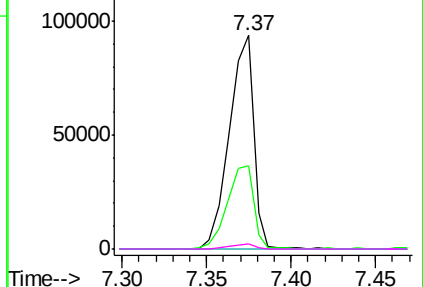


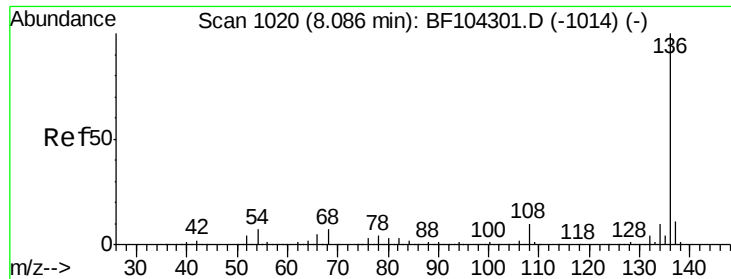
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

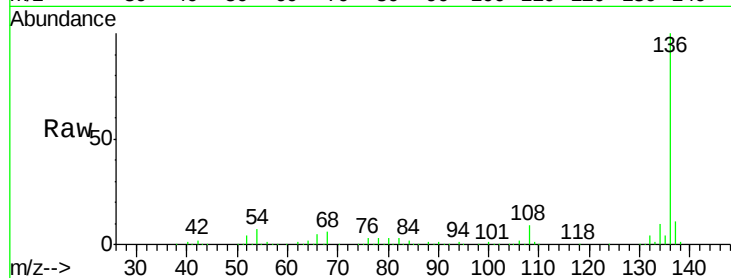




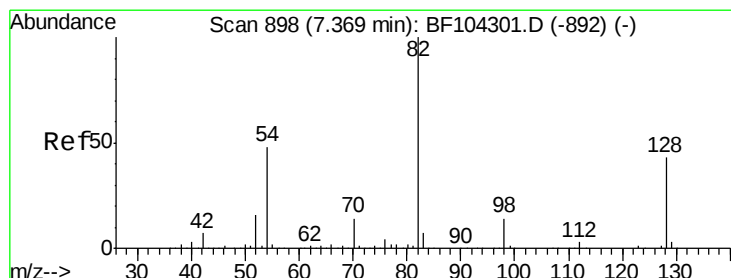
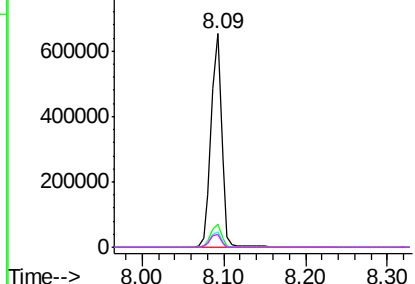
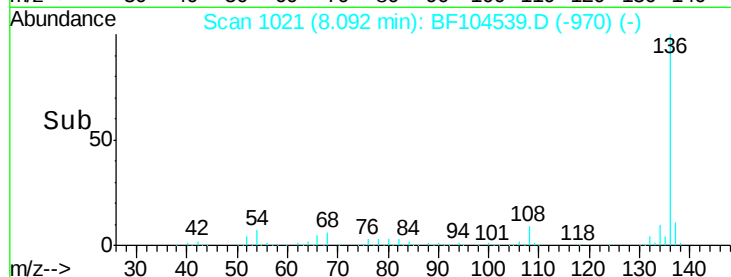
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104539.D
Acq: 16 Apr 2018 18:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	590729
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	7.1	6.6 9.8
68	6.3	5.0 7.4

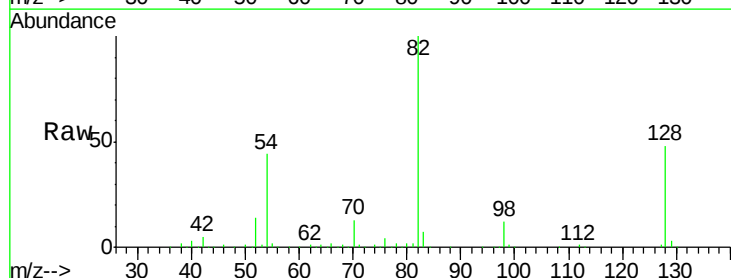


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

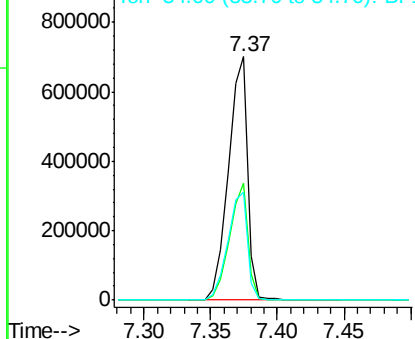
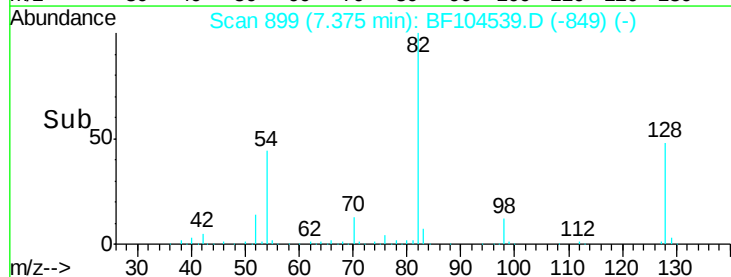


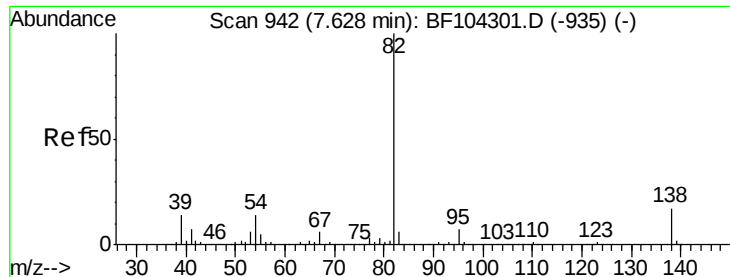
#23
Nitrobenzene-d5
Concen: 78.887 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104539.D
Acq: 16 Apr 2018 18:14

Tgt Ion: 82	Resp:	713666
Ion Ratio	Lower	Upper
82	100	
128	47.8	36.1 54.1
54	44.2	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: 37.052 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104539.D

Acq: 16 Apr 2018 18:14

Instrument :

BNA_F

ClientSampled :

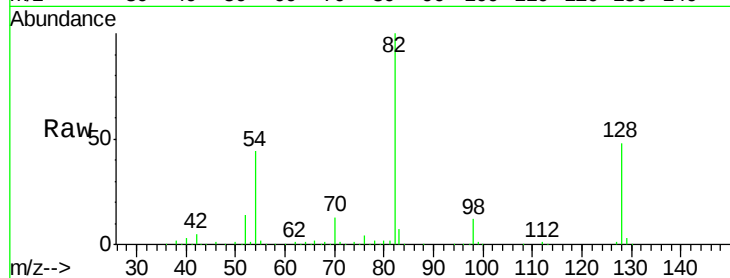
Tot Ion: 82 Resp: 708812

Ion Ratio Lower Upper

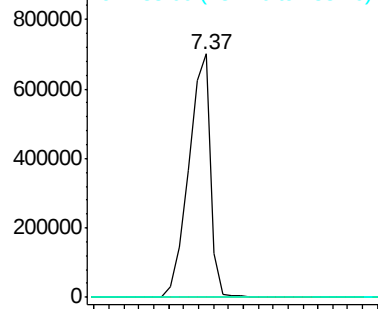
82 100

95 0.0 5.2 7.8#

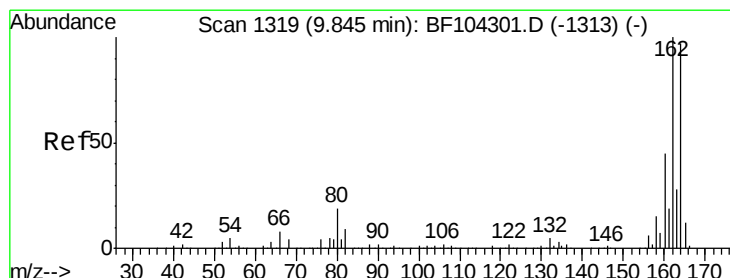
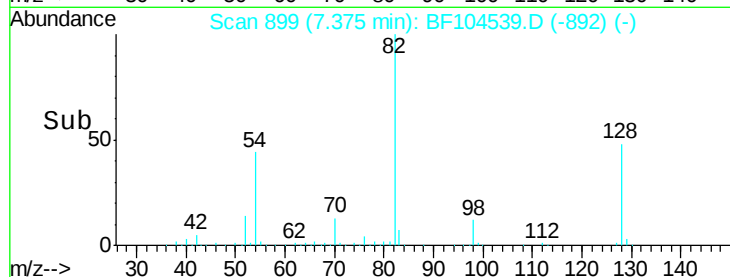
138 0.0 14.9 22.3#



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



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104539.D

Acq: 16 Apr 2018 18:14

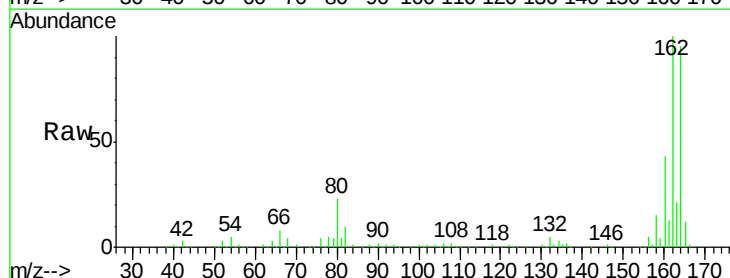
Tgt Ion: 164 Resp: 278069

Ion Ratio Lower Upper

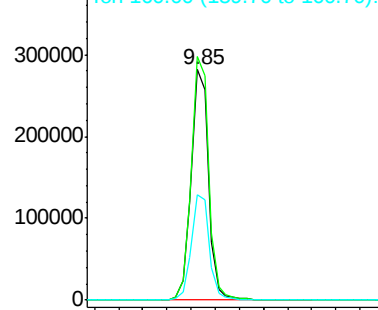
164 100

162 105.7 86.1 129.1

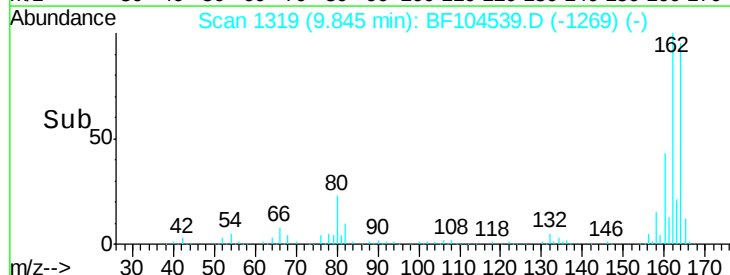
160 45.8 38.3 57.5

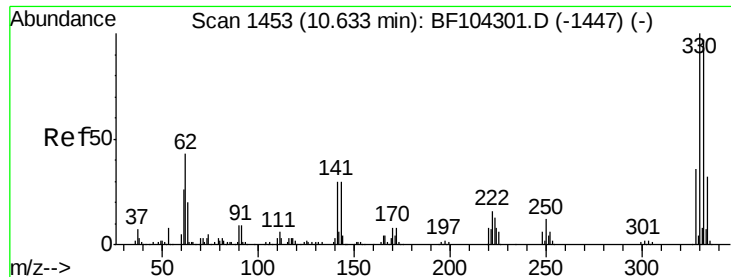


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

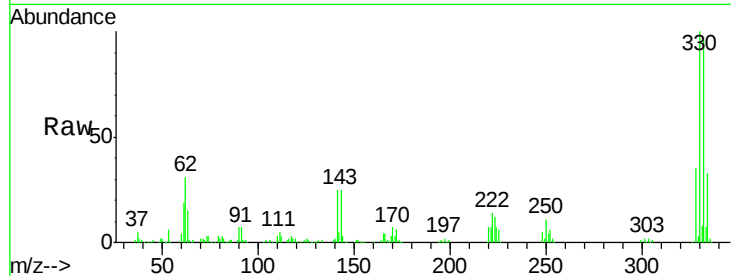




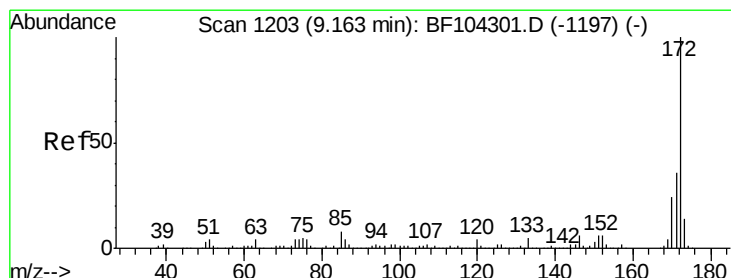
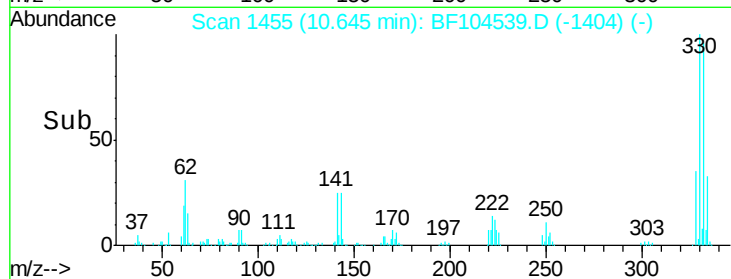
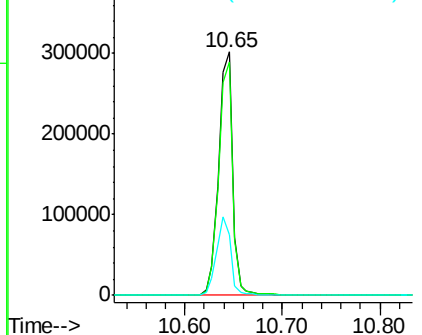
#41
 2,4,6-Tribromophenol
 Concen: 105.723 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF104539.D
 Acq: 16 Apr 2018 18:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	32.5	29.9	44.9

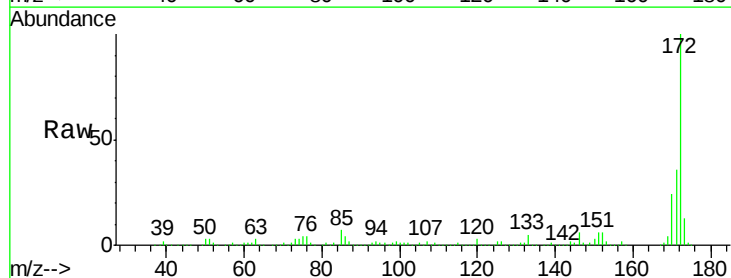


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

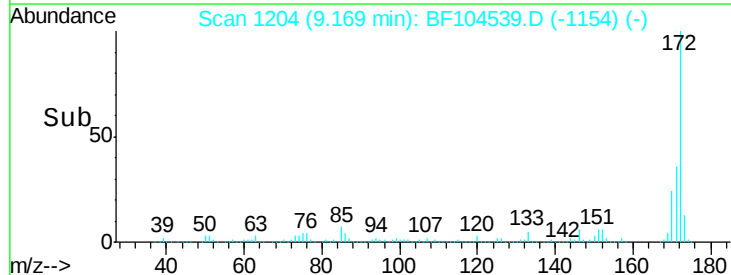
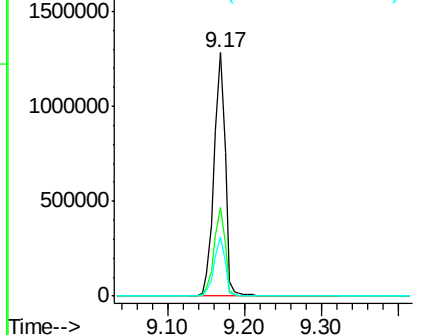


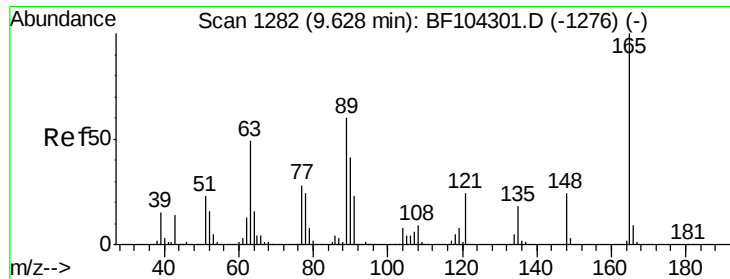
#44
 2-Fluorobiphenyl
 Concen: 72.241 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104539.D
 Acq: 16 Apr 2018 18:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.3	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

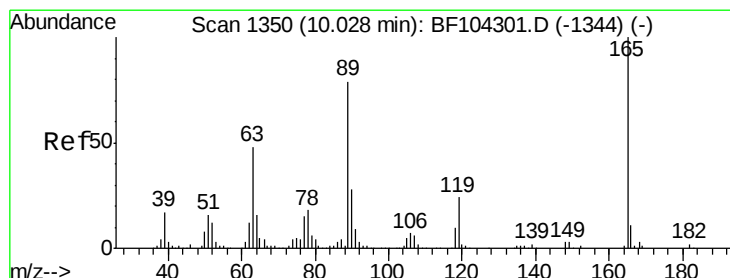
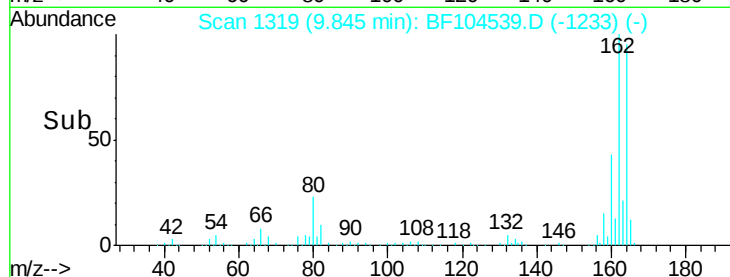
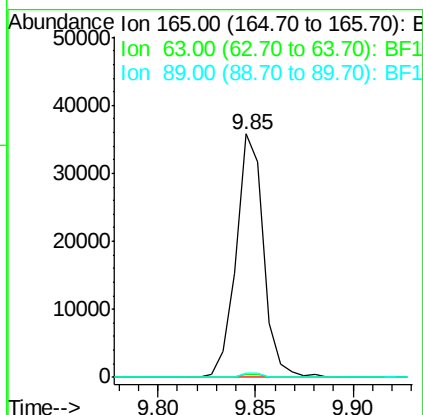
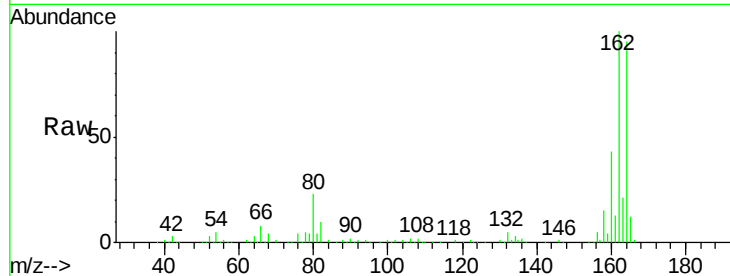




#50
 2,6-Dinitrotoluene
 Concen: 8.587 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104539.D
 Acq: 16 Apr 2018 18:14

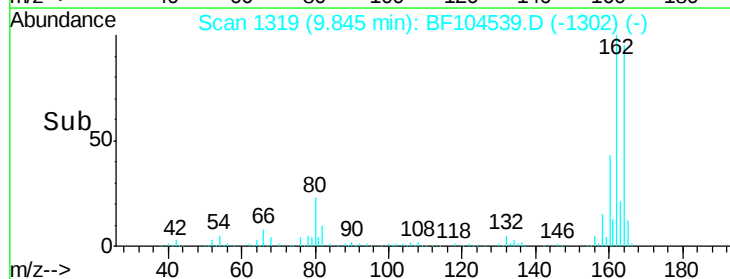
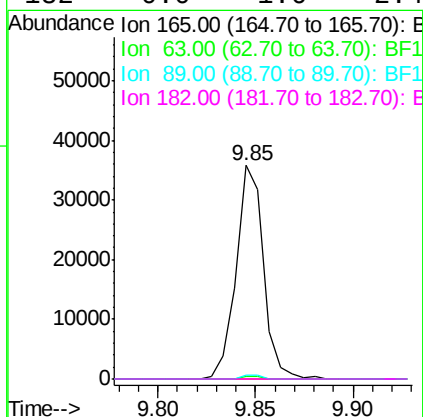
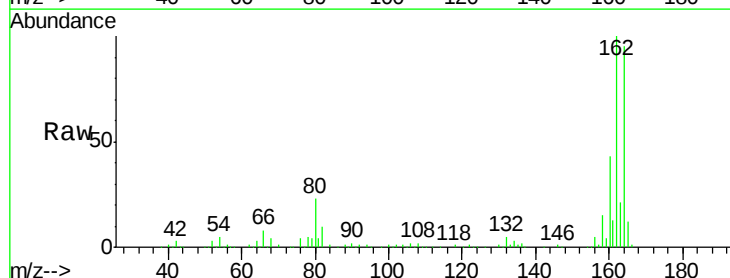
Instrument :
 BNA_F
 ClientSampleId :

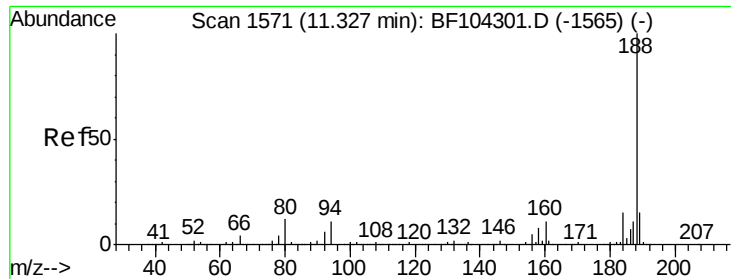
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.7	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.546 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104539.D
 Acq: 16 Apr 2018 18:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

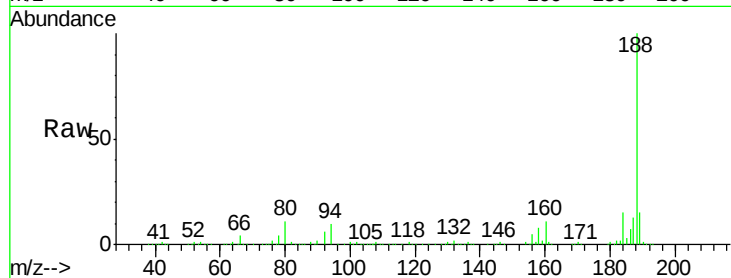




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF104539.D
Acq: 16 Apr 2018 18:14

Instrument :
BNA_F
ClientSampleId :

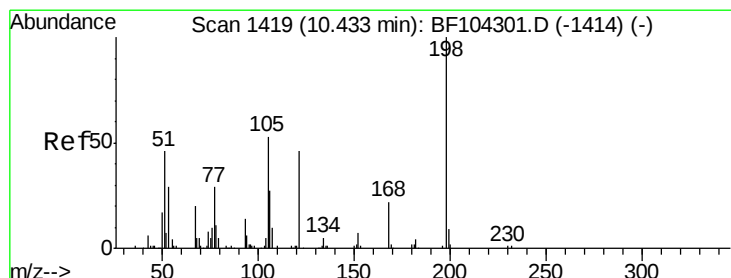
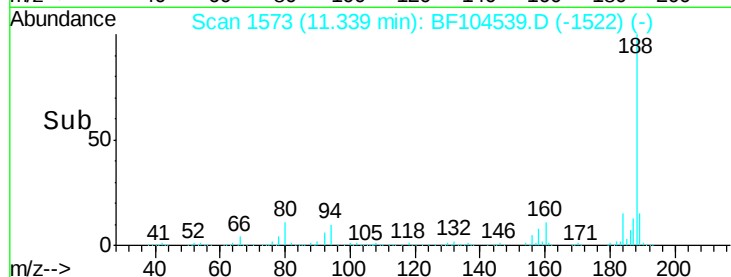
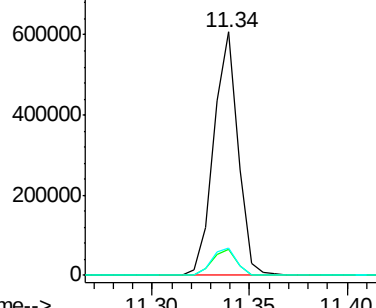
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.3	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

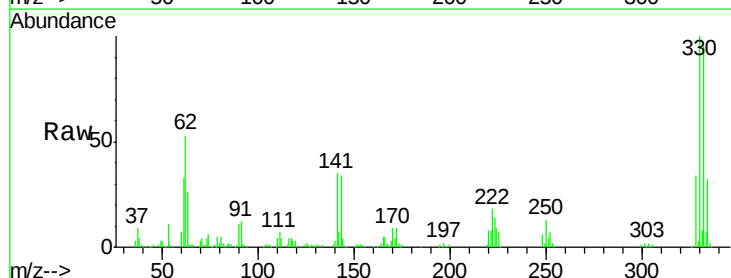
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64
4,6-Dinitro-2-methylphenol
Concen: 7.550 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.19 min
Lab File: BF104539.D
Acq: 16 Apr 2018 18:14

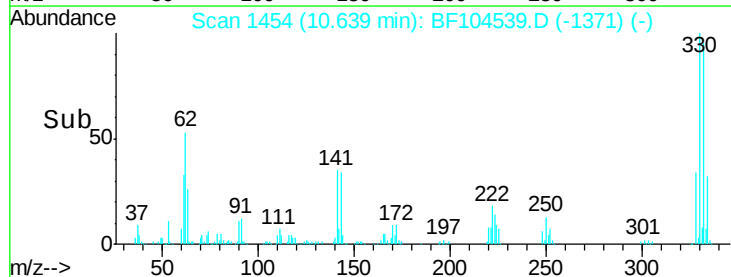
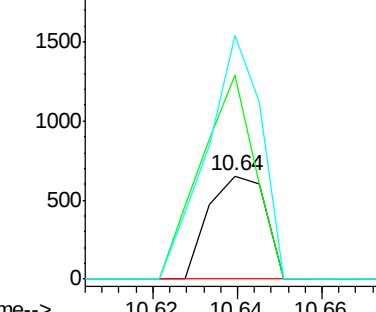
Tgt Ion	Ratio	Lower	Upper
198	100		
51	197.6	37.7	77.7#
105	235.5	36.3	76.3#

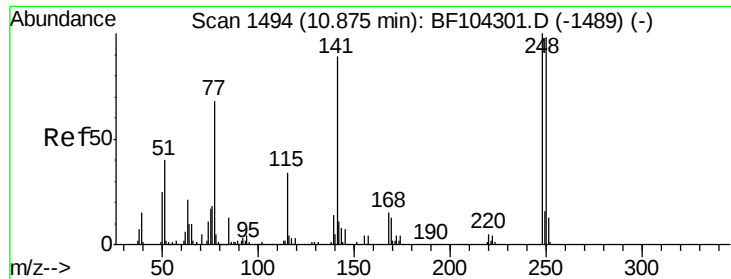


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

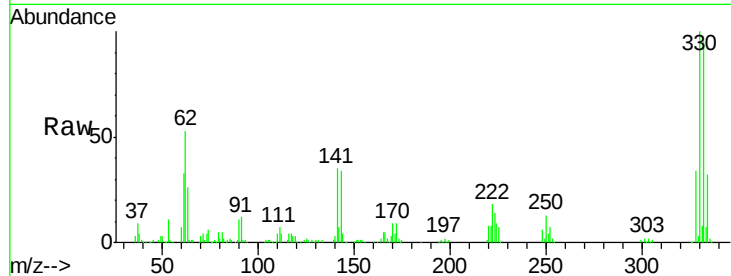




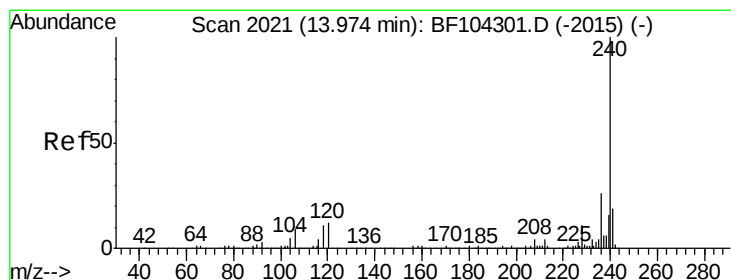
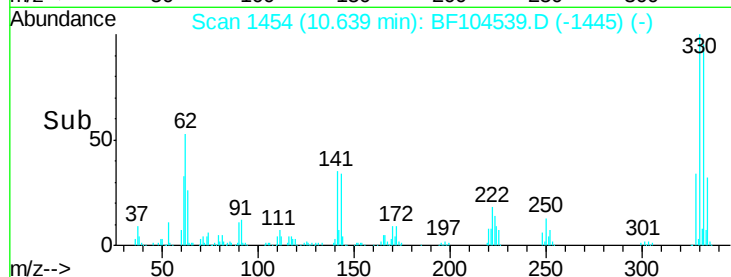
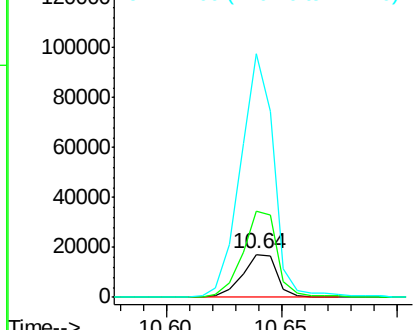
#66
4-Bromophenyl-phenylether
Concen: 3.222 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF104539.D
Acq: 16 Apr 2018 18:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17943
Ion Ratio Lower Upper
248 100
250 202.2 76.9 115.3#
141 570.7 74.4 111.6#

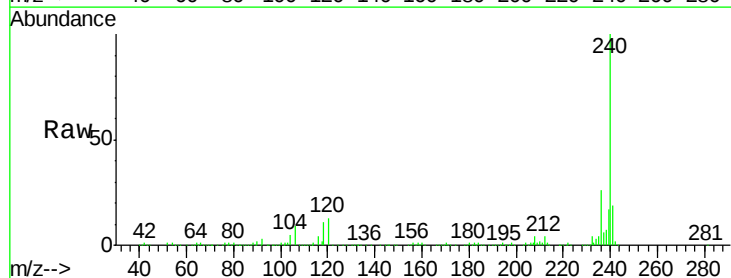


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

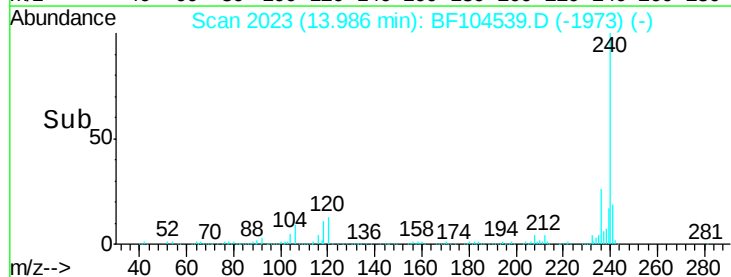
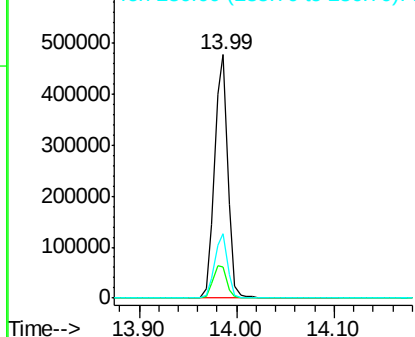


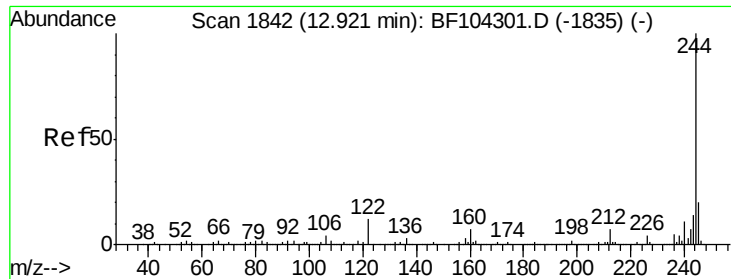
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF104539.D
Acq: 16 Apr 2018 18:14

Tgt Ion:240 Resp: 449226
Ion Ratio Lower Upper
240 100
120 12.7 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

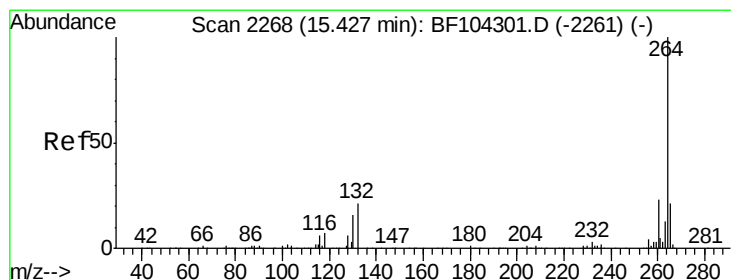
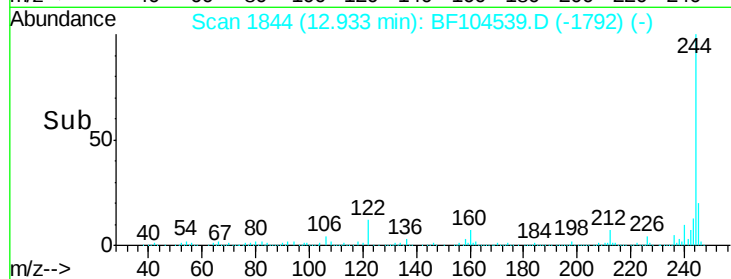
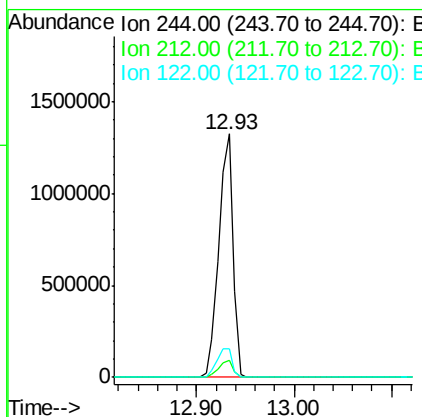
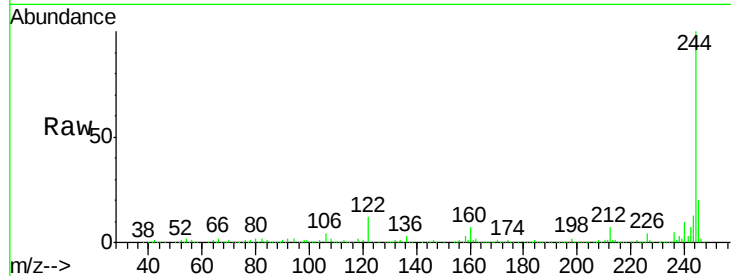




#78
 Terphenyl-d14
 Concen: 68.254 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: BF104539.D
 Acq: 16 Apr 2018 18:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1344908
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: BF104539.D
 Acq: 16 Apr 2018 18:14

Tgt Ion:264 Resp: 365696
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.4 17.5 26.3

