

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104544.D
 Acq On : 16 Apr 2018 20:27
 Operator : JU/SJ
 Sample : J2370-05 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 00:56:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	161899	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	667965	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	301494	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	509204	20.00	ng	0.00
75) Chrysene-d12	13.99	240	299719	20.00	ng	0.00
86) Perylene-d12	15.45	264	314285	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	107404	10.14	ng	0.00
7) Phenol-d6	6.43	99	135097	10.38	ng	-0.02
23) Nitrobenzene-d5	7.37	82	78923	7.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	31680	10.13	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	144263	7.56	ng	-0.01
78) Terphenyl-d14	12.92	244	108787	8.27	ng	0.00

Target Compounds

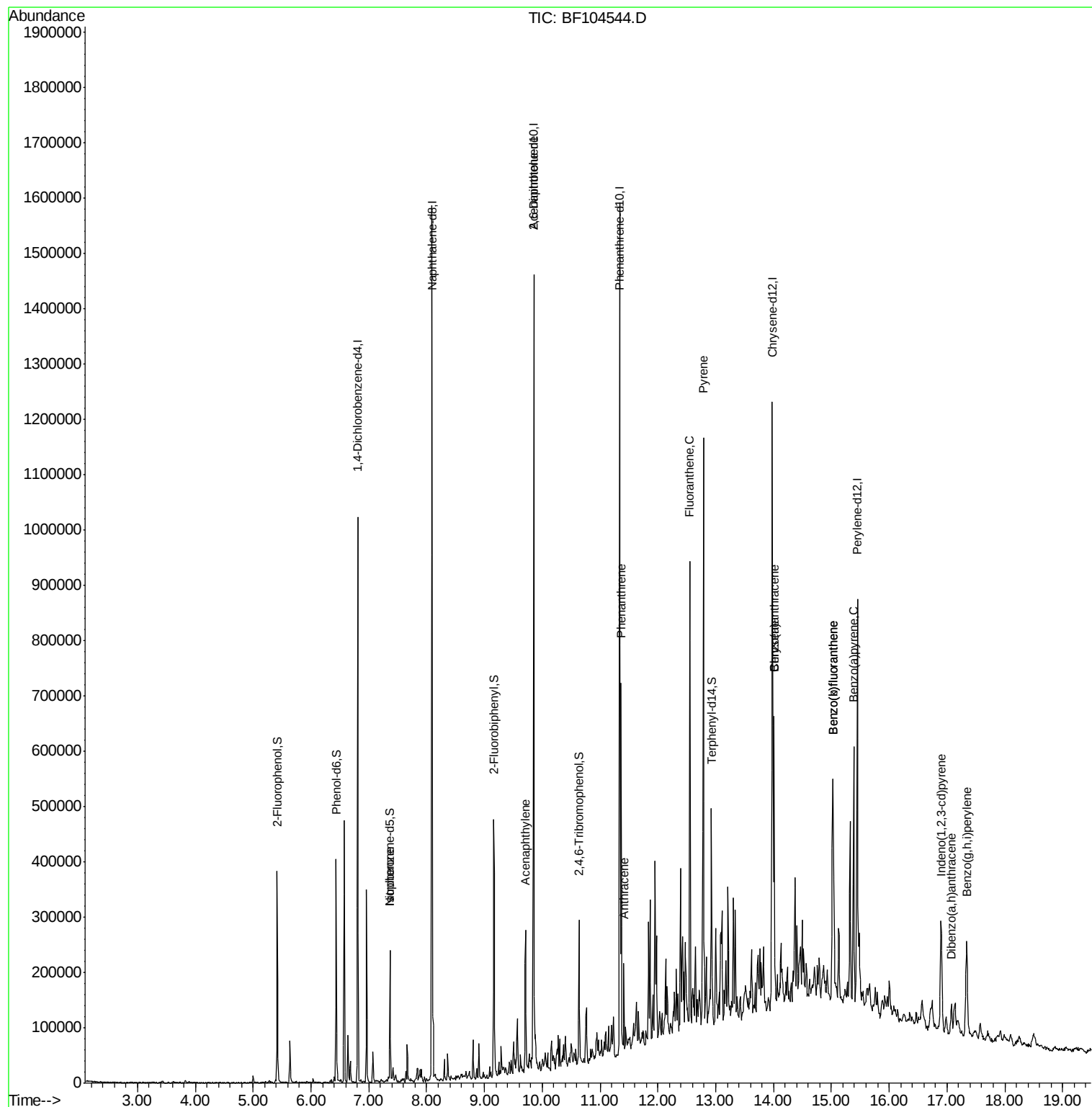
						Qvalue
9) Benzaldehyde	6.36	77	559	Below Cal	#	27
25) Isophorone	7.37	82	78922	3.648 ng	#	64
48) Acenaphthylene	9.71	152	104412	3.326 ng		98
50) 2,6-Dinitrotoluene	9.85	165	40425	9.189 ng	#	26
70) Phenanthrene	11.36	178	223505	7.882 ng		98
71) Anthracene	11.41	178	60449	2.097 ng		100
74) Fluoranthene	12.55	202	302160	10.199 ng		100
76) Benzydine	12.67	184	257	Below Cal	#	1
77) Pyrene	12.79	202	425389	19.148 ng		99
80) Benzo(a)anthracene	14.01	228	179151	10.005 ng		96
82) Chrysene	14.01	228	179151	9.741 ng		99
85) Indeno(1,2,3-cd)pyrene	16.90	276	121493	7.776 ng		95
87) Benzo(b)fluoranthene	15.03	252	294187	14.821 ng	#	95
88) Benzo(k)fluoranthene	15.03	252	294187	15.698 ng		98
89) Benzo(a)pyrene	15.39	252	190251	10.712 ng		97
90) Dibenzo(a,h)anthracene	17.07	278	31046	2.128 ng		93
91) Benzo(a,h,i)perylene	17.34	276	128672	9.105 ng		97

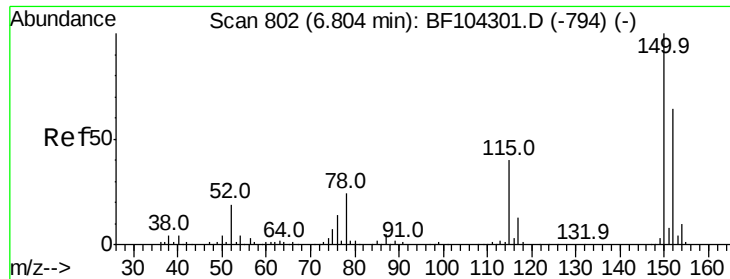
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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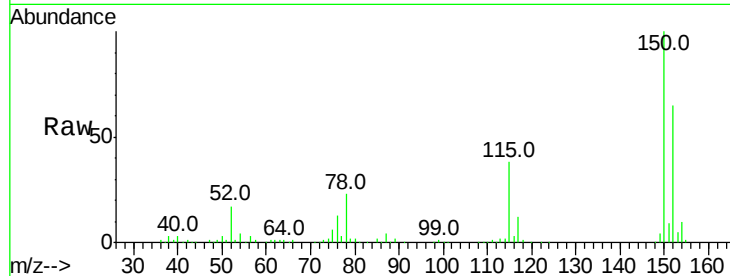


#1

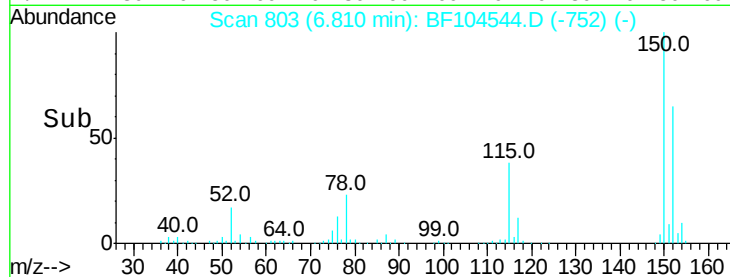
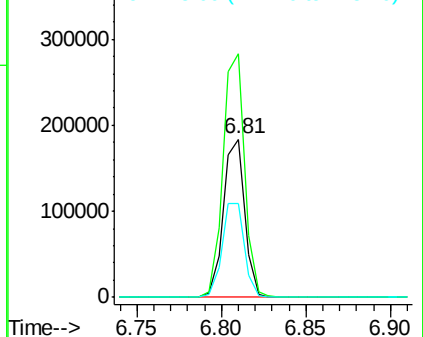
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF104544.D
 Acq: 16 Apr 2018 20:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 161899
 Ion Ratio Lower Upper
 152 100
 150 154.1 124.6 186.8
 115 59.2 50.1 75.1



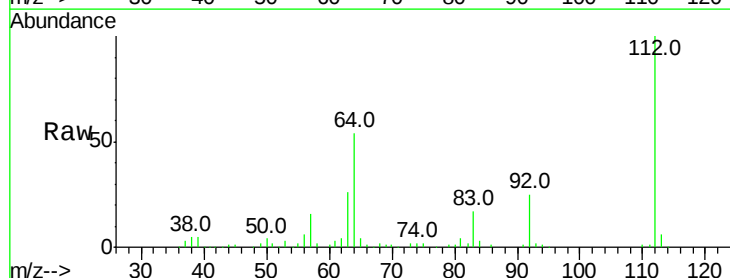
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



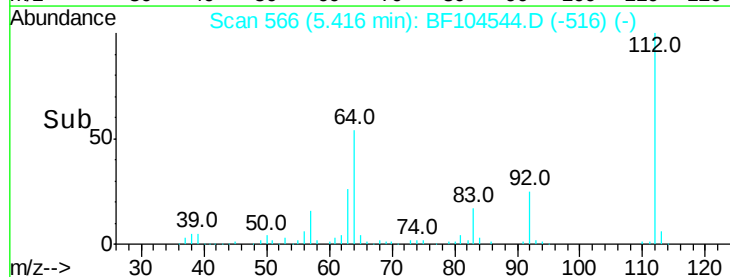
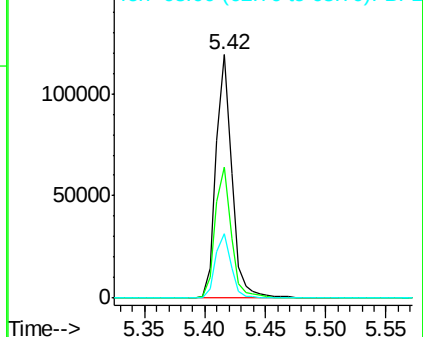
#5

2-Fluorophenol
 Concen: 10.144 ng
 RT: 5.42 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: BF104544.D
 Acq: 16 Apr 2018 20:27

Tgt Ion:112 Resp: 107404
 Ion Ratio Lower Upper
 112 100
 64 53.6 47.9 71.9
 63 26.3 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: 10.385 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF104544.D

Acq: 16 Apr 2018 20:27

Instrument :

BNA_F

ClientSampleId :

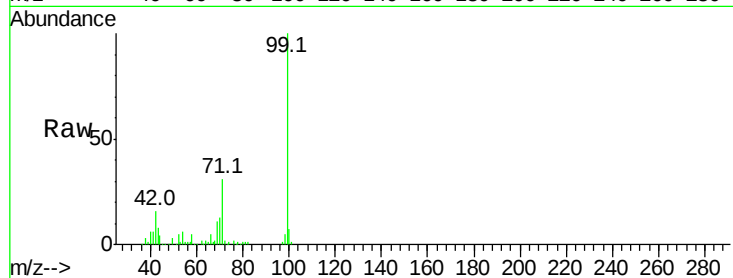
Tot Ion: 99 Resp: 135097

Ion Ratio Lower Upper

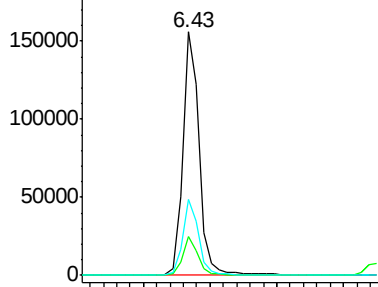
99 100

42 15.7 14.5 21.7

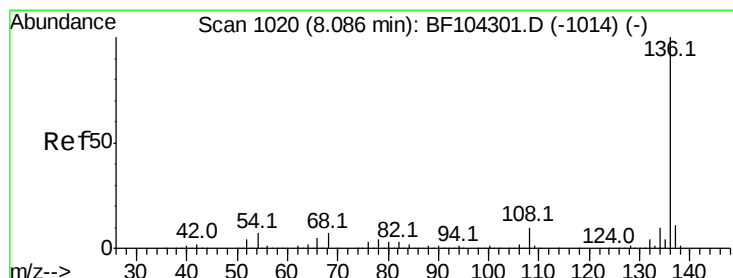
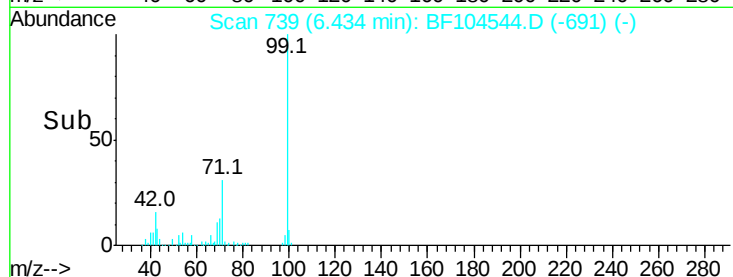
71 31.0 25.4 38.0



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



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104544.D

Acq: 16 Apr 2018 20:27

Tgt Ion: 136 Resp: 667965

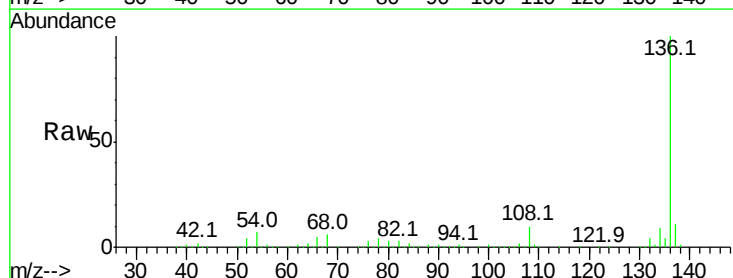
Ion Ratio Lower Upper

136 100

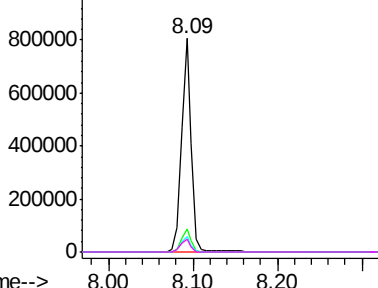
137 10.9 8.9 13.3

54 7.2 6.6 9.8

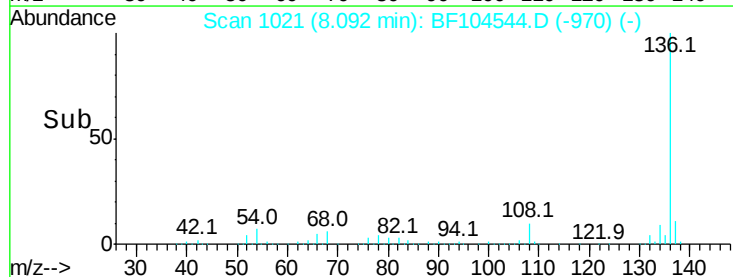
68 6.2 5.0 7.4

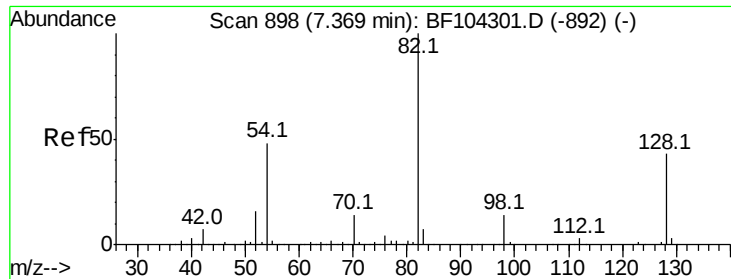


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



Time-->

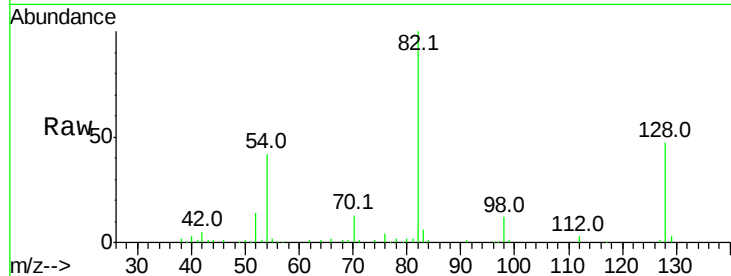




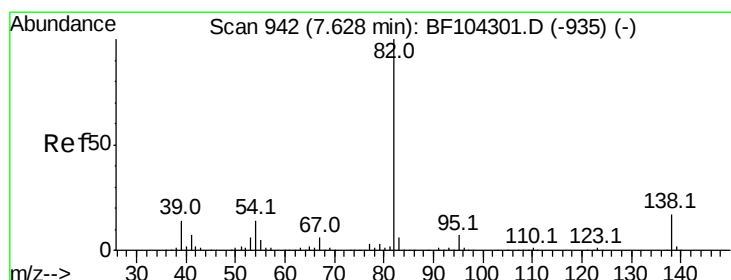
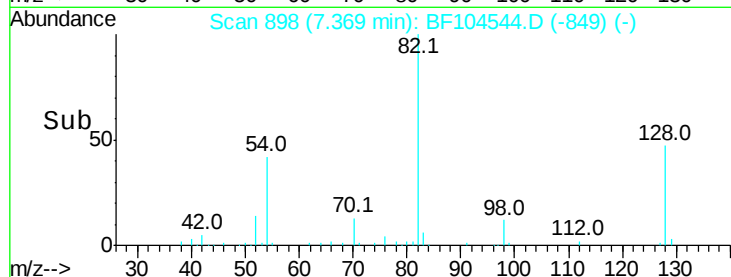
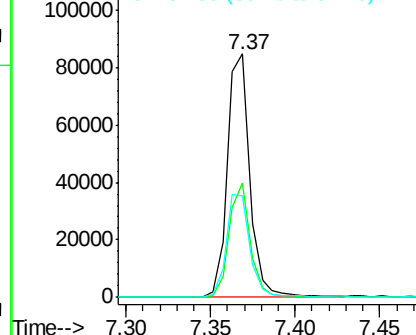
#23
Nitrobenzene-d5
Concen: 7.715 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104544.D
Acq: 16 Apr 2018 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 78923
Ion Ratio Lower Upper
82 100
128 47.0 36.1 54.1
54 41.8 41.4 62.2

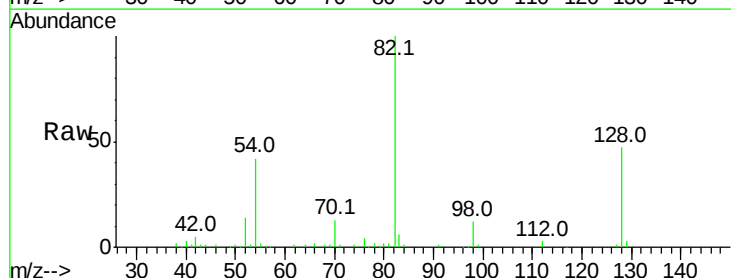


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

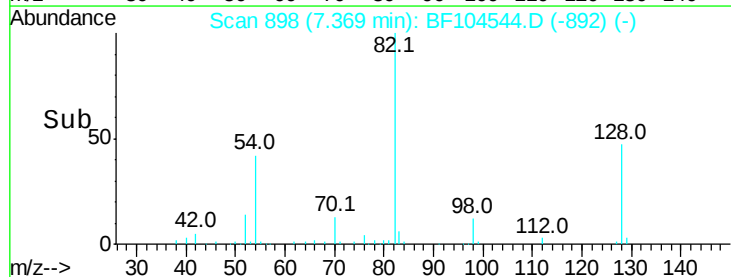
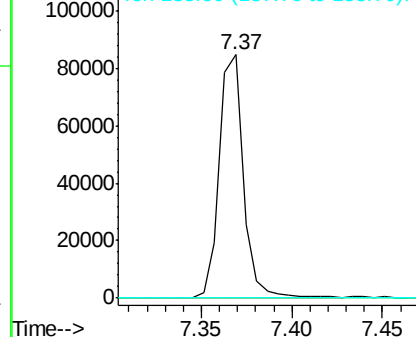


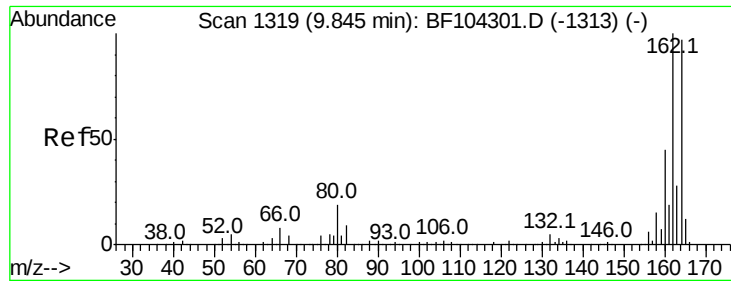
#25
Isophorone
Concen: 3.648 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104544.D
Acq: 16 Apr 2018 20:27

Tgt Ion: 82 Resp: 78922
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

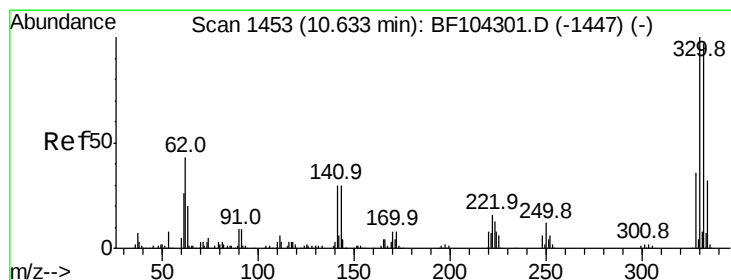
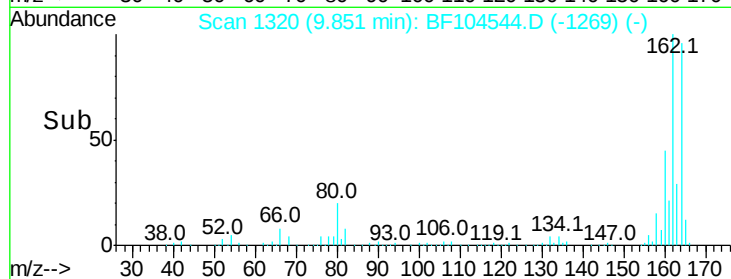
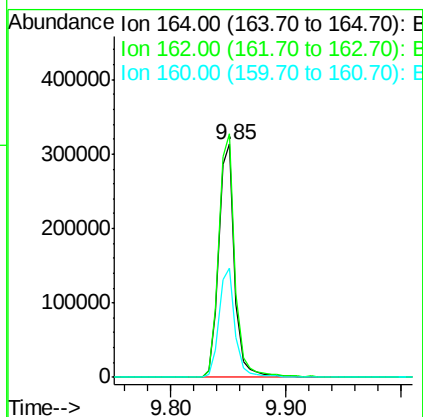
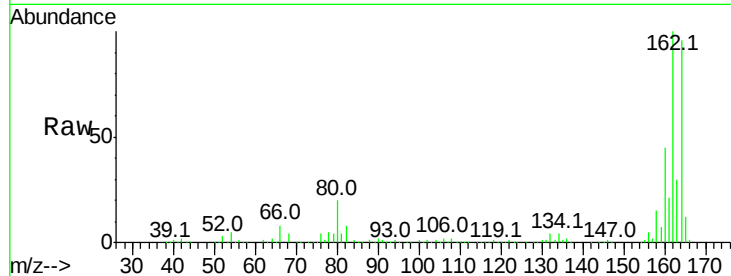




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: BF104544.D
 Acq: 16 Apr 2018 20:27

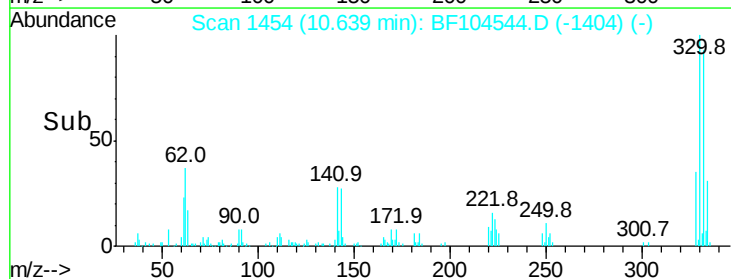
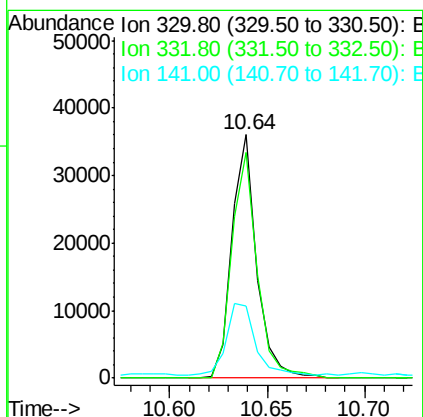
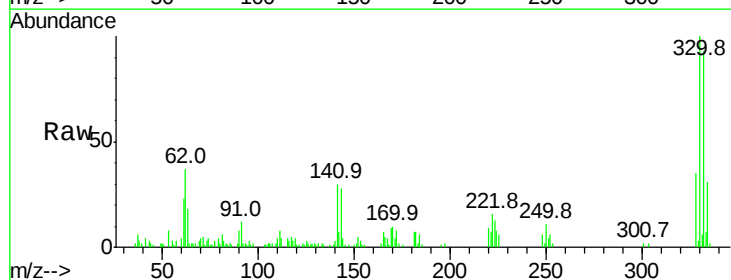
Instrument :
 BNA_F
 ClientSampleId :

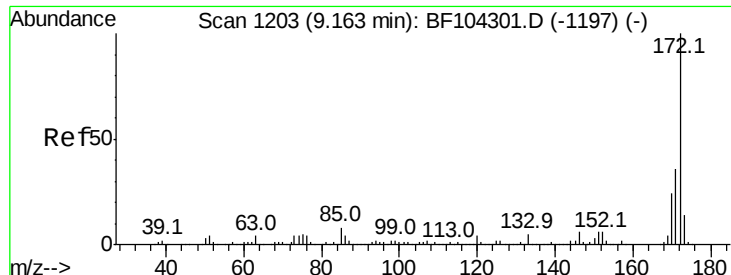
Tot Ion:164 Resp: 301494
 Ion Ratio Lower Upper
 164 100
 162 104.5 86.1 129.1
 160 47.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 10.130 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104544.D
 Acq: 16 Apr 2018 20:27

Tgt Ion:330 Resp: 31680
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 38.1 29.9 44.9

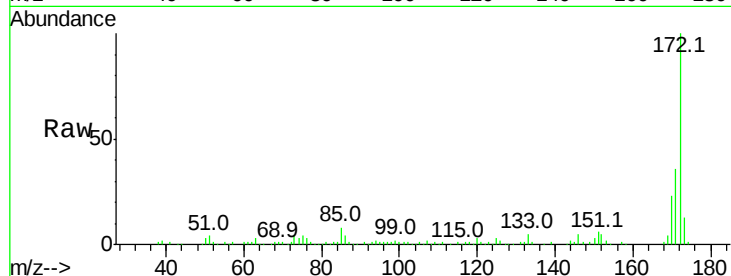




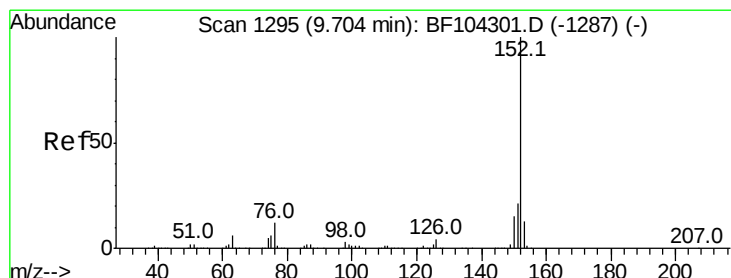
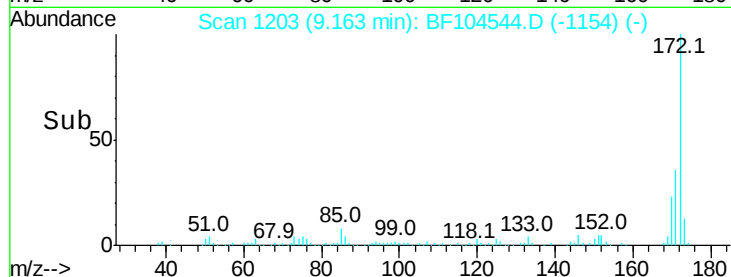
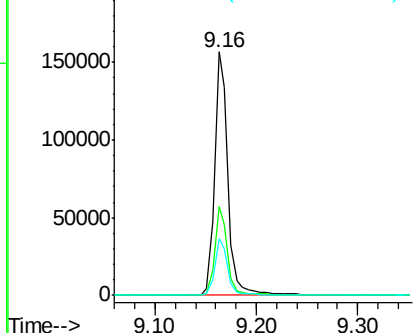
#44
2-Fluorobiphenyl
Concen: 7.559 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104544.D
Acq: 16 Apr 2018 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 144263
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 23.4 19.6 29.4

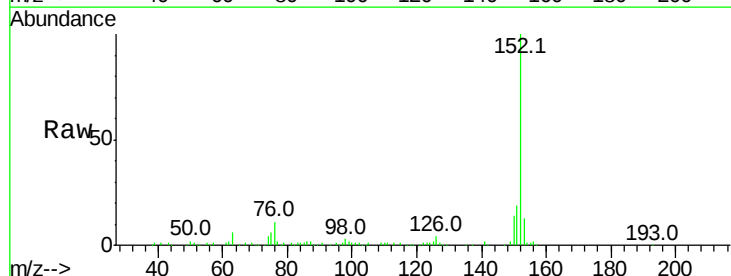


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

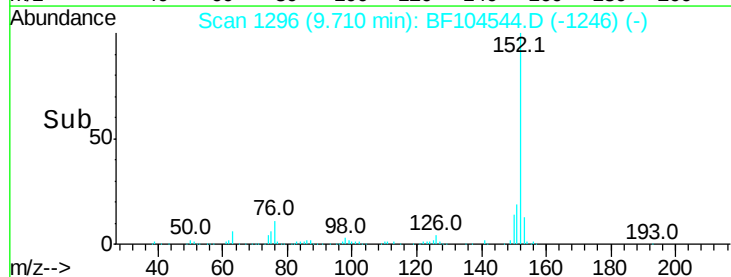
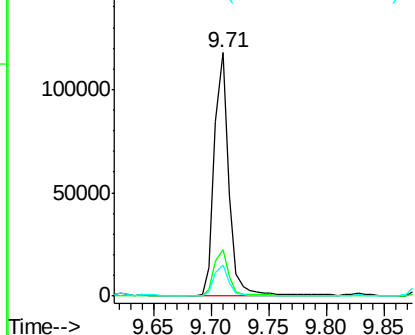


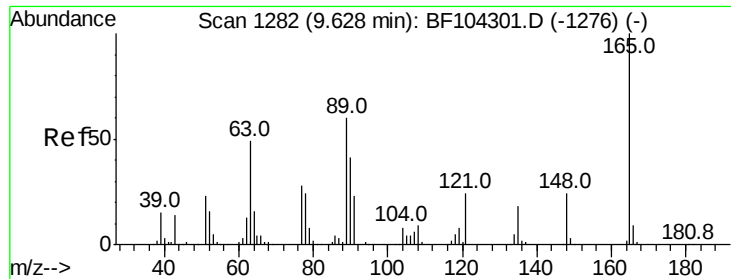
#48
Acenaphthylene
Concen: 3.326 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104544.D
Acq: 16 Apr 2018 20:27

Tgt Ion:152 Resp: 104412
Ion Ratio Lower Upper
152 100
151 19.0 16.3 24.5
153 12.7 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

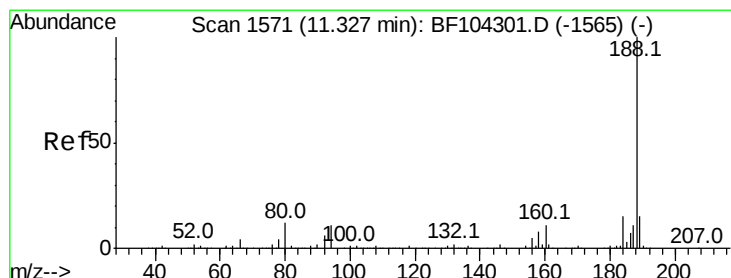
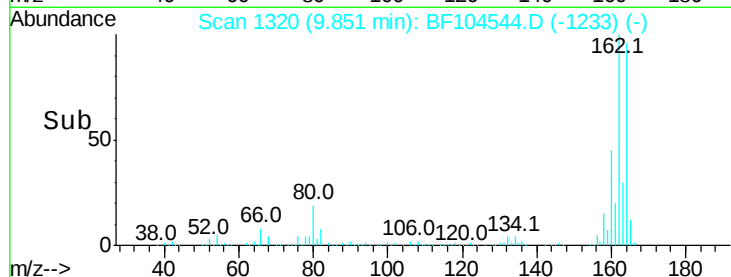
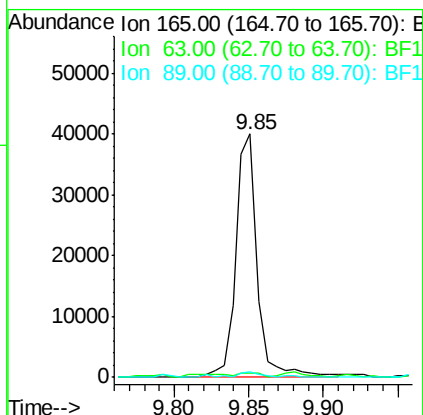
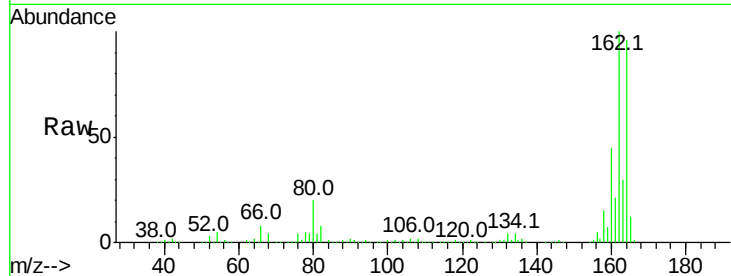




#50
 2,6-Dinitrotoluene
 Concen: 9.189 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF104544.D
 Acq: 16 Apr 2018 20:27

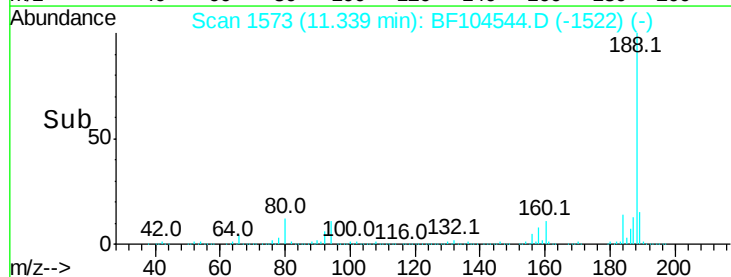
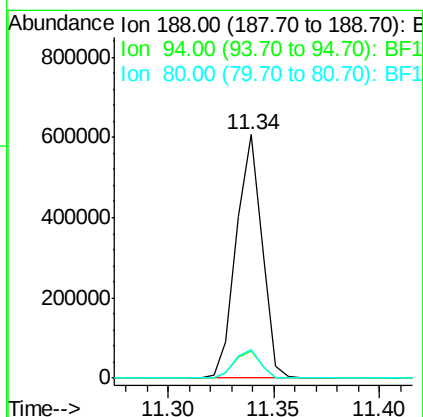
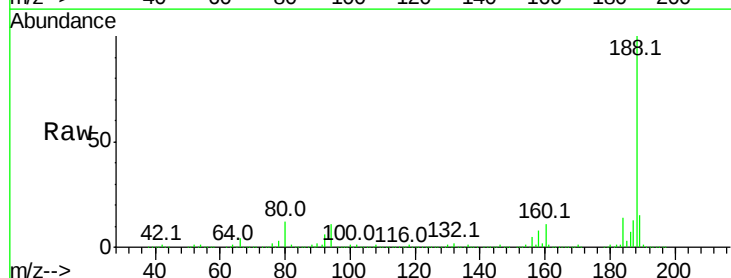
Instrument :
 BNA_F
 ClientSampled :

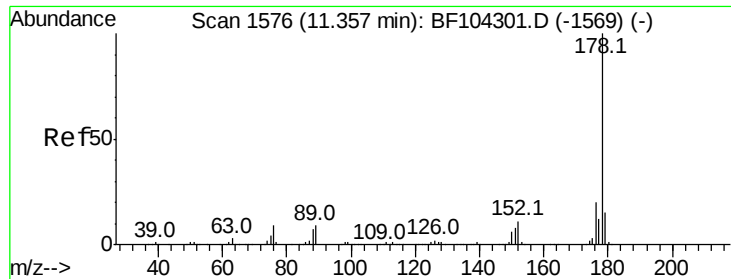
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	2.2	44.0	66.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF104544.D
 Acq: 16 Apr 2018 20:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.8	9.2	13.8





#70

Phenanthrene

Concen: 7.882 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF104544.D

Acq: 16 Apr 2018 20:27

Instrument :

BNA_F

ClientSampleId :

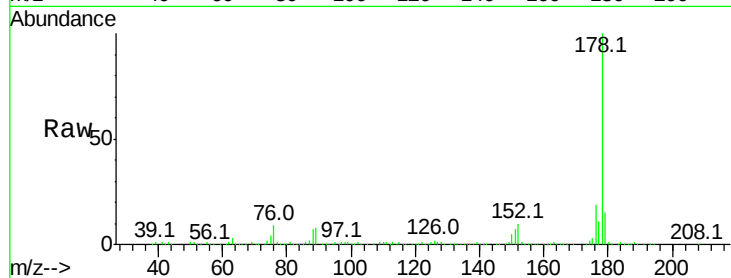
Tot Ion:178 Resp: 223505

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.0	13.0	19.6

178 100

176 19.1 15.8 23.8

179 15.0 13.0 19.6

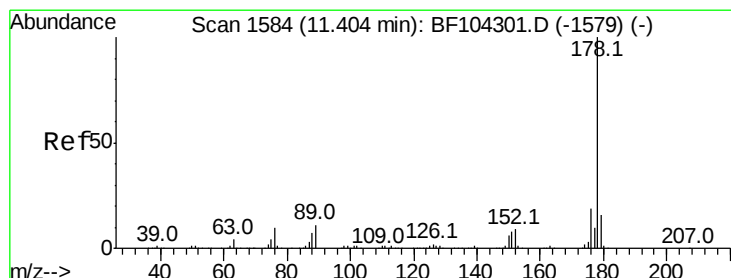
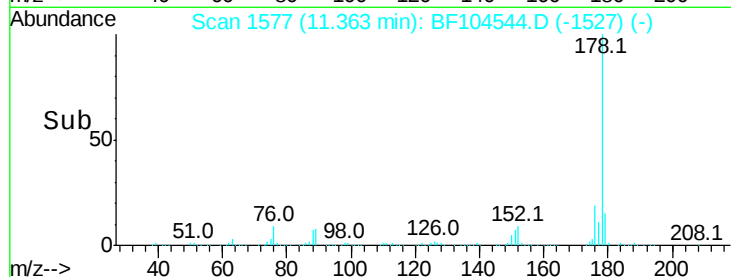
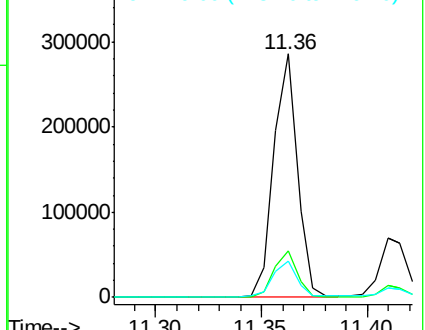


Abundance

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: 2.097 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF104544.D

Acq: 16 Apr 2018 20:27

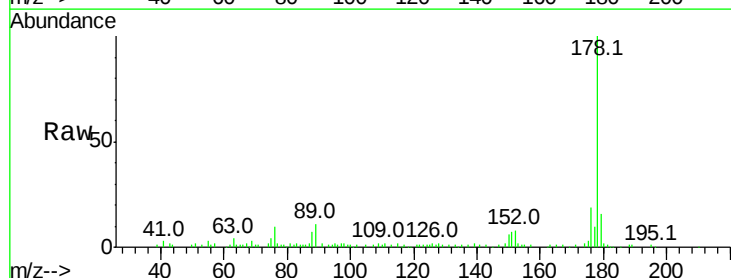
Tgt Ion:178 Resp: 60449

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.8	12.6	19.0

178 100

176 19.0 15.4 23.2

179 15.8 12.6 19.0

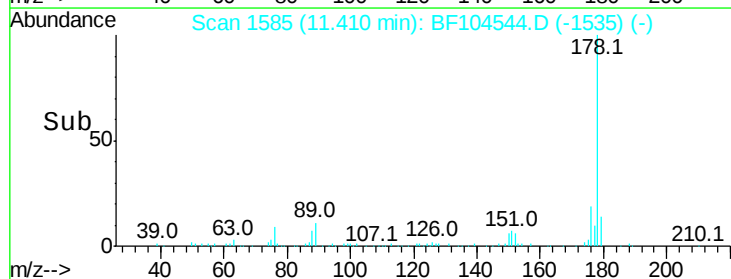
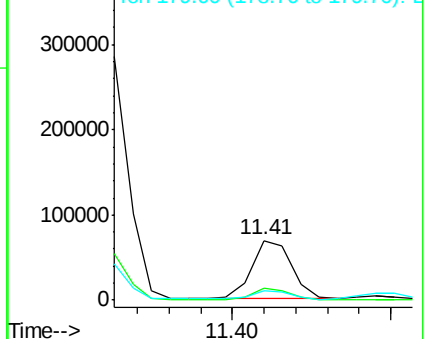


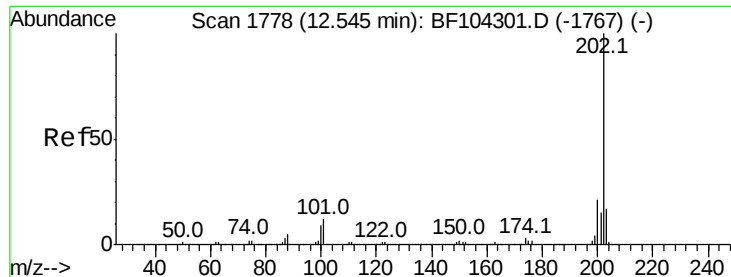
Abundance

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: 10.199 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF104544.D

Acq: 16 Apr 2018 20:27

Instrument :

BNA_F

ClientSampleId :

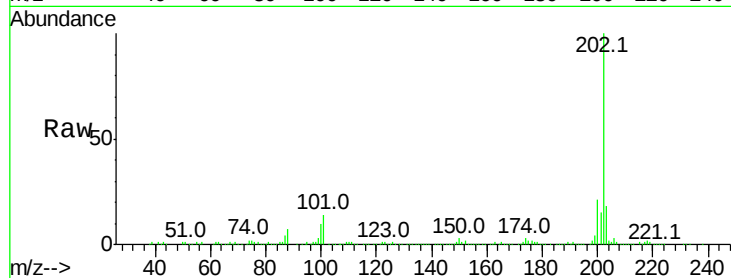
Tot Ion:202 Resp: 302160

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

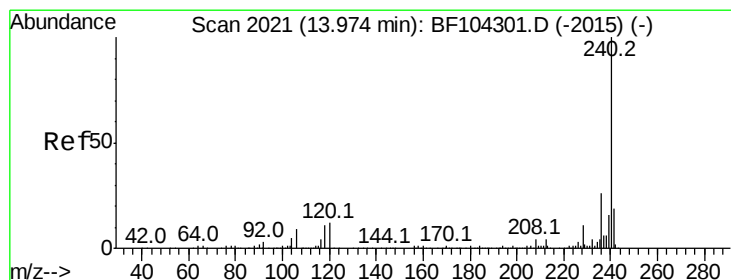
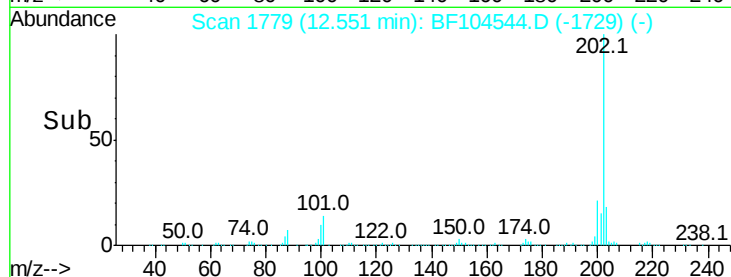
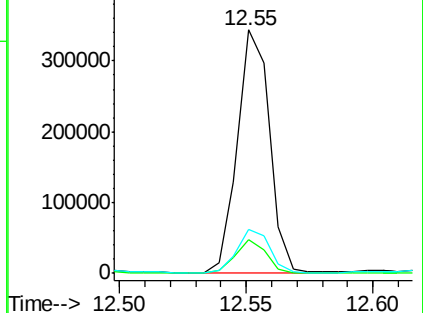
203 18.1 0.0 38.1



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: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104544.D

Acq: 16 Apr 2018 20:27

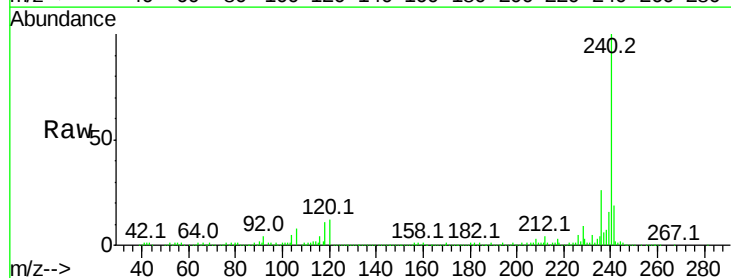
Tgt Ion:240 Resp: 299719

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

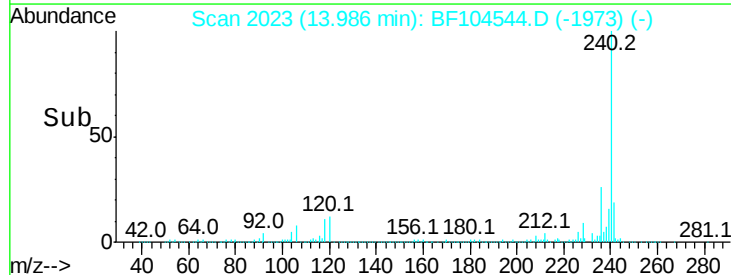
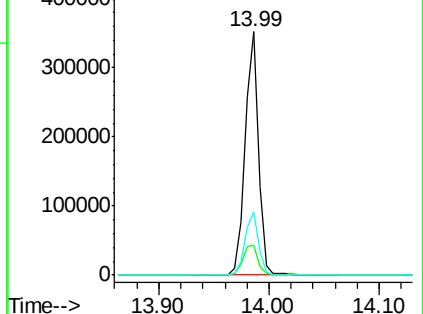
236 25.9 20.7 31.1

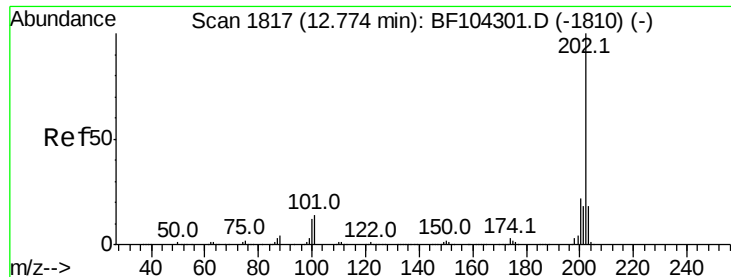


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.148 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF104544.D

Acq: 16 Apr 2018 20:27

Instrument :

BNA_F

ClientSampleId :

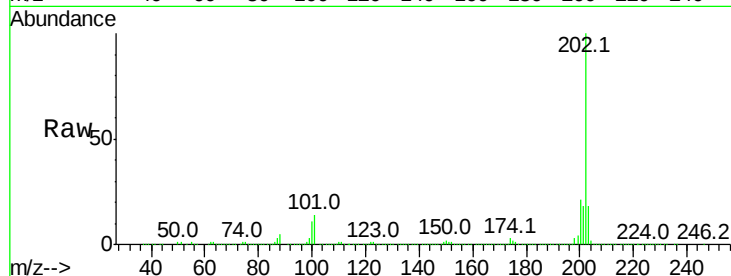
Tot Ion:202 Resp: 425389

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

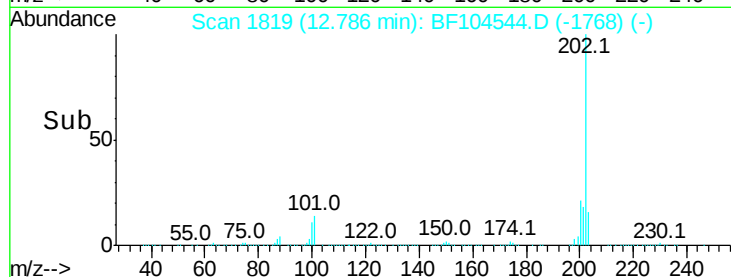
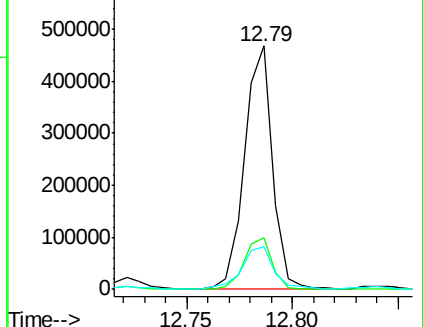
203 17.6 14.3 21.5



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: 8.275 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF104544.D

Acq: 16 Apr 2018 20:27

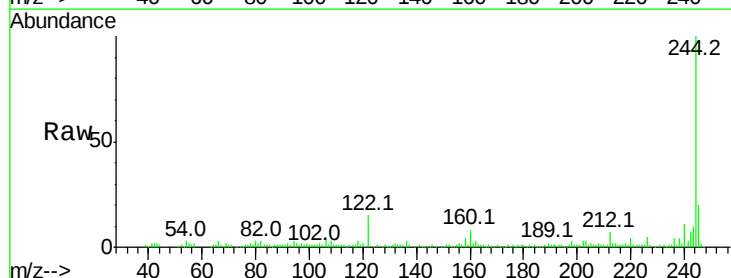
Tgt Ion:244 Resp: 108787

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

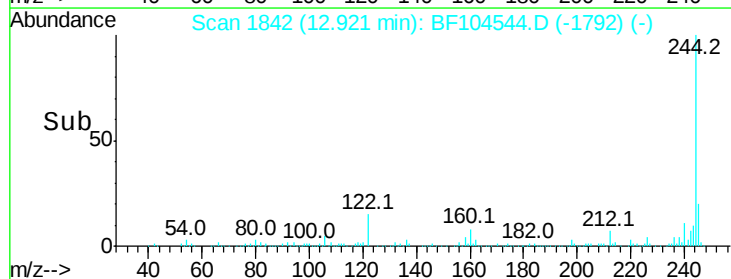
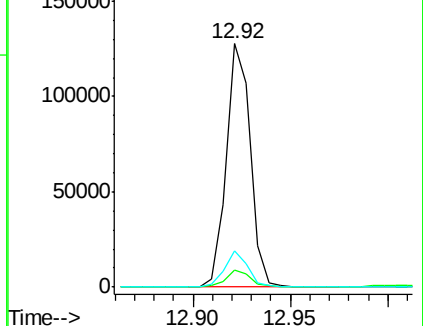
122 14.7 11.0 16.4

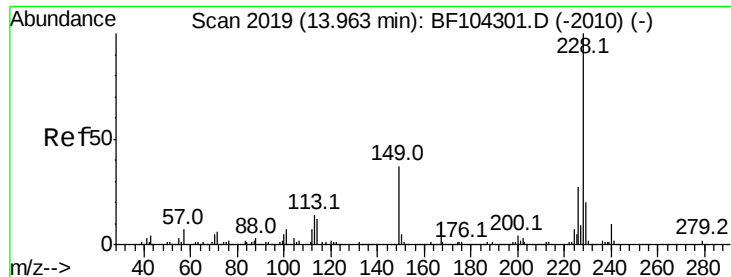


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.005 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.03 min

Lab File: BF104544.D

Acq: 16 Apr 2018 20:27

Instrument :

BNA_F

ClientSampled :

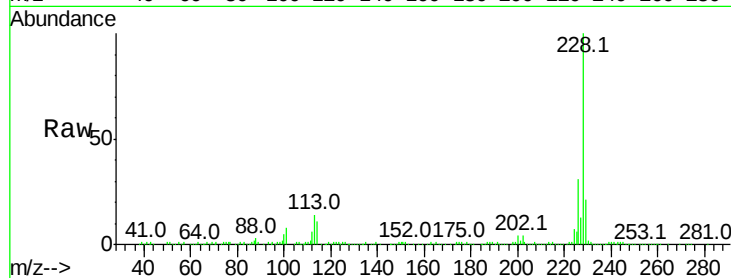
Tot Ion:228 Resp: 179151

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

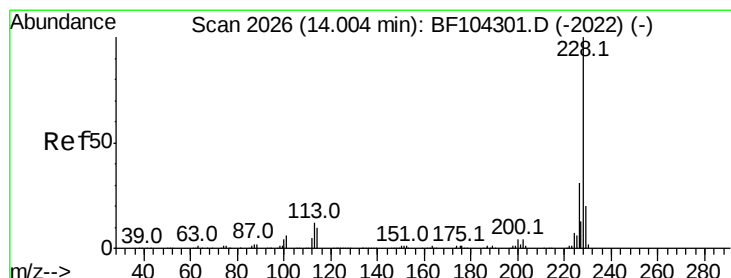
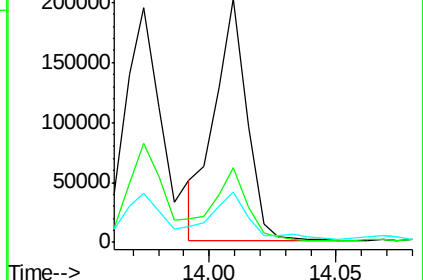
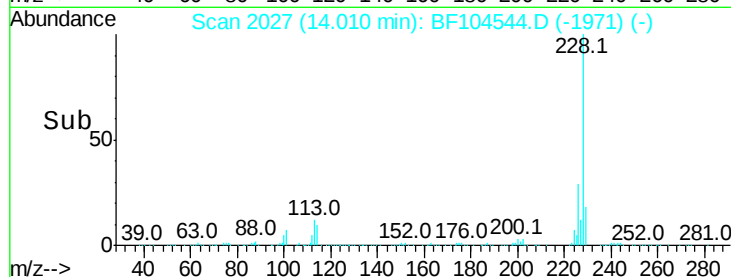
229 20.7 15.8 23.6



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: 9.741 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF104544.D

Acq: 16 Apr 2018 20:27

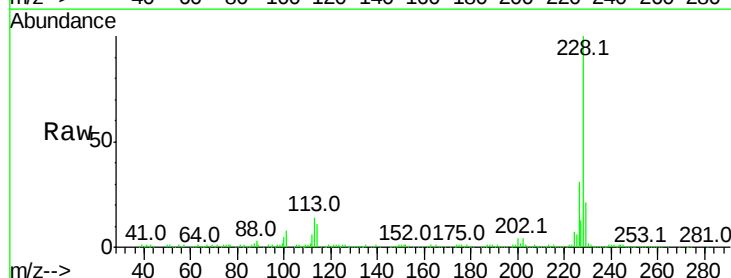
Tgt Ion:228 Resp: 179151

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

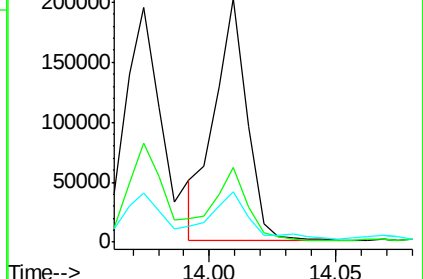
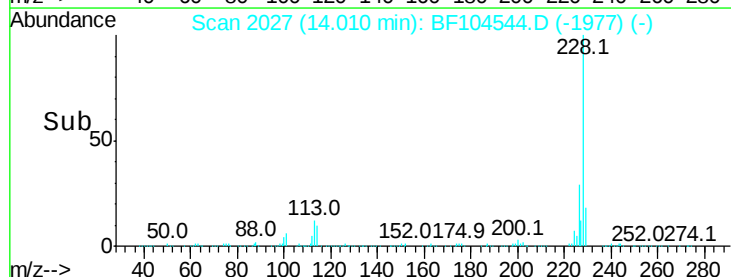
229 20.7 16.2 24.4

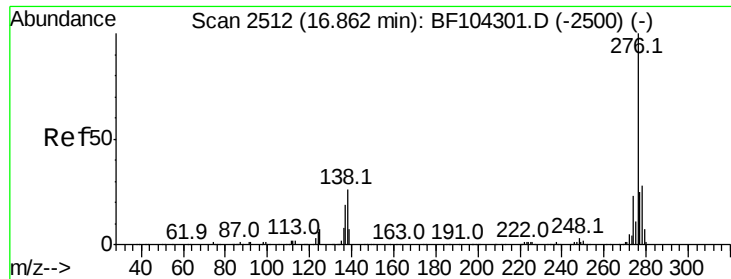


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

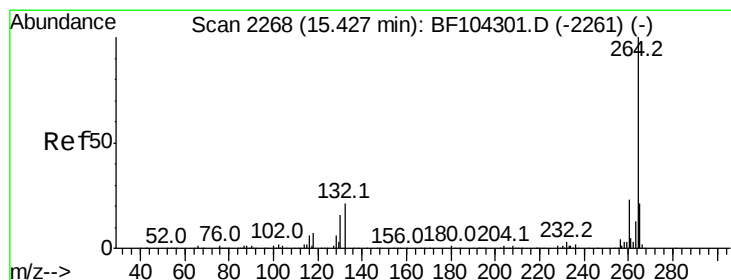
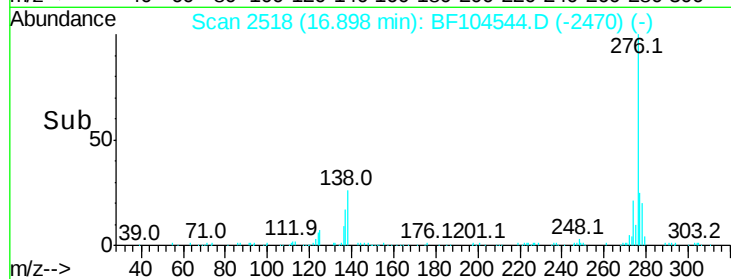
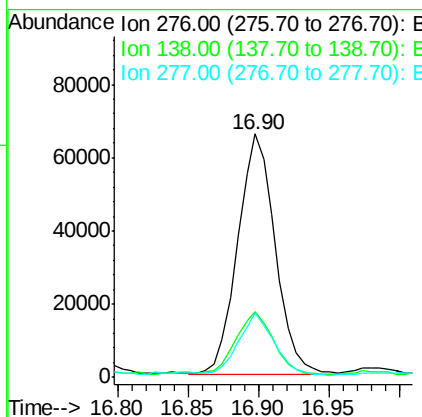
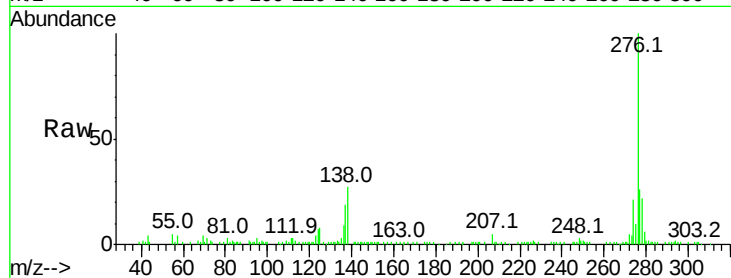




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.776 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BF104544.D
 Acq: 16 Apr 2018 20:27

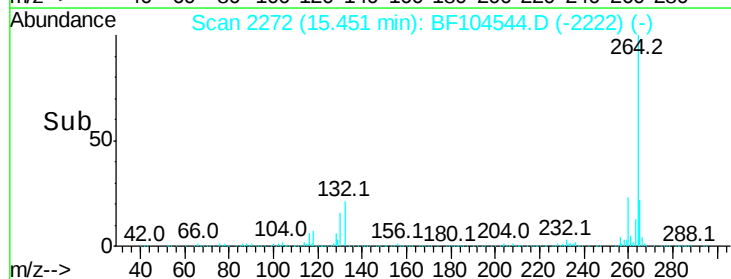
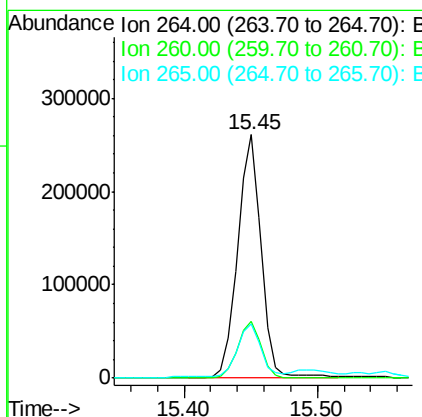
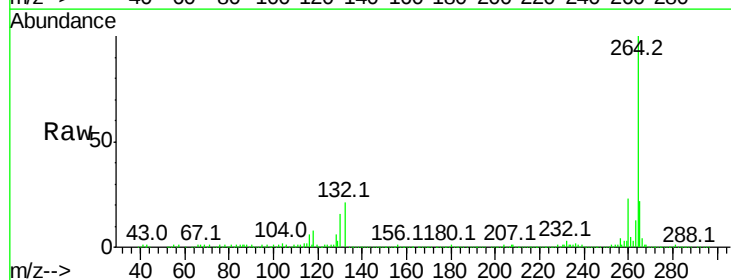
Instrument :
 BNA_F
 ClientSampleId :

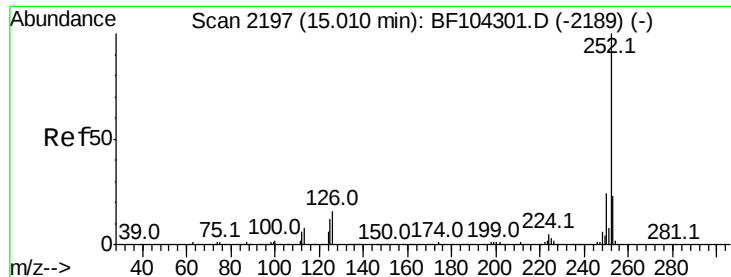
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.6	25.0	37.6
277	24.7	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104544.D
 Acq: 16 Apr 2018 20:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 14.821 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF104544.D

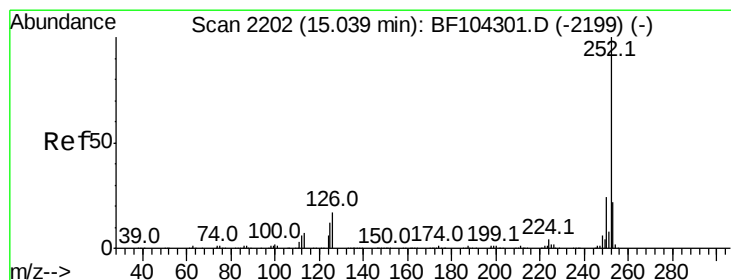
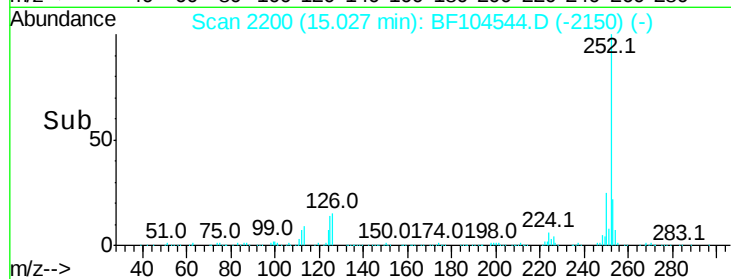
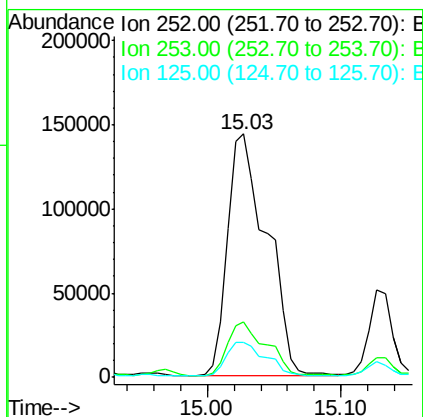
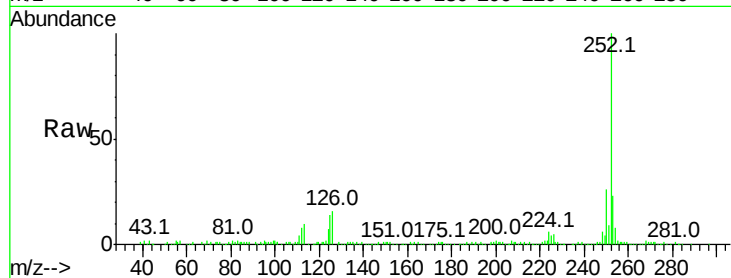
Acq: 16 Apr 2018 20:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	294187
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.0 25.6
125	14.4	9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 15.698 ng

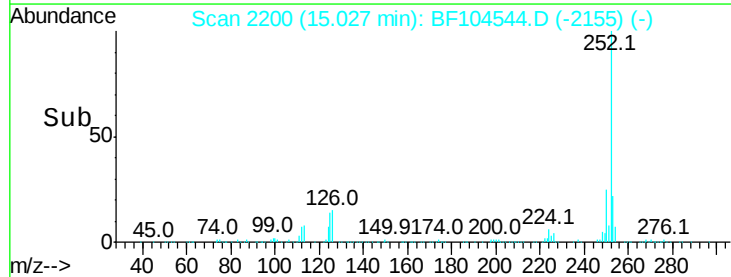
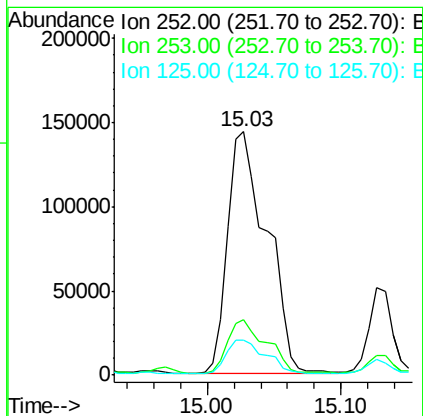
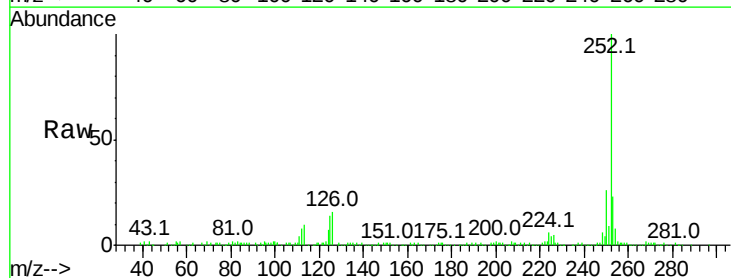
RT: 15.03 min Scan# 2200

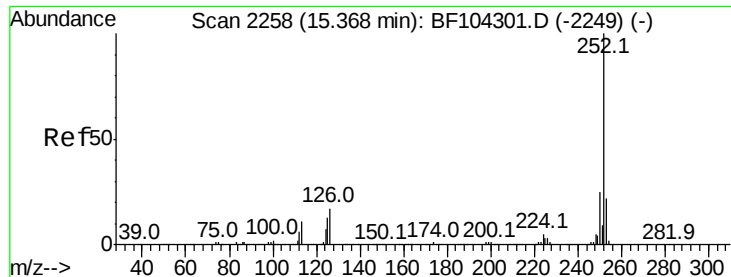
Delta R.T. -0.04 min

Lab File: BF104544.D

Acq: 16 Apr 2018 20:27

Tgt Ion:252	Resp:	294187
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.9 26.9
125	14.4	10.2 15.2

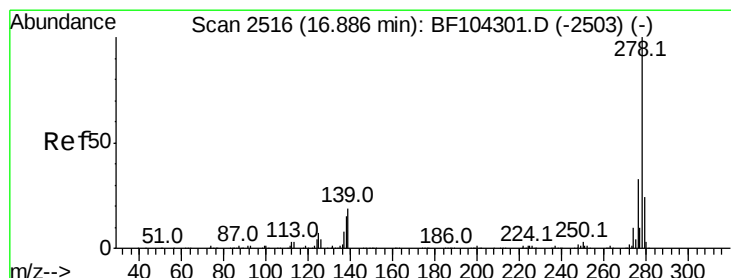
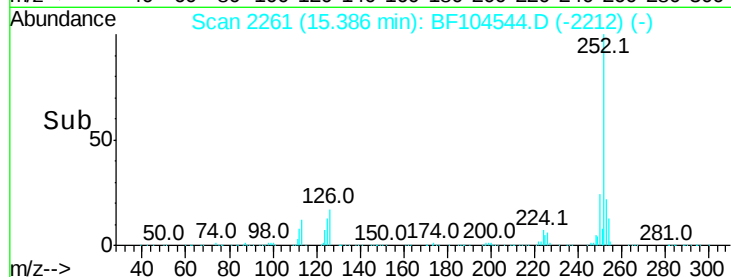
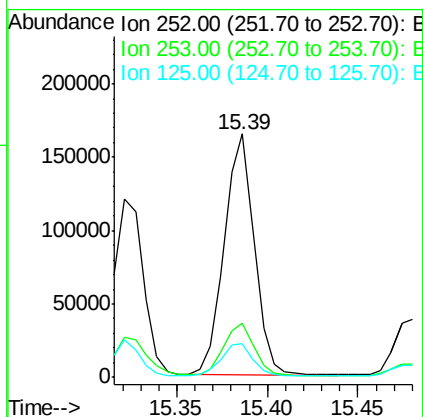
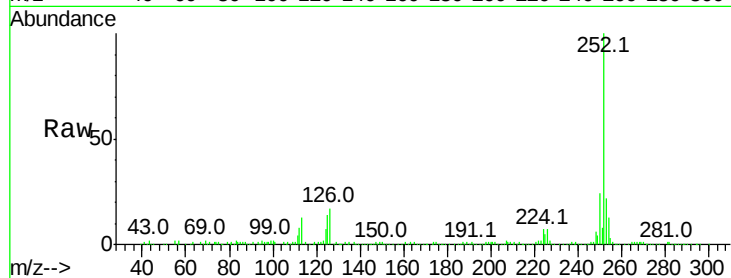




#89
Benzo(a)pyrene
Concen: 10.712 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104544.D
Acq: 16 Apr 2018 20:27

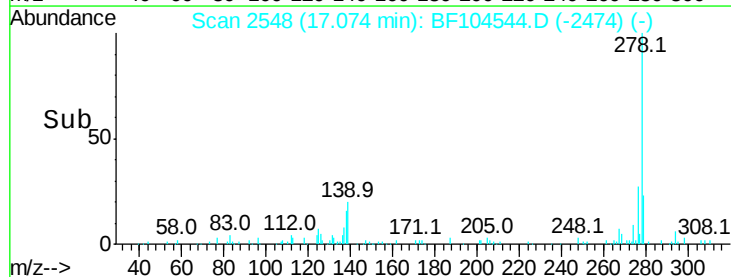
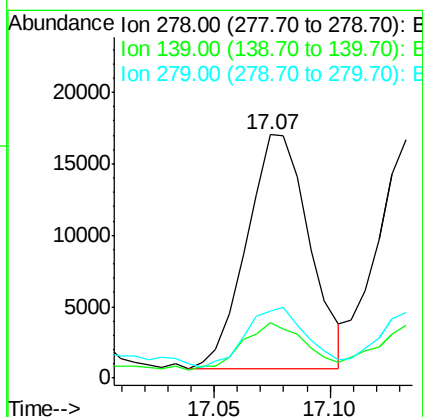
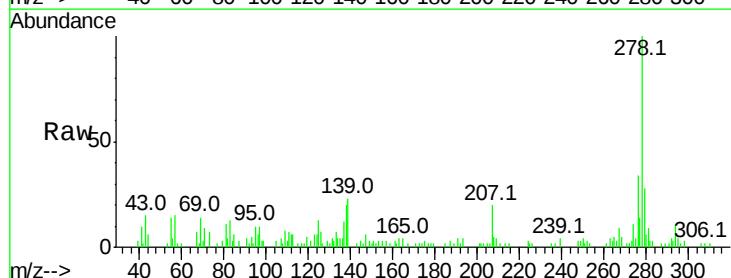
Instrument :
BNA_F
ClientSampleId :

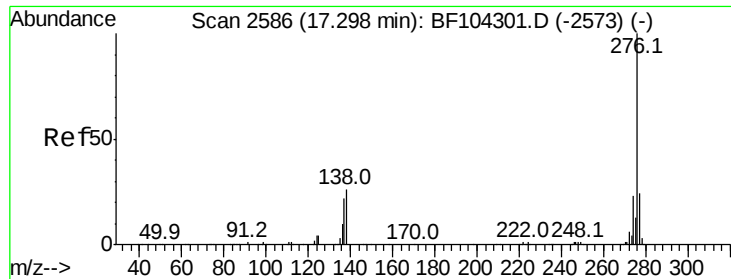
Tot Ion:252 Resp: 190251
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 13.8 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 2.128 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.14 min
Lab File: BF104544.D
Acq: 16 Apr 2018 20:27

Tgt Ion:278 Resp: 31046
Ion Ratio Lower Upper
278 100
139 23.0 15.9 23.9
279 27.6 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 9.105 ng

RT: 17.34 min Scan# 2593

Delta R.T. -0.02 min

Lab File: BF104544.D

Acq: 16 Apr 2018 20:27

Instrument :

BNA_F

ClientSampleId :

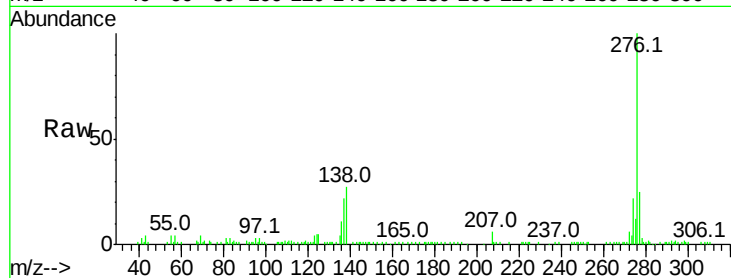
Tot Ion:276 Resp: 128672

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 27.0 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

