

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121418\
 Data File : BF111445.D
 Acq On : 15 Dec 2018 3:54
 Operator : JU/SJ
 Sample : J6305-04 DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-SW004-01DL

Quant Time: Dec 15 04:50:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

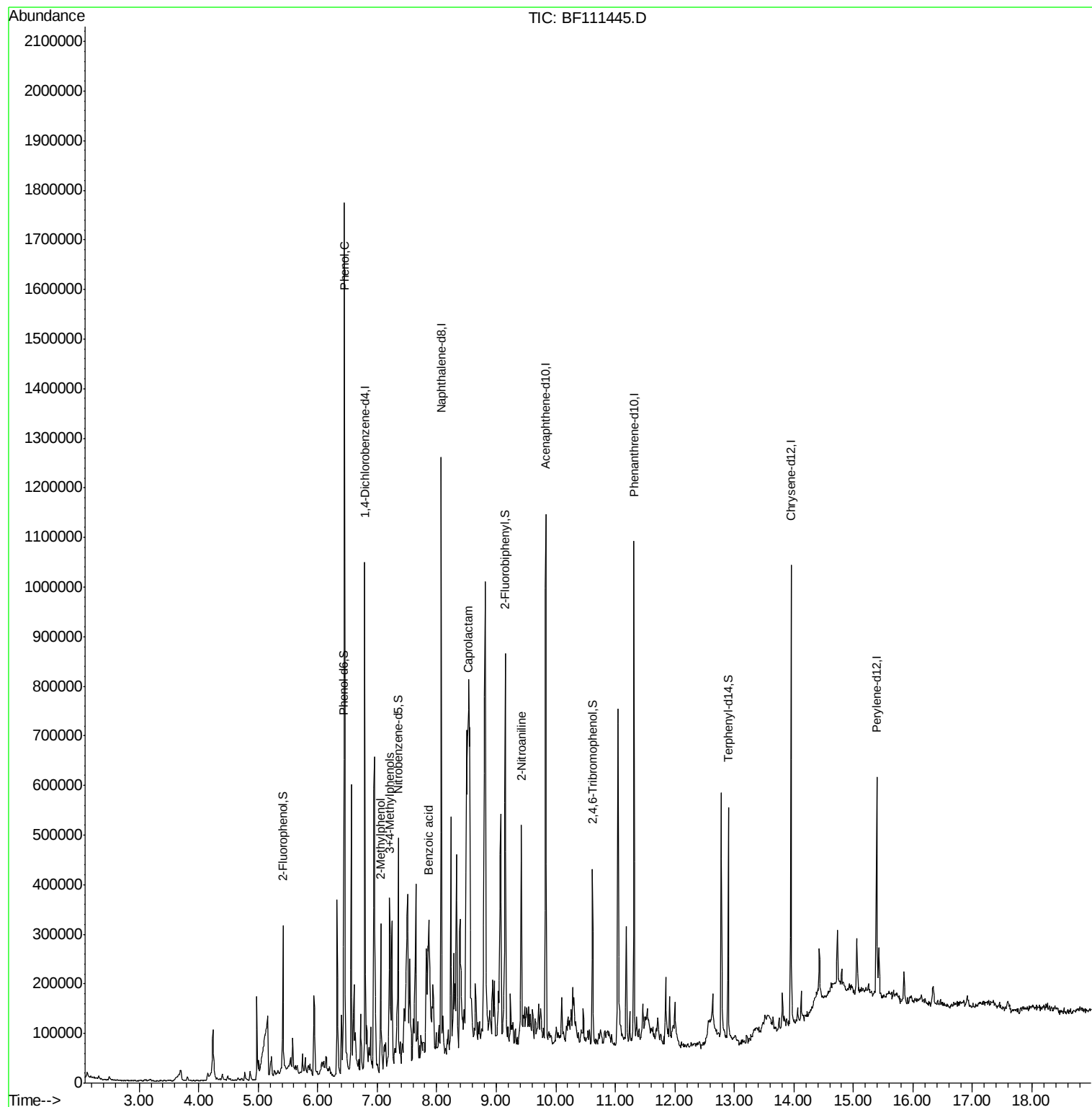
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	141798	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	513286	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	206837	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	351295	20.00	ng	0.00
76) Chrysene-d12	13.95	240	309223	20.00	ng	0.00
87) Perylene-d12	15.39	264	198344	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	84465	9.91	ng	0.00
7) Phenol-d6	6.43	99	61130	5.39	ng	0.00
23) Nitrobenzene-d5	7.35	82	120311	13.96	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	33193	17.91	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	210858	15.75	ng	0.00
79) Terphenyl-d14	12.90	244	152111	11.55	ng	0.00
Target Compounds						
10) Phenol	6.45	94	580059	45.940	ng	93
17) 2-Methylphenol	7.06	107	51869	6.330	ng	95
20) 3+4-Methylphenols	7.21	107	69985	6.809	ng	# 61
32) Benzoic acid	7.87	122	153831	26.928	ng	# 68
35) Caprolactam	8.52	113	150613	57.484	ng	98
48) 2-Nitroaniline	9.42	65	20036	4.632	ng	# 27

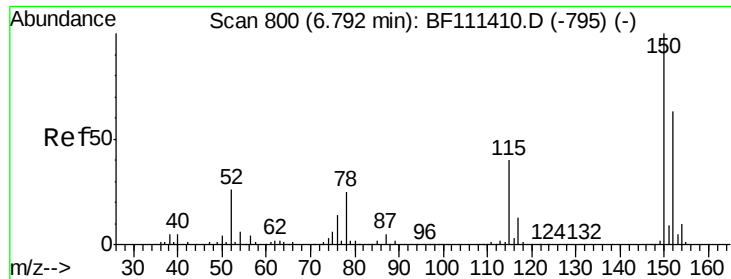
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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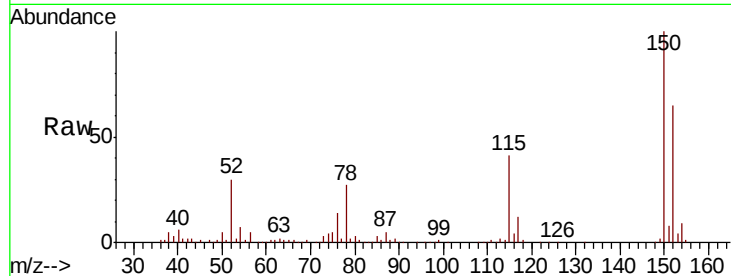


#1

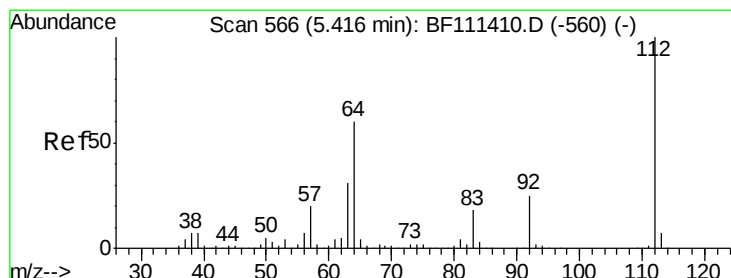
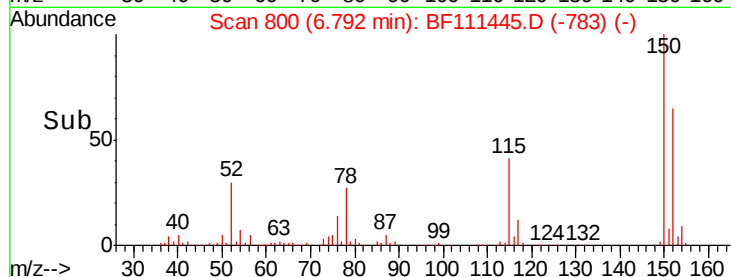
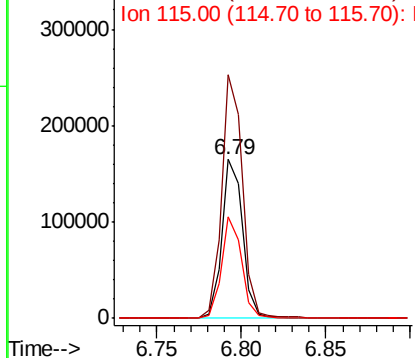
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111445.D
Acq: 15 Dec 2018 3:54

Instrument :
BNA_G
ClientSampleId :
P001-SW004-01DL

Tgt Ion:152 Resp: 141798
Ion Ratio Lower Upper
152 100
150 153.1 126.6 189.8
115 63.5 50.7 76.1



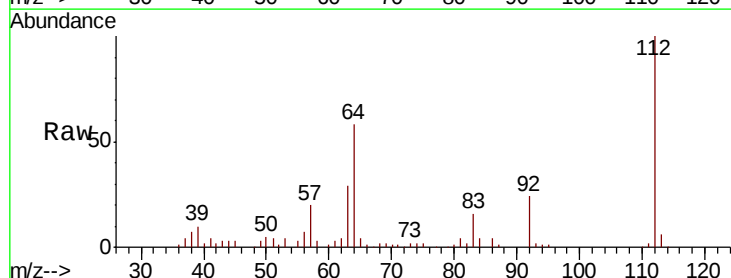
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



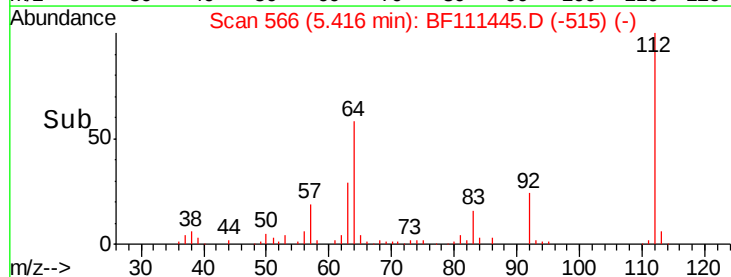
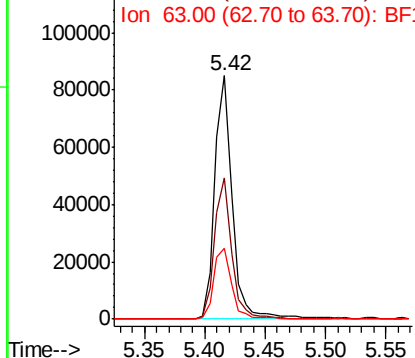
#5

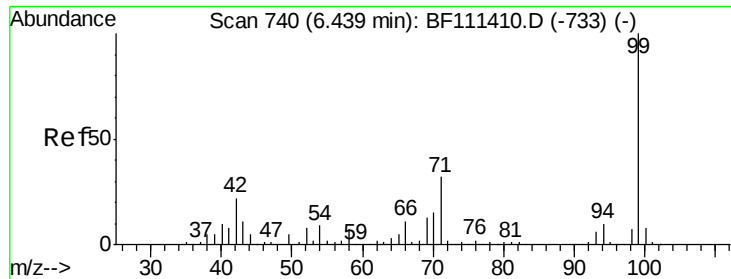
2-Fluorophenol
Concen: 9.912 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF111445.D
Acq: 15 Dec 2018 3:54

Tgt Ion:112 Resp: 84465
Ion Ratio Lower Upper
112 100
64 57.9 51.8 77.6
63 28.8 26.8 40.2



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: 5.393 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

Instrument :

BNA_G

ClientSampleId :

P001-SW004-01DL

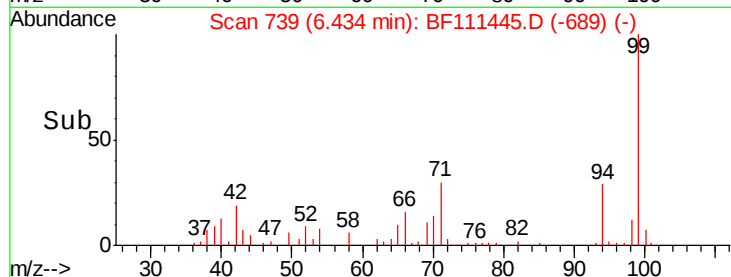
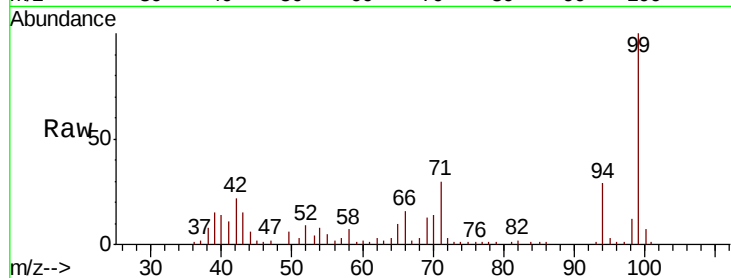
Tgt Ion: 99 Resp: 61130

Ion Ratio Lower Upper

99 100

42 21.8 17.4 26.0

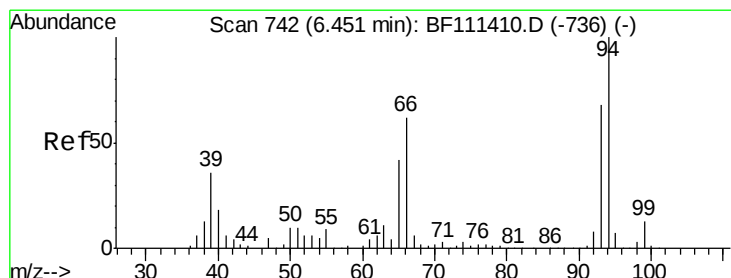
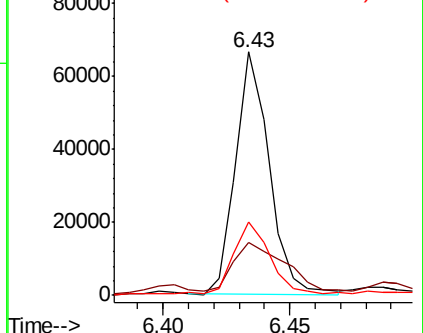
71 30.3 26.1 39.1



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: 45.940 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

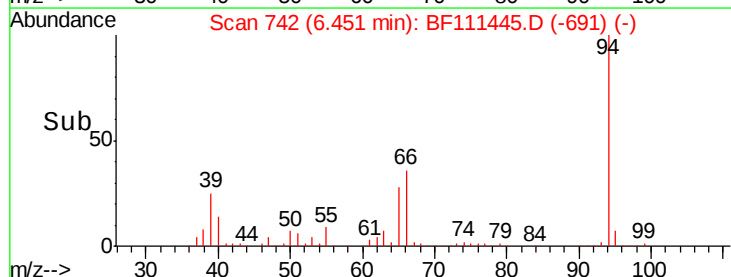
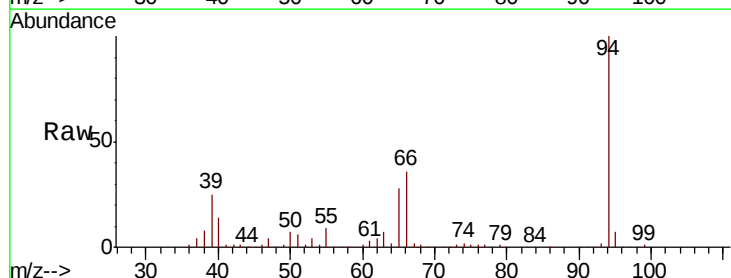
Tgt Ion: 94 Resp: 580059

Ion Ratio Lower Upper

94 100

65 28.4 11.7 51.7

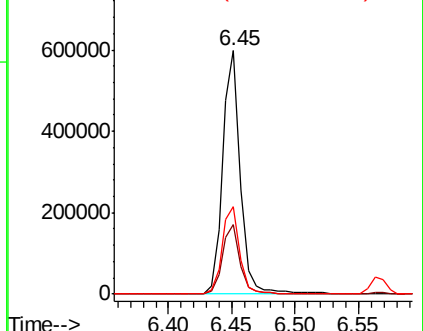
66 36.0 21.0 61.0

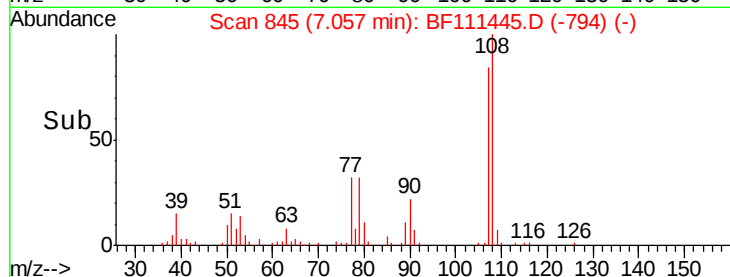
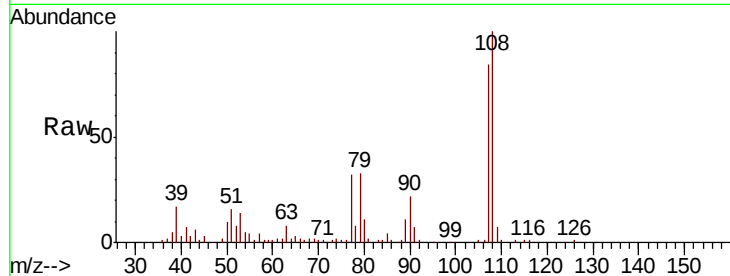
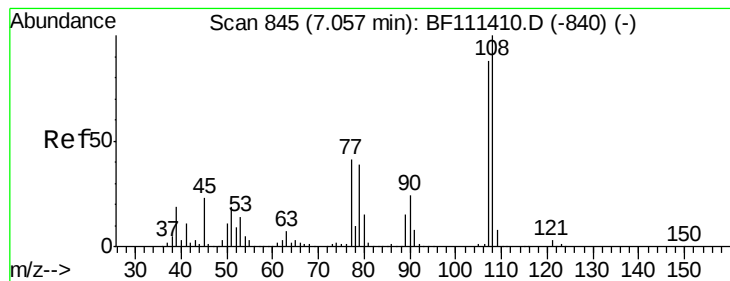


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#17

2-Methylphenol

Concen: 6.330 ng

RT: 7.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

Instrument :

BNA_G

ClientSampleId :

P001-SW004-01DL

Tgt Ion:107 Resp: 51869

Ion Ratio Lower Upper

107 100

108 119.7 91.0 136.4

77 38.5 33.5 50.3

79 39.5 33.3 49.9

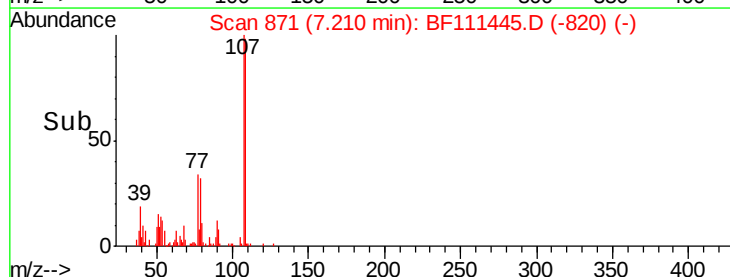
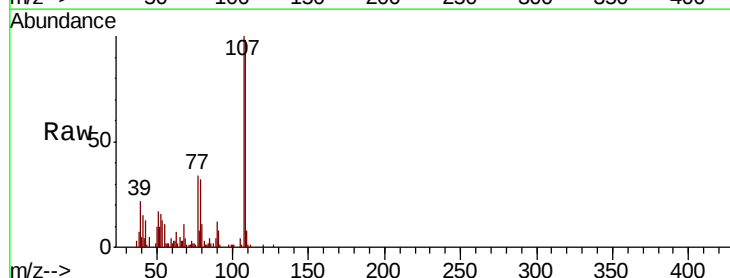
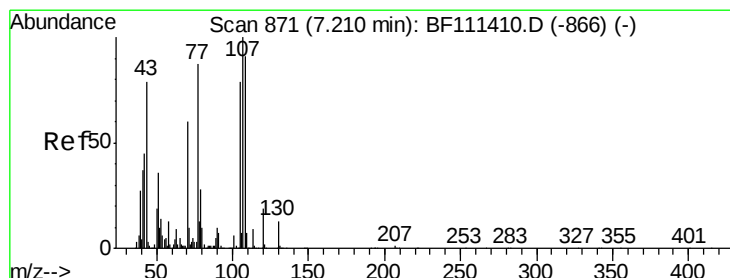
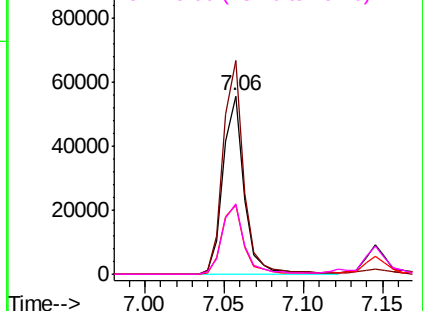
Abundance

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: 6.809 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

Tgt Ion:107 Resp: 69985

Ion Ratio Lower Upper

107 100

108 97.9 72.1 112.1

77 33.7 94.1 134.1#

79 32.1 9.8 49.8

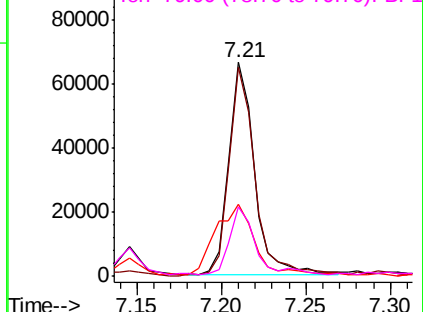
Abundance

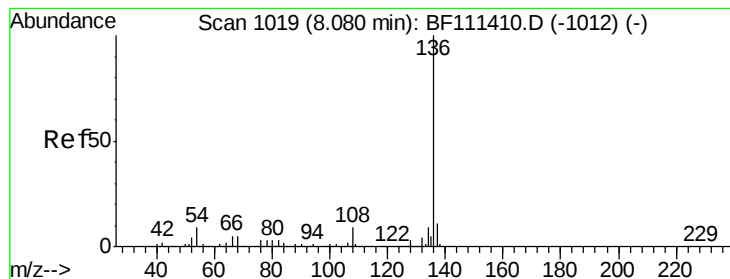
Ion 107.00 (106.70 to 107.70): E

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

Instrument :

BNA_G

ClientSampleId :

P001-SW004-01DL

Tgt Ion:136 Resp: 513286

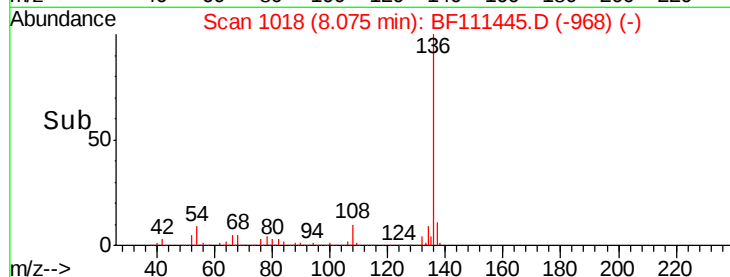
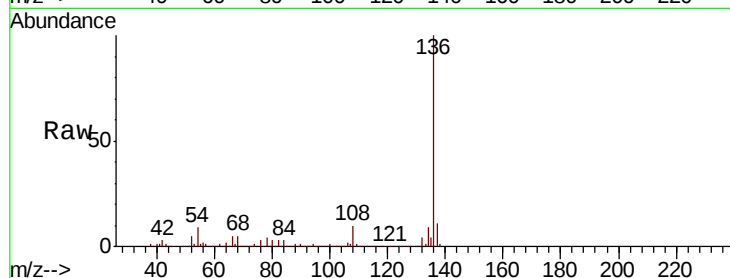
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.5 7.7 11.5

68 5.4 4.9 7.3

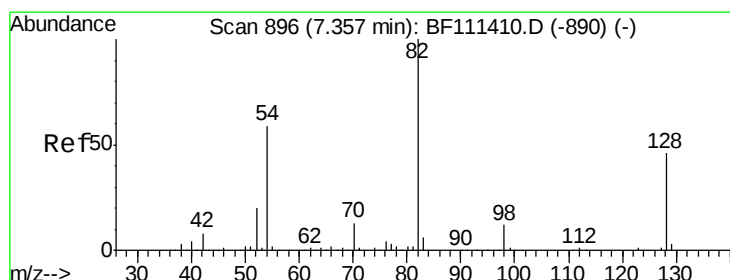
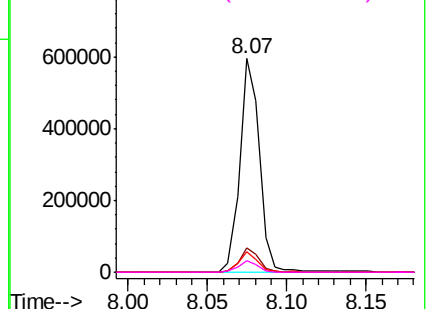


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.958 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

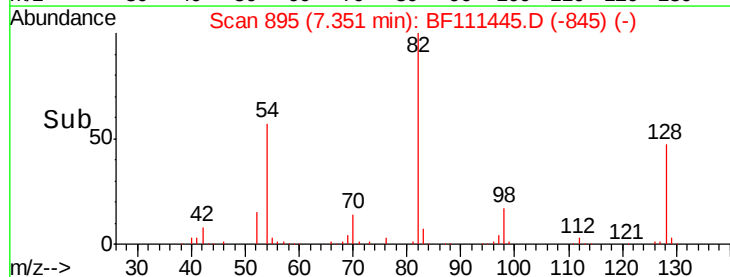
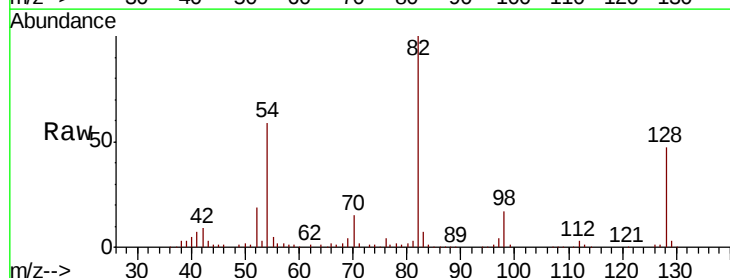
Tgt Ion: 82 Resp: 120311

Ion Ratio Lower Upper

82 100

128 46.9 37.4 56.2

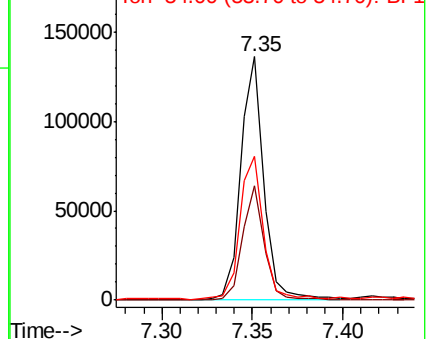
54 59.3 47.6 71.4

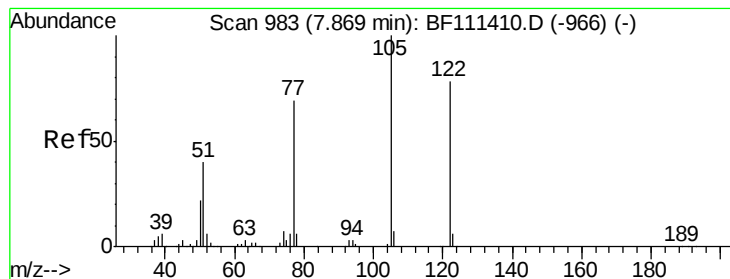


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 26.928 ng

RT: 7.87 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

Instrument :

BNA_G

ClientSampleId :

P001-SW004-01DL

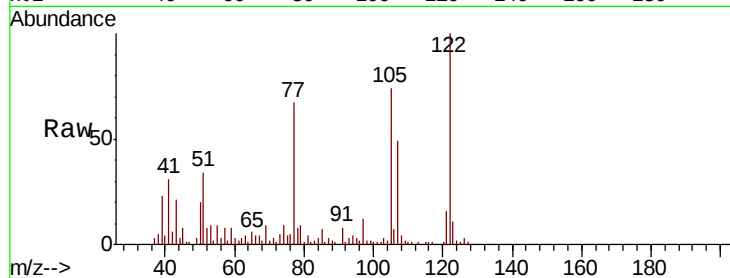
Tgt Ion:122 Resp: 153831

Ion Ratio Lower Upper

122 100

105 73.9 97.0 137.0#

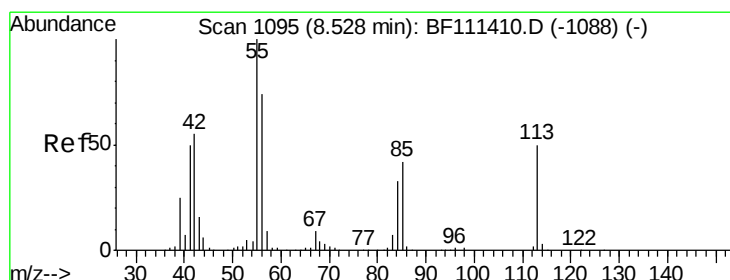
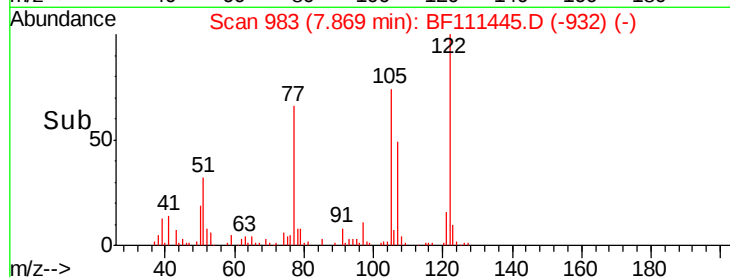
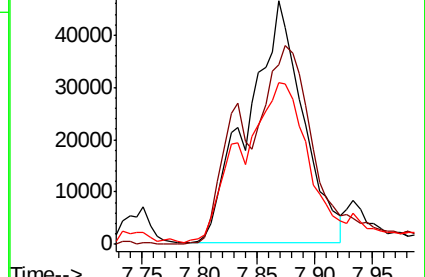
77 66.6 65.7 105.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#35

Caprolactam

Concen: 57.484 ng

RT: 8.52 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

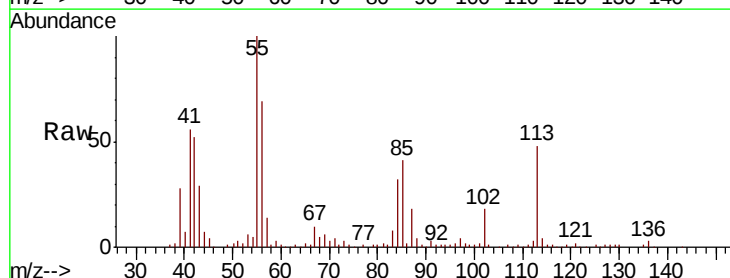
Tgt Ion:113 Resp: 150613

Ion Ratio Lower Upper

113 100

55 206.3 184.1 224.1

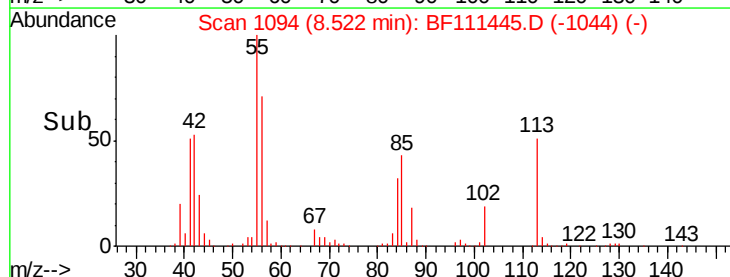
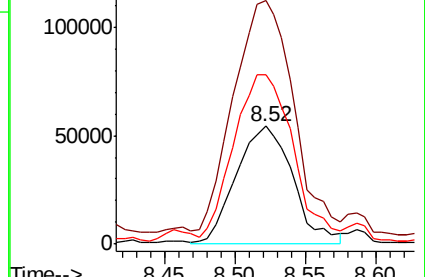
56 143.4 126.0 166.0

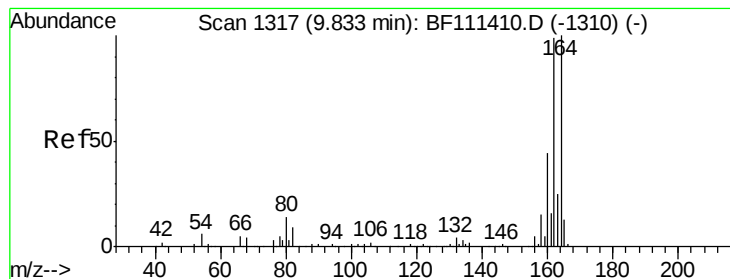


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

Instrument :

BNA_G

ClientSampleId :

P001-SW004-01DL

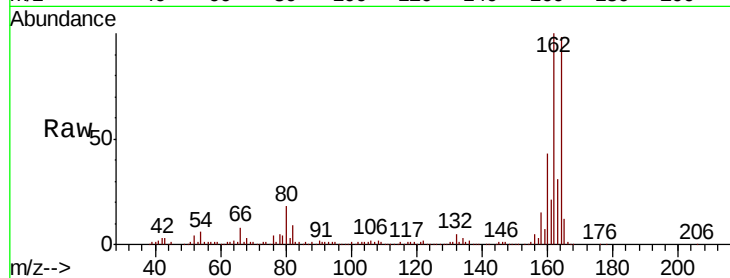
Tgt Ion:164 Resp: 206837

Ion Ratio Lower Upper

164 100

162 102.4 81.4 122.0

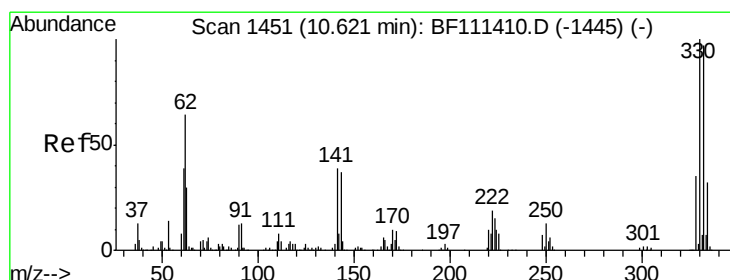
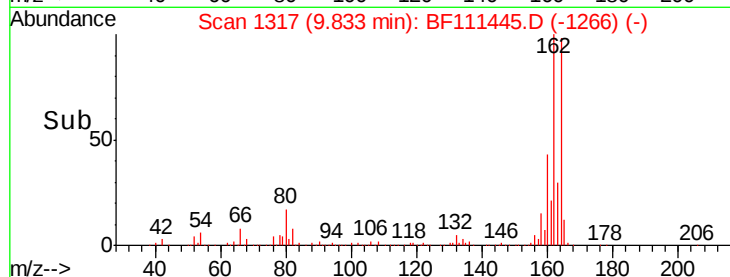
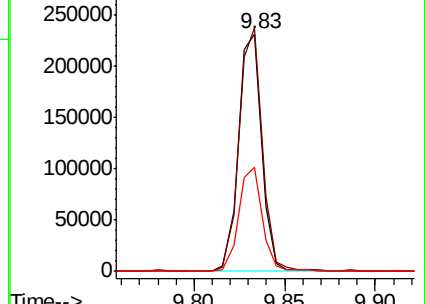
160 43.8 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 17.915 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

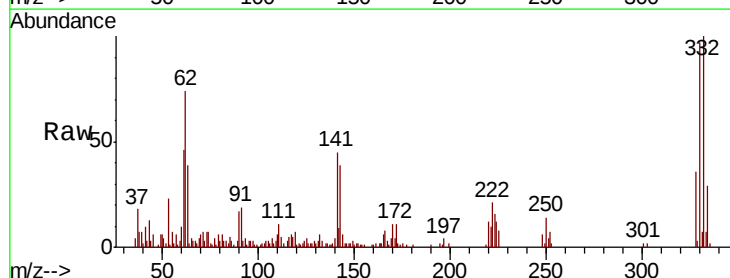
Tgt Ion:330 Resp: 33193

Ion Ratio Lower Upper

330 100

332 99.0 76.0 114.0

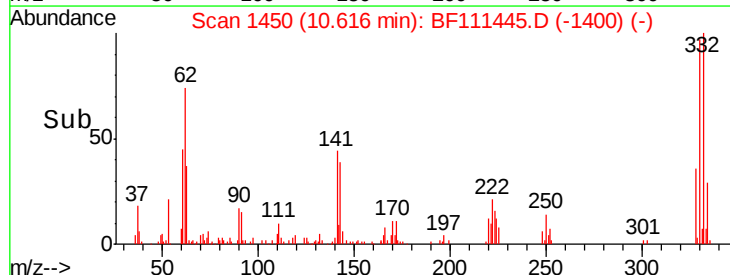
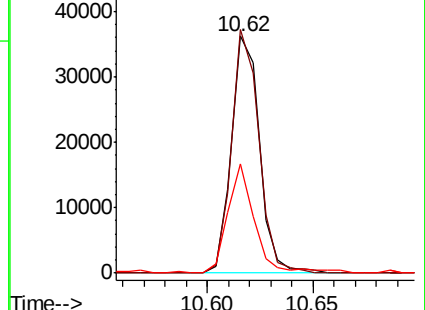
141 44.6 31.0 46.6

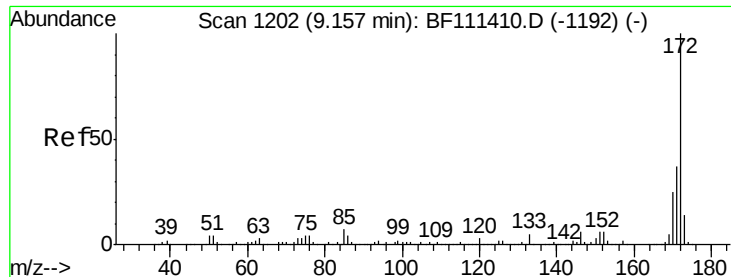


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

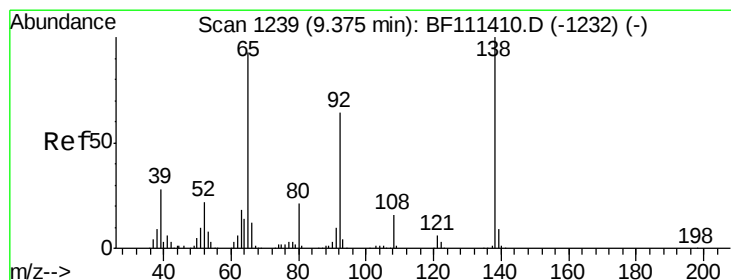
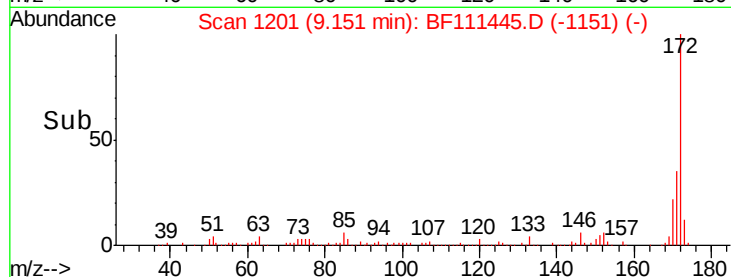
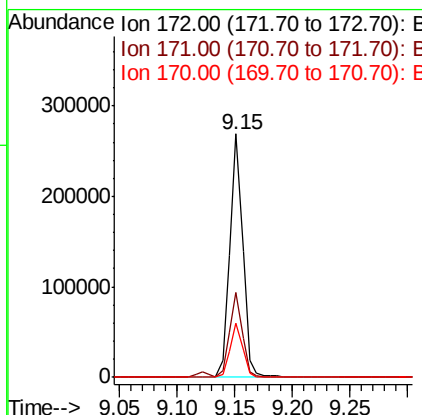
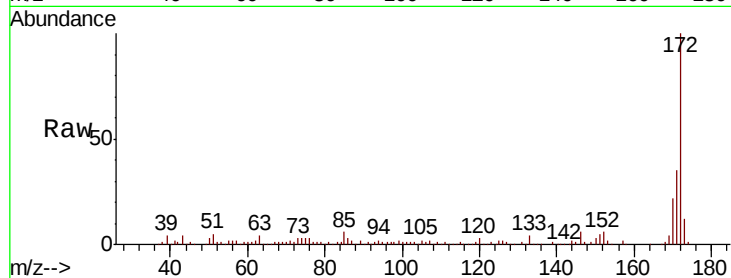




#45
 2-Fluorobiphenyl
 Concen: 15.747 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111445.D
 Acq: 15 Dec 2018 3:54

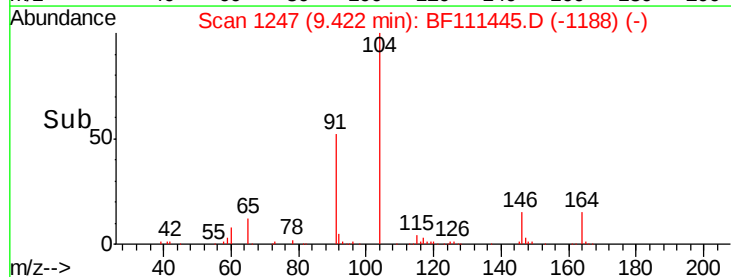
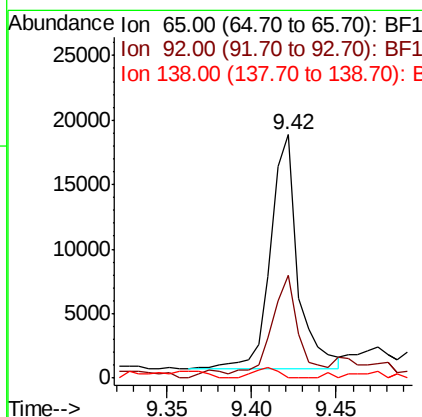
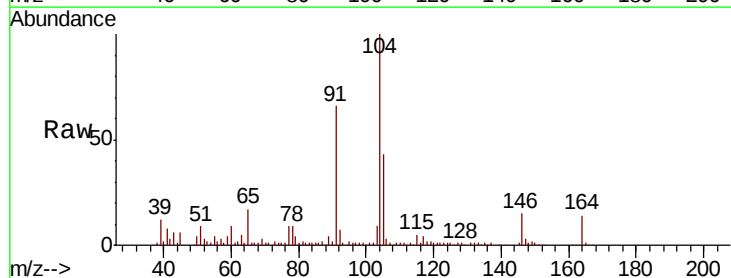
Instrument :
 BNA_G
 ClientSampleId :
 P001-SW004-01DL

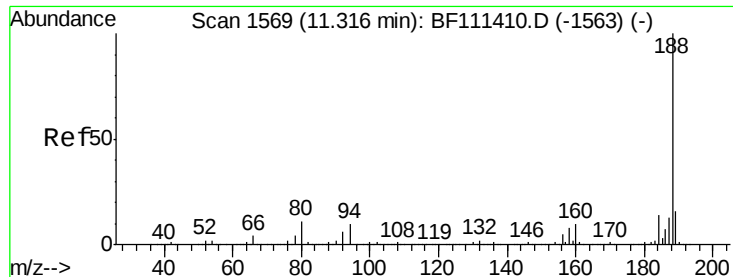
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	33.0	49.4
170	22.1	22.3	33.5#



#48
 2-Nitroaniline
 Concen: 4.632 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. 0.05 min
 Lab File: BF111445.D
 Acq: 15 Dec 2018 3:54

Tgt Ion	Ratio	Lower	Upper
65	100		
92	42.0	53.5	80.3#
138	0.0	80.9	121.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

Instrument :

BNA_G

ClientSampleId :

P001-SW004-01DL

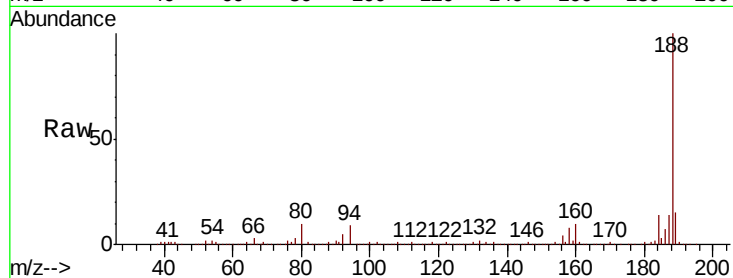
Tgt Ion:188 Resp: 351295

Ion Ratio Lower Upper

188 100

94 9.4 9.6 14.4#

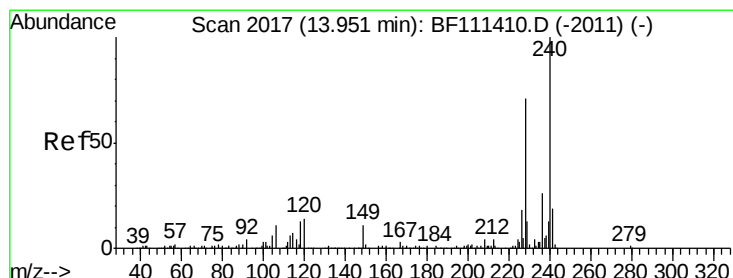
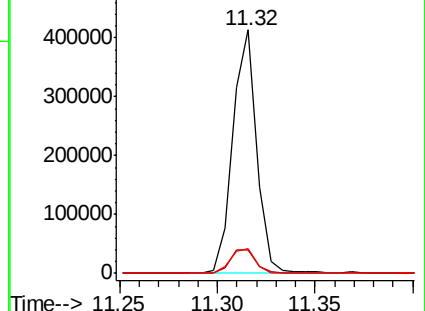
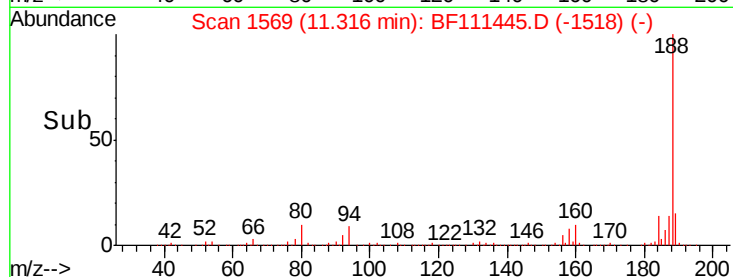
80 10.2 9.8 14.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

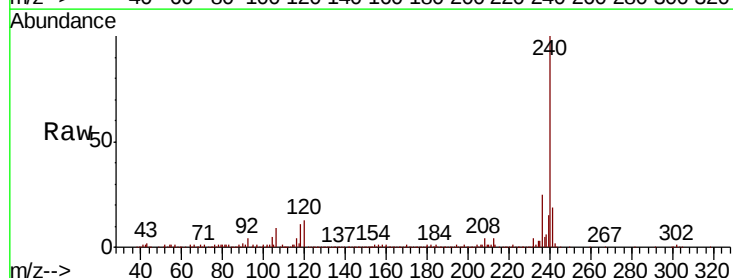
Tgt Ion:240 Resp: 309223

Ion Ratio Lower Upper

240 100

120 12.8 12.2 18.2

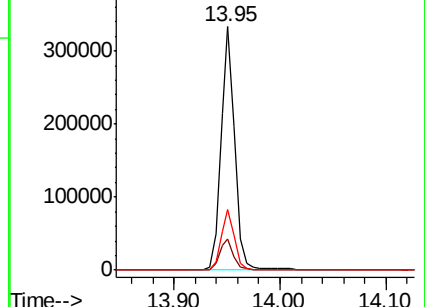
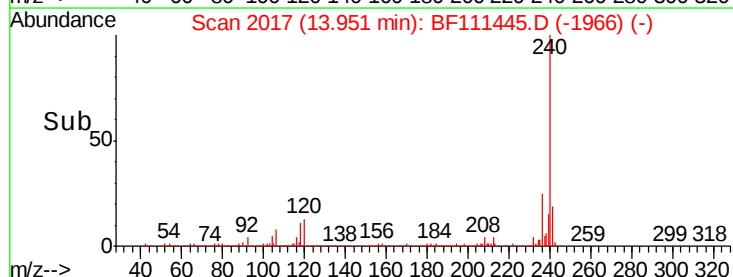
236 24.9 20.2 30.2

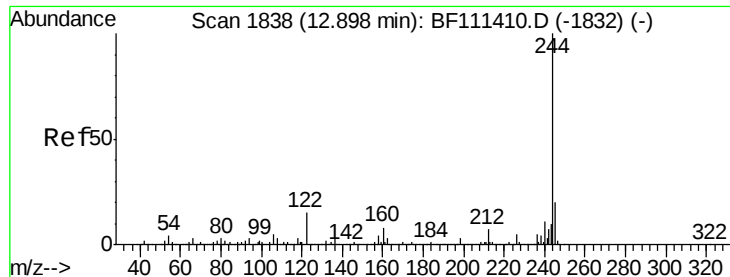


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 11.551 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

Instrument :

BNA_G

ClientSampleId :

P001-SW004-01DL

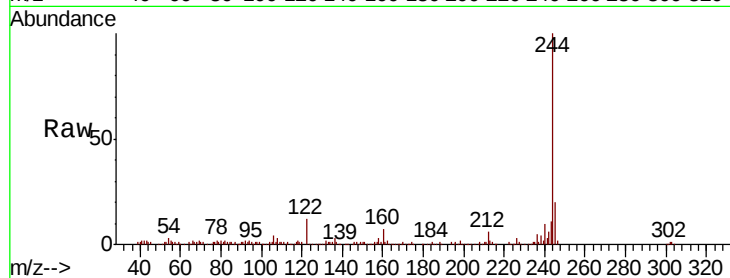
Tgt Ion:244 Resp: 152111

Ion Ratio Lower Upper

244 100

212 5.8 5.7 8.5

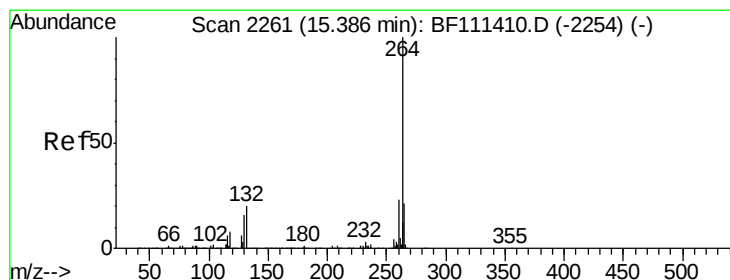
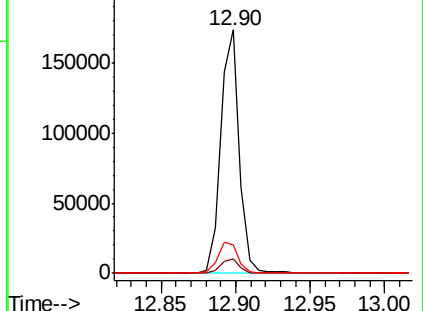
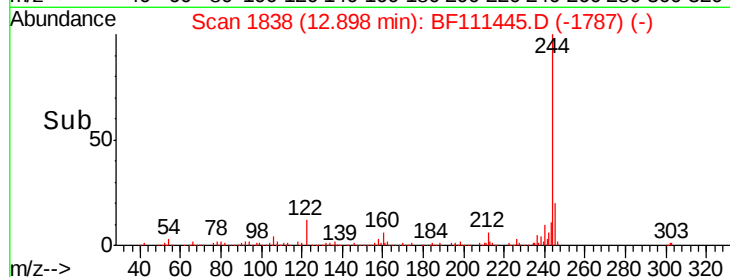
122 12.0 13.1 19.7#



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: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111445.D

Acq: 15 Dec 2018 3:54

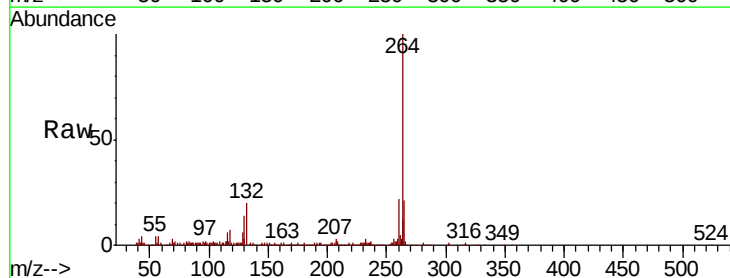
Tgt Ion:264 Resp: 198344

Ion Ratio Lower Upper

264 100

260 21.7 18.3 27.5

265 20.8 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

