

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
 Data File : BF114908.D
 Acq On : 7 Jun 2019 23:39
 Operator : HP/JU
 Sample : K3214-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Quant Time: Jun 10 07:46:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

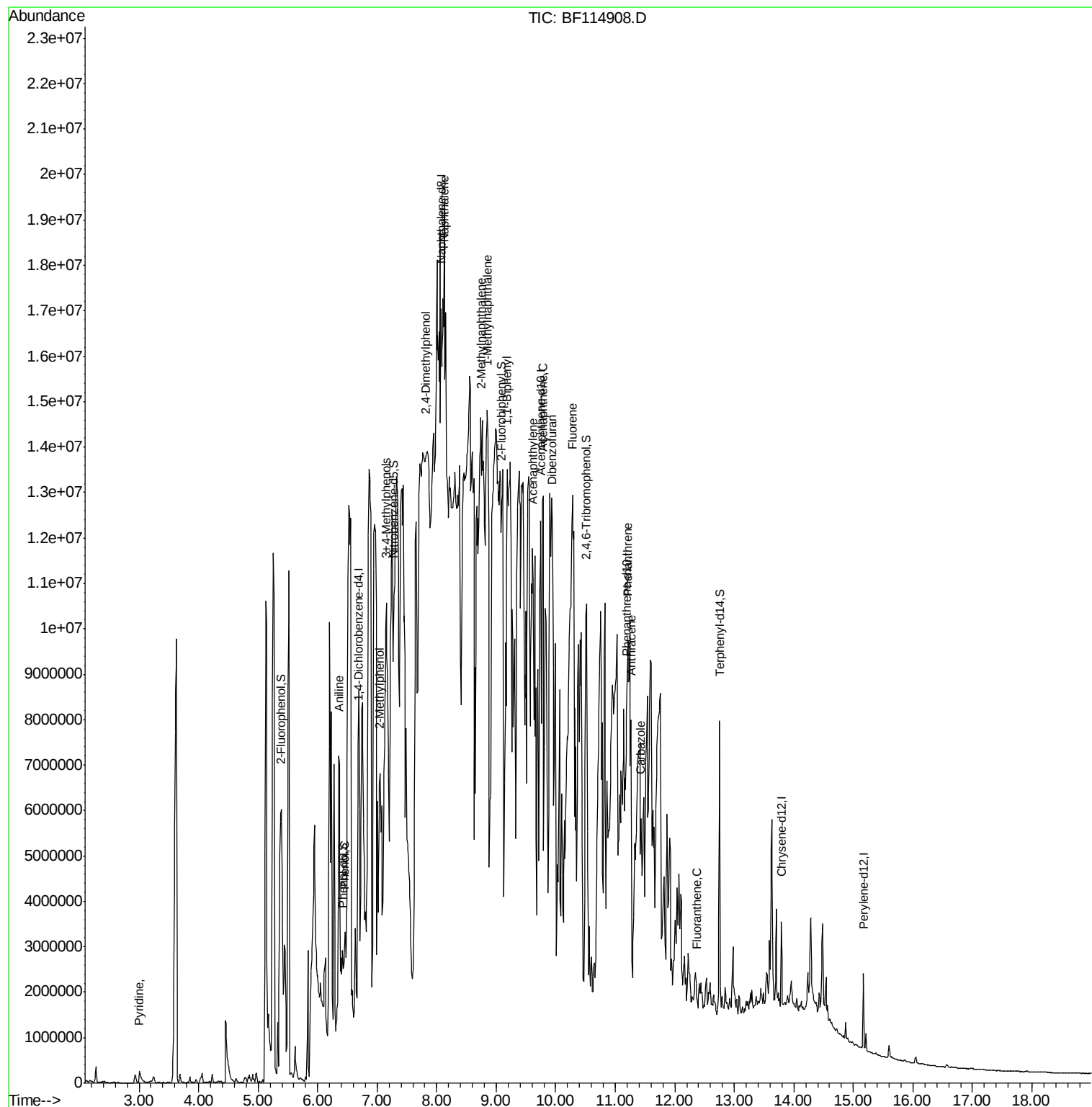
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	267527	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	546083	20.00	ng	0.12
39) Acenaphthene-d10	9.75	164	324289m	20.00	ng	0.05
64) Phenanthrene-d10	11.19	188	686536	20.00	ng	0.02
76) Chrysene-d12	13.79	240	585479	20.00	ng	0.00
87) Perylene-d12	15.17	264	703001	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1254492m	81.94	ng	0.12
7) Phenol-d6	6.43	99	987312	53.00	ng	0.12
23) Nitrobenzene-d5	7.27	82	2668984	300.87	ng	0.04
42) 2,4,6-Tribromophenol	10.52	330	536393	153.49	ng	0.04
45) 2-Fluorobiphenyl	9.09	172	1812844	104.72	ng	0.06
79) Terphenyl-d14	12.75	244	2294328	76.21	ng	0.00
Target Compounds						
3) Pyridine	3.00	79	238408	11.867	ng	98
6) Aniline	6.36	93	2810845	106.332	ng	# 93
10) Phenol	6.45	94	767195	36.011	ng	89
17) 2-Methylphenol	7.05	107	4650502m	307.557	ng	
20) 3+4-Methylphenols	7.15	107	5675552m	340.306	ng	
27) 2,4-Dimethylphenol	7.80	122	9346548m	1235.452	ng	
31) Naphthalene	8.12	128	35166493	1430.417	ng	# 86
37) 2-Methylnaphthalene	8.75	142	8090591m	474.456	ng	
38) 1-Methylnaphthalene	8.86	142	4657441	288.005	ng	# 99
46) 1,1'-Biphenyl	9.18	154	2355870	98.020	ng	98
49) Acenaphthylene	9.62	152	225626m	7.618	ng	
52) Acenaphthene	9.79	154	2311796	119.159	ng	99
55) Dibenzofuran	9.95	168	2406688	89.210	ng	97
58) Fluorene	10.27	166	1077117	66.744	ng	99
71) Phenanthrene	11.21	178	1000226	30.518	ng	97
72) Anthracene	11.26	178	331234	9.603	ng	97
73) Carbazole	11.43	167	1018482	34.445	ng	97
75) Fluoranthene	12.37	202	90350	2.649	ng	92

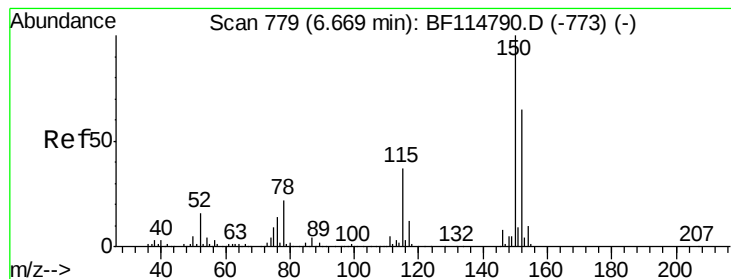
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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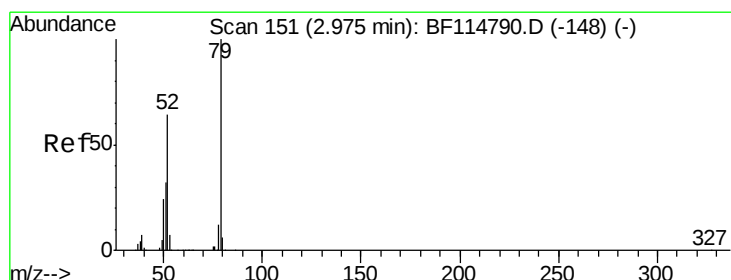
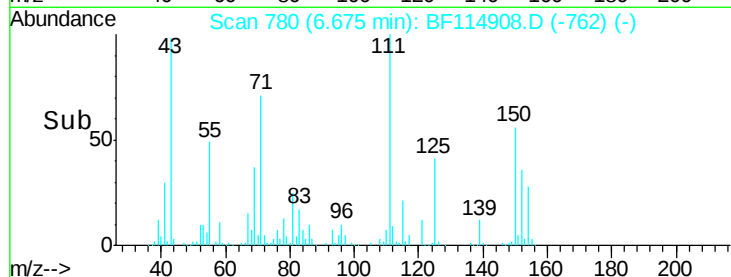
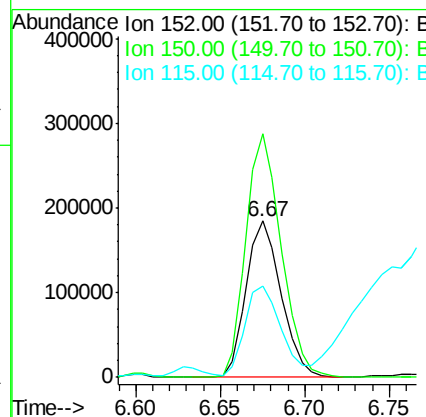
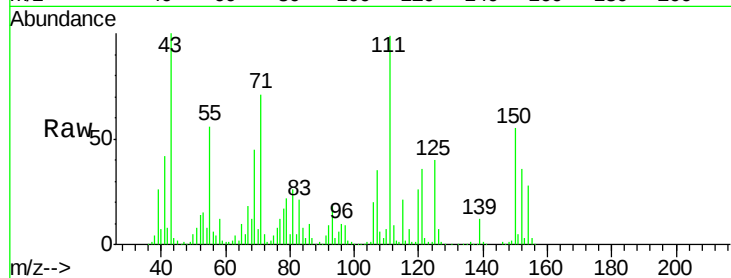


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. 0.01 min
Lab File: BF114908.D
Acq: 7 Jun 2019 23:39

Instrument :
BNA_F
ClientSampled :
MW-1A

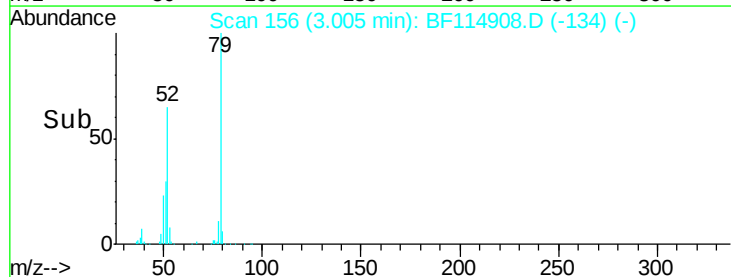
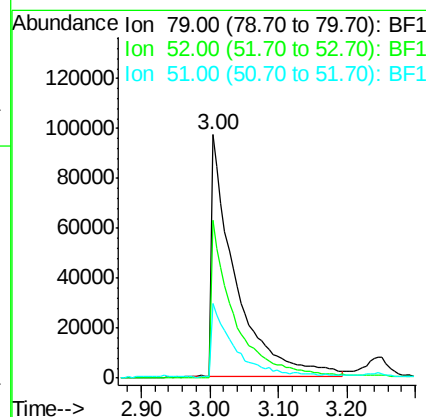
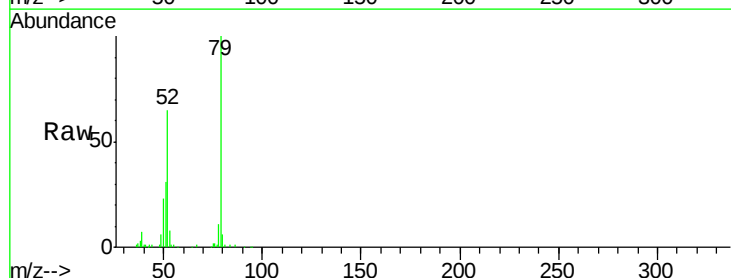
Tot Ion	152	Resp	267527
Ion Ratio	Lower	Upper	
152	100		
150	155.9	124.0	186.0
115	58.6	46.3	69.5

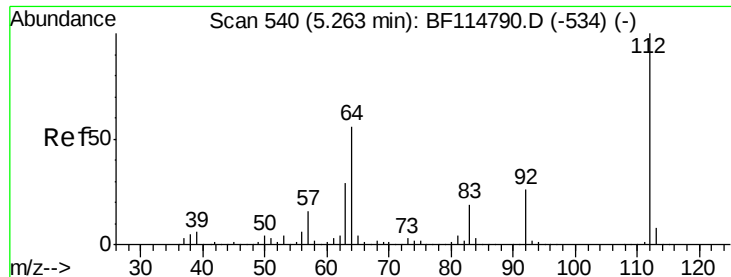


#3

Pyridine
Concen: 11.867 ng
RT: 3.00 min Scan# 156
Delta R.T. 0.03 min
Lab File: BF114908.D
Acq: 7 Jun 2019 23:39

Tgt Ion	79	Resp	238408
Ion Ratio	Lower	Upper	
79	100		
52	64.6	51.0	76.4
51	30.7	25.7	38.5





#5

2-Fluorophenol

Concen: 81.937 ng/mL

RT: 5.38 min Scan# 560

Delta R.T. 0.12 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

Instrument :

BNA_F

ClientSampleId :

MW-1A

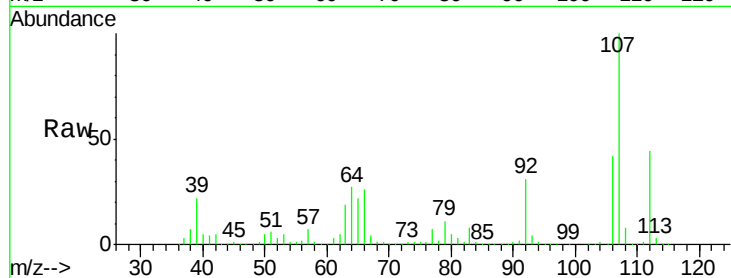
Tot Ion: 112 Resp: 1254492

Ion Ratio Lower Upper

112 100

64 61.6 44.6 66.8

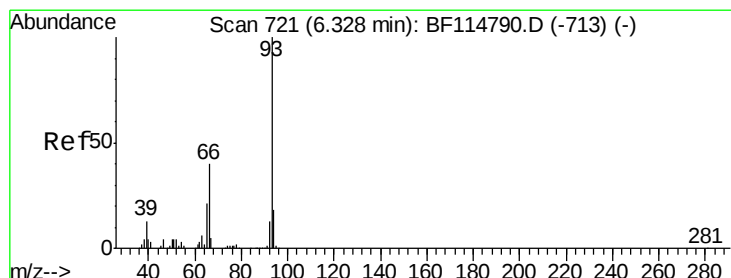
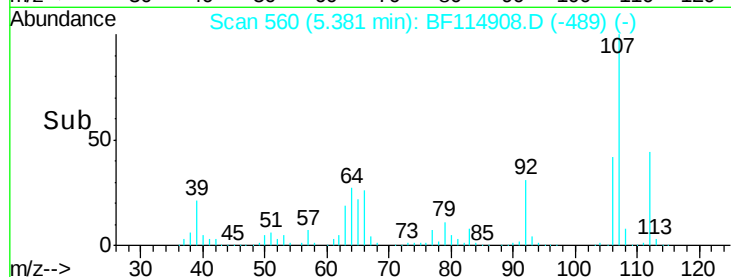
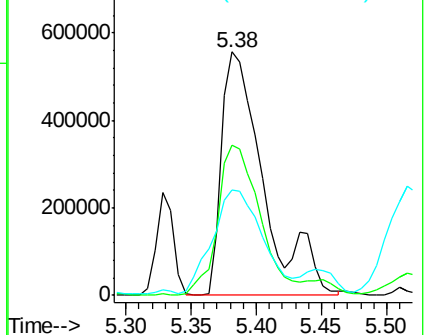
63 43.1 23.0 34.4#



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 106.332 ng/mL

RT: 6.36 min Scan# 726

Delta R.T. 0.03 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

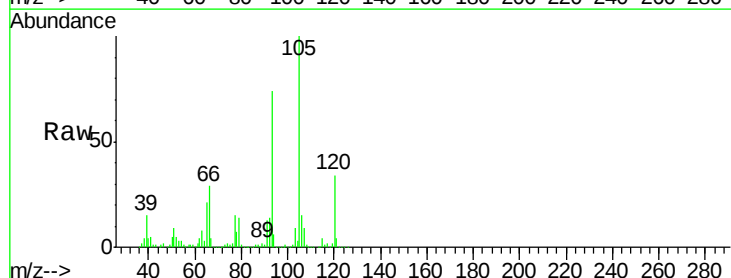
Tgt Ion: 93 Resp: 2810845

Ion Ratio Lower Upper

93 100

66 39.1 32.8 49.2

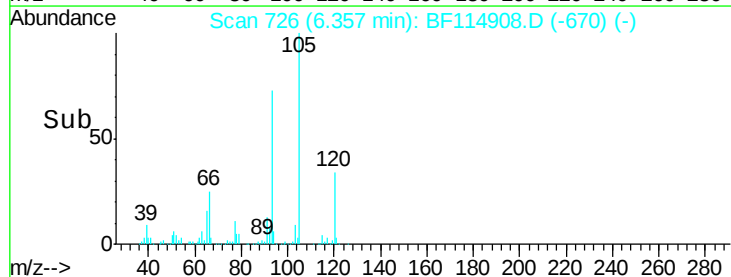
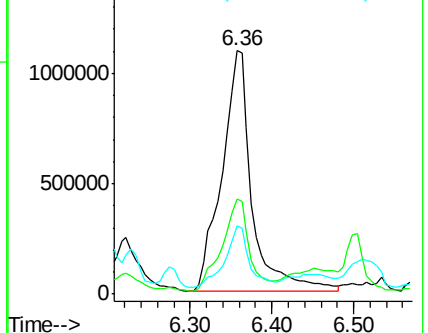
65 28.2 16.9 25.3#

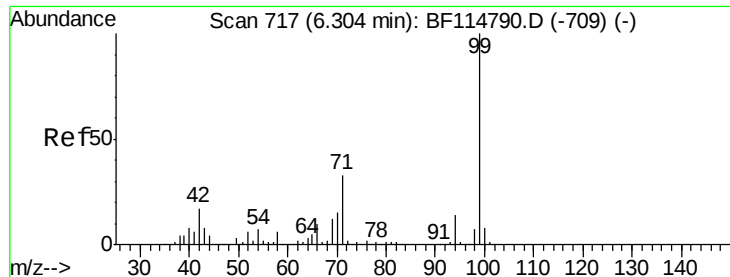


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 52.997 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.12 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

Instrument :

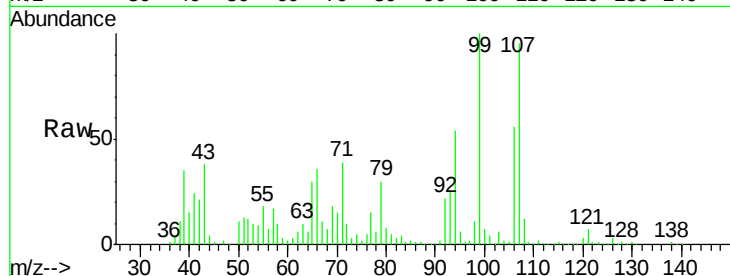
BNA_F

ClientSampleId :

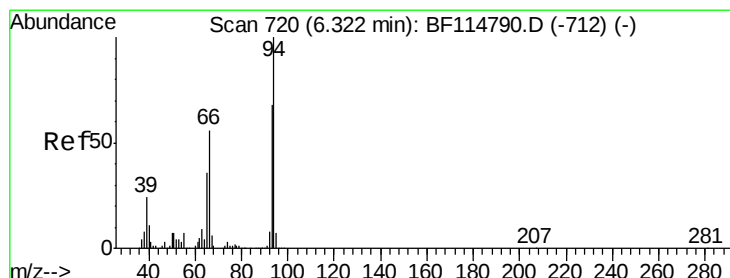
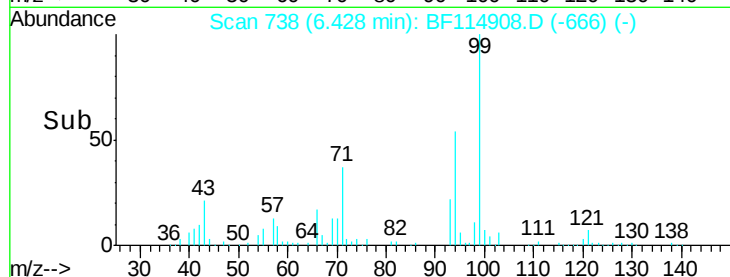
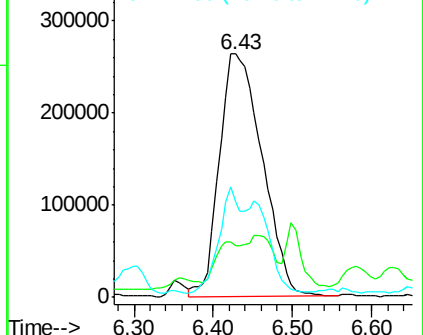
MW-1A

Tot Ion: 99 Resp: 987312

Ion	Ratio	Lower	Upper
99	100		
42	21.3	13.3	19.9#
71	39.2	26.3	39.5



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: 36.011 ng

RT: 6.45 min Scan# 742

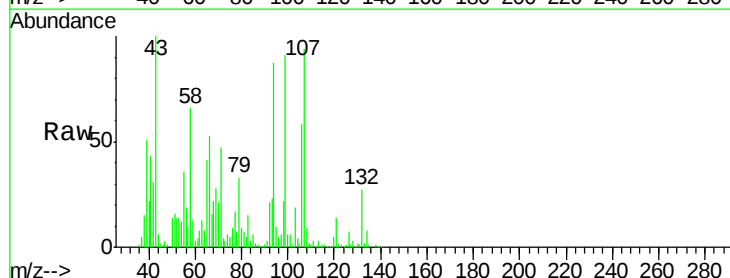
Delta R.T. 0.13 min

Lab File: BF114908.D

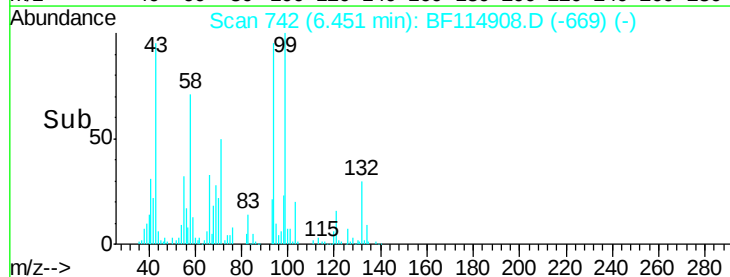
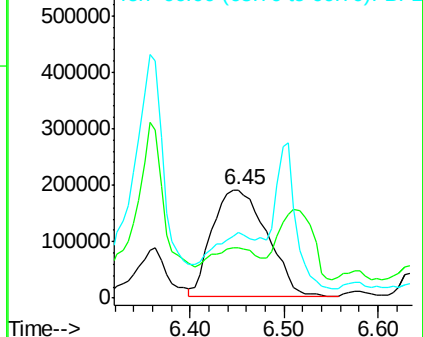
Acq: 7 Jun 2019 23:39

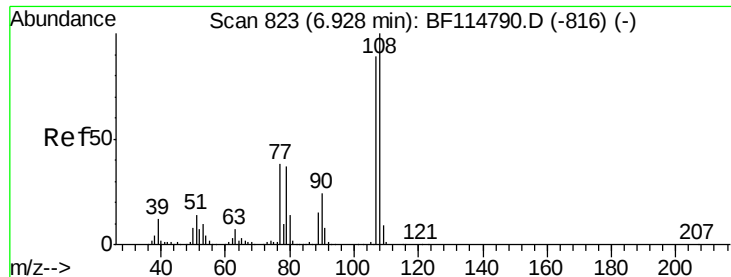
Tgt Ion: 94 Resp: 767195

Ion	Ratio	Lower	Upper
94	100		
65	46.8	16.1	56.1
66	60.9	36.3	76.3



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





#17

2-Methylphenol

Concen: 307.557 ng m

RT: 7.05 min Scan# 844

Delta R.T. 0.12 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

Instrument :

BNA_F

ClientSampleId :

MW-1A

Tot Ion:107 Resp: 4650502

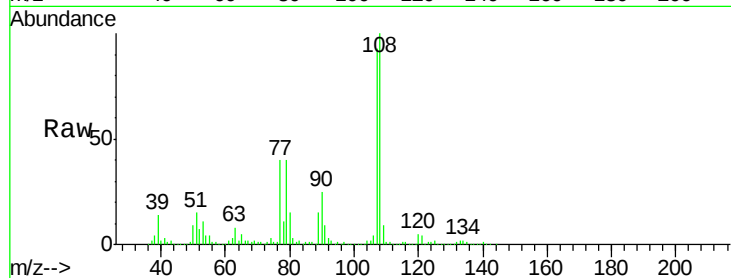
Ion Ratio Lower Upper

107 100

108 107.3 90.2 135.2

77 43.3 34.5 51.7

79 43.1 33.8 50.6

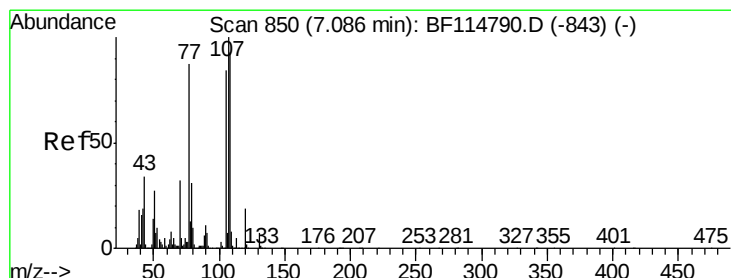
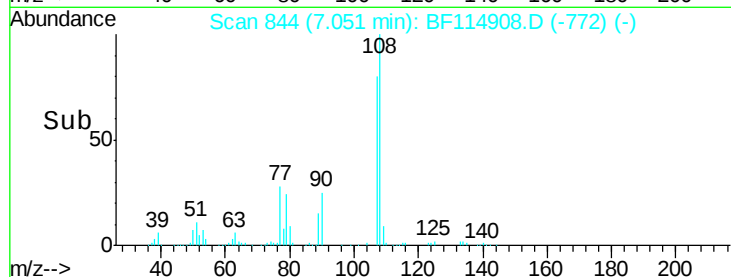
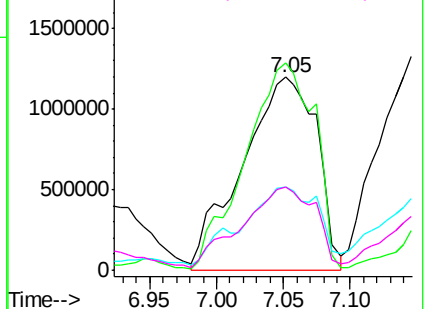


Abundance Ion 107.00 (106.70 to 107.70): E

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: 340.306 ng m

RT: 7.15 min Scan# 861

Delta R.T. 0.06 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

Tgt Ion:107 Resp: 5675552

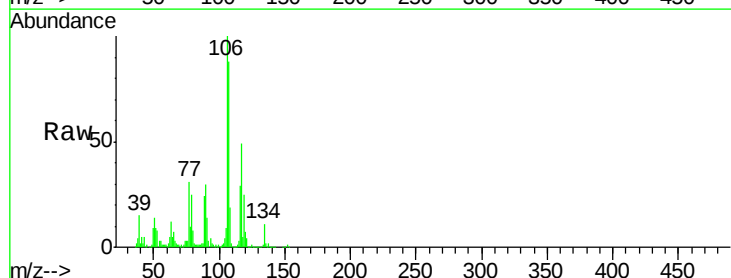
Ion Ratio Lower Upper

107 100

108 21.1 73.5 113.5#

77 34.6 67.2 107.2#

79 28.7 10.6 50.6

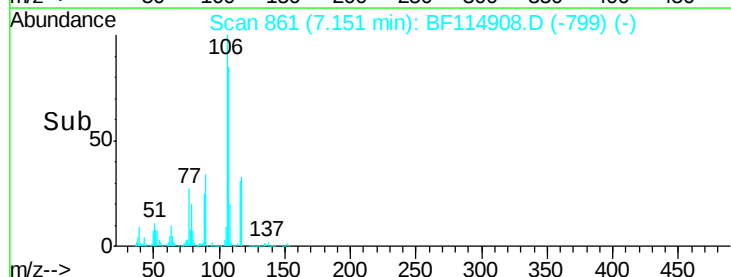
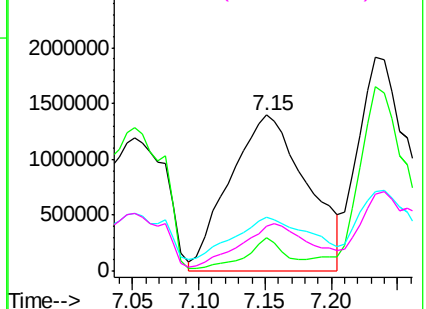


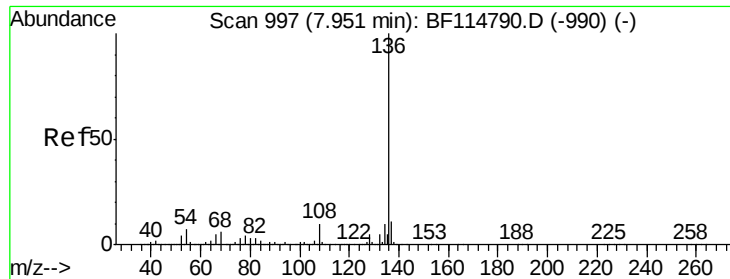
Abundance Ion 107.00 (106.70 to 107.70): E

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

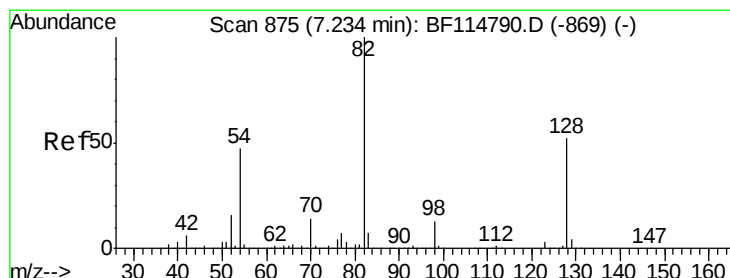
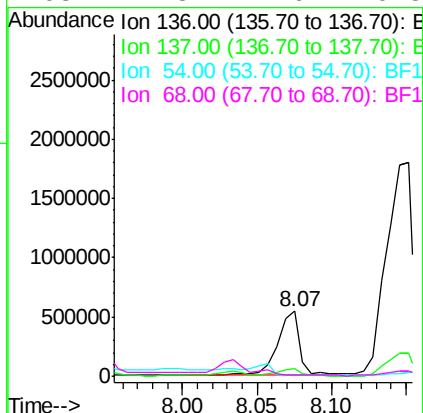
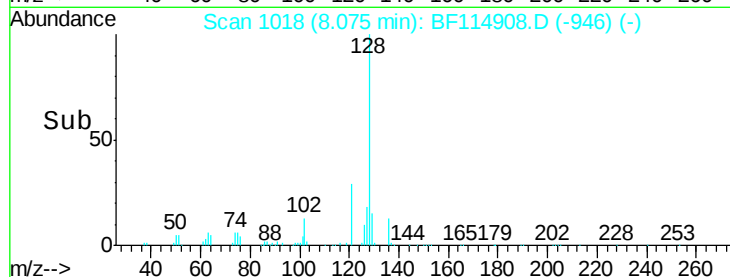
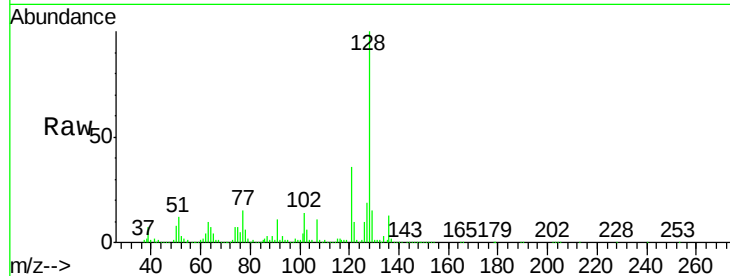




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.12 min
Lab File: BF114908.D
Acq: 7 Jun 2019 23:39

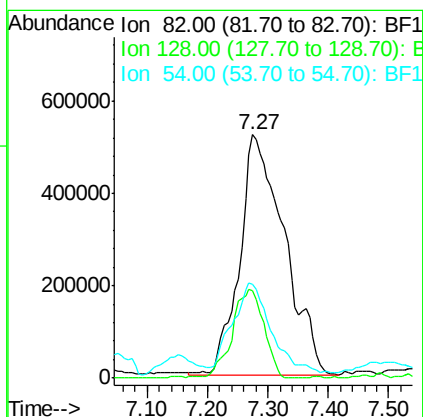
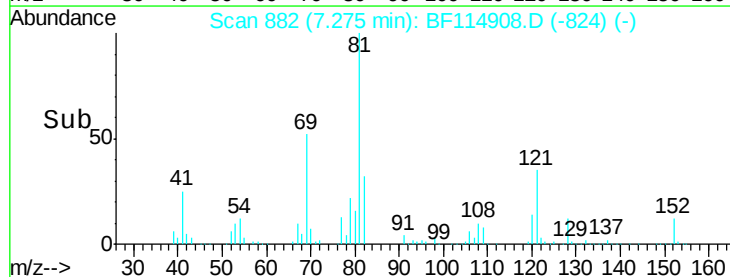
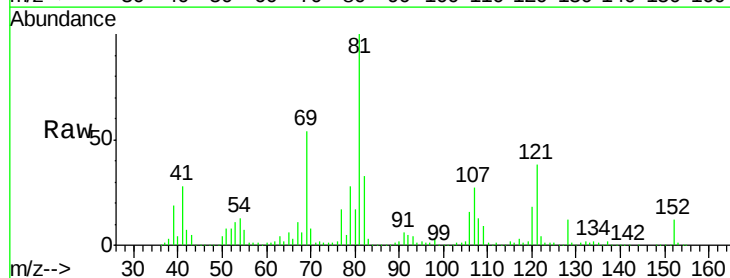
Instrument :
BNA_F
ClientSampleId :
MW-1A

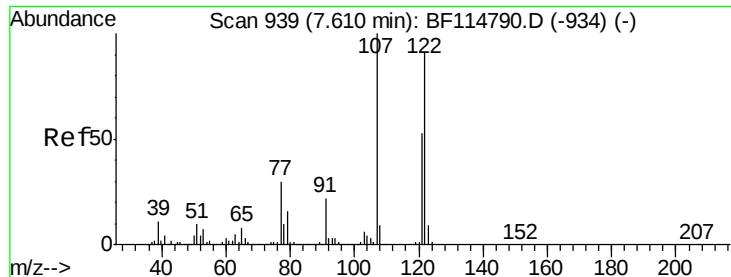
Tot Ion:136	Resp: 546083
Ion Ratio	Lower Upper
136 100	
137 11.6	9.1 13.7
54 2.3	5.4 8.0#
68 1.8	4.6 6.8#



#23
Nitrobenzene-d5
Concen: 300.867 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.04 min
Lab File: BF114908.D
Acq: 7 Jun 2019 23:39

Tgt Ion: 82	Ratio	Resp: 2668984	
Ion		Lower	Upper
82	100		
128	35.8	41.8	62.6#
54	38.6	37.9	56.9





#27

2,4-Dimethylphenol

Concen: 1235.452 ng m

RT: 7.80 min Scan# 972

Delta R.T. 0.19 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

Instrument :

BNA_F

ClientSampleId :

MW-1A

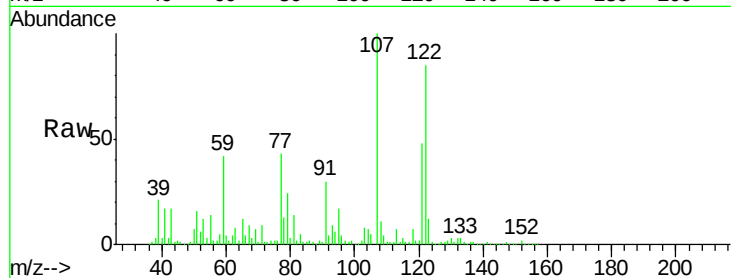
Tot Ion:122 Resp: 9346548

Ion Ratio Lower Upper

122 100

107 117.0 87.9 131.9

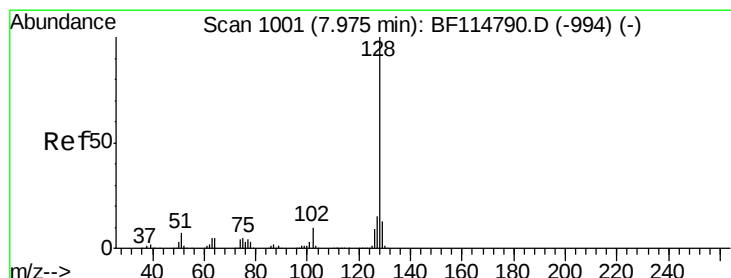
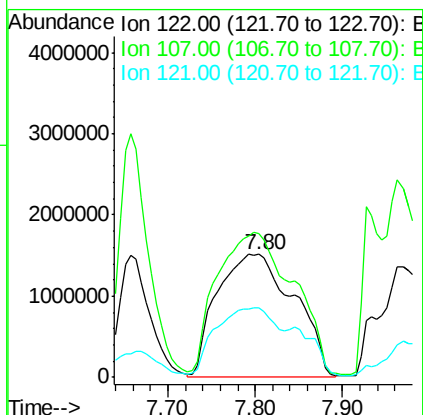
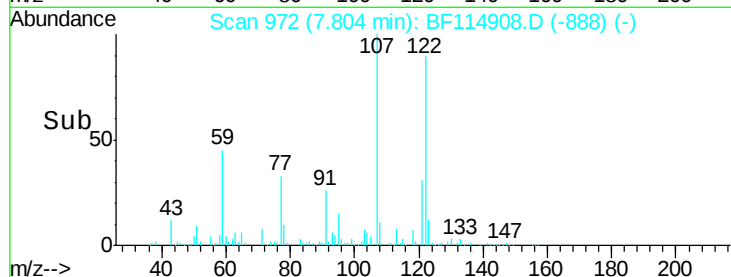
121 56.1 46.4 69.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 1430.417 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.15 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

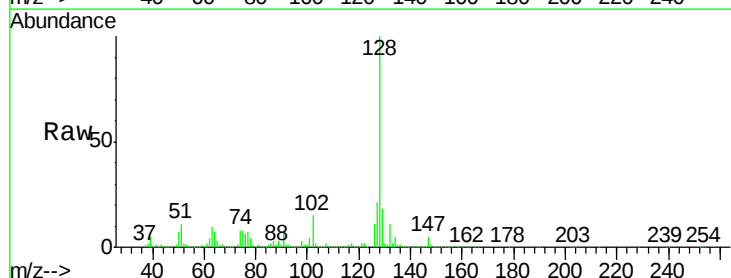
Tgt Ion:128 Resp:35166493

Ion Ratio Lower Upper

128 100

129 17.7 10.0 15.0#

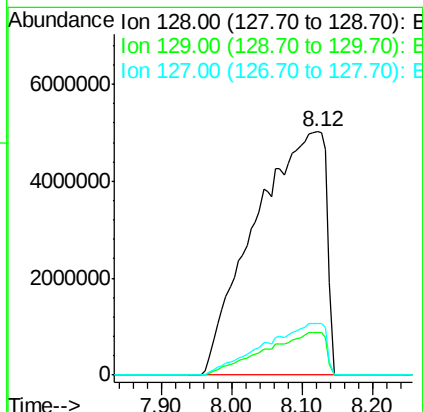
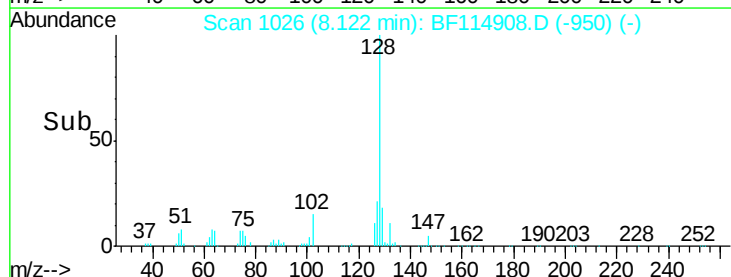
127 21.4 12.2 18.2#

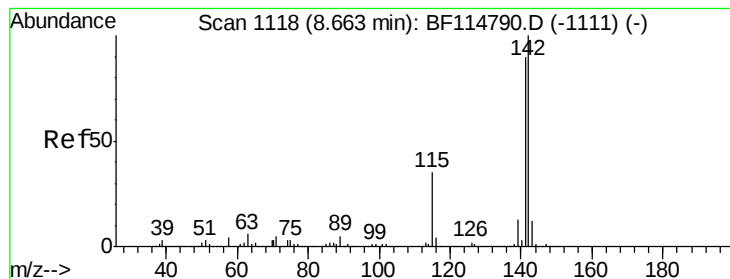


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 474.456 ng/mL

RT: 8.75 min Scan# 1133

Delta R.T. 0.09 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

Instrument :

BNA_F

ClientSampleId :

MW-1A

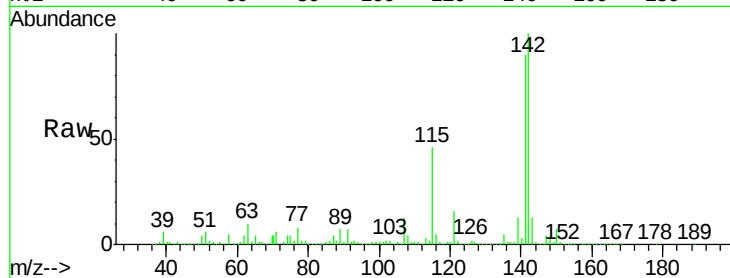
Tot Ion:142 Resp: 8090591

Ion Ratio Lower Upper

142 100

141 90.3 71.6 107.4

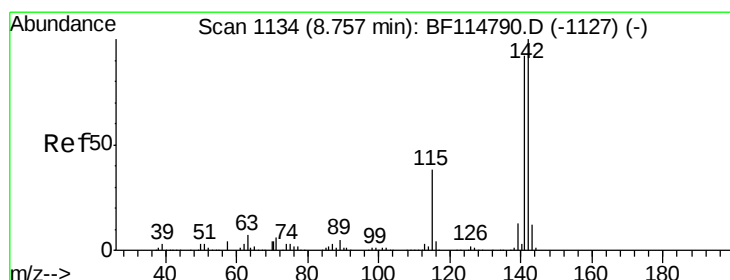
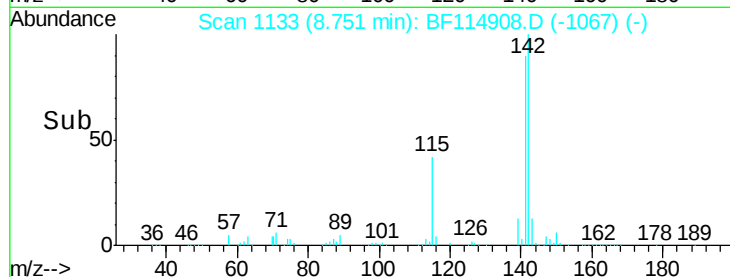
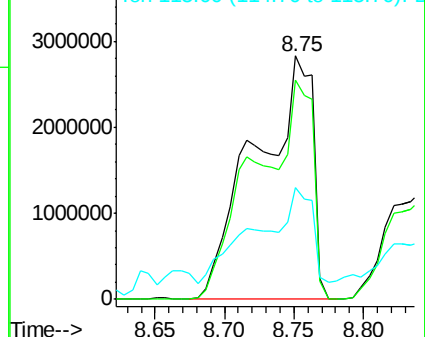
115 45.9 28.2 42.4#



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

1-Methylnaphthalene

Concen: 288.005 ng/mL

RT: 8.86 min Scan# 1151

Delta R.T. 0.10 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

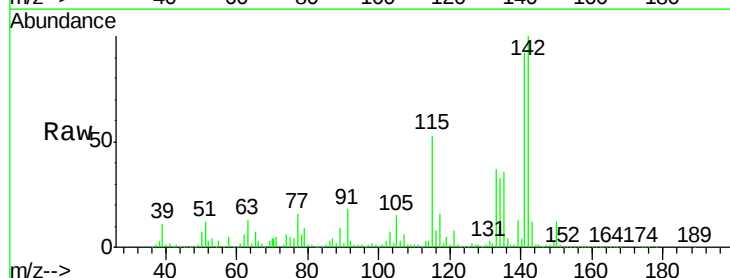
Tgt Ion:142 Resp: 4657441

Ion Ratio Lower Upper

142 100

141 91.8 73.8 110.6

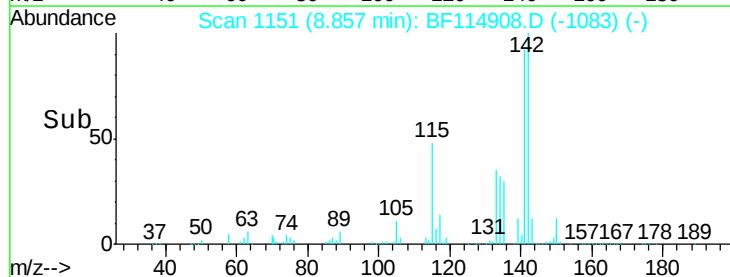
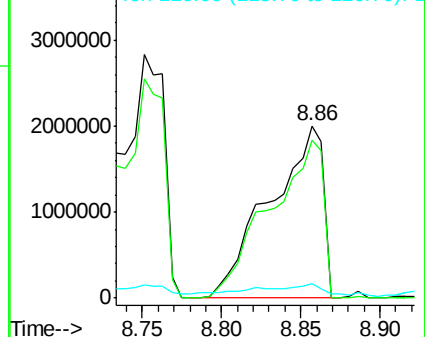
116 8.3 3.3 4.9#

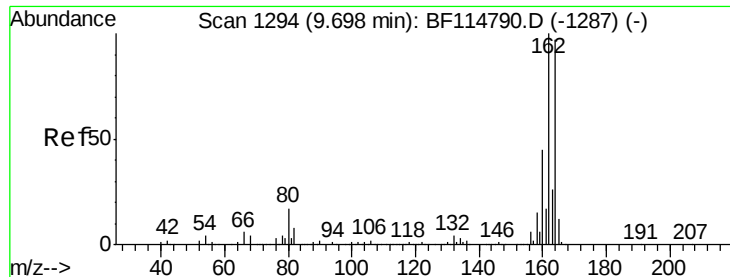


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng/ml

RT: 9.75 min Scan# 1302

Delta R.T. 0.05 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

Instrument :

BNA_F

ClientSampleId :

MW-1A

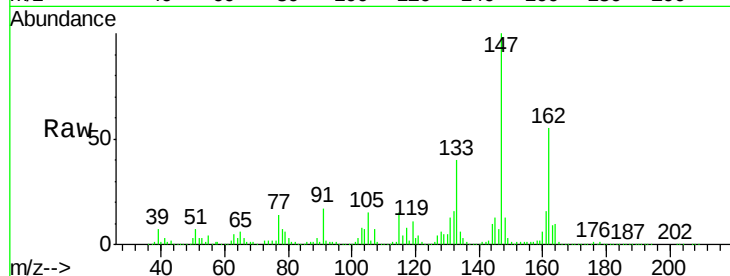
Tot Ion:164 Resp: 324289

Ion Ratio Lower Upper

164 100

162 536.1 82.3 123.5#

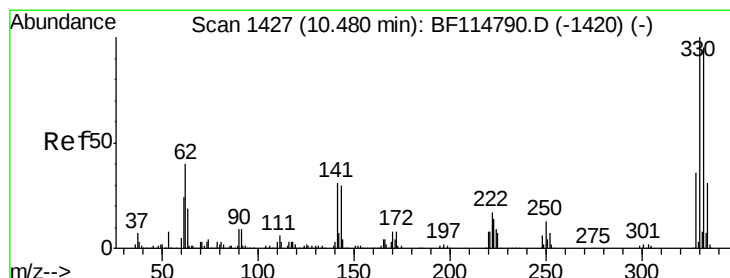
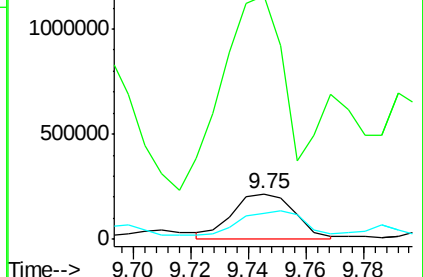
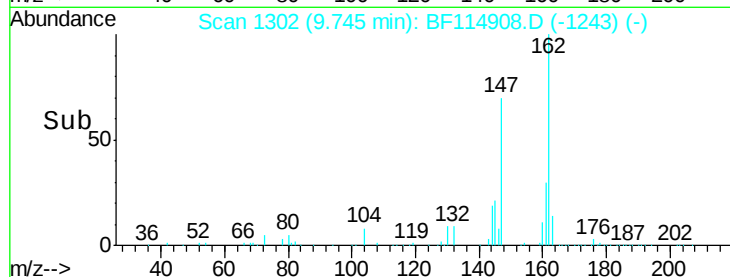
160 58.1 36.7 55.1#



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



#42

2,4,6-Tribromophenol

Concen: 153.486 ng/ml

RT: 10.52 min Scan# 1434

Delta R.T. 0.04 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

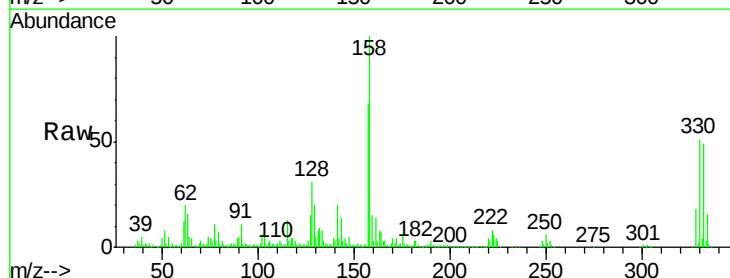
Tgt Ion:330 Resp: 536393

Ion Ratio Lower Upper

330 100

332 95.7 77.3 115.9

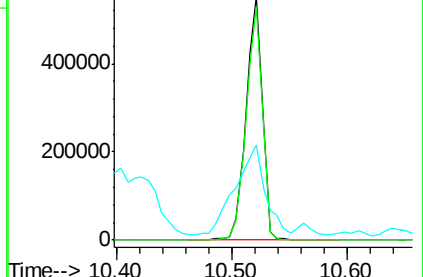
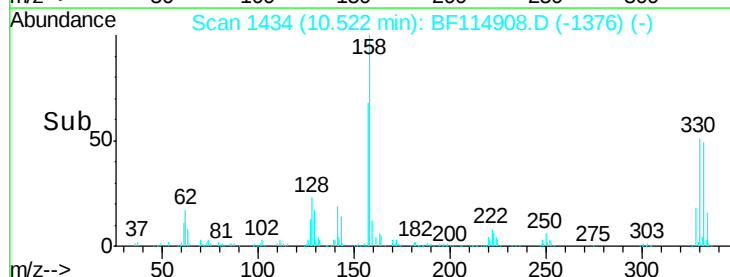
141 68.3 26.2 39.4#

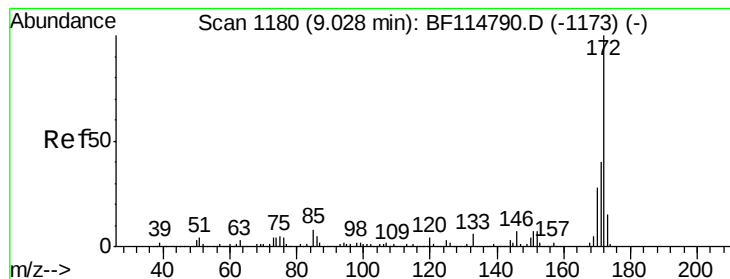


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 104.720 ng

RT: 9.09 min Scan# 1190

Delta R.T. 0.06 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

Instrument :

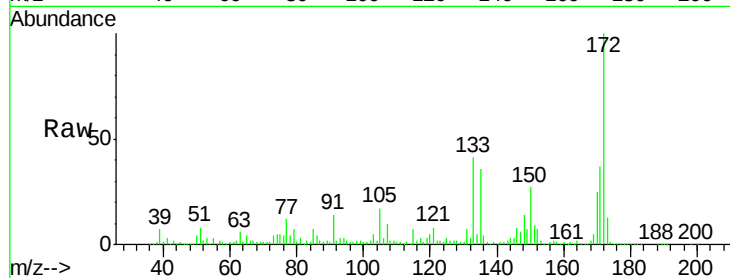
BNA_F

ClientSampled :

MW-1A

Tot Ion:172 Resp: 1812844

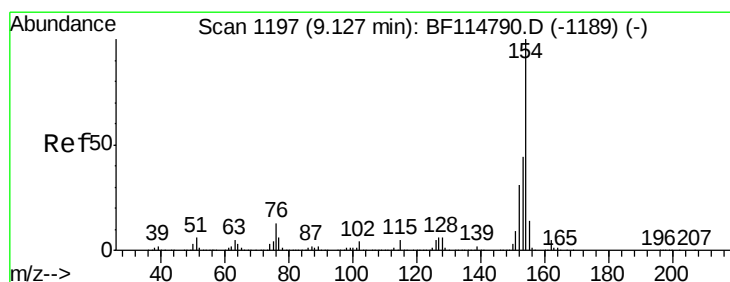
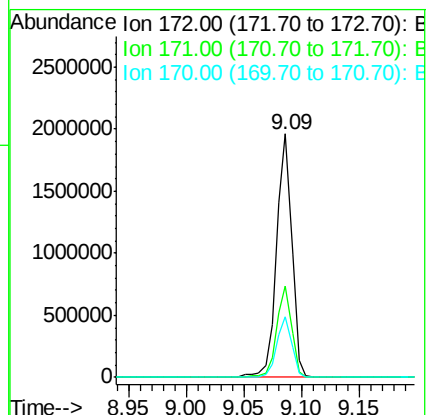
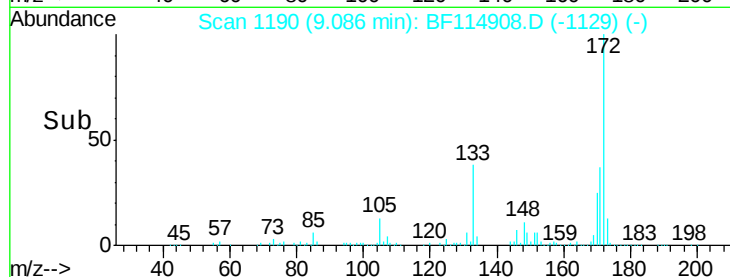
Ion	Ratio	Lower	Upper
172	100		
171	37.3	32.3	48.5
170	25.0	22.4	33.6



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



#46

1,1'-Biphenyl

Concen: 98.020 ng

RT: 9.18 min Scan# 1206

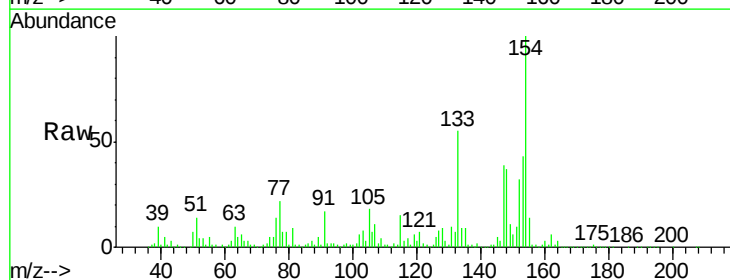
Delta R.T. 0.05 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

Tgt Ion:154 Resp: 2355870

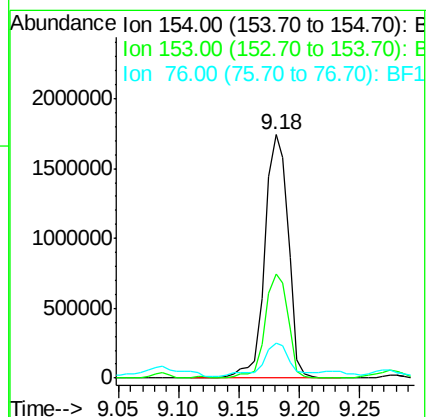
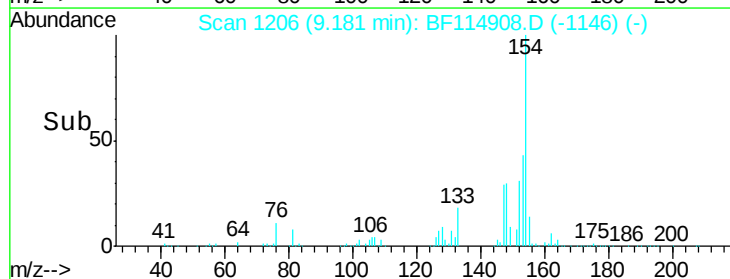
Ion	Ratio	Lower	Upper
154	100		
153	42.7	23.9	63.9
76	14.1	0.0	33.2

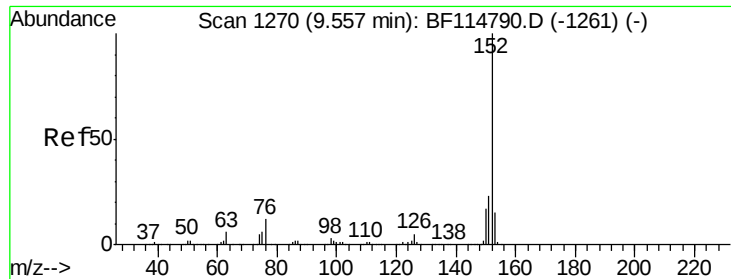


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#49

Acenaphthylene

Concen: 7.618 ng/mL

RT: 9.62 min Scan# 1280

Delta R.T. 0.06 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

Instrument :

BNA_F

ClientSampleId :

MW-1A

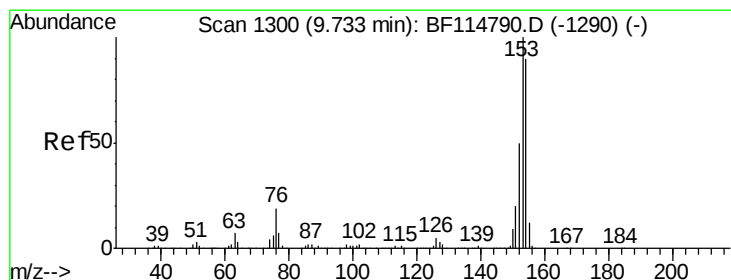
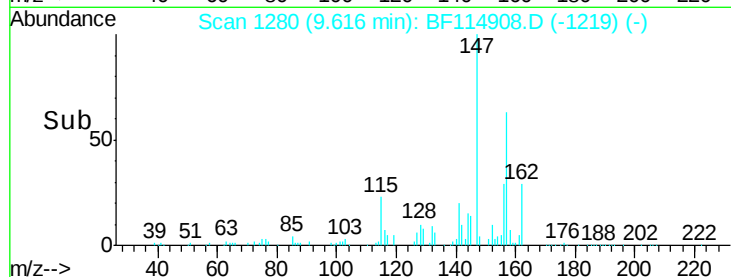
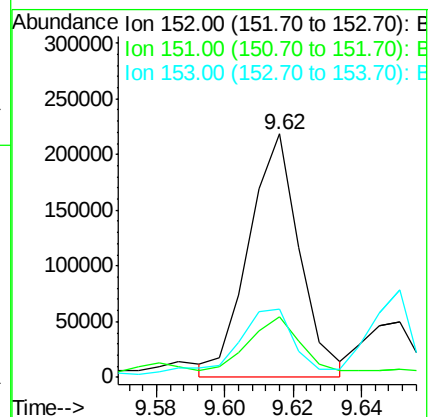
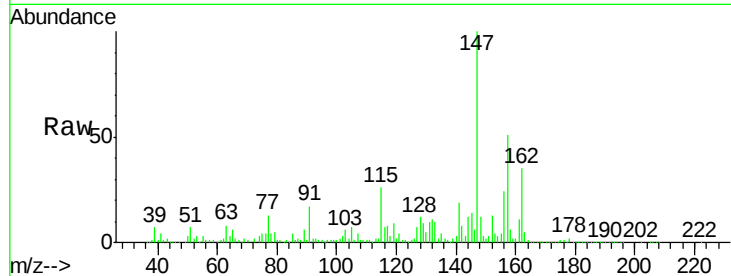
Tot Ion:152 Resp: 225626

Ion Ratio Lower Upper

152 100

151 25.0 18.3 27.5

153 28.1 12.3 18.5#



#52

Acenaphthene

Concen: 119.159 ng/mL

RT: 9.79 min Scan# 1309

Delta R.T. 0.05 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

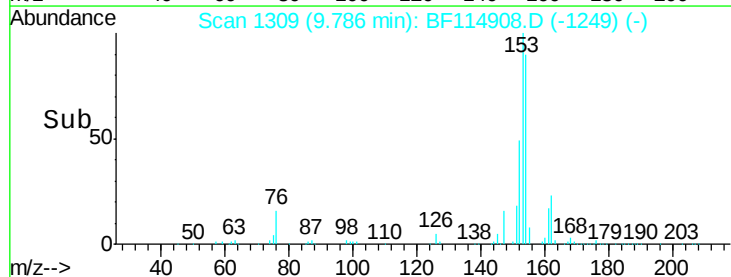
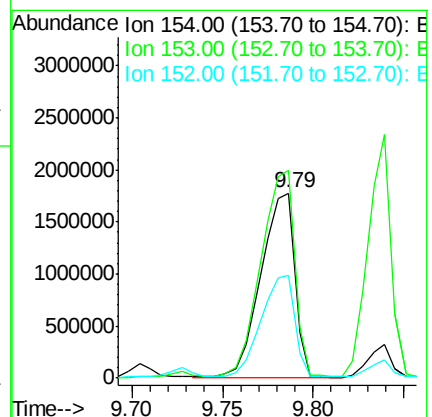
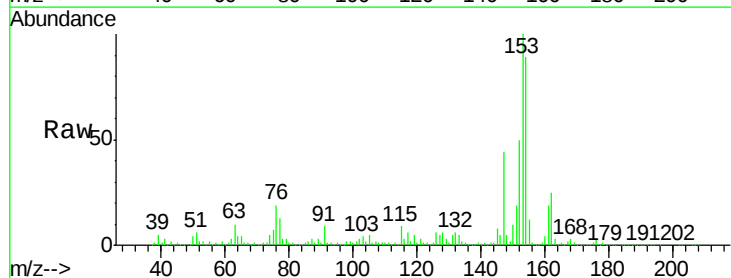
Tgt Ion:154 Resp: 2311796

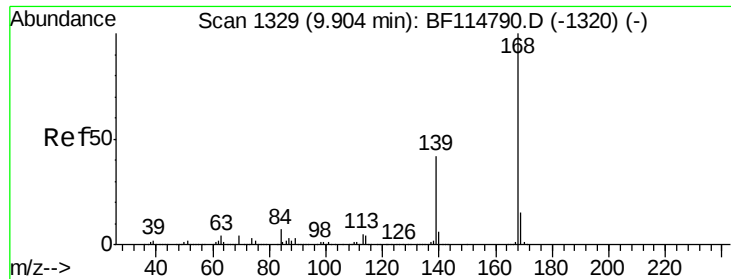
Ion Ratio Lower Upper

154 100

153 112.4 88.5 132.7

152 55.8 44.1 66.1

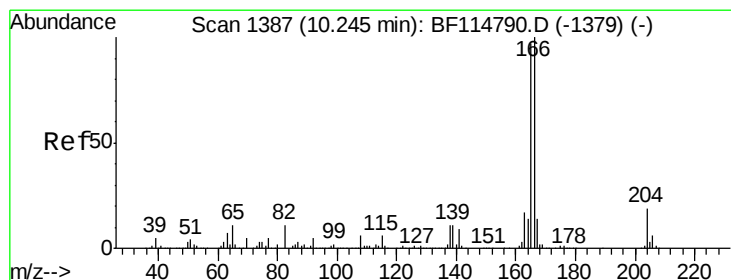
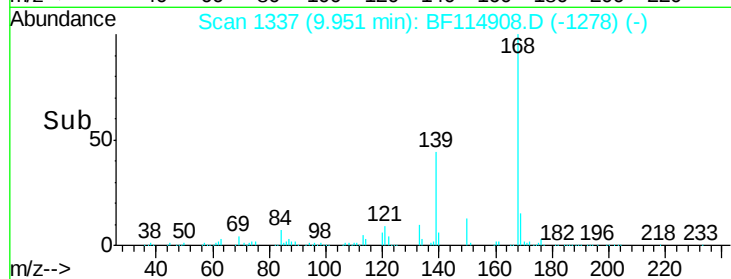
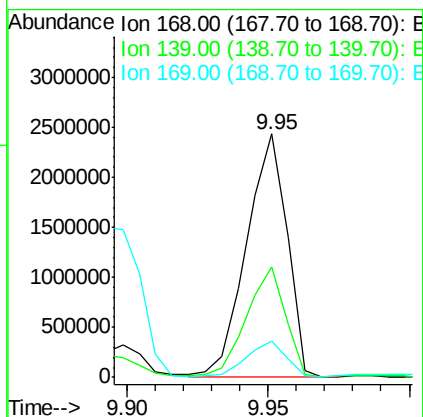
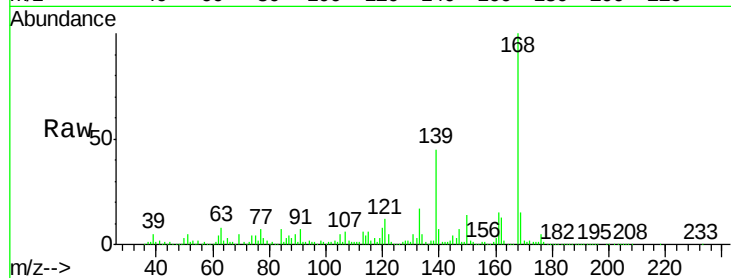




#55
Dibenzofuran
Concen: 89.210 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.05 min
Lab File: BF114908.D
Acq: 7 Jun 2019 23:39

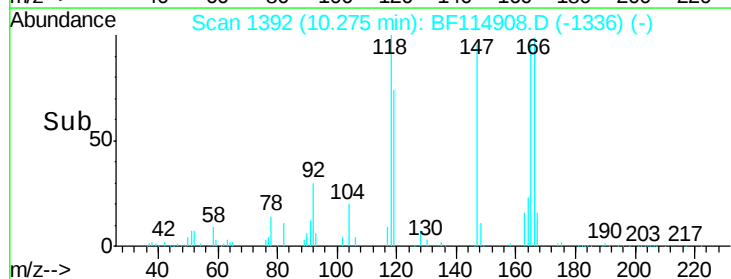
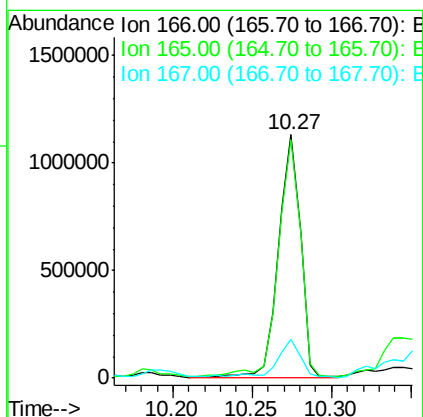
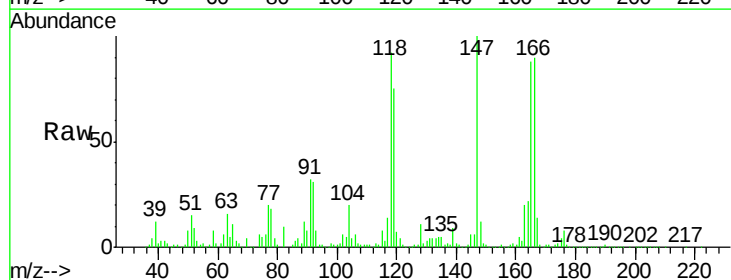
Instrument :
BNA_F
ClientSampleId :
MW-1A

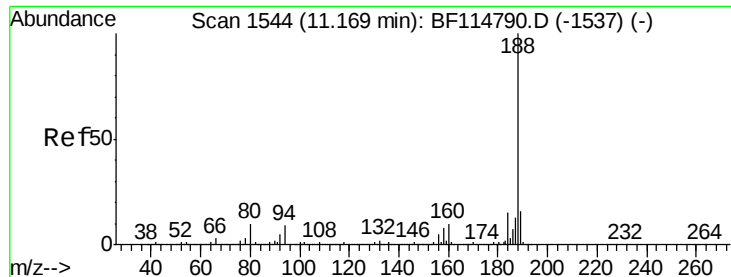
Tot Ion:168 Resp: 2406688
Ion Ratio Lower Upper
168 100
139 45.2 33.8 50.6
169 15.0 11.9 17.9



#58
Fluorene
Concen: 66.744 ng
RT: 10.27 min Scan# 1392
Delta R.T. 0.03 min
Lab File: BF114908.D
Acq: 7 Jun 2019 23:39

Tgt Ion:166 Resp: 1077117
Ion Ratio Lower Upper
166 100
165 97.8 77.9 116.9
167 16.0 11.3 16.9

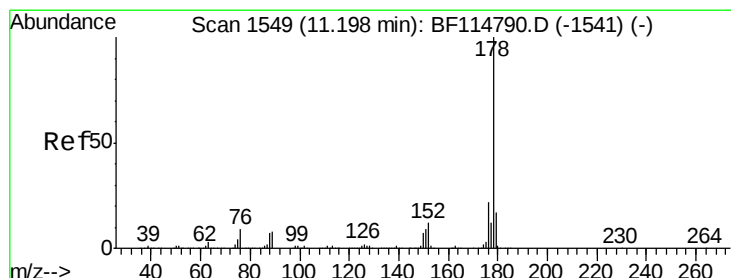
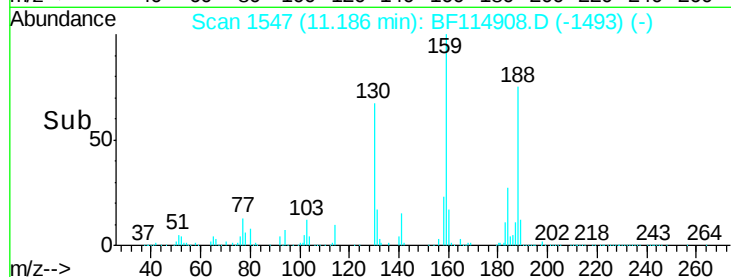
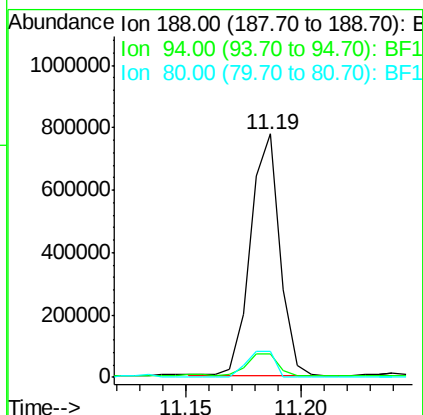
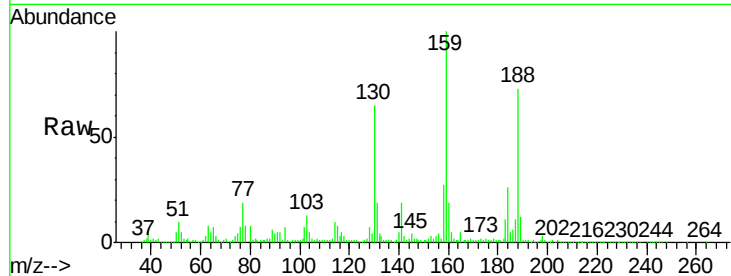




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. 0.02 min
Lab File: BF114908.D
Acq: 7 Jun 2019 23:39

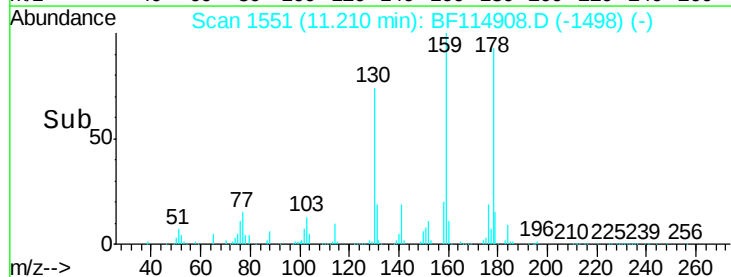
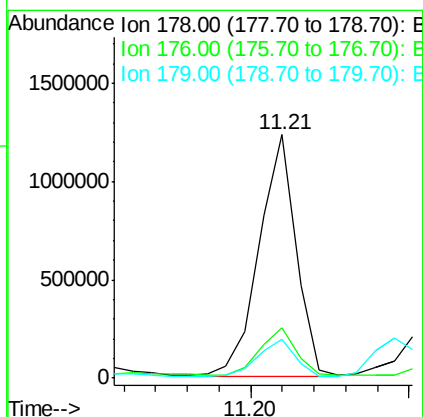
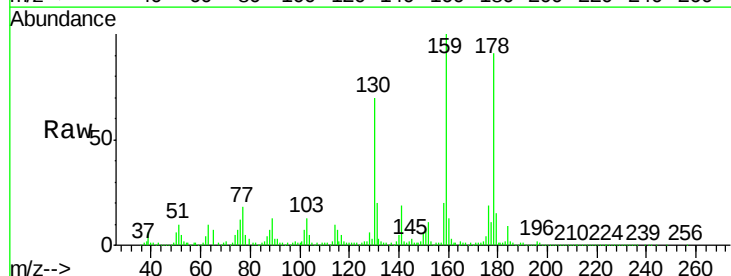
Instrument :
BNA_F
ClientSampleId :
MW-1A

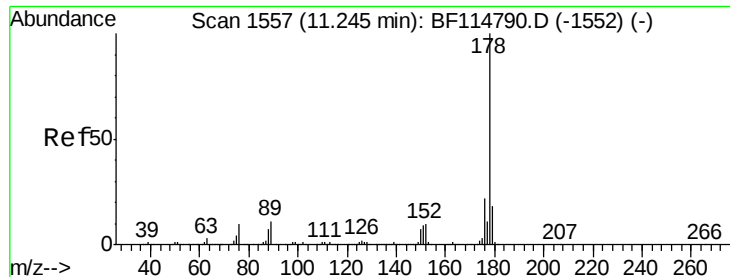
Tot Ion:188 Resp: 686536
Ion Ratio Lower Upper
188 100
94 9.7 7.6 11.4
80 10.7 8.3 12.5



#71
Phenanthrene
Concen: 30.518 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.01 min
Lab File: BF114908.D
Acq: 7 Jun 2019 23:39

Tgt Ion:178 Resp: 1000226
Ion Ratio Lower Upper
178 100
176 20.7 17.7 26.5
179 16.0 13.7 20.5

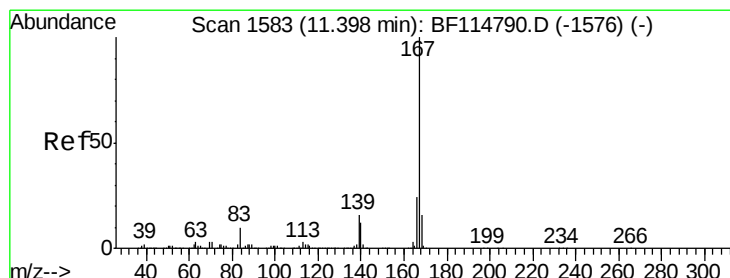
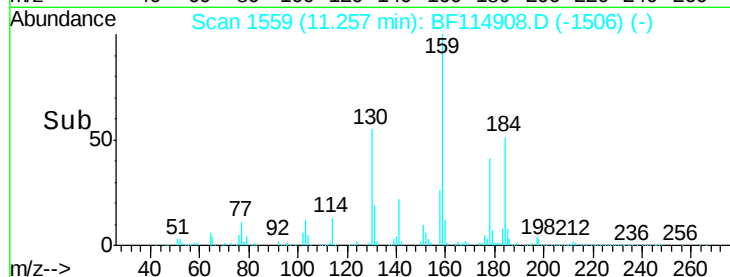
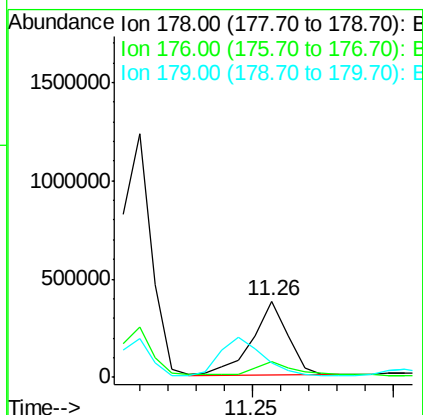
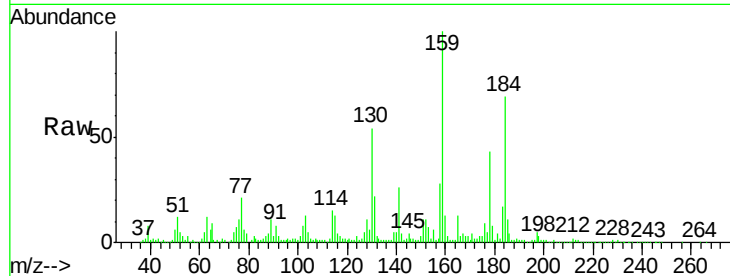




#72
 Anthracene
 Concen: 9.603 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: BF114908.D
 Acq: 7 Jun 2019 23:39

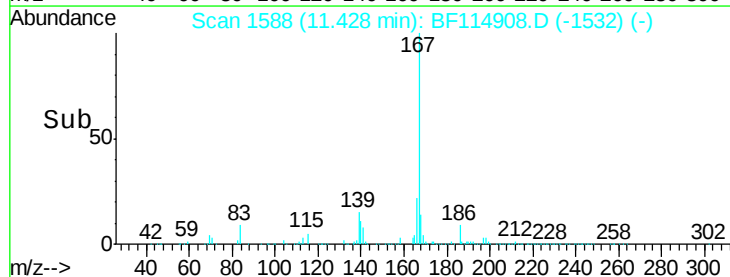
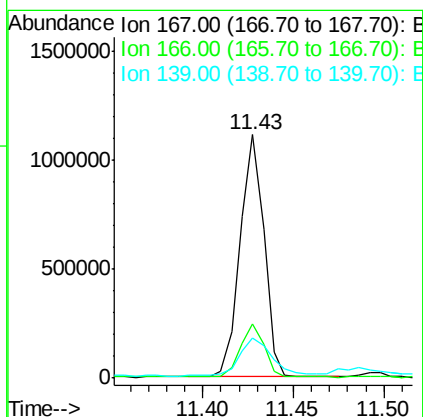
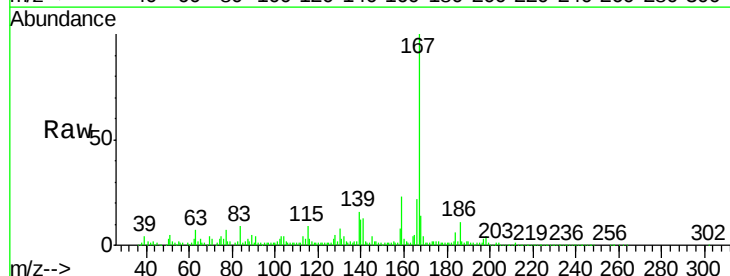
Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

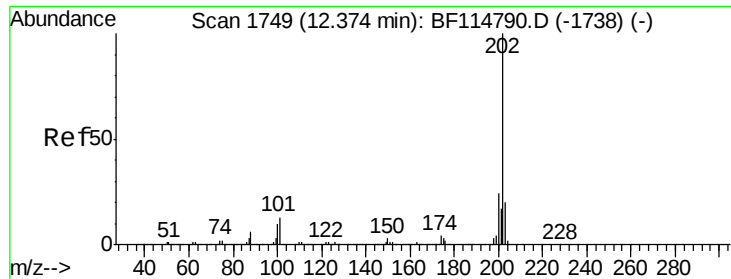
Tot Ion:178 Resp: 331234
 Ion Ratio Lower Upper
 178 100
 176 20.6 17.4 26.0
 179 19.6 14.2 21.4



#73
 Carbazole
 Concen: 34.445 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.03 min
 Lab File: BF114908.D
 Acq: 7 Jun 2019 23:39

Tgt Ion:167 Resp: 1018482
 Ion Ratio Lower Upper
 167 100
 166 22.4 19.1 28.7
 139 16.3 12.4 18.6





#75

Fluoranthene

Concen: 2.649 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

Instrument :

BNA_F

ClientSampleId :

MW-1A

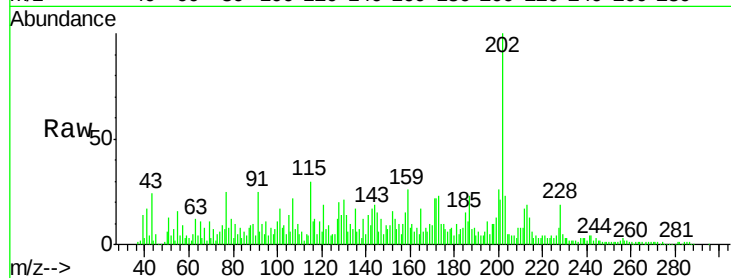
Tot Ion:202 Resp: 90350

Ion Ratio Lower Upper

202 100

101 17.0 0.0 32.8

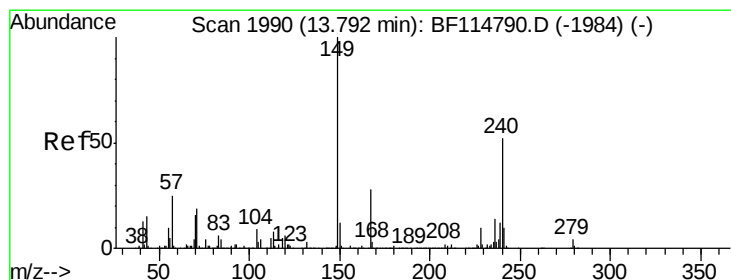
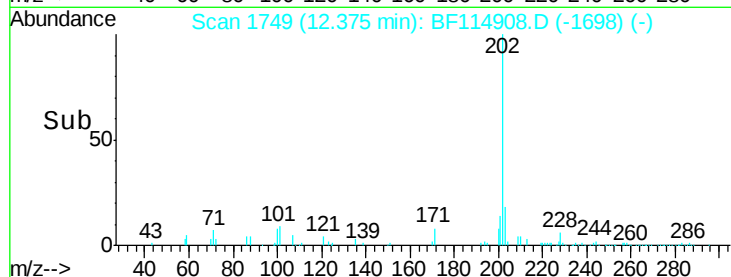
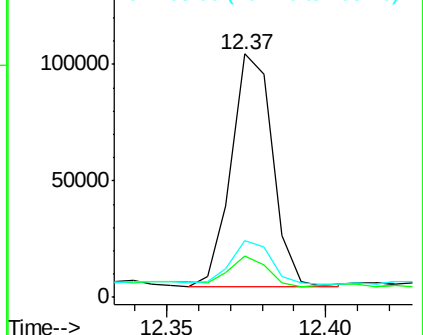
203 23.4 0.2 40.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

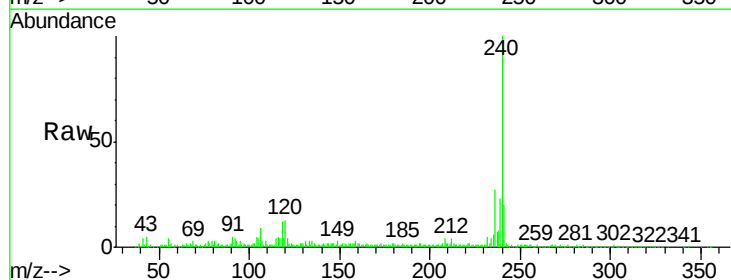
Tgt Ion:240 Resp: 585479

Ion Ratio Lower Upper

240 100

120 13.2 9.0 13.4

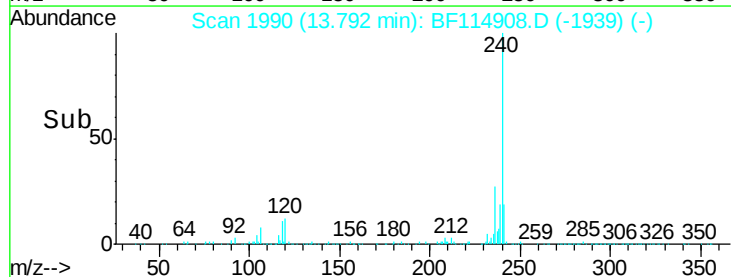
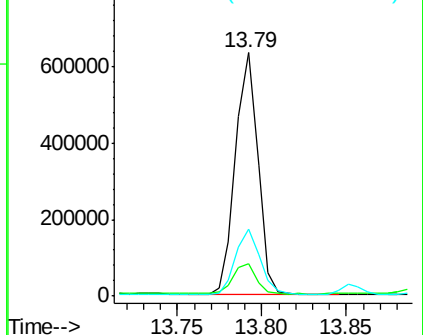
236 27.5 21.4 32.0

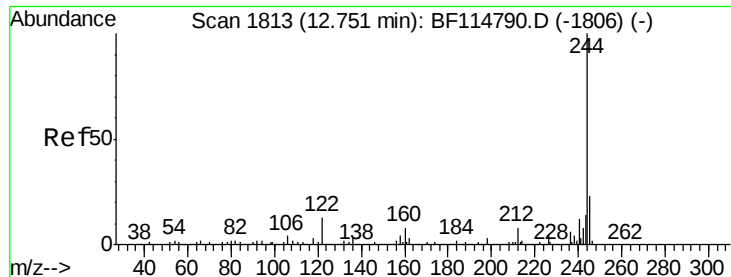


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 76.210 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

Instrument :

BNA_F

ClientSampleId :

MW-1A

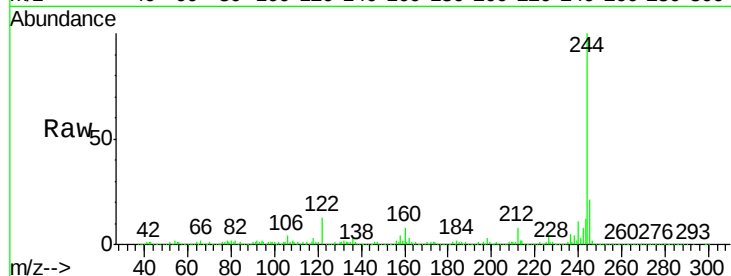
Tot Ion:244 Resp: 2294328

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

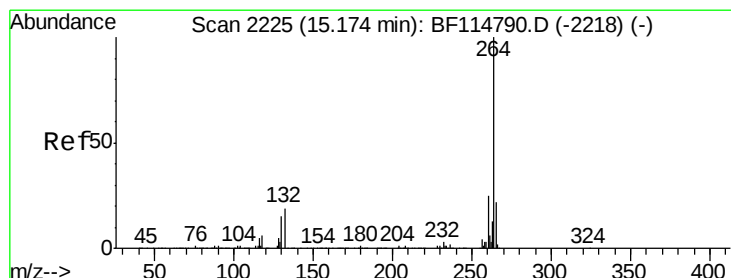
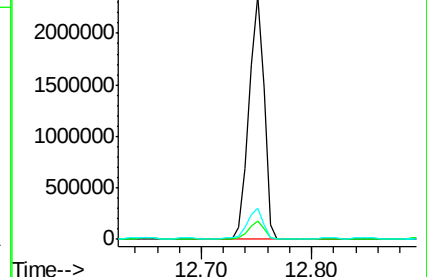
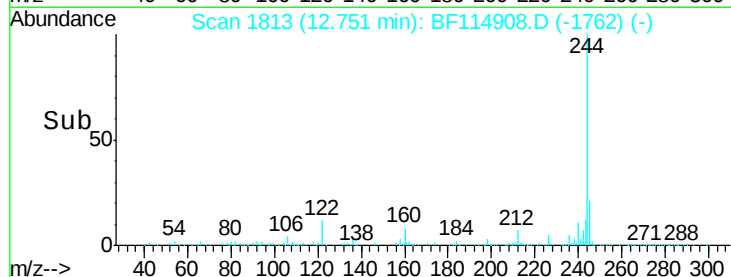
122 12.9 10.5 15.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF114908.D

Acq: 7 Jun 2019 23:39

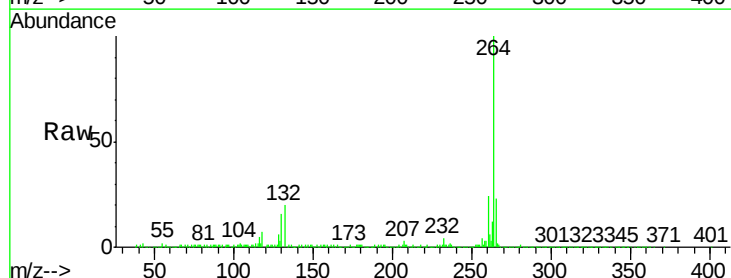
Tgt Ion:264 Resp: 703001

Ion Ratio Lower Upper

264 100

260 24.4 20.1 30.1

265 22.5 17.7 26.5



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

