

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104379.D
 Acq On : 9 Apr 2018 18:23
 Operator : JU/SJ
 Sample : J2157-03 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:17:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

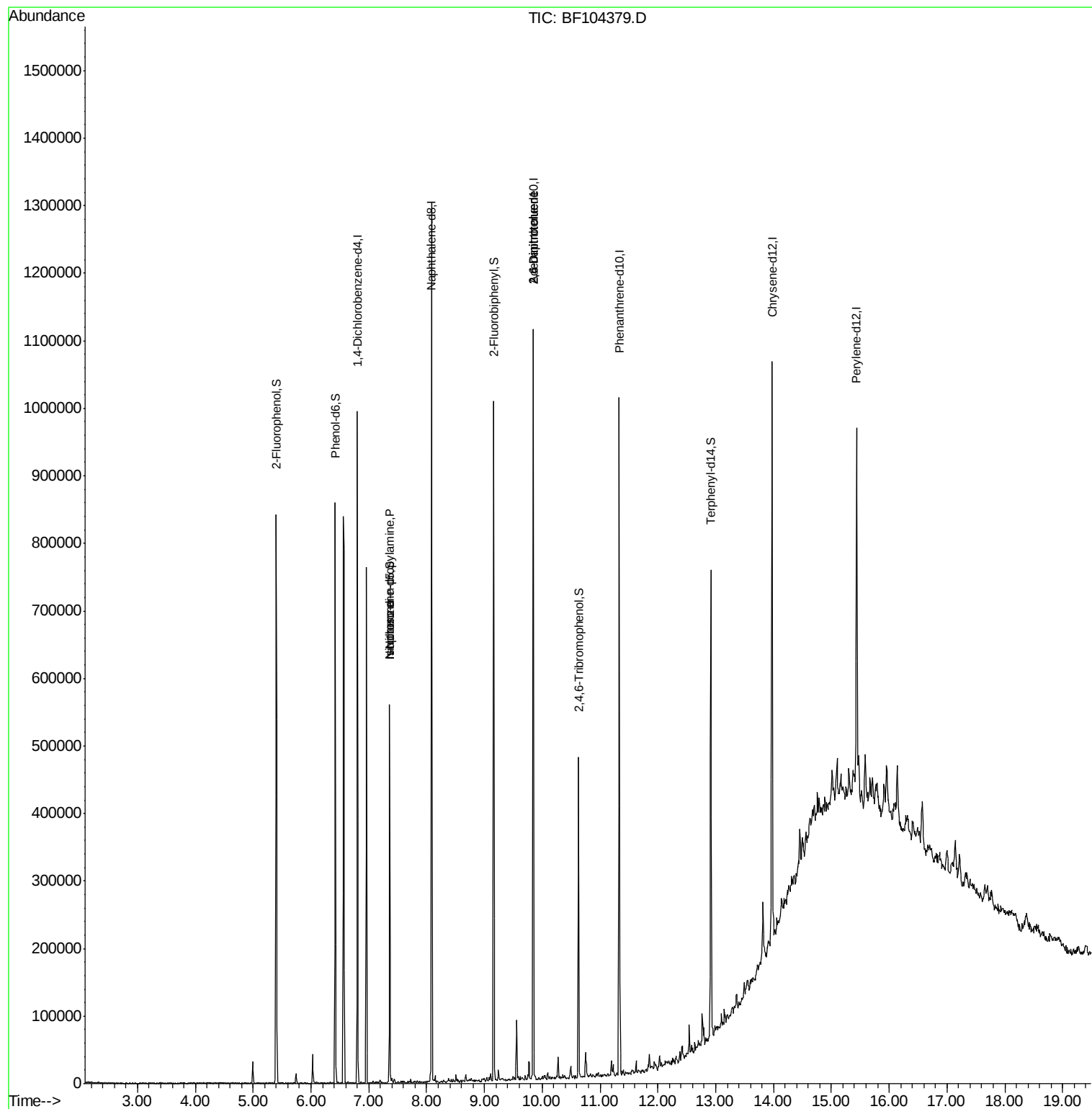
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	131396	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	512962	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	218220	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	325384	20.00	ng	0.00
75) Chrysene-d12	13.97	240	272266	20.00	ng	0.00
86) Perylene-d12	15.44	264	242999	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	215664	25.10	ng	0.00
7) Phenol-d6	6.42	99	269206	25.50	ng	0.00
23) Nitrobenzene-d5	7.36	82	147479	18.77	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	50848	22.46	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	291213	21.08	ng	0.00
78) Terphenyl-d14	12.92	244	195923	16.41	ng	0.00
Target Compounds						
9) Benzaldehyde	6.42	77	287	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	18701	2.711 ng	#	77
25) Isophorone	7.36	82	147517	8.880 ng	#	64
50) 2,6-Dinitrotoluene	9.84	165	28446	8.933 ng	#	25
56) 2,4-Dinitrotoluene	9.84	165	28446	6.811 ng	#	23
76) Benzidine	12.70	184	137	Below Cal	#	1

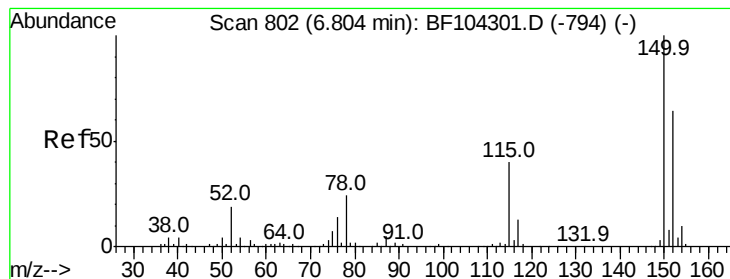
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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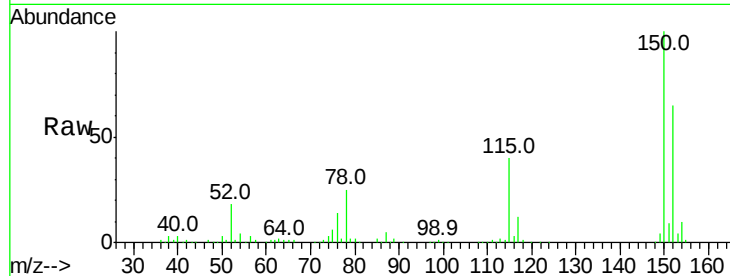


#1

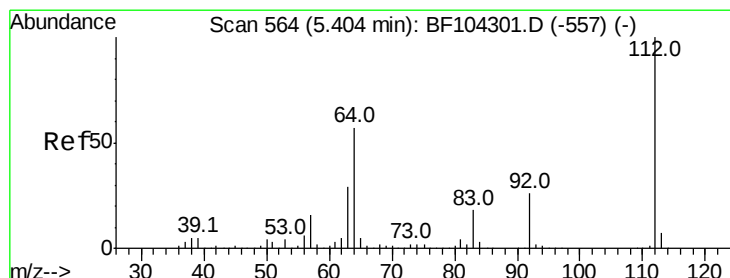
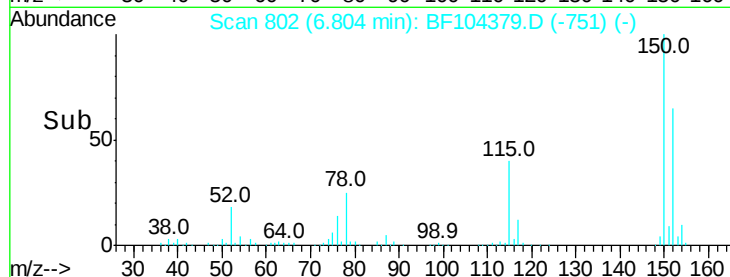
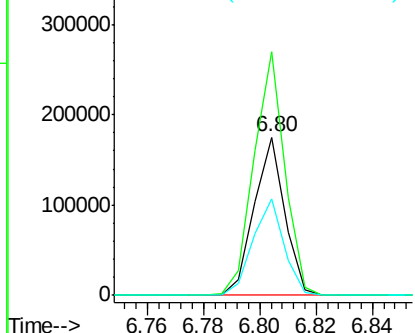
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104379.D
Acq: 9 Apr 2018 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131396
Ion Ratio Lower Upper
152 100
150 153.6 124.6 186.8
115 60.8 50.1 75.1



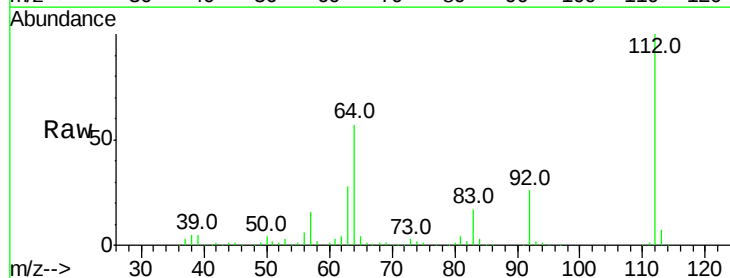
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



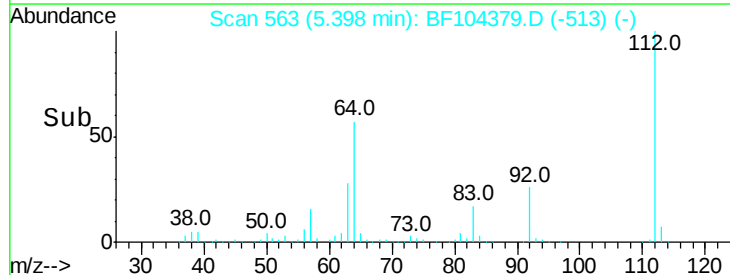
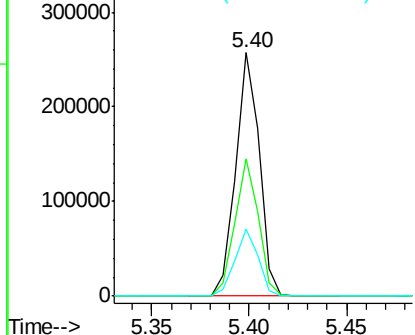
#5

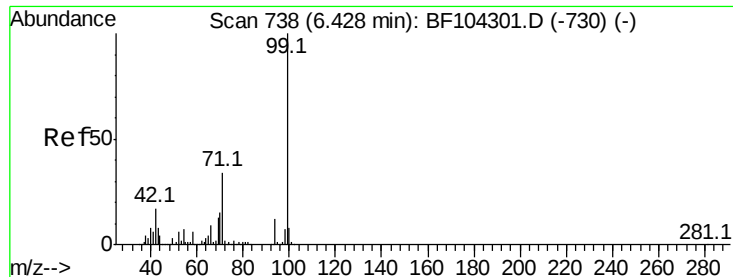
2-Fluorophenol
Concen: 25.097 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF104379.D
Acq: 9 Apr 2018 18:23

Tgt Ion:112 Resp: 215664
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 27.6 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: 25.497 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF104379.D

Acq: 9 Apr 2018 18:23

Instrument :

BNA_F

ClientSampleId :

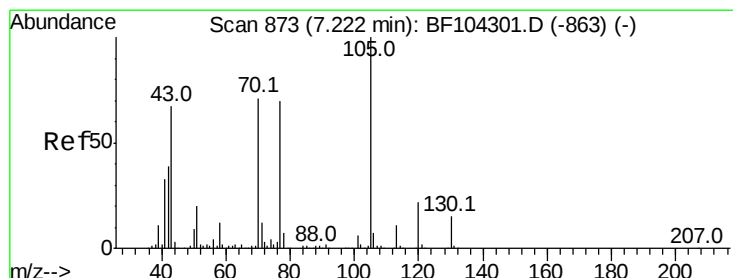
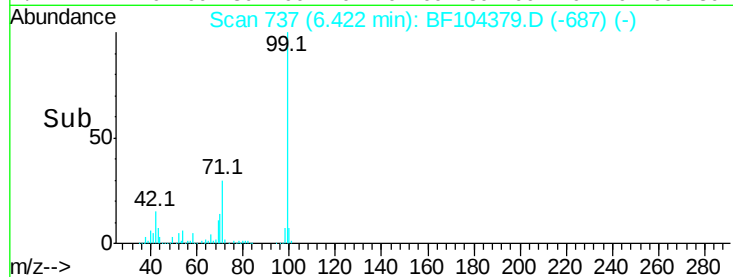
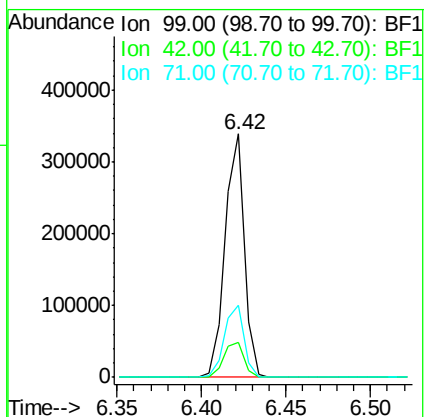
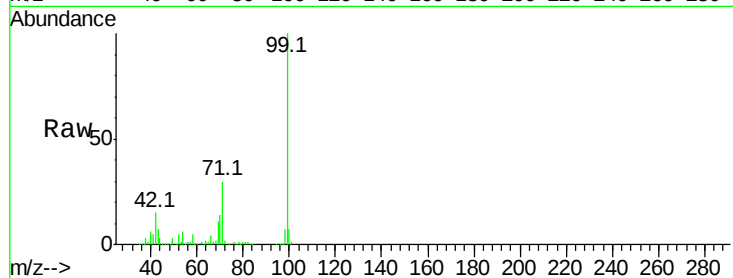
Tot Ion: 99 Resp: 269206

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

71 29.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.711 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104379.D

Acq: 9 Apr 2018 18:23

Tgt Ion: 70 Resp: 18701

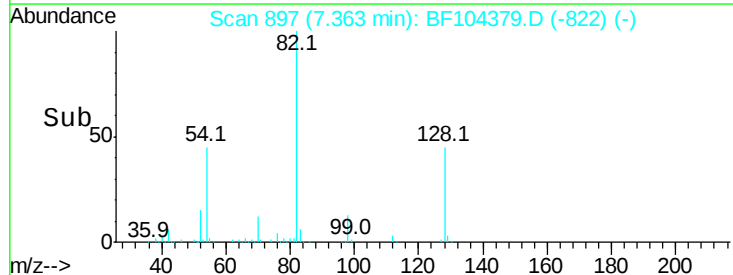
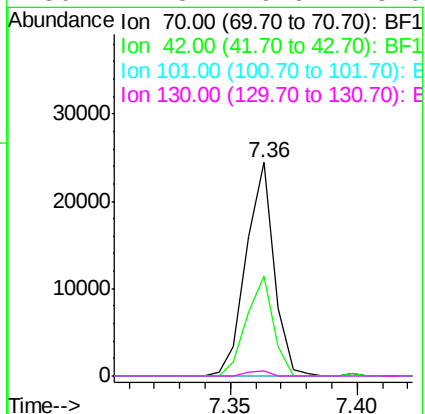
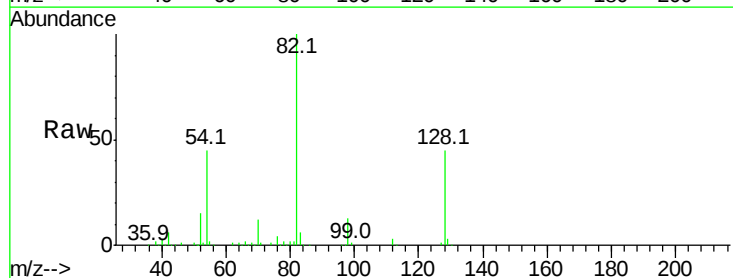
Ion Ratio Lower Upper

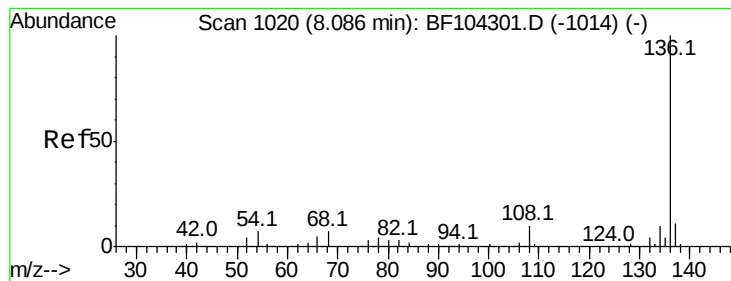
70 100

42 46.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104379.D

Acq: 9 Apr 2018 18:23

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 512962

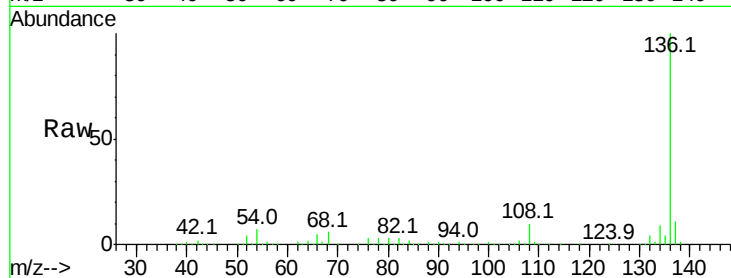
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.2 6.6 9.8

68 6.5 5.0 7.4

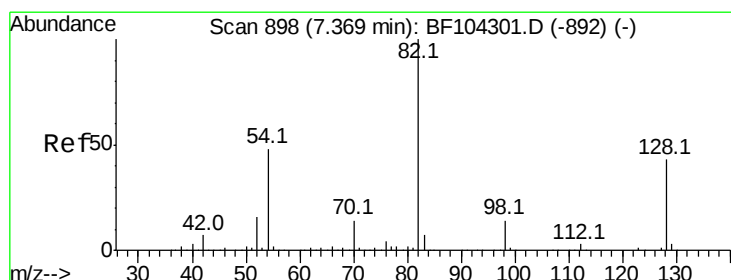
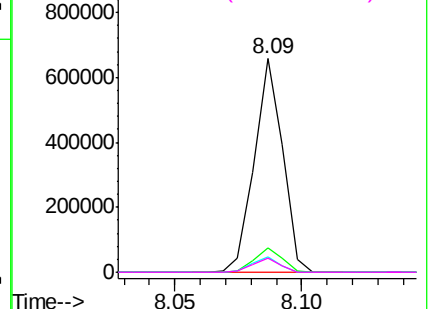
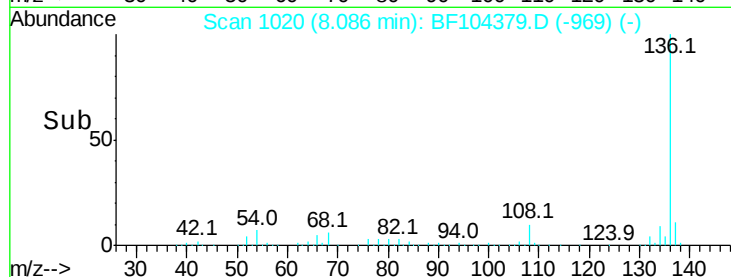


Abundance Ion 136.00 (135.70 to 136.70): E

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: 18.774 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104379.D

Acq: 9 Apr 2018 18:23

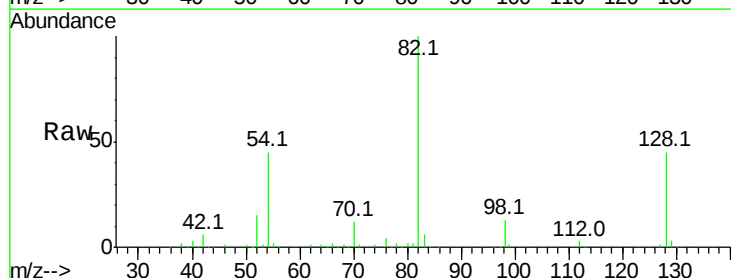
Tgt Ion: 82 Resp: 147479

Ion Ratio Lower Upper

82 100

128 44.9 36.1 54.1

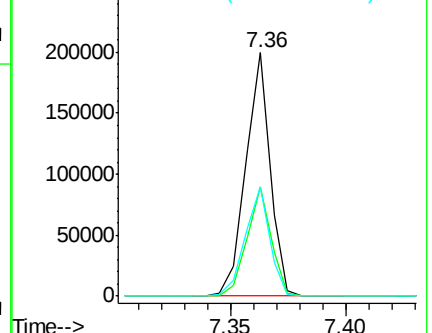
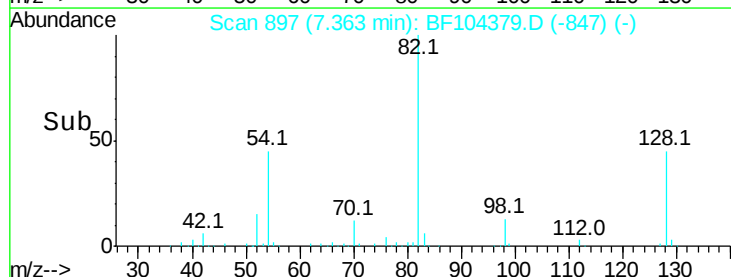
54 45.1 41.4 62.2

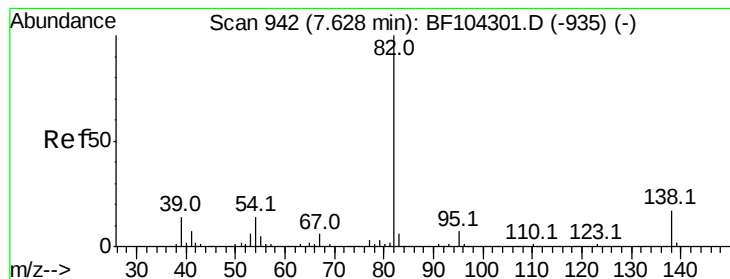


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.880 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104379.D

Acq: 9 Apr 2018 18:23

Instrument :

BNA_F

ClientSampleId :

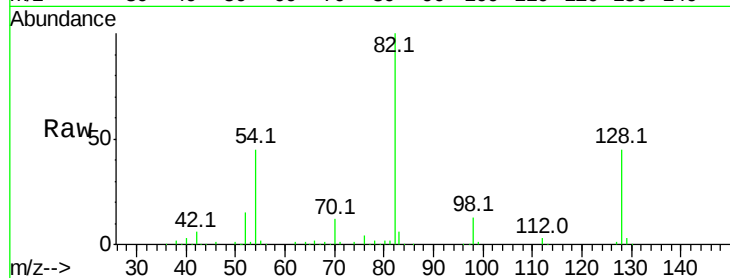
Tot Ion: 82 Resp: 147517

Ion Ratio Lower Upper

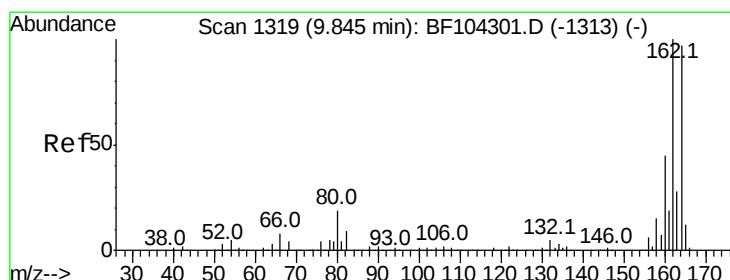
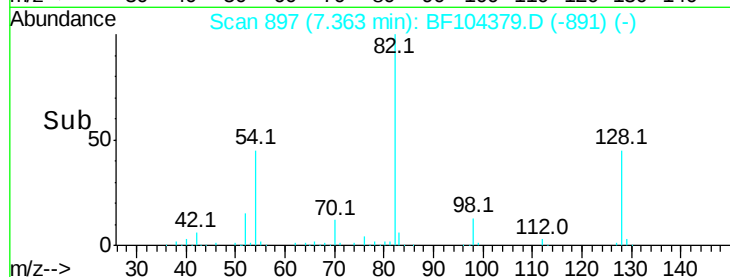
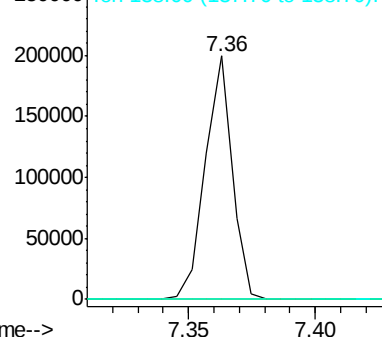
82 100

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: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104379.D

Acq: 9 Apr 2018 18:23

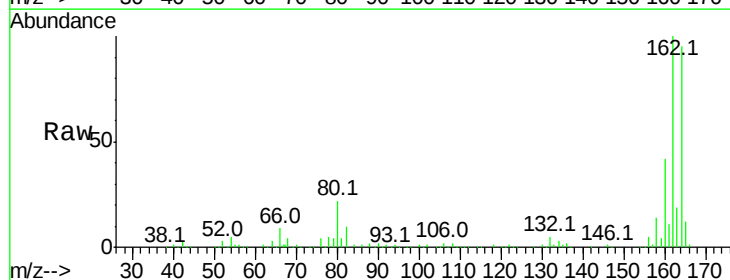
Tgt Ion:164 Resp: 218220

Ion Ratio Lower Upper

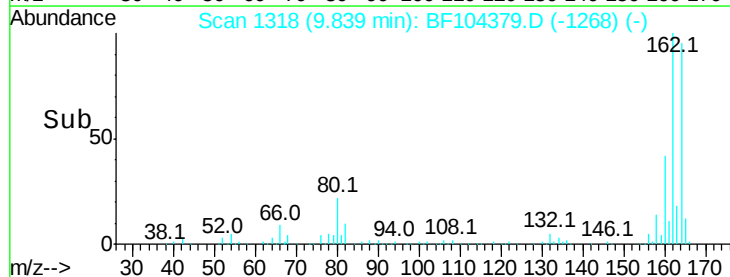
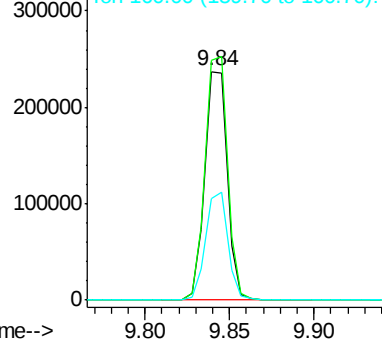
164 100

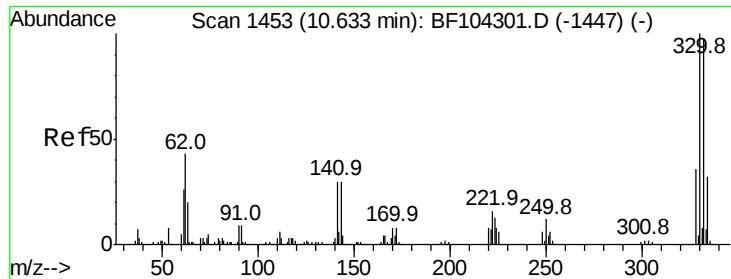
162 105.2 86.1 129.1

160 44.4 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

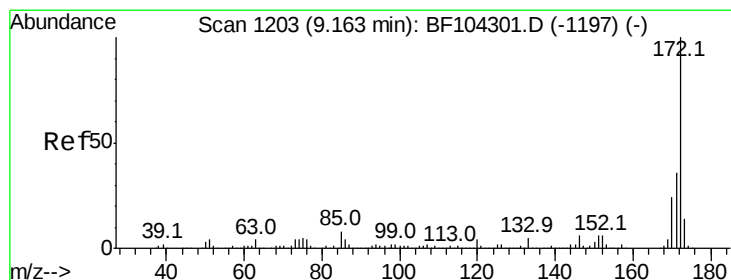
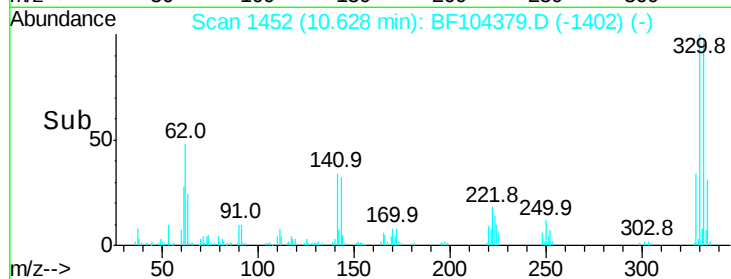
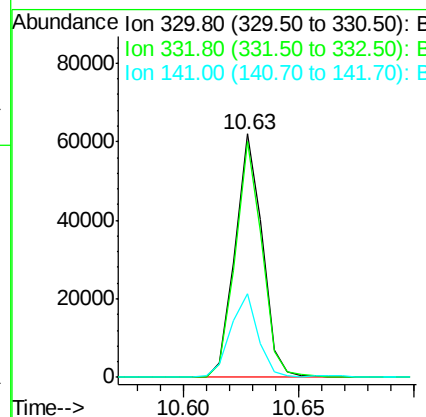
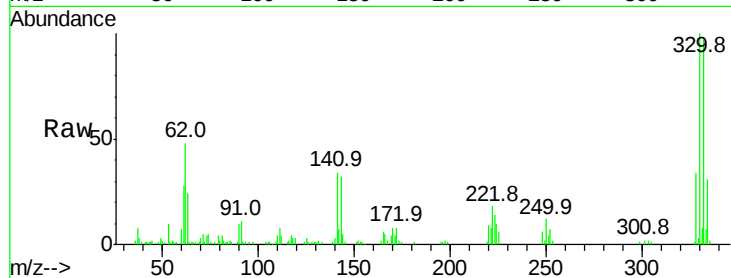




#41
 2,4,6-Tribromophenol
 Concen: 22.463 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104379.D
 Acq: 9 Apr 2018 18:23

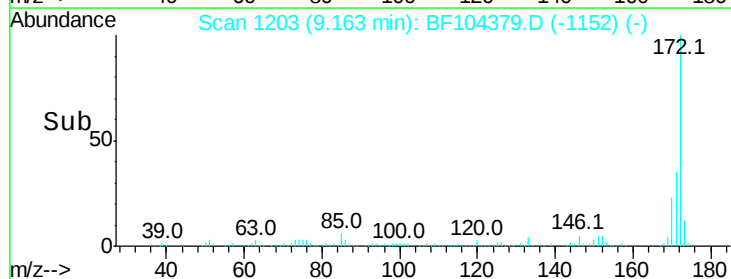
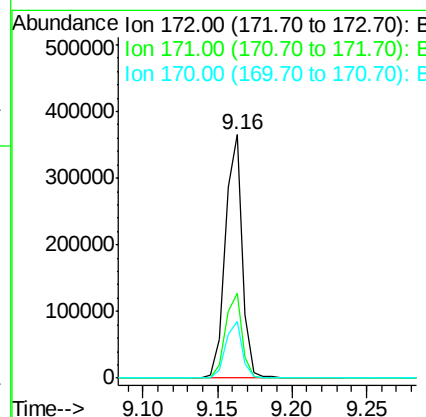
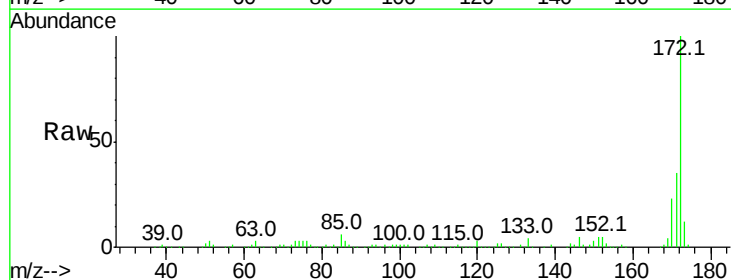
Instrument :
 BNA_F
 ClientSampled :

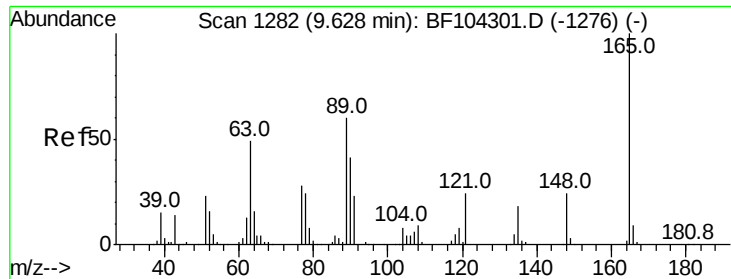
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	34.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 21.082 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104379.D
 Acq: 9 Apr 2018 18:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.1	19.6	29.4

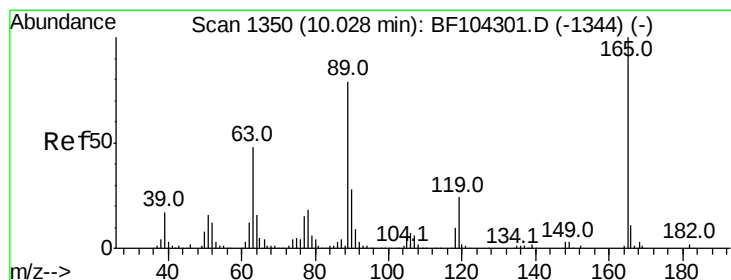
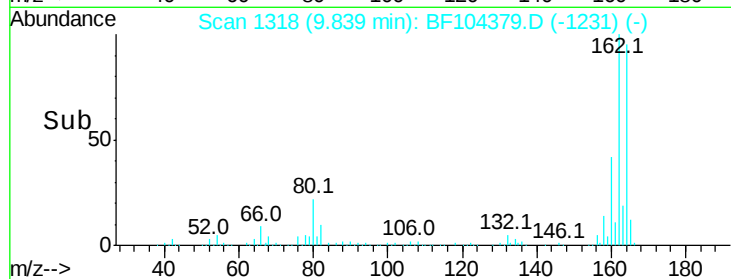
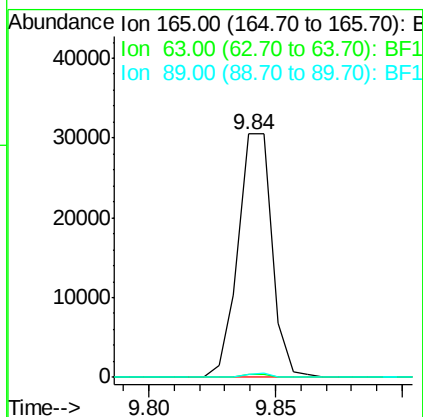
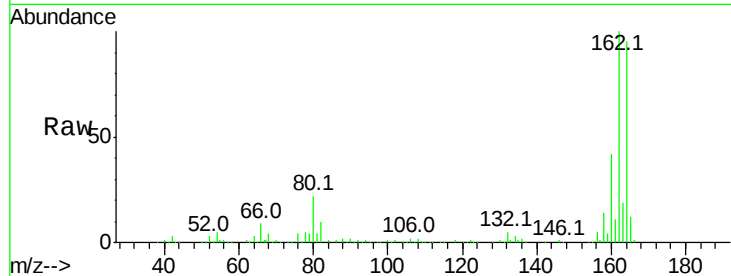




#50
 2,6-Dinitrotoluene
 Concen: 8.933 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104379.D
 Acq: 9 Apr 2018 18:23

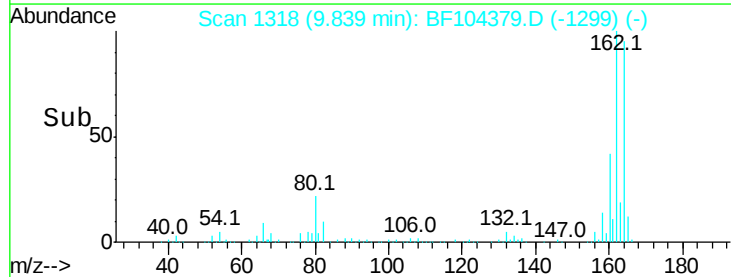
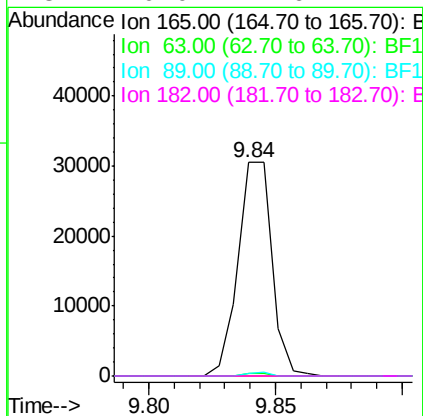
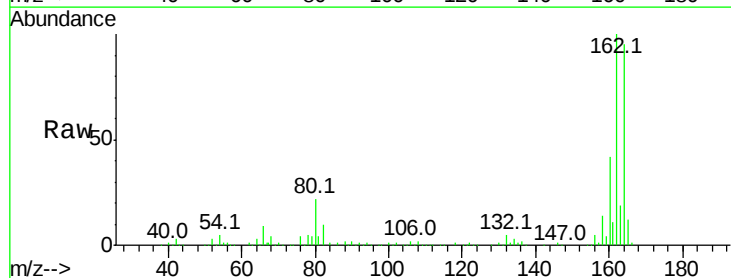
Instrument :
 BNA_F
 ClientSampleId :

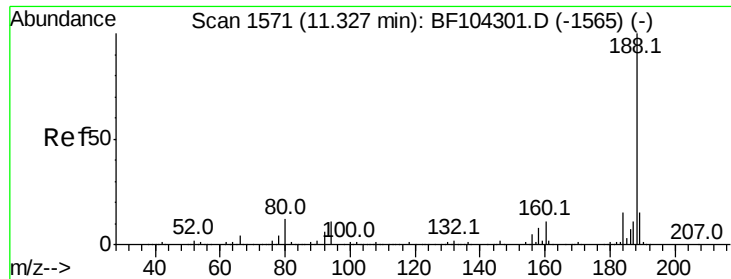
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.1	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.811 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104379.D
 Acq: 9 Apr 2018 18:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#

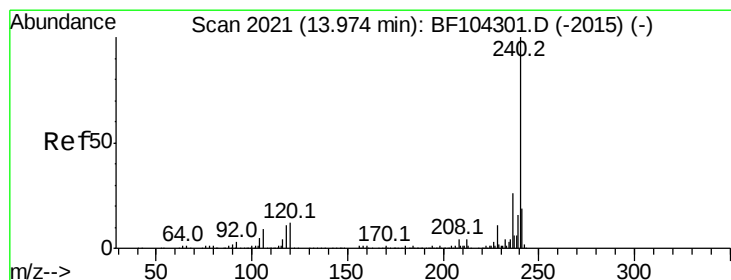
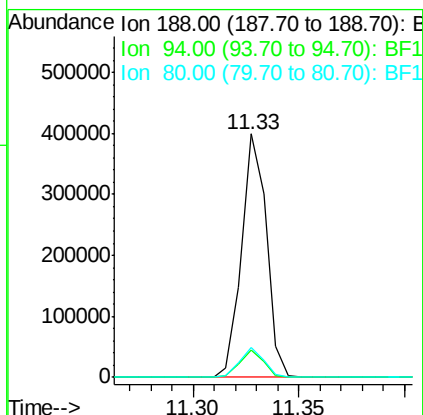
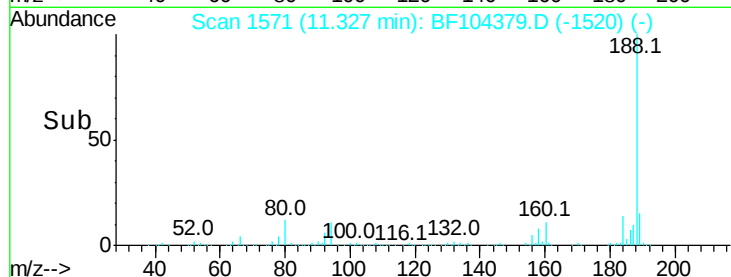
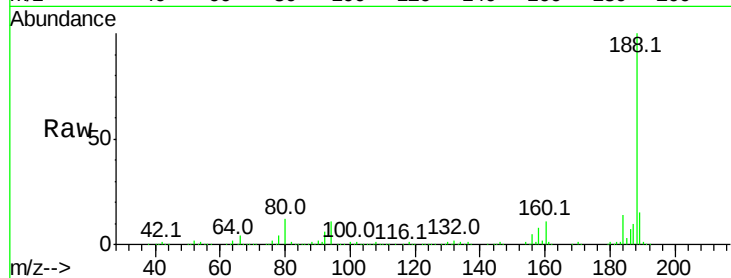




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF104379.D
Acq: 9 Apr 2018 18:23

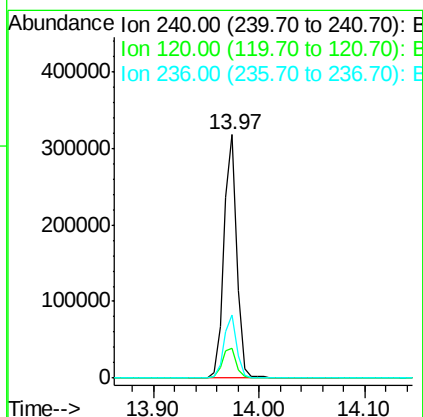
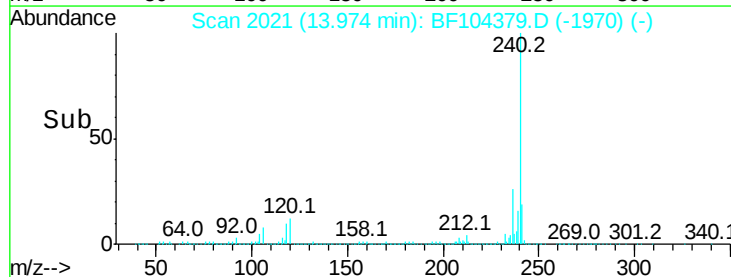
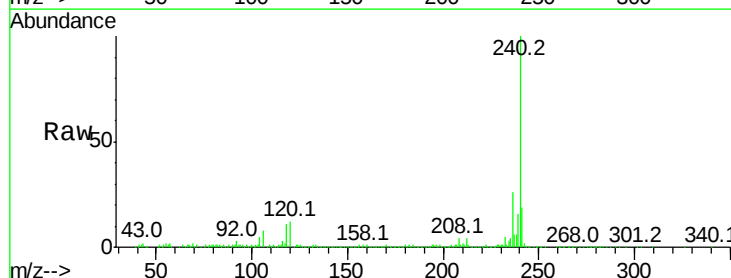
Instrument :
BNA_F
ClientSampled :

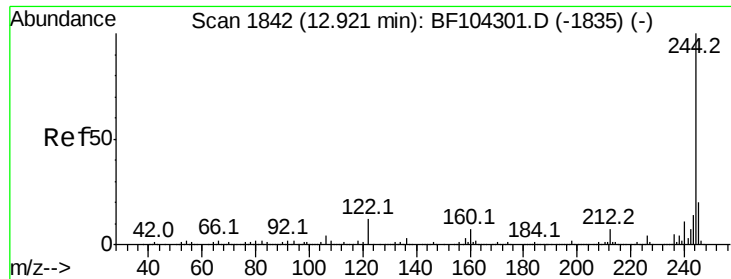
Tot Ion:188 Resp: 325384
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 12.3 9.2 13.8



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF104379.D
Acq: 9 Apr 2018 18:23

Tgt Ion:240 Resp: 272266
Ion Ratio Lower Upper
240 100
120 12.3 9.5 14.3
236 25.8 20.7 31.1





#78

Terphenyl-d14

Concen: 16.406 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104379.D

Acq: 9 Apr 2018 18:23

Instrument :

BNA_F

ClientSampleId :

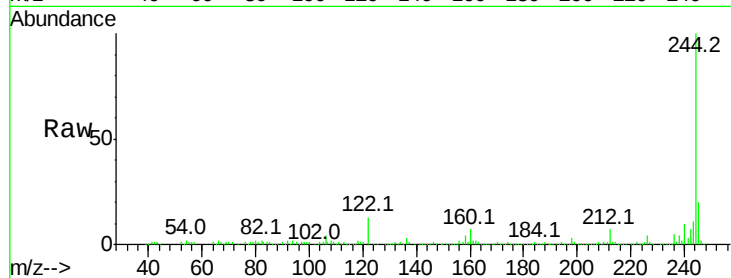
Tot Ion:244 Resp: 195923

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

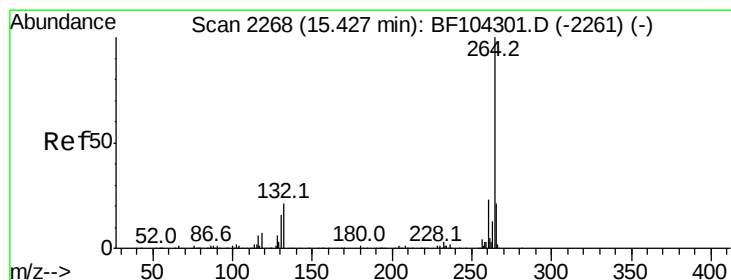
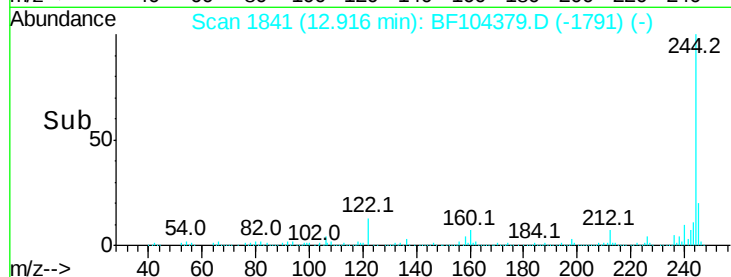
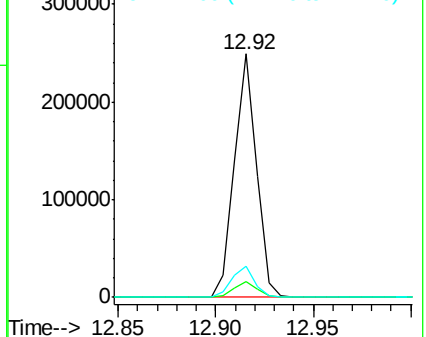
122 12.7 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

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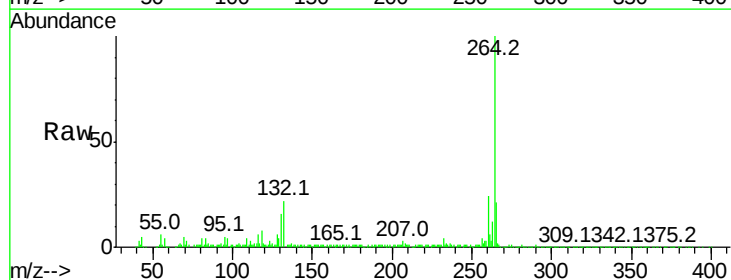
Tgt Ion:264 Resp: 242999

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.3 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

