

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
 Data File : BF104669.D
 Acq On : 20 Apr 2018 13:01
 Operator : JU/SJ
 Sample : J2407-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-E

Quant Time: Apr 20 14:51:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 20 14:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	116333	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	462964	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	162133	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	292568	20.00	ng	0.00
75) Chrysene-d12	13.98	240	236453	20.00	ng	0.00
86) Perylene-d12	15.44	264	177591	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	715420	94.03	ng	0.00
7) Phenol-d6	6.44	99	872740	93.36	ng	0.00
23) Nitrobenzene-d5	7.37	82	534254	75.35	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	172623	102.64	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	824928	80.38	ng	0.00
78) Terphenyl-d14	12.92	244	659462	63.58	ng	0.00

Target Compounds

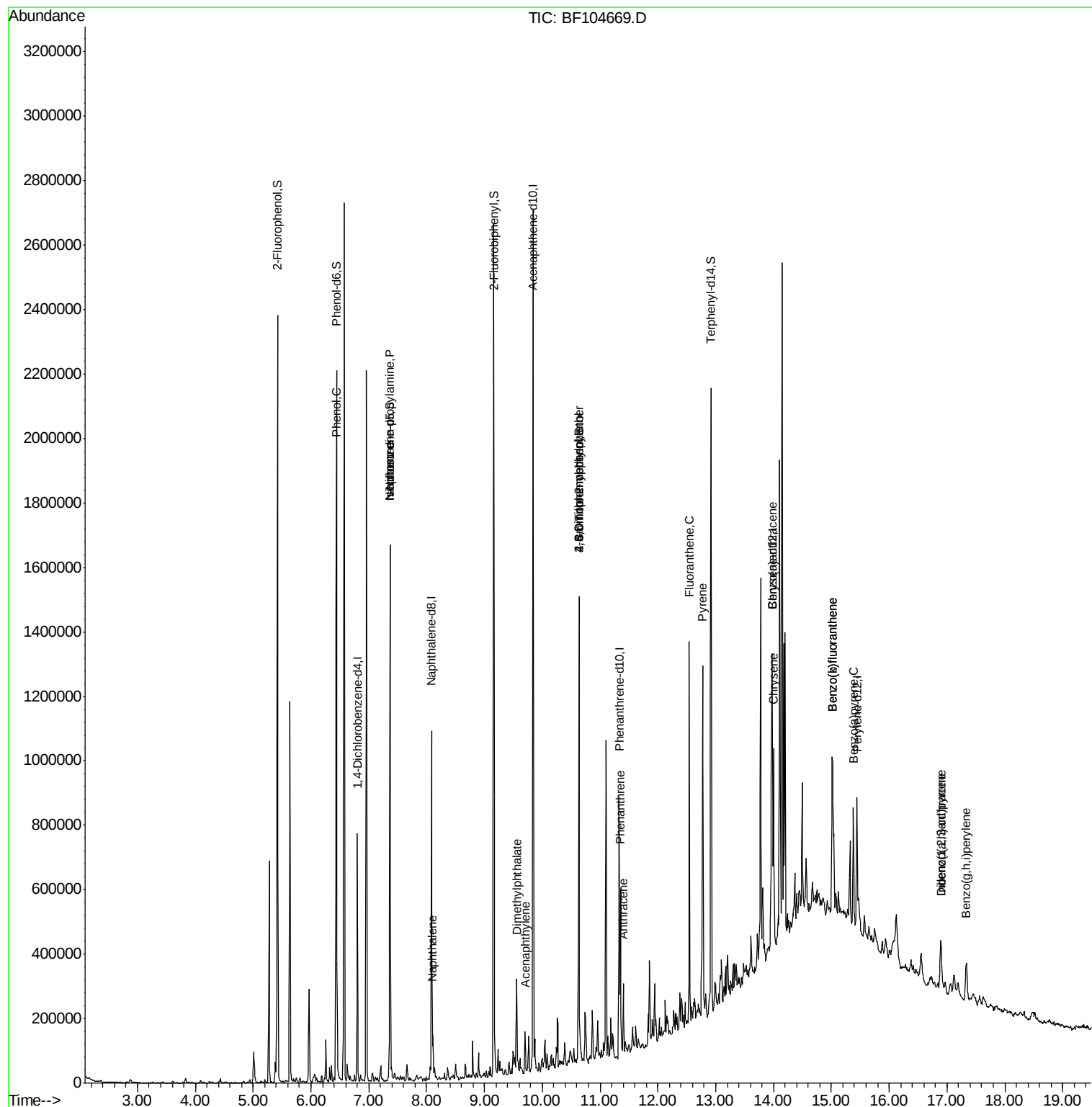
						Qvalue
9) Benzaldehyde	6.35	77	7733	Below Cal	#	63
10) Phenol	6.45	94	43758	4.412 ng		98
19) n-Nitroso-di-n-propylamine	7.37	70	71479	11.702 ng	#	71
25) Isophorone	7.37	82	531903	35.477 ng	#	64
31) Naphthalene	8.10	128	58954	2.557 ng		99
48) Acenaphthylene	9.70	152	45459	2.693 ng		98
49) Dimethylphthalate	9.56	163	99446	7.778 ng		99
64) 4,6-Dinitro-2-methylphenol	10.63	198	325	7.540 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	10735	3.450 ng	#	1
70) Phenanthrene	11.35	178	193496	11.876 ng		98
71) Anthracene	11.40	178	76254	4.604 ng		96
74) Fluoranthene	12.54	202	434530	25.526 ng		99
76) Benzidine	12.72	184	663	Below Cal	#	1
77) Pyrene	12.77	202	434457	24.788 ng		99
80) Benzo(a)anthracene	13.97	228	235325	16.659 ng		95
82) Chrysene	14.00	228	242175	16.691 ng		98
85) Indeno(1,2,3-cd)pyrene	16.89	276	97184	7.885 ng		94
87) Benzo(b)fluoranthene	15.02	252	362259	32.297 ng	#	95
88) Benzo(k)fluoranthene	15.02	252	362259	34.210 ng		98
89) Benzo(a)pyrene	15.38	252	158074	15.751 ng	#	94
90) Dibenzo(a,h)anthracene	16.90	278	28266	3.429 ng	#	86
91) Benzo(g,h,i)perylene	17.34	276	96209	12.048 ng		95

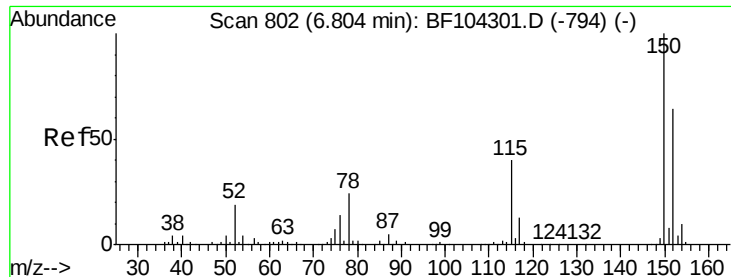
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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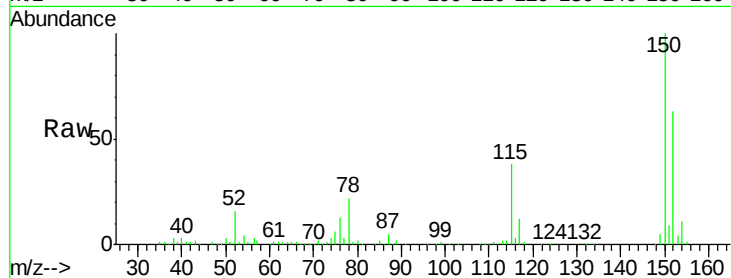


#1

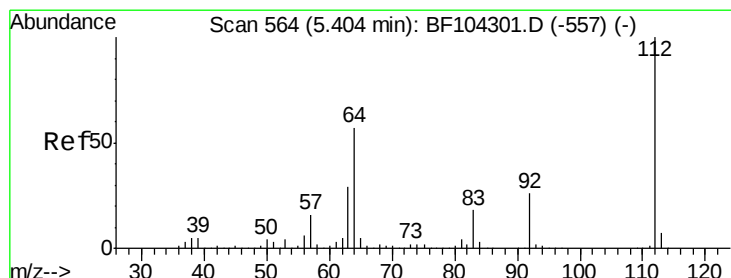
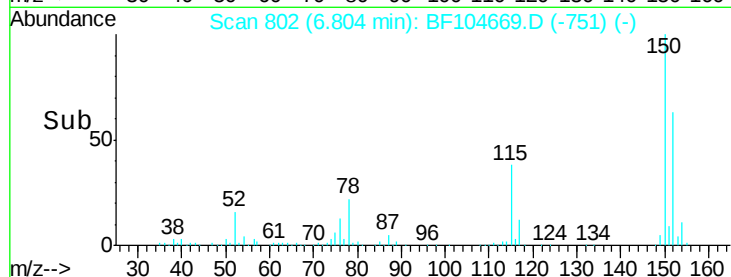
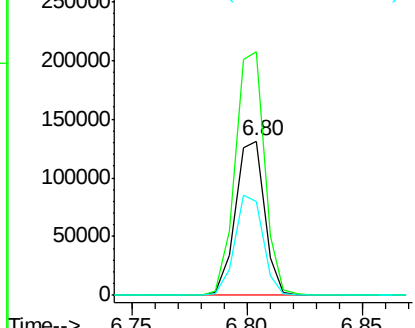
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-E

Tot Ion:152 Resp: 116333
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 60.4 50.1 75.1



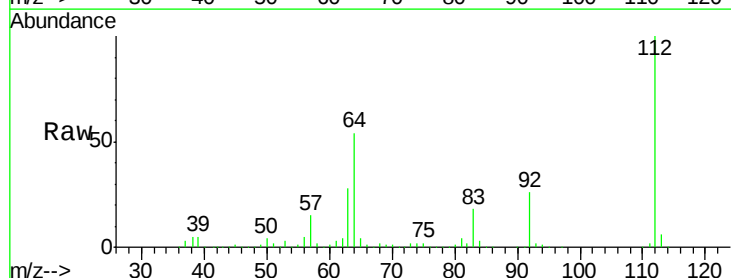
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



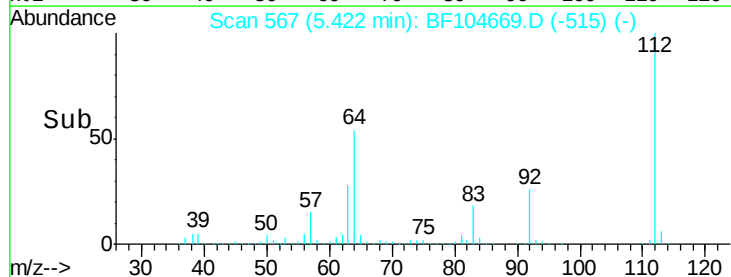
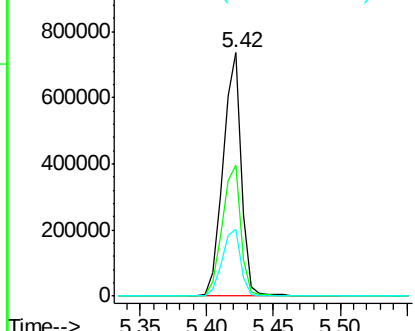
#5

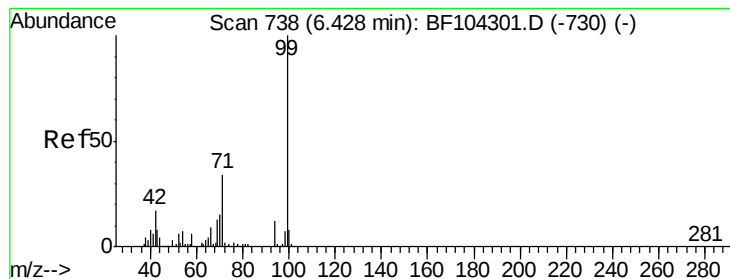
2-Fluorophenol
Concen: 94.033 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

Tgt Ion:112 Resp: 715420
Ion Ratio Lower Upper
112 100
64 54.0 47.9 71.9
63 27.6 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: 93.362 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104669.D

Acq: 20 Apr 2018 13:01

Instrument :

BNA_F

ClientSampleId :

SPOILS-ICTF-E

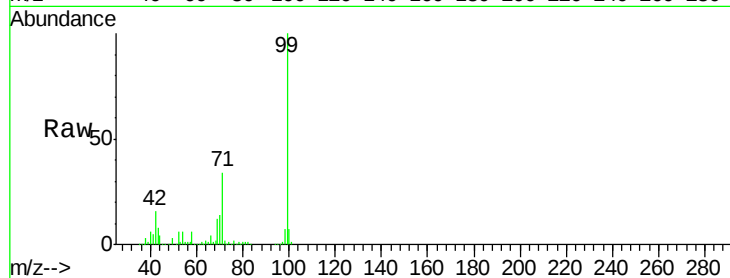
Tot Ion: 99 Resp: 872740

Ion Ratio Lower Upper

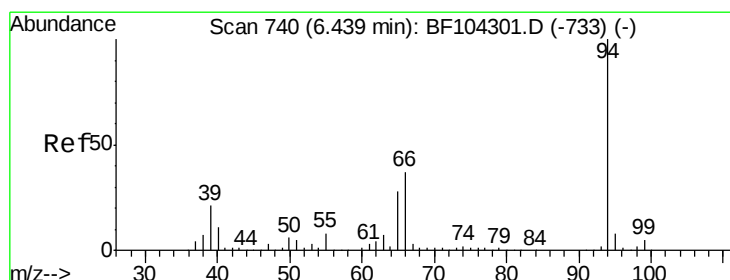
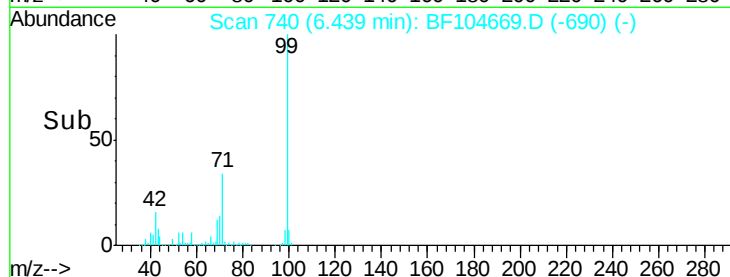
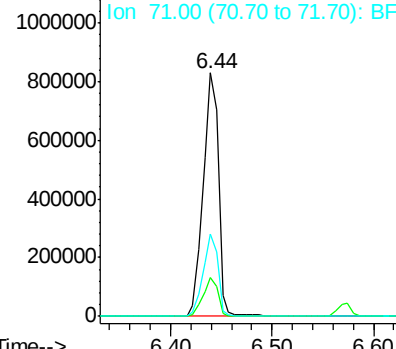
99 100

42 16.0 14.5 21.7

71 34.0 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



#10

Phenol

Concen: 4.412 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104669.D

Acq: 20 Apr 2018 13:01

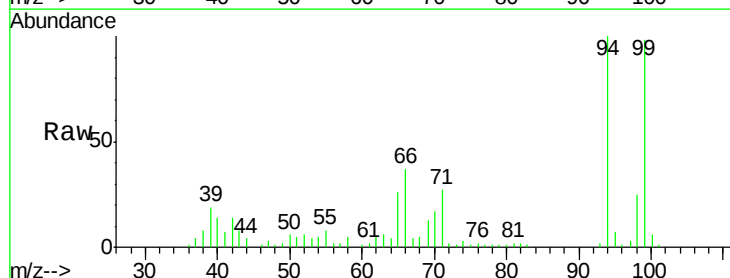
Tgt Ion: 94 Resp: 43758

Ion Ratio Lower Upper

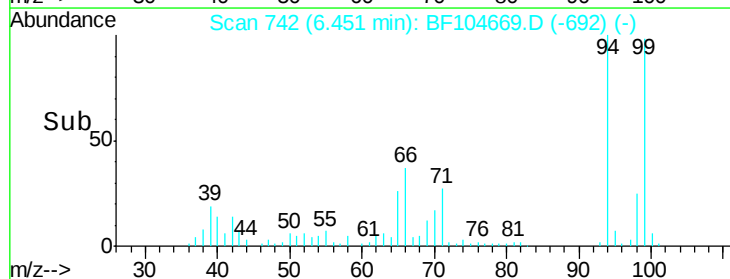
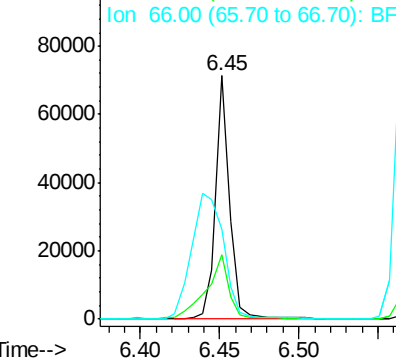
94 100

65 26.3 7.9 47.9

66 36.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

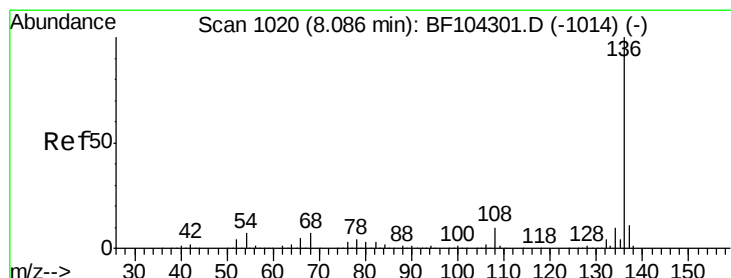
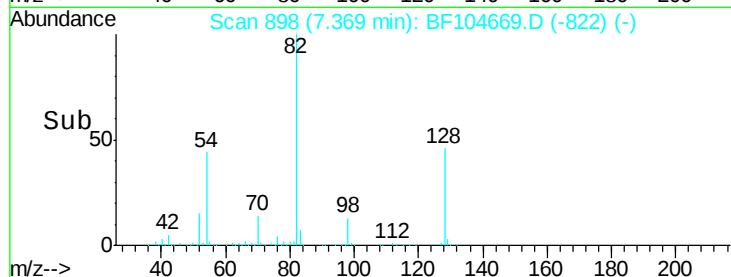
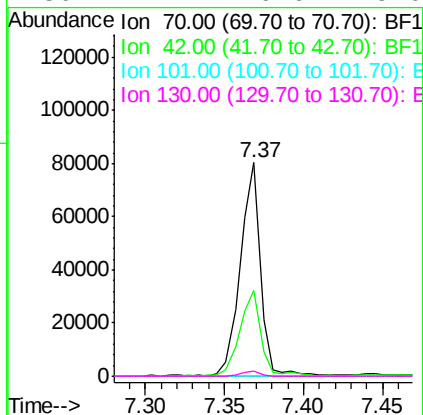
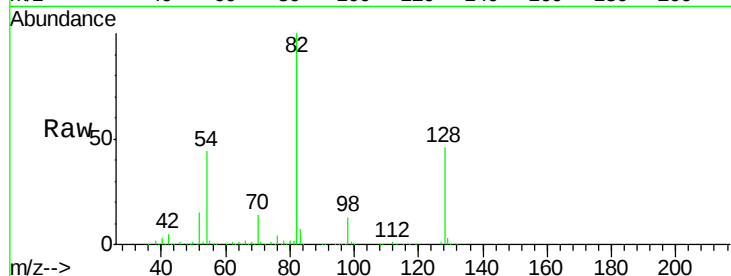




#19
n-Nitroso-di-n-propylamine
Concen: 11.702 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.15 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

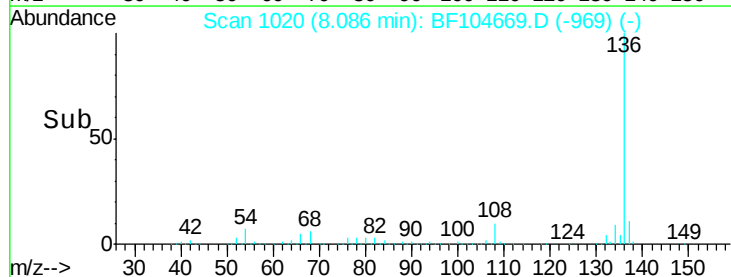
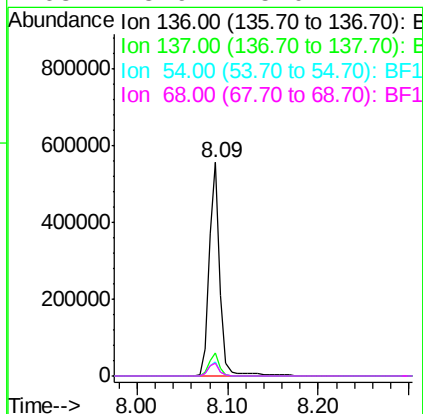
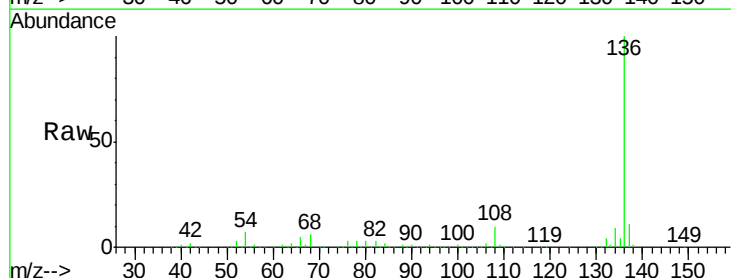
Instrument :
BNA_F
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SPOILS-ICTF-E

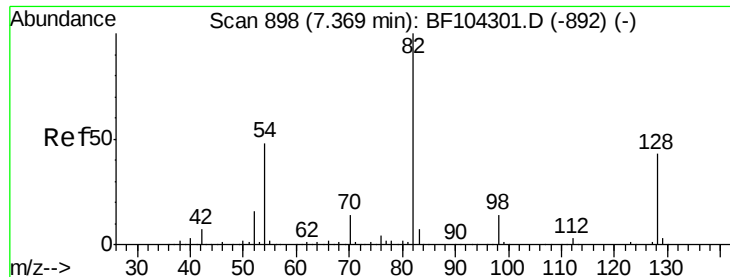
Tot Ion: 70 Resp: 71479
Ion Ratio Lower Upper
70 100
42 40.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

Tgt Ion: 136 Resp: 462964
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.6 6.6 9.8
68 5.9 5.0 7.4

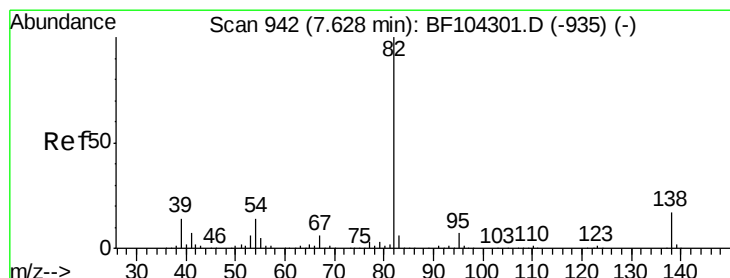
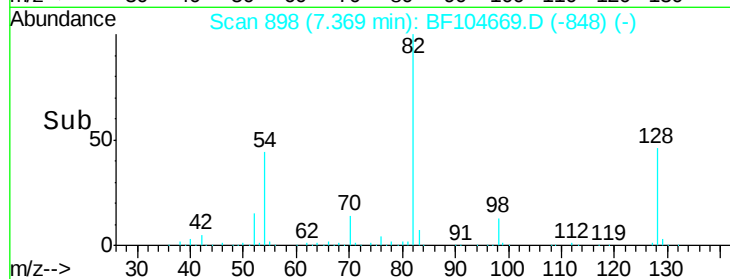
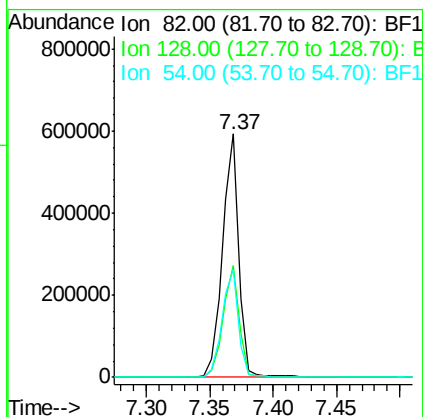
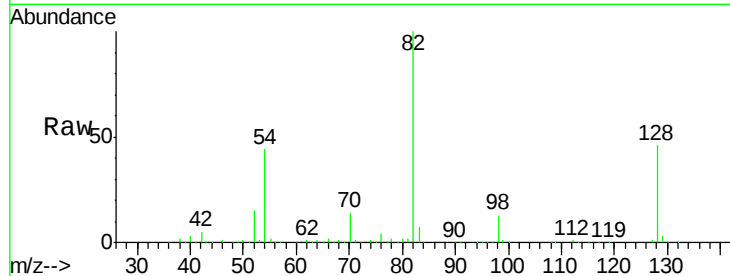




#23
Nitrobenzene-d5
Concen: 75.353 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

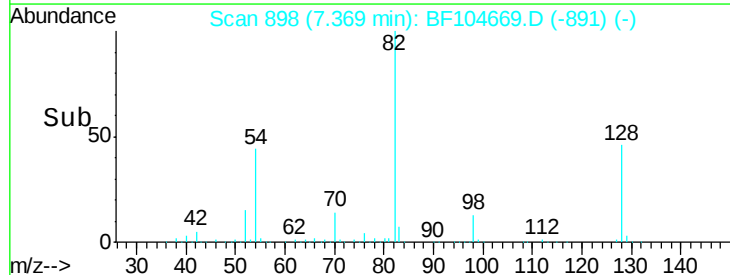
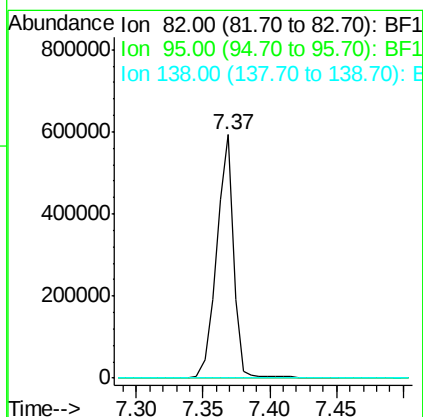
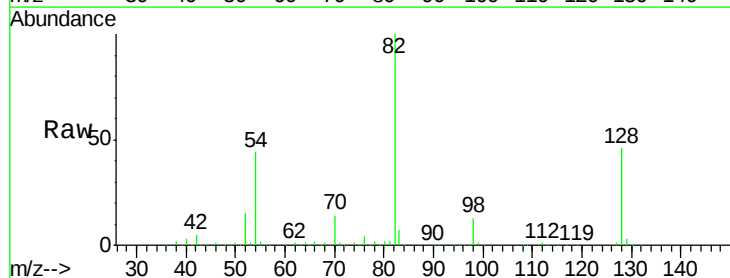
Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-E

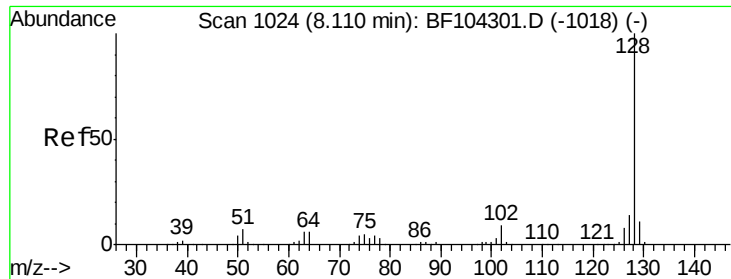
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	44.2	41.4	62.2



#25
Isophorone
Concen: 35.477 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#

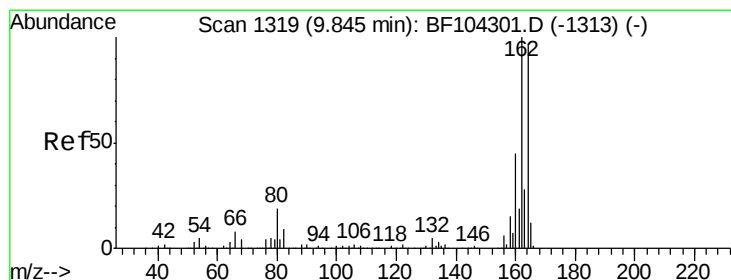
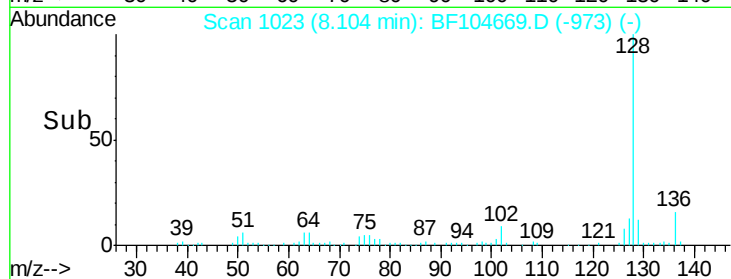
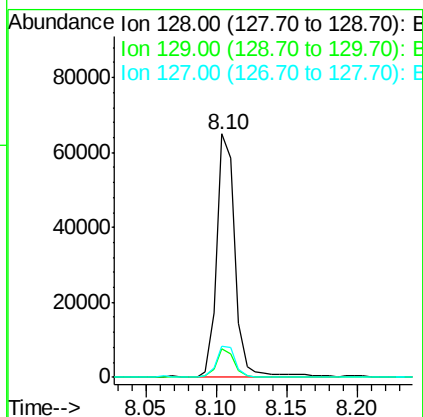
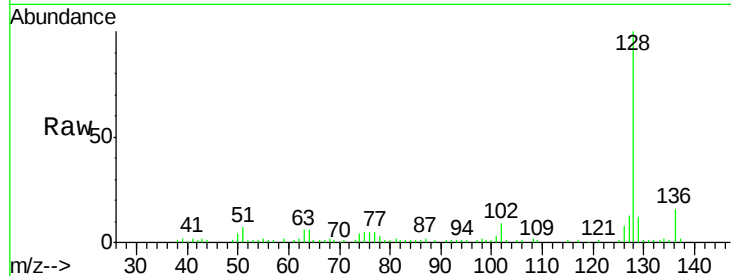




#31
Naphthalene
Concen: 2.557 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

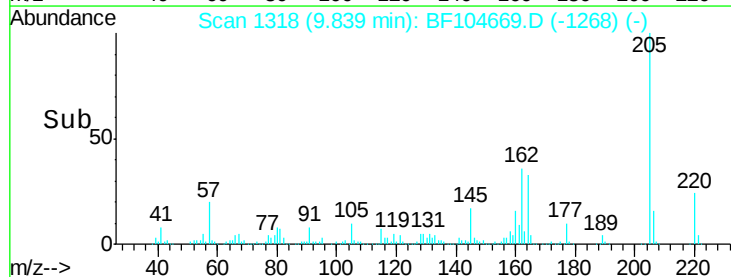
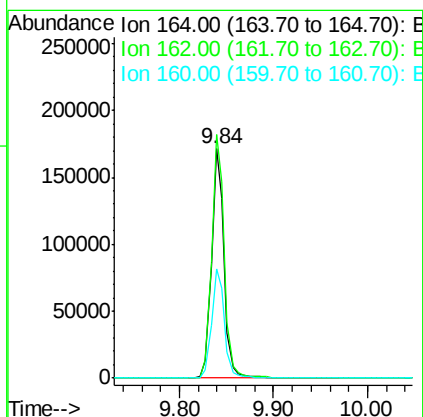
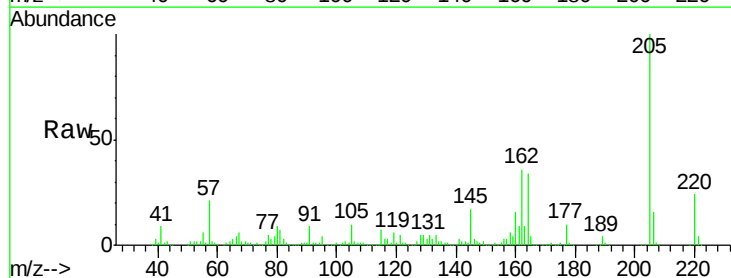
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BNA_F
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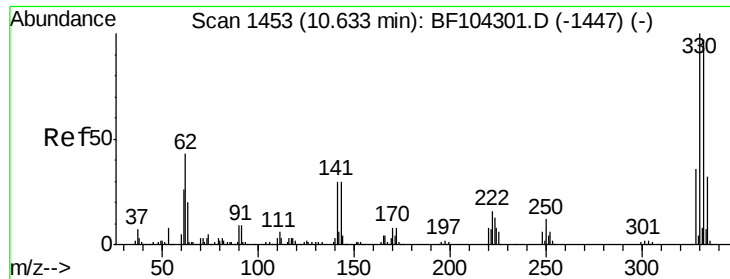
Tot Ion:128 Resp: 58954
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.0 10.9 16.3



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

Tgt Ion:164 Resp: 162133
Ion Ratio Lower Upper
164 100
162 106.3 86.1 129.1
160 47.7 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 102.639 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104669.D

Acq: 20 Apr 2018 13:01

Instrument :

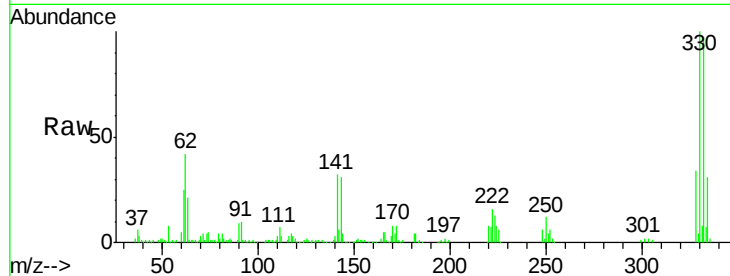
BNA_F

ClientSampleId :

SPOILS-ICTF-E

Tot Ion:330 Resp: 172623

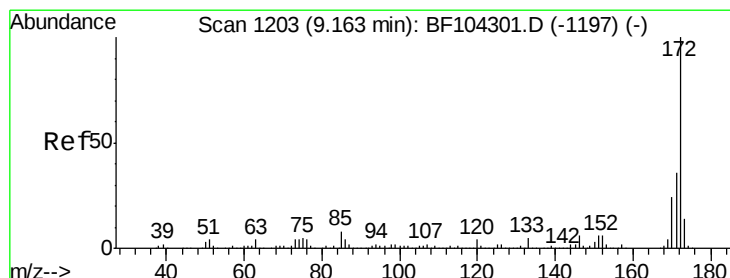
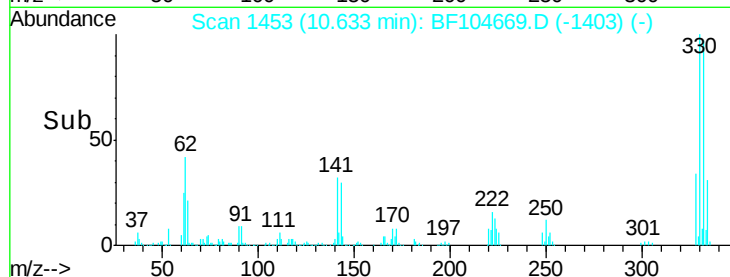
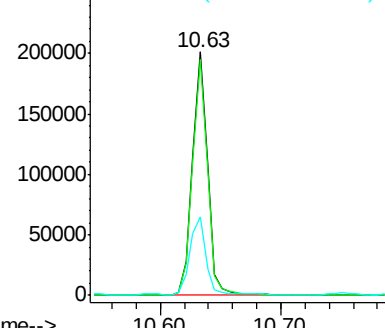
Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	33.3	29.9	44.9



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: 80.377 ng

RT: 9.16 min Scan# 1203

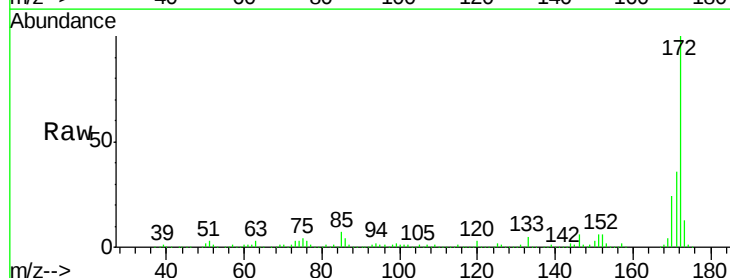
Delta R.T. -0.00 min

Lab File: BF104669.D

Acq: 20 Apr 2018 13:01

Tgt Ion:172 Resp: 824928

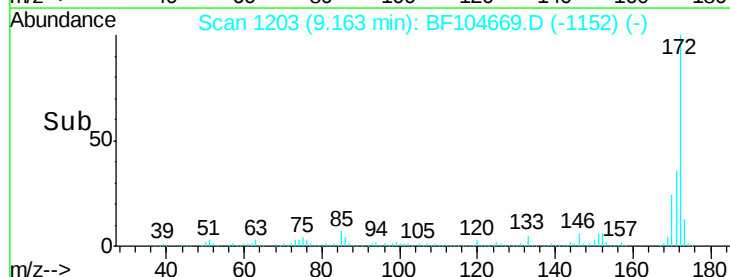
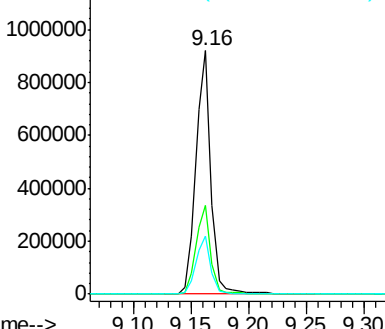
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.7	19.6	29.4

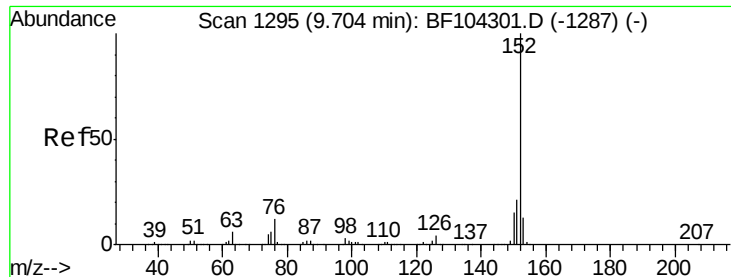


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.693 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104669.D

Acq: 20 Apr 2018 13:01

Instrument :

BNA_F

ClientSampleId :

SPOILS-ICTF-E

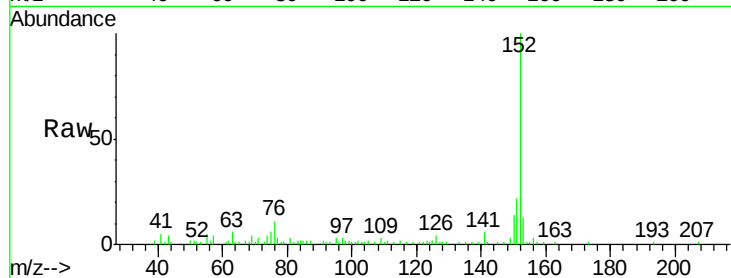
Tot Ion:152 Resp: 45459

Ion Ratio Lower Upper

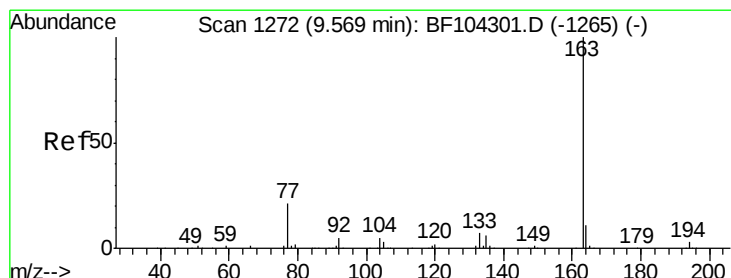
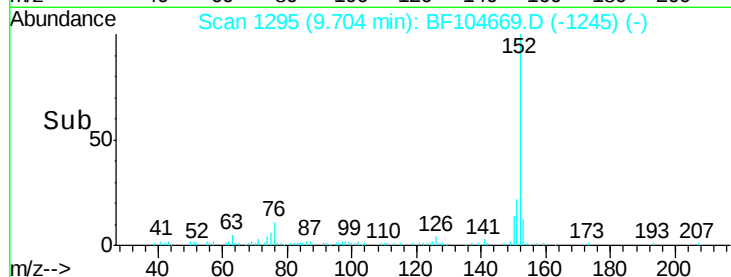
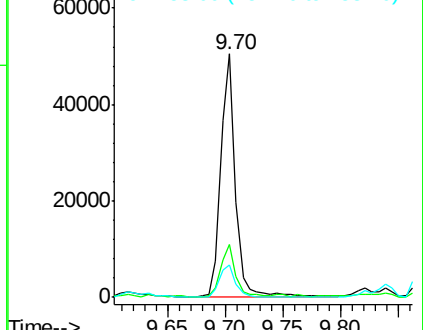
152 100

151 21.6 16.3 24.5

153 13.2 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



#49

Dimethylphthalate

Concen: 7.778 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104669.D

Acq: 20 Apr 2018 13:01

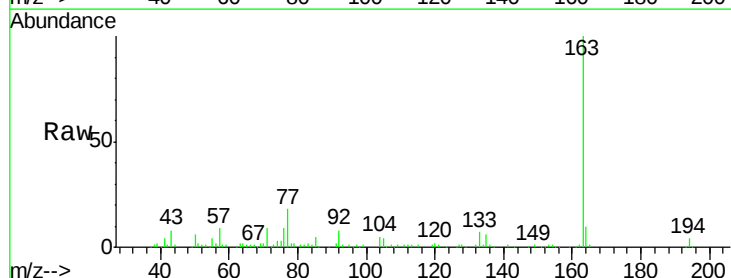
Tgt Ion:163 Resp: 99446

Ion Ratio Lower Upper

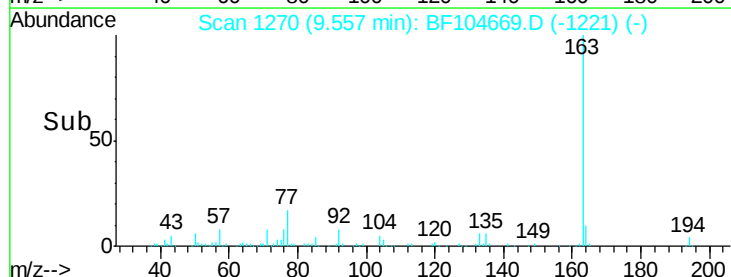
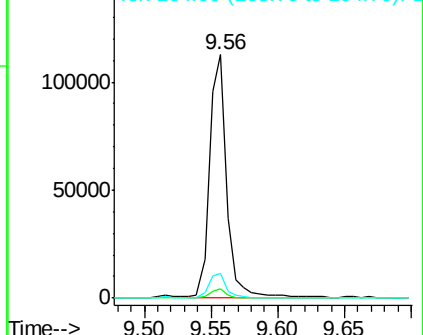
163 100

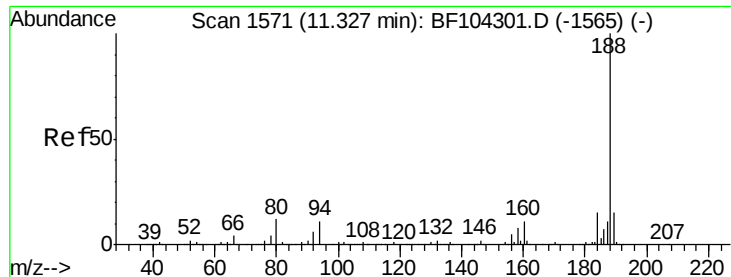
194 3.7 2.7 4.1

164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

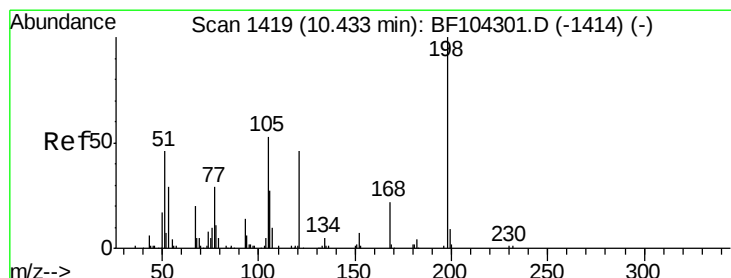
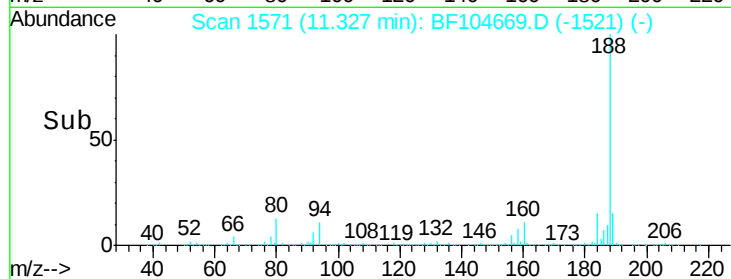
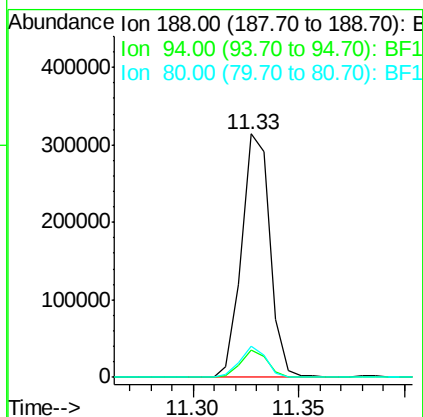
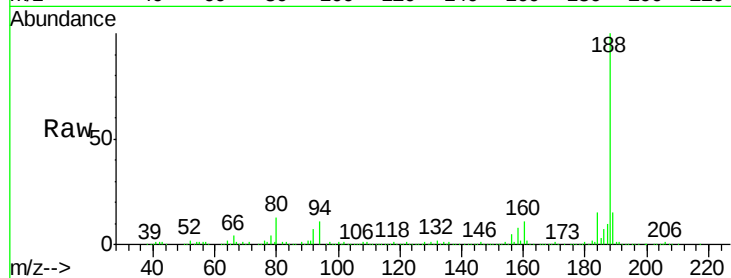




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

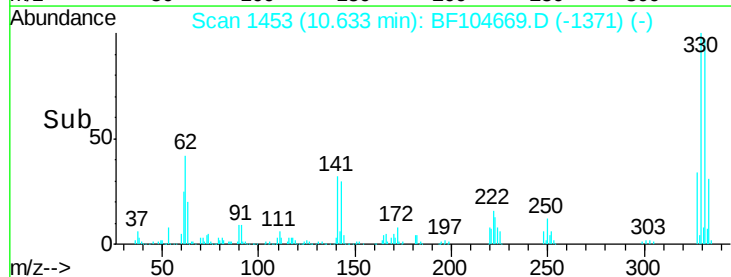
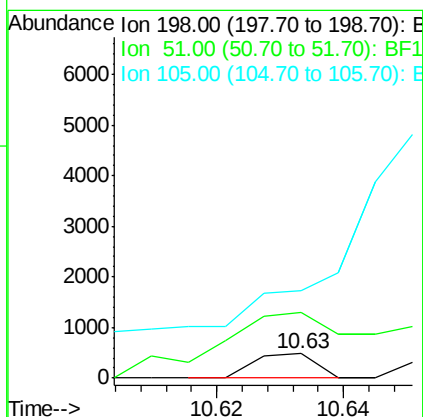
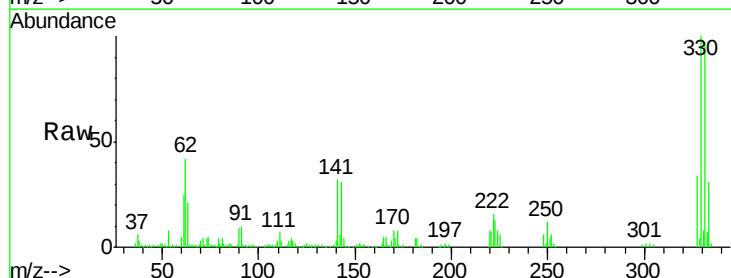
Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-E

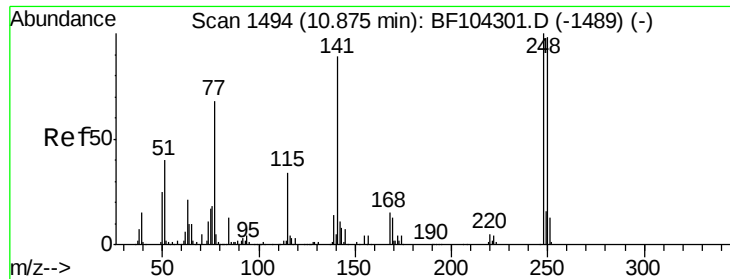
Tot Ion:188 Resp: 292568
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.540 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

Tgt Ion:198 Resp: 325
Ion Ratio Lower Upper
198 100
51 273.6 37.7 77.7#
105 361.7 36.3 76.3#

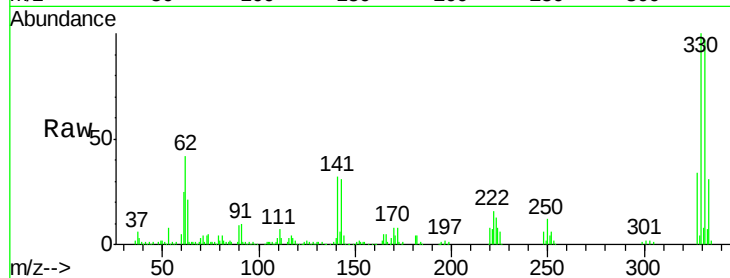




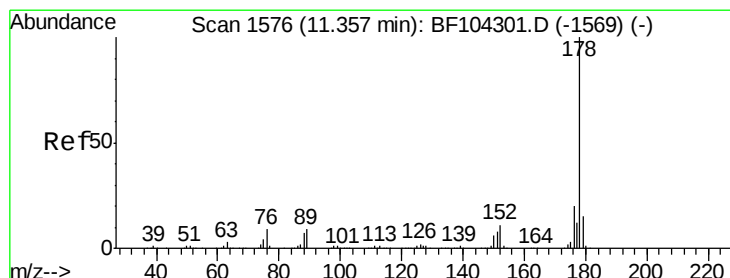
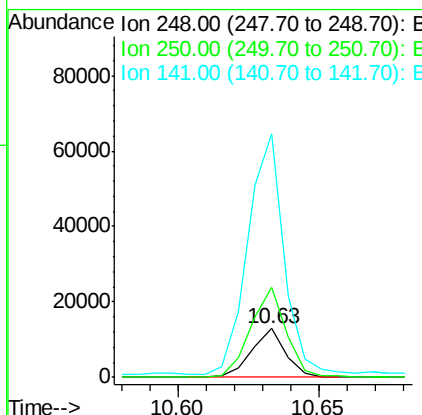
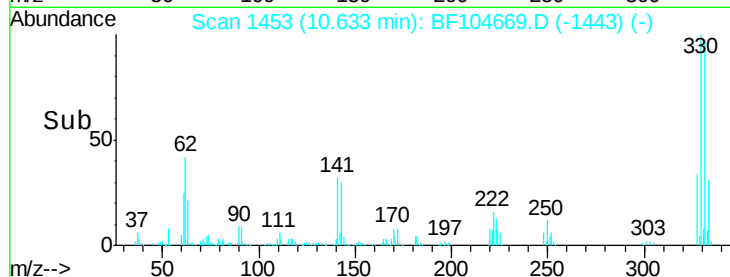
#66
 4-Bromophenyl-phenylether
 Concen: 3.450 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104669.D
 Acq: 20 Apr 2018 13:01

Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-E

Tot Ion:248 Resp: 10735
 Ion Ratio Lower Upper
 248 100
 250 185.6 76.9 115.3#
 141 499.1 74.4 111.6#

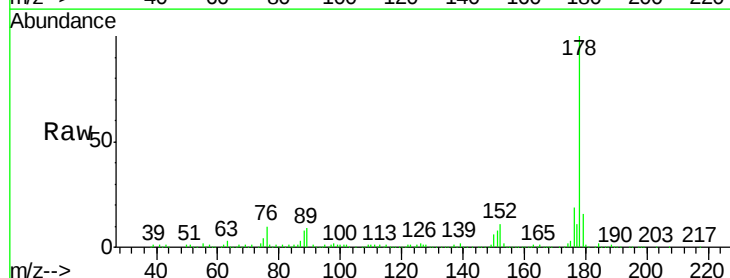


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

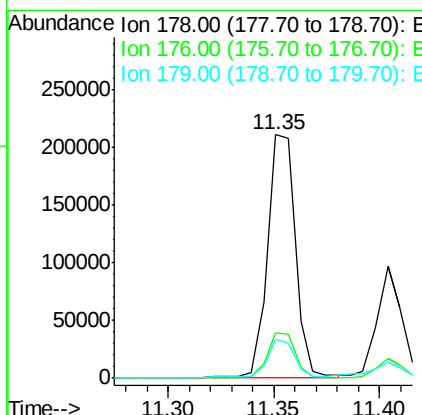
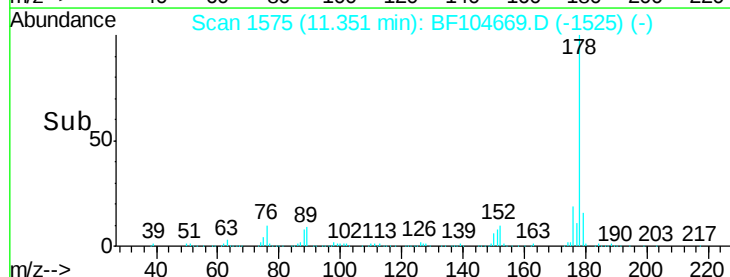


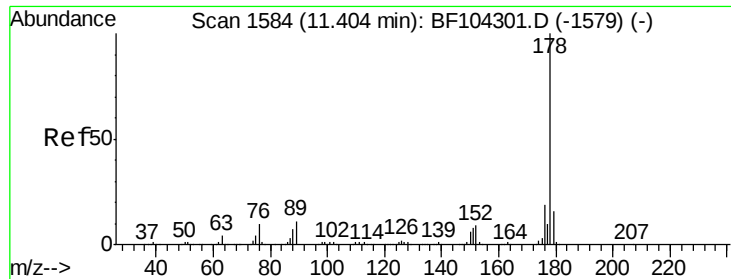
#70
 Phenanthrene
 Concen: 11.876 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF104669.D
 Acq: 20 Apr 2018 13:01

Tgt Ion:178 Resp: 193496
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 16.1 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

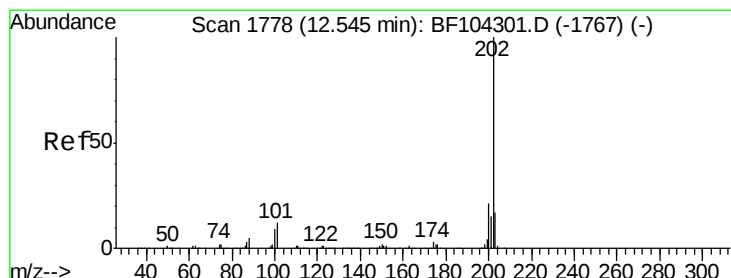
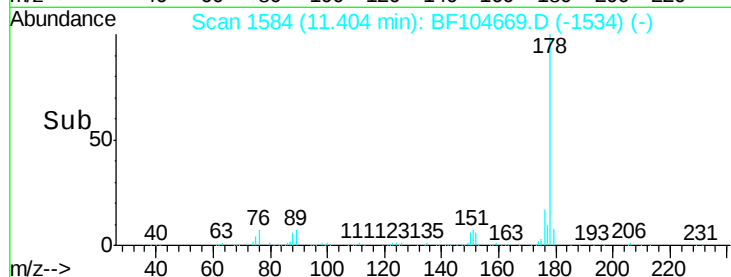
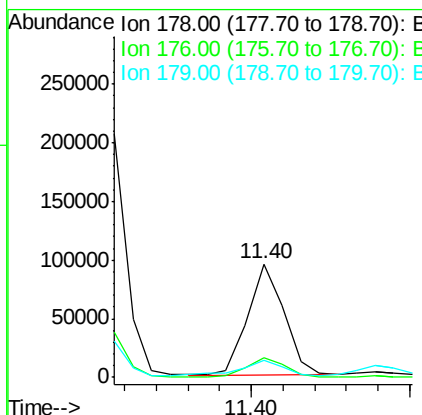
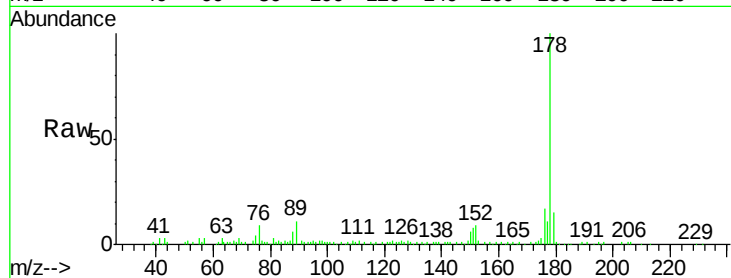




#71
 Anthracene
 Concen: 4.604 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104669.D
 Acq: 20 Apr 2018 13:01

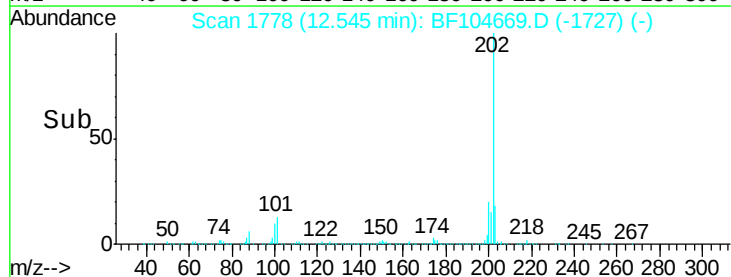
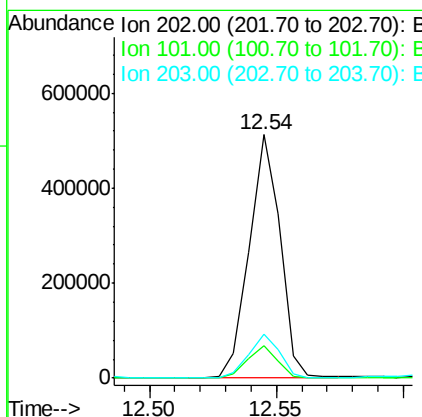
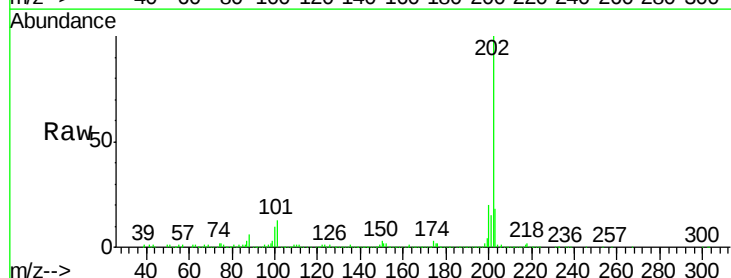
Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-E

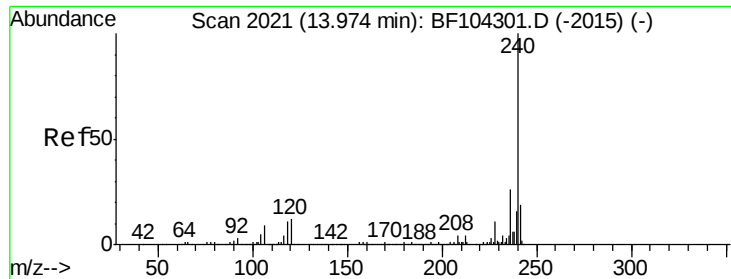
Tot Ion:178 Resp: 76254
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.4 23.2
 179 14.6 12.6 19.0



#74
 Fluoranthene
 Concen: 25.526 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: BF104669.D
 Acq: 20 Apr 2018 13:01

Tgt Ion:202 Resp: 434530
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 34.1
 203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF104669.D

Acq: 20 Apr 2018 13:01

Instrument :

BNA_F

ClientSampleId :

SPOILS-ICTF-E

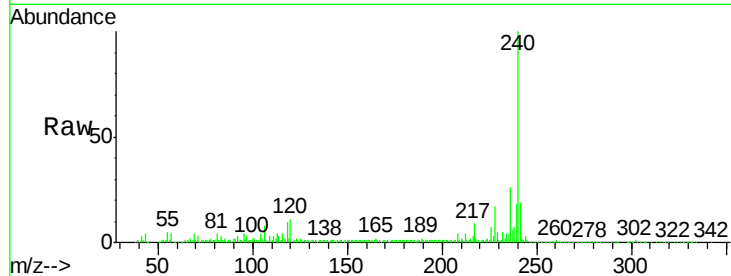
Tot Ion:240 Resp: 236453

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

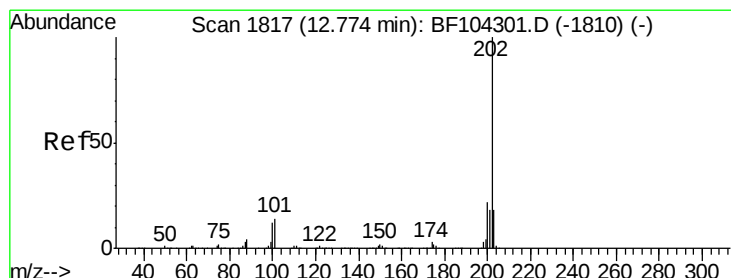
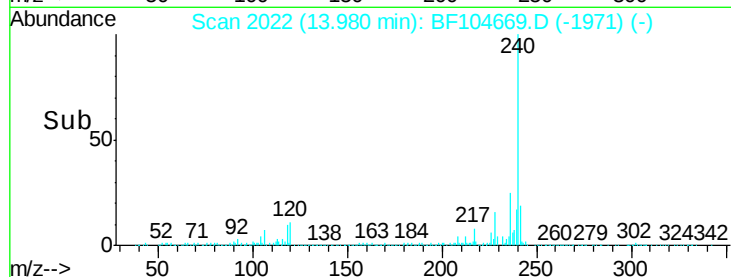
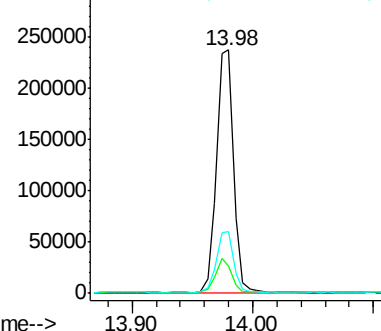
236 25.6 20.7 31.1



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: 24.788 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104669.D

Acq: 20 Apr 2018 13:01

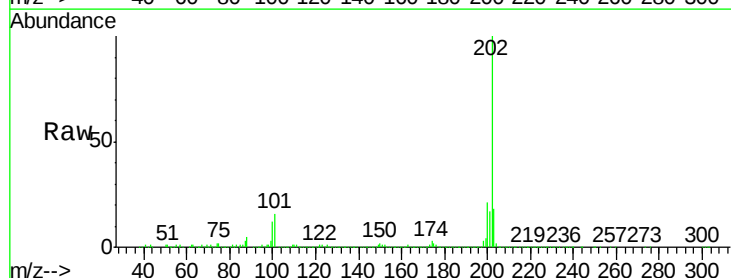
Tgt Ion:202 Resp: 434457

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

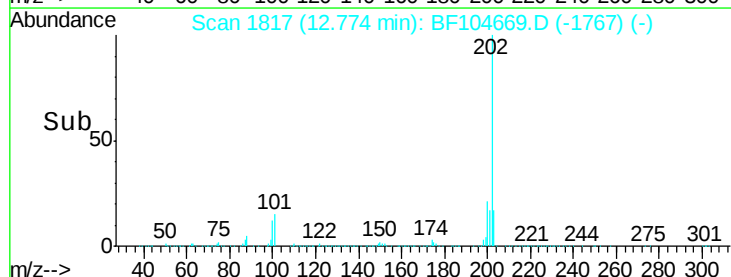
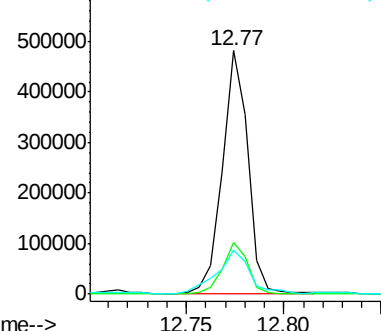
203 18.0 14.3 21.5

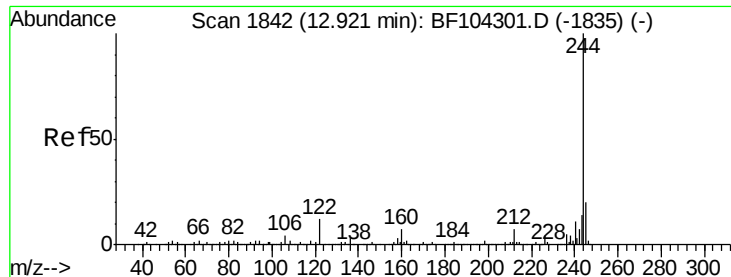


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

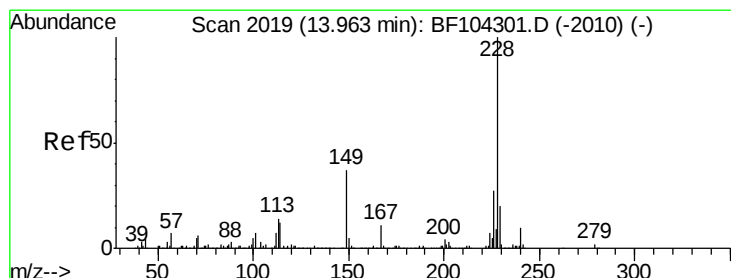
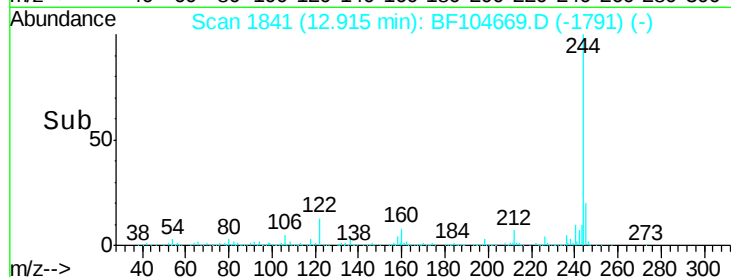
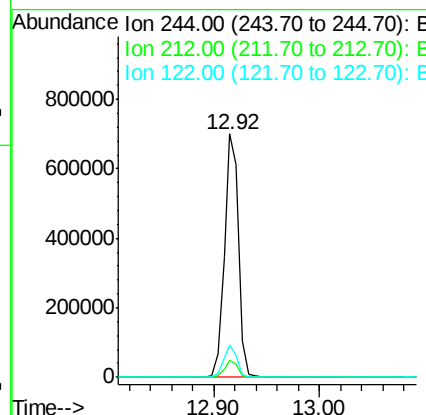
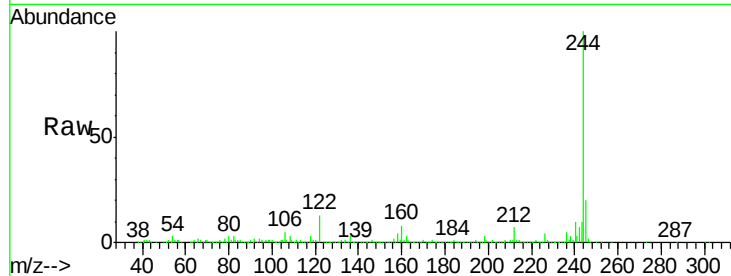




#78
 Terphenyl-d14
 Concen: 63.584 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104669.D
 Acq: 20 Apr 2018 13:01

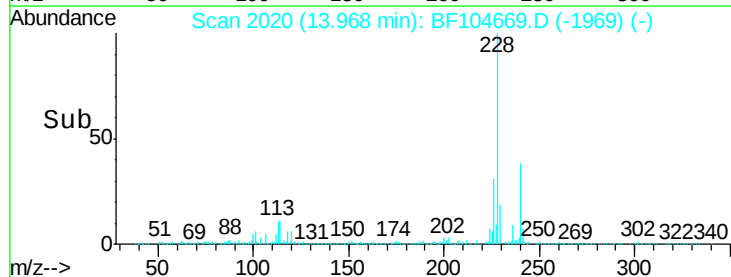
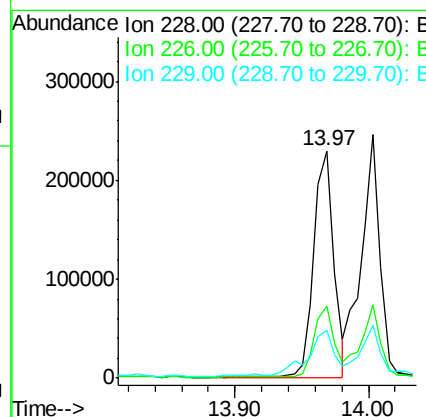
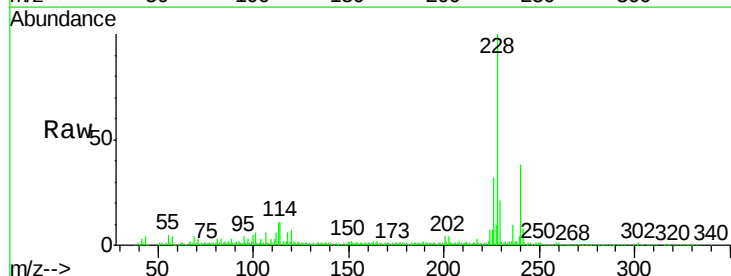
Instrument :
 BNA_F
 ClientSampleId :
 SPOILS-ICTF-E

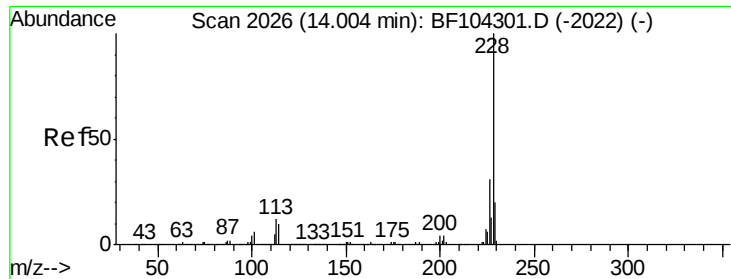
Tot Ion:244 Resp: 659462
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.4 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 16.659 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: BF104669.D
 Acq: 20 Apr 2018 13:01

Tgt Ion:228 Resp: 235325
 Ion Ratio Lower Upper
 228 100
 226 31.7 22.6 33.8
 229 20.9 15.8 23.6





#82

Chrysene

Concen: 16.691 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104669.D

Acq: 20 Apr 2018 13:01

Instrument :

BNA_F

ClientSampleId :

SPOILS-ICTF-E

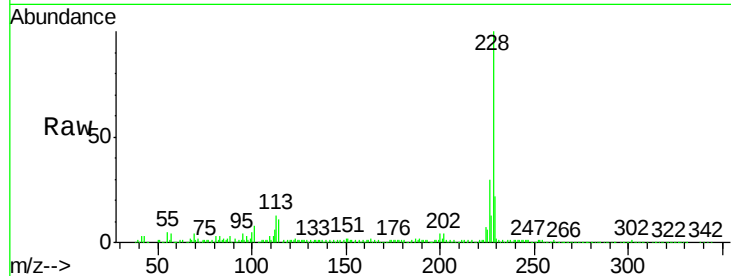
Tot Ion:228 Resp: 242175

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

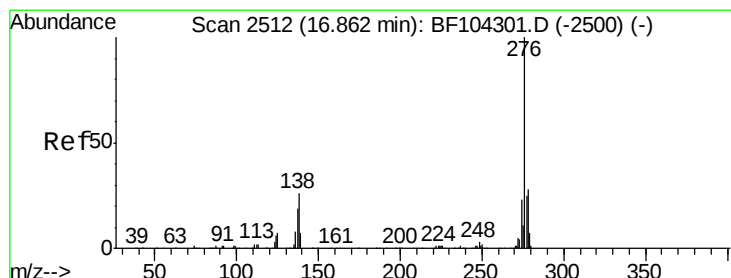
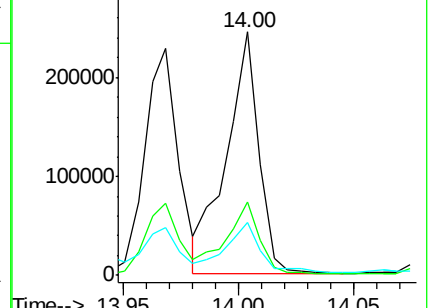
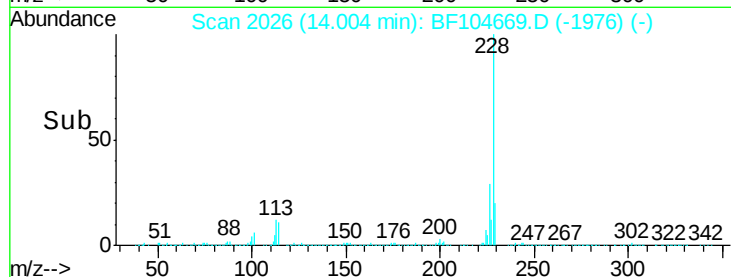
229 21.6 16.2 24.4



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: 7.885 ng

RT: 16.89 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BF104669.D

Acq: 20 Apr 2018 13:01

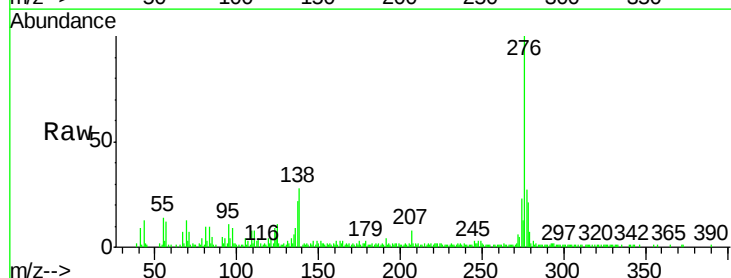
Tgt Ion:276 Resp: 97184

Ion Ratio Lower Upper

276 100

138 26.1 25.0 37.6

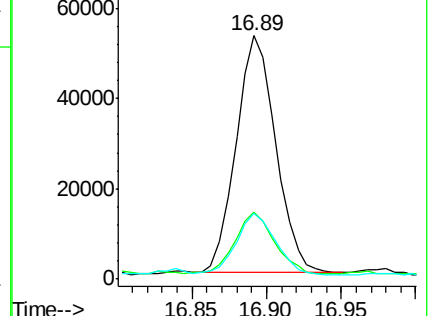
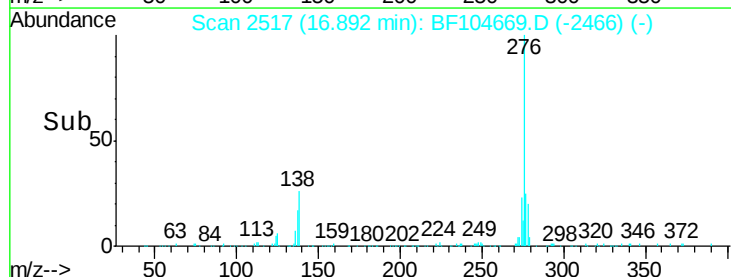
277 26.4 20.1 30.1

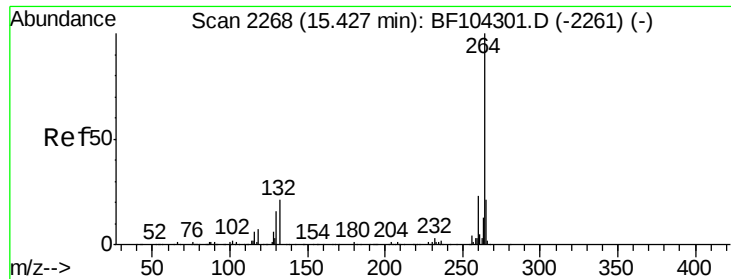


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

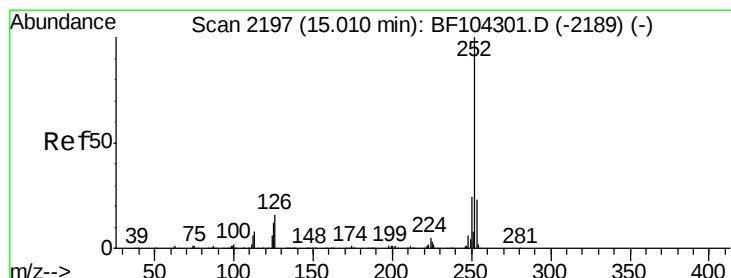
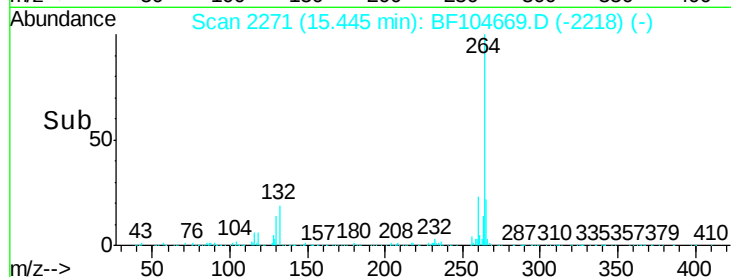
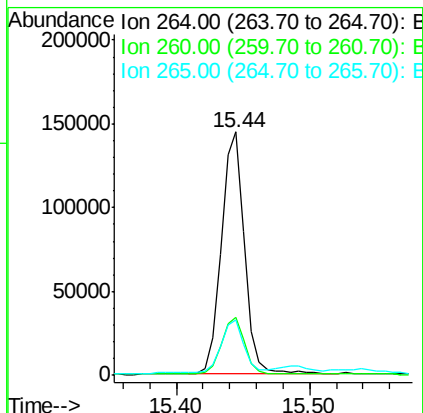
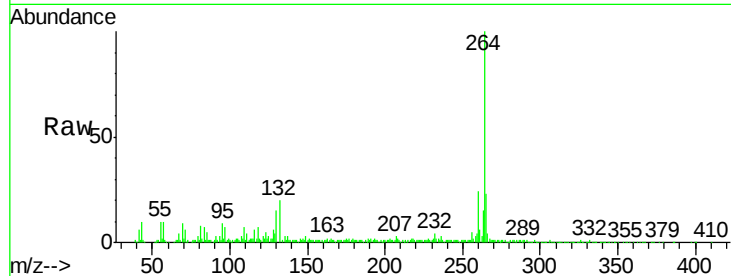




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

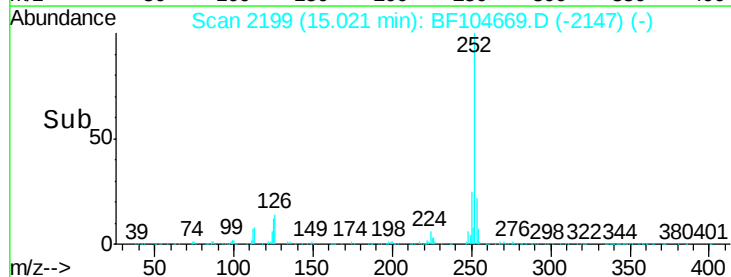
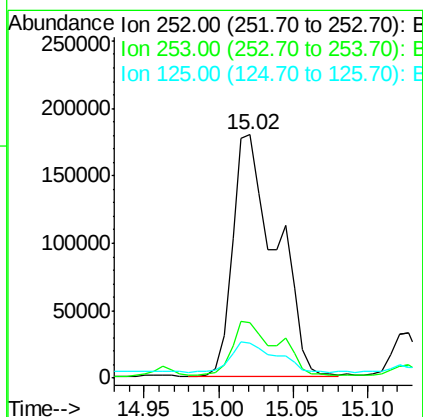
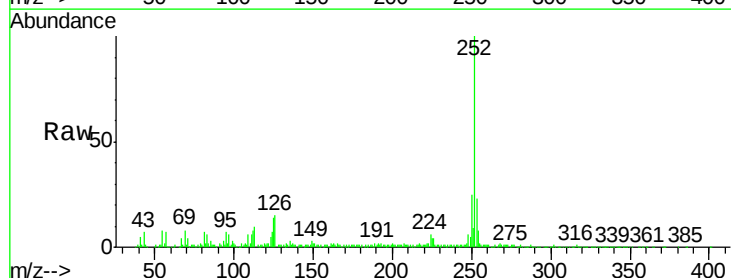
Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-E

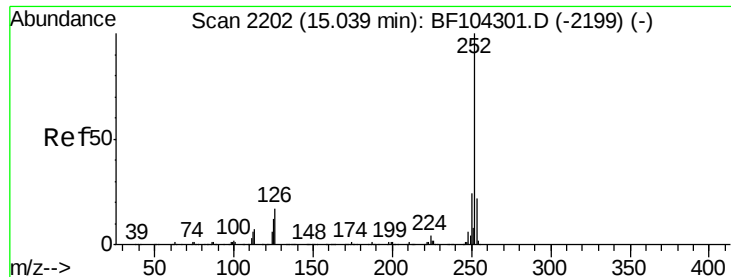
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.0	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 32.297 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	14.4	9.0	13.6

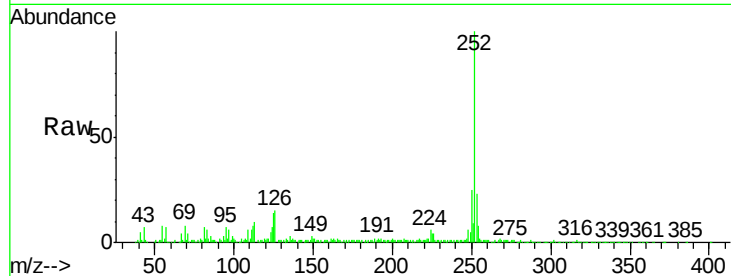




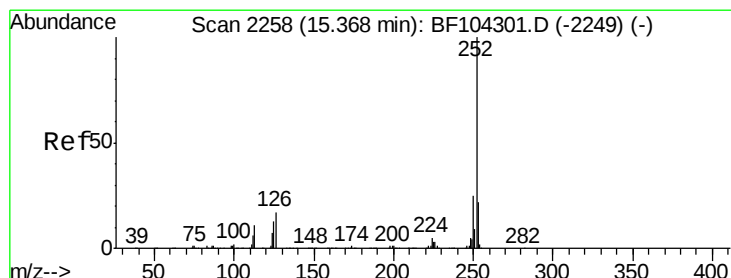
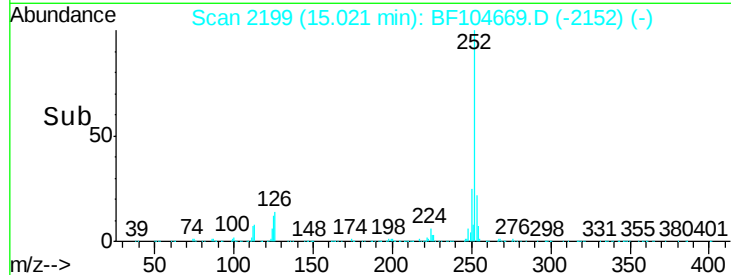
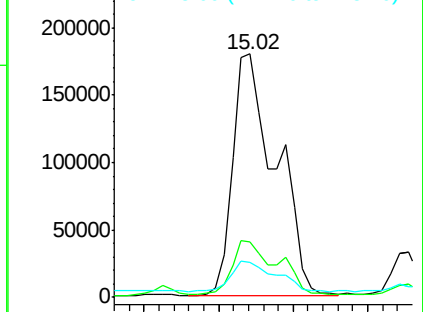
#88
Benzo(k)fluoranthene
Concen: 34.210 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

Instrument :
BNA_F
ClientSampleId :
SPOILS-ICTF-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	14.4	10.2	15.2

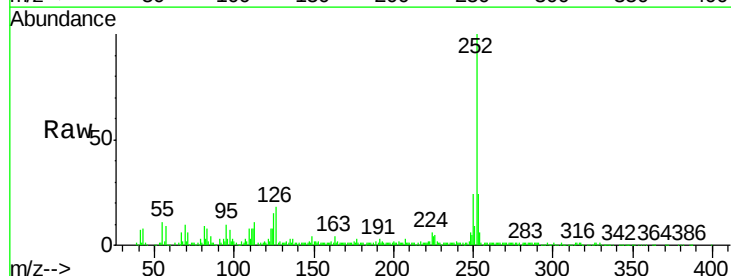


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

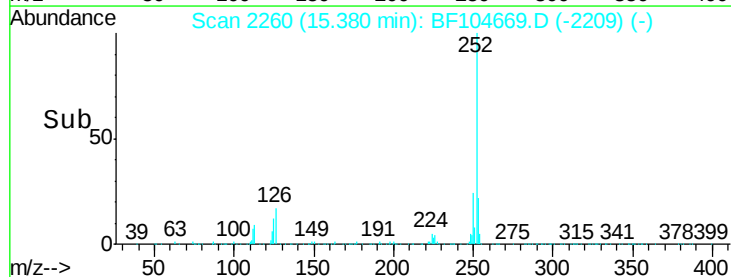
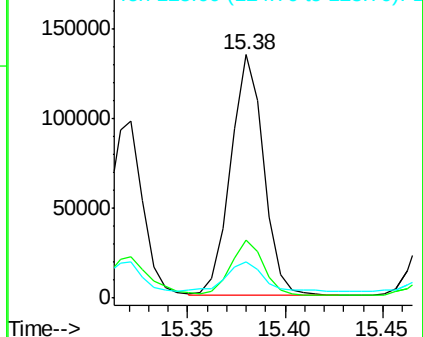


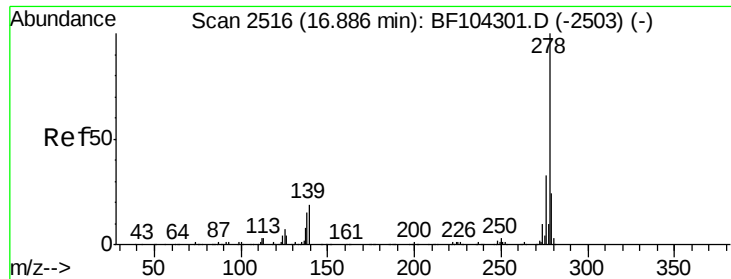
#89
Benzo(a)pyrene
Concen: 15.751 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BF104669.D
Acq: 20 Apr 2018 13:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	15.1	9.8	14.6#



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





#90

Dibenzo(a,h)anthracene

Concen: 3.429 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BF104669.D

Acq: 20 Apr 2018 13:01

Instrument :

BNA_F

ClientSampleId :

SPOILS-ICTF-E

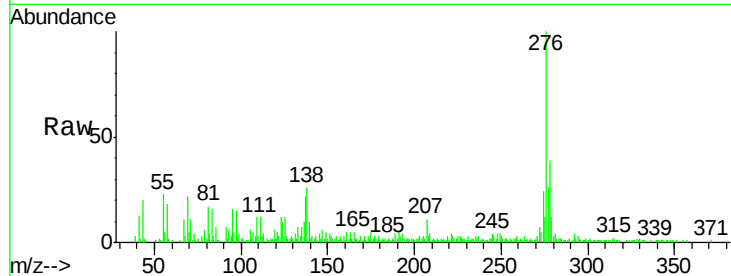
Tot Ion:278 Resp: 28266

Ion Ratio Lower Upper

278 100

139 26.9 15.9 23.9#

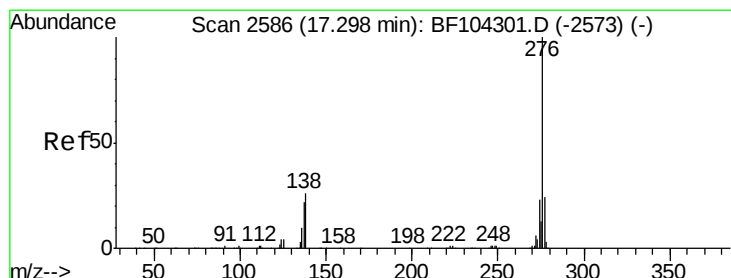
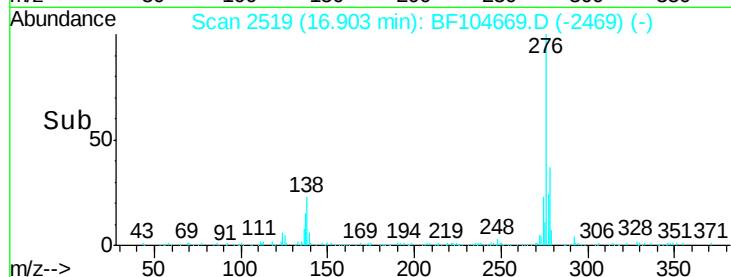
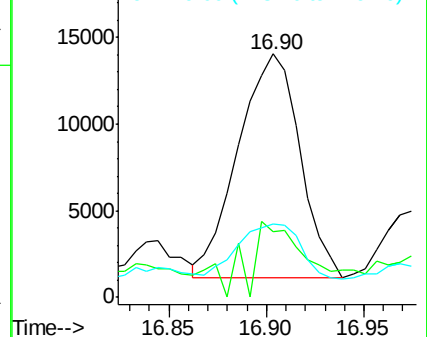
279 30.1 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 12.048 ng

RT: 17.34 min Scan# 2593

Delta R.T. 0.01 min

Lab File: BF104669.D

Acq: 20 Apr 2018 13:01

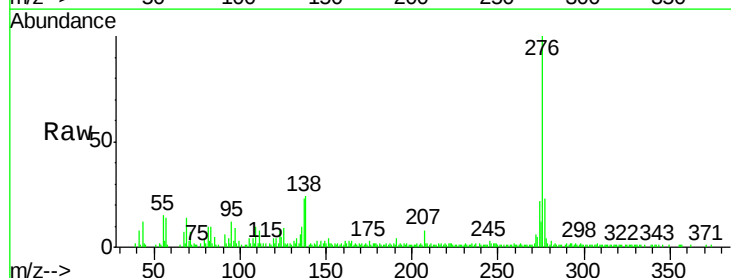
Tgt Ion:276 Resp: 96209

Ion Ratio Lower Upper

276 100

277 23.2 17.9 26.9

138 23.7 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

