

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102523.D
 Acq On : 27 Jan 2018 21:09
 Operator : SJ/JU
 Sample : J1009-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-012518-C

Quant Time: Jan 27 22:05:52 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	151471	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	595553	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	246318	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	347375	20.00	ng	0.00
75) Chrysene-d12	13.88	240	265978	20.00	ng	0.00
86) Perylene-d12	15.31	264	200926	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1017915	101.90	ng	0.01
7) Phenol-d6	6.36	99	1219216	101.23	ng	0.00
23) Nitrobenzene-d5	7.29	82	701270	67.67	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	186022	76.22	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	991251	59.17	ng	0.00
78) Terphenyl-d14	12.83	244	697456	59.11	ng	0.00

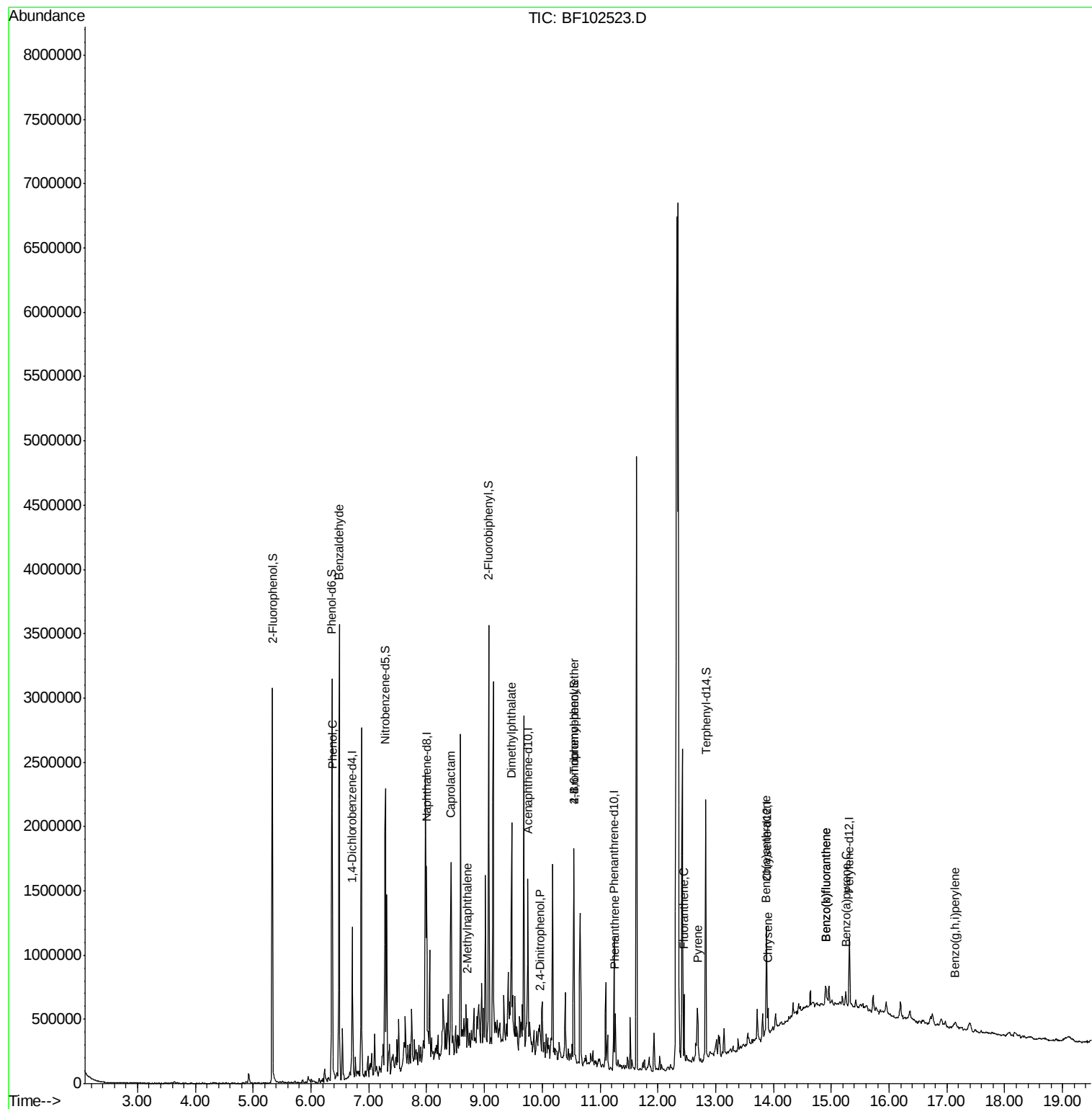
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	21912	2.631	ng	82
10) Phenol	6.37	94	52109	3.963	ng	98
35) Caprolactam	8.42	113	29858	10.950	ng	# 55
37) 2-Methylnaphthalene	8.71	142	64996	3.282	ng	100
49) Dimethylphthalate	9.47	163	92605	4.548	ng	# 99
53) 2,4-Dinitrophenol	9.97	184	269	3.826	ng	# 68
66) 4-Bromophenyl-phenylether	10.55	248	13239	3.540	ng	# 1
70) Phenanthrene	11.26	178	156747	7.744	ng	97
74) Fluoranthene	12.45	202	208175	10.085	ng	100
77) Pyrene	12.68	202	168168	8.178	ng	99
80) Benzo(a)anthracene	13.87	228	78661	4.804	ng	97
82) Chrysene	13.90	228	75589	4.546	ng	95
87) Benzo(b)fluoranthene	14.90	252	101901	7.825	ng	# 79
88) Benzo(k)fluoranthene	14.90	252	101901	8.282	ng	# 82
89) Benzo(a)pyrene	15.25	252	46001	3.917	ng	# 80
91) Benzo(g,h,i)perylene	17.14	276	20284	2.159	ng	# 90

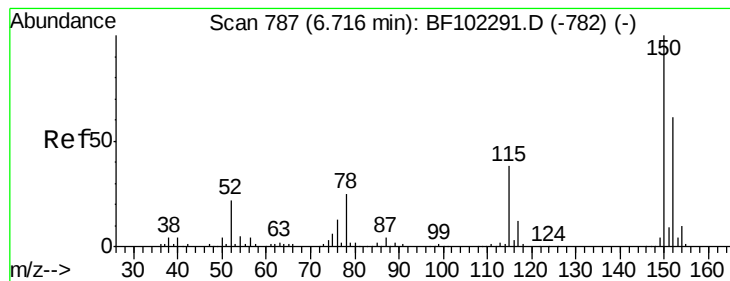
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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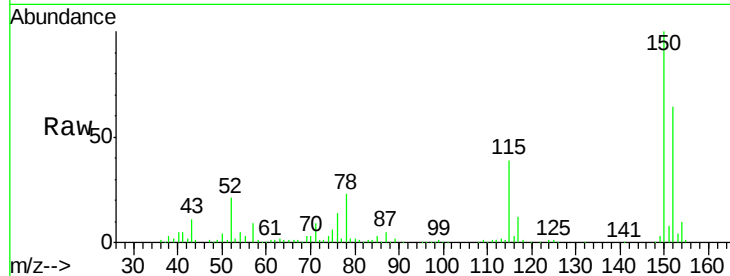


#1

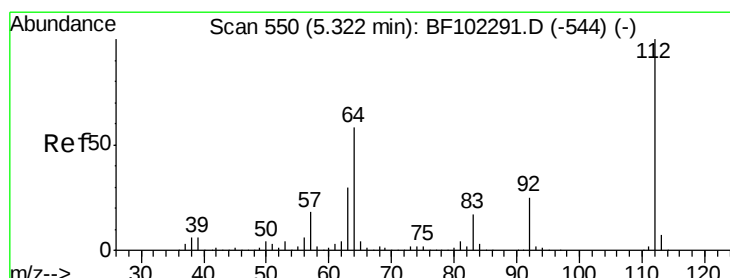
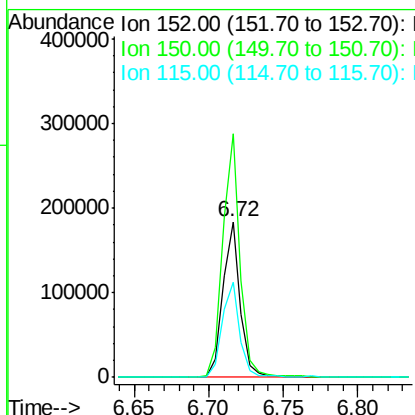
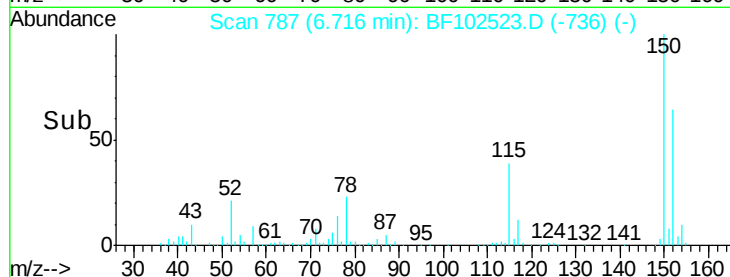
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BF102523.D
 Acq: 27 Jan 2018 21:09

Instrument :
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Tgt Ion:152 Resp: 151471
 Ion Ratio Lower Upper
 152 100
 150 156.5 124.6 186.8
 115 61.5 50.1 75.1



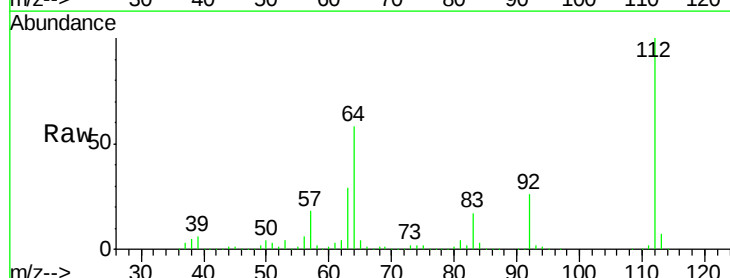
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



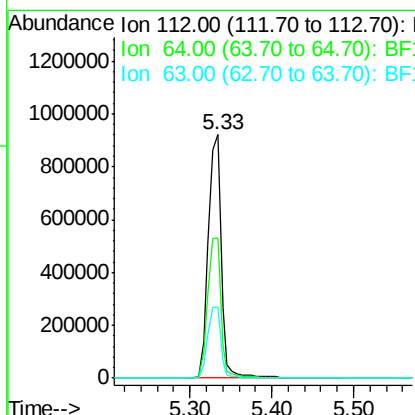
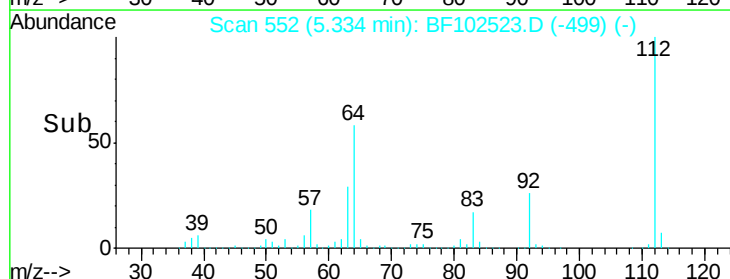
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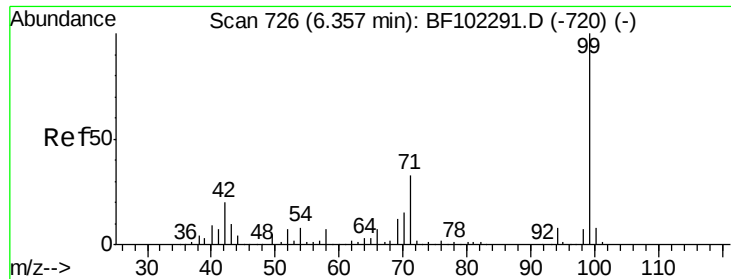
2-Fluorophenol
 Concen: 101.896 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF102523.D
 Acq: 27 Jan 2018 21:09

Tgt Ion:112 Resp: 1017915
 Ion Ratio Lower Upper
 112 100
 64 57.6 47.9 71.9
 63 29.3 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: 101.234 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

Instrument :

BNA_F

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AU-06-012518-C

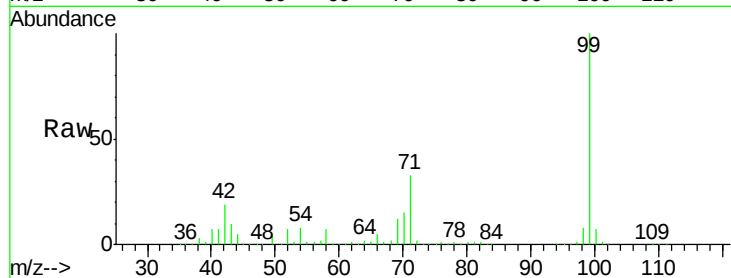
Tgt Ion: 99 Resp: 1219216

Ion Ratio Lower Upper

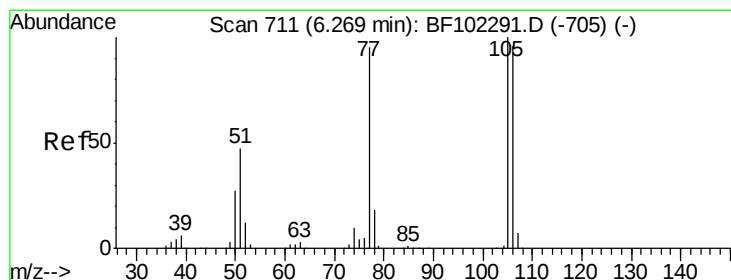
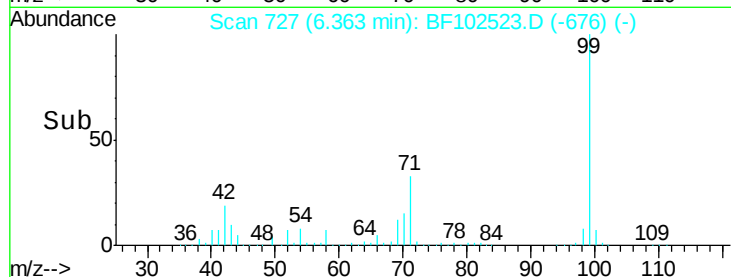
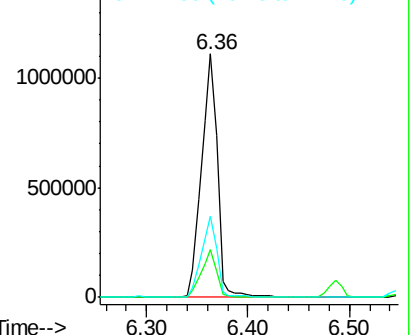
99 100

42 19.4 14.5 21.7

71 33.5 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



#9

Benzaldehyde

Concen: 2.631 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

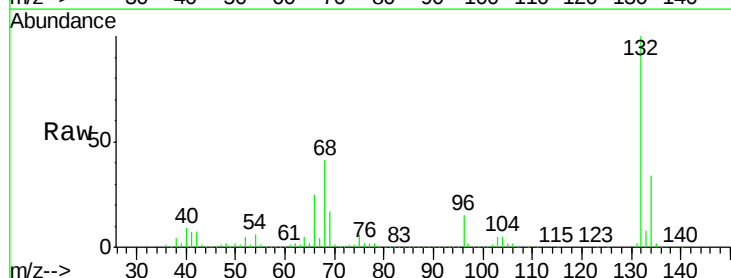
Tgt Ion: 77 Resp: 21912

Ion Ratio Lower Upper

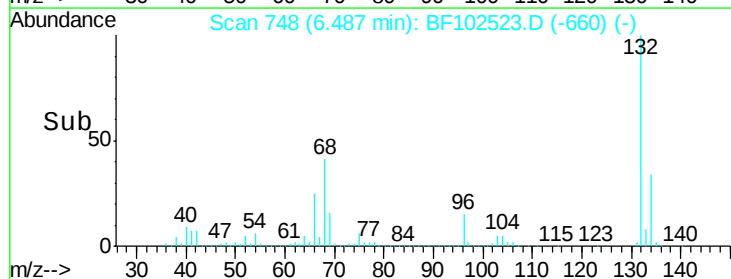
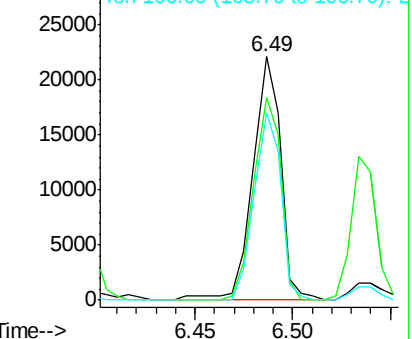
77 100

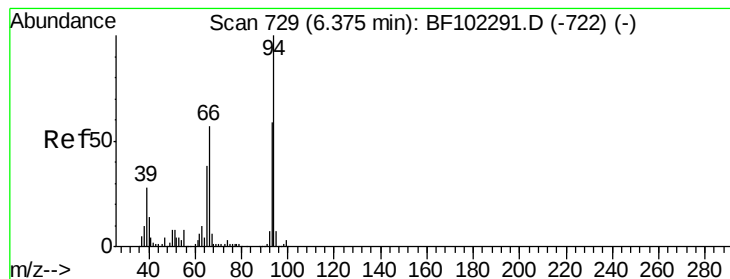
105 83.1 81.1 121.1

106 76.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.963 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

Instrument :

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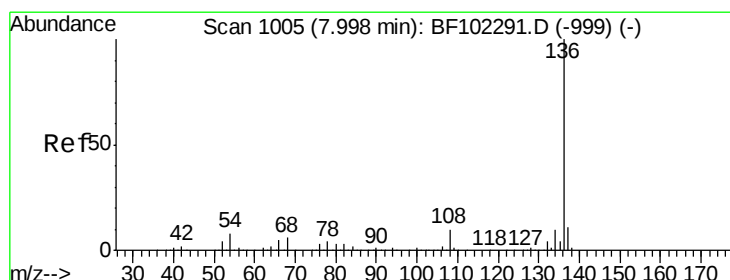
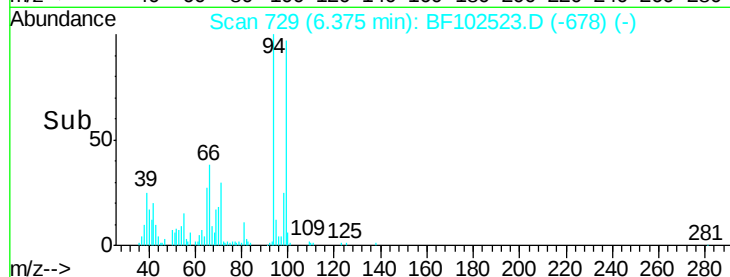
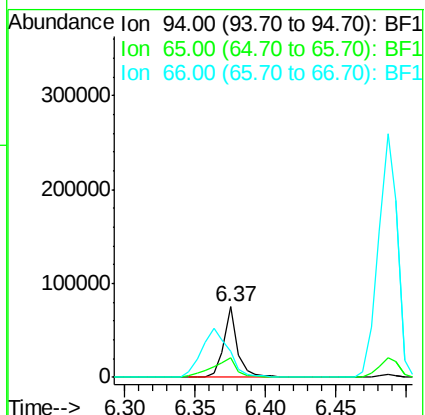
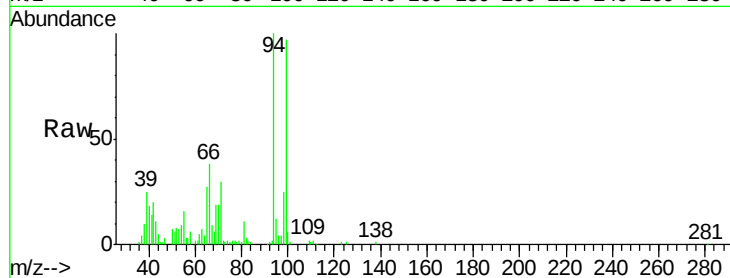
Tgt Ion: 94 Resp: 52109

Ion Ratio Lower Upper

94 100

65 27.0 7.9 47.9

66 37.6 16.2 56.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

Tgt Ion: 136 Resp: 595553

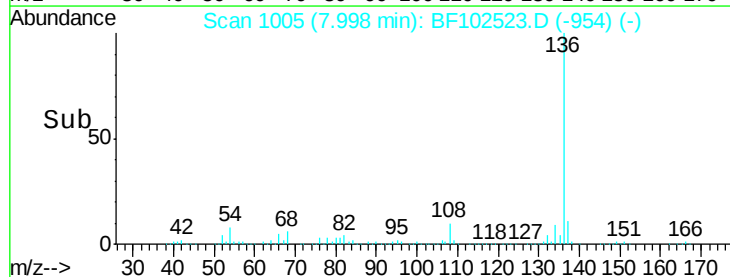
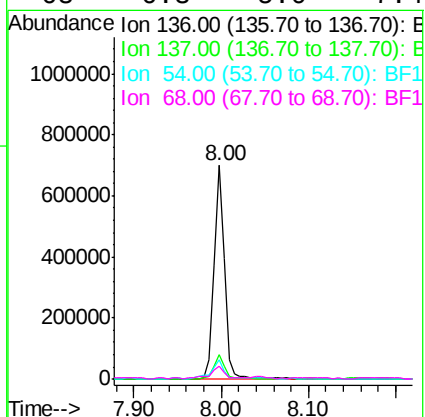
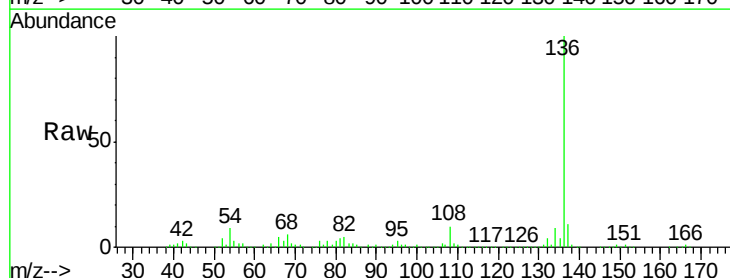
Ion Ratio Lower Upper

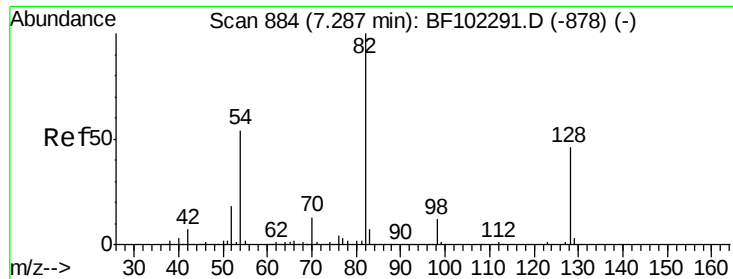
136 100

137 11.4 8.9 13.3

54 8.7 6.6 9.8

68 6.3 5.0 7.4

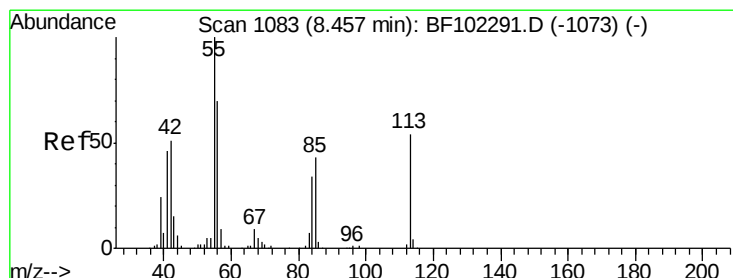
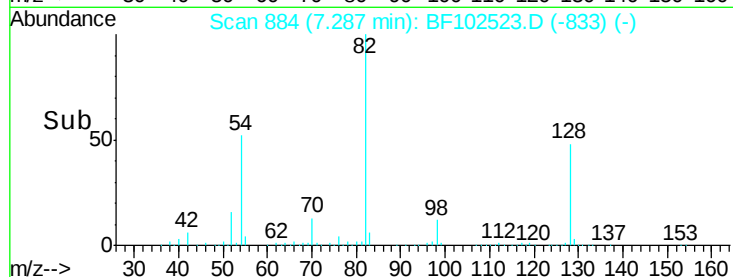
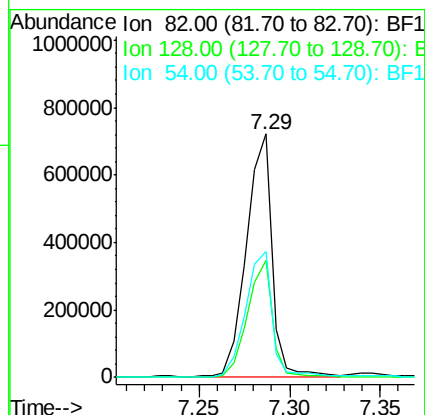
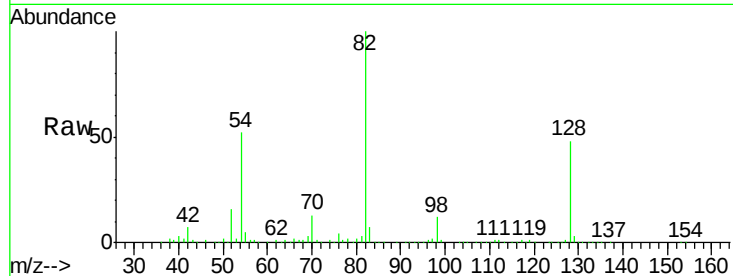




#23
Nitrobenzene-d5
Concen: 67.668 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF102523.D
Acq: 27 Jan 2018 21:09

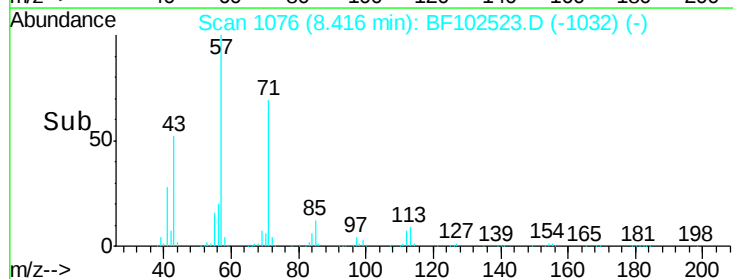
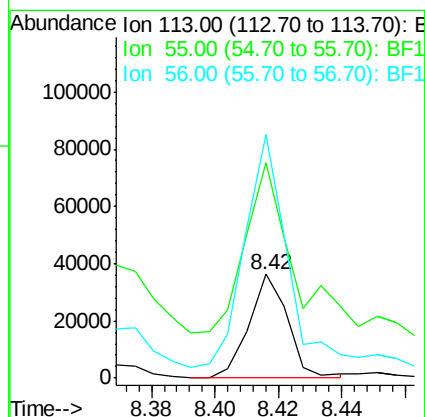
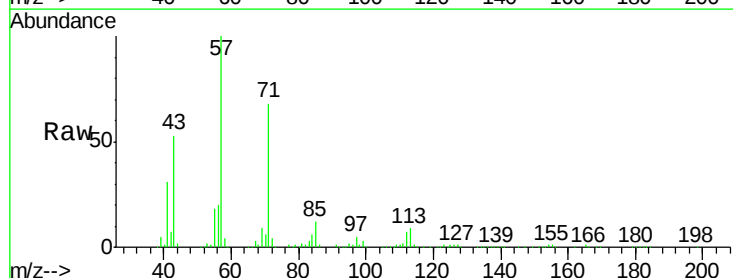
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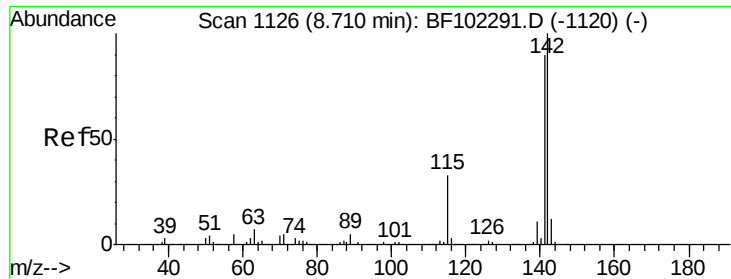
Tgt Ion: 82 Resp: 701270
Ion Ratio Lower Upper
82 100
128 48.0 36.1 54.1
54 51.6 41.4 62.2



#35
Caprolactam
Concen: 10.950 ng
RT: 8.42 min Scan# 1076
Delta R.T. -0.04 min
Lab File: BF102523.D
Acq: 27 Jan 2018 21:09

Tgt Ion: 113 Resp: 29858
Ion Ratio Lower Upper
113 100
55 207.6 163.3 203.3#
56 234.9 115.7 155.7#

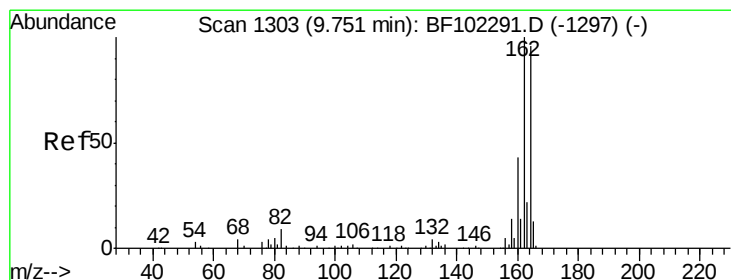
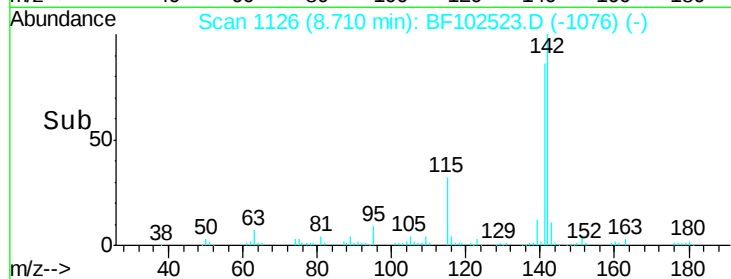
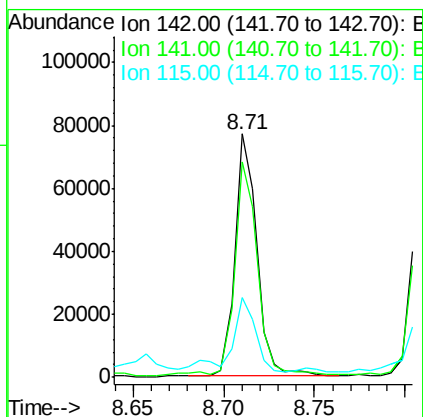
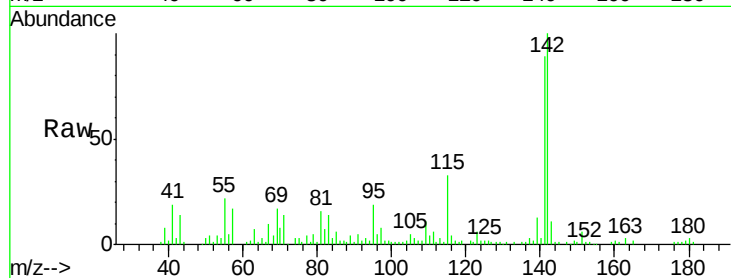




#37
 2-Methylnaphthalene
 Concen: 3.282 ng
 RT: 8.71 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: BF102523.D
 Acq: 27 Jan 2018 21:09

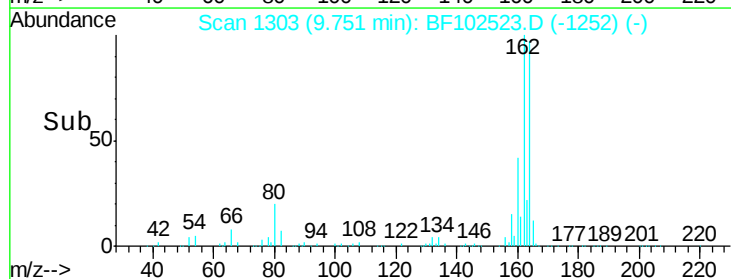
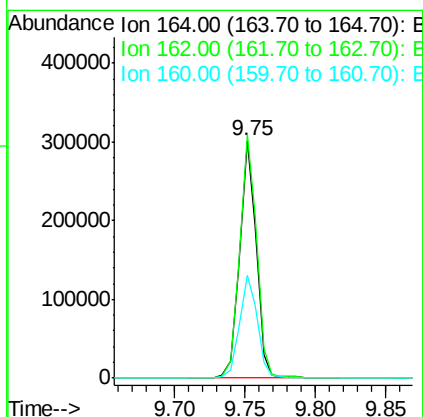
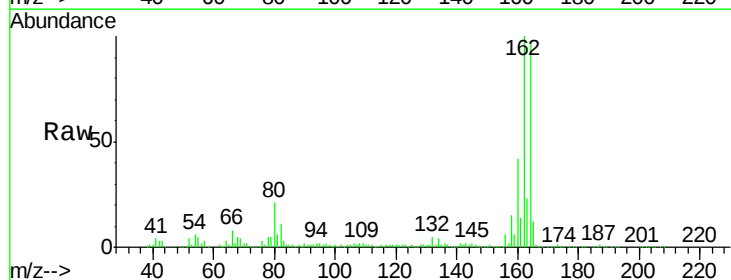
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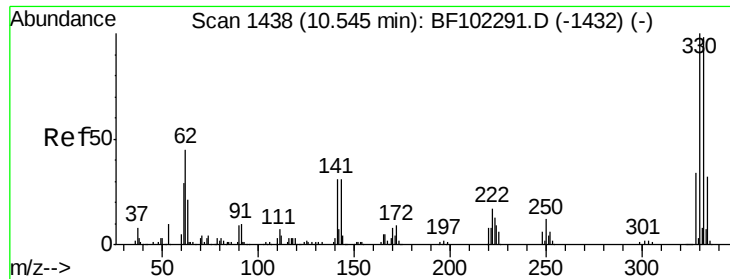
Tgt Ion:142 Resp: 64996
 Ion Ratio Lower Upper
 142 100
 141 88.5 70.8 106.2
 115 32.6 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF102523.D
 Acq: 27 Jan 2018 21:09

Tgt Ion:164 Resp: 246318
 Ion Ratio Lower Upper
 164 100
 162 102.6 86.1 129.1
 160 43.4 38.3 57.5

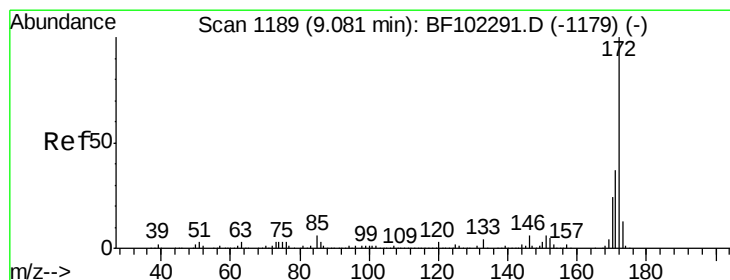
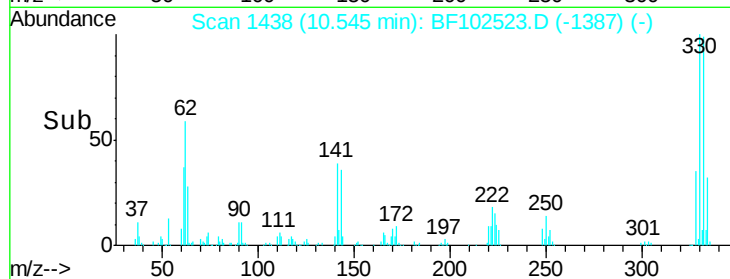
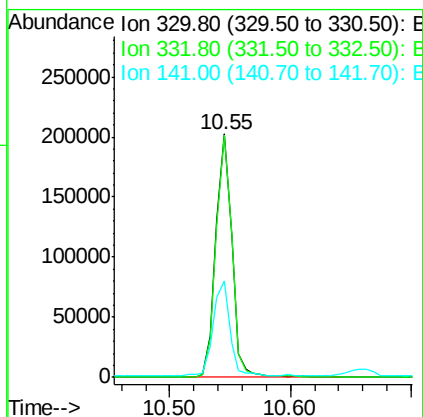
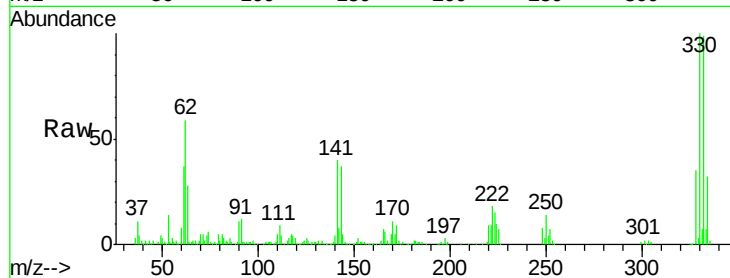




#41
 2,4,6-Tribromophenol
 Concen: 76.218 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102523.D
 Acq: 27 Jan 2018 21:09

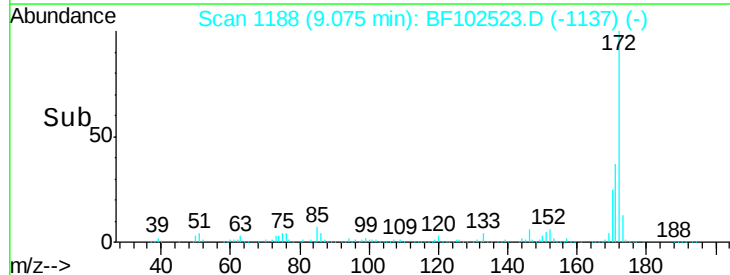
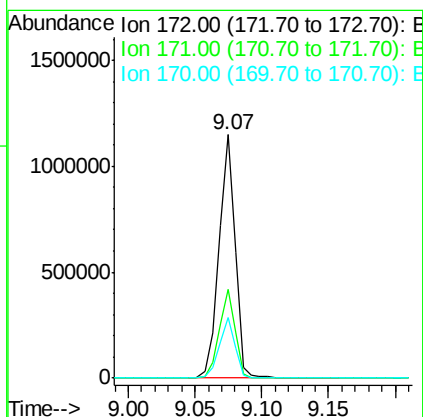
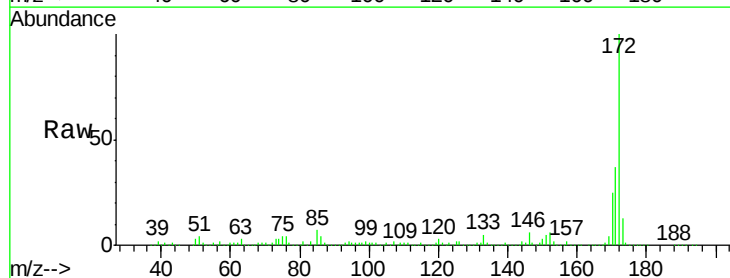
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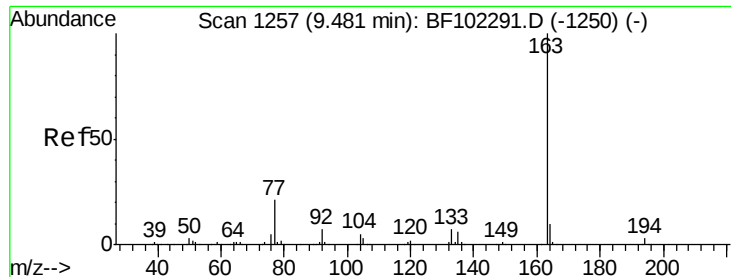
Tgt Ion:330 Resp: 186022
 Ion Ratio Lower Upper
 330 100
 332 98.9 77.0 115.6
 141 40.1 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 59.171 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF102523.D
 Acq: 27 Jan 2018 21:09

Tgt Ion:172 Resp: 991251
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.6 19.6 29.4

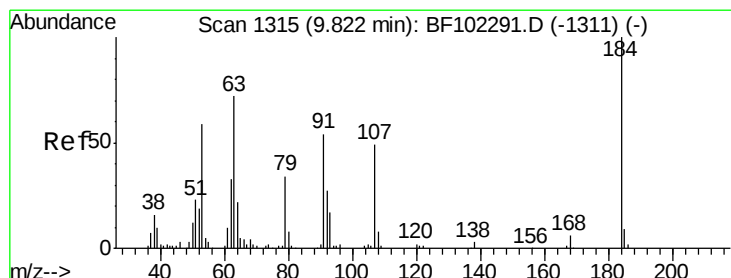
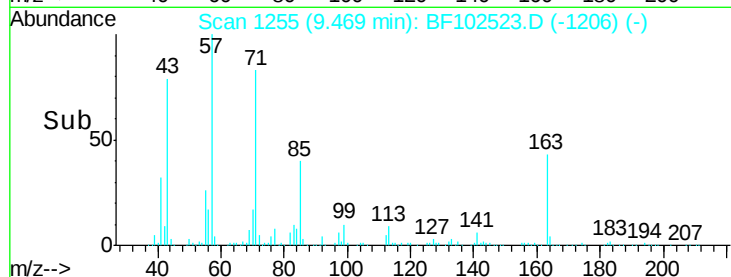
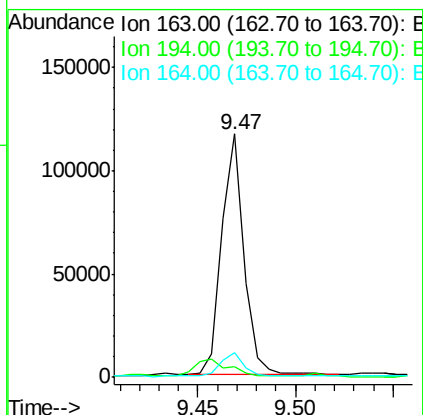
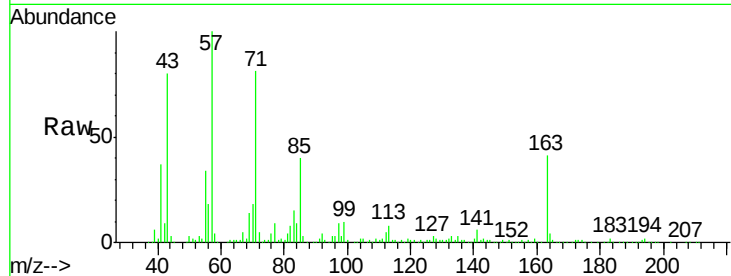




#49
Dimethylphthalate
Concen: 4.548 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102523.D
Acq: 27 Jan 2018 21:09

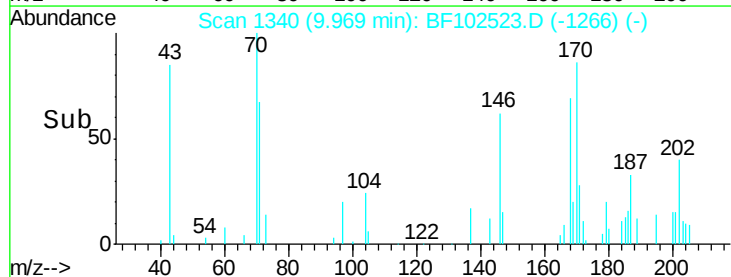
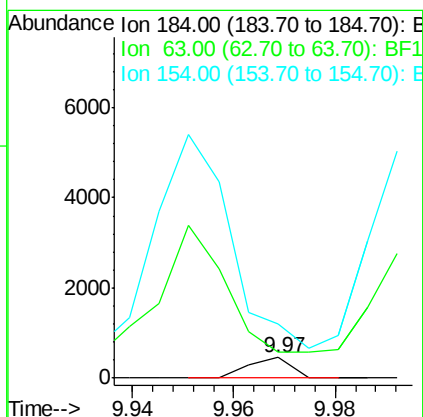
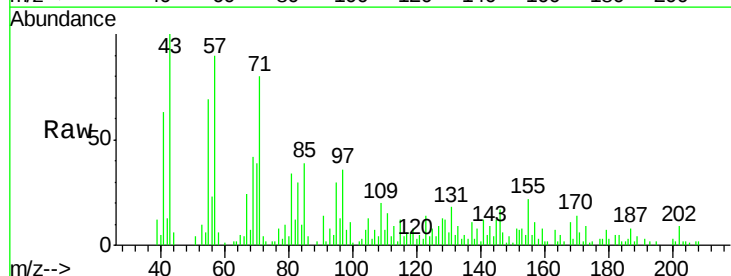
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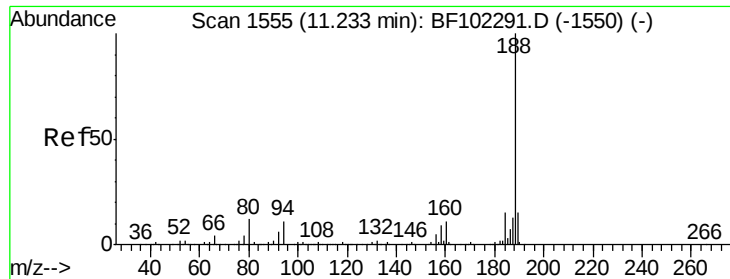
Tgt Ion:163 Resp: 92605
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.1 8.2 12.2



#53
2,4-Dinitrophenol
Concen: 3.826 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.14 min
Lab File: BF102523.D
Acq: 27 Jan 2018 21:09

Tgt Ion:184 Resp: 269
Ion Ratio Lower Upper
184 100
63 128.6 54.2 81.2#
154 262.2 184.0 276.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

Instrument :

BNA_F

ClientSampleId :

AU-06-012518-C

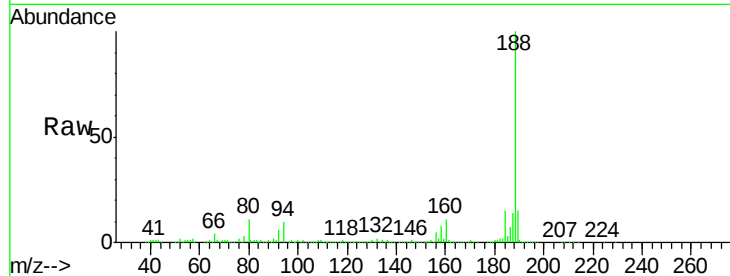
Tgt Ion:188 Resp: 347375

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

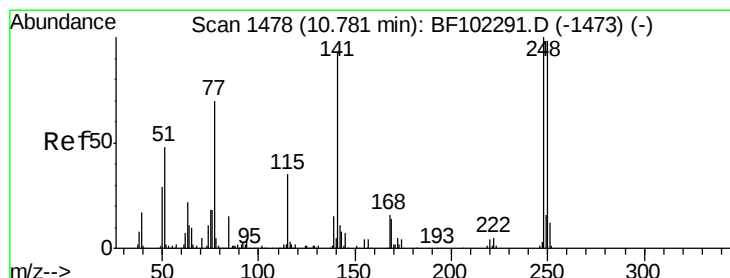
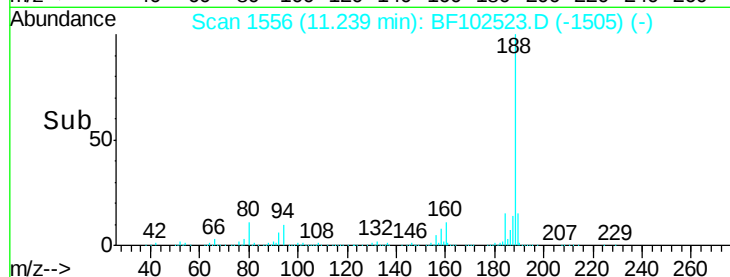
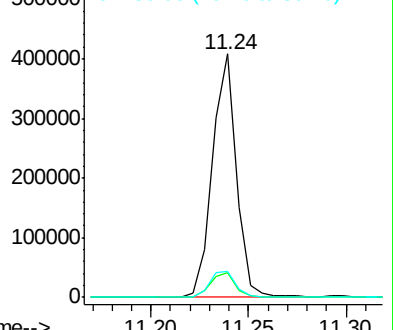
80 10.6 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 3.540 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.24 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

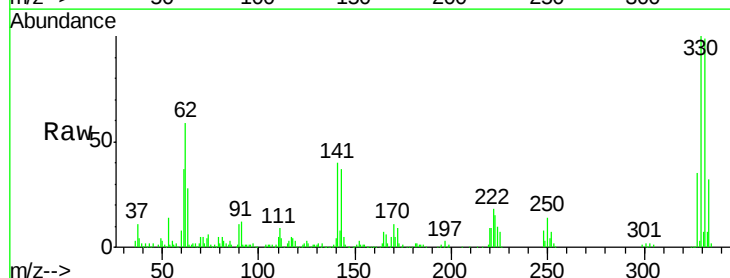
Tgt Ion:248 Resp: 13239

Ion Ratio Lower Upper

248 100

250 187.6 76.9 115.3#

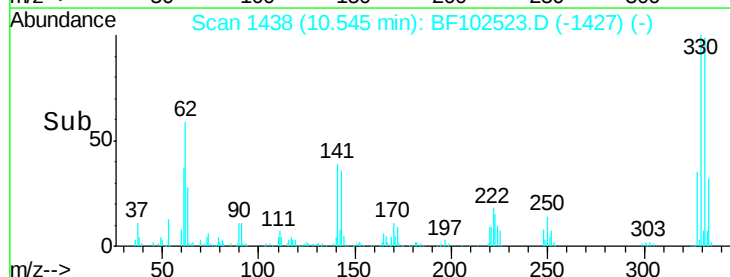
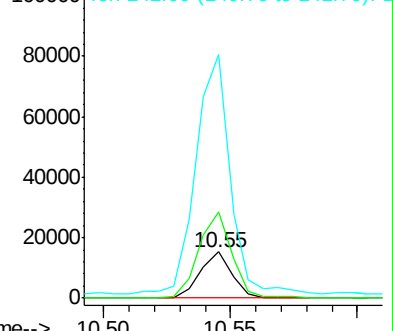
141 530.3 74.4 111.6#

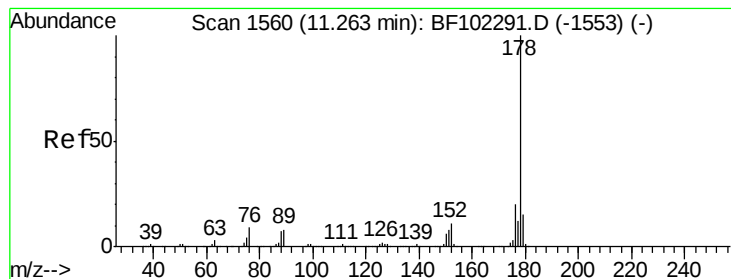


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 7.744 ng

RT: 11.26 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

Instrument :

BNA_F

ClientSampleId :

AU-06-012518-C

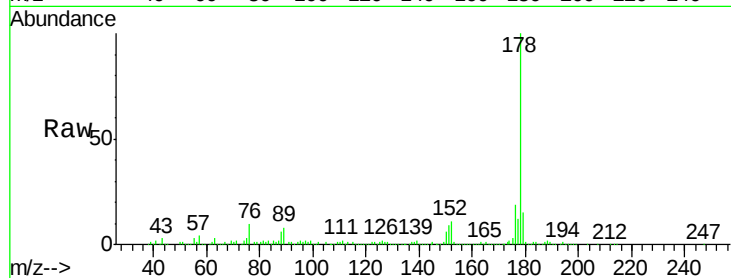
Tgt Ion:178 Resp: 156747

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

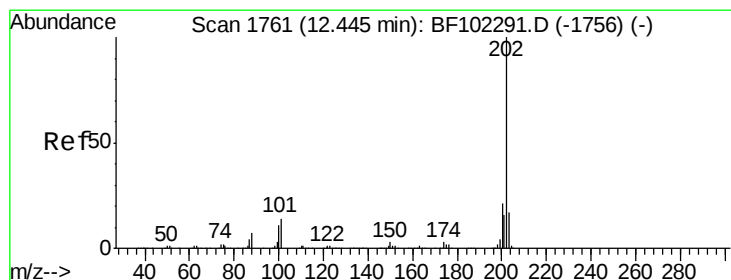
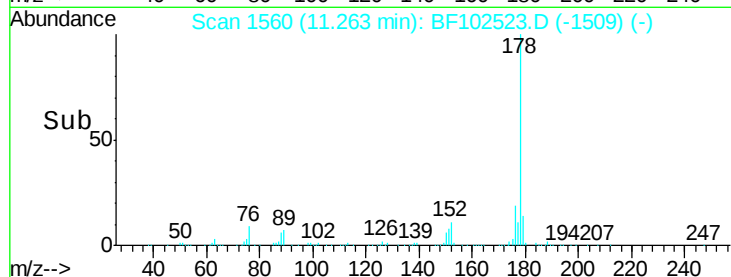
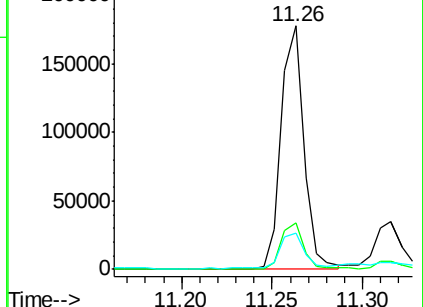
179 14.8 13.0 19.6



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



#74

Fluoranthene

Concen: 10.085 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

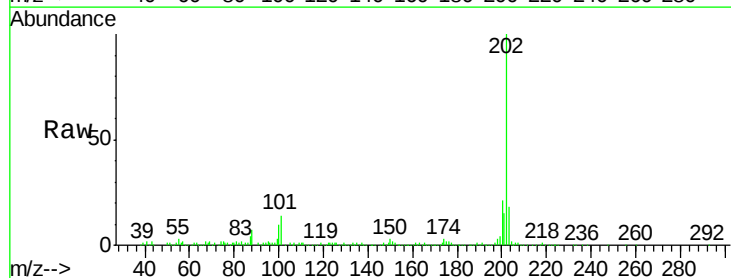
Tgt Ion:202 Resp: 208175

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

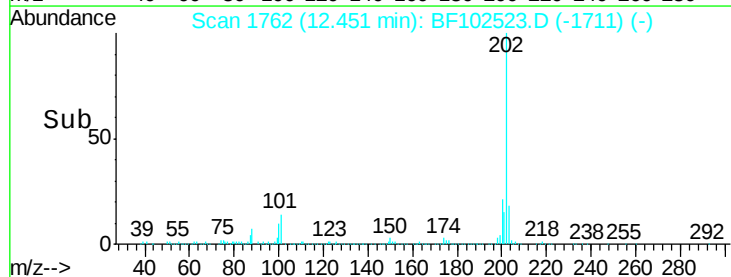
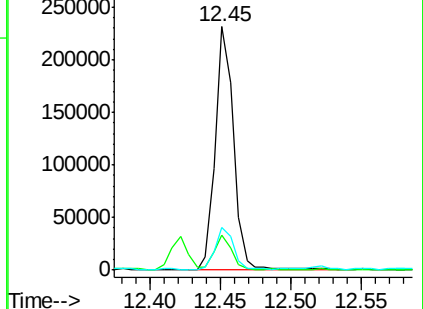
203 17.7 0.0 38.1

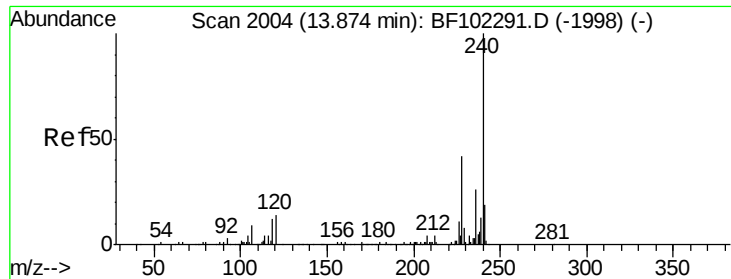


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

Instrument :

BNA_F

ClientSampleId :

AU-06-012518-C

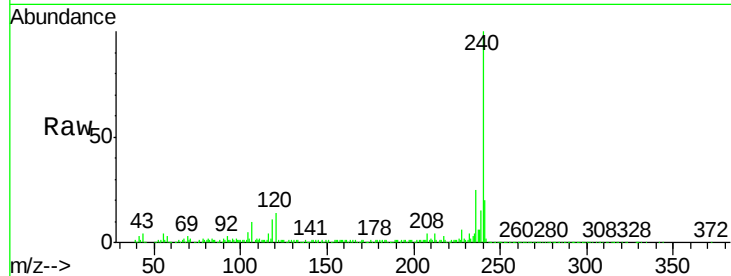
Tgt Ion:240 Resp: 265978

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

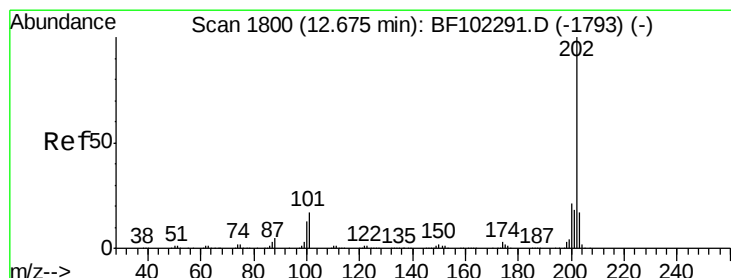
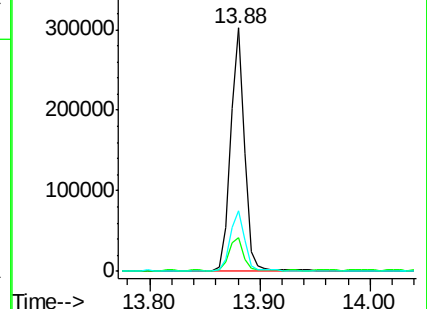
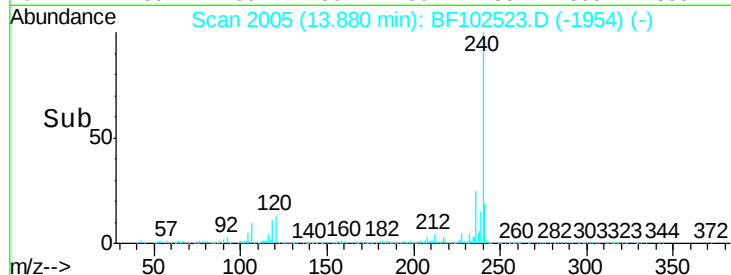
236 25.0 20.7 31.1



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: 8.178 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

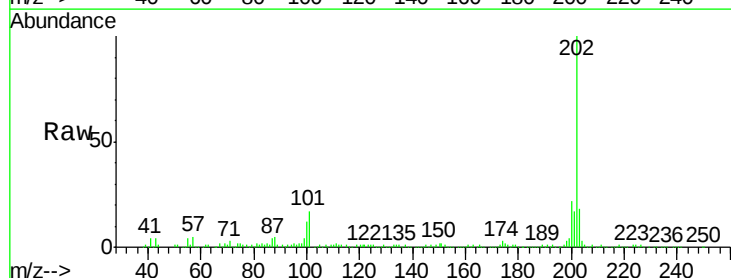
Tgt Ion:202 Resp: 168168

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

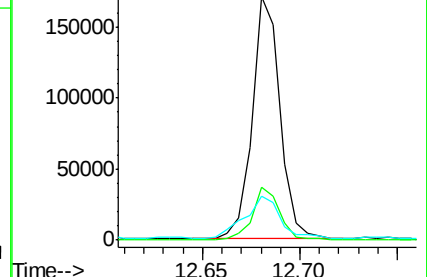
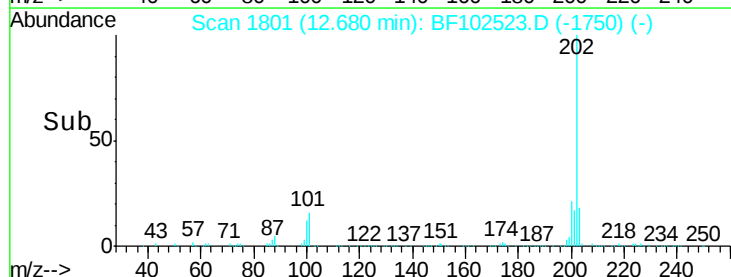
203 18.2 14.3 21.5

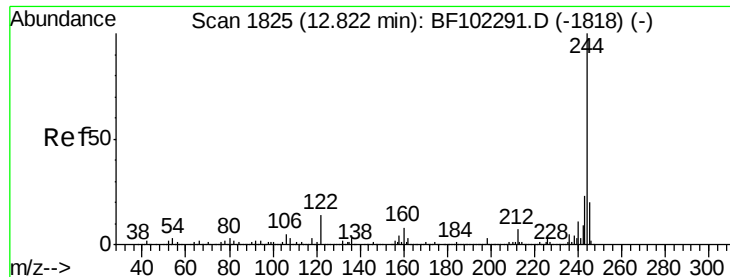


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 59.115 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

Instrument :

BNA_F

ClientSampleId :

AU-06-012518-C

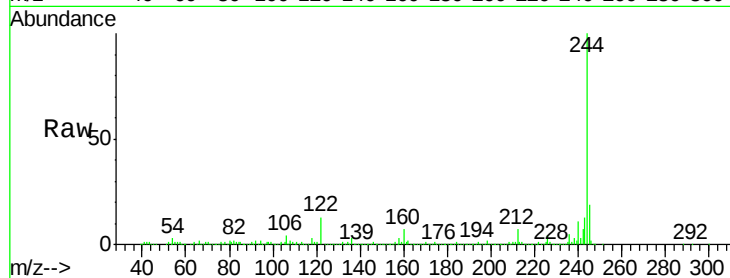
Tgt Ion:244 Resp: 697456

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

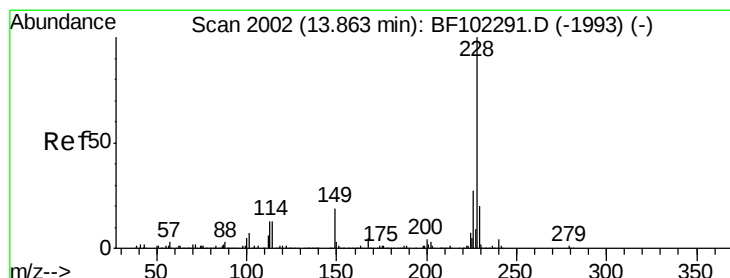
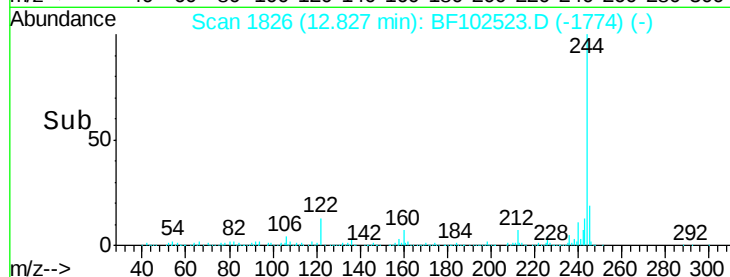
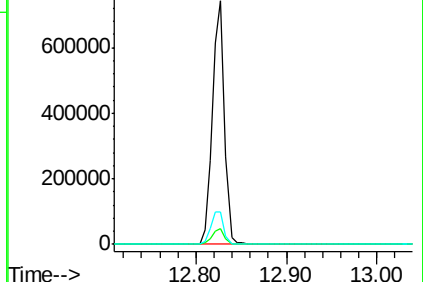
122 13.2 11.0 16.4



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: 4.804 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

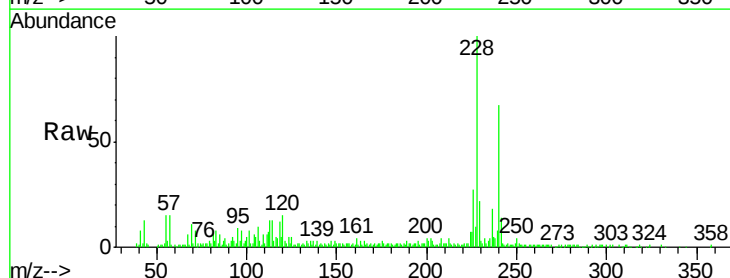
Tgt Ion:228 Resp: 78661

Ion Ratio Lower Upper

228 100

226 27.3 22.6 33.8

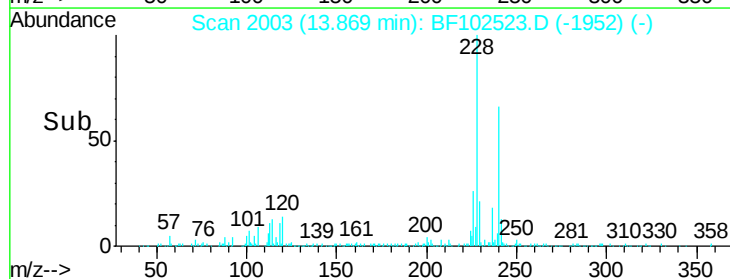
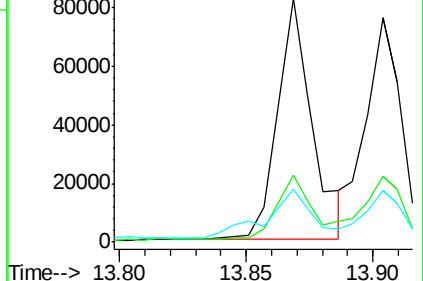
229 21.6 15.8 23.6

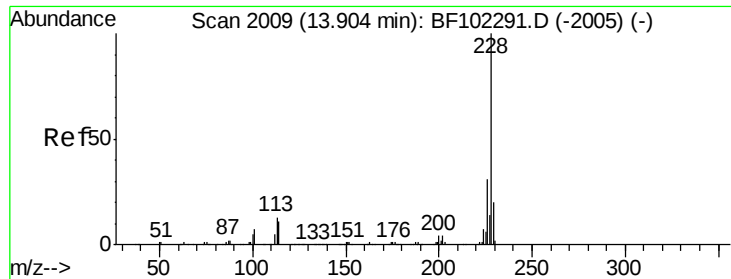


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.546 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

Instrument :

BNA_F

ClientSampleId :

AU-06-012518-C

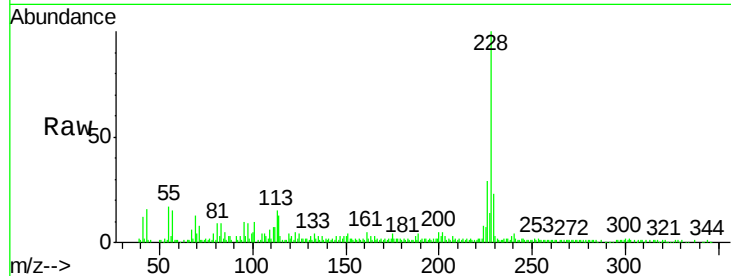
Tgt Ion:228 Resp: 75589

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.6

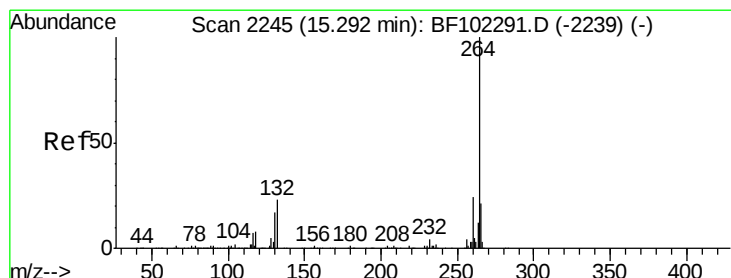
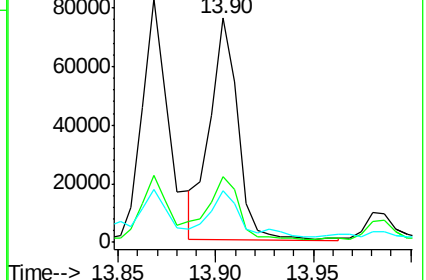
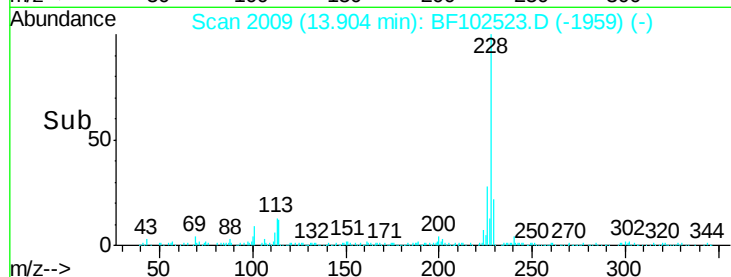
229 23.1 16.2 24.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.01 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

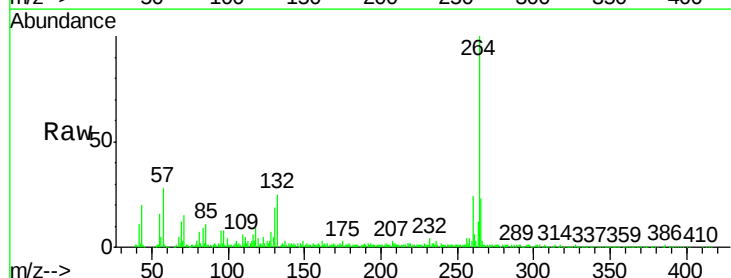
Tgt Ion:264 Resp: 200926

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

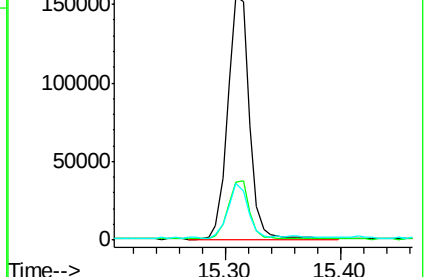
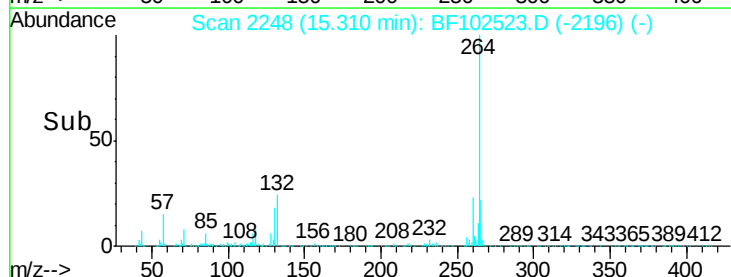
265 23.1 17.5 26.3

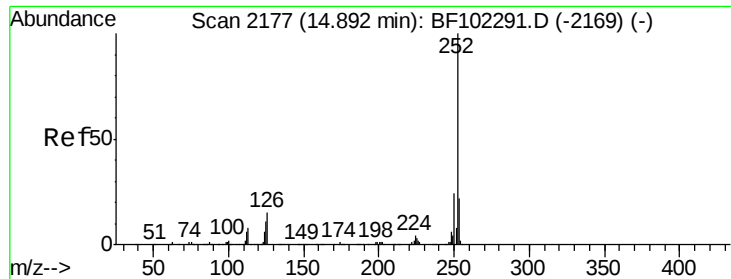


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

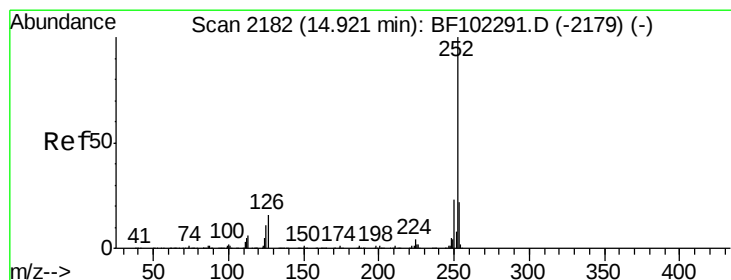
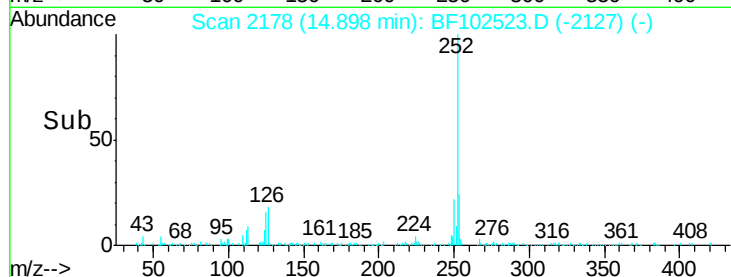
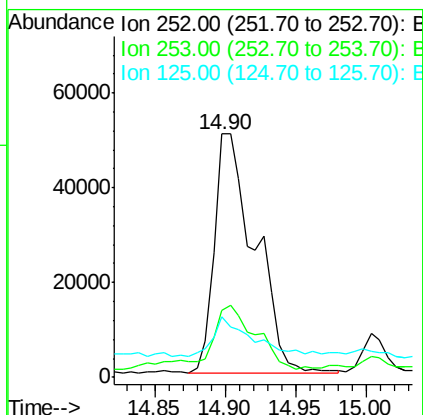
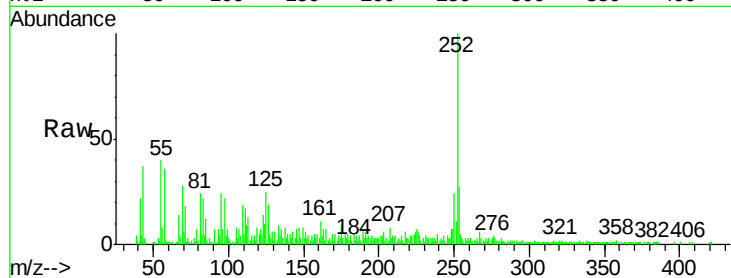




#87
Benzo(b)fluoranthene
Concen: 7.825 ng
RT: 14.90 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BF102523.D
Acq: 27 Jan 2018 21:09

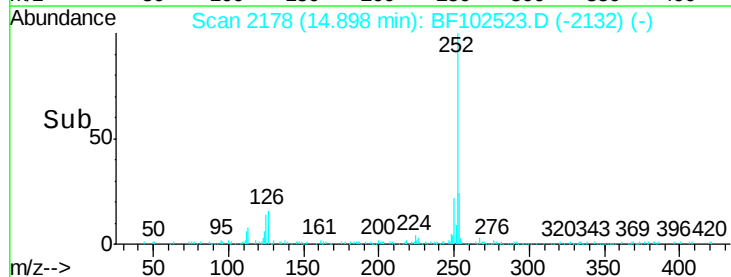
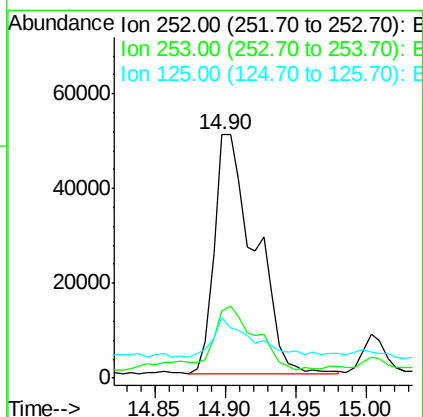
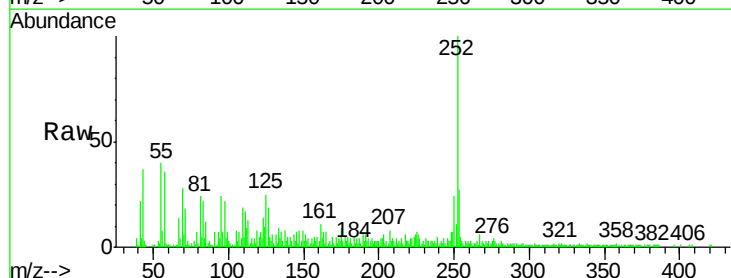
Instrument :
BNA_F
ClientSampleId :
AU-06-012518-C

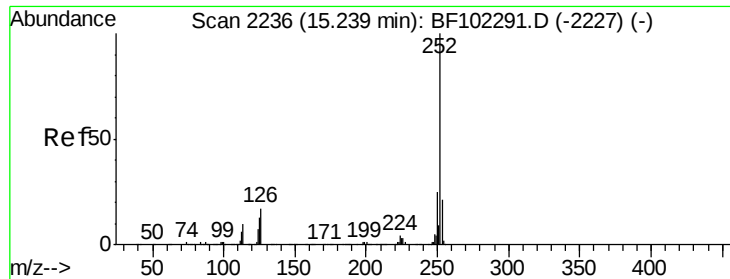
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.0	25.6#
125	24.8	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 8.282 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.03 min
Lab File: BF102523.D
Acq: 27 Jan 2018 21:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.9	26.9#
125	24.8	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 3.917 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.00 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

Instrument :

BNA_F

ClientSampleId :

AU-06-012518-C

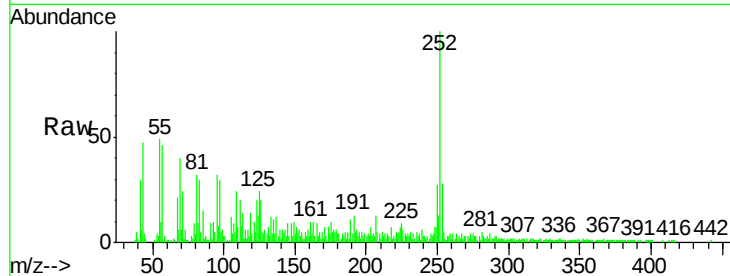
Tgt Ion:252 Resp: 46001

Ion Ratio Lower Upper

252 100

253 28.0 17.1 25.7#

125 23.9 9.8 14.6#

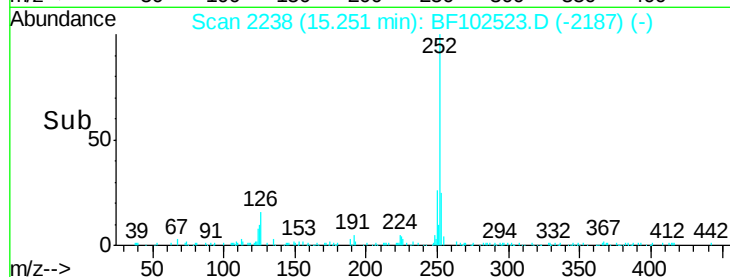


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->

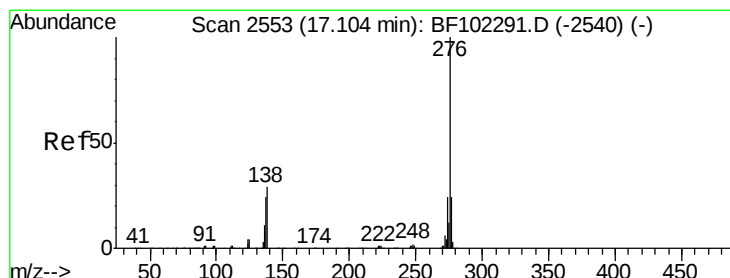


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#91

Benzo(g,h,i)perylene

Concen: 2.159 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BF102523.D

Acq: 27 Jan 2018 21:09

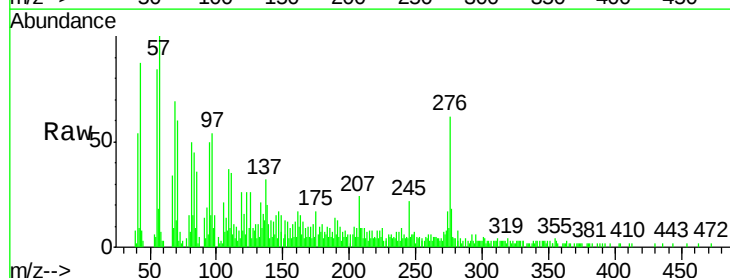
Tgt Ion:276 Resp: 20284

Ion Ratio Lower Upper

276 100

277 28.5 17.9 26.9#

138 31.6 21.8 32.8

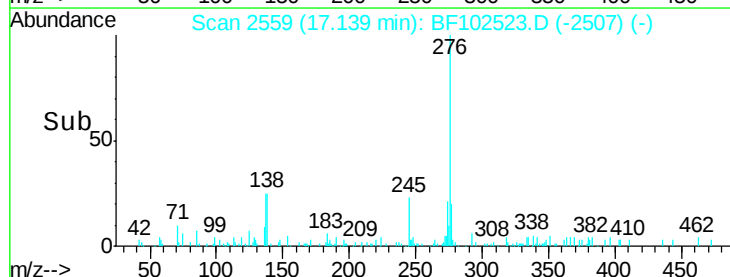


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

Time-->



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

Time-->