

Data File : BF111447.D
Acq On : 15 Dec 2018 4:49
Operator : JU/SJ
Sample : J6305-08DL 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SW005-01DL

Quant Time: Dec 15 23:32:39 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	138084	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	521437	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	209908	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	323888	20.00	ng	0.00
76) Chrysene-d12	13.95	240	266462	20.00	ng	0.00
87) Perylene-d12	15.39	264	183228	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	23669	2.85	ng	0.00
7) Phenol-d6	6.43	99	18000	1.63	ng	0.00
23) Nitrobenzene-d5	7.35	82	39905	4.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	9549	5.08	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	74810	5.51	ng	0.00
79) Terphenyl-d14	12.90	244	53586	4.72	ng	0.00

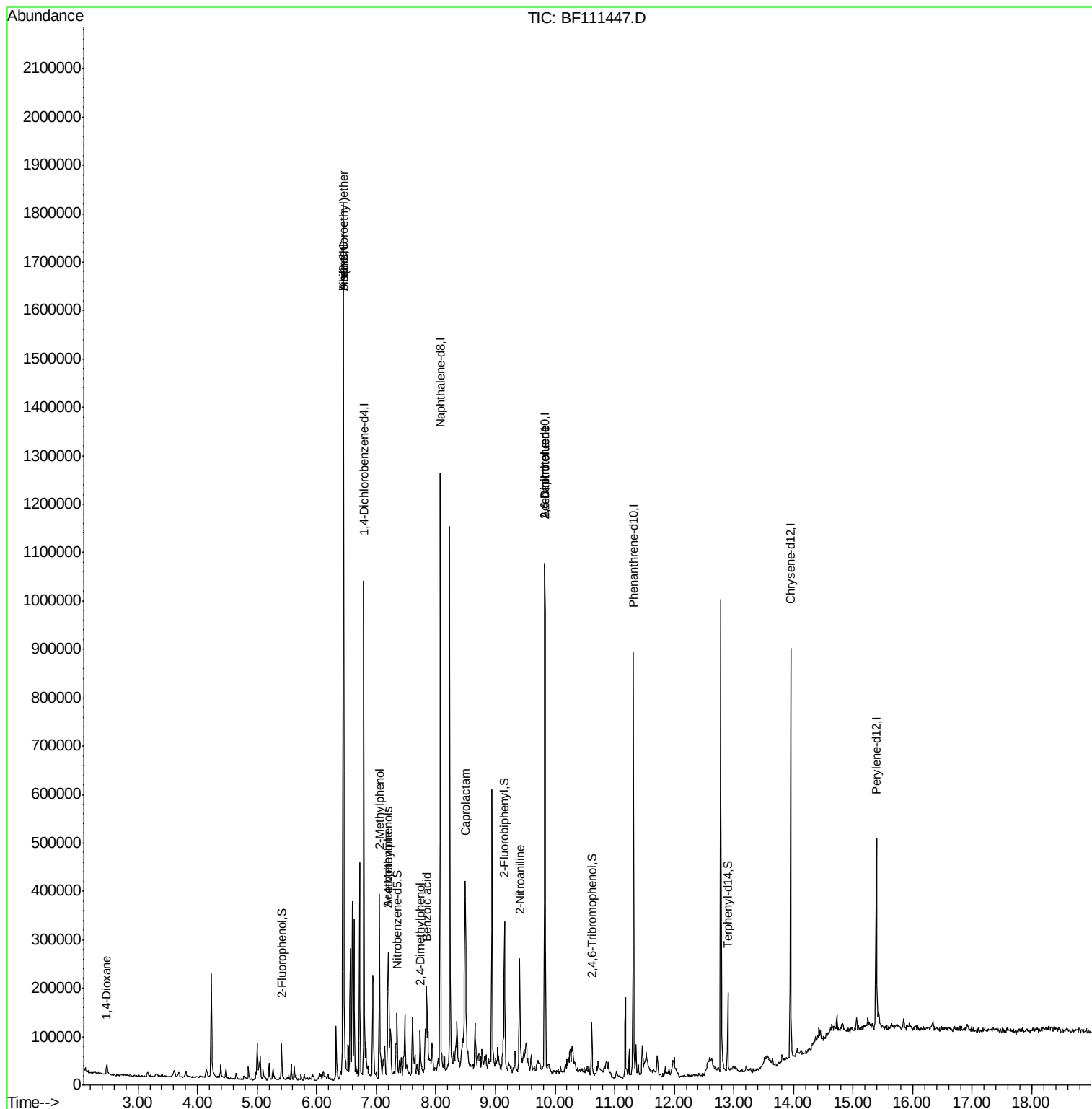
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.48	88	11470	2.862	ng	89
6) Aniline	6.45	93	141017	10.299	ng	# 1
10) Phenol	6.45	94	567286	46.136	ng	98
11) bis(2-Chloroethyl)ether	6.45	93	141017	14.630	ng	# 48
17) 2-Methylphenol	7.05	107	58436	7.323	ng	97
20) 3+4-Methylphenols	7.21	107	51475	5.143	ng	# 64
22) Acetophenone	7.20	105	50283	4.320	ng	# 90
27) 2,4-Dimethylphenol	7.73	122	16371	2.438	ng	96
32) Benzoic acid	7.85	122	50326	8.672	ng	# 51
35) Caprolactam	8.49	113	57211	21.494	ng	96
48) 2-Nitroaniline	9.40	65	12686	2.890	ng	# 28
51) 2,6-Dinitrotoluene	9.83	165	26764	7.865	ng	# 29
57) 2,4-Dinitrotoluene	9.83	165	26764	5.993	ng	# 25

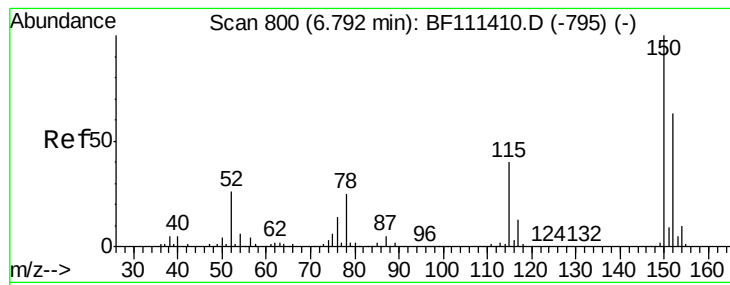
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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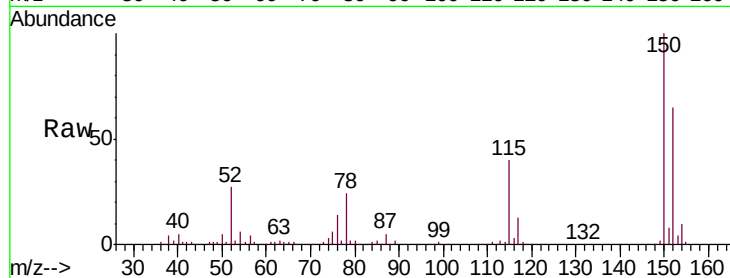


#1

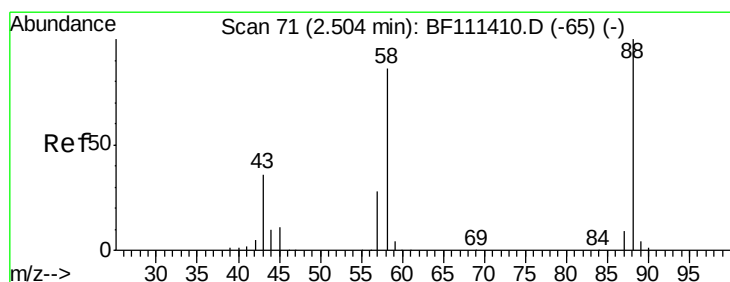
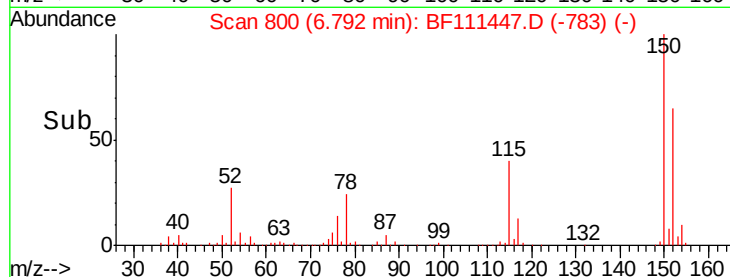
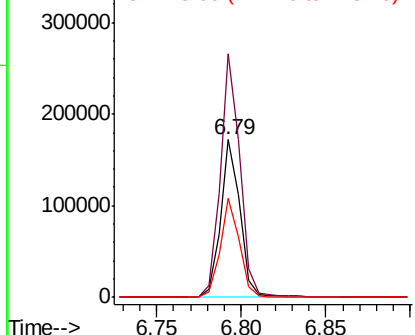
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111447.D
Acq: 15 Dec 2018 4:49

Instrument :
BNA_F
ClientSampleId :
P001-SW005-01DL

Tgt Ion:152 Resp: 138084
Ion Ratio Lower Upper
152 100
150 154.4 126.6 189.8
115 62.5 50.7 76.1



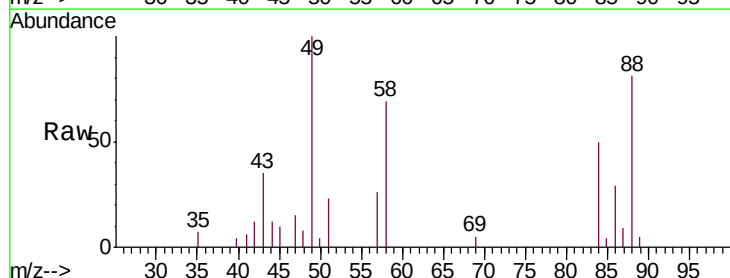
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



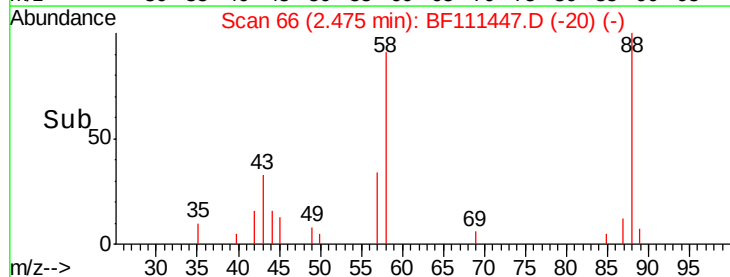
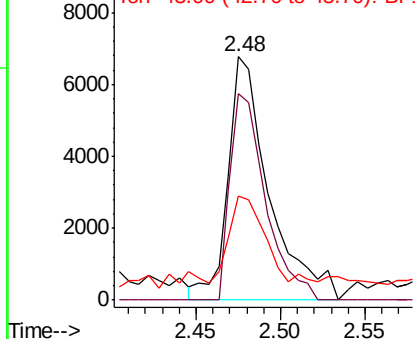
#2

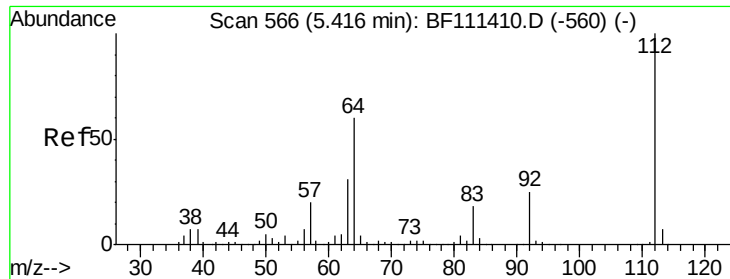
1,4-Dioxane
Concen: 2.862 ng
RT: 2.48 min Scan# 66
Delta R.T. -0.03 min
Lab File: BF111447.D
Acq: 15 Dec 2018 4:49

Tgt Ion: 88 Resp: 11470
Ion Ratio Lower Upper
88 100
58 73.1 68.9 103.3
43 30.8 25.8 38.6



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 2.852 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: BF111447.D

Acq: 15 Dec 2018 4:49

Instrument :

BNA_F

ClientSampleId :

P001-SW005-01DL

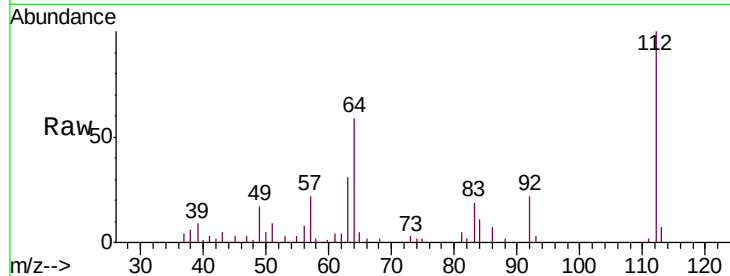
Tgt Ion: 112 Resp: 23669

Ion Ratio Lower Upper

112 100

64 59.3 51.8 77.6

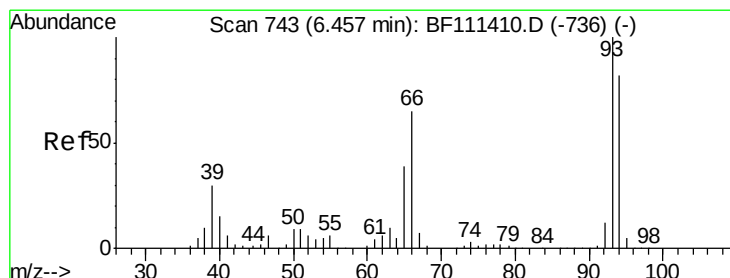
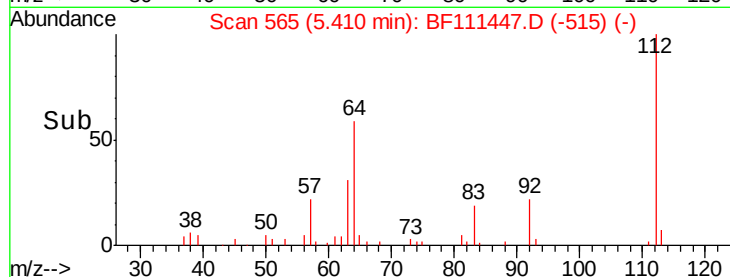
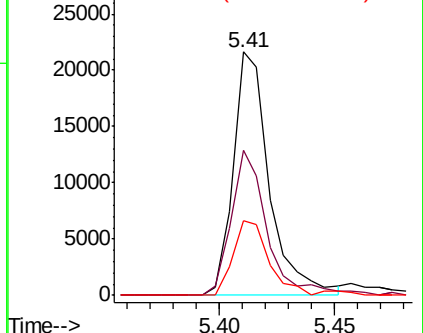
63 30.8 26.8 40.2



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



#6

Aniline

Concen: 10.299 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF111447.D

Acq: 15 Dec 2018 4:49

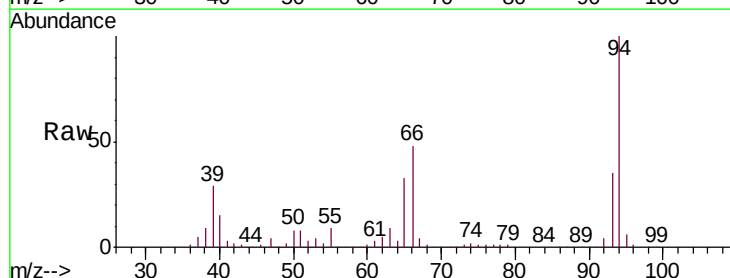
Tgt Ion: 93 Resp: 141017

Ion Ratio Lower Upper

93 100

66 136.8 33.2 49.8#

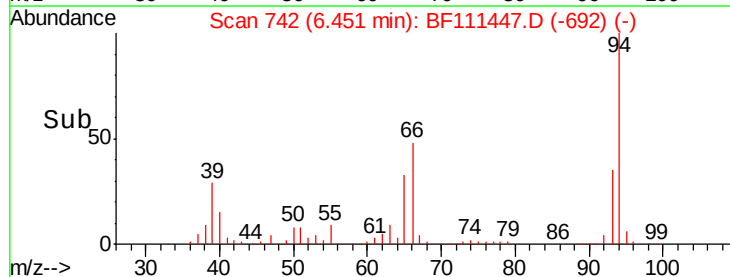
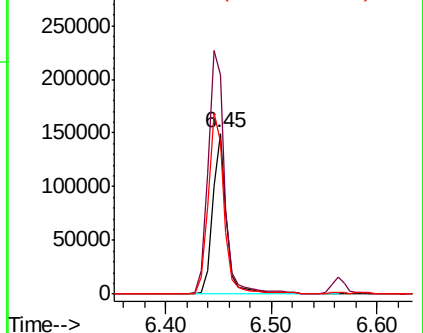
65 95.4 17.0 25.4#

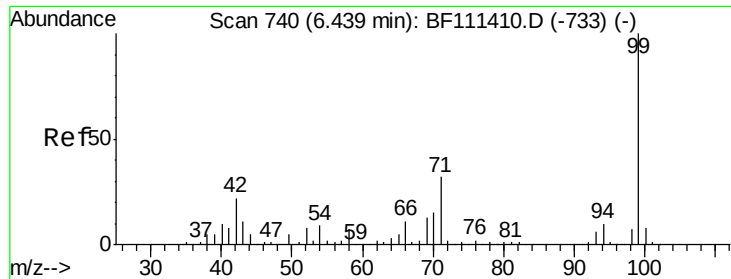


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 1.631 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111447.D

Acq: 15 Dec 2018 4:49

Instrument :

BNA_F

ClientSampleId :

P001-SW005-01DL

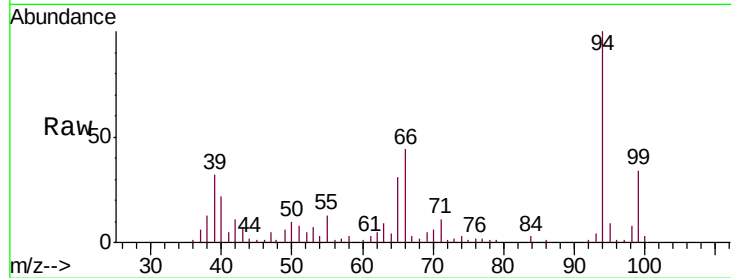
Tgt Ion: 99 Resp: 18000

Ion Ratio Lower Upper

99 100

42 31.3 17.4 26.0#

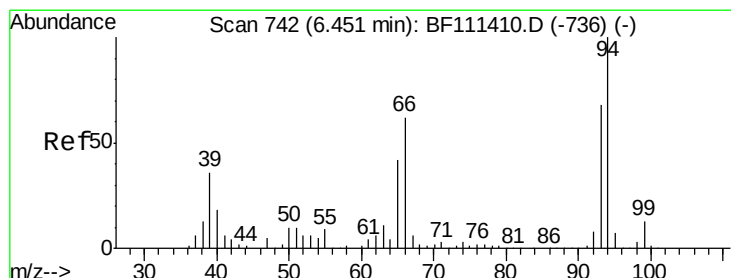
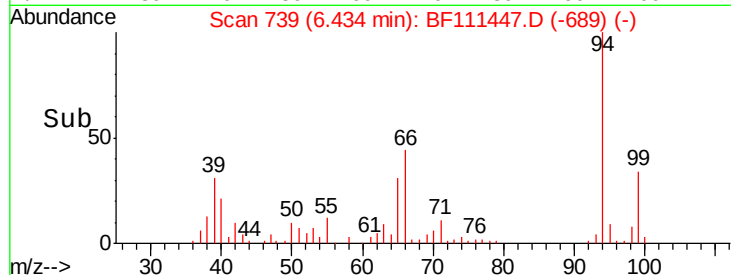
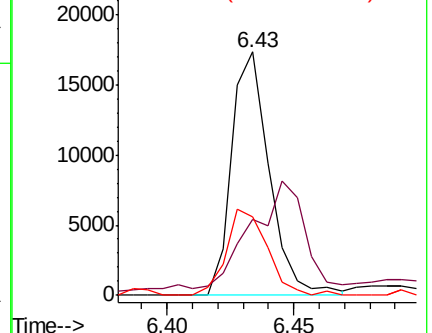
71 32.2 26.1 39.1



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: 46.136 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111447.D

Acq: 15 Dec 2018 4:49

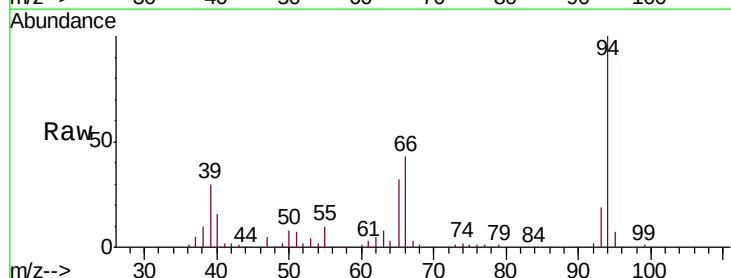
Tgt Ion: 94 Resp: 567286

Ion Ratio Lower Upper

94 100

65 32.0 11.7 51.7

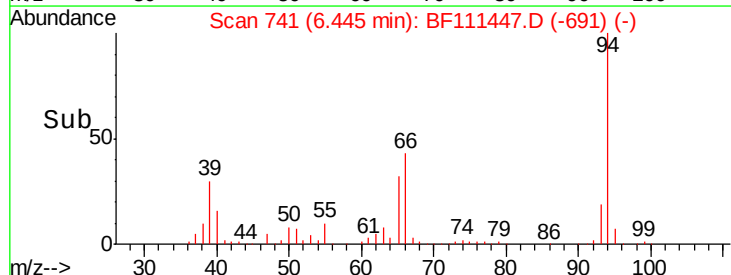
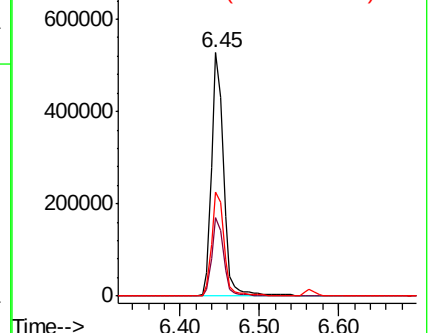
66 43.0 21.0 61.0

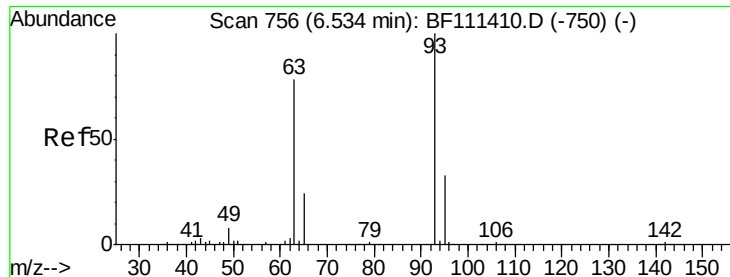


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 14.630 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.08 min

Lab File: BF111447.D

Acq: 15 Dec 2018 4:49

Instrument :

BNA_F

ClientSampleId :

P001-SW005-01DL

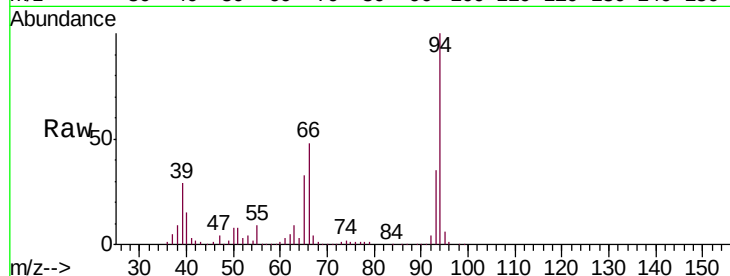
Tgt Ion: 93 Resp: 141017

Ion Ratio Lower Upper

93 100

63 25.3 60.0 100.0#

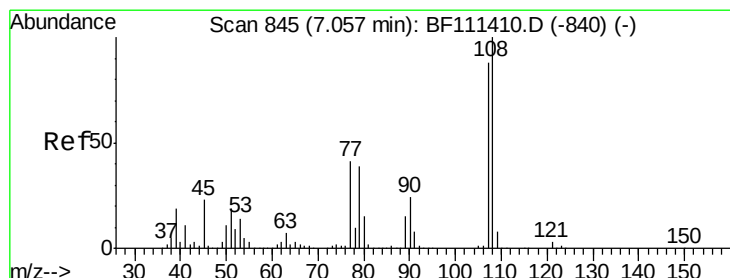
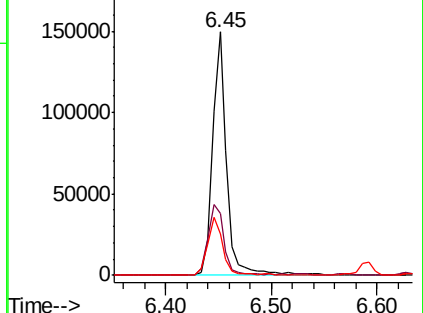
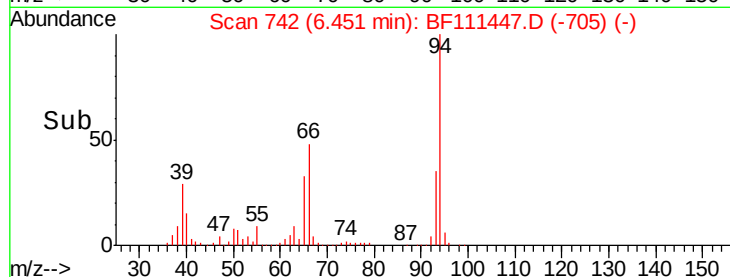
95 16.9 13.4 53.4



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#17

2-Methylphenol

Concen: 7.323 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF111447.D

Acq: 15 Dec 2018 4:49

Tgt Ion: 107 Resp: 58436

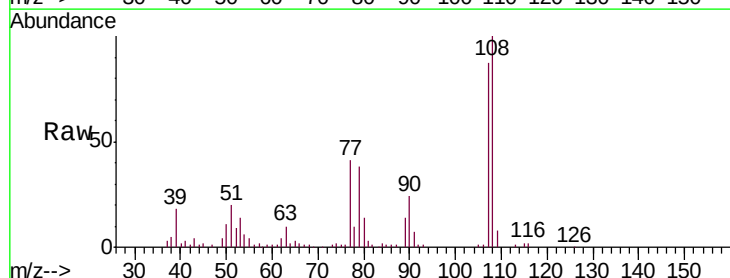
Ion Ratio Lower Upper

107 100

108 115.2 91.0 136.4

77 47.1 33.5 50.3

79 43.2 33.3 49.9

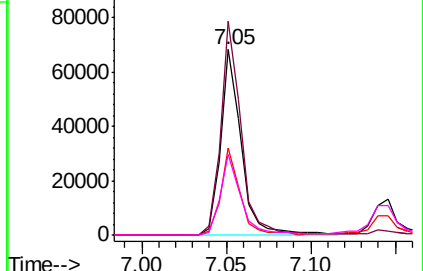
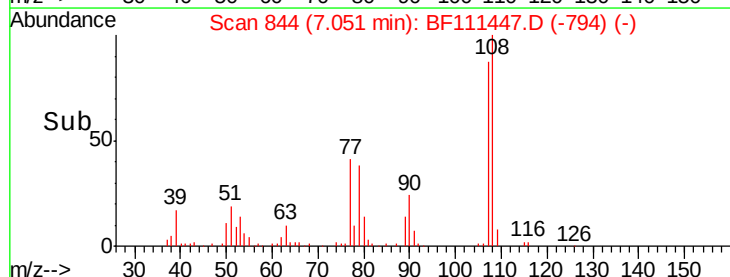


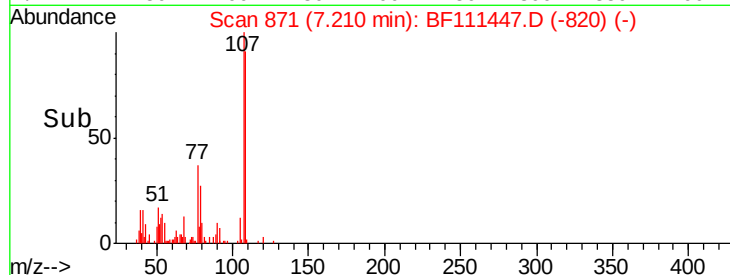
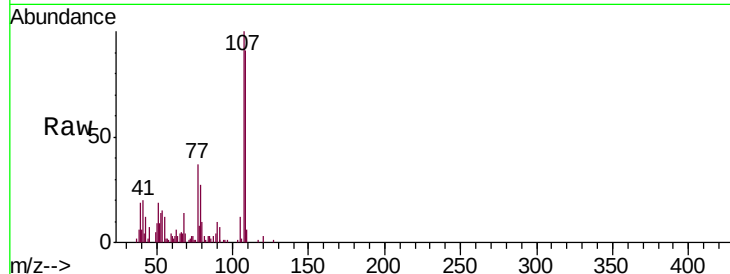
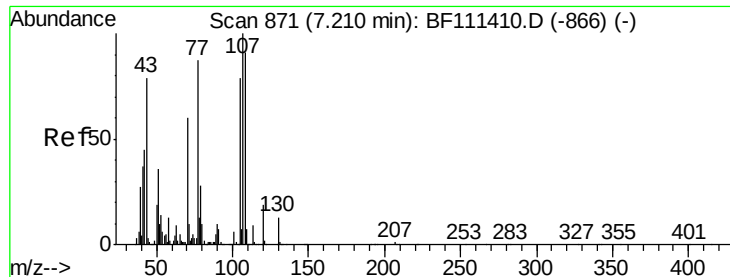
Abundance Ion 107.00 (106.70 to 107.70): E

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

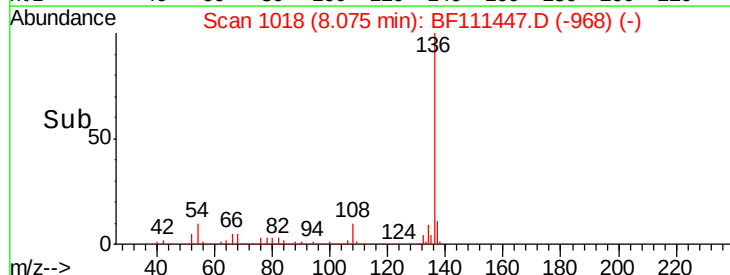
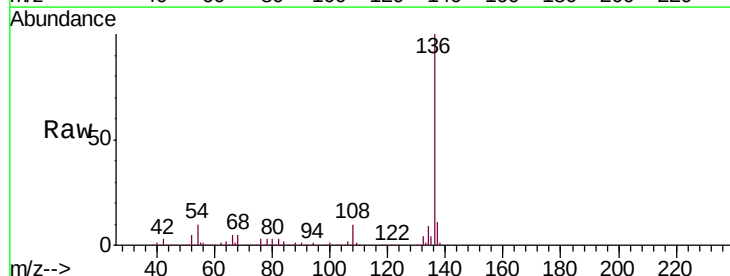
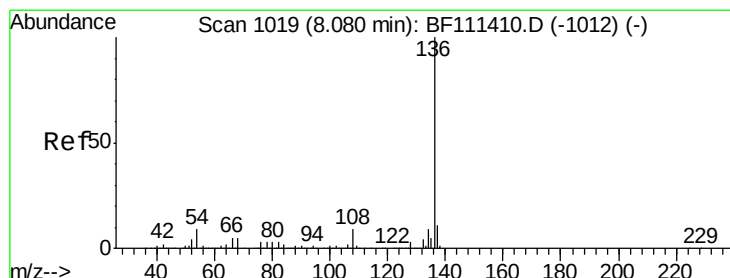
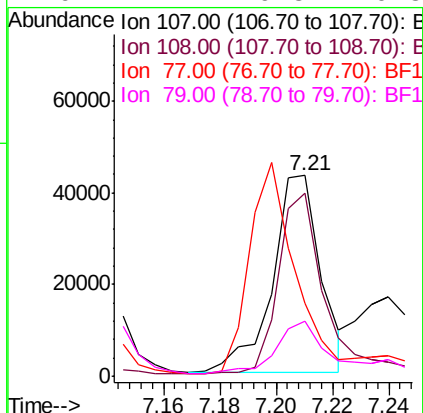




#20
3+4-Methylphenols
Concen: 5.143 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF111447.D
Acq: 15 Dec 2018 4:49

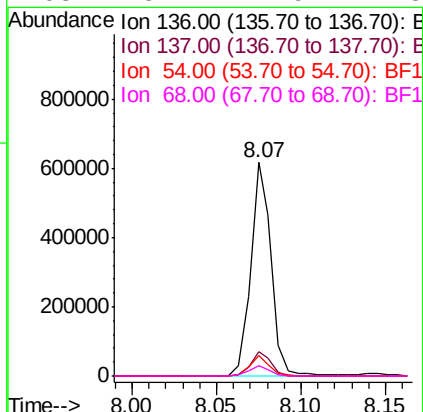
Instrument :
BNA_F
ClientSampleId :
P001-SW005-01DL

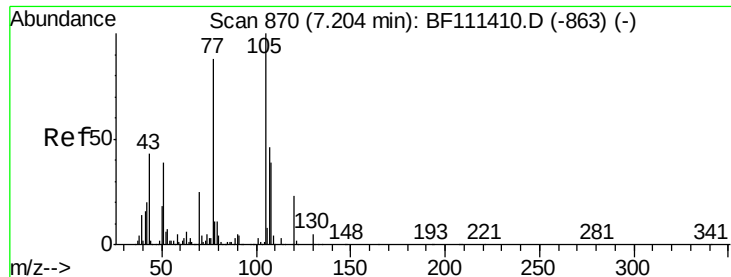
Tgt Ion:	107	Resp:	51475
Ion	Ratio	Lower	Upper
107	100		
108	91.4	72.1	112.1
77	36.6	94.1	134.1#
79	27.2	9.8	49.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111447.D
Acq: 15 Dec 2018 4:49

Tgt Ion:	136	Resp:	521437
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.8	7.7	11.5
68	5.1	4.9	7.3





#22

Acetophenone

Concen: 4.320 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.01 min

Lab File: BF111447.D

Acq: 15 Dec 2018 4:49

Instrument :

BNA_F

ClientSampleId :

P001-SW005-01DL

Tgt Ion: 105 Resp: 50283

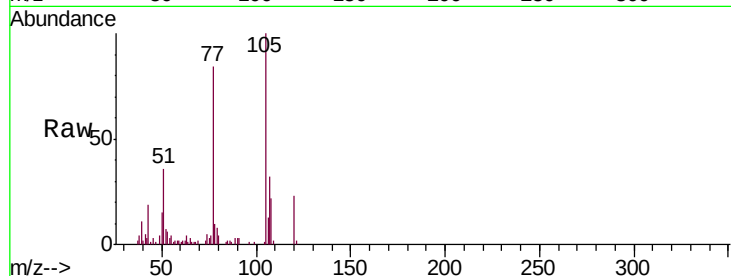
Ion Ratio Lower Upper

105 100

71 0.0 3.1 4.7#

51 35.8 36.6 54.8#

120 22.5 18.2 27.4

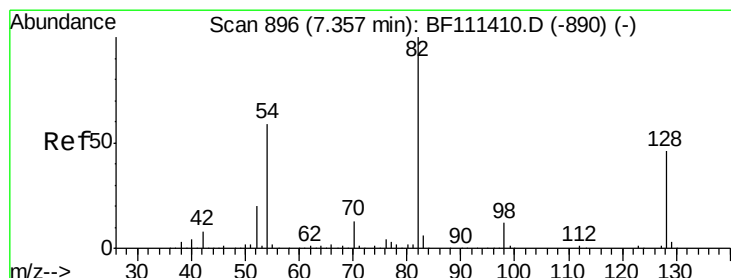
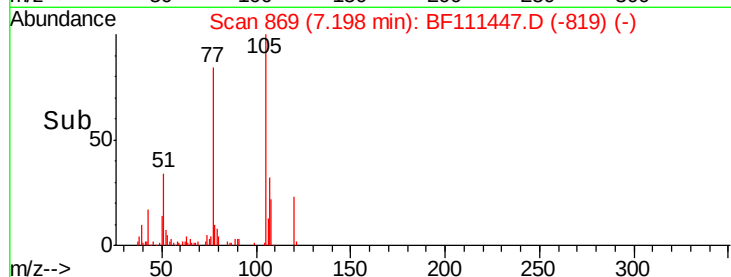
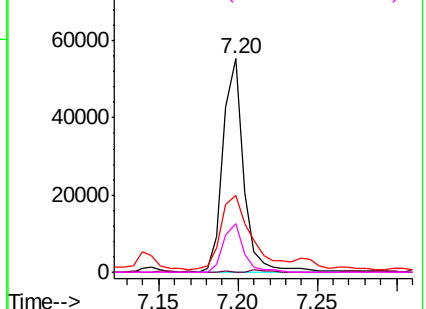


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 4.557 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF111447.D

Acq: 15 Dec 2018 4:49

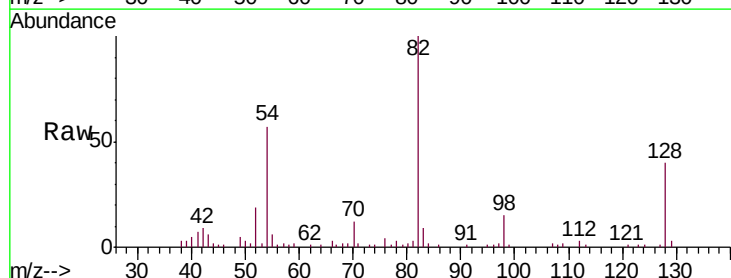
Tgt Ion: 82 Resp: 39905

Ion Ratio Lower Upper

82 100

128 39.6 37.4 56.2

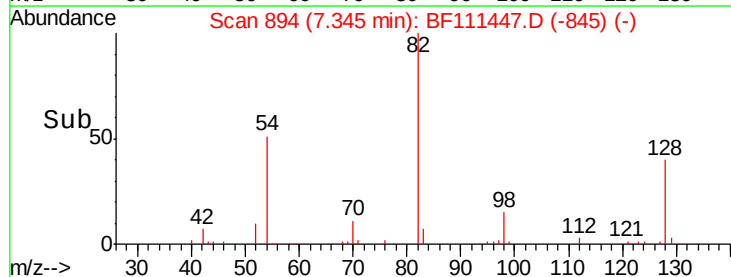
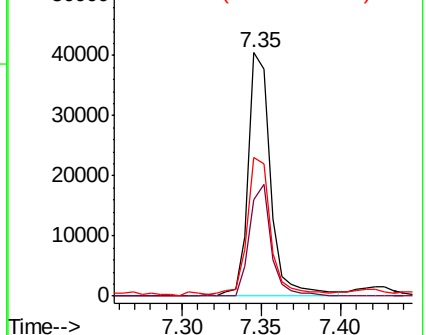
54 57.1 47.6 71.4

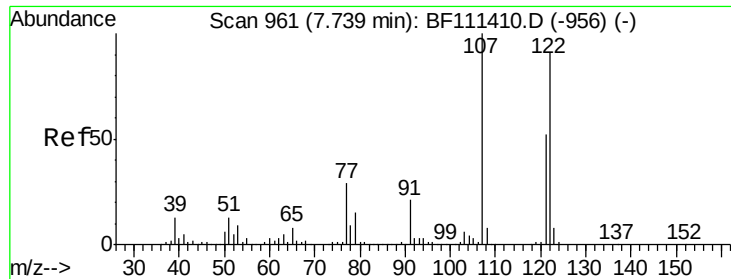


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

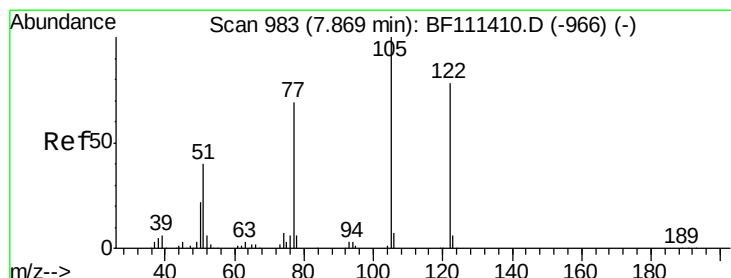
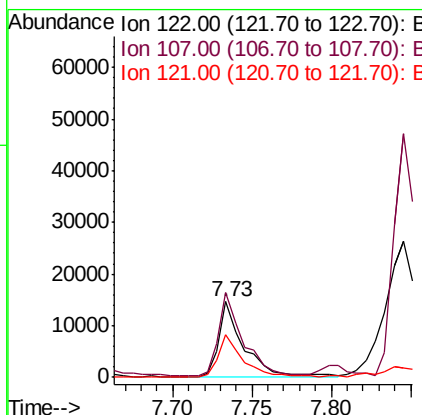
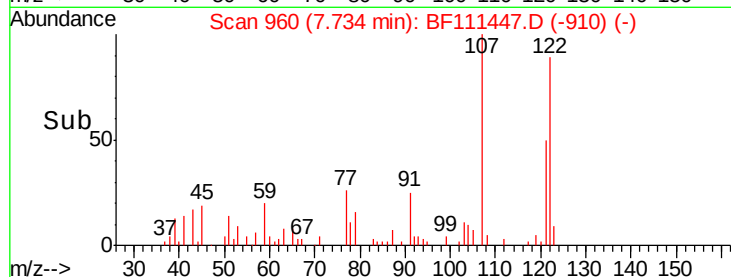
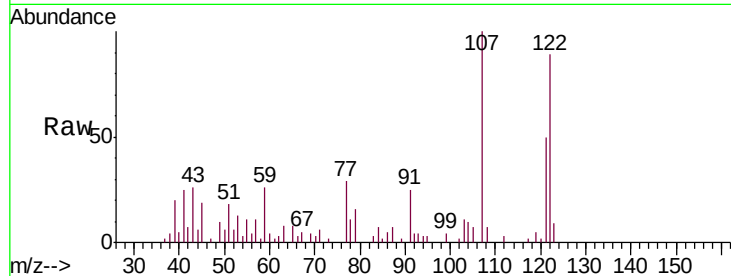




#27
2,4-Dimethylphenol
Concen: 2.438 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF111447.D
Acq: 15 Dec 2018 4:49

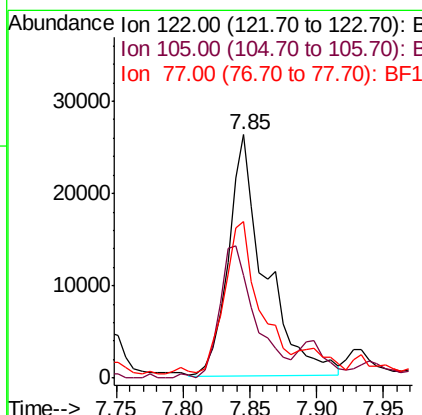
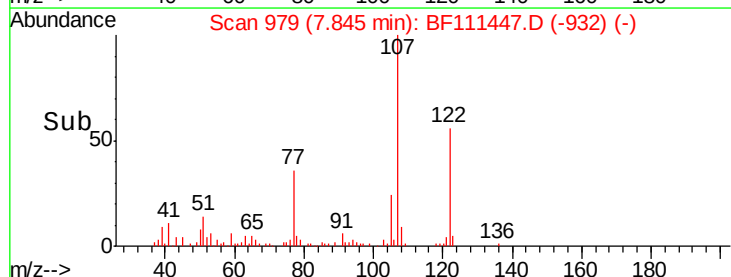
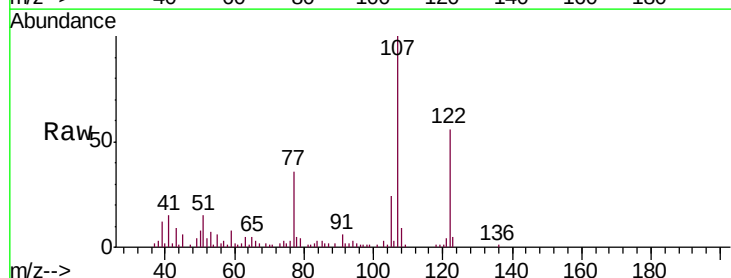
Instrument :
BNA_F
ClientSampleId :
P001-SW005-01DL

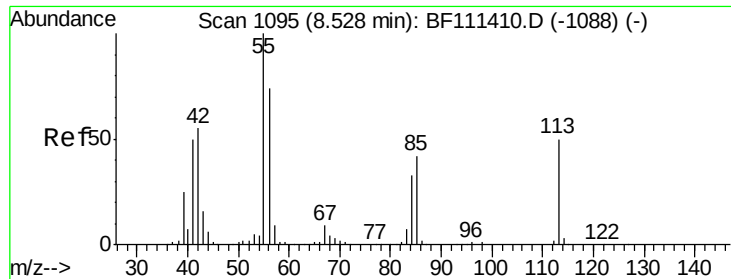
Tgt Ion:122 Resp: 16371
Ion Ratio Lower Upper
122 100
107 112.0 85.5 128.3
121 55.7 46.6 70.0



#32
Benzoic acid
Concen: 8.672 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.02 min
Lab File: BF111447.D
Acq: 15 Dec 2018 4:49

Tgt Ion:122 Resp: 50326
Ion Ratio Lower Upper
122 100
105 42.2 97.0 137.0#
77 64.4 65.7 105.7#

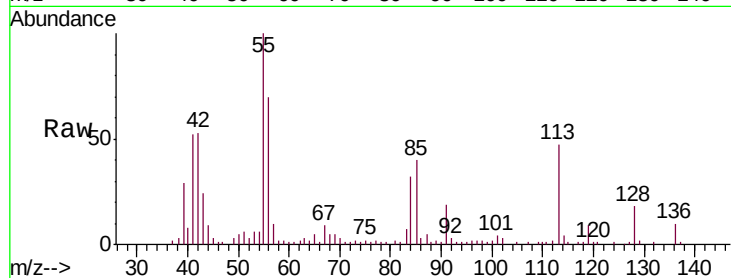




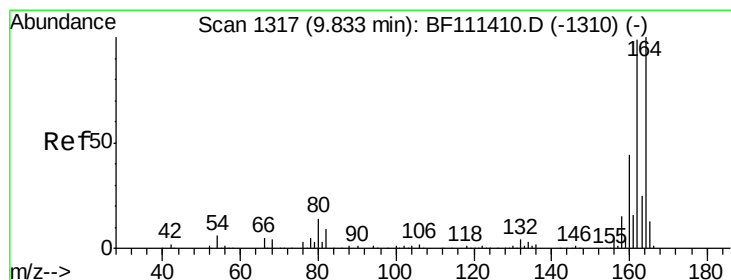
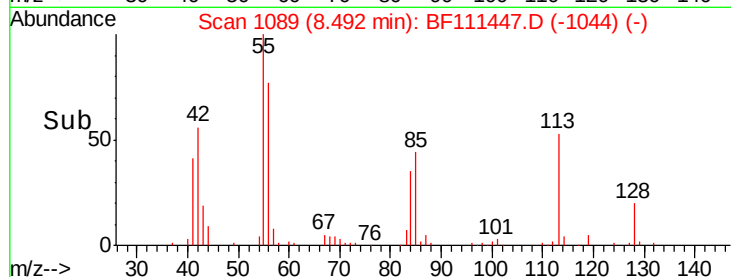
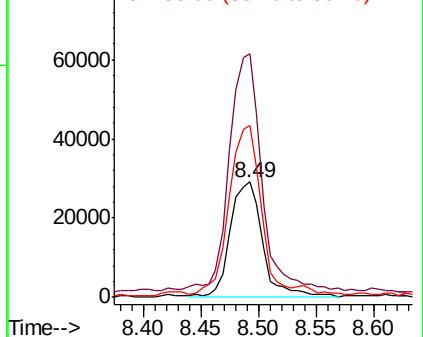
#35
 Caprolactam
 Concen: 21.494 ng
 RT: 8.49 min Scan# 1089
 Delta R.T. -0.04 min
 Lab File: BF111447.D
 Acq: 15 Dec 2018 4:49

Instrument :
 BNA_F
 ClientSampleId :
 P001-SW005-01DL

Tgt Ion:113 Resp: 57211
 Ion Ratio Lower Upper
 113 100
 55 211.4 184.1 224.1
 56 149.0 126.0 166.0

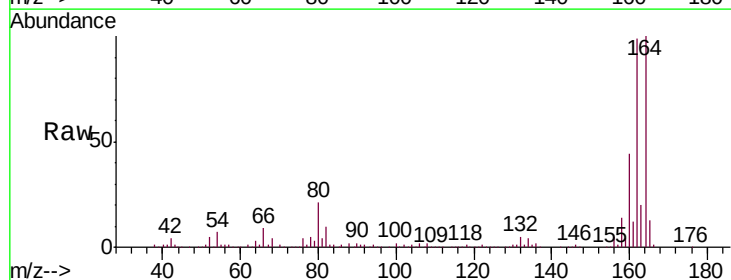


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

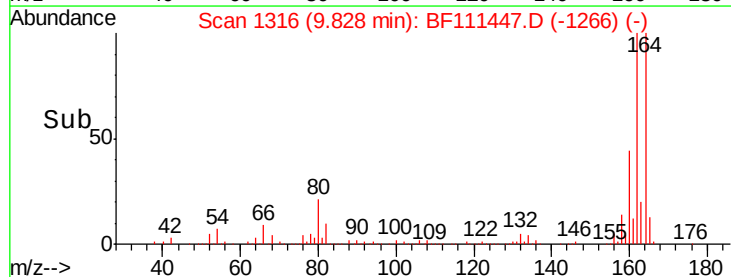
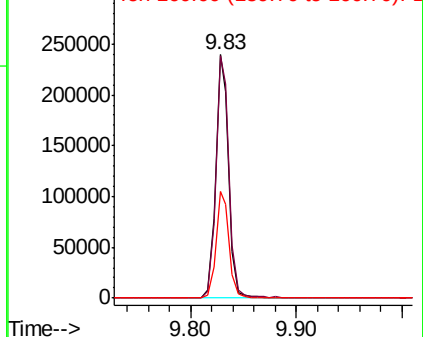


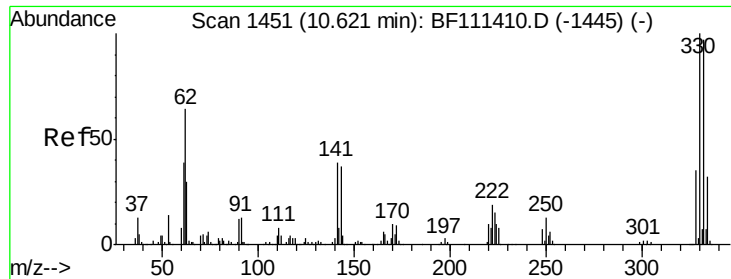
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111447.D
 Acq: 15 Dec 2018 4:49

Tgt Ion:164 Resp: 209908
 Ion Ratio Lower Upper
 164 100
 162 99.4 81.4 122.0
 160 43.7 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: 5.078 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111447.D

Acq: 15 Dec 2018 4:49

Instrument :

BNA_F

ClientSampleId :

P001-SW005-01DL

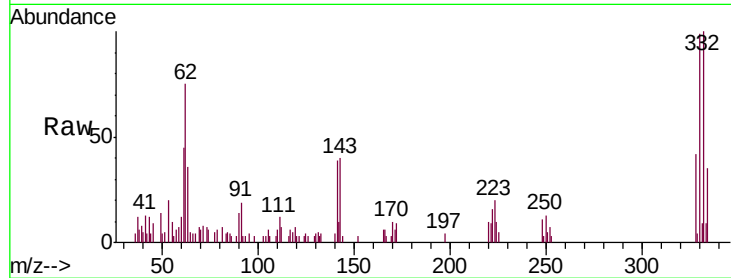
Tgt Ion:330 Resp: 9549

Ion Ratio Lower Upper

330 100

332 110.7 76.0 114.0

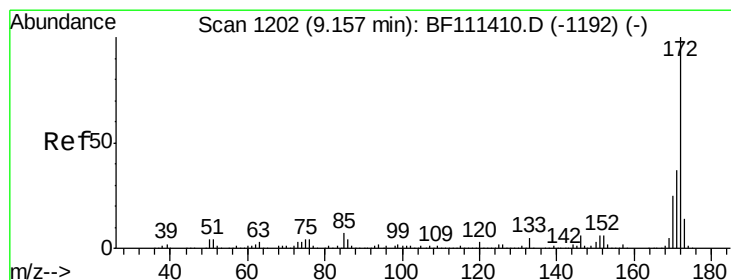
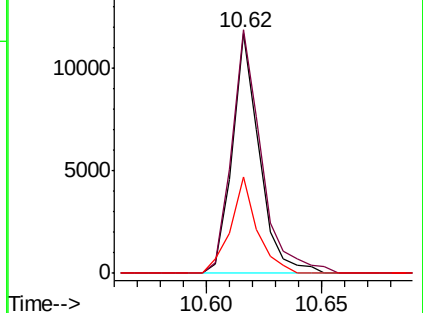
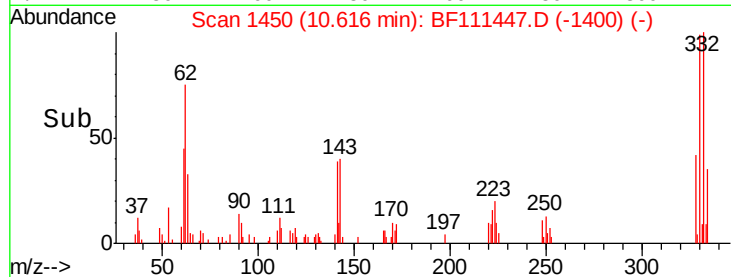
141 39.7 31.0 46.6



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: 5.505 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF111447.D

Acq: 15 Dec 2018 4:49

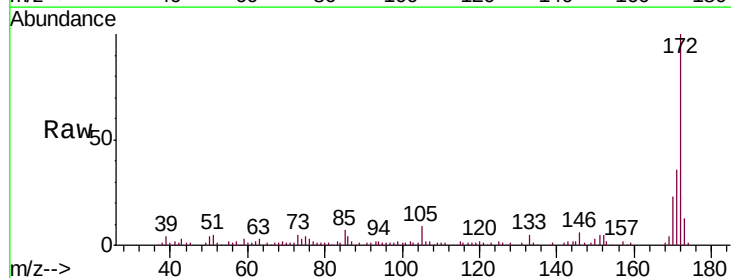
Tgt Ion:172 Resp: 74810

Ion Ratio Lower Upper

172 100

171 35.8 33.0 49.4

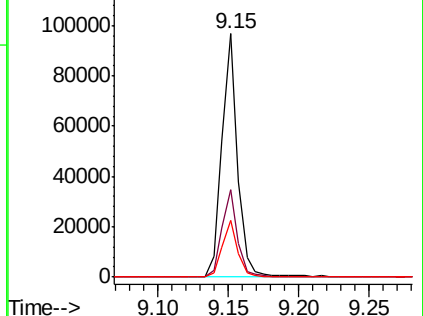
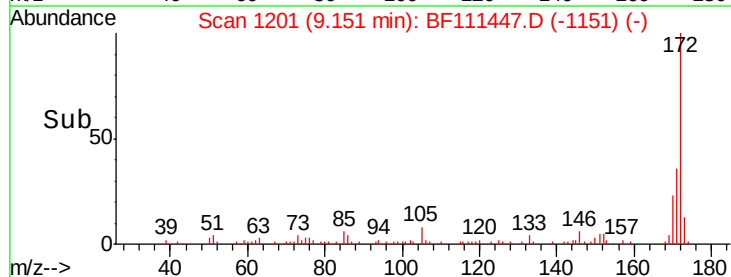
170 23.1 22.3 33.5

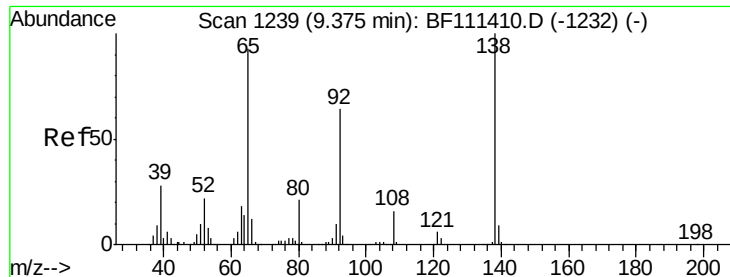


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 2.890 ng

RT: 9.40 min Scan# 1244

Delta R.T. 0.03 min

Lab File: BF111447.D

Acq: 15 Dec 2018 4:49

Instrument :

BNA_F

ClientSampleId :

P001-SW005-01DL

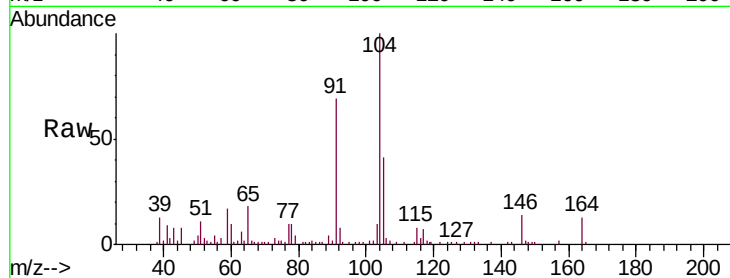
Tgt Ion: 65 Resp: 12686

Ion Ratio Lower Upper

65 100

92 43.6 53.5 80.3#

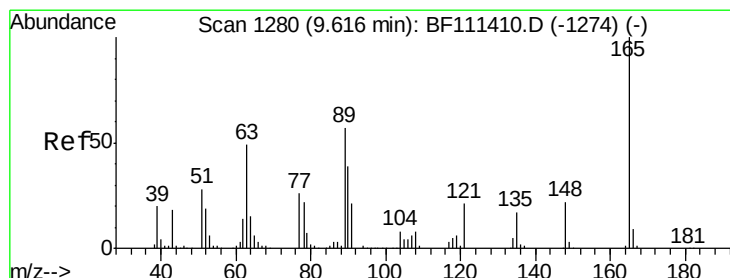
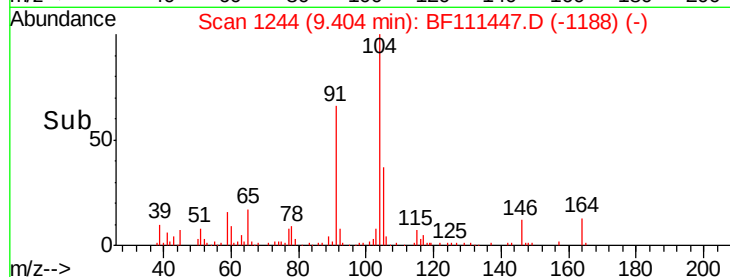
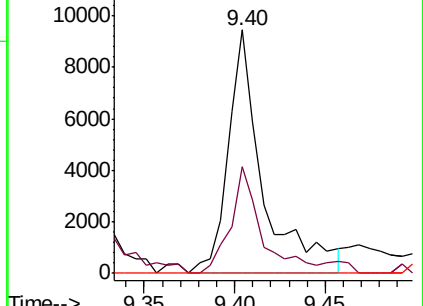
138 0.0 80.9 121.3#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#51

2,6-Dinitrotoluene

Concen: 7.865 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF111447.D

Acq: 15 Dec 2018 4:49

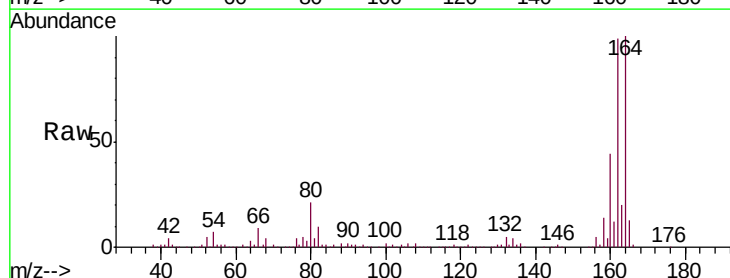
Tgt Ion: 165 Resp: 26764

Ion Ratio Lower Upper

165 100

63 1.8 40.5 60.7#

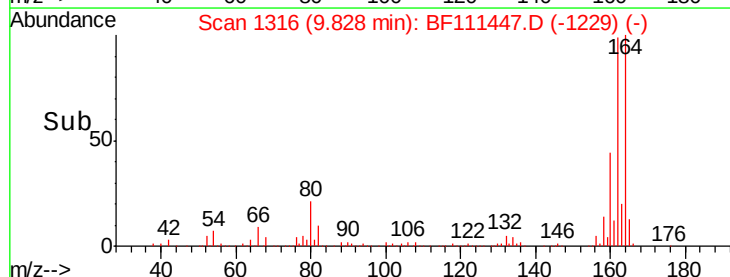
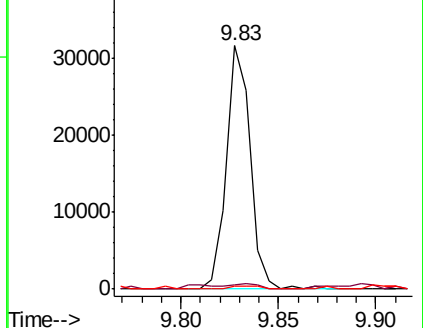
89 1.2 40.0 60.0#

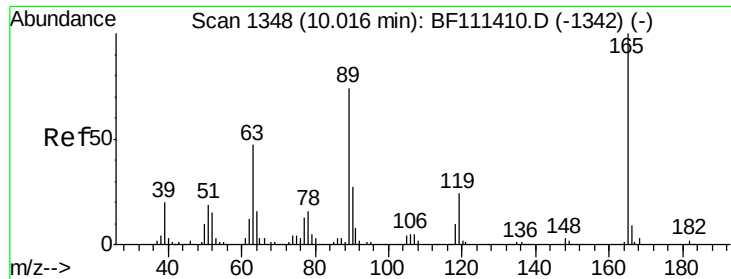


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

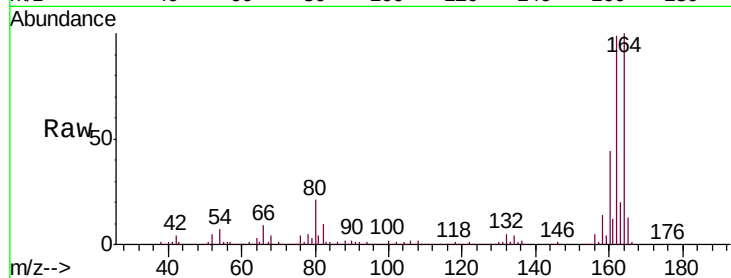




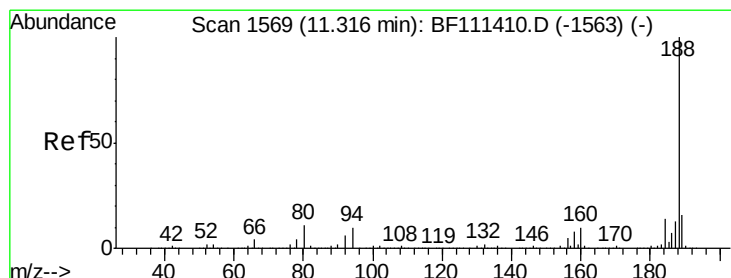
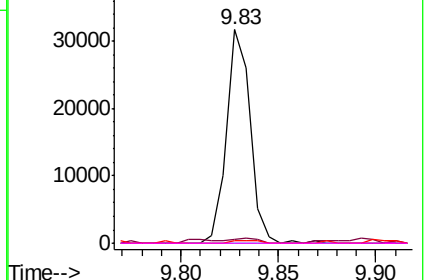
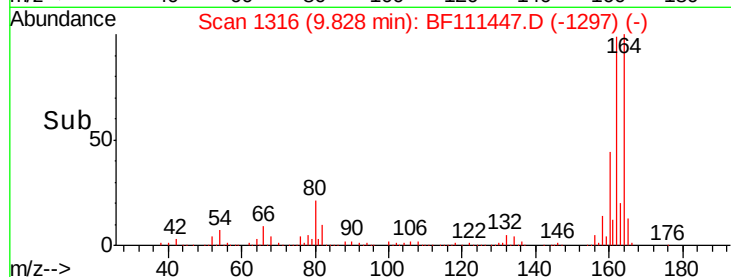
#57
2,4-Dinitrotoluene
Concen: 5.993 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111447.D
Acq: 15 Dec 2018 4:49

Instrument :
BNA_F
ClientSampleId :
P001-SW005-01DL

Tgt Ion:	165	Resp:	26764
Ion Ratio	Lower	Upper	
165	100		
63	1.8	34.6	52.0#
89	1.2	56.2	84.4#
182	0.0	1.8	2.6#

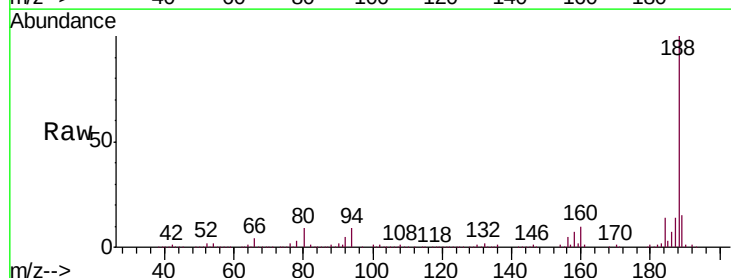


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

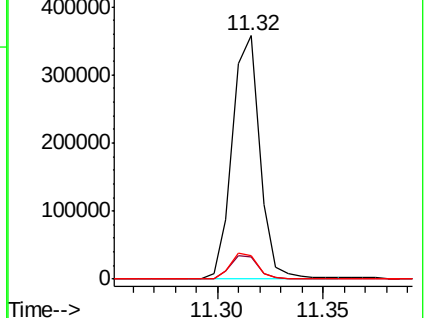
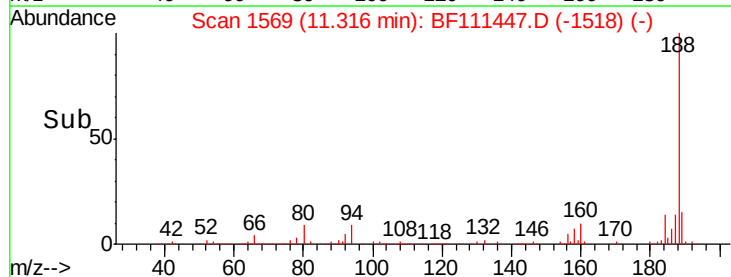


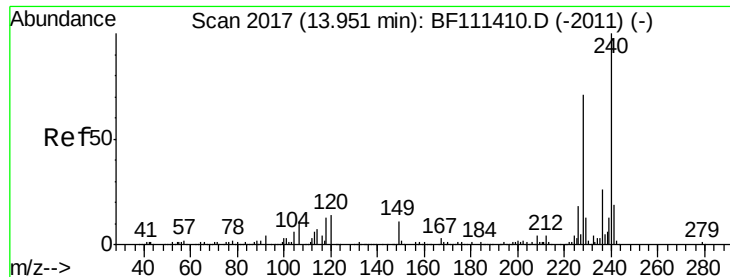
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF111447.D
Acq: 15 Dec 2018 4:49

Tgt Ion:	188	Resp:	323888
Ion Ratio	Lower	Upper	
188	100		
94	9.3	9.6	14.4#
80	9.5	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

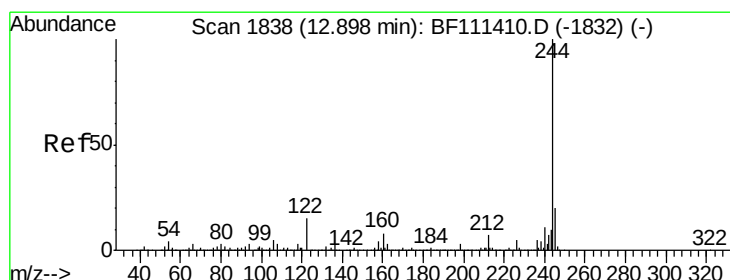
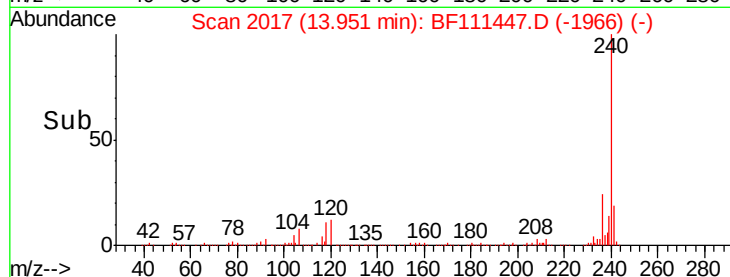
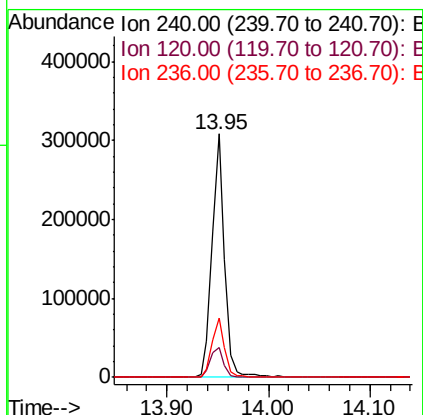
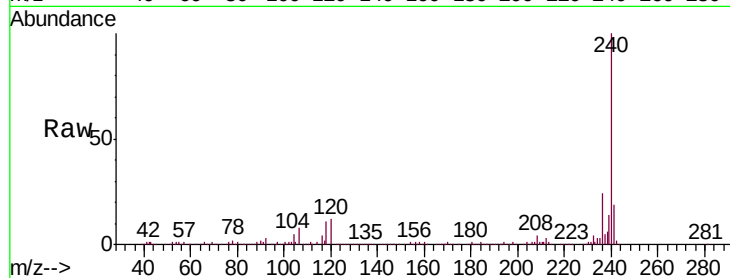




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF111447.D
Acq: 15 Dec 2018 4:49

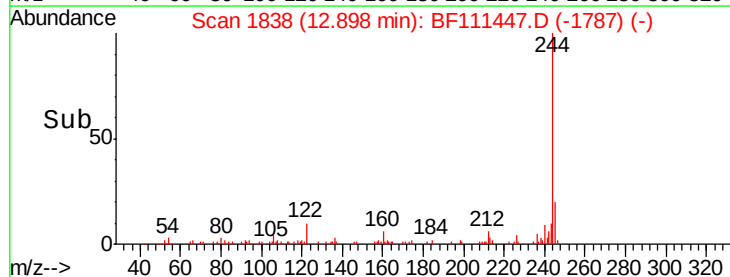
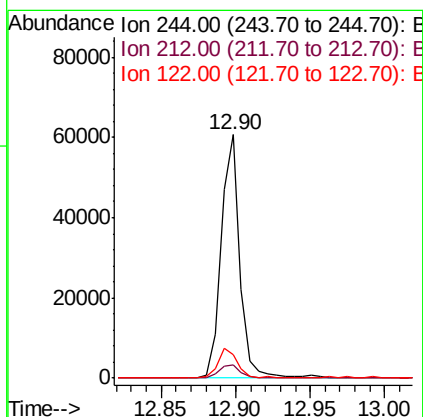
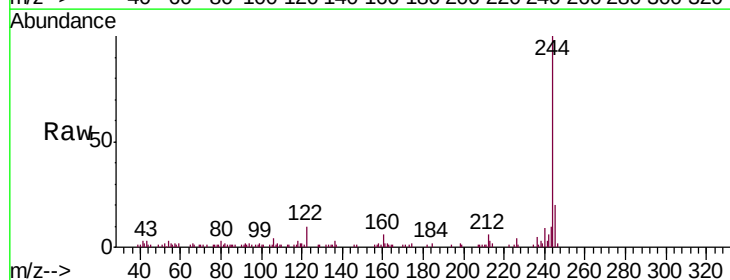
Instrument :
BNA_F
ClientSampleId :
P001-SW005-01DL

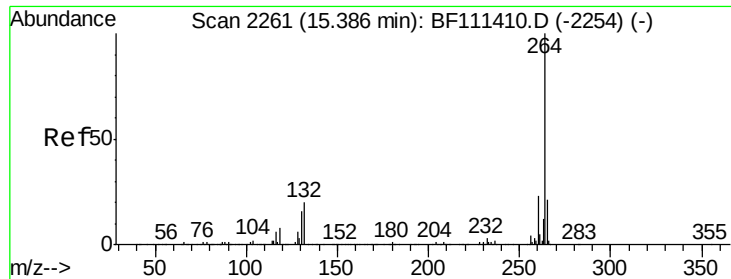
Tgt Ion:240 Resp: 266462
Ion Ratio Lower Upper
240 100
120 12.5 12.2 18.2
236 24.3 20.2 30.2



#79
Terphenyl-d14
Concen: 4.722 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF111447.D
Acq: 15 Dec 2018 4:49

Tgt Ion:244 Resp: 53586
Ion Ratio Lower Upper
244 100
212 5.7 5.7 8.5
122 9.8 13.1 19.7#





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111447.D
Acq: 15 Dec 2018 4:49

Instrument :
BNA_F
ClientSampleId :
P001-SW005-01DL

Tgt Ion:	264	Resp:	183228
Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.3	27.5
265	20.1	17.7	26.5

