

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103334.D
 Acq On : 1 Mar 2018 14:09
 Operator : SJ/JU
 Sample : J1720-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 09:24:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	150839	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	617148	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	245319	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	349629	20.00	ng	0.00
75) Chrysene-d12	14.06	240	234531	20.00	ng	0.00
86) Perylene-d12	15.57	264	180584	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1055735	105.86	ng	0.01
7) Phenol-d6	6.52	99	1265730	103.72	ng	0.00
23) Nitrobenzene-d5	7.44	82	848108	78.48	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	170342	82.03	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1109188	75.92	ng	0.00
78) Terphenyl-d14	12.99	244	716363	73.42	ng	0.00

Target Compounds

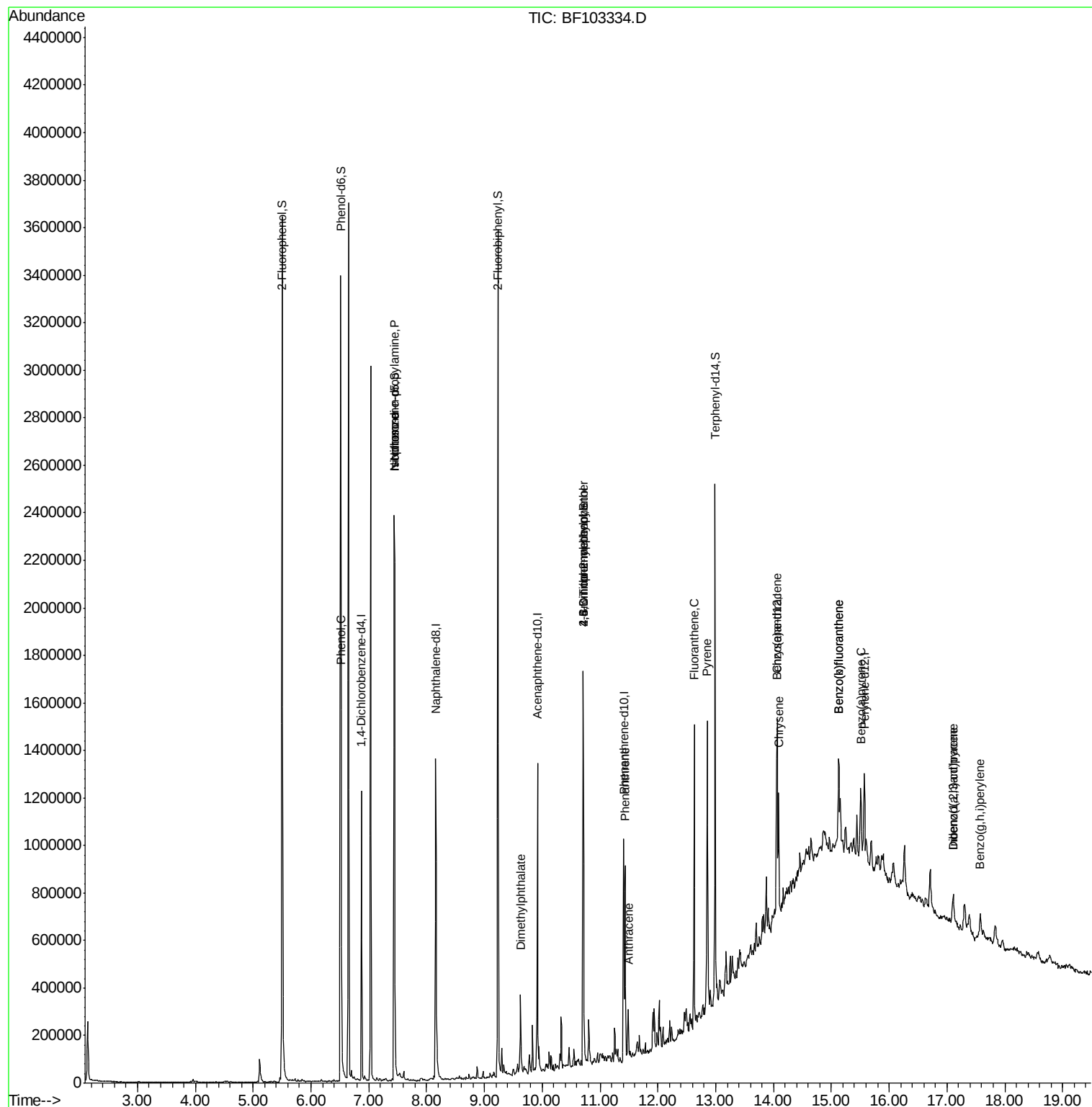
						Qvalue
10) Phenol	6.53	94	89204	6.296	ng	94
19) n-Nitroso-di-n-propylamine	7.44	70	115334	15.185	ng	# 85
25) Isophorone	7.44	82	848099	39.847	ng	# 64
49) Dimethylphthalate	9.62	163	127497	6.479	ng	99
64) 4,6-Dinitro-2-methylphenol	10.71	198	339	5.088	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	12256	3.365	ng	# 1
70) Phenanthrene	11.43	178	290071	15.076	ng	98
71) Anthracene	11.49	178	89778	4.550	ng	99
74) Fluoranthene	12.63	202	484268	25.046	ng	99
77) Pyrene	12.86	202	474219	25.934	ng	99
80) Benzo(a)anthracene	14.05	228	228232	14.998	ng	97
82) Chrysene	14.09	228	202185	13.684	ng	98
85) Indeno(1,2,3-cd)pyrene	17.10	276	75044	6.415	ng	95
87) Benzo(b)fluoranthene	15.13	252	284820	23.988	ng	# 86
88) Benzo(k)fluoranthene	15.13	252	284820	25.475	ng	# 89
89) Benzo(a)pyrene	15.51	252	143990	13.580	ng	# 92
90) Dibenzo(a,h)anthracene	17.10	278	20498	2.502	ng	# 56
91) Benzo(g,h,i)perylene	17.57	276	74287	9.277	ng	# 87

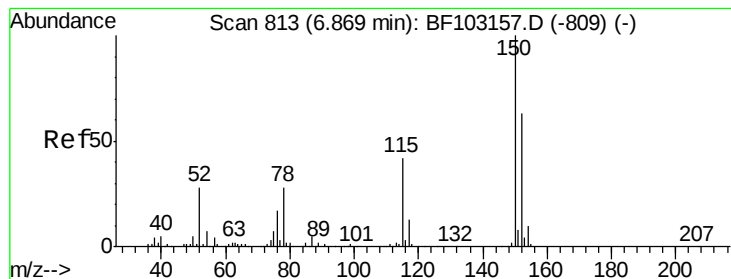
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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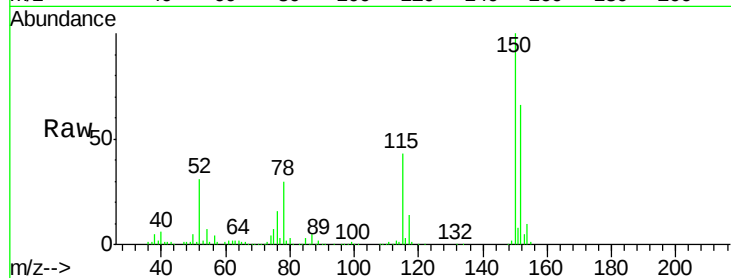


#1

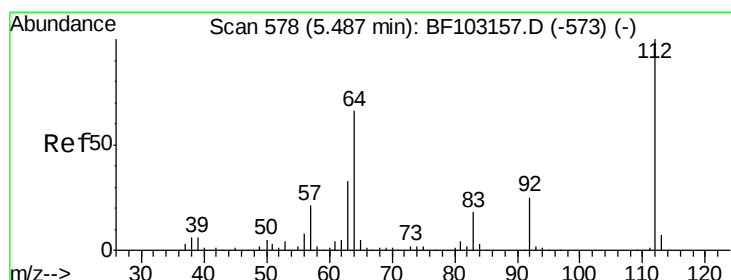
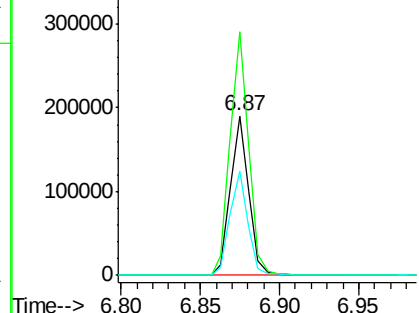
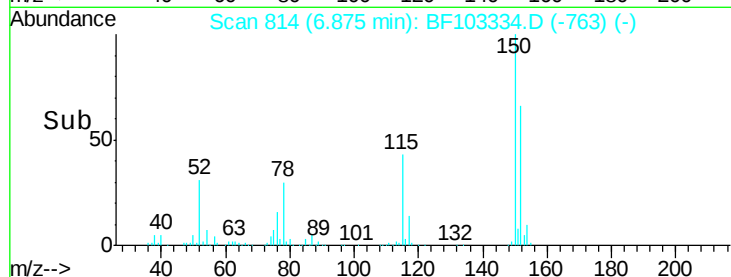
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103334.D
Acq: 1 Mar 2018 14:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	152	Resp	150839
Ion Ratio	Lower	Upper	
152	100		
150	152.4	124.6	186.8
115	65.3	50.1	75.1



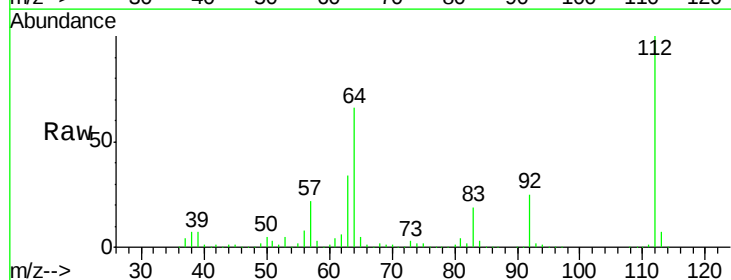
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



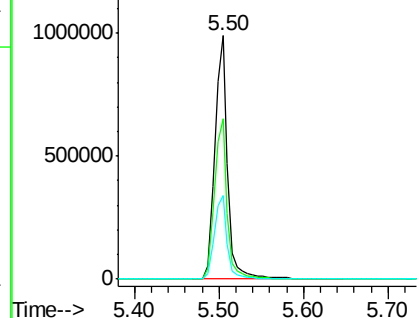
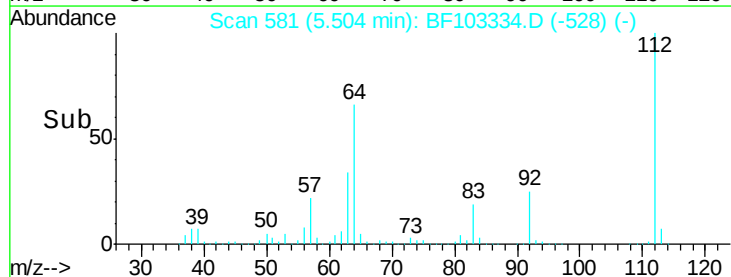
#5

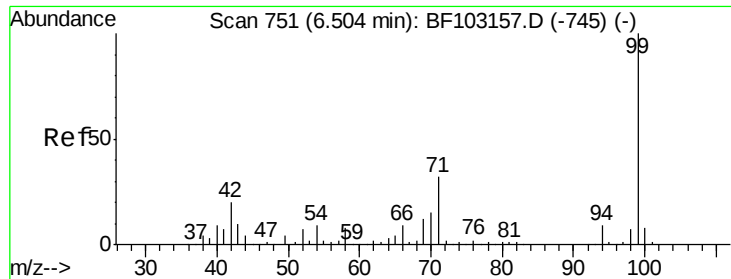
2-Fluorophenol
Concen: 105.856 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103334.D
Acq: 1 Mar 2018 14:09

Tgt Ion	112	Resp	1055735
Ion Ratio	Lower	Upper	
112	100		
64	65.7	47.9	71.9
63	34.3	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: 103.716 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103334.D

Acq: 1 Mar 2018 14:09

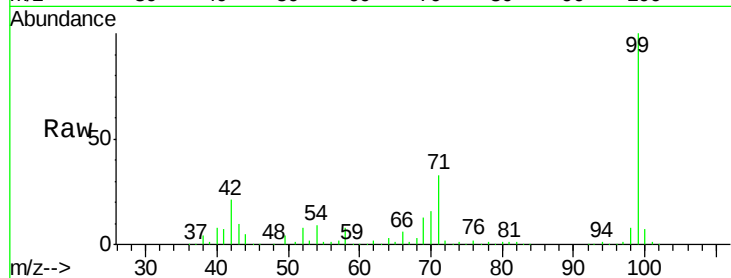
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1265730

Ion	Ratio	Lower	Upper
99	100		
42	20.9	14.5	21.7
71	33.3	25.4	38.0

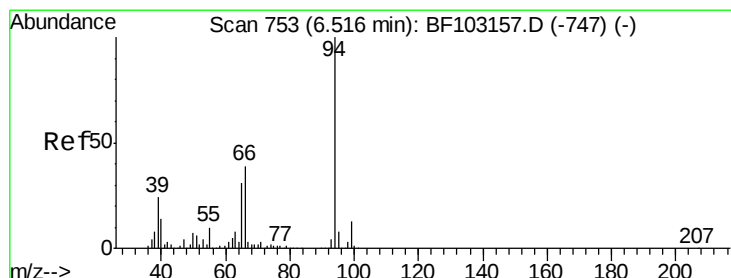
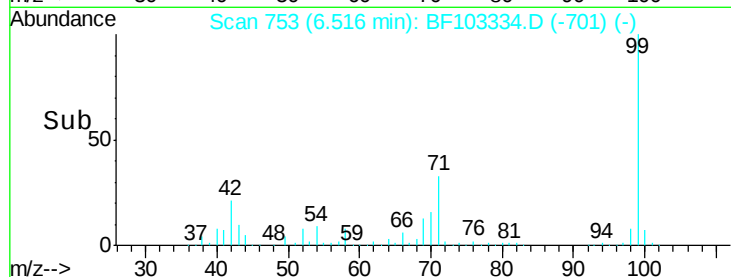
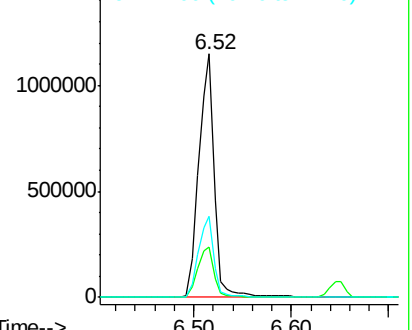


Abundance

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



#10

Phenol

Concen: 6.296 ng

RT: 6.53 min Scan# 755

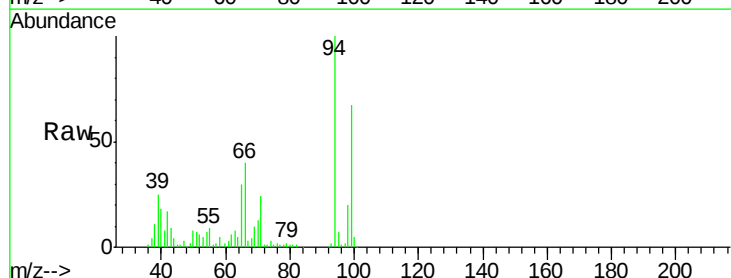
Delta R.T. 0.01 min

Lab File: BF103334.D

Acq: 1 Mar 2018 14:09

Tgt Ion: 94 Resp: 89204

Ion	Ratio	Lower	Upper
94	100		
65	30.5	7.9	47.9
66	39.9	16.2	56.2

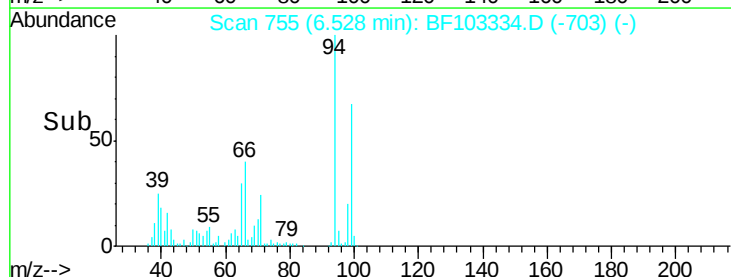
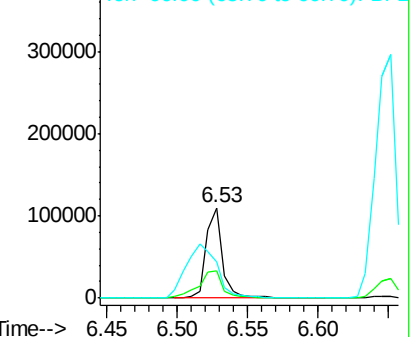


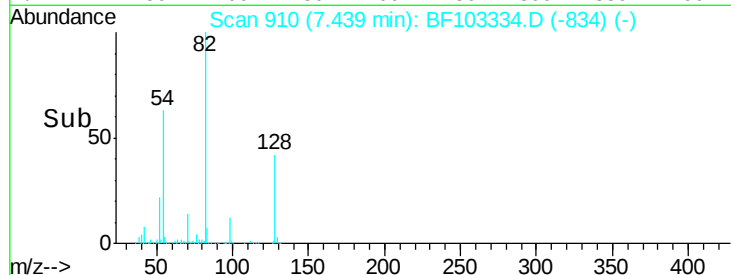
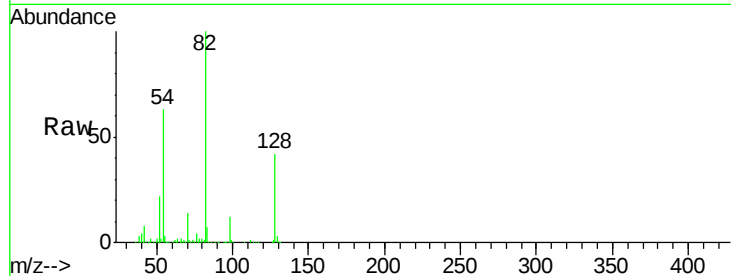
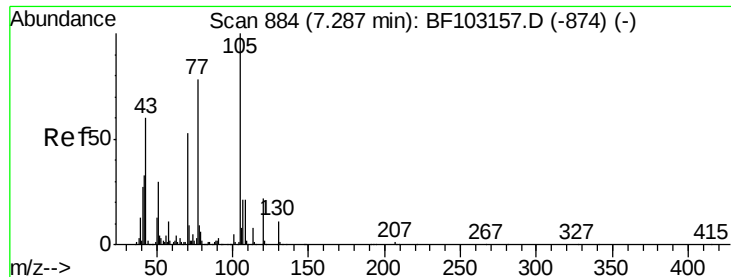
Abundance

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

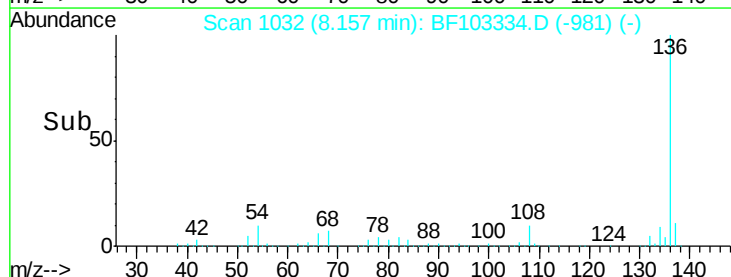
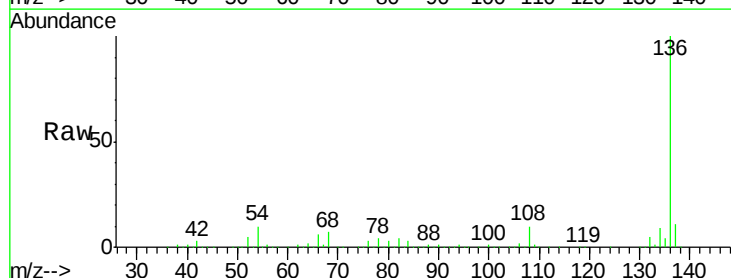
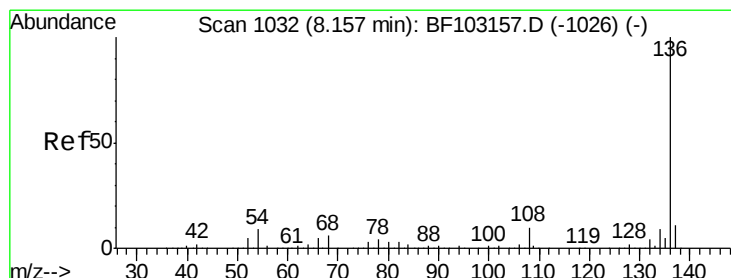
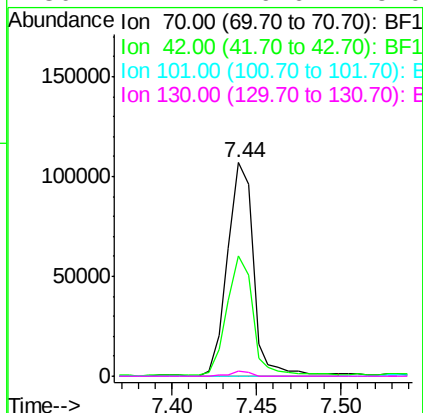




#19
n-Nitroso-di-n-propylamine
Concen: 15.185 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103334.D
Acq: 1 Mar 2018 14:09

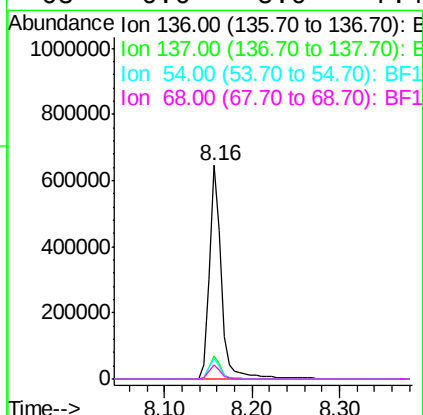
Instrument :
BNA_F
ClientSampleId :

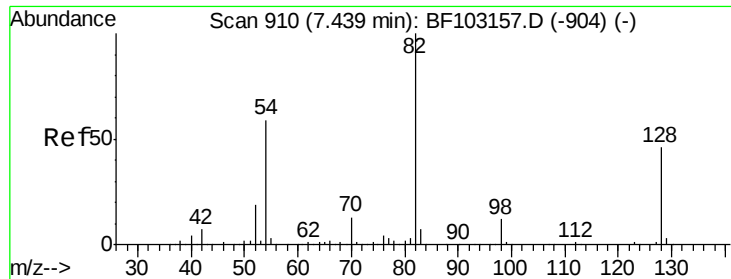
Tot Ion: 70 Resp: 115334
Ion Ratio Lower Upper
70 100
42 56.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103334.D
Acq: 1 Mar 2018 14:09

Tgt Ion: 136 Resp: 617148
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.7 6.6 9.8
68 6.6 5.0 7.4

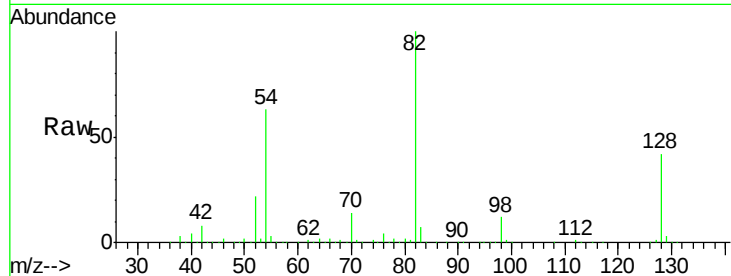




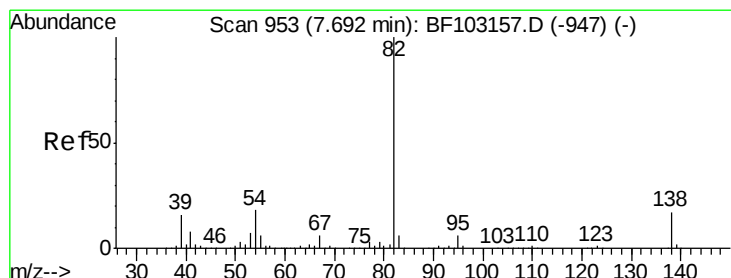
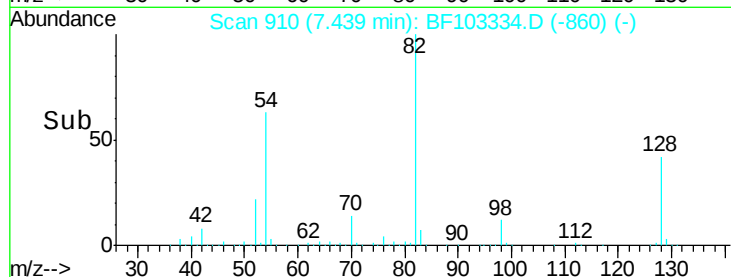
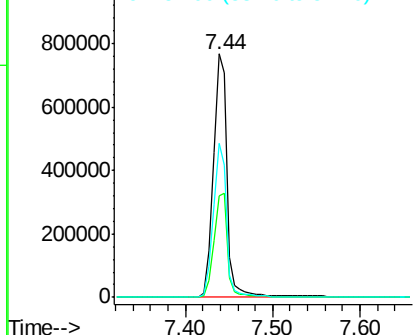
#23
Nitrobenzene-d5
Concen: 78.481 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103334.D
Acq: 1 Mar 2018 14:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 848108
Ion Ratio Lower Upper
82 100
128 41.8 36.1 54.1
54 63.3 41.4 62.2#

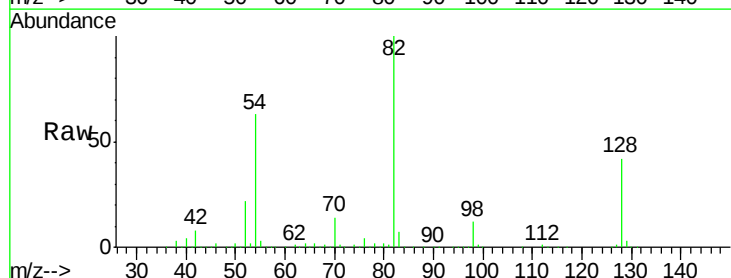


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

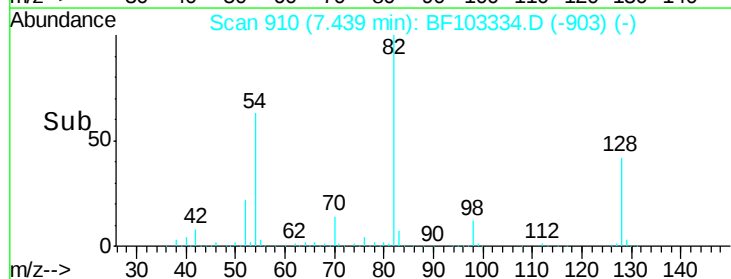
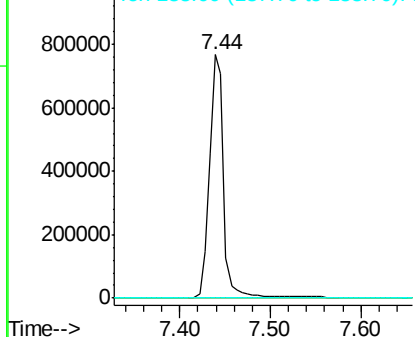


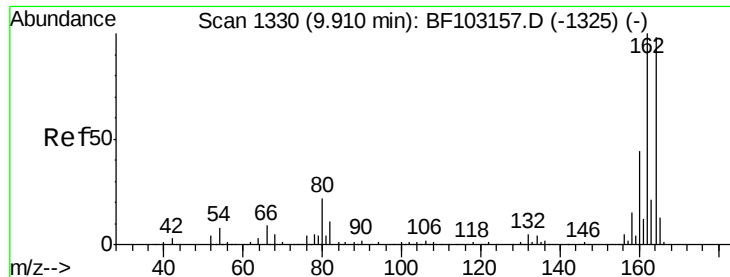
#25
Isophorone
Concen: 39.847 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103334.D
Acq: 1 Mar 2018 14:09

Tgt Ion: 82 Resp: 848099
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 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

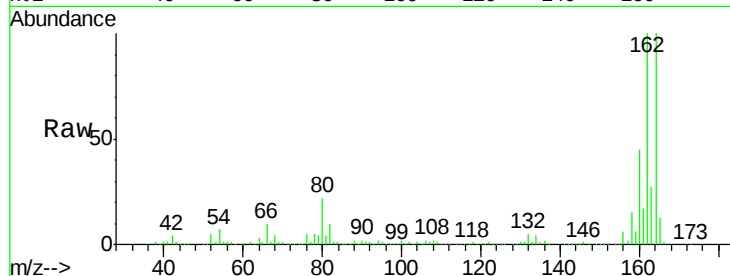




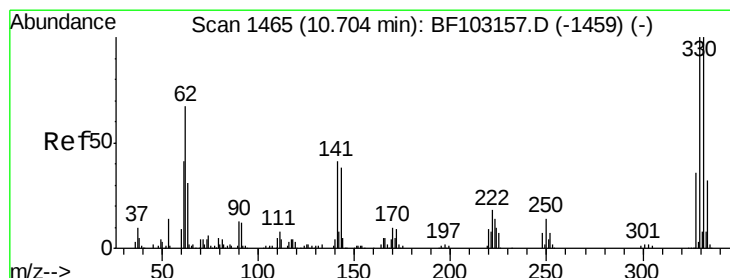
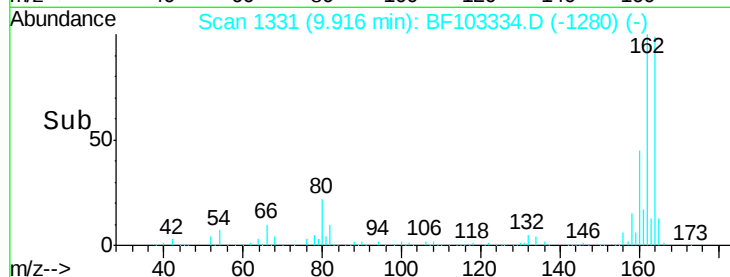
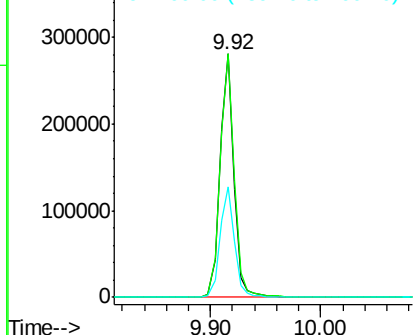
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BF103334.D
 Acq: 1 Mar 2018 14:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 245319
 Ion Ratio Lower Upper
 164 100
 162 99.9 86.1 129.1
 160 45.4 38.3 57.5

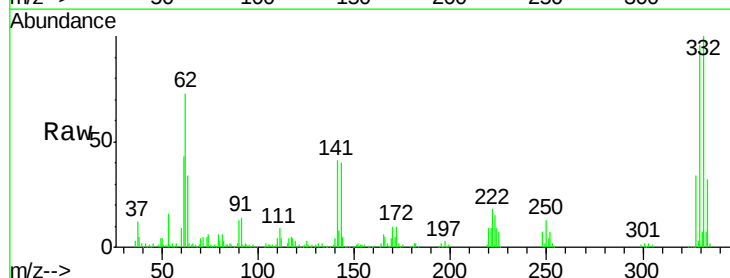


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

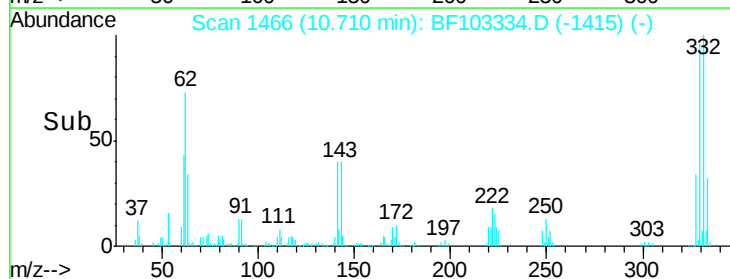
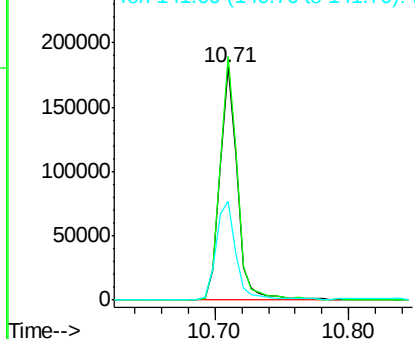


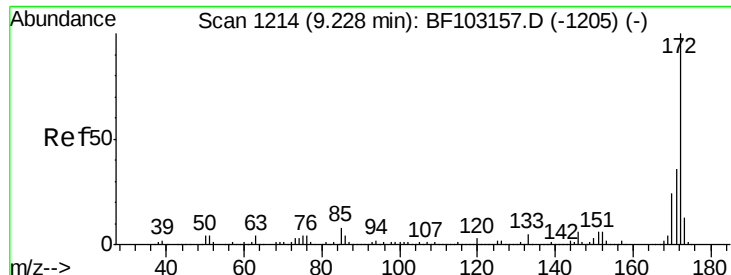
#41
 2,4,6-Tribromophenol
 Concen: 82.034 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103334.D
 Acq: 1 Mar 2018 14:09

Tgt Ion:330 Resp: 170342
 Ion Ratio Lower Upper
 330 100
 332 103.6 77.0 115.6
 141 46.5 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

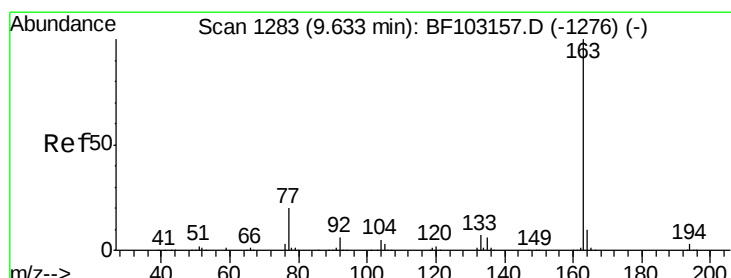
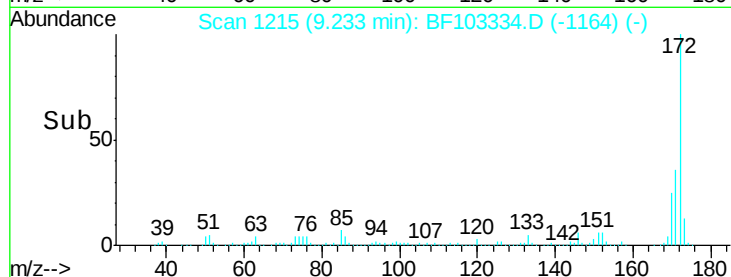
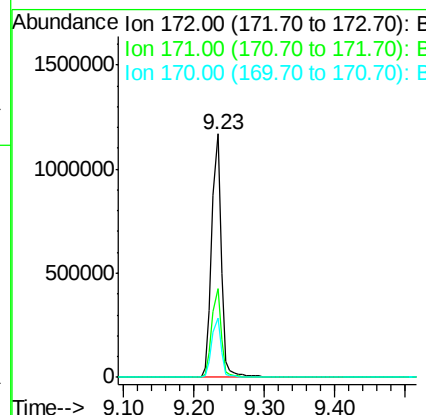
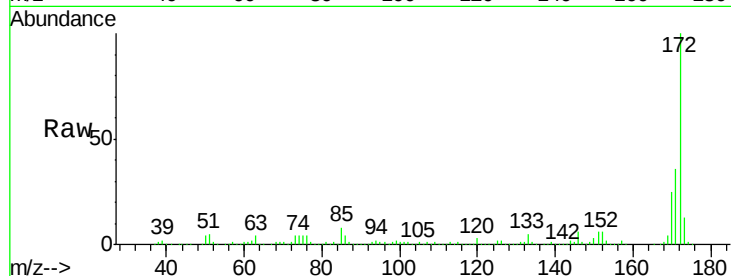




#44
 2-Fluorobiphenyl
 Concen: 75.916 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103334.D
 Acq: 1 Mar 2018 14:09

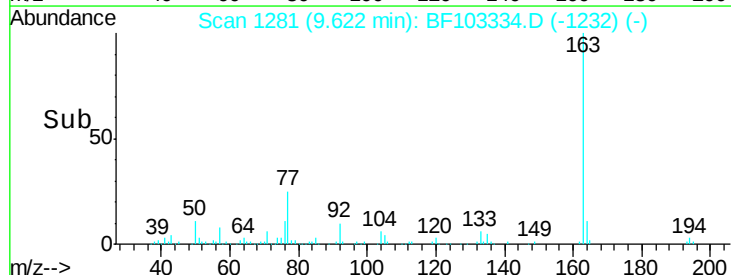
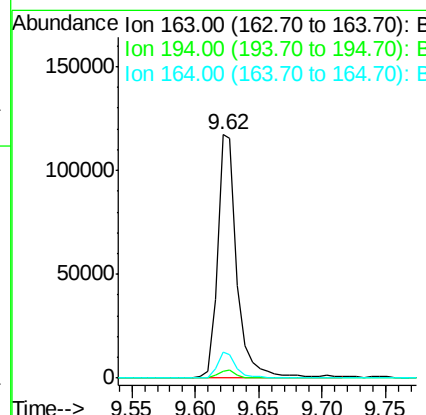
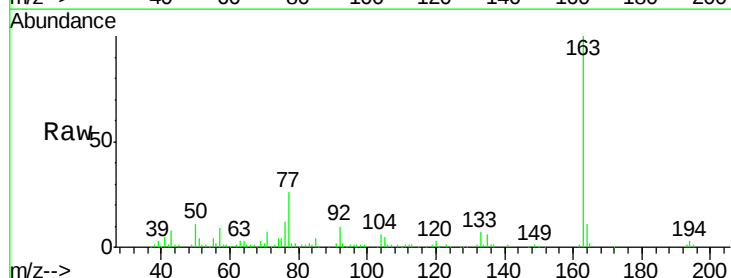
Instrument :
 BNA_F
 ClientSampleId :

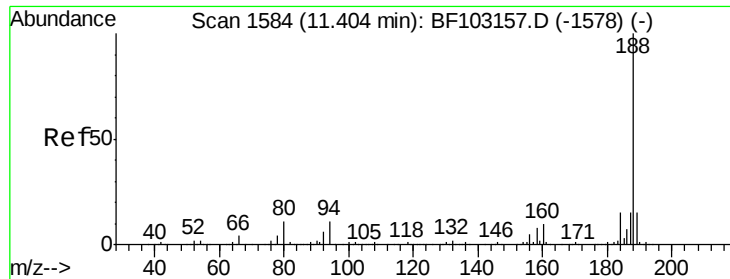
Tot Ion:172 Resp: 1109188
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.5 19.6 29.4



#49
 Dimethylphthalate
 Concen: 6.479 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF103334.D
 Acq: 1 Mar 2018 14:09

Tgt Ion:163 Resp: 127497
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.7 4.1
 164 10.6 8.2 12.2

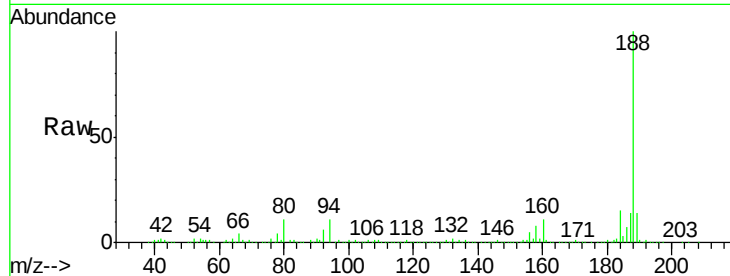




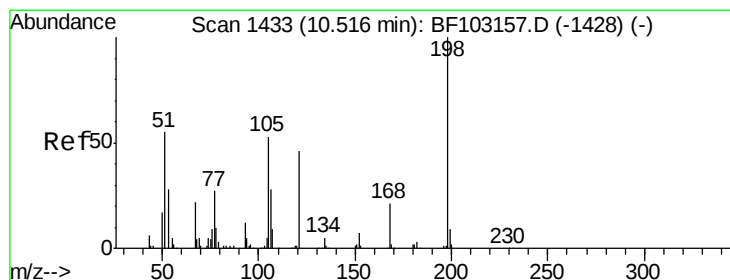
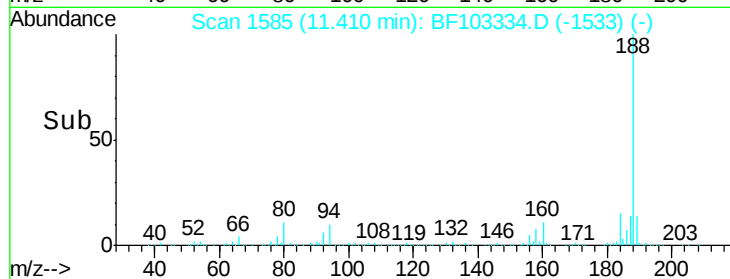
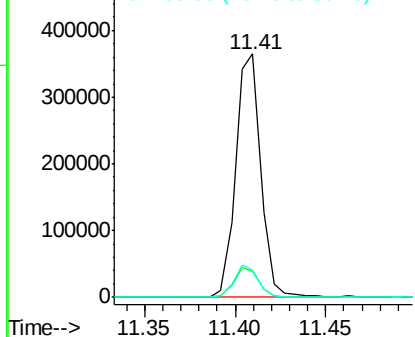
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: BF103334.D
 Acq: 1 Mar 2018 14:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 349629
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 11.2 9.2 13.8

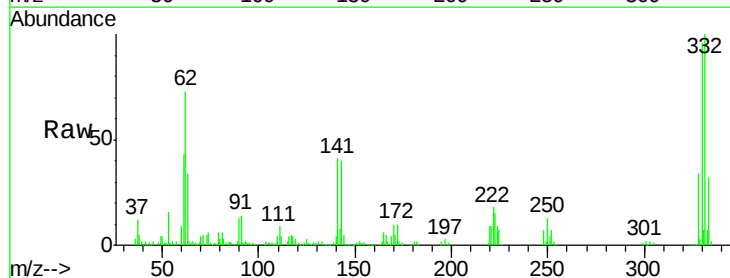


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

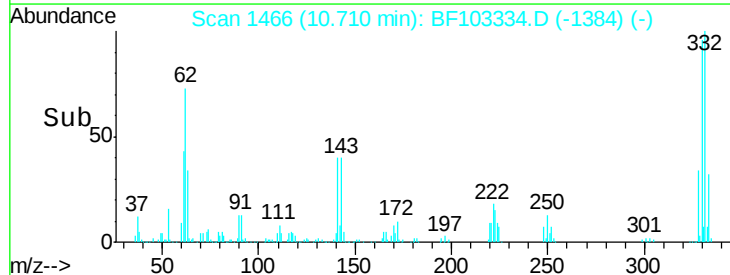
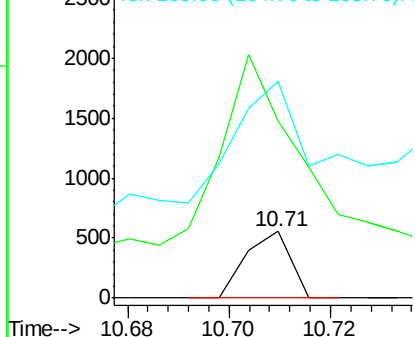


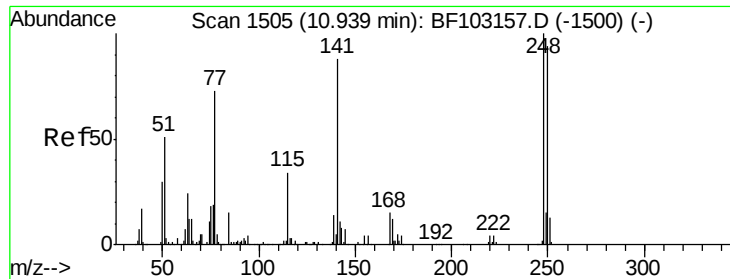
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.088 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.18 min
 Lab File: BF103334.D
 Acq: 1 Mar 2018 14:09

Tgt Ion:198 Resp: 339
 Ion Ratio Lower Upper
 198 100
 51 265.1 37.7 77.7#
 105 323.8 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

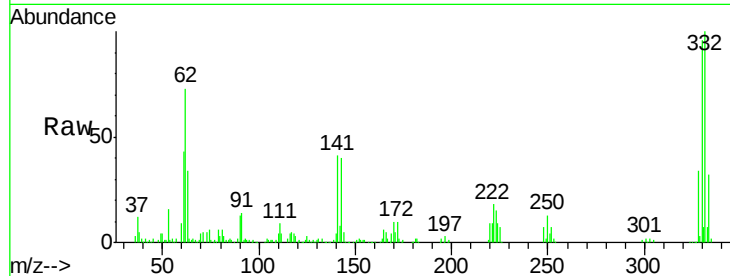




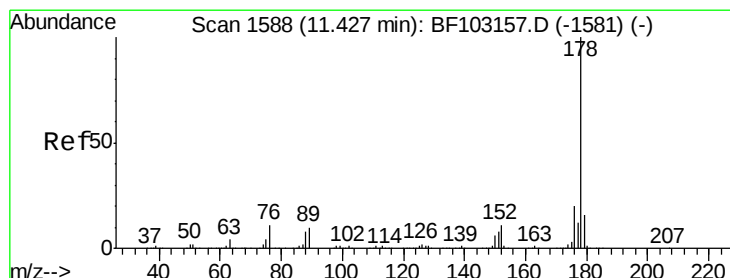
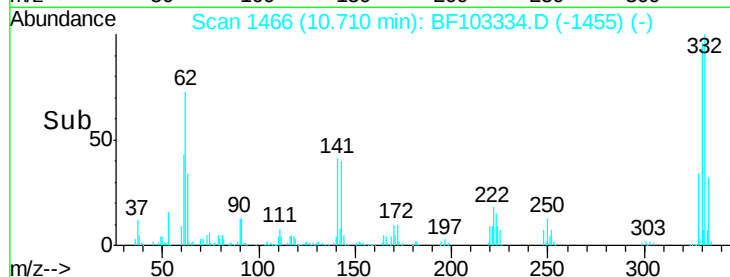
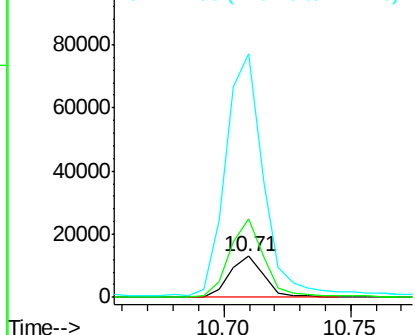
#66
4-Bromophenyl-phenylether
Concen: 3.365 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103334.D
Acq: 1 Mar 2018 14:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12256
Ion Ratio Lower Upper
248 100
250 190.6 76.9 115.3#
141 591.3 74.4 111.6#

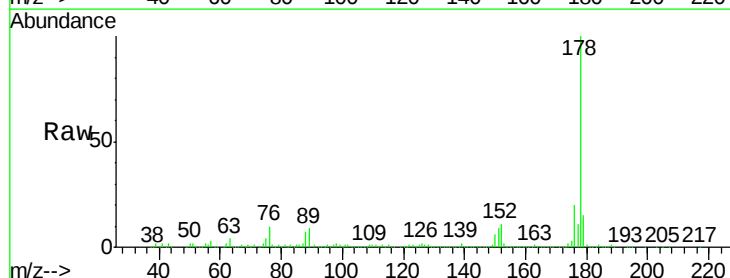


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

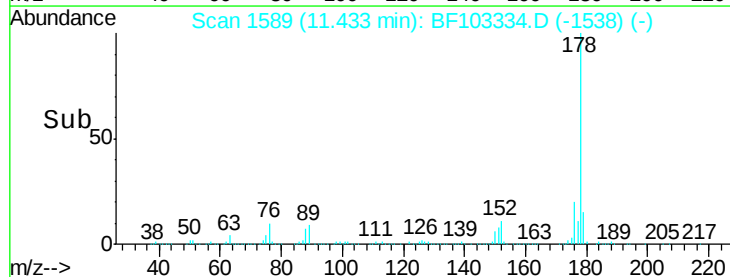
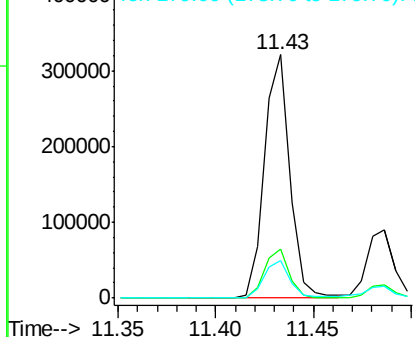


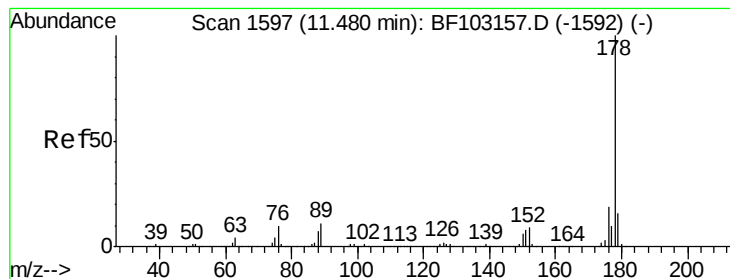
#70
Phenanthrene
Concen: 15.076 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103334.D
Acq: 1 Mar 2018 14:09

Tgt Ion:178 Resp: 290071
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 15.3 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





#71

Anthracene

Concen: 4.550 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF103334.D

Acq: 1 Mar 2018 14:09

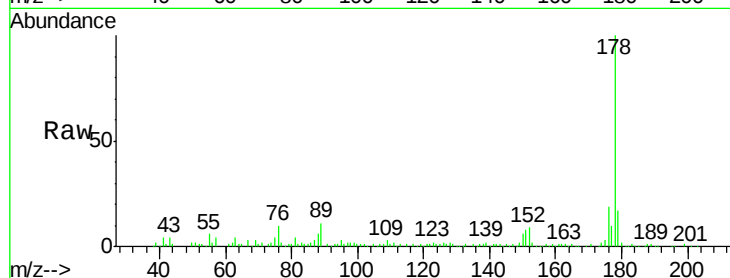
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 89778

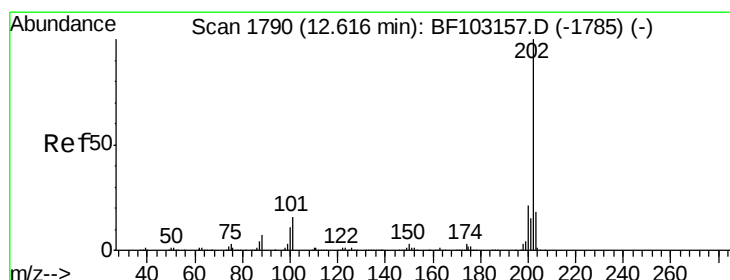
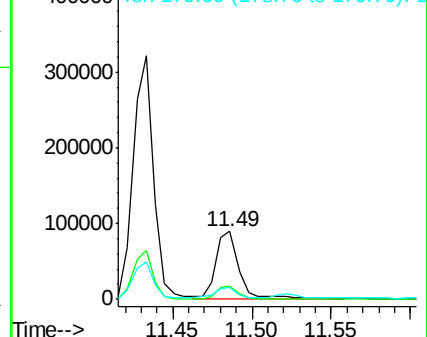
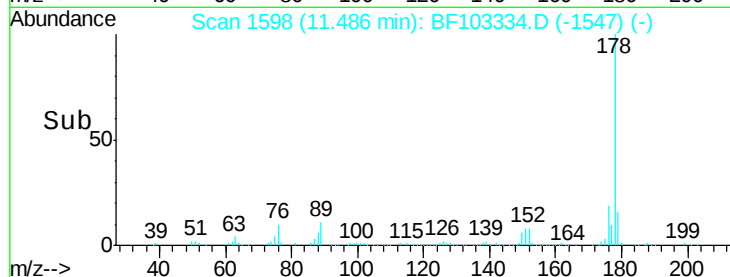
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.8	12.6	19.0



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



#74

Fluoranthene

Concen: 25.046 ng

RT: 12.63 min Scan# 1792

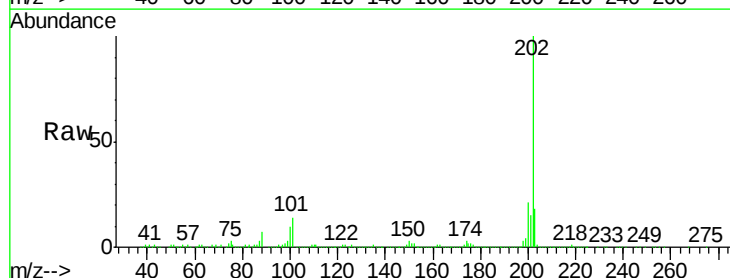
Delta R.T. 0.01 min

Lab File: BF103334.D

Acq: 1 Mar 2018 14:09

Tgt Ion:202 Resp: 484268

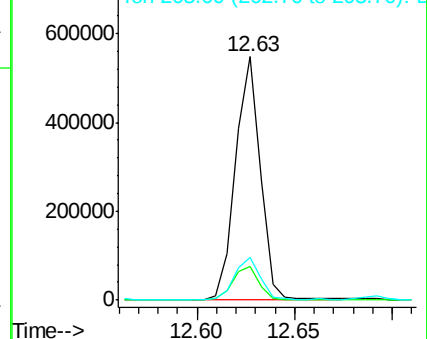
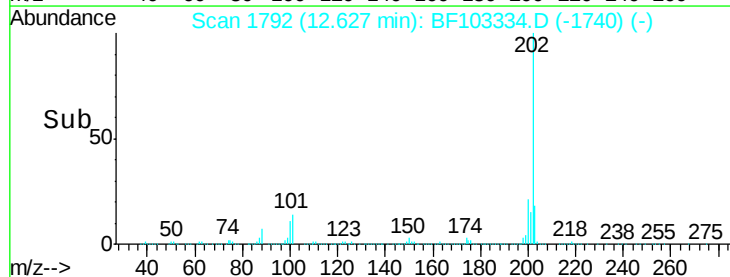
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.1
203	17.7	0.0	38.1

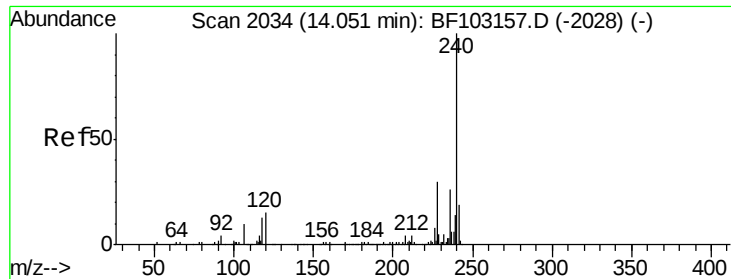


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF103334.D

Acq: 1 Mar 2018 14:09

Instrument :

BNA_F

ClientSampleId :

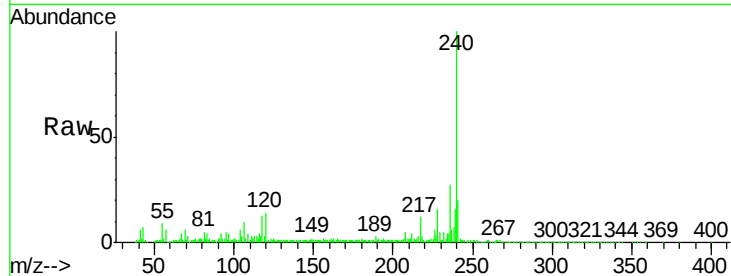
Tot Ion:240 Resp: 234531

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

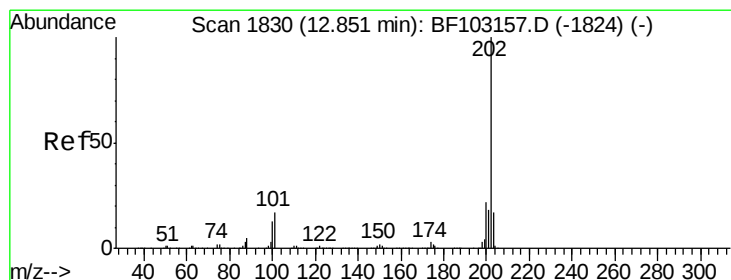
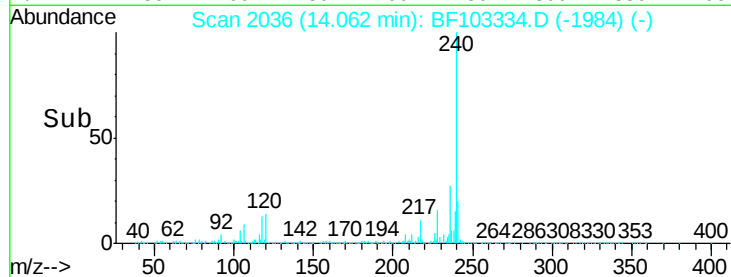
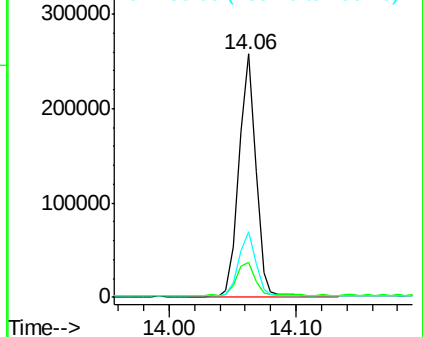
236 27.2 20.7 31.1



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: 25.934 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF103334.D

Acq: 1 Mar 2018 14:09

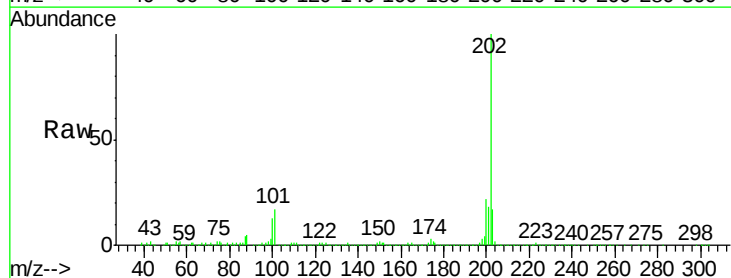
Tgt Ion:202 Resp: 474219

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

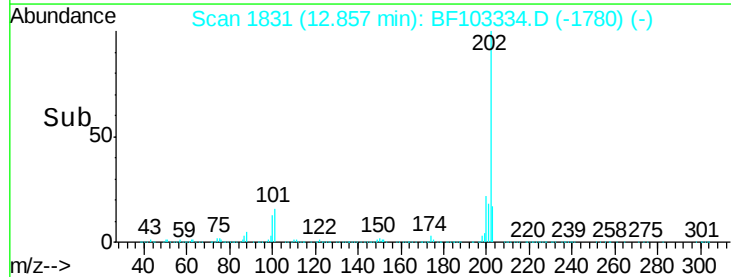
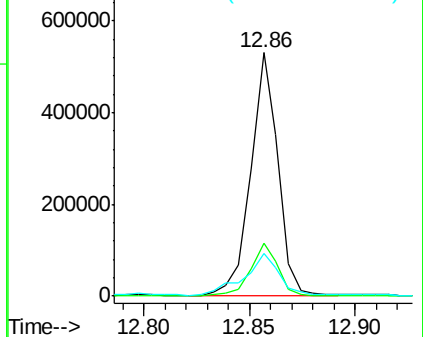
203 17.4 14.3 21.5

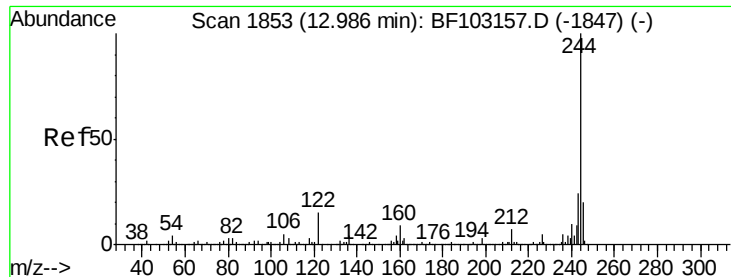


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.425 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103334.D

Acq: 1 Mar 2018 14:09

Instrument :

BNA_F

ClientSampleId :

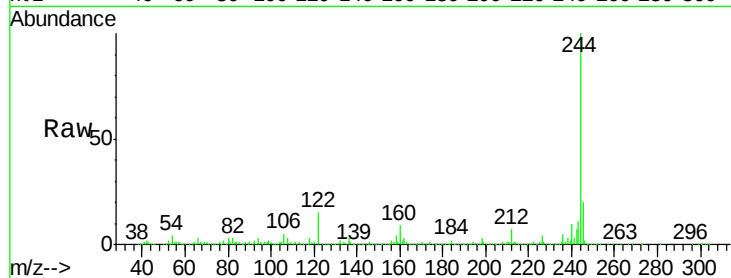
Tot Ion:244 Resp: 716363

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

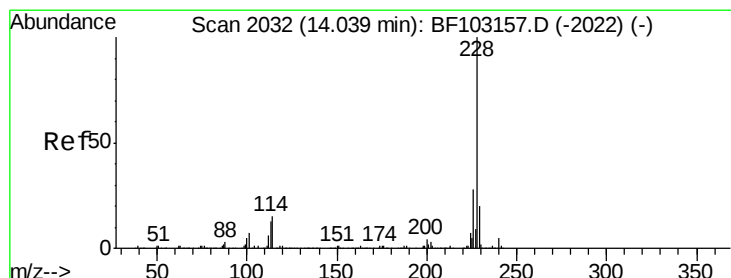
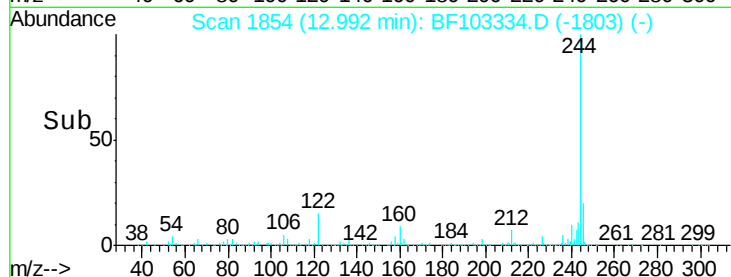
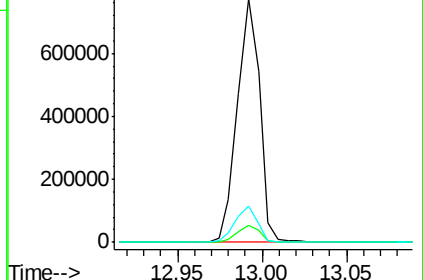
122 14.9 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 14.998 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF103334.D

Acq: 1 Mar 2018 14:09

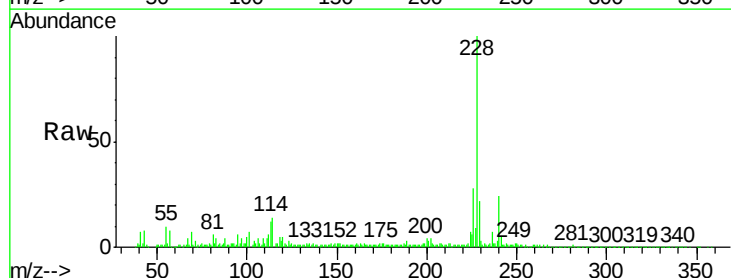
Tgt Ion:228 Resp: 228232

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

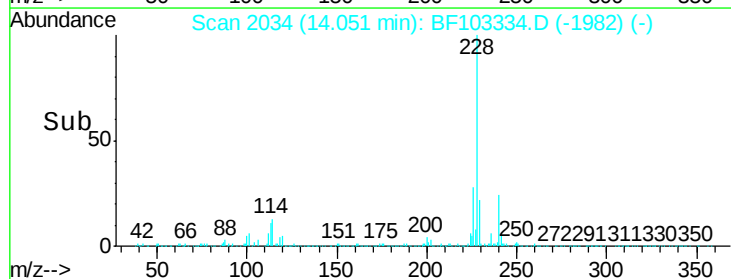
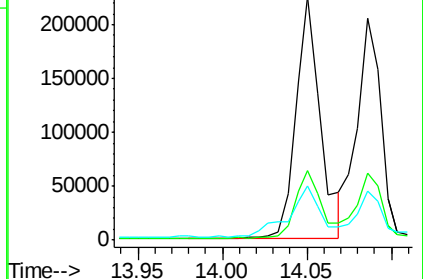
229 22.3 15.8 23.6

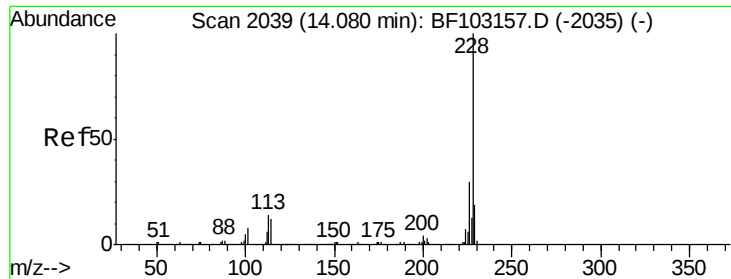


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.684 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BF103334.D

Acq: 1 Mar 2018 14:09

Instrument :

BNA_F

ClientSampleId :

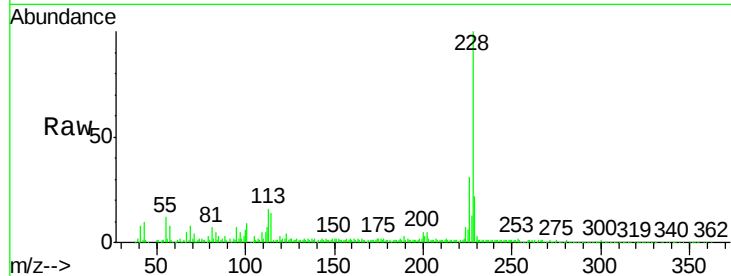
Tot Ion:228 Resp: 202185

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

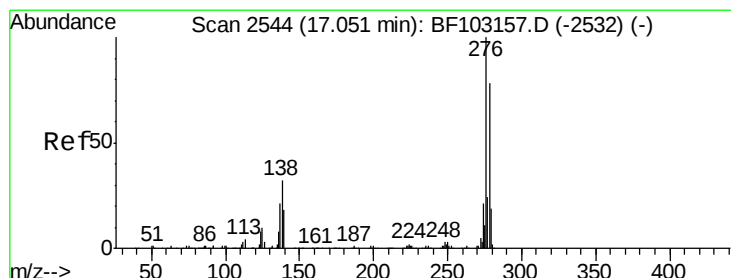
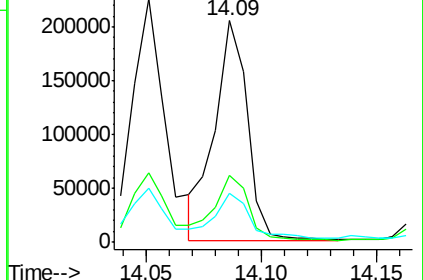
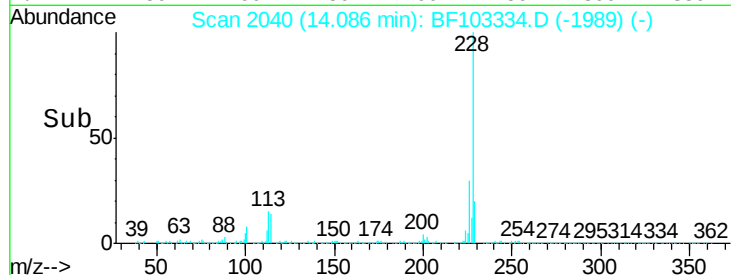
229 21.9 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.415 ng

RT: 17.10 min Scan# 2553

Delta R.T. 0.02 min

Lab File: BF103334.D

Acq: 1 Mar 2018 14:09

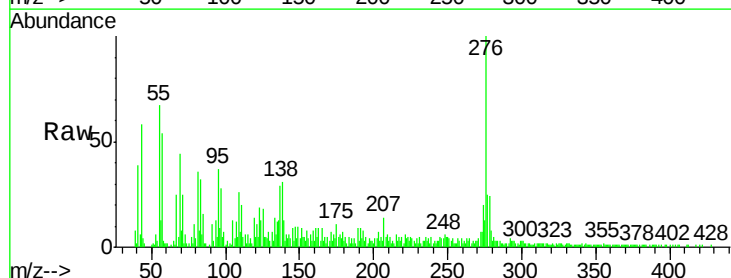
Tgt Ion:276 Resp: 75044

Ion Ratio Lower Upper

276 100

138 26.7 25.0 37.6

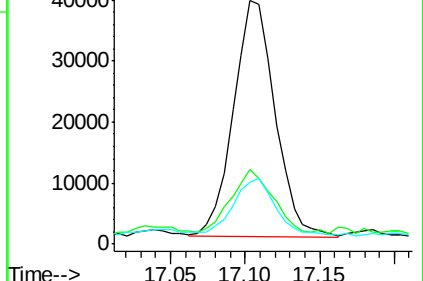
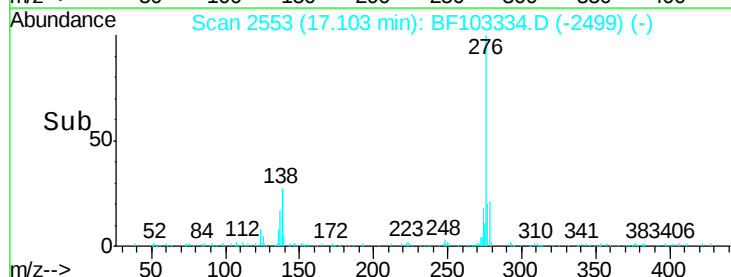
277 25.9 20.1 30.1

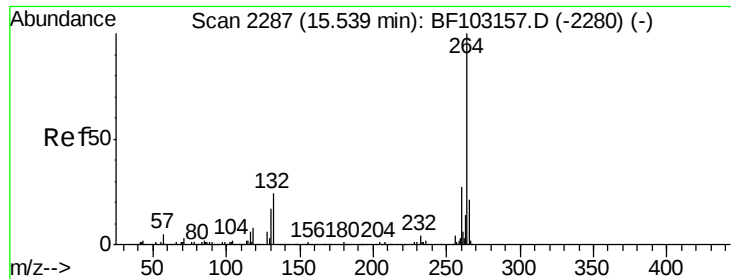


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

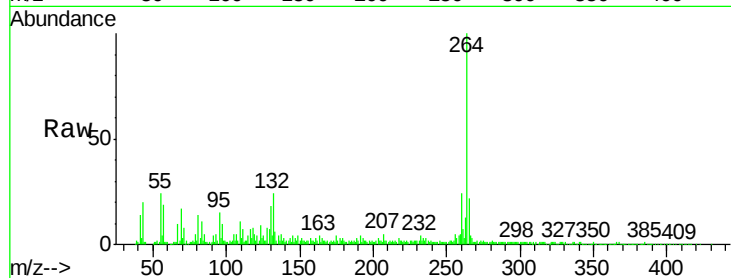




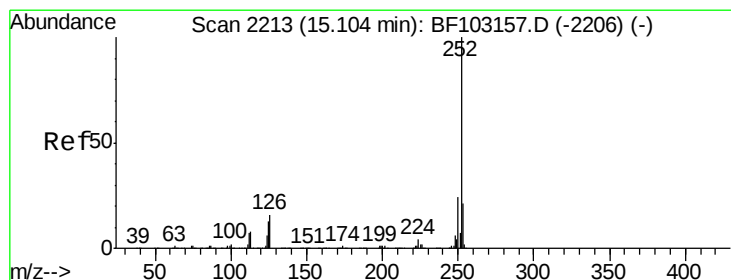
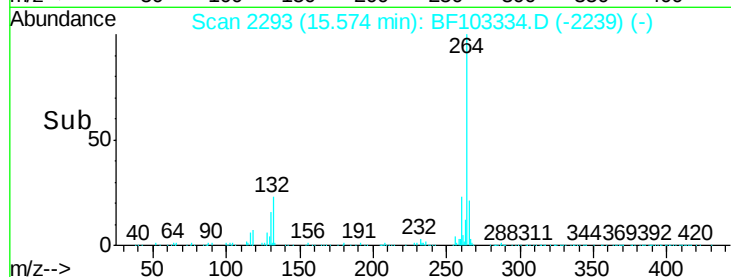
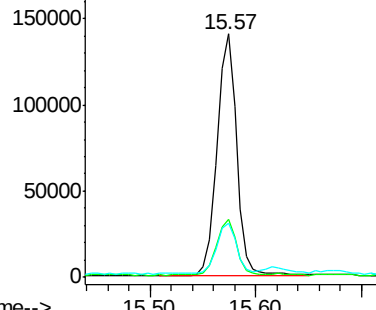
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.02 min
Lab File: BF103334.D
Acq: 1 Mar 2018 14:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 180584
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.5 17.5 26.3

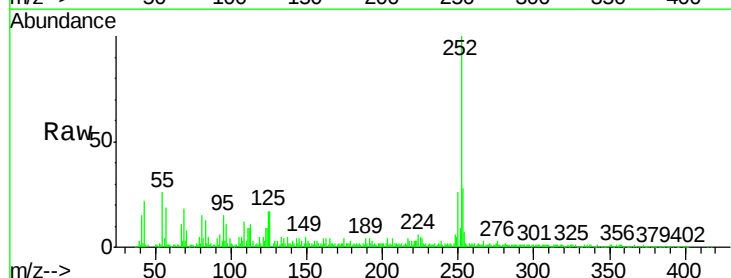


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

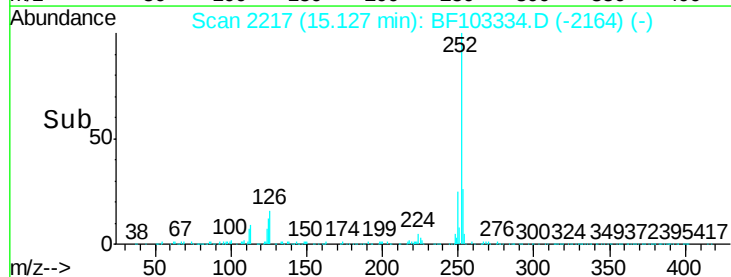
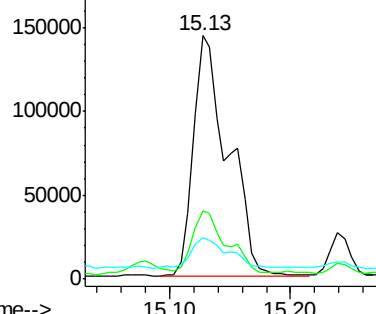


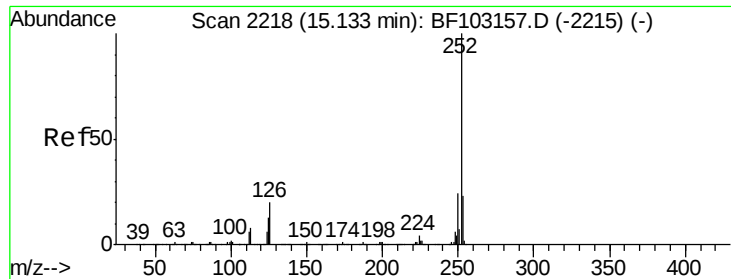
#87
Benzo(b)fluoranthene
Concen: 23.988 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103334.D
Acq: 1 Mar 2018 14:09

Tgt Ion:252 Resp: 284820
Ion Ratio Lower Upper
252 100
253 27.9 17.0 25.6#
125 16.7 9.0 13.6#



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

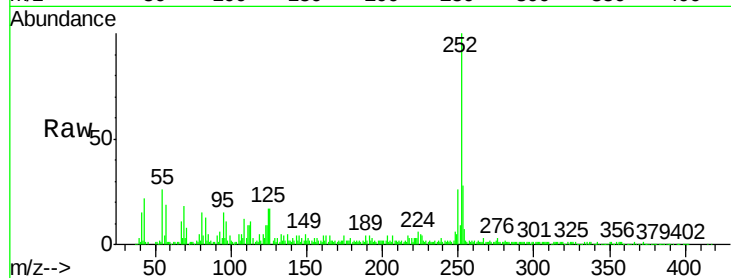




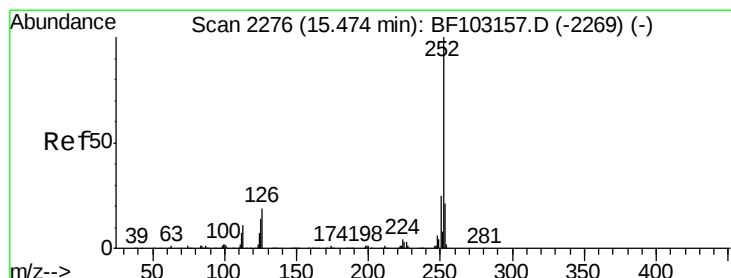
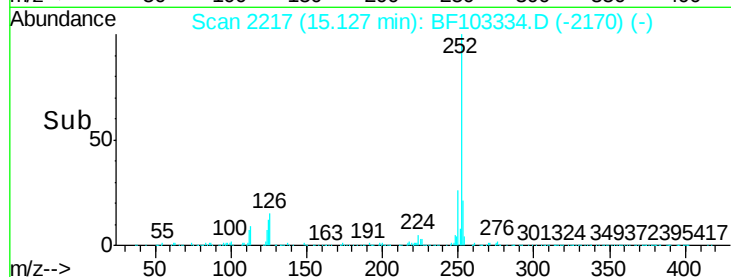
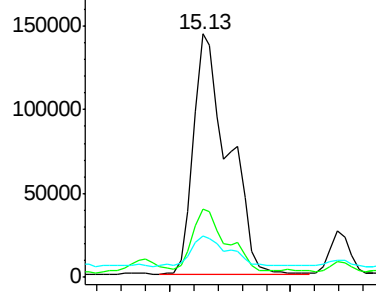
#88
Benzo(k)fluoranthene
Concen: 25.475 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF103334.D
Acq: 1 Mar 2018 14:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 284820
Ion Ratio Lower Upper
252 100
253 27.9 17.9 26.9#
125 16.7 10.2 15.2#

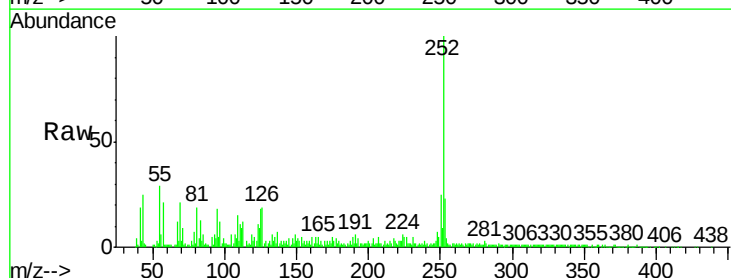


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

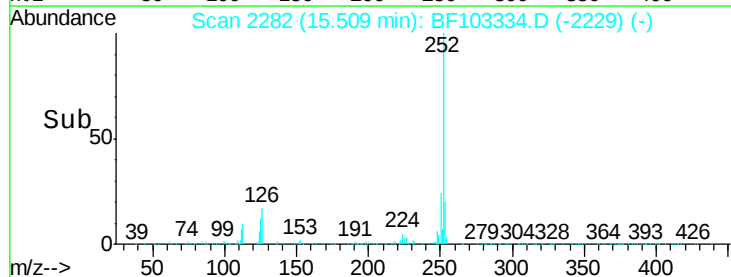
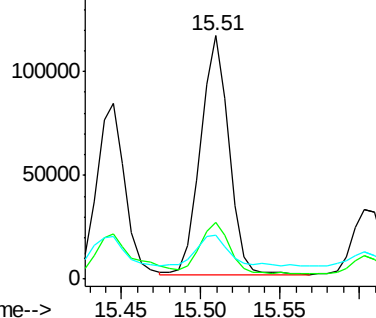


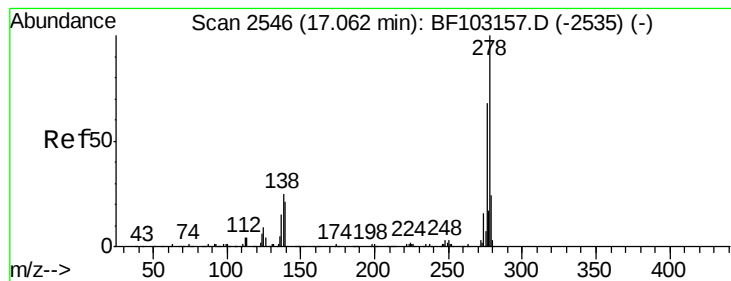
#89
Benzo(a)pyrene
Concen: 13.580 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF103334.D
Acq: 1 Mar 2018 14:09

Tgt Ion:252 Resp: 143990
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 18.1 9.8 14.6#



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





#90

Dibenzo(a,h)anthracene

Concen: 2.502 ng

RT: 17.10 min Scan# 2553

Delta R.T. 0.01 min

Lab File: BF103334.D

Acq: 1 Mar 2018 14:09

Instrument :

BNA_F

ClientSampleId :

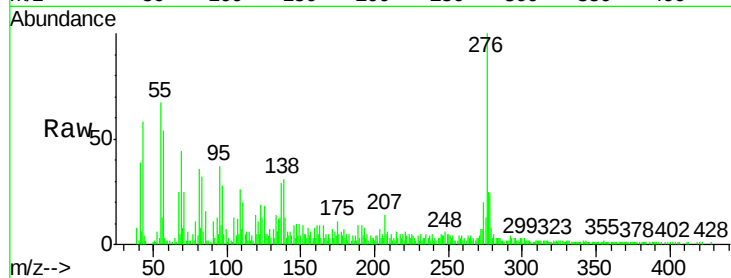
Tot Ion:278 Resp: 20498

Ion Ratio Lower Upper

278 100

139 52.7 15.9 23.9#

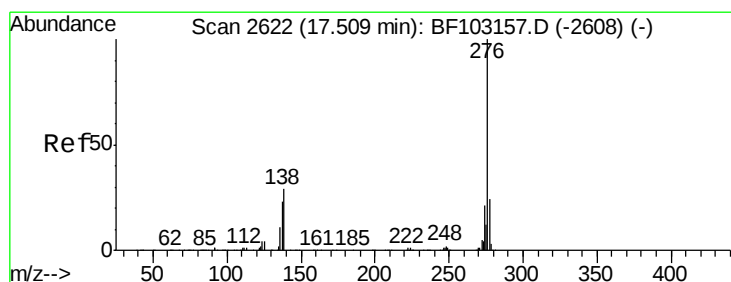
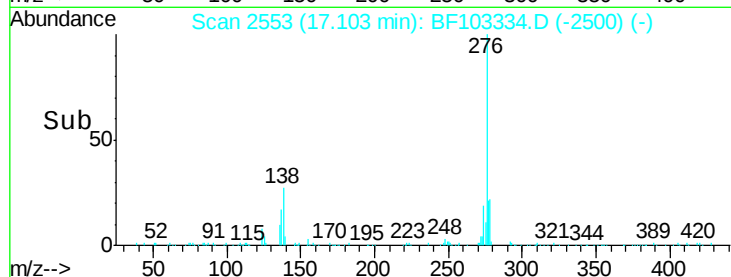
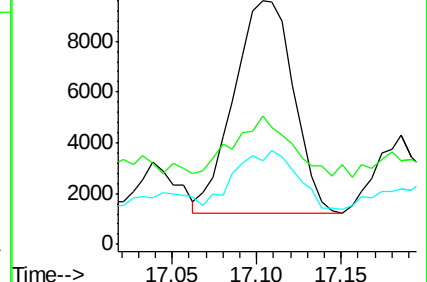
279 34.2 19.0 28.4#



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



#91

Benzo(g,h,i)perylene

Concen: 9.277 ng

RT: 17.57 min Scan# 2633

Delta R.T. 0.04 min

Lab File: BF103334.D

Acq: 1 Mar 2018 14:09

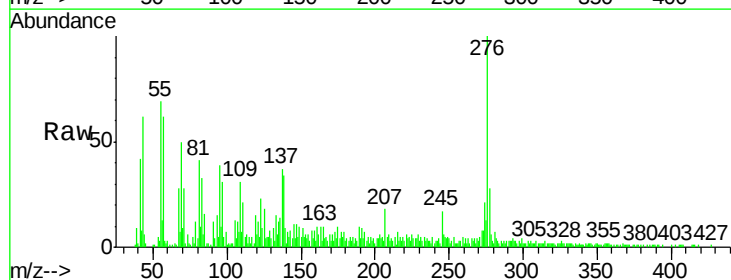
Tgt Ion:276 Resp: 74287

Ion Ratio Lower Upper

276 100

277 28.1 17.9 26.9#

138 34.3 21.8 32.8#



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

