

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104467.D
 Acq On : 12 Apr 2018 22:30
 Operator : JU/SJ
 Sample : J2337-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 00:18:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

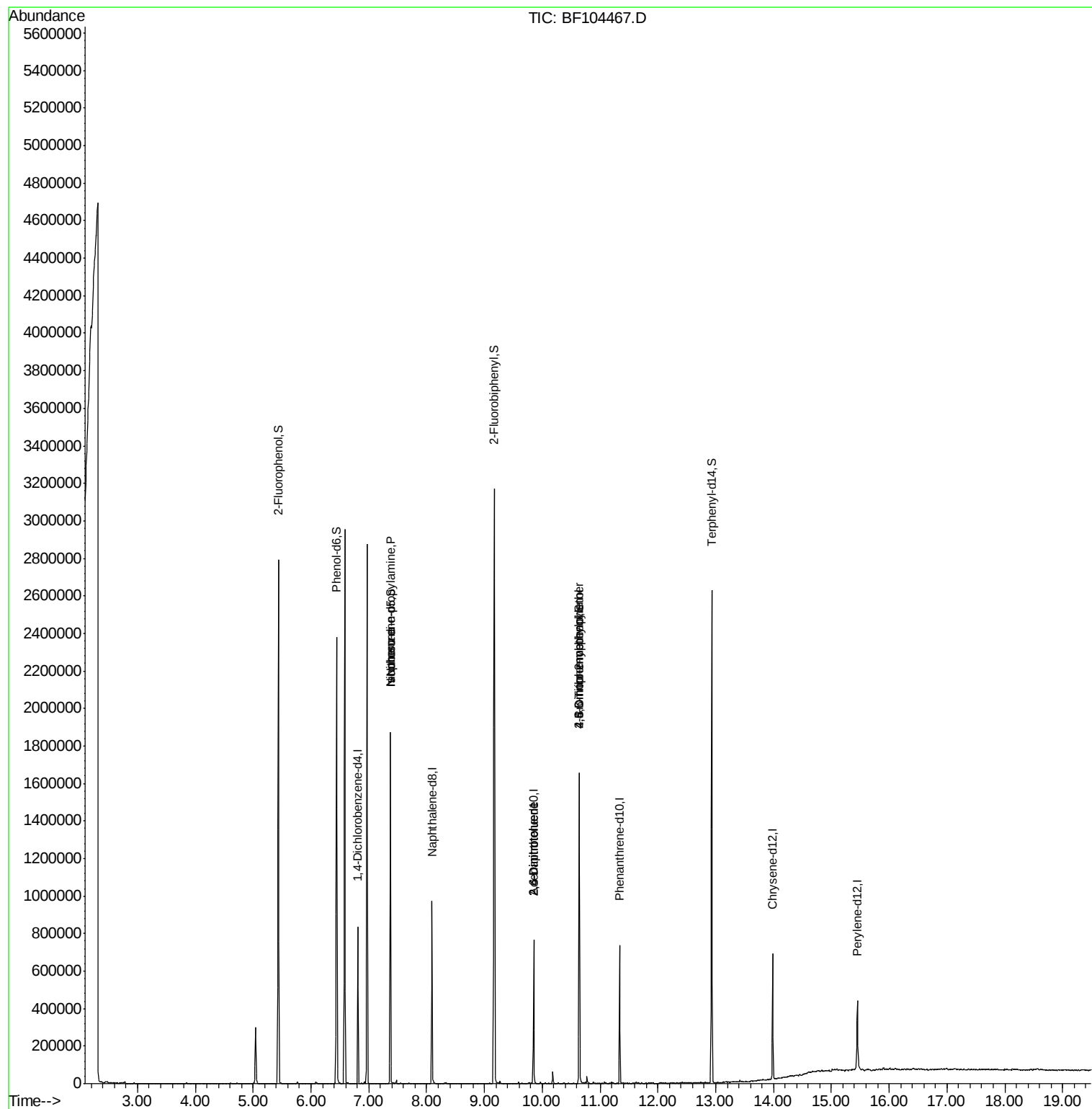
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	109382	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	399155	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	148767	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	243636	20.00	ng	0.00
75) Chrysene-d12	13.99	240	214988	20.00	ng	0.00
86) Perylene-d12	15.45	264	157667	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	835825	116.84	ng	0.02
7) Phenol-d6	6.45	99	904891	102.95	ng	0.00
23) Nitrobenzene-d5	7.37	82	662504	108.38	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	205708	133.30	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1093360	116.10	ng	0.00
78) Terphenyl-d14	12.93	244	952666	101.02	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	1421	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	87142	15.172 ng	#	75
25) Isophorone	7.37	82	662497	51.251 ng	#	64
50) 2,6-Dinitrotoluene	9.85	165	18581	8.560 ng	#	25
56) 2,4-Dinitrotoluene	9.85	165	18581	6.526 ng	#	22
64) 4,6-Dinitro-2-methylphenol	10.64	198	368	7.610 ng	#	1
66) 4-Bromophenyl-phenylether	10.64	248	12630	4.874 ng	#	1
76) Benzidine	12.93	184	12290	Below Cal		98

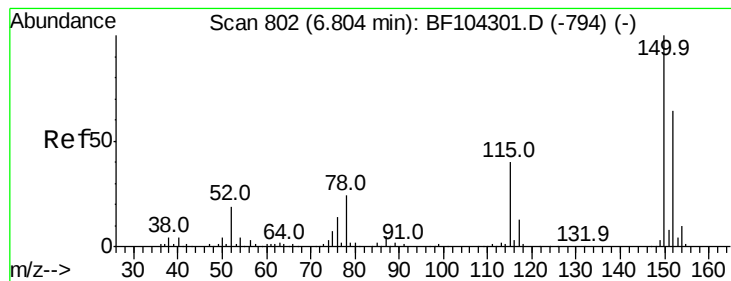
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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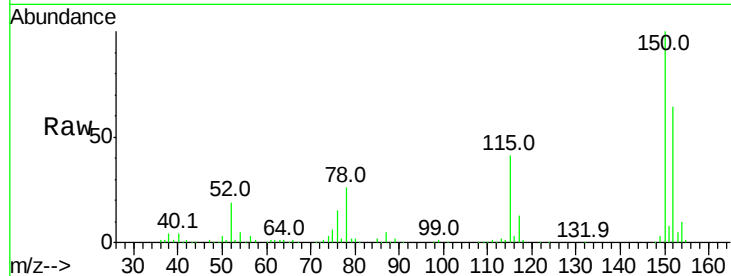


#1

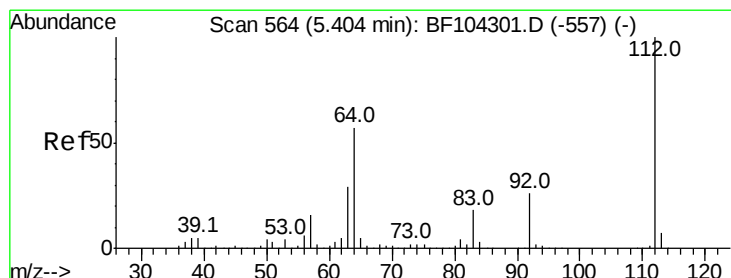
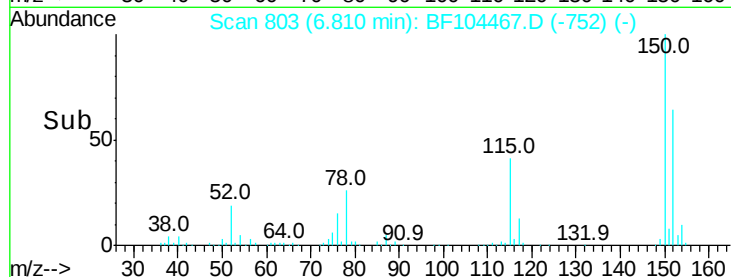
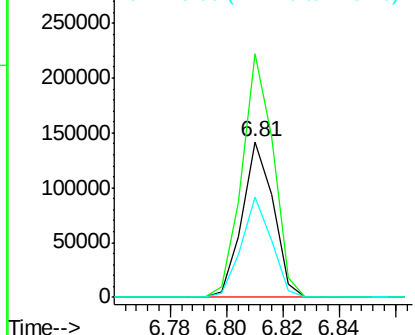
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104467.D
Acq: 12 Apr 2018 22:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 109382
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 64.6 50.1 75.1



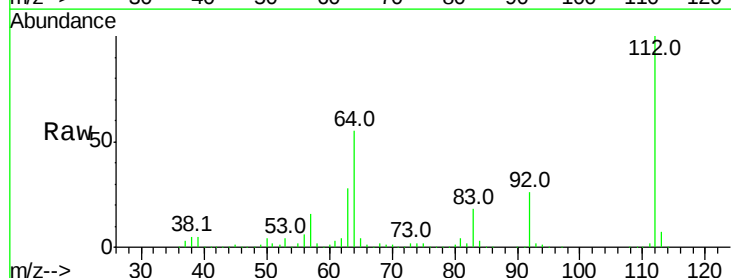
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



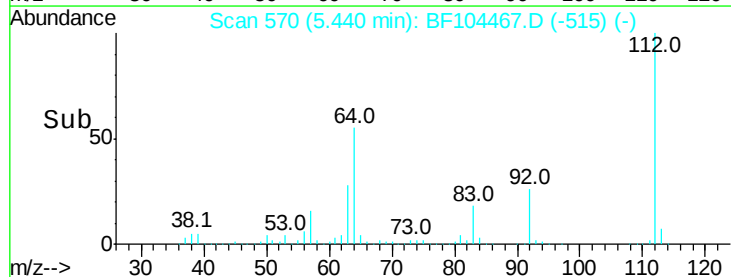
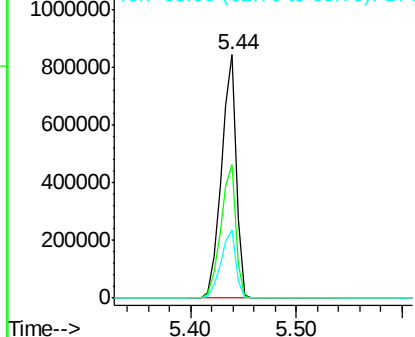
#5

2-Fluorophenol
Concen: 116.840 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF104467.D
Acq: 12 Apr 2018 22:30

Tgt Ion:112 Resp: 835825
Ion Ratio Lower Upper
112 100
64 55.0 47.9 71.9
63 28.2 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: 102.952 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104467.D

Acq: 12 Apr 2018 22:30

Instrument :

BNA_F

ClientSampled :

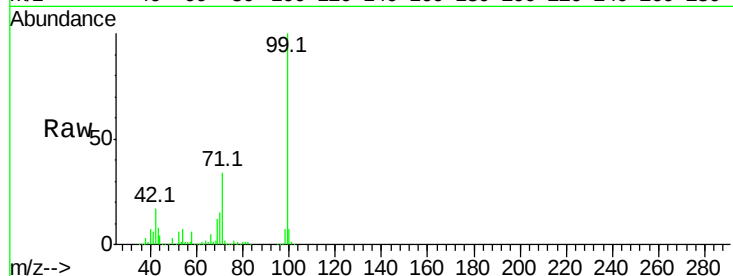
Tot Ion: 99 Resp: 904891

Ion Ratio Lower Upper

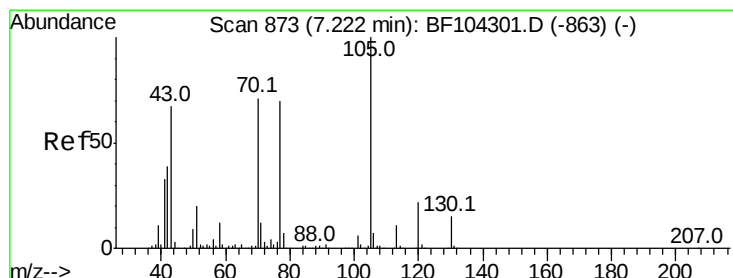
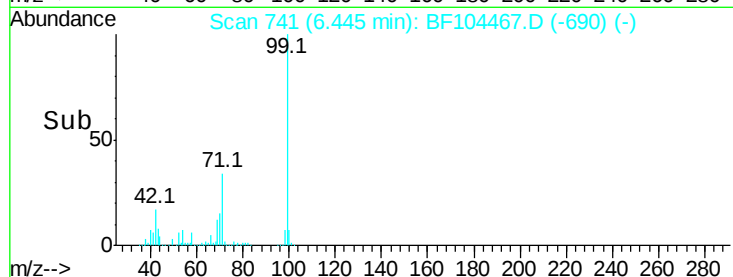
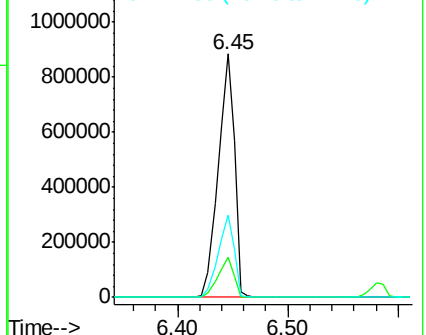
99 100

42 16.6 14.5 21.7

71 33.8 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: 15.172 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104467.D

Acq: 12 Apr 2018 22:30

Tgt Ion: 70 Resp: 87142

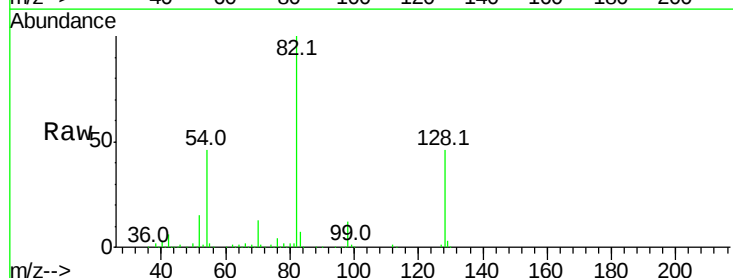
Ion Ratio Lower Upper

70 100

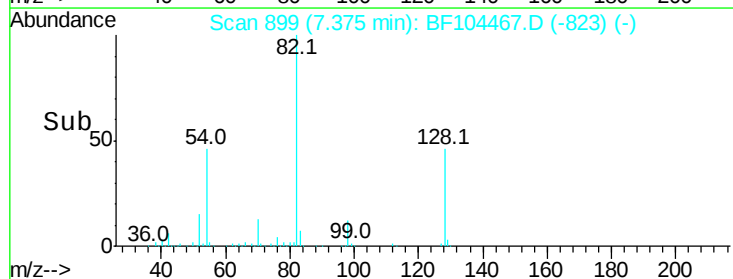
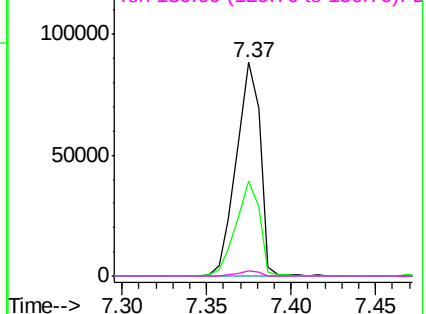
42 44.4 47.5 71.3#

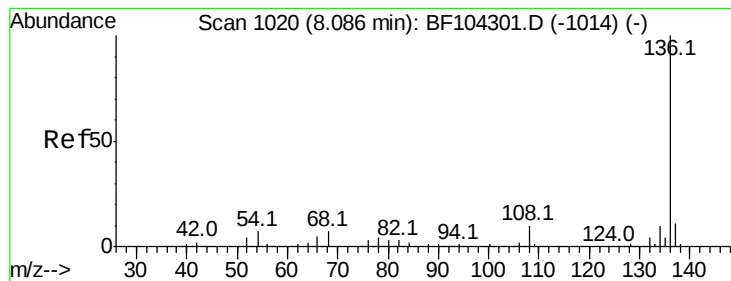
101 0.0 7.4 11.2#

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104467.D

Acq: 12 Apr 2018 22:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 399155

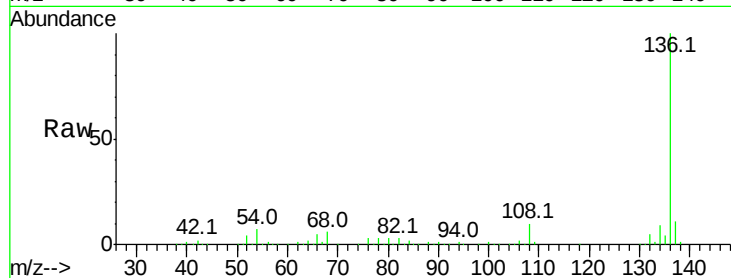
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.9 6.6 9.8

68 5.6 5.0 7.4

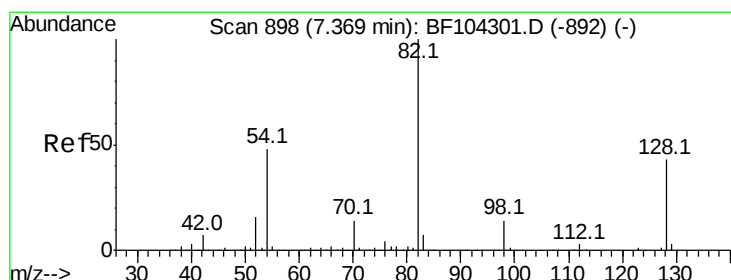
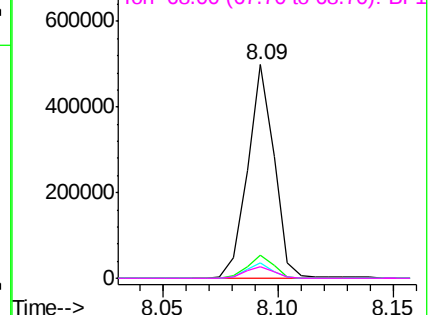
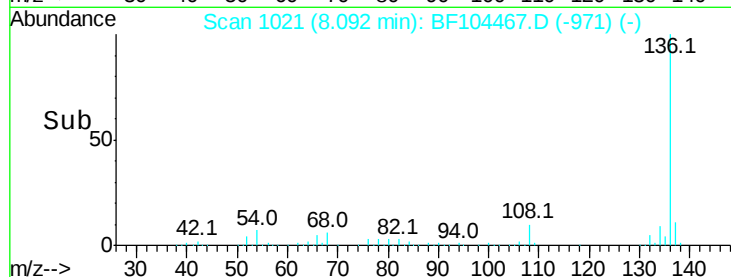


Abundance Ion 136.00 (135.70 to 136.70): E

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: 108.380 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104467.D

Acq: 12 Apr 2018 22:30

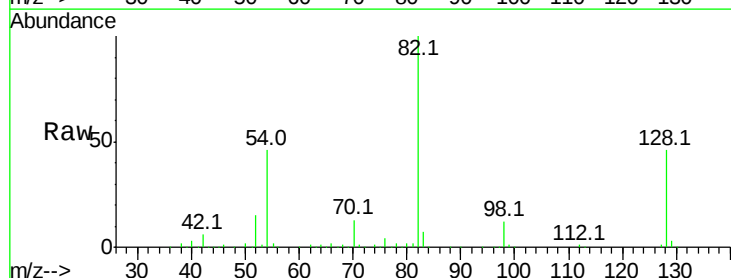
Tgt Ion: 82 Resp: 662504

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

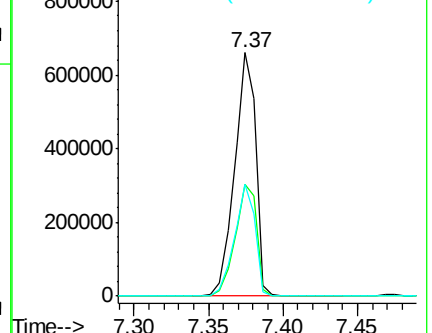
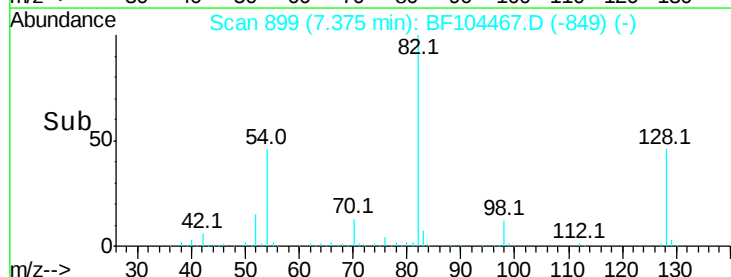
54 46.1 41.4 62.2

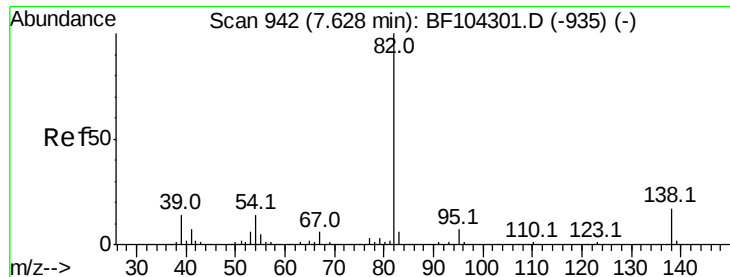


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.251 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104467.D

Acq: 12 Apr 2018 22:30

Instrument :

BNA_F

ClientSampleId :

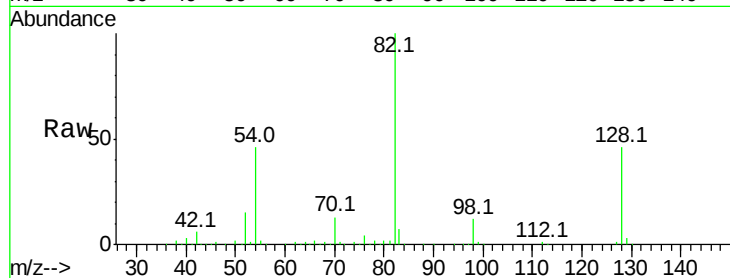
Tot Ion: 82 Resp: 662497

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

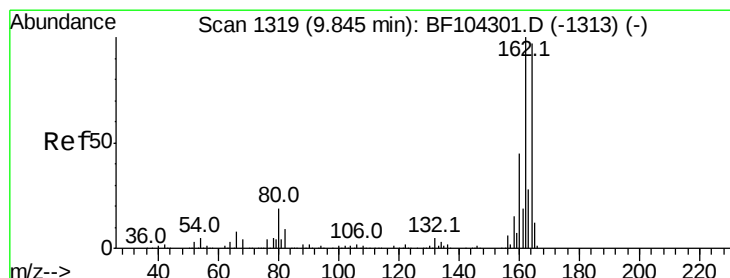
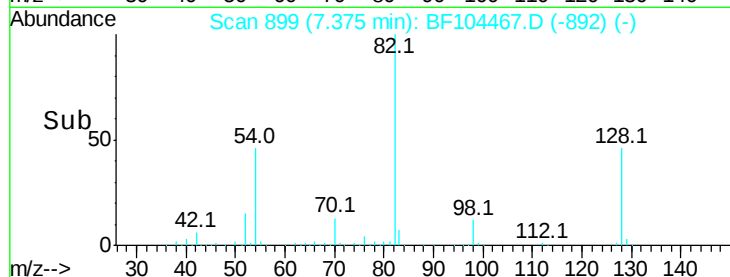
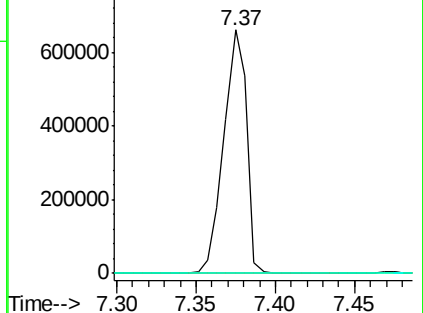
138 0.0 14.9 22.3#



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: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF104467.D

Acq: 12 Apr 2018 22:30

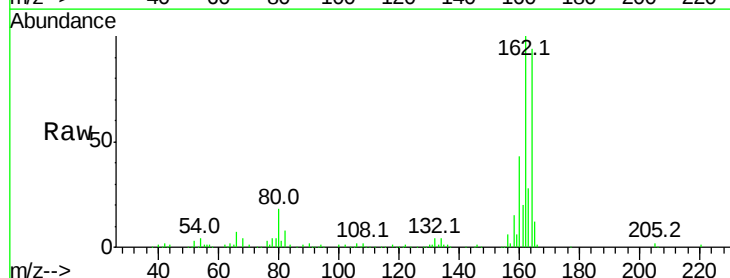
Tgt Ion:164 Resp: 148767

Ion Ratio Lower Upper

164 100

162 105.9 86.1 129.1

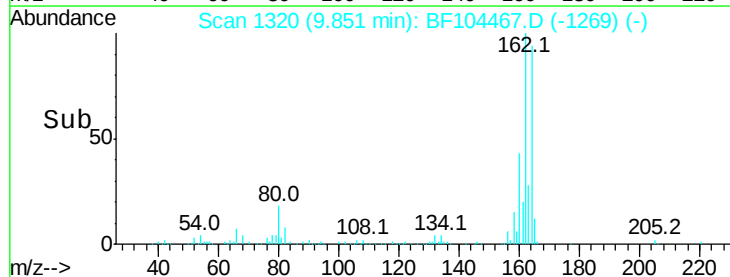
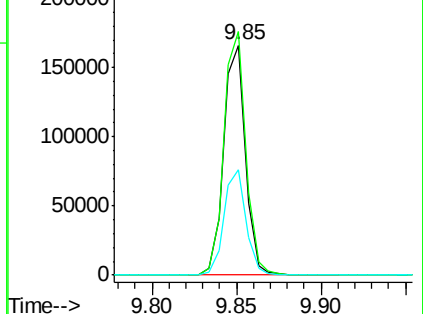
160 45.8 38.3 57.5

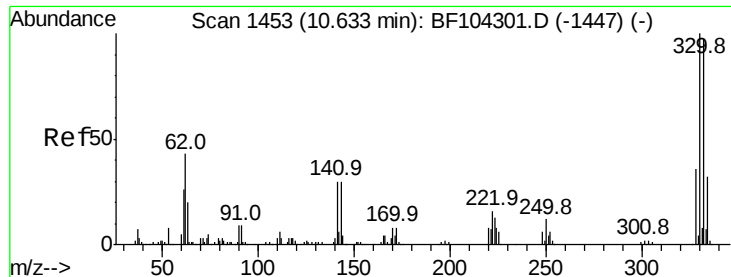


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

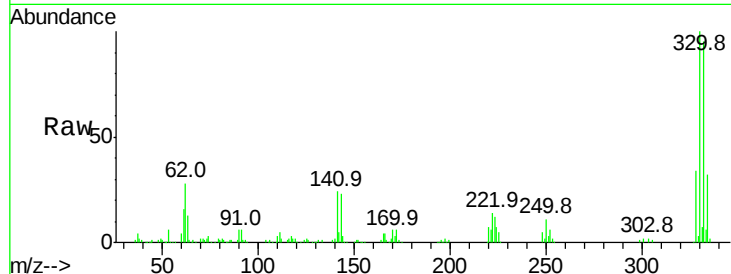




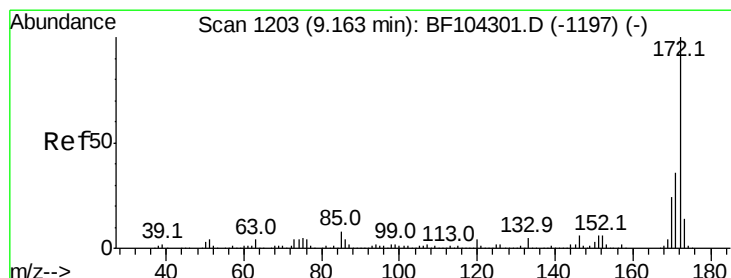
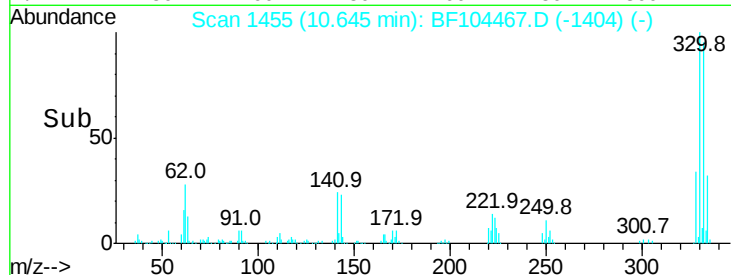
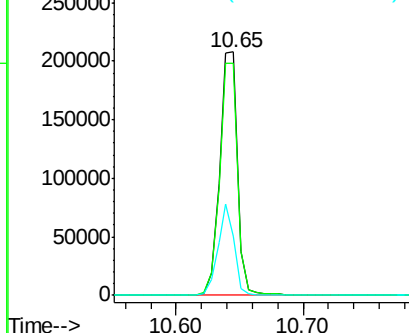
#41
 2,4,6-Tribromophenol
 Concen: 133.300 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF104467.D
 Acq: 12 Apr 2018 22:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	33.9	29.9	44.9

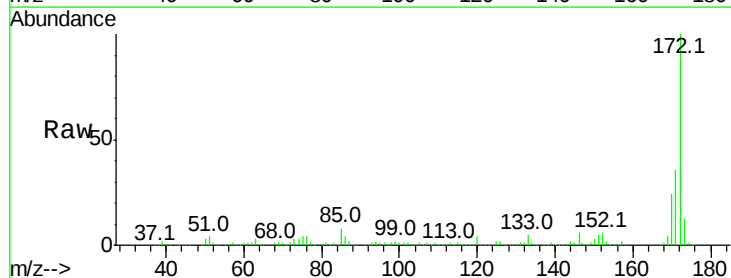


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

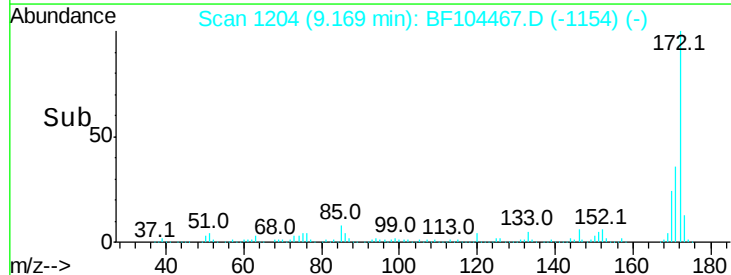
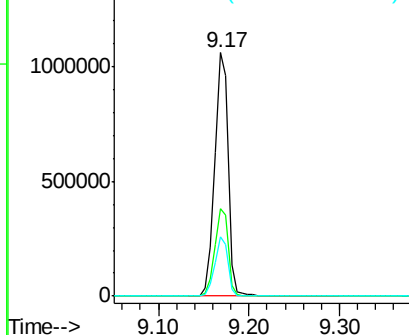


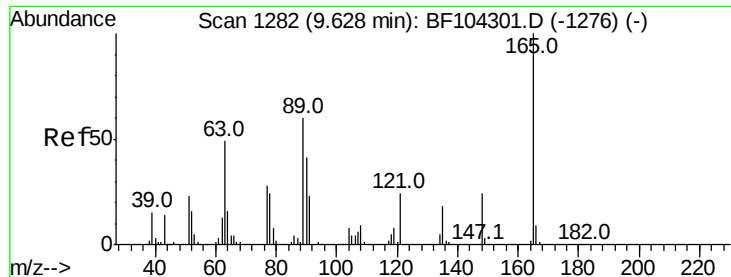
#44
 2-Fluorobiphenyl
 Concen: 116.104 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104467.D
 Acq: 12 Apr 2018 22:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.1	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

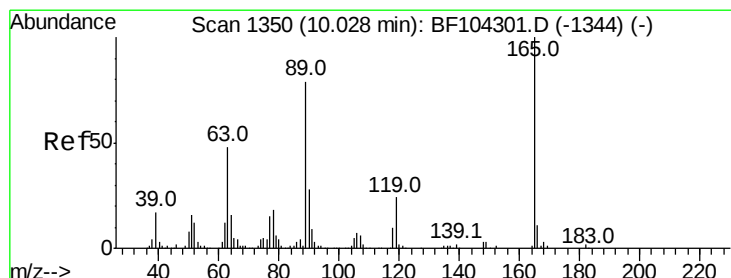
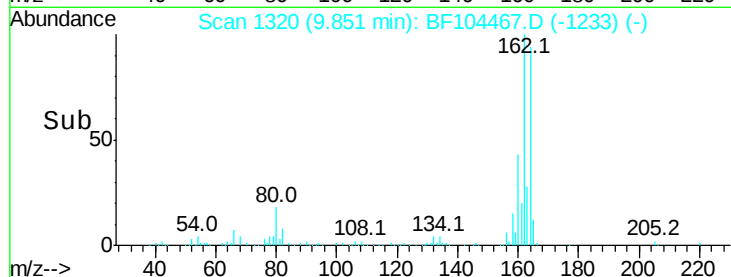
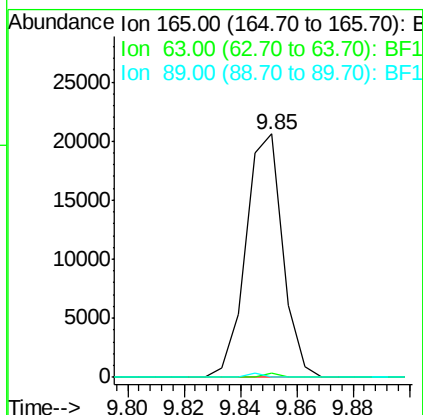
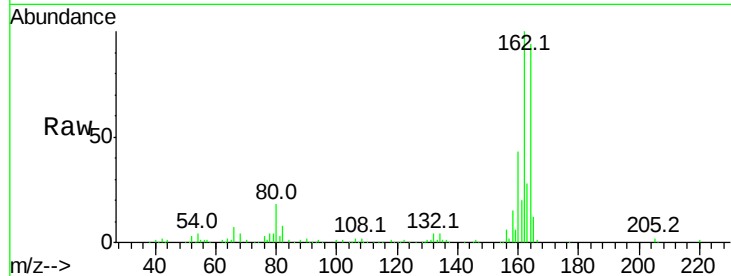




#50
 2,6-Dinitrotoluene
 Concen: 8.560 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF104467.D
 Acq: 12 Apr 2018 22:30

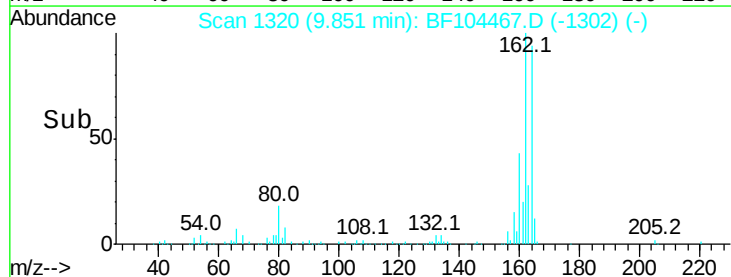
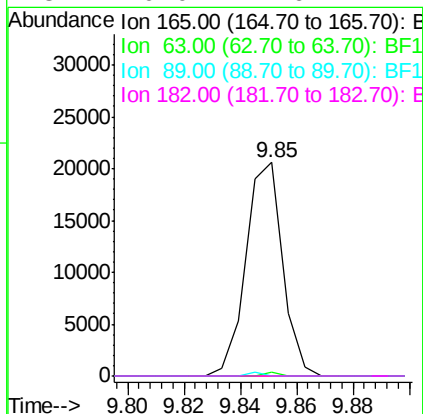
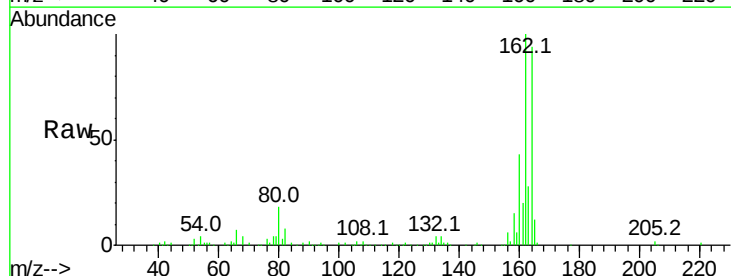
Instrument :
 BNA_F
 ClientSampleId :

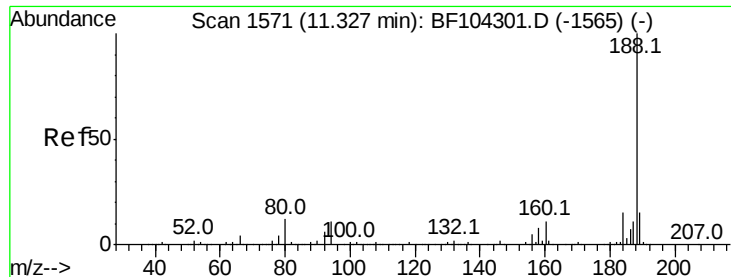
Tot Ion:165 Resp: 18581
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.7 67.1#
 89 0.0 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.526 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104467.D
 Acq: 12 Apr 2018 22:30

Tgt Ion:165 Resp: 18581
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

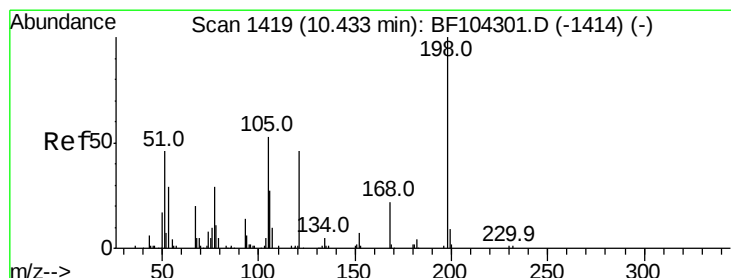
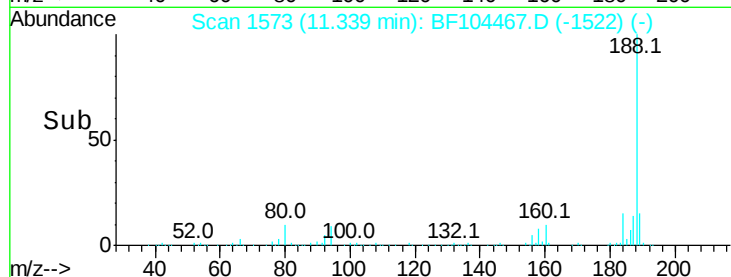
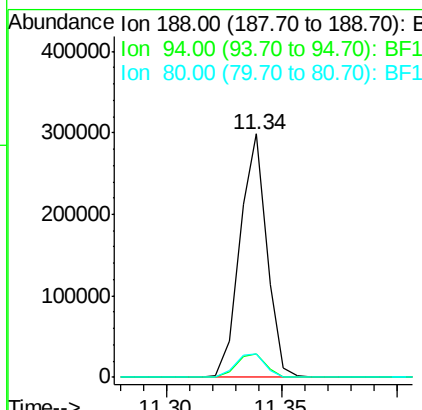
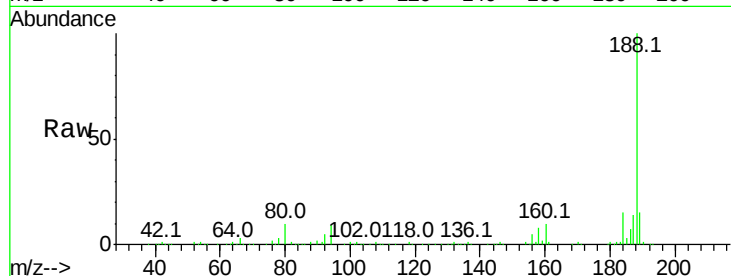




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF104467.D
Acq: 12 Apr 2018 22:30

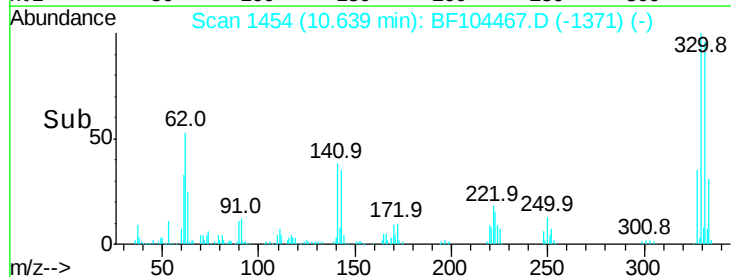
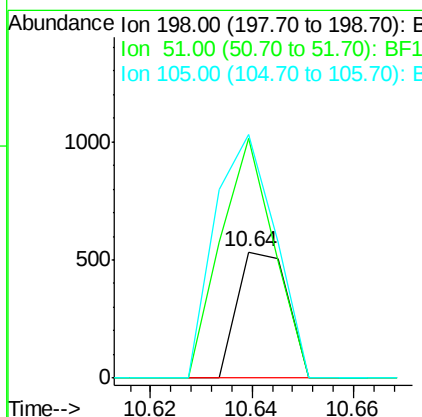
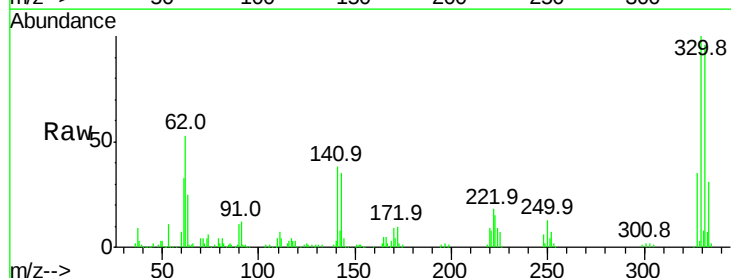
Instrument :
BNA_F
ClientSampleId :

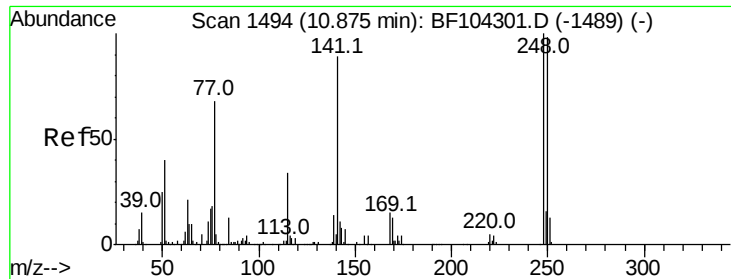
Tot Ion:188 Resp: 243636
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 9.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.610 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.19 min
Lab File: BF104467.D
Acq: 12 Apr 2018 22:30

Tgt Ion:198 Resp: 368
Ion Ratio Lower Upper
198 100
51 189.3 37.7 77.7#
105 192.7 36.3 76.3#

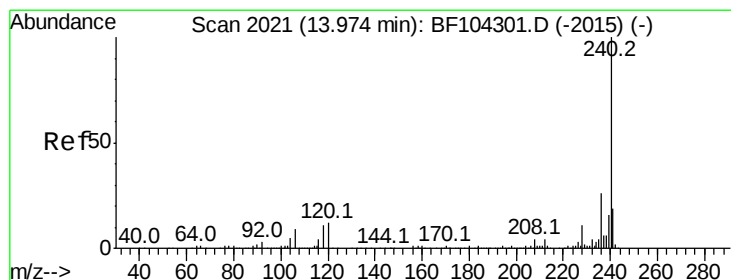
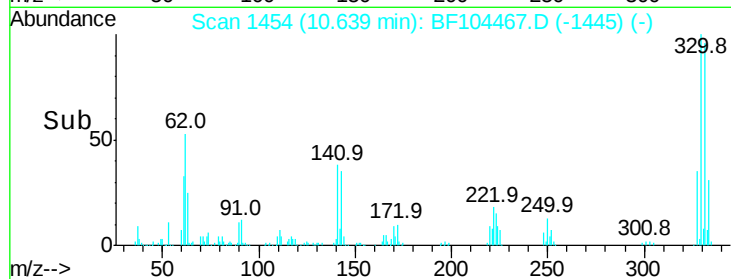
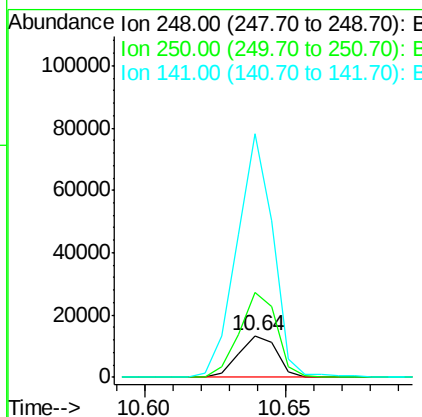
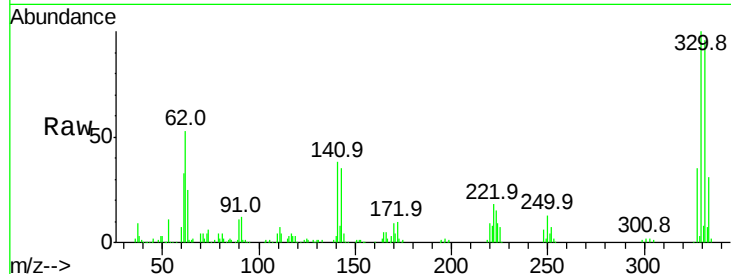




#66
 4-Bromophenyl-phenylether
 Concen: 4.874 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104467.D
 Acq: 12 Apr 2018 22:30

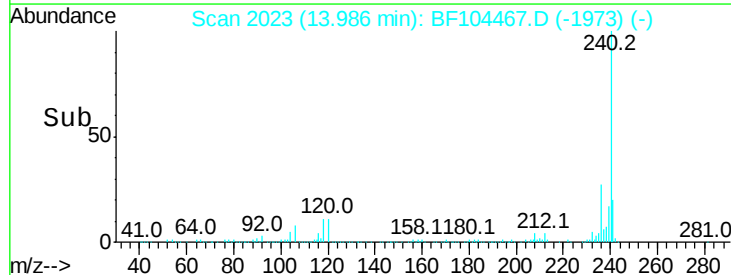
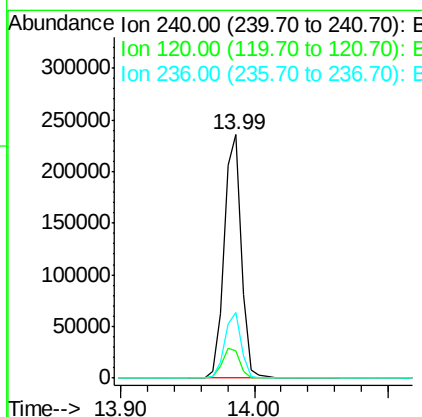
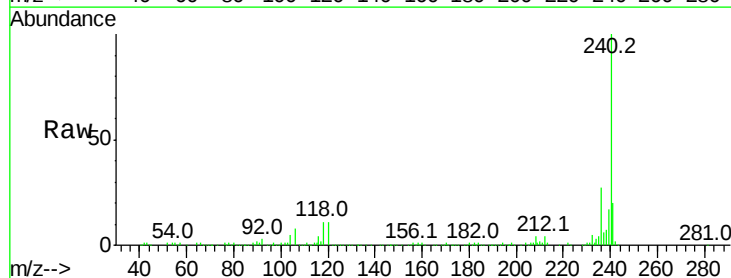
Instrument :
 BNA_F
 ClientSampleId :

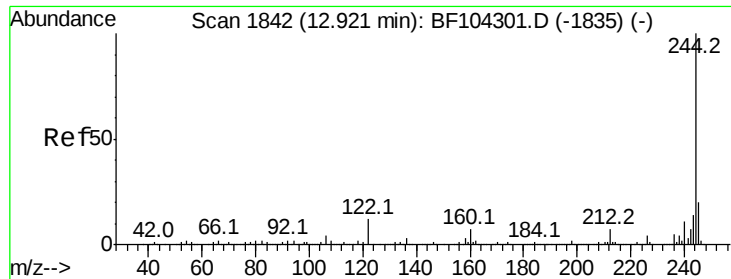
Tot Ion:248 Resp: 12630
 Ion Ratio Lower Upper
 248 100
 250 202.8 76.9 115.3#
 141 581.5 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF104467.D
 Acq: 12 Apr 2018 22:30

Tgt Ion:240 Resp: 214988
 Ion Ratio Lower Upper
 240 100
 120 11.4 9.5 14.3
 236 26.8 20.7 31.1

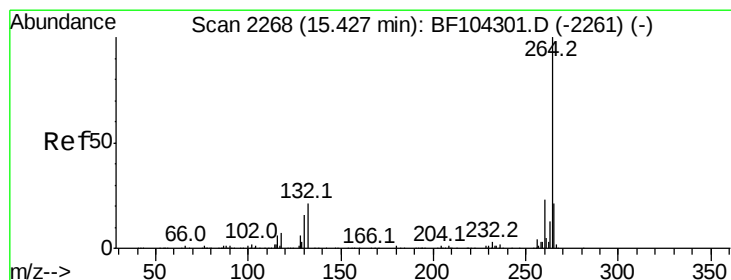
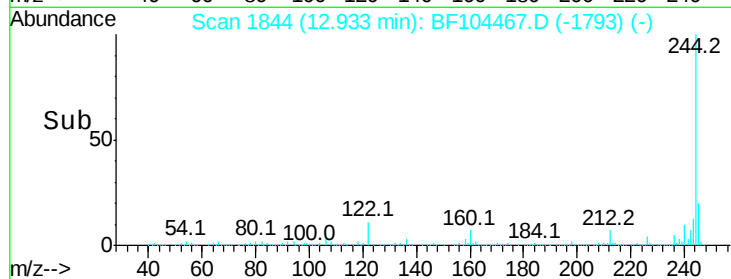
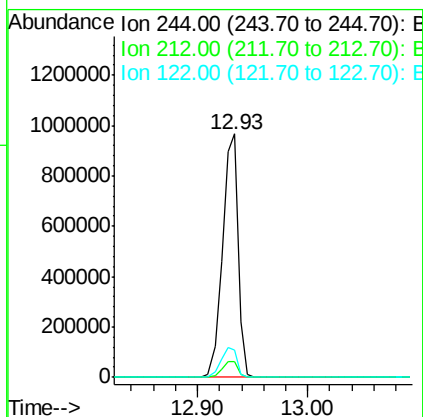
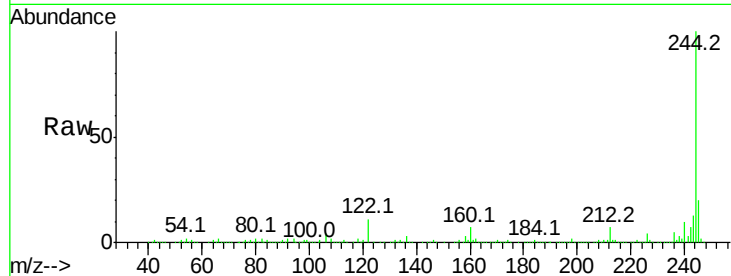




#78
 Terphenyl-d14
 Concen: 101.025 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF104467.D
 Acq: 12 Apr 2018 22:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 952666
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104467.D
 Acq: 12 Apr 2018 22:30

Tgt Ion:264 Resp: 157667
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.2 28.8
 265 21.0 17.5 26.3

