

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101419.D
 Acq On : 15 Dec 2017 2:57
 Operator : SJ/JU
 Sample : I6824-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-3

Quant Time: Dec 15 13:59:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	174709	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	696165	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	320531	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	588825	20.00	ng	0.00
75) Chrysene-d12	13.99	240	418014	20.00	ng	-0.01
86) Perylene-d12	15.46	264	338171	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	678073	57.81	ng	0.00
7) Phenol-d6	6.45	99	550395	37.71	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1087098	86.93	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	338428	109.57	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1723291	83.40	ng	0.00
78) Terphenyl-d14	12.93	244	1640689	94.62	ng	0.00

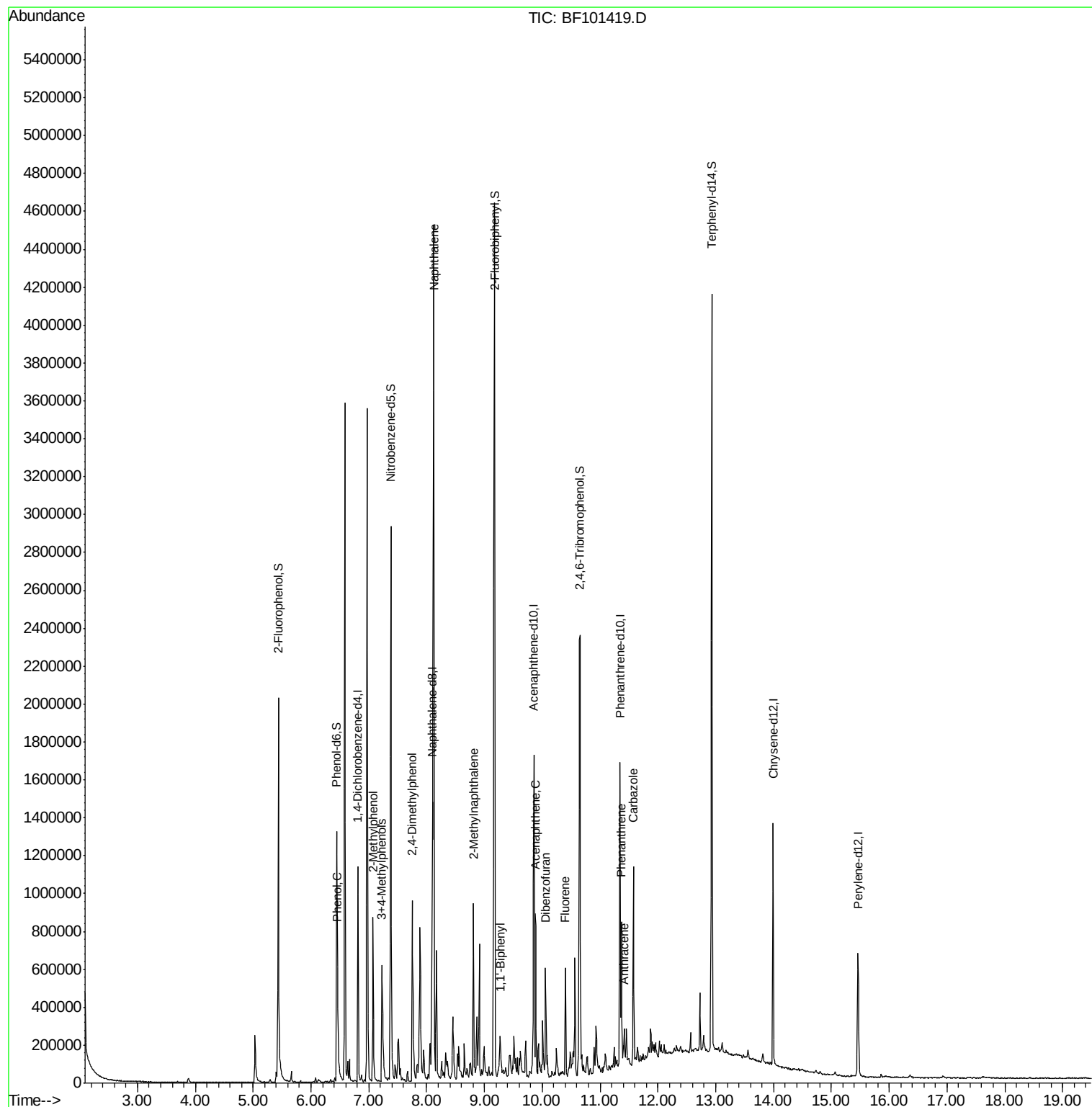
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	61949	3.724	ng	94
17) 2-Methylphenol	7.07	107	80366	7.081	ng	99
20) 3+4-Methylphenols	7.23	107	226190	18.808	ng	93
27) 2,4-Dimethylphenol	7.75	122	234068	23.170	ng	98
31) Naphthalene	8.12	128	2268400	64.724	ng	99
37) 2-Methylnaphthalene	8.81	142	243691	10.672	ng	99
45) 1,1'-Biphenyl	9.27	154	59508	2.093	ng	97
51) Acenaphthene	9.88	154	194998	9.448	ng	100
54) Dibenzofuran	10.06	168	202083	7.704	ng	98
57) Fluorene	10.40	166	166810	7.518	ng	97
70) Phenanthrene	11.37	178	280616	8.570	ng	99
71) Anthracene	11.42	178	73661	2.202	ng	97
72) Carbazole	11.58	167	401191	12.811	ng	98

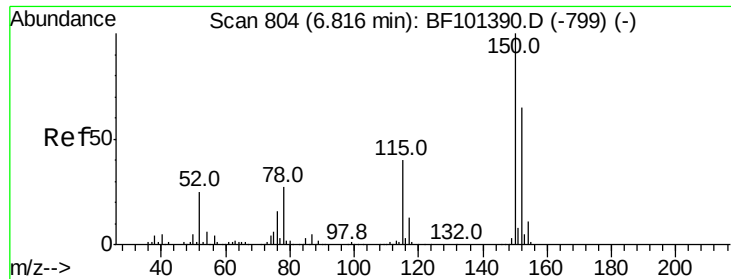
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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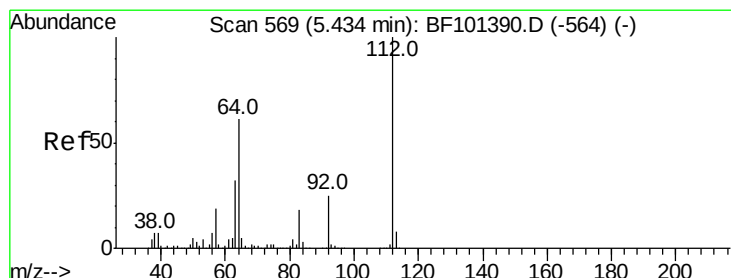
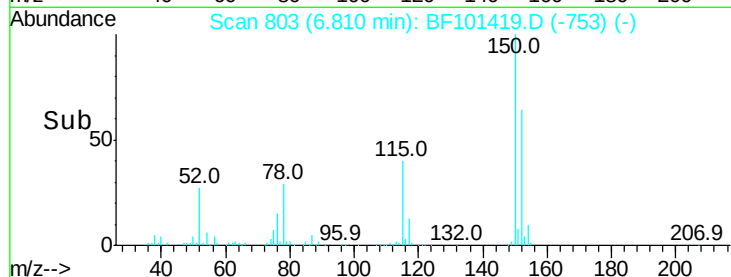
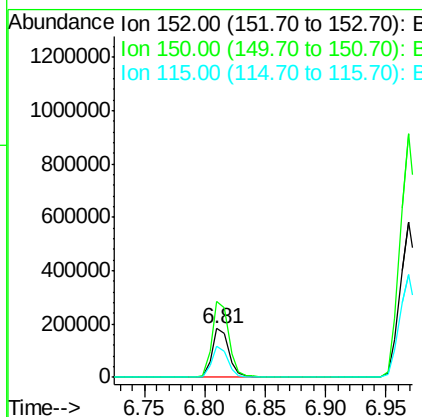
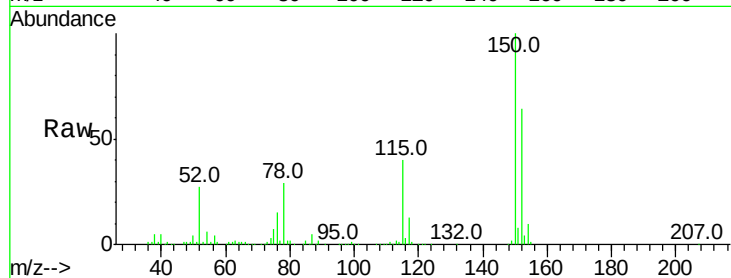


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF101419.D
Acq: 15 Dec 2017 2:57

Instrument :
BNA_F
ClientSampleId :
TW-3

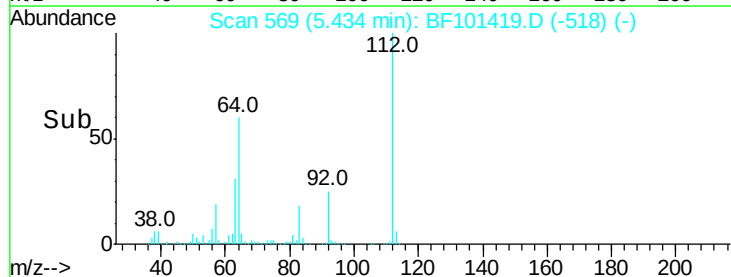
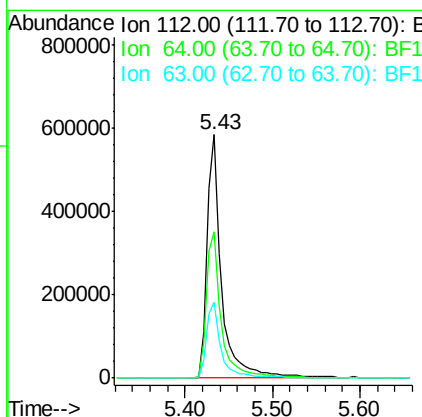
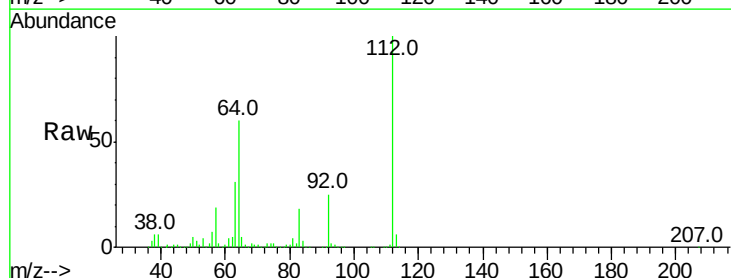
Tot Ion:152 Resp: 174709
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 62.9 50.1 75.1

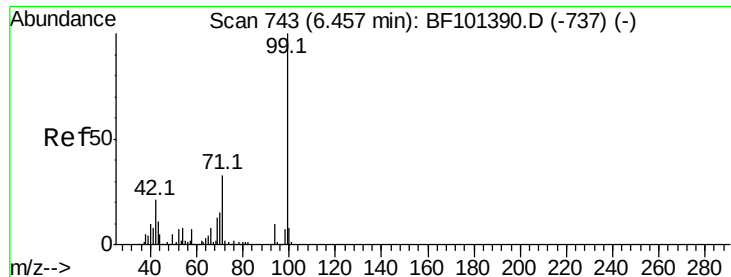


#5

2-Fluorophenol
Concen: 57.813 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF101419.D
Acq: 15 Dec 2017 2:57

Tgt Ion:112 Resp: 678073
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 31.3 23.7 35.5





#7

Phenol-d6

Concen: 37.706 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA_F

ClientSampleId :

TW-3

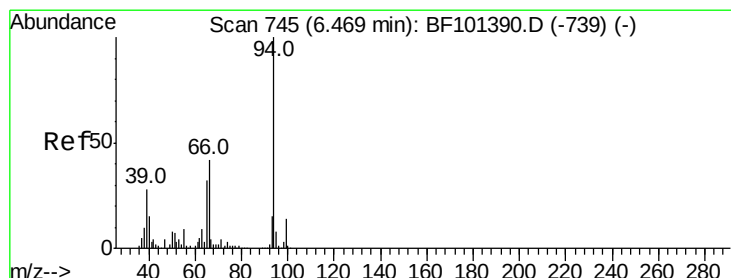
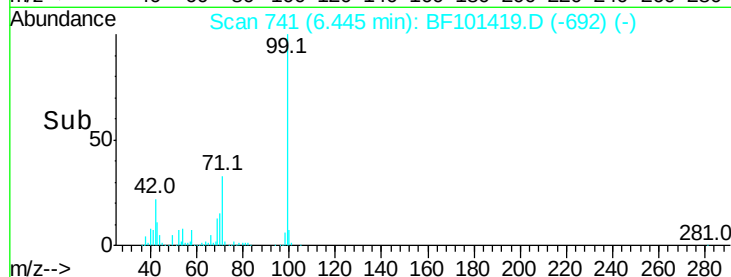
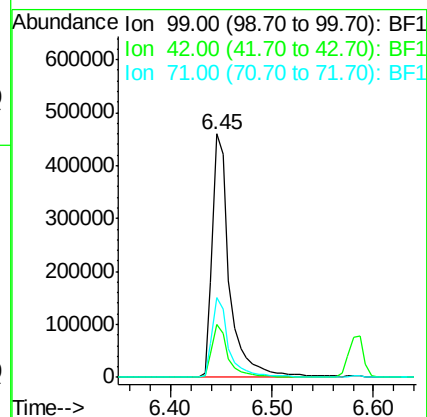
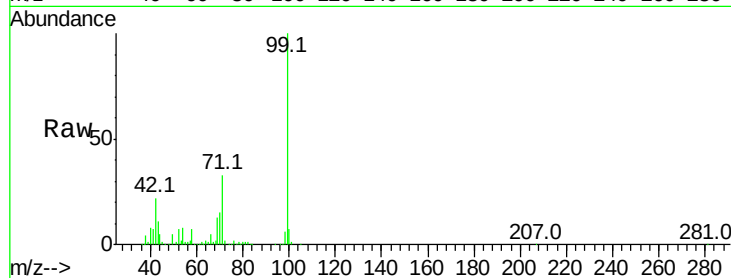
Tot Ion: 99 Resp: 550395

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7#

71 32.7 25.4 38.0



#10

Phenol

Concen: 3.724 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

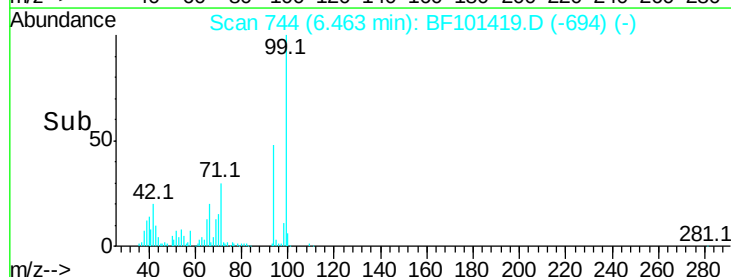
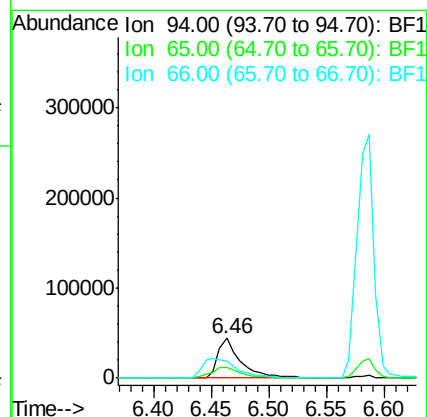
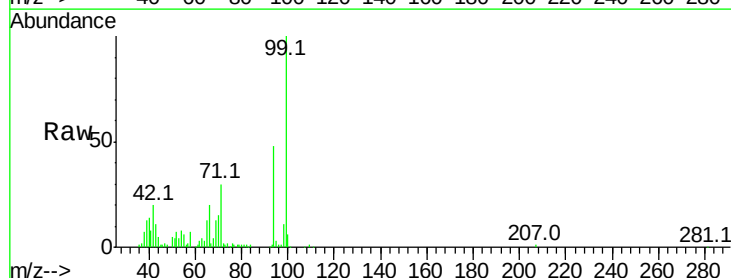
Tgt Ion: 94 Resp: 61949

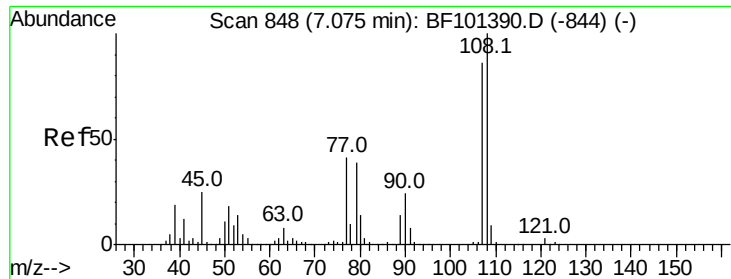
Ion Ratio Lower Upper

94 100

65 27.7 7.9 47.9

66 42.0 16.2 56.2

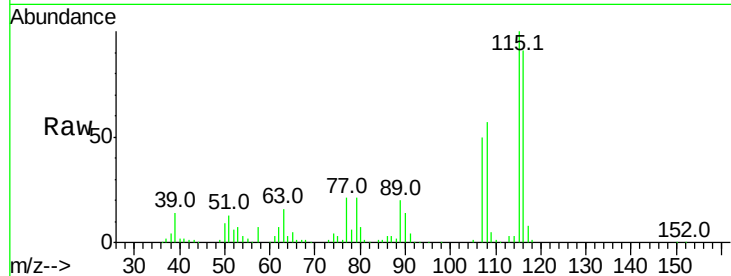




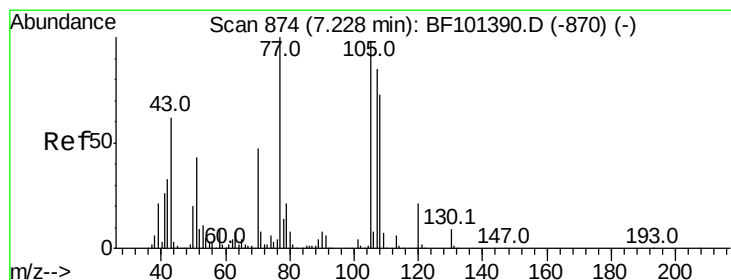
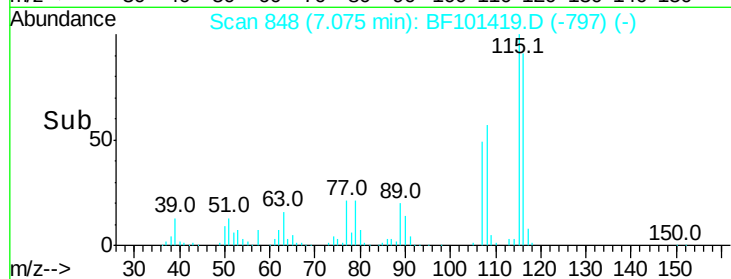
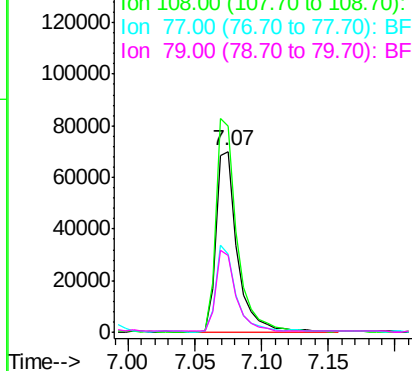
#17
2-Methylphenol
Concen: 7.081 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.00 min
Lab File: BF101419.D
Acq: 15 Dec 2017 2:57

Instrument :
BNA_F
ClientSampleId :
TW-3

Tot Ion:107 Resp: 80366
Ion Ratio Lower Upper
107 100
108 113.9 91.7 137.5
77 42.9 33.8 50.8
79 42.8 33.8 50.8

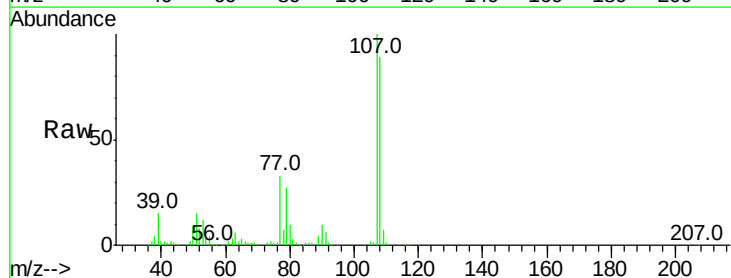


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

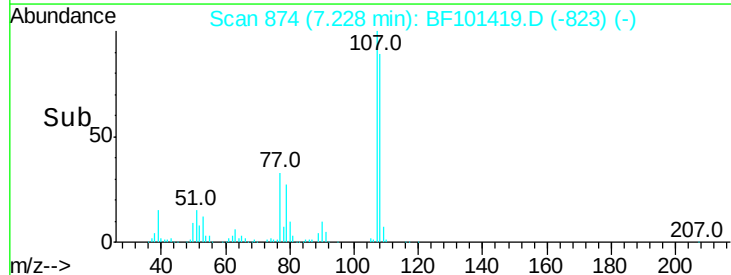
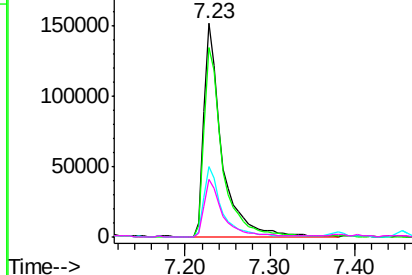


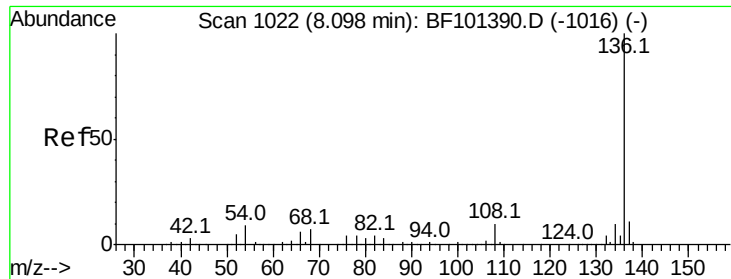
#20
3+4-Methylphenols
Concen: 18.808 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.00 min
Lab File: BF101419.D
Acq: 15 Dec 2017 2:57

Tgt Ion:107 Resp: 226190
Ion Ratio Lower Upper
107 100
108 88.8 68.2 108.2
77 32.7 26.7 66.7
79 27.2 6.3 46.3



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

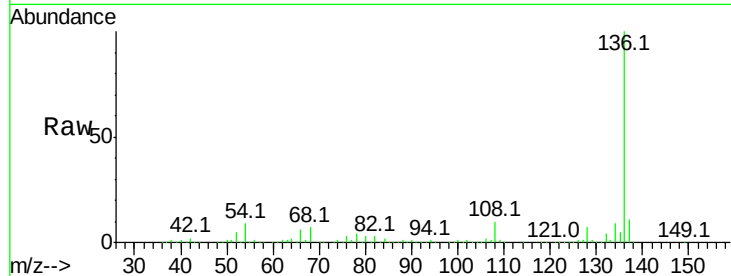




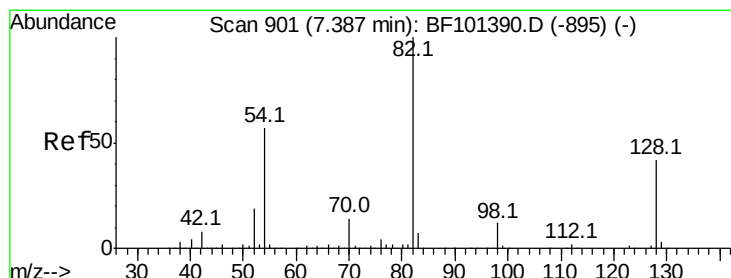
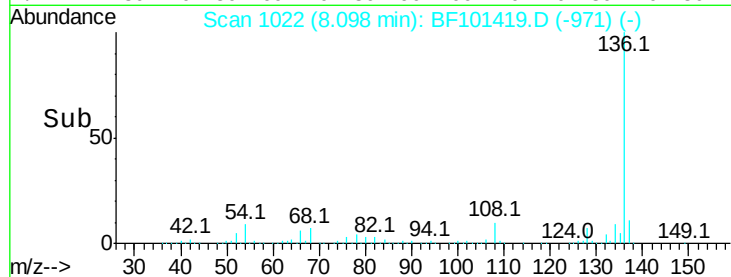
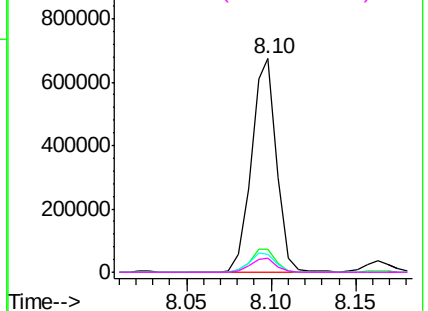
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF101419.D
Acq: 15 Dec 2017 2:57

Instrument :
BNA_F
ClientSampleId :
TW-3

Tot Ion:136	Resp: 696165
Ion Ratio	Lower Upper
136 100	
137 11.0	8.9 13.3
54 8.7	6.6 9.8
68 6.6	5.0 7.4

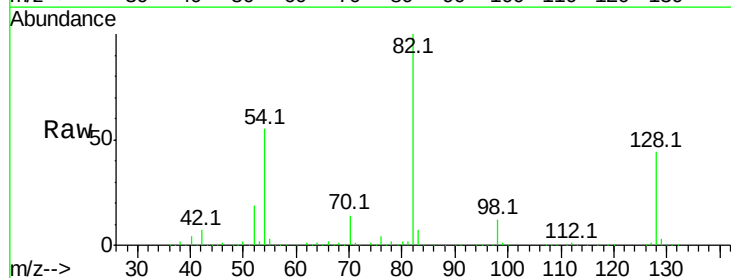


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

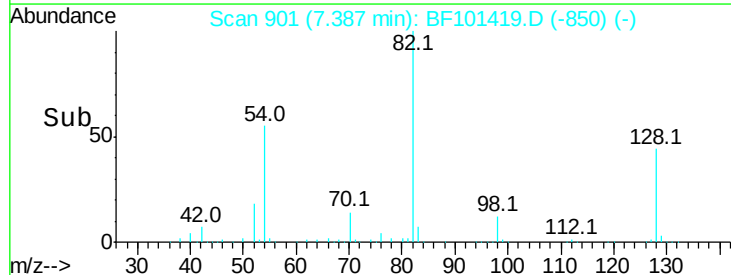
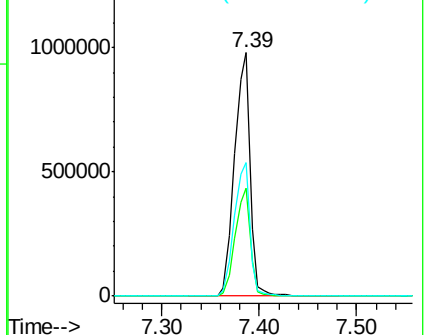


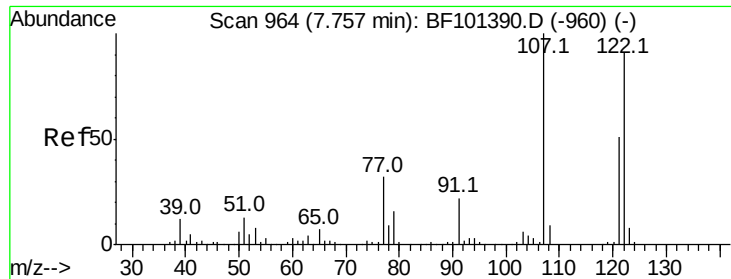
#23
Nitrobenzene-d5
Concen: 86.925 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF101419.D
Acq: 15 Dec 2017 2:57

Tgt	Ion: 82	Resp: 1087098	
Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.1	54.1
54	54.9	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

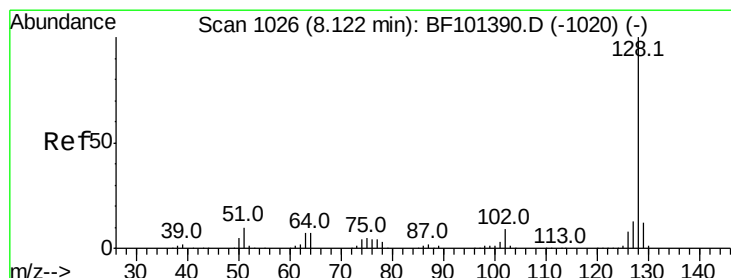
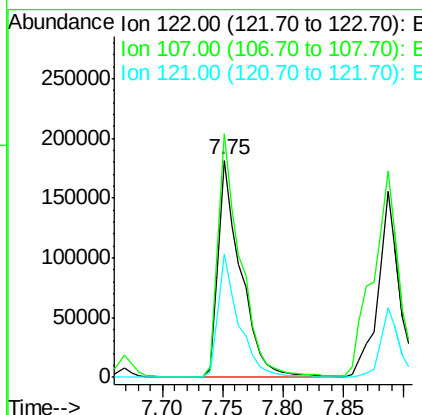
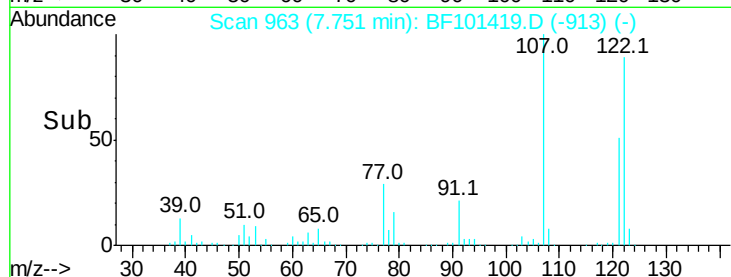
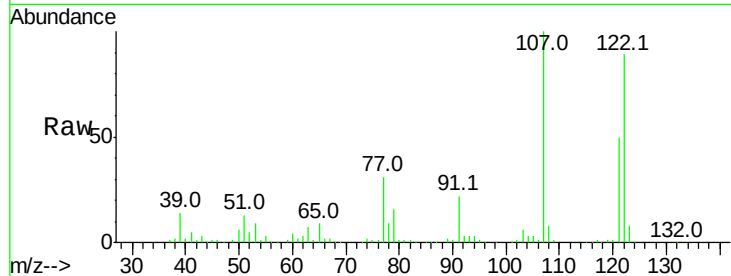




#27
 2,4-Dimethylphenol
 Concen: 23.170 ng
 RT: 7.75 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: BF101419.D
 Acq: 15 Dec 2017 2:57

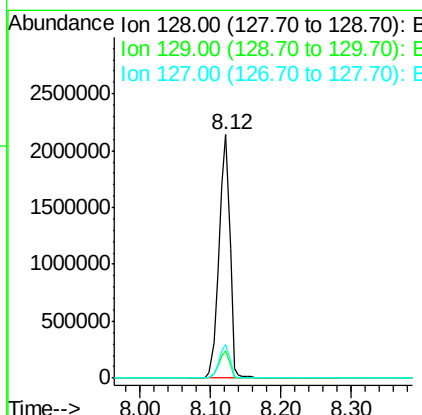
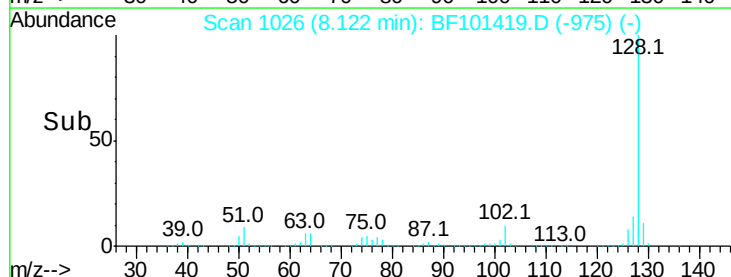
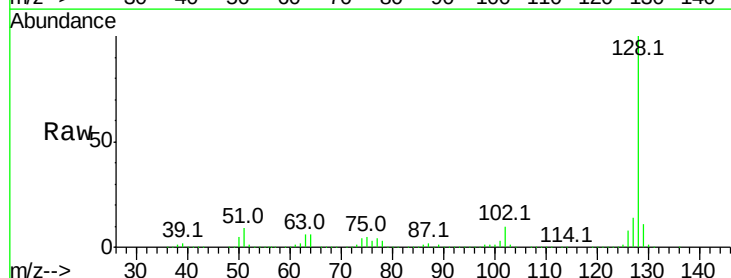
Instrument :
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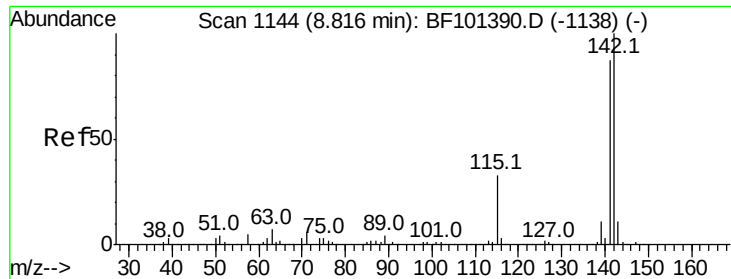
Tot Ion:122 Resp: 234068
 Ion Ratio Lower Upper
 122 100
 107 112.2 91.2 136.8
 121 56.6 47.2 70.8



#31
 Naphthalene
 Concen: 64.724 ng
 RT: 8.12 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BF101419.D
 Acq: 15 Dec 2017 2:57

Tgt Ion:128 Resp: 2268400
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.8 13.2
 127 13.9 10.9 16.3

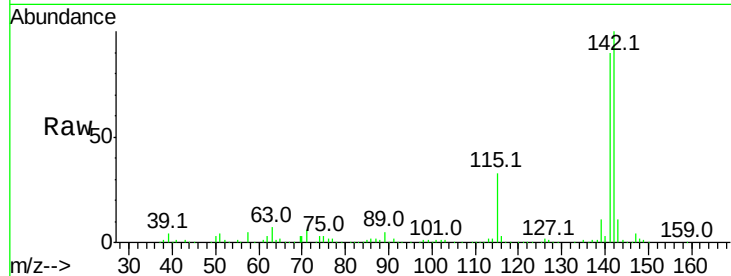




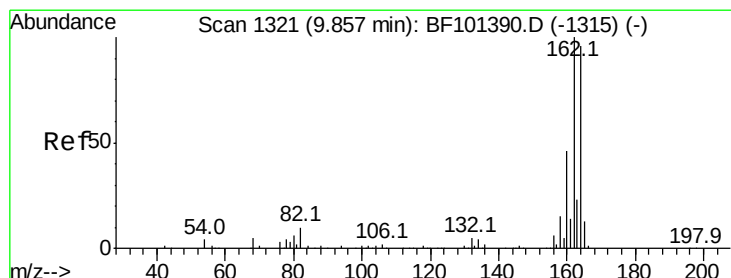
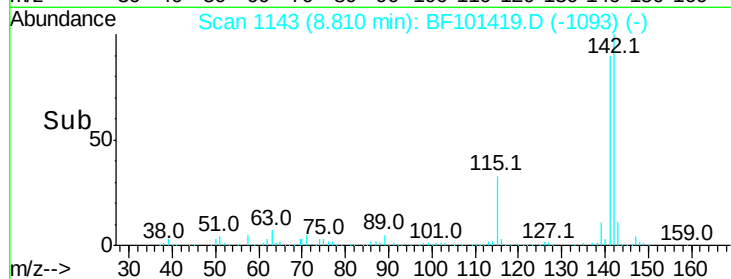
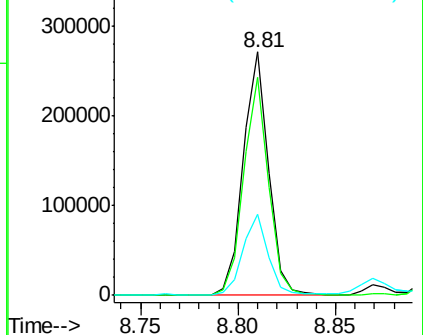
#37
 2-Methylnaphthalene
 Concen: 10.672 ng
 RT: 8.81 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF101419.D
 Acq: 15 Dec 2017 2:57

Instrument :
 BNA_F
 ClientSampleId :
 TW-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.8	106.2
115	33.4	26.1	39.1

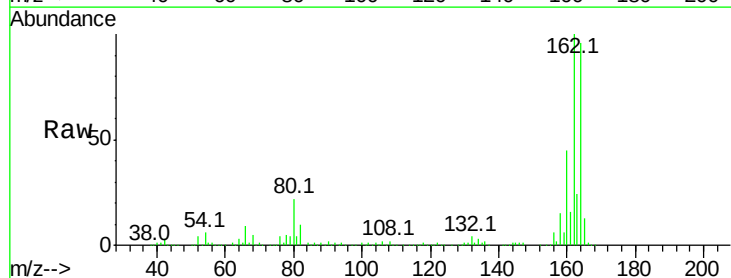


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

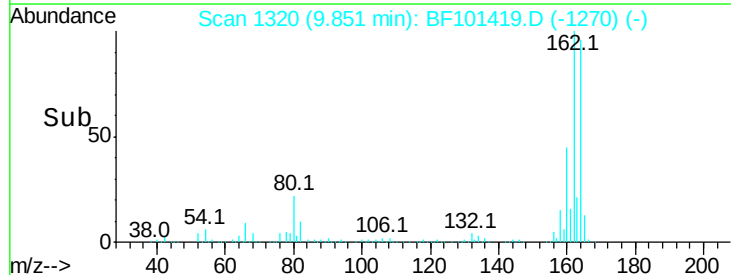
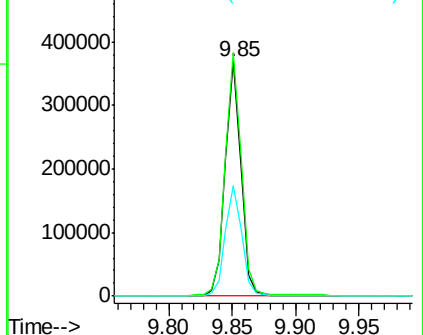


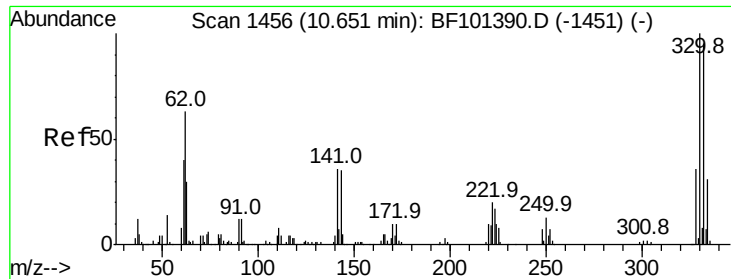
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF101419.D
 Acq: 15 Dec 2017 2:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	47.0	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

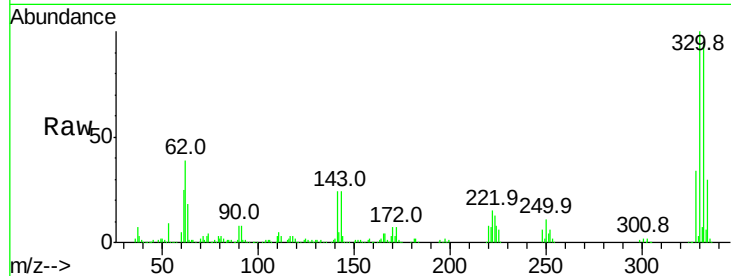




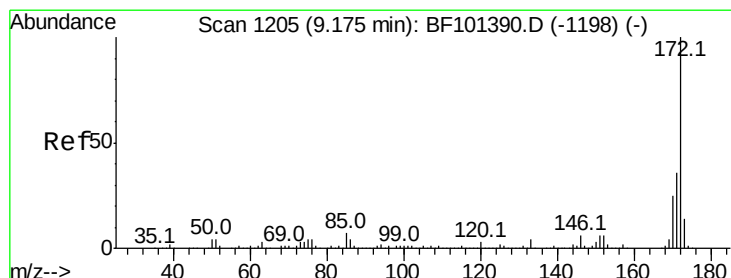
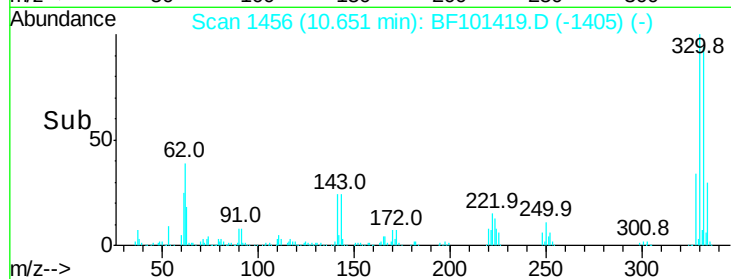
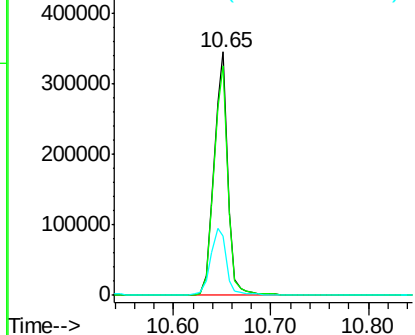
#41
 2,4,6-Tribromophenol
 Concen: 109.574 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: BF101419.D
 Acq: 15 Dec 2017 2:57

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:330 Resp: 338428
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 32.5 29.9 44.9

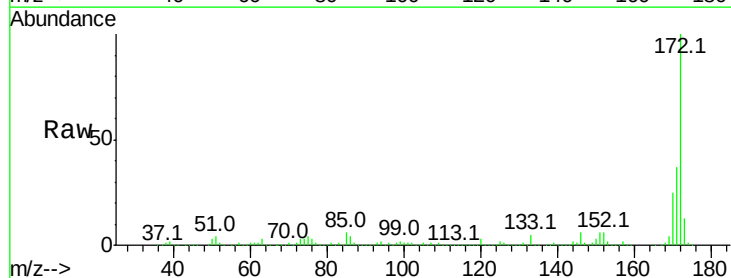


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

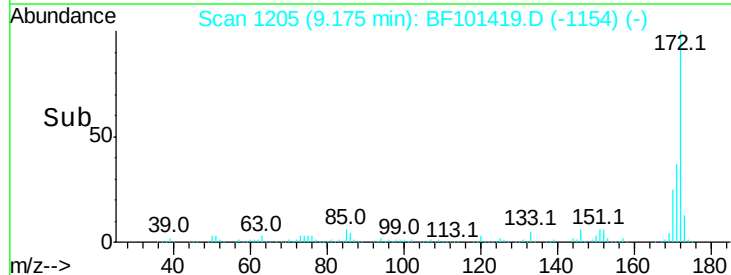
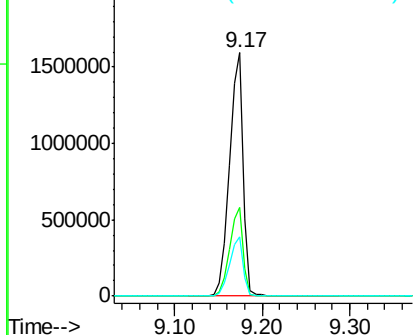


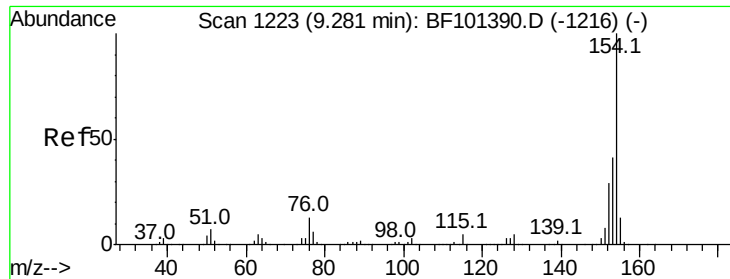
#44
 2-Fluorobiphenyl
 Concen: 83.400 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF101419.D
 Acq: 15 Dec 2017 2:57

Tgt Ion:172 Resp: 1723291
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.5 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





#45

1,1'-Biphenyl

Concen: 2.093 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA_F

ClientSampleId :

TW-3

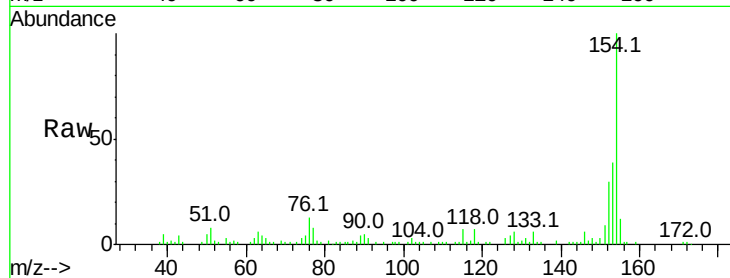
Tot Ion:154 Resp: 59508

Ion Ratio Lower Upper

154 100

153 39.4 21.3 61.3

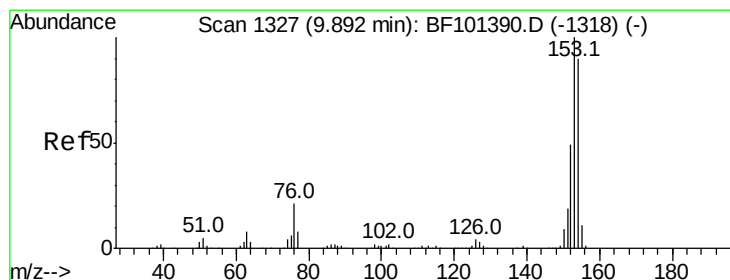
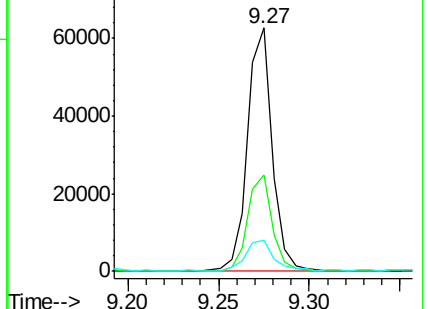
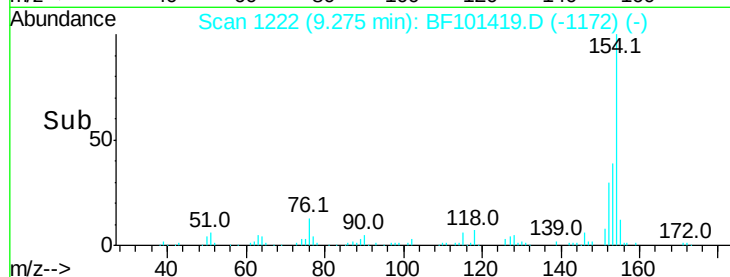
76 12.6 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#51

Acenaphthene

Concen: 9.448 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

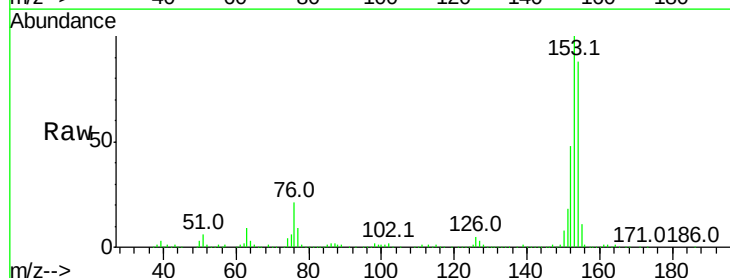
Tgt Ion:154 Resp: 194998

Ion Ratio Lower Upper

154 100

153 114.1 91.2 136.8

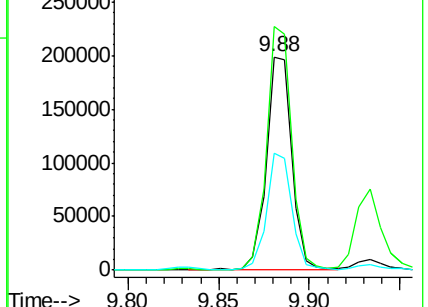
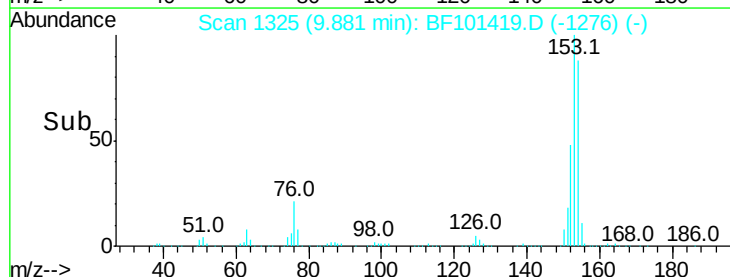
152 54.6 43.8 65.8

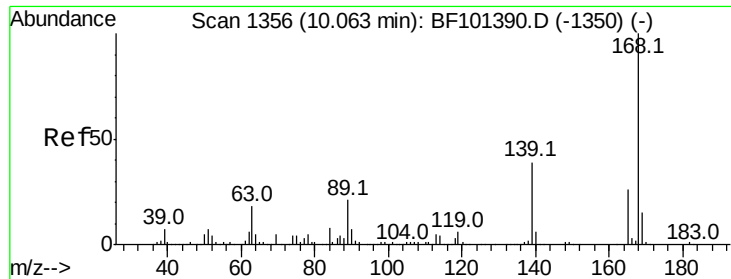


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 7.704 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA_F

ClientSampleId :

TW-3

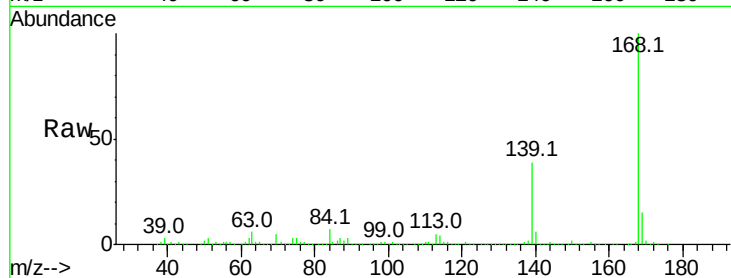
Tot Ion:168 Resp: 202083

Ion Ratio Lower Upper

168 100

139 38.7 30.1 45.1

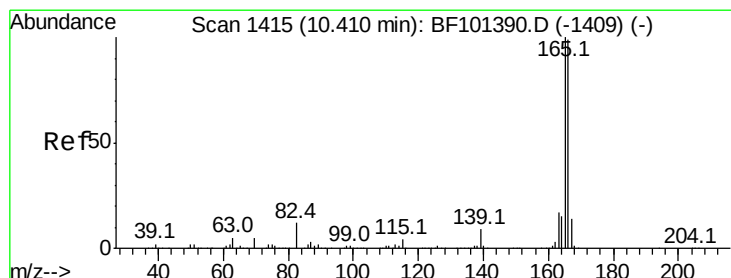
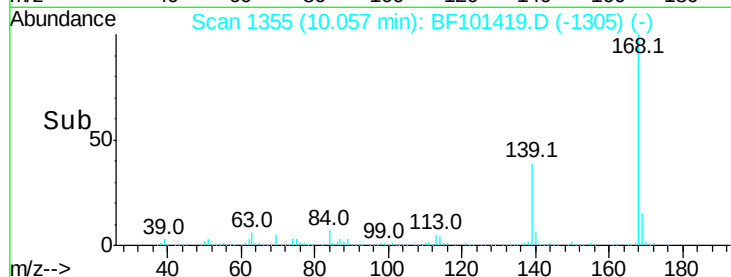
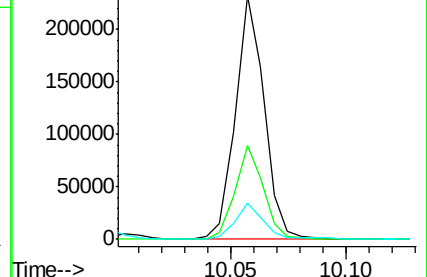
169 14.8 10.9 16.3



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: 7.518 ng

RT: 10.40 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

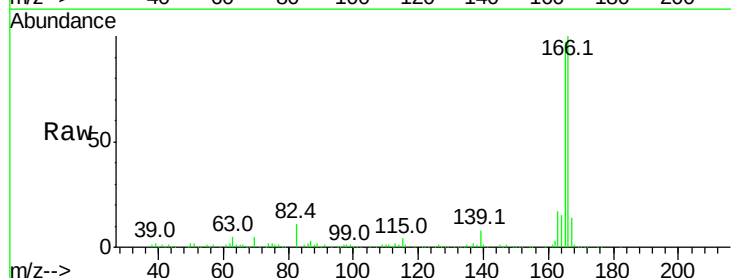
Tgt Ion:166 Resp: 166810

Ion Ratio Lower Upper

166 100

165 97.2 79.8 119.8

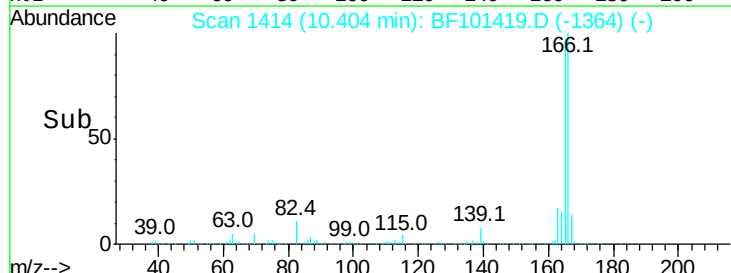
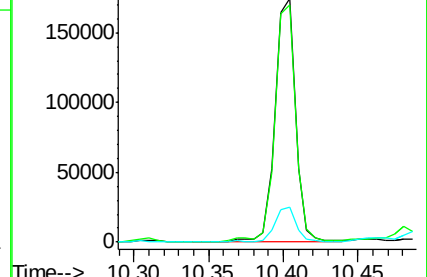
167 14.5 10.6 16.0

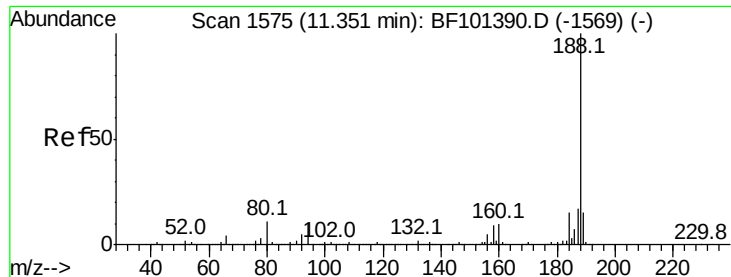


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

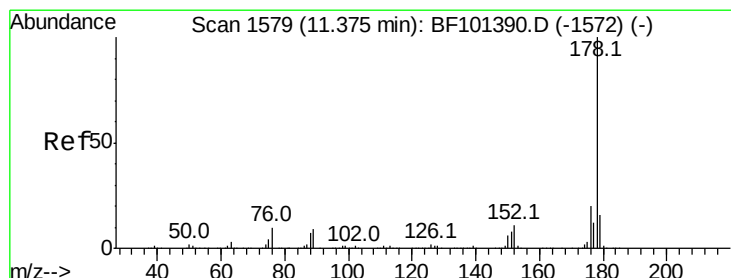
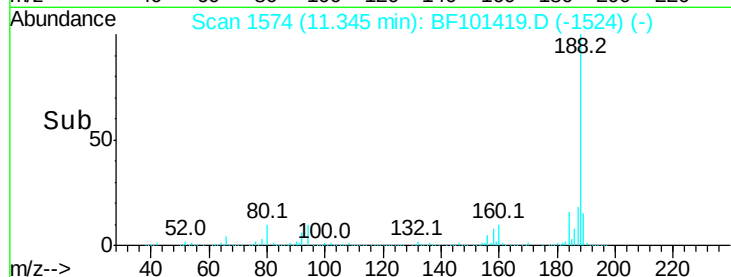
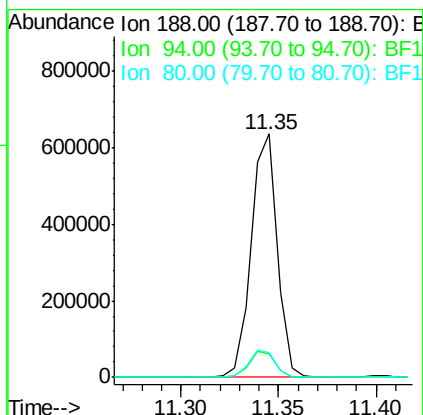
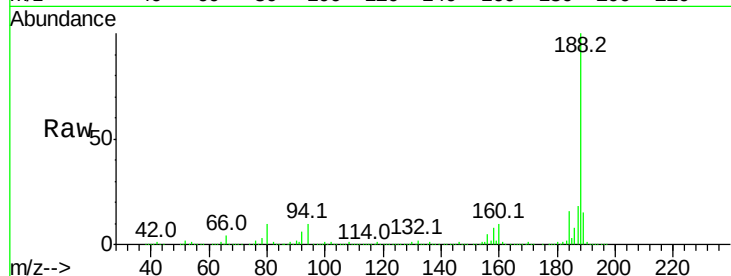




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101419.D
Acq: 15 Dec 2017 2:57

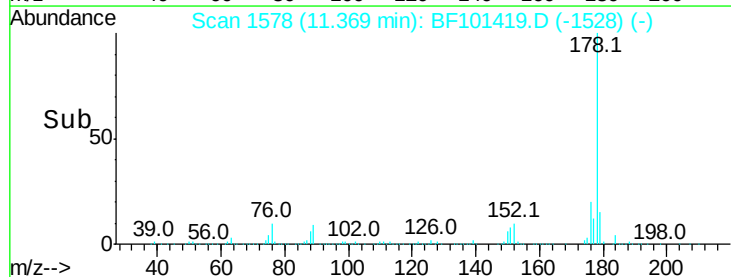
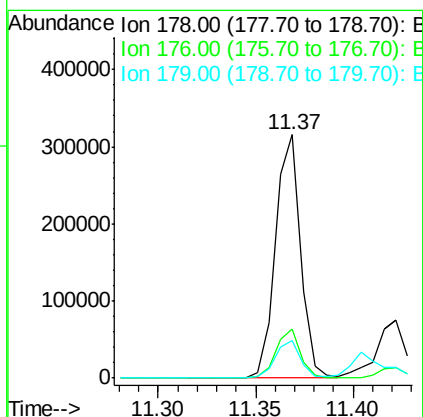
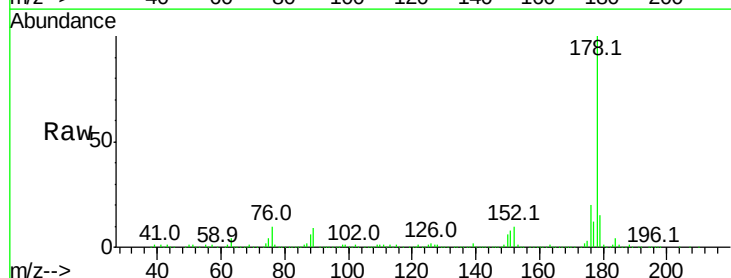
Instrument :
BNA_F
ClientSampleId :
TW-3

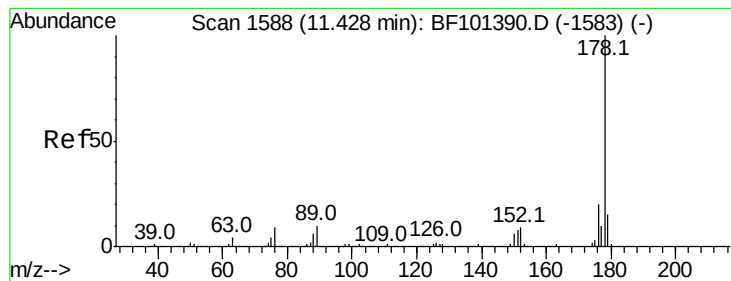
Tot Ion:188 Resp: 588825
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.3 9.2 13.8



#70
Phenanthrene
Concen: 8.570 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101419.D
Acq: 15 Dec 2017 2:57

Tgt Ion:178 Resp: 280616
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 15.2 13.0 19.6





#71

Anthracene

Concen: 2.202 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA_F

ClientSampled :

TW-3

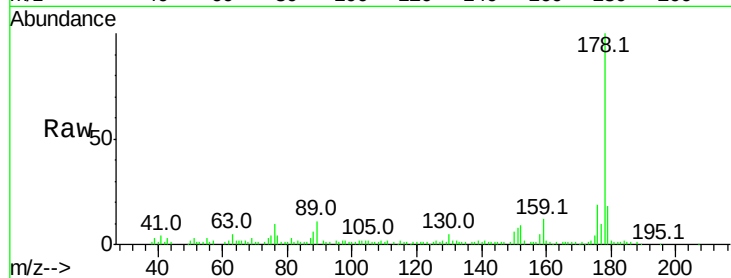
Tot Ion:178 Resp: 73661

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

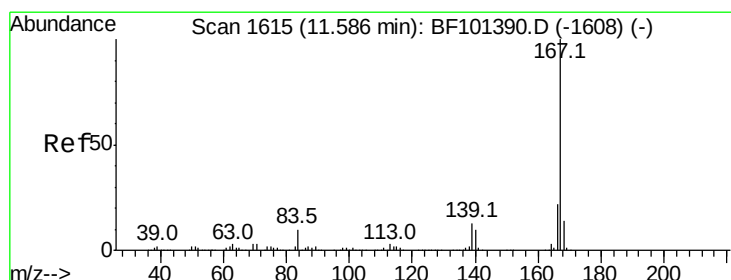
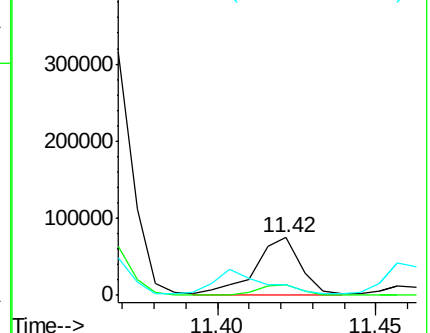
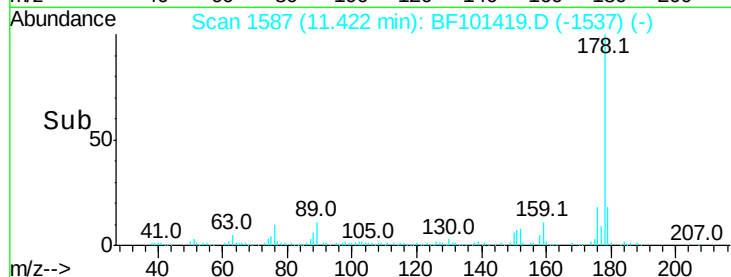
179 17.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 12.811 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

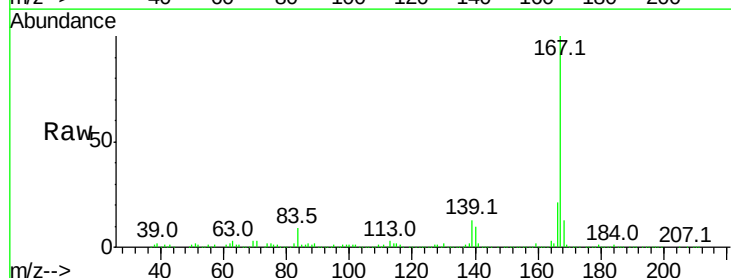
Tgt Ion:167 Resp: 401191

Ion Ratio Lower Upper

167 100

166 21.1 17.6 26.4

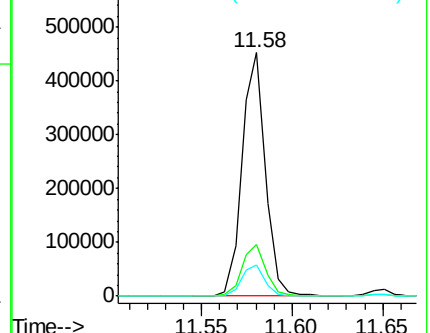
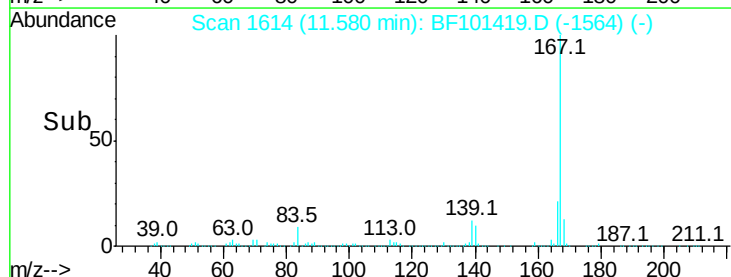
139 12.6 10.9 16.3

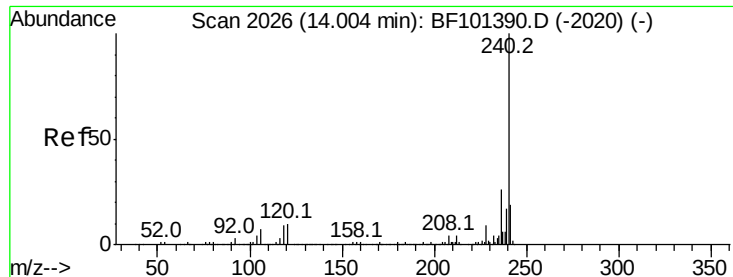


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

Instrument :

BNA_F

ClientSampleId :

TW-3

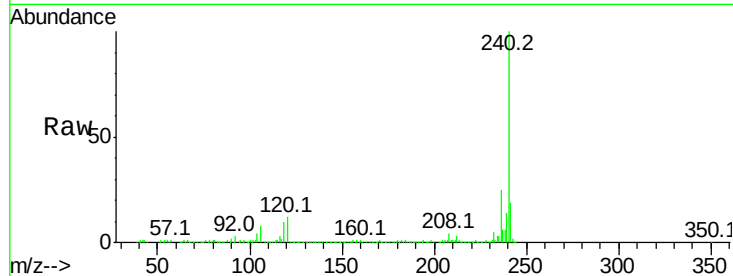
Tot Ion:240 Resp: 418014

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

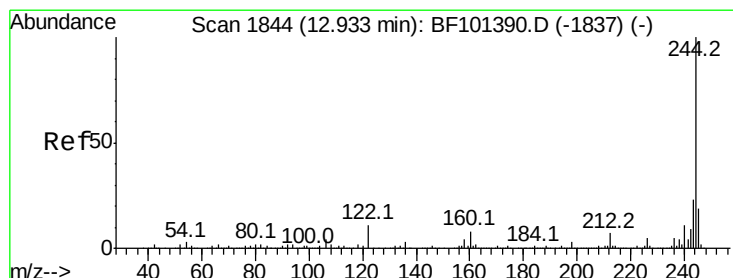
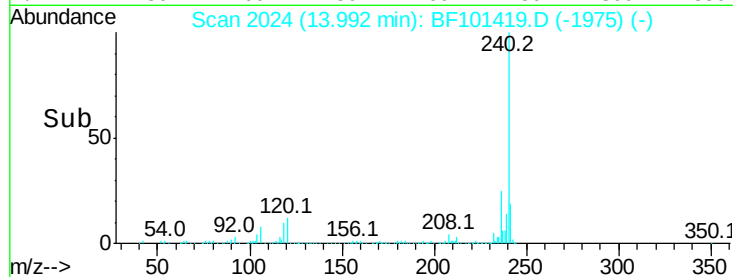
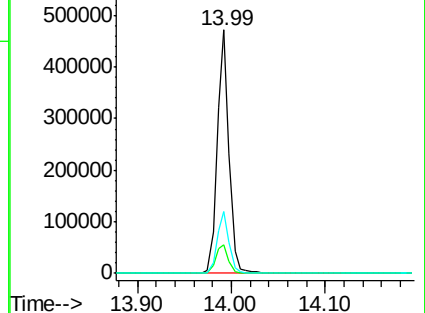
236 25.3 20.7 31.1



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: 94.622 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BF101419.D

Acq: 15 Dec 2017 2:57

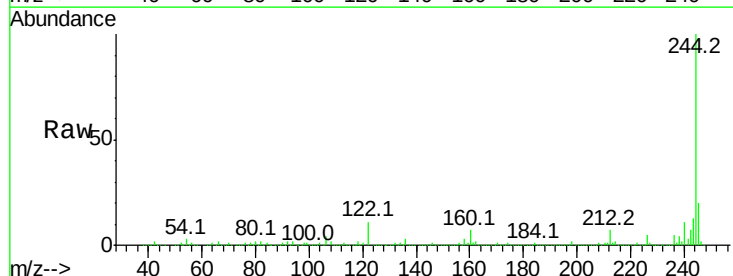
Tgt Ion:244 Resp: 1640689

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

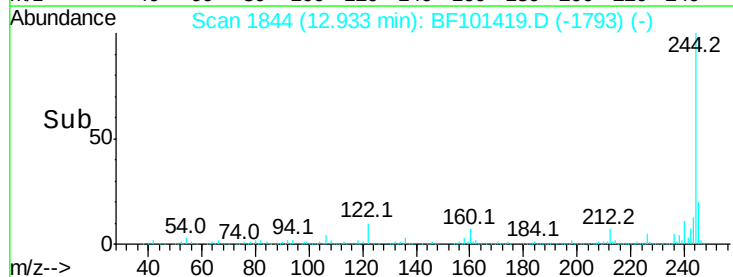
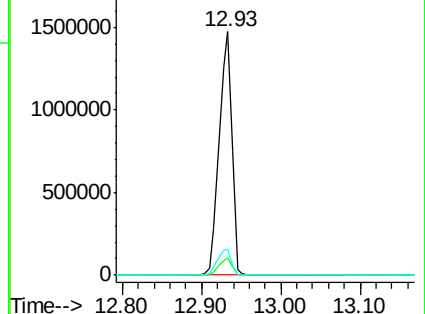
122 10.6 11.0 16.4#

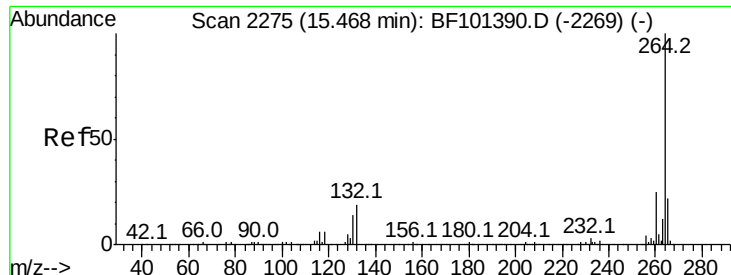


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

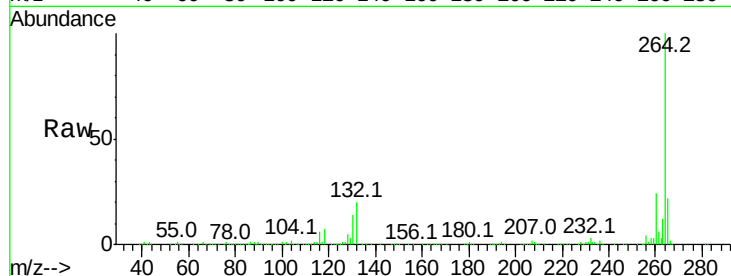




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF101419.D
 Acq: 15 Dec 2017 2:57

Instrument :
 BNA_F
 ClientSampleId :
 TW-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.8	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

