

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050118\
 Data File : BF104977.D
 Acq On : 1 May 2018 12:21
 Operator : JU/SJ
 Sample : J2608-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 16:14:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 16:13:08 2018
 Response via : Initial Calibration

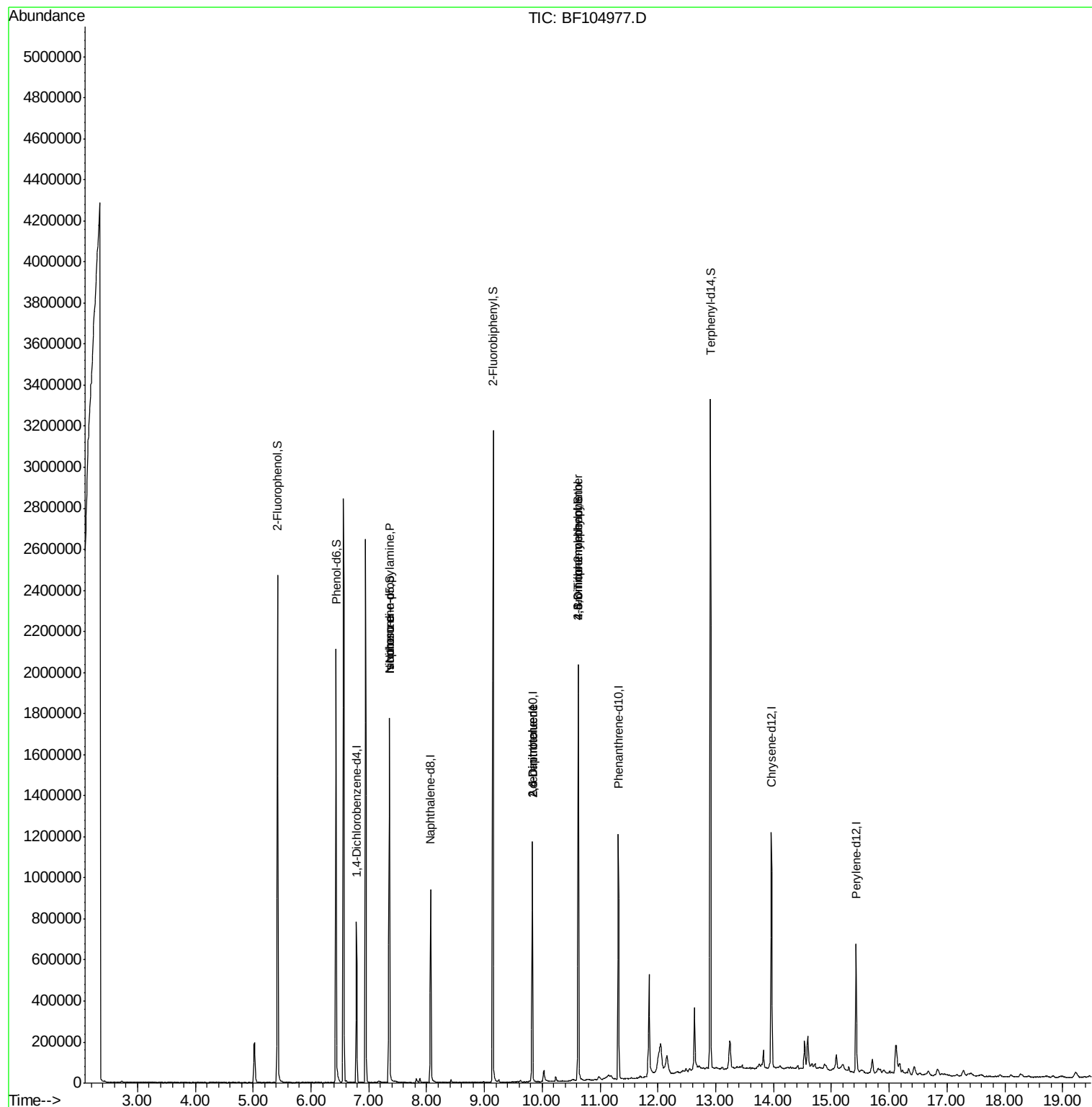
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	112501	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	473614	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	223782	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	428761	20.00	ng	0.00
75) Chrysene-d12	13.96	240	362235	20.00	ng	-0.01
86) Perylene-d12	15.43	264	297001	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	803659	109.23	ng	0.02
7) Phenol-d6	6.43	99	894493	98.95	ng	0.00
23) Nitrobenzene-d5	7.36	82	679052	93.62	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	310696	133.84	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1225955	86.54	ng	0.00
78) Terphenyl-d14	12.91	244	1317116	82.90	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	88646	15.006	ng	# 70
25) Isophorone	7.36	82	679043	44.273	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	28571	8.750	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	28571	6.670	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	525	7.560	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	18968	4.159	ng	# 1
76) Benzidine	12.91	184	17439	Below Cal		# 90

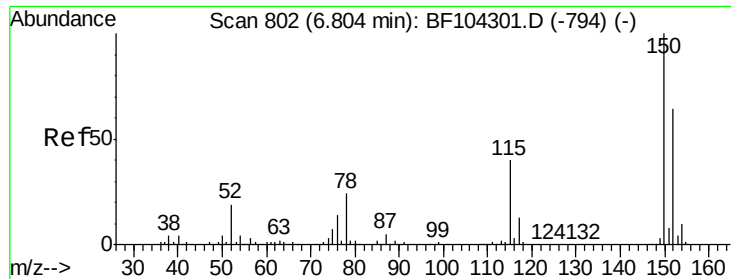
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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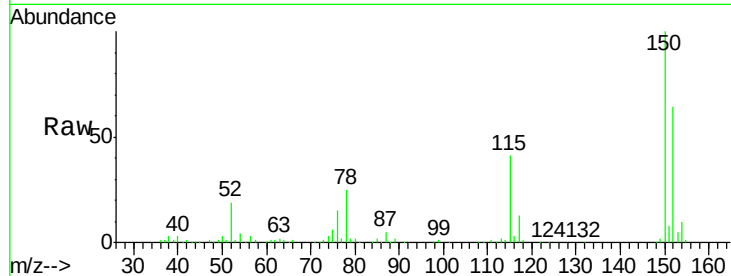


#1

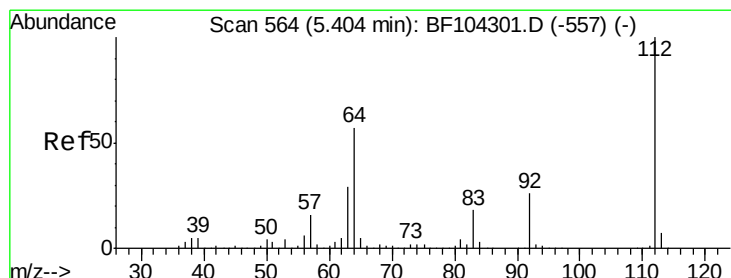
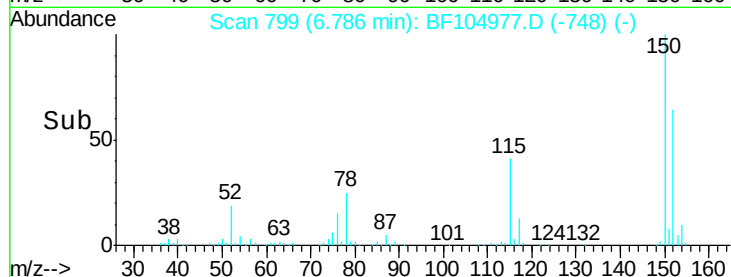
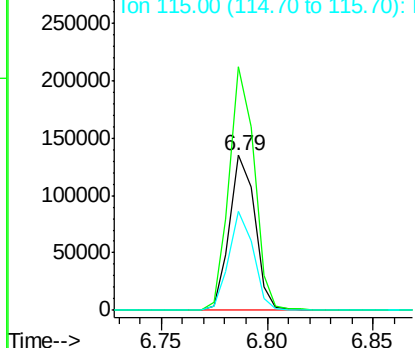
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF104977.D
 Acq: 1 May 2018 12:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	64.2	50.1	75.1



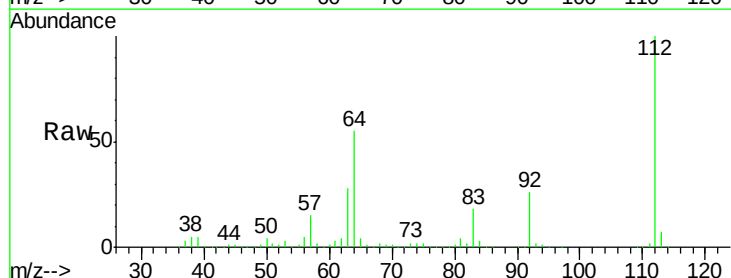
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



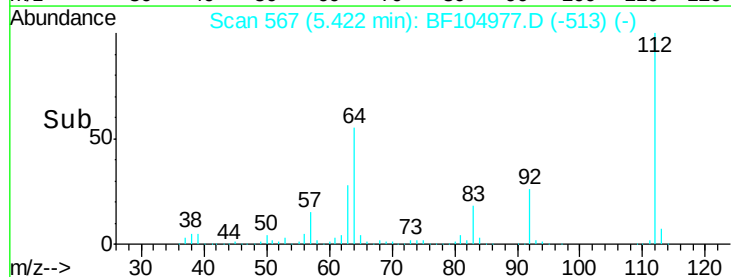
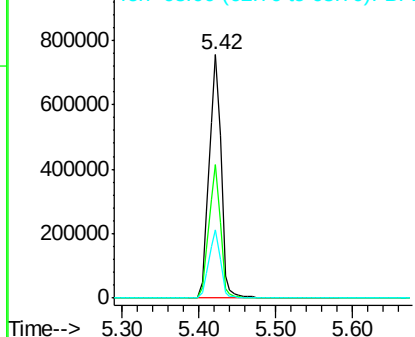
#5

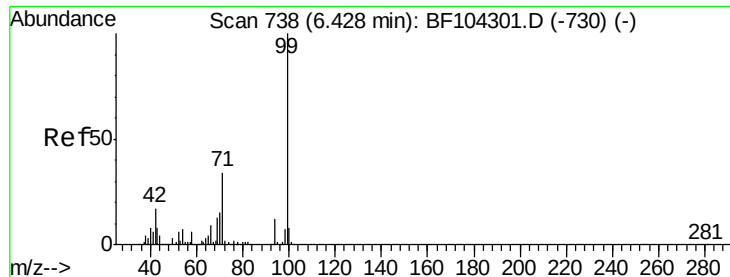
2-Fluorophenol
 Concen: 109.229 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.02 min
 Lab File: BF104977.D
 Acq: 1 May 2018 12:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	47.9	71.9
63	27.9	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: 98.948 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF104977.D

Acq: 1 May 2018 12:21

Instrument :

BNA_F

ClientSampleId :

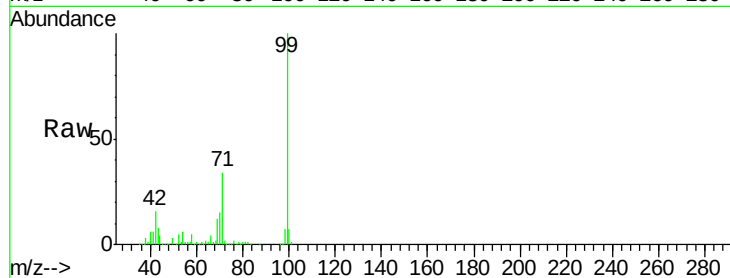
Tot Ion: 99 Resp: 894493

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

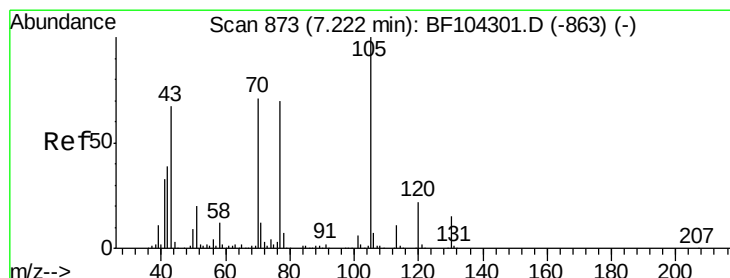
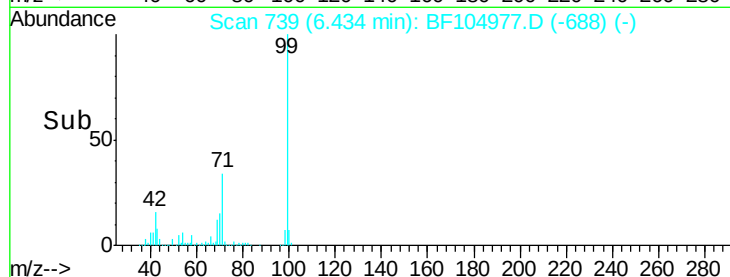
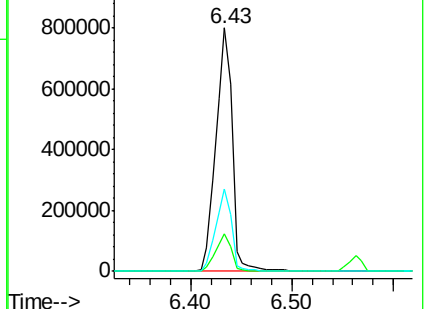
71 34.0 25.4 38.0



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: 15.006 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF104977.D

Acq: 1 May 2018 12:21

Tgt Ion: 70 Resp: 88646

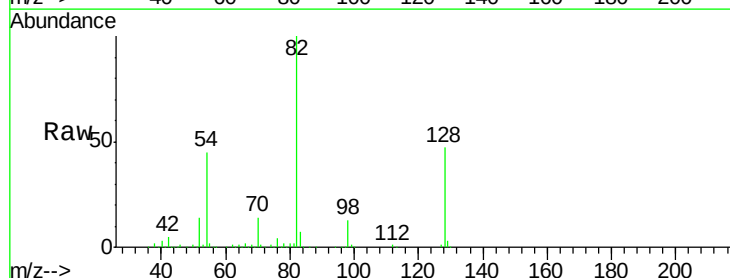
Ion Ratio Lower Upper

70 100

42 38.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

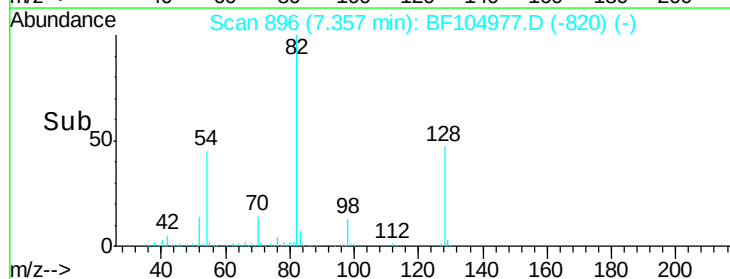
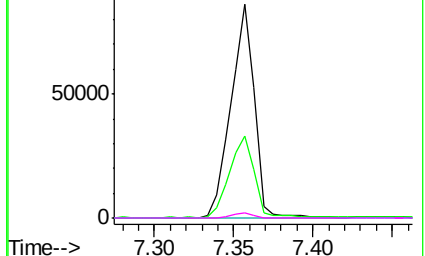


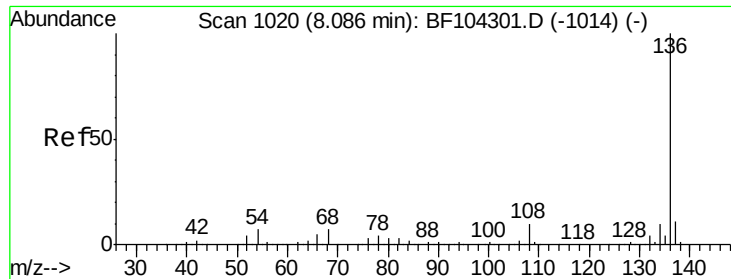
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

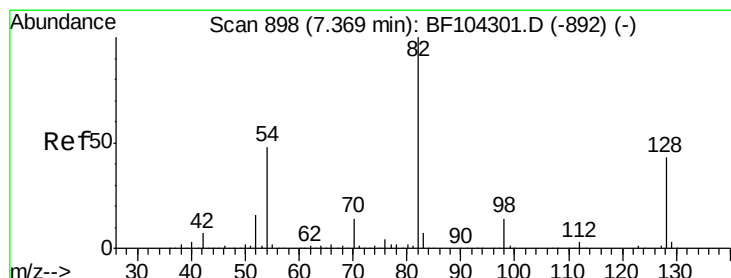
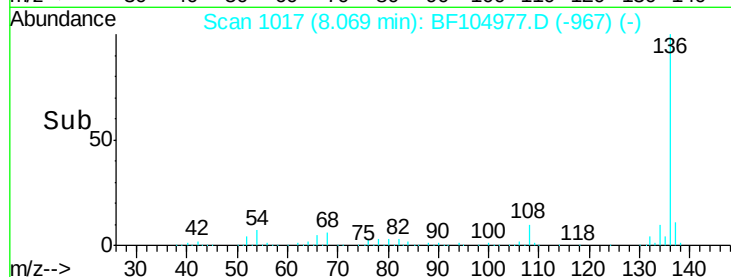
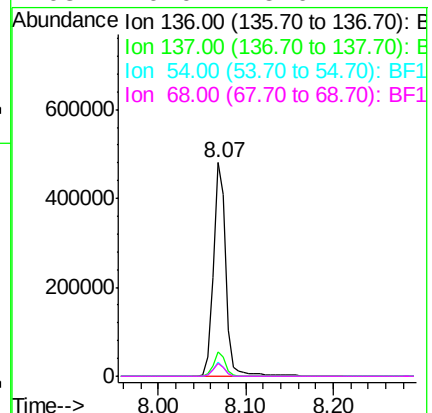
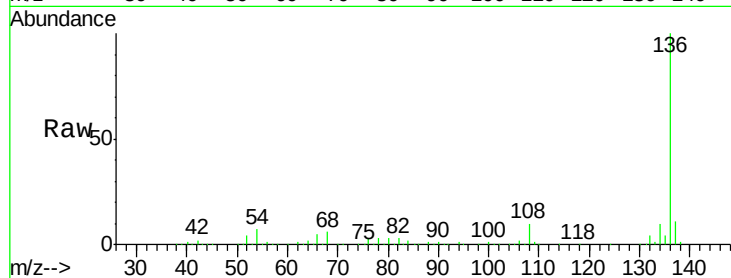




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF104977.D
Acq: 1 May 2018 12:21

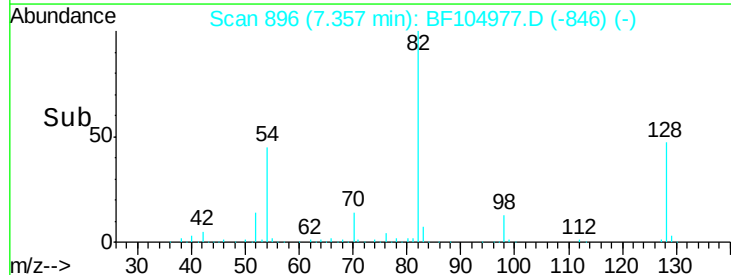
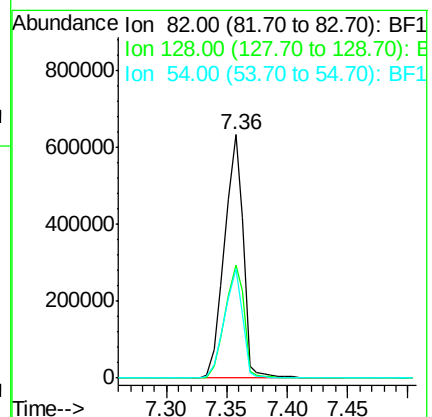
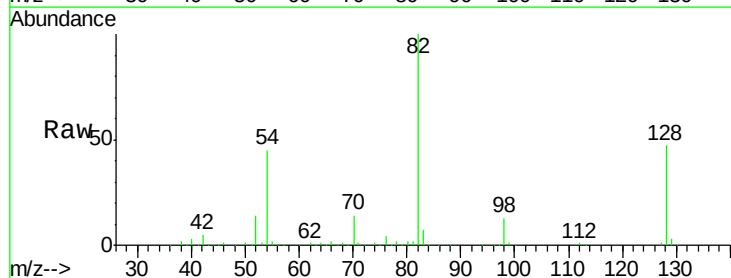
Instrument :
BNA_F
ClientSampleId :

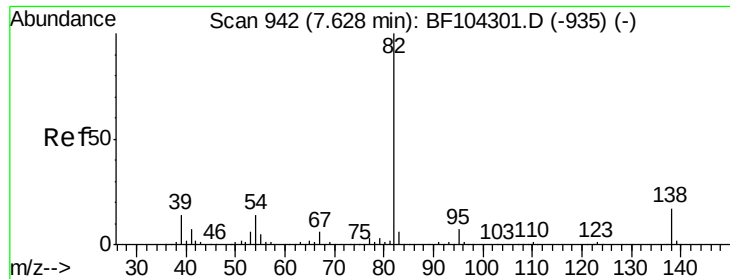
Tot Ion:136	Resp:	473614
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	6.8	6.6 9.8
68	6.0	5.0 7.4



#23
Nitrobenzene-d5
Concen: 93.622 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104977.D
Acq: 1 May 2018 12:21

Tgt Ion: 82	Resp:	679052
Ion Ratio	Lower	Upper
82	100	
128	46.7	36.1 54.1
54	44.6	41.4 62.2





#25

Isophorone

Concen: 44.273 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF104977.D

Acq: 1 May 2018 12:21

Instrument :

BNA_F

ClientSampleId :

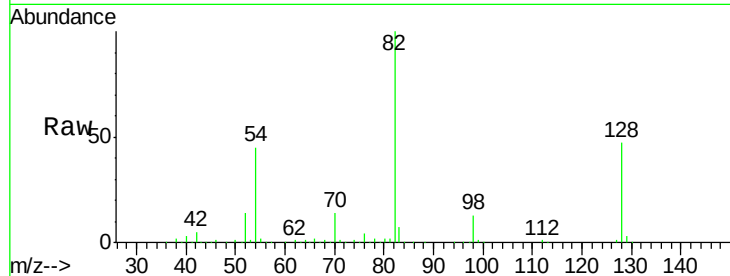
Tot Ion: 82 Resp: 679043

Ion Ratio Lower Upper

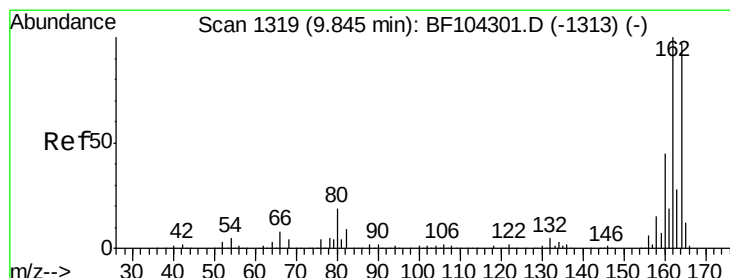
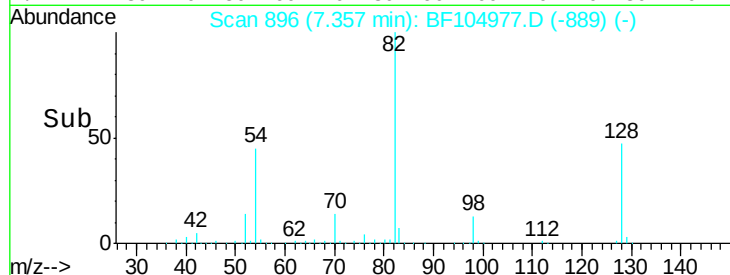
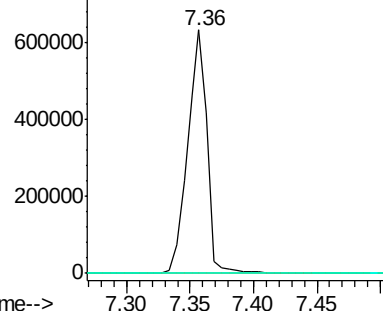
82 100

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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF104977.D

Acq: 1 May 2018 12:21

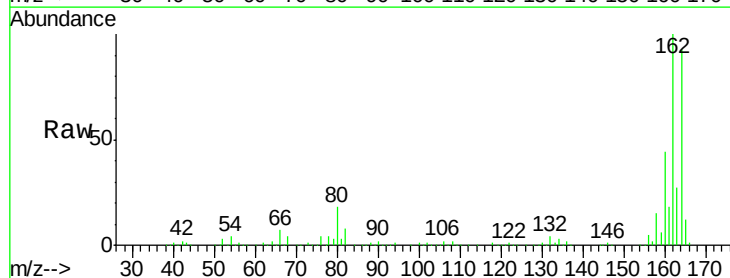
Tgt Ion: 164 Resp: 223782

Ion Ratio Lower Upper

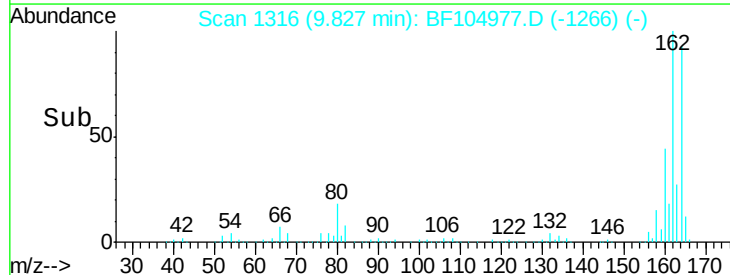
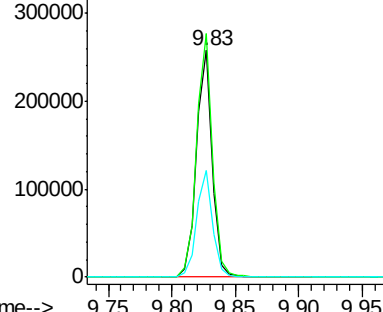
164 100

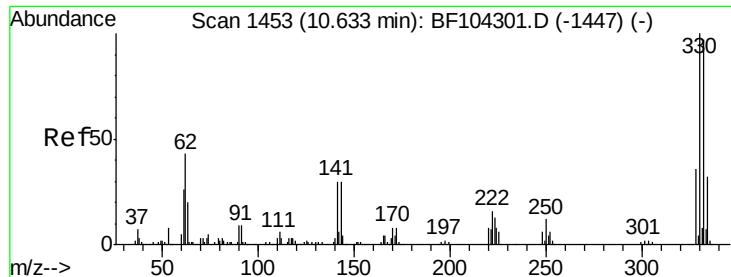
162 107.5 86.1 129.1

160 46.9 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

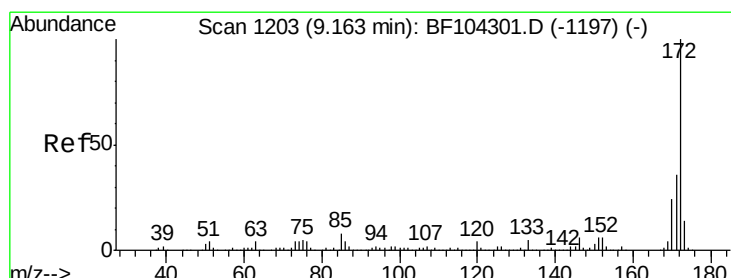
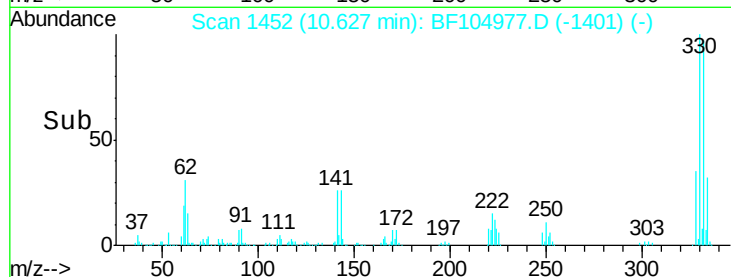
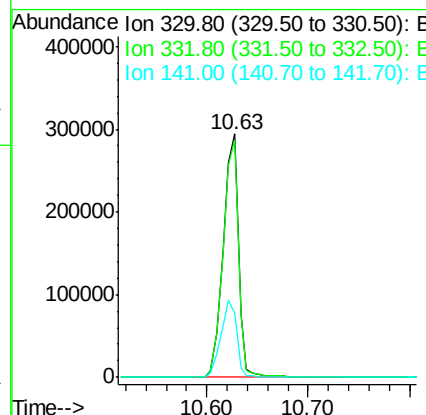
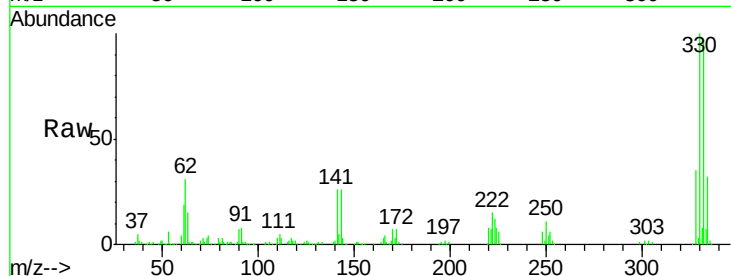




#41
 2,4,6-Tribromophenol
 Concen: 133.843 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BF104977.D
 Acq: 1 May 2018 12:21

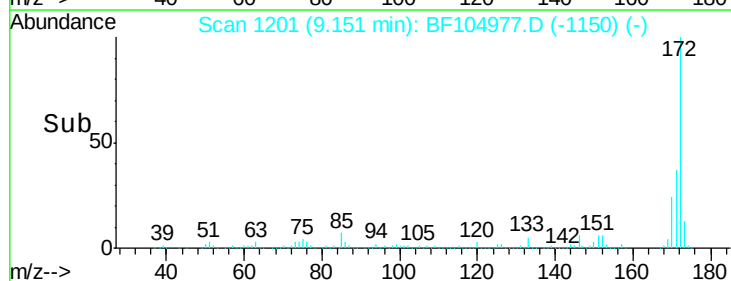
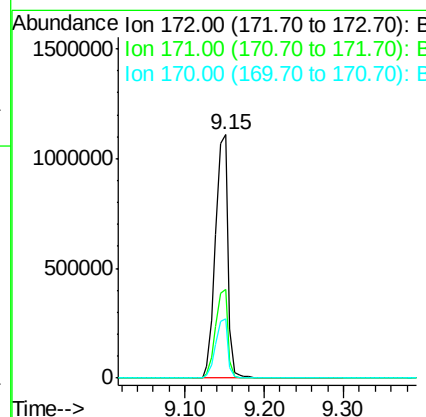
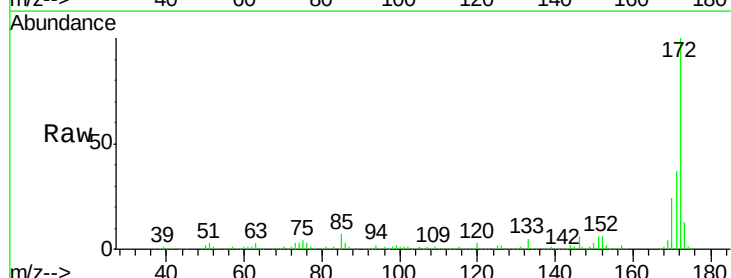
Instrument :
 BNA_F
 ClientSampleId :

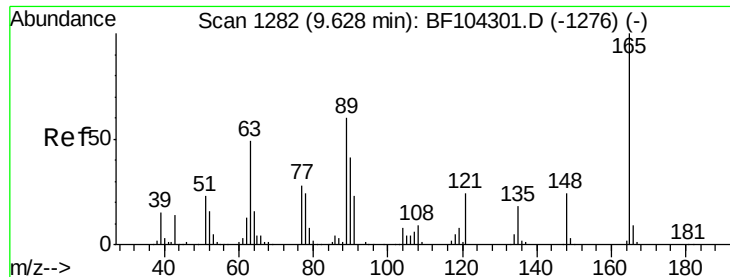
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	32.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 86.544 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF104977.D
 Acq: 1 May 2018 12:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.2	19.6	29.4

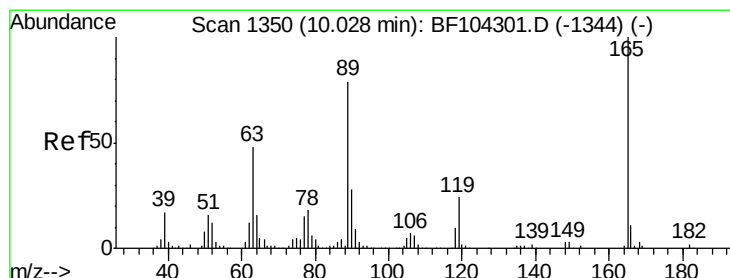
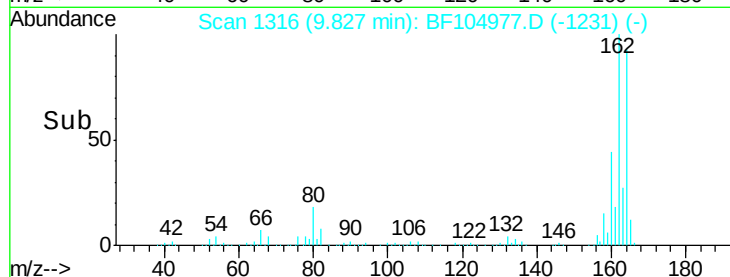
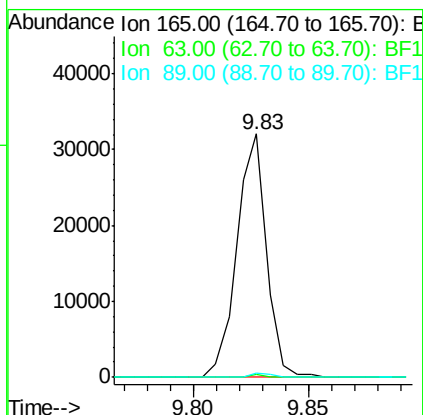
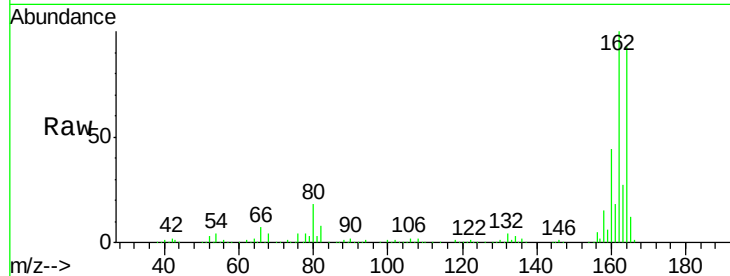




#50
 2,6-Dinitrotoluene
 Concen: 8.750 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.20 min
 Lab File: BF104977.D
 Acq: 1 May 2018 12:21

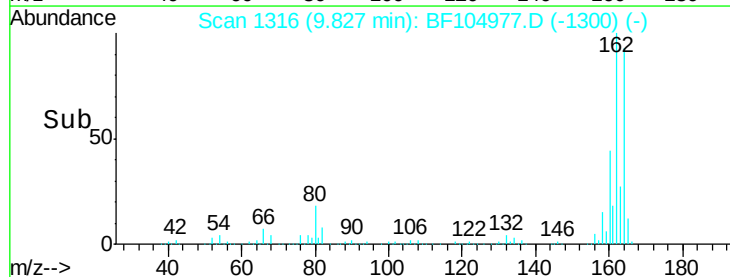
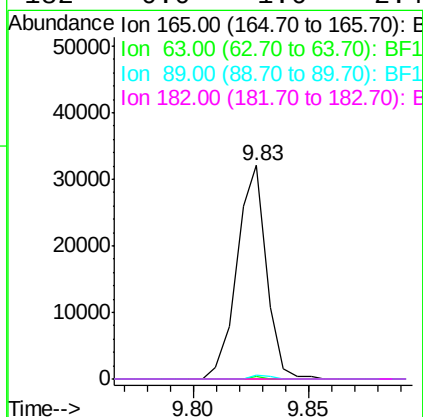
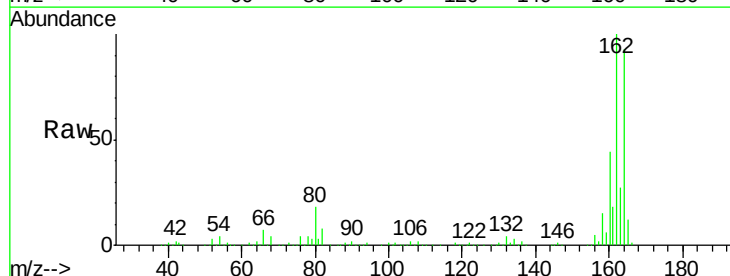
Instrument :
 BNA_F
 ClientSampleId :

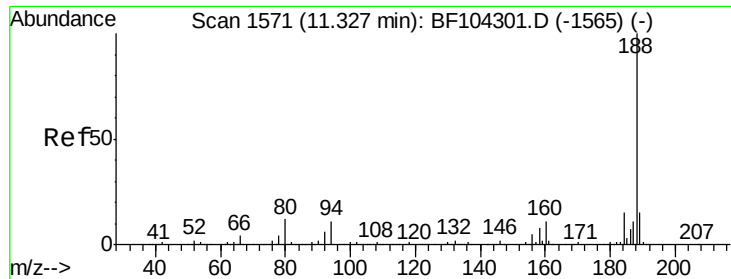
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.5	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.670 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF104977.D
 Acq: 1 May 2018 12:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

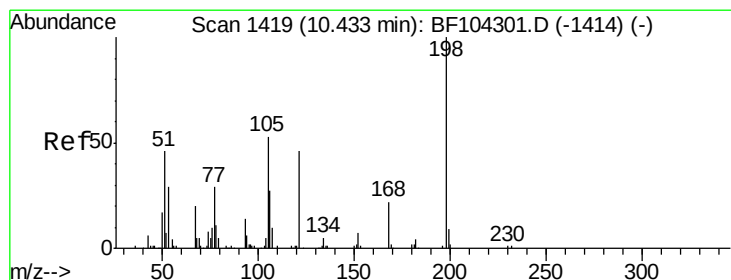
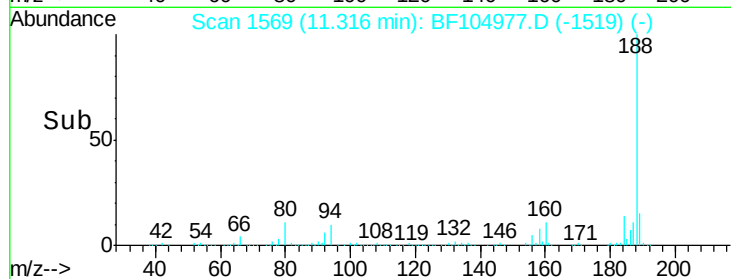
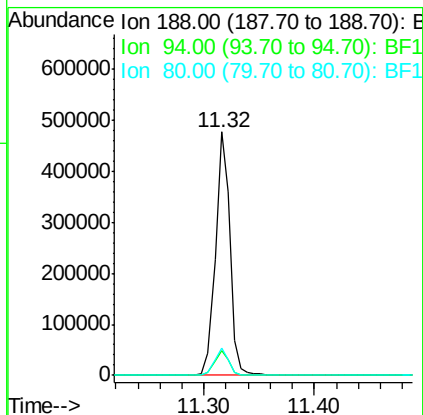
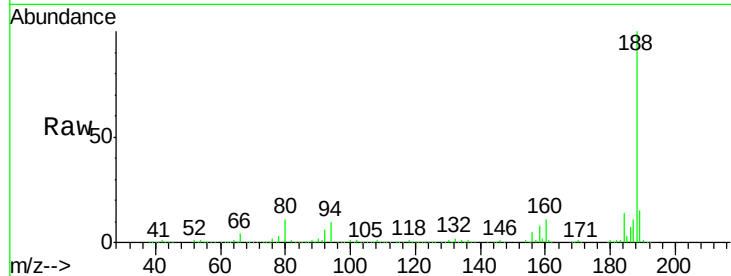




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF104977.D
Acq: 1 May 2018 12:21

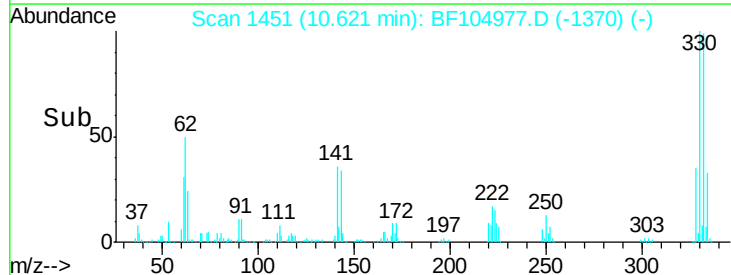
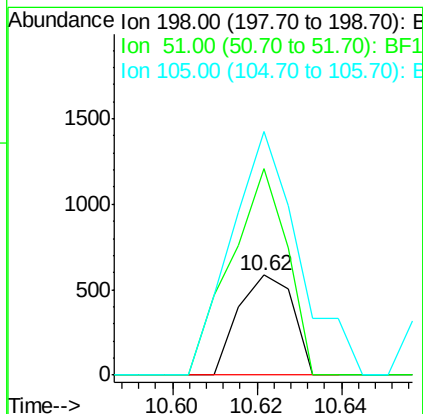
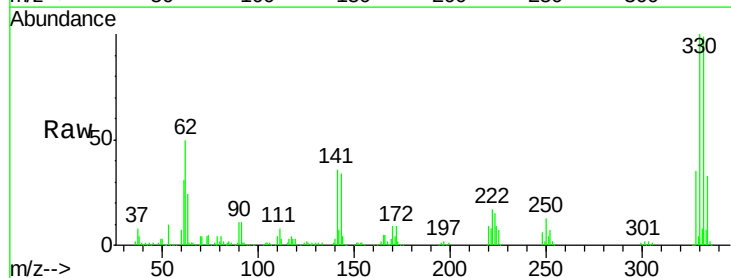
Instrument :
BNA_F
ClientSampleId :

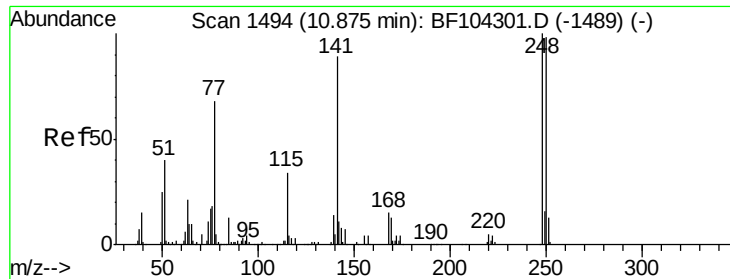
Tot Ion:188 Resp: 428761
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.560 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.18 min
Lab File: BF104977.D
Acq: 1 May 2018 12:21

Tgt Ion:198 Resp: 525
Ion Ratio Lower Upper
198 100
51 207.0 37.7 77.7#
105 244.0 36.3 76.3#

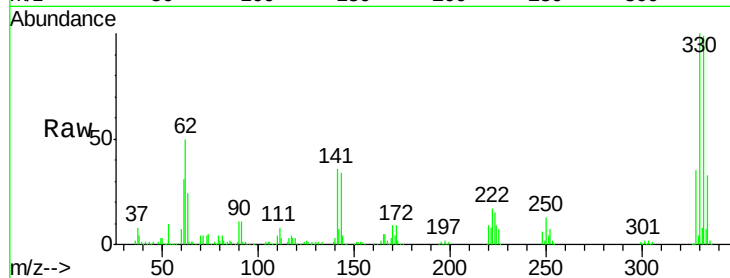




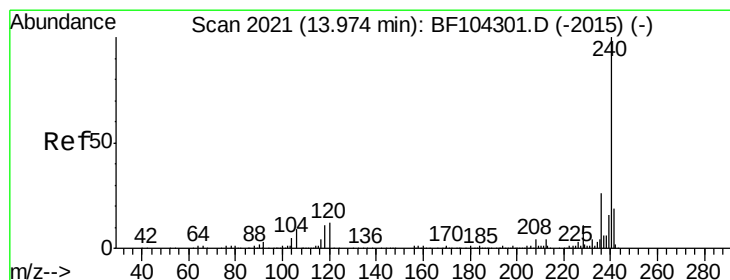
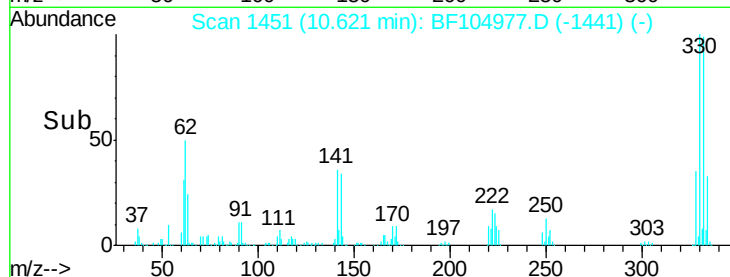
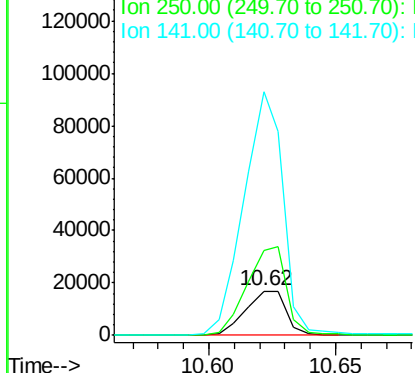
#66
4-Bromophenyl-phenylether
Concen: 4.159 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF104977.D
Acq: 1 May 2018 12:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 18968
Ion Ratio Lower Upper
248 100
250 193.0 76.9 115.3#
141 552.0 74.4 111.6#

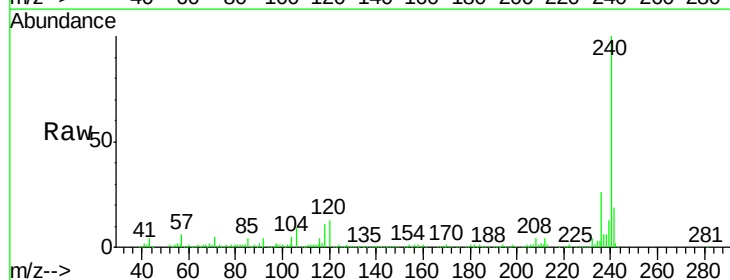


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

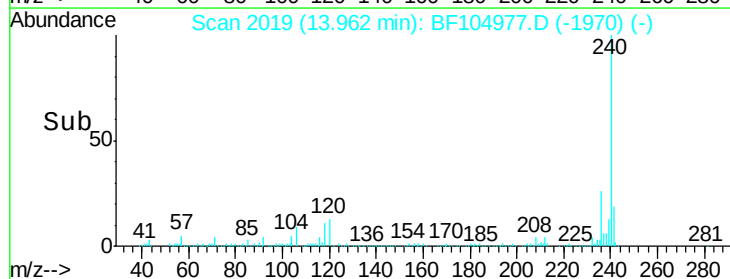
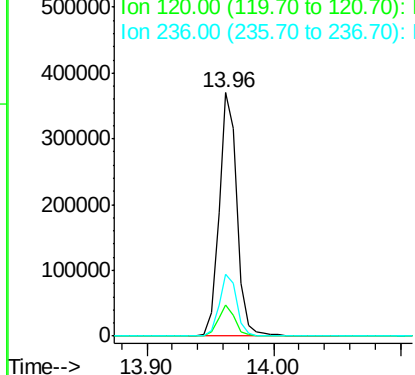


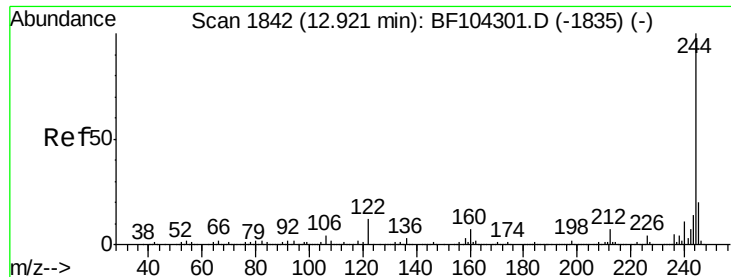
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF104977.D
Acq: 1 May 2018 12:21

Tgt Ion:240 Resp: 362235
Ion Ratio Lower Upper
240 100
120 12.7 9.5 14.3
236 25.6 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

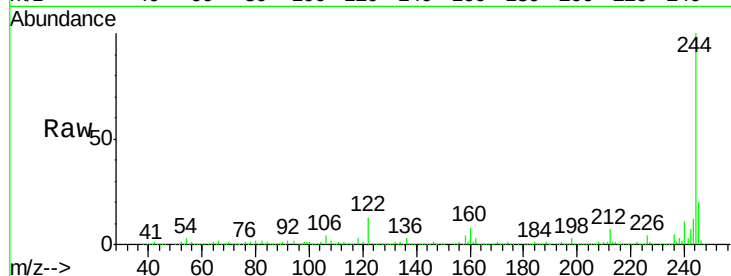




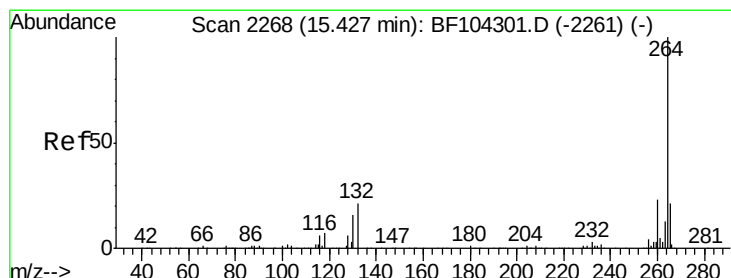
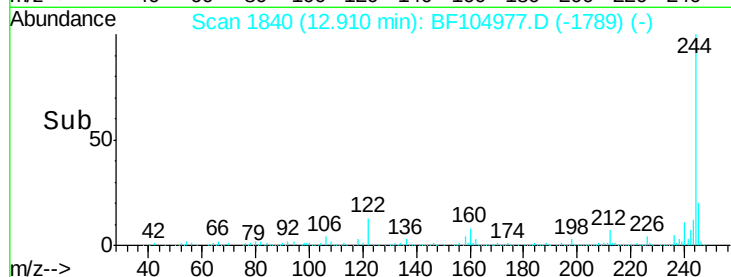
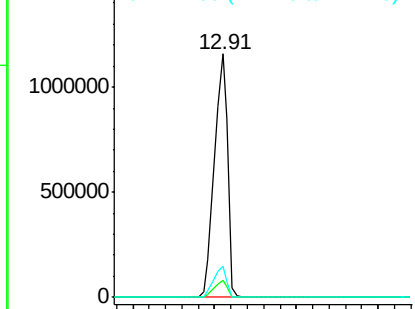
#78
 Terphenyl-d14
 Concen: 82.896 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF104977.D
 Acq: 1 May 2018 12:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1317116
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 12.8 11.0 16.4

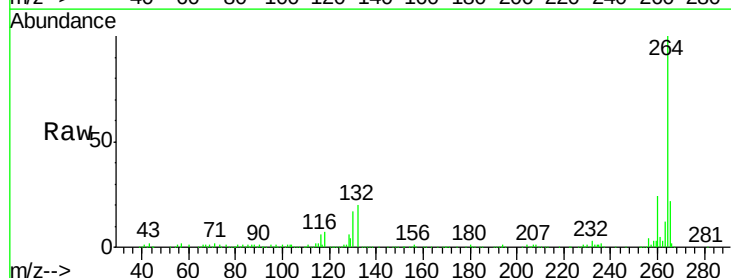


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: BF104977.D
 Acq: 1 May 2018 12:21

Tgt Ion:264 Resp: 297001
 Ion Ratio Lower Upper
 264 100
 260 23.8 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

