

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114960.D
 Acq On : 11 Jun 2019 22:54
 Operator : HP/JU
 Sample : K3247-03RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-041-B

Quant Time: Jun 12 04:33:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	274409	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	1041373	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	477262	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	797603	20.00	ng	0.00
76) Chrysene-d12	13.79	240	601607	20.00	ng	0.00
87) Perylene-d12	15.17	264	504011	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1572985	97.01	ng	0.00
7) Phenol-d6	6.31	99	1951114	99.76	ng	0.00
23) Nitrobenzene-d5	7.22	82	1186520	70.01	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	431645	83.14	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	2004153	66.65	ng	0.00
79) Terphenyl-d14	12.74	244	1710586	56.55	ng	0.00

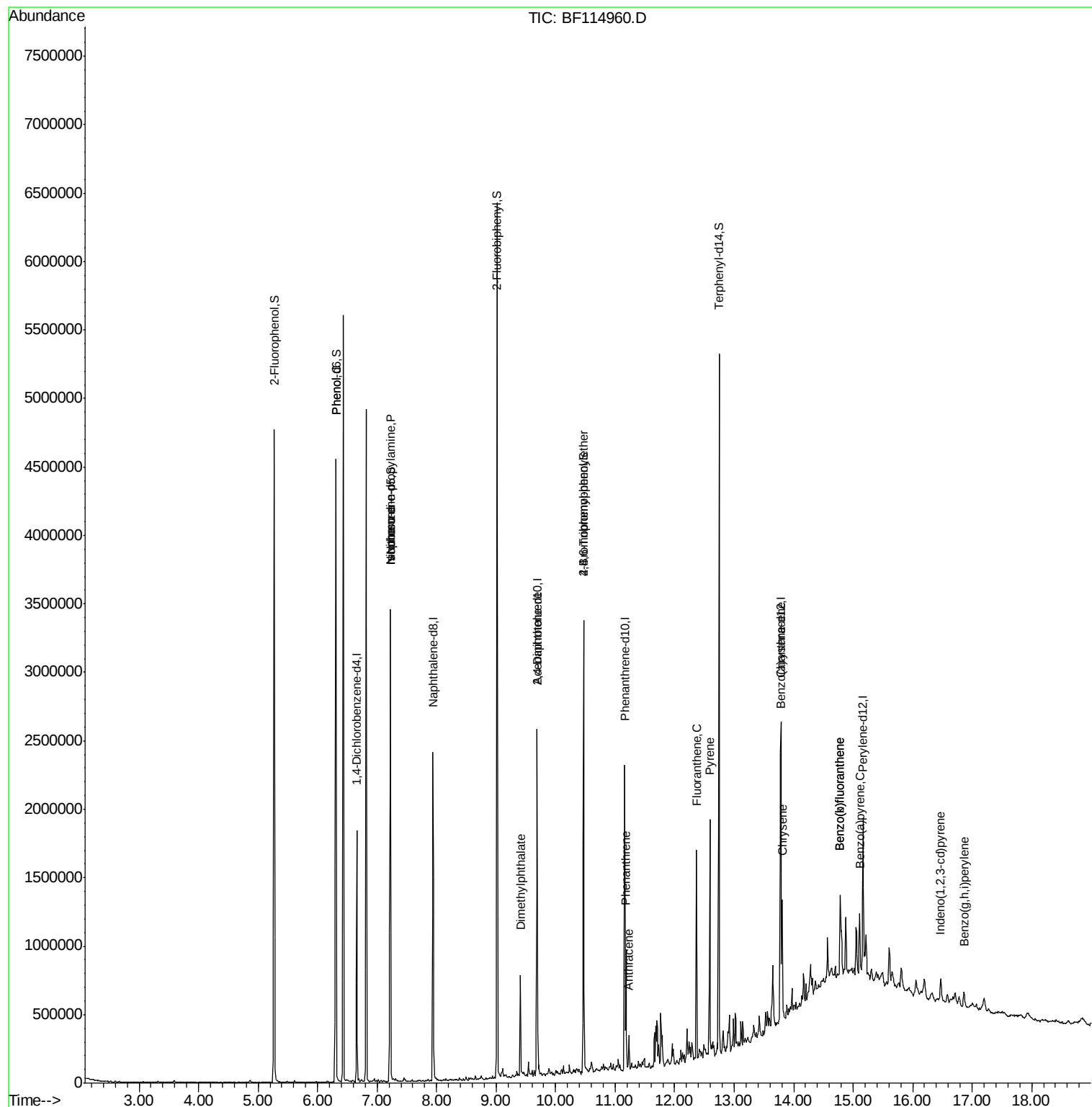
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.32	94	54205	2.486	ng	# 73
19) n-Nitroso-di-n-propylamine	7.22	70	158125	12.930	ng	# 76
25) Isophorone	7.22	82	1170453	35.266	ng	# 62
50) Dimethylphthalate	9.41	163	304711	8.495	ng	97
57) 2,4-Dinitrotoluene	9.69	165	64206	6.165	ng	# 27
67) 4-Bromophenyl-phenylether	10.47	248	28468	3.295	ng	# 1
71) Phenanthrene	11.19	178	322143	8.325	ng	95
72) Anthracene	11.23	178	85468	2.176	ng	95
75) Fluoranthene	12.37	202	616631	15.406	ng	95
78) Pyrene	12.59	202	665088	12.694	ng	96
81) Benzo(a)anthracene	13.77	228	366274	8.234	ng	97
83) Chrysene	13.81	228	319751	7.158	ng	97
86) Indeno(1,2,3-cd)pyrene	16.47	276	106085	2.526	ng	93
88) Benzo(b)fluoranthene	14.78	252	417561	12.726	ng	97
89) Benzo(k)fluoranthene	14.78	252	417561	14.663	ng	# 97
90) Benzo(a)pyrene	15.11	252	209190	7.340	ng	97
92) Benzo(a,h,i)perylene	16.86	276	94898	3.955	ng	97

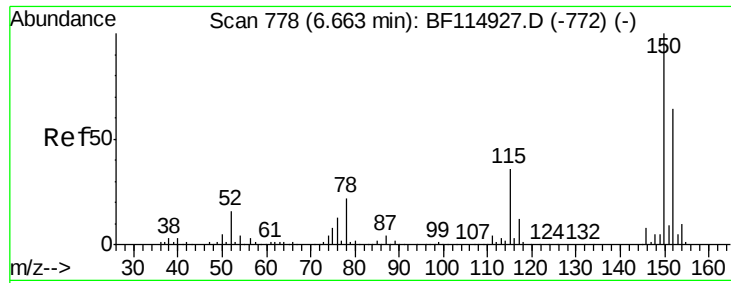
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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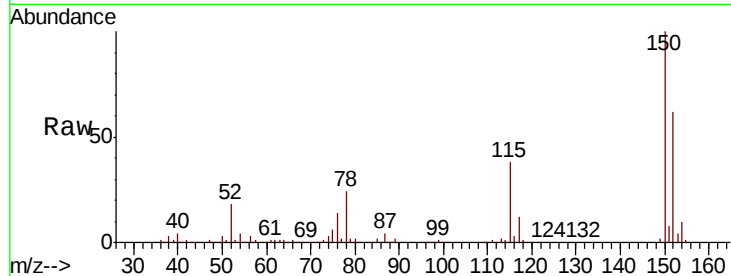


#1

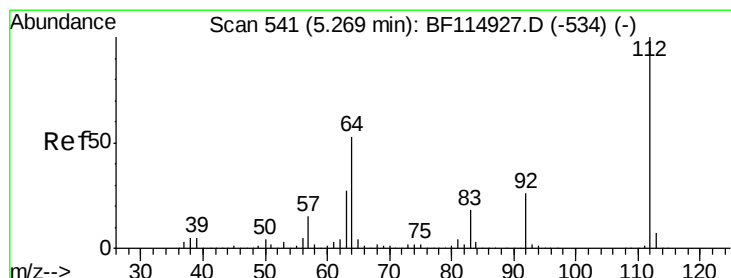
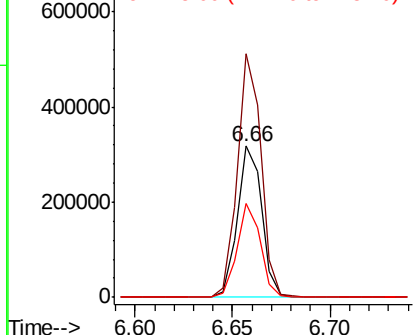
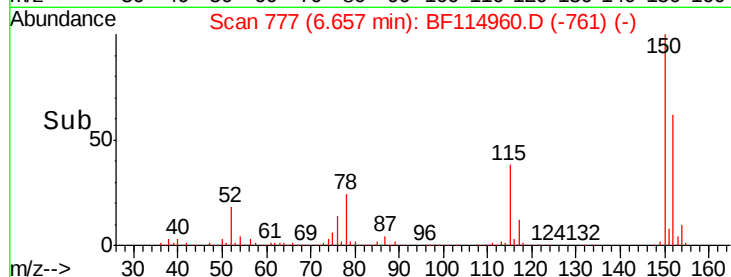
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-B

Tot Ion:152 Resp: 274409
Ion Ratio Lower Upper
152 100
150 161.3 125.2 187.8
115 62.0 45.0 67.4



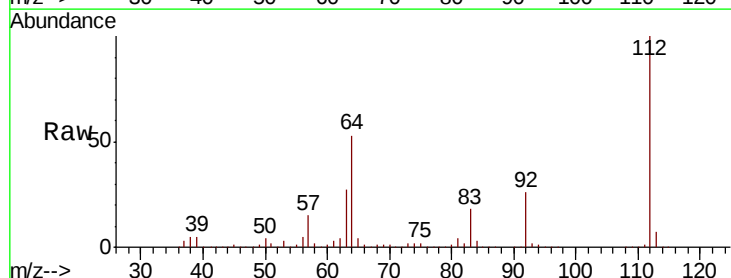
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



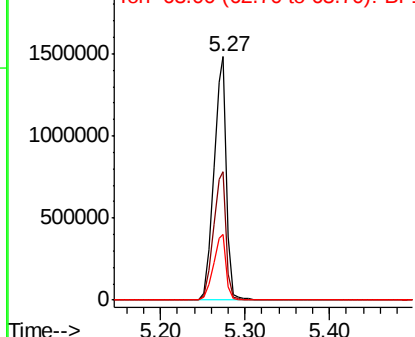
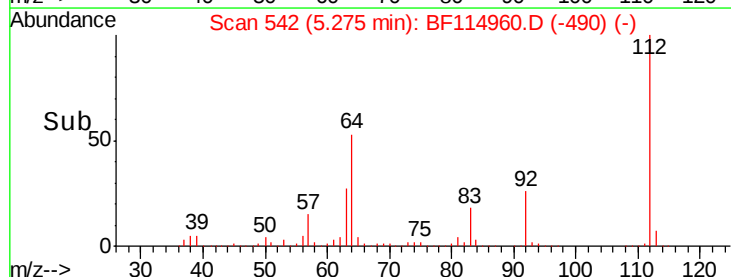
#5

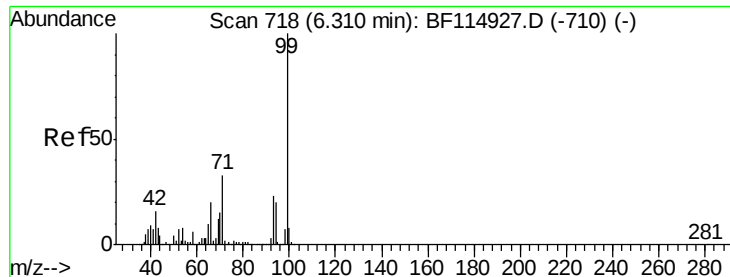
2-Fluorophenol
Concen: 97.014 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Tgt Ion:112 Resp: 1572985
Ion Ratio Lower Upper
112 100
64 52.6 42.1 63.1
63 27.1 21.8 32.8



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: 99.764 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

Instrument :

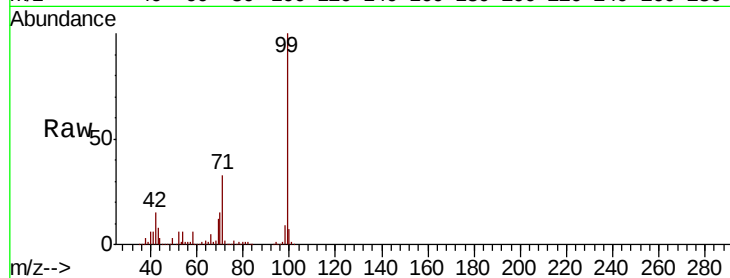
BNA_F

ClientSampleId :

FK-GF-02-041-B

Tot Ion: 99 Resp: 1951114

Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.1	19.7
71	32.7	26.8	40.2

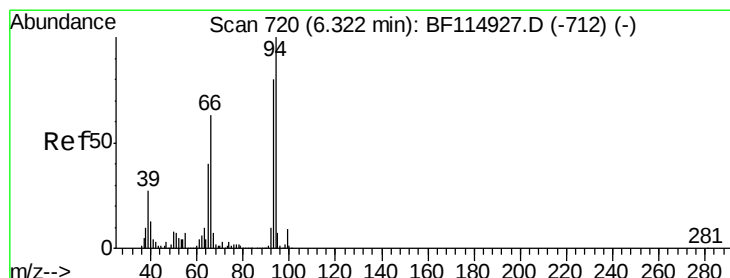
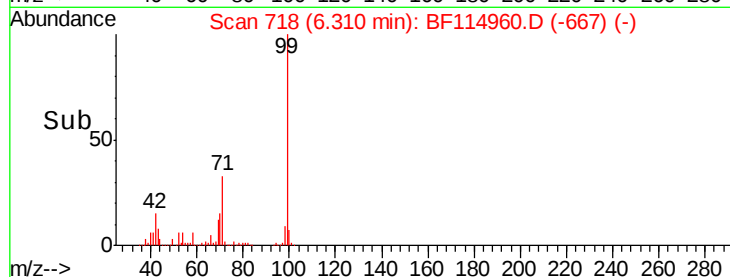
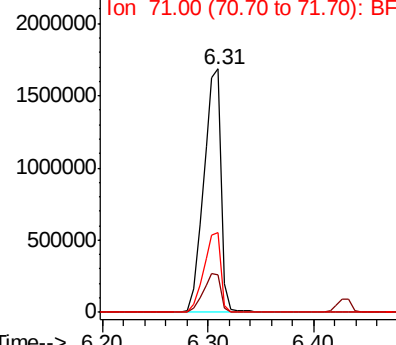


Abundance

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: 2.486 ng

RT: 6.32 min Scan# 719

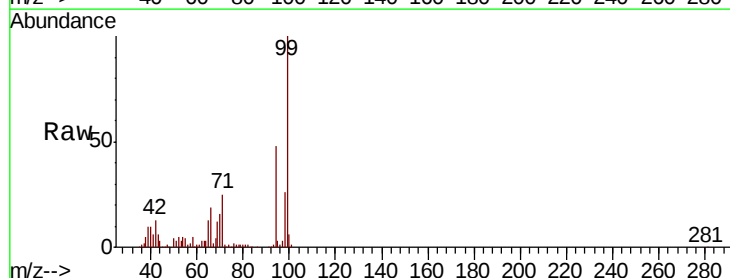
Delta R.T. -0.01 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

Tgt Ion: 94 Resp: 54205

Ion	Ratio	Lower	Upper
94	100		
65	27.2	19.6	59.6
66	38.8	42.6	82.6#

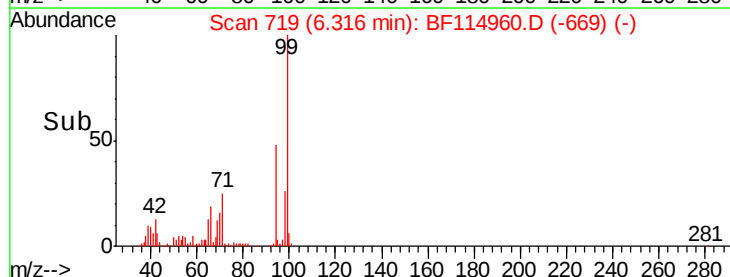
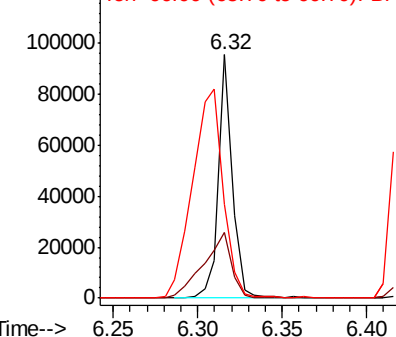


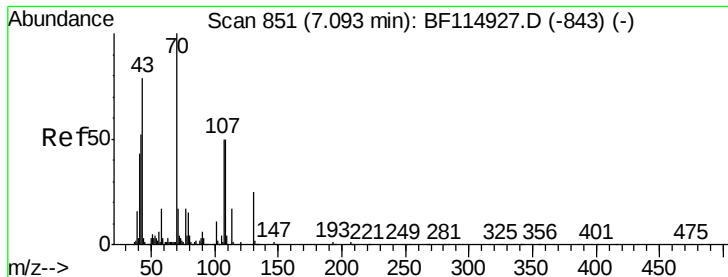
Abundance

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: 12.930 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

Instrument :

BNA_F

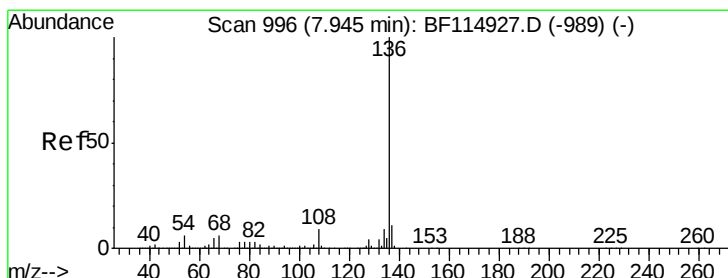
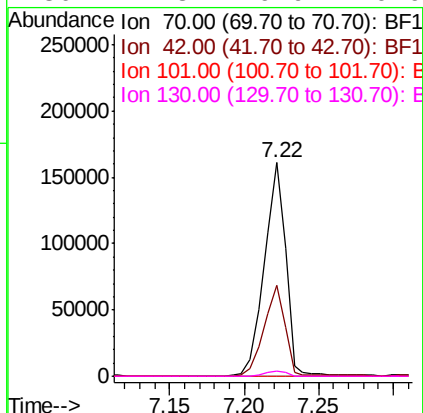
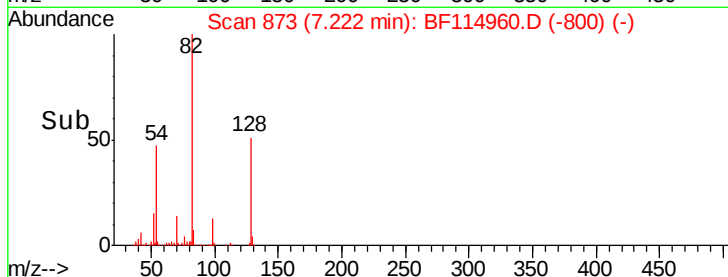
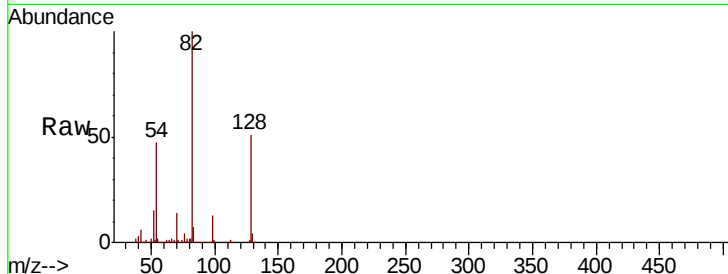
ClientSampleId :

FK-GF-02-041-B

Tot Ion: 70 Resp: 158125

Ion Ratio Lower Upper

70	100		
42	42.8	41.7	62.5
101	0.0	8.4	12.6#
130	2.3	19.9	29.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

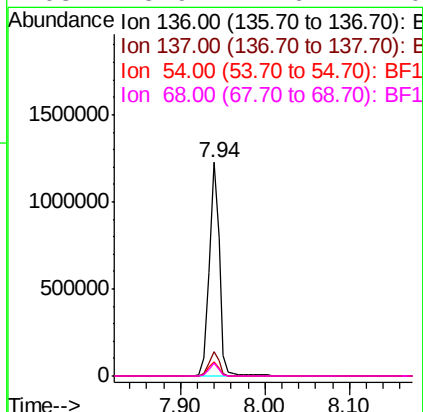
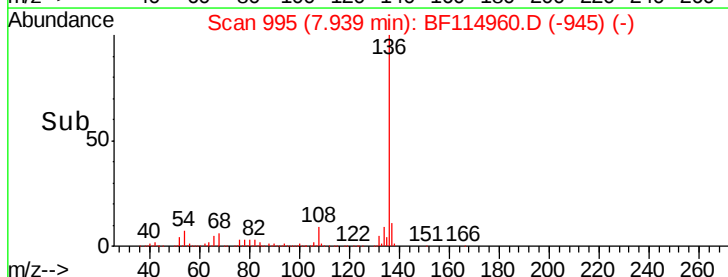
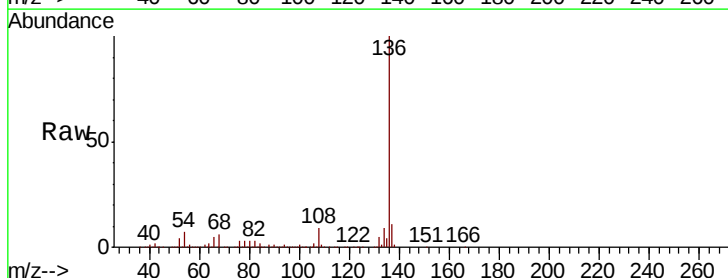
Lab File: BF114960.D

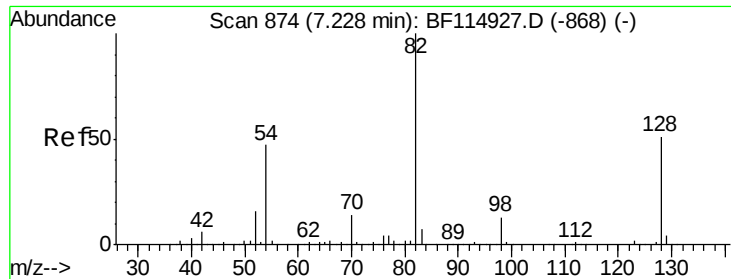
Acq: 11 Jun 2019 22:54

Tgt Ion: 136 Resp: 1041373

Ion Ratio Lower Upper

136	100		
137	11.4	9.0	13.6
54	6.8	5.2	7.8
68	5.9	4.6	7.0

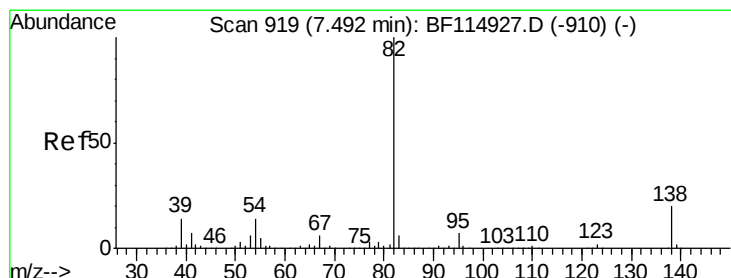
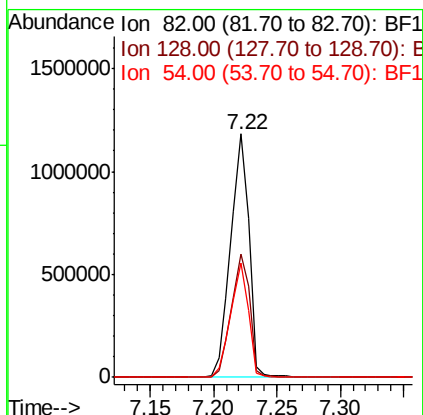
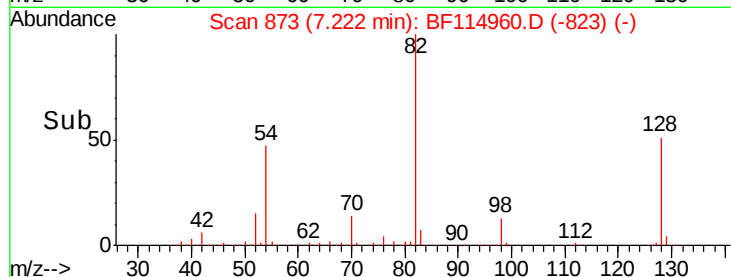
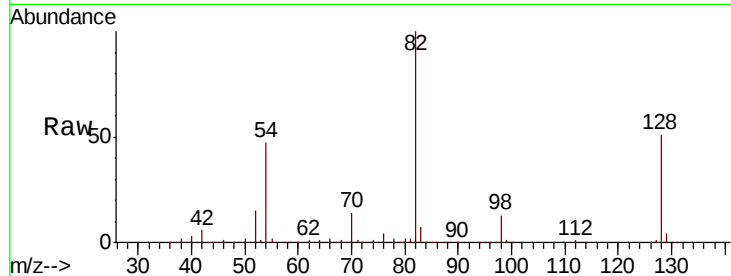




#23
Nitrobenzene-d5
Concen: 70.006 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

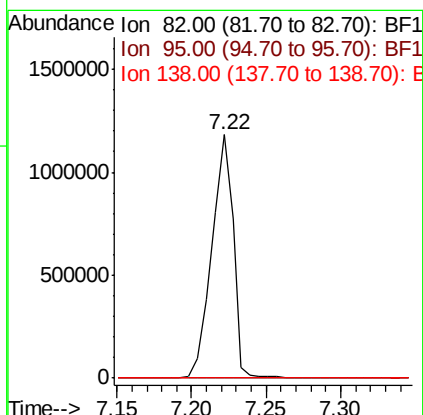
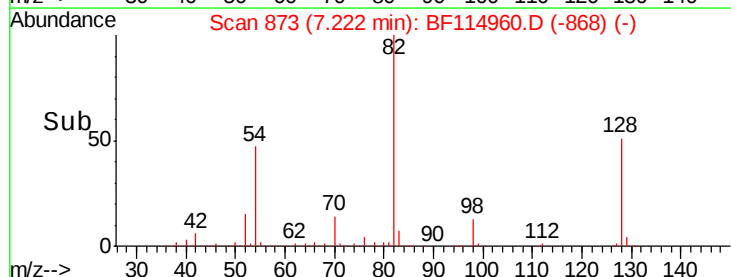
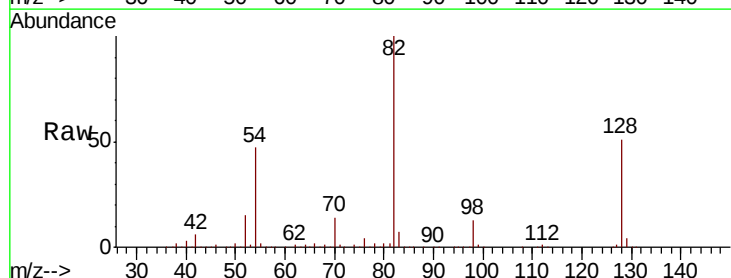
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-B

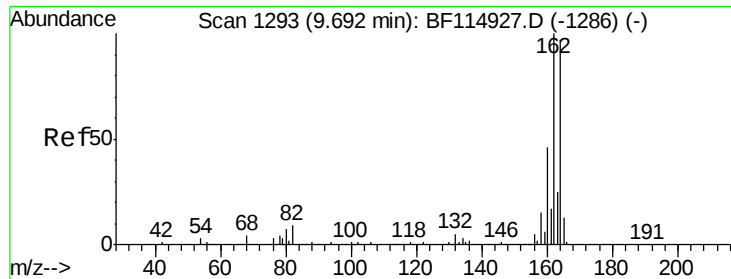
Tot Ion: 82 Resp: 1186520
Ion Ratio Lower Upper
82 100
128 50.6 40.9 61.3
54 47.2 37.4 56.0



#25
Isophorone
Concen: 35.266 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.27 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Tgt Ion: 82 Resp: 1170453
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 16.4 24.6#

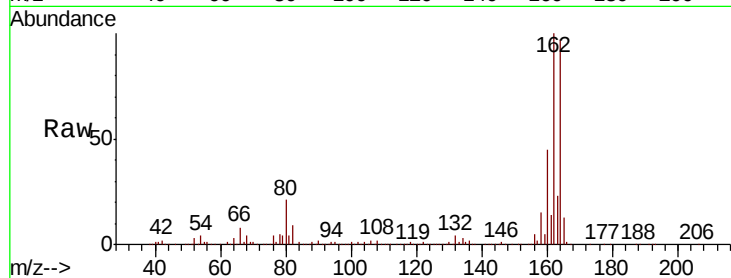




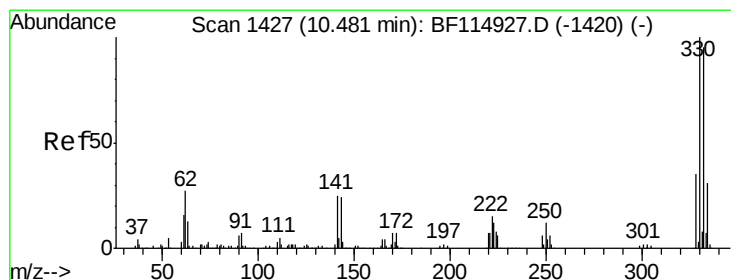
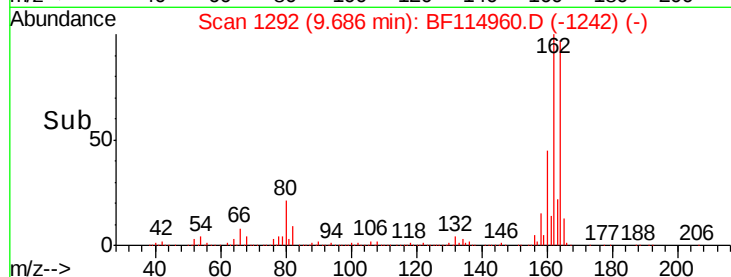
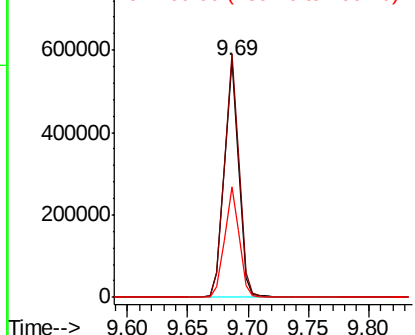
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-041-B

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.4	123.6
160	46.4	37.5	56.3

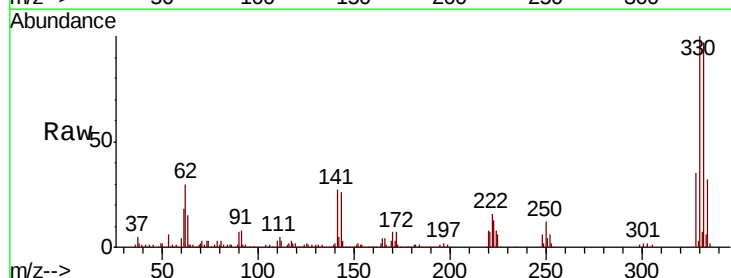


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

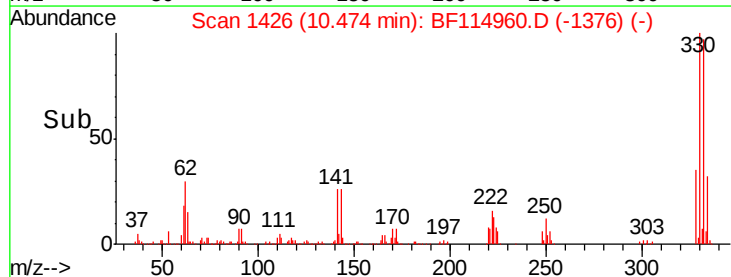
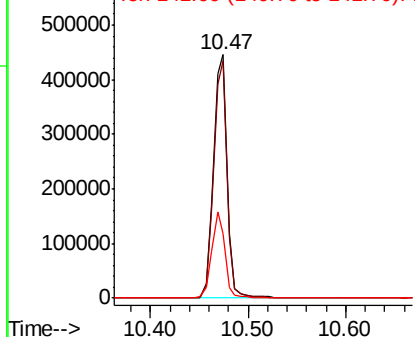


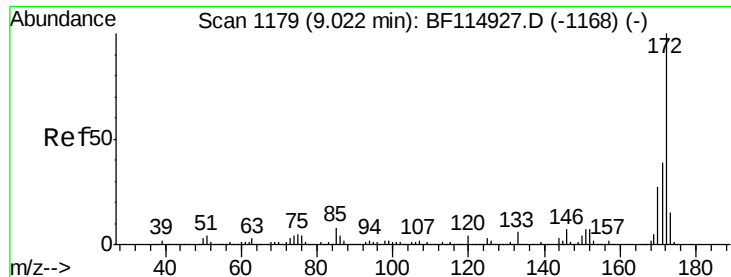
#42
 2,4,6-Tribromophenol
 Concen: 83.141 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.4	114.6
141	34.0	26.8	40.2



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





#45

2-Fluorobiphenyl

Concen: 66.645 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-B

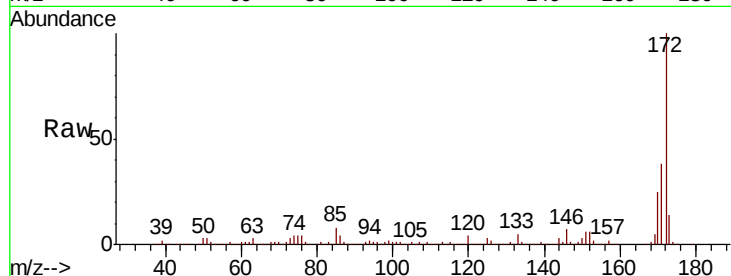
Tot Ion:172 Resp: 2004153

Ion Ratio Lower Upper

172 100

171 37.6 31.3 46.9

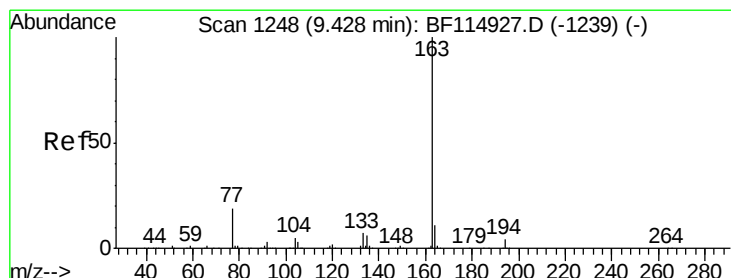
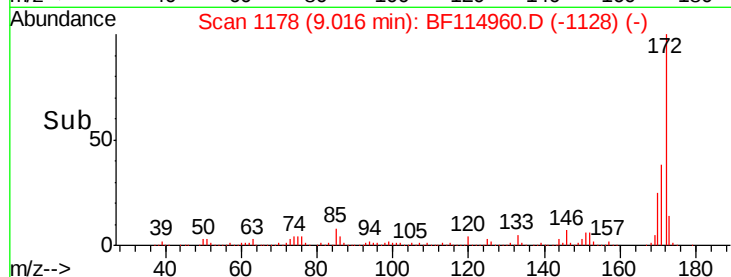
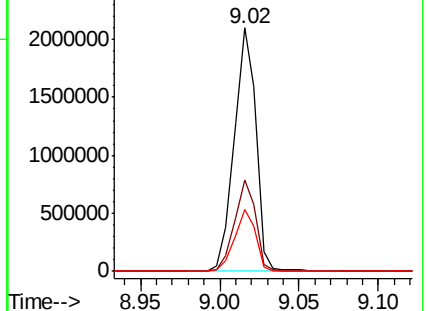
170 25.4 21.4 32.0



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



#50

Dimethylphthalate

Concen: 8.495 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

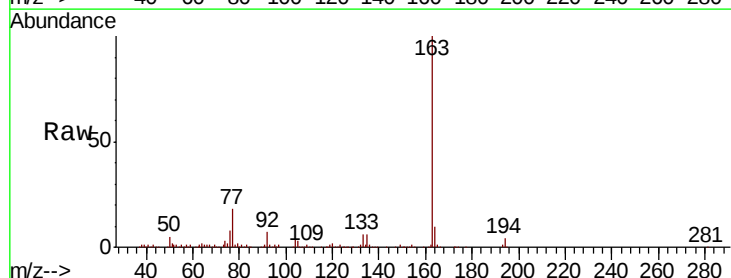
Tgt Ion:163 Resp: 304711

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

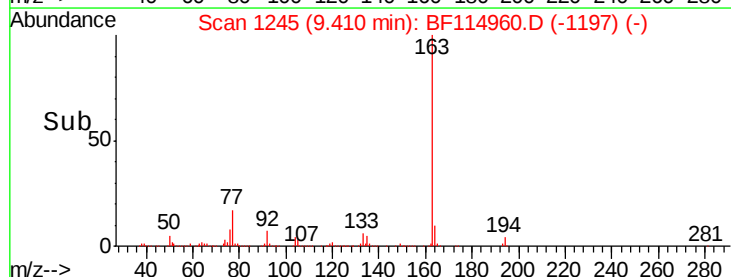
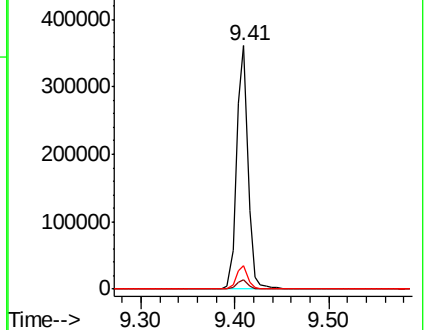
164 9.7 8.7 13.1

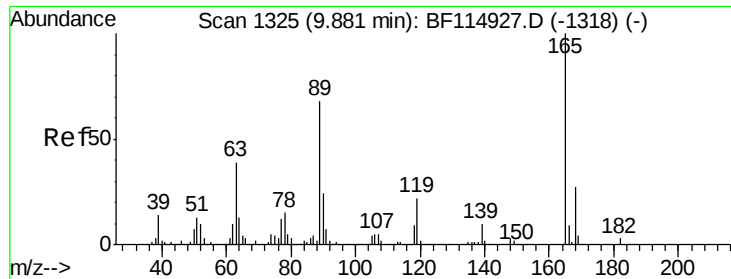


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

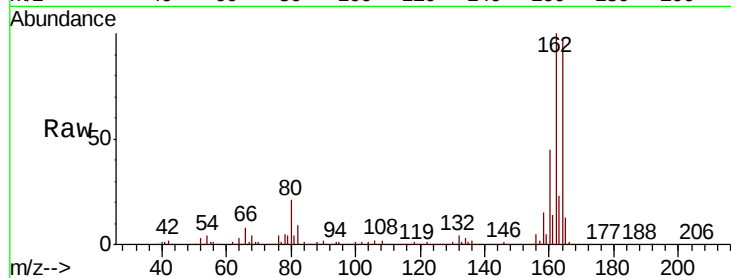




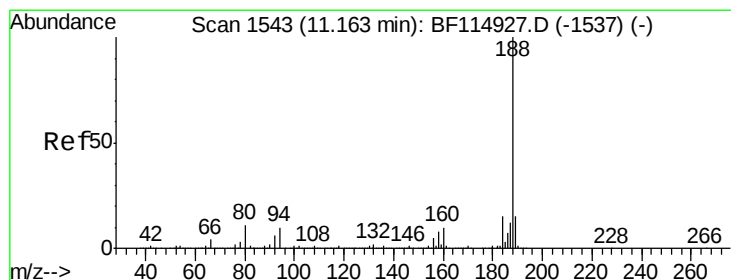
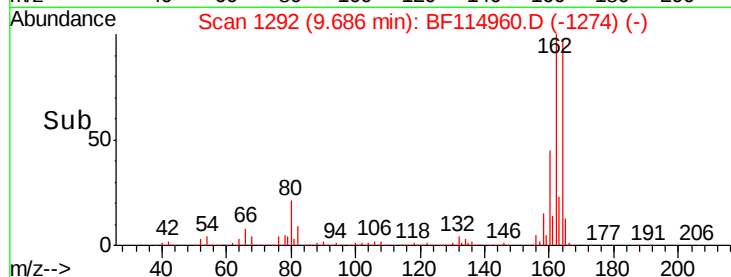
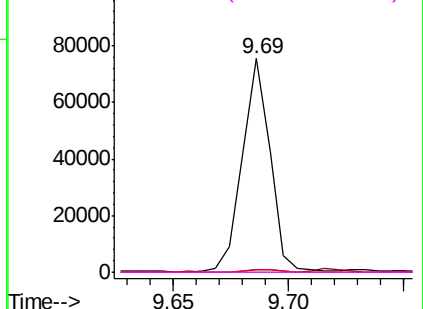
#57
 2,4-Dinitrotoluene
 Concen: 6.165 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.19 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-041-B

Tot Ion:165 Resp: 64206
 Ion Ratio Lower Upper
 165 100
 63 1.3 31.8 47.6#
 89 1.5 54.2 81.2#
 182 0.0 2.1 3.1#

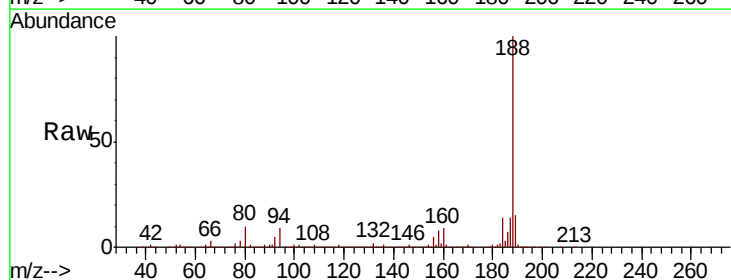


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

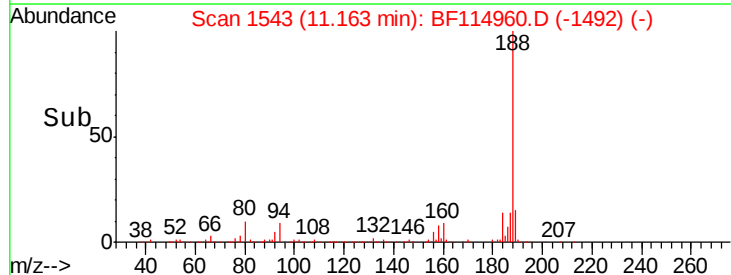
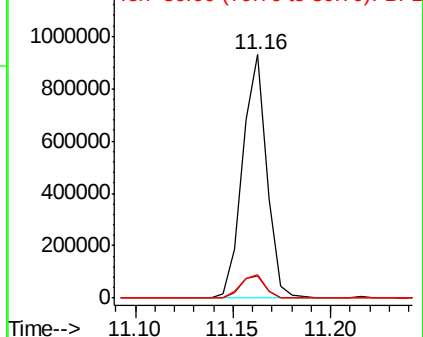


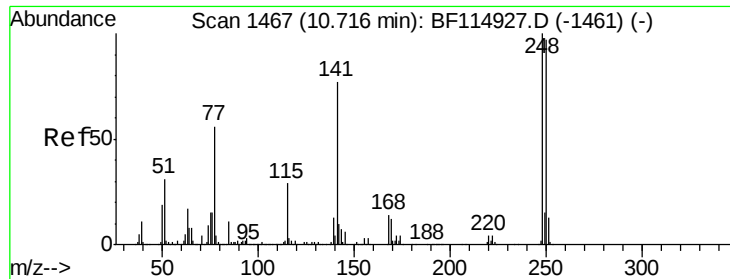
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.00 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

Tgt Ion:188 Resp: 797603
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.1 12.1
 80 9.7 8.6 12.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

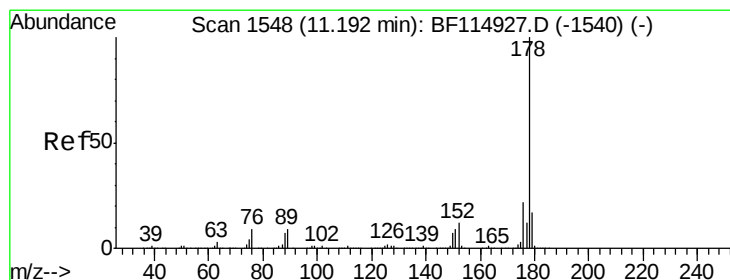
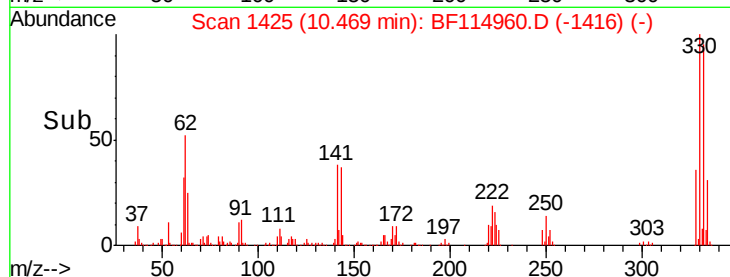
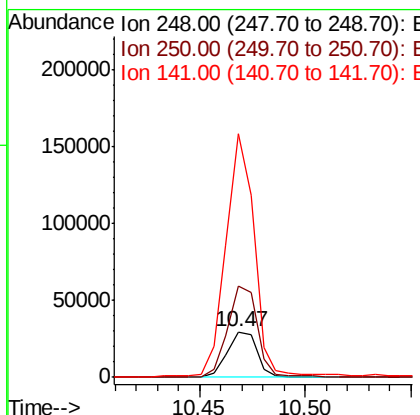
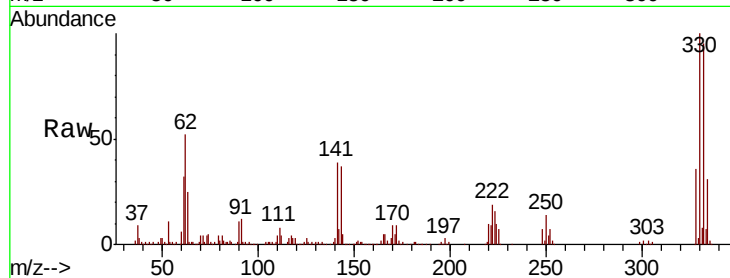




#67
 4-Bromophenyl-phenylether
 Concen: 3.295 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.25 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

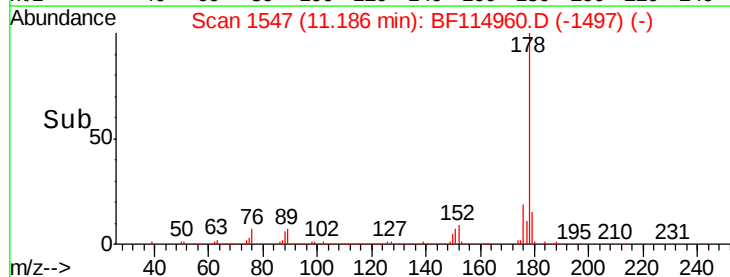
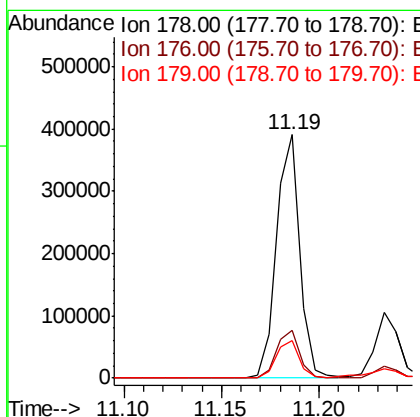
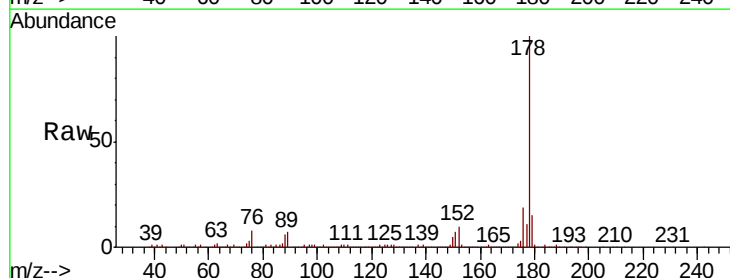
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-041-B

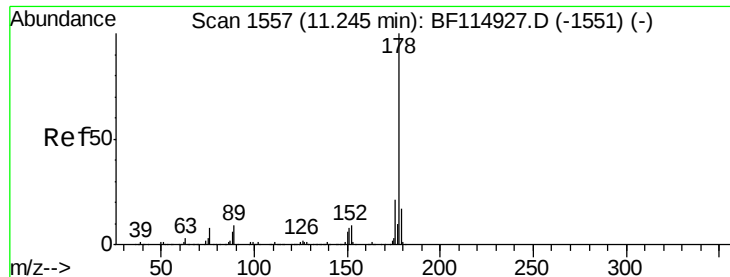
Tot Ion:248 Resp: 28468
 Ion Ratio Lower Upper
 248 100
 250 201.2 77.4 116.0#
 141 538.3 61.8 92.6#



#71
 Phenanthrene
 Concen: 8.325 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.01 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

Tgt Ion:178 Resp: 322143
 Ion Ratio Lower Upper
 178 100
 176 19.5 17.4 26.2
 179 15.2 13.6 20.4





#72

Anthracene

Concen: 2.176 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-B

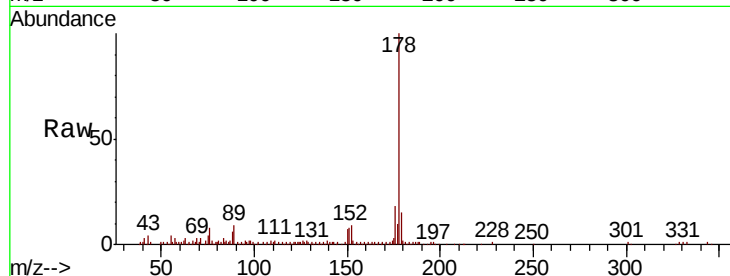
Tot Ion:178 Resp: 85468

Ion Ratio Lower Upper

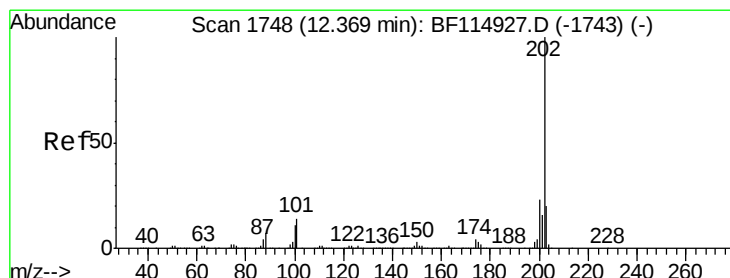
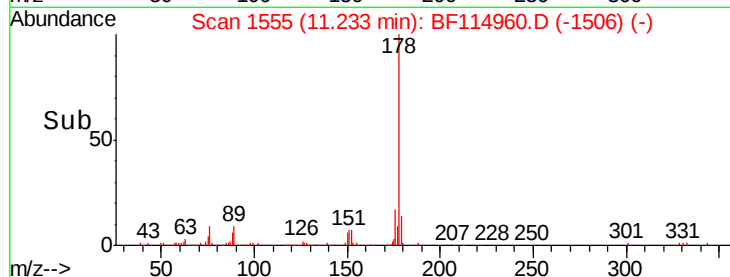
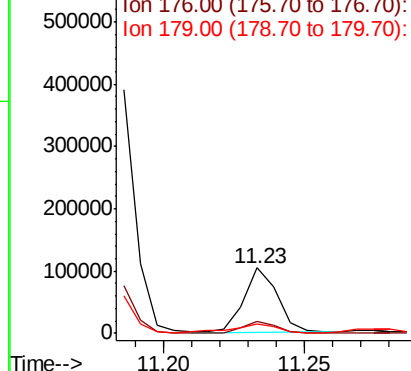
178 100

176 17.7 16.6 25.0

179 15.2 13.4 20.2



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: 15.406 ng

RT: 12.37 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

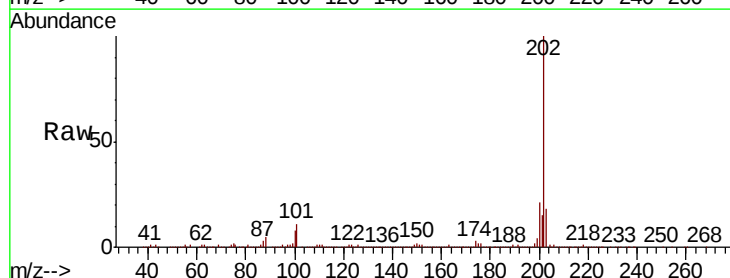
Tgt Ion:202 Resp: 616631

Ion Ratio Lower Upper

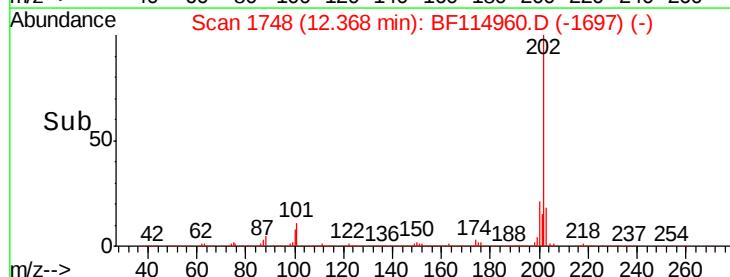
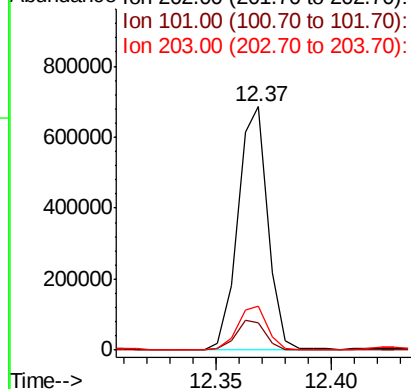
202 100

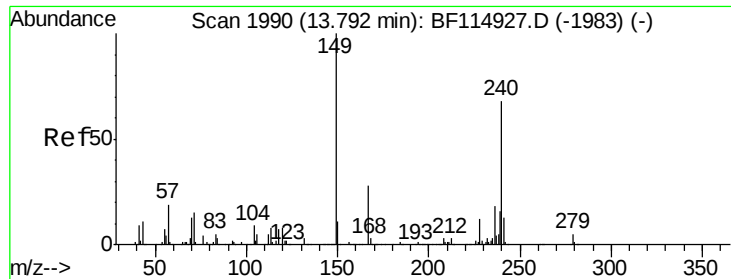
101 11.5 0.0 34.3

203 17.9 0.0 39.6



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

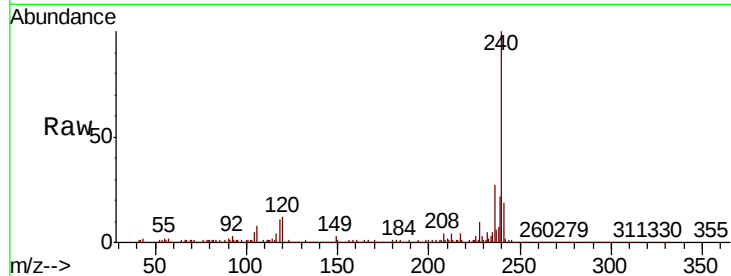




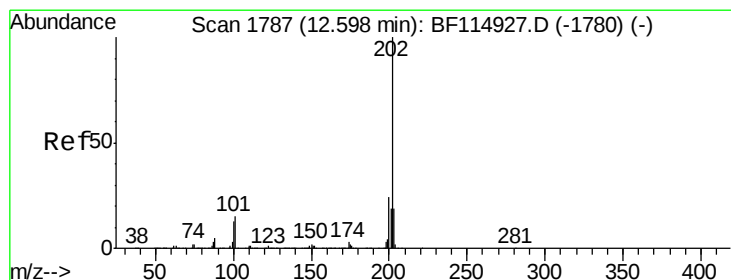
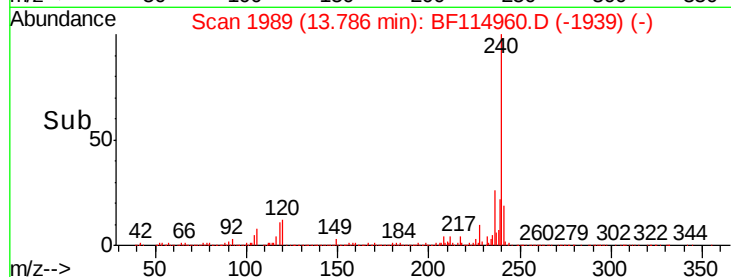
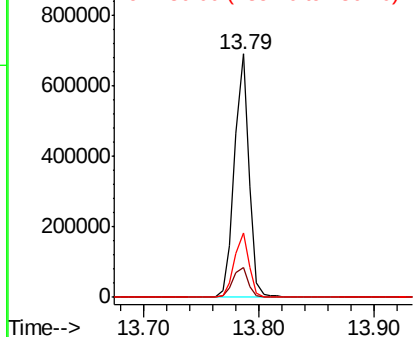
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-B

Tot Ion:240 Resp: 601607
Ion Ratio Lower Upper
240 100
120 12.2 9.2 13.8
236 26.5 21.7 32.5

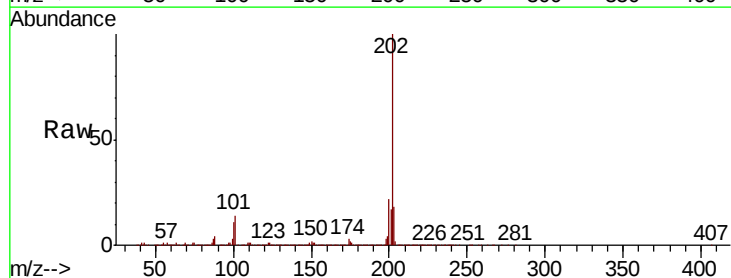


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

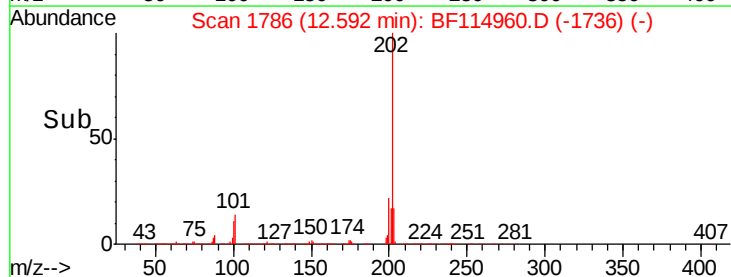
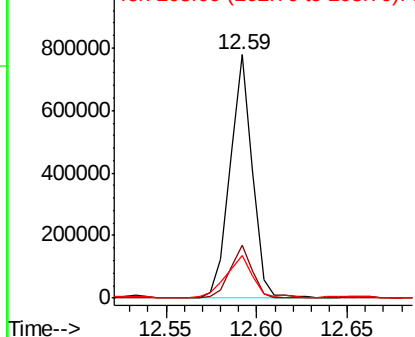


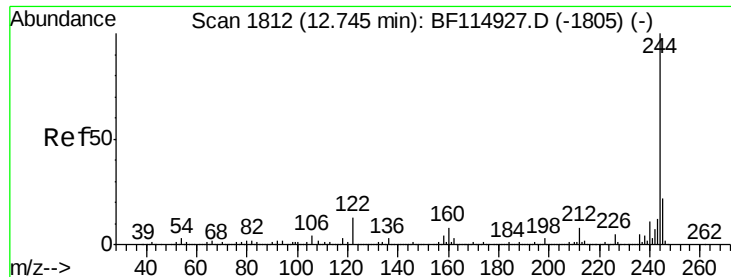
#78
Pyrene
Concen: 12.694 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Tgt Ion:202 Resp: 665088
Ion Ratio Lower Upper
202 100
200 21.6 18.9 28.3
203 17.6 15.2 22.8



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

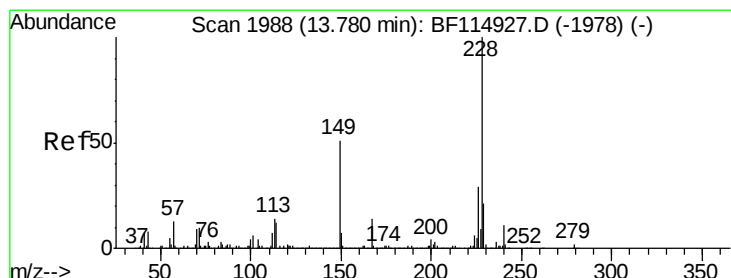
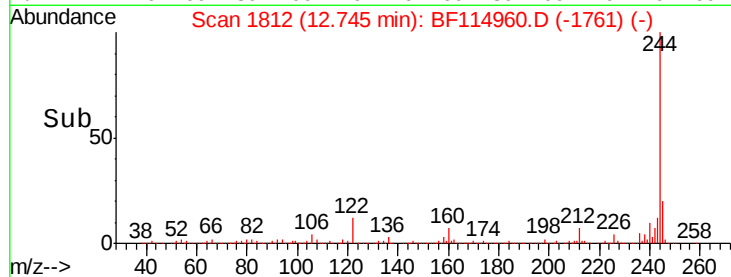
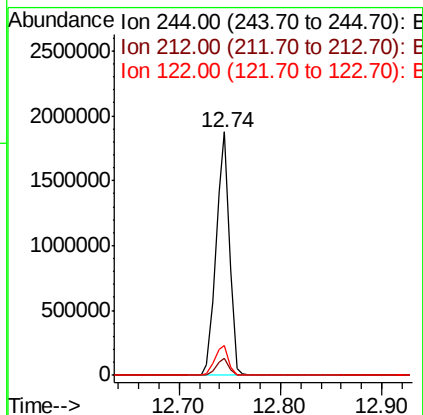
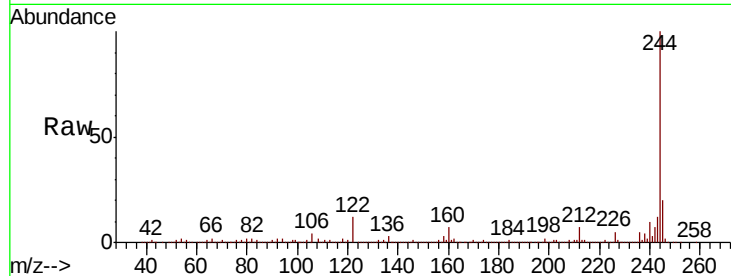




#79
 Terphenyl-d14
 Concen: 56.546 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

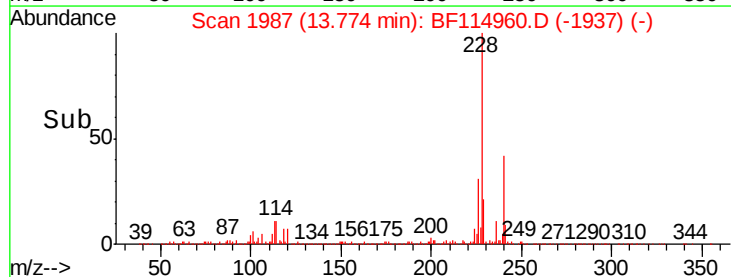
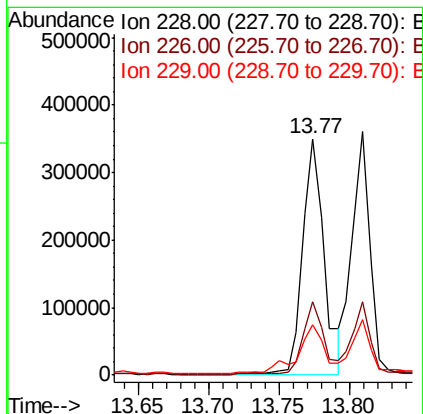
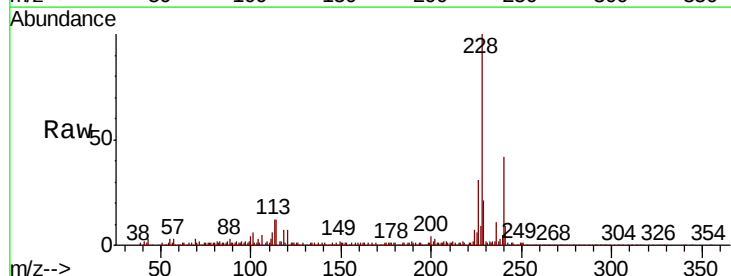
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-041-B

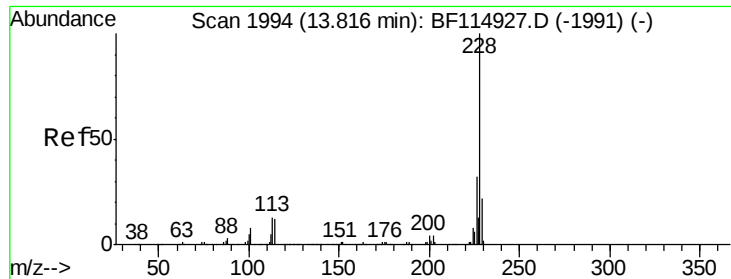
Tot Ion:244 Resp: 1710586
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 12.0 10.2 15.4



#81
 Benzo(a)anthracene
 Concen: 8.234 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.01 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

Tgt Ion:228 Resp: 366274
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.8 34.2
 229 21.4 16.6 25.0





#83

Chrysene

Concen: 7.158 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-B

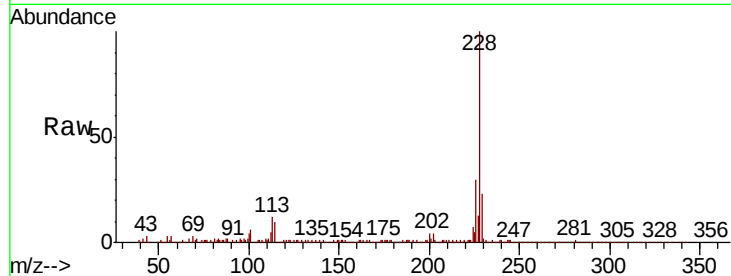
Tot Ion:228 Resp: 319751

Ion Ratio Lower Upper

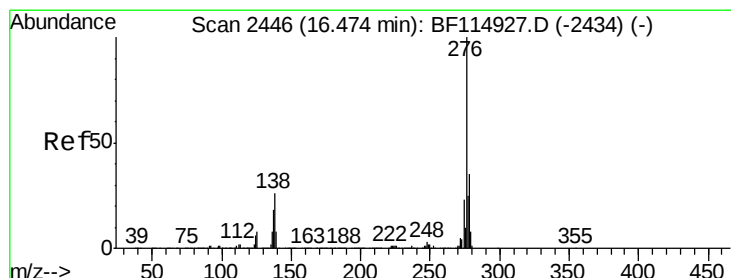
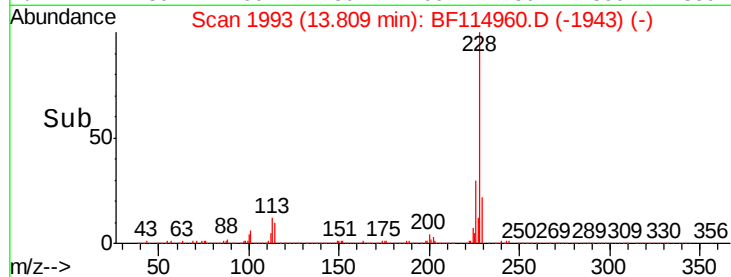
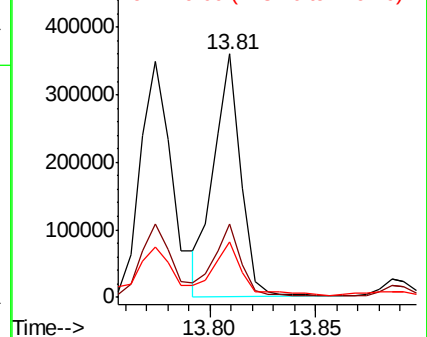
228 100

226 30.2 25.8 38.8

229 22.6 17.2 25.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.526 ng

RT: 16.47 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

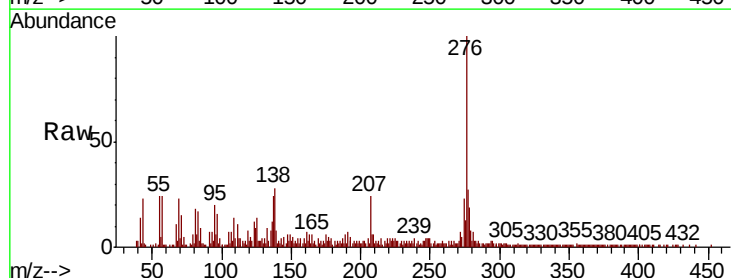
Tgt Ion:276 Resp: 106085

Ion Ratio Lower Upper

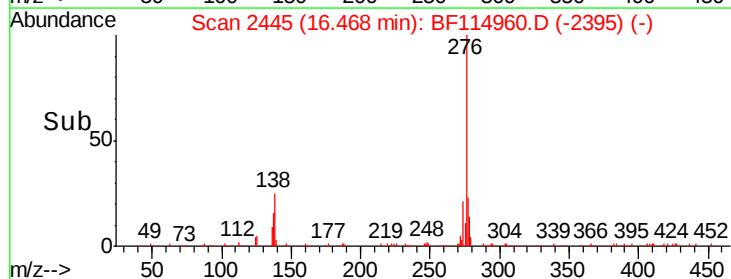
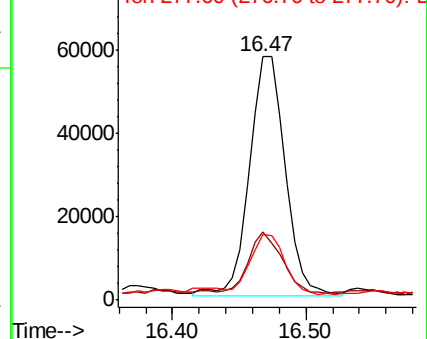
276 100

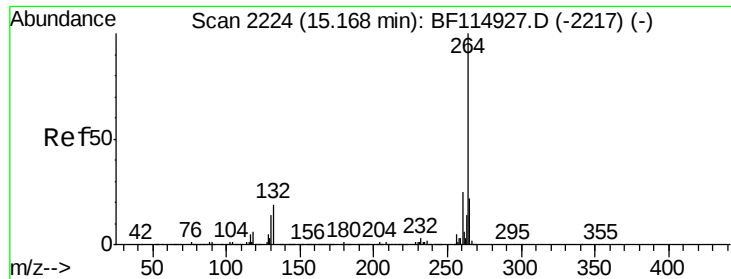
138 23.9 23.3 34.9

277 24.1 20.5 30.7



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

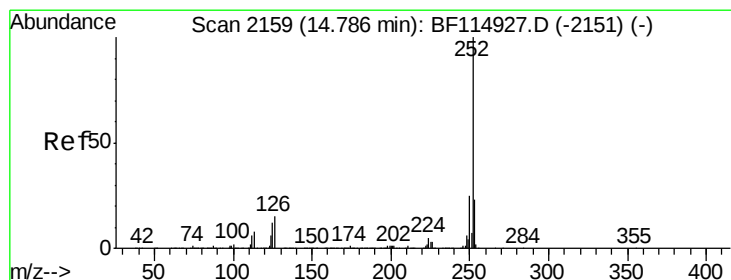
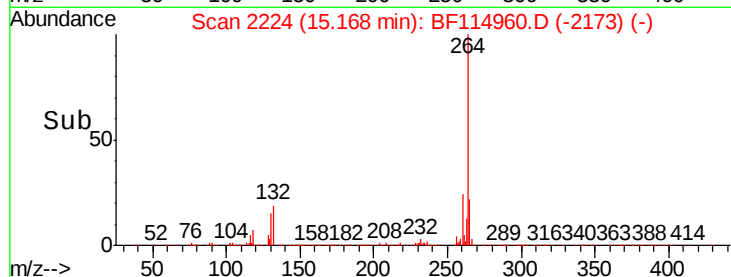
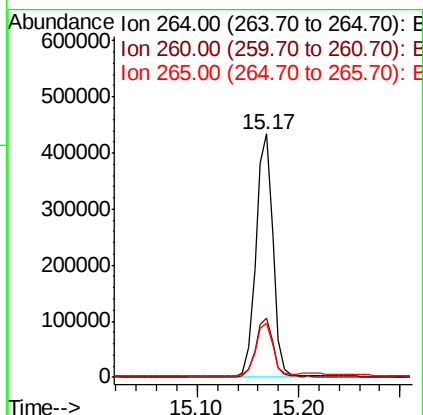
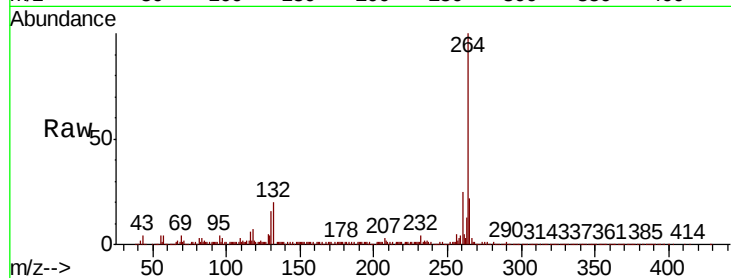




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

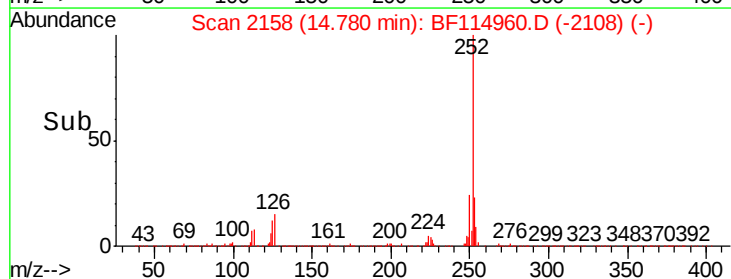
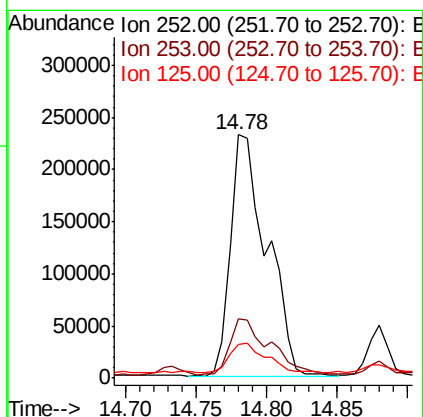
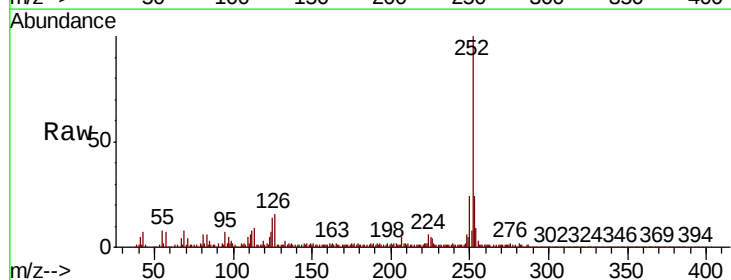
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-B

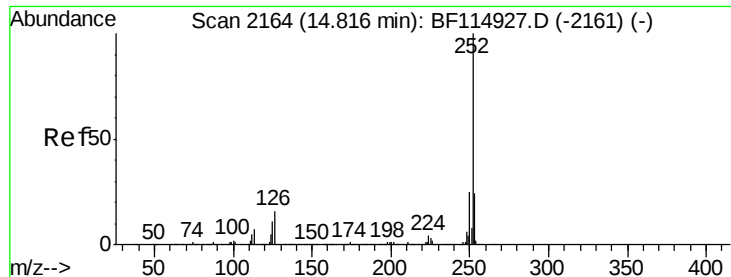
Tot Ion:264 Resp: 504011
Ion Ratio Lower Upper
264 100
260 24.6 19.7 29.5
265 22.5 17.5 26.3



#88
Benzo(b)fluoranthene
Concen: 12.726 ng
RT: 14.78 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Tgt Ion:252 Resp: 417561
Ion Ratio Lower Upper
252 100
253 24.3 18.6 28.0
125 14.0 9.5 14.3

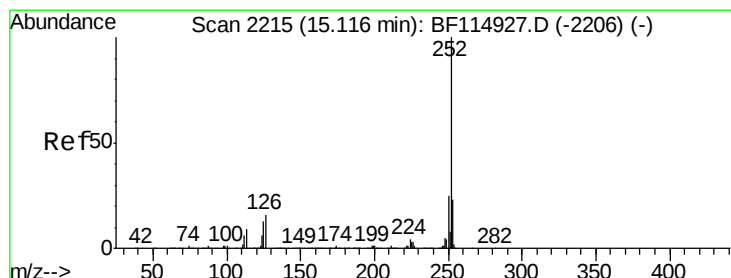
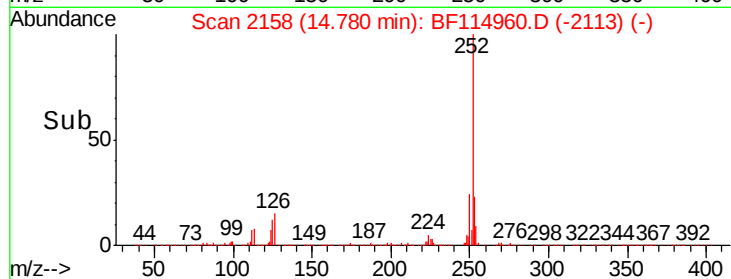
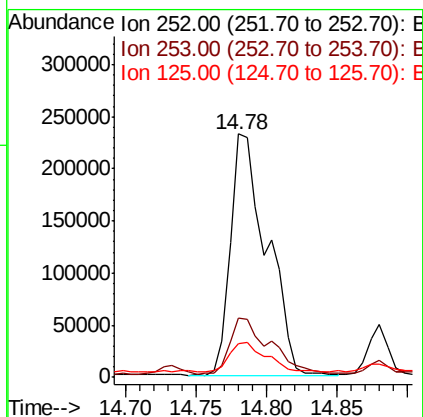
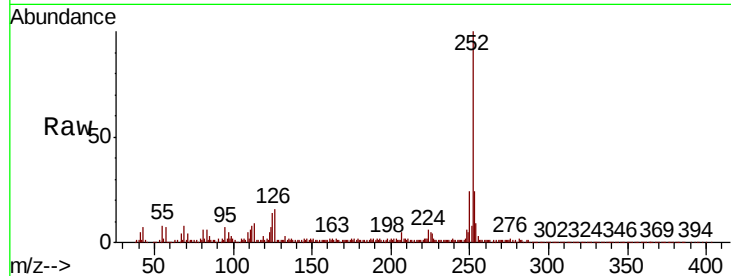




#89
Benzo(k)fluoranthene
Concen: 14.663 ng
RT: 14.78 min Scan# 2158
Delta R.T. -0.04 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

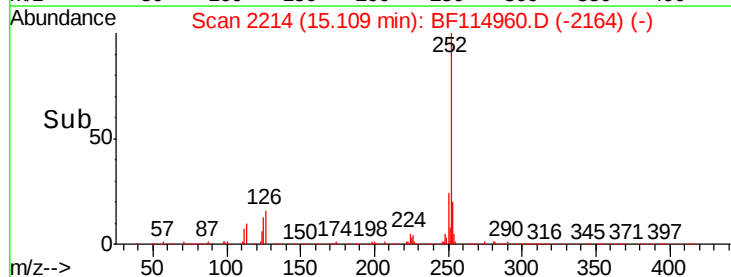
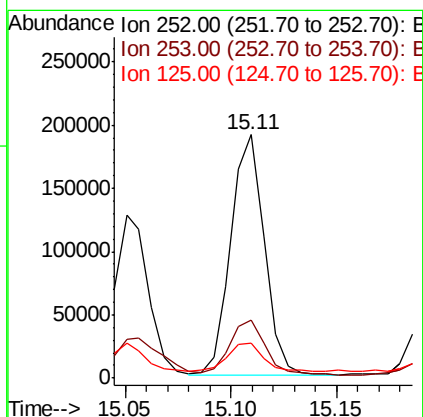
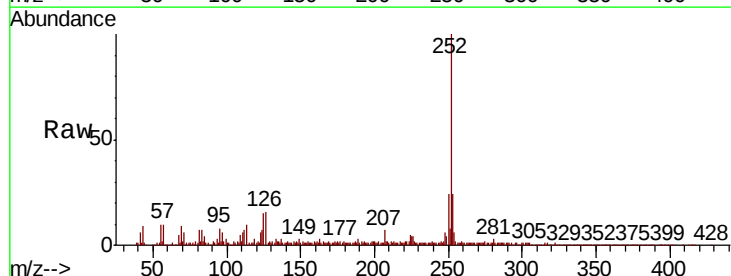
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-B

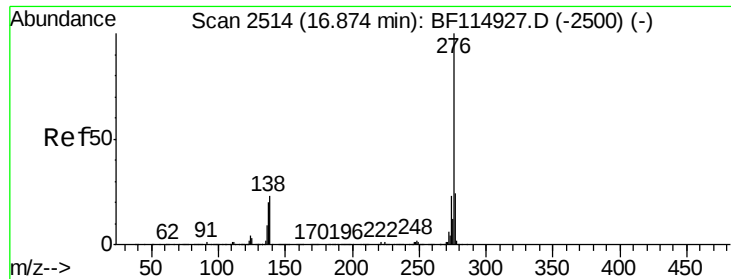
Tot Ion:252 Resp: 417561
Ion Ratio Lower Upper
252 100
253 24.3 18.6 28.0
125 14.0 9.2 13.8#



#90
Benzo(a)pyrene
Concen: 7.340 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Tgt Ion:252 Resp: 209190
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 14.5 10.1 15.1





#92

Benzo(a,h,i)perylene

Concen: 3.955 ng

RT: 16.86 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-B

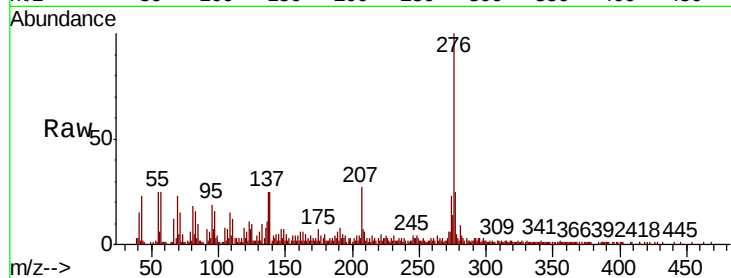
Tot Ion: 276 Resp: 94898

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.6

138 25.4 18.7 28.1



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

