

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104506.D
 Acq On : 14 Apr 2018 5:44
 Operator : JU/SJ
 Sample : J2364-15
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 14 06:46:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

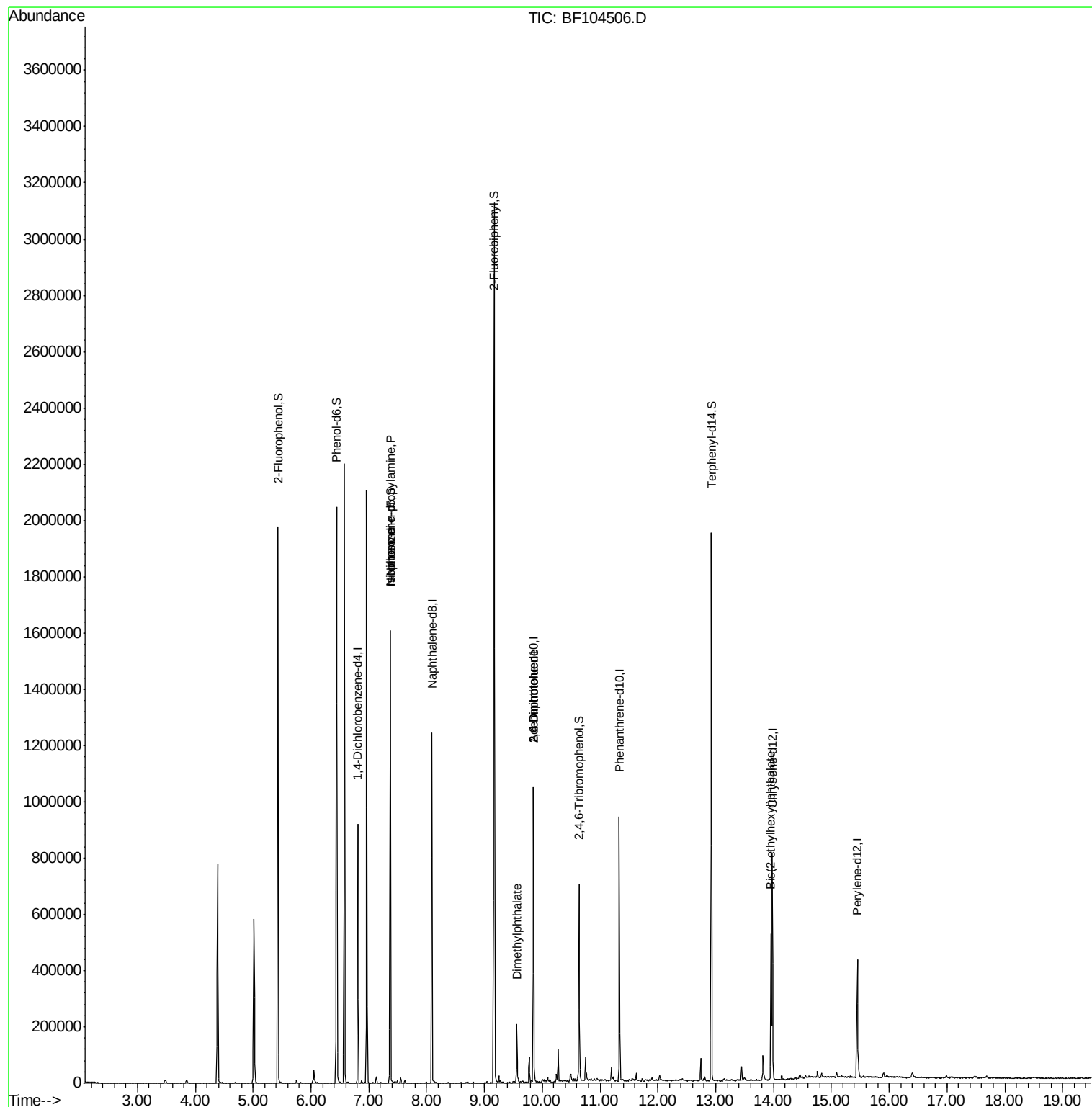
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	129158	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	520155	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	218935	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	328932	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	244968	20.00	ng	-0.01
86) Perylene-d12	15.45	264	198894	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	537526	63.64	ng	0.00
7) Phenol-d6	6.45	99	764695	73.68	ng	0.00
23) Nitrobenzene-d5	7.37	82	522462	65.59	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	92125	40.56	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	939872	67.82	ng	0.00
78) Terphenyl-d14	12.93	244	678757	63.17	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	1201	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	69188	10.202 ng	#	72
25) Isophorone	7.37	82	522455	31.016 ng	#	64
49) Dimethylphthalate	9.56	163	88747	5.140 ng		97
50) 2,6-Dinitrotoluene	9.85	165	27279	8.539 ng	#	26
56) 2,4-Dinitrotoluene	9.85	165	27279	6.510 ng	#	23
76) Benzidine	12.92	184	8836	Below Cal	#	94
83) Bis(2-ethylhexyl)phthalate	13.96	149	141569	12.866 ng		98

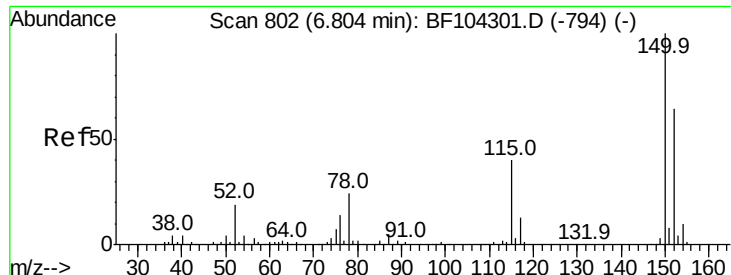
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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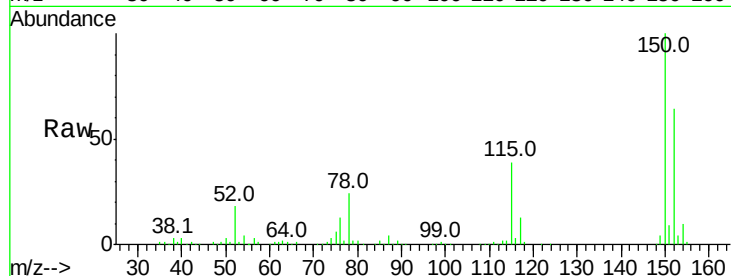


#1

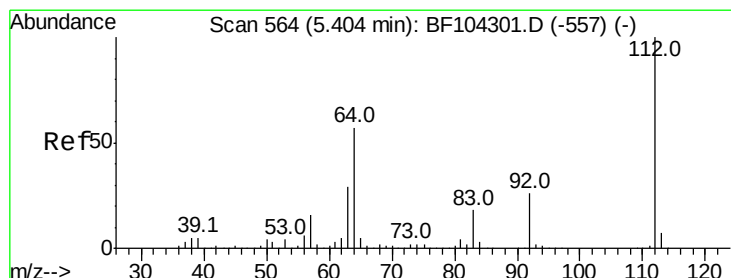
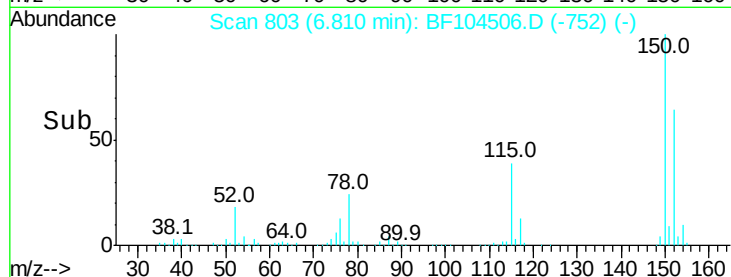
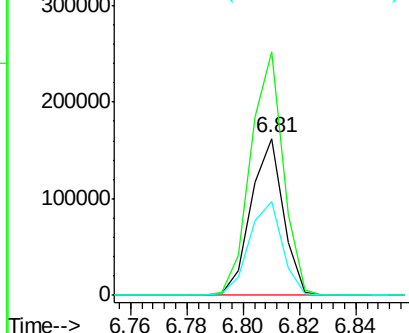
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104506.D
Acq: 14 Apr 2018 5:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 129158
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 60.2 50.1 75.1



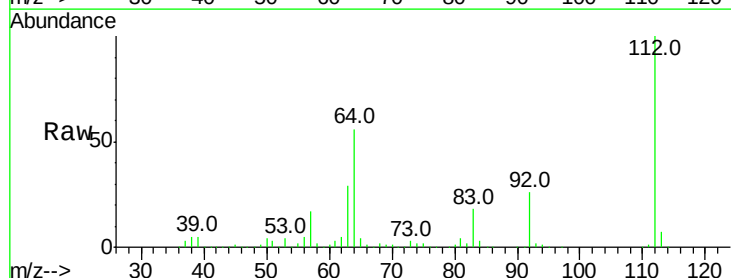
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



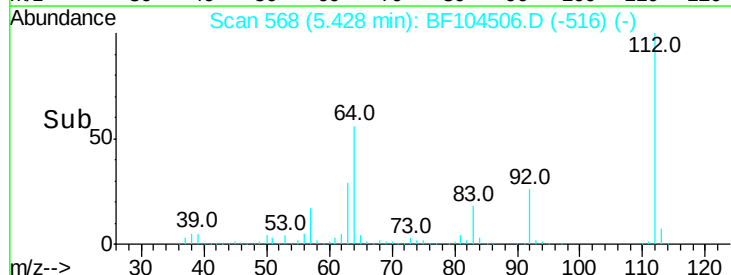
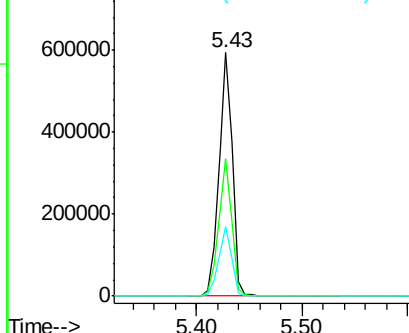
#5

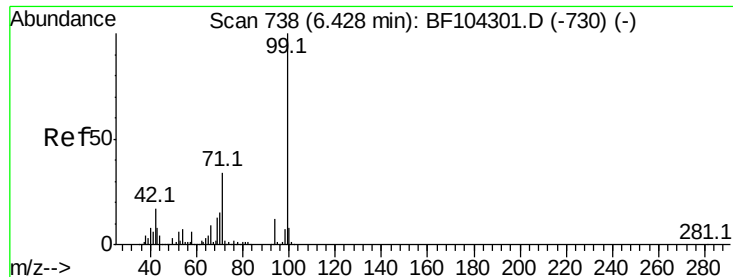
2-Fluorophenol
Concen: 63.636 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104506.D
Acq: 14 Apr 2018 5:44

Tgt Ion:112 Resp: 537526
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 28.8 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: 73.681 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104506.D

Acq: 14 Apr 2018 5:44

Instrument :

BNA_F

ClientSampled :

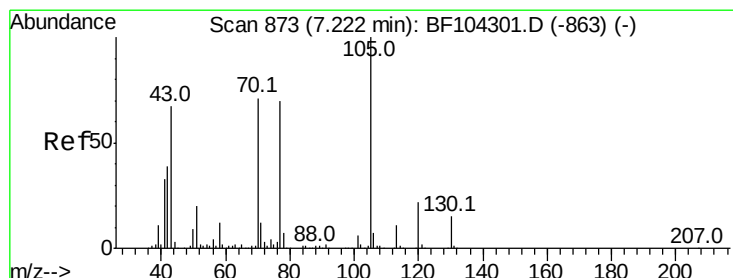
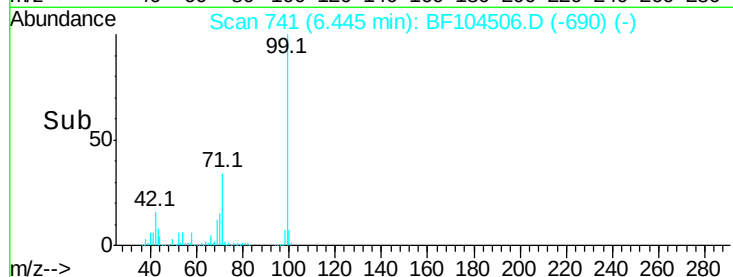
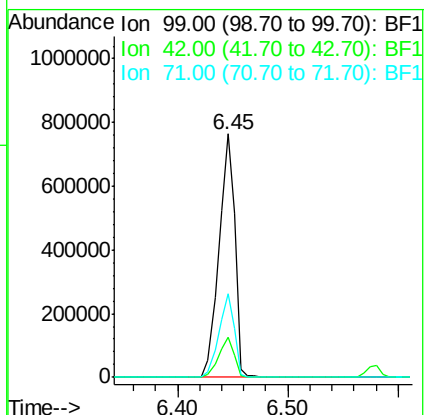
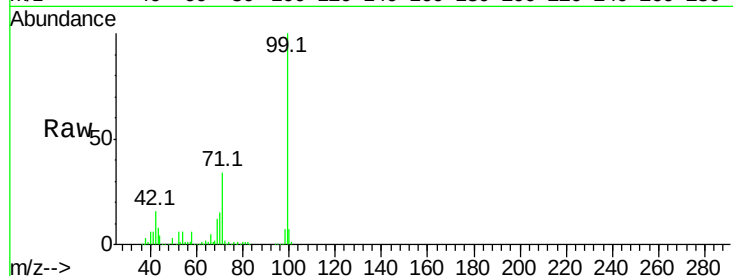
Tot Ion: 99 Resp: 764695

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 34.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.202 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104506.D

Acq: 14 Apr 2018 5:44

Tgt Ion: 70 Resp: 69188

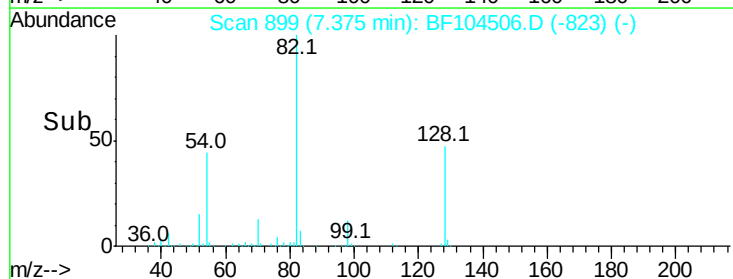
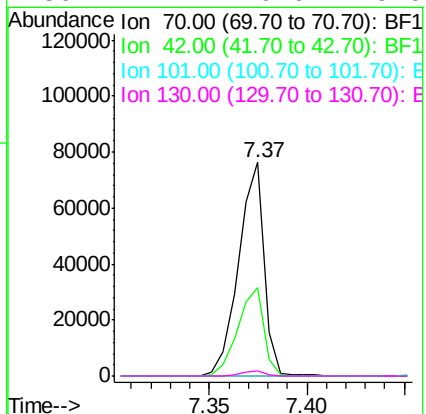
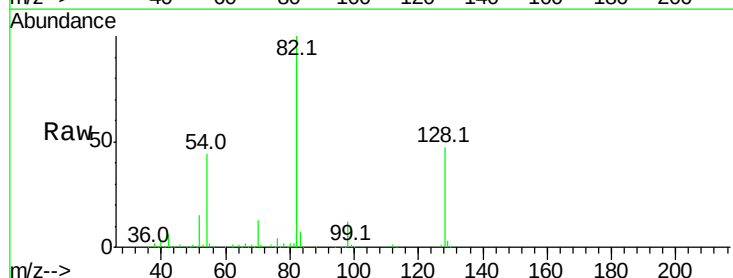
Ion Ratio Lower Upper

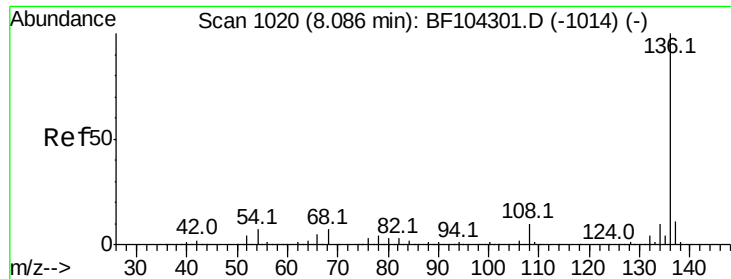
70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

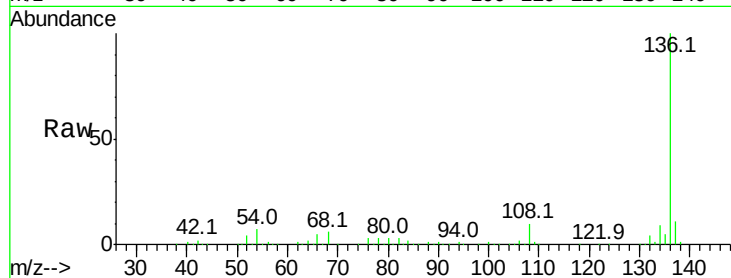




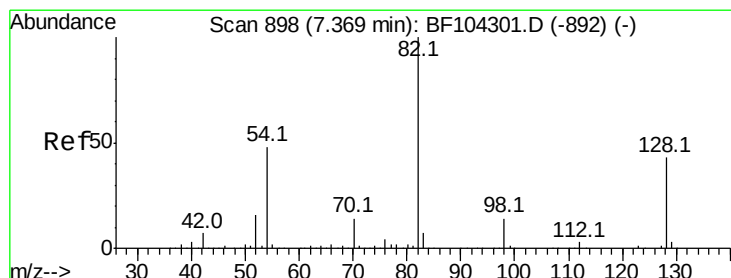
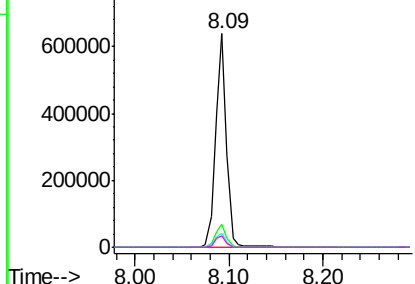
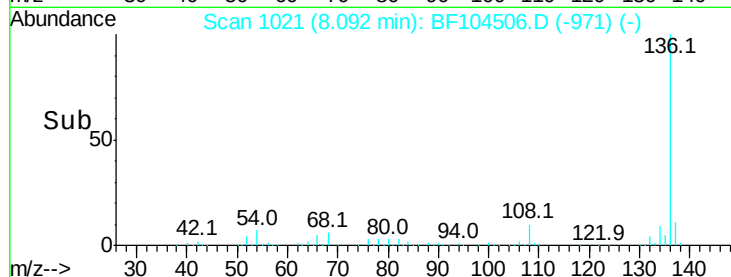
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104506.D
Acq: 14 Apr 2018 5:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	520155
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.6	6.6	9.8
68	5.6	5.0	7.4

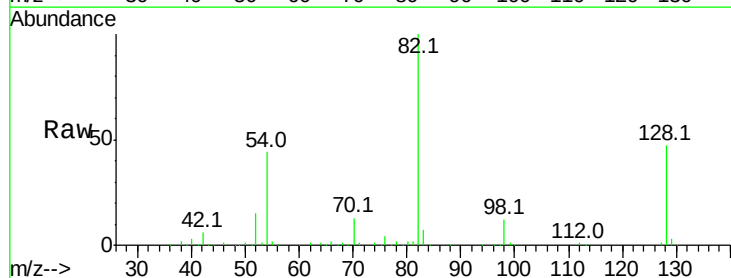


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

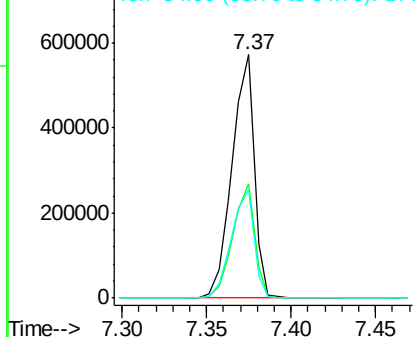
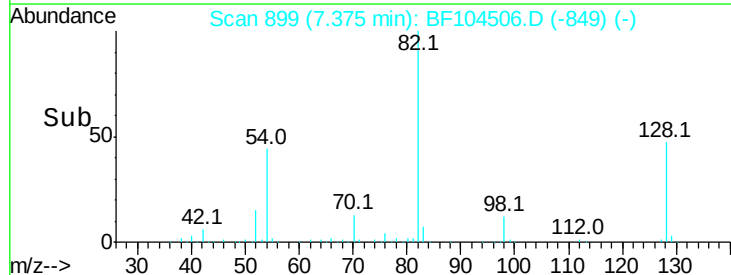


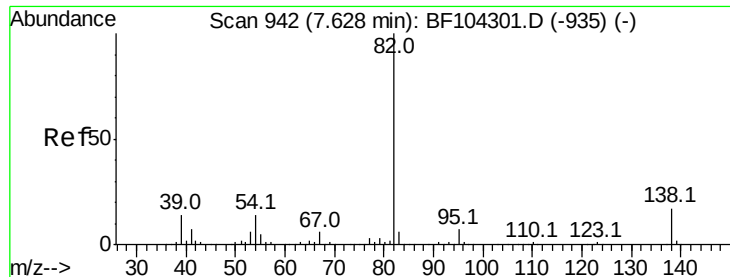
#23
Nitrobenzene-d5
Concen: 65.588 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104506.D
Acq: 14 Apr 2018 5:44

Tgt Ion:	82	Resp:	522462
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	44.3	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: 31.016 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104506.D

Acq: 14 Apr 2018 5:44

Instrument :

BNA_F

ClientSampleId :

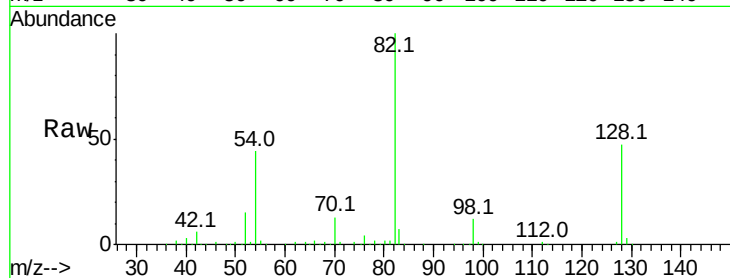
Tot Ion: 82 Resp: 522455

Ion Ratio Lower Upper

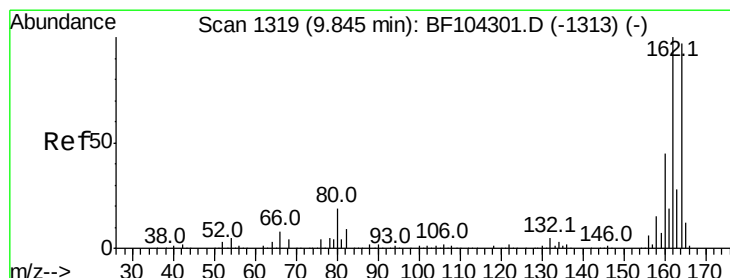
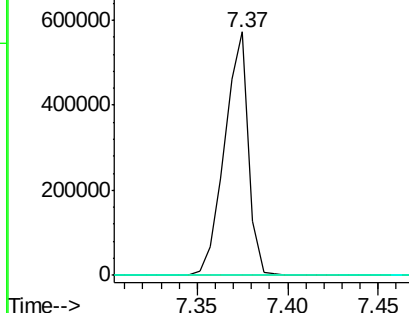
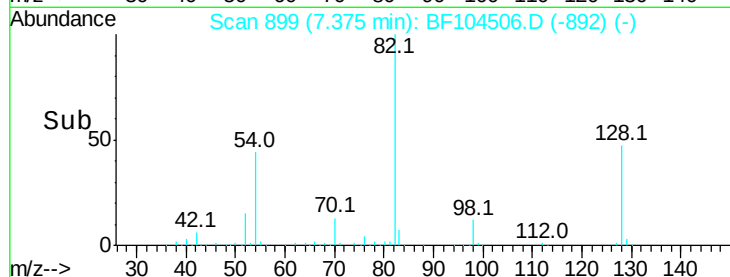
82 100

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# 1319

Delta R.T. -0.01 min

Lab File: BF104506.D

Acq: 14 Apr 2018 5:44

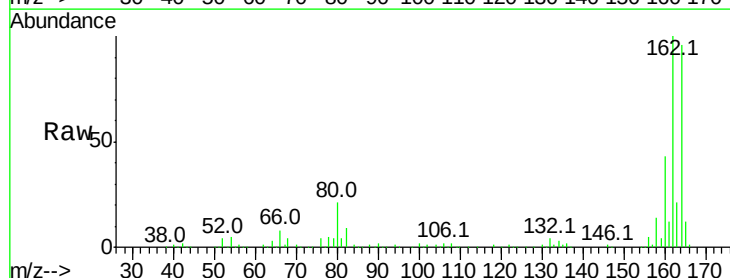
Tgt Ion:164 Resp: 218935

Ion Ratio Lower Upper

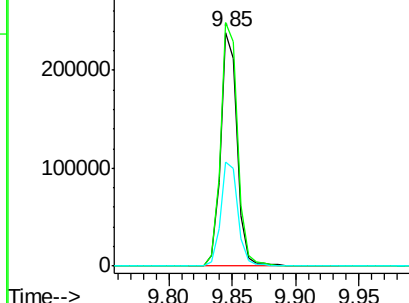
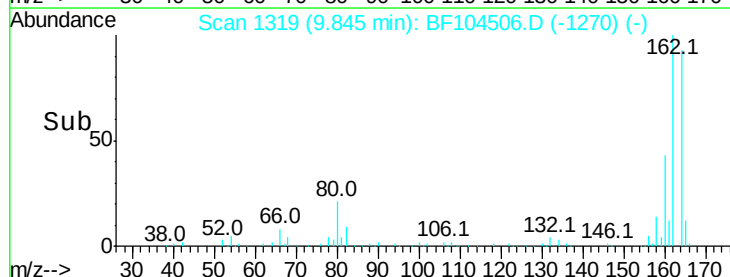
164 100

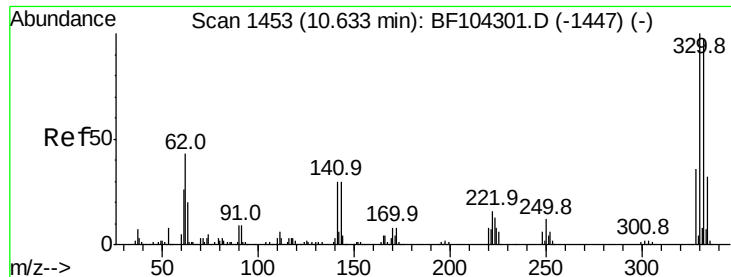
162 104.2 86.1 129.1

160 44.7 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

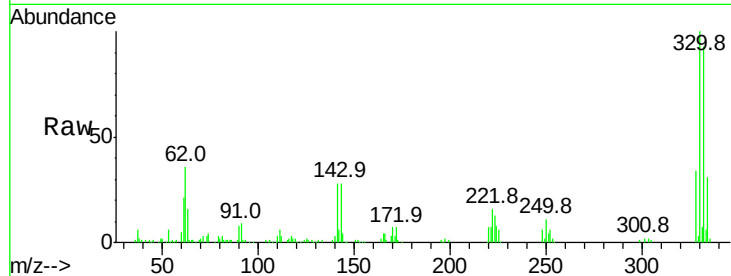




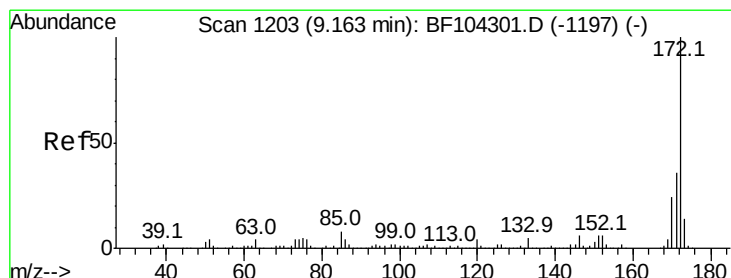
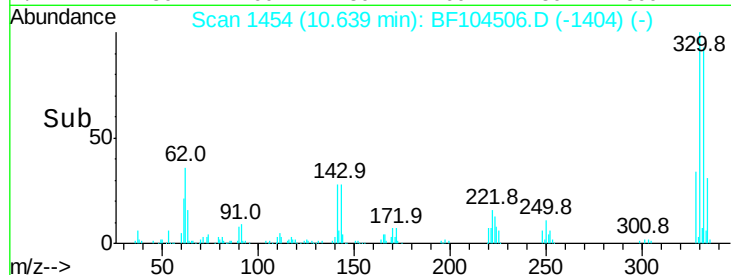
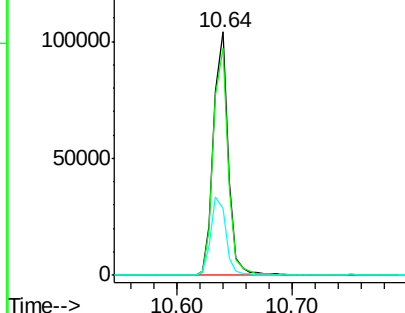
#41
 2,4,6-Tribromophenol
 Concen: 40.565 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104506.D
 Acq: 14 Apr 2018 5:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.6
141	33.5	29.9	44.9

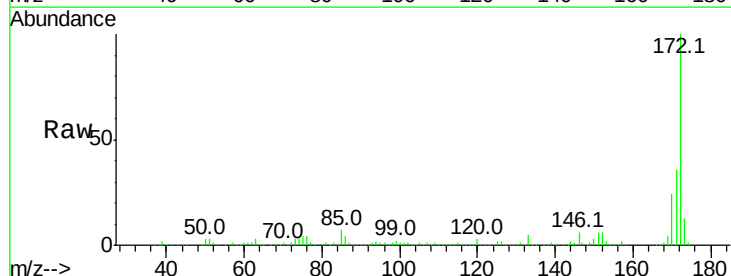


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

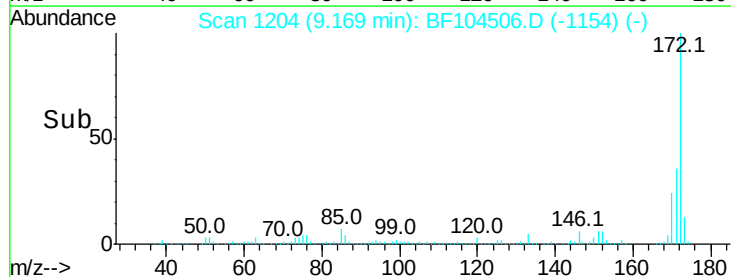
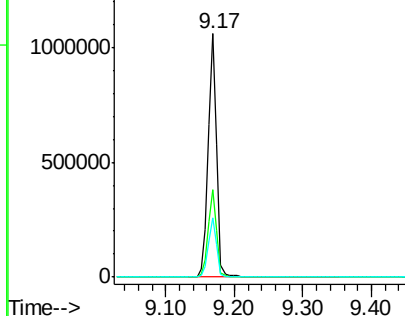


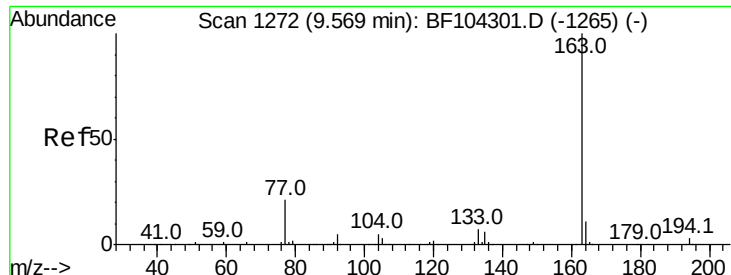
#44
 2-Fluorobiphenyl
 Concen: 67.818 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104506.D
 Acq: 14 Apr 2018 5:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.4	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

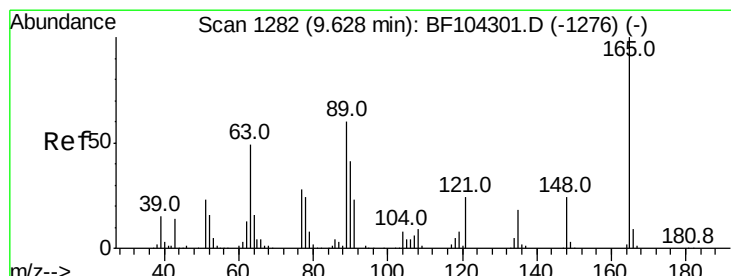
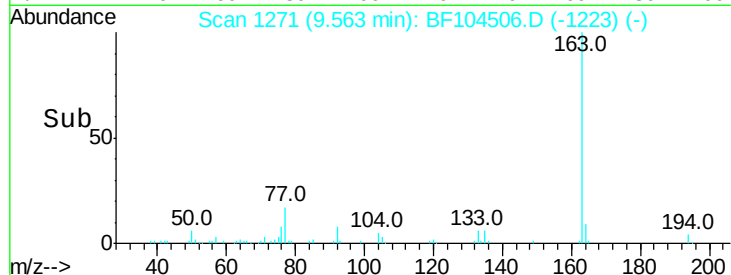
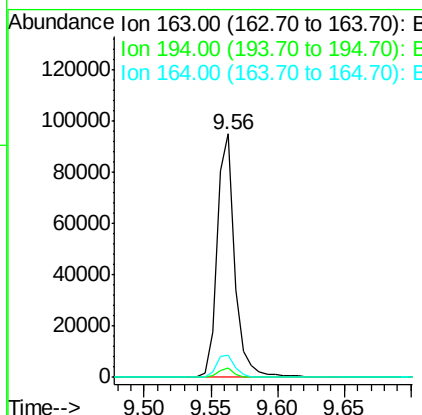
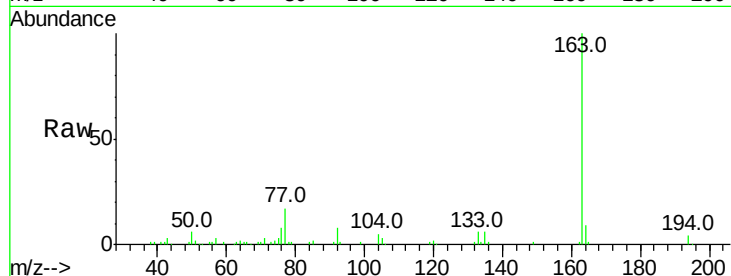




#49
Dimethylphthalate
Concen: 5.140 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF104506.D
Acq: 14 Apr 2018 5:44

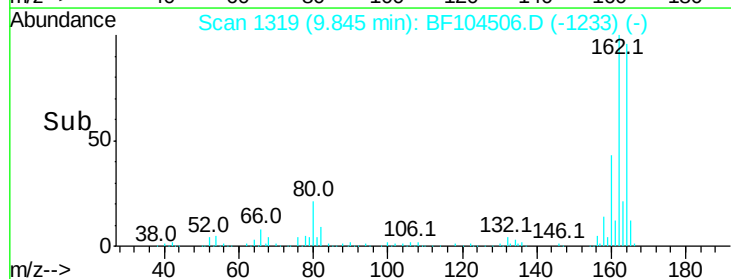
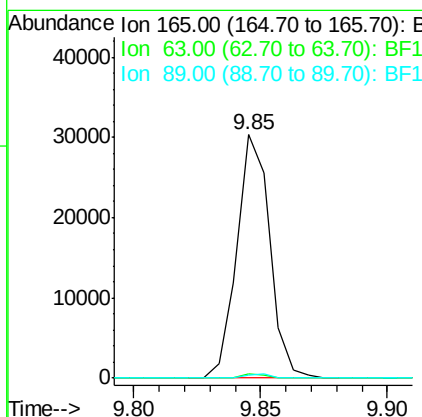
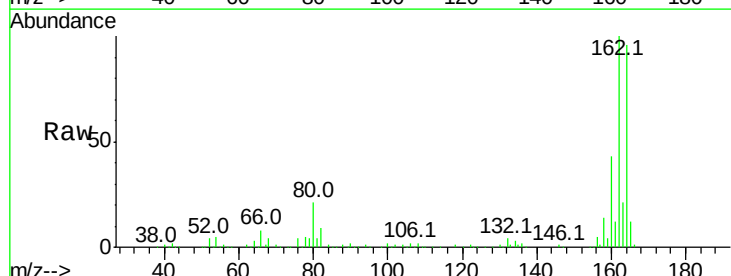
Instrument :
BNA_F
ClientSampleId :

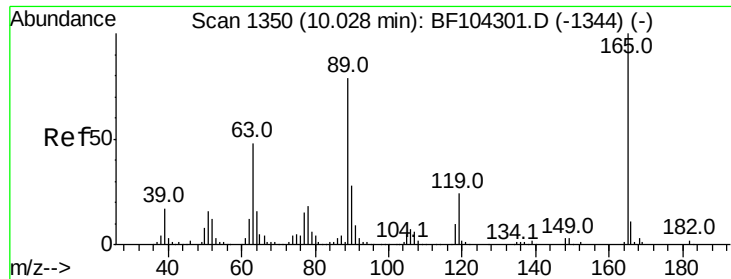
Tot Ion:163 Resp: 88747
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.1 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.539 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF104506.D
Acq: 14 Apr 2018 5:44

Tgt Ion:165 Resp: 27279
Ion Ratio Lower Upper
165 100
63 1.7 44.7 67.1#
89 1.4 44.0 66.0#

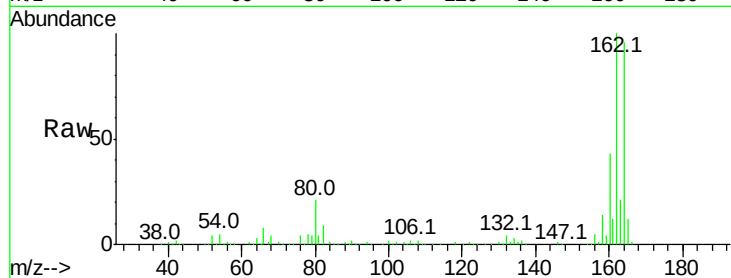




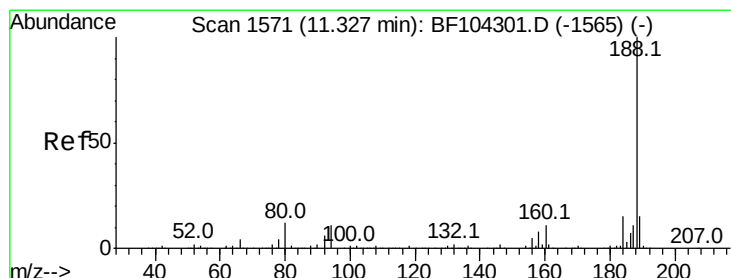
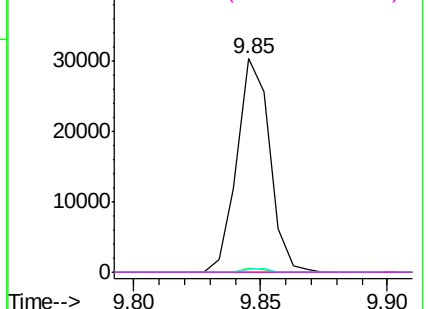
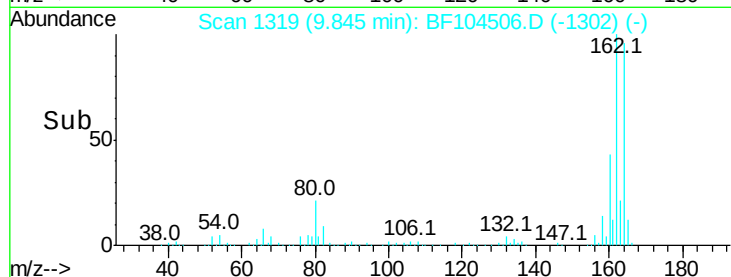
#56
 2,4-Dinitrotoluene
 Concen: 6.510 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104506.D
 Acq: 14 Apr 2018 5:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 27279
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.4 57.8 86.6#
 182 0.0 1.6 2.4#

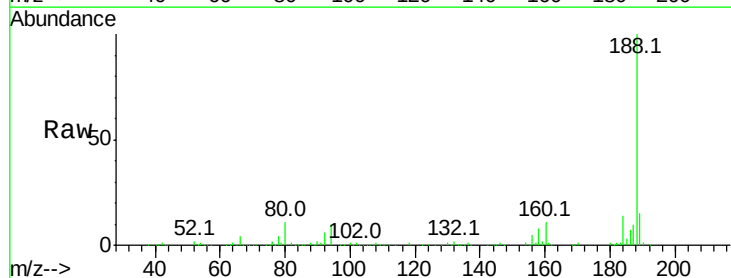


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

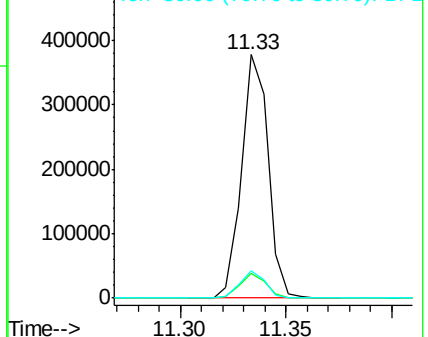
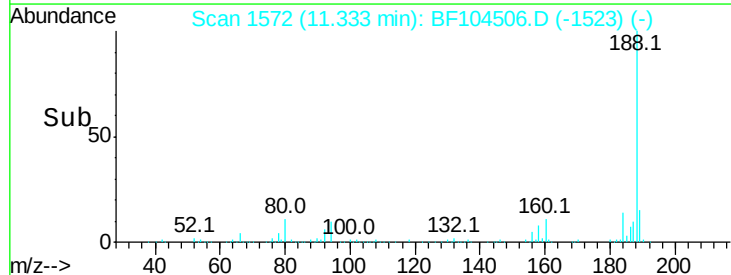


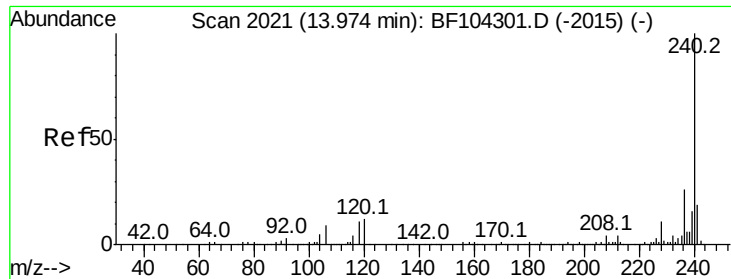
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF104506.D
 Acq: 14 Apr 2018 5:44

Tgt Ion:188 Resp: 328932
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 11.0 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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104506.D

Acq: 14 Apr 2018 5:44

Instrument :

BNA_F

ClientSampleId :

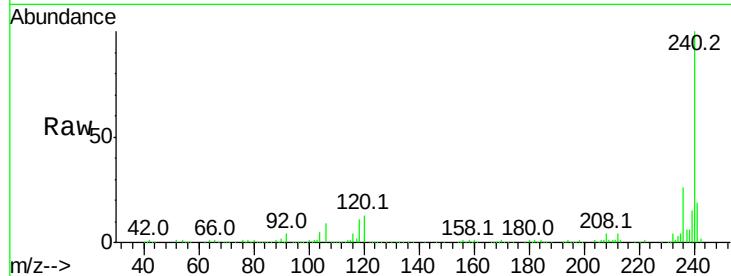
Tot Ion:240 Resp: 244968

Ion Ratio Lower Upper

240 100

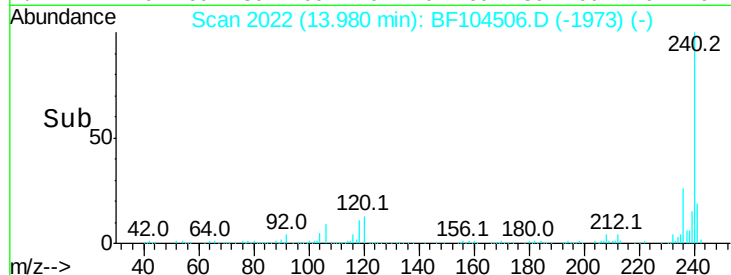
120 12.6 9.5 14.3

236 25.5 20.7 31.1

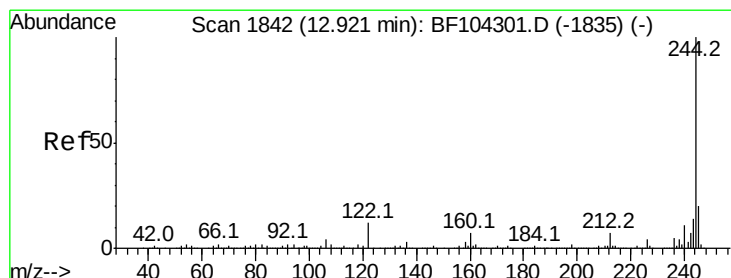


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

13.98



Time--> 13.90 14.00



#78

Terphenyl-d14

Concen: 63.169 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104506.D

Acq: 14 Apr 2018 5:44

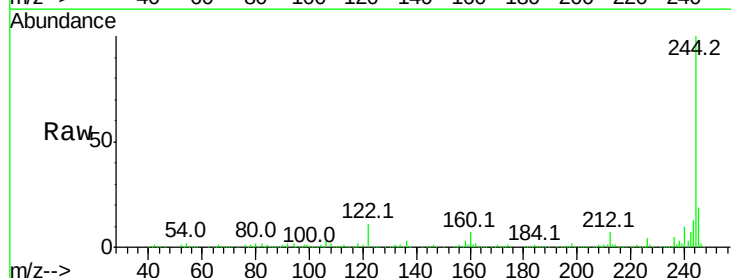
Tgt Ion:244 Resp: 678757

Ion Ratio Lower Upper

244 100

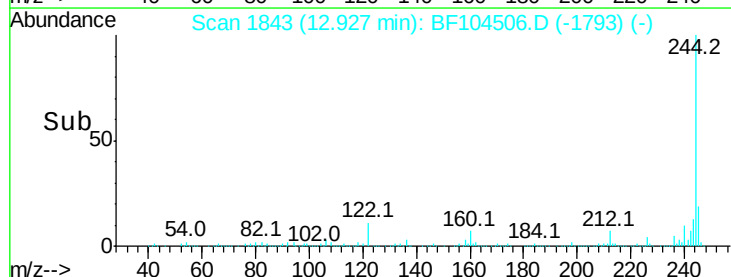
212 6.6 5.4 8.0

122 10.7 11.0 16.4#

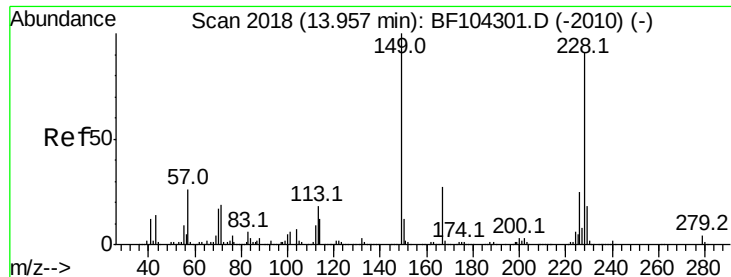


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

12.93



Time--> 12.90 13.00



#83

Bis(2-ethylhexyl)phthalate

Concen: 12.866 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF104506.D

Acq: 14 Apr 2018 5:44

Instrument :

BNA_F

ClientSampleId :

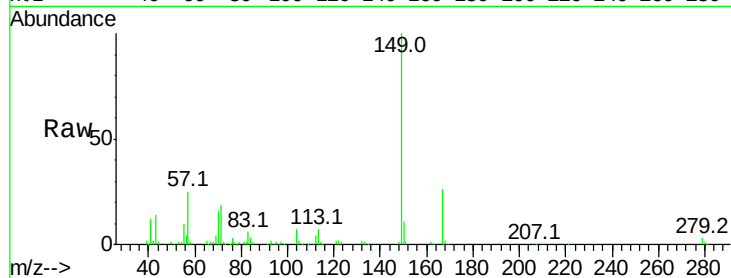
Tot Ion:149 Resp: 141569

Ion Ratio Lower Upper

149 100

167 25.7 21.3 31.9

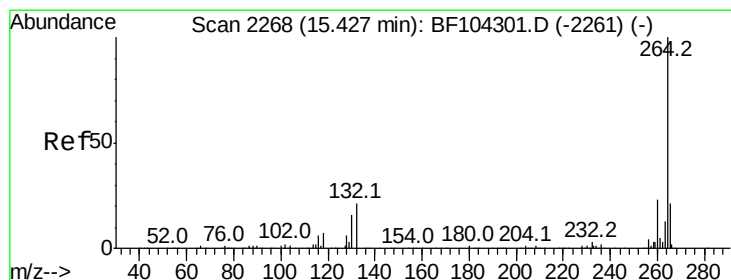
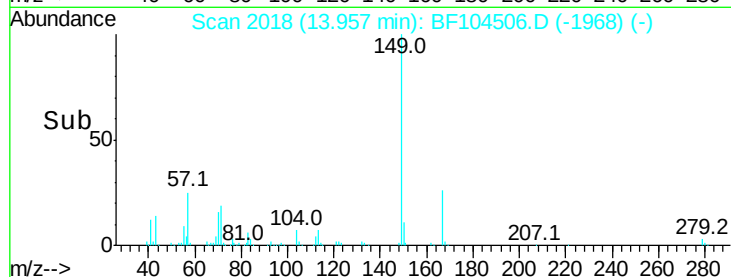
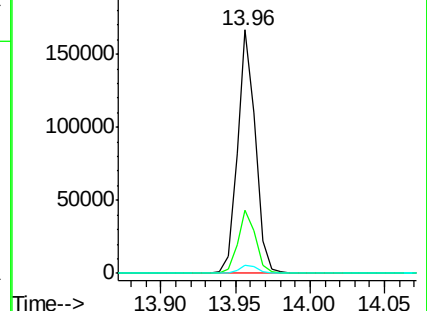
279 3.1 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF104506.D

Acq: 14 Apr 2018 5:44

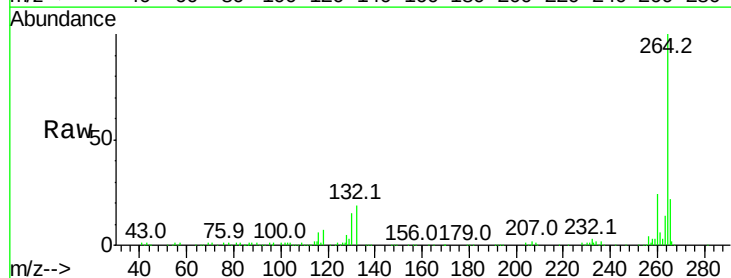
Tgt Ion:264 Resp: 198894

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.5 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

