

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
 Data File : BF105056.D
 Acq On : 3 May 2018 3:23
 Operator : JU/SJ
 Sample : J2684-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 043018-SIDI-F-D-S

Quant Time: May 03 04:31:16 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	92794	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	382290	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	170513	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	293352	20.00	ng	0.00
75) Chrysene-d12	14.01	240	243645	20.00	ng	-0.02
86) Perylene-d12	15.56	264	187004	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	267739	44.12	ng	0.00
7) Phenol-d6	6.42	99	199647	26.77	ng	-0.02
23) Nitrobenzene-d5	7.36	82	622572	106.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	171106	96.74	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1087744	100.78	ng	0.00
78) Terphenyl-d14	12.92	244	1042022	97.50	ng	0.00

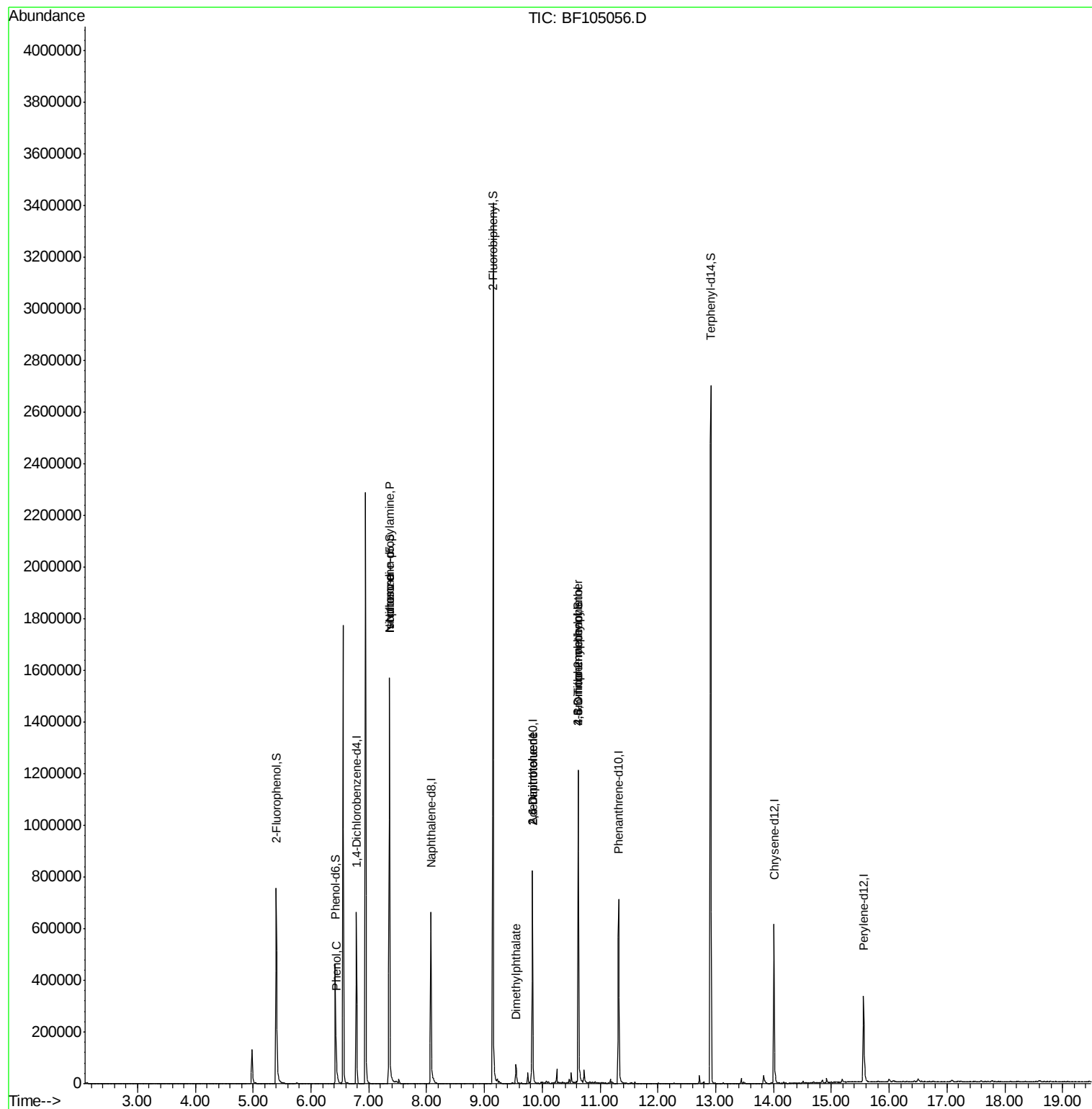
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	16575	2.095	ng	87
19) n-Nitroso-di-n-propylamine	7.36	70	80193	16.458	ng	# 71
25) Isophorone	7.36	82	616584	49.804	ng	# 64
49) Dimethylphthalate	9.55	163	38244	2.844	ng	98
50) 2,6-Dinitrotoluene	9.83	165	21475	8.631	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	21475	6.580	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.62	198	162	7.443	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	10325	3.309	ng	# 1
76) Benzidine	12.92	184	13593	Below Cal		95

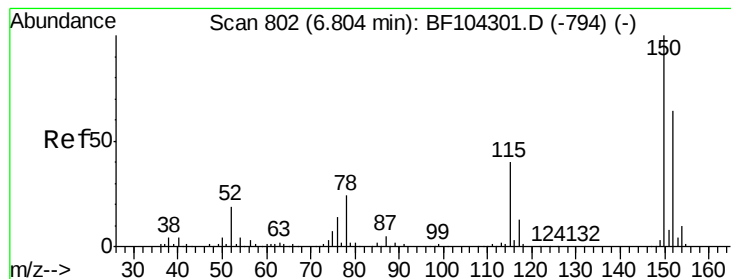
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF105056.D

Acq: 3 May 2018 3:23

Instrument :

BNA_F

ClientSampleId :

043018-SIDI-F-D-S

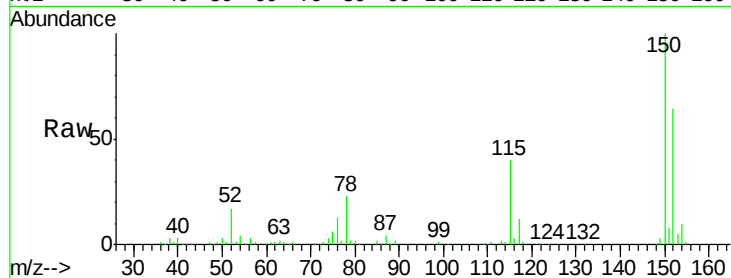
Tgt Ion:152 Resp: 92794

Ion Ratio Lower Upper

152 100

150 156.3 124.6 186.8

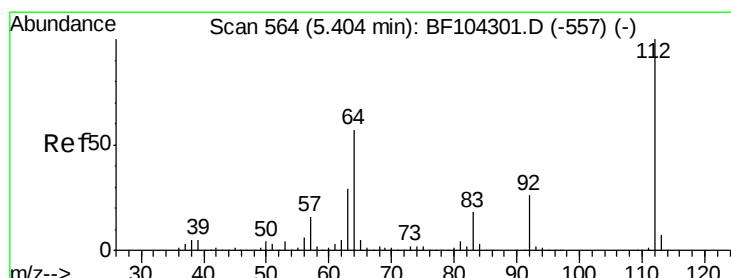
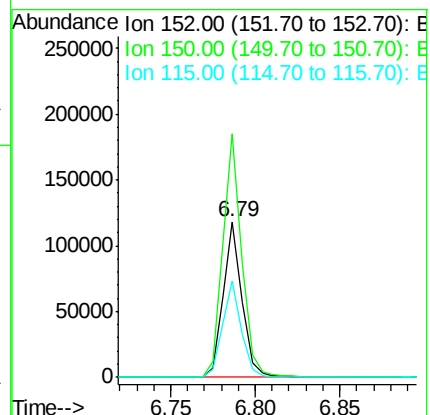
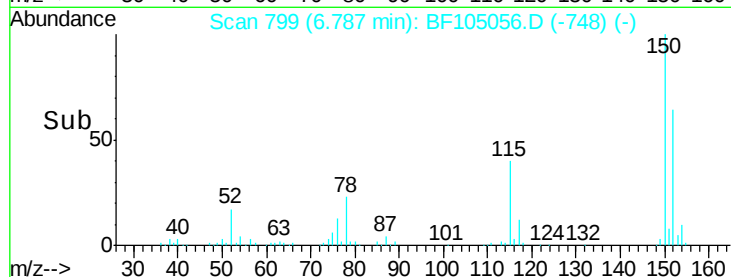
115 61.9 50.1 75.1



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: 44.118 ng

RT: 5.40 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF105056.D

Acq: 3 May 2018 3:23

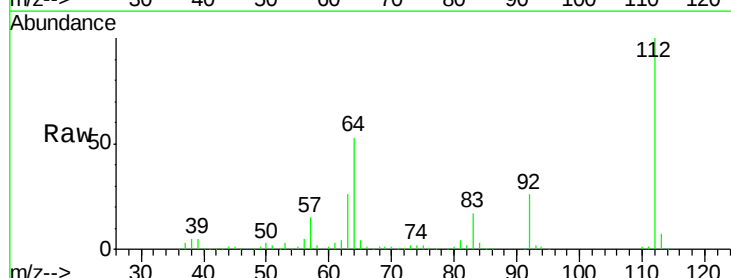
Tgt Ion:112 Resp: 267739

Ion Ratio Lower Upper

112 100

64 52.7 47.9 71.9

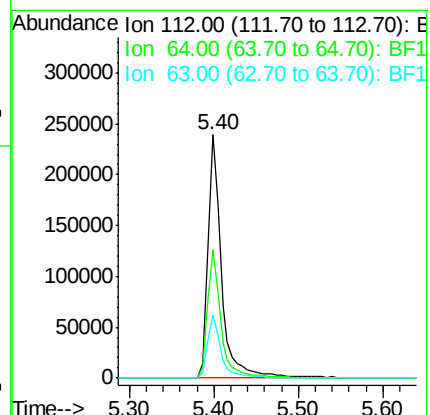
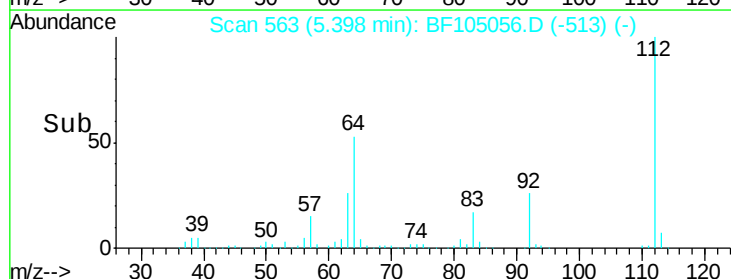
63 26.0 23.7 35.5

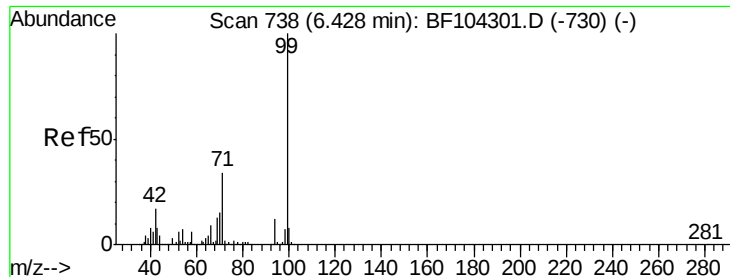


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 26.775 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF105056.D

Acq: 3 May 2018 3:23

Instrument :

BNA_F

ClientSampleId :

043018-SIDI-F-D-S

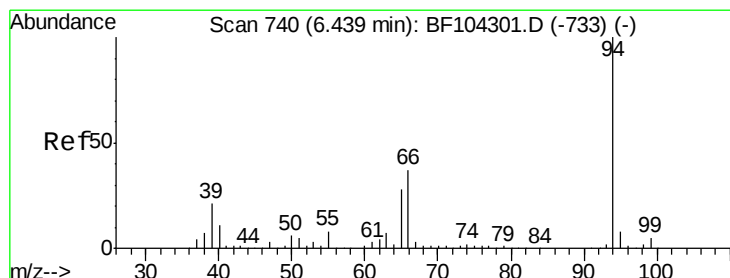
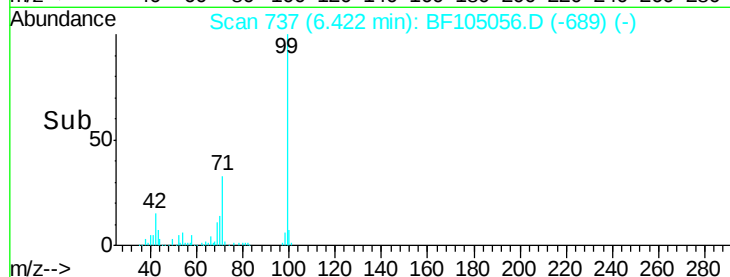
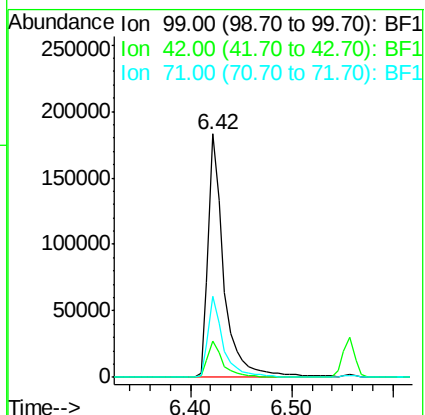
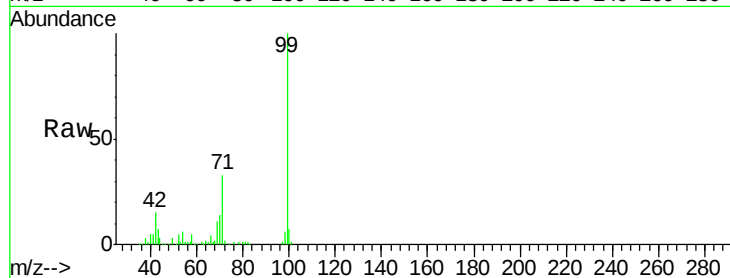
Tgt Ion: 99 Resp: 199647

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

71 33.1 25.4 38.0



#10

Phenol

Concen: 2.095 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF105056.D

Acq: 3 May 2018 3:23

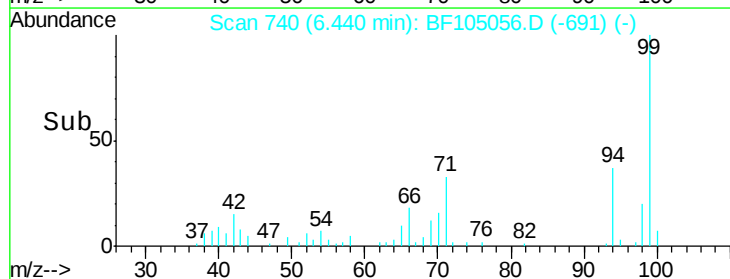
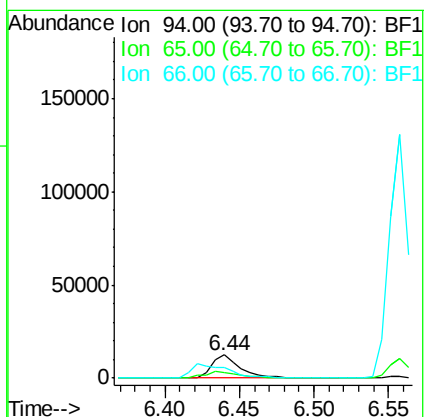
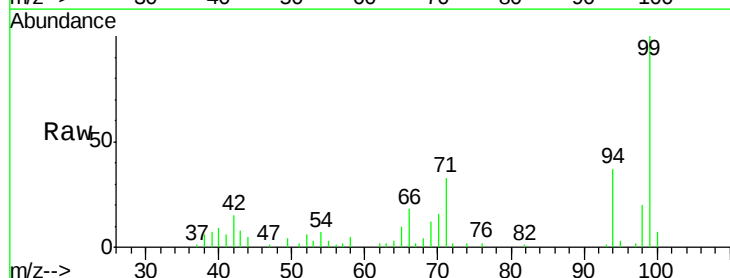
Tgt Ion: 94 Resp: 16575

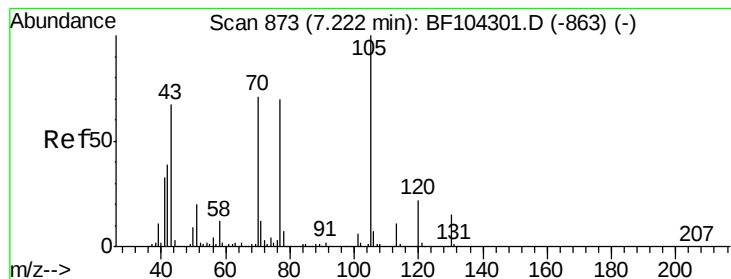
Ion Ratio Lower Upper

94 100

65 26.4 7.9 47.9

66 48.7 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 16.458 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF105056.D

Acq: 3 May 2018 3:23

Instrument :

BNA_F

ClientSampleId :

043018-SIDI-F-D-S

Tgt Ion: 70 Resp: 80193

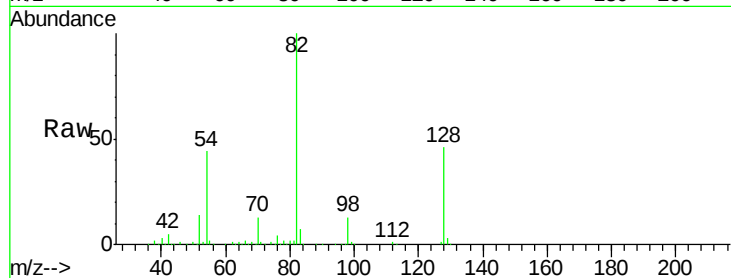
Ion Ratio Lower Upper

70 100

42 39.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

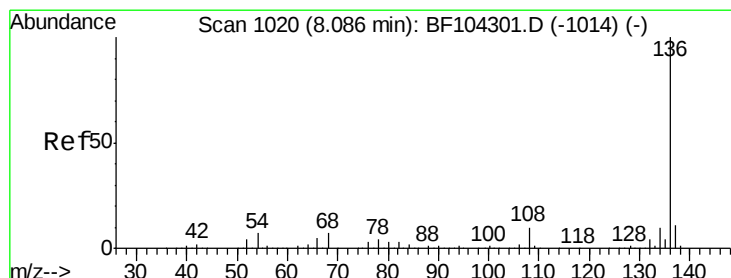
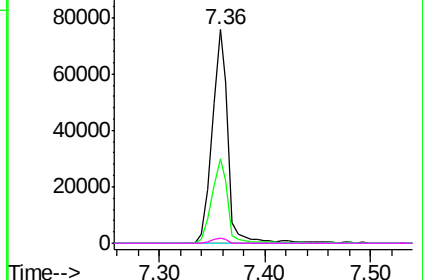
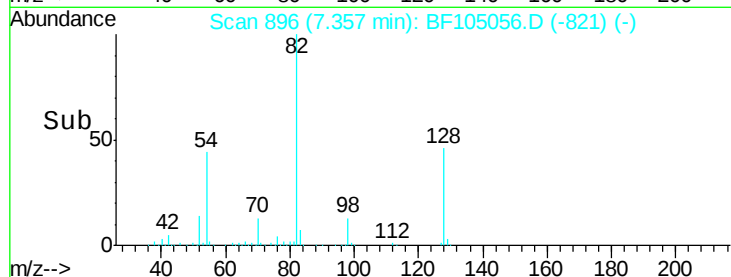


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1018

Delta R.T. -0.00 min

Lab File: BF105056.D

Acq: 3 May 2018 3:23

Tgt Ion: 136 Resp: 382290

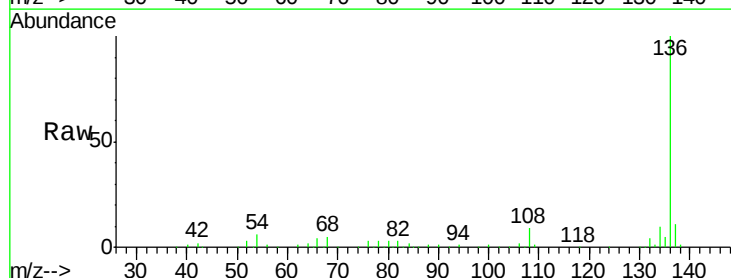
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 5.7 6.6 9.8#

68 5.1 5.0 7.4

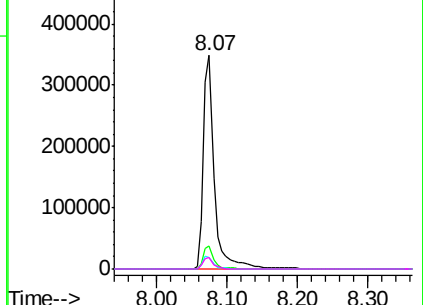
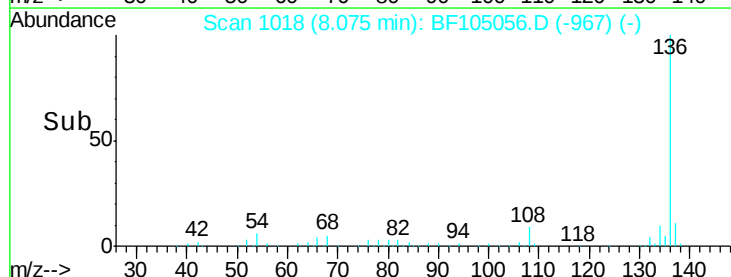


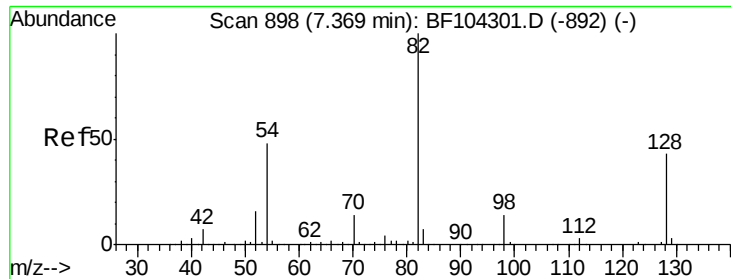
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

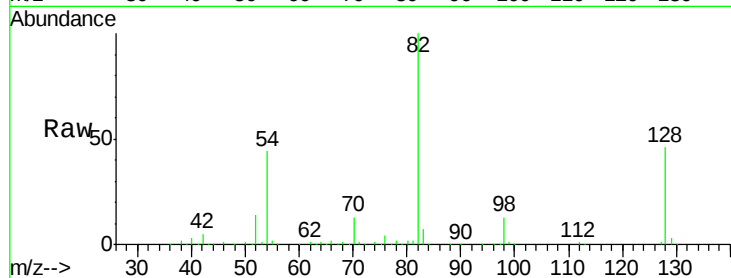




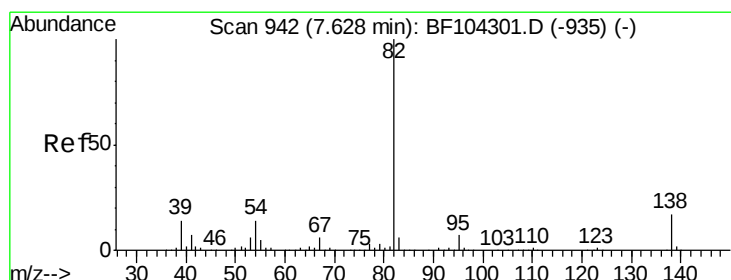
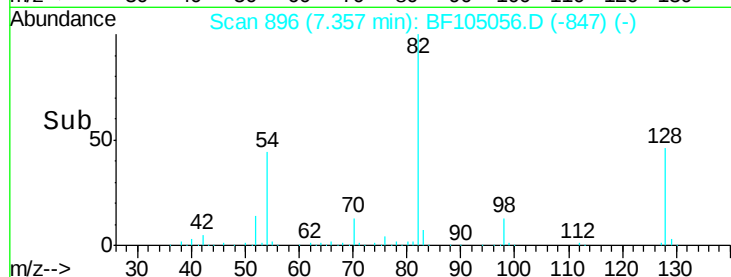
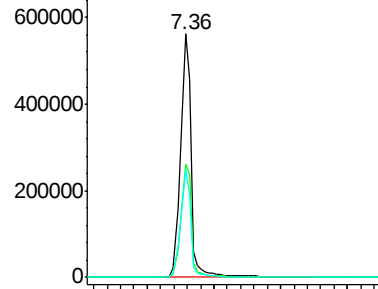
#23
 Nitrobenzene-d5
 Concen: 106.340 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF105056.D
 Acq: 3 May 2018 3:23

Instrument :
 BNA_F
 ClientSampleId :
 043018-SIDI-F-D-S

Tgt Ion: 82 Resp: 622572
 Ion Ratio Lower Upper
 82 100
 128 46.4 36.1 54.1
 54 44.1 41.4 62.2

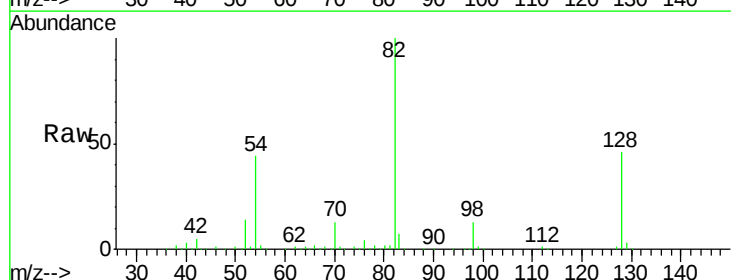


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

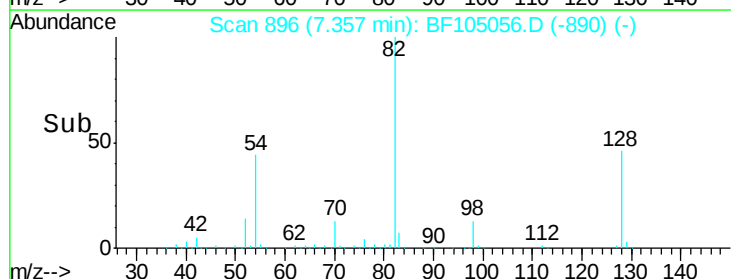
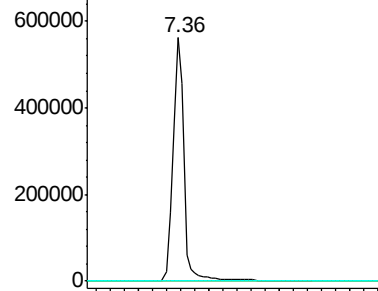


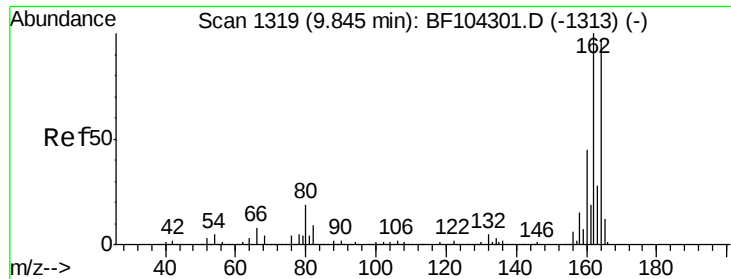
#25
 Isophorone
 Concen: 49.804 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF105056.D
 Acq: 3 May 2018 3:23

Tgt Ion: 82 Resp: 616584
 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: BF105056.D

Acq: 3 May 2018 3:23

Instrument :

BNA_F

ClientSampleId :

043018-SIDI-F-D-S

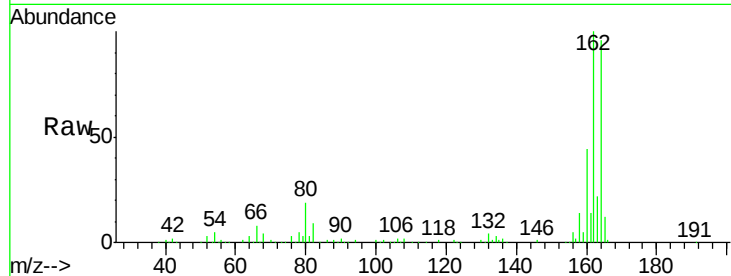
Tgt Ion:164 Resp: 170513

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

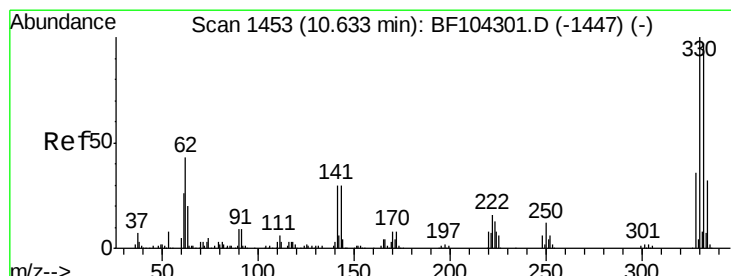
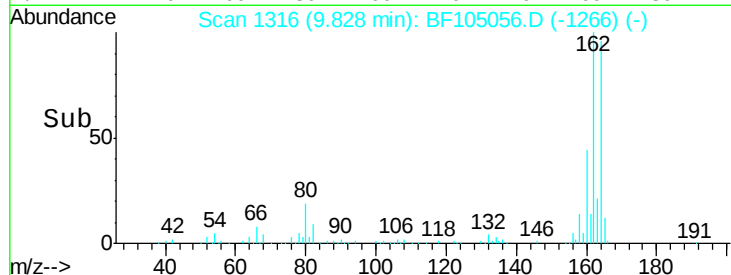
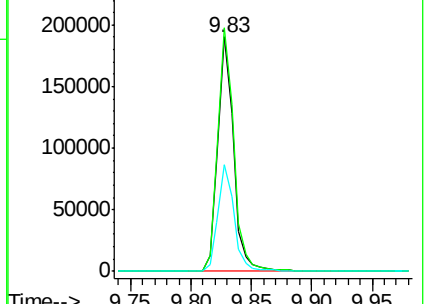
160 45.4 38.3 57.5



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: 96.737 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF105056.D

Acq: 3 May 2018 3:23

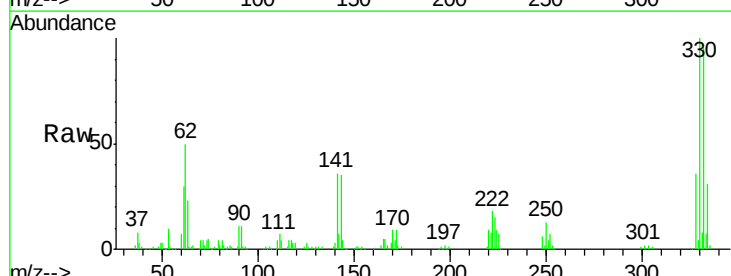
Tgt Ion:330 Resp: 171106

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

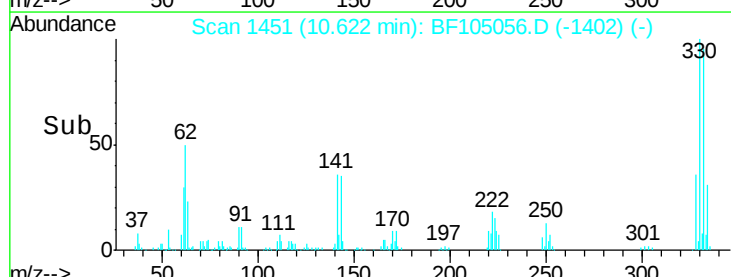
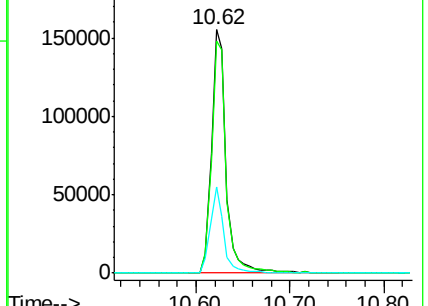
141 33.1 29.9 44.9

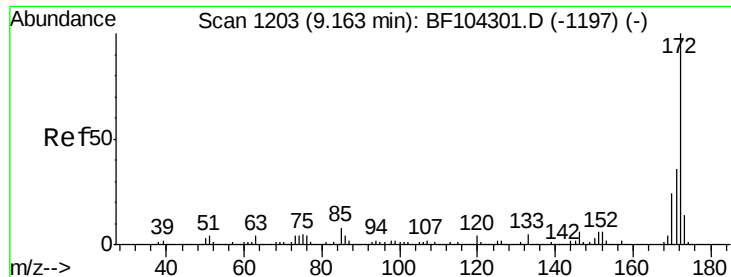


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

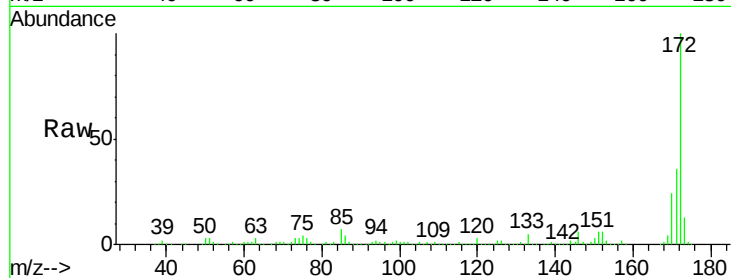




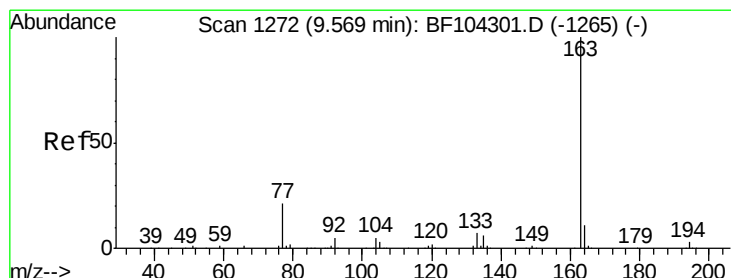
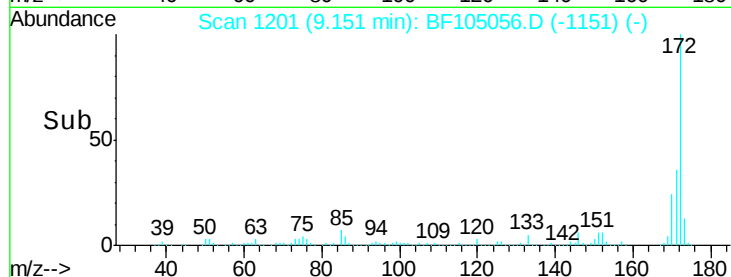
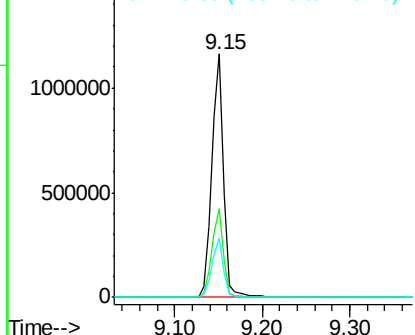
#44
2-Fluorobiphenyl
Concen: 100.776 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF105056.D
Acq: 3 May 2018 3:23

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Tgt Ion:172 Resp: 1087744
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.3 19.6 29.4

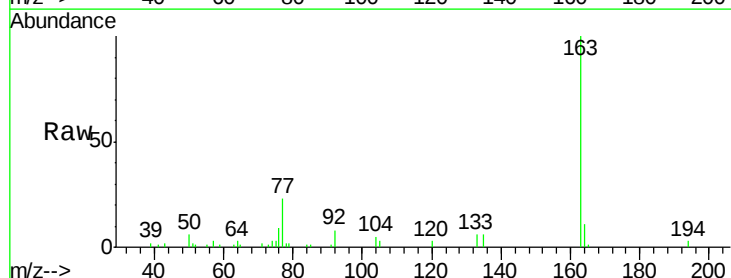


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

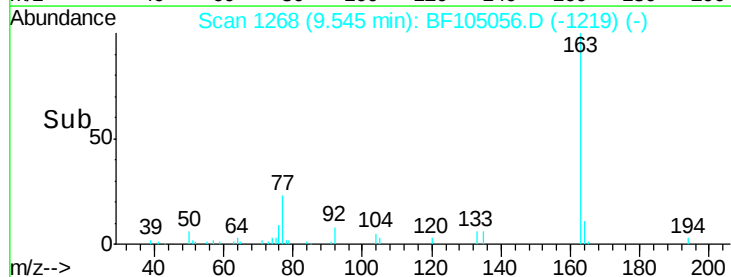
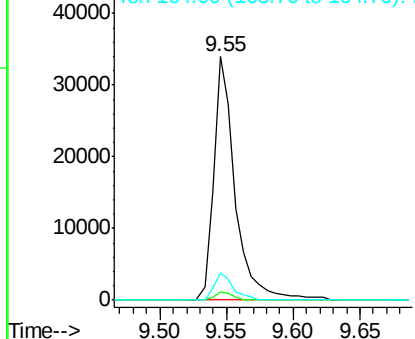


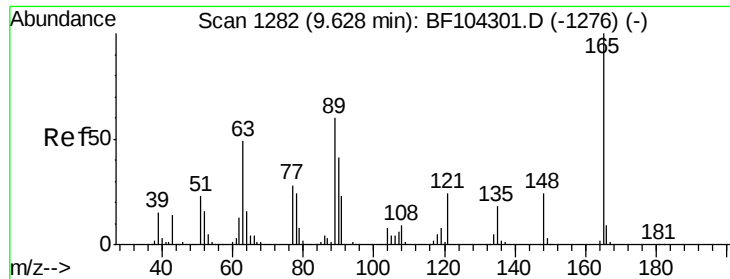
#49
Dimethylphthalate
Concen: 2.844 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF105056.D
Acq: 3 May 2018 3:23

Tgt Ion:163 Resp: 38244
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 11.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

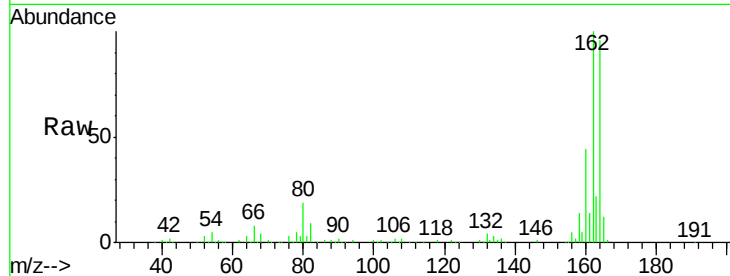




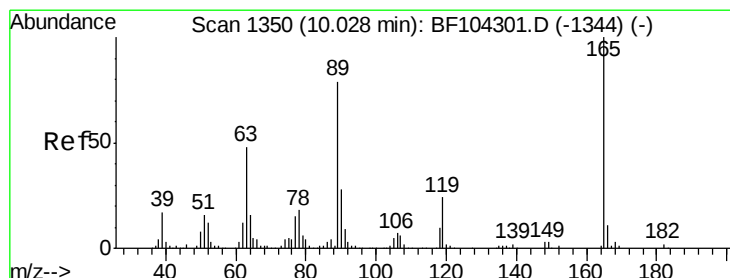
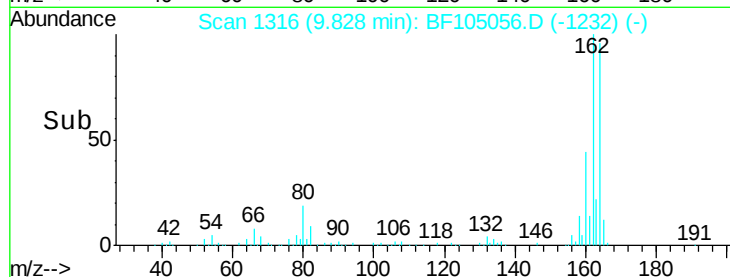
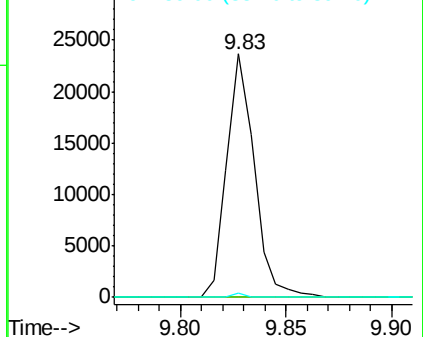
#50
 2,6-Dinitrotoluene
 Concen: 8.631 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF105056.D
 Acq: 3 May 2018 3:23

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Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.5	44.0	66.0#



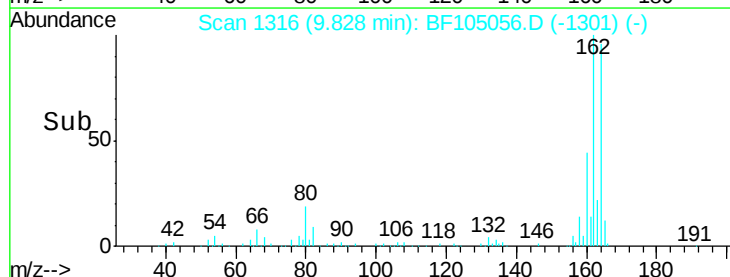
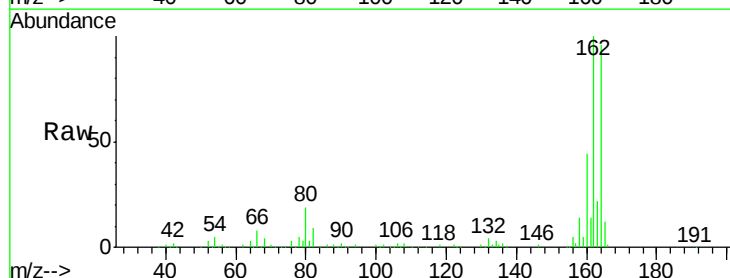
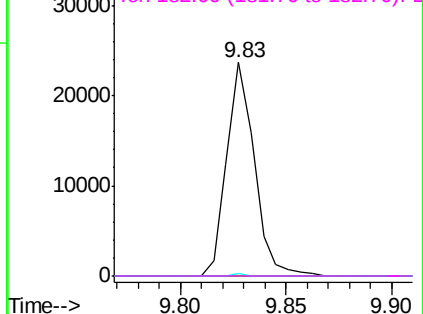
Abundance Ion 165.00 (164.70 to 165.70): E

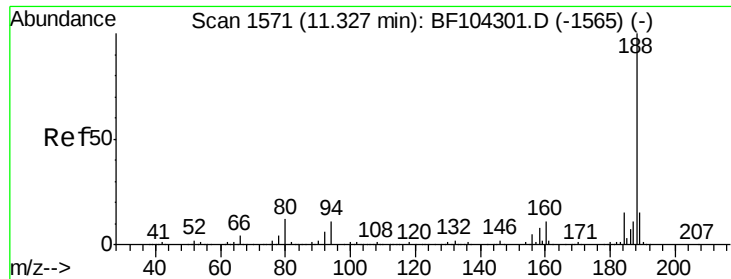


#56
 2,4-Dinitrotoluene
 Concen: 6.580 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF105056.D
 Acq: 3 May 2018 3:23

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

Abundance Ion 165.00 (164.70 to 165.70): E

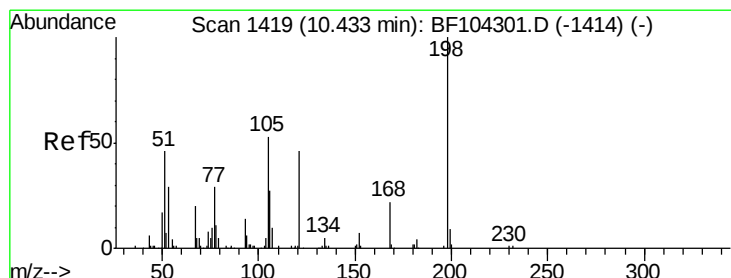
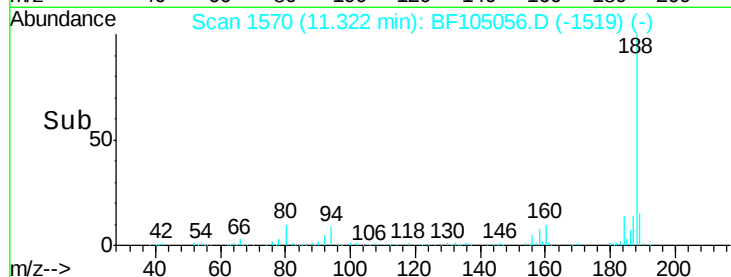
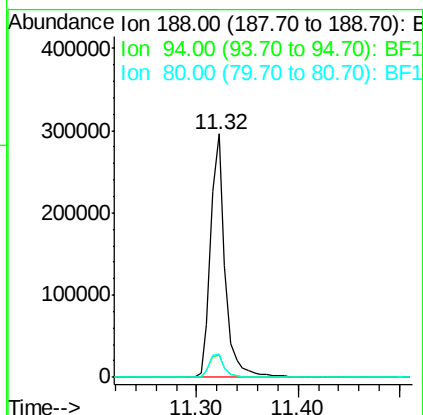
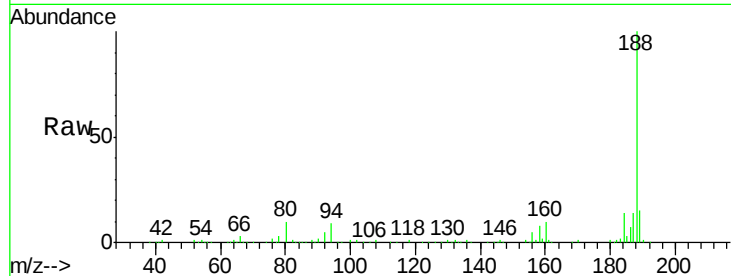




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF105056.D
Acq: 3 May 2018 3:23

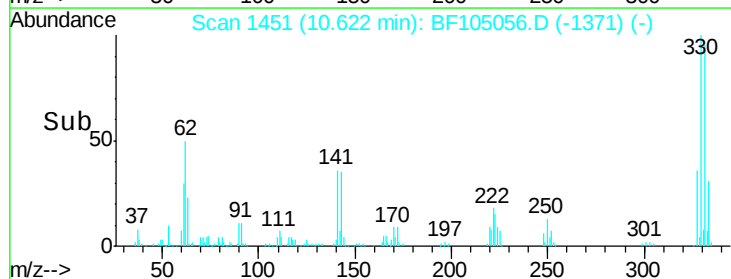
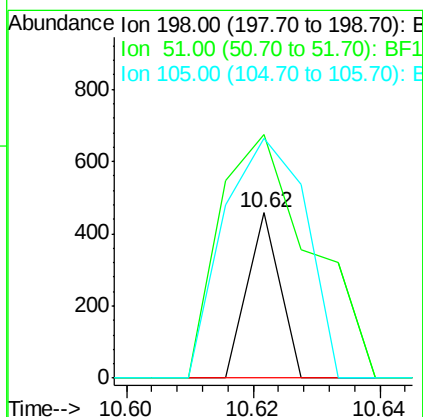
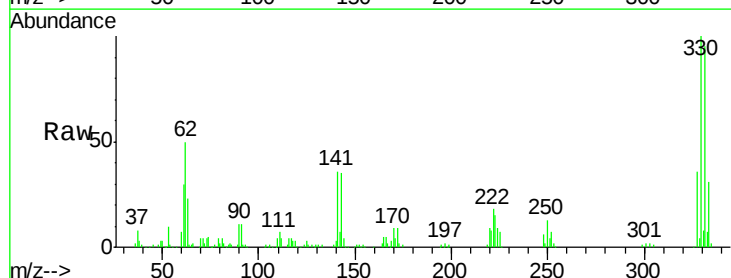
Instrument :
BNA_F
ClientSampleId :
043018-SIDI-F-D-S

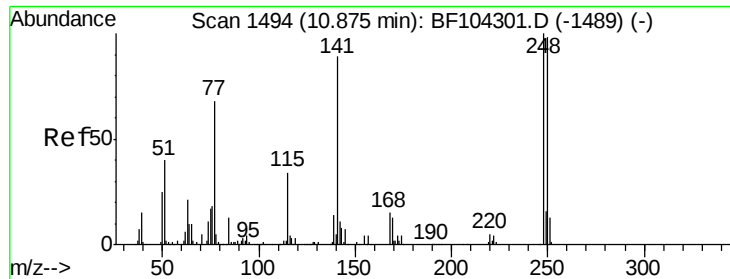
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	293352		
94	9.1		8.5	12.7
80	9.6		9.2	13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.443 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.17 min
Lab File: BF105056.D
Acq: 3 May 2018 3:23

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	162		
51	147.2		37.7	77.7#
105	145.0		36.3	76.3#

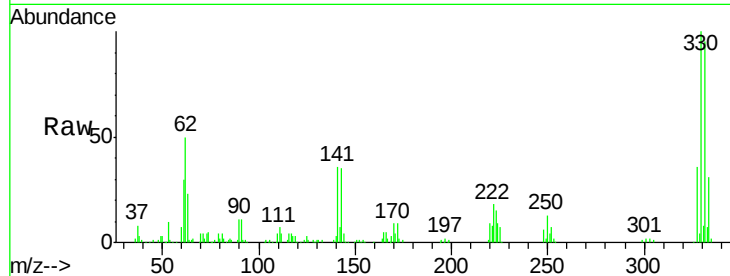




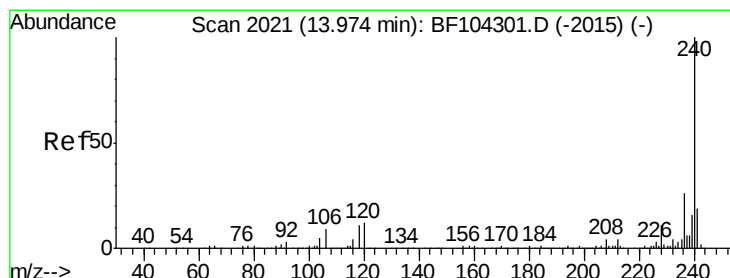
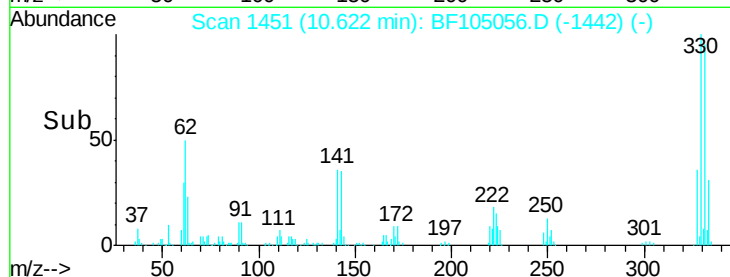
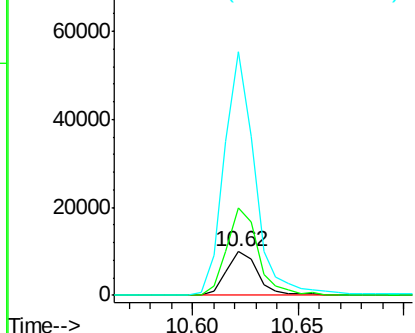
#66
4-Bromophenyl-phenylether
Concen: 3.309 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.25 min
Lab File: BF105056.D
Acq: 3 May 2018 3:23

Instrument :
BNA_F
ClientSampleId :
043018-SIDI-F-D-S

Tgt Ion:248 Resp: 10325
Ion Ratio Lower Upper
248 100
250 200.5 76.9 115.3#
141 558.9 74.4 111.6#

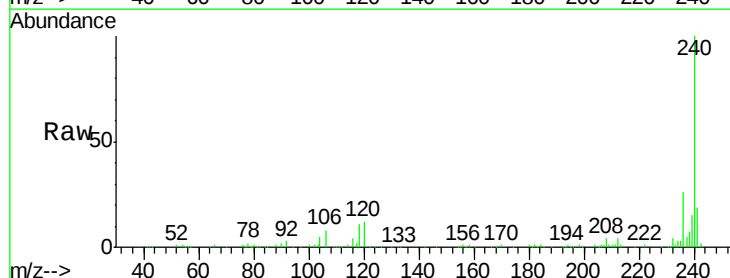


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

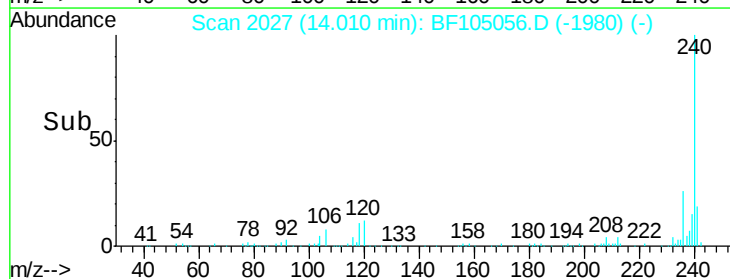
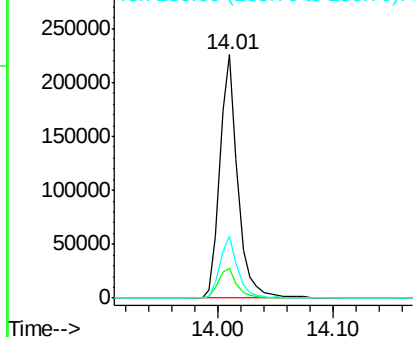


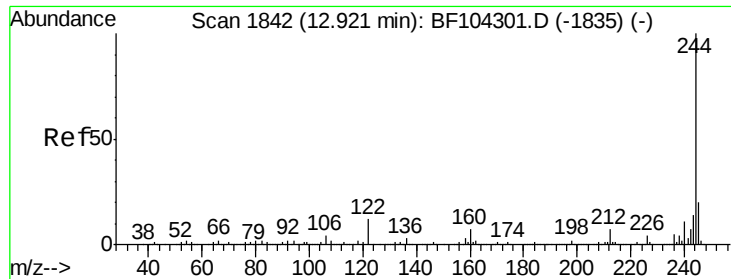
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF105056.D
Acq: 3 May 2018 3:23

Tgt Ion:240 Resp: 243645
Ion Ratio Lower Upper
240 100
120 12.0 9.5 14.3
236 25.7 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

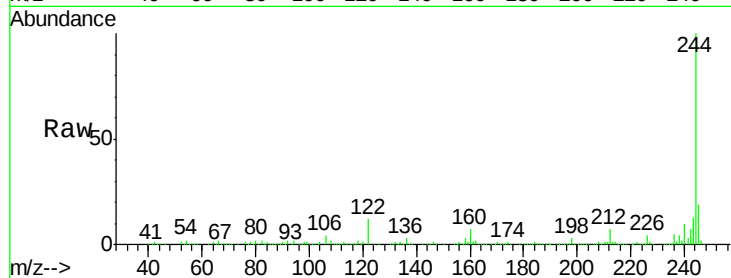




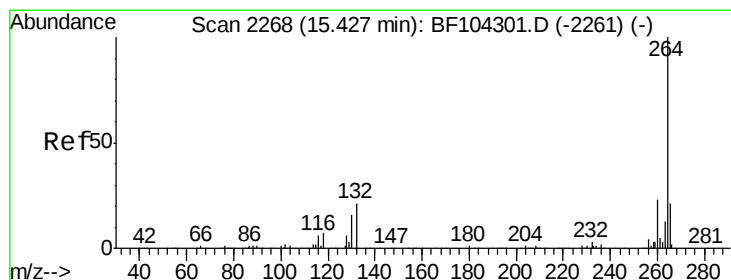
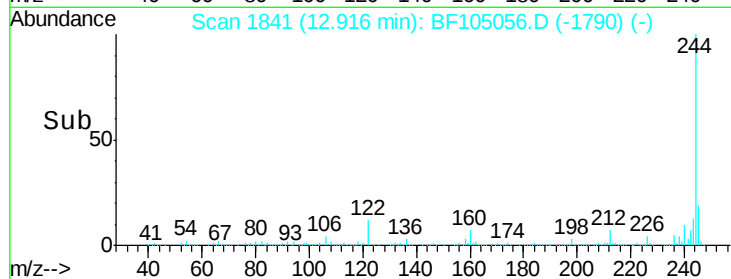
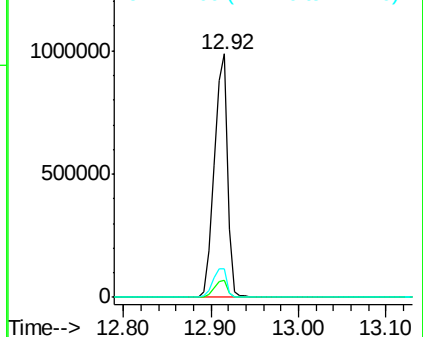
#78
 Terphenyl-d14
 Concen: 97.504 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF105056.D
 Acq: 3 May 2018 3:23

Instrument :
 BNA_F
 ClientSampleId :
 043018-SIDI-F-D-S

Tgt Ion:244 Resp: 1042022
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.5 11.0 16.4

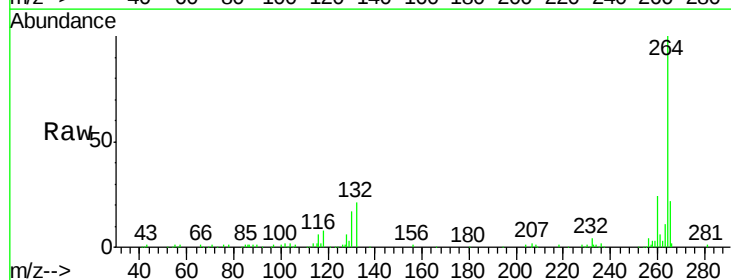


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. -0.04 min
 Lab File: BF105056.D
 Acq: 3 May 2018 3:23

Tgt Ion:264 Resp: 187004
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.7 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

