

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104568.D
 Acq On : 17 Apr 2018 18:24
 Operator : JU/SJ
 Sample : J2354-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:49:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	126010	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	474160	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	187173	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	317329	20.00	ng	0.00
75) Chrysene-d12	13.97	240	283581	20.00	ng	0.00
86) Perylene-d12	15.44	264	220880	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	809861	98.27	ng	0.00
7) Phenol-d6	6.45	99	966756	95.48	ng	0.00
23) Nitrobenzene-d5	7.37	82	595830	82.05	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	198218	102.09	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	906995	76.55	ng	0.00
78) Terphenyl-d14	12.92	244	784650	63.08	ng	0.00

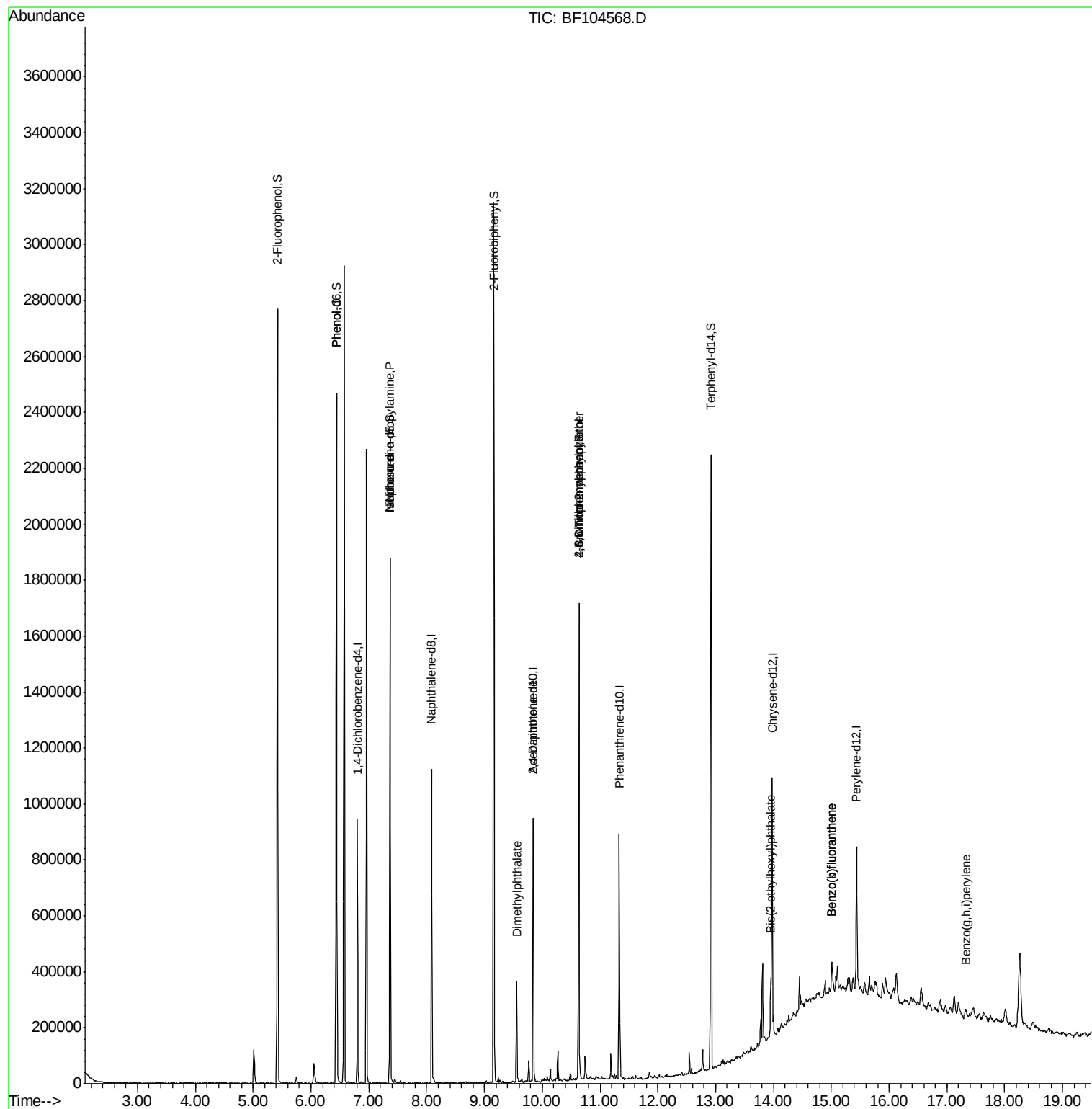
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	33252	3.095	ng	81
19) n-Nitroso-di-n-propylamine	7.37	70	77423	11.701	ng	# 72
25) Isophorone	7.37	82	595817	38.802	ng	# 64
49) Dimethylphthalate	9.56	163	129462	8.771	ng	99
56) 2,4-Dinitrotoluene	9.84	165	24445	6.823	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	352	7.540	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	11485	3.403	ng	# 1
76) Benzidine	12.92	184	10462	Below Cal		98
83) Bis(2-ethylhexyl)phthalate	13.95	149	55673	4.371	ng	100
87) Benzo(b)fluoranthene	15.01	252	58741	4.211	ng	# 88
88) Benzo(k)fluoranthene	15.01	252	58741	4.460	ng	# 90
91) Benzo(a,h,i)perylene	17.32	276	22315	2.247	ng	96

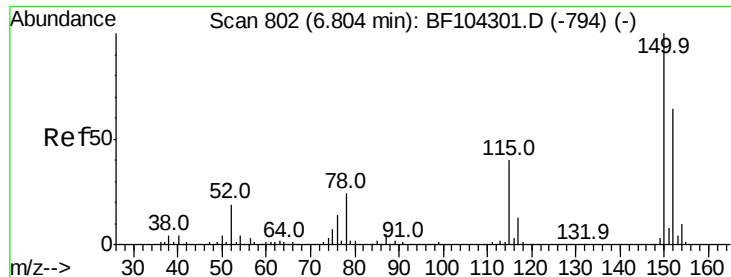
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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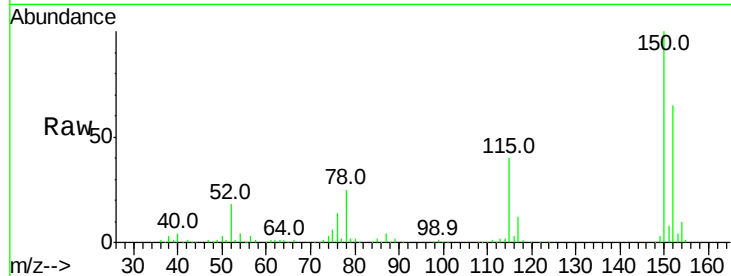


#1

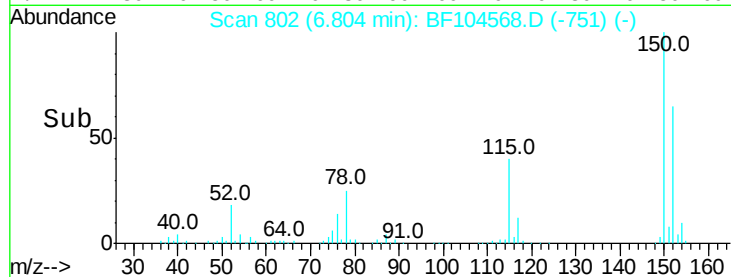
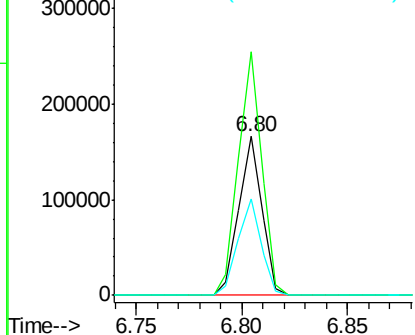
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104568.D
Acq: 17 Apr 2018 18:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 126010
Ion Ratio Lower Upper
152 100
150 153.1 124.6 186.8
115 60.7 50.1 75.1



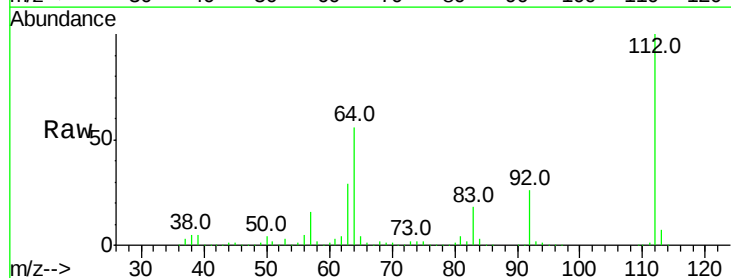
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



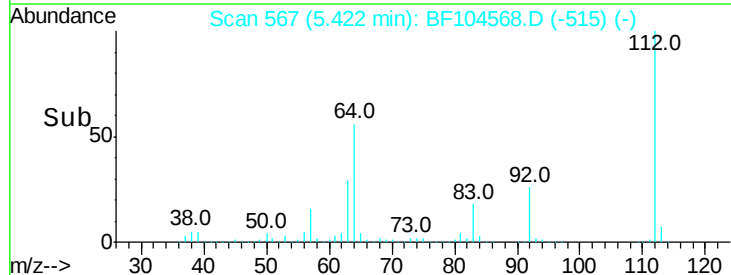
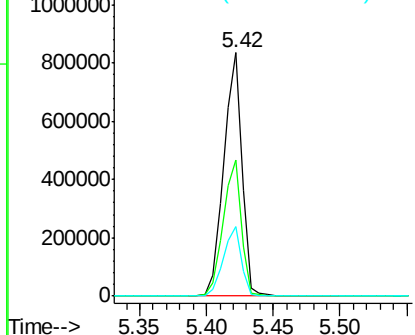
#5

2-Fluorophenol
Concen: 98.272 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104568.D
Acq: 17 Apr 2018 18:24

Tgt Ion:112 Resp: 809861
Ion Ratio Lower Upper
112 100
64 56.0 47.9 71.9
63 28.7 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: 95.477 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

Instrument :

BNA_F

ClientSampled :

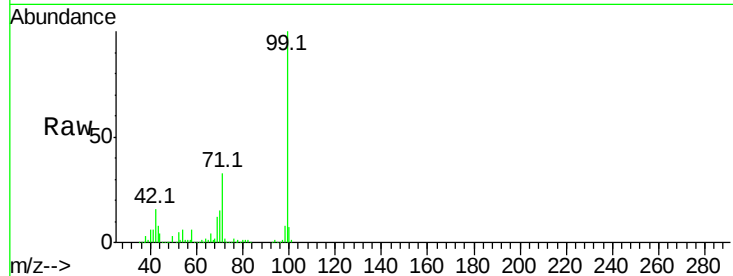
Tot Ion: 99 Resp: 966756

Ion Ratio Lower Upper

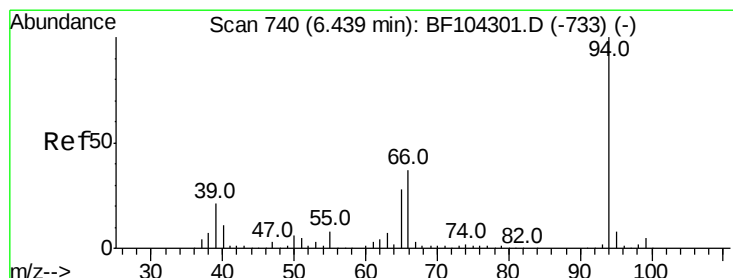
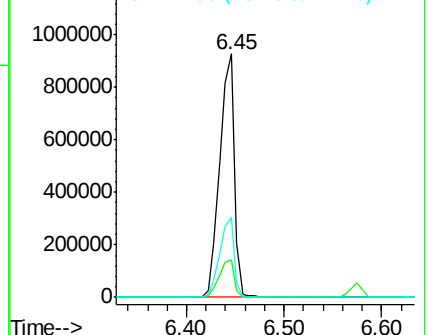
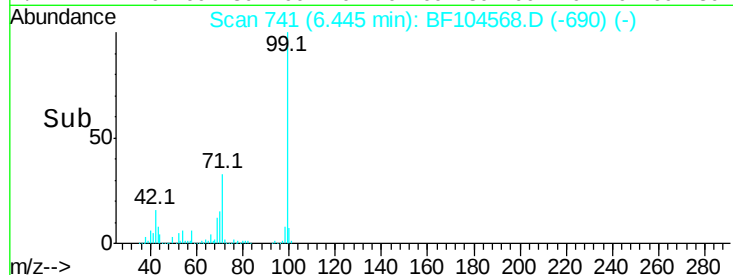
99 100

42 15.7 14.5 21.7

71 32.6 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



#10

Phenol

Concen: 3.095 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

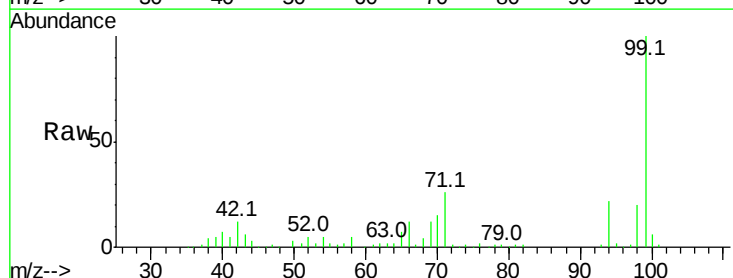
Tgt Ion: 94 Resp: 33252

Ion Ratio Lower Upper

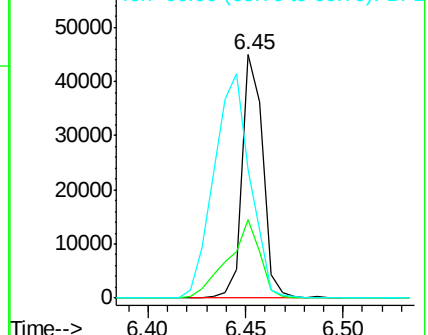
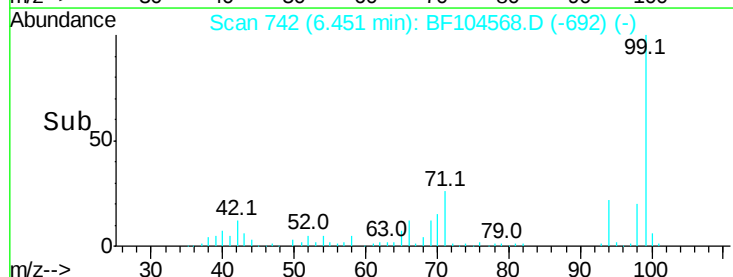
94 100

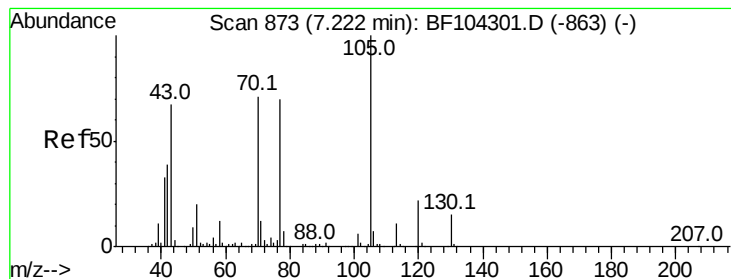
65 32.5 7.9 47.9

66 52.5 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.701 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 77423

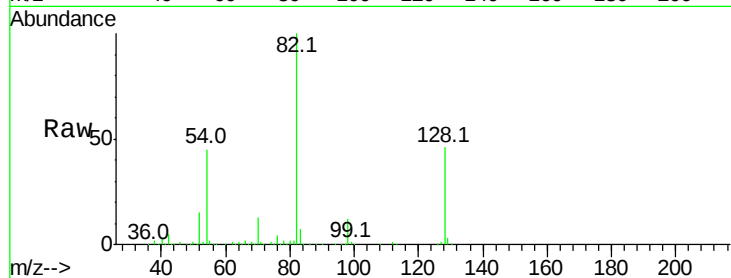
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

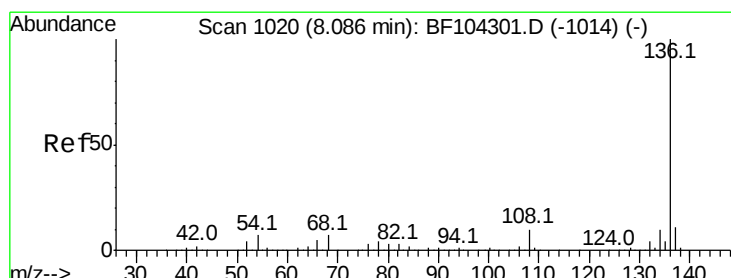
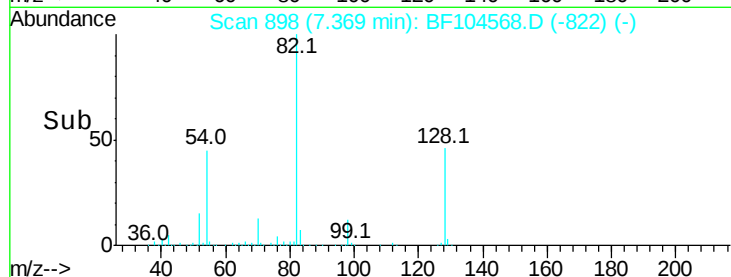
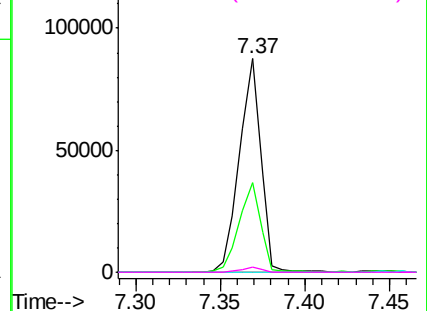


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

Tgt Ion:136 Resp: 474160

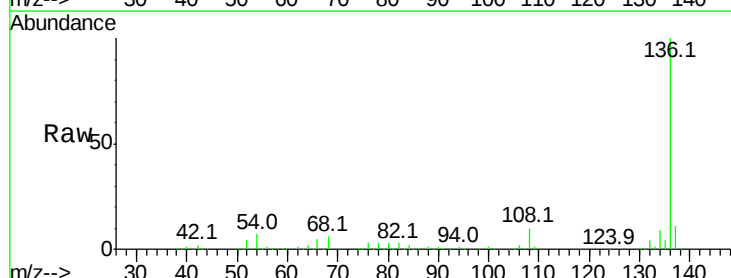
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.2 6.6 9.8

68 6.3 5.0 7.4

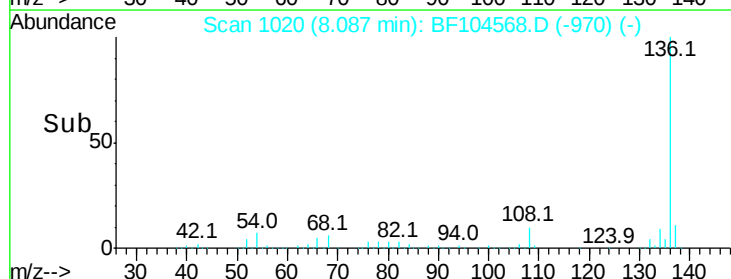
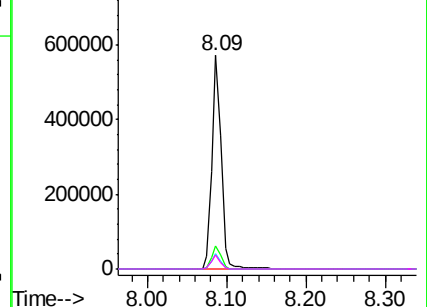


Abundance Ion 136.00 (135.70 to 136.70): BF1

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: 82.054 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

Instrument :

BNA_F

ClientSampleId :

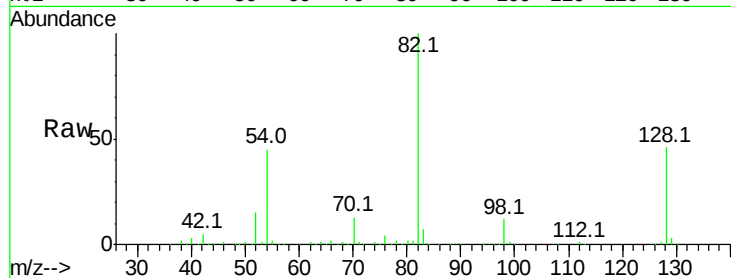
Tot Ion: 82 Resp: 595830

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

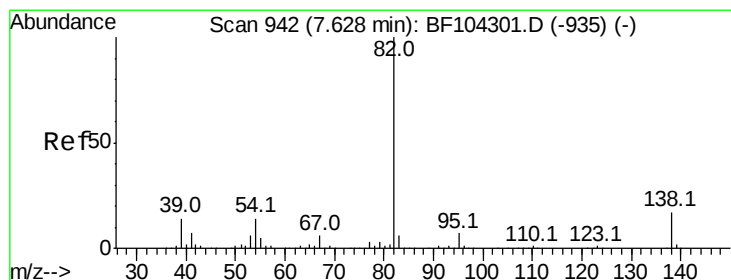
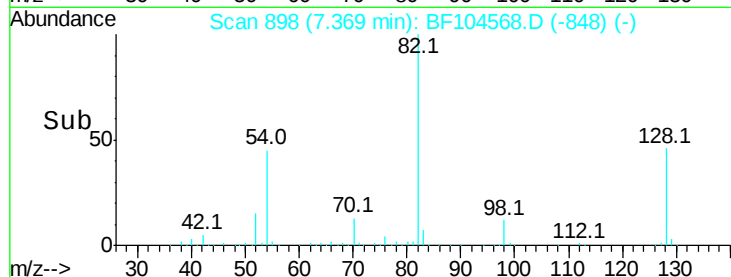
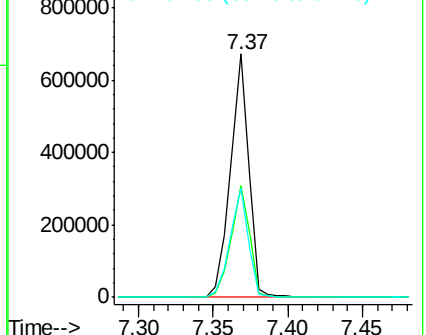
54 44.9 41.4 62.2



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: 38.802 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

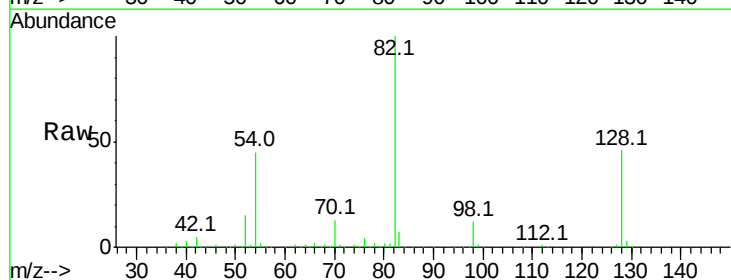
Tgt Ion: 82 Resp: 595817

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

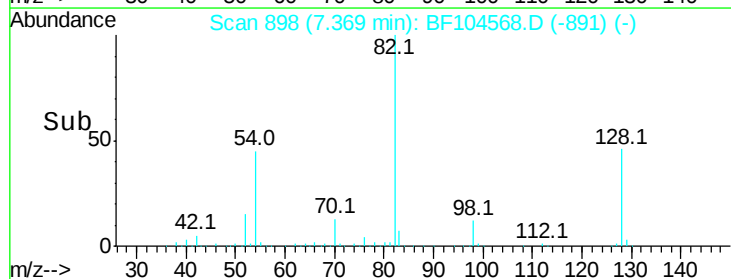
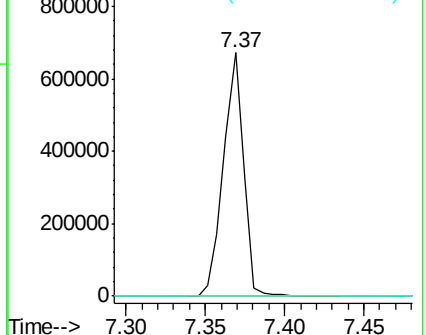
138 0.0 14.9 22.3#

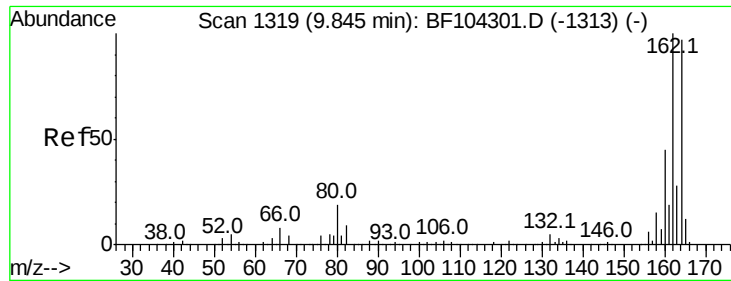


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

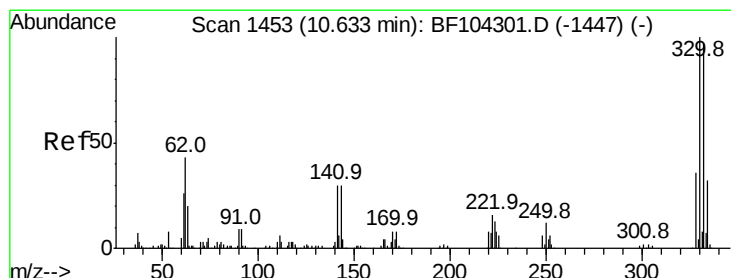
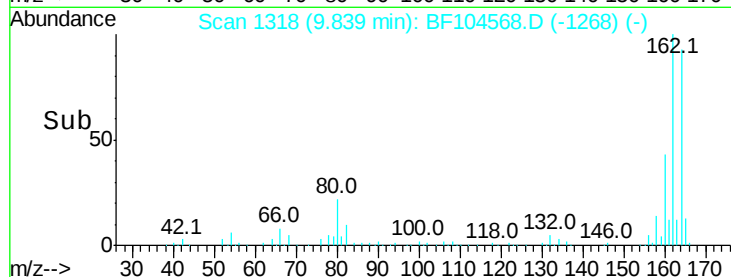
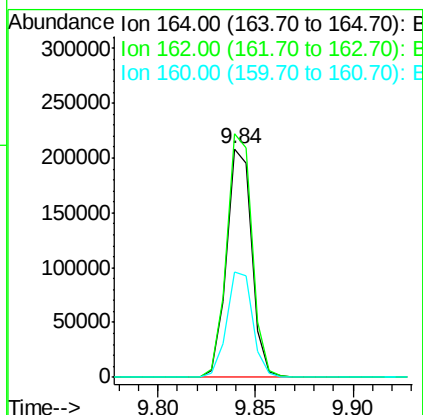
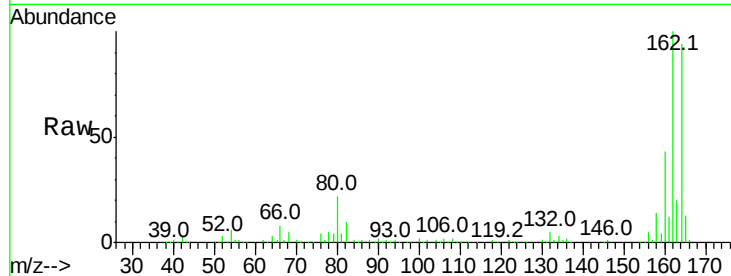




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104568.D
 Acq: 17 Apr 2018 18:24

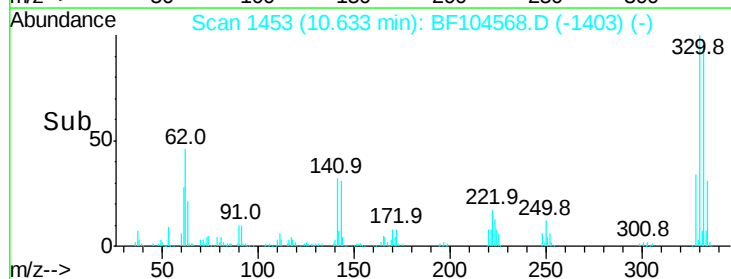
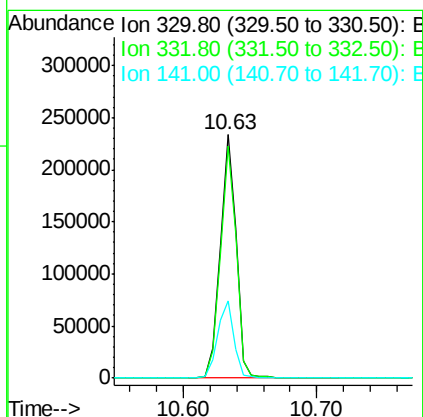
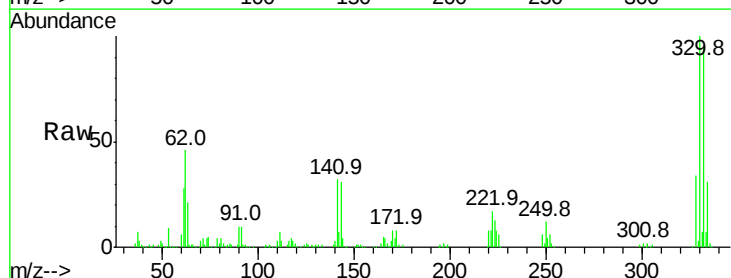
Instrument :
 BNA_F
 ClientSampleId :

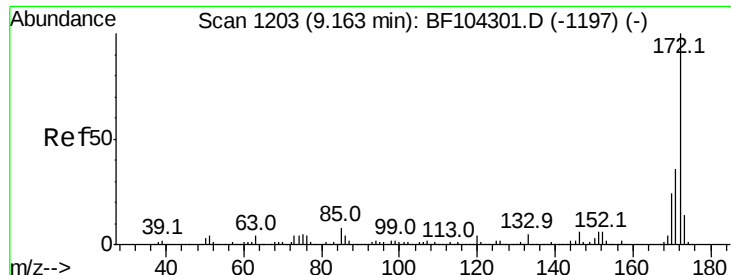
Tot Ion	Ratio	Lower	Upper
164	100		
162	106.5	86.1	129.1
160	46.0	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 102.090 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104568.D
 Acq: 17 Apr 2018 18:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	32.8	29.9	44.9

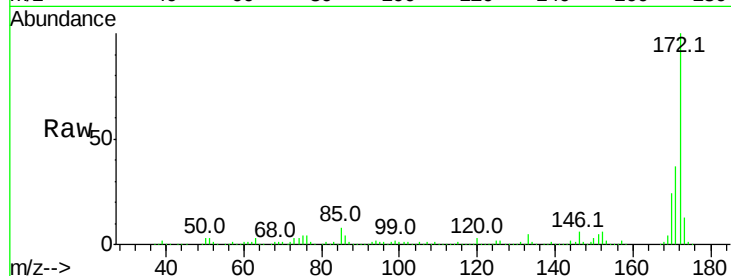




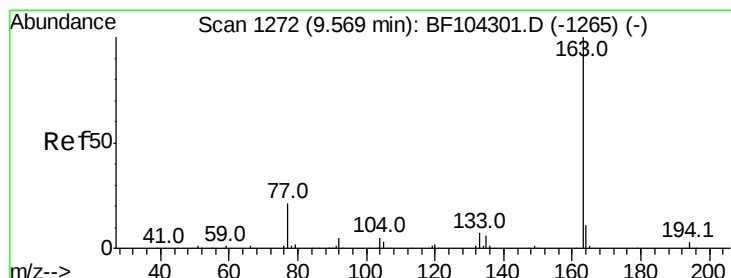
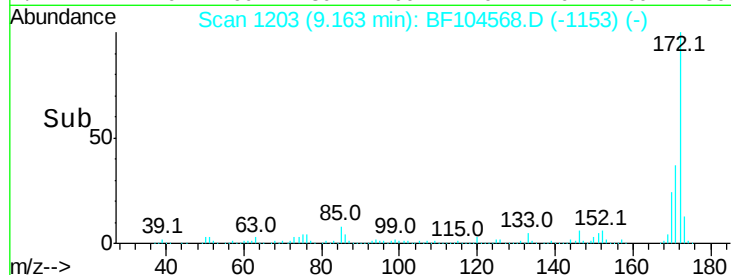
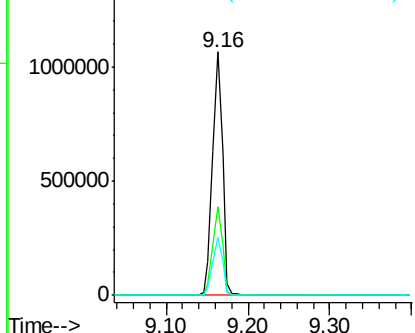
#44
2-Fluorobiphenyl
Concen: 76.551 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104568.D
Acq: 17 Apr 2018 18:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.8	19.6	29.4

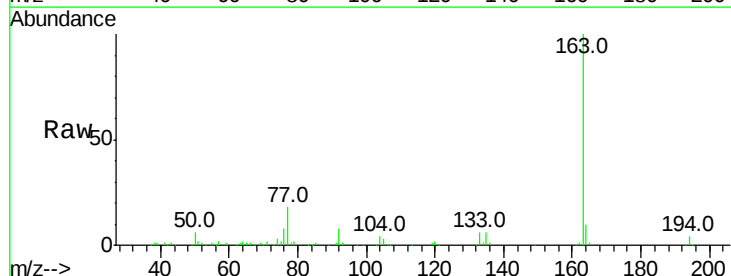


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

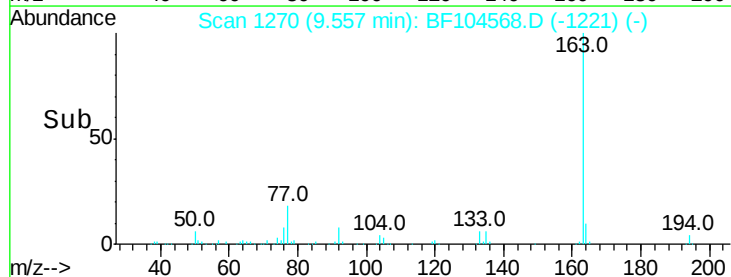
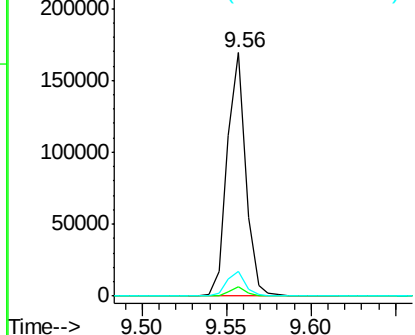


#49
Dimethylphthalate
Concen: 8.771 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104568.D
Acq: 17 Apr 2018 18:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.0	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

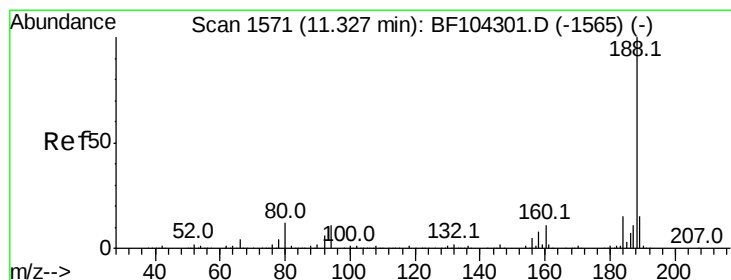
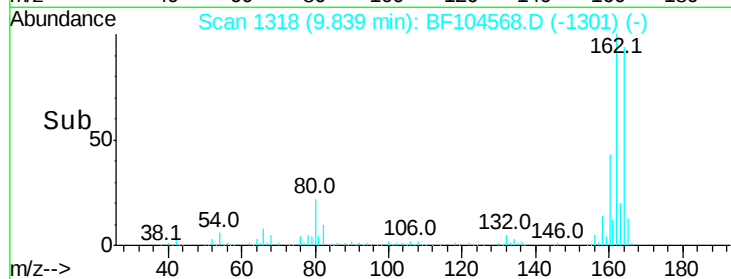
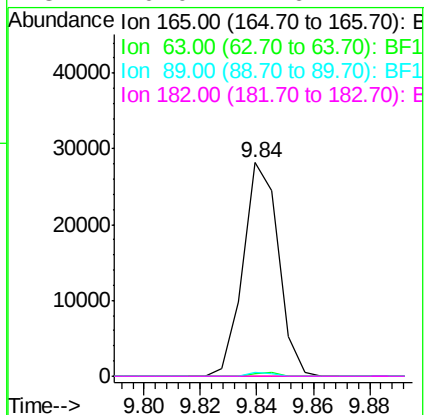
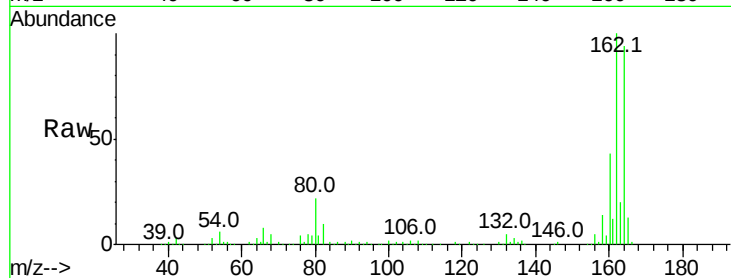




#56
 2,4-Dinitrotoluene
 Concen: 6.823 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104568.D
 Acq: 17 Apr 2018 18:24

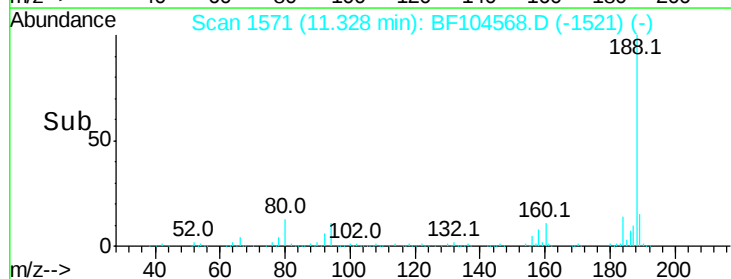
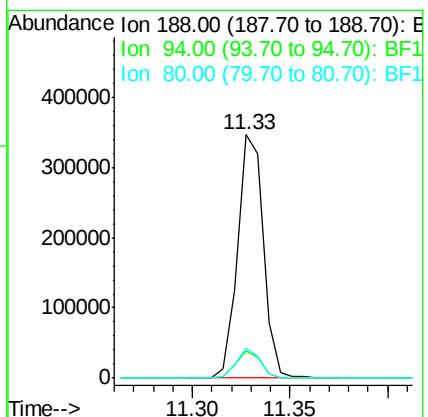
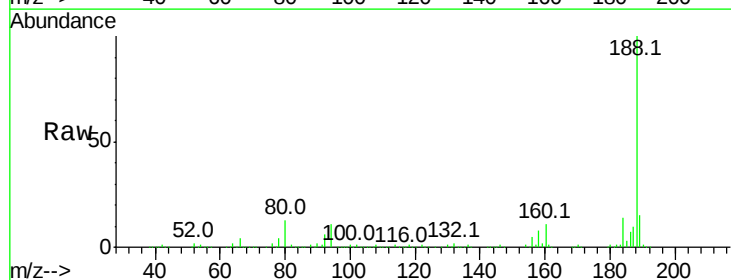
Instrument :
 BNA_F
 ClientSampleId :

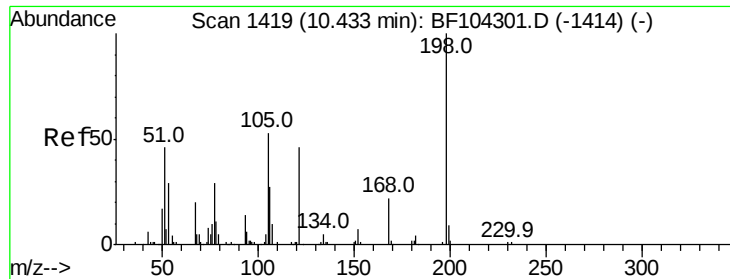
Tot Ion:165	Resp:	24445
Ion Ratio	Lower	Upper
165 100		
63 1.3	36.4	54.6#
89 2.0	57.8	86.6#
182 0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104568.D
 Acq: 17 Apr 2018 18:24

Tgt Ion:188	Resp:	317329
Ion Ratio	Lower	Upper
188 100		
94 11.3	8.5	12.7
80 12.5	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.540 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

Instrument :

BNA_F

ClientSampled :

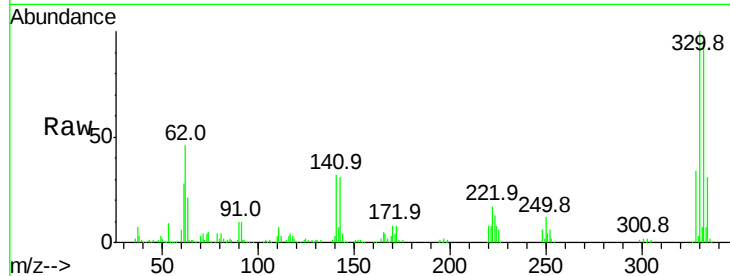
Tot Ion:198 Resp: 352

Ion Ratio Lower Upper

198 100

51 166.3 37.7 77.7#

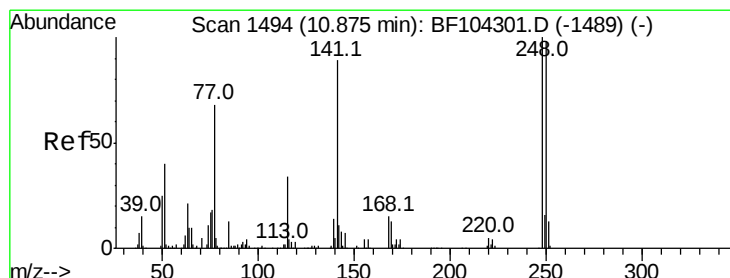
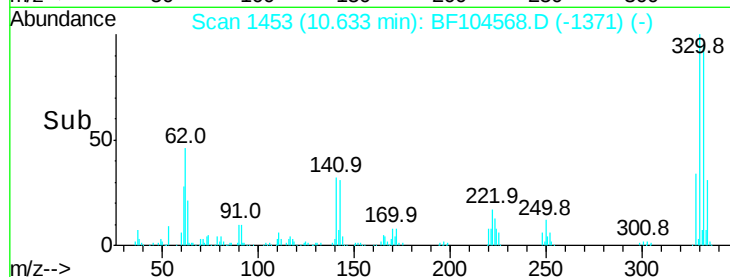
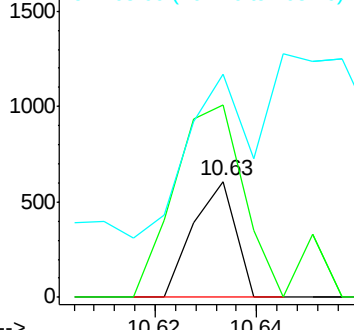
105 191.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.403 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

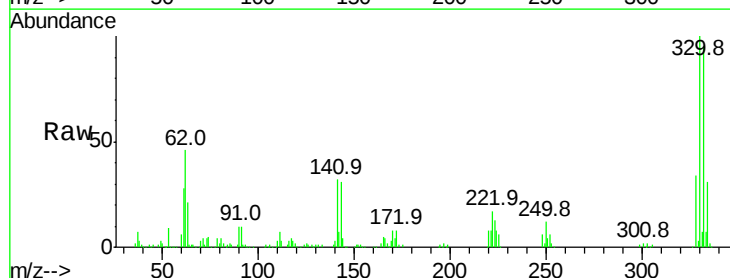
Tgt Ion:248 Resp: 11485

Ion Ratio Lower Upper

248 100

250 199.7 76.9 115.3#

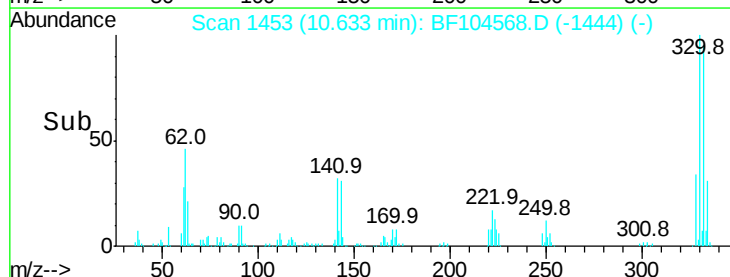
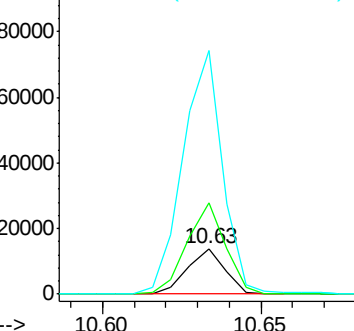
141 532.1 74.4 111.6#

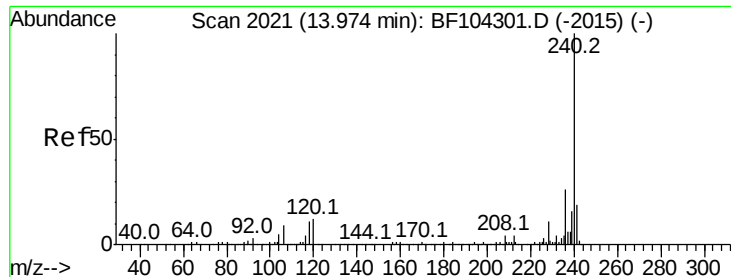


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

Instrument :

BNA_F

ClientSampleId :

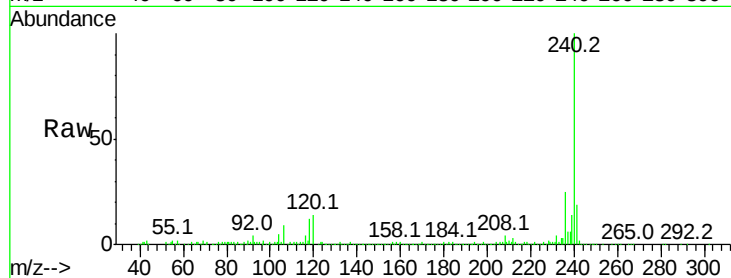
Tot Ion:240 Resp: 283581

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

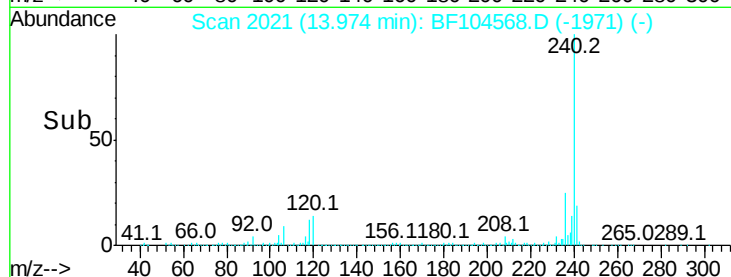
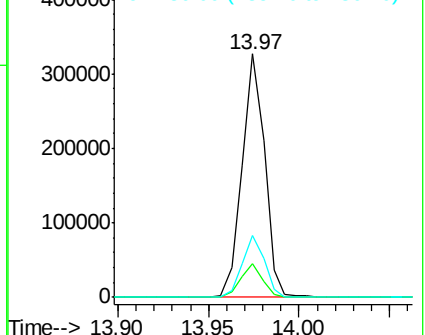
236 25.3 20.7 31.1



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: 63.081 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

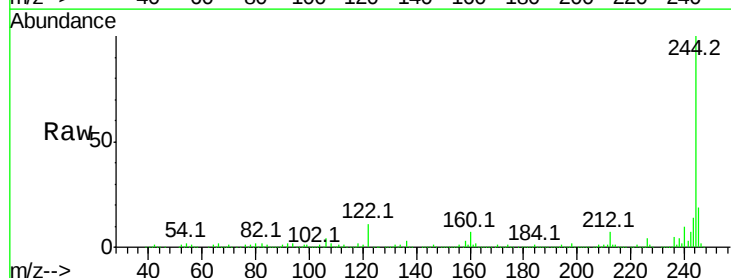
Tgt Ion:244 Resp: 784650

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

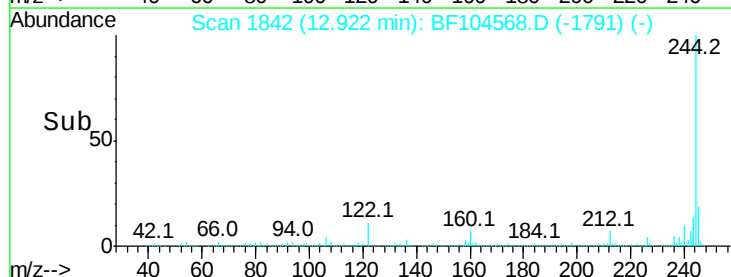
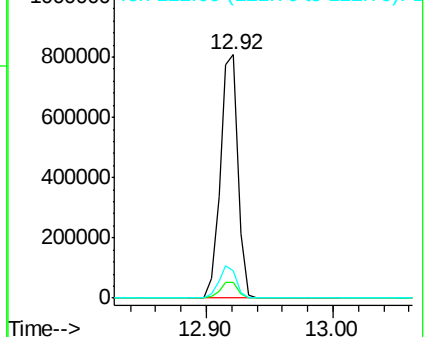
122 11.4 11.0 16.4

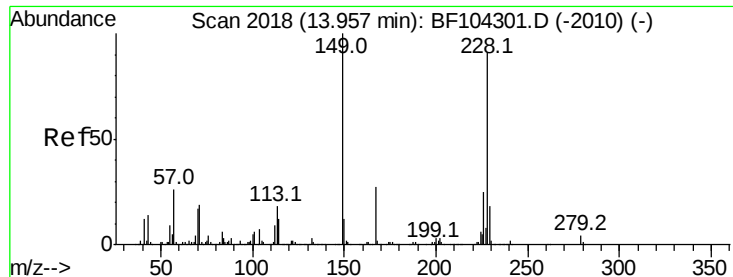


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.371 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

Instrument :

BNA_F

ClientSampleId :

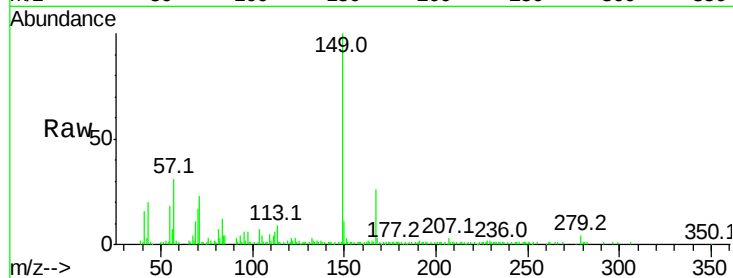
Tot Ion:149 Resp: 55673

Ion Ratio Lower Upper

149 100

167 26.4 21.3 31.9

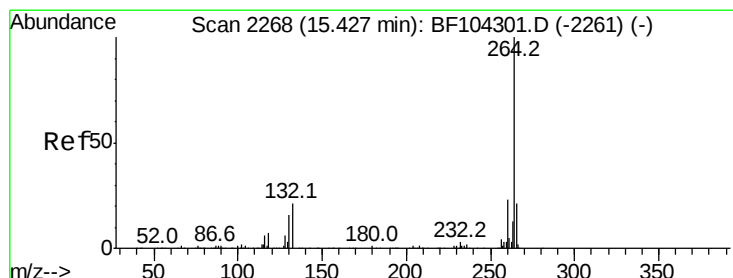
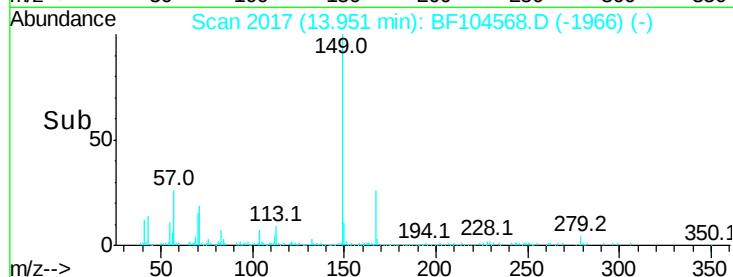
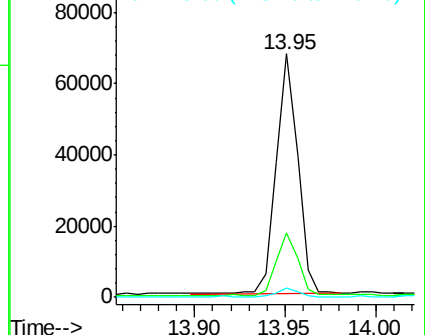
279 3.6 3.0 4.4



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: 15.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

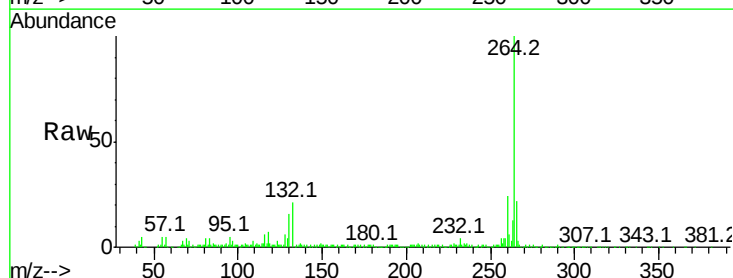
Tgt Ion:264 Resp: 220880

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

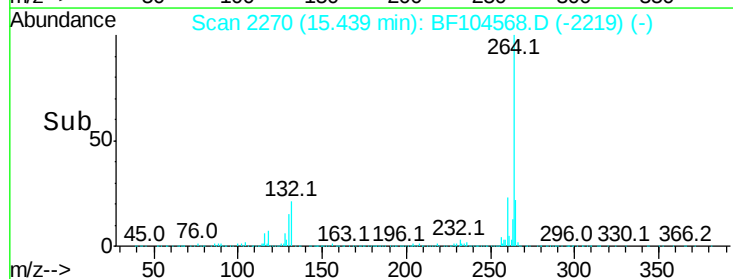
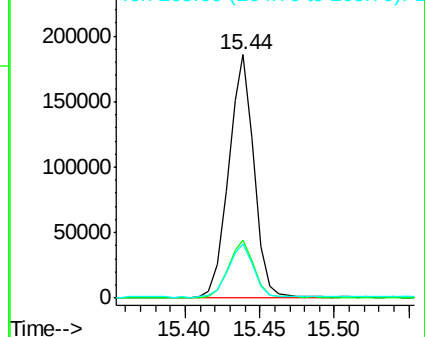
265 22.5 17.5 26.3

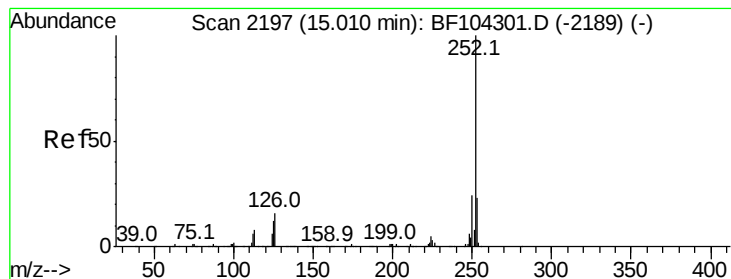


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.211 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

Instrument :

BNA_F

ClientSampleId :

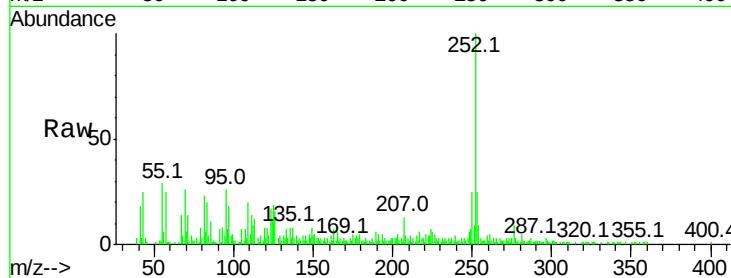
Tot Ion:252 Resp: 58741

Ion Ratio Lower Upper

252 100

253 25.3 17.0 25.6

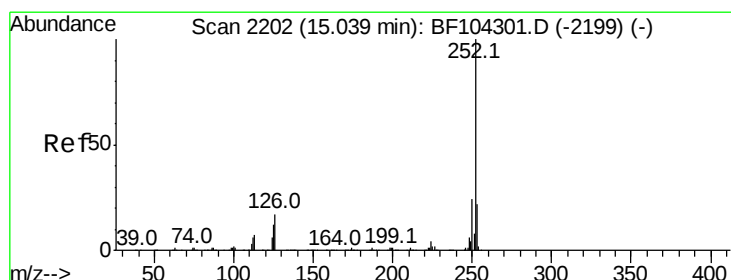
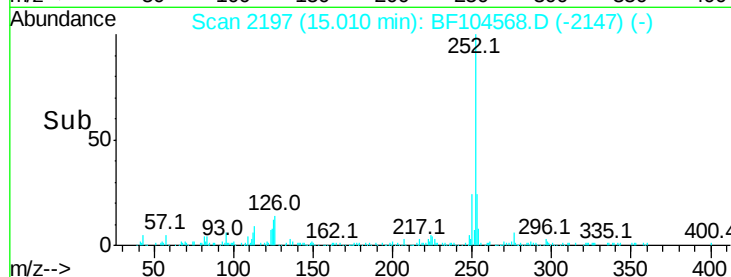
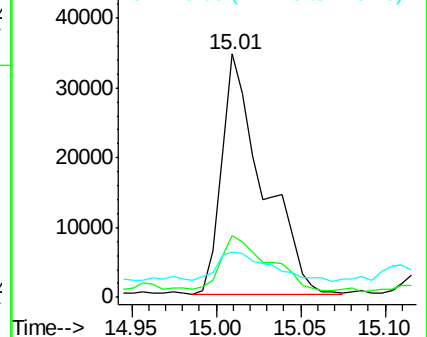
125 18.8 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.460 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.04 min

Lab File: BF104568.D

Acq: 17 Apr 2018 18:24

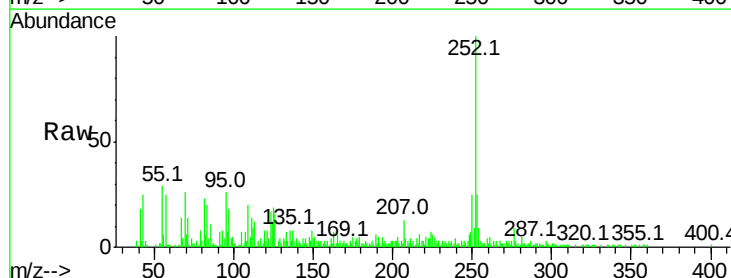
Tgt Ion:252 Resp: 58741

Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

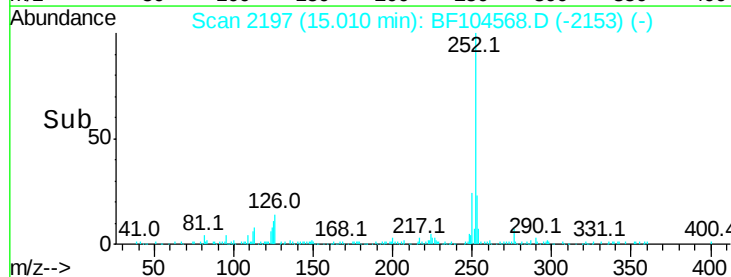
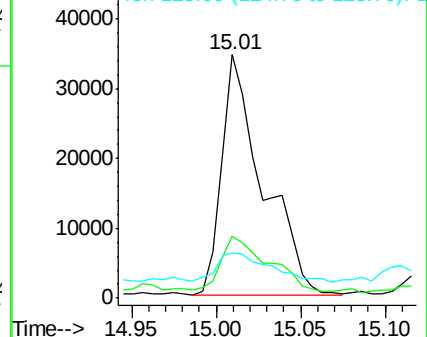
125 18.8 10.2 15.2#

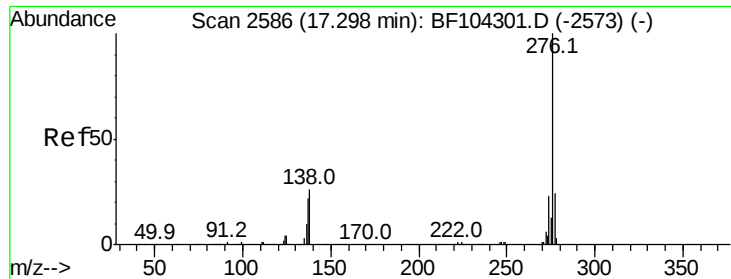


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.247 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: BF104568.D
 Acq: 17 Apr 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	25.5	21.8	32.8

