

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
 Data File : BF112781.D
 Acq On : 1 Mar 2019 00:27
 Operator : JU/SJ
 Sample : K1651-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CON-327

Quant Time: Mar 01 04:55:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	92672	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	366883	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	172102	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	334834	20.00	ng	0.00
76) Chrysene-d12	13.87	240	216841	20.00	ng	0.00
87) Perylene-d12	15.28	264	229234	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	18177	3.05	ng	0.00
7) Phenol-d6	6.36	99	202446	27.05	ng	0.00
23) Nitrobenzene-d5	7.30	82	416479	67.93	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	254	0.14	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	820981	81.29	ng	0.00
79) Terphenyl-d14	12.83	244	808972	72.32	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.43	88	381	0.128	ng	# 1
4) n-Nitrosodimethylamine	3.05	42	223	0.064	ng	# 1
6) Aniline	6.45	93	312	0.030	ng	# 42
9) Benzaldehyde	6.36	77	227	0.042	ng	# 1
10) Phenol	6.37	94	3323	0.381	ng	# 92
11) bis(2-Chloroethyl)ether	6.45	93	312	0.047	ng	# 19
15) Benzyl Alcohol	6.90	79	7183	1.259	ng	# 37
16) 2,2'-oxybis(1-Chloropropan	7.06	45	388	0.035	ng	# 1
19) n-Nitroso-di-n-propylamine	7.30	70	54502	11.499	ng	# 77
22) Acetophenone	7.15	105	330	0.038	ng	# 45
24) Nitrobenzene	7.30	77	1161	0.170	ng	# 33
25) Isophorone	7.30	82	414203	31.358	ng	# 66
31) Naphthalene	8.05	128	724	0.040	ng	# 68
37) 2-Methylnaphthalene	8.74	142	146	0.012	ng	# 15
38) 1-Methylnaphthalene	8.74	142	146	0.013	ng	# 7
46) 1,1'-Biphenyl	9.20	154	1507	0.107	ng	# 80
47) 2-Chloronaphthalene	9.49	162	268	0.024	ng	# 1
48) 2-Nitroaniline	9.22	65	1984	0.595	ng	# 4
49) Acenaphthylene	9.63	152	3287	0.177	ng	# 87
50) Dimethylphthalate	9.49	163	54264	4.276	ng	# 98
51) 2,6-Dinitrotoluene	9.77	165	21371	8.087	ng	# 17
52) Acenaphthene	9.80	154	1031	0.095	ng	# 93
55) Dibenzofuran	9.97	168	925	0.058	ng	# 74
56) 4-Nitrophenol	9.97	139	505	0.193	ng	# 27
57) 2,4-Dinitrotoluene	9.77	165	21371	6.506	ng	# 17
58) Fluorene	10.32	166	1671	0.149	ng	# 89
60) Diethylphthalate	10.19	149	893	0.067	ng	# 60
63) Azobenzene	10.49	77	247	0.018	ng	# 43
66) n-Nitrosodiphenylamine	10.56	169	140	0.013	ng	# 24
71) Phenanthrene	11.27	178	11523	0.692	ng	# 96
72) Anthracene	11.32	178	31513	1.807	ng	# 100
73) Carbazole	11.47	167	2184	0.128	ng	# 64
74) Di-n-butylphthalate	11.82	149	4350	0.213	ng	# 89
75) Fluoranthene	12.45	202	106165	5.948	ng	# 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

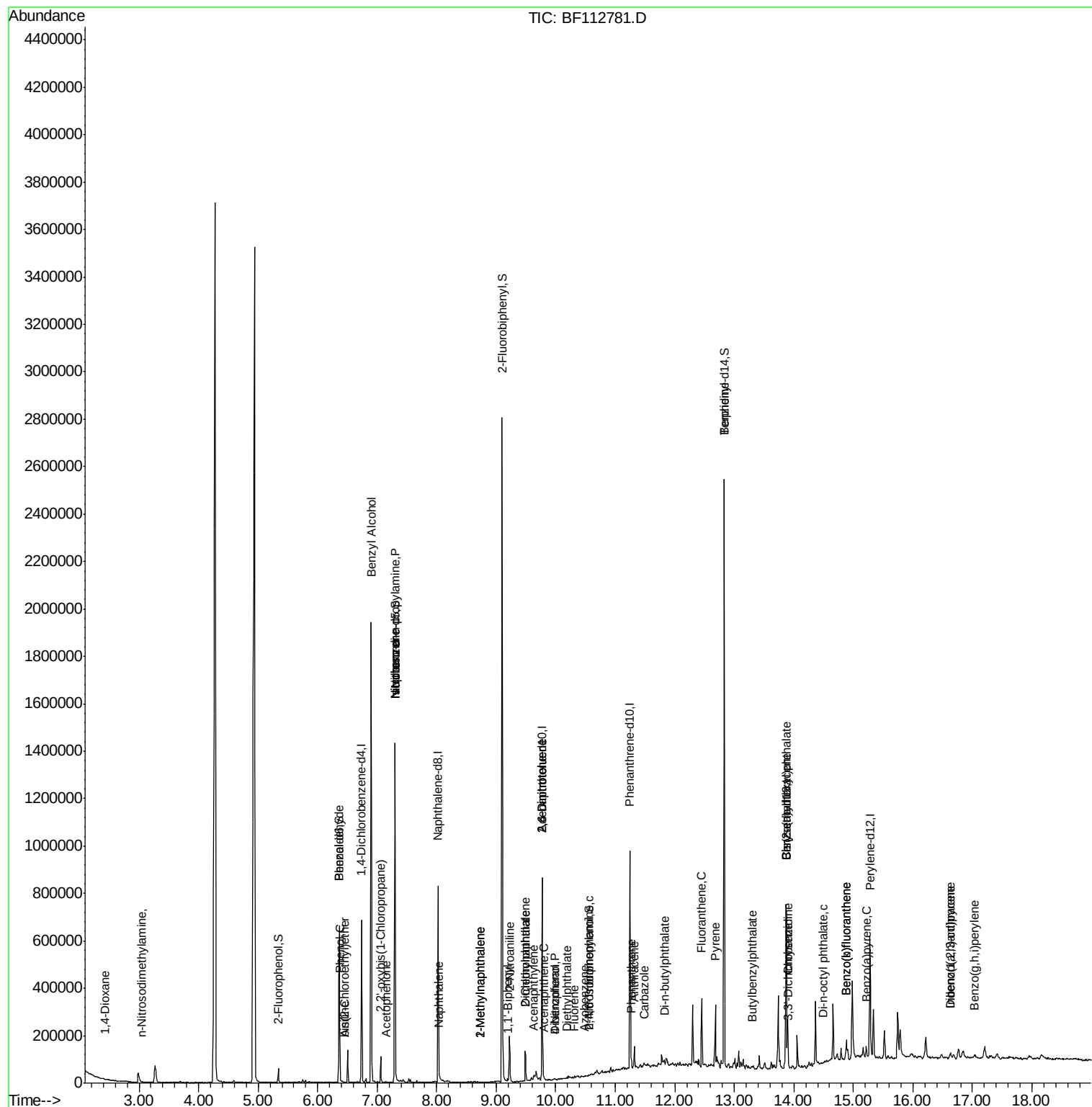
77) Benzidine	12.83	184	9742	0.866	ng	98
78) Pyrene	12.68	202	103303	5.651	ng	97
80) Butylbenzylphthalate	13.29	149	549	0.068	ng #	6
81) Benzo(a)anthracene	13.86	228	40574	2.700	ng	99
82) 3,3'-Dichlorobenzidine	13.92	252	338	0.059	ng #	23
83) Chrysene	13.90	228	76558	5.201	ng	99
84) Bis(2-ethylhexyl)phthalate	13.87	149	7313	0.773	ng #	93
85) Di-n-octyl phthalate	14.48	149	513	0.032	ng #	37
86) Indeno(1,2,3-cd)pyrene	16.63	276	11060	0.881	ng	93
88) Benzo(b)fluoranthene	14.88	252	52485	3.540	ng	99
89) Benzo(k)fluoranthene	14.88	252	52485	3.908	ng	98
90) Benzo(a)pyrene	15.22	252	19670	1.500	ng #	92
91) Dibenzo(a,h)anthracene	16.64	278	2932	0.262	ng #	87
92) Benzo(g,h,i)perylene	17.04	276	9941	0.885	ng	94

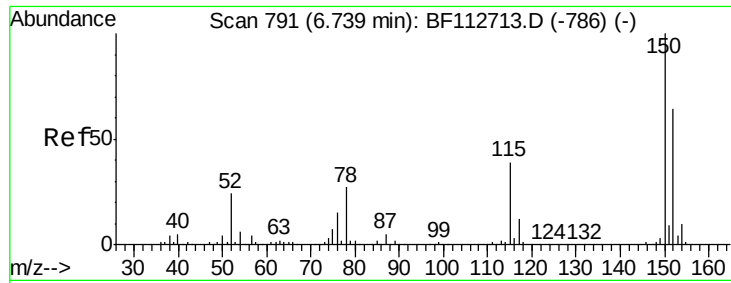
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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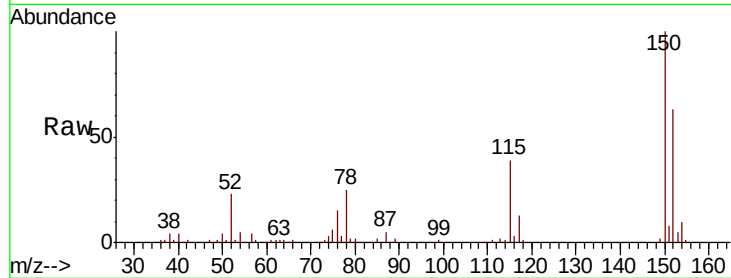


#1

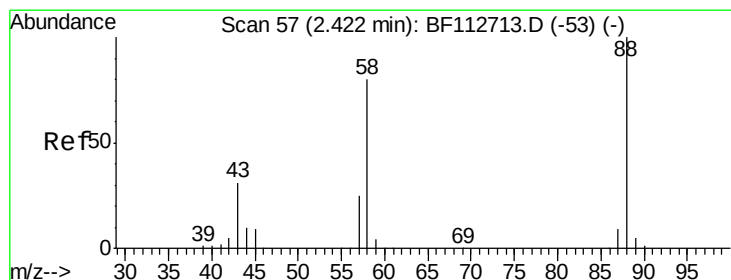
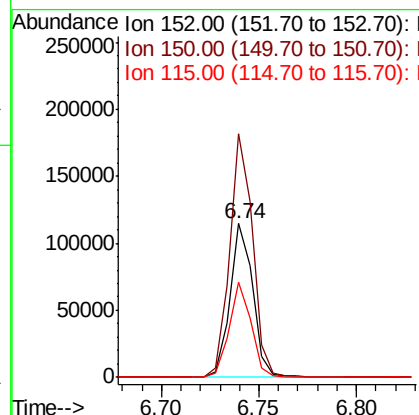
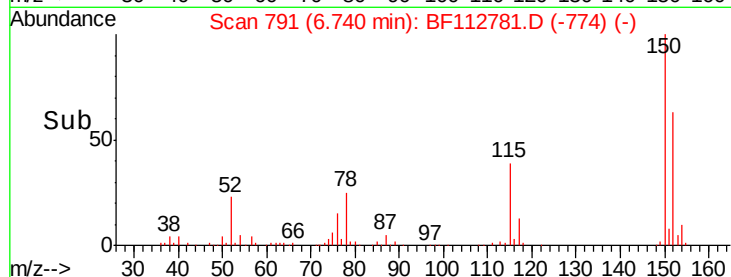
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Instrument :
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ClientSampleId :
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Tgt Ion: 152 Resp: 92672
Ion Ratio Lower Upper
152 100
150 158.3 124.2 186.2
115 62.1 48.2 72.4



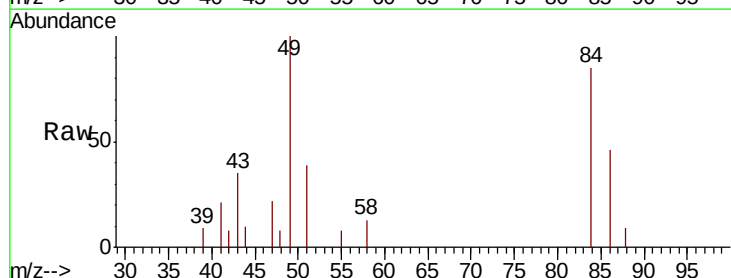
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



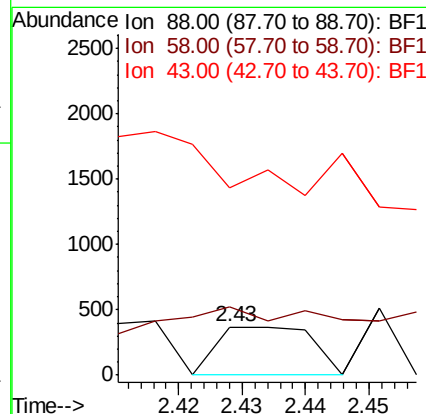
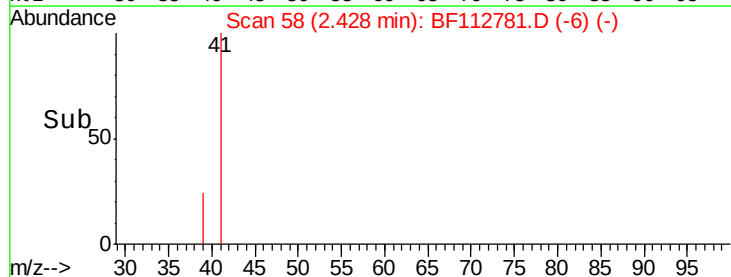
#2

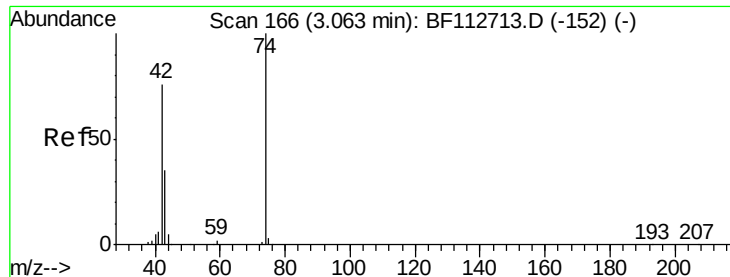
1,4-Dioxane
Concen: 0.128 ng
RT: 2.43 min Scan# 58
Delta R.T. 0.01 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Tgt Ion: 88 Resp: 381
Ion Ratio Lower Upper
88 100
58 21.5 63.1 94.7#
43 250.9 24.3 36.5#



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



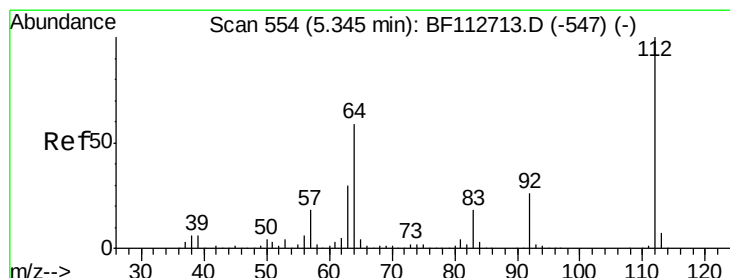
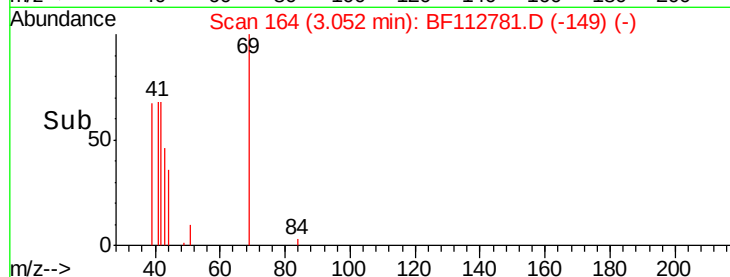
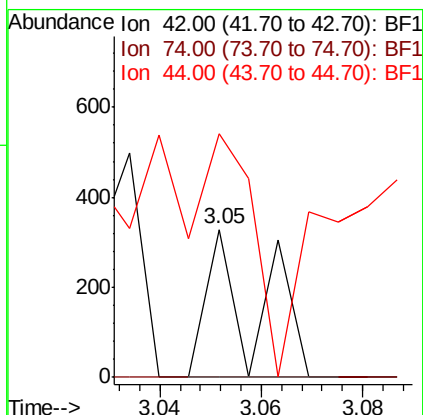
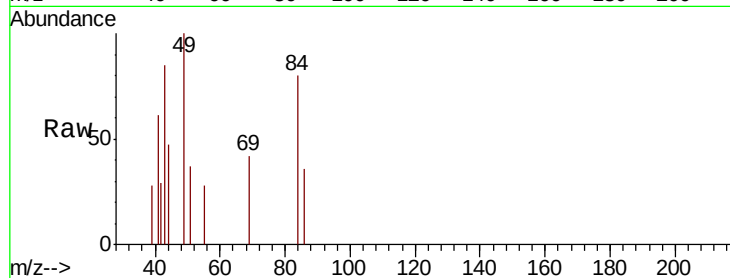


#4

n-Nitrosodimethylamine
 Concen: 0.064 ng
 RT: 3.05 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: BF112781.D
 Acq: 1 Mar 2019 00:27

Instrument :
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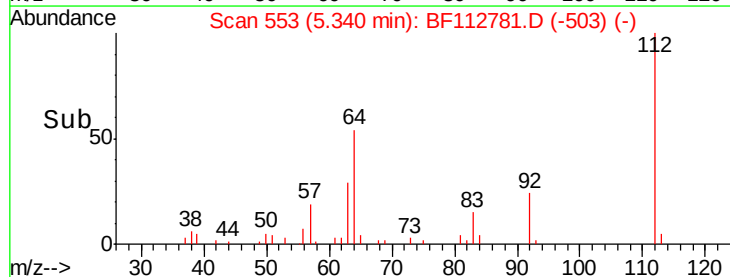
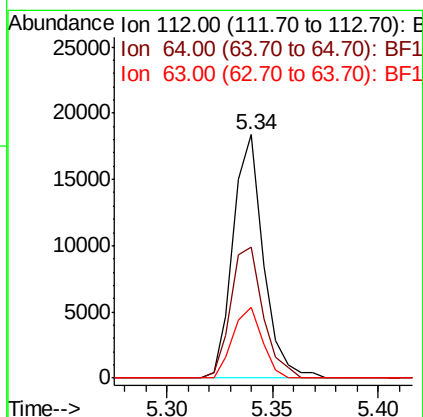
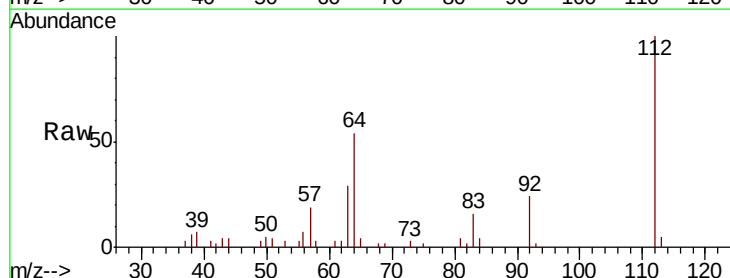
Tgt Ion: 42 Resp: 223
 Ion Ratio Lower Upper
 42 100
 74 0.0 105.8 158.8#
 44 164.9 6.2 9.2#

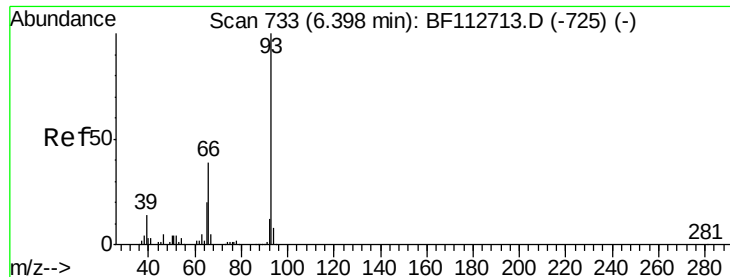


#5

2-Fluorophenol
 Concen: 3.051 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF112781.D
 Acq: 1 Mar 2019 00:27

Tgt Ion: 112 Resp: 18177
 Ion Ratio Lower Upper
 112 100
 64 53.8 47.6 71.4
 63 29.2 24.4 36.6





#6

Aniline

Concen: 0.030 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.05 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

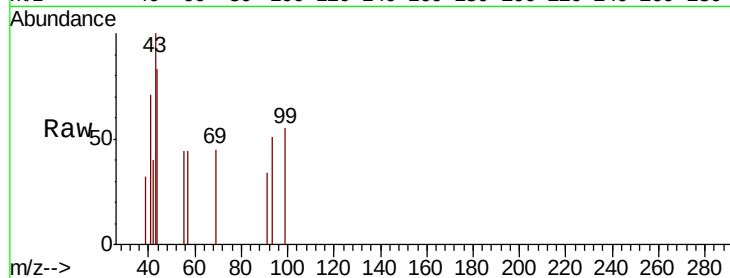
Tgt Ion: 93 Resp: 312

Ion Ratio Lower Upper

93 100

66 0.0 32.2 48.2#

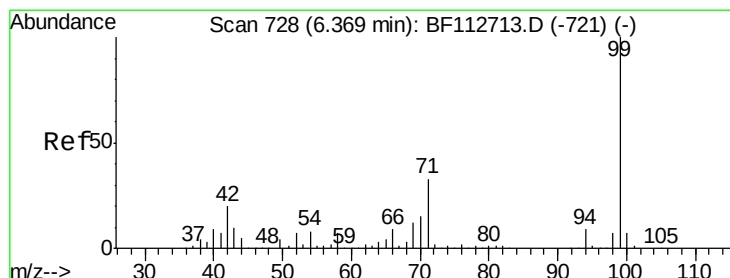
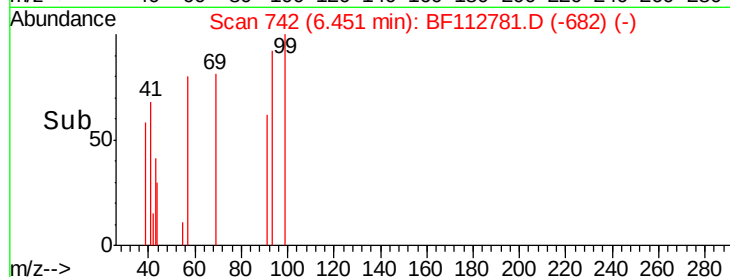
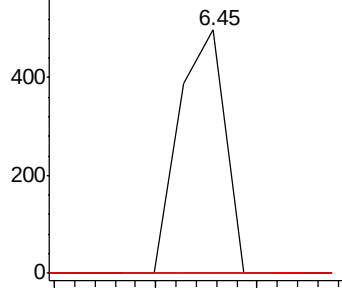
65 0.0 16.2 24.4#



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: 27.052 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

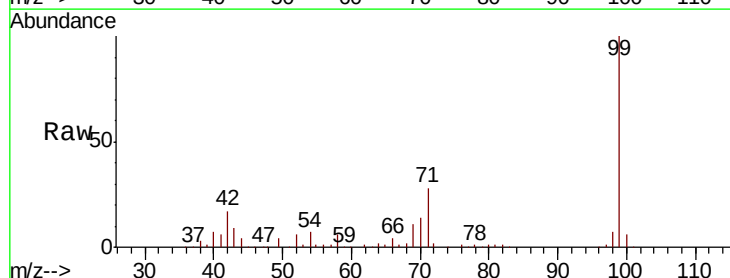
Tgt Ion: 99 Resp: 202446

Ion Ratio Lower Upper

99 100

42 17.2 16.3 24.5

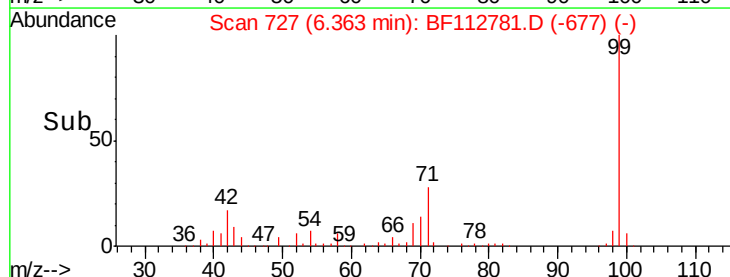
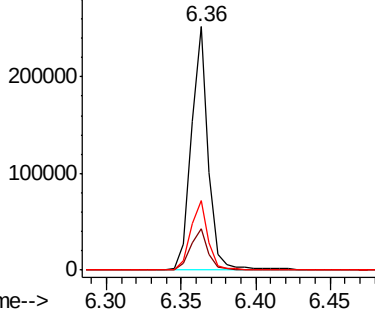
71 28.4 26.2 39.4

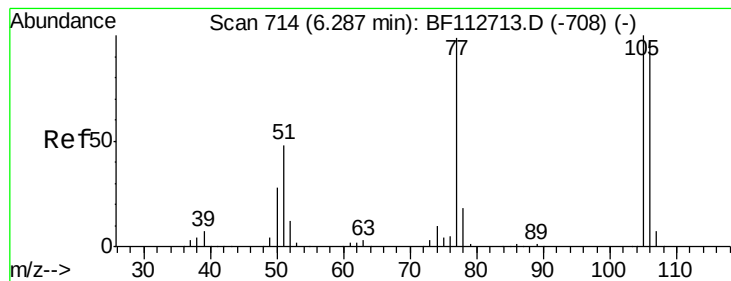


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 0.042 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.08 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

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ClientSampleId :

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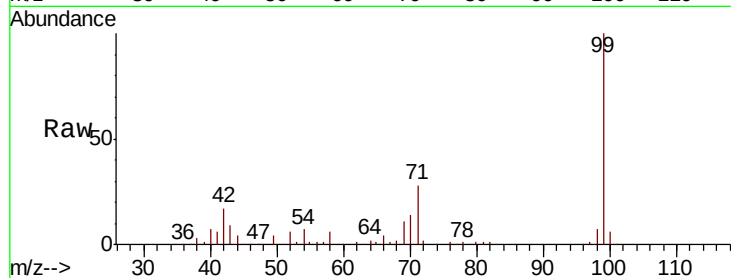
Tgt Ion: 77 Resp: 227

Ion Ratio Lower Upper

77 100

105 0.0 81.4 121.4#

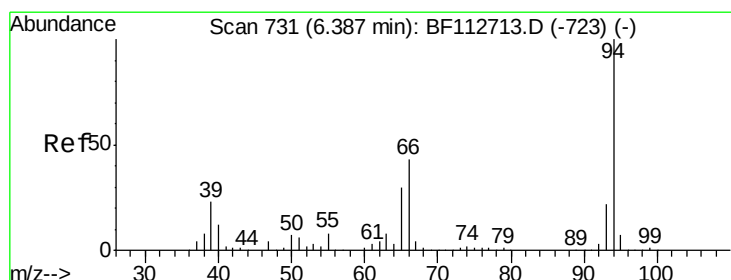
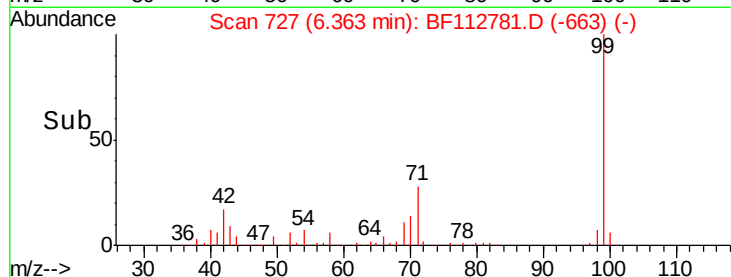
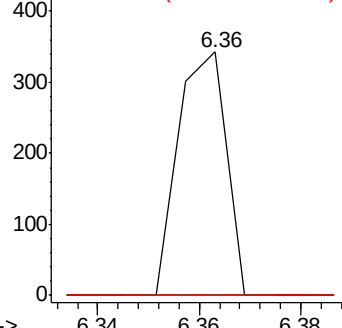
106 0.0 78.3 118.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 0.381 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

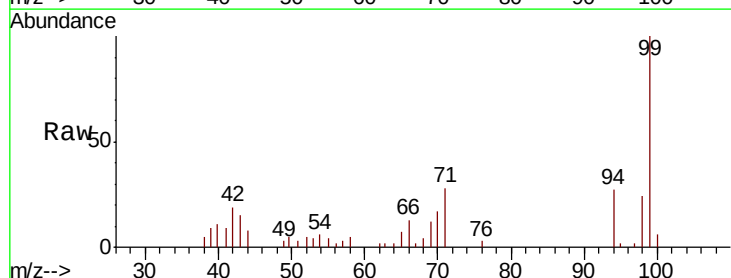
Tgt Ion: 94 Resp: 3323

Ion Ratio Lower Upper

94 100

65 26.3 10.5 50.5

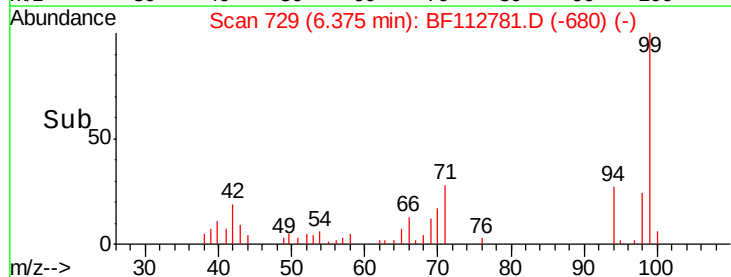
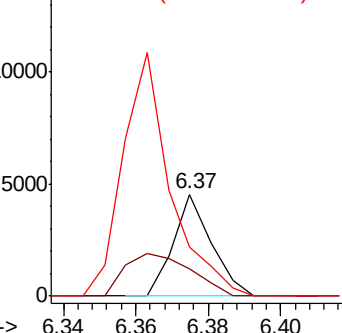
66 47.7 22.6 62.6

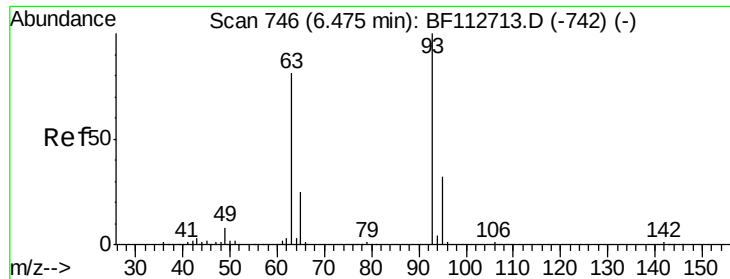


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

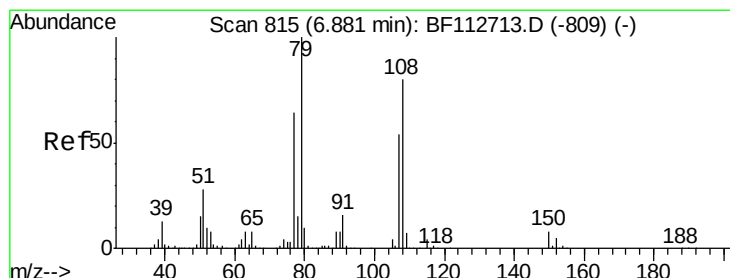
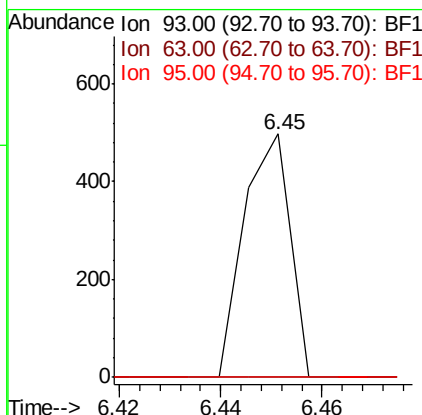
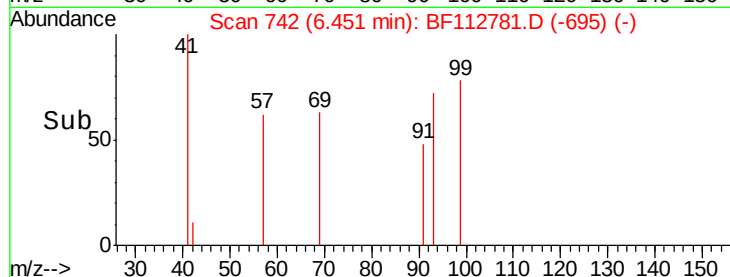
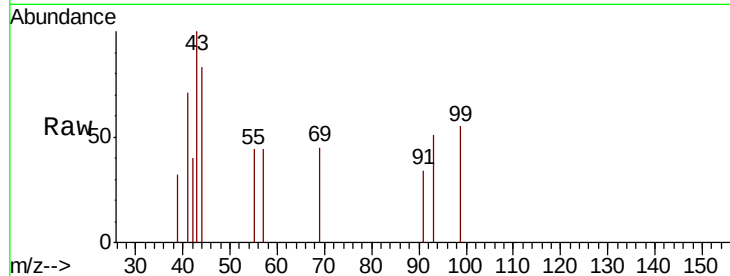




#11
bis(2-Chloroethyl)ether
Concen: 0.047 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.02 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

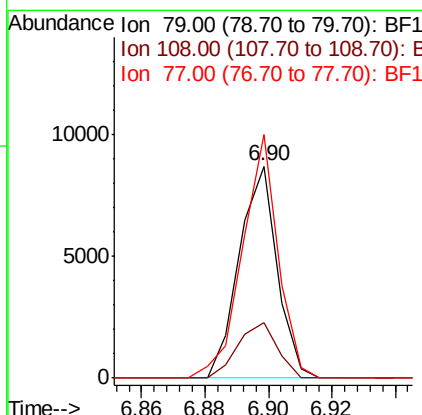
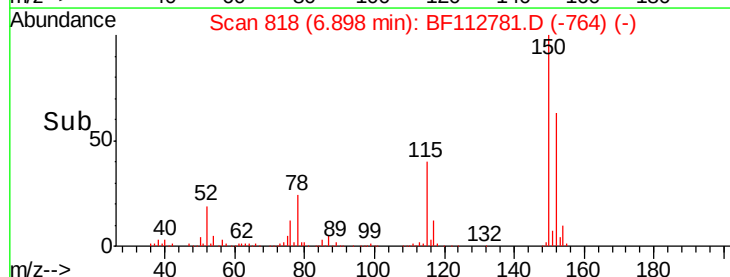
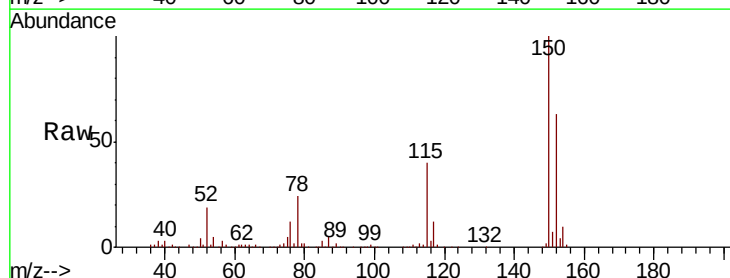
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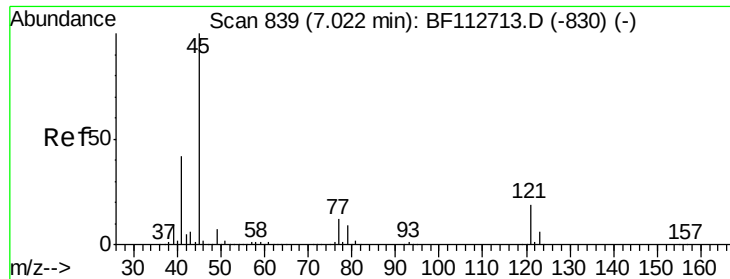
Tgt Ion: 93 Resp: 312
Ion Ratio Lower Upper
93 100
63 0.0 60.5 100.5#
95 0.0 12.1 52.1#



#15
Benzyl Alcohol
Concen: 1.259 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.02 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Tgt Ion: 79 Resp: 7183
Ion Ratio Lower Upper
79 100
108 25.9 64.2 96.4#
77 114.7 51.1 76.7#

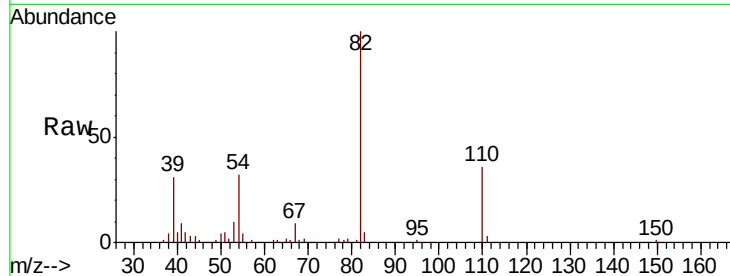




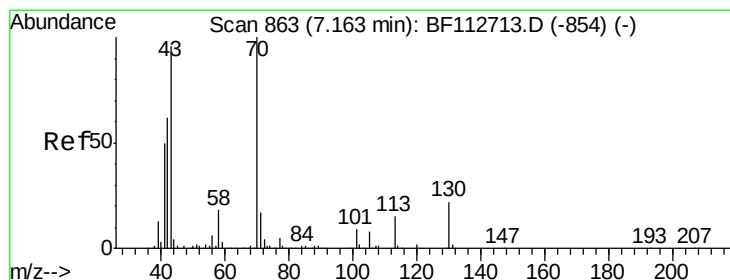
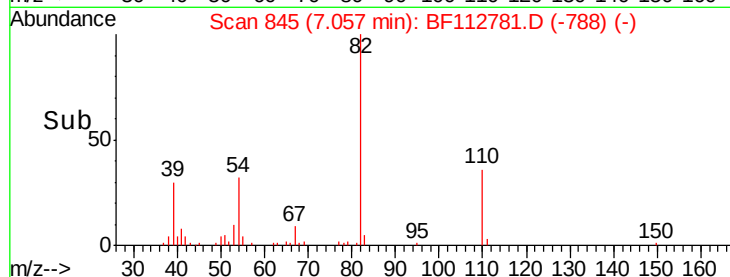
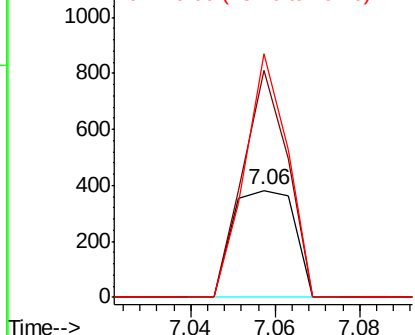
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.035 ng
RT: 7.06 min Scan# 845
Delta R.T. 0.04 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Instrument :
BNA_F
ClientSampleId :
CON-327

Tgt Ion: 45 Resp: 388
Ion Ratio Lower Upper
45 100
77 212.6 0.0 32.1#
79 227.5 0.0 29.4#

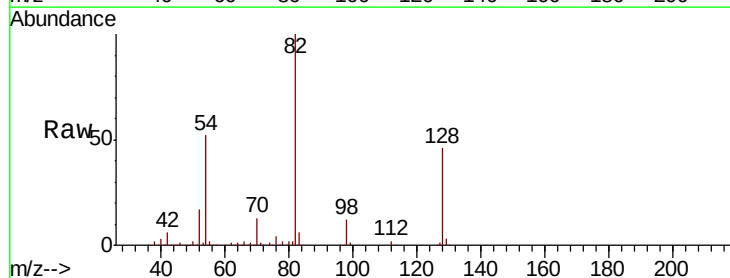


Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

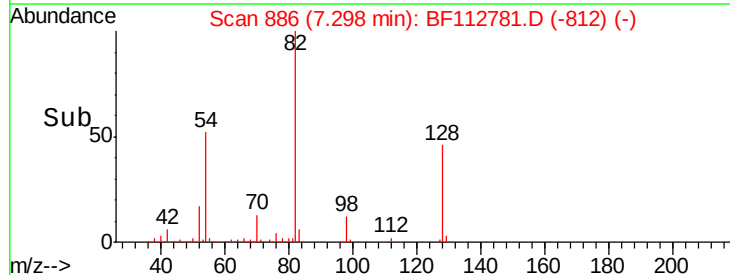
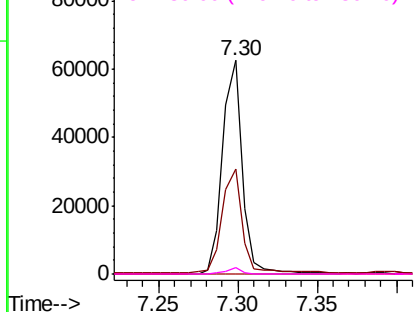


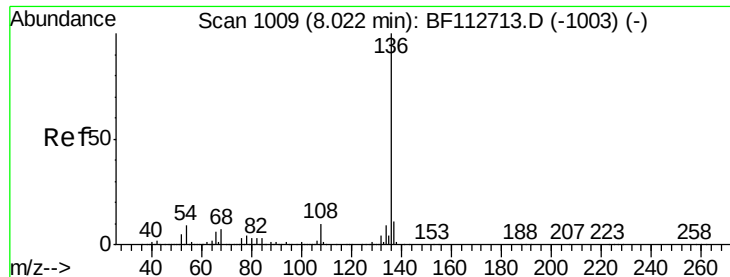
#19
n-Nitroso-di-n-propylamine
Concen: 11.499 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Tgt Ion: 70 Resp: 54502
Ion Ratio Lower Upper
70 100
42 49.4 49.9 74.9#
101 0.0 7.4 11.2#
130 2.9 17.4 26.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

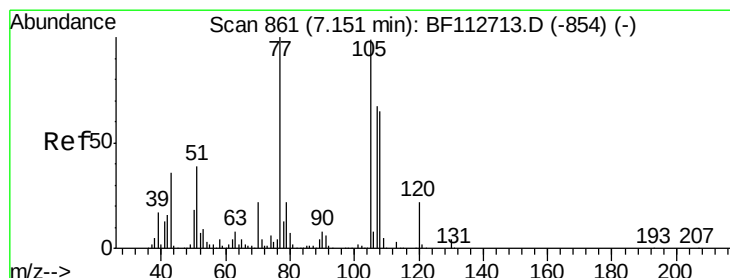
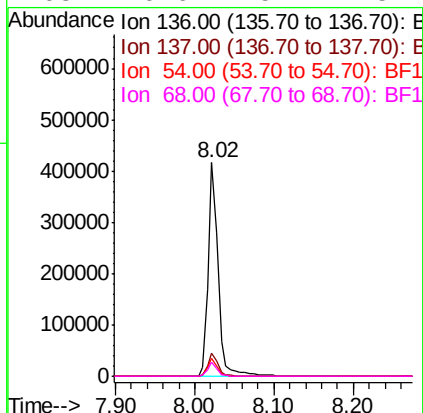
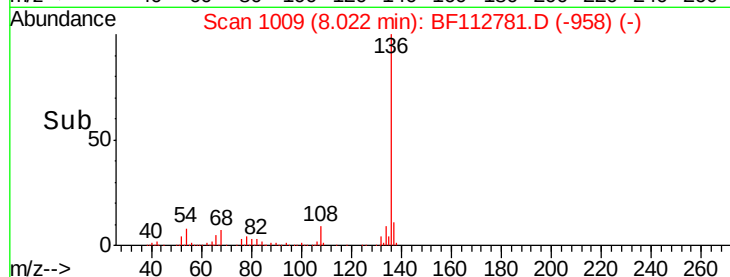
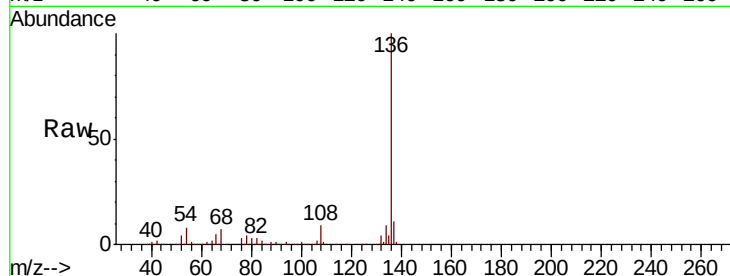




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

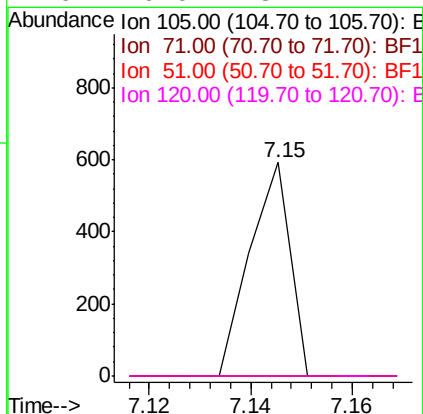
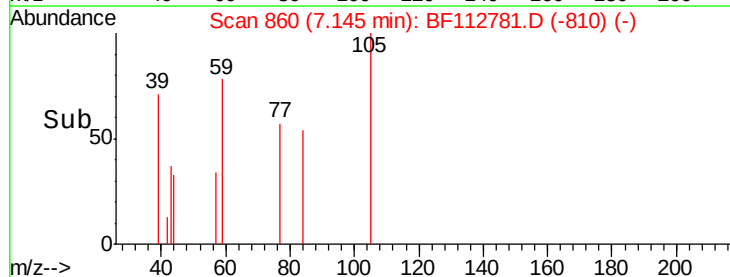
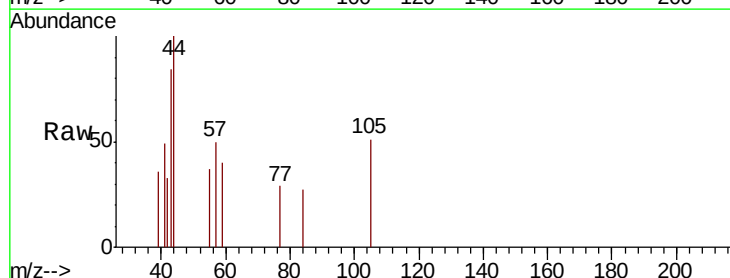
Instrument :
BNA_F
ClientSampleId :
CON-327

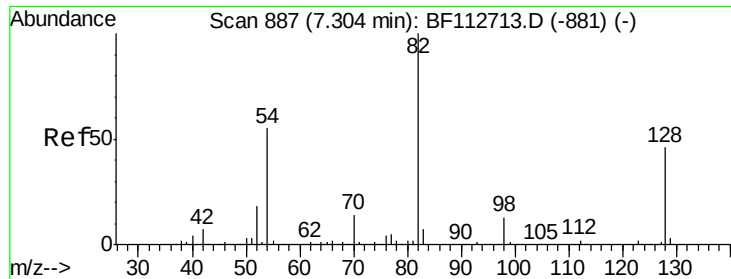
Tgt Ion:	136	Resp:	366883
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.2	7.3	10.9
68	6.6	5.4	8.2



#22
Acetophenone
Concen: 0.038 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Tgt Ion:	105	Resp:	330
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.0	4.4#
51	0.0	31.5	47.3#
120	0.0	18.1	27.1#

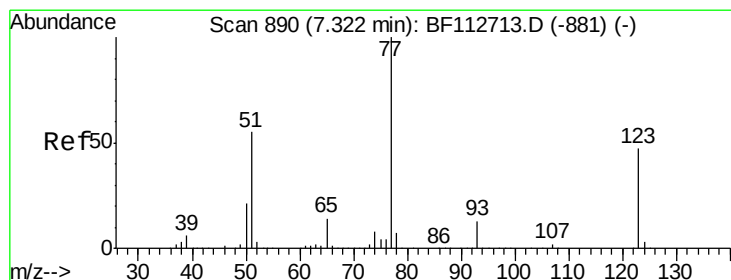
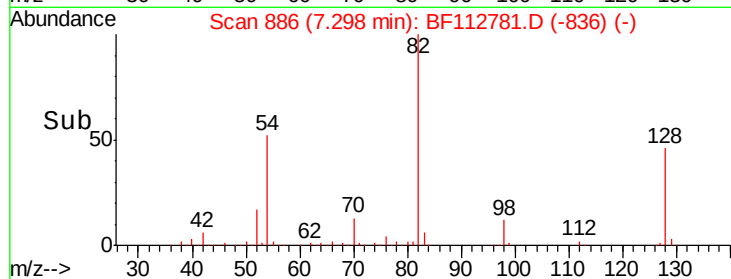
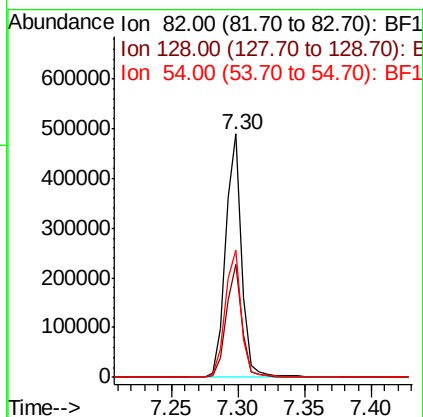
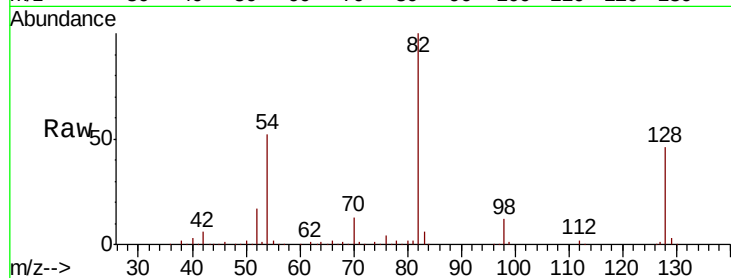




#23
 Nitrobenzene-d5
 Concen: 67.927 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF112781.D
 Acq: 1 Mar 2019 00:27

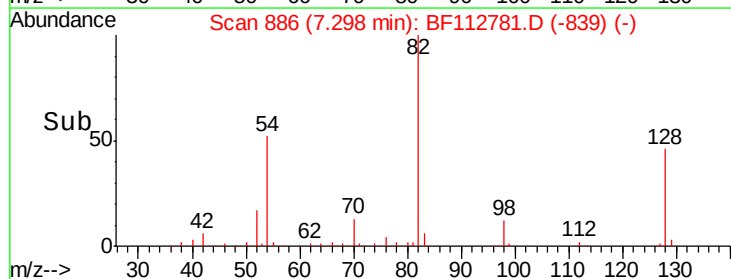
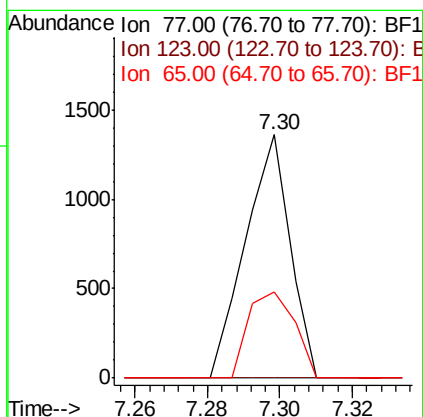
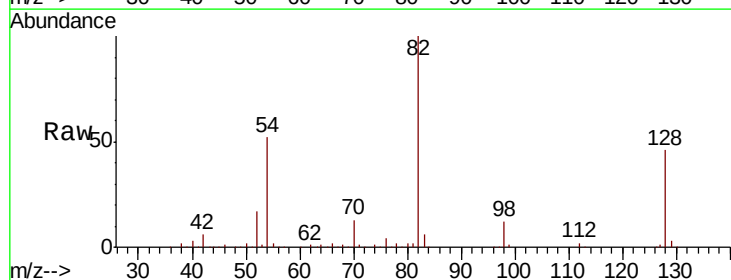
Instrument :
 BNA_F
 ClientSampleId :
 CON-327

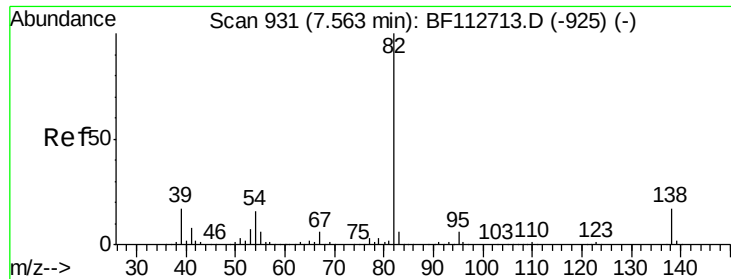
Tgt Ion: 82 Resp: 416479
 Ion Ratio Lower Upper
 82 100
 128 46.2 36.3 54.5
 54 52.1 43.7 65.5



#24
 Nitrobenzene
 Concen: 0.170 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: BF112781.D
 Acq: 1 Mar 2019 00:27

Tgt Ion: 77 Resp: 1161
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.8 56.6#
 65 35.5 11.1 16.7#





#25

Isophorone

Concen: 31.358 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

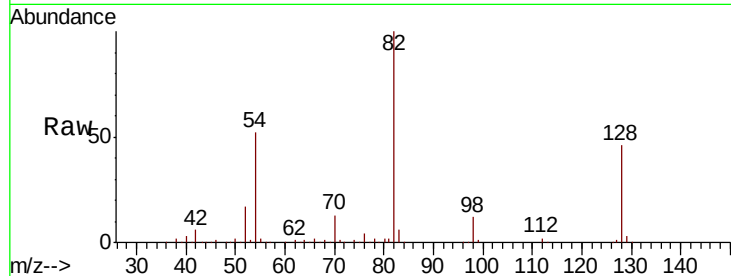
Tgt Ion: 82 Resp: 414203

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

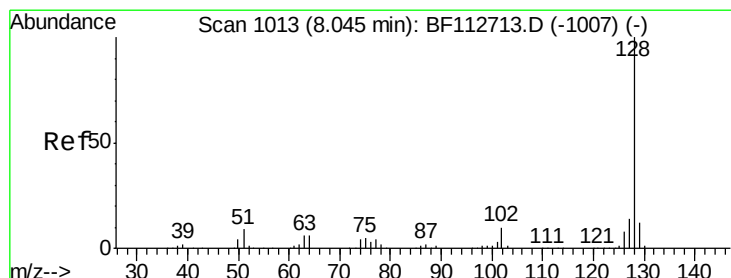
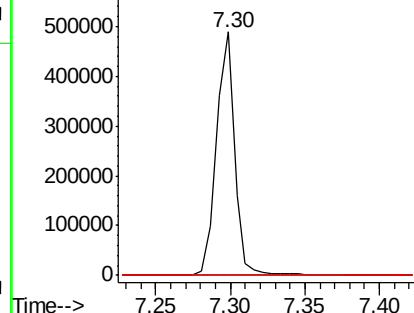
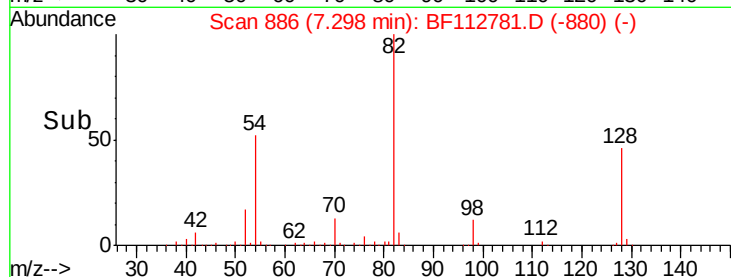
138 0.0 13.8 20.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 0.040 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

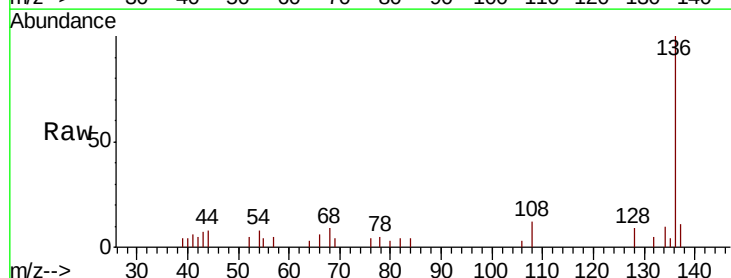
Tgt Ion: 128 Resp: 724

Ion Ratio Lower Upper

128 100

129 0.0 9.3 13.9#

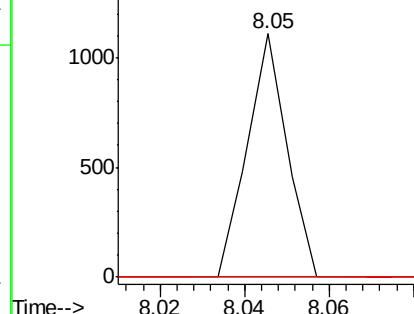
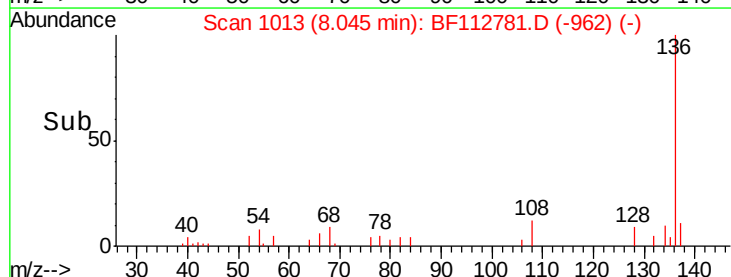
127 0.0 10.9 16.3#

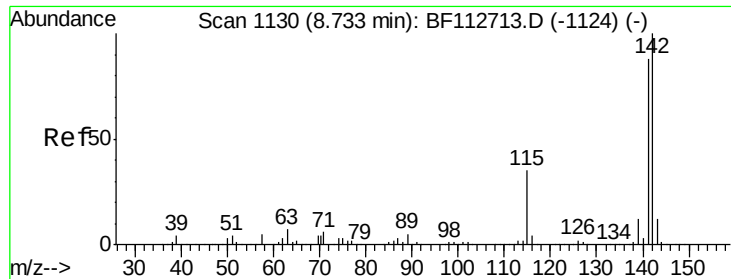


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

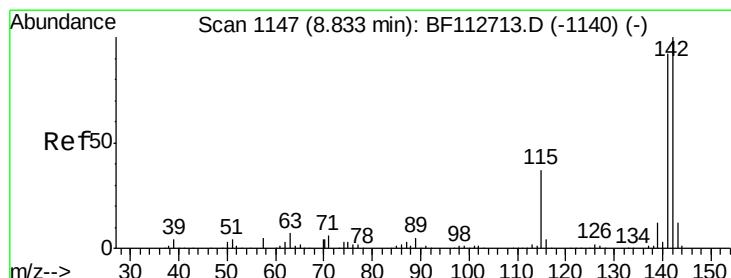
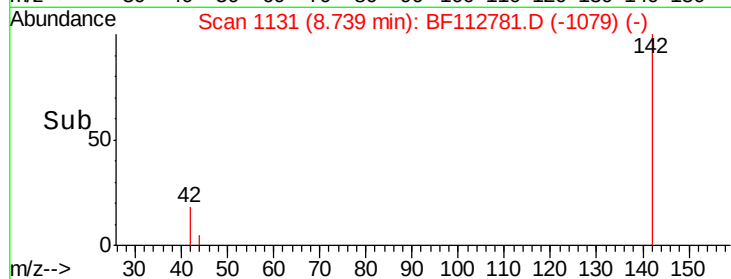
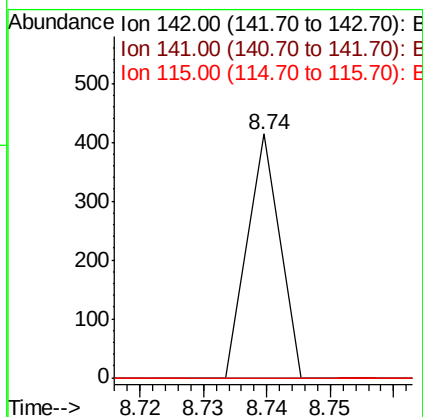
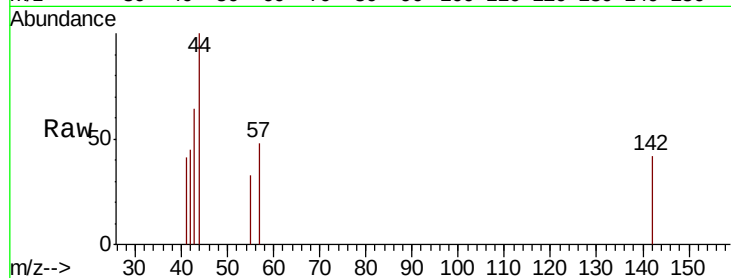




#37
 2-Methylnaphthalene
 Concen: 0.012 ng
 RT: 8.74 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: BF112781.D
 Acq: 1 Mar 2019 00:27

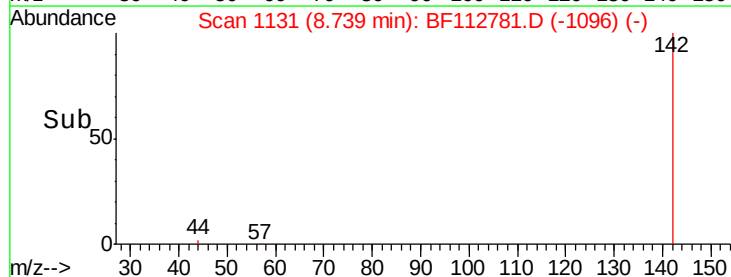
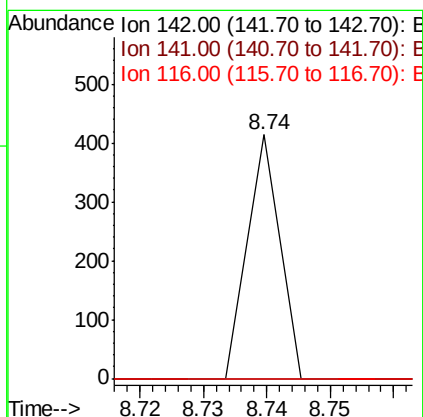
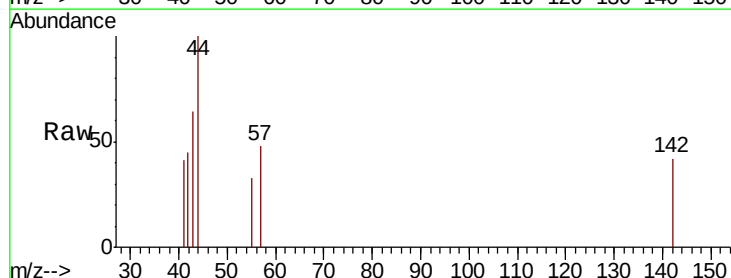
Instrument :
 BNA_F
 ClientSampleId :
 CON-327

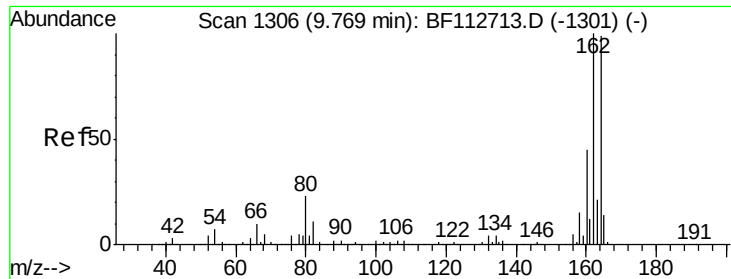
Tgt Ion:142 Resp: 146
 Ion Ratio Lower Upper
 142 100
 141 0.0 70.3 105.5#
 115 0.0 27.8 41.6#



#38
 1-Methylnaphthalene
 Concen: 0.013 ng
 RT: 8.74 min Scan# 1131
 Delta R.T. -0.09 min
 Lab File: BF112781.D
 Acq: 1 Mar 2019 00:27

Tgt Ion:142 Resp: 146
 Ion Ratio Lower Upper
 142 100
 141 0.0 73.7 110.5#
 116 0.0 3.1 4.7#

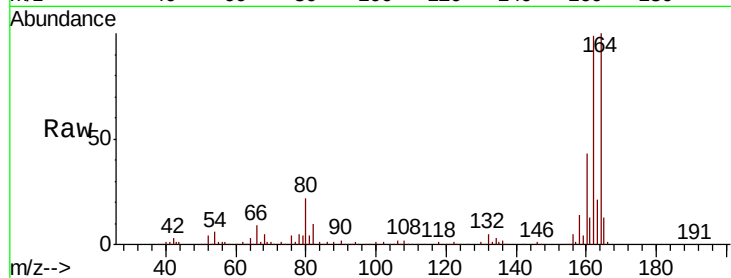




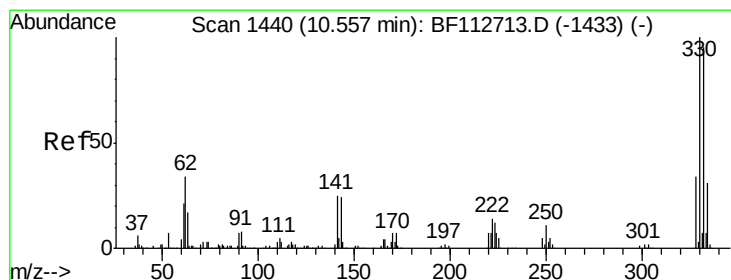
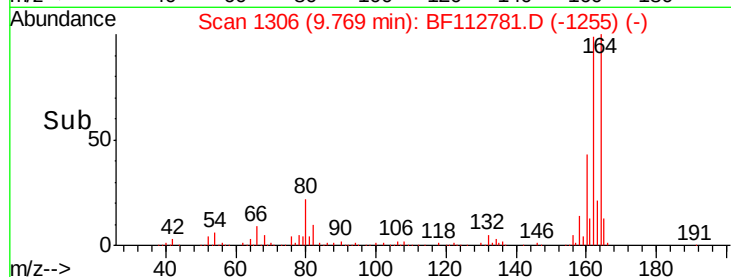
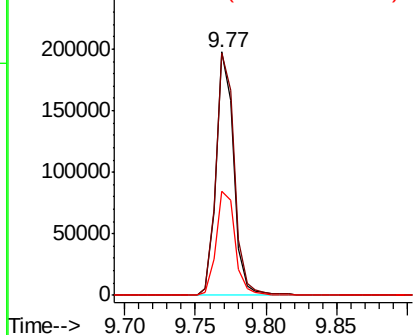
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Instrument :
BNA_F
ClientSampleId :
CON-327

Tgt Ion:164 Resp: 172102
Ion Ratio Lower Upper
164 100
162 99.3 80.6 120.8
160 42.6 36.0 54.0

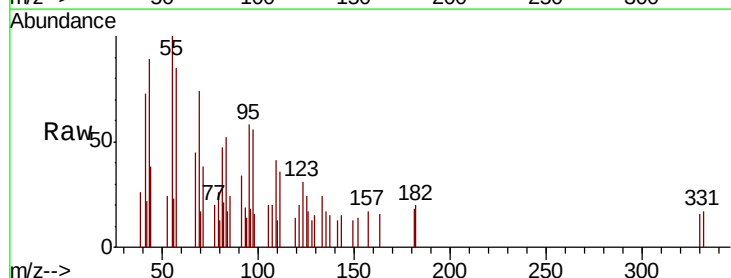


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

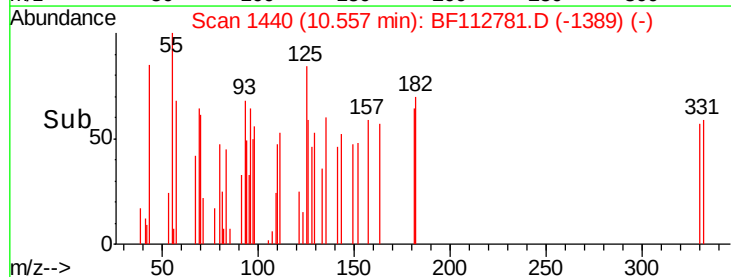
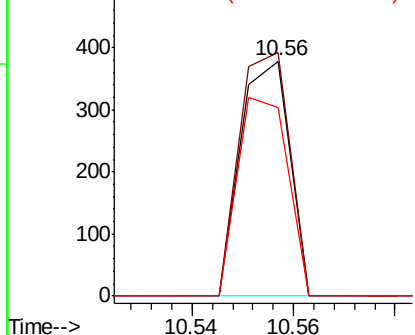


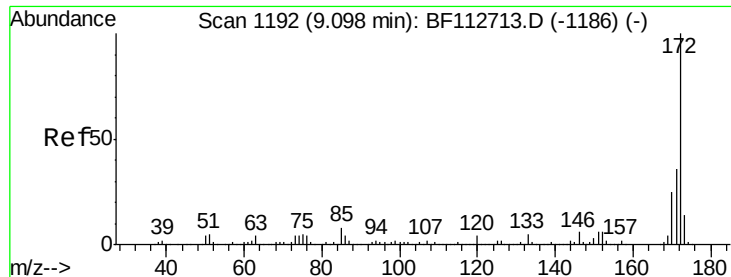
#42
2,4,6-Tribromophenol
Concen: 0.139 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Tgt Ion:330 Resp: 254
Ion Ratio Lower Upper
330 100
332 105.9 76.2 114.4
141 86.6 27.0 40.6#



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

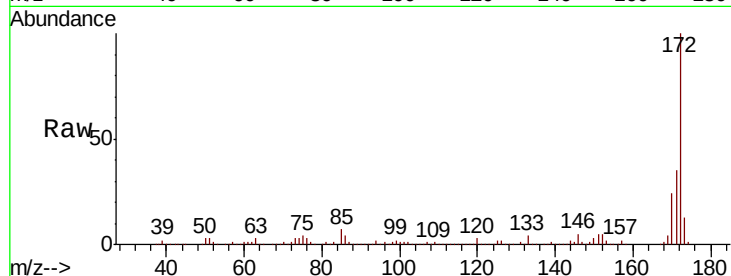




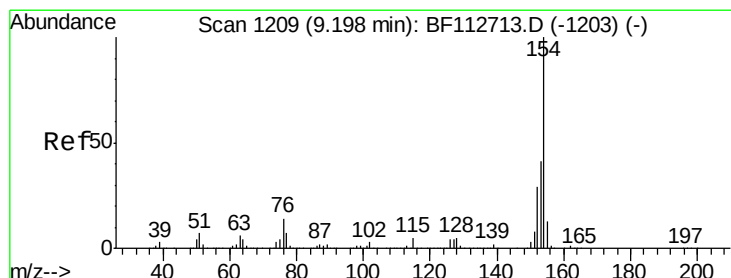
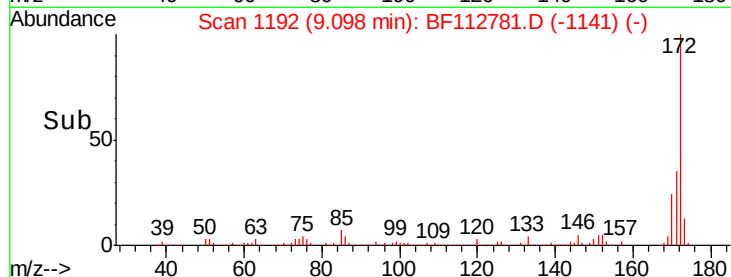
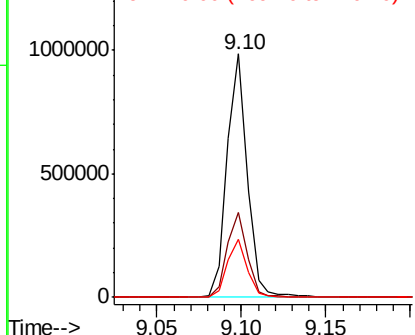
#45
2-Fluorobiphenyl
Concen: 81.289 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Instrument :
BNA_F
ClientSampleId :
CON-327

Tgt Ion:172 Resp: 820981
Ion Ratio Lower Upper
172 100
171 35.1 29.0 43.4
170 24.0 20.0 30.0

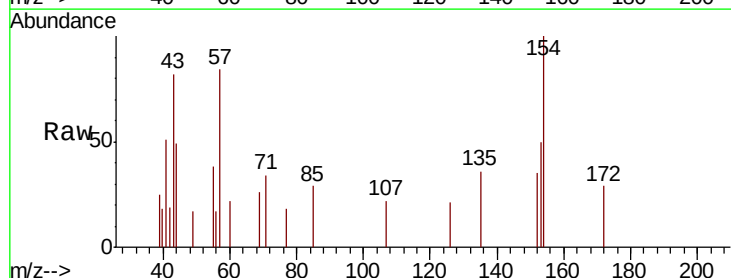


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

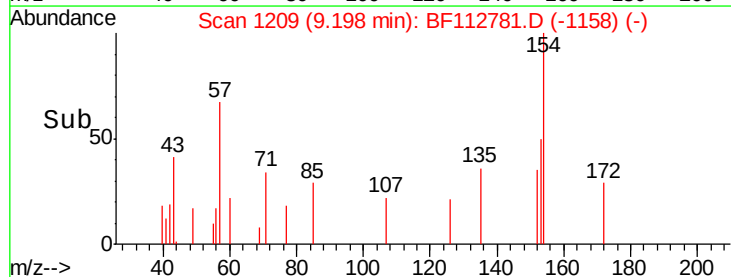
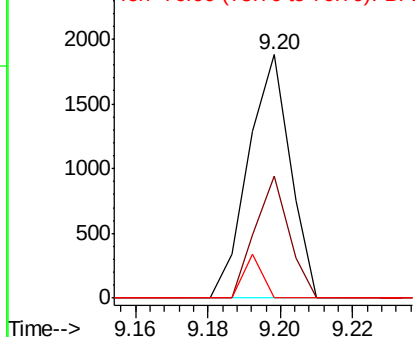


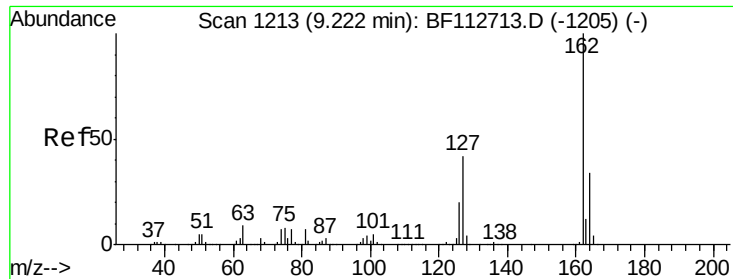
#46
1,1'-Biphenyl
Concen: 0.107 ng
RT: 9.20 min Scan# 1209
Delta R.T. 0.00 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Tgt Ion:154 Resp: 1507
Ion Ratio Lower Upper
154 100
153 49.9 20.8 60.8
76 0.0 0.0 33.8



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

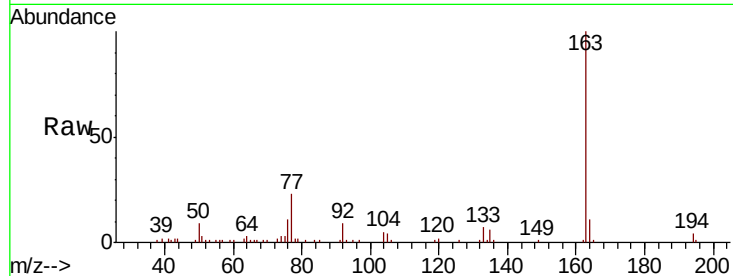




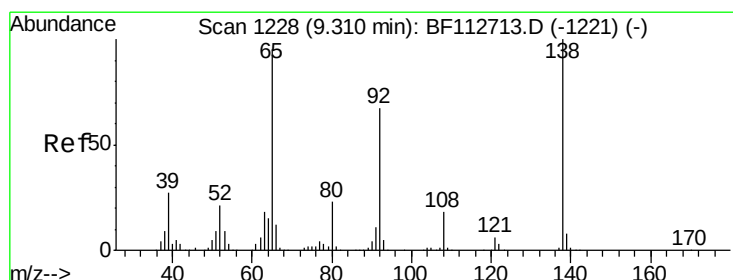
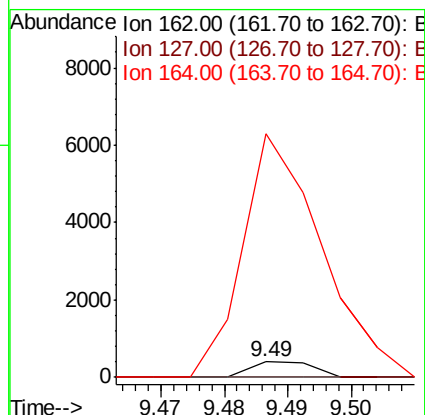
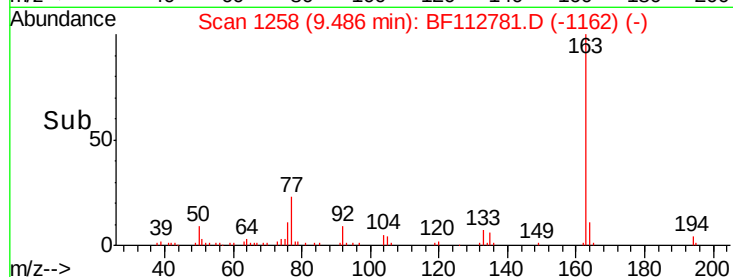
#47
2-Chloronaphthalene
Concen: 0.024 ng
RT: 9.49 min Scan# 1258
Delta R.T. 0.26 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Instrument :
BNA_F
ClientSampleId :
CON-327

Tgt Ion: 162 Resp: 268
Ion Ratio Lower Upper
162 100
127 0.0 33.4 50.2#
164 1597.5 26.9 40.3#

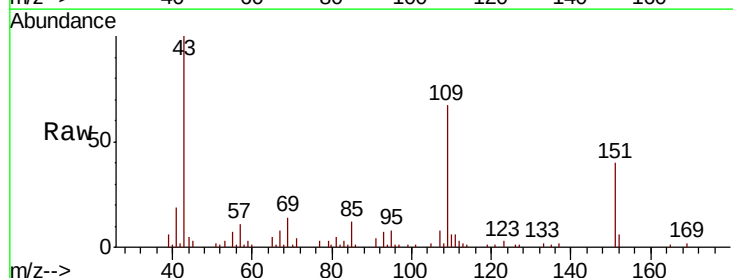


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

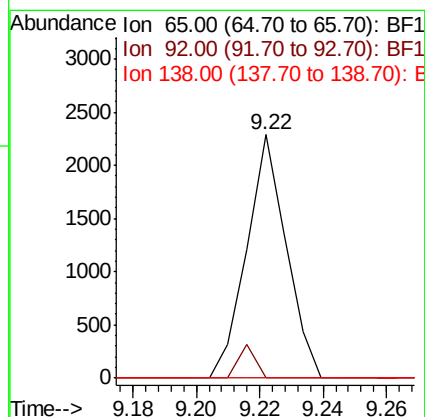
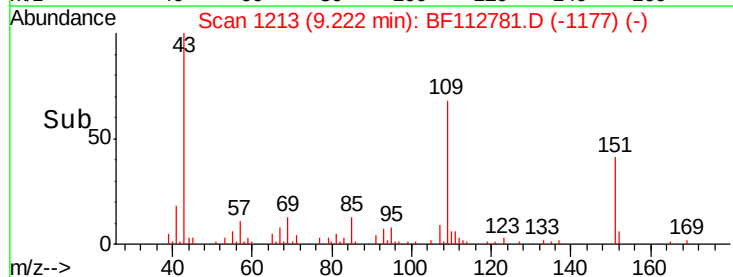


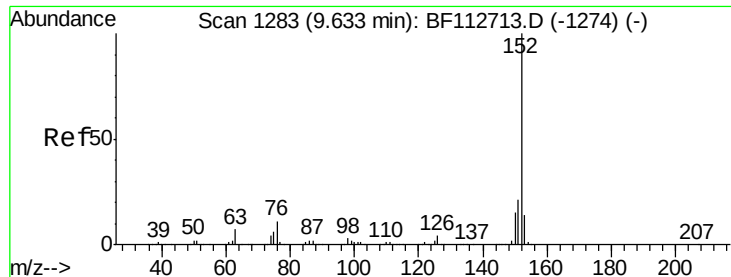
#48
2-Nitroaniline
Concen: 0.595 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.09 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Tgt Ion: 65 Resp: 1984
Ion Ratio Lower Upper
65 100
92 0.0 56.4 84.6#
138 0.0 84.6 126.8#



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): E





#49

Acenaphthylene

Concen: 0.177 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

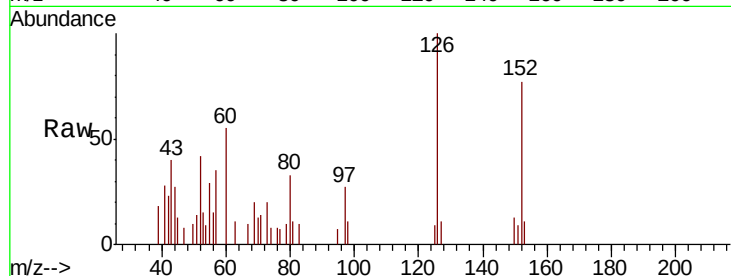
Tgt Ion:152 Resp: 3287

Ion Ratio Lower Upper

152 100

151 11.0 16.9 25.3#

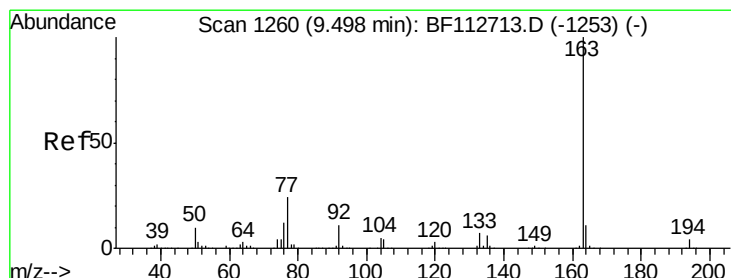
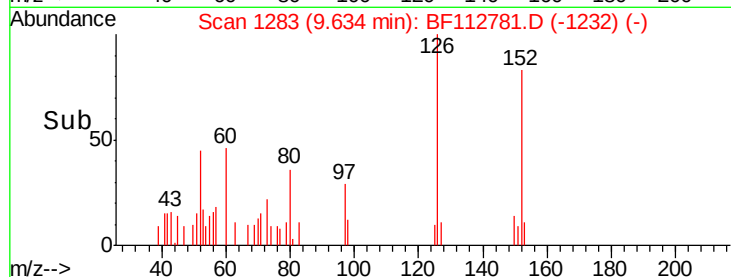
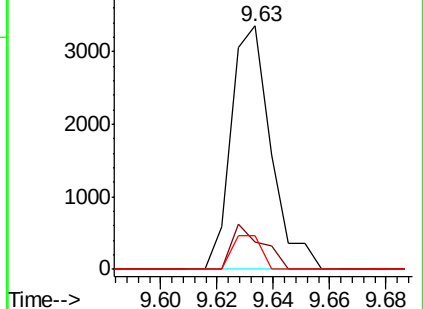
153 13.7 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.276 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

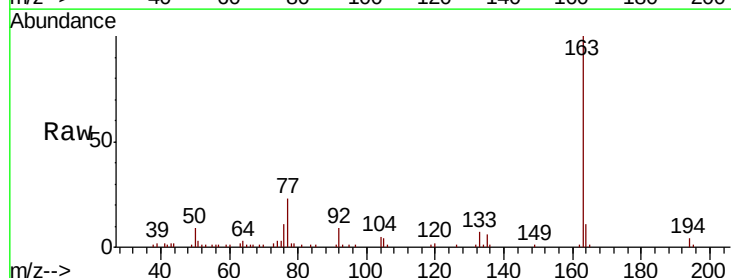
Tgt Ion:163 Resp: 54264

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.4

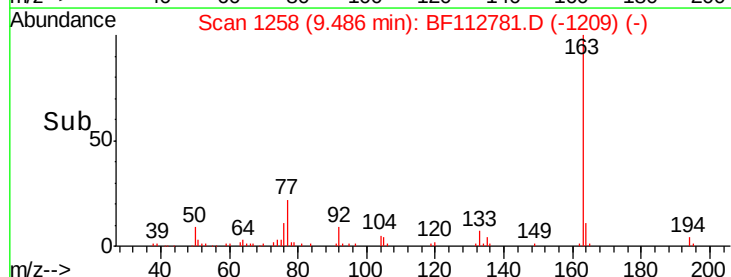
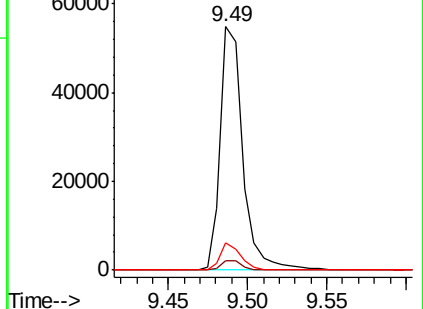
164 11.5 8.4 12.6

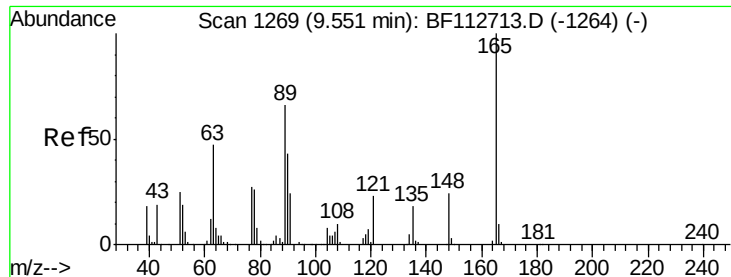


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

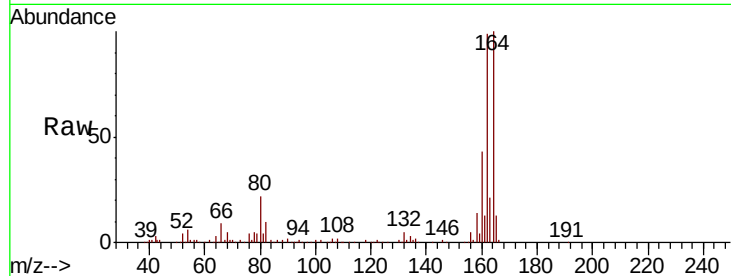




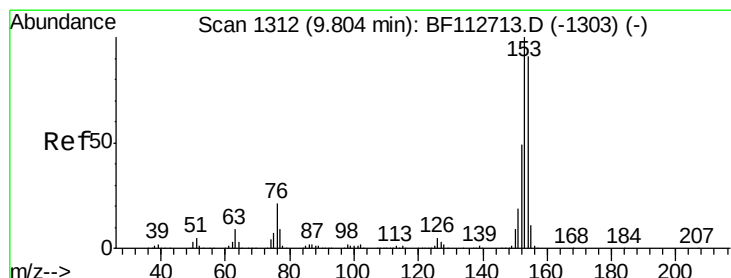
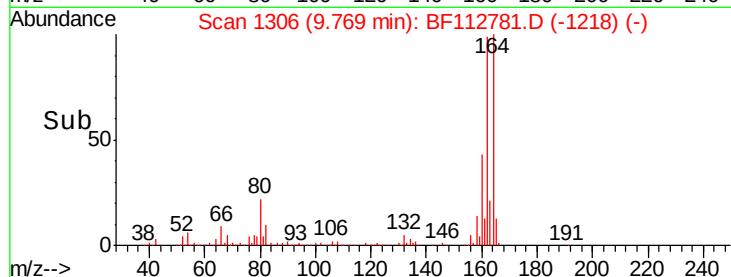
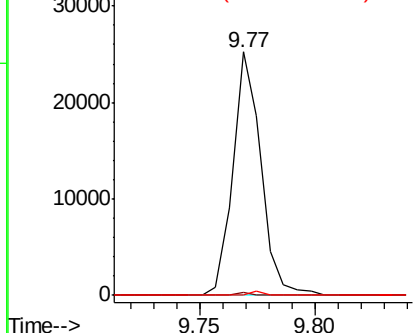
#51
2,6-Dinitrotoluene
Concen: 8.087 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.22 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Instrument :
BNA_F
ClientSampleId :
CON-327

Tgt Ion:165 Resp: 21371
Ion Ratio Lower Upper
165 100
63 1.4 54.1 81.1#
89 0.0 52.8 79.2#

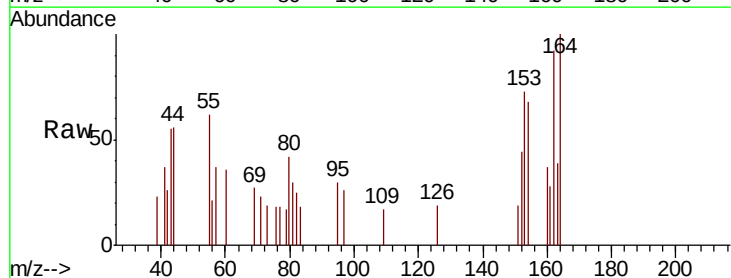


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

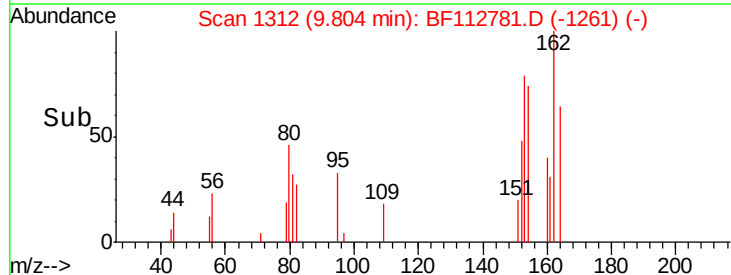
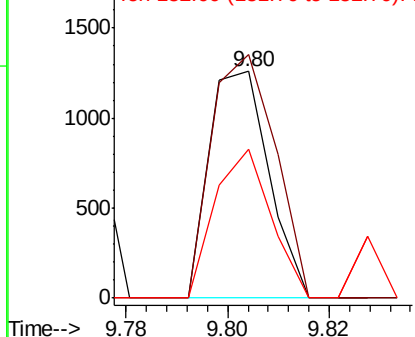


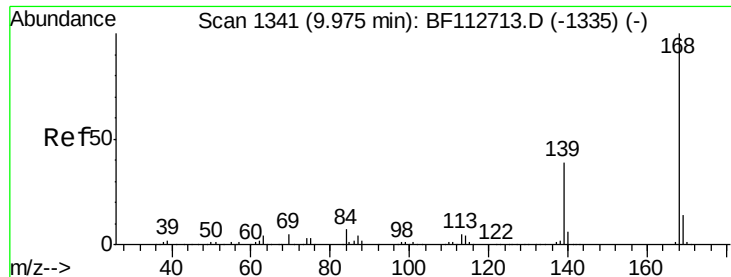
#52
Acenaphthene
Concen: 0.095 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Tgt Ion:154 Resp: 1031
Ion Ratio Lower Upper
154 100
153 107.4 87.8 131.8
152 65.5 43.0 64.6#



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

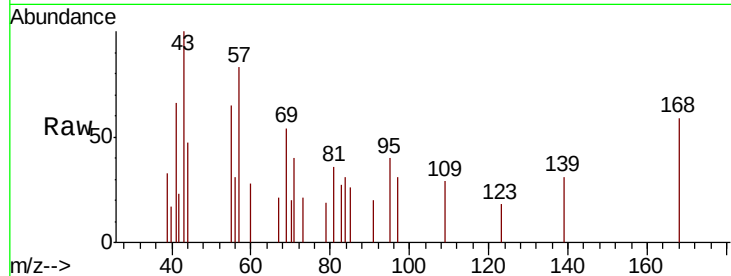




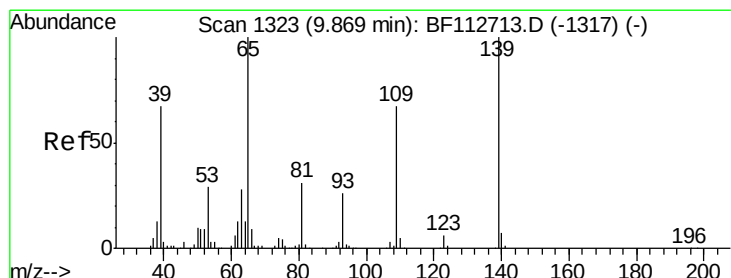
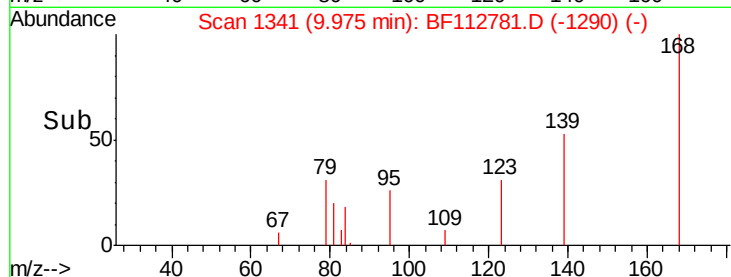
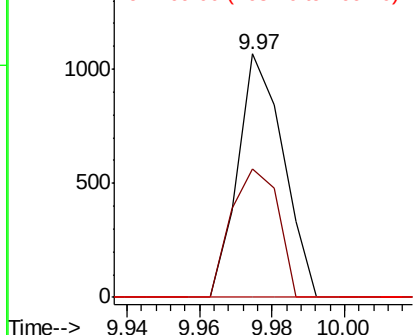
#55
Dibenzenofuran
Concen: 0.058 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Instrument :
BNA_F
ClientSampled :
CON-327

Tgt Ion:168 Resp: 925
Ion Ratio Lower Upper
168 100
139 52.8 31.3 46.9#
169 0.0 11.3 16.9#

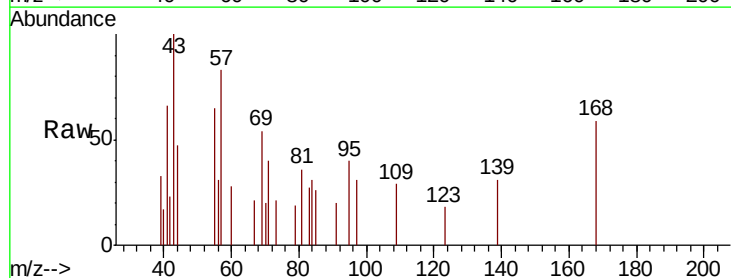


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

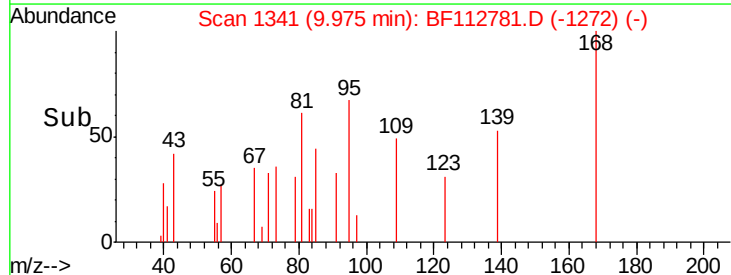
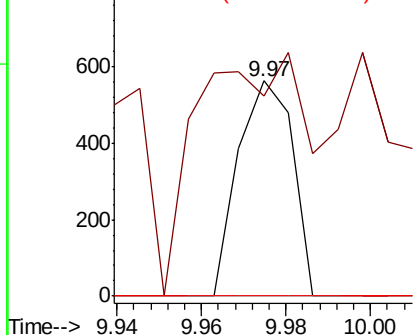


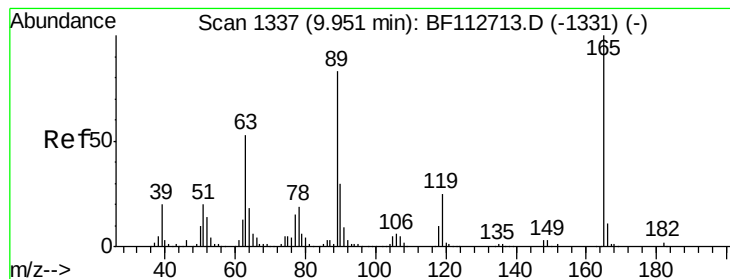
#56
4-Nitrophenol
Concen: 0.193 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.11 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Tgt Ion:139 Resp: 505
Ion Ratio Lower Upper
139 100
109 93.3 46.8 86.8#
65 0.0 80.7 120.7#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.506 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.18 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

Tgt Ion:165 Resp: 21371

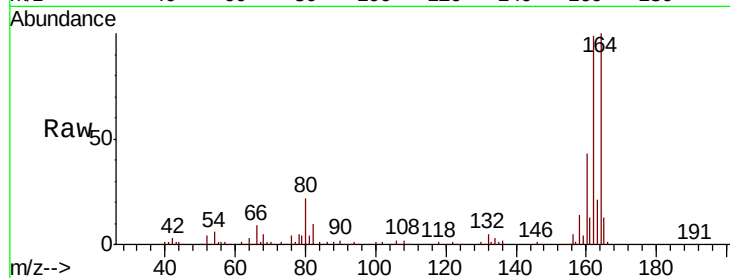
Ion Ratio Lower Upper

165 100

63 1.4 42.2 63.2#

89 0.0 66.2 99.4#

182 0.0 1.8 2.6#

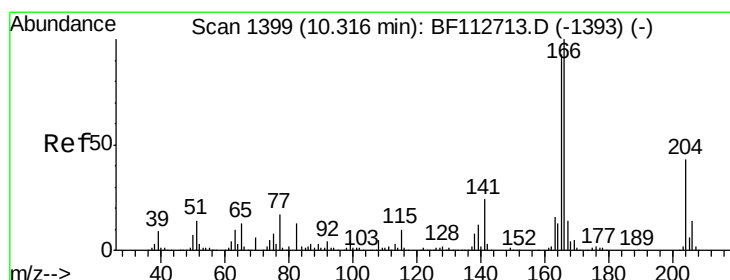
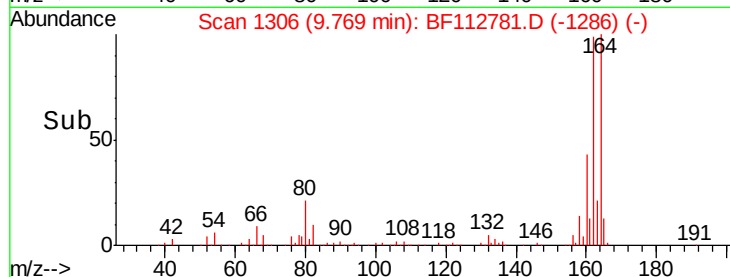
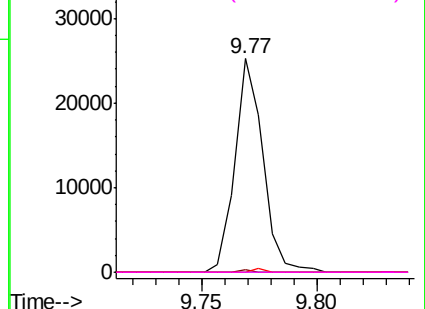


Abundance Ion 165.00 (164.70 to 165.70): E

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



#58

Fluorene

Concen: 0.149 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

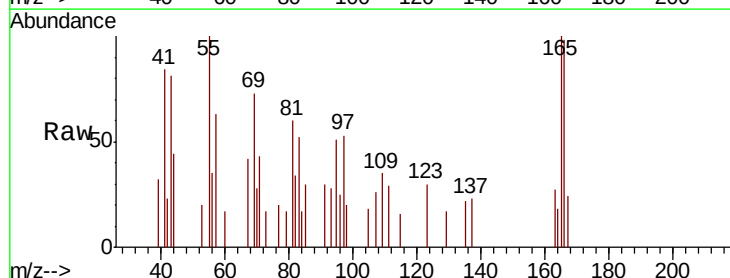
Tgt Ion:166 Resp: 1671

Ion Ratio Lower Upper

166 100

165 102.2 74.7 112.1

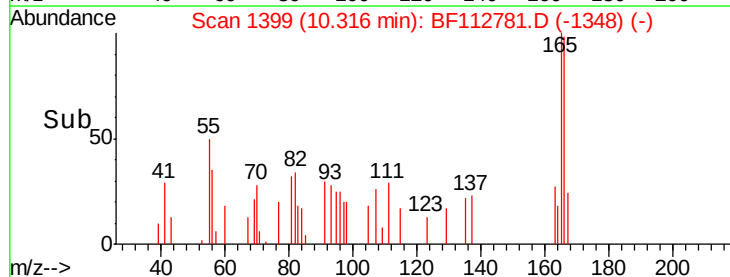
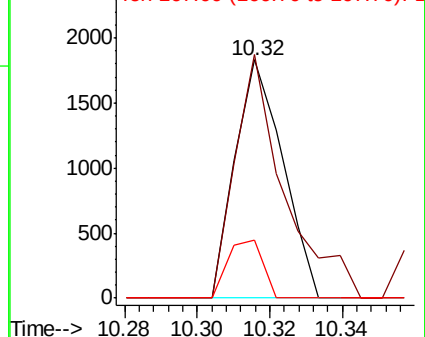
167 24.6 11.0 16.6#

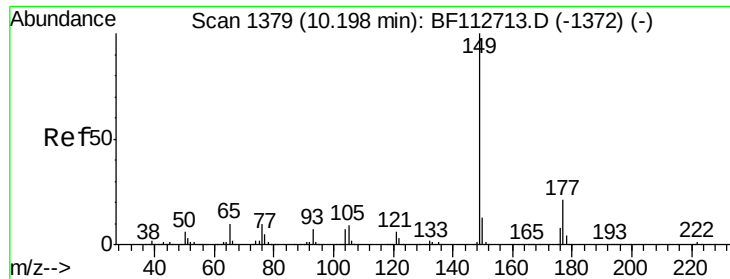


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

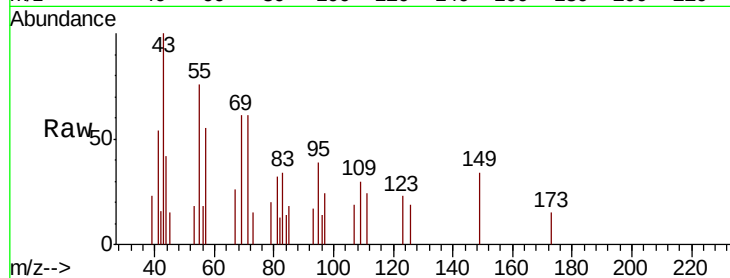




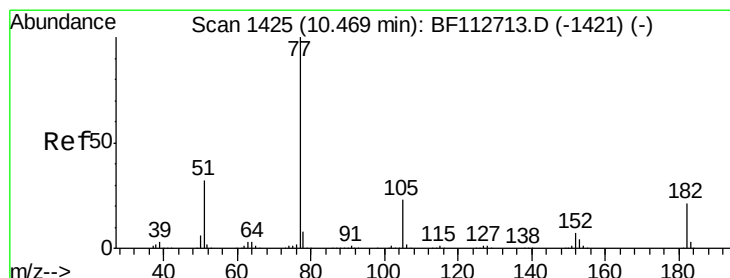
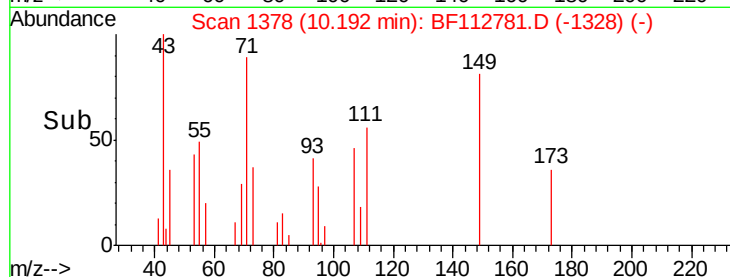
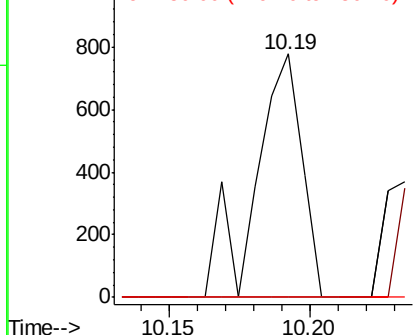
#60
Diethylphthalate
Concen: 0.067 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Instrument :
BNA_F
ClientSampleId :
CON-327

Tgt Ion: 149 Resp: 893
Ion Ratio Lower Upper
149 100
177 0.0 17.0 25.6#
150 0.0 10.0 15.0#

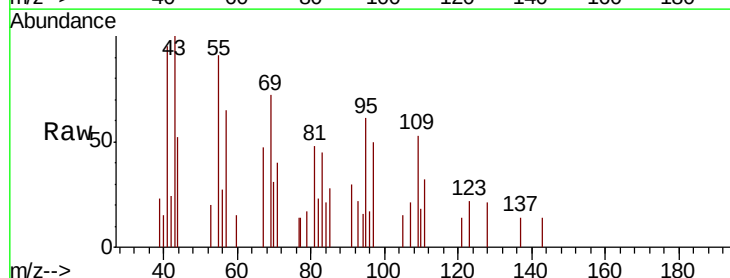


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

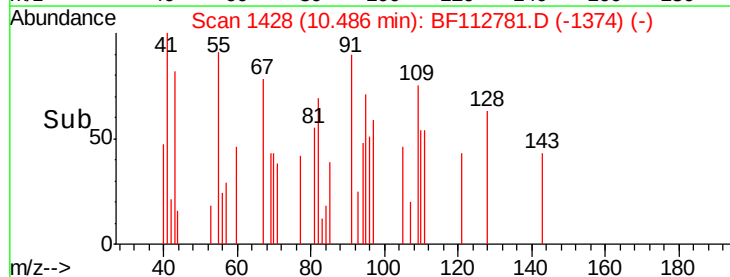
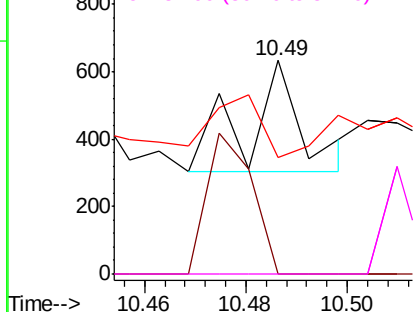


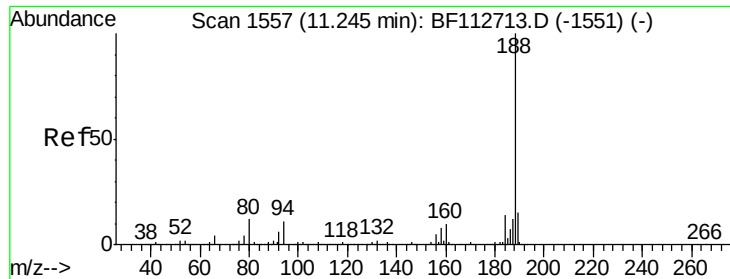
#63
Azobenzene
Concen: 0.018 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.02 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Tgt Ion: 77 Resp: 247
Ion Ratio Lower Upper
77 100
182 0.0 1.4 41.4#
105 54.6 2.6 42.6#
51 0.0 12.0 52.0#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

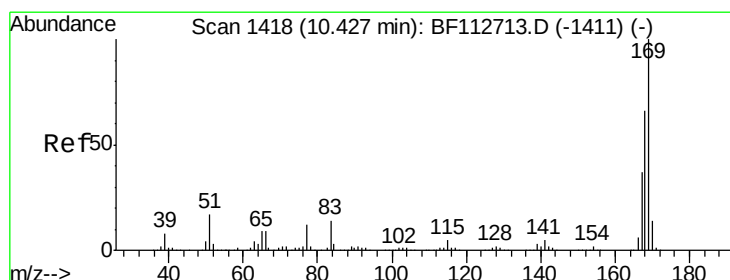
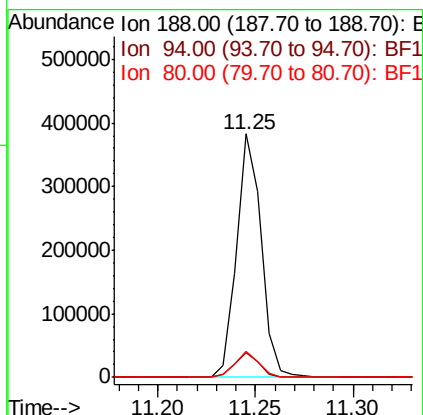
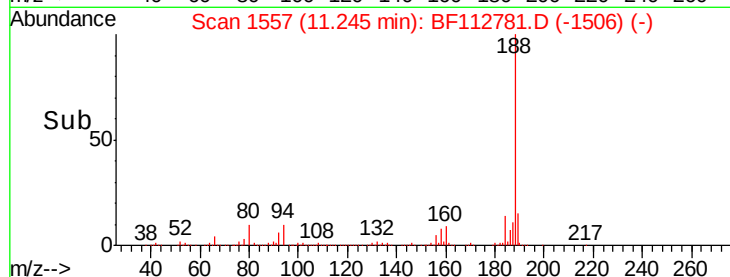
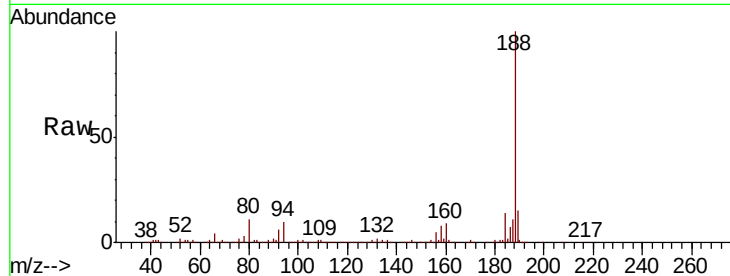
Tgt Ion:188 Resp: 334834

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.4

80 10.6 9.2 13.8



#66

n-Nitrosodiphenylamine

Concen: 0.013 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.14 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

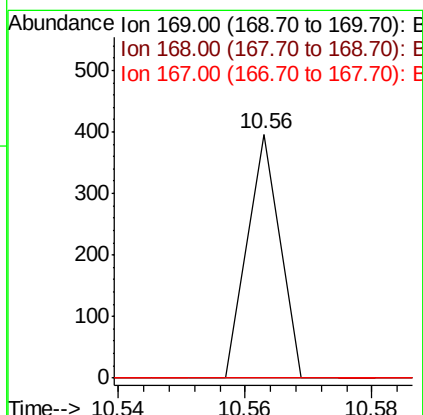
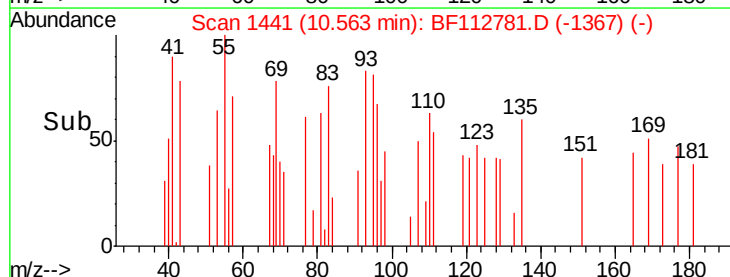
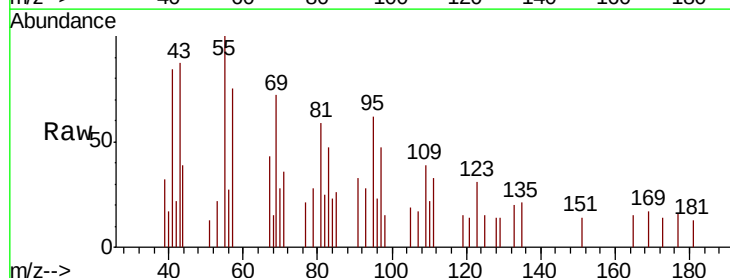
Tgt Ion:169 Resp: 140

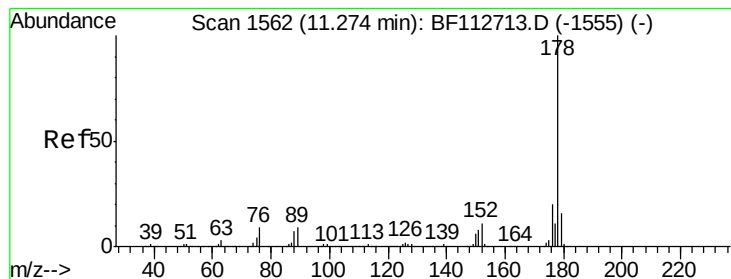
Ion Ratio Lower Upper

169 100

168 0.0 53.0 79.6#

167 0.0 29.3 43.9#





#71

Phenanthrene

Concen: 0.692 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampled :

CON-327

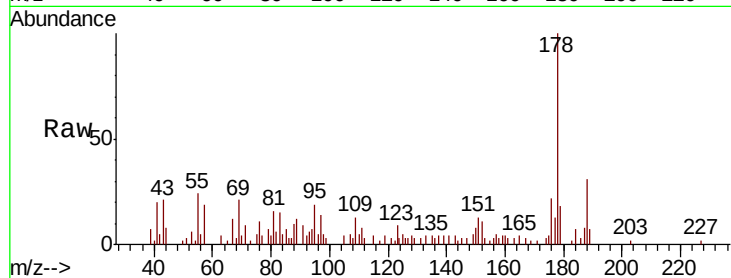
Tgt Ion:178 Resp: 11523

Ion Ratio Lower Upper

178 100

176 22.3 16.3 24.5

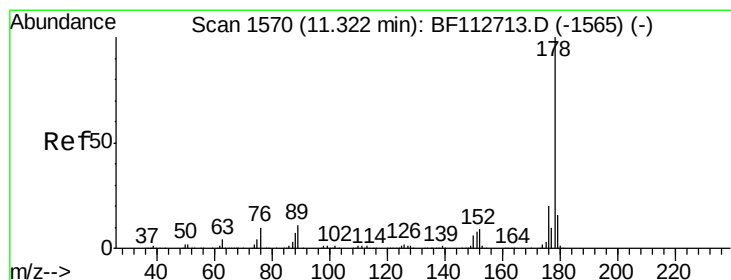
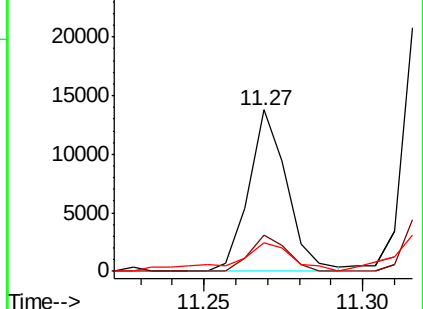
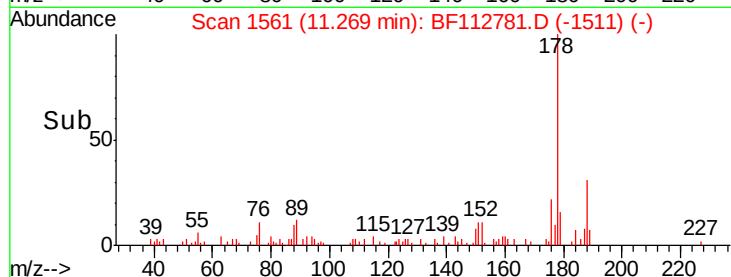
179 17.7 12.7 19.1



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

Anthracene

Concen: 1.807 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

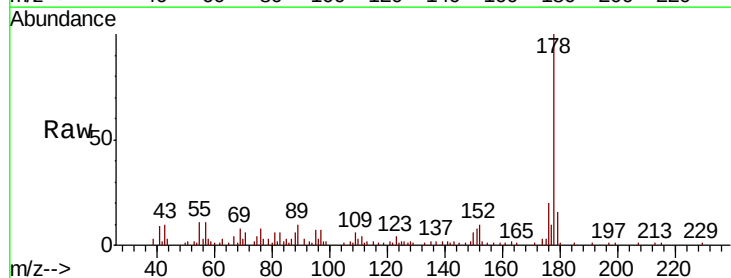
Tgt Ion:178 Resp: 31513

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.6

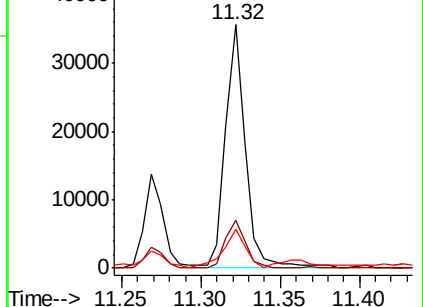
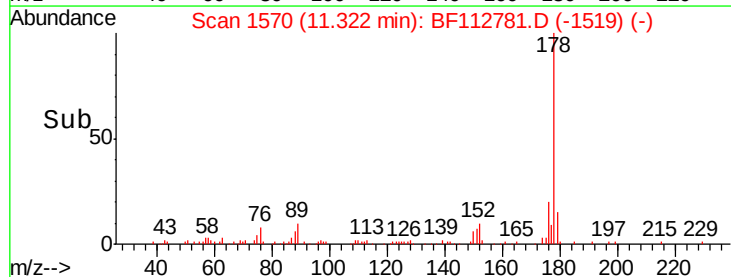
179 16.2 13.0 19.6

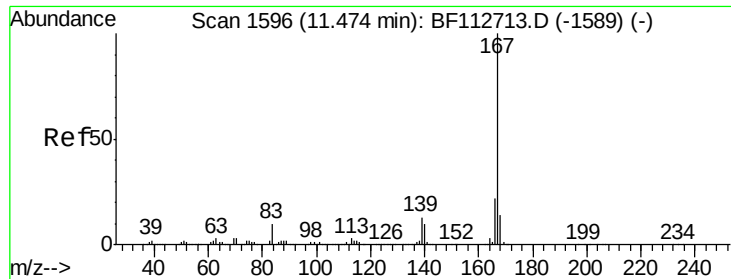


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 0.128 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

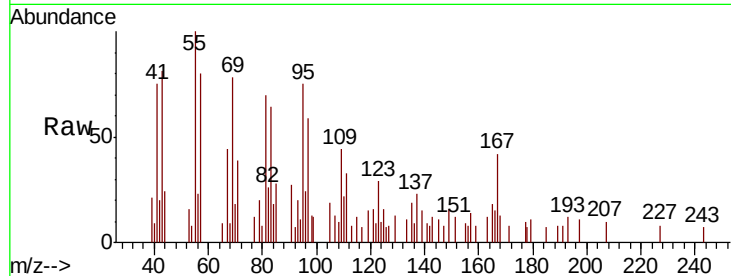
Tgt Ion:167 Resp: 2184

Ion Ratio Lower Upper

167 100

166 34.2 17.5 26.3#

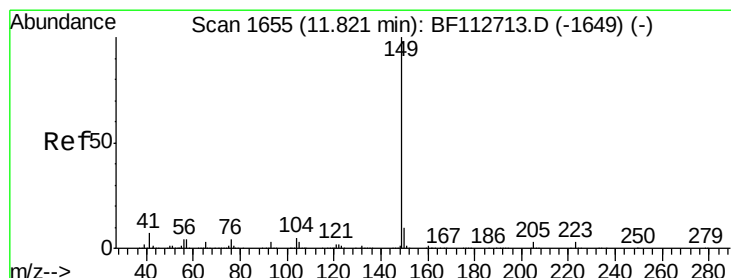
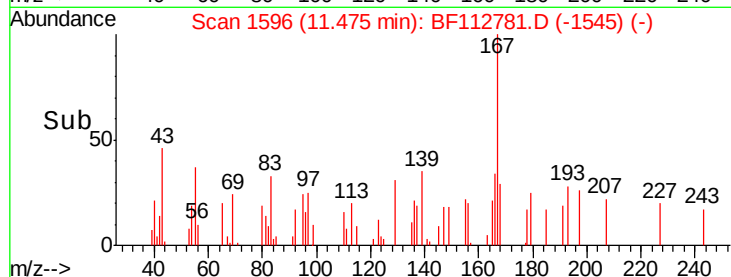
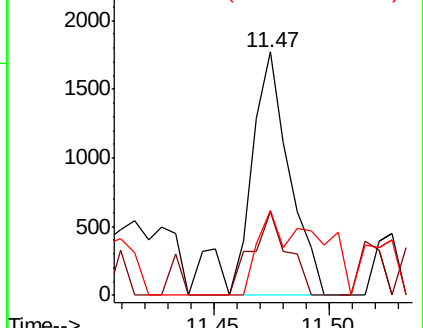
139 35.0 10.8 16.2#



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



#74

Di-n-butylphthalate

Concen: 0.213 ng

RT: 11.82 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

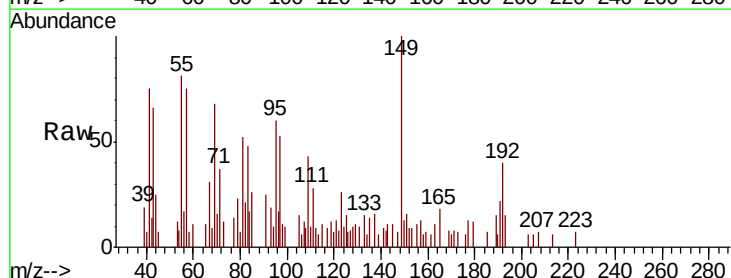
Tgt Ion:149 Resp: 4350

Ion Ratio Lower Upper

149 100

150 12.8 7.6 11.4#

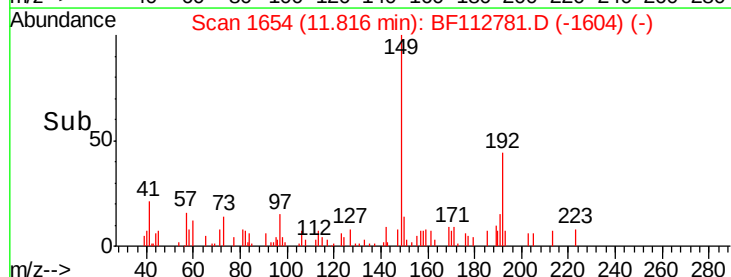
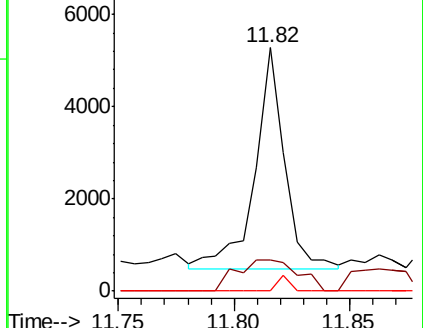
104 0.0 3.7 5.5#

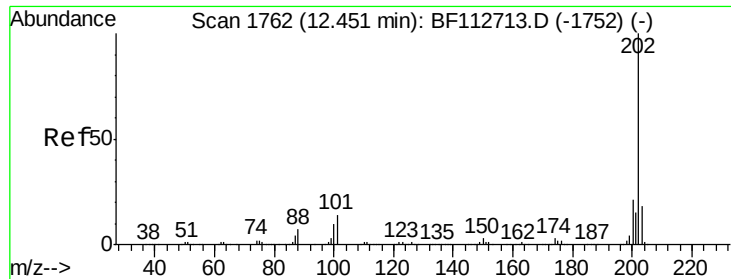


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 5.948 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

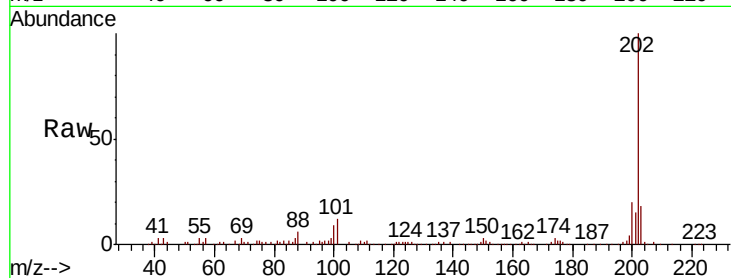
Tgt Ion:202 Resp: 106165

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.8

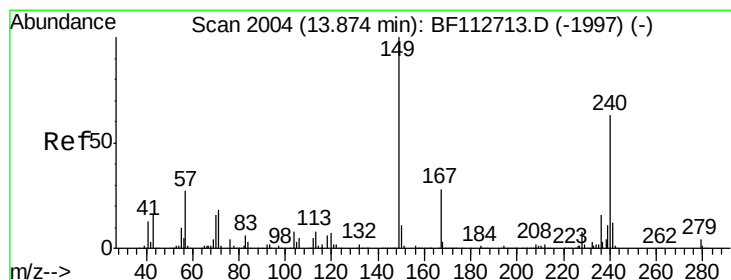
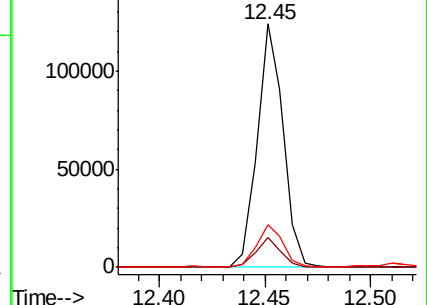
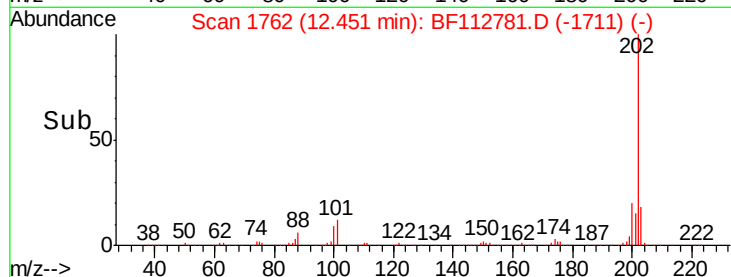
203 17.6 0.0 38.4



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: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

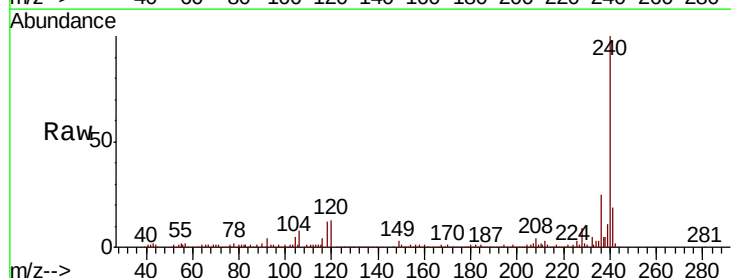
Tgt Ion:240 Resp: 216841

Ion Ratio Lower Upper

240 100

120 12.9 8.9 13.3

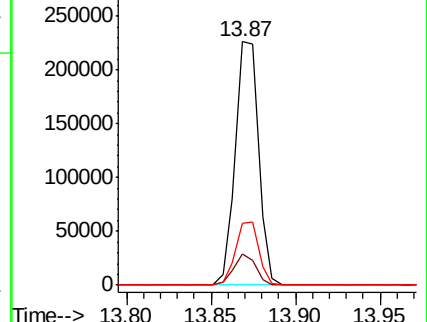
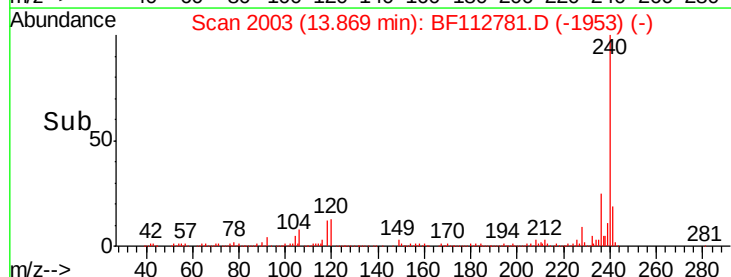
236 25.4 20.7 31.1

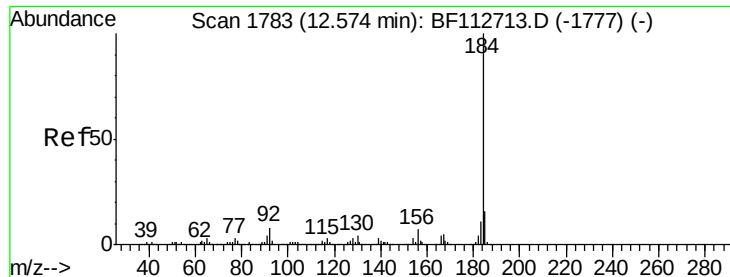


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.866 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.25 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

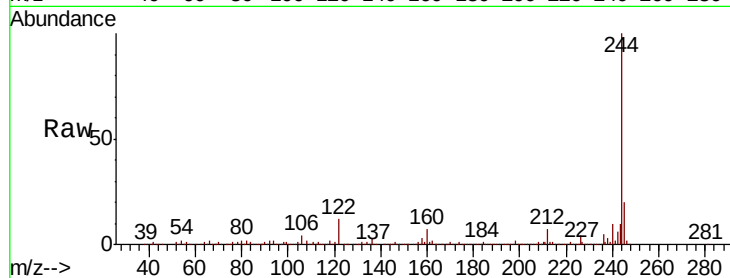
Tgt Ion:184 Resp: 9742

Ion Ratio Lower Upper

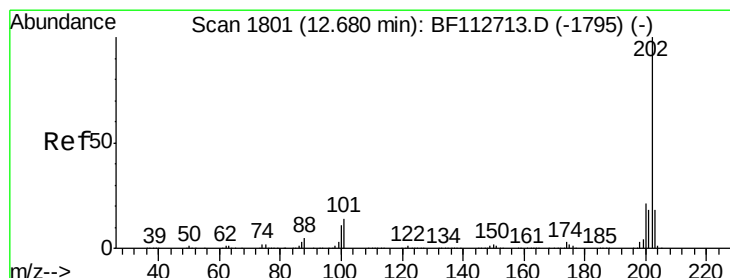
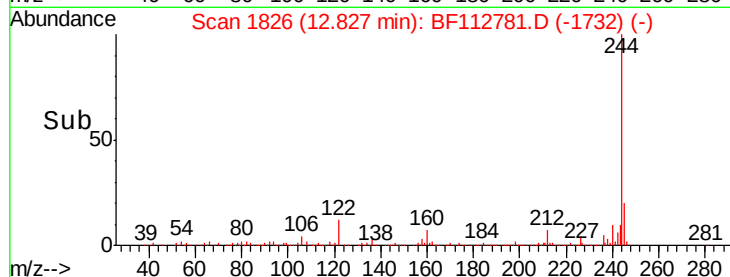
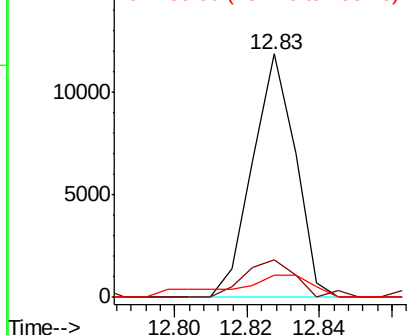
184 100

185 15.7 12.6 18.8

183 9.0 8.6 12.8



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 5.651 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

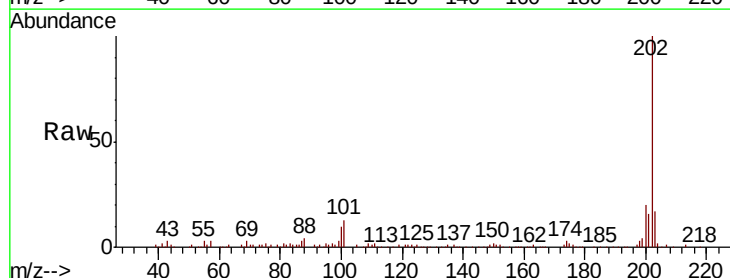
Tgt Ion:202 Resp: 103303

Ion Ratio Lower Upper

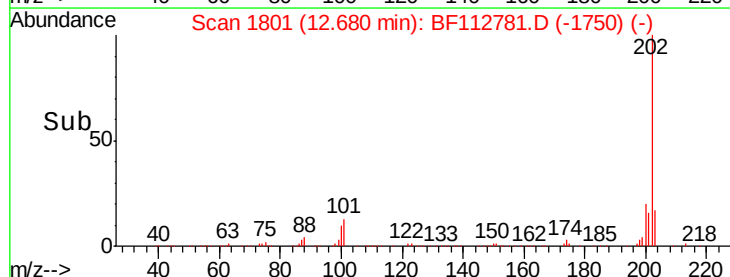
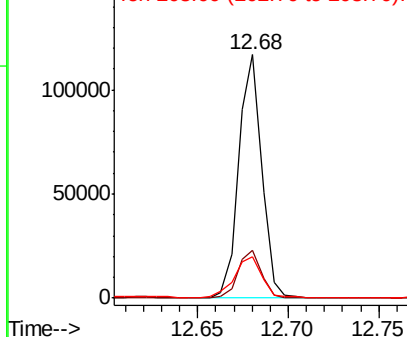
202 100

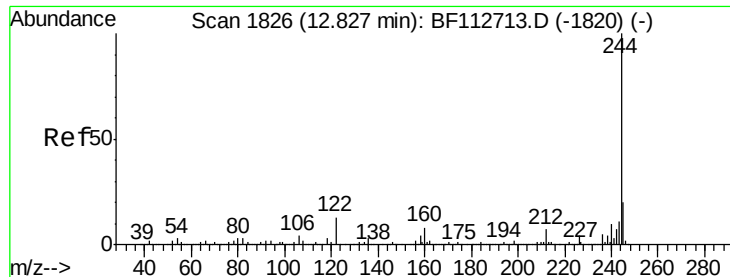
200 19.8 17.0 25.4

203 16.8 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 72.320 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

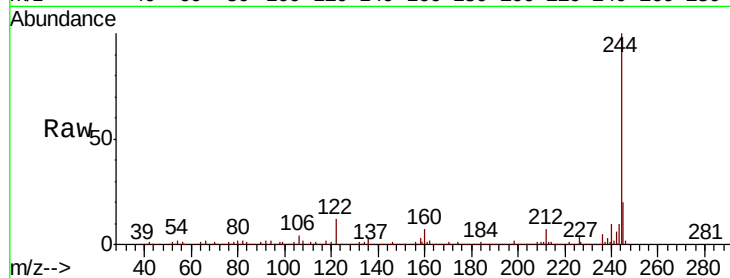
Tgt Ion:244 Resp: 808972

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

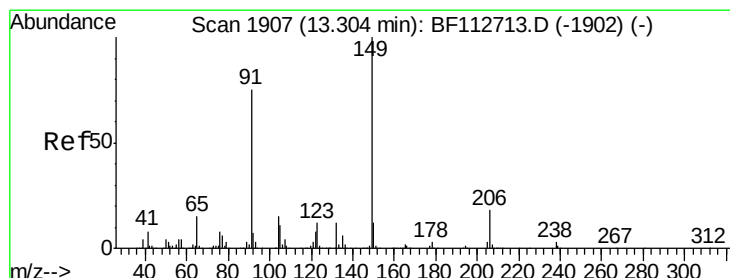
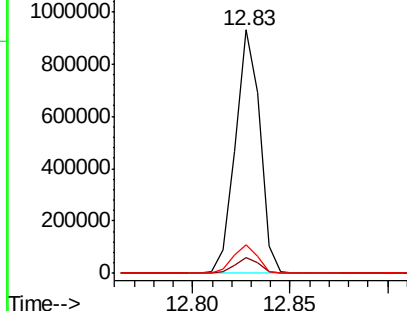
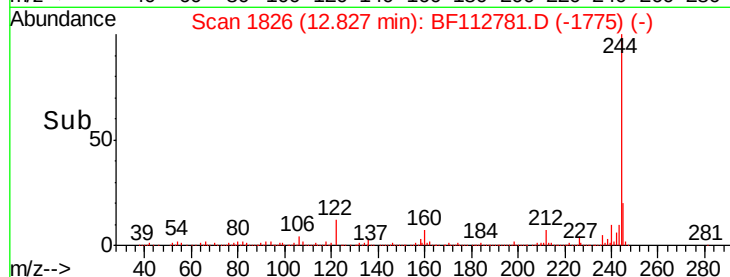
122 11.9 10.5 15.7



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



#80

Butylbenzylphthalate

Concen: 0.068 ng

RT: 13.29 min Scan# 1904

Delta R.T. -0.02 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

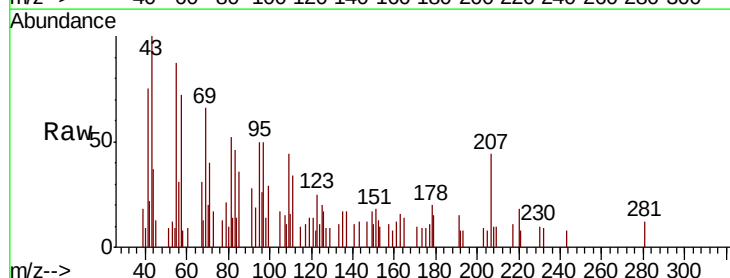
Tgt Ion:149 Resp: 549

Ion Ratio Lower Upper

149 100

91 166.3 59.9 89.9#

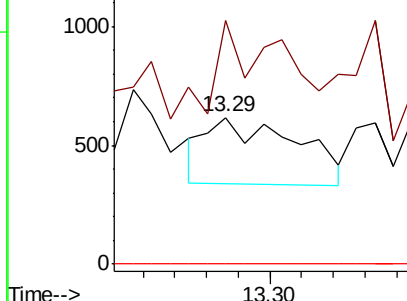
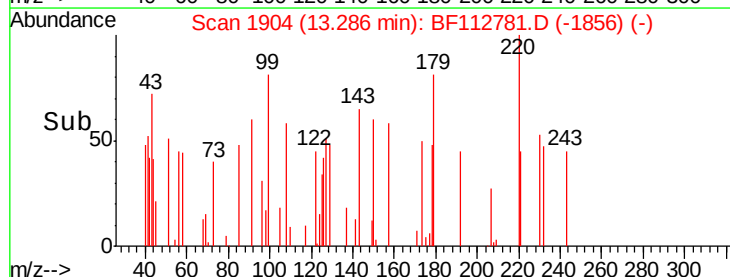
206 0.0 14.7 22.1#

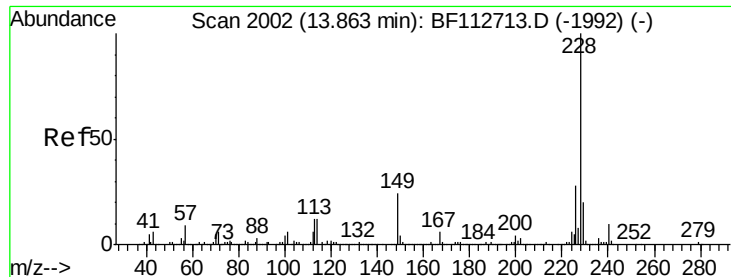


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 2.700 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

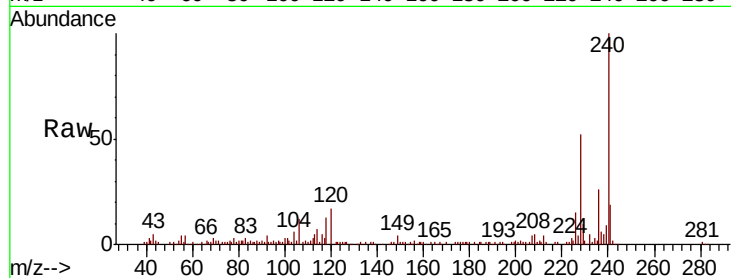
Tgt Ion:228 Resp: 40574

Ion Ratio Lower Upper

228 100

226 29.0 22.2 33.4

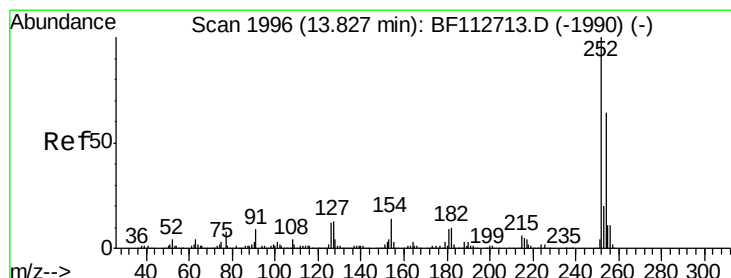
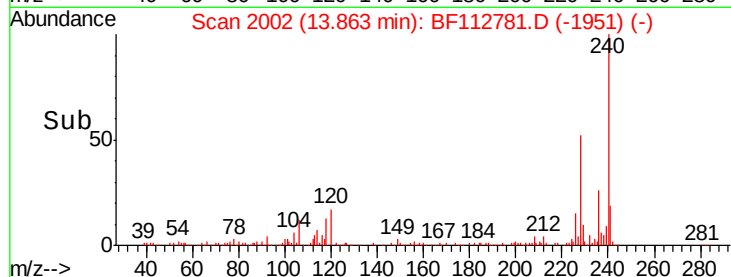
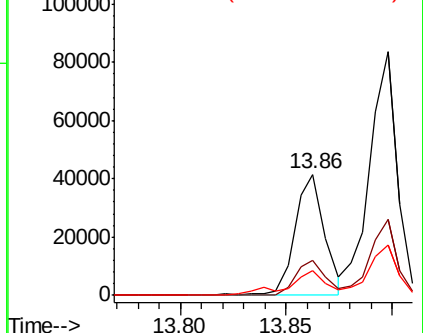
229 20.2 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 0.059 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.09 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

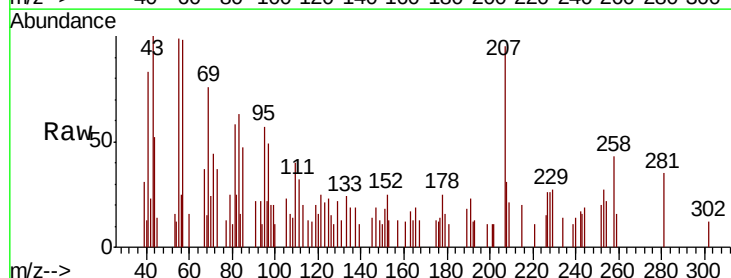
Tgt Ion:252 Resp: 338

Ion Ratio Lower Upper

252 100

254 110.9 51.1 76.7#

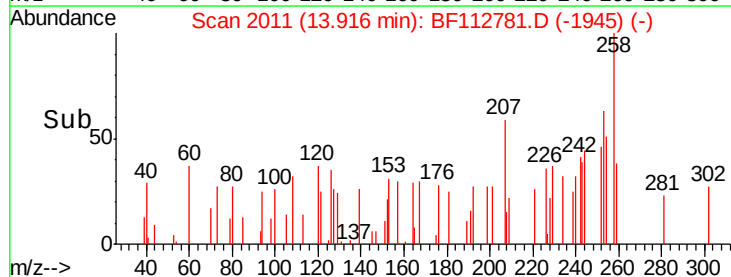
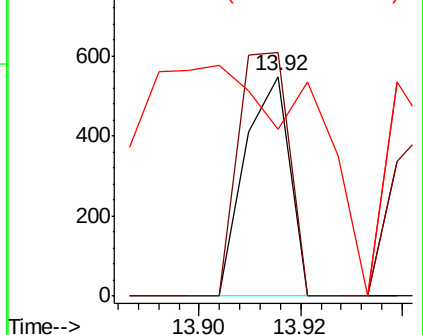
126 76.3 9.9 14.9#

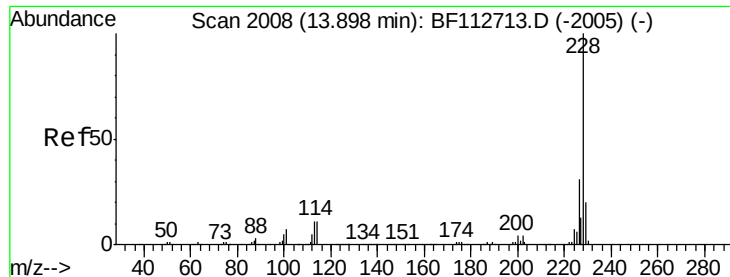


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 5.201 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

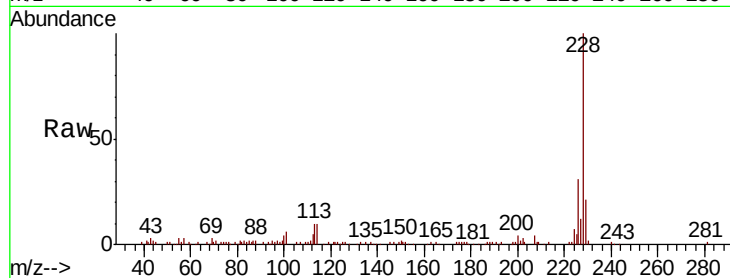
Tgt Ion:228 Resp: 76558

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

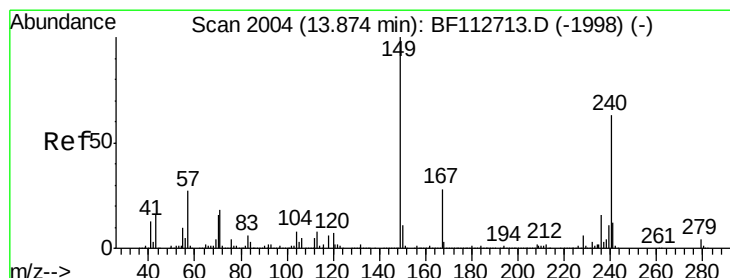
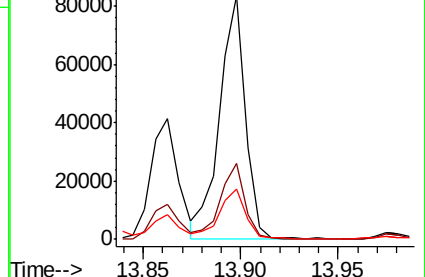
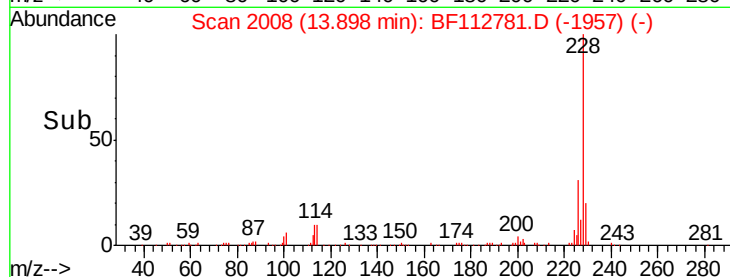
229 20.9 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.773 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

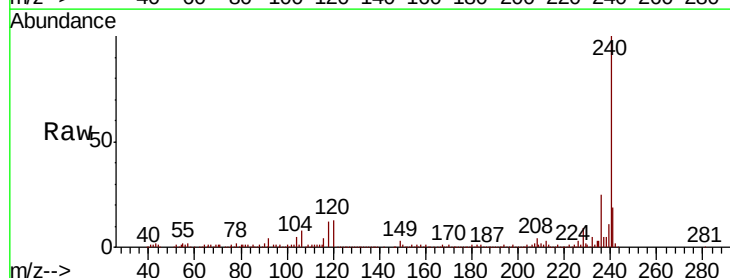
Tgt Ion:149 Resp: 7313

Ion Ratio Lower Upper

149 100

167 31.1 22.4 33.6

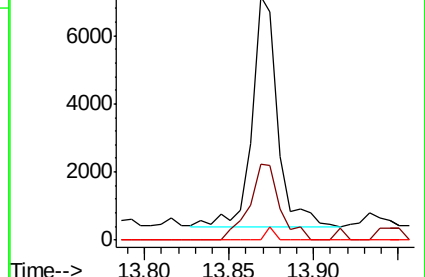
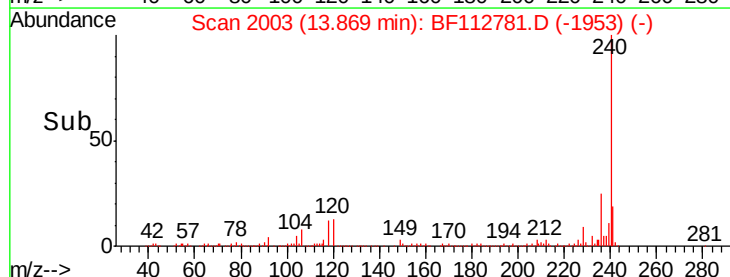
279 0.0 3.3 4.9#

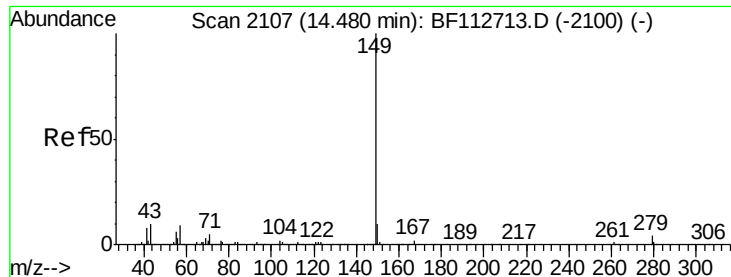


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.032 ng

RT: 14.48 min Scan# 2107

Delta R.T. 0.00 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

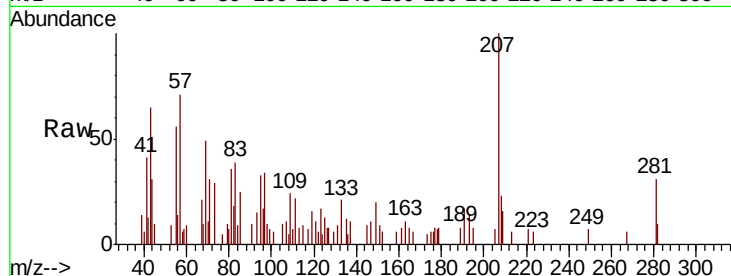
Tgt Ion:149 Resp: 513

Ion Ratio Lower Upper

149 100

167 121.4 1.2 1.8#

43 0.0 9.0 13.4#

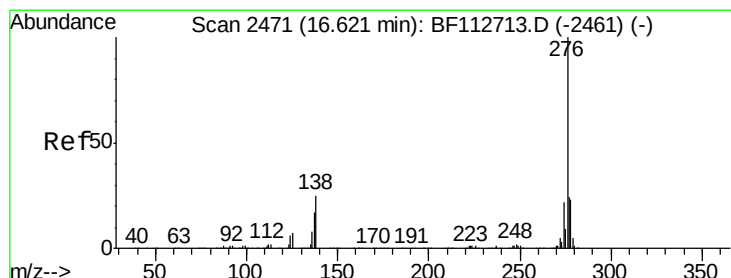
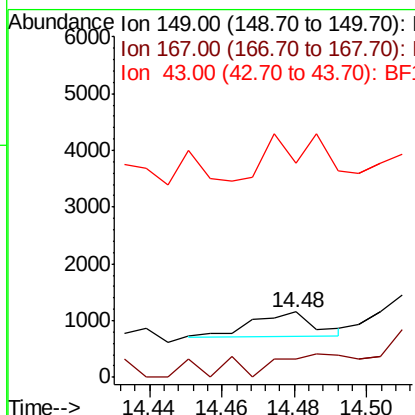
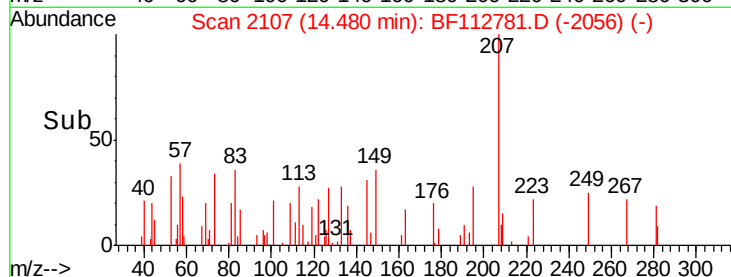


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 0.881 ng

RT: 16.63 min Scan# 2473

Delta R.T. 0.01 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

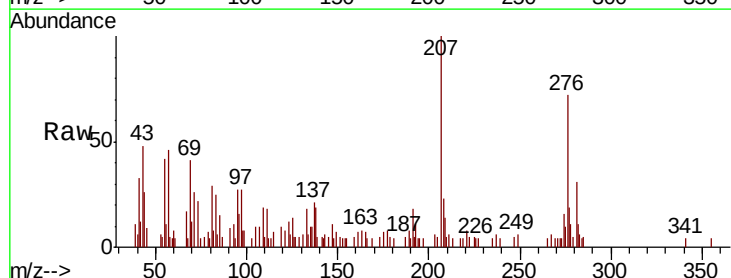
Tgt Ion:276 Resp: 11060

Ion Ratio Lower Upper

276 100

138 31.5 23.2 34.8

277 29.4 19.9 29.9

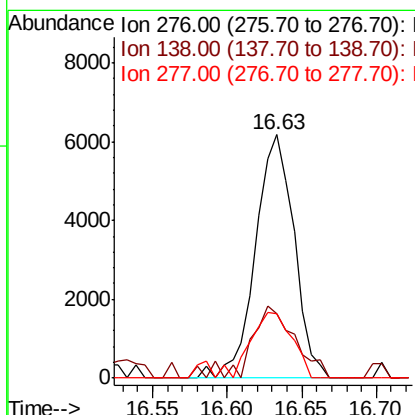
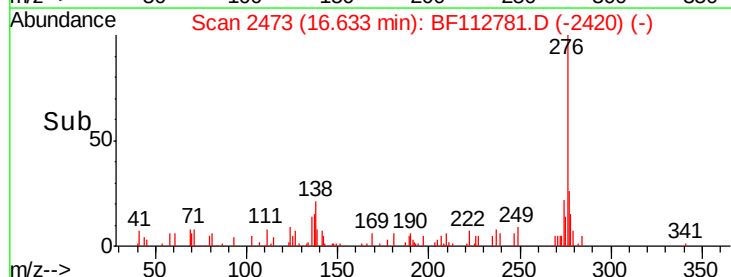


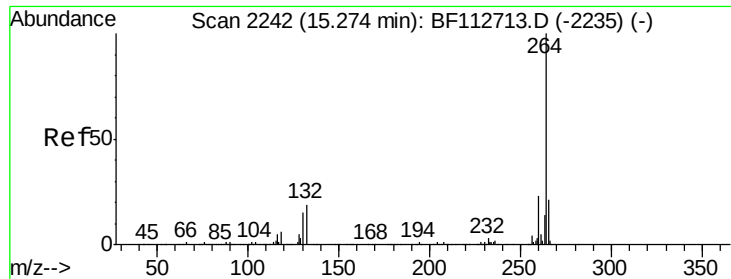
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampled :

CON-327

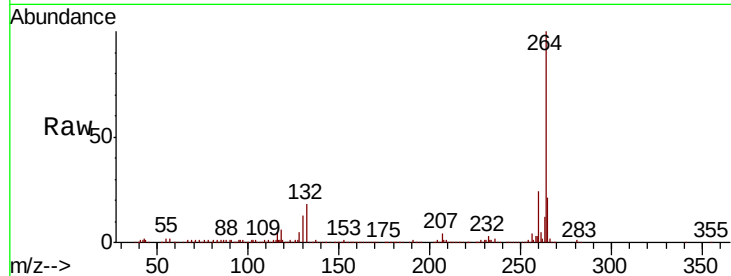
Tgt Ion:264 Resp: 229234

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 21.3 17.2 25.8

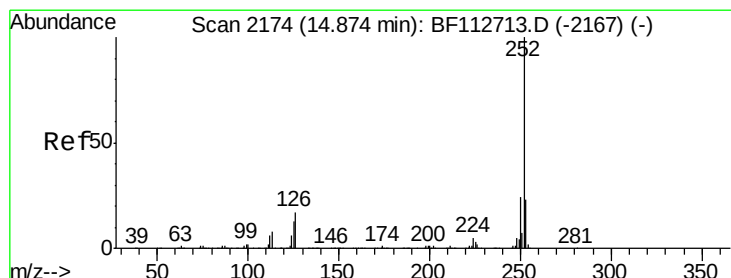
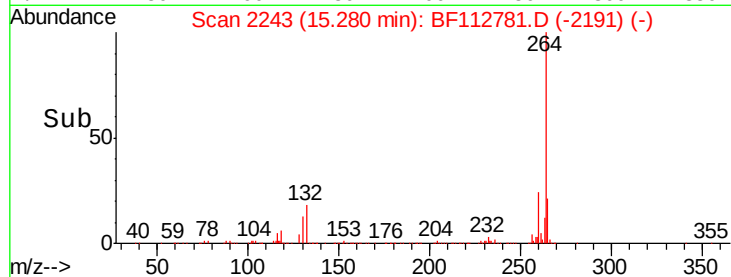
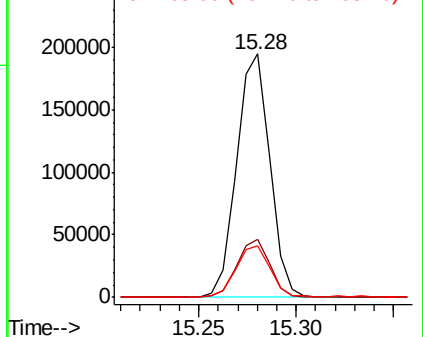


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 3.540 ng

RT: 14.88 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

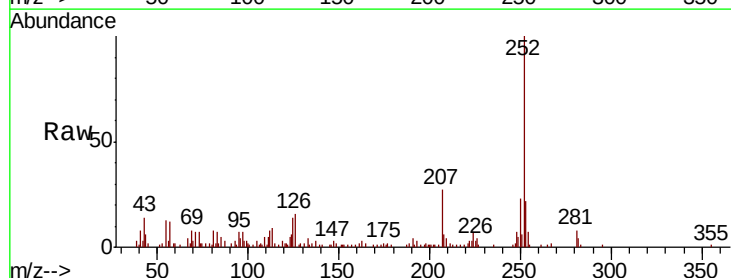
Tgt Ion:252 Resp: 52485

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

125 13.8 10.2 15.2

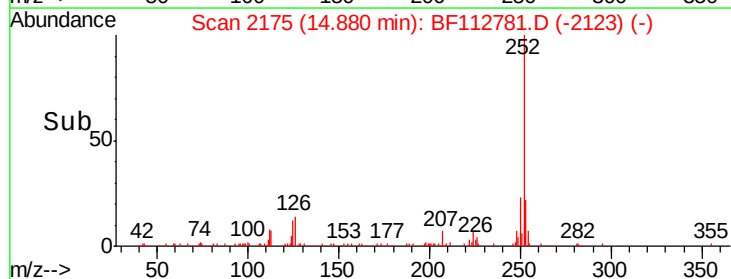
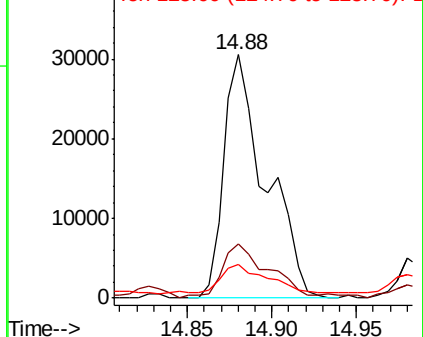


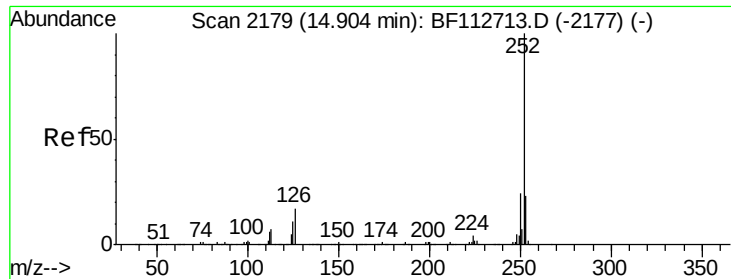
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

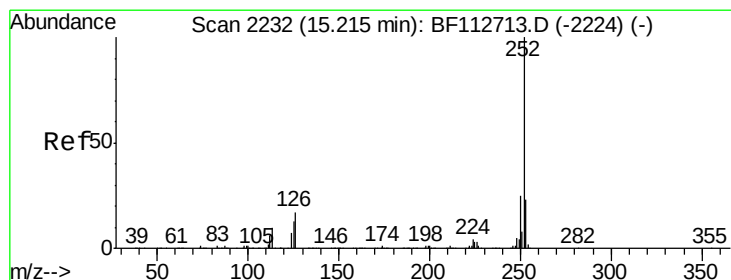
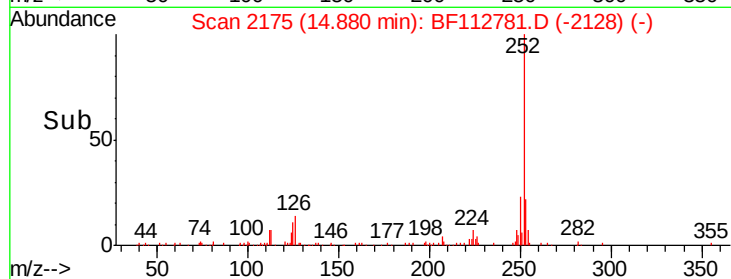
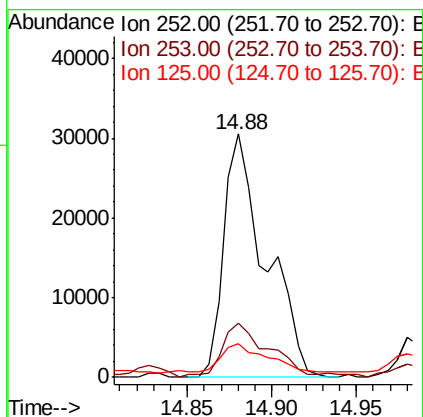
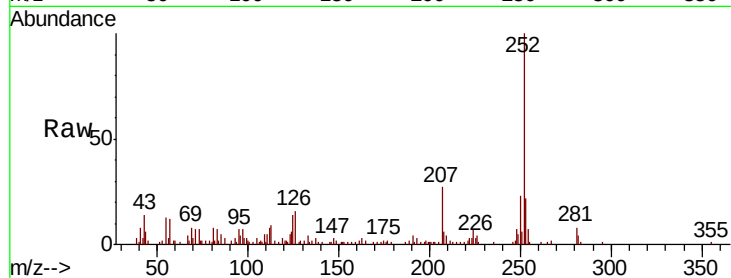




#89
Benzo(k)fluoranthene
Concen: 3.908 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

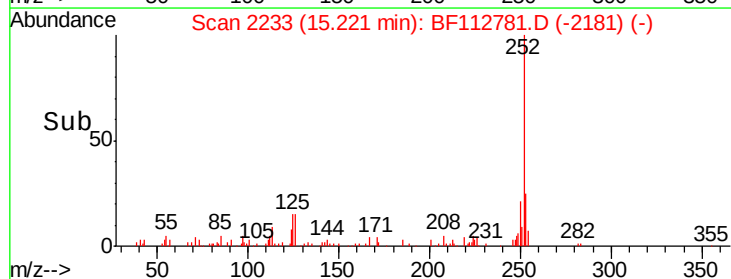
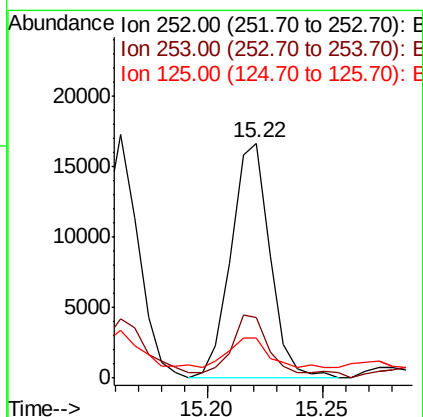
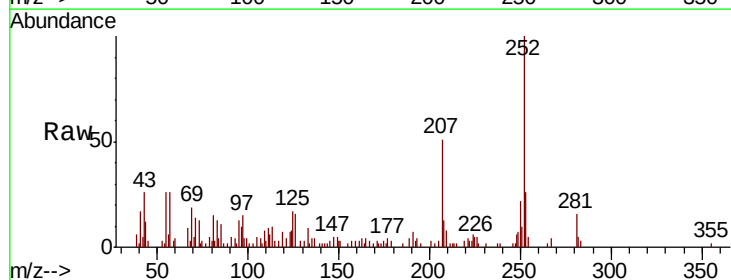
Instrument :
BNA_F
ClientSampleId :
CON-327

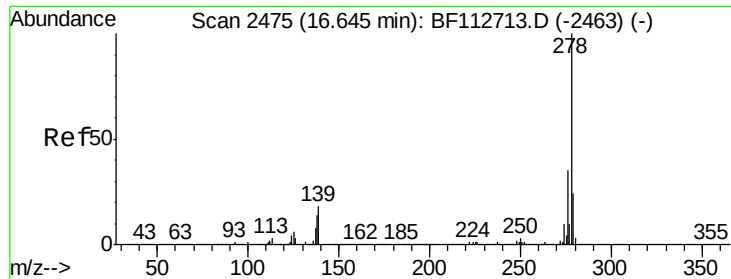
Tgt Ion:252 Resp: 52485
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 13.8 9.8 14.6



#90
Benzo(a)pyrene
Concen: 1.500 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112781.D
Acq: 1 Mar 2019 00:27

Tgt Ion:252 Resp: 19670
Ion Ratio Lower Upper
252 100
253 25.6 18.0 27.0
125 17.3 10.7 16.1#





#91

Dibenzo(a,h)anthracene

Concen: 0.262 ng

RT: 16.64 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

Instrument :

BNA_F

ClientSampleId :

CON-327

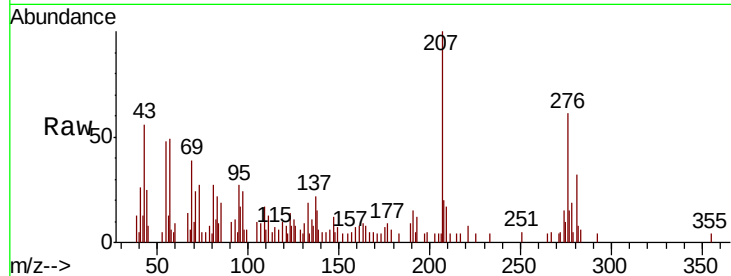
Tgt Ion:278 Resp: 2932

Ion Ratio Lower Upper

278 100

139 31.0 14.3 21.5#

279 24.7 19.4 29.0

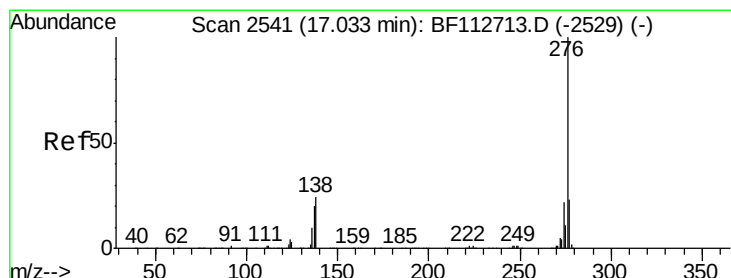
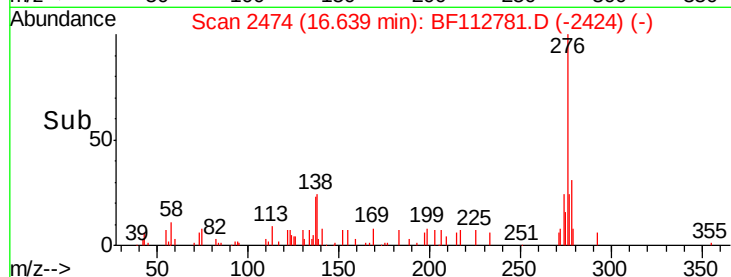
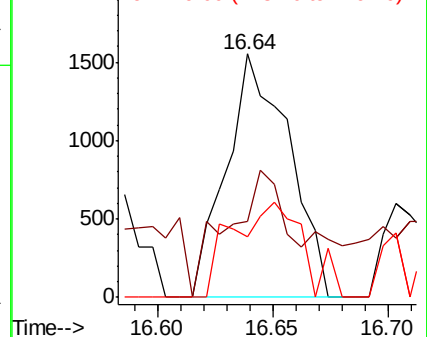


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 0.885 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.01 min

Lab File: BF112781.D

Acq: 1 Mar 2019 00:27

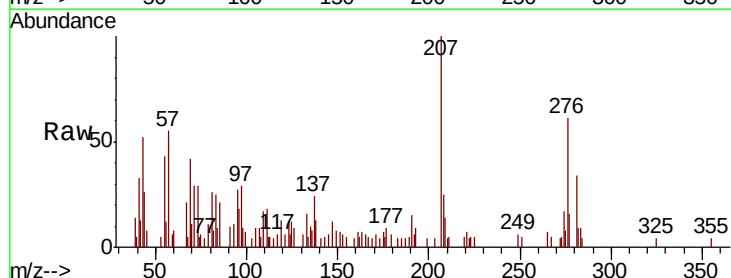
Tgt Ion:276 Resp: 9941

Ion Ratio Lower Upper

276 100

277 27.1 18.6 27.8

138 22.1 19.4 29.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

