

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
 Data File : BF101504.D
 Acq On : 19 Dec 2017 3:23
 Operator : SJ/JU
 Sample : I6909-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 121217-TIDO-E-D-S

Quant Time: Dec 19 07:01:11 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

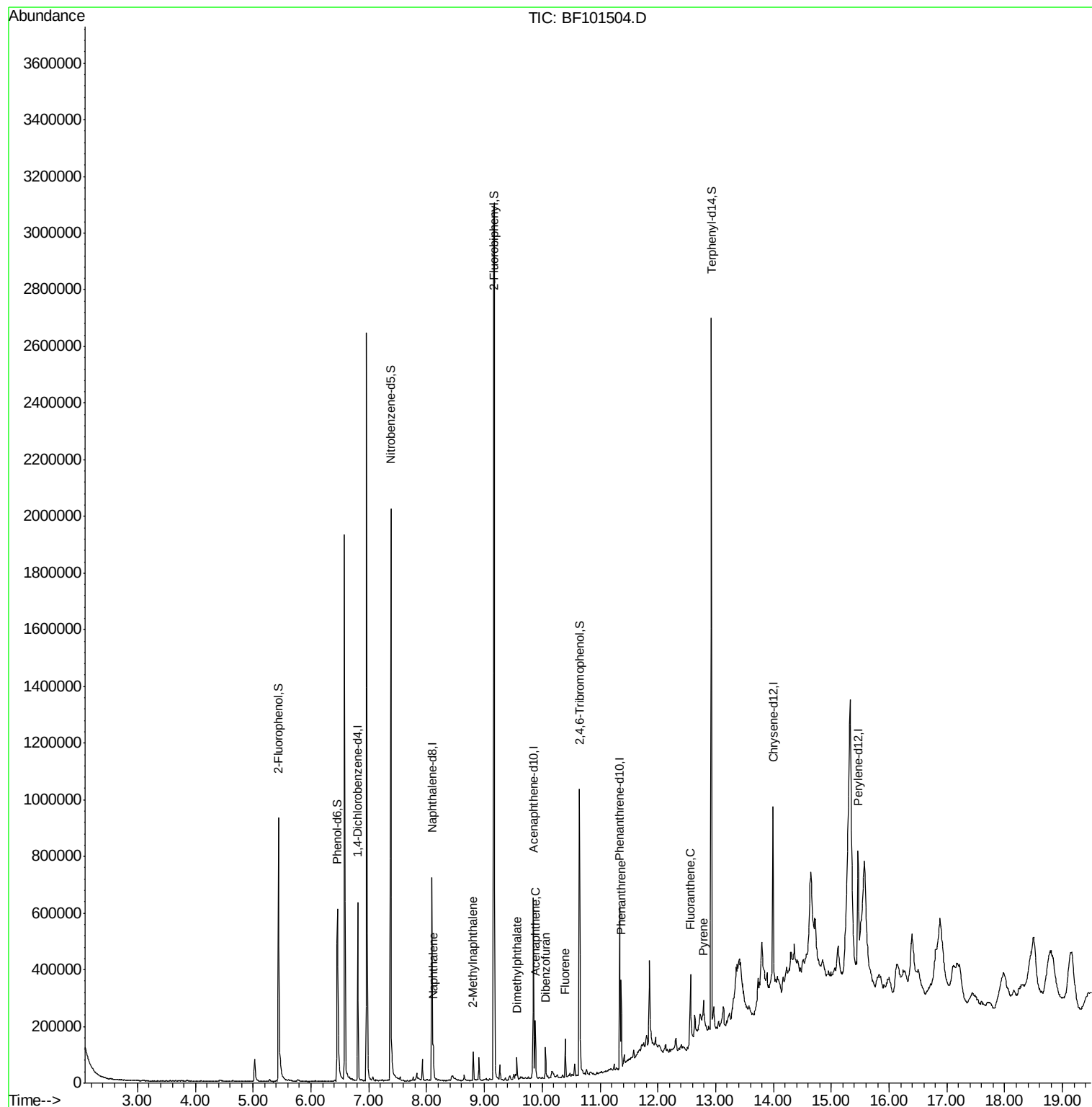
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	94058	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	336452	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	121434	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	203481	20.00	ng	0.00
75) Chrysene-d12	13.99	240	223705	20.00	ng	0.00
86) Perylene-d12	15.46	264	199411	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	369515	58.52	ng	0.02
7) Phenol-d6	6.46	99	270788	34.46	ng	0.00
23) Nitrobenzene-d5	7.38	82	692019	114.49	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	136975	117.06	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1102321	140.81	ng	0.00
78) Terphenyl-d14	12.92	244	919411	99.08	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.12	128	49258	2.908	ng	97
37) 2-Methylnaphthalene	8.80	142	30996	2.809	ng	96
49) Dimethylphthalate	9.56	163	27142	2.779	ng	100
51) Acenaphthene	9.88	154	41459	5.302	ng	100
54) Dibenzofuran	10.06	168	40878	4.114	ng	99
57) Fluorene	10.40	166	37825	4.500	ng	96
70) Phenanthrene	11.36	178	110969	9.806	ng	97
74) Fluoranthene	12.56	202	49869	4.199	ng	97
77) Pyrene	12.79	202	34355	2.046	ng	99

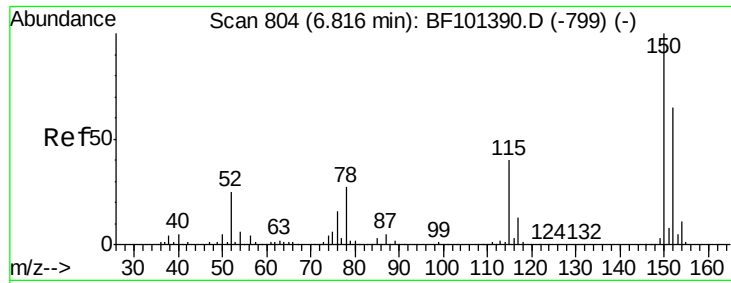
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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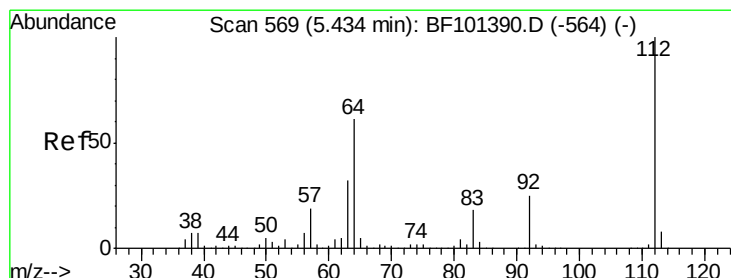
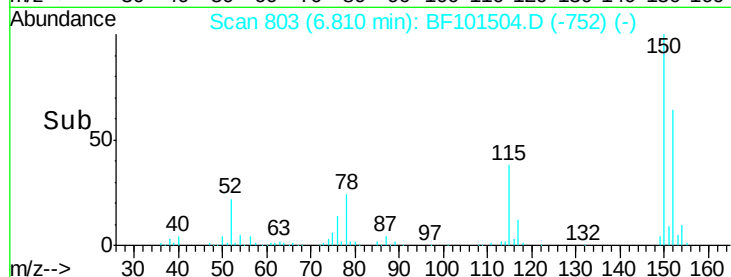
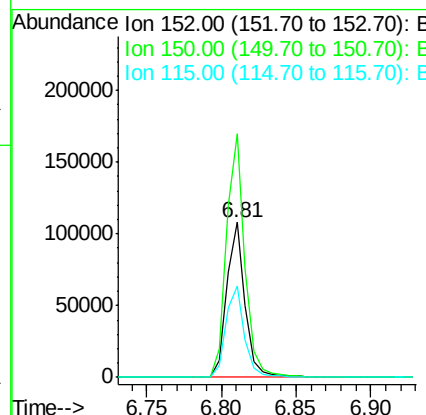
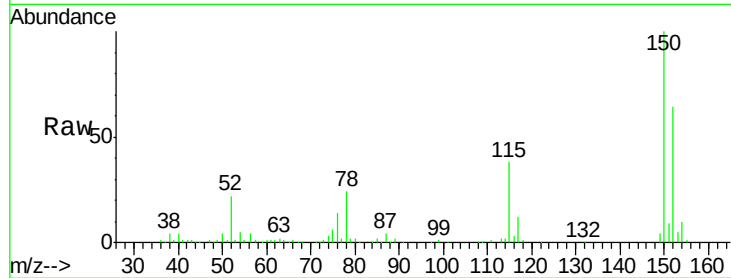




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF101504.D
 Acq: 19 Dec 2017 3:23

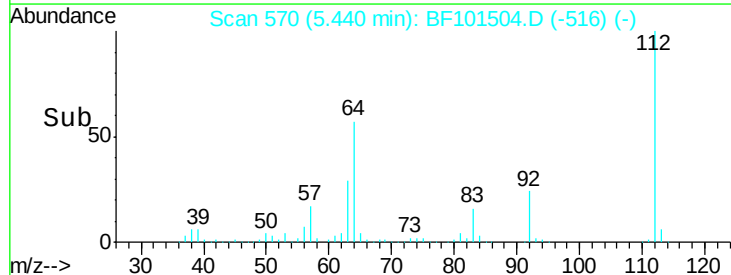
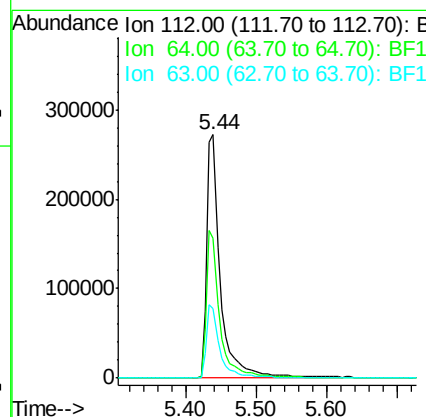
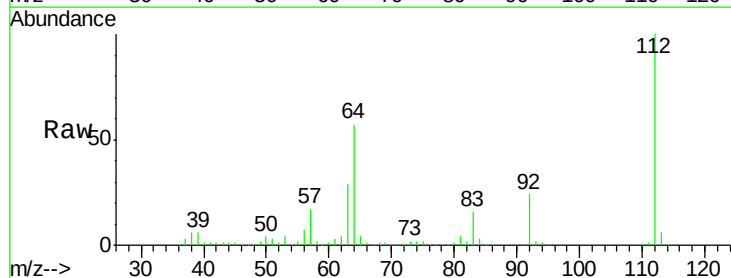
Instrument :
 BNA_F
 ClientSampleId :
 121217-TIDO-E-D-S

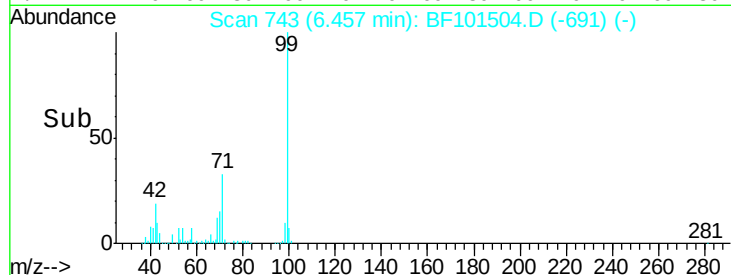
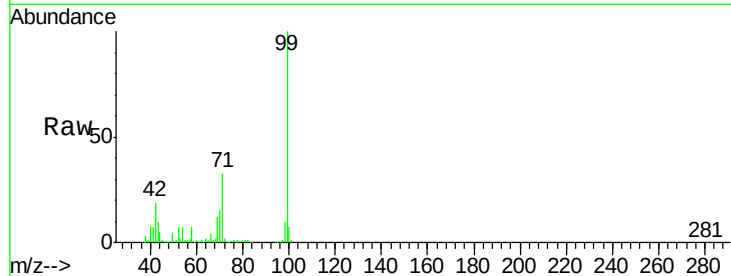
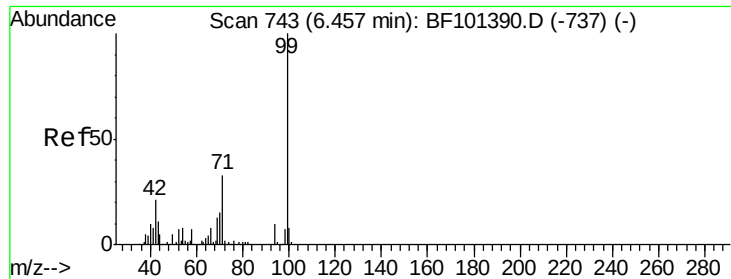
Tgt Ion:152 Resp: 94058
 Ion Ratio Lower Upper
 152 100
 150 156.8 124.6 186.8
 115 58.8 50.1 75.1



#5
 2-Fluorophenol
 Concen: 58.519 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.02 min
 Lab File: BF101504.D
 Acq: 19 Dec 2017 3:23

Tgt Ion:112 Resp: 369515
 Ion Ratio Lower Upper
 112 100
 64 57.3 47.9 71.9
 63 28.7 23.7 35.5





#7

Phenol-d6

Concen: 34.458 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-D-S

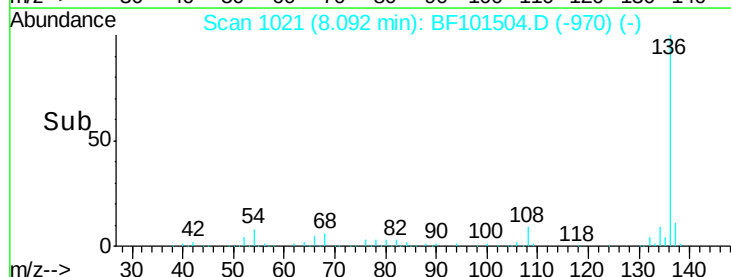
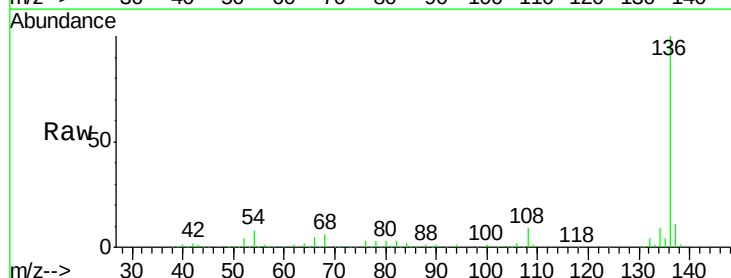
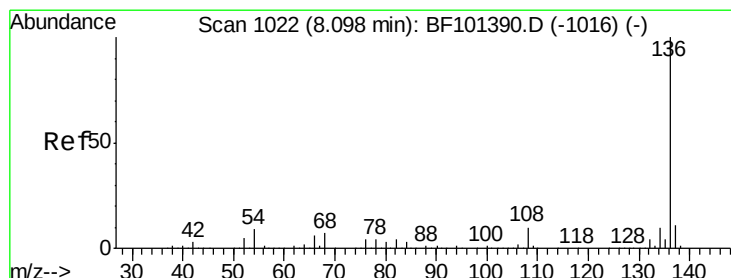
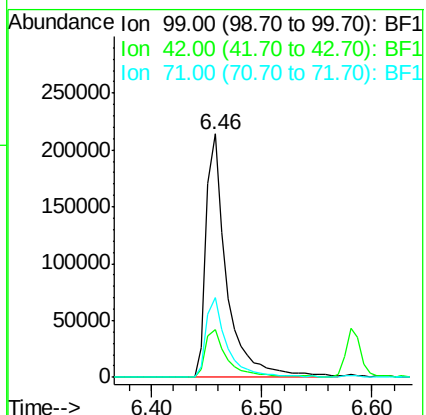
Tgt Ion: 99 Resp: 270788

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 32.9 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Tgt Ion: 136 Resp: 336452

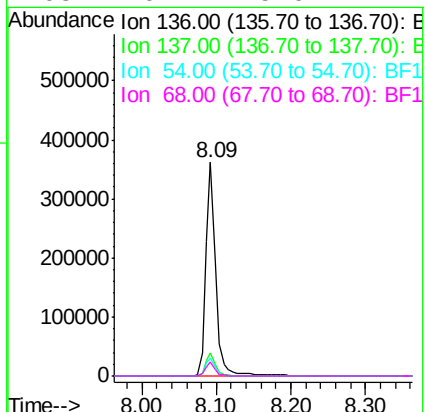
Ion Ratio Lower Upper

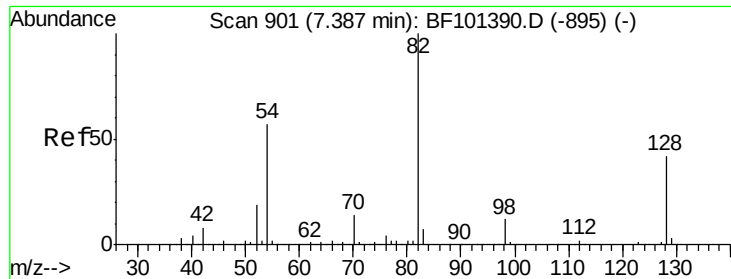
136 100

137 11.0 8.9 13.3

54 8.5 6.6 9.8

68 6.4 5.0 7.4

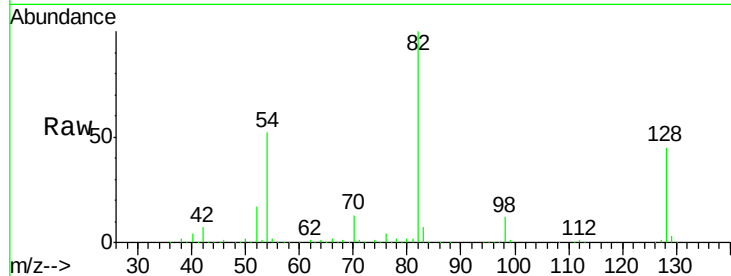




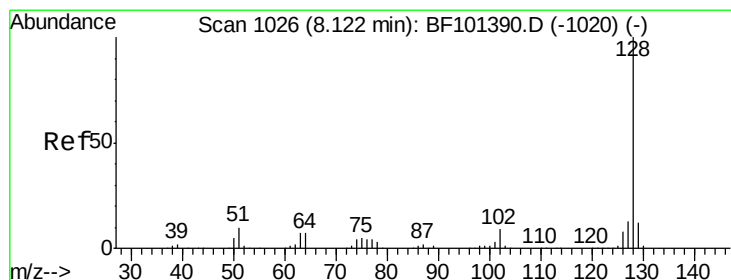
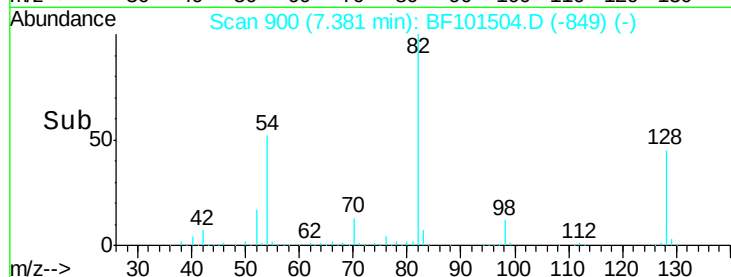
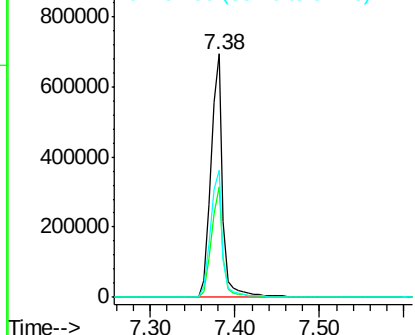
#23
 Nitrobenzene-d5
 Concen: 114.494 ng
 RT: 7.38 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: BF101504.D
 Acq: 19 Dec 2017 3:23

Instrument :
 BNA_F
 ClientSampleId :
 121217-TIDO-E-D-S

Tgt Ion: 82 Resp: 692019
 Ion Ratio Lower Upper
 82 100
 128 45.3 36.1 54.1
 54 52.1 41.4 62.2

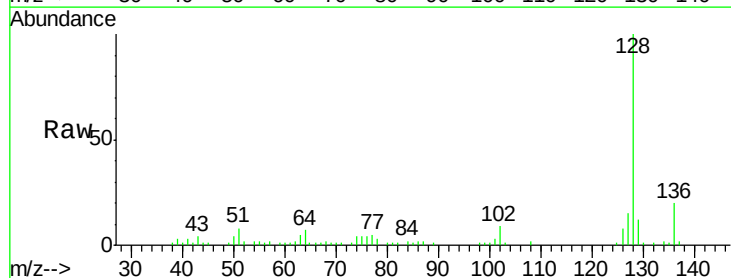


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

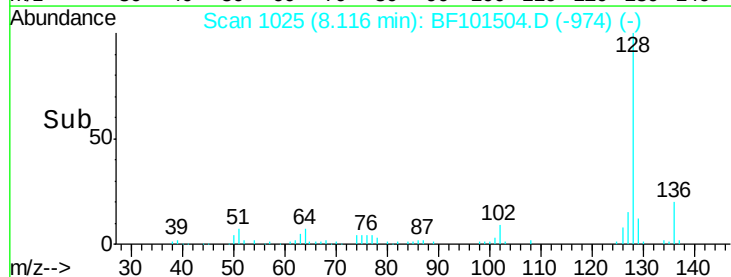
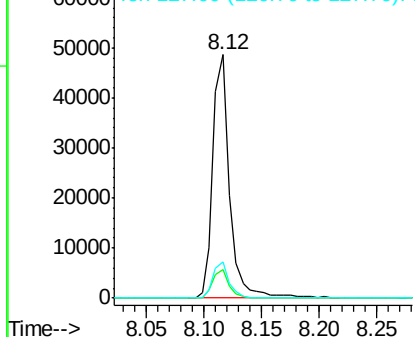


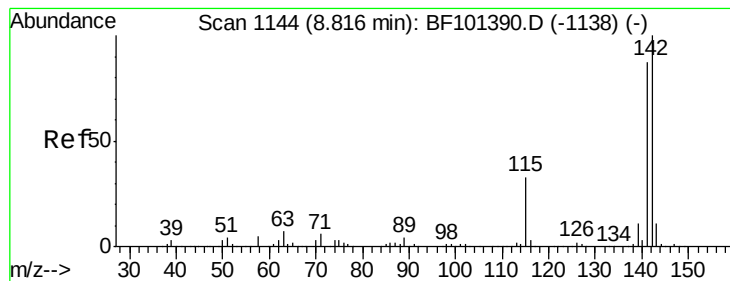
#31
 Naphthalene
 Concen: 2.908 ng
 RT: 8.12 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BF101504.D
 Acq: 19 Dec 2017 3:23

Tgt Ion: 128 Resp: 49258
 Ion Ratio Lower Upper
 128 100
 129 11.8 8.8 13.2
 127 14.9 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 2.809 ng

RT: 8.80 min Scan# 1142

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-D-S

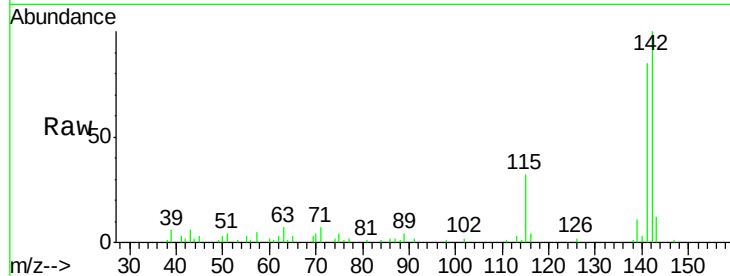
Tgt Ion:142 Resp: 30996

Ion Ratio Lower Upper

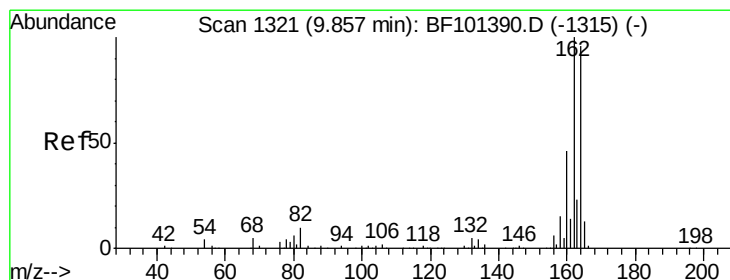
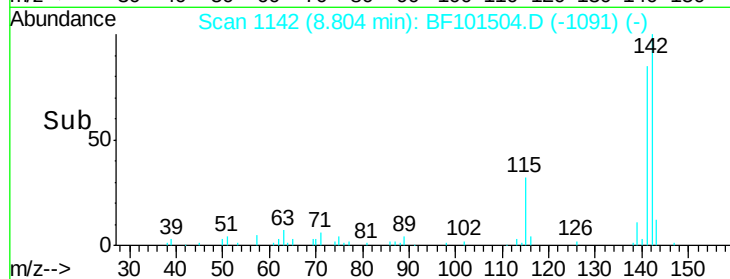
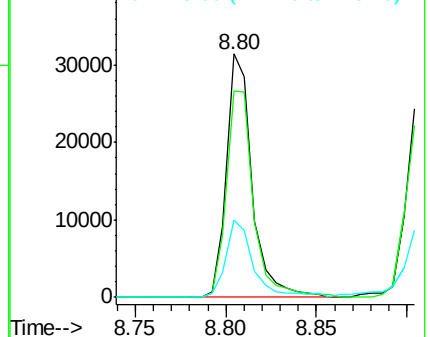
142 100

141 84.6 70.8 106.2

115 31.7 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

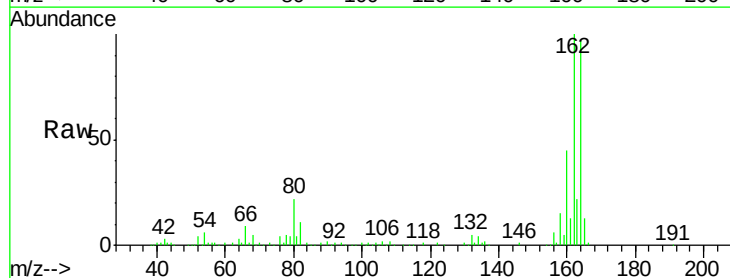
Tgt Ion:164 Resp: 121434

Ion Ratio Lower Upper

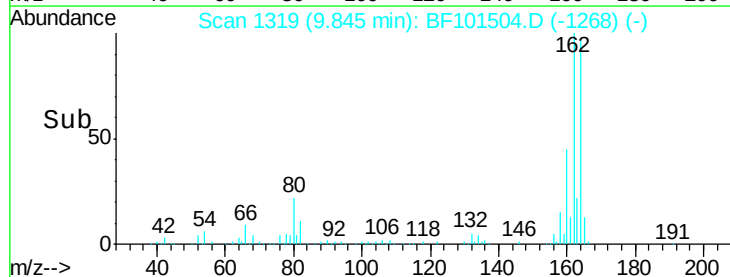
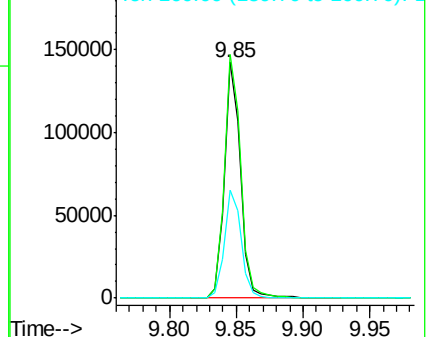
164 100

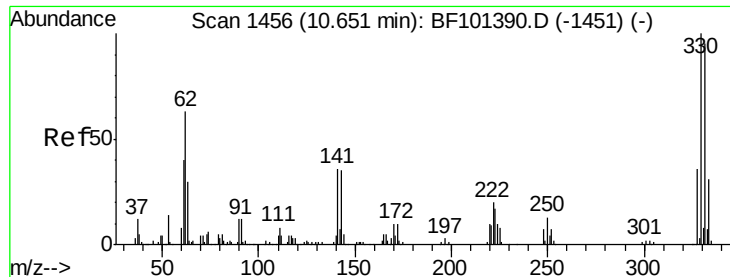
162 103.5 86.1 129.1

160 46.1 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

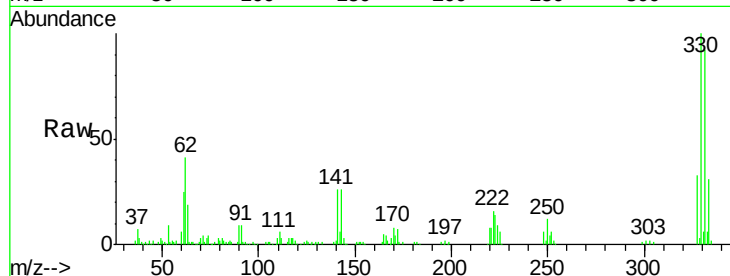




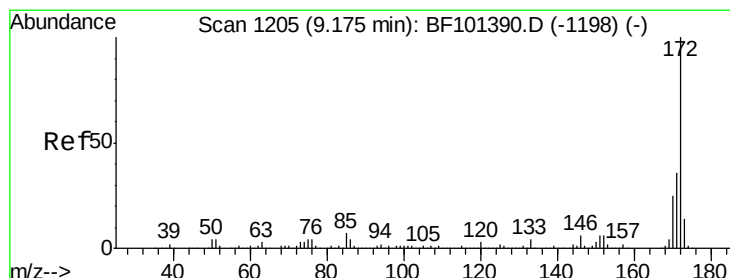
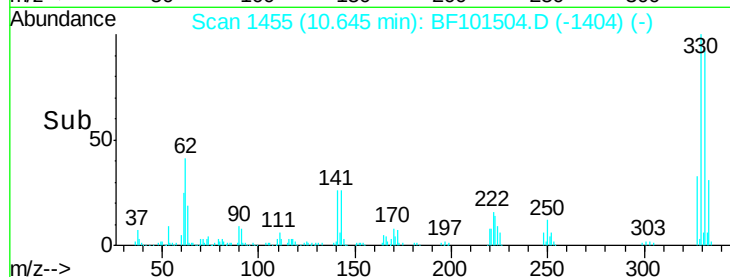
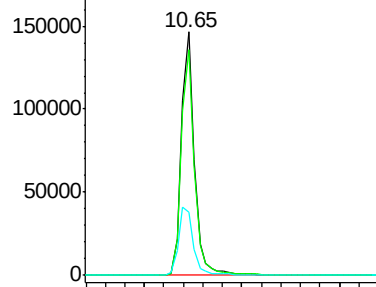
#41
 2,4,6-Tribromophenol
 Concen: 117.061 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF101504.D
 Acq: 19 Dec 2017 3:23

Instrument :
 BNA_F
 ClientSampleId :
 121217-TIDO-E-D-S

Tgt Ion: 330 Resp: 136975
 Ion Ratio Lower Upper
 330 100
 332 94.2 77.0 115.6
 141 31.4 29.9 44.9

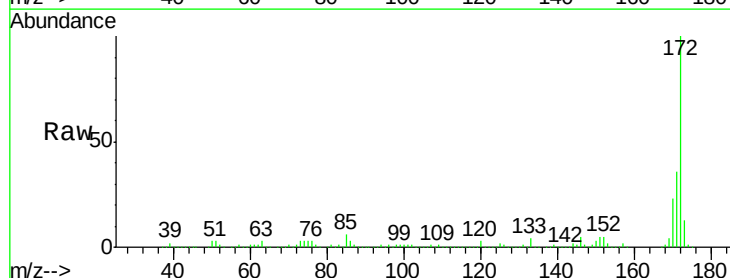


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

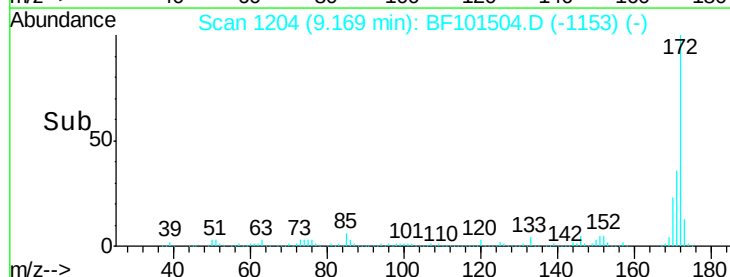
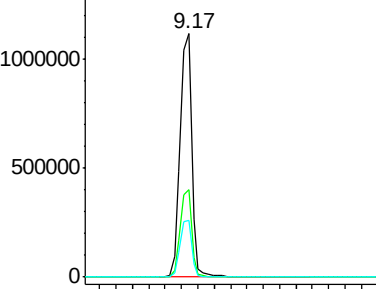


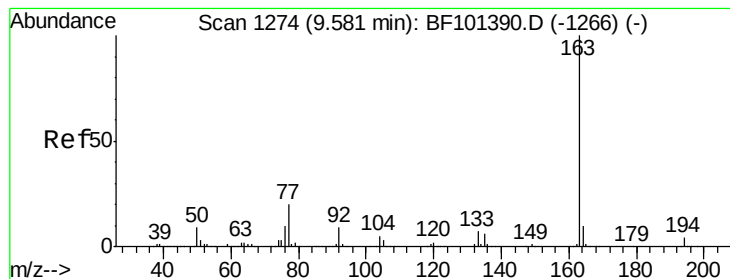
#44
 2-Fluorobiphenyl
 Concen: 140.814 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF101504.D
 Acq: 19 Dec 2017 3:23

Tgt Ion: 172 Resp: 1102321
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.4 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: 2.779 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-D-S

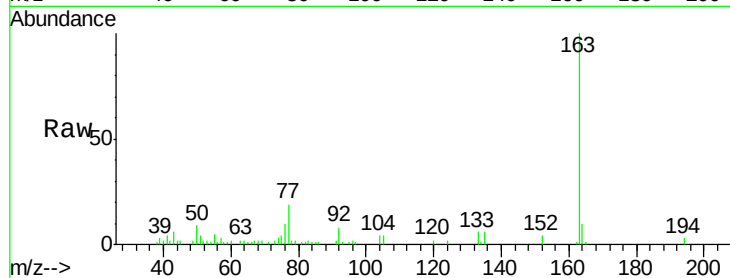
Tgt Ion:163 Resp: 27142

Ion Ratio Lower Upper

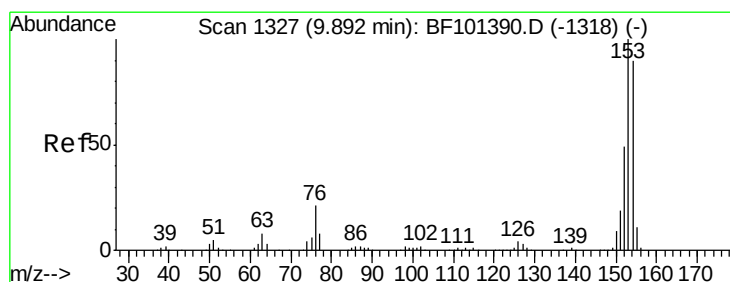
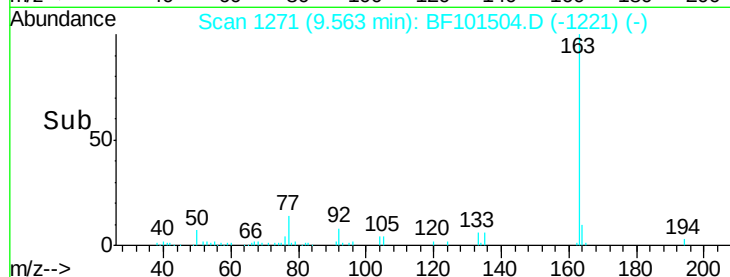
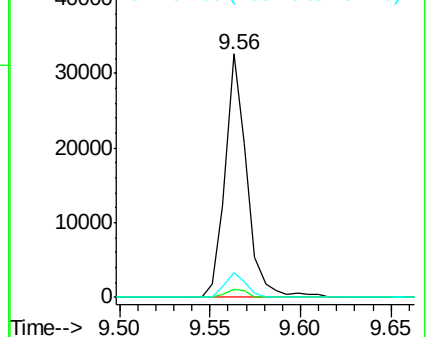
163 100

194 3.4 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



#51

Acenaphthene

Concen: 5.302 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

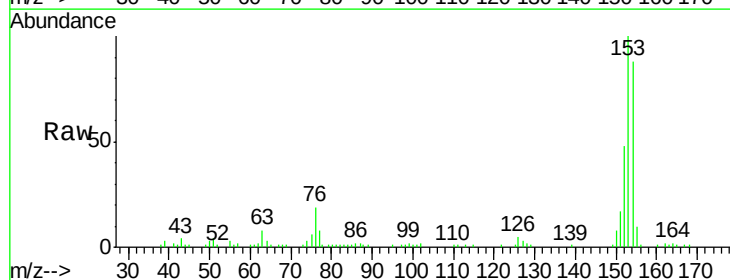
Tgt Ion:154 Resp: 41459

Ion Ratio Lower Upper

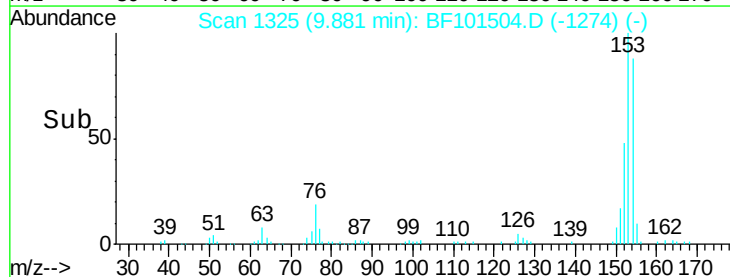
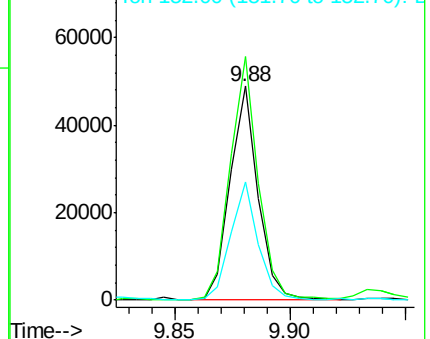
154 100

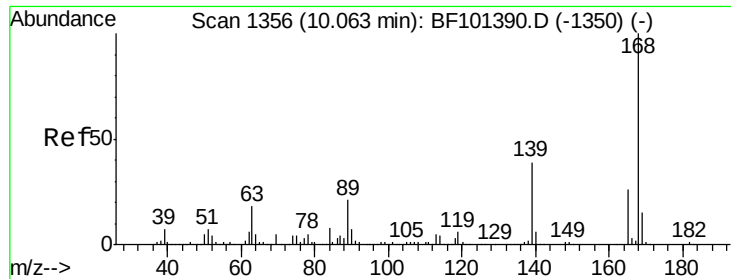
153 113.7 91.2 136.8

152 55.0 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 4.114 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.01 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

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ClientSampleId :

121217-TIDO-E-D-S

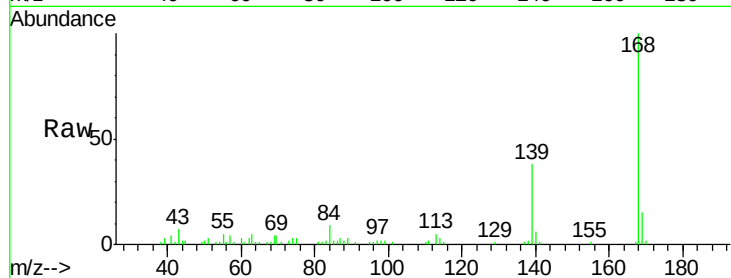
Tgt Ion:168 Resp: 40878

Ion Ratio Lower Upper

168 100

139 37.7 30.1 45.1

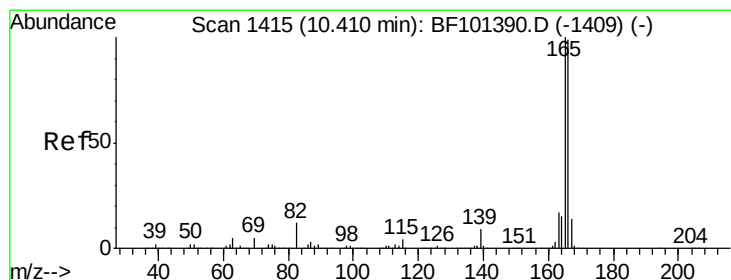
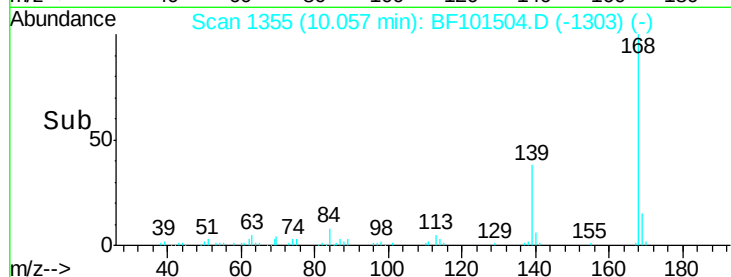
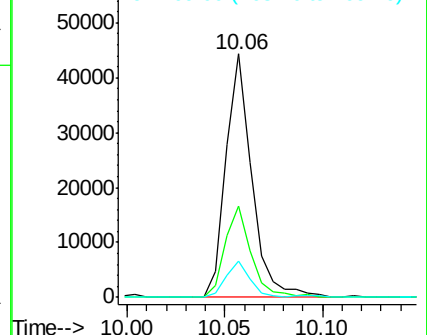
169 14.8 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 4.500 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

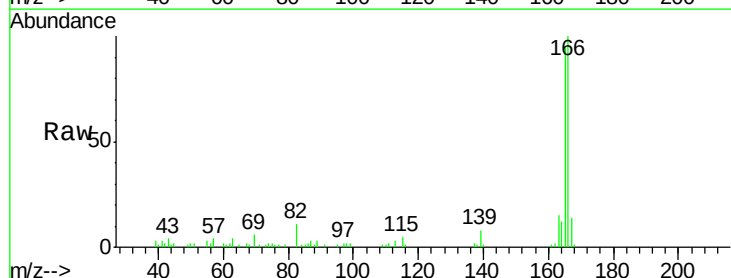
Tgt Ion:166 Resp: 37825

Ion Ratio Lower Upper

166 100

165 95.2 79.8 119.8

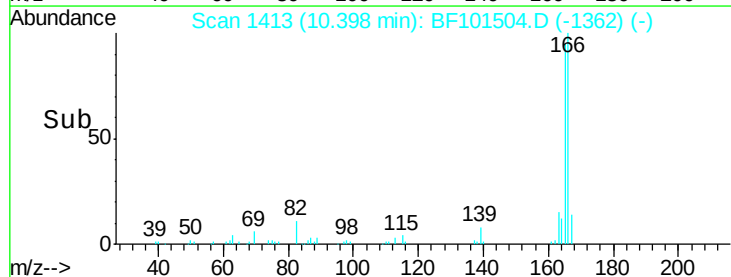
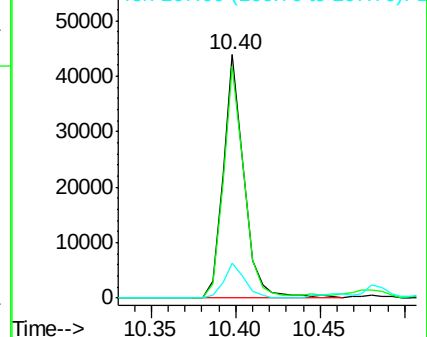
167 14.2 10.6 16.0

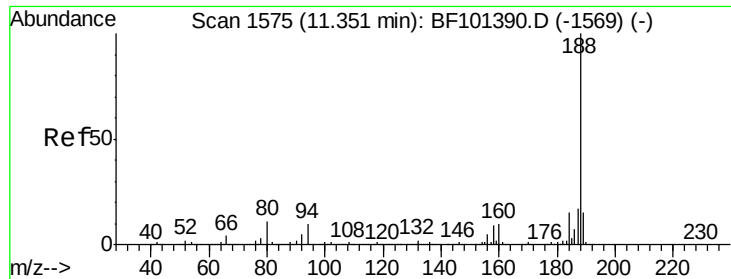


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

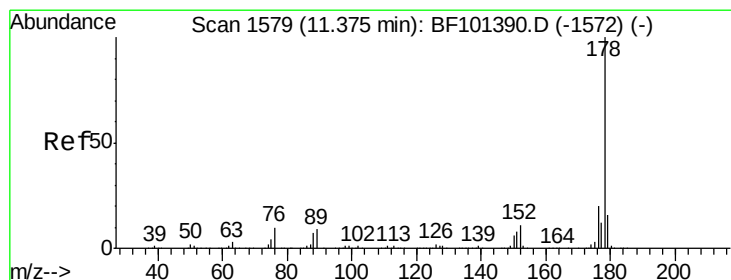
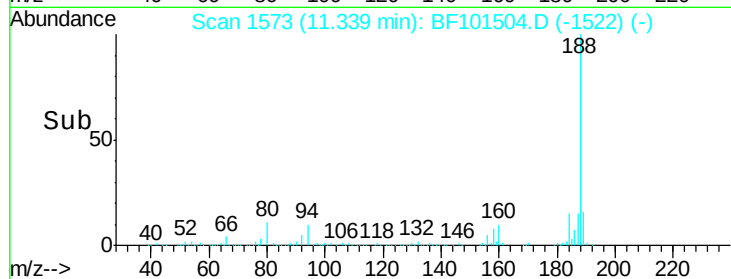
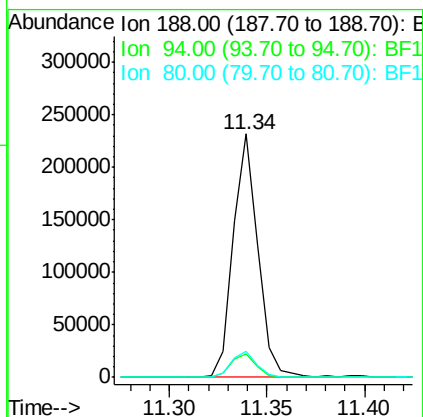
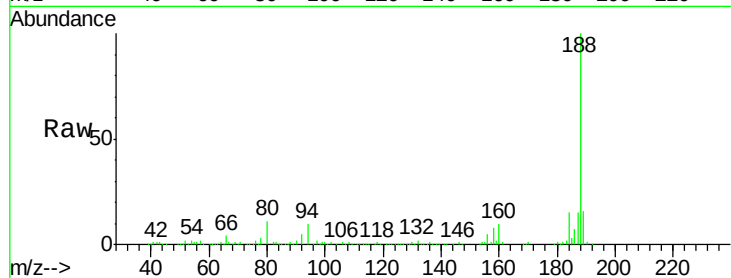




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101504.D
Acq: 19 Dec 2017 3:23

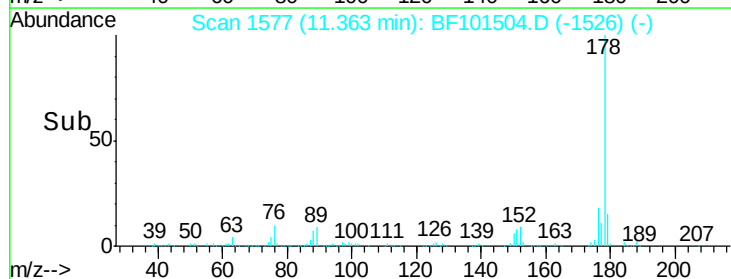
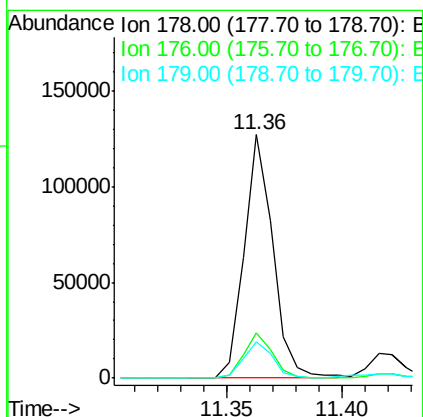
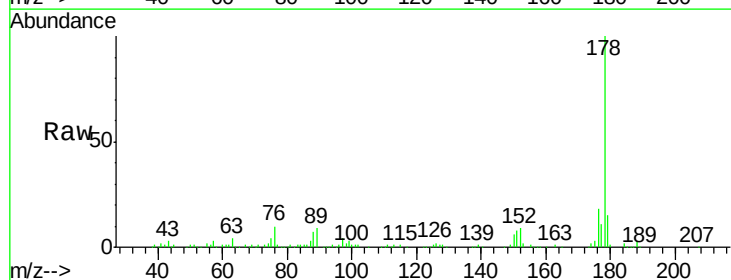
Instrument :
BNA_F
ClientSampleId :
121217-TIDO-E-D-S

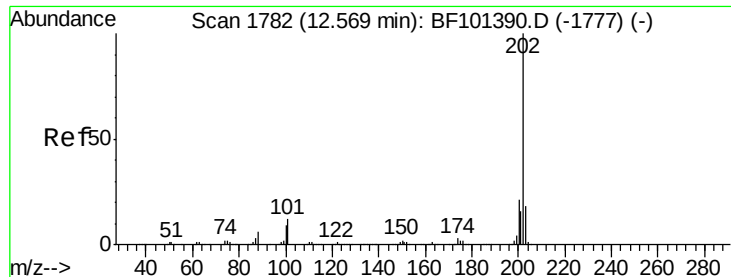
Tgt Ion:188 Resp: 203481
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.8 9.2 13.8



#70
Phenanthrene
Concen: 9.806 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF101504.D
Acq: 19 Dec 2017 3:23

Tgt Ion:178 Resp: 110969
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.1 13.0 19.6

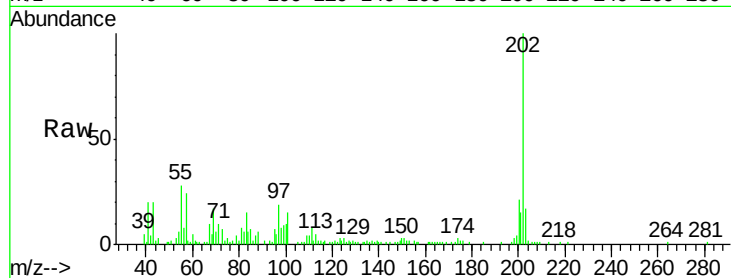




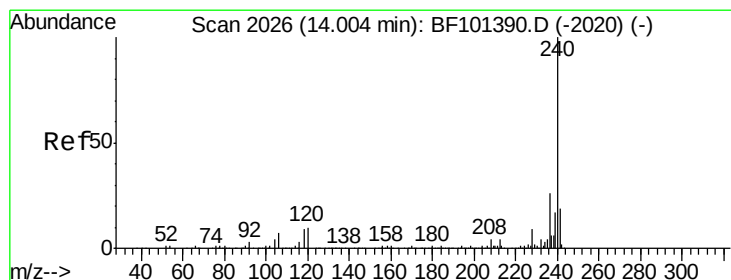
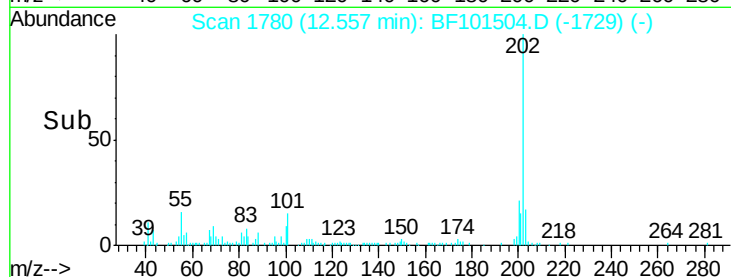
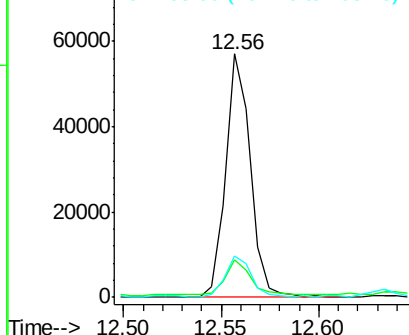
#74
Fluoranthene
Concen: 4.199 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.00 min
Lab File: BF101504.D
Acq: 19 Dec 2017 3:23

Instrument :
BNA_F
ClientSampleId :
121217-TIDO-E-D-S

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	34.1
203	17.0	0.0	38.1

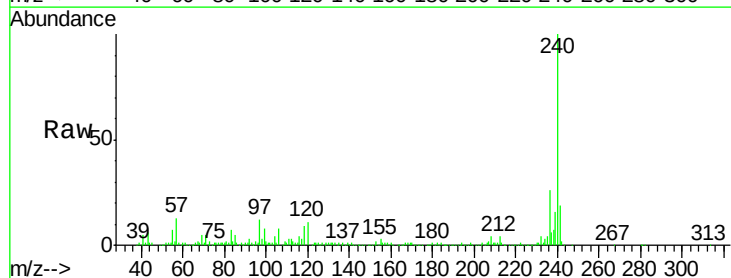


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

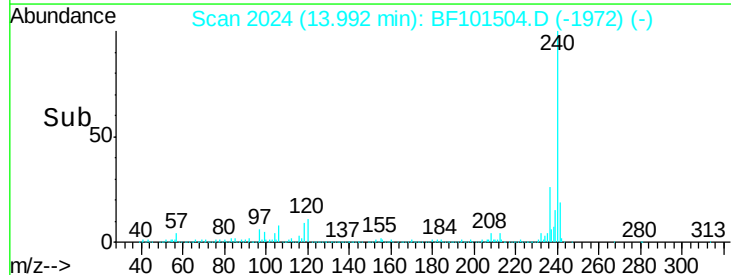
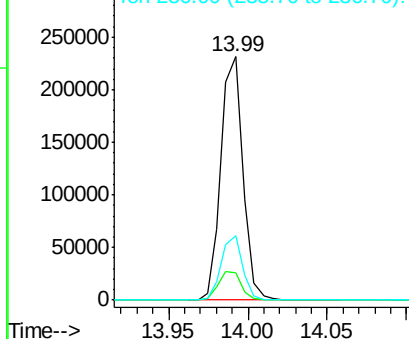


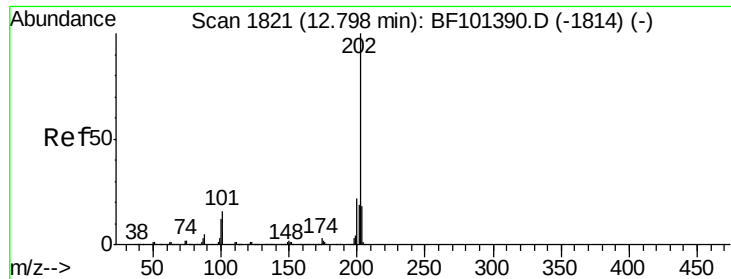
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF101504.D
Acq: 19 Dec 2017 3:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.5	14.3
236	26.3	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

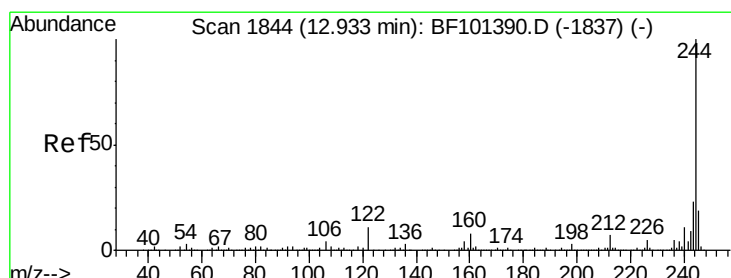
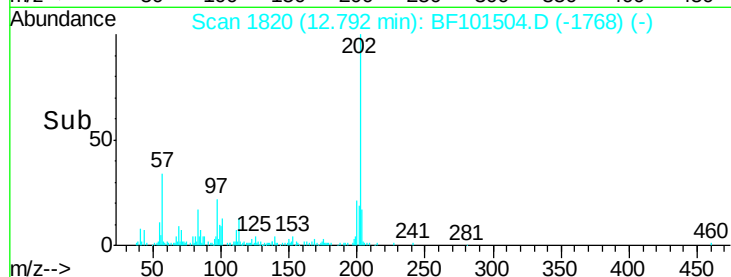
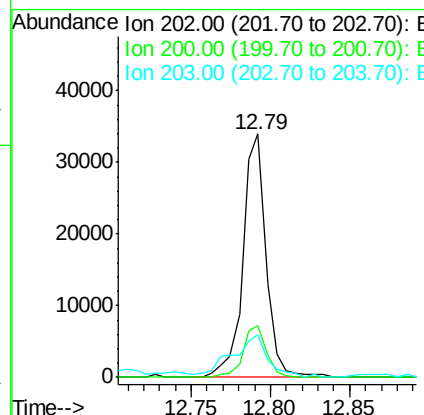
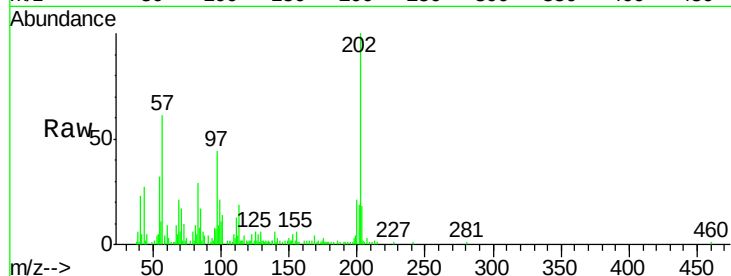




#77
 Pyrene
 Concen: 2.046 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: BF101504.D
 Acq: 19 Dec 2017 3:23

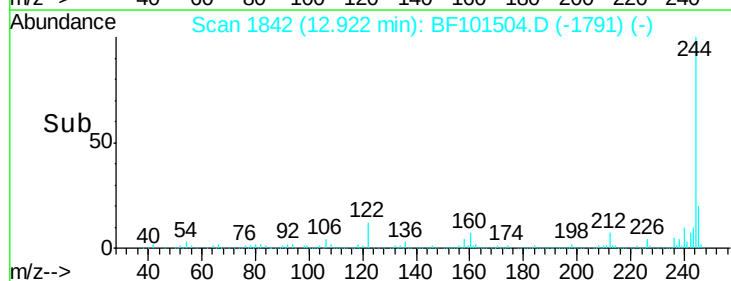
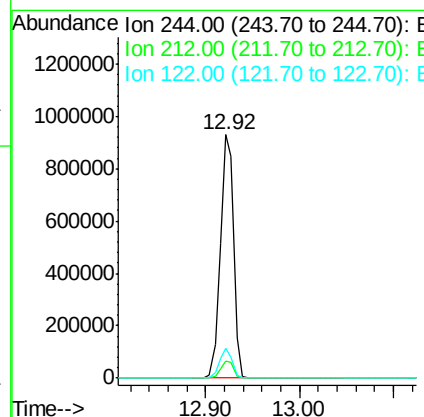
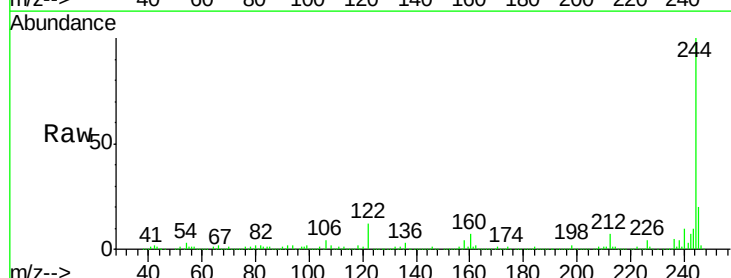
Instrument :
 BNA_F
 ClientSampleId :
 121217-TIDO-E-D-S

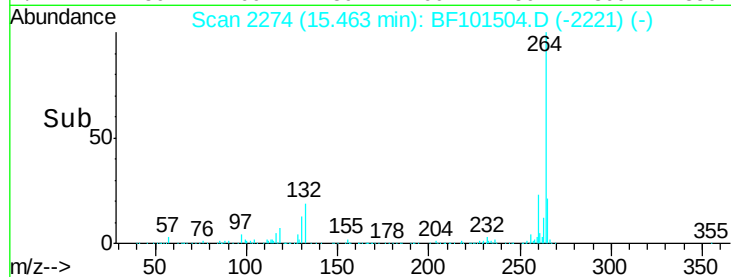
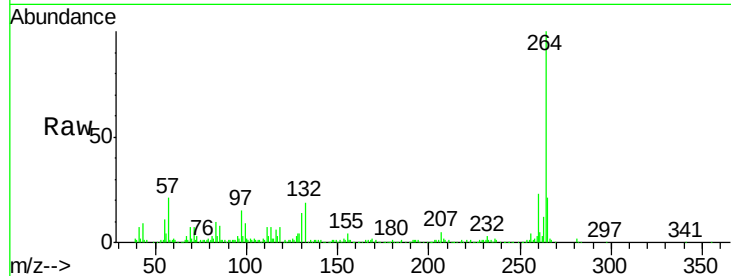
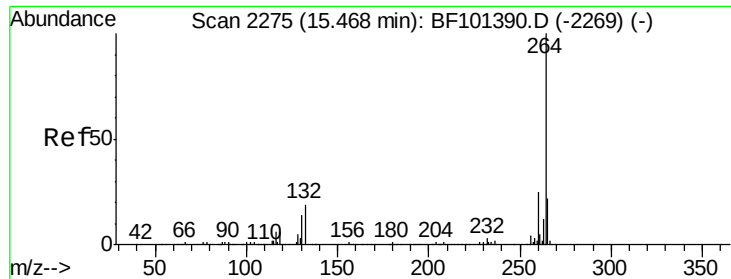
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.8	14.3	21.5



#78
 Terphenyl-d14
 Concen: 99.081 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF101504.D
 Acq: 19 Dec 2017 3:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.2	11.0	16.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF101504.D

Acq: 19 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

121217-TIDO-E-D-S

Tgt Ion: 264 Resp: 199411

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.5 17.5 26.3

