

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104866.D
 Acq On : 27 Apr 2018 6:57
 Operator : JU/SJ
 Sample : J2520-09 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 11:10:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

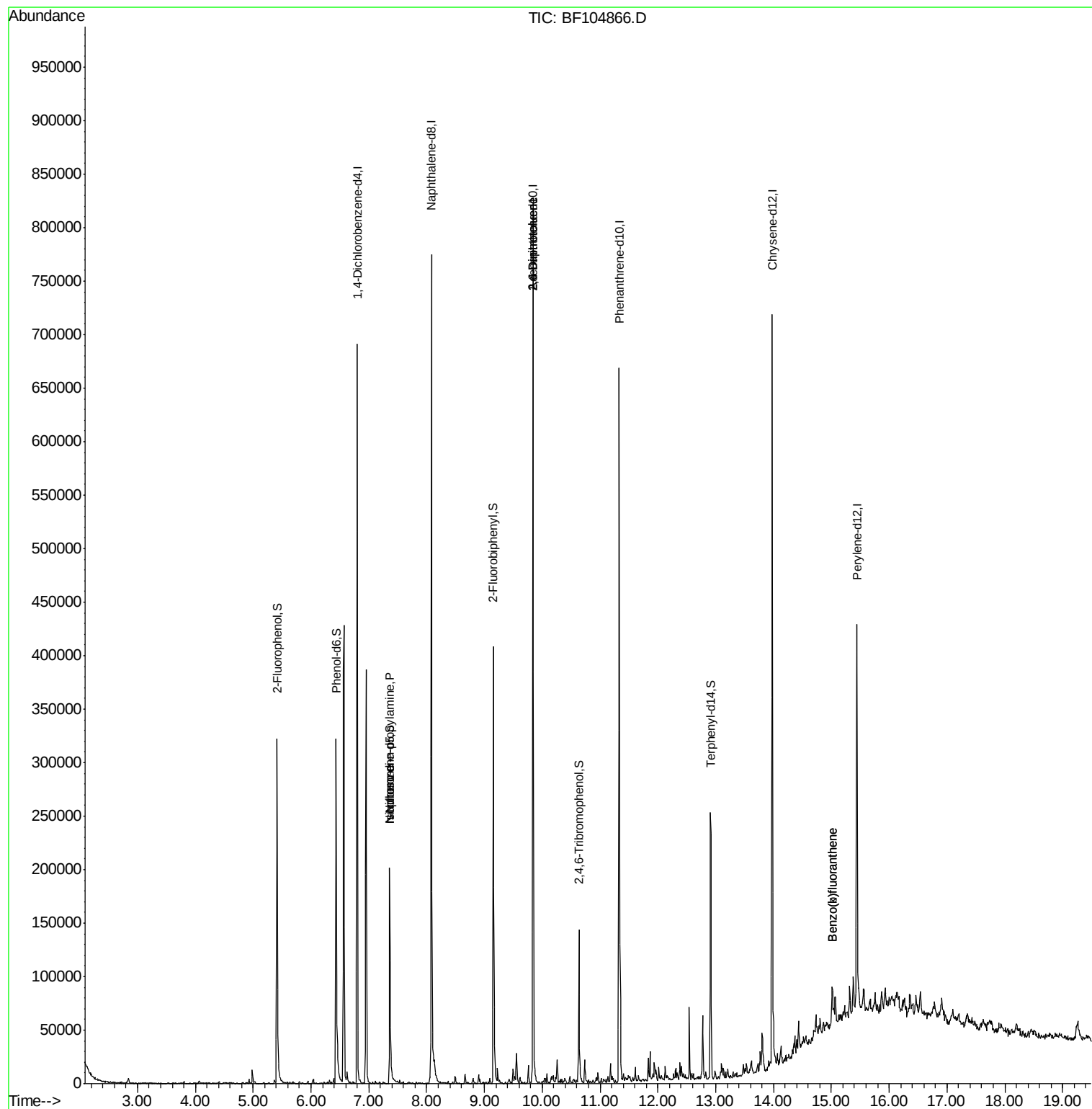
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102112	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	406819	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	163940	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	248970	20.00	ng	0.00
75) Chrysene-d12	13.97	240	225473	20.00	ng	-0.01
86) Perylene-d12	15.44	264	160615	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	118673	17.77	ng	0.00
7) Phenol-d6	6.43	99	145721	17.76	ng	-0.01
23) Nitrobenzene-d5	7.36	82	85813	13.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	20806	12.23	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	152333	14.68	ng	0.00
78) Terphenyl-d14	12.92	244	87011	8.80	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	347	Below Cal	Qvalue 91	
19) n-Nitroso-di-n-propylamine	7.36	70	10785	2.011 ng	#	74
25) Isophorone	7.36	82	85813	6.514 ng	#	64
50) 2,6-Dinitrotoluene	9.84	165	21584	9.023 ng	#	25
56) 2,4-Dinitrotoluene	9.84	165	21584	6.879 ng	#	22
76) Benzidine	12.91	184	873	Below Cal	#	66
87) Benzo(b)fluoranthene	15.02	252	23557	2.322 ng	#	93
88) Benzo(k)fluoranthene	15.02	252	23557	2.460 ng	#	96

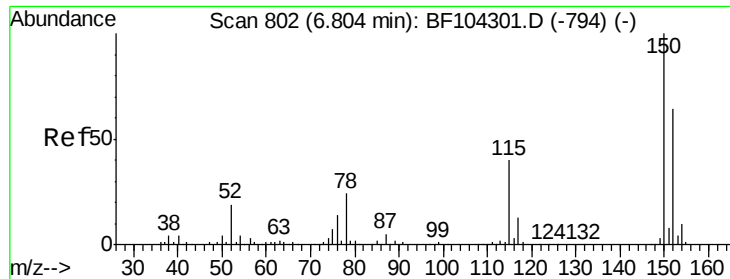
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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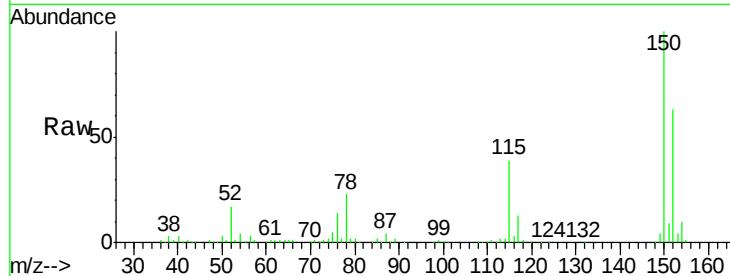


#1

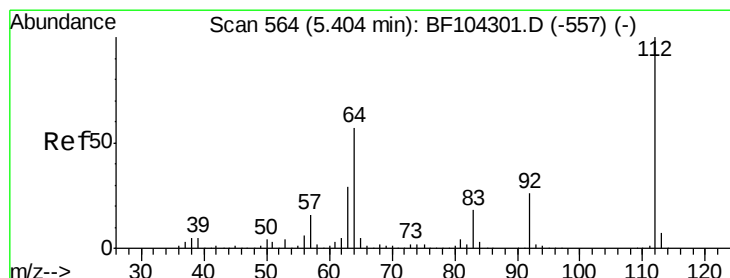
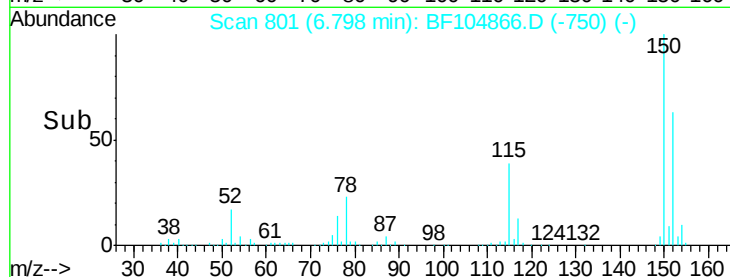
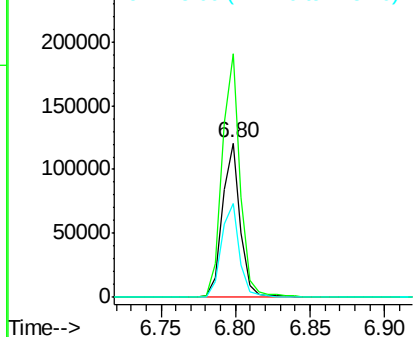
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104866.D
Acq: 27 Apr 2018 6:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102112
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 60.9 50.1 75.1



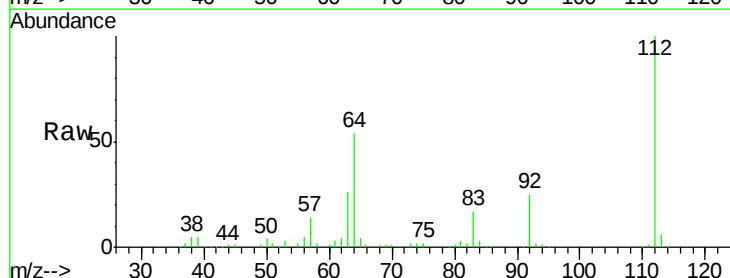
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



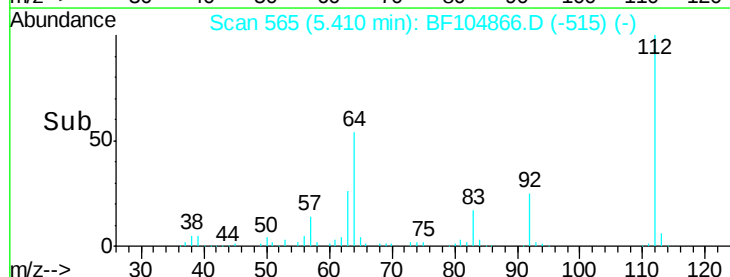
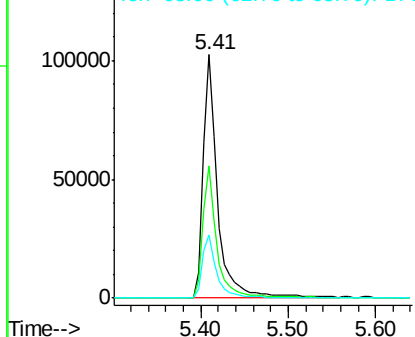
#5

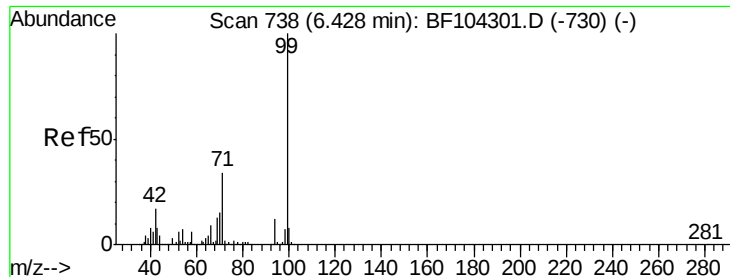
2-Fluorophenol
Concen: 17.770 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104866.D
Acq: 27 Apr 2018 6:57

Tgt Ion:112 Resp: 118673
Ion Ratio Lower Upper
112 100
64 54.2 47.9 71.9
63 26.2 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: 17.760 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104866.D

Acq: 27 Apr 2018 6:57

Instrument :

BNA_F

ClientSampleId :

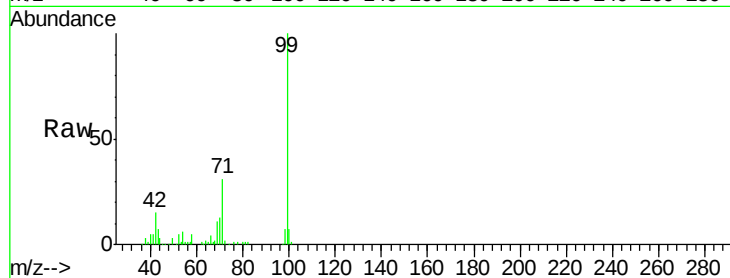
Tot Ion: 99 Resp: 145721

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

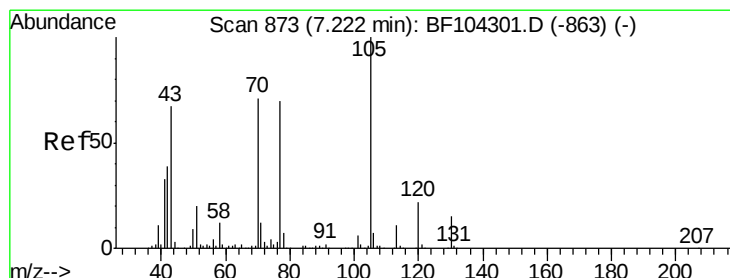
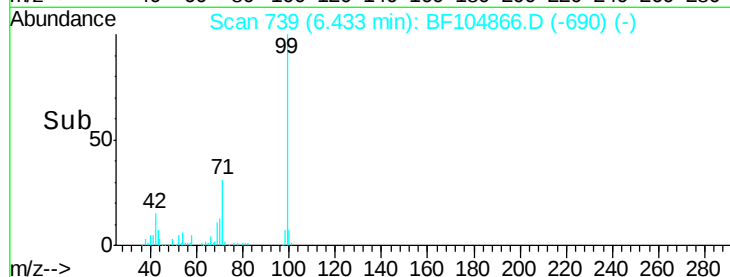
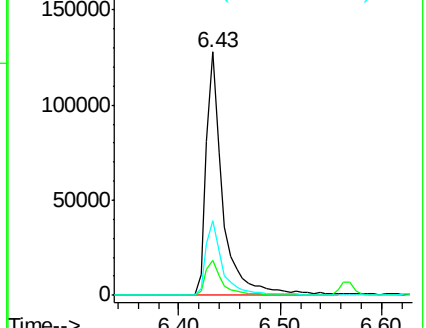
71 30.7 25.4 38.0



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: 2.011 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104866.D

Acq: 27 Apr 2018 6:57

Tgt Ion: 70 Resp: 10785

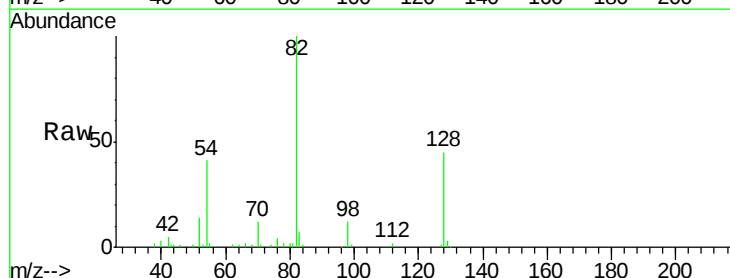
Ion Ratio Lower Upper

70 100

42 42.8 47.5 71.3#

101 0.0 7.4 11.2#

130 4.0 16.6 25.0#

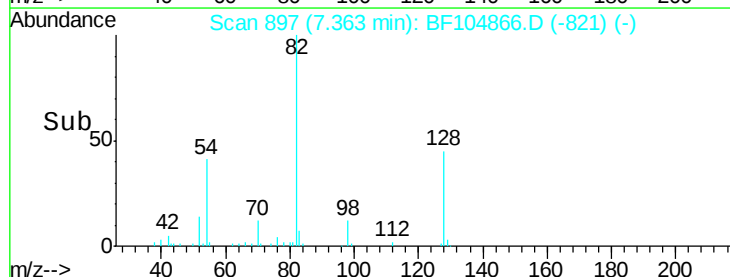
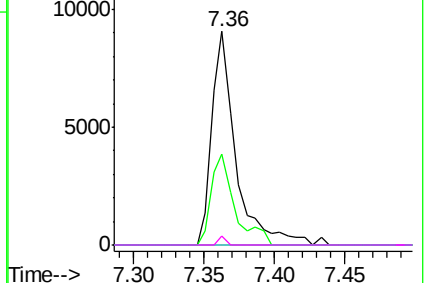


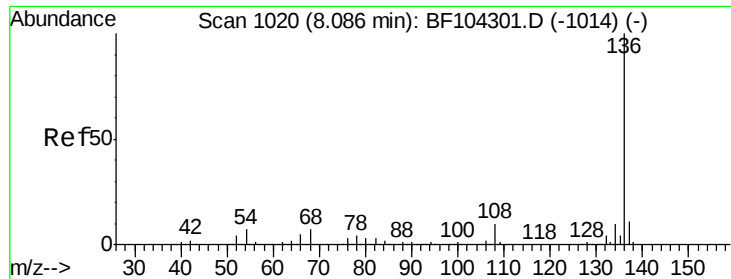
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

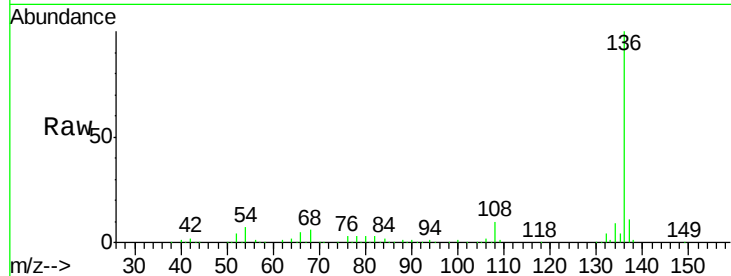




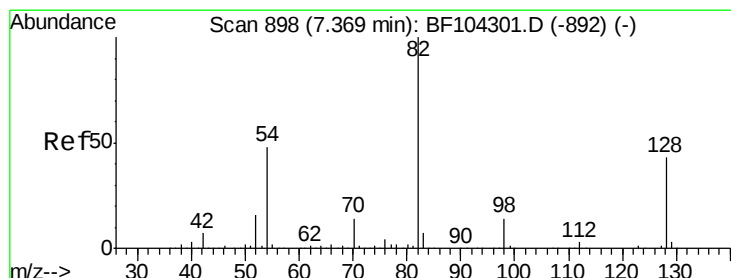
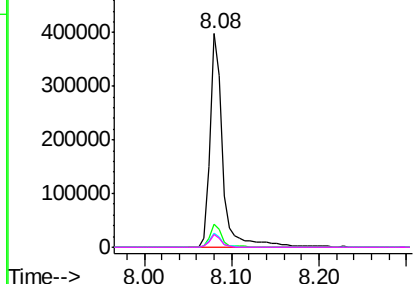
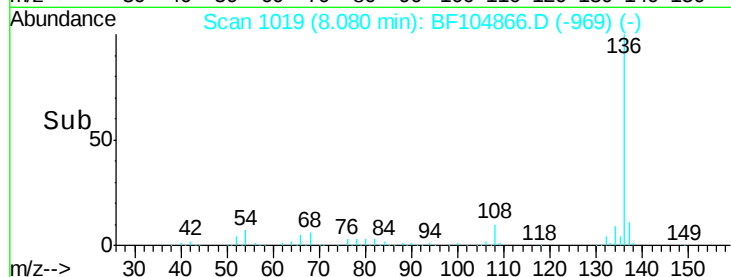
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104866.D
Acq: 27 Apr 2018 6:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	406819
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	6.8	6.6 9.8
68	5.9	5.0 7.4

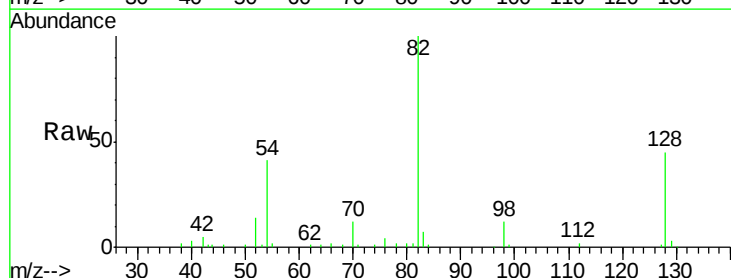


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

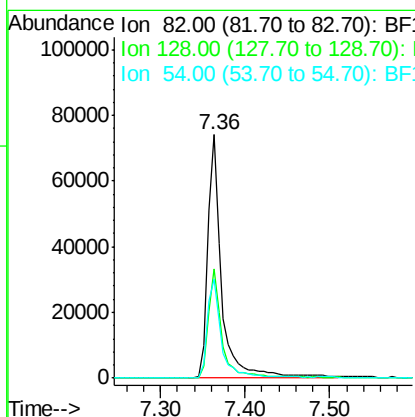
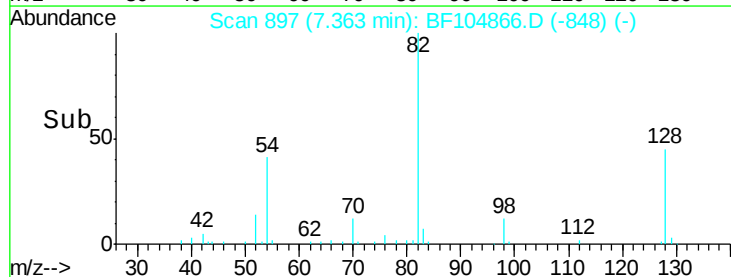


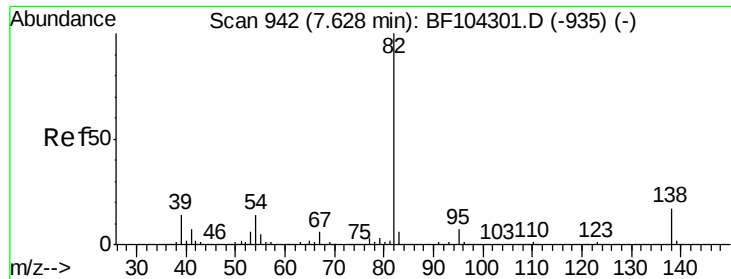
#23
Nitrobenzene-d5
Concen: 13.774 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104866.D
Acq: 27 Apr 2018 6:57

Tgt Ion: 82	Resp:	85813
Ion	Ratio	Lower Upper
82	100	
128	44.7	36.1 54.1
54	40.7	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

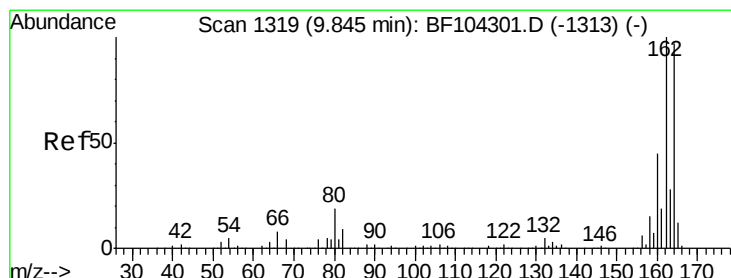
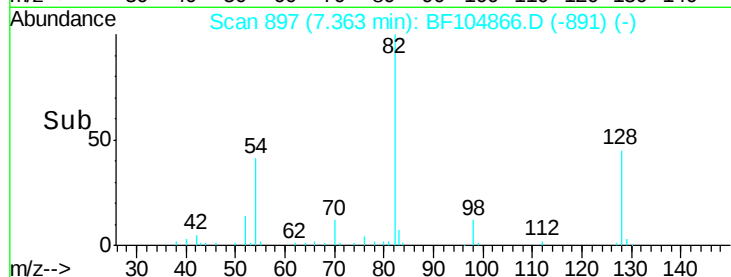
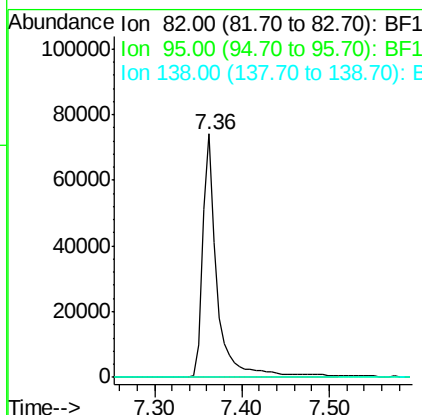
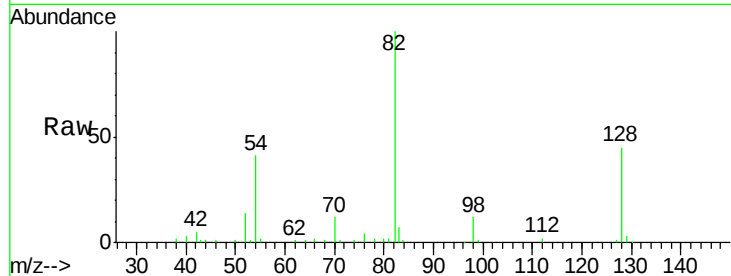




#25
Isophorone
Concen: 6.514 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.27 min
Lab File: BF104866.D
Acq: 27 Apr 2018 6:57

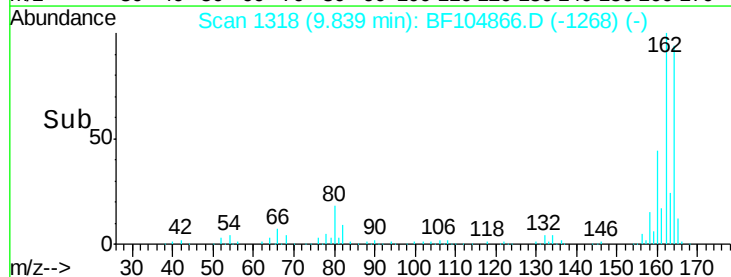
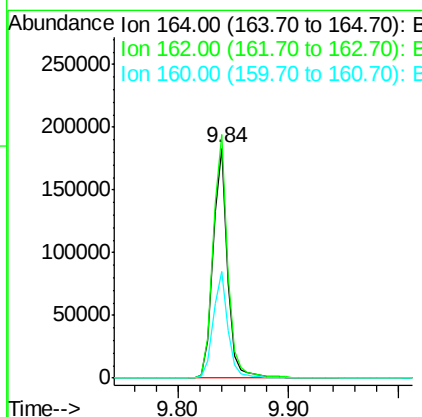
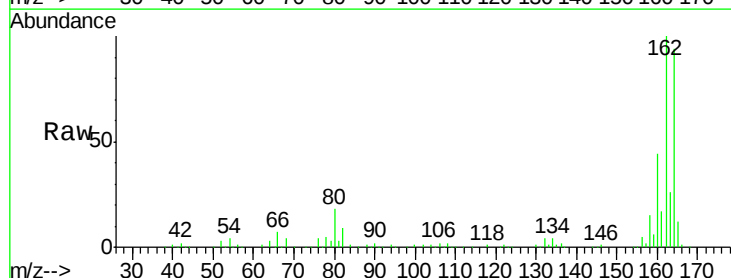
Instrument :
BNA_F
ClientSampled :

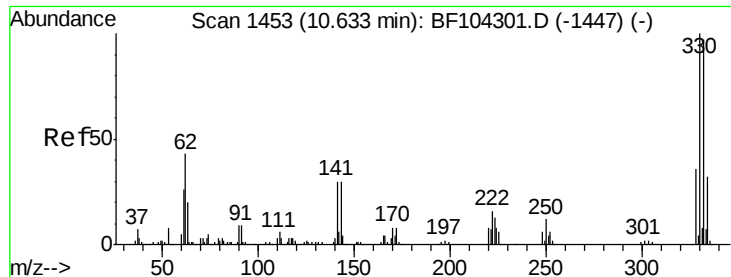
Tot Ion: 82 Resp: 85813
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104866.D
Acq: 27 Apr 2018 6:57

Tgt Ion:164 Resp: 163940
Ion Ratio Lower Upper
164 100
162 106.0 86.1 129.1
160 46.4 38.3 57.5

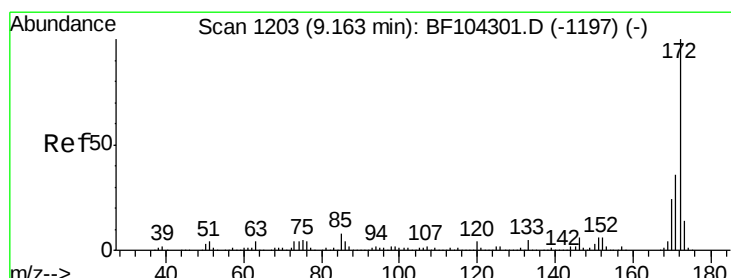
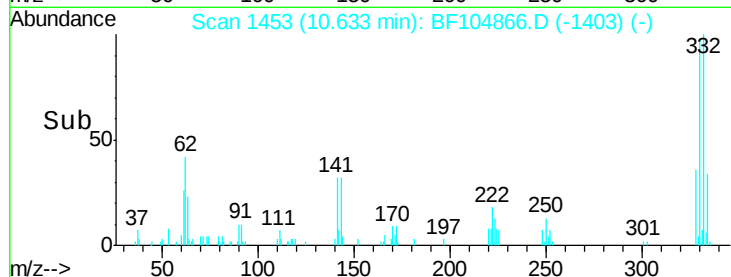
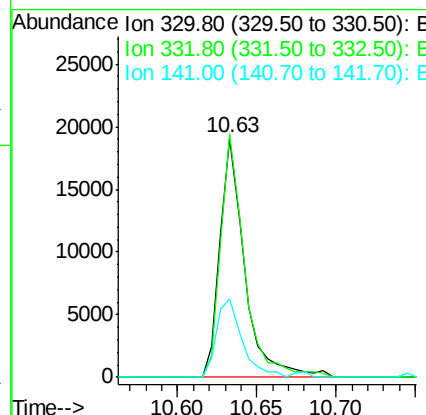
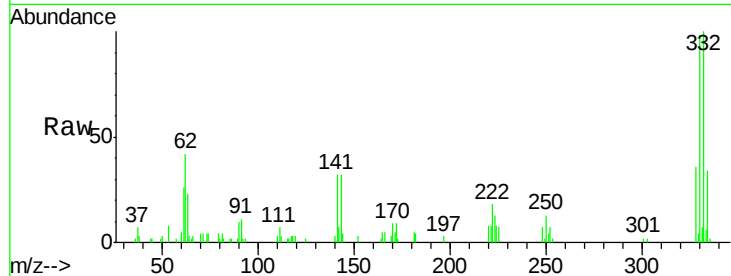




#41
 2,4,6-Tribromophenol
 Concen: 12.235 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104866.D
 Acq: 27 Apr 2018 6:57

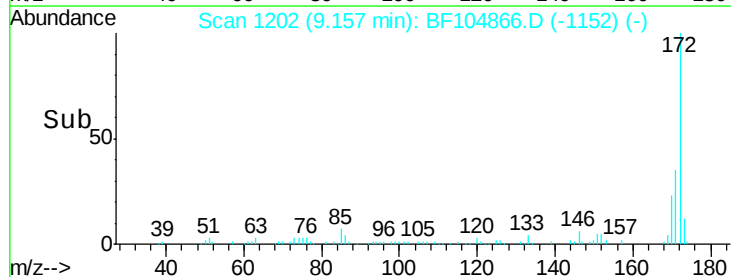
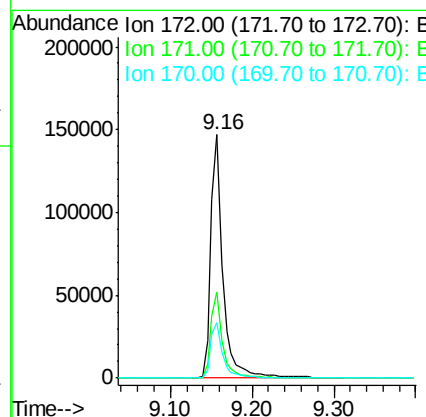
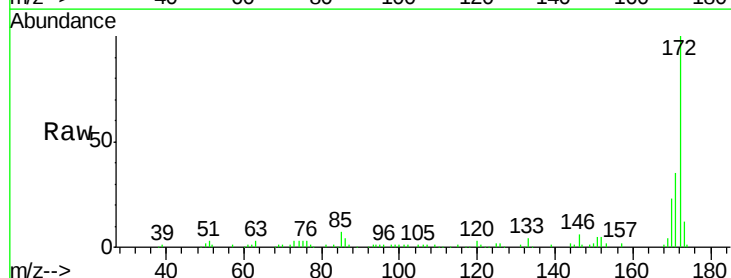
Instrument :
 BNA_F
 ClientSampled :

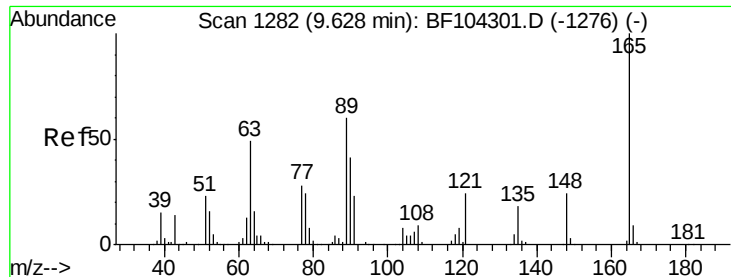
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	34.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 14.679 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104866.D
 Acq: 27 Apr 2018 6:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.0	19.6	29.4

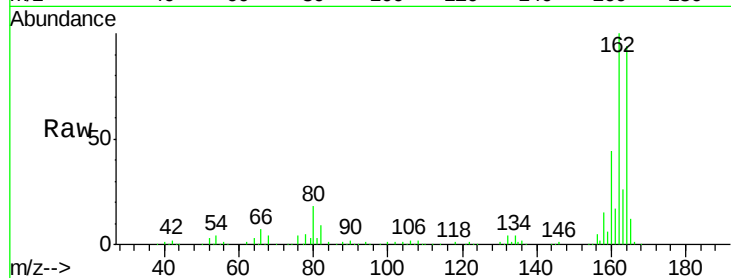




#50
2,6-Dinitrotoluene
Concen: 9.023 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF104866.D
Acq: 27 Apr 2018 6:57

Instrument :
BNA_F
ClientSampleId :

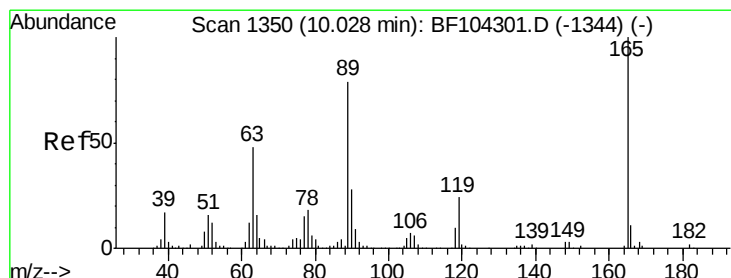
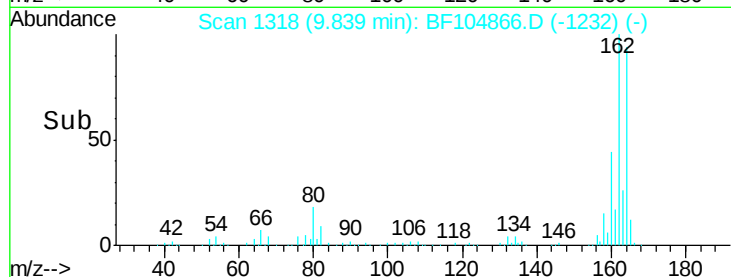
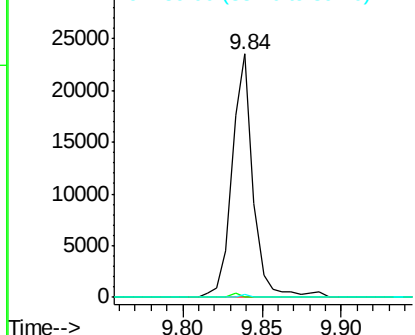
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.4	44.0	66.0#



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: 6.879 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104866.D
Acq: 27 Apr 2018 6:57

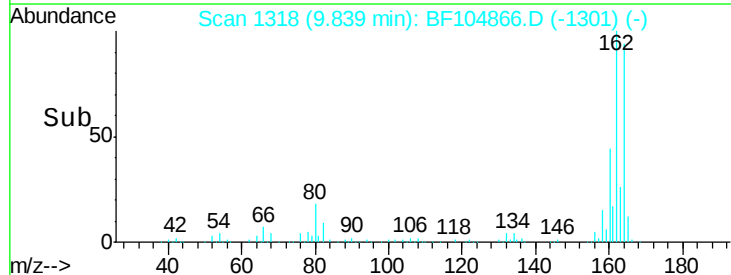
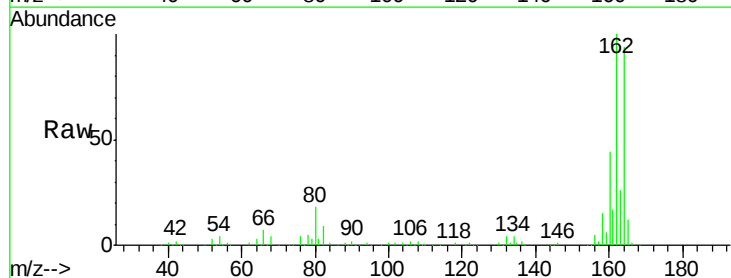
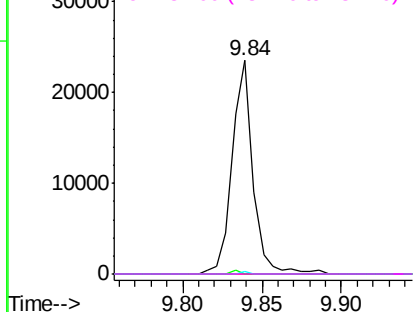
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

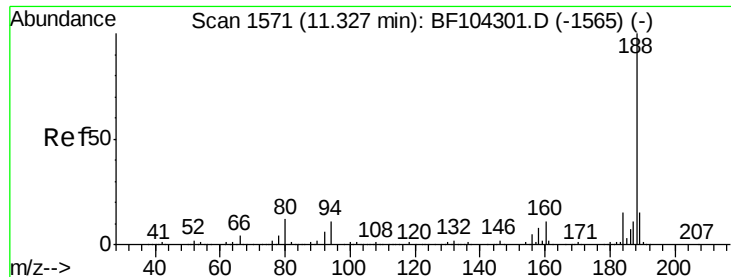
Abundance Ion 165.00 (164.70 to 165.70): E

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

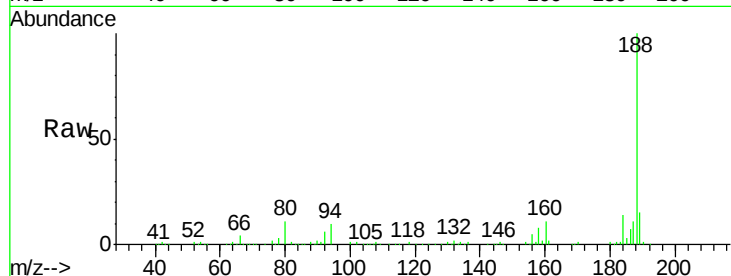




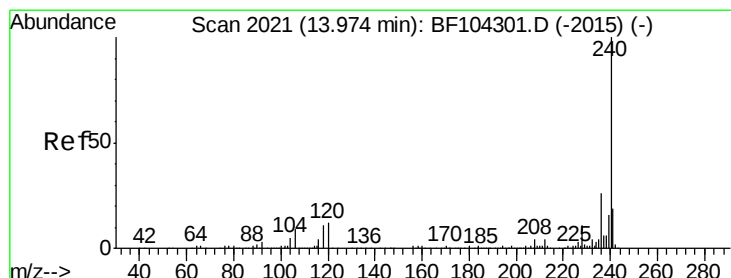
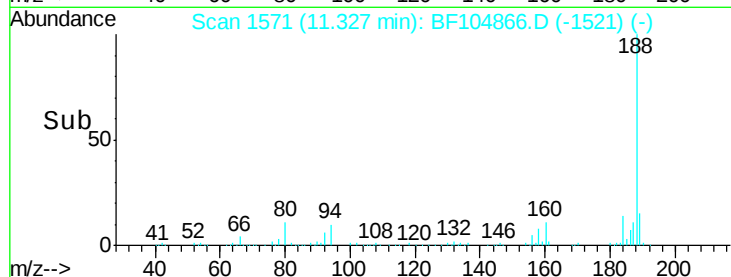
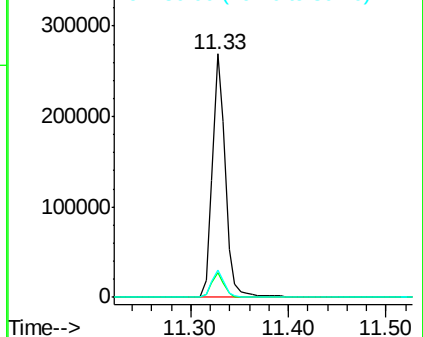
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104866.D
Acq: 27 Apr 2018 6:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 248970
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 11.1 9.2 13.8

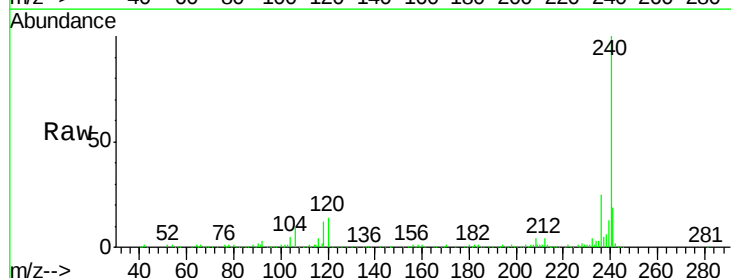


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

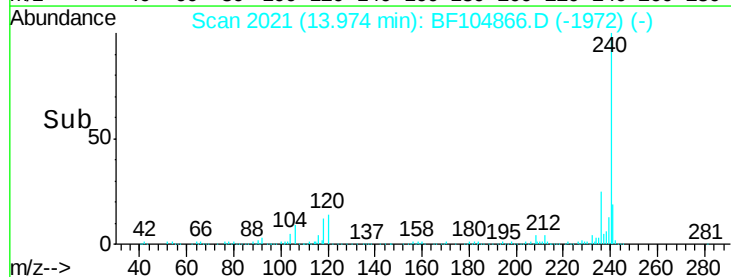
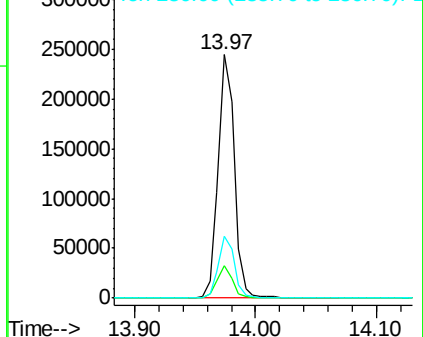


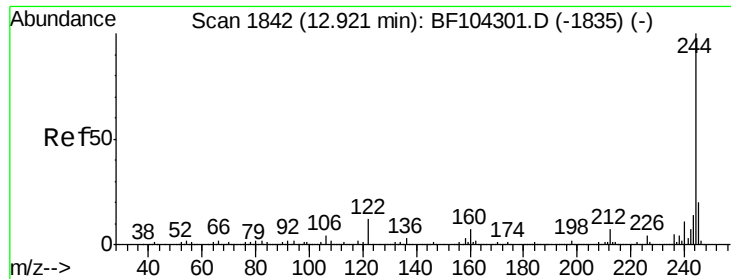
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104866.D
Acq: 27 Apr 2018 6:57

Tgt Ion:240 Resp: 225473
Ion Ratio Lower Upper
240 100
120 13.5 9.5 14.3
236 25.2 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

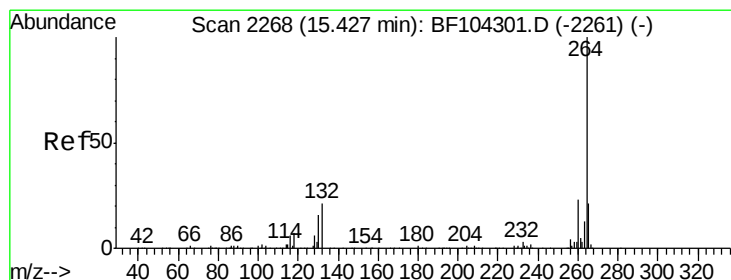
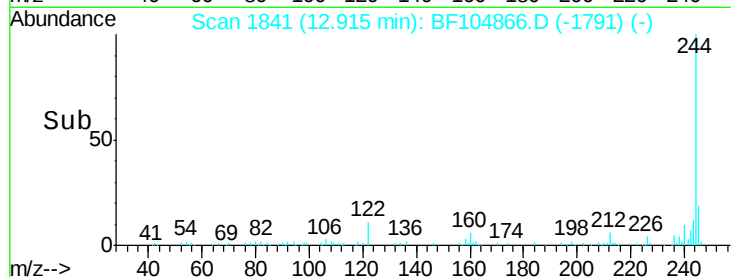
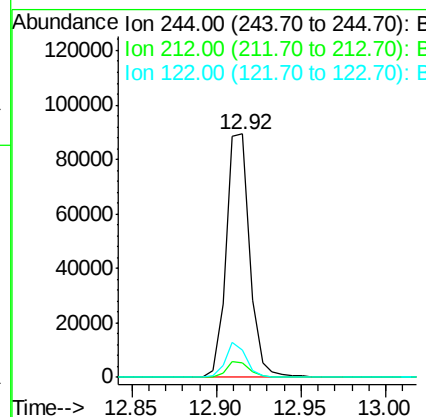
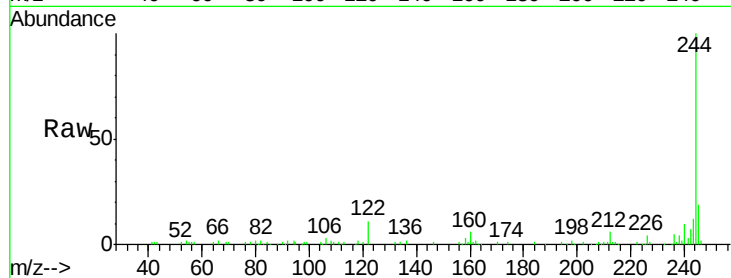




#78
 Terphenyl-d14
 Concen: 8.798 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104866.D
 Acq: 27 Apr 2018 6:57

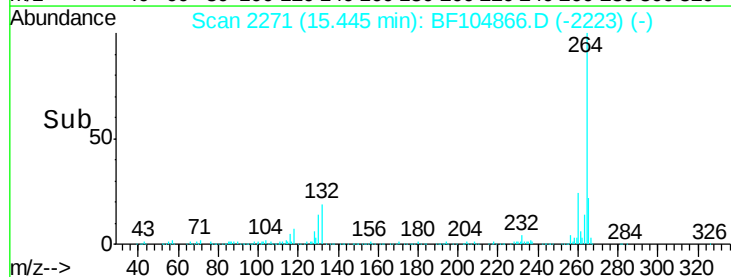
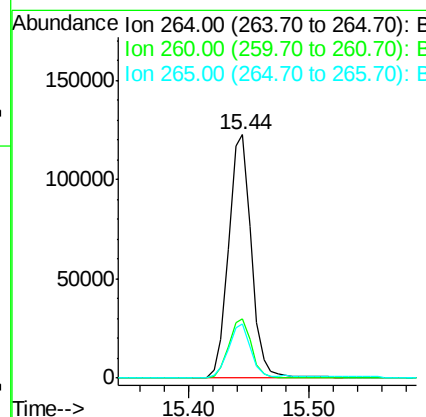
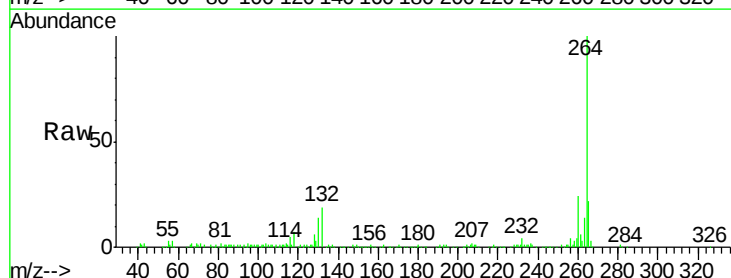
Instrument :
 BNA_F
 ClientSampleId :

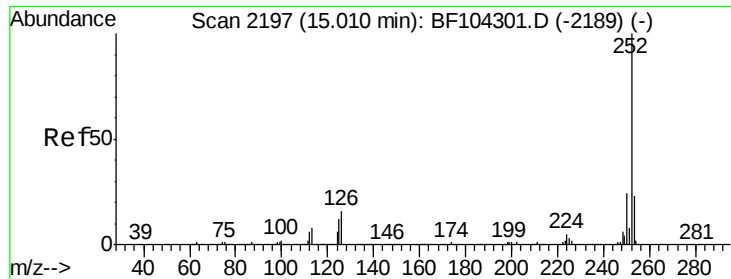
Tot Ion:244 Resp: 87011
 Ion Ratio Lower Upper
 244 100
 212 5.8 5.4 8.0
 122 11.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF104866.D
 Acq: 27 Apr 2018 6:57

Tgt Ion:264 Resp: 160615
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 22.2 17.5 26.3

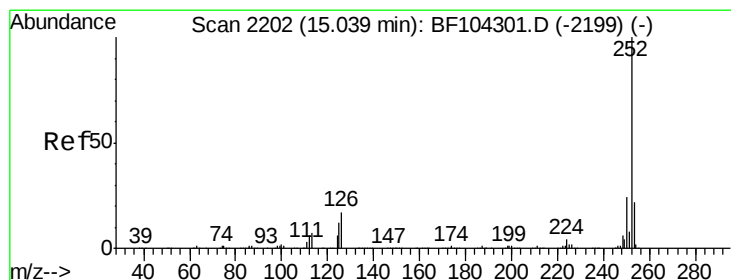
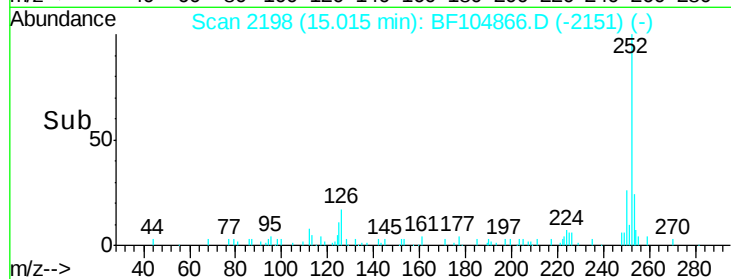
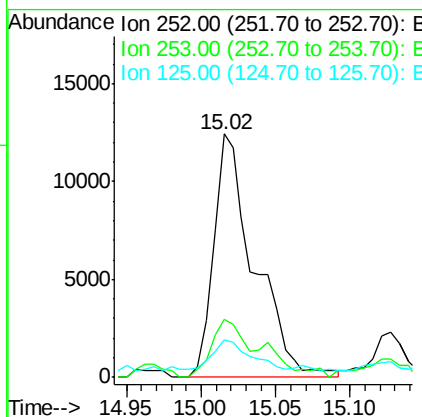
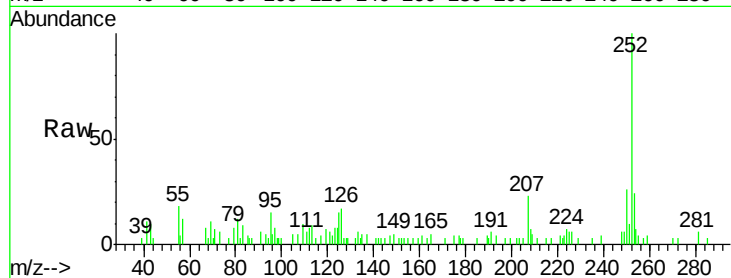




#87
Benzo(b)fluoranthene
Concen: 2.322 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF104866.D
Acq: 27 Apr 2018 6:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	15.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 2.460 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.05 min
Lab File: BF104866.D
Acq: 27 Apr 2018 6:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	15.4	10.2	15.2

