

Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102604.D
 Acq On : 29 Jan 2018 18:34
 Operator : SJ/JU
 Sample : J1257-11 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

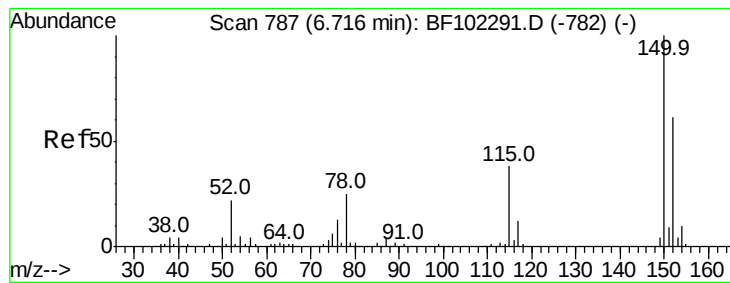
Quant Time: Jan 30 00:10:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	171446	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	720949	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	304553	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	447908	20.00	ng	0.00
75) Chrysene-d12	13.89	240	264659	20.00	ng	0.01
86) Perylene-d12	15.33	264	286509	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	525250	46.45	ng	0.00
7) Phenol-d6	6.36	99	643110	47.18	ng	0.00
23) Nitrobenzene-d5	7.28	82	357505	28.50	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	98940	32.79	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	539754	26.06	ng	0.00
78) Terphenyl-d14	12.83	244	334953	28.53	ng	0.00

Target Compounds				Qvalue		
25) Isophorone	7.28	82	354175	15.836	ng	# 64
49) Dimethylphthalate	9.47	163	101779	4.043	ng	# 99
53) 2,4-Dinitrophenol	9.94	184	117	3.741	ng	# 1
70) Phenanthrene	11.26	178	264470	10.133	ng	98
71) Anthracene	11.26	178	264470	9.927	ng	97
74) Fluoranthene	12.46	202	354618	13.323	ng	98
77) Pyrene	12.69	202	361162	17.650	ng	97
80) Benzo(a)anthracene	13.88	228	157982	9.696	ng	# 94
82) Chrysene	13.92	228	148245	8.959	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.73	276	122499	8.964	ng	96
87) Benzo(b)fluoranthene	14.92	252	249709	13.447	ng	# 83
88) Benzo(k)fluoranthene	14.92	252	249709	14.233	ng	# 86
89) Benzo(a)pyrene	15.26	252	155524	9.286	ng	# 88
90) Dibenzo(a,h)anthracene	16.73	278	28707	2.116	ng	# 71
91) Benzo(a,h,i)perylene	17.15	276	121629	9.080	ng	# 90

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

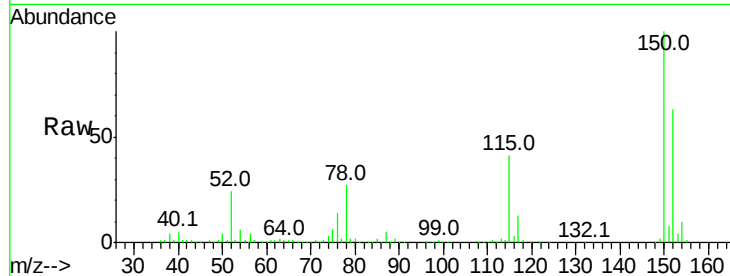


#1

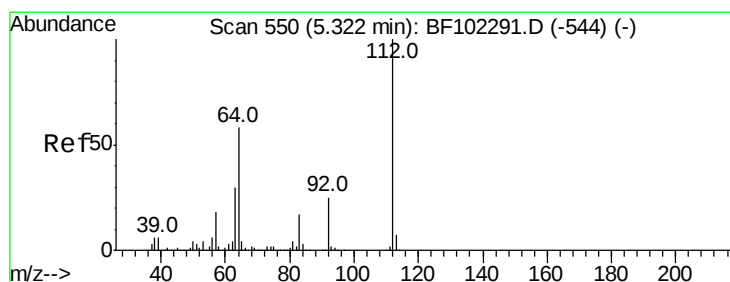
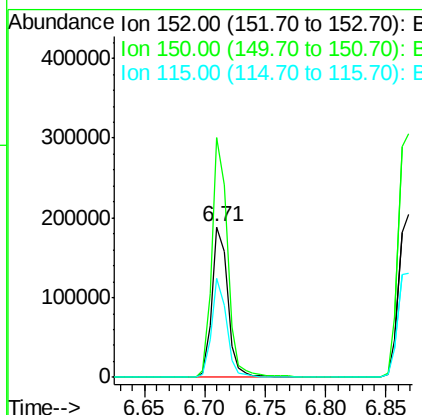
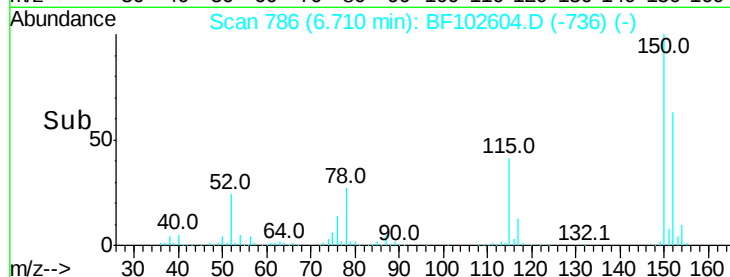
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102604.D
Acq: 29 Jan 2018 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 171446
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 65.5 50.1 75.1



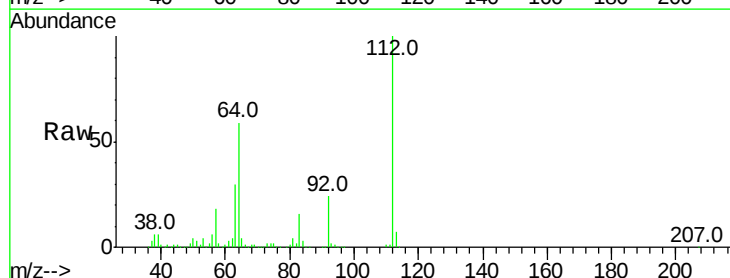
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



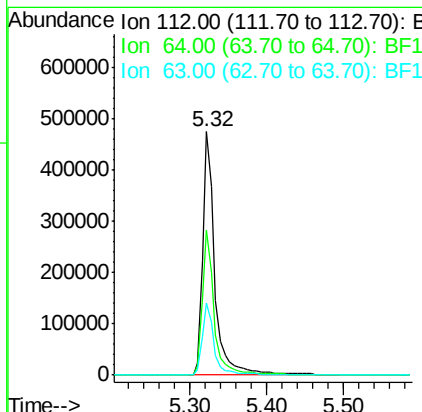
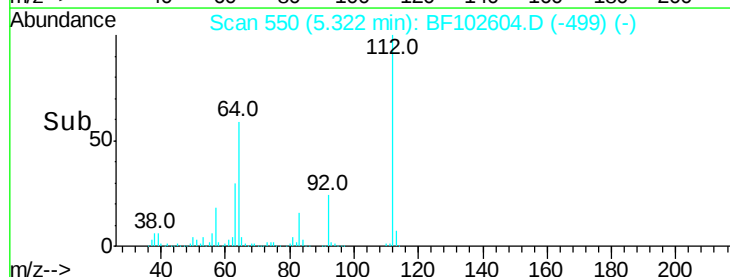
#5

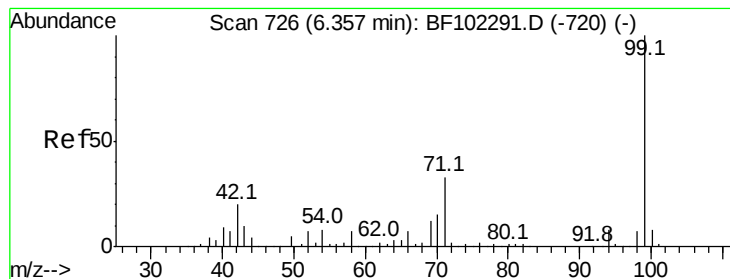
2-Fluorophenol
Concen: 46.453 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102604.D
Acq: 29 Jan 2018 18:34

Tgt Ion:112 Resp: 525250
Ion Ratio Lower Upper
112 100
64 59.3 47.9 71.9
63 29.7 23.7 35.5



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





#7

Phenol-d6

Concen: 47.177 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Instrument :

BNA_F

ClientSampleId :

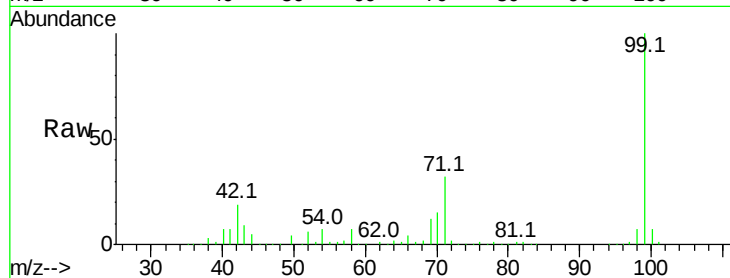
Tot Ion: 99 Resp: 643110

Ion Ratio Lower Upper

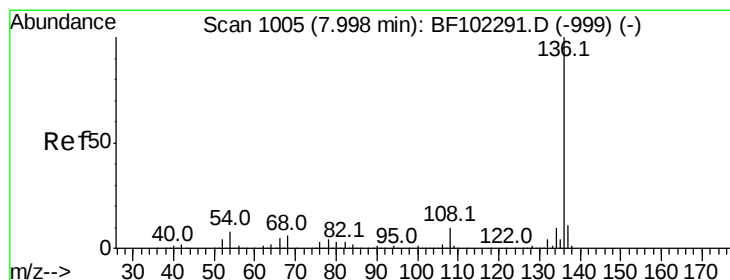
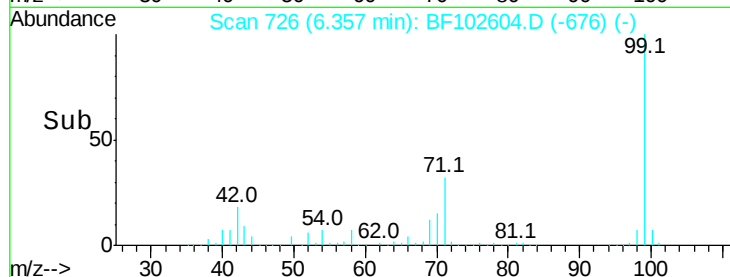
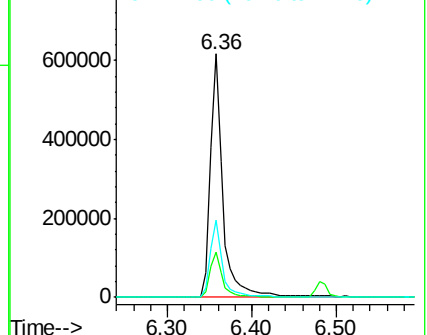
99 100

42 18.5 14.5 21.7

71 31.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Tgt Ion: 136 Resp: 720949

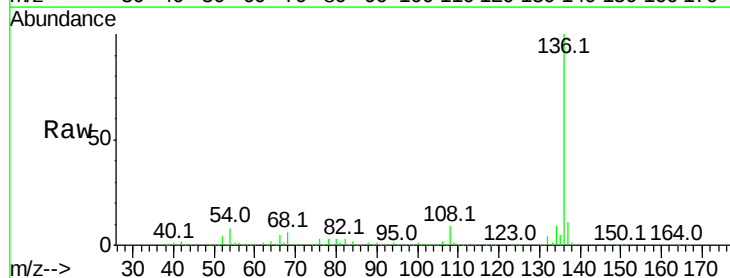
Ion Ratio Lower Upper

136 100

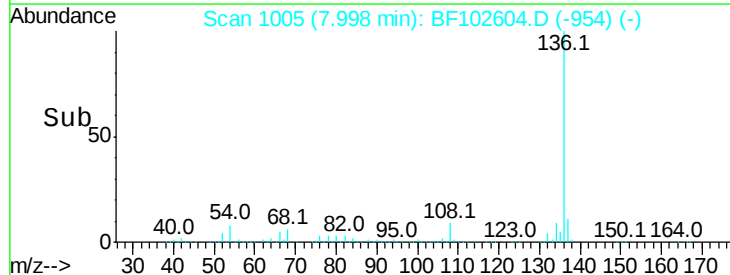
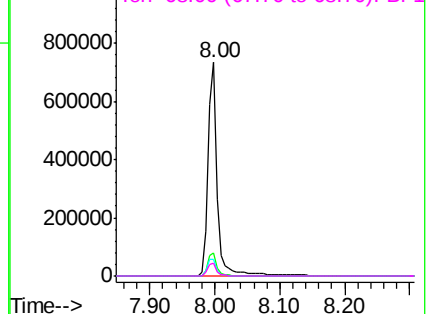
137 11.0 8.9 13.3

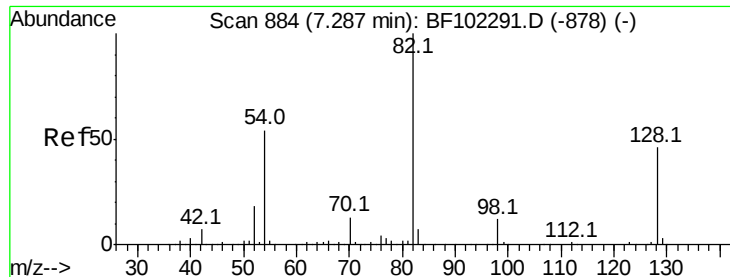
54 7.6 6.6 9.8

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

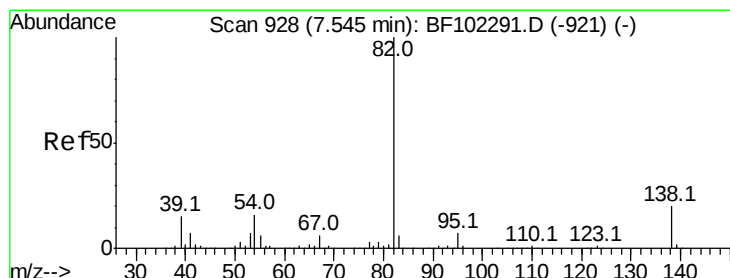
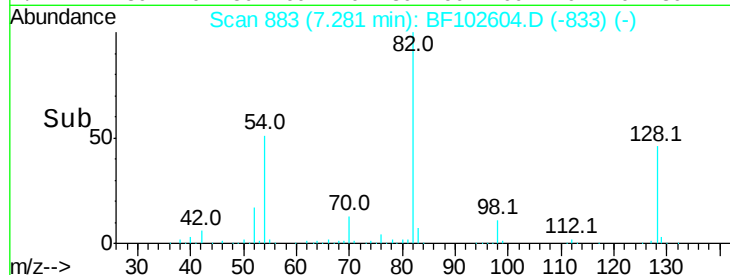
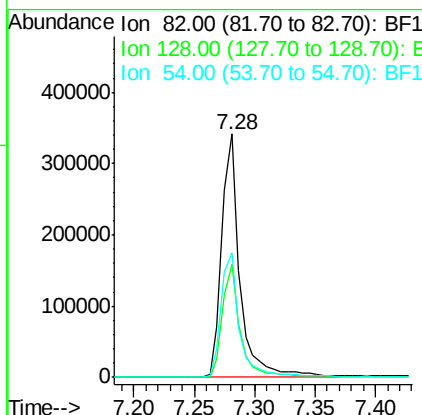
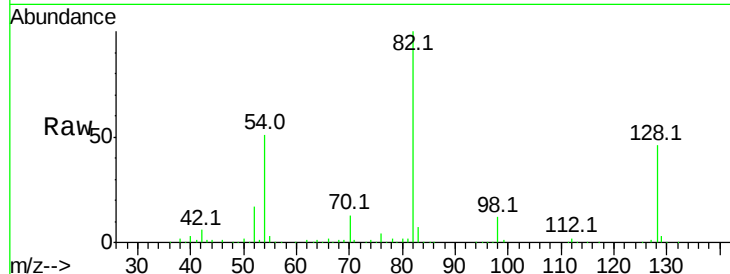




#23
 Nitrobenzene-d5
 Concen: 28.497 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

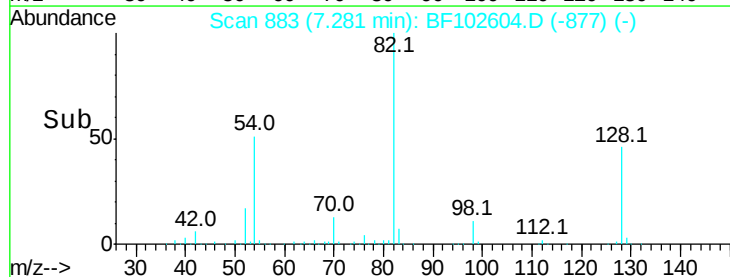
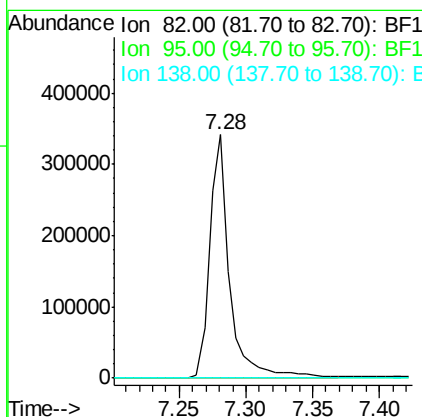
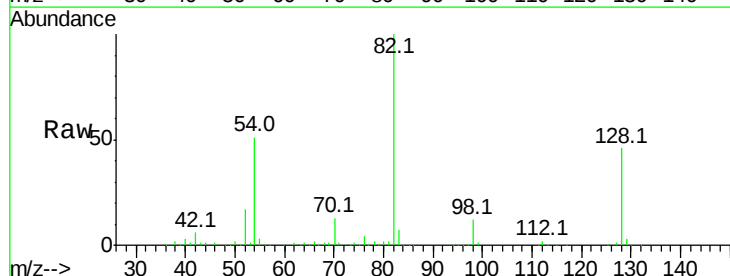
Instrument :
 BNA_F
 ClientSampleId :

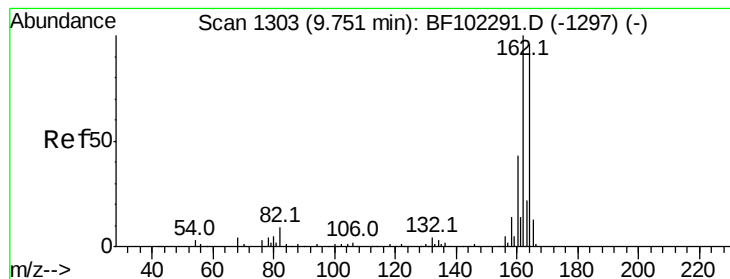
Tot Ion	82	Resp	357505
Ion Ratio	Lower	Upper	
82	100		
128	46.2	36.1	54.1
54	51.0	41.4	62.2



#25
 Isophorone
 Concen: 15.836 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Tgt Ion	82	Resp	354175
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Instrument :

BNA_F

ClientSampleId :

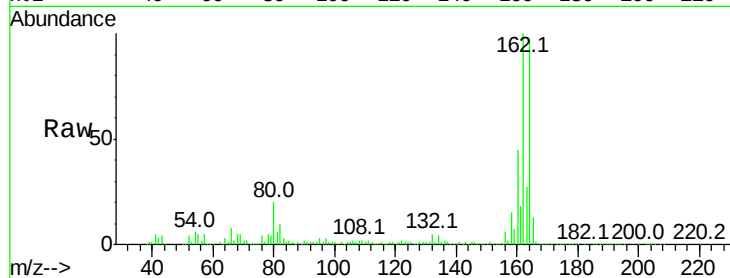
Tot Ion:164 Resp: 304553

Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

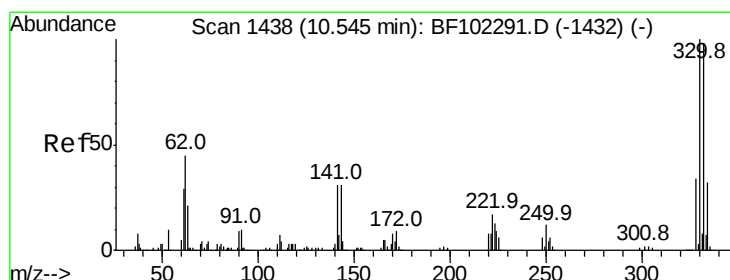
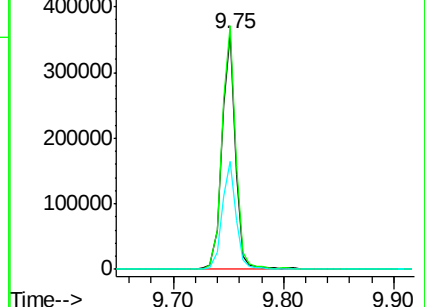
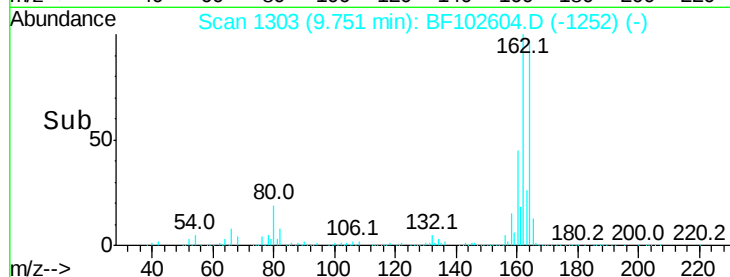
160 46.0 38.3 57.5



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: 32.787 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

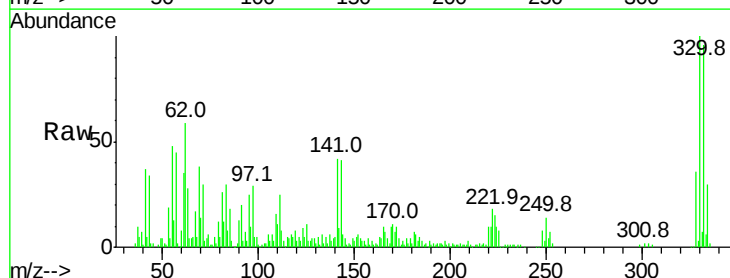
Tgt Ion:330 Resp: 98940

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

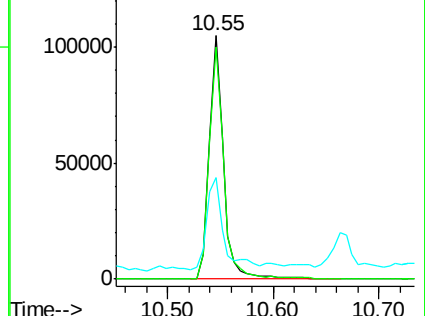
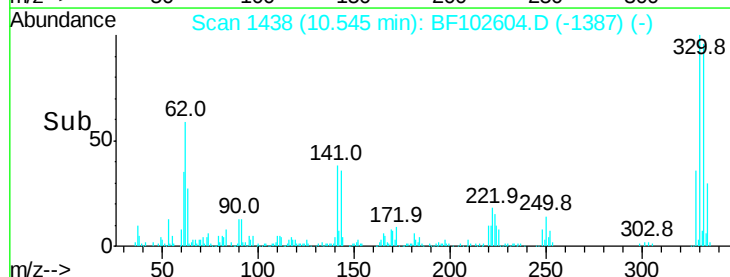
141 44.7 29.9 44.9

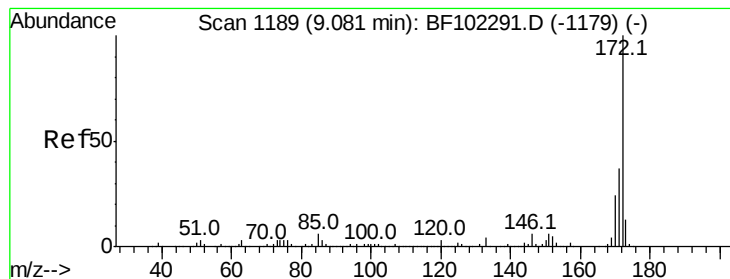


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

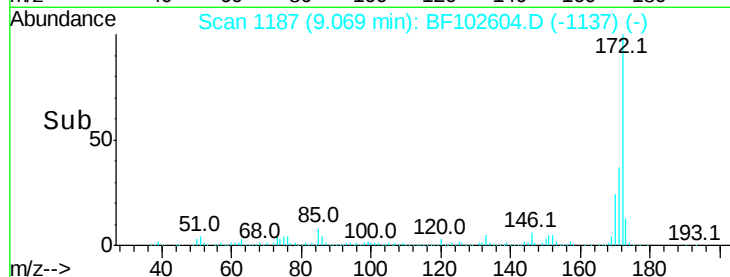
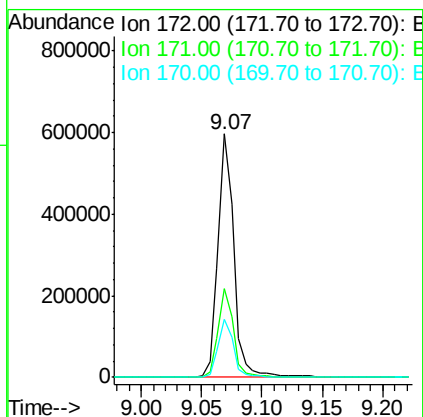
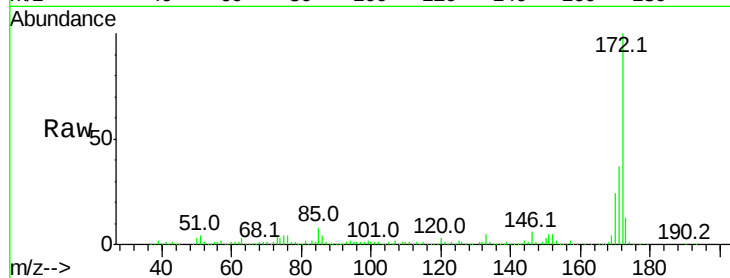




#44
 2-Fluorobiphenyl
 Concen: 26.059 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

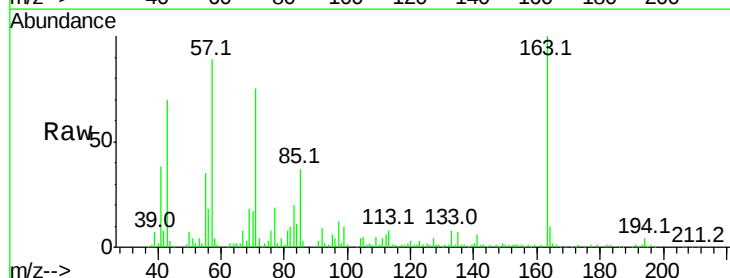
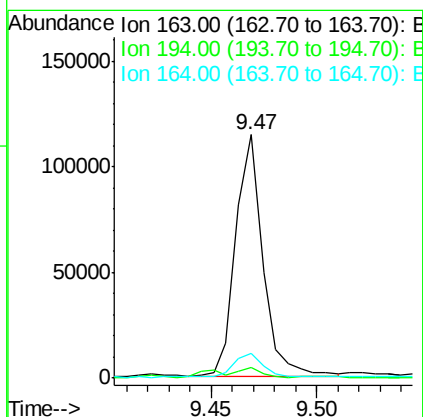
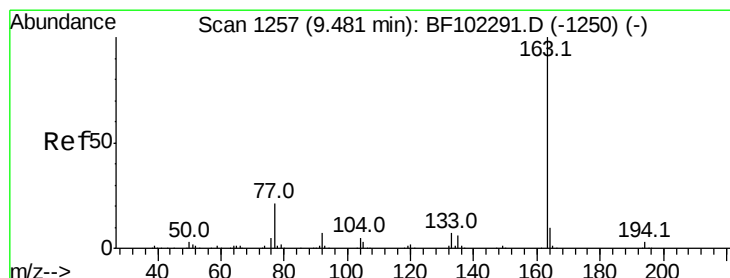
Instrument :
 BNA_F
 ClientSampleId :

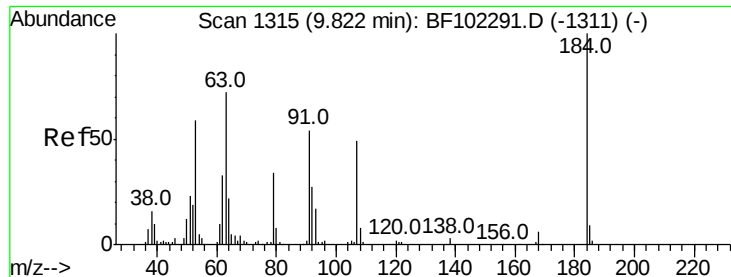
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.9	19.6	29.4



#49
 Dimethylphthalate
 Concen: 4.043 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	10.4	8.2	12.2

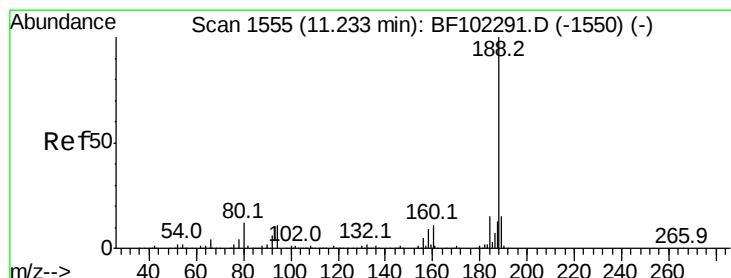
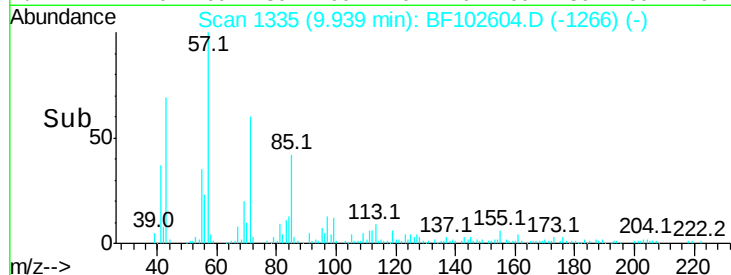
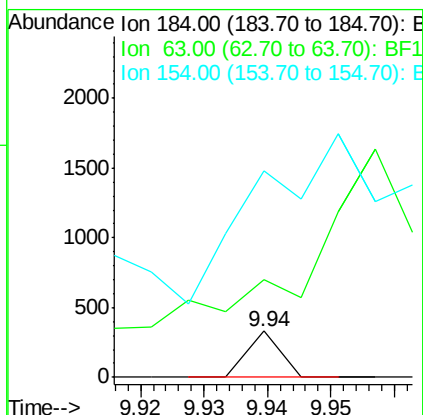
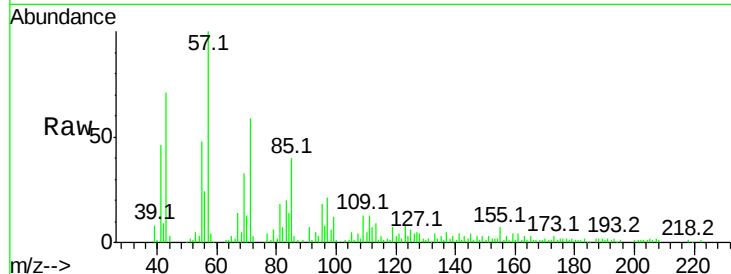




#53
2,4-Dinitrophenol
Concen: 3.741 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.11 min
Lab File: BF102604.D
Acq: 29 Jan 2018 18:34

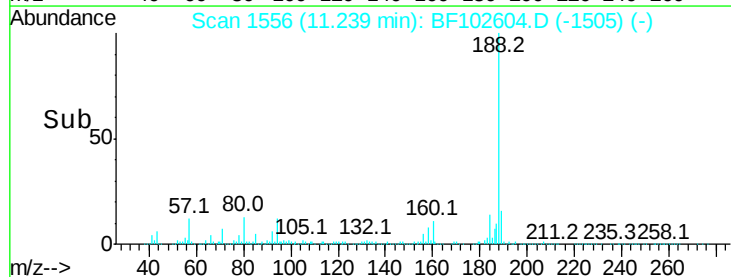
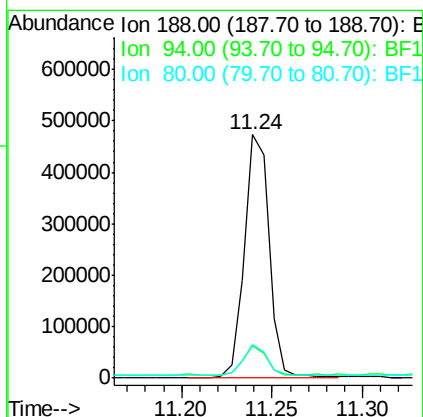
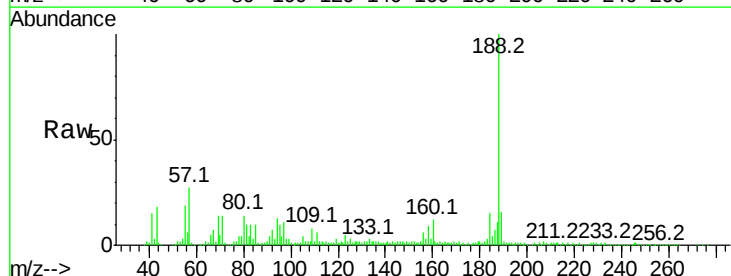
Instrument :
BNA_F
ClientSampleId :

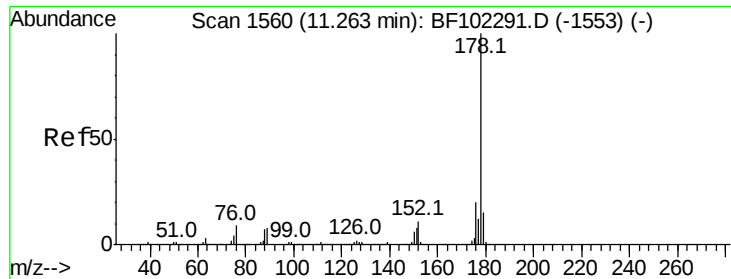
Tot Ion:184 Resp: 117
Ion Ratio Lower Upper
184 100
63 210.8 54.2 81.2#
154 444.4 184.0 276.0#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102604.D
Acq: 29 Jan 2018 18:34

Tgt Ion:188 Resp: 447908
Ion Ratio Lower Upper
188 100
94 13.3 8.5 12.7#
80 13.8 9.2 13.8#





#70

Phenanthrene

Concen: 10.133 ng

RT: 11.26 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Instrument :

BNA_F

ClientSampleId :

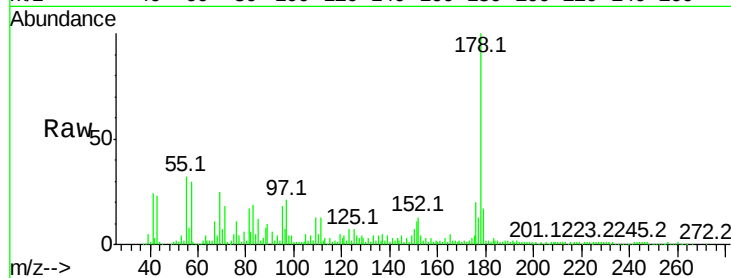
Tot Ion:178 Resp: 264470

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

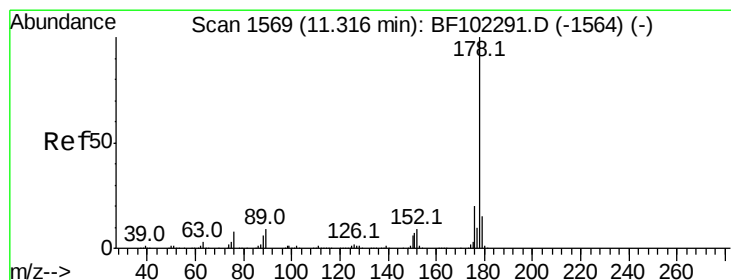
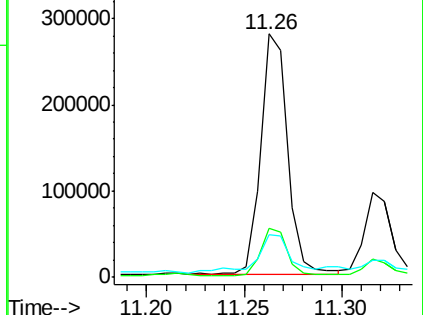
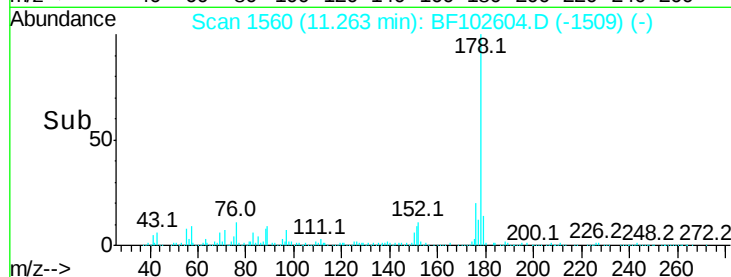
179 17.5 13.0 19.6



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: 9.927 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.05 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

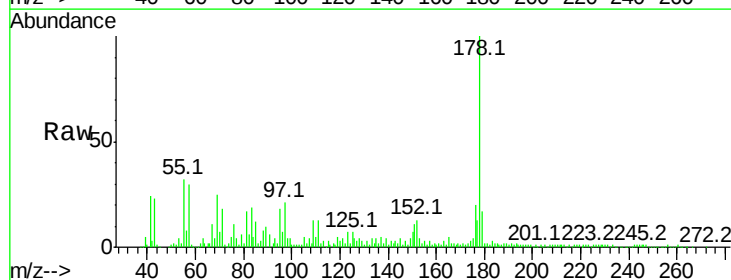
Tgt Ion:178 Resp: 264470

Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.2

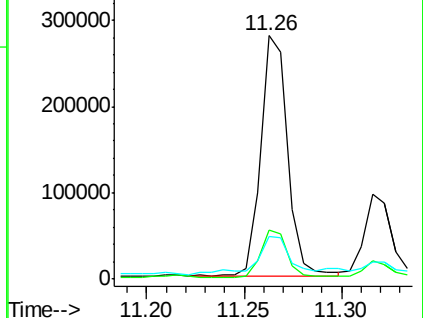
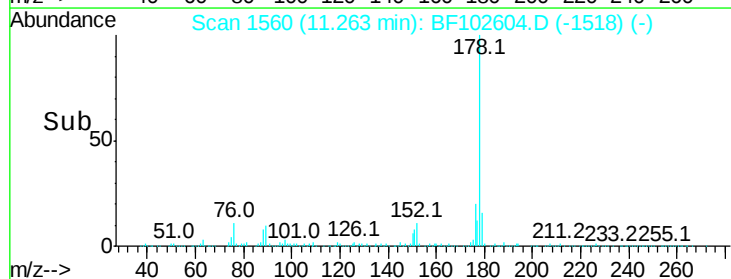
179 17.5 12.6 19.0

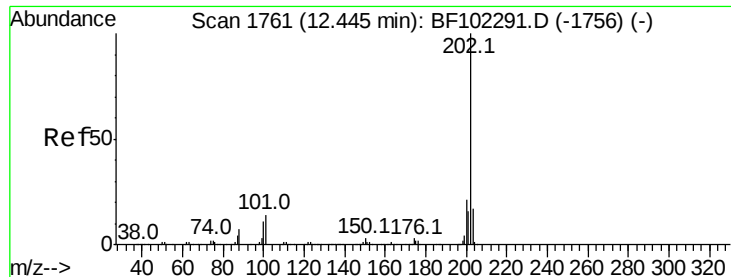


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.323 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Instrument :

BNA_F

ClientSampleId :

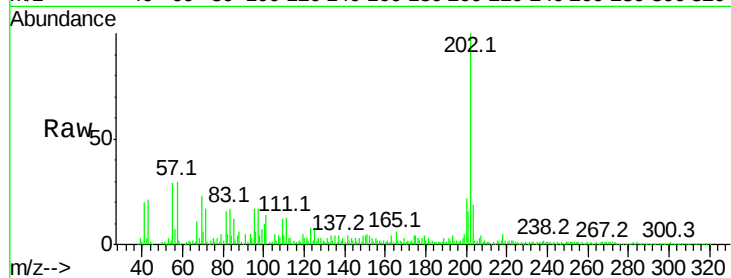
Tot Ion:202 Resp: 354618

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

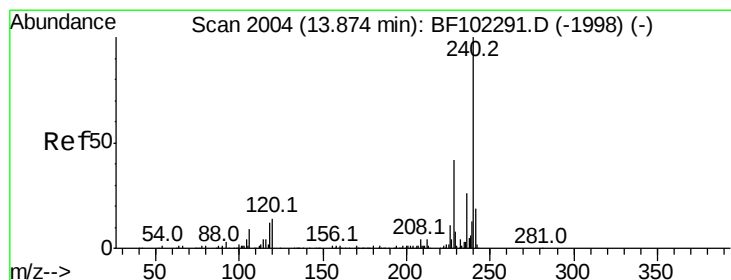
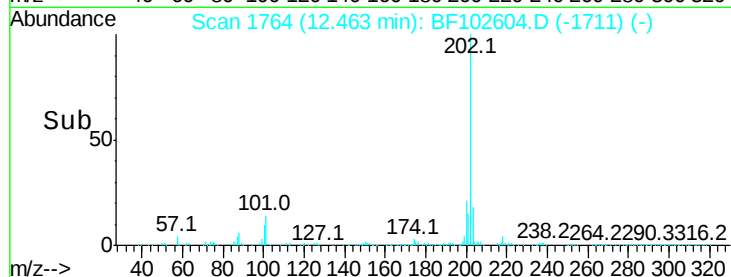
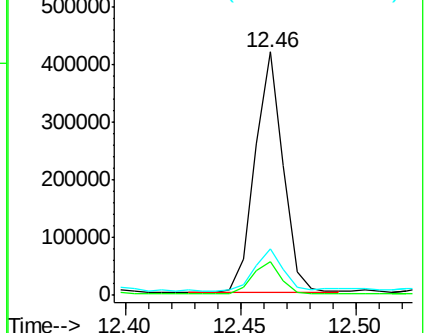
203 19.2 0.0 38.1



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: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

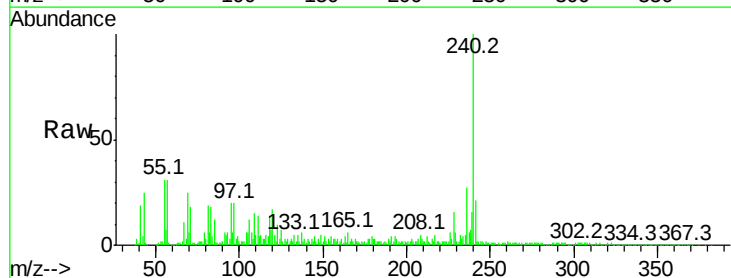
Tgt Ion:240 Resp: 264659

Ion Ratio Lower Upper

240 100

120 16.8 9.5 14.3#

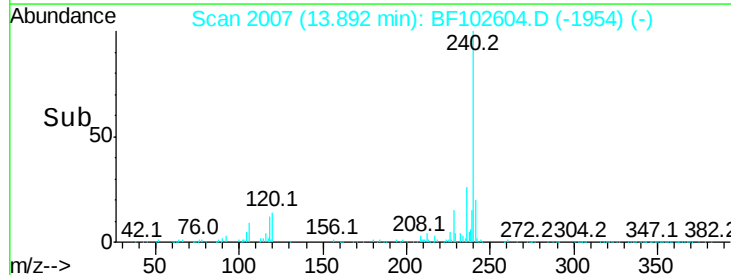
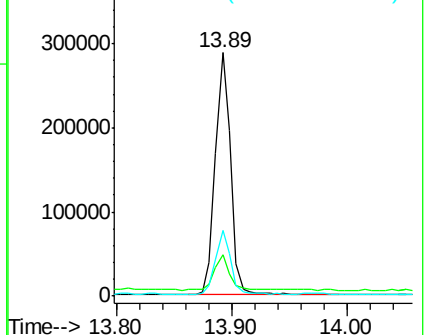
236 27.2 20.7 31.1

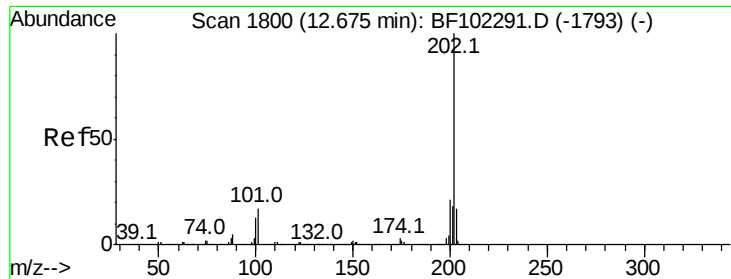


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

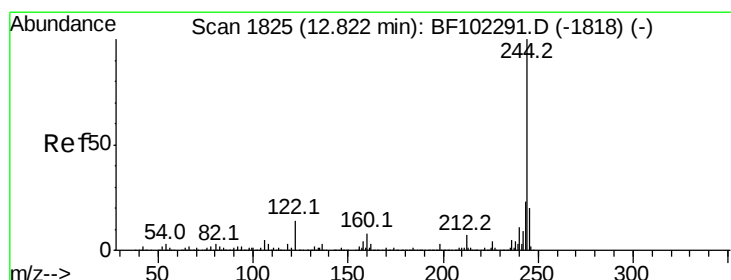
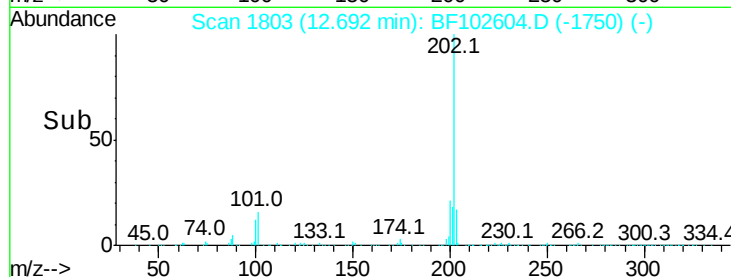
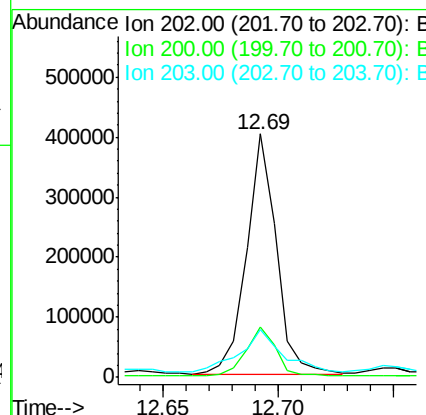
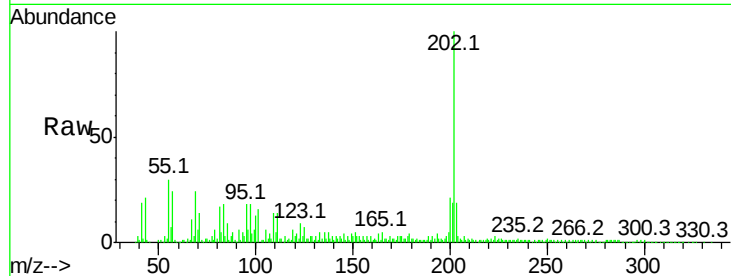




#77
Pvrene
Concen: 17.650 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.01 min
Lab File: BF102604.D
Acq: 29 Jan 2018 18:34

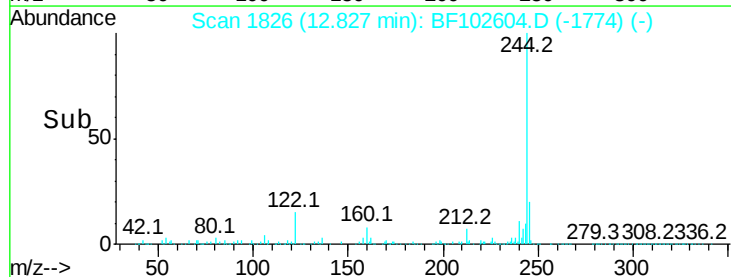
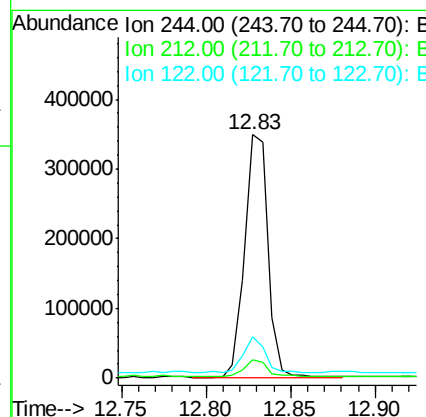
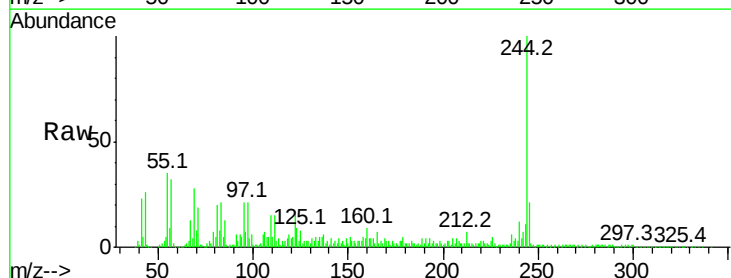
Instrument :
BNA_F
ClientSampled :

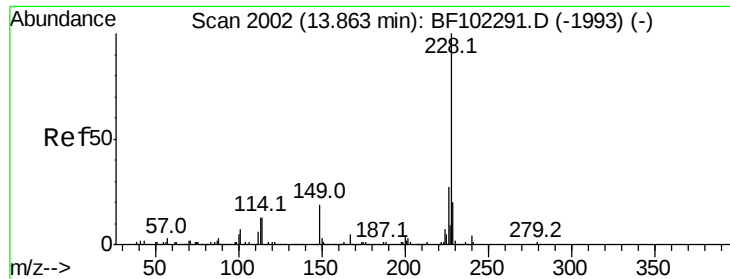
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	19.5	14.3	21.5



#78
Terphenyl-d14
Concen: 28.531 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF102604.D
Acq: 29 Jan 2018 18:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	17.2	11.0	16.4





#80

Benzo(a)anthracene

Concen: 9.696 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Instrument :

BNA_F

ClientSampleId :

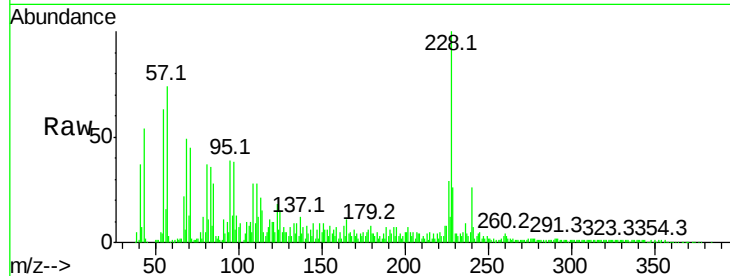
Tot Ion:228 Resp: 157982

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

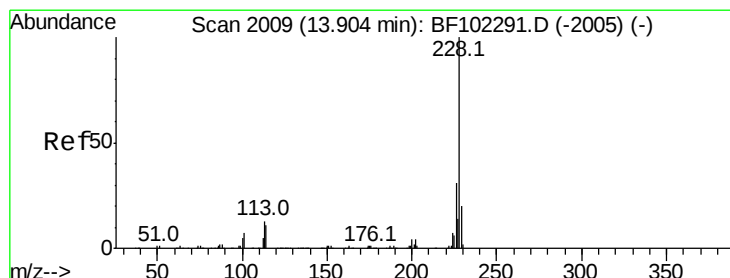
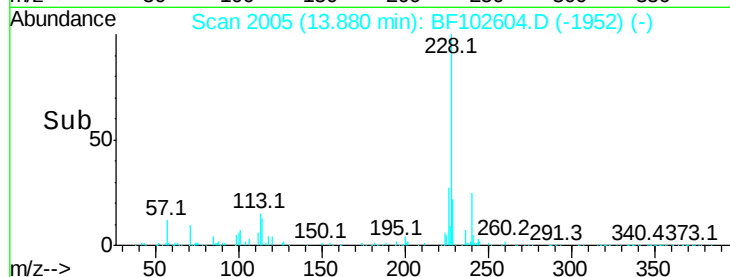
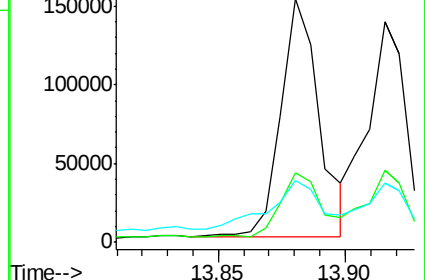
229 25.6 15.8 23.6#



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: 8.959 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

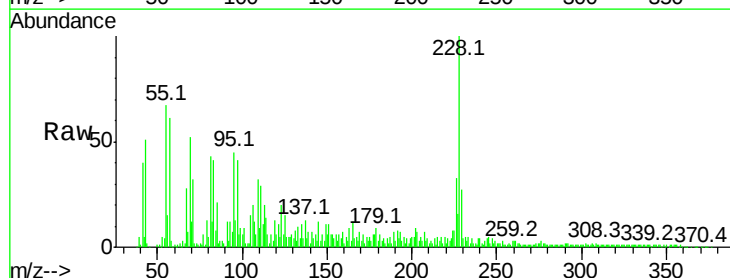
Tgt Ion:228 Resp: 148245

Ion Ratio Lower Upper

228 100

226 32.9 25.0 37.6

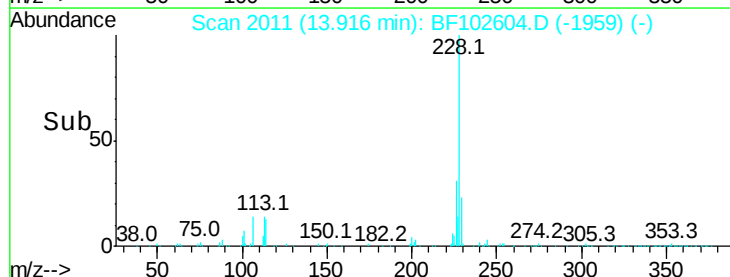
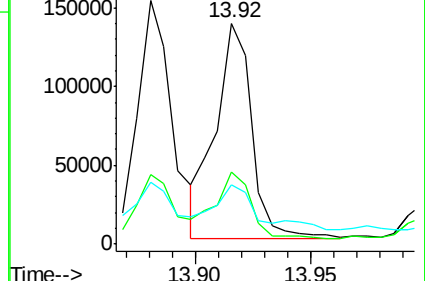
229 27.1 16.2 24.4#

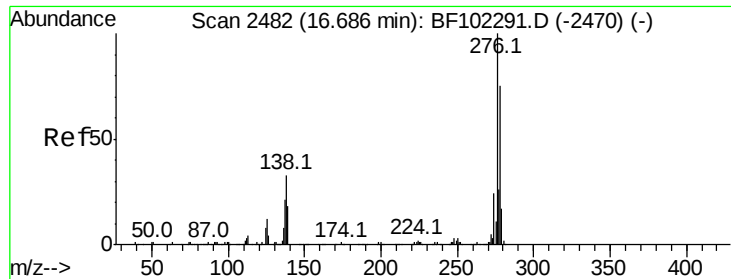


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

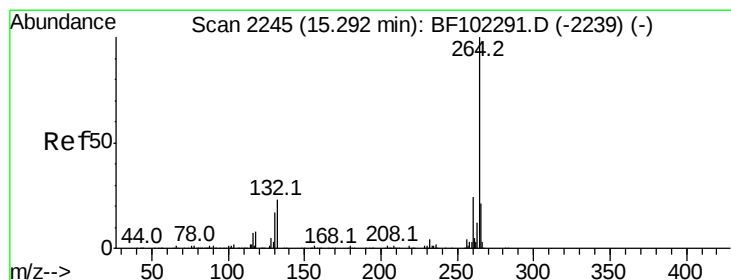
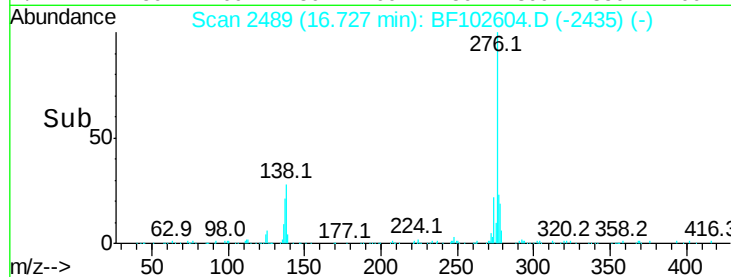
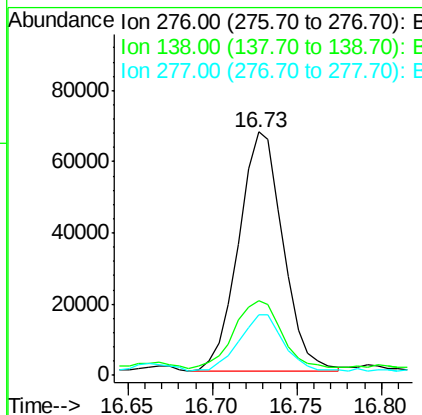
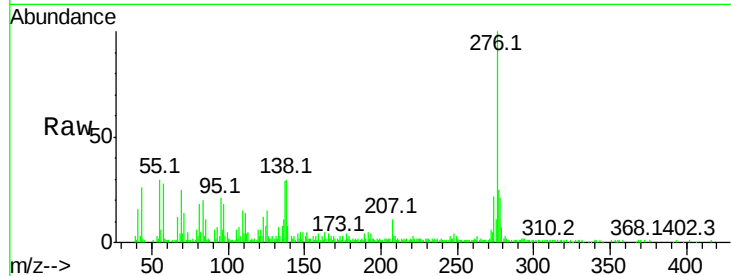




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.964 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.02 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

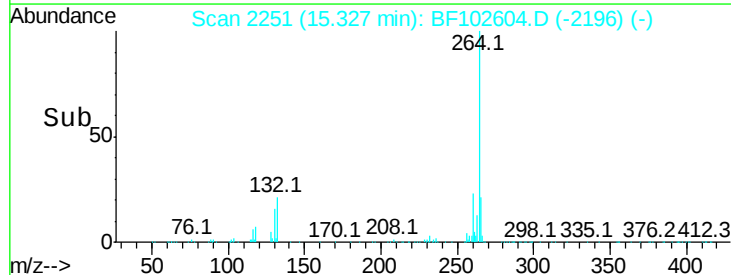
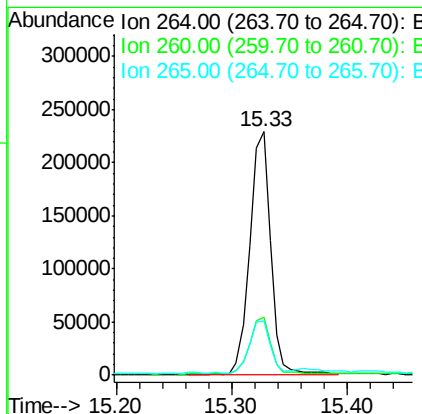
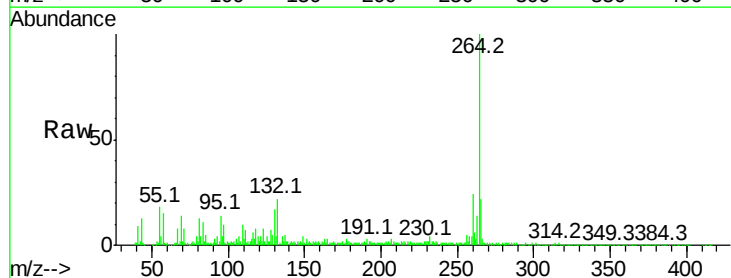
Instrument :
 BNA_F
 ClientSampleId :

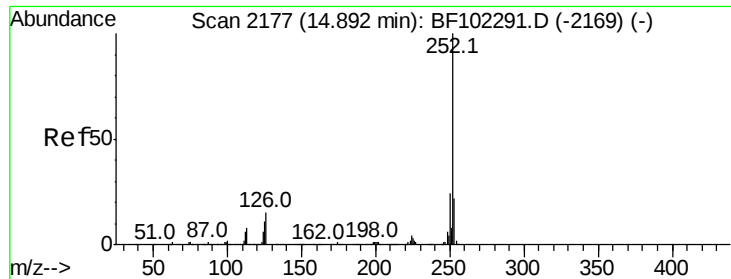
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.7	25.0	37.6
277	22.9	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.02 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 13.447 ng

RT: 14.92 min Scan# 2181

Delta R.T. 0.02 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Instrument :

BNA_F

ClientSampleId :

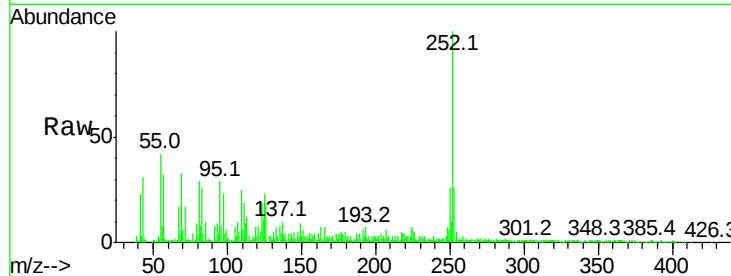
Tot Ion:252 Resp: 249709

Ion Ratio Lower Upper

252 100

253 26.3 17.0 25.6#

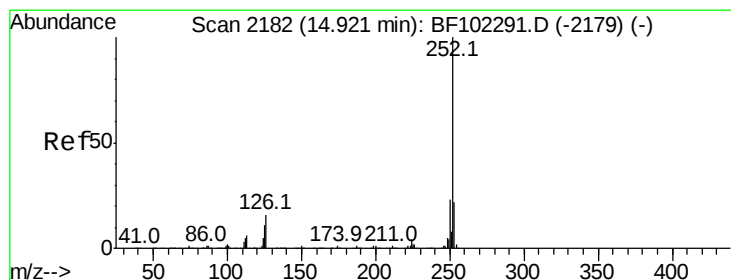
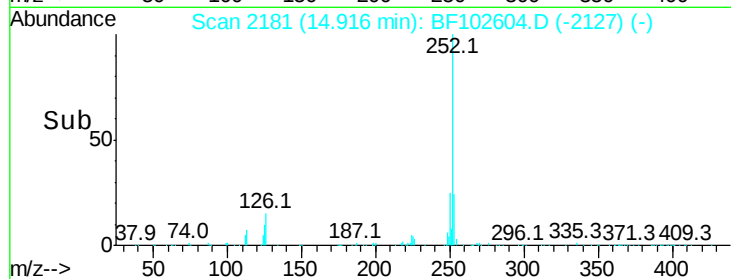
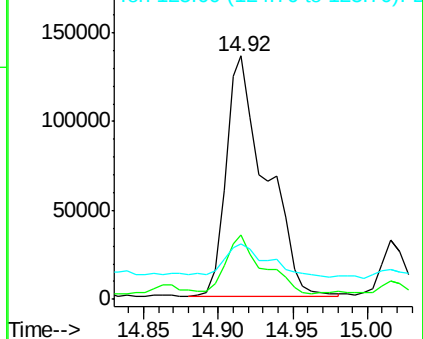
125 22.8 9.0 13.6#



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: 14.233 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

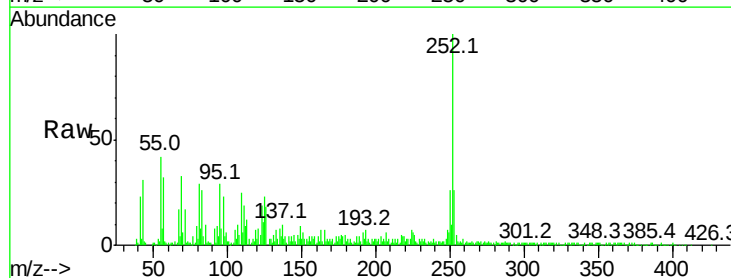
Tgt Ion:252 Resp: 249709

Ion Ratio Lower Upper

252 100

253 26.3 17.9 26.9

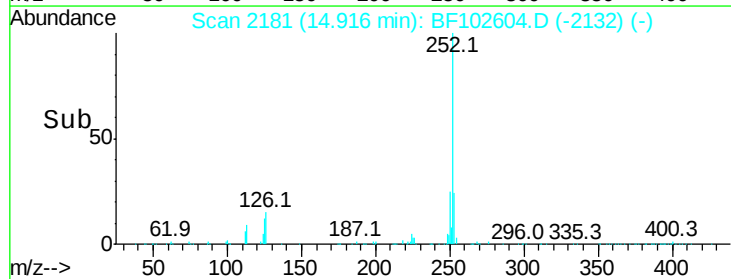
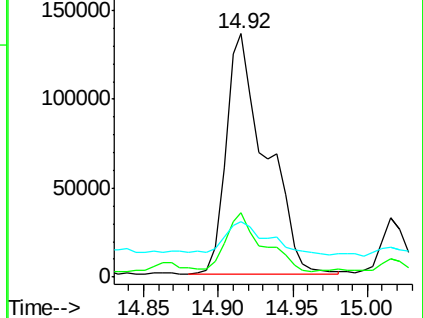
125 22.8 10.2 15.2#

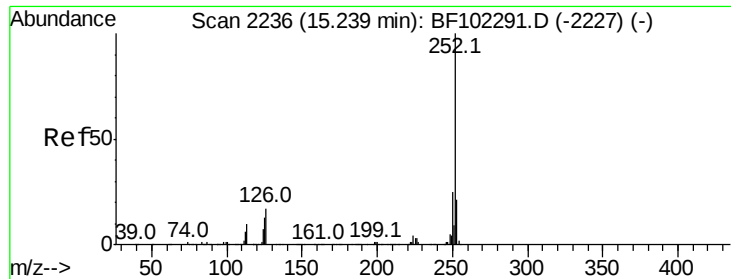


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.286 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Instrument :

BNA_F

ClientSampleId :

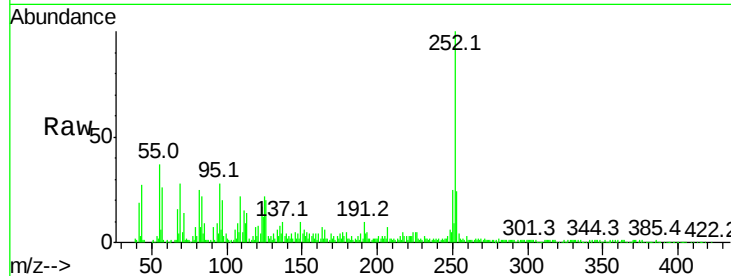
Tot Ion:252 Resp: 155524

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

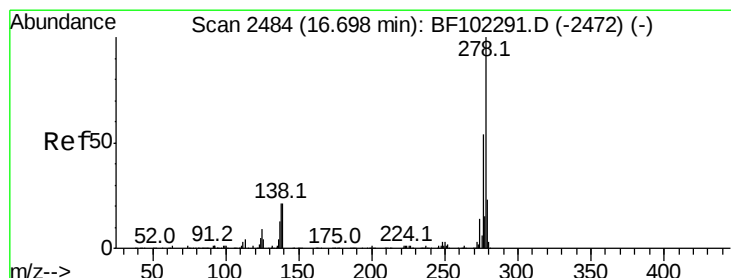
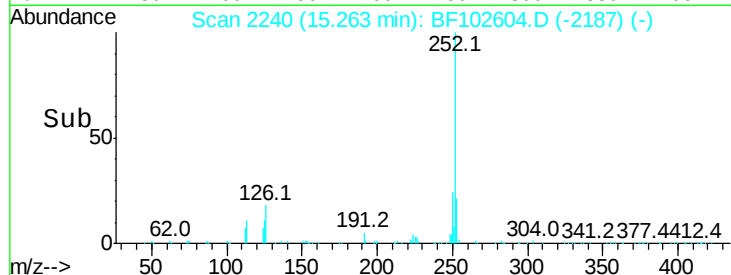
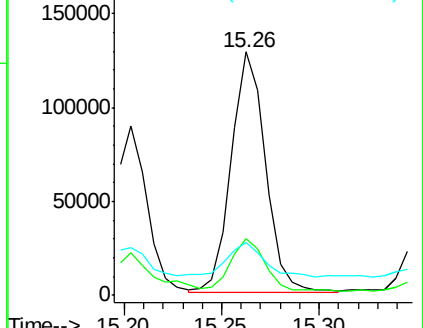
125 21.7 9.8 14.6#



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: 2.116 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

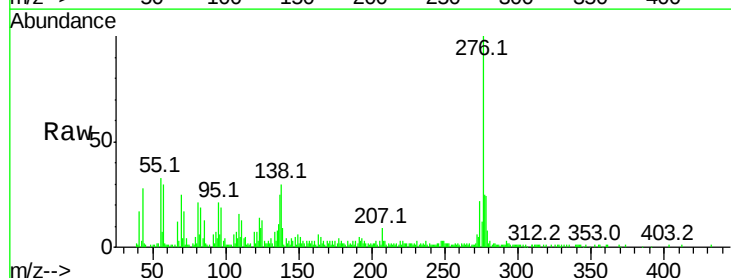
Tgt Ion:278 Resp: 28707

Ion Ratio Lower Upper

278 100

139 37.8 15.9 23.9#

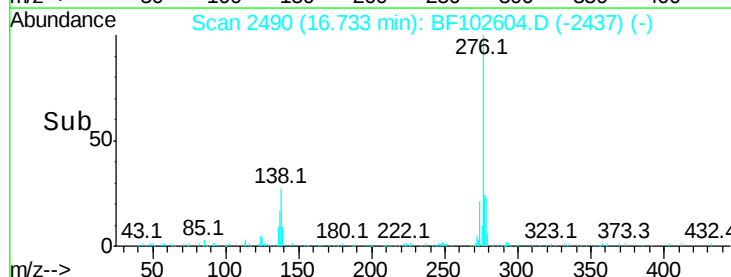
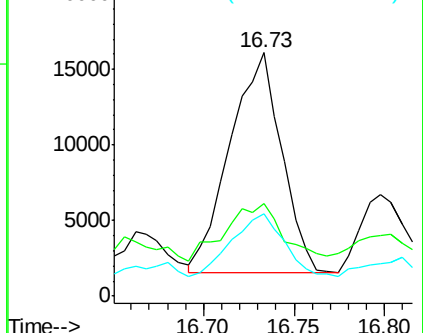
279 34.0 19.0 28.4#

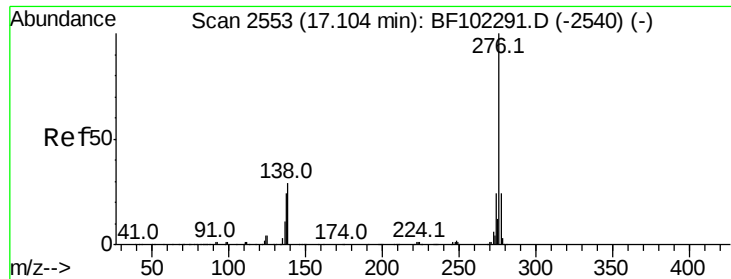


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

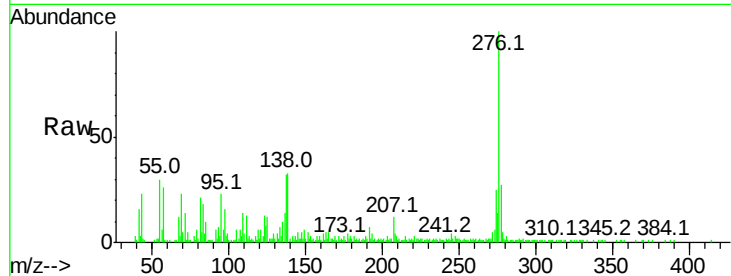




#91
 Benzo(a,h,i)perylene
 Concen: 9.080 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. 0.02 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	33.3	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

