

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062420\
 Data File : BP002531.D
 Acq On : 24 Jun 2020 19:51
 Operator : CG/JU
 Sample : L3096-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-03-011-A

Quant Time: Jun 25 01:14:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 24 13:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	239364	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	950643	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	537915	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	1085271	20.00	ng	0.00
76) Chrysene-d12	21.09	240	753962	20.00	ng	0.00
86) Perylene-d12	23.29	264	768483	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	2009654	155.36	ng	0.00
7) Phenol-d6	6.78	99	2623792	152.35	ng	0.00
23) Nitrobenzene-d5	8.73	82	1832438	115.11	ng	0.00
42) 2,4,6-Tribromophenol	15.73	330	851651	165.36	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	3430462	107.23	ng	0.00
79) Terphenyl-d14	19.58	244	3699901	146.08	ng	0.00

Target Compounds

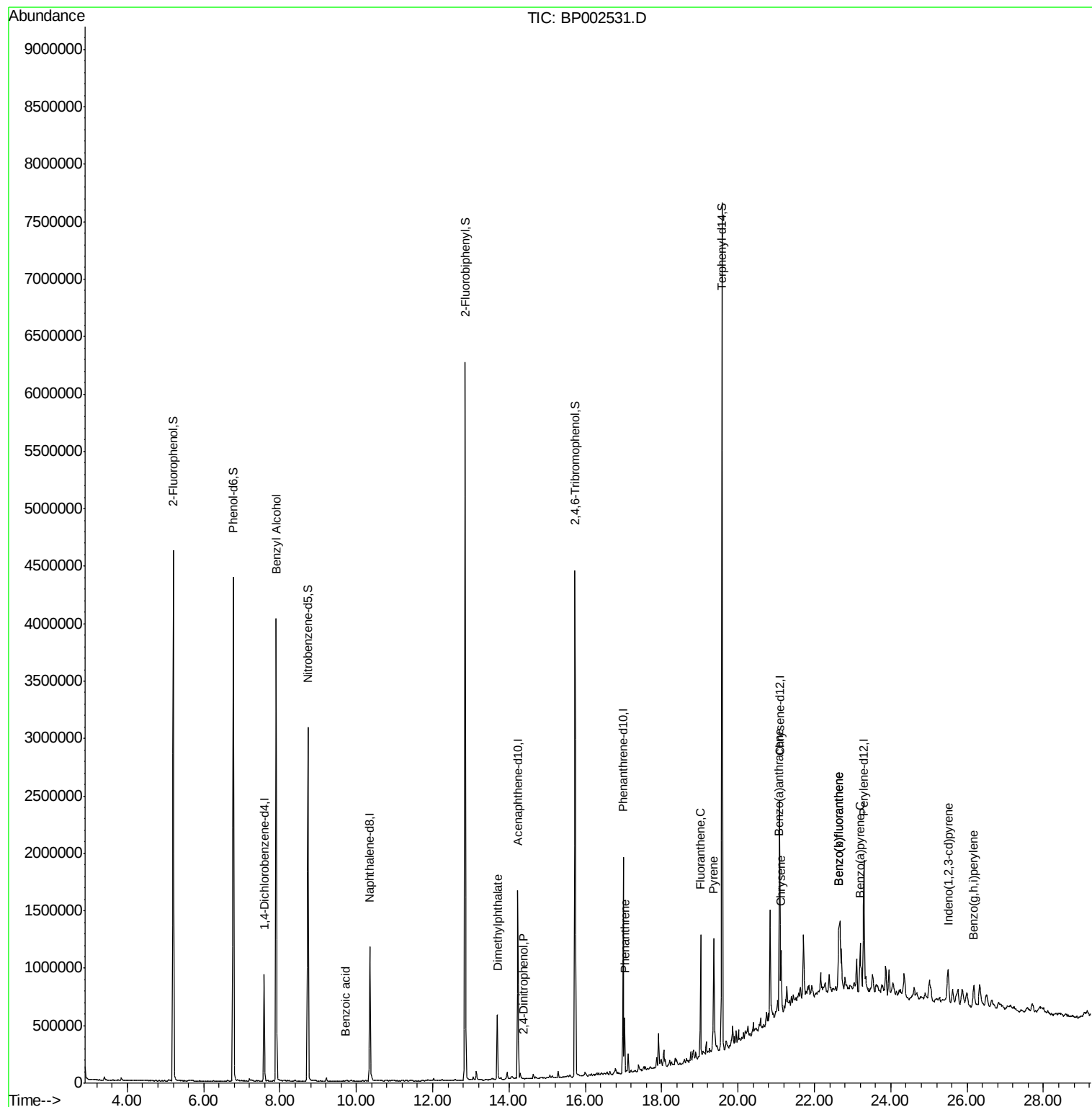
					Qvalue	
9) Benzaldehyde	6.70	77	241	Below Cal	#	26
15) Benzyl Alcohol	7.90	79	32319	2.421 ng	#	47
32) Benzoic acid	9.73	122	101	4.608 ng	#	70
50) Dimethylphthalate	13.69	163	376041	10.202 ng		99
54) 2,4-Dinitrophenol	14.36	184	43	2.795 ng	#	1
61) 4-Chlorophenyl-phenylether	15.31	204	102	Below Cal	#	1
71) Phenanthrene	17.03	178	274420	5.406 ng		100
75) Fluoranthene	19.02	202	639752	10.557 ng		98
78) Pyrene	19.36	202	586400	12.697 ng		99
81) Benzo(a)anthracene	21.07	228	298569	6.938 ng		97
83) Chrysene	21.13	228	305618	7.495 ng		97
87) Indeno(1,2,3-cd)pyrene	25.50	276	208147	4.330 ng		98
88) Benzo(b)fluoranthene	22.64	252	413074	9.967 ng	#	95
89) Benzo(k)fluoranthene	22.64	252	413074	10.490 ng	#	92
90) Benzo(a)pyrene	23.19	252	280820	7.231 ng	#	96
92) Benzo(g,h,i)perylene	26.18	276	212650	5.325 ng		98

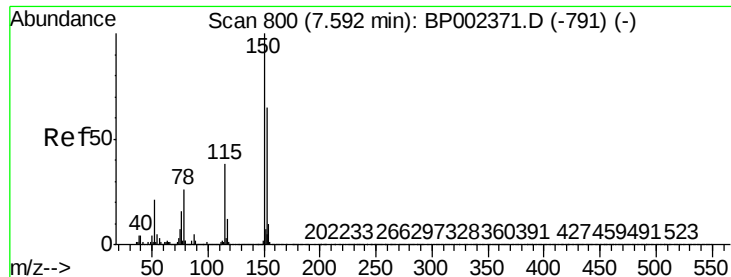
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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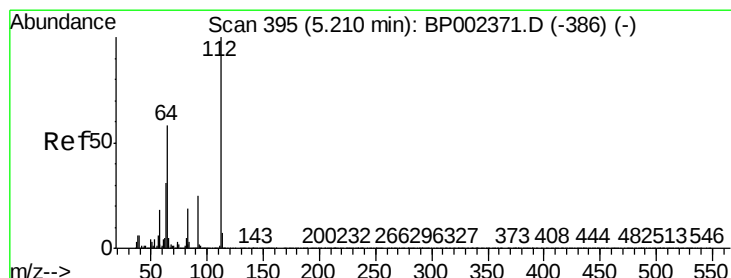
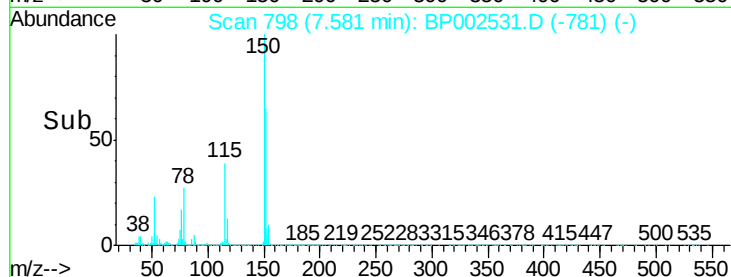
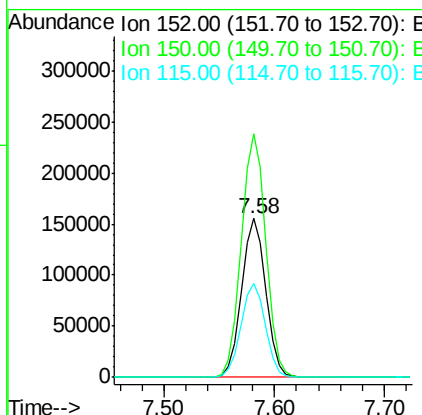
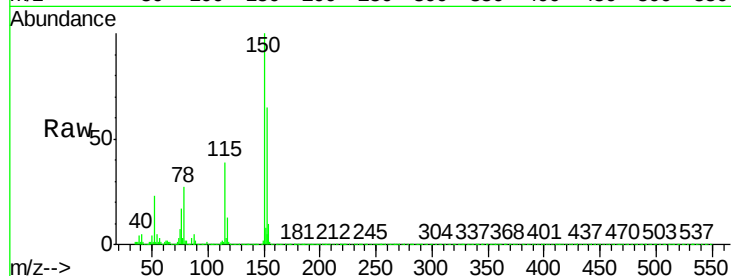


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 798
Delta R.T. 0.00 min
Lab File: BP002531.D
Acq: 24 Jun 2020 19:51

Instrument :
BNA_P
ClientSampleId :
FK-GF-03-011-A

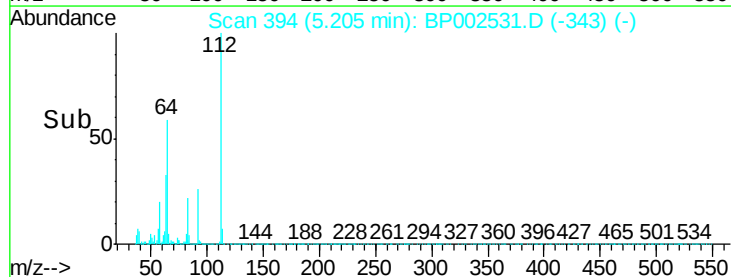
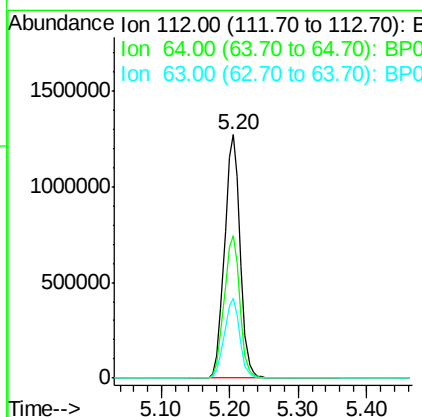
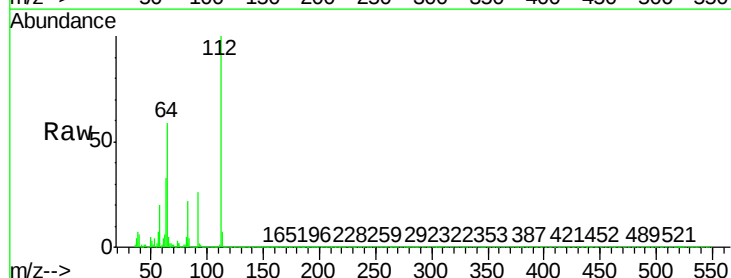
Tot Ion	152	Resp	239364
Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.4	186.6
115	59.5	47.8	71.6

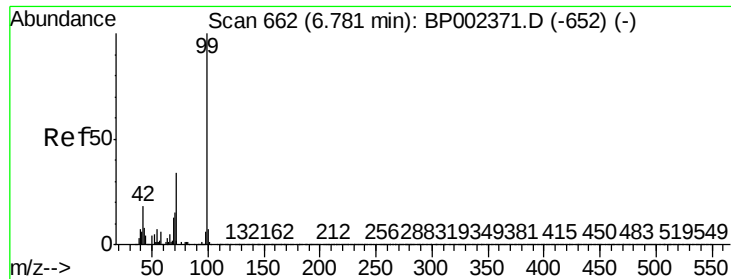


#5

2-Fluorophenol
Concen: 155.357 ng
RT: 5.20 min Scan# 394
Delta R.T. 0.00 min
Lab File: BP002531.D
Acq: 24 Jun 2020 19:51

Tgt Ion	112	Resp	2009654
Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.4	69.6
63	32.7	25.0	37.6





#7

Phenol-d6

Concen: 152.347 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.01 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-A

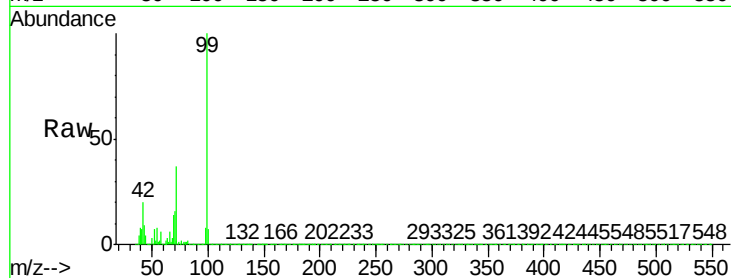
Tot Ion: 99 Resp: 2623792

Ion Ratio Lower Upper

99 100

42 19.8 15.3 22.9

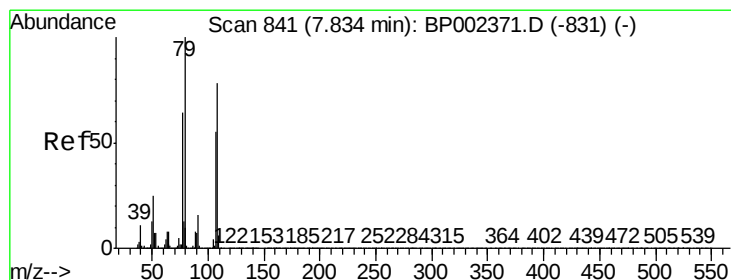
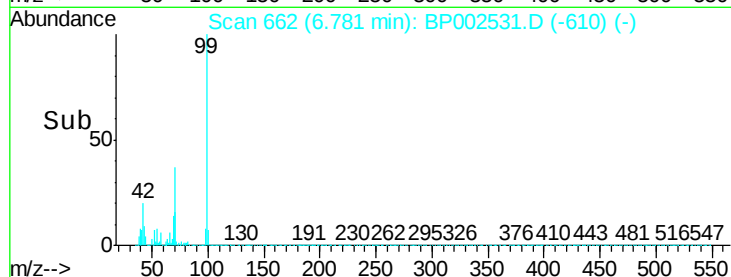
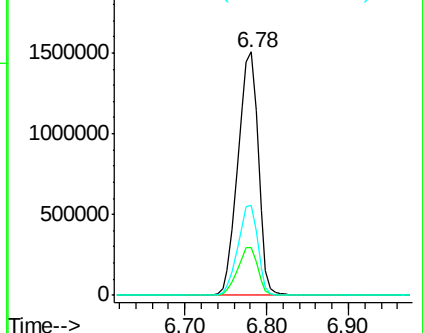
71 36.7 28.2 42.2



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#15

Benzyl Alcohol

Concen: 2.421 ng

RT: 7.90 min Scan# 852

Delta R.T. 0.08 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

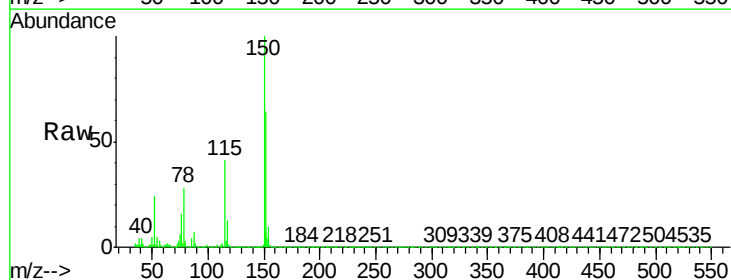
Tgt Ion: 79 Resp: 32319

Ion Ratio Lower Upper

79 100

108 41.3 60.2 90.4#

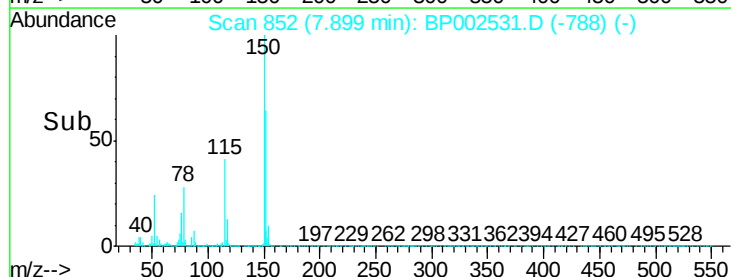
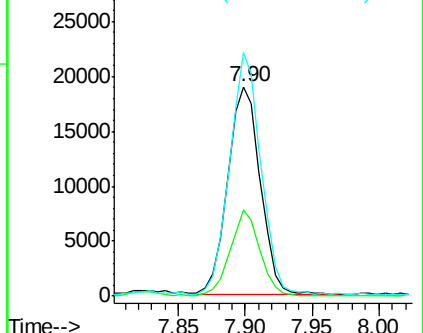
77 116.4 50.6 76.0#

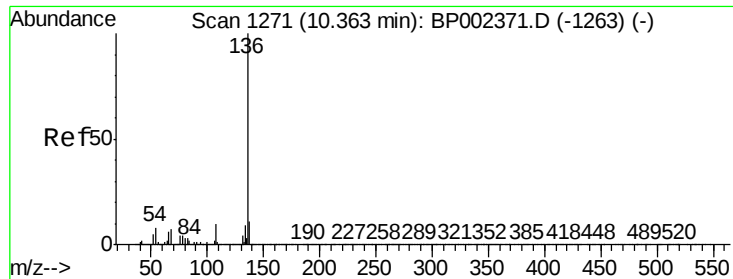


Abundance Ion 79.00 (78.70 to 79.70): BP0

Ion 108.00 (107.70 to 108.70): B

Ion 77.00 (76.70 to 77.70): BP0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-A

Tot Ion:136 Resp: 950643

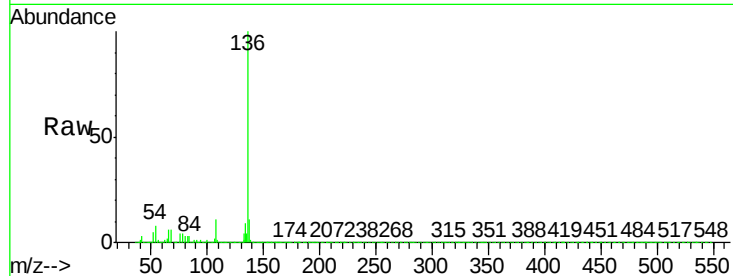
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.2 6.6 10.0

68 6.3 5.4 8.0

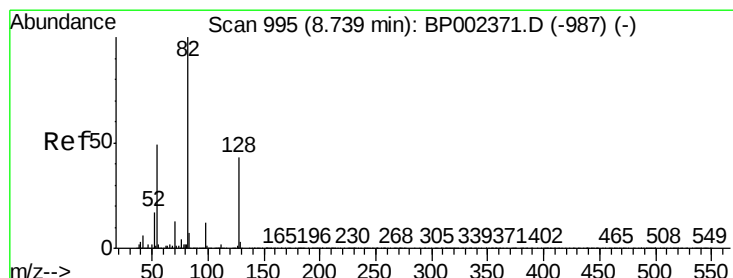
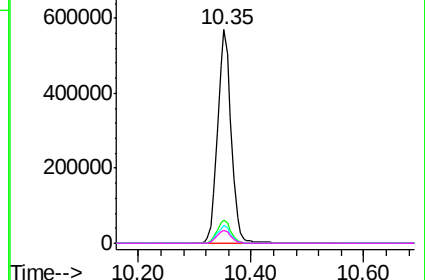
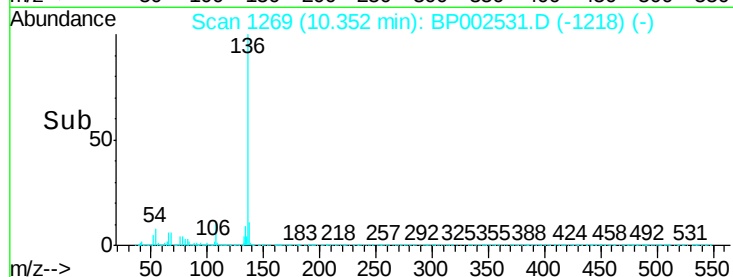


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



#23

Nitrobenzene-d5

Concen: 115.113 ng

RT: 8.73 min Scan# 993

Delta R.T. 0.00 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

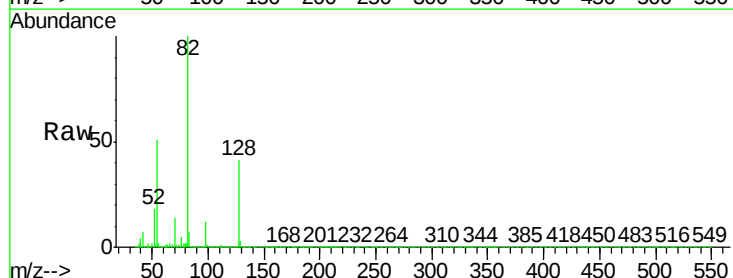
Tgt Ion: 82 Resp: 1832438

Ion Ratio Lower Upper

82 100

128 41.1 32.8 49.2

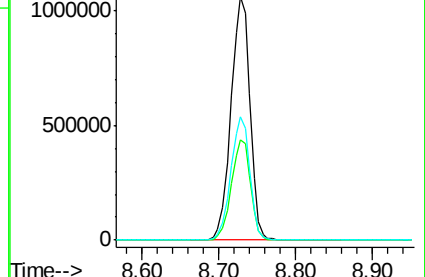
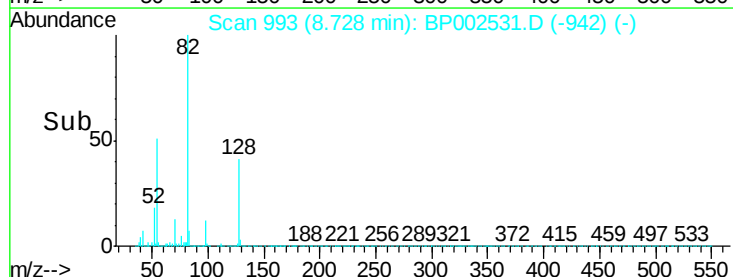
54 50.8 39.9 59.9

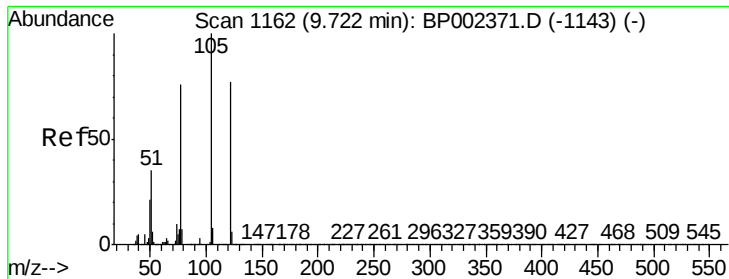


Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BP0

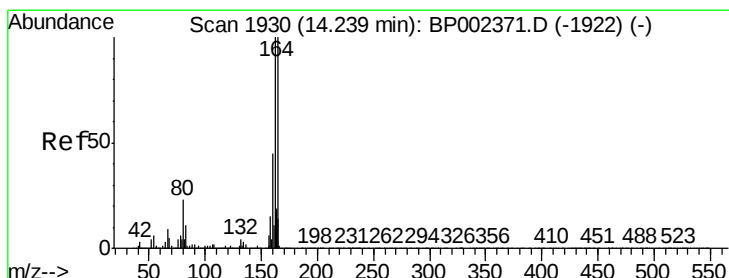
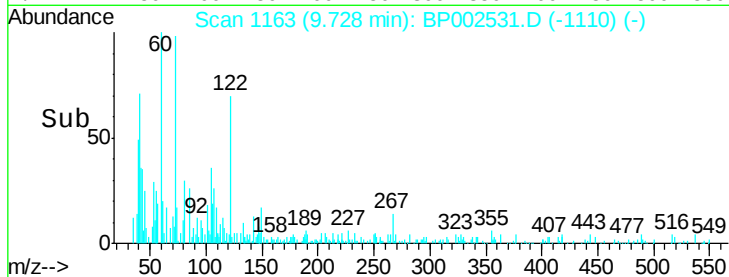
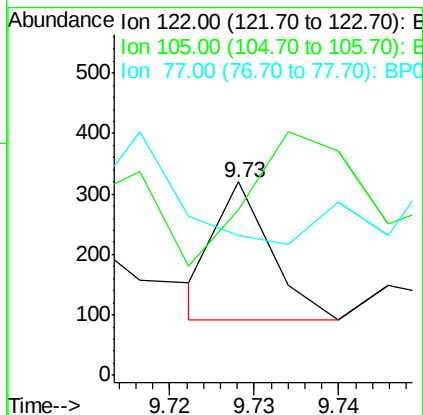
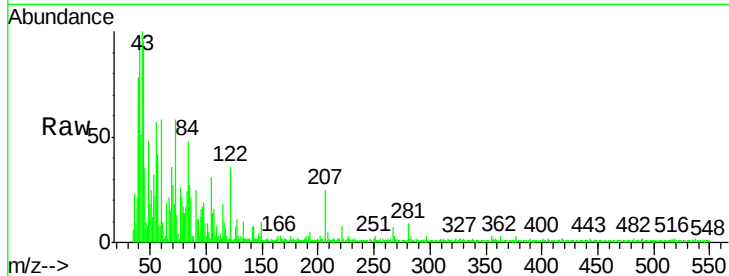




#32
Benzoic acid
Concen: 4.608 ng
RT: 9.73 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BP002531.D
Acq: 24 Jun 2020 19:51

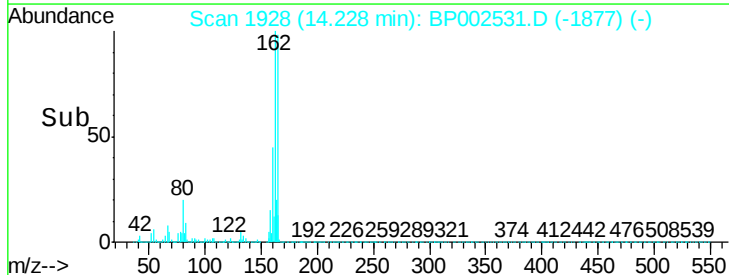
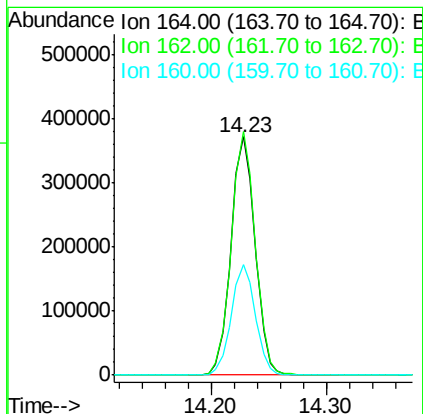
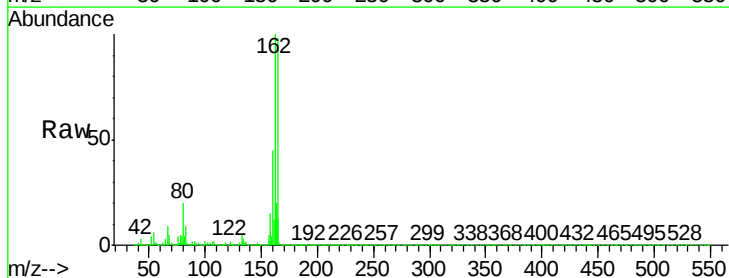
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-011-A

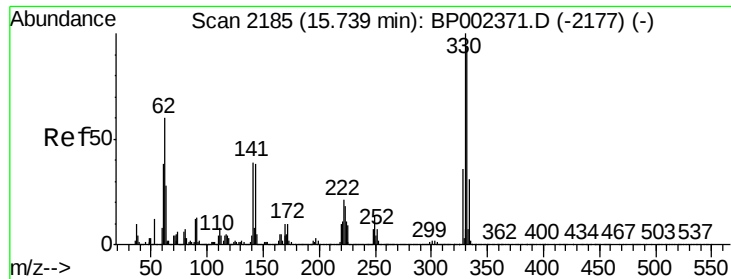
Tot Ion:122 Resp: 101
Ion Ratio Lower Upper
122 100
105 85.9 105.0 145.0#
77 72.2 76.9 116.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.23 min Scan# 1928
Delta R.T. 0.00 min
Lab File: BP002531.D
Acq: 24 Jun 2020 19:51

Tgt Ion:164 Resp: 537915
Ion Ratio Lower Upper
164 100
162 102.2 80.6 121.0
160 46.4 35.4 53.2

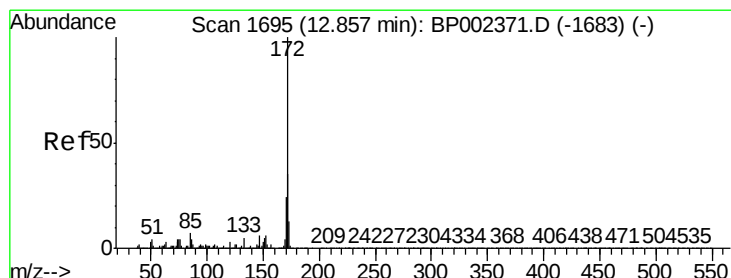
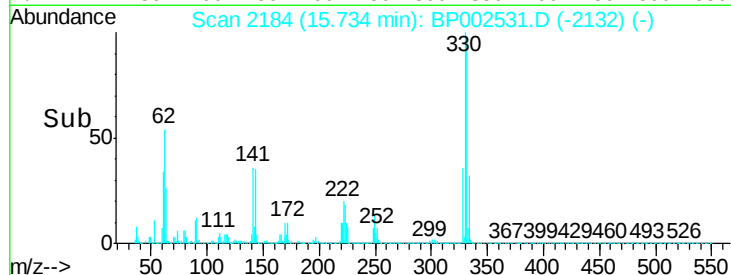
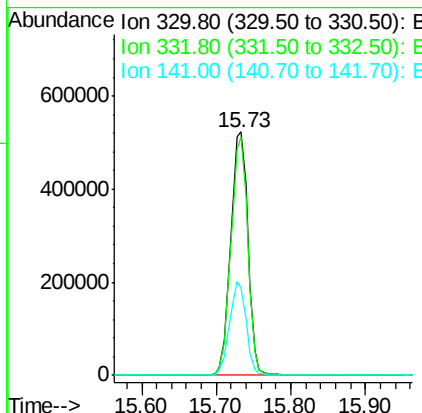
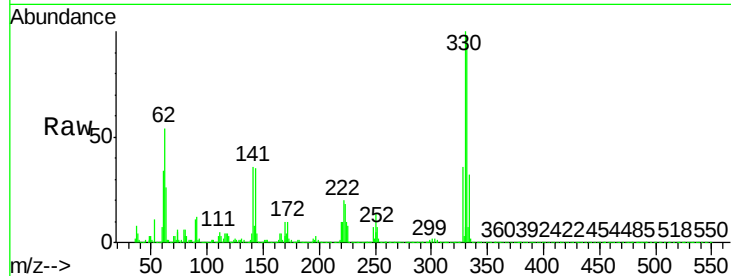




#42
 2,4,6-Tribromophenol
 Concen: 165.364 ng
 RT: 15.73 min Scan# 2184
 Delta R.T. 0.01 min
 Lab File: BP002531.D
 Acq: 24 Jun 2020 19:51

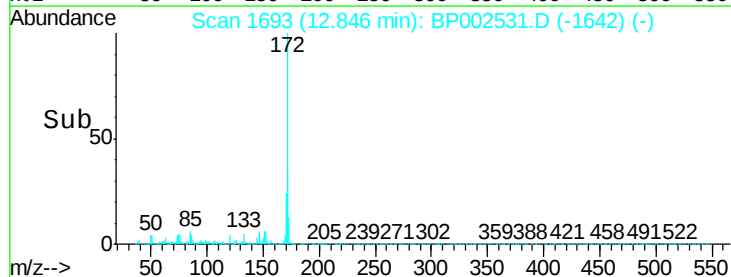
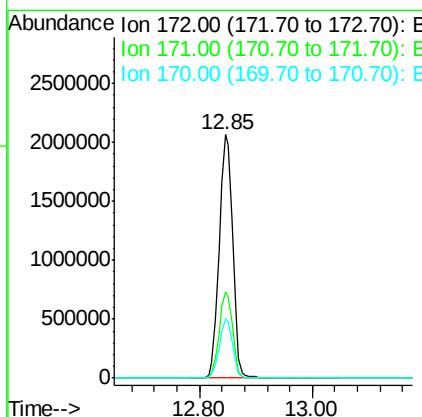
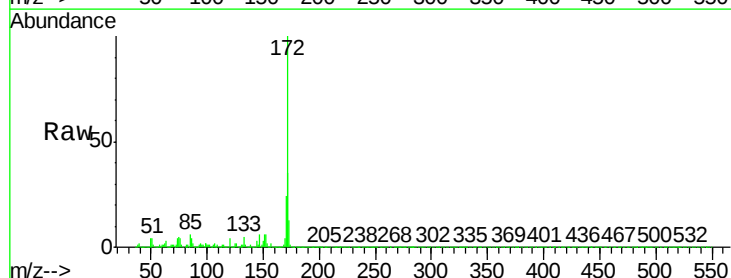
Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-03-011-A

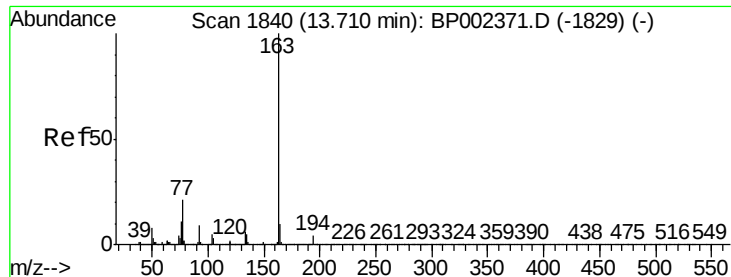
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.2	115.8
141	36.9	30.4	45.6



#45
 2-Fluorobiphenyl
 Concen: 107.230 ng
 RT: 12.85 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: BP002531.D
 Acq: 24 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.9	41.9
170	24.3	19.0	28.6





#50

Dimethylphthalate

Concen: 10.202 ng

RT: 13.69 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-A

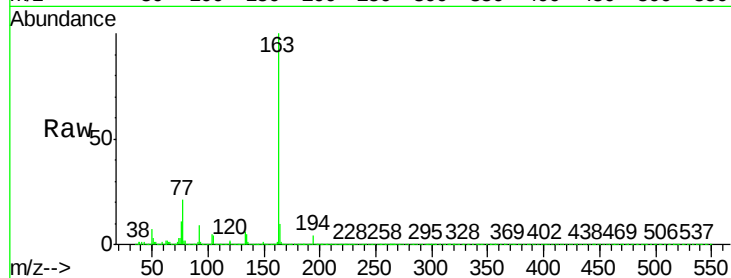
Tot Ion:163 Resp: 376041

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

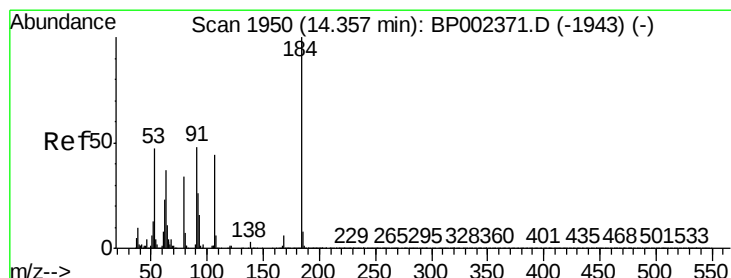
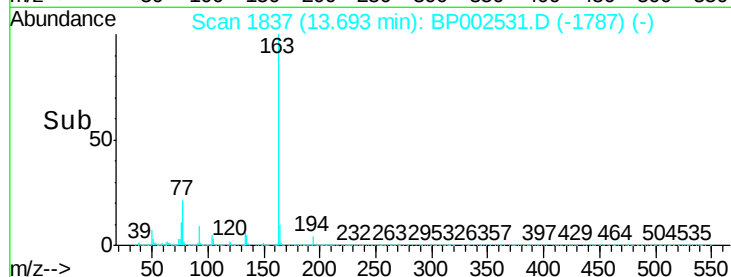
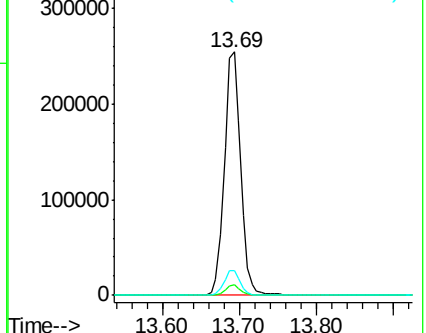
164 9.9 8.2 12.2



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



#54

2,4-Dinitrophenol

Concen: 2.795 ng

RT: 14.36 min Scan# 1951

Delta R.T. 0.01 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

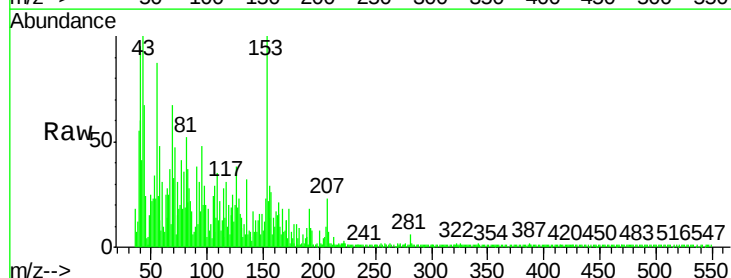
Tgt Ion:184 Resp: 43

Ion Ratio Lower Upper

184 100

63 1452.4 51.3 76.9#

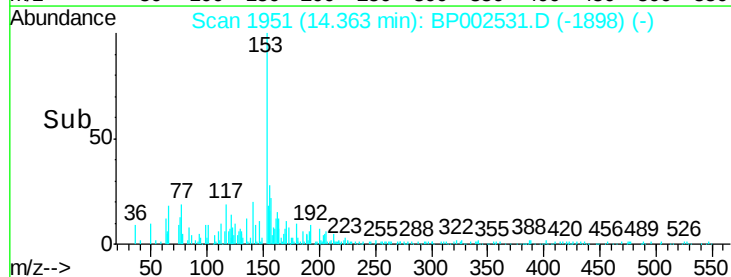
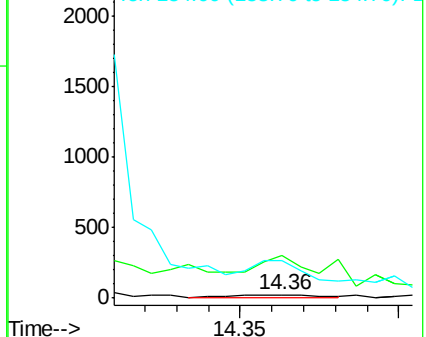
154 1266.7 50.2 75.2#

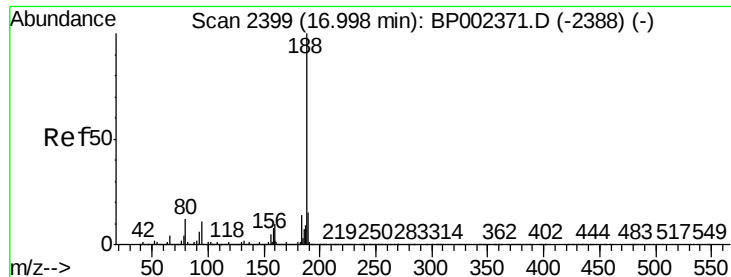


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

Instrument :

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FK-GF-03-011-A

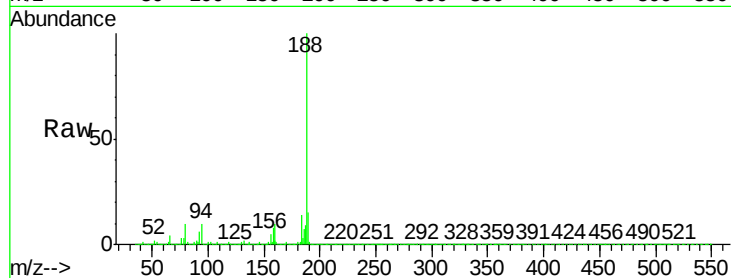
Tot Ion:188 Resp: 1085271

Ion Ratio Lower Upper

188 100

94 9.8 7.6 11.4

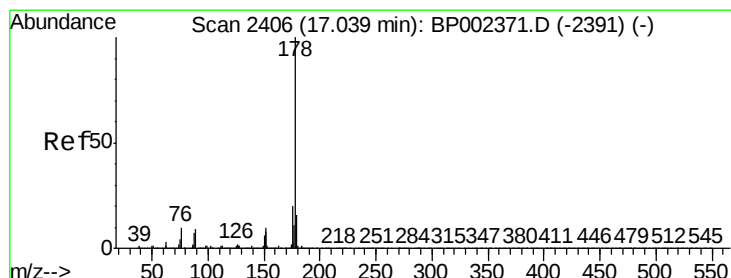
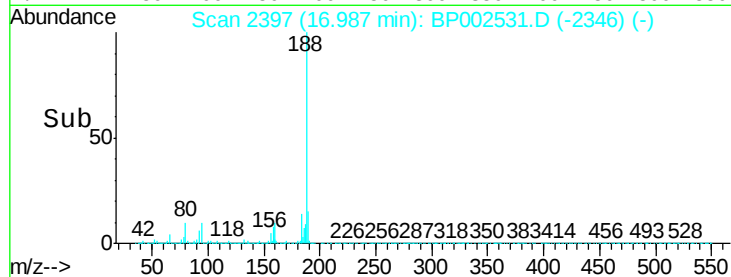
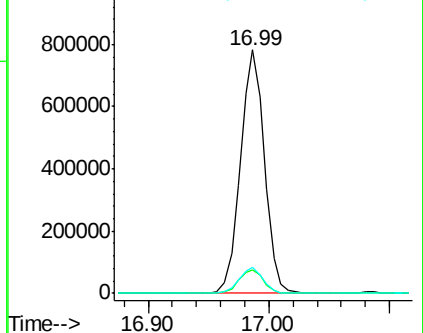
80 10.5 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 5.406 ng

RT: 17.03 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

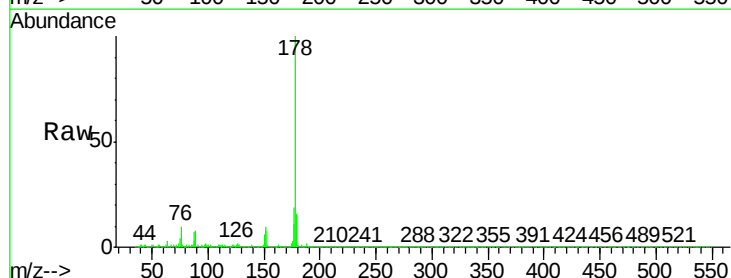
Tgt Ion:178 Resp: 274420

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

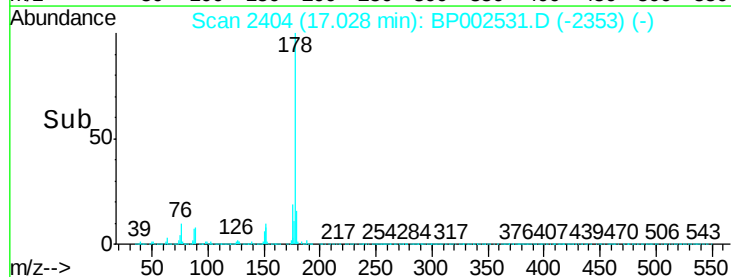
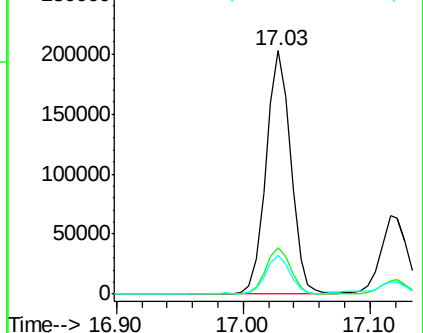
179 15.8 12.8 19.2

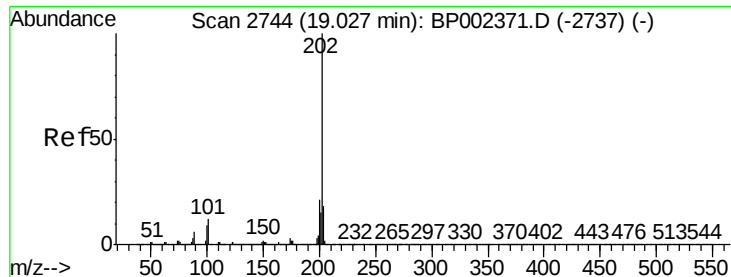


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.557 ng

RT: 19.02 min Scan# 2742

Delta R.T. 0.00 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-A

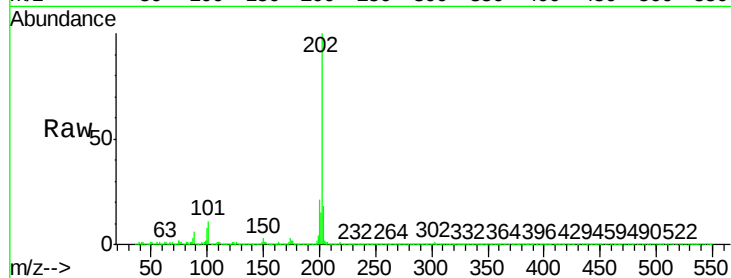
Tot Ion:202 Resp: 639752

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.3
203	17.6	0.0	36.9

202 100

101 11.0 0.0 30.3

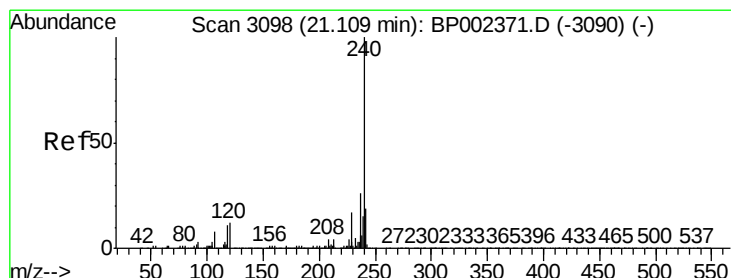
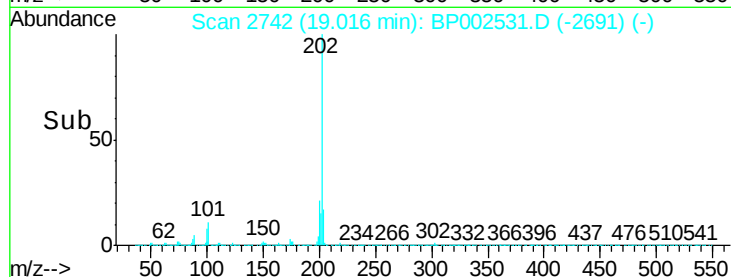
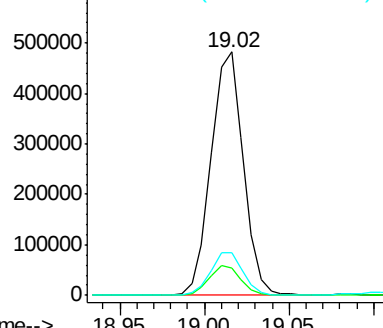
203 17.6 0.0 36.9



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.09 min Scan# 3095

Delta R.T. 0.00 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

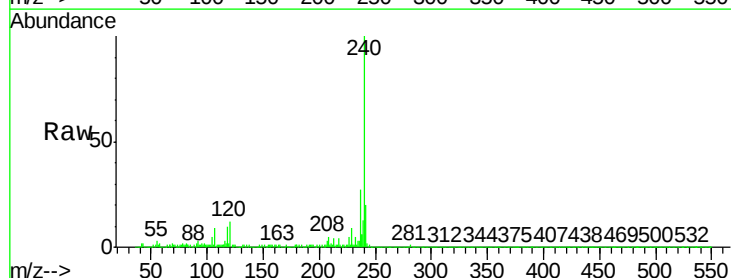
Tgt Ion:240 Resp: 753962

Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.9	13.3
236	27.0	21.7	32.5

240 100

120 11.7 8.9 13.3

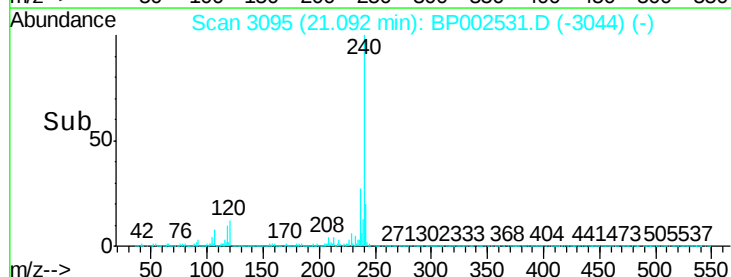
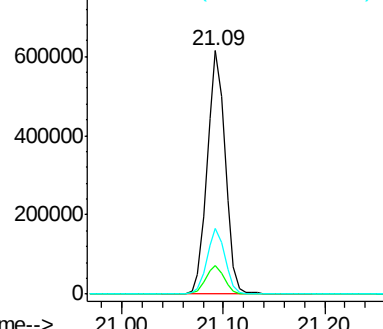
236 27.0 21.7 32.5

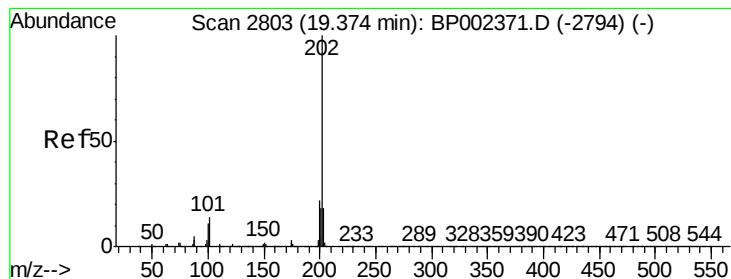


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 12.697 ng

RT: 19.36 min Scan# 2801

Delta R.T. 0.00 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-A

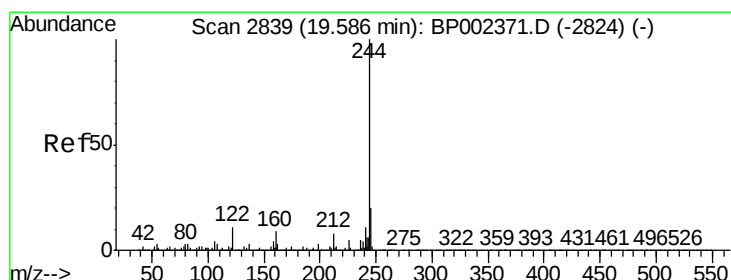
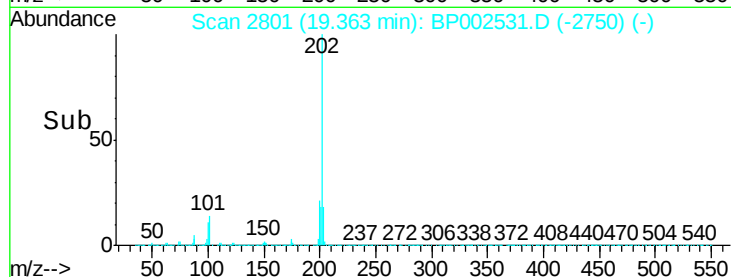
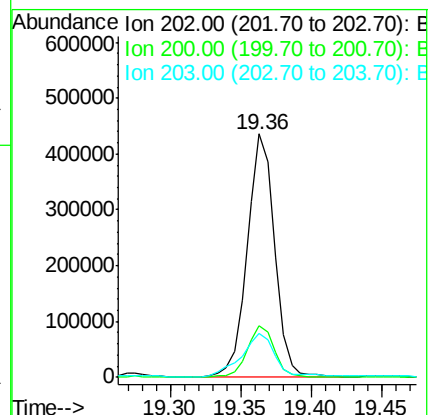
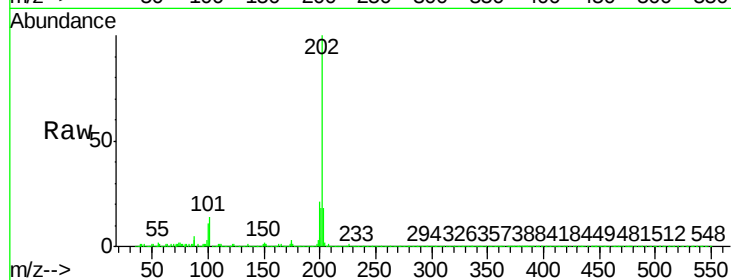
Tot Ion:202 Resp: 586400

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

203 18.2 14.1 21.1



#79

Terphenyl-d14

Concen: 146.084 ng

RT: 19.58 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

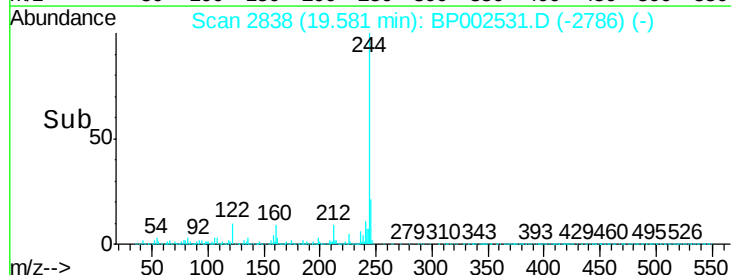
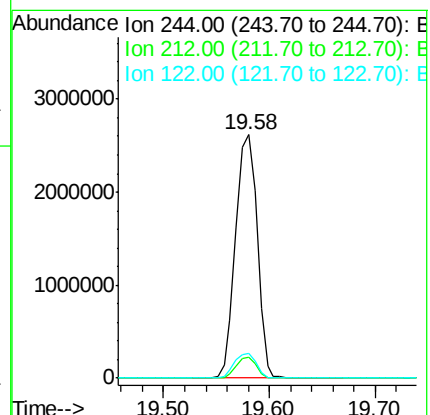
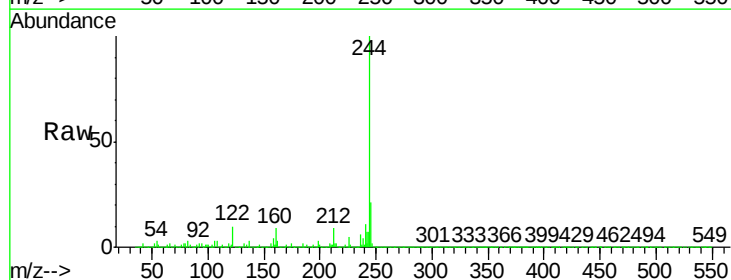
Tgt Ion:244 Resp: 3699901

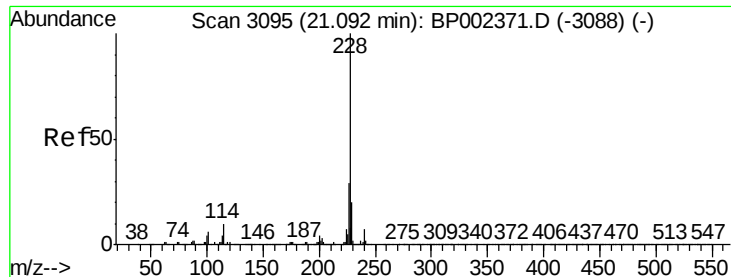
Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

122 10.1 8.0 12.0

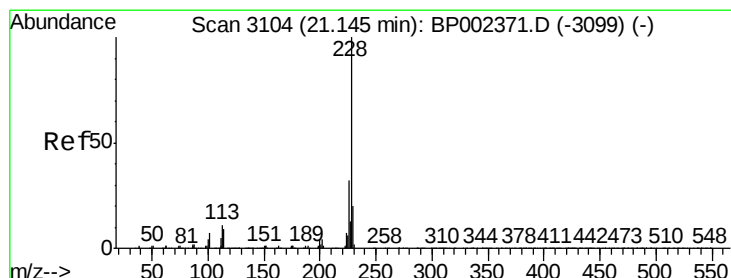
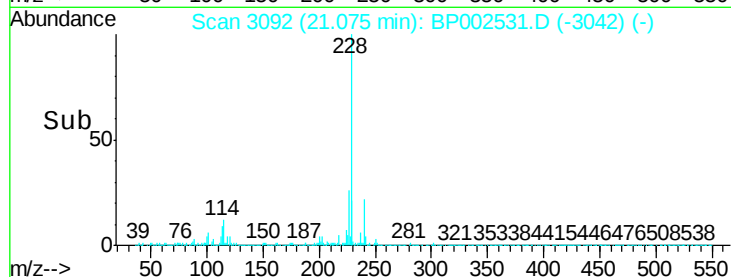
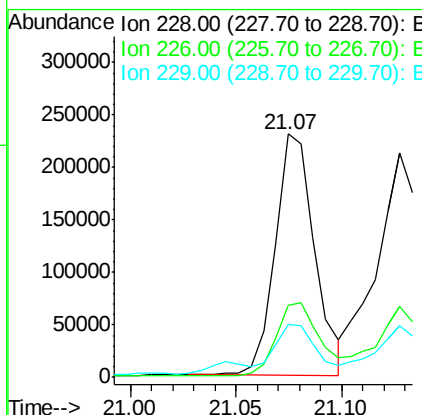
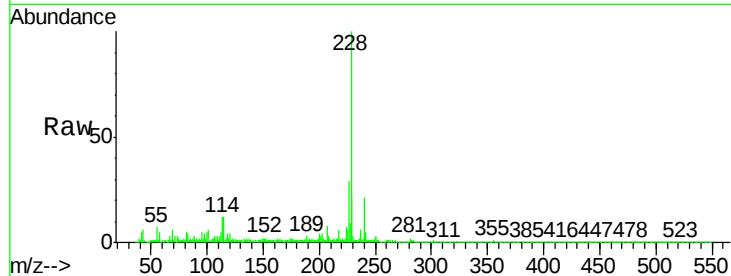




#81
Benzo(a)anthracene
Concen: 6.938 ng
RT: 21.07 min Scan# 3092
Delta R.T. -0.01 min
Lab File: BP002531.D
Acq: 24 Jun 2020 19:51

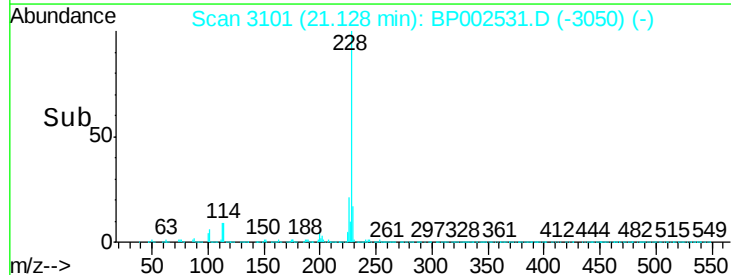
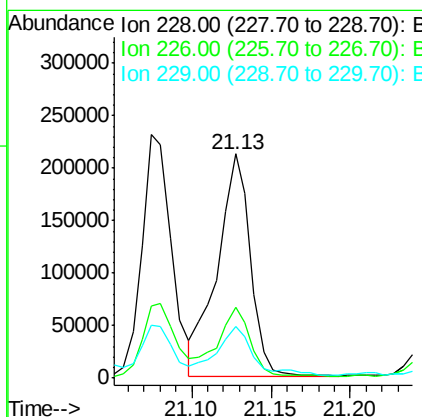
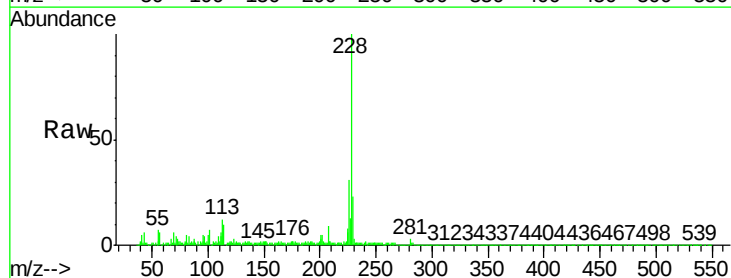
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-011-A

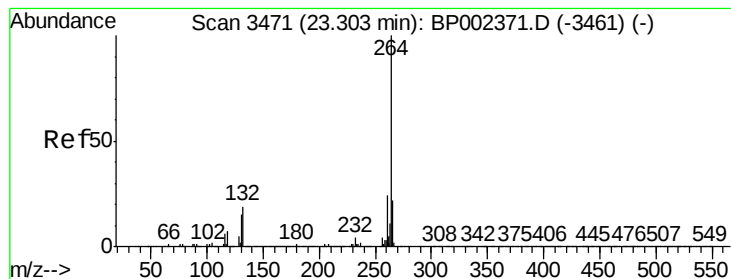
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.3	33.5
229	21.7	15.9	23.9



#83
Chrysene
Concen: 7.495 ng
RT: 21.13 min Scan# 3101
Delta R.T. 0.00 min
Lab File: BP002531.D
Acq: 24 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	23.1	15.7	23.5





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.29 min Scan# 3469

Delta R.T. 0.01 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-A

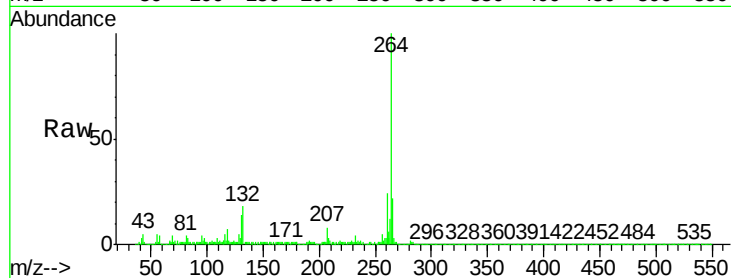
Tot Ion:264 Resp: 768483

Ion Ratio Lower Upper

264 100

260 24.5 19.7 29.5

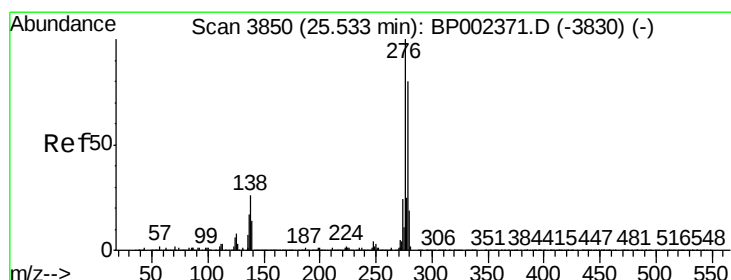
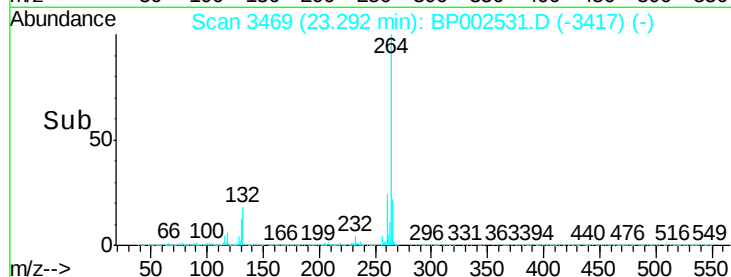
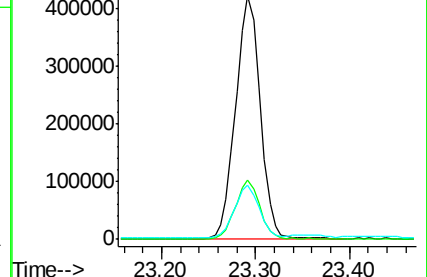
265 22.1 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.330 ng

RT: 25.50 min Scan# 3845

Delta R.T. 0.00 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

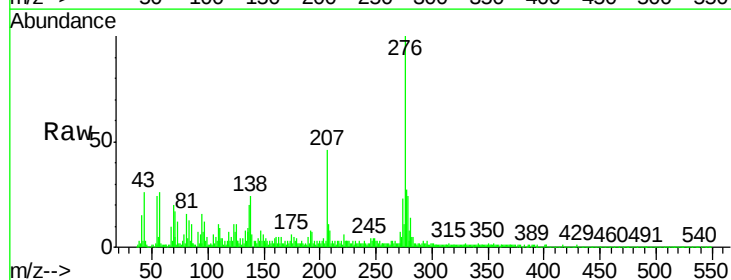
Tgt Ion:276 Resp: 208147

Ion Ratio Lower Upper

276 100

138 23.1 19.4 29.0

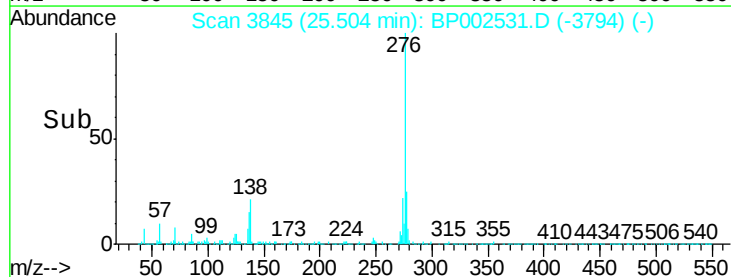
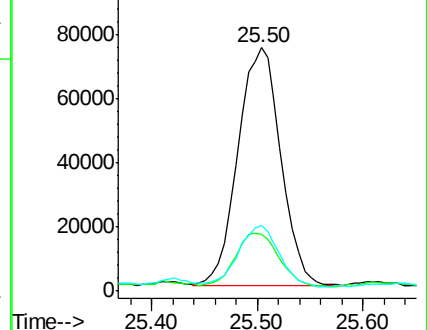
277 24.6 20.4 30.6

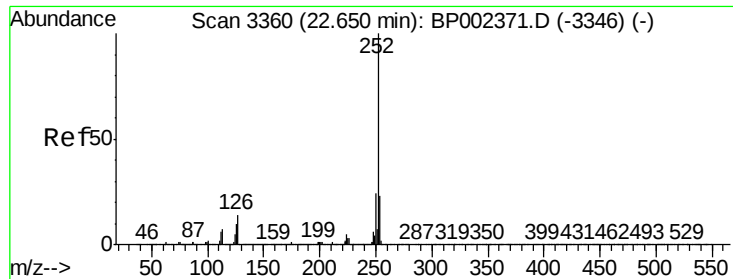


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#88

Benzo(b)fluoranthene

Concen: 9.967 ng

RT: 22.64 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-A

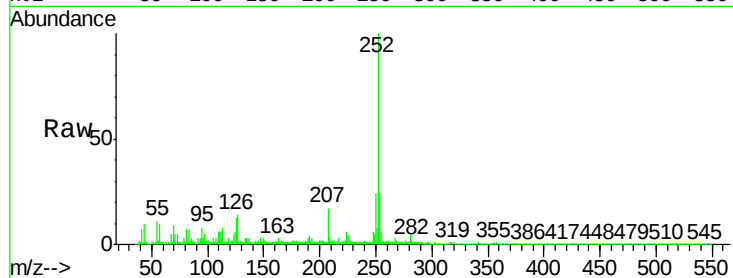
Tot Ion:252 Resp: 413074

Ion Ratio Lower Upper

252 100

253 24.4 18.1 27.1

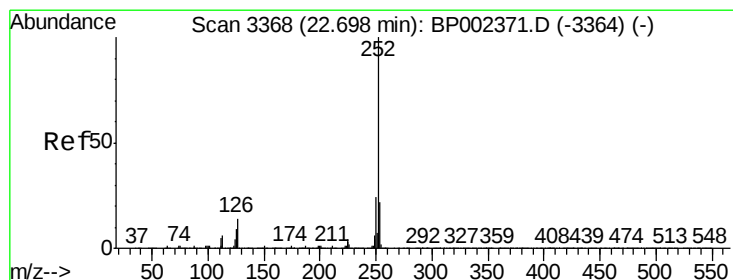
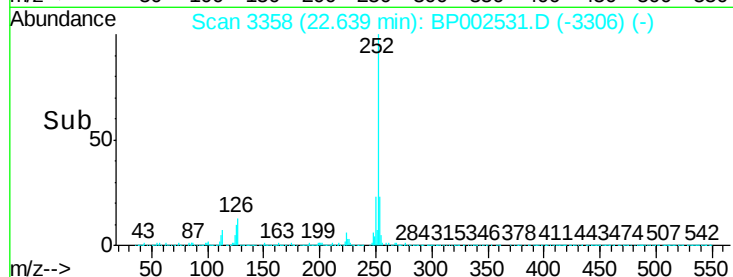
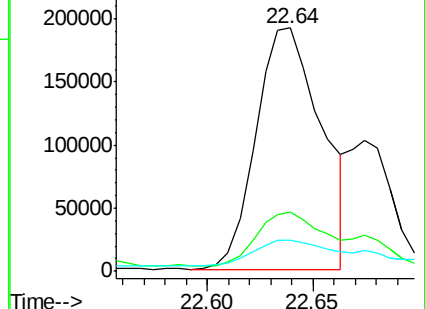
125 12.7 7.5 11.3#



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(k)fluoranthene

Concen: 10.490 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.04 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

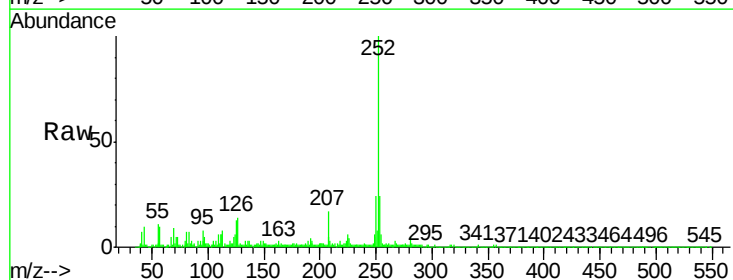
Tgt Ion:252 Resp: 413074

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

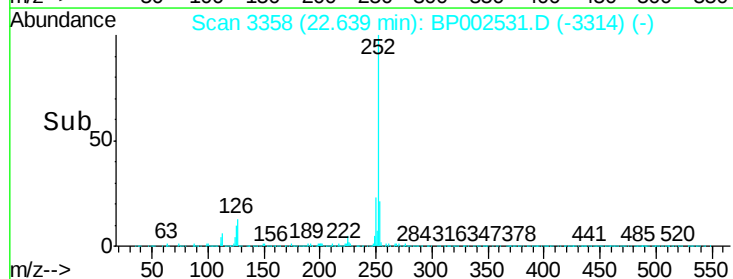
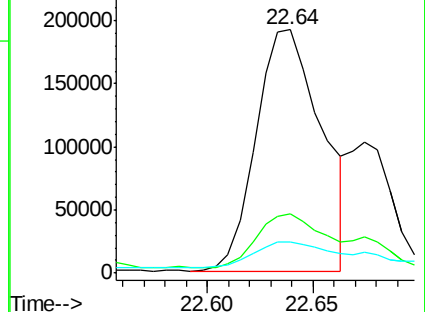
125 12.7 7.0 10.4#

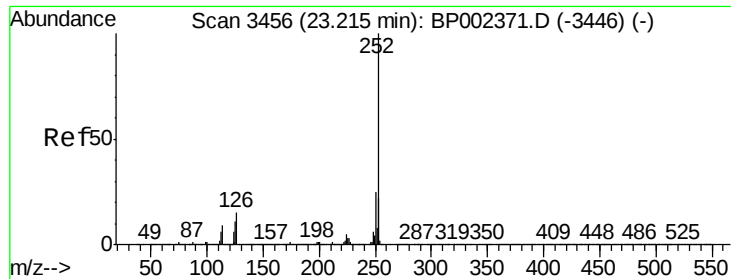


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.231 ng

RT: 23.19 min Scan# 3452

Delta R.T. 0.00 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-A

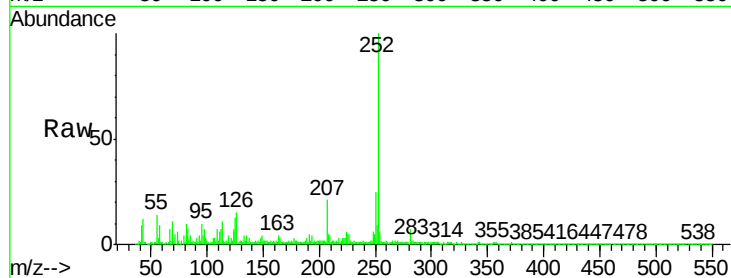
Tot Ion:252 Resp: 280820

Ion Ratio Lower Upper

252 100

253 24.2 18.2 27.4

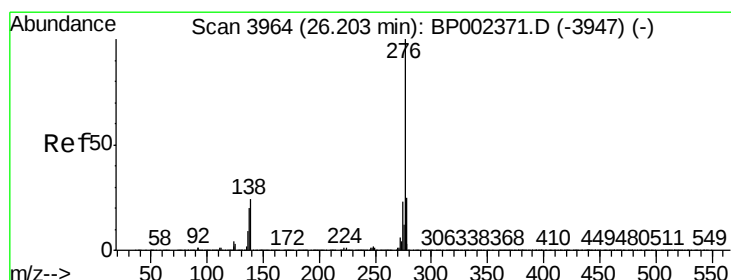
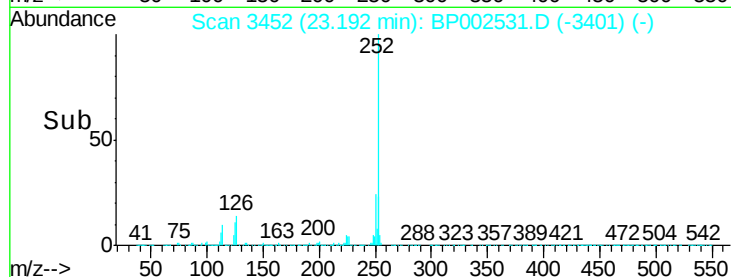
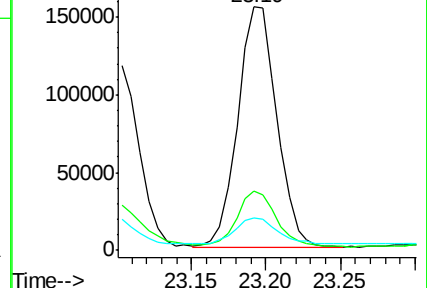
125 13.4 8.7 13.1#



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



#92

Benzo(g,h,i)perylene

Concen: 5.325 ng

RT: 26.18 min Scan# 3960

Delta R.T. 0.01 min

Lab File: BP002531.D

Acq: 24 Jun 2020 19:51

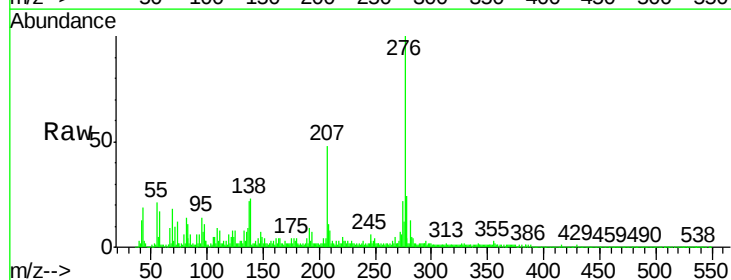
Tgt Ion:276 Resp: 212650

Ion Ratio Lower Upper

276 100

277 23.9 18.7 28.1

138 23.1 17.6 26.4



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

