

Data File : BF100747.D
Acq On : 20 Nov 2017 23:01
Operator : SJ/JU
Sample : I6304-18 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-D

Quant Time: Nov 21 03:32:08 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	108337	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	400323	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	167515	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	254089	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	233710	20.00	ng	-0.01
86) Perylene-d12	15.50	264	252744	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	135915	20.11	ng	-0.02
7) Phenol-d6	6.49	99	164528	19.74	ng	-0.02
23) Nitrobenzene-d5	7.43	82	94275	15.57	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	32600	19.10	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	198018	18.00	ng	-0.02
78) Terphenyl-d14	12.97	244	126658	12.45	ng	-0.01

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	11748	2.03	ng	# 79
25) Isophorone	7.43	82	94273	7.41	ng	# 64
47) 2-Nitroaniline	9.56	65	1282	3.17	ng	# 1
50) 2,6-Dinitrotoluene	9.91	165	20642	8.15	ng	# 24
56) 2,4-Dinitrotoluene	9.91	165	20642	6.46	ng	# 21
70) Phenanthrene	11.42	178	28960	2.16	ng	94
74) Fluoranthene	12.60	202	50531	3.56	ng	96
77) Pyrene	12.83	202	70761	4.25	ng	97
80) Benzo(a)anthracene	14.02	228	41091	2.92	ng	# 80
82) Chrysene	14.06	228	41755	3.06	ng	95
85) Indeno(1,2,3-cd)pyrene	16.97	276	29964	2.72	ng	# 92
87) Benzo(b)fluoranthene	15.07	252	98692	6.59	ng	100
88) Benzo(k)fluoranthene	15.07	252	98692	6.98	ng	98
89) Benzo(a)pyrene	15.44	252	56557	4.26	ng	98
91) Benzo(g,h,i)perylene	17.42	276	26559	2.50	ng	95

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

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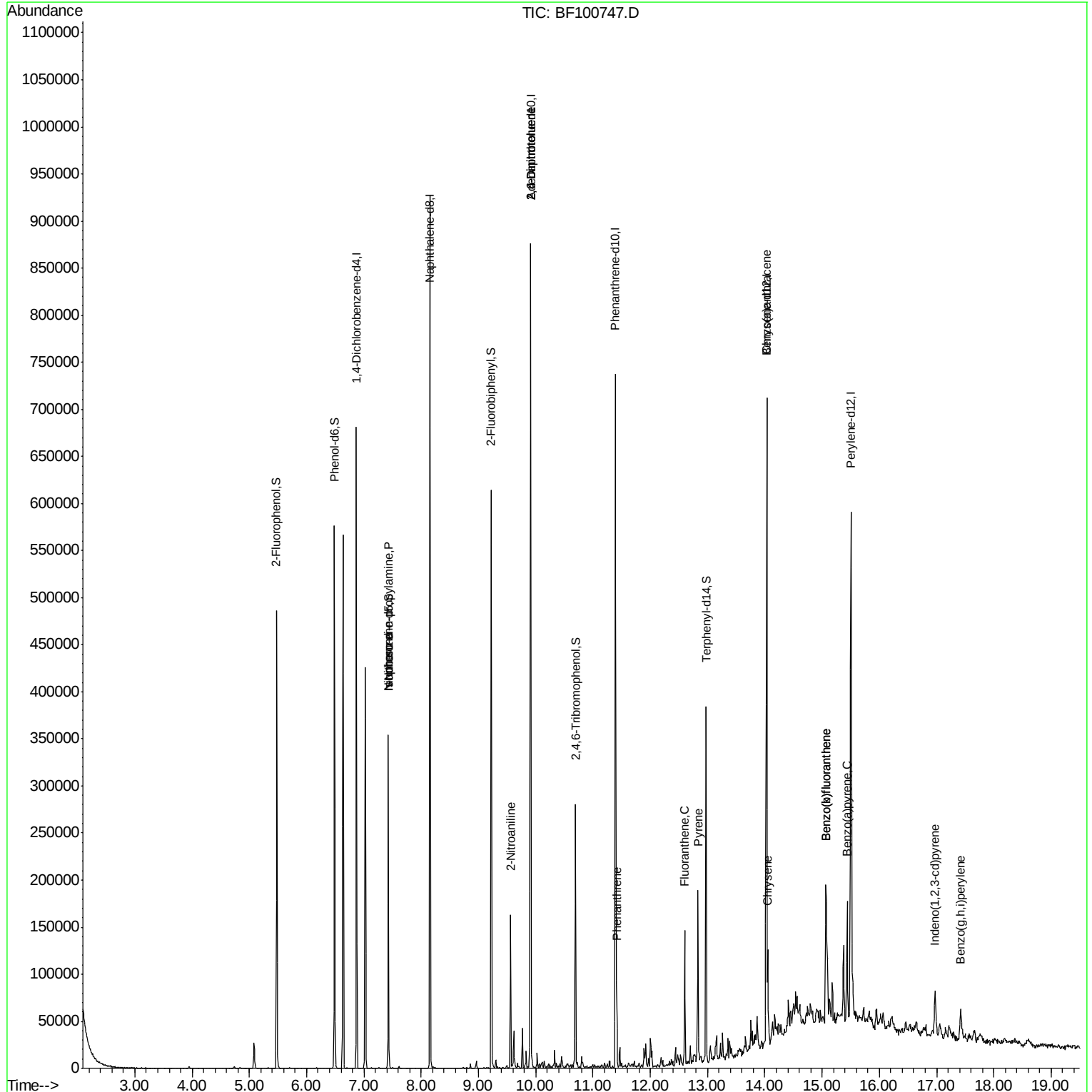
Quant Time: Nov 21 03:32:08 2017

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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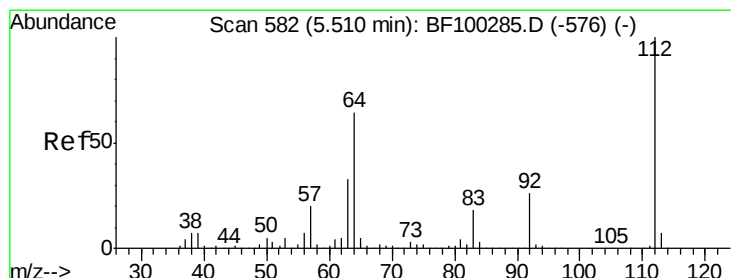
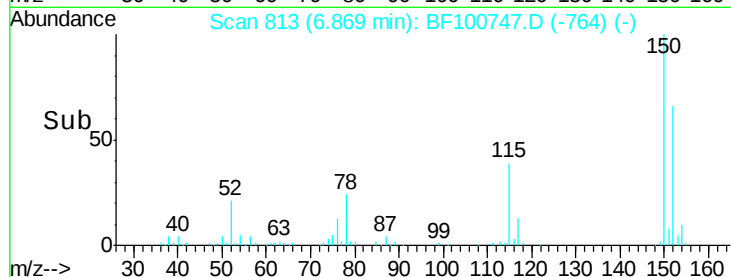
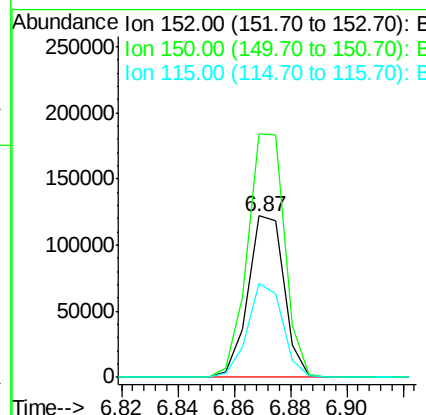
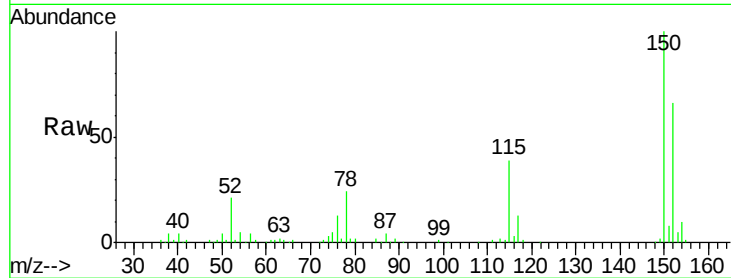




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF100747.D
 Acq: 20 Nov 2017 23:01

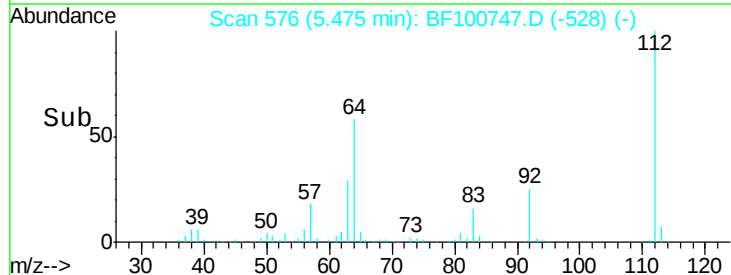
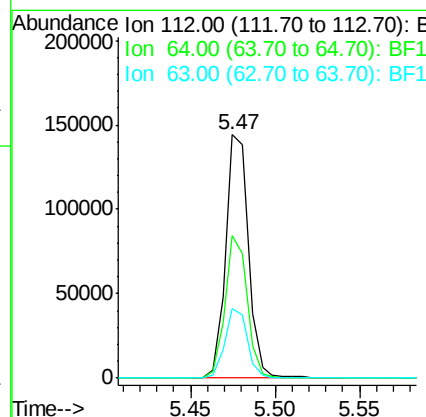
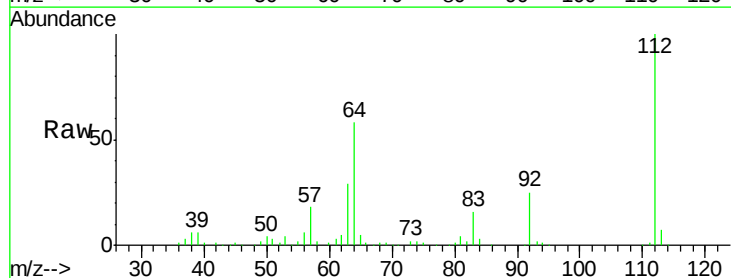
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-D

Tgt Ion:152 Resp: 108337
 Ion Ratio Lower Upper
 152 100
 150 150.7 124.6 186.8
 115 58.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 20.11 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: BF100747.D
 Acq: 20 Nov 2017 23:01

Tgt Ion:112 Resp: 135915
 Ion Ratio Lower Upper
 112 100
 64 58.3 47.9 71.9
 63 28.5 23.7 35.5





#7

Phenol-d6

Concen: 19.74 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-D

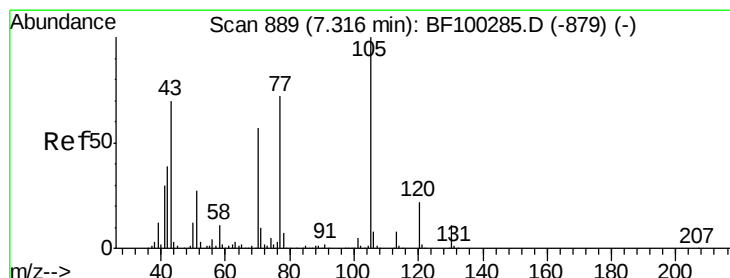
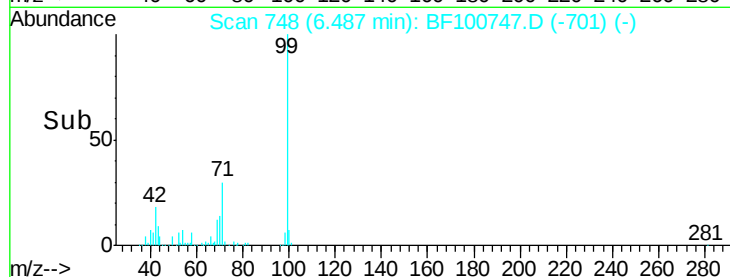
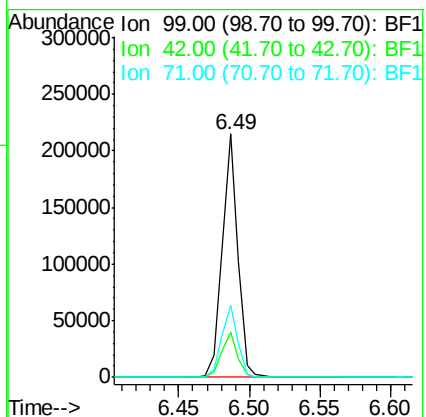
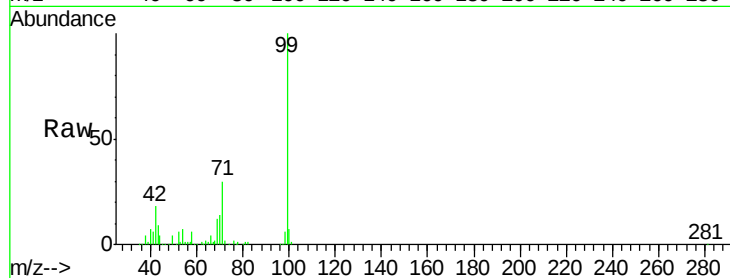
Tgt Ion: 99 Resp: 164528

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

71 29.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.03 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.13 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

Tgt Ion: 70 Resp: 11748

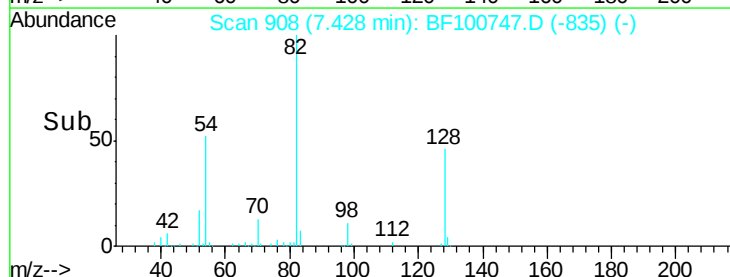
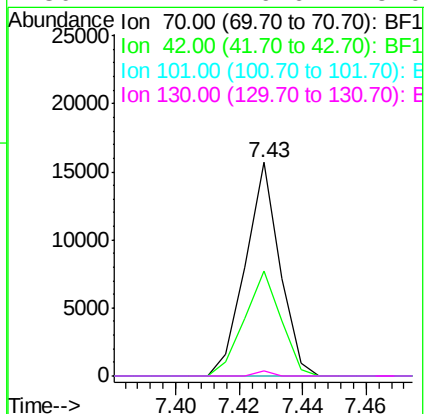
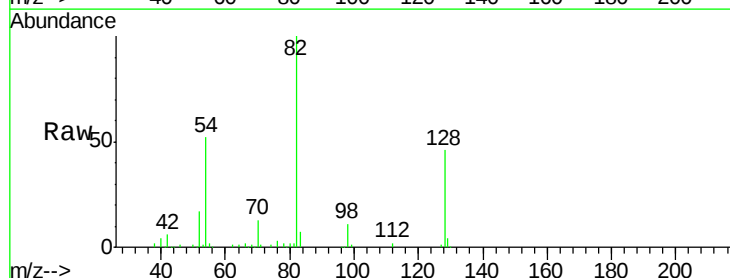
Ion Ratio Lower Upper

70 100

42 49.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

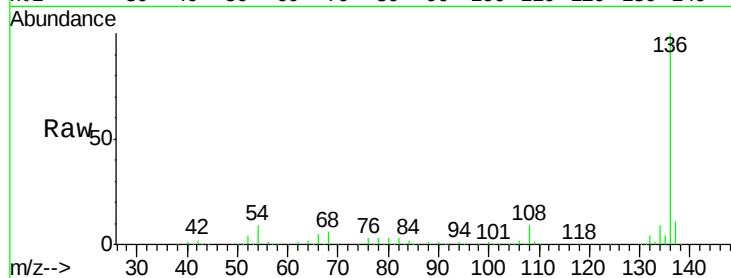




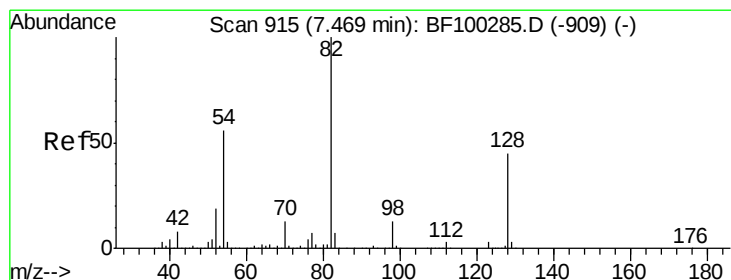
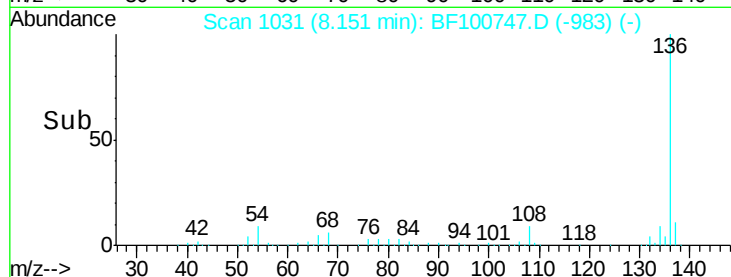
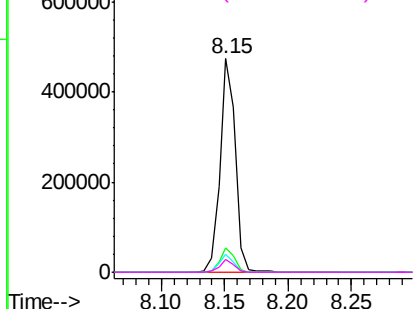
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100747.D
Acq: 20 Nov 2017 23:01

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-D

Tgt Ion:	136	Resp:	400323
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.5	6.6	9.8
68	5.8	5.0	7.4

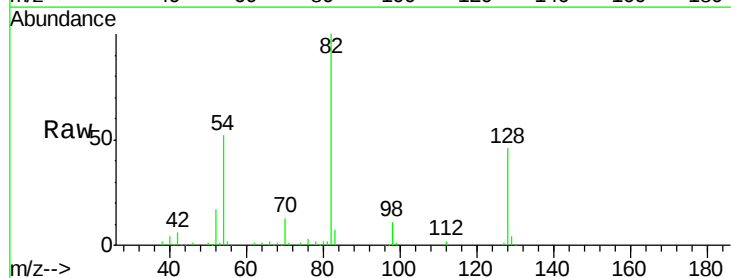


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

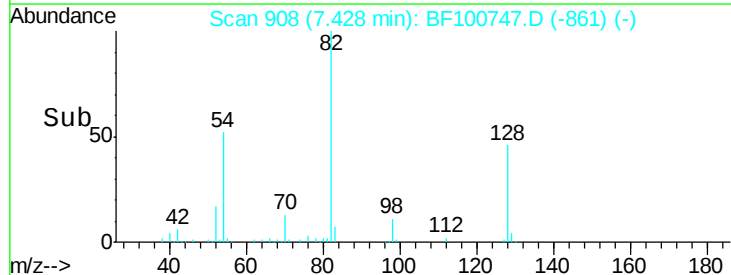
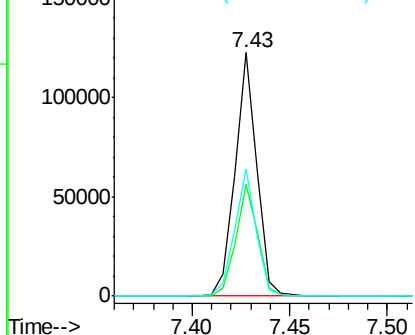


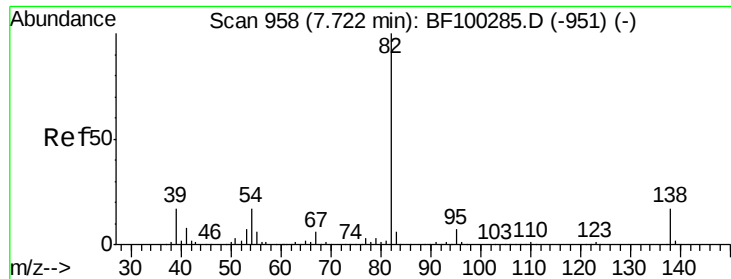
#23
Nitrobenzene-d5
Concen: 15.57 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.02 min
Lab File: BF100747.D
Acq: 20 Nov 2017 23:01

Tgt Ion:	82	Resp:	94275
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	52.1	41.4	62.2



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





#25

Isophorone

Concen: 7.41 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.28 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-D

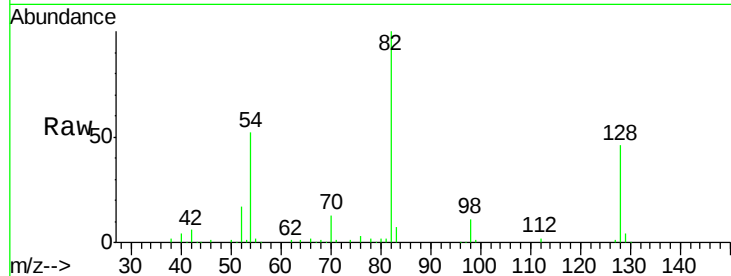
Tgt Ion: 82 Resp: 94273

Ion Ratio Lower Upper

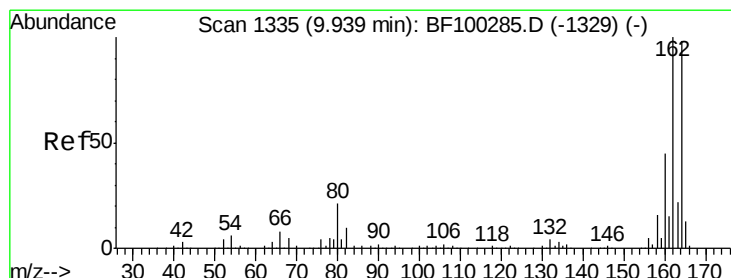
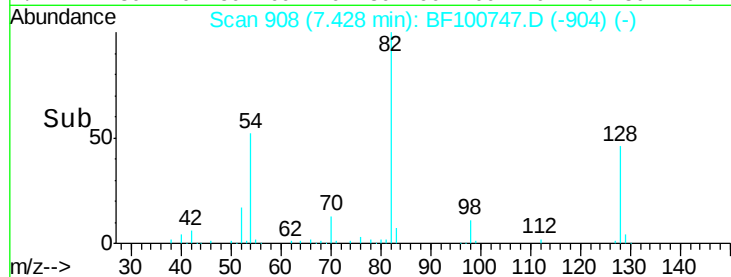
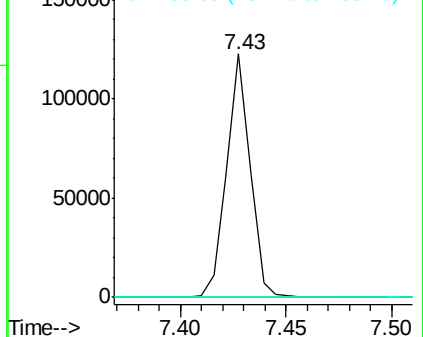
82 100

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: 20.00 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

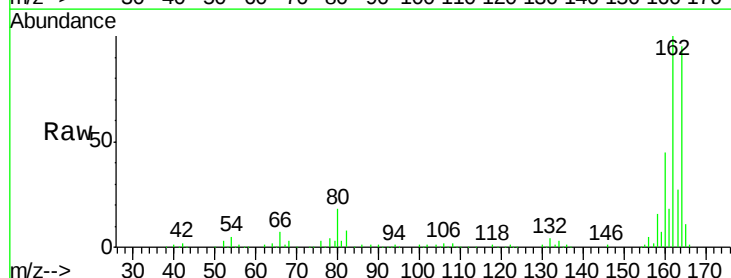
Tgt Ion: 164 Resp: 167515

Ion Ratio Lower Upper

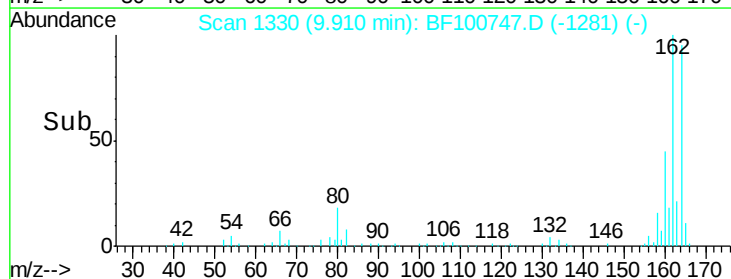
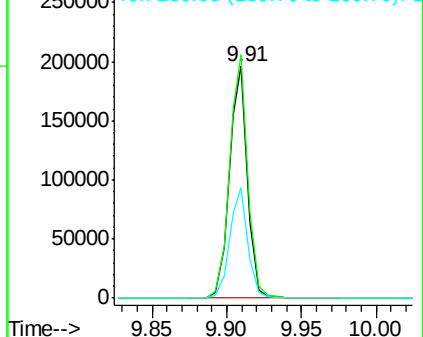
164 100

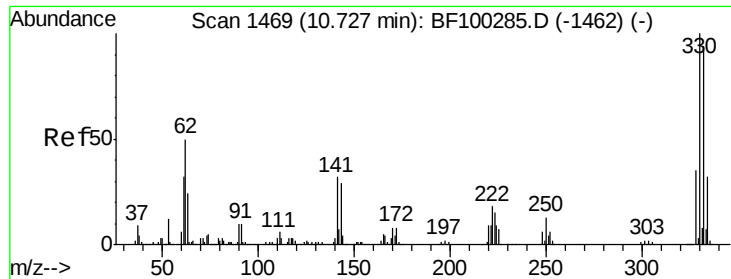
162 104.9 86.1 129.1

160 47.7 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

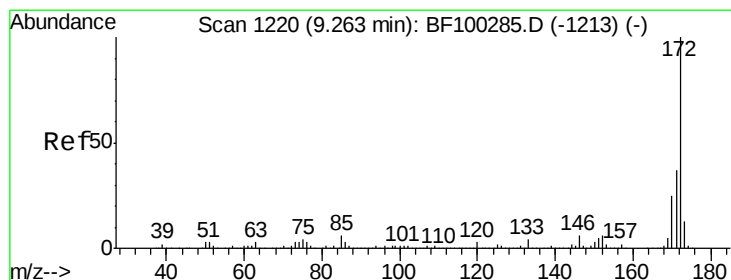
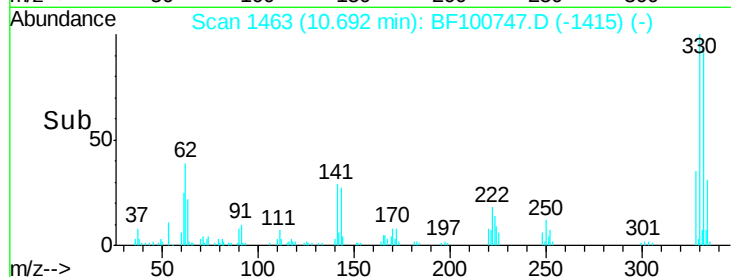
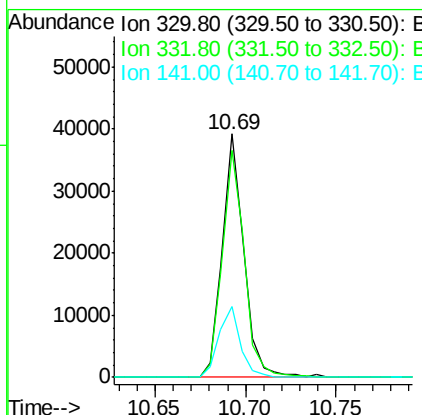
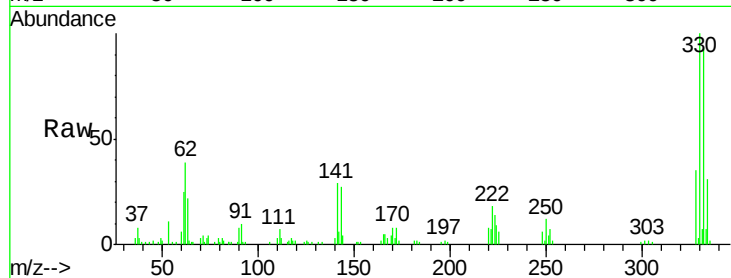




#41
 2,4,6-Tribromophenol
 Concen: 19.10 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.02 min
 Lab File: BF100747.D
 Acq: 20 Nov 2017 23:01

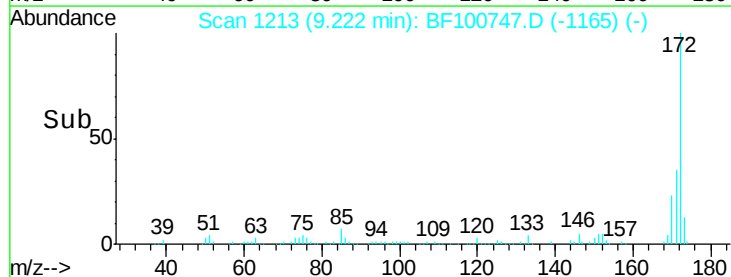
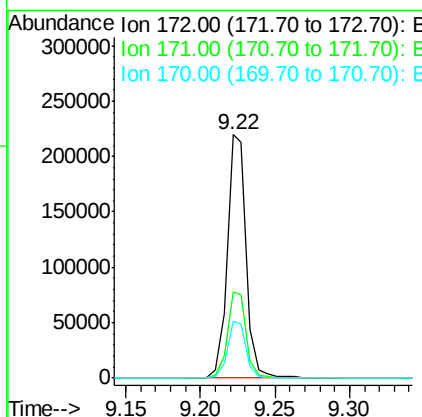
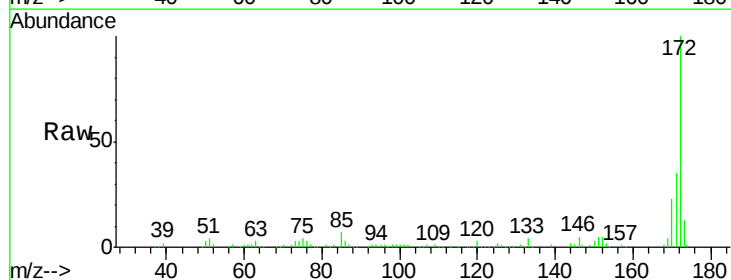
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-D

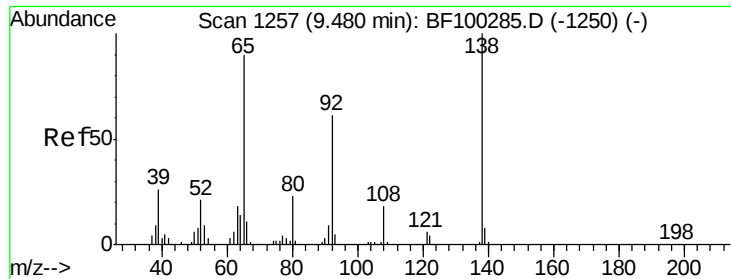
Tgt Ion:330 Resp: 32600
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 28.7 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 18.00 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF100747.D
 Acq: 20 Nov 2017 23:01

Tgt Ion:172 Resp: 198018
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.5 19.6 29.4





#47

2-Nitroaniline

Concen: 3.17 ng

RT: 9.56 min Scan# 1271

Delta R.T. 0.10 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-D

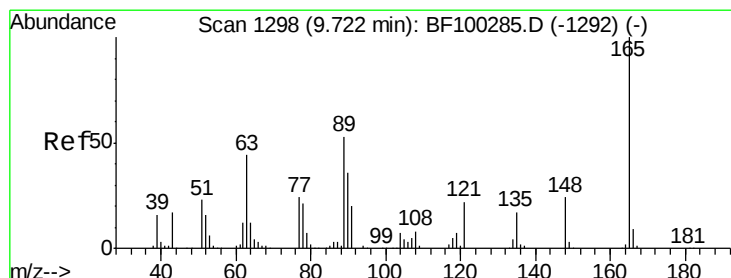
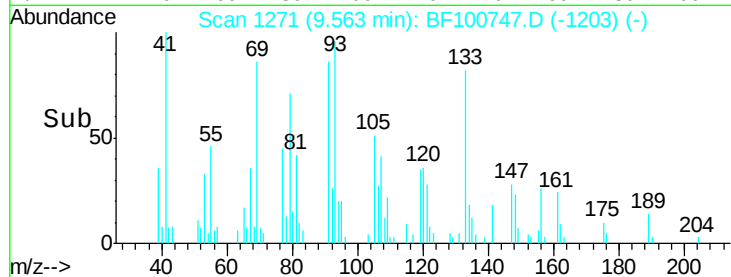
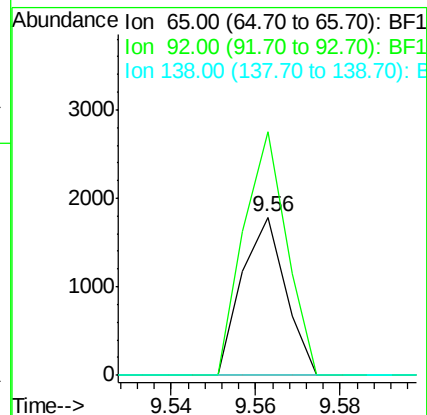
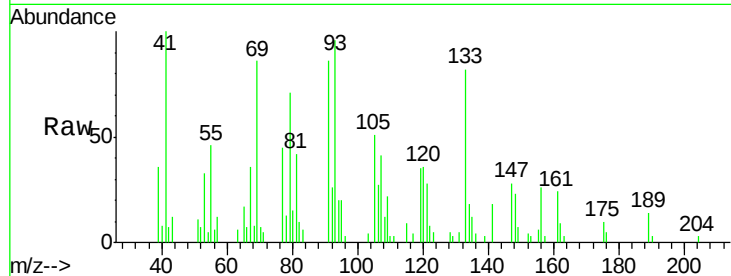
Tgt Ion: 65 Resp: 1282

Ion Ratio Lower Upper

65 100

92 153.7 55.8 83.6#

138 0.0 91.2 136.8#



#50

2,6-Dinitrotoluene

Concen: 8.15 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

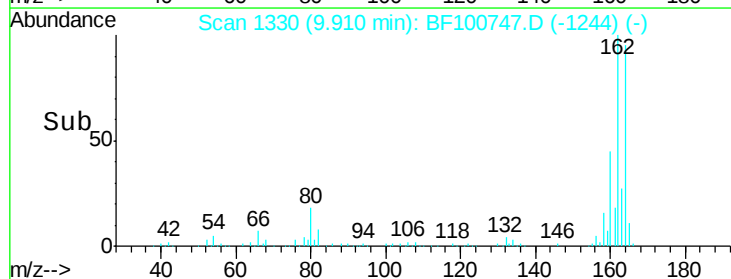
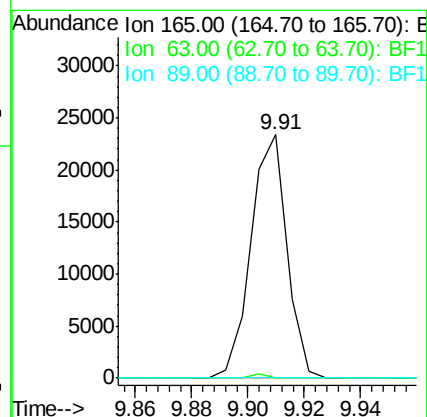
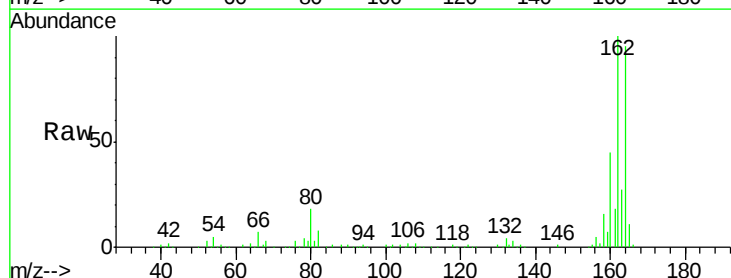
Tgt Ion: 165 Resp: 20642

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

89 0.0 44.0 66.0#

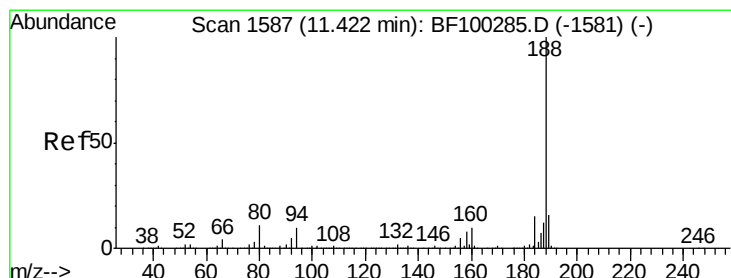
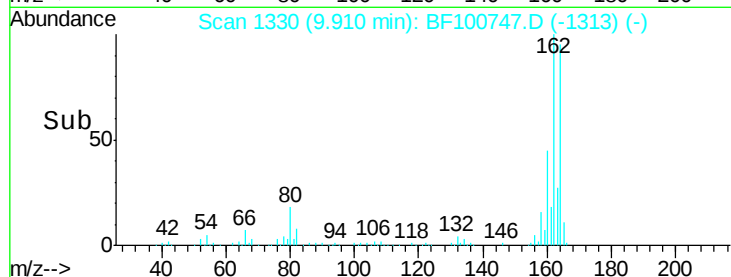
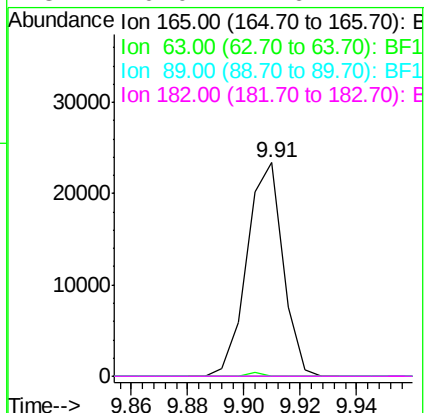
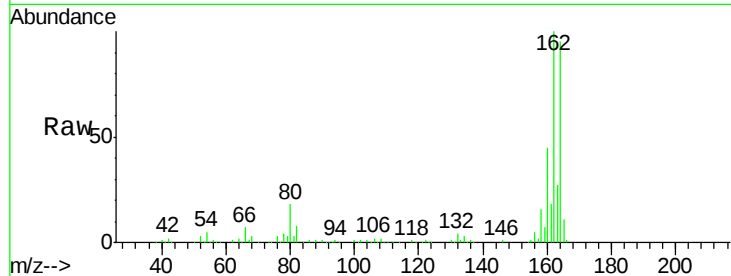




#56
 2,4-Dinitrotoluene
 Concen: 6.46 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF100747.D
 Acq: 20 Nov 2017 23:01

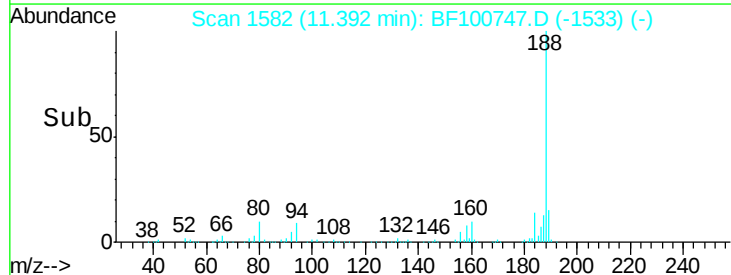
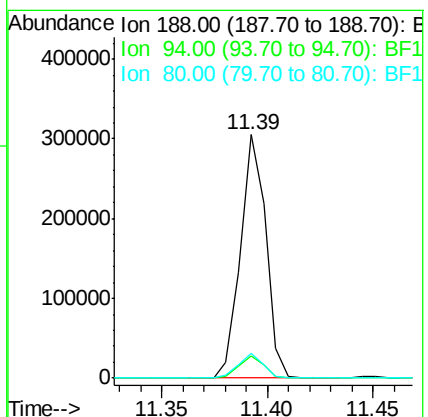
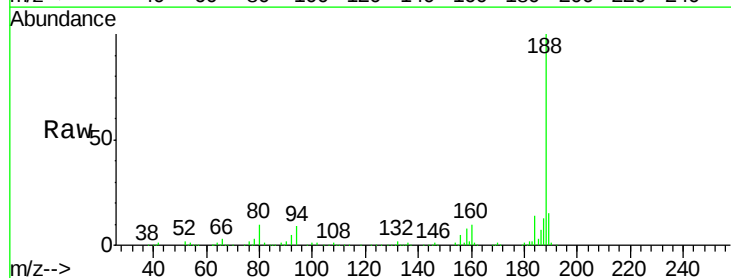
Instrument :
 BNA_F
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 CL-01-111617-D

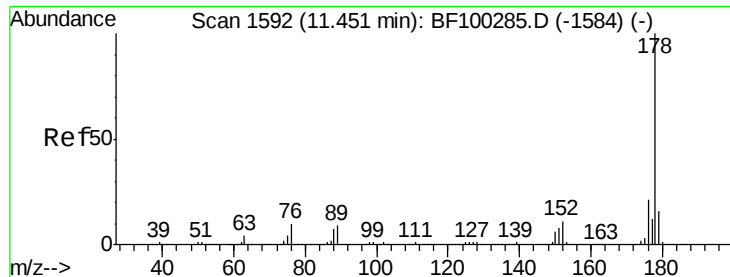
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF100747.D
 Acq: 20 Nov 2017 23:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.1	9.2	13.8





#70

Phenanthrene

Concen: 2.16 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.02 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-D

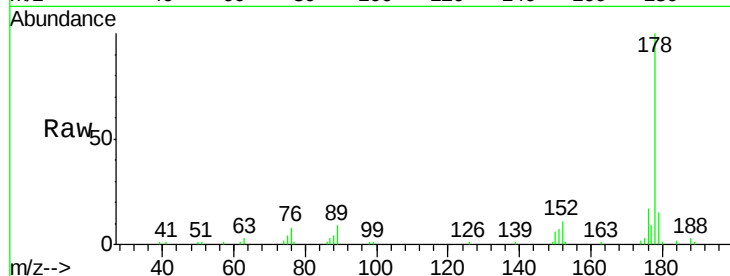
Tgt Ion:178 Resp: 28960

Ion Ratio Lower Upper

178 100

176 16.5 15.8 23.8

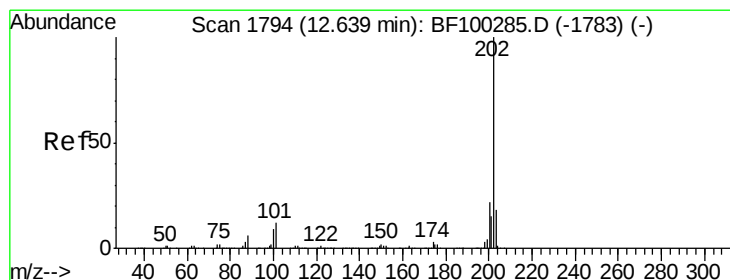
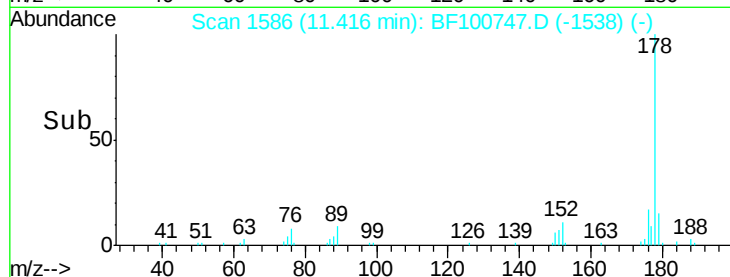
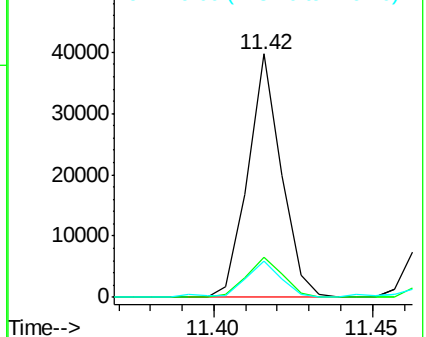
179 14.8 13.0 19.6



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: 3.56 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

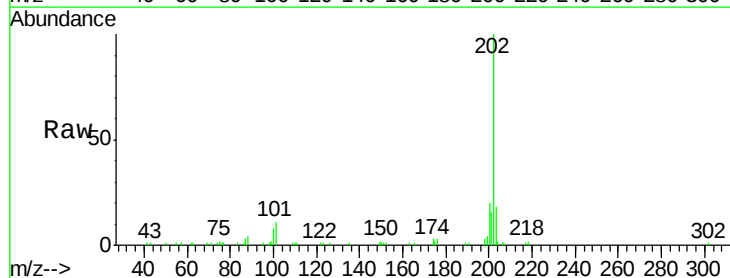
Tgt Ion:202 Resp: 50531

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.1

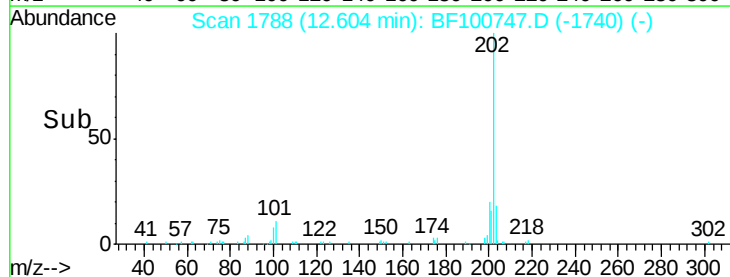
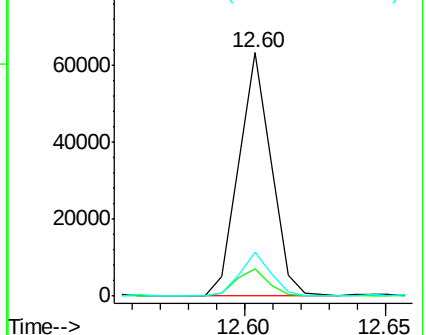
203 18.0 0.0 38.1

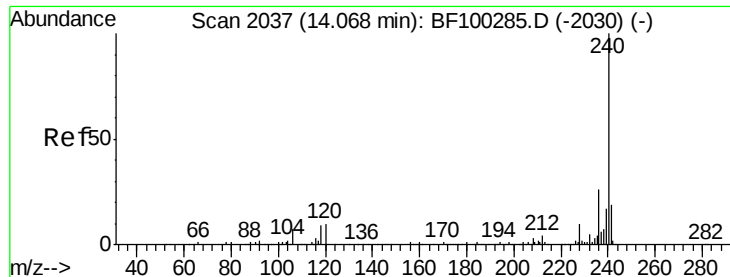


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-D

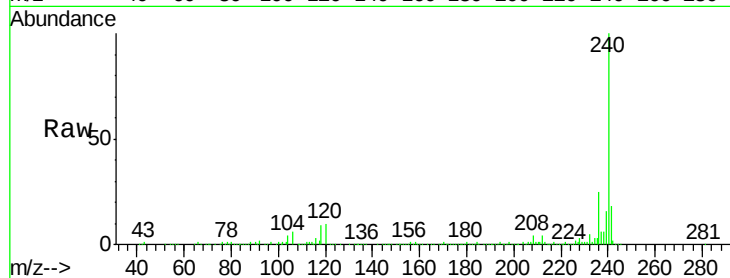
Tgt Ion:240 Resp: 233710

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

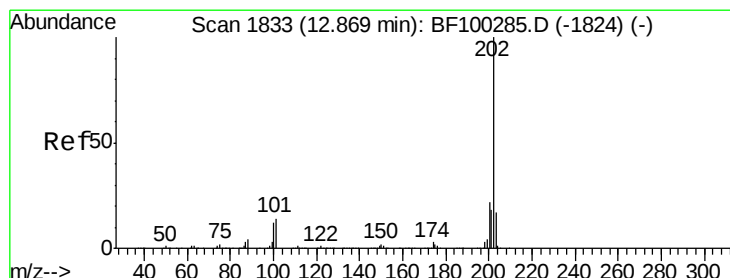
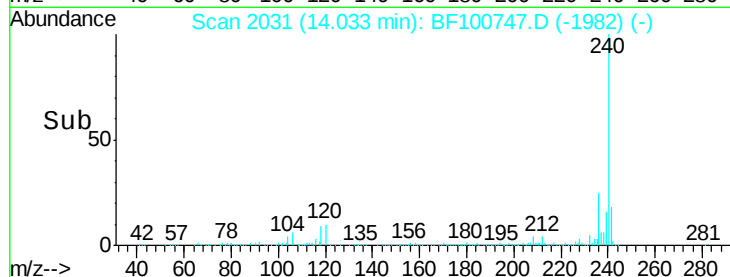
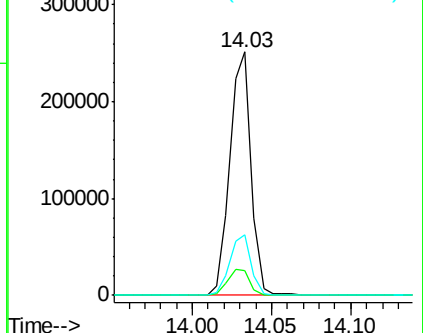
236 25.1 20.7 31.1



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: 4.25 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

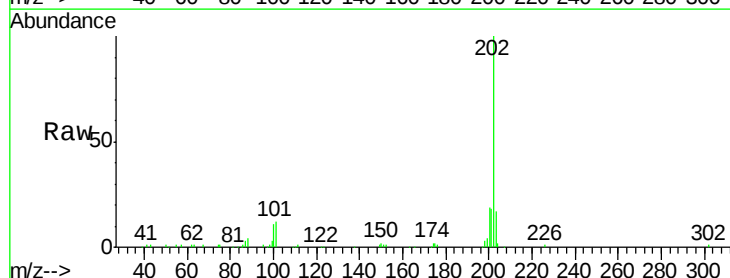
Tgt Ion:202 Resp: 70761

Ion Ratio Lower Upper

202 100

200 19.2 17.4 26.2

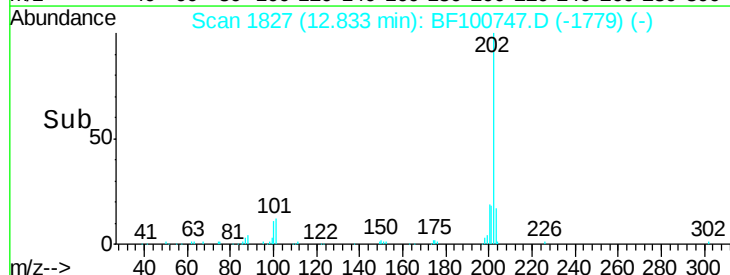
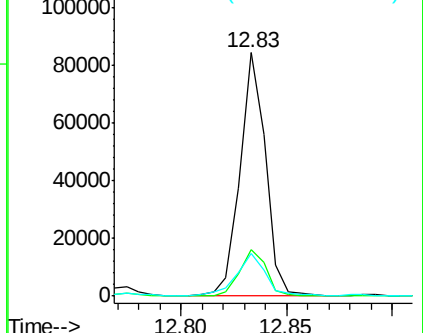
203 17.4 14.3 21.5

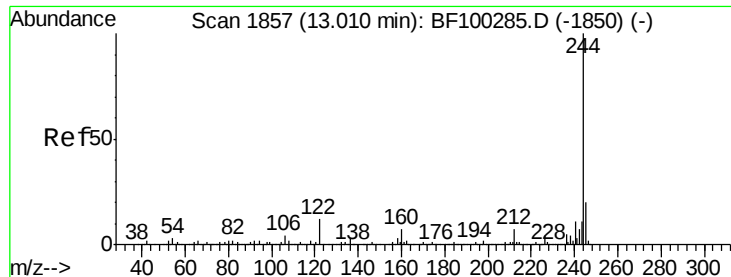


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

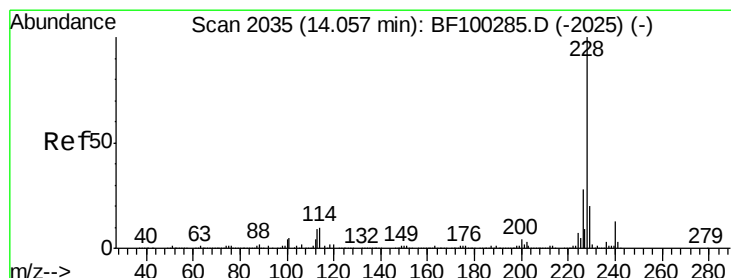
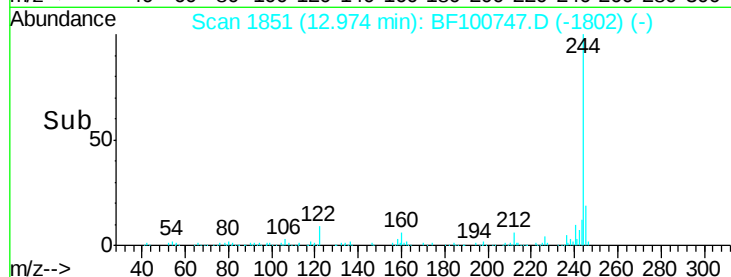
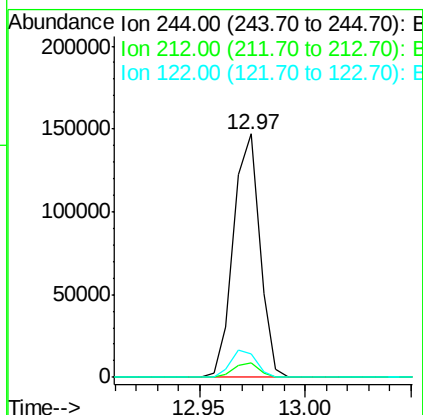
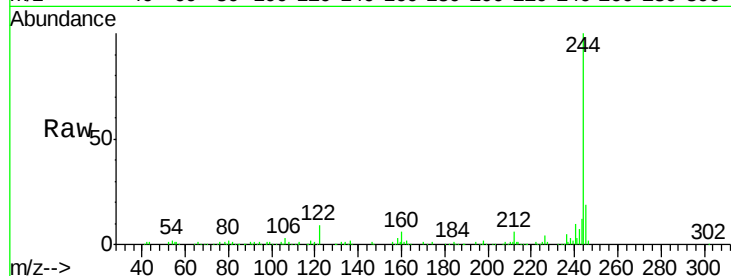




#78
 Terphenyl-d14
 Concen: 12.45 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF100747.D
 Acq: 20 Nov 2017 23:01

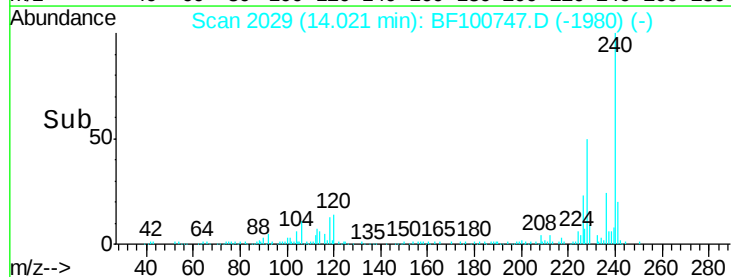
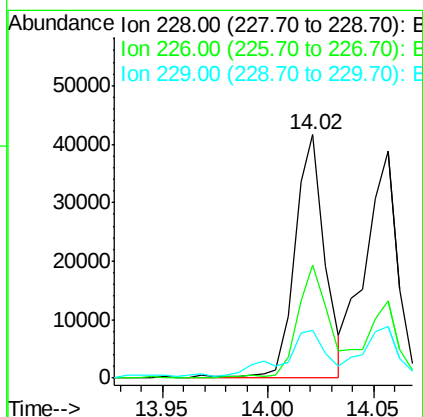
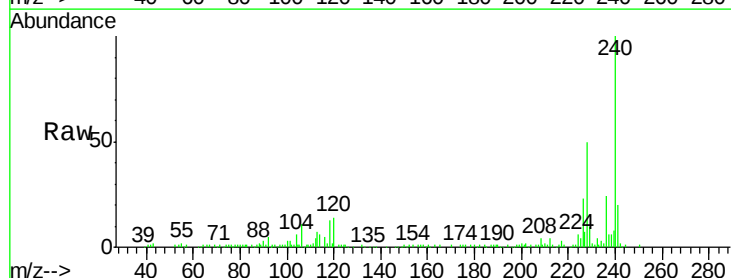
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-D

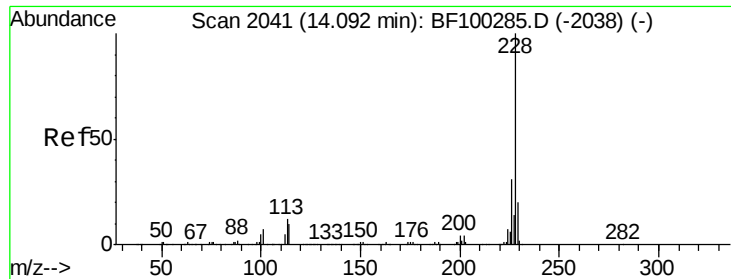
Tgt Ion:244 Resp: 126658
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.4 8.0
 122 9.4 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.92 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF100747.D
 Acq: 20 Nov 2017 23:01

Tgt Ion:228 Resp: 41091
 Ion Ratio Lower Upper
 228 100
 226 46.4 22.6 33.8#
 229 19.9 15.8 23.6





#82

Chrysene

Concen: 3.06 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-D

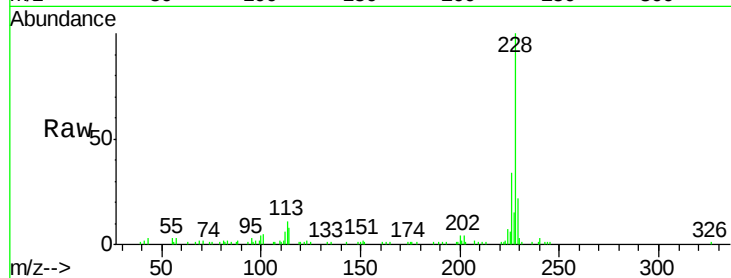
Tgt Ion:228 Resp: 41755

Ion Ratio Lower Upper

228 100

226 34.1 25.0 37.6

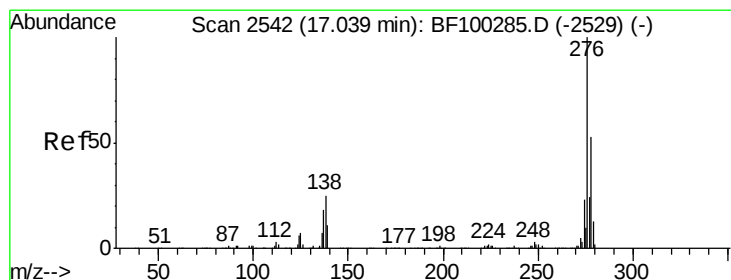
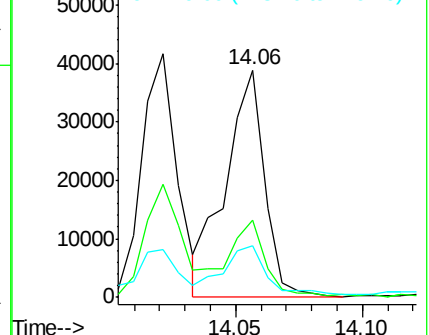
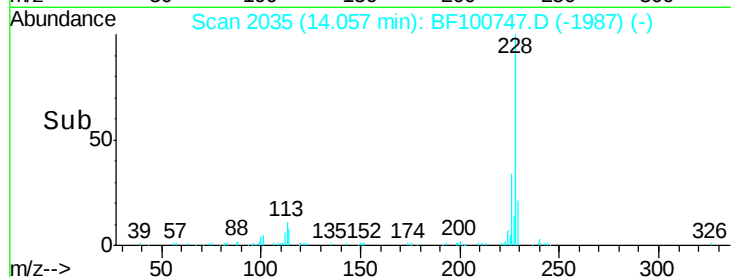
229 22.4 16.2 24.4



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: 2.72 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.03 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

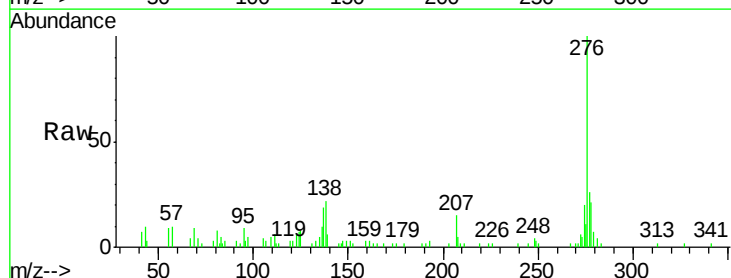
Tgt Ion:276 Resp: 29964

Ion Ratio Lower Upper

276 100

138 24.6 25.0 37.6#

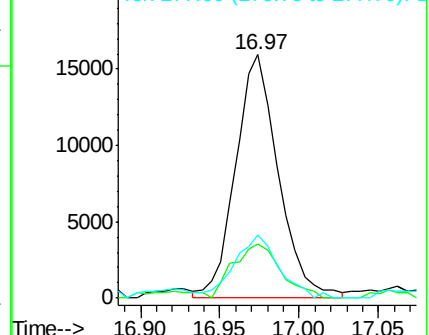
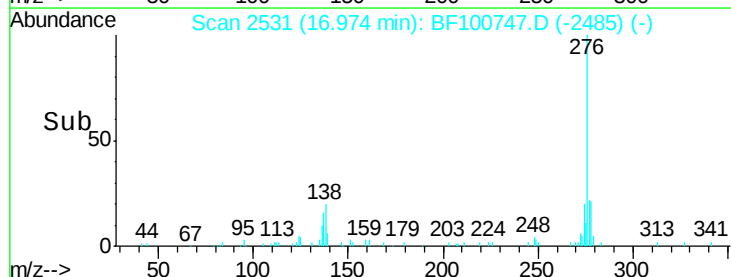
277 26.4 20.1 30.1

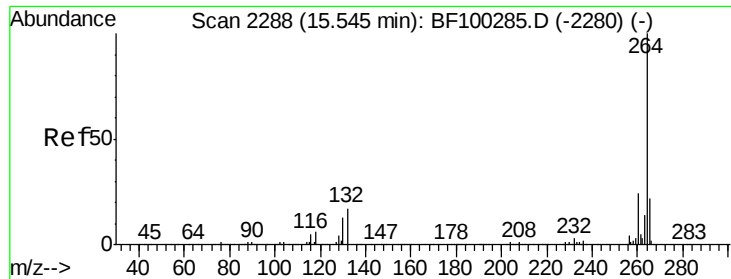


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



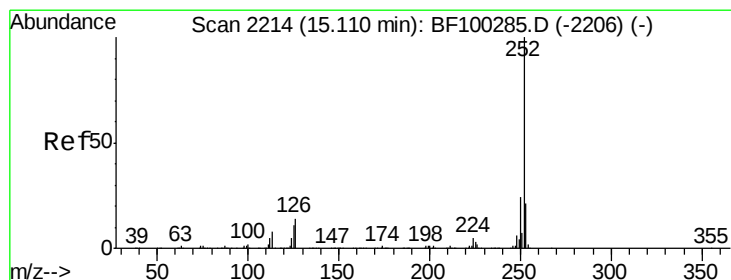
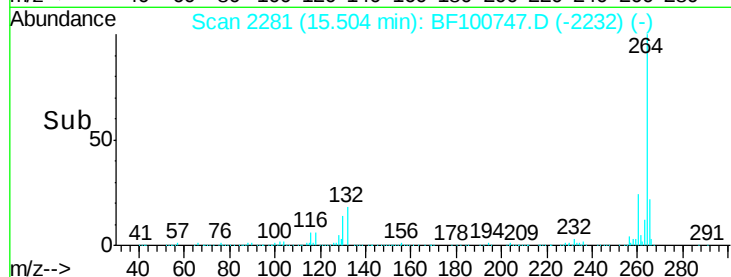
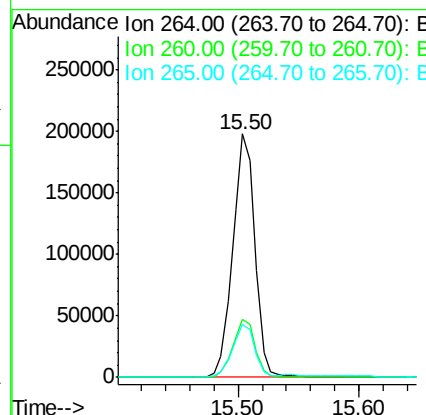
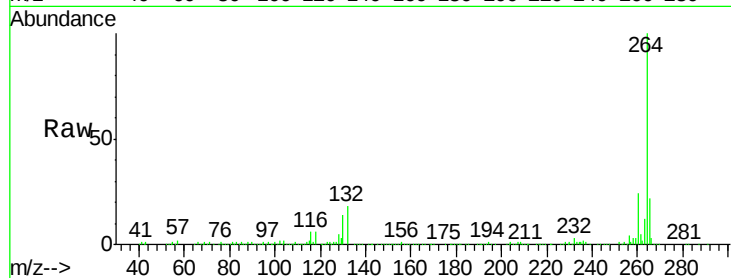


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF100747.D
Acq: 20 Nov 2017 23:01

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-D

Tgt Ion:264 Resp: 252744

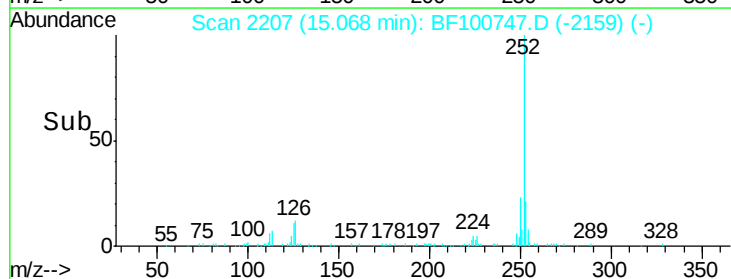
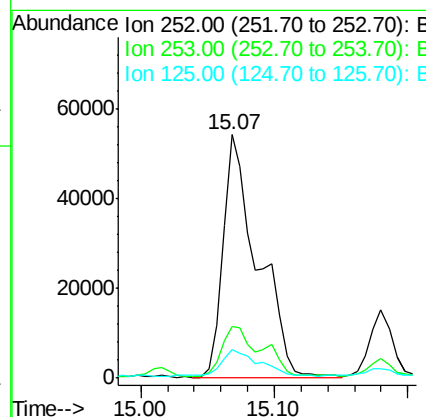
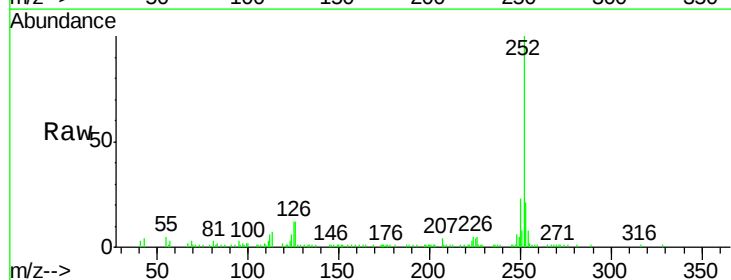
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.0	17.5	26.3

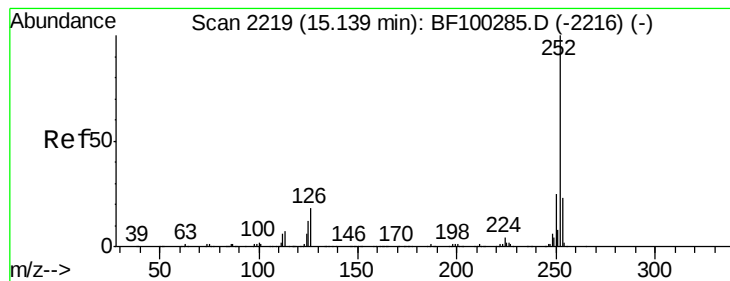


#87
Benzo(b)fluoranthene
Concen: 6.59 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF100747.D
Acq: 20 Nov 2017 23:01

Tgt Ion:252 Resp: 98692

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	11.7	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 6.98 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.05 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-D

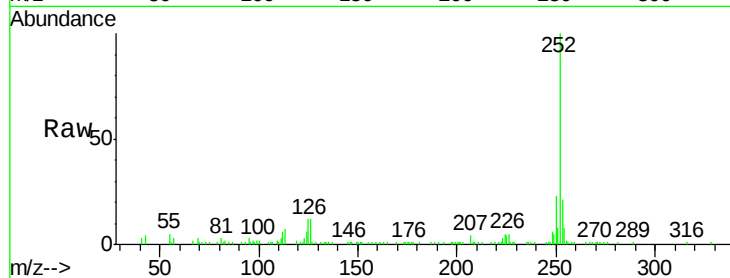
Tgt Ion:252 Resp: 98692

Ion Ratio Lower Upper

252 100

253 21.3 17.9 26.9

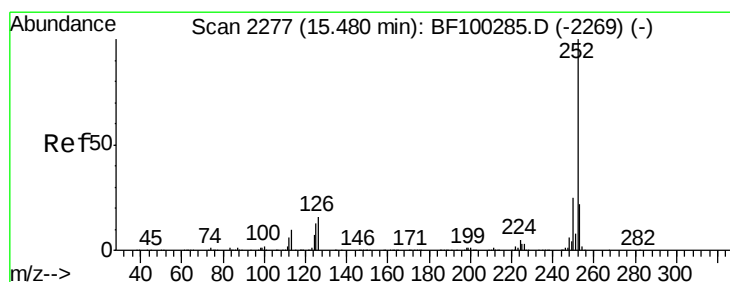
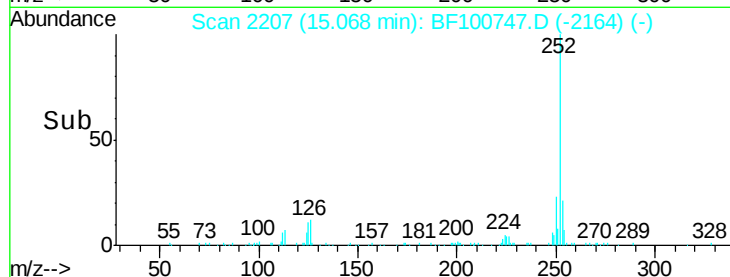
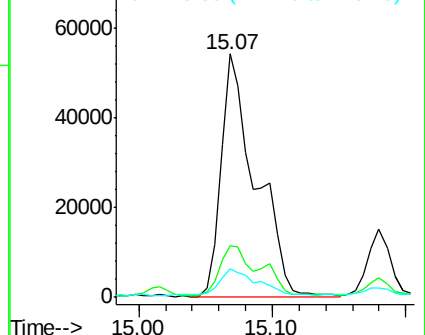
125 11.7 10.2 15.2



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: 4.26 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.02 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

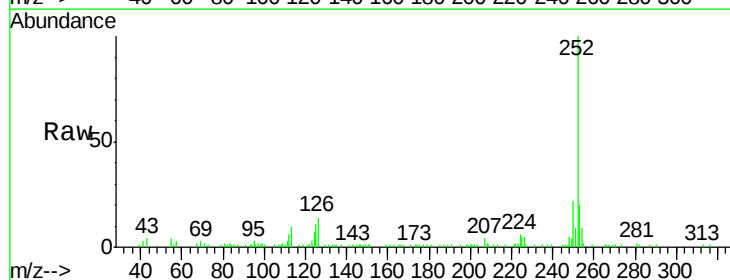
Tgt Ion:252 Resp: 56557

Ion Ratio Lower Upper

252 100

253 20.2 17.1 25.7

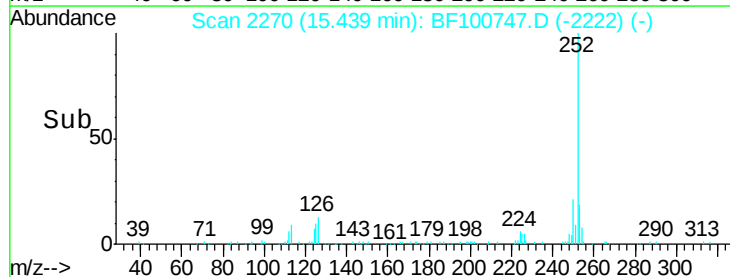
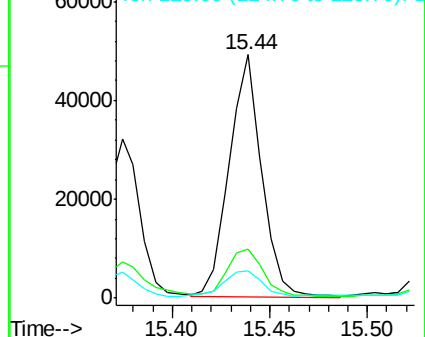
125 11.3 9.8 14.6

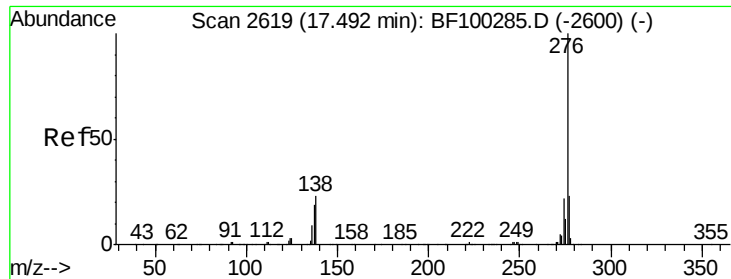


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.50 ng

RT: 17.42 min Scan# 2607

Delta R.T. -0.04 min

Lab File: BF100747.D

Acq: 20 Nov 2017 23:01

Instrument :

BNA_F

ClientSampleId :

CL-01-111617-D

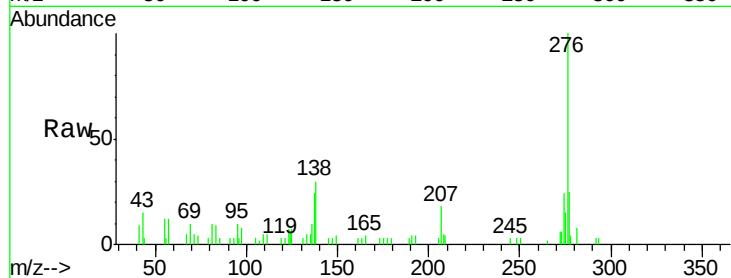
Tgt Ion: 276 Resp: 26559

Ion Ratio Lower Upper

276 100

277 25.3 17.9 26.9

138 29.9 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

