

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108296.D
 Acq On : 20 Aug 2018 18:03
 Operator : JU/SJ
 Sample : J4537-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G.L.-WC-UST-01RE

Quant Time: Aug 20 18:51:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	192570	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	656750	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	262015	20.00	ng	0.00
63) Phenanthrene-d10	11.58	188	402232	20.00	ng	0.02
75) Chrysene-d12	14.22	240	367175	20.00	ng	0.00
86) Perylene-d12	15.79	264	317973	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1026679	96.52	ng	0.02
7) Phenol-d6	6.64	99	1377106	97.43	ng	0.01
23) Nitrobenzene-d5	7.58	82	887636	75.42	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	269679	103.19	ng	0.01
44) 2-Fluorobiphenyl	9.38	172	1403431	85.99	ng	0.00
78) Terphenyl-d14	13.16	244	1071397	74.19	ng	0.01

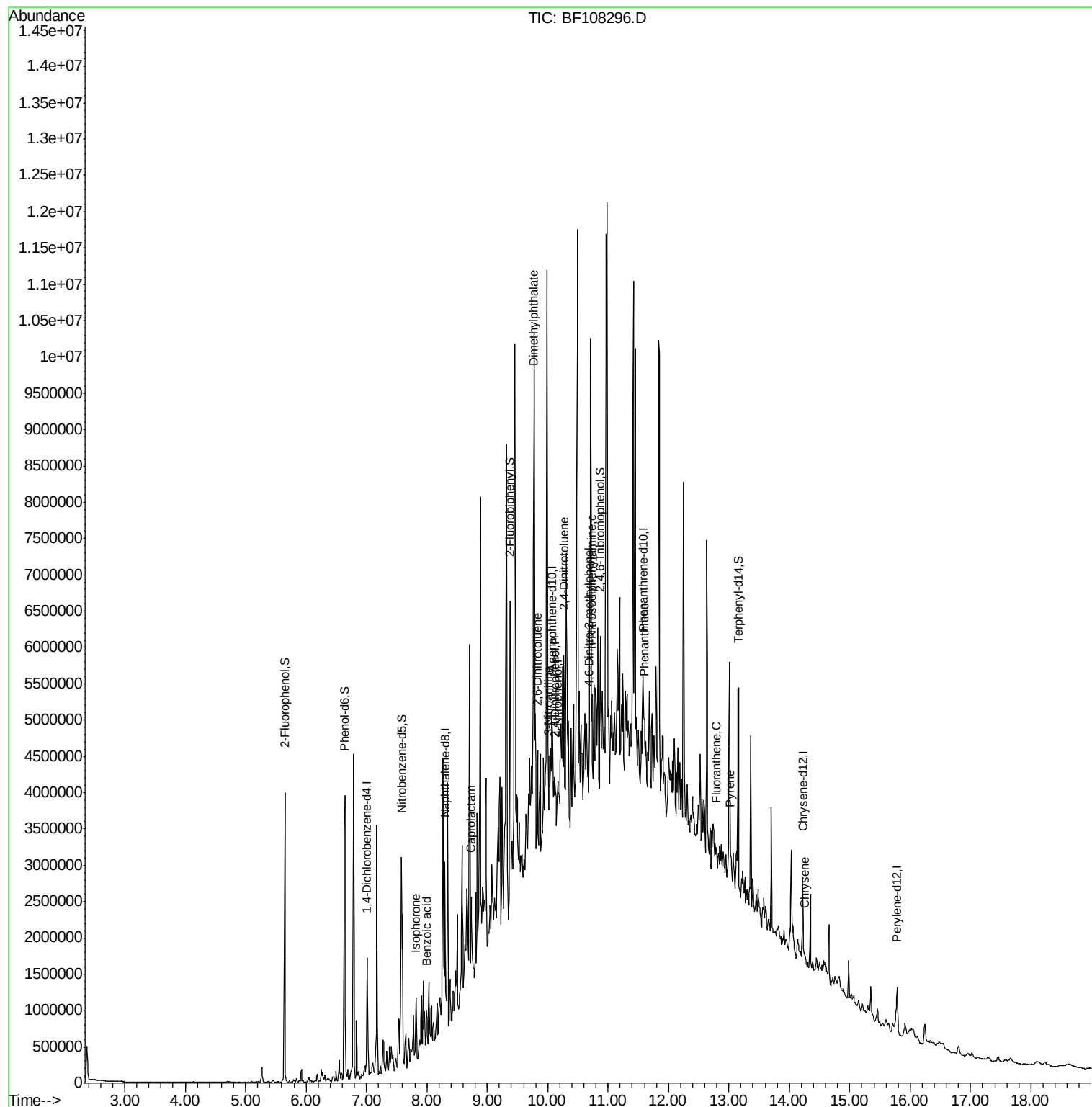
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.82	82	48835	2.177	ng	# 1
32) Benzoic acid	8.00	122	1648	6.224	ng	# 1
35) Caprolactam	8.74	113	6482	2.258	ng	# 1
49) Dimethylphthalate	9.77	163	105051	5.756	ng	# 86
50) 2,6-Dinitrotoluene	9.82	165	8640	2.263	ng	# 46
52) 3-Nitroaniline	10.01	138	8584	2.055	ng	# 44
53) 2,4-Dinitrophenol	10.12	184	1134	7.745	ng	# 1
55) 4-Nitrophenol	10.17	139	19515	6.168	ng	# 1
56) 2,4-Dinitrotoluene	10.27	165	23074	4.694	ng	# 60
64) 4,6-Dinitro-2-methylphenol	10.68	198	2246	6.680	ng	# 1
65) n-Nitrosodiphenylamine	10.73	169	120201	10.113	ng	# 37
70) Phenanthrene	11.60	178	69098	3.642	ng	# 70
74) Fluoranthene	12.80	202	52954	2.557	ng	# 83
77) Pyrene	13.02	202	133296	5.734	ng	# 92
82) Chrysene	14.25	228	47342	2.451	ng	# 85

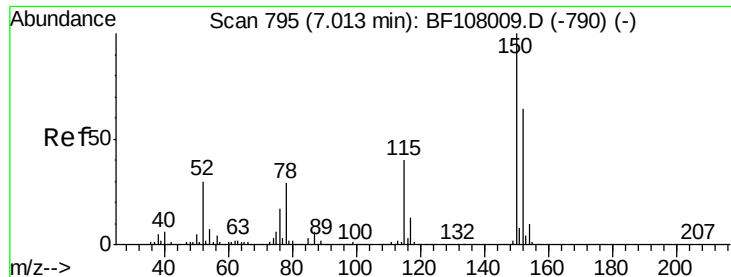
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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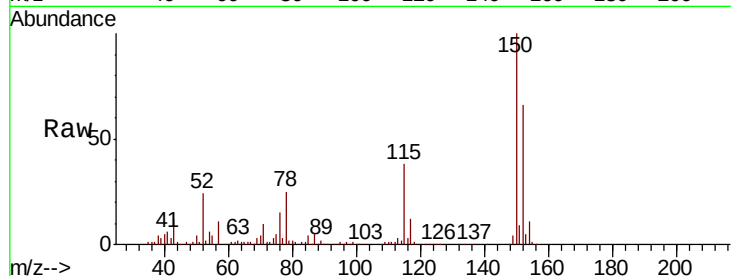


#1

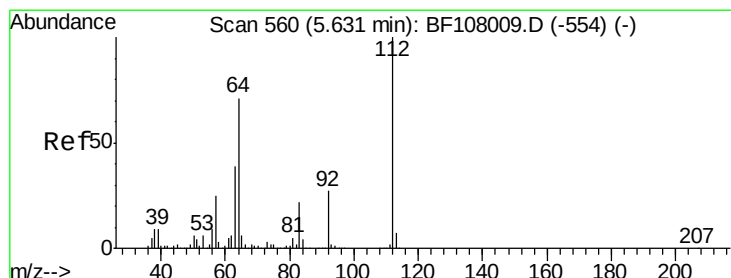
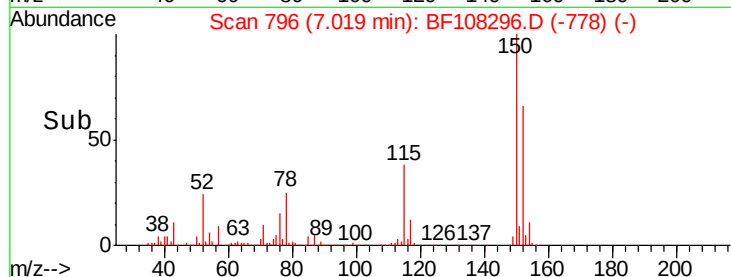
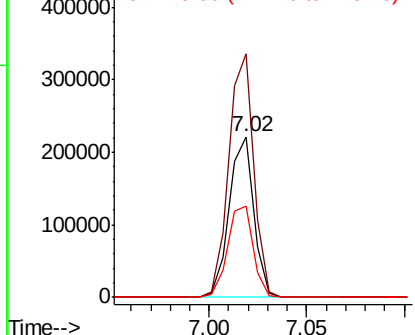
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

Instrument :
BNA_F
ClientSampleId :
G.L.-WC-UST-01RE

Tot Ion:152 Resp: 192570
Ion Ratio Lower Upper
152 100
150 151.6 124.6 186.8
115 57.0 50.1 75.1



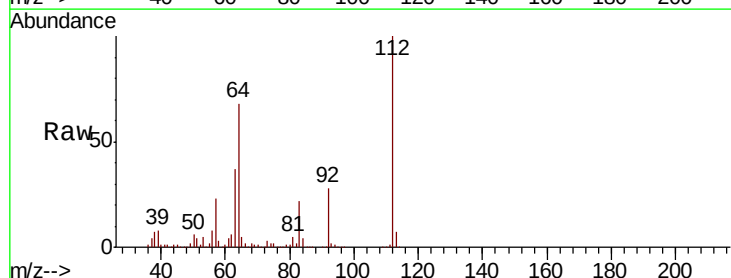
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



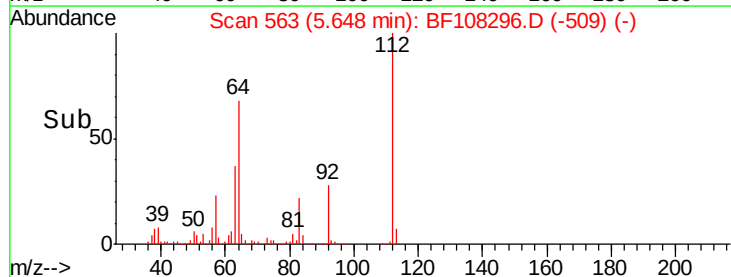
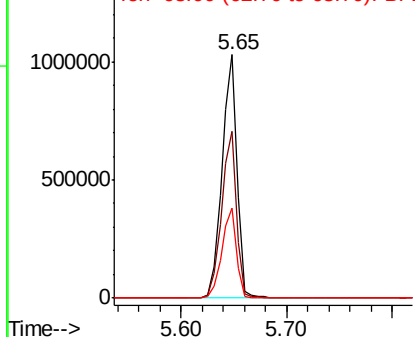
#5

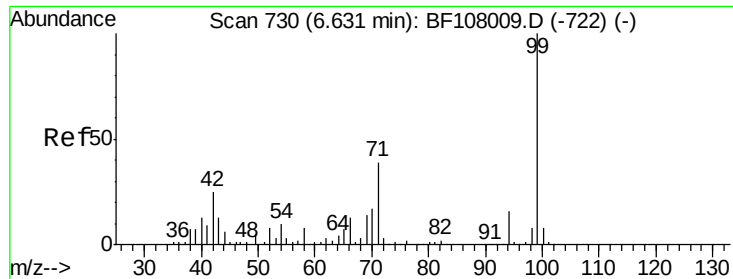
2-Fluorophenol
Concen: 96.524 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

Tgt Ion:112 Resp: 1026679
Ion Ratio Lower Upper
112 100
64 68.4 47.9 71.9
63 36.7 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 97.428 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108296.D

Acq: 20 Aug 2018 18:03

Instrument :

BNA_F

ClientSampleId :

G.L.-WC-UST-01RE

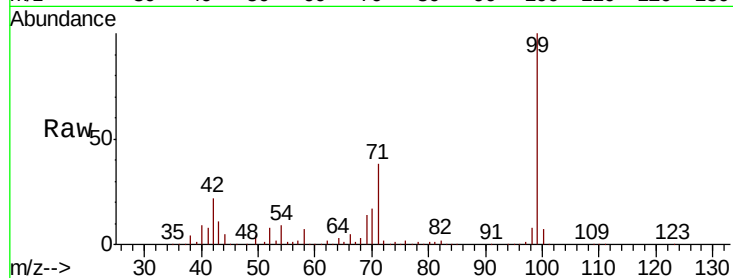
Tot Ion: 99 Resp: 1377106

Ion Ratio Lower Upper

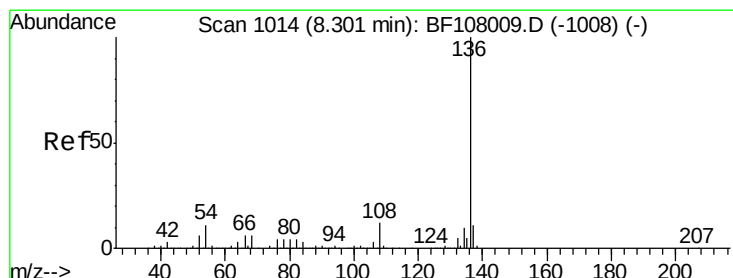
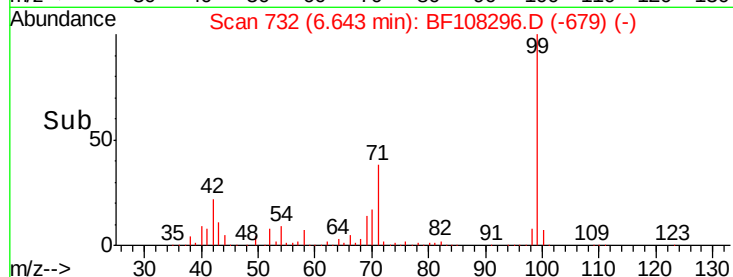
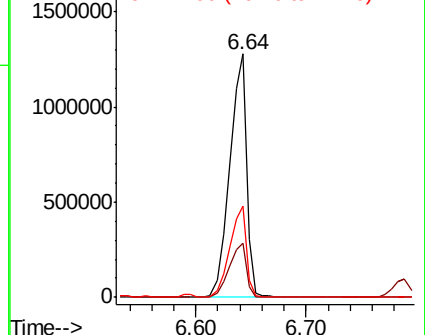
99 100

42 22.4 14.5 21.7#

71 37.7 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108296.D

Acq: 20 Aug 2018 18:03

Tgt Ion: 136 Resp: 656750

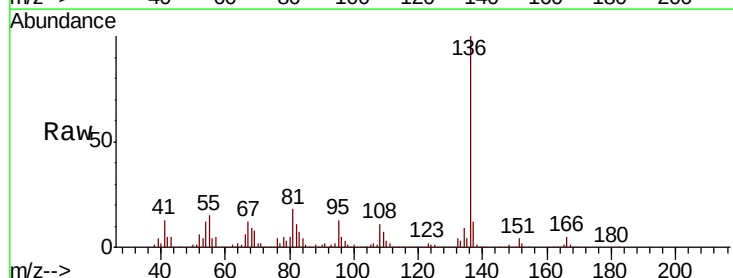
Ion Ratio Lower Upper

136 100

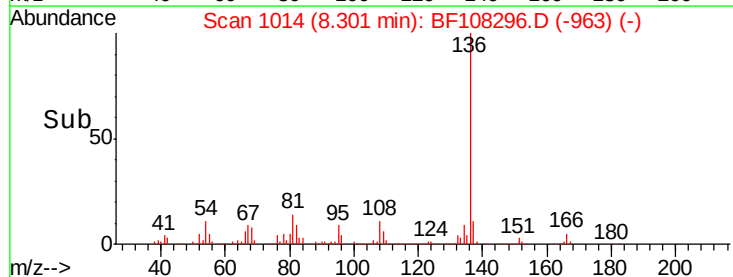
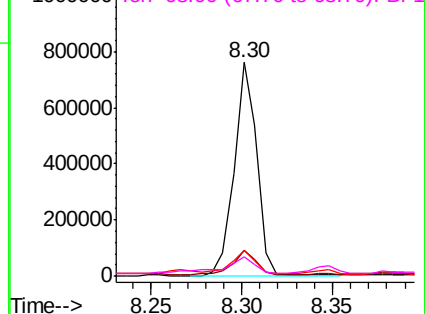
137 11.9 8.9 13.3

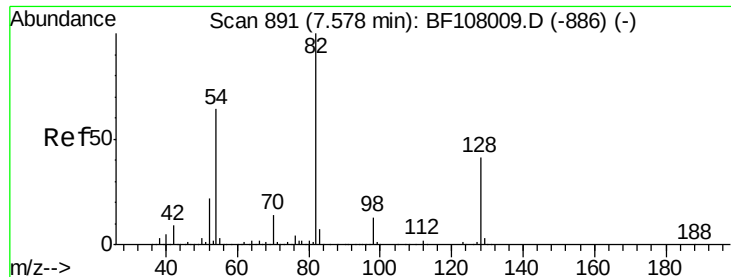
54 12.1 6.6 9.8#

68 8.9 5.0 7.4#



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

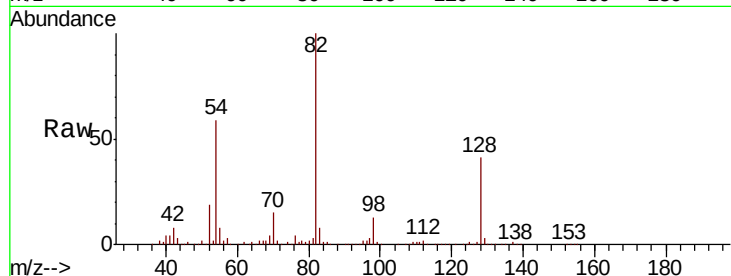




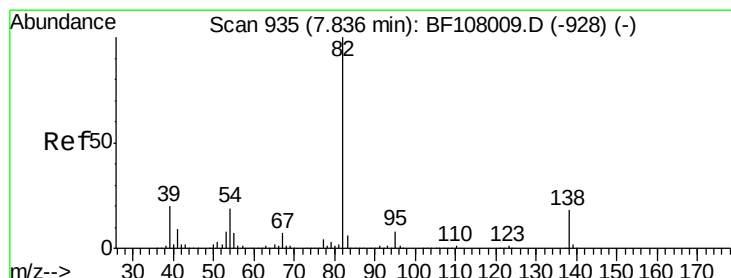
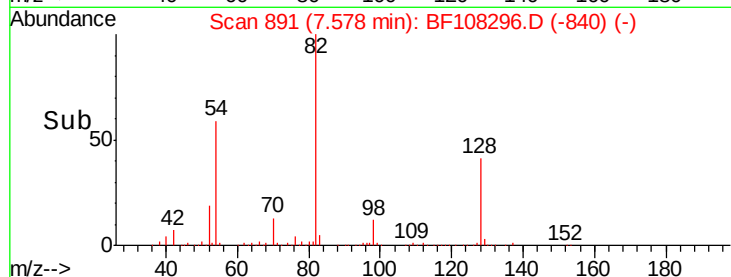
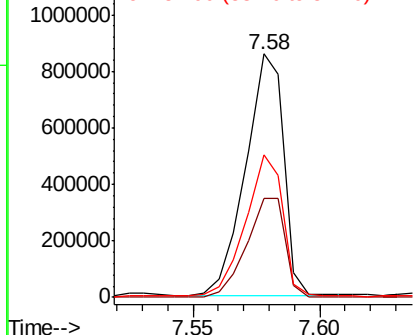
#23
Nitrobenzene-d5
Concen: 75.419 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

Instrument :
BNA_F
ClientSampleId :
G.L.-WC-UST-01RE

Tot Ion: 82 Resp: 887636
Ion Ratio Lower Upper
82 100
128 40.8 36.1 54.1
54 58.6 41.4 62.2

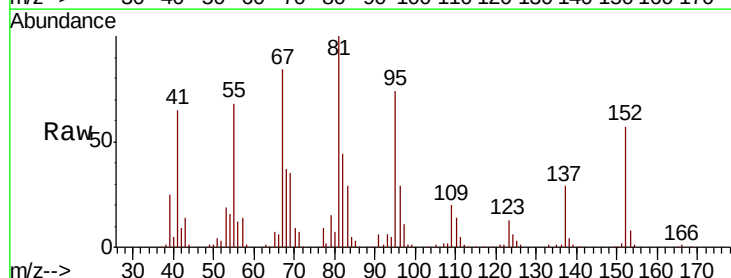


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

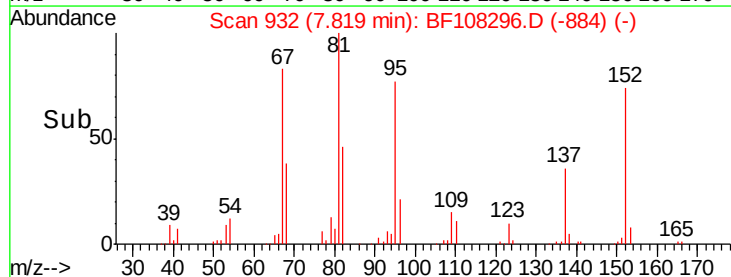
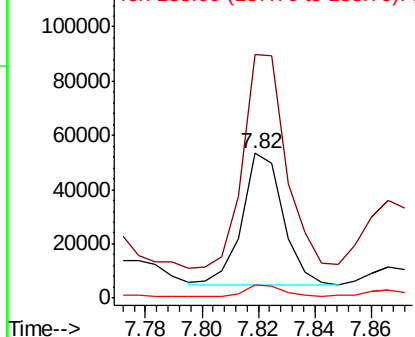


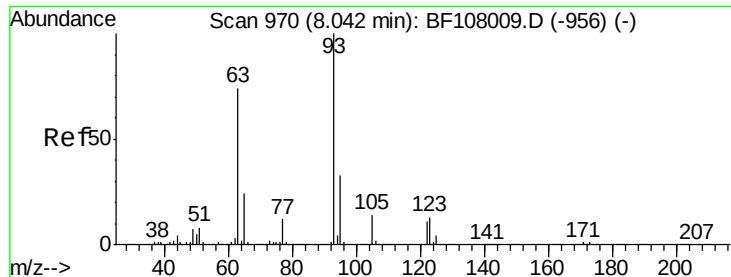
#25
Isophorone
Concen: 2.177 ng
RT: 7.82 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

Tgt Ion: 82 Resp: 48835
Ion Ratio Lower Upper
82 100
95 168.2 5.2 7.8#
138 9.4 14.9 22.3#



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

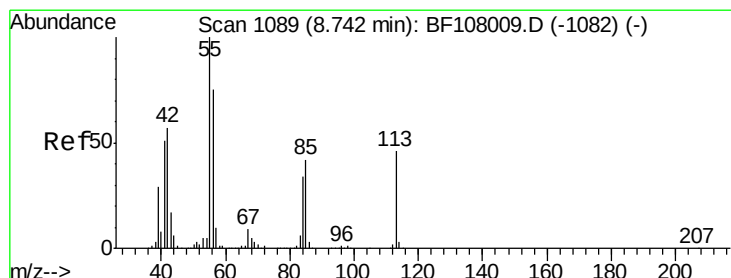
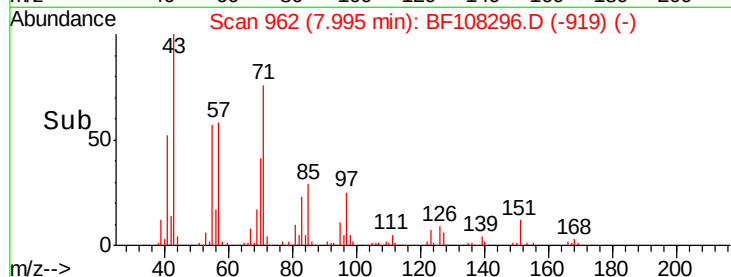
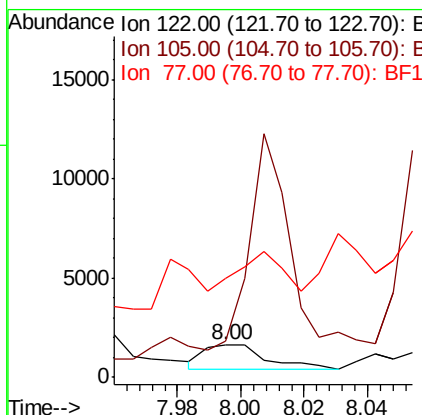
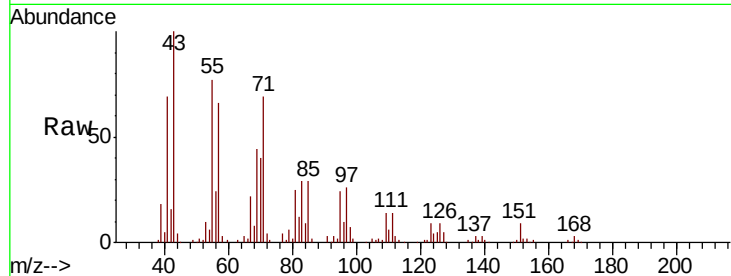




#32
Benzoic acid
Concen: 6.224 ng
RT: 8.00 min Scan# 962
Delta R.T. -0.05 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

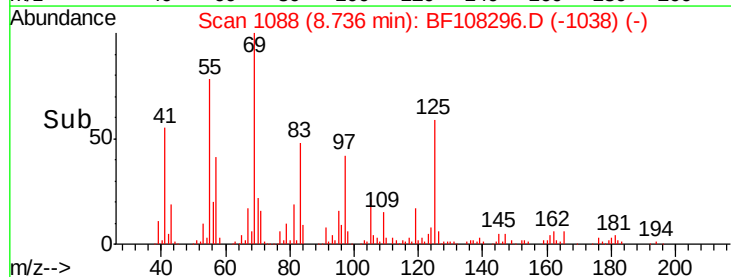
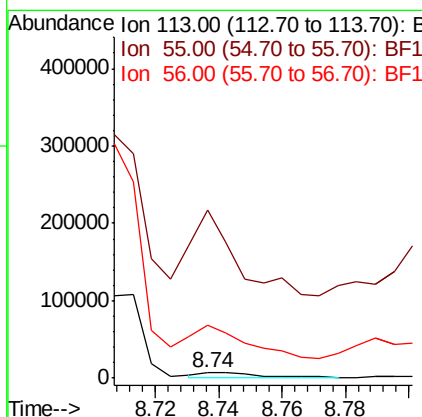
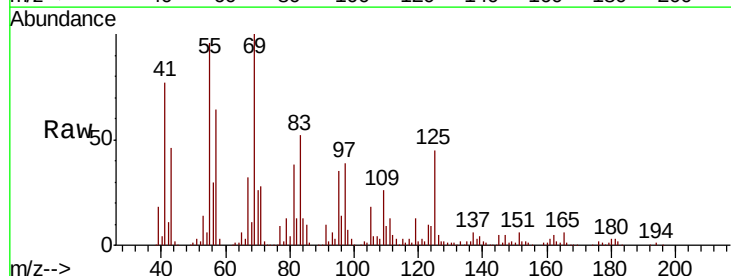
Instrument :
BNA_F
ClientSampleId :
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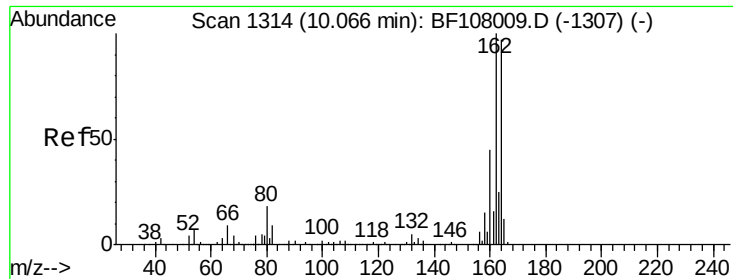
Tot Ion:122 Resp: 1648
Ion Ratio Lower Upper
122 100
105 108.6 101.1 141.1
77 300.2 70.7 110.7#



#35
Caprolactam
Concen: 2.258 ng
RT: 8.74 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

Tgt Ion:113 Resp: 6482
Ion Ratio Lower Upper
113 100
55 3070.1 163.3 203.3#
56 963.3 115.7 155.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF108296.D

Acq: 20 Aug 2018 18:03

Instrument :

BNA_F

ClientSampleId :

G.L.-WC-UST-01RE

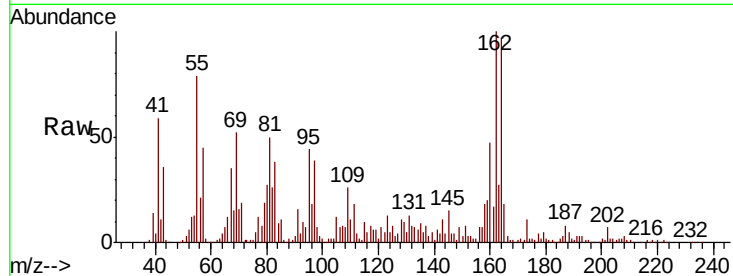
Tot Ion:164 Resp: 262015

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

160 48.7 38.3 57.5

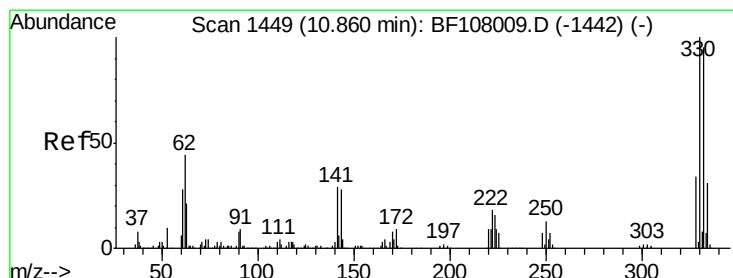
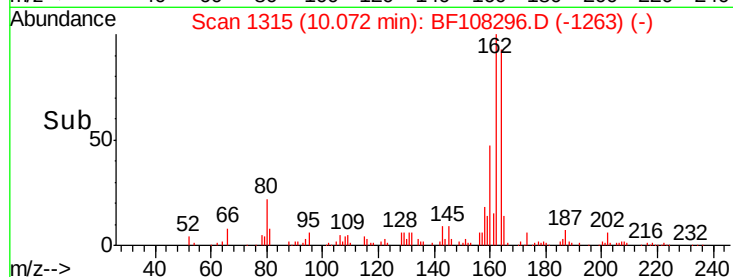
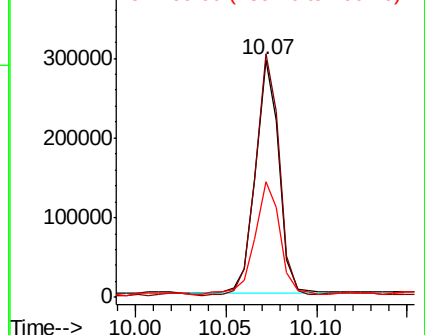


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 103.186 ng

RT: 10.87 min Scan# 1451

Delta R.T. 0.01 min

Lab File: BF108296.D

Acq: 20 Aug 2018 18:03

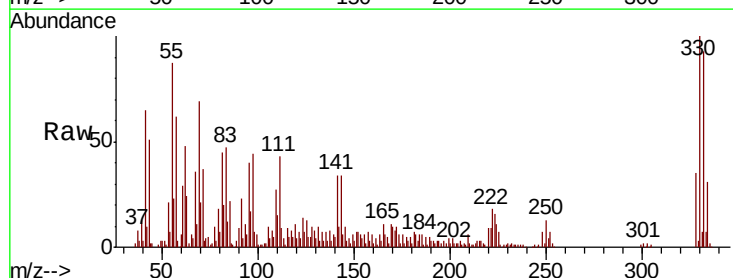
Tgt Ion:330 Resp: 269679

Ion Ratio Lower Upper

330 100

332 94.3 77.0 115.6

141 28.4 29.9 44.9#

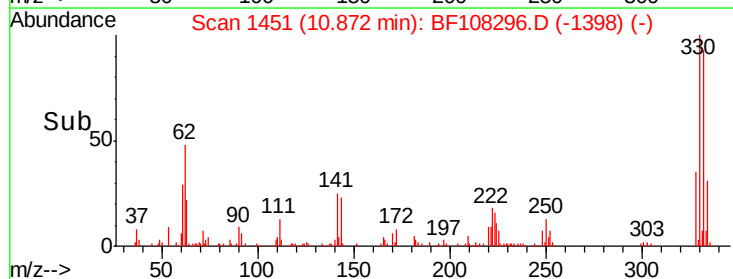
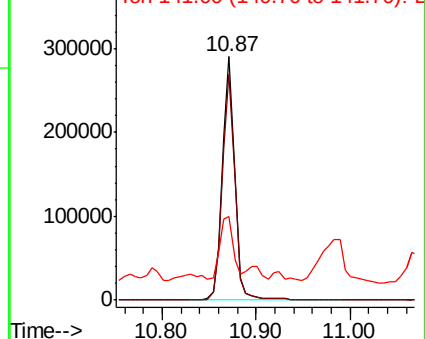


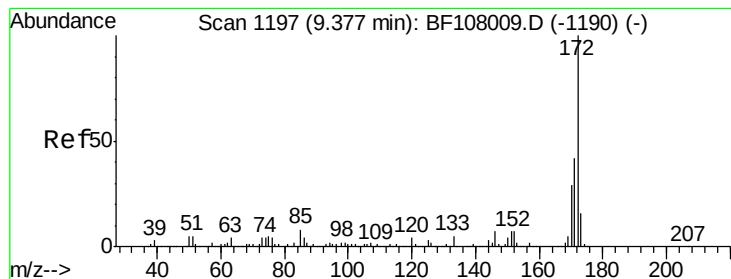
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

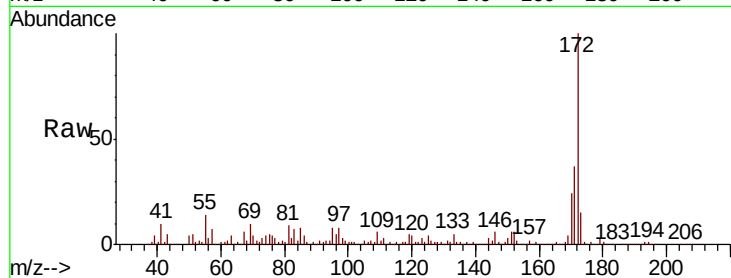




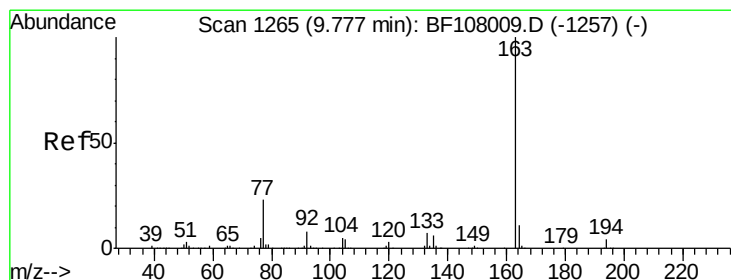
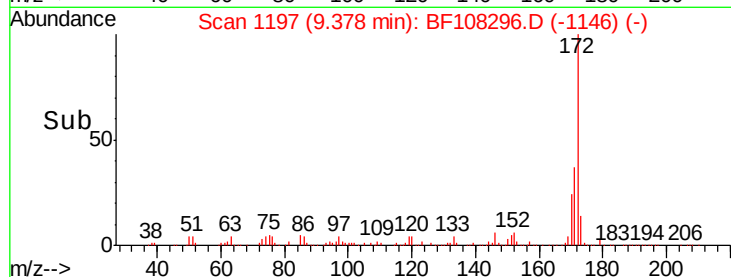
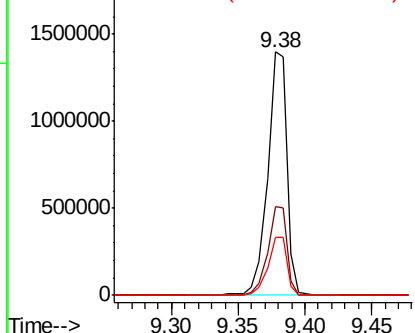
#44
2-Fluorobiphenyl
Concen: 85.994 ng
RT: 9.38 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

Instrument :
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G.L.-WC-UST-01RE

Tot Ion:172 Resp: 1403431
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 23.7 19.6 29.4

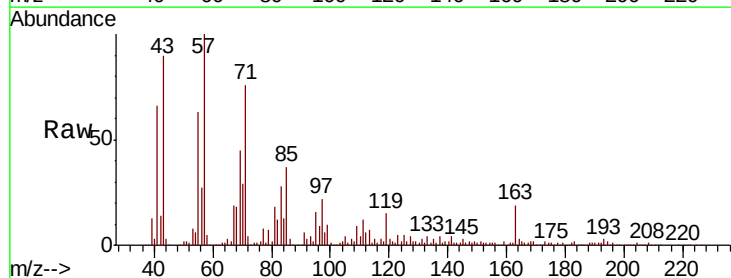


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

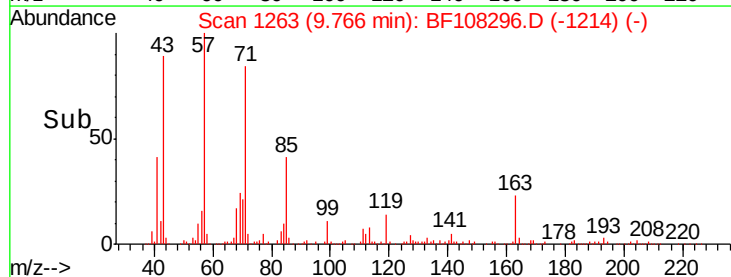
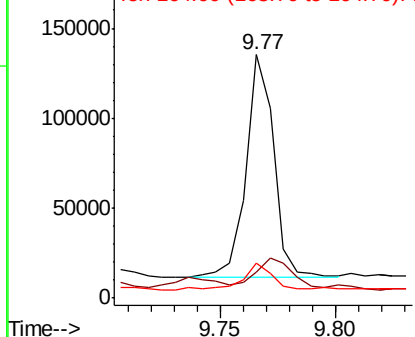


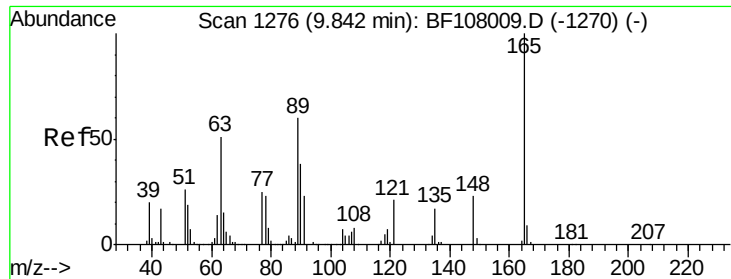
#49
Dimethylphthalate
Concen: 5.756 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

Tgt Ion:163 Resp: 105051
Ion Ratio Lower Upper
163 100
194 10.6 2.7 4.1#
164 14.3 8.2 12.2#



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

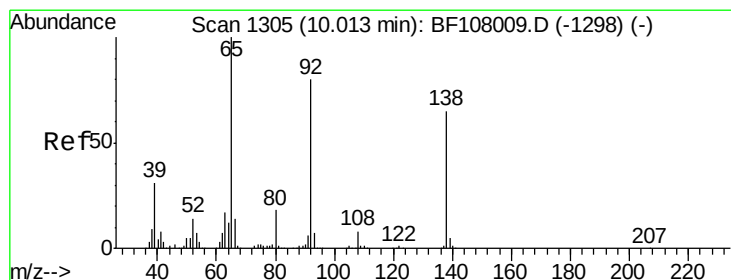
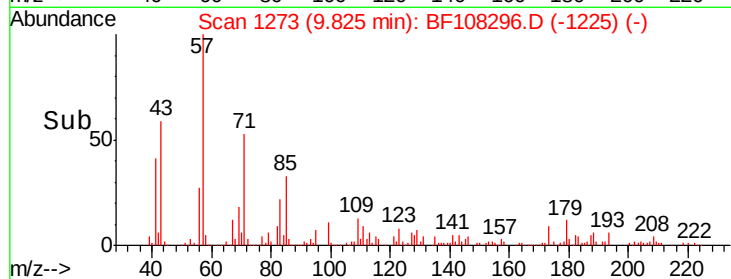
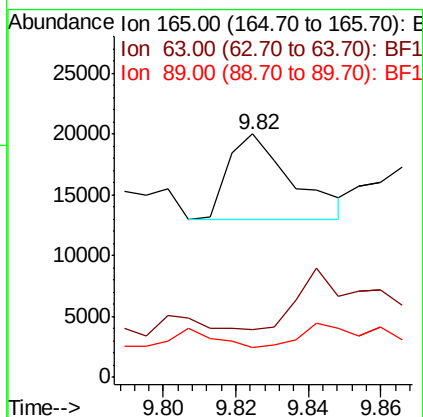
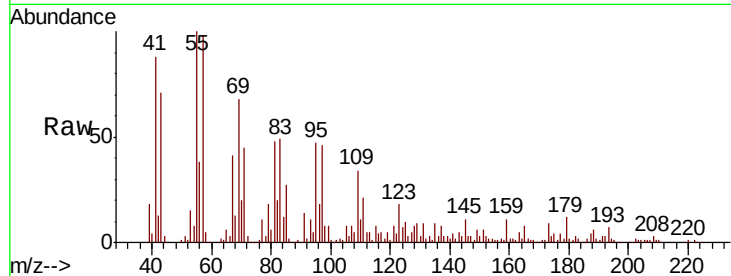




#50
 2,6-Dinitrotoluene
 Concen: 2.263 ng
 RT: 9.82 min Scan# 1273
 Delta R.T. -0.02 min
 Lab File: BF108296.D
 Acq: 20 Aug 2018 18:03

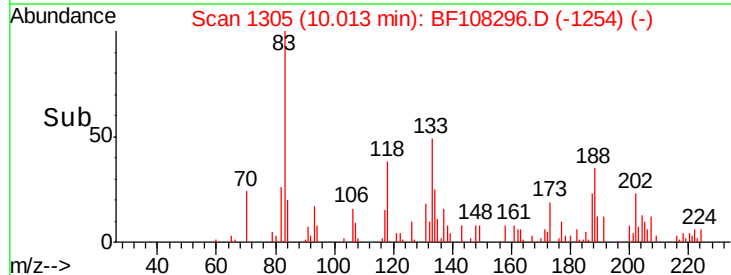
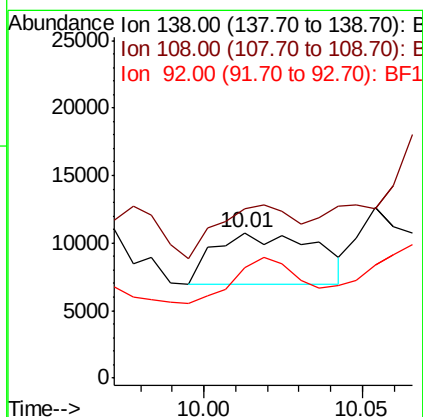
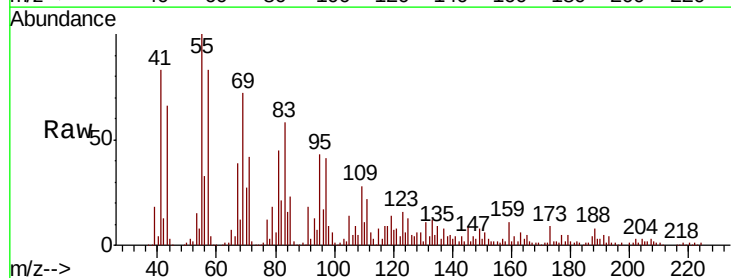
Instrument :
 BNA_F
 ClientSampleId :
 G.L.-WC-UST-01RE

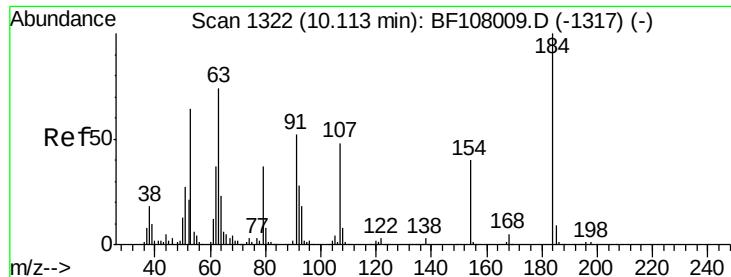
Tot Ion:165 Resp: 8640
 Ion Ratio Lower Upper
 165 100
 63 19.6 44.7 67.1#
 89 12.4 44.0 66.0#



#52
 3-Nitroaniline
 Concen: 2.055 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BF108296.D
 Acq: 20 Aug 2018 18:03

Tgt Ion:138 Resp: 8584
 Ion Ratio Lower Upper
 138 100
 108 116.8 9.4 14.0#
 92 75.7 89.4 134.2#

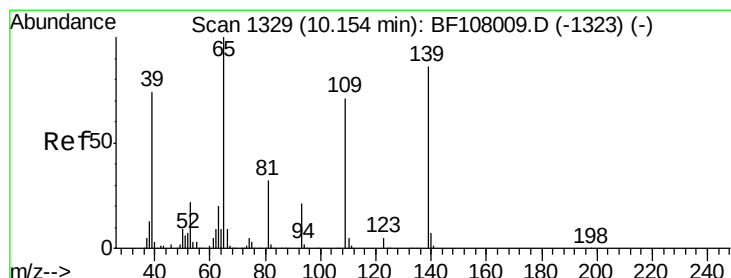
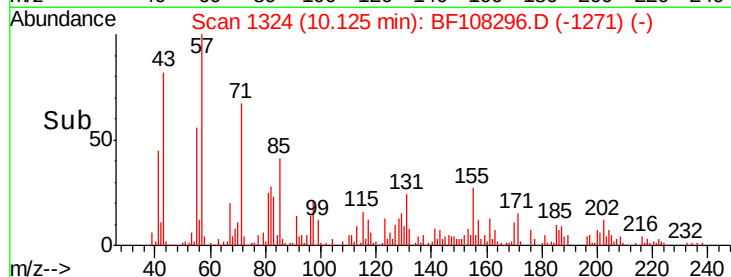
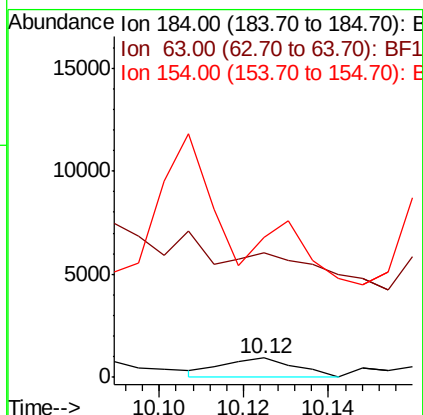
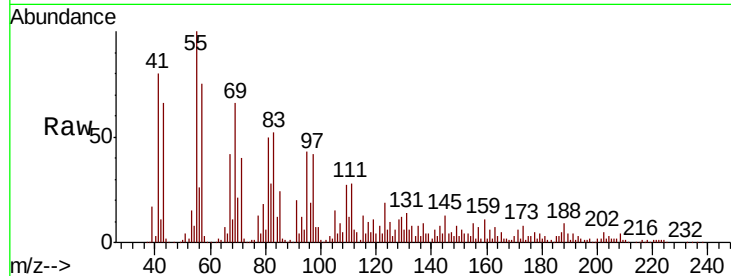




#53
 2,4-Dinitrophenol
 Concen: 7.745 ng
 RT: 10.12 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: BF108296.D
 Acq: 20 Aug 2018 18:03

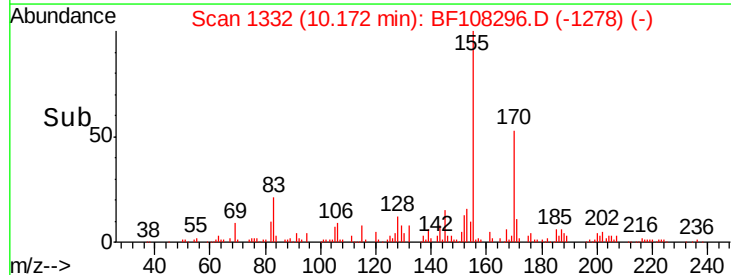
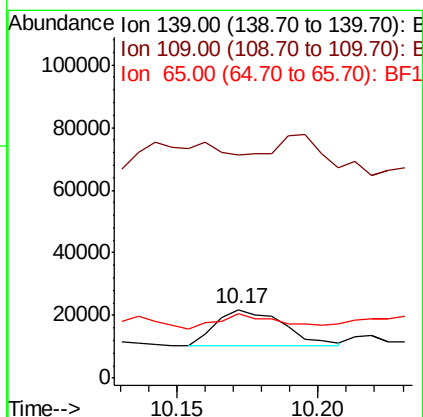
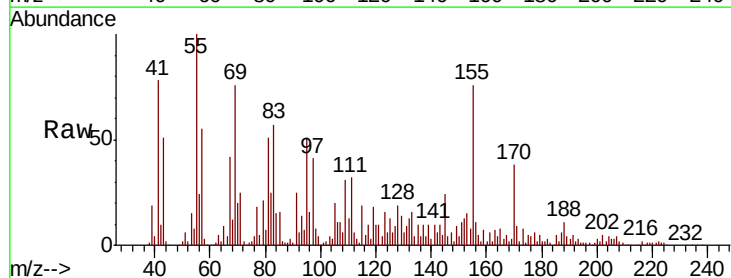
Instrument :
 BNA_F
 ClientSampleId :
 G.L.-WC-UST-01RE

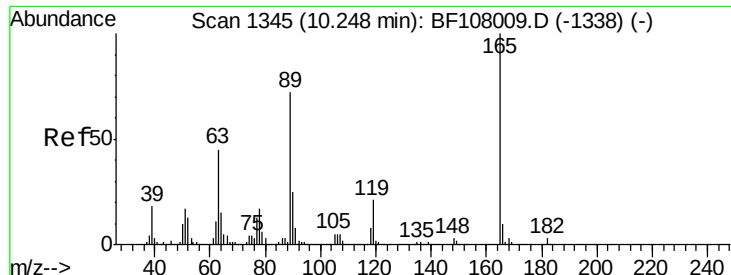
Tot Ion:184 Resp: 1134
 Ion Ratio Lower Upper
 184 100
 63 641.4 54.2 81.2#
 154 719.9 184.0 276.0#



#55
 4-Nitrophenol
 Concen: 6.168 ng
 RT: 10.17 min Scan# 1332
 Delta R.T. 0.02 min
 Lab File: BF108296.D
 Acq: 20 Aug 2018 18:03

Tgt Ion:139 Resp: 19515
 Ion Ratio Lower Upper
 139 100
 109 325.5 48.4 88.4#
 65 93.6 72.6 112.6

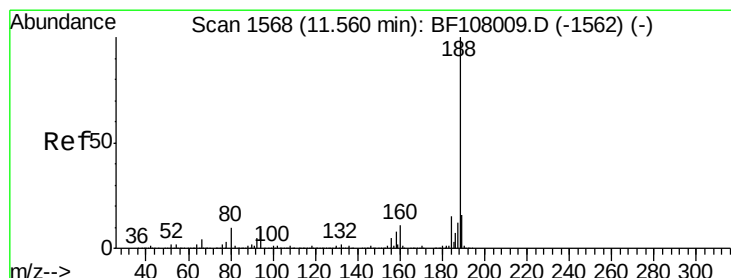
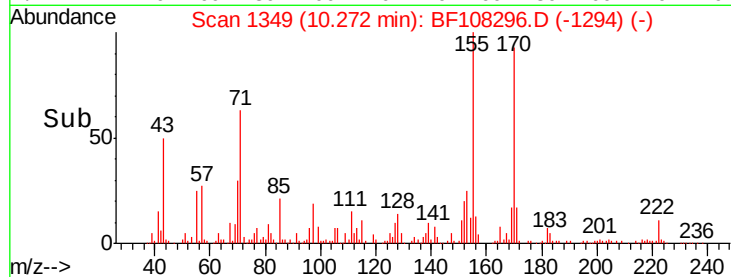
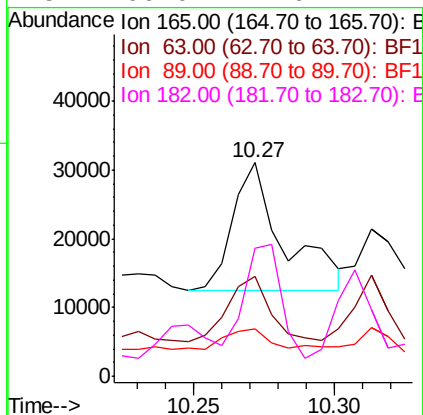
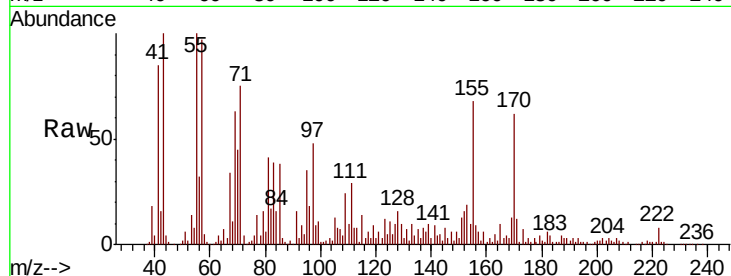




#56
2,4-Dinitrotoluene
Concen: 4.694 ng
RT: 10.27 min Scan# 1349
Delta R.T. 0.02 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

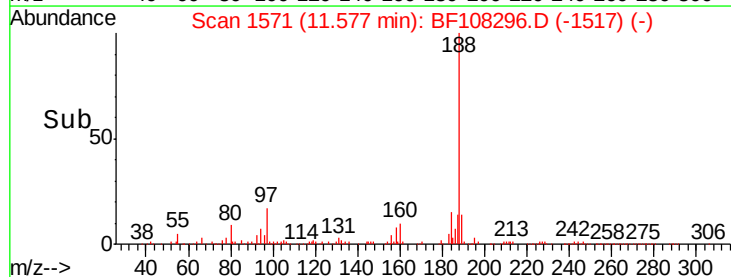
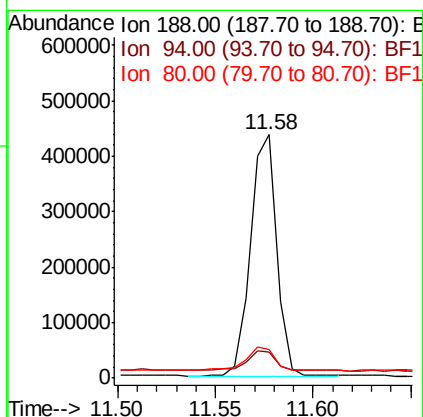
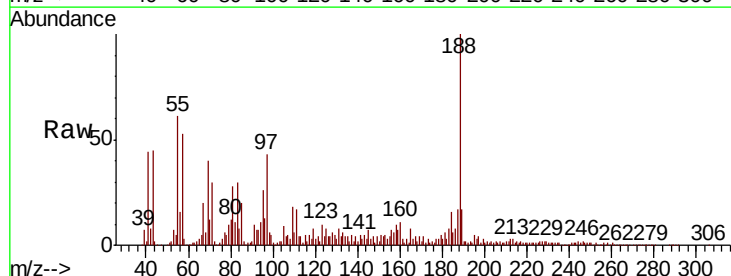
Instrument :
BNA_F
ClientSampleId :
G.L.-WC-UST-01RE

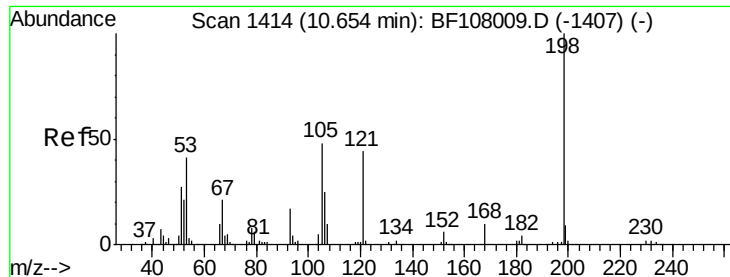
Tot Ion:165 Resp: 23074
Ion Ratio Lower Upper
165 100
63 46.7 36.4 54.6
89 21.9 57.8 86.6#
182 60.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.02 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

Tgt Ion:188 Resp: 402232
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.6 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 6.680 ng

RT: 10.68 min Scan# 1419

Delta R.T. 0.03 min

Lab File: BF108296.D

Acq: 20 Aug 2018 18:03

Instrument :

BNA_F

ClientSampleId :

G.L.-WC-UST-01RE

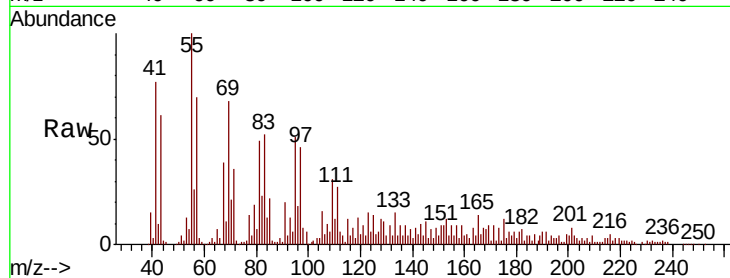
Tot Ion:198 Resp: 2246

Ion Ratio Lower Upper

198 100

51 318.0 37.7 77.7#

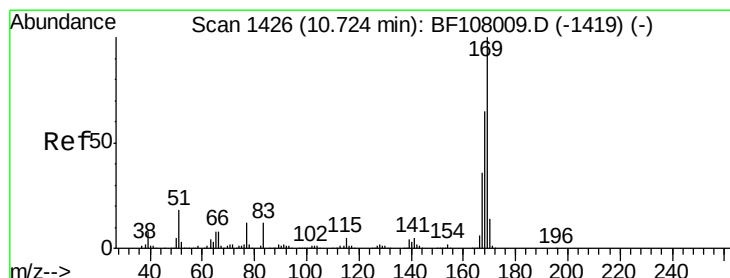
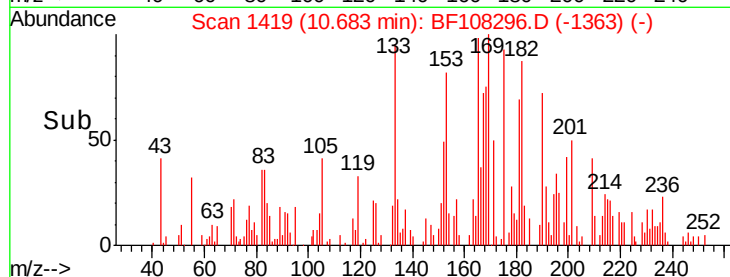
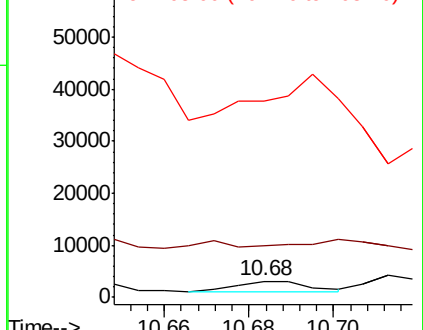
105 1215.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 10.113 ng

RT: 10.73 min Scan# 1427

Delta R.T. 0.01 min

Lab File: BF108296.D

Acq: 20 Aug 2018 18:03

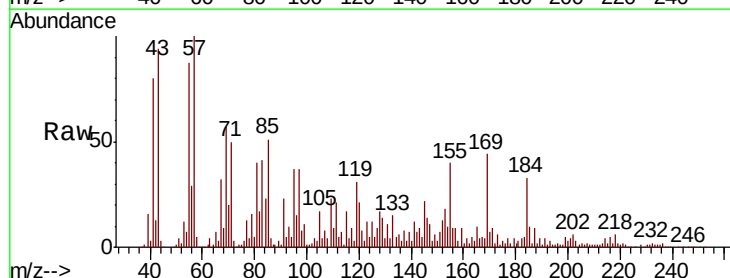
Tgt Ion:169 Resp: 120201

Ion Ratio Lower Upper

169 100

168 8.3 54.4 81.6#

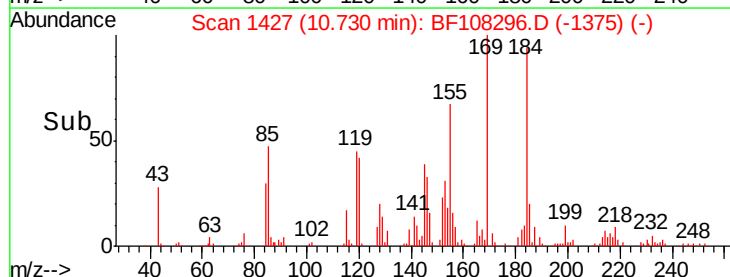
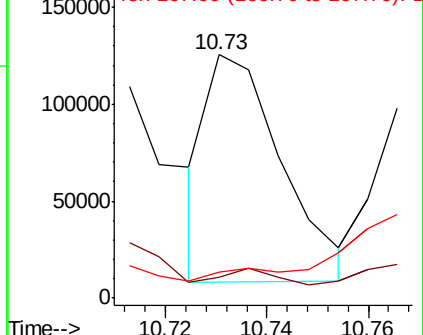
167 10.8 29.8 44.6#

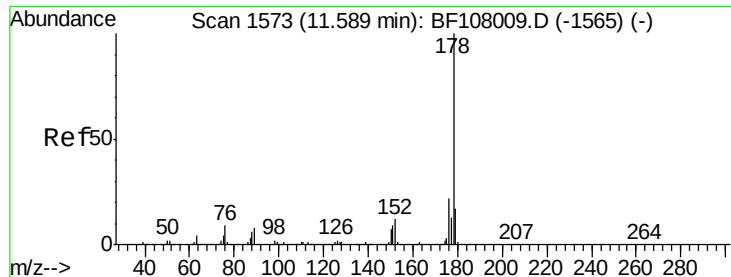


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

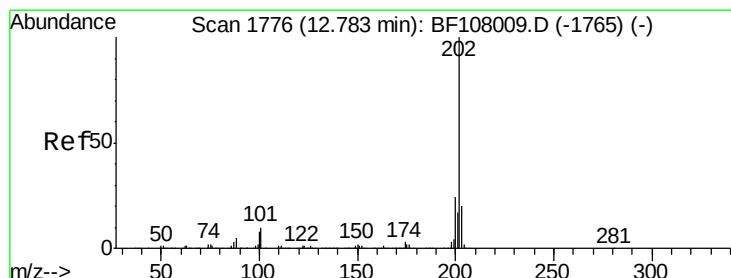
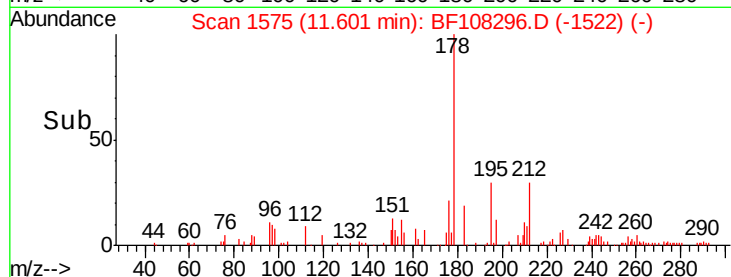
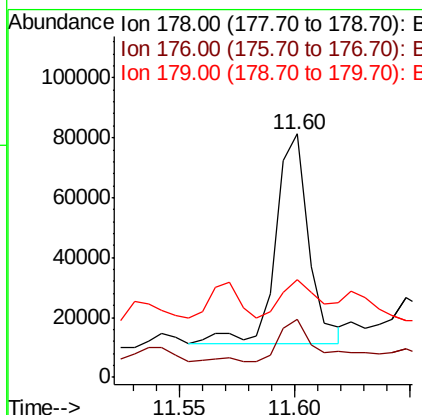
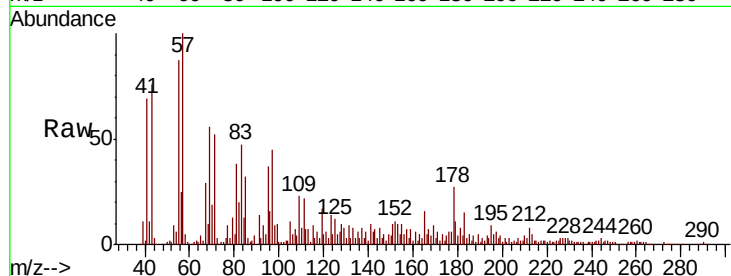




#70
Phenanthrene
Concen: 3.642 ng
RT: 11.60 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

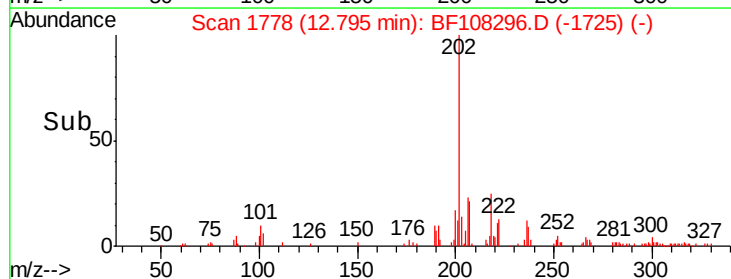
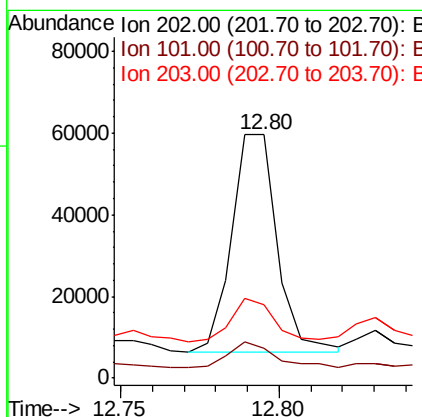
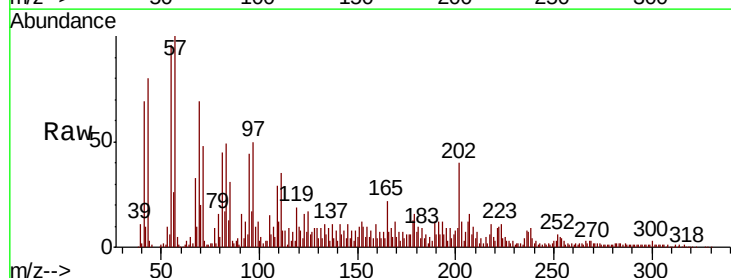
Instrument :
BNA_F
ClientSampleId :
G.L.-WC-UST-01RE

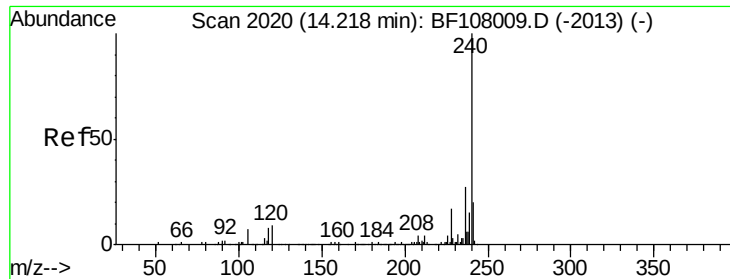
Tot Ion:178 Resp: 69098
Ion Ratio Lower Upper
178 100
176 24.0 15.8 23.8#
179 40.3 13.0 19.6#



#74
Fluoranthene
Concen: 2.557 ng
RT: 12.80 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

Tgt Ion:202 Resp: 52954
Ion Ratio Lower Upper
202 100
101 12.5 0.0 34.1
203 30.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF108296.D

Acq: 20 Aug 2018 18:03

Instrument :

BNA_F

ClientSampleId :

G.L.-WC-UST-01RE

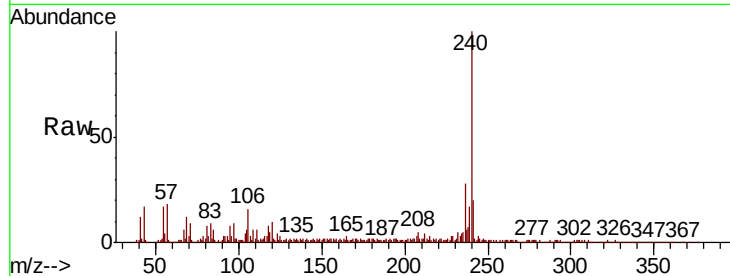
Tot Ion:240 Resp: 367175

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

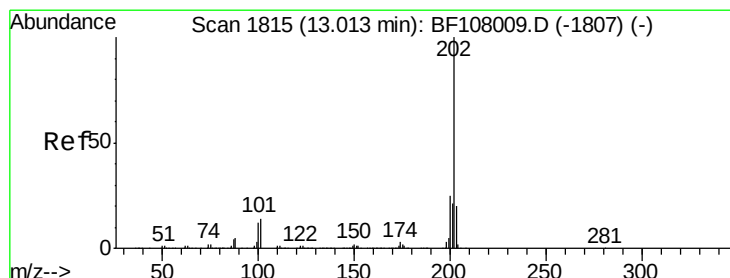
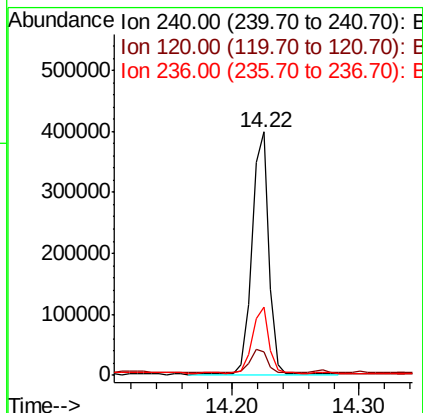
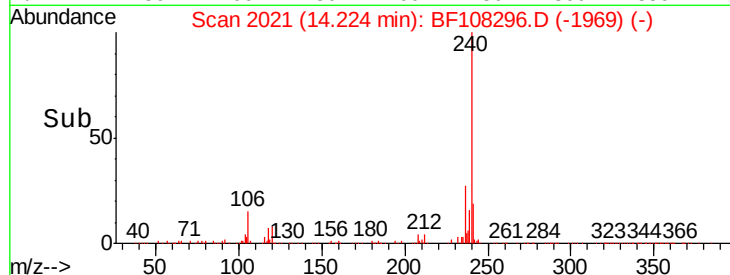
236 28.0 20.7 31.1



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

Pyrene

Concen: 5.734 ng

RT: 13.02 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF108296.D

Acq: 20 Aug 2018 18:03

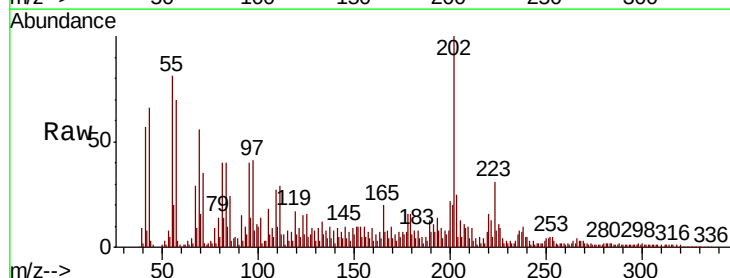
Tgt Ion:202 Resp: 133296

Ion Ratio Lower Upper

202 100

200 22.4 17.4 26.2

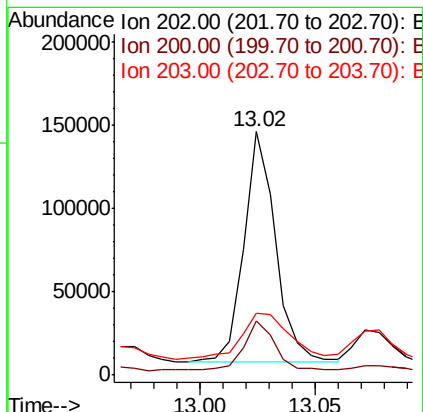
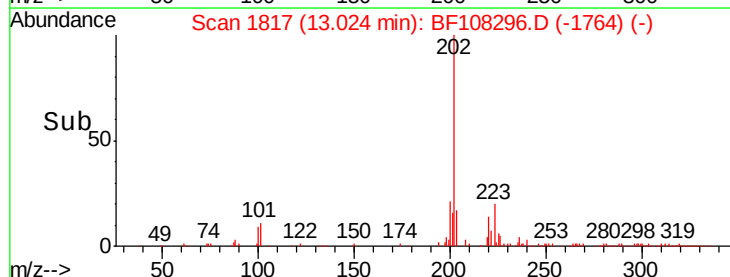
203 25.3 14.3 21.5#

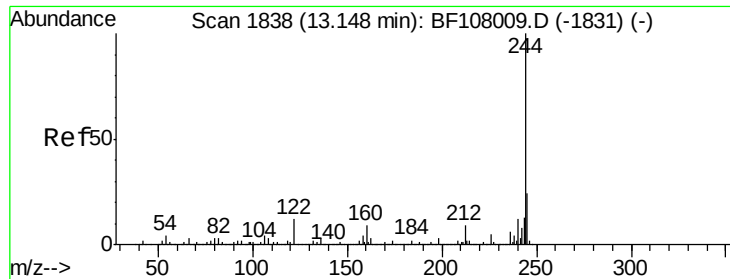


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.191 ng

RT: 13.16 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF108296.D

Acq: 20 Aug 2018 18:03

Instrument :

BNA_F

ClientSampleId :

G.L.-WC-UST-01RE

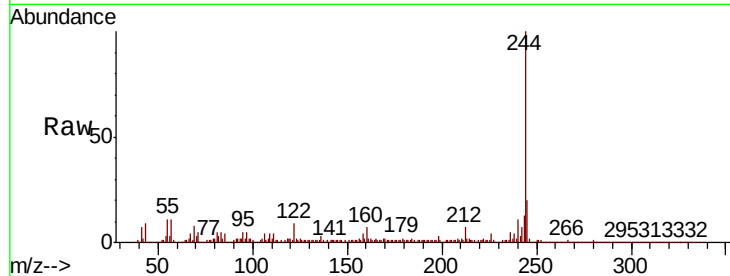
Tot Ion:244 Resp: 1071397

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

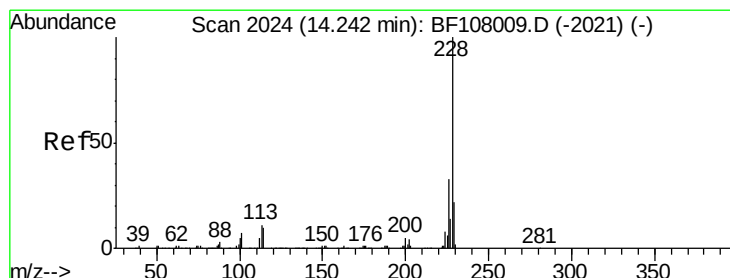
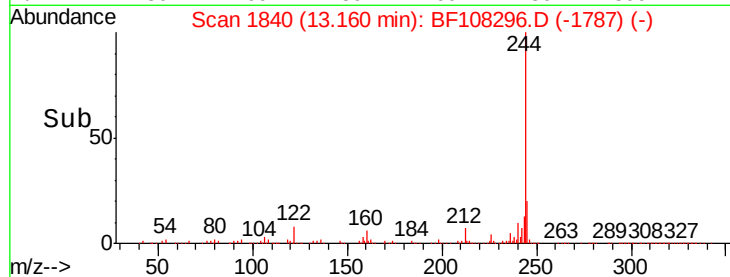
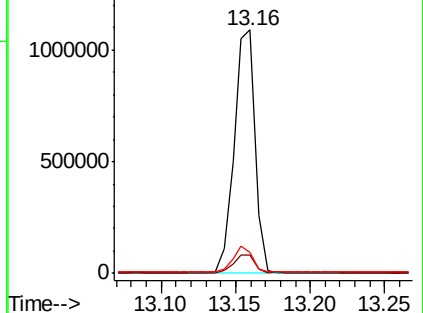
122 8.8 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#82

Chrysene

Concen: 2.451 ng

RT: 14.25 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF108296.D

Acq: 20 Aug 2018 18:03

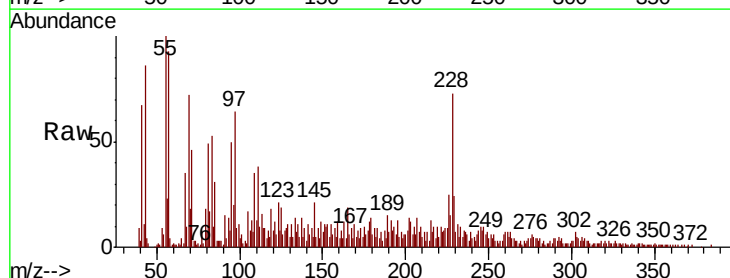
Tgt Ion:228 Resp: 47342

Ion Ratio Lower Upper

228 100

226 34.5 25.0 37.6

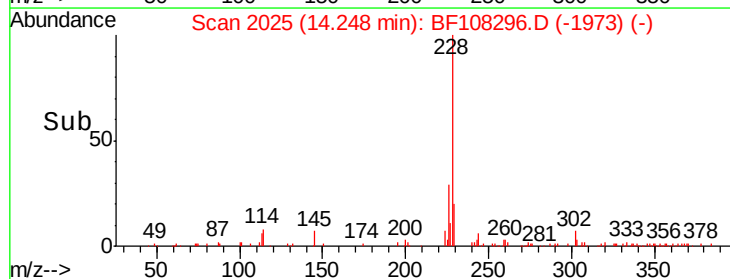
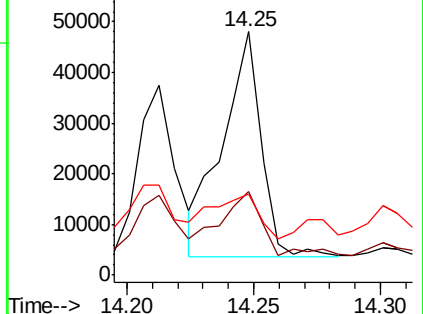
229 33.3 16.2 24.4#

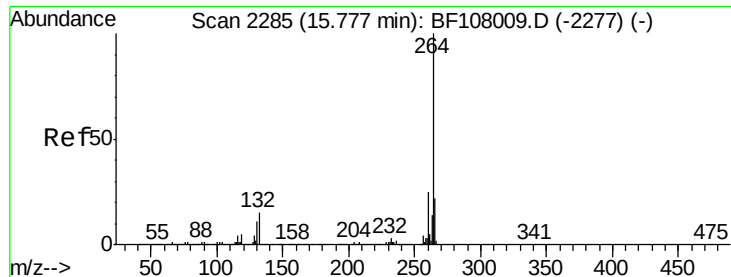


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF108296.D
Acq: 20 Aug 2018 18:03

Instrument :
BNA_F
ClientSampleId :
G.L.-WC-UST-01RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	22.1	17.5	26.3

