

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104028.D
 Acq On : 28 Mar 2018 23:21
 Operator : JU/SJ
 Sample : J1754-17 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 01:55:19 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

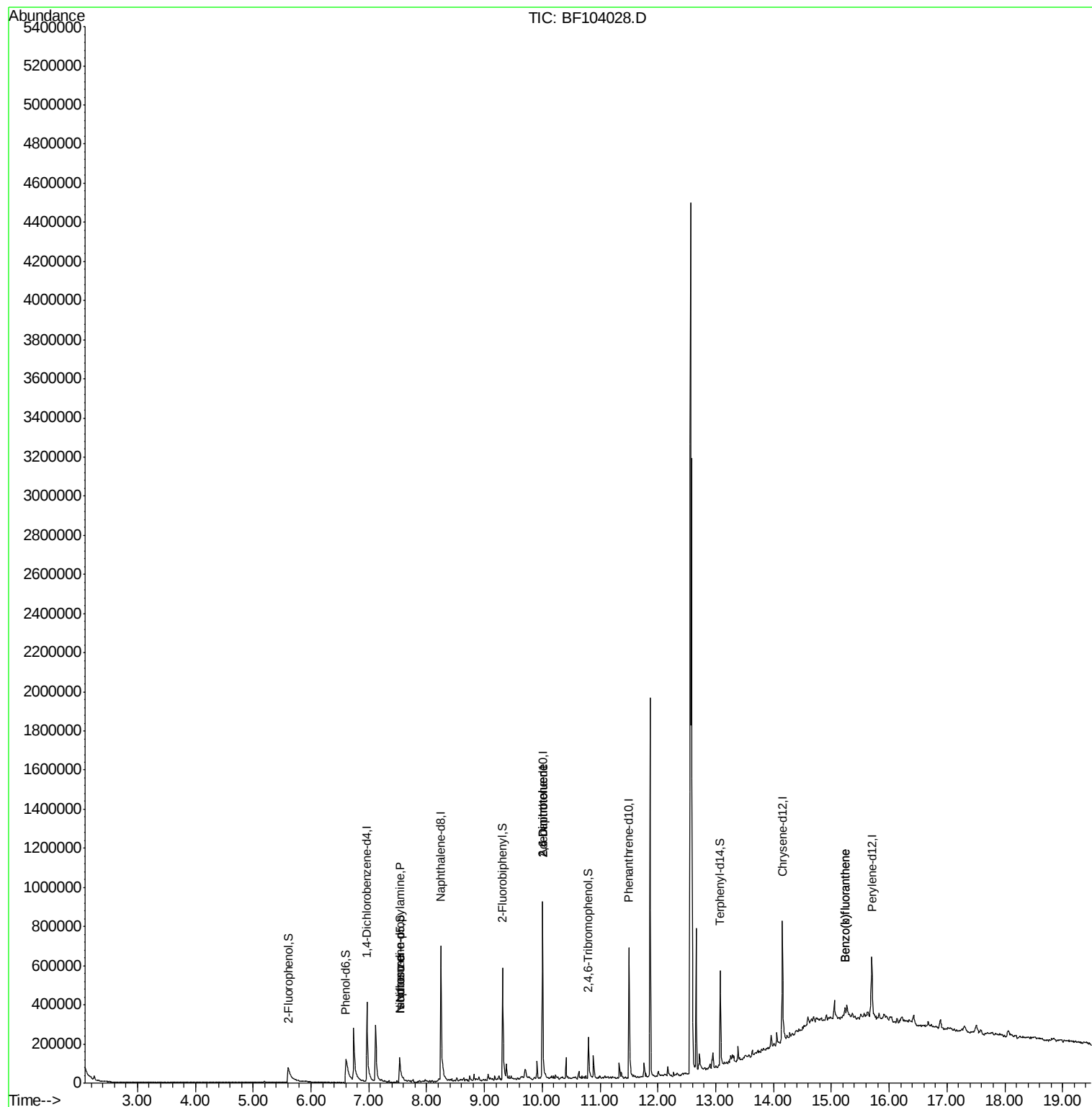
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	121607	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	499829	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	208576	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	310514	20.00	ng	0.00
75) Chrysene-d12	14.16	240	249923	20.00	ng	0.00
86) Perylene-d12	15.70	264	187752	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	124875	16.38	ng	0.00
7) Phenol-d6	6.60	99	194948	20.78	ng	0.00
23) Nitrobenzene-d5	7.53	82	103878	12.71	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	39320	16.93	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	241912	18.29	ng	0.00
78) Terphenyl-d14	13.08	244	170853	15.78	ng	0.00
Target Compounds						
9) Benzaldehyde	6.74	77	2833	Below Cal	Qvalue #	82
19) n-Nitroso-di-n-propylamine	7.53	70	14126	2.537 ng	#	71
25) Isophorone	7.53	82	103878	6.897 ng	#	64
50) 2,6-Dinitrotoluene	10.00	165	27052	7.636 ng	#	26
56) 2,4-Dinitrotoluene	10.00	165	27052	5.984 ng	#	23
87) Benzo(b)fluoranthene	15.24	252	28173	2.466 ng	#	49
88) Benzo(k)fluoranthene	15.24	252	28173	2.617 ng	#	53

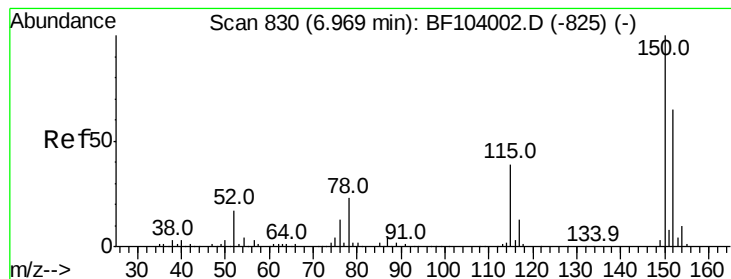
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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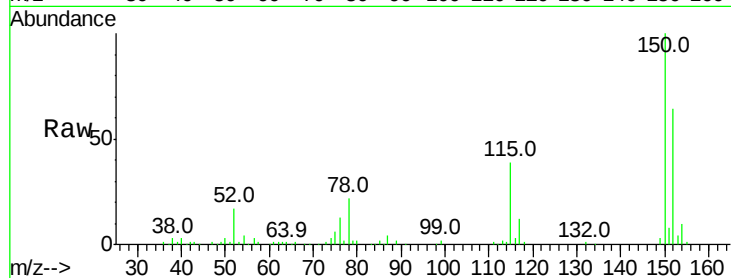


#1

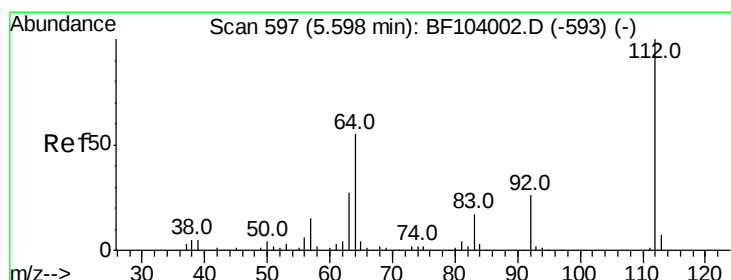
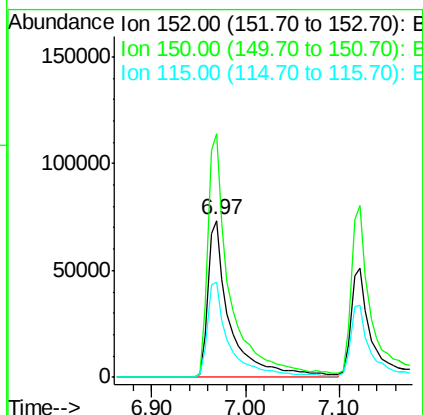
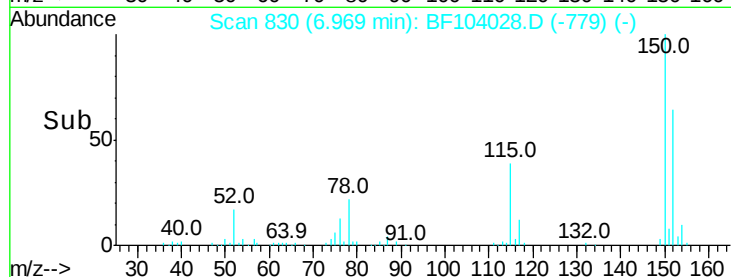
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF104028.D
 Acq: 28 Mar 2018 23:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	61.0	50.1	75.1



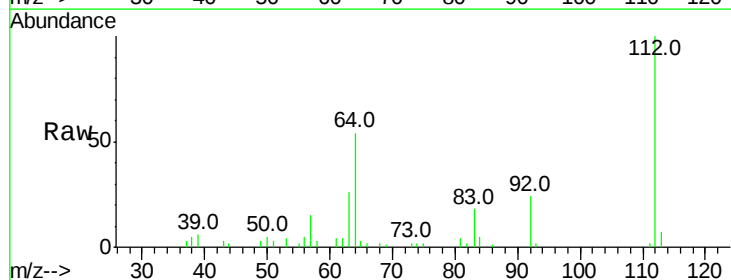
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



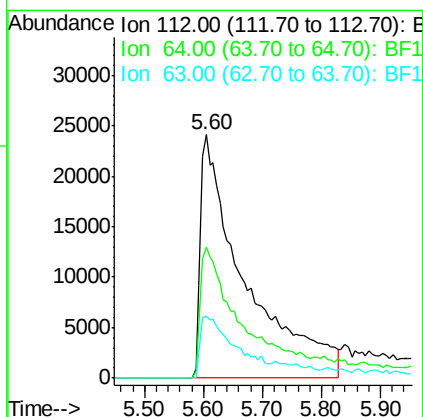
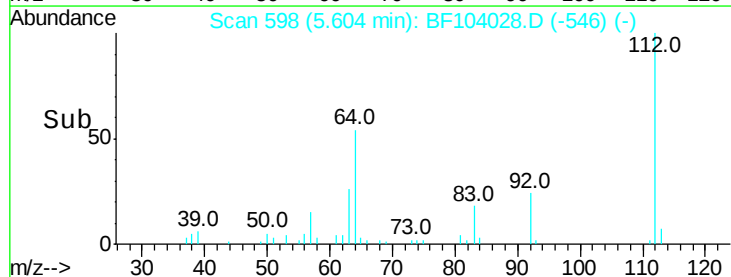
#5

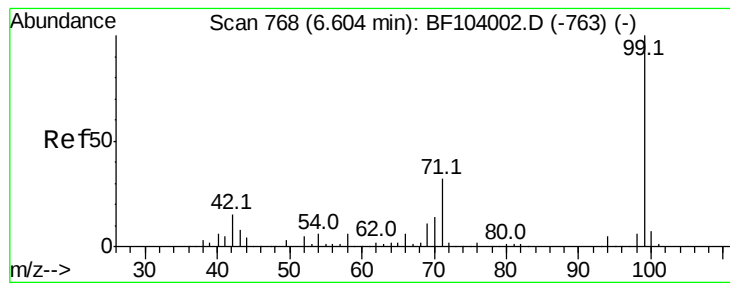
2-Fluorophenol
 Concen: 16.376 ng
 RT: 5.60 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: BF104028.D
 Acq: 28 Mar 2018 23:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	47.9	71.9
63	25.6	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: 20.780 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF104028.D

Acq: 28 Mar 2018 23:21

Instrument :

BNA_F

ClientSampleId :

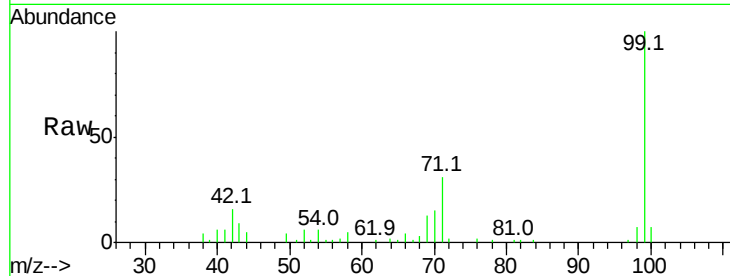
Tot Ion: 99 Resp: 194948

Ion Ratio Lower Upper

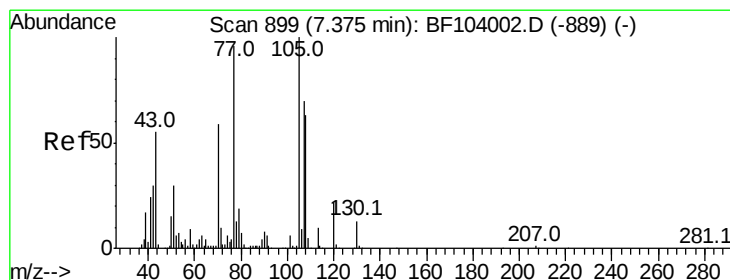
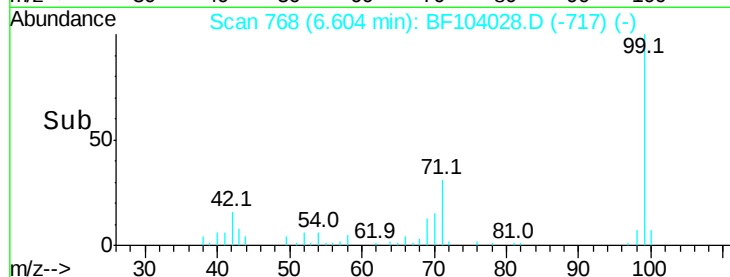
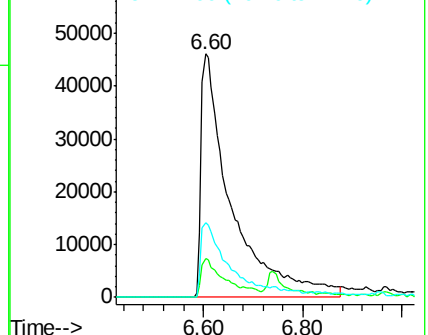
99 100

42 16.1 14.5 21.7

71 30.6 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: 2.537 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.16 min

Lab File: BF104028.D

Acq: 28 Mar 2018 23:21

Tgt Ion: 70 Resp: 14126

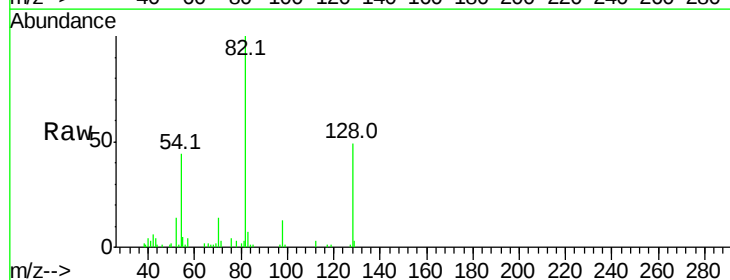
Ion Ratio Lower Upper

70 100

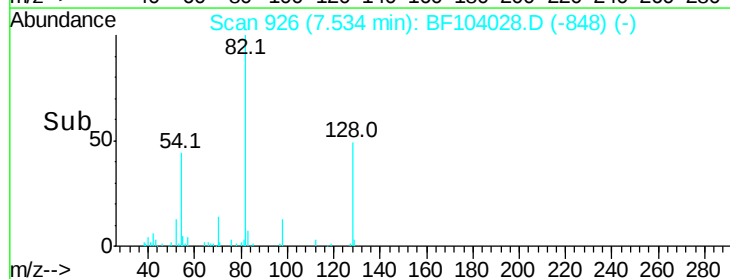
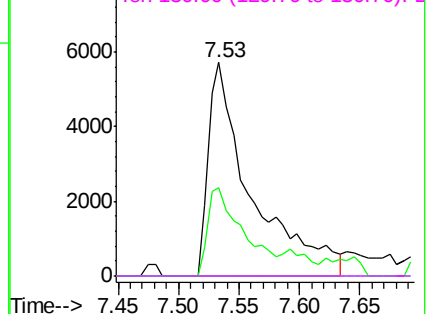
42 41.2 47.5 71.3#

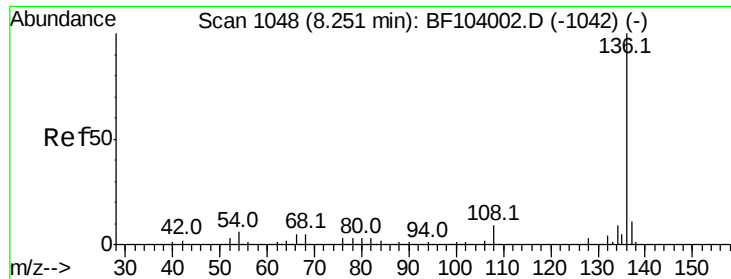
101 0.0 7.4 11.2#

130 0.0 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

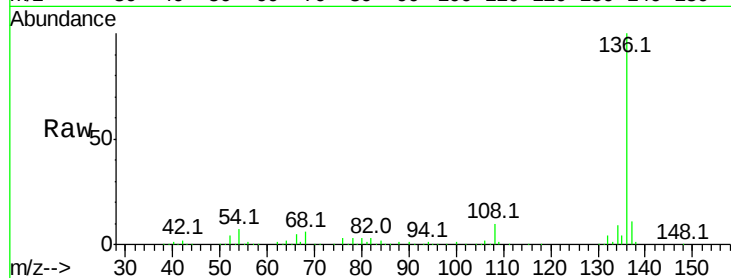




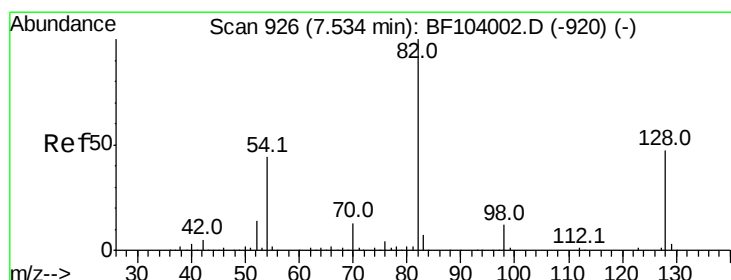
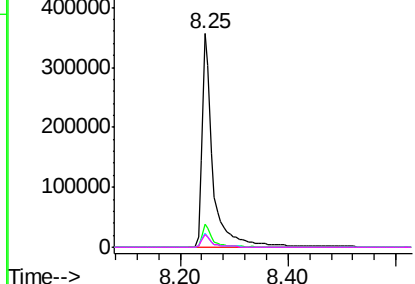
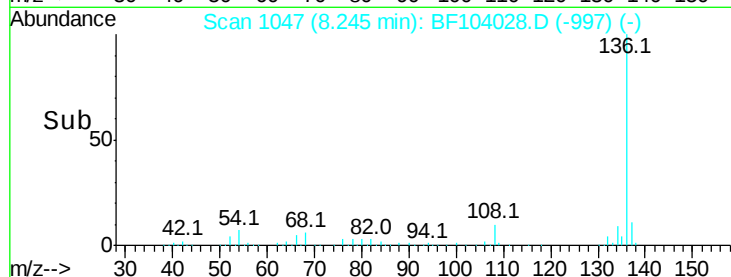
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF104028.D
Acq: 28 Mar 2018 23:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	499829
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.9	6.6	9.8
68	5.9	5.0	7.4

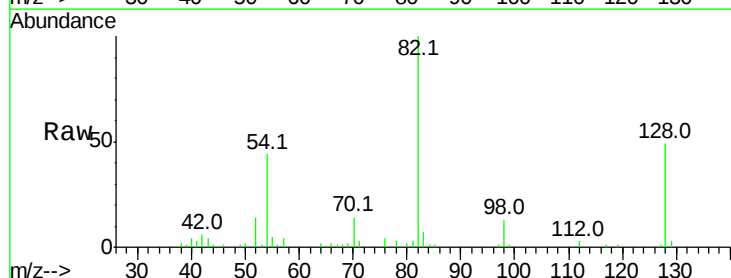


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

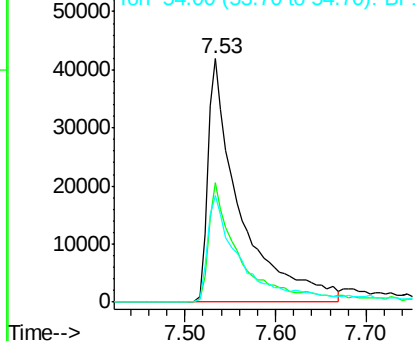
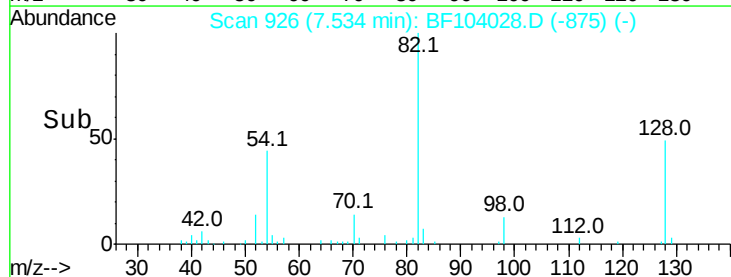


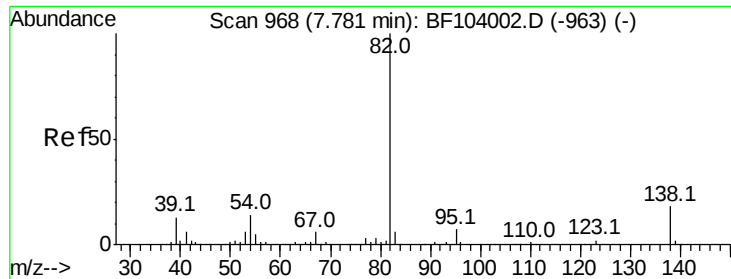
#23
Nitrobenzene-d5
Concen: 12.710 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF104028.D
Acq: 28 Mar 2018 23:21

Tgt Ion:	82	Resp:	103878
Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	43.6	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: 6.897 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF104028.D

Acq: 28 Mar 2018 23:21

Instrument :

BNA_F

ClientSampled :

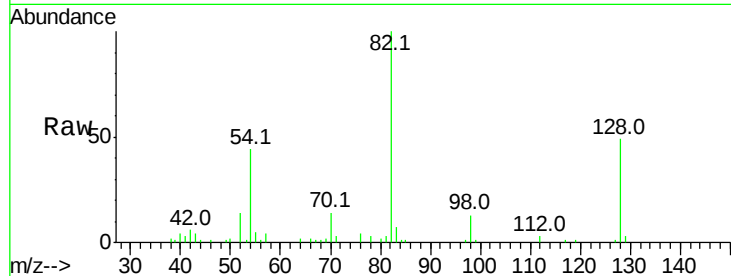
Tot Ion: 82 Resp: 103878

Ion Ratio Lower Upper

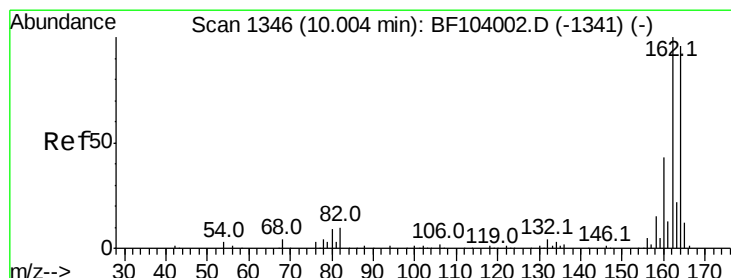
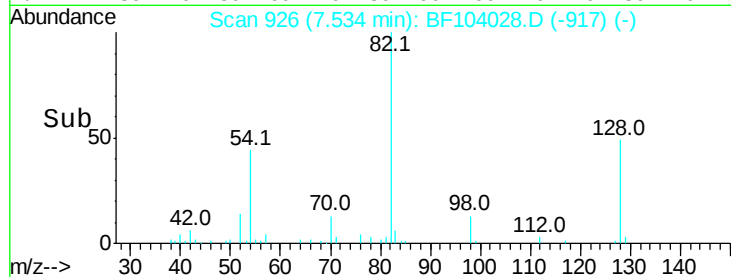
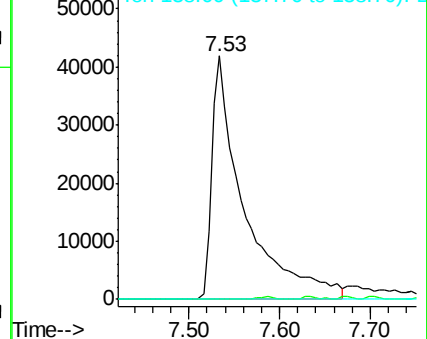
82 100

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: 10.00 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF104028.D

Acq: 28 Mar 2018 23:21

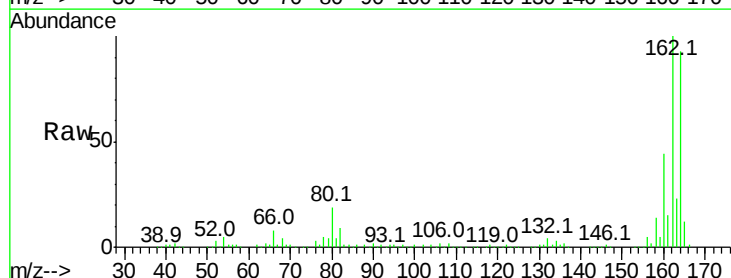
Tgt Ion: 164 Resp: 208576

Ion Ratio Lower Upper

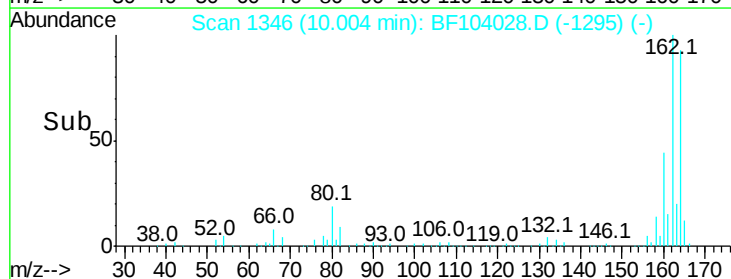
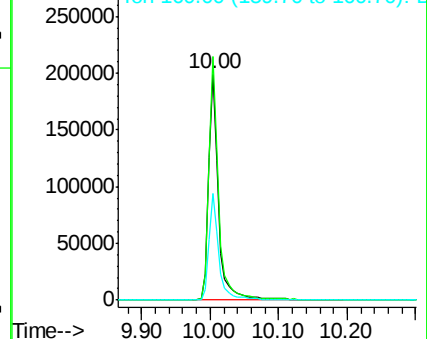
164 100

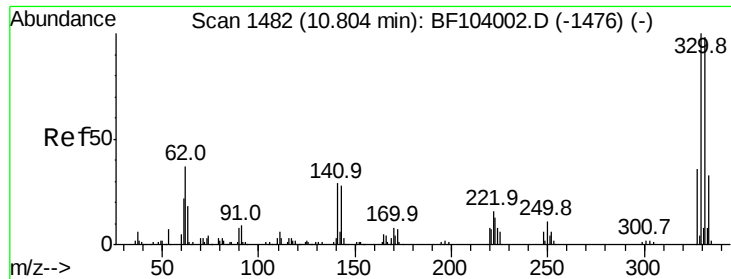
162 107.6 86.1 129.1

160 47.1 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

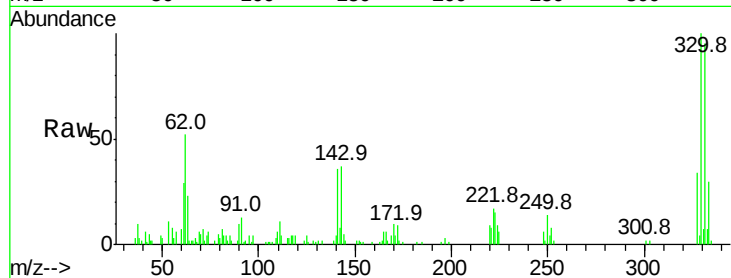




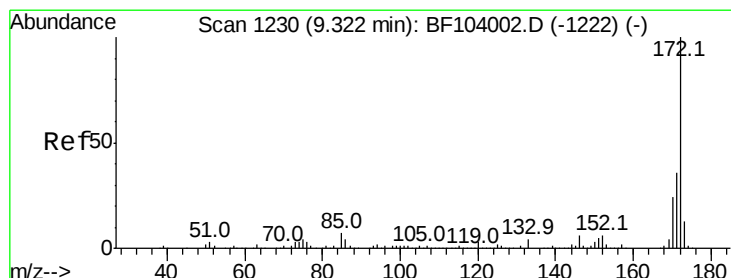
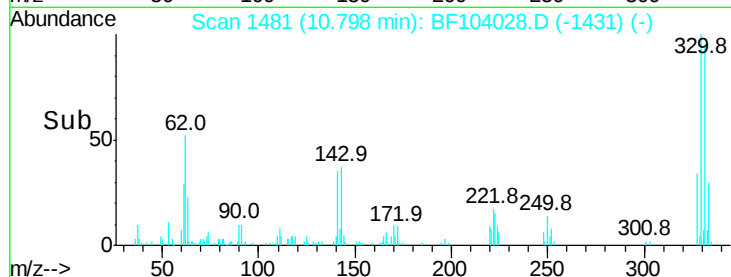
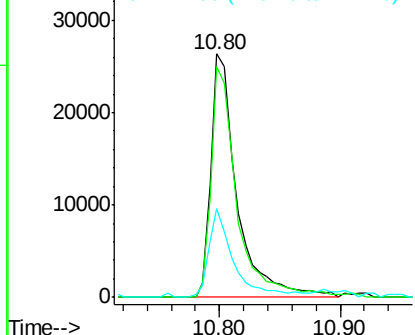
#41
 2,4,6-Tribromophenol
 Concen: 16.930 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104028.D
 Acq: 28 Mar 2018 23:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 39320
 Ion Ratio Lower Upper
 330 100
 332 93.7 77.0 115.6
 141 34.5 29.9 44.9

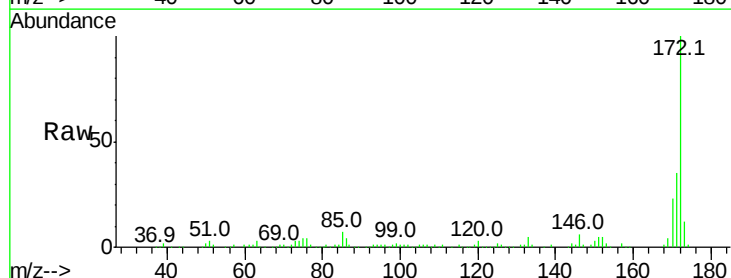


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

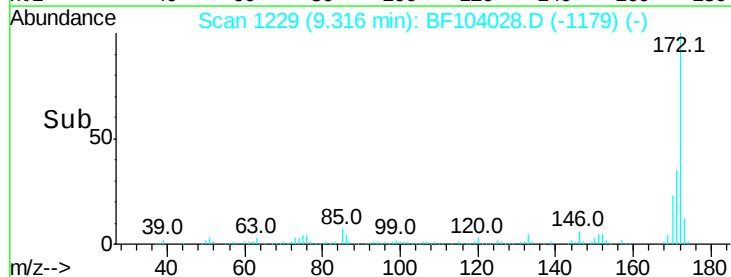
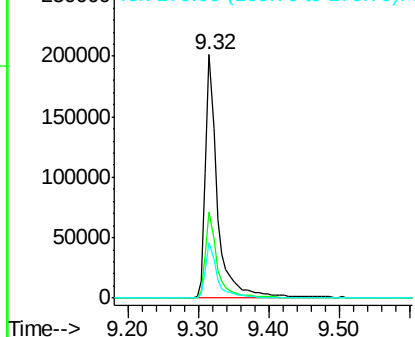


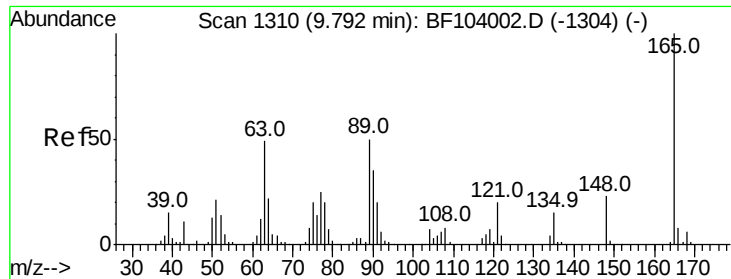
#44
 2-Fluorobiphenyl
 Concen: 18.289 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104028.D
 Acq: 28 Mar 2018 23:21

Tgt Ion:172 Resp: 241912
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 22.7 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

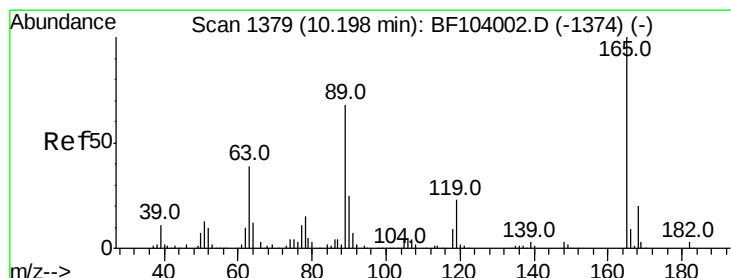
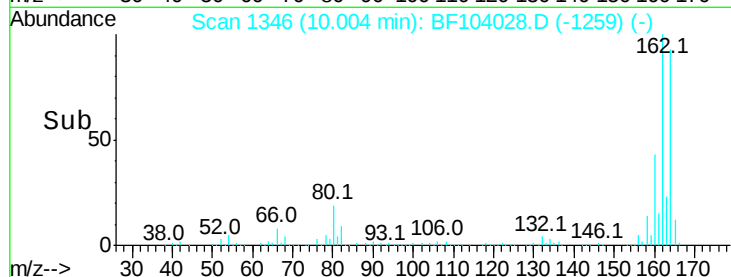
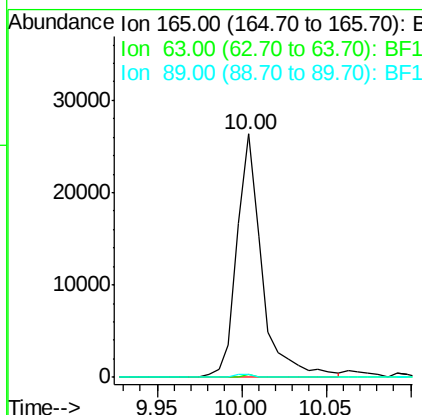
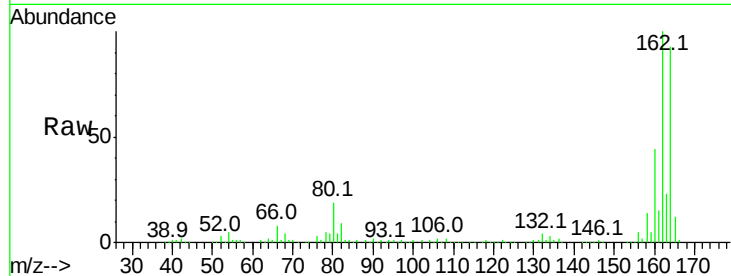




#50
 2,6-Dinitrotoluene
 Concen: 7.636 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. 0.21 min
 Lab File: BF104028.D
 Acq: 28 Mar 2018 23:21

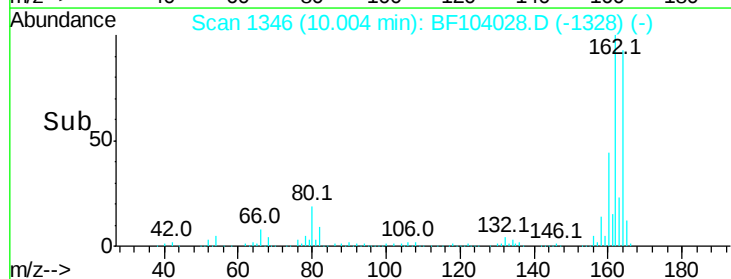
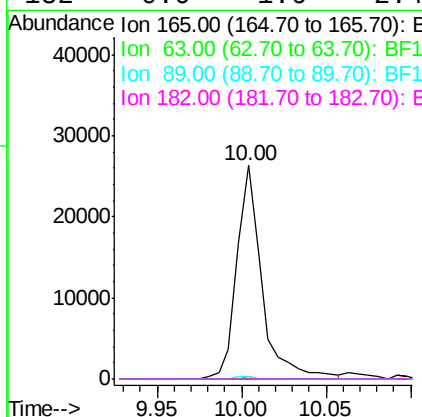
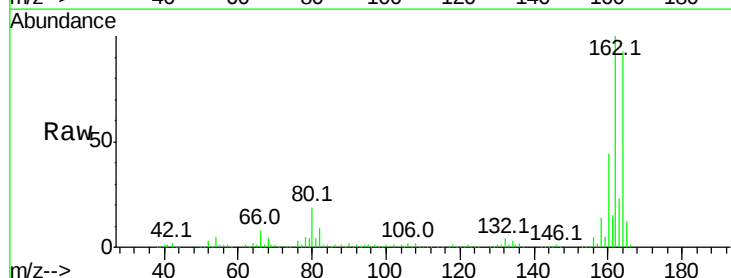
Instrument :
 BNA_F
 ClientSampleId :

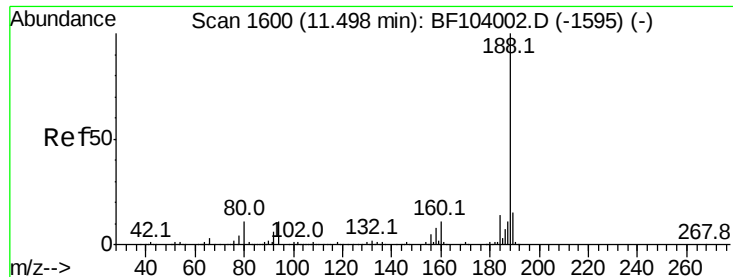
Tot Ion:165 Resp: 27052
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 1.5 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.984 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.19 min
 Lab File: BF104028.D
 Acq: 28 Mar 2018 23:21

Tgt Ion:165 Resp: 27052
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#

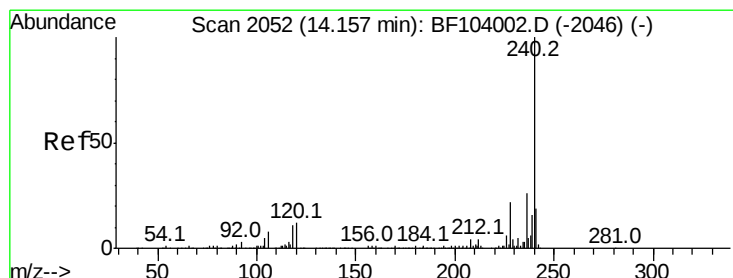
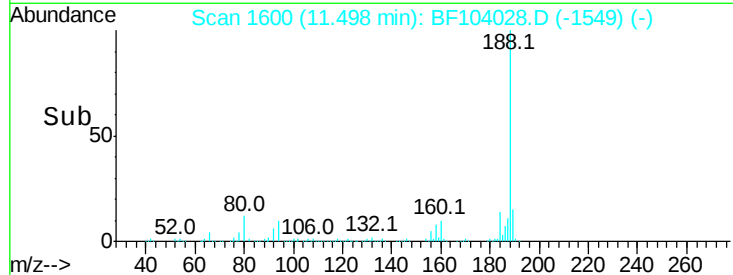
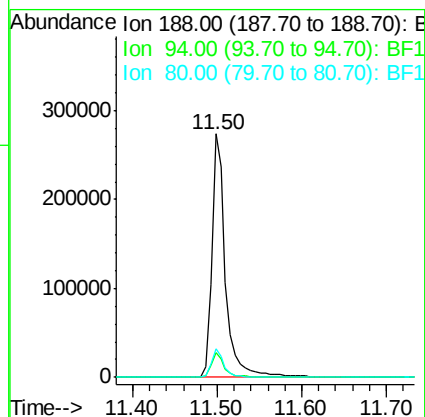
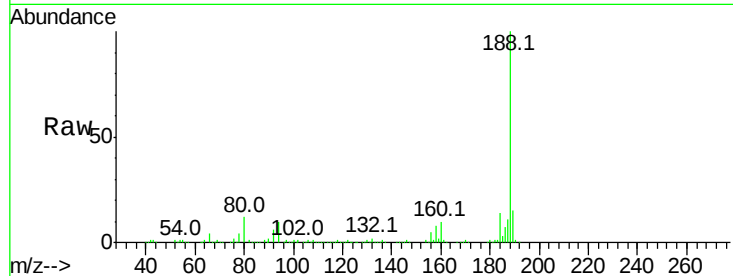




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104028.D
Acq: 28 Mar 2018 23:21

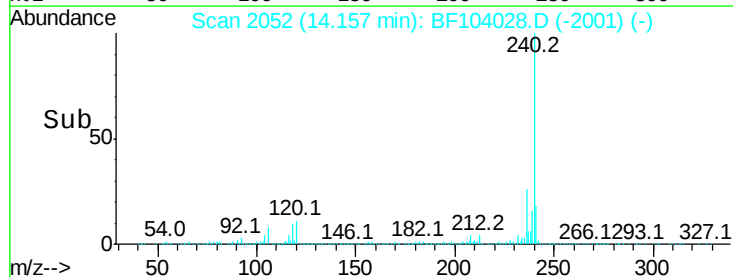
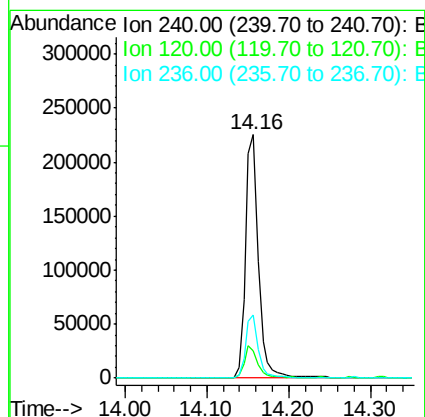
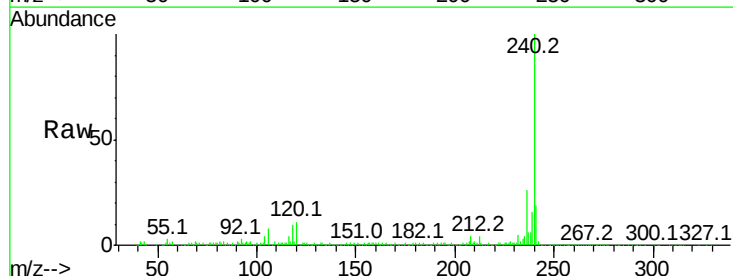
Instrument :
BNA_F
ClientSampleId :

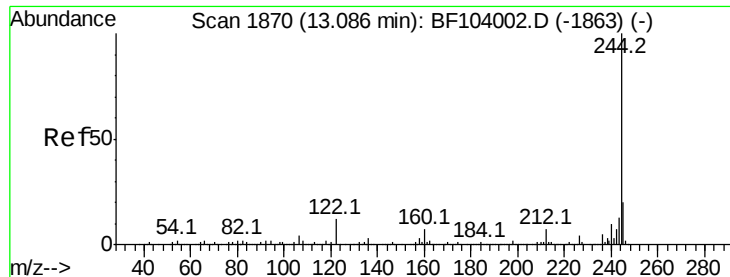
Tot Ion:188 Resp: 310514
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.8 9.2 13.8



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF104028.D
Acq: 28 Mar 2018 23:21

Tgt Ion:240 Resp: 249923
Ion Ratio Lower Upper
240 100
120 11.5 9.5 14.3
236 25.8 20.7 31.1

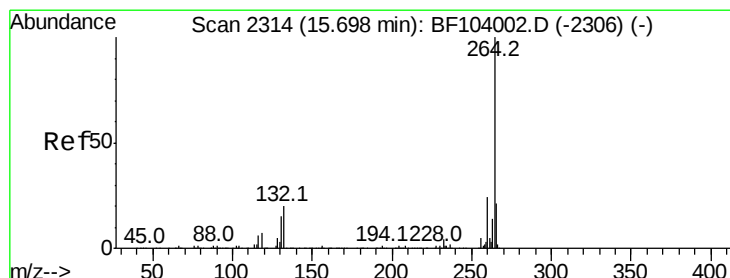
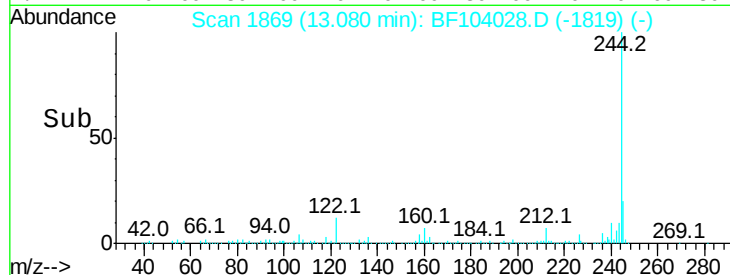
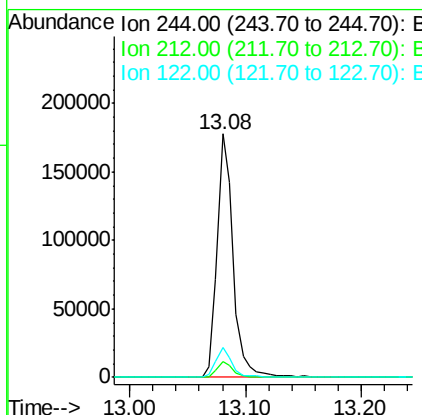
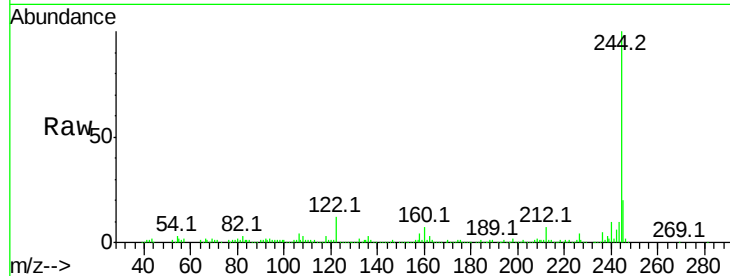




#78
 Terphenyl-d14
 Concen: 15.785 ng
 RT: 13.08 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: BF104028.D
 Acq: 28 Mar 2018 23:21

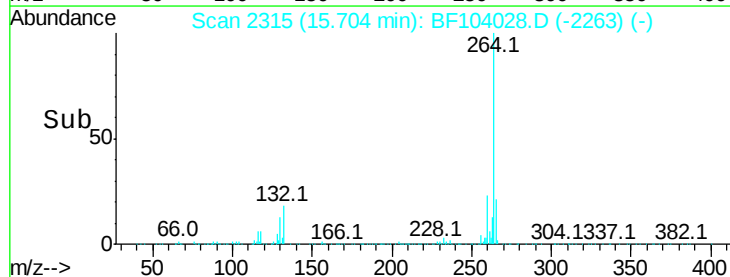
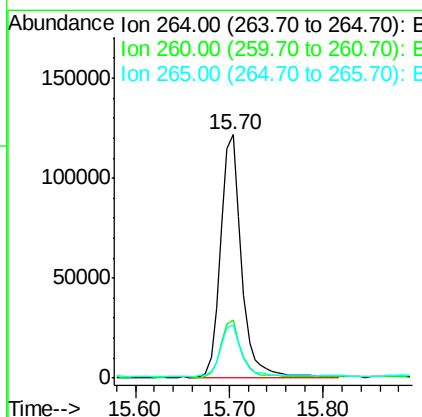
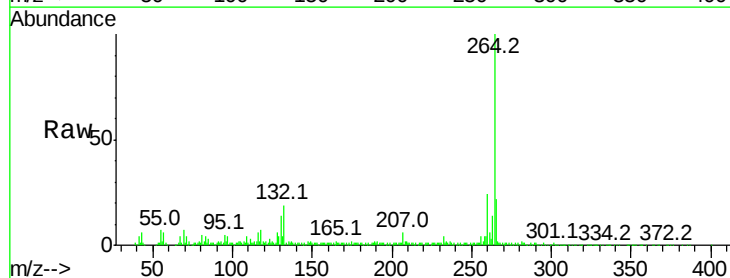
Instrument :
 BNA_F
 ClientSampleId :

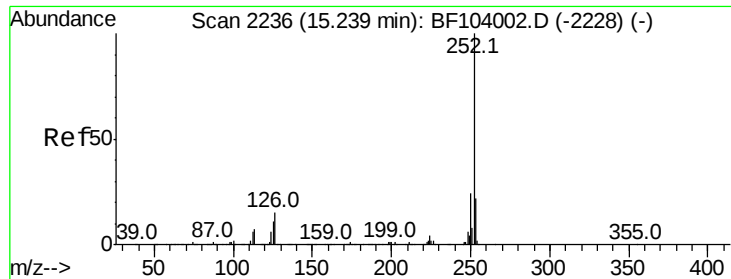
Tot Ion:244 Resp: 170853
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.3 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. 0.01 min
 Lab File: BF104028.D
 Acq: 28 Mar 2018 23:21

Tgt Ion:264 Resp: 187752
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.6 17.5 26.3

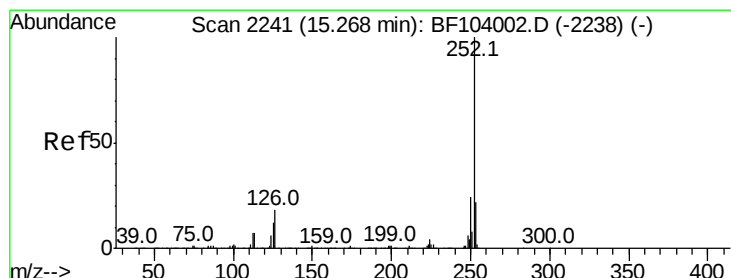
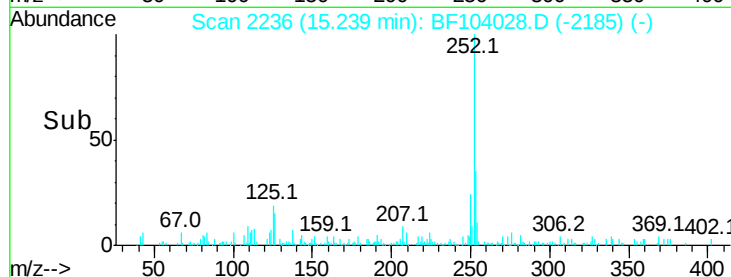
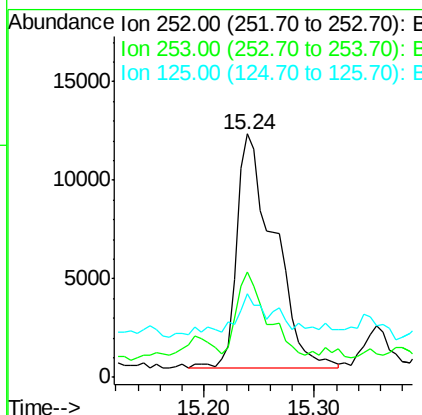
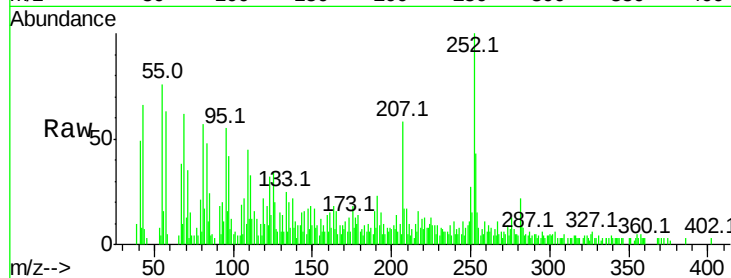




#87
Benzo(b)fluoranthene
Concen: 2.466 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104028.D
Acq: 28 Mar 2018 23:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 28173
Ion Ratio Lower Upper
252 100
253 43.1 17.0 25.6#
125 34.2 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.617 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF104028.D
Acq: 28 Mar 2018 23:21

Tgt Ion:252 Resp: 28173
Ion Ratio Lower Upper
252 100
253 43.1 17.9 26.9#
125 34.2 10.2 15.2#

