

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060719\
 Data File : BF114910.D
 Acq On : 8 Jun 2019 00:32
 Operator : HP/JU
 Sample : K3247-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

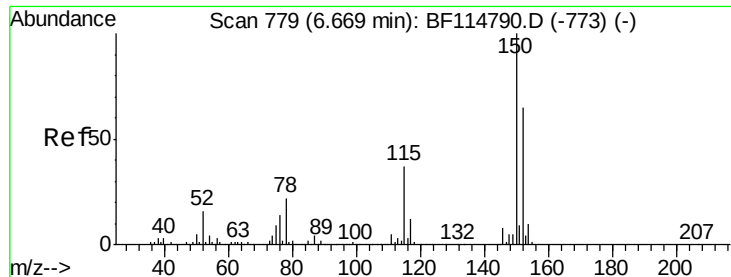
Quant Time: Jun 08 05:19:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	368802	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	1378844	20.00	ng	-0.01
39) Acenaphthene-d10	9.69	164	637549	20.00	ng	-0.01
64) Phenanthrene-d10	11.16	188	1048943	20.00	ng	-0.01
76) Chrysene-d12	13.78	240	700140	20.00	ng	-0.01
87) Perylene-d12	15.16	264	686051	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1881093	89.12	ng	0.01
7) Phenol-d6	6.31	99	2299341	89.53	ng	0.00
23) Nitrobenzene-d5	7.22	82	1403136	62.64	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	551133	80.22	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	2486224	73.05	ng	-0.01
79) Terphenyl-d14	12.74	244	1984806	55.13	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	190148	11.185	ng	# 78
25) Isophorone	7.22	82	1386276	31.306	ng	# 61
50) Dimethylphthalate	9.41	163	335056	7.196	ng	97
57) 2,4-Dinitrotoluene	9.69	165	84082	6.108	ng	# 32
58) Fluorene	10.23	166	19317	Below Cal		93
67) 4-Bromophenyl-phenylether	10.47	248	35621	2.990	ng	# 1
71) Phenanthrene	11.18	178	317634	6.343	ng	95
75) Fluoranthene	12.36	202	462349	8.871	ng	94
78) Pyrene	12.59	202	414282	6.821	ng	96
81) Benzo(a)anthracene	13.77	228	210411	3.900	ng	99
83) Chrysene	13.80	228	215027	4.097	ng	97
88) Benzo(b)fluoranthene	14.77	252	338342	7.747	ng	# 96
89) Benzo(k)fluoranthene	14.77	252	338342	9.122	ng	97
90) Benzo(a)pyrene	15.10	252	164827	4.360	ng	97
92) Benzo(g,h,i)perylene	16.84	276	88380	2.455	ng	96

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

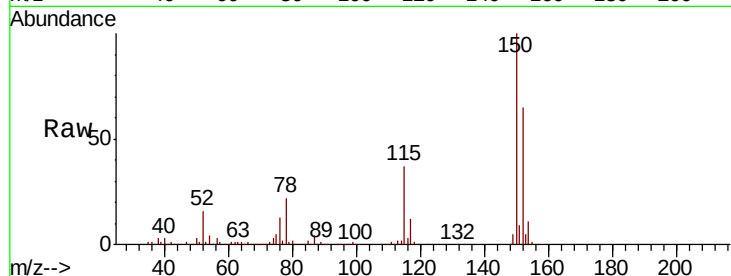


#1

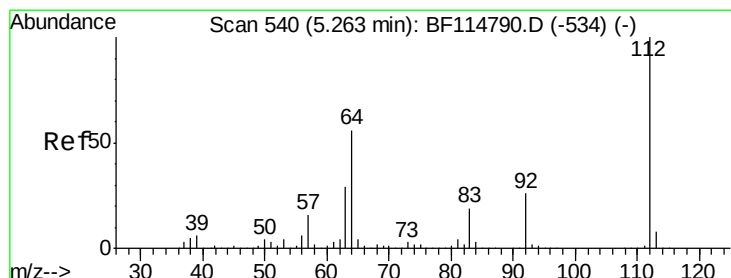
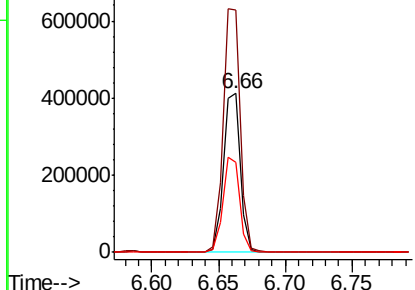
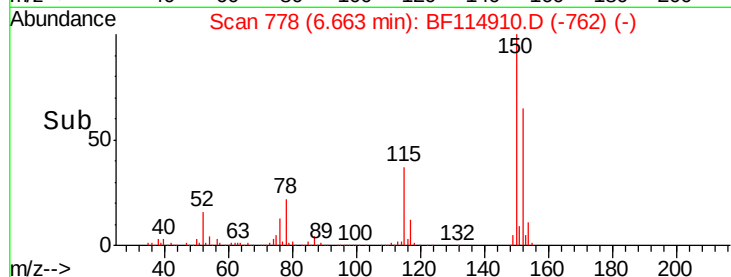
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

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

Tgt Ion:152 Resp: 368802
Ion Ratio Lower Upper
152 100
150 152.9 124.0 186.0
115 56.8 46.3 69.5



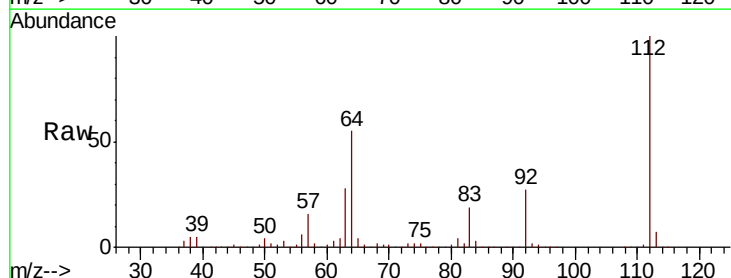
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



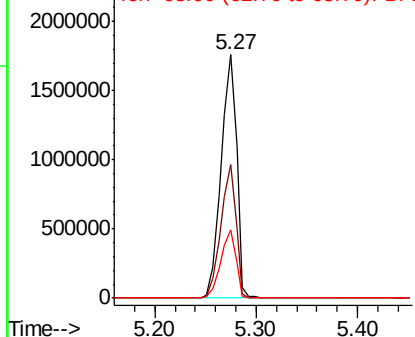
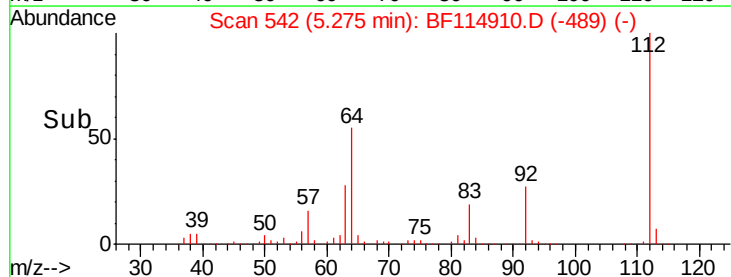
#5

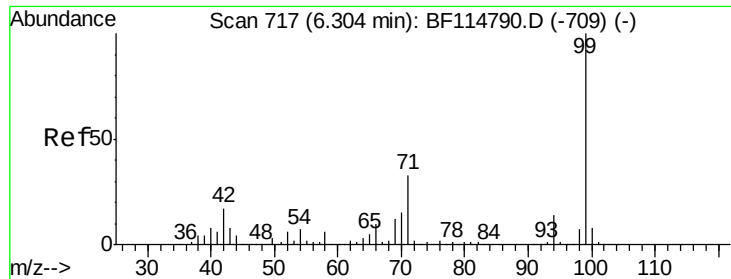
2-Fluorophenol
Concen: 89.125 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

Tgt Ion:112 Resp: 1881093
Ion Ratio Lower Upper
112 100
64 54.7 44.6 66.8
63 28.0 23.0 34.4



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: 89.530 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-A

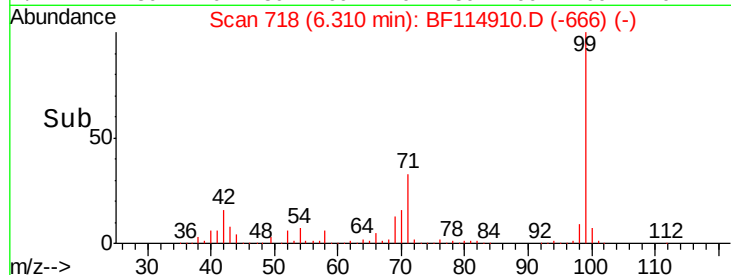
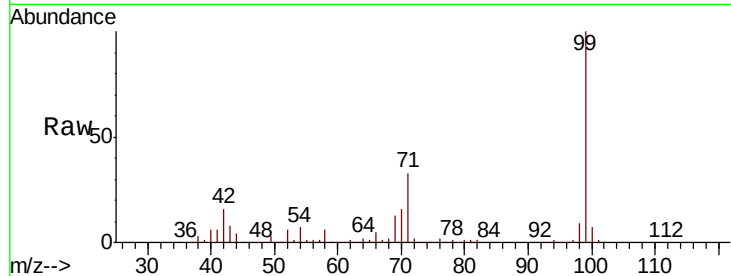
Tgt Ion: 99 Resp: 2299341

Ion Ratio Lower Upper

99 100

42 16.0 13.3 19.9

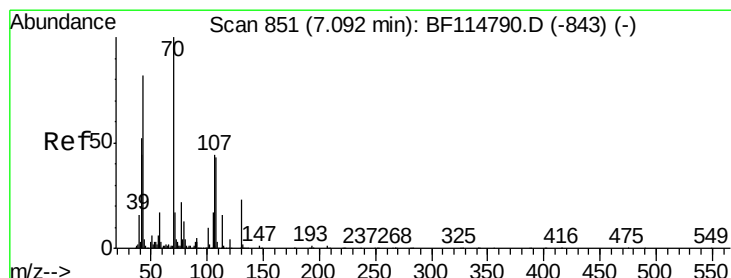
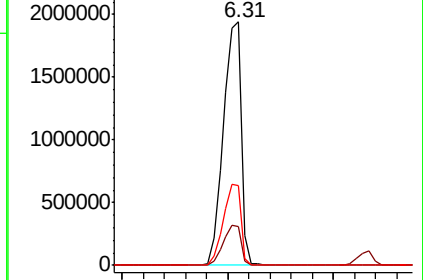
71 33.0 26.3 39.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.185 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Tgt Ion: 70 Resp: 190148

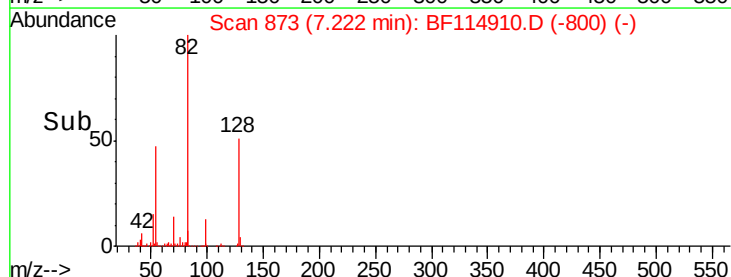
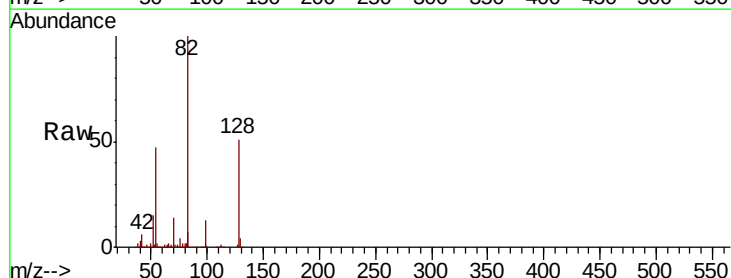
Ion Ratio Lower Upper

70 100

42 44.4 41.8 62.8

101 0.0 8.2 12.4#

130 2.2 18.5 27.7#

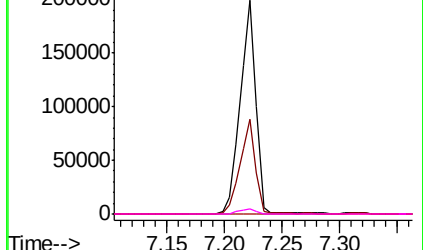


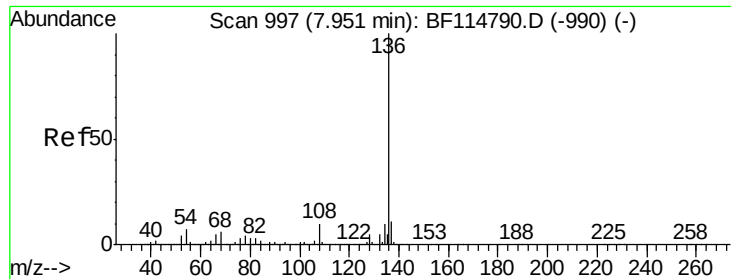
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

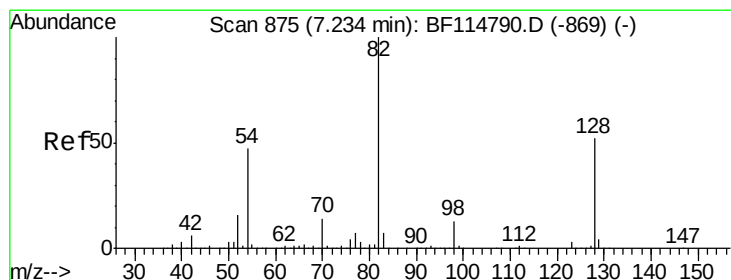
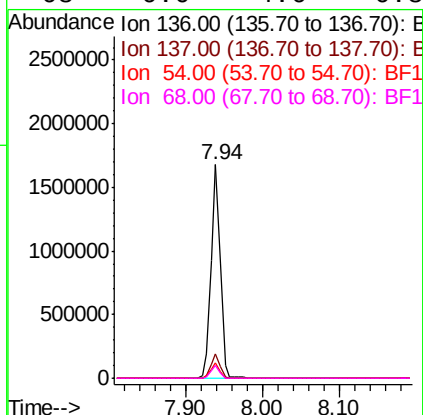
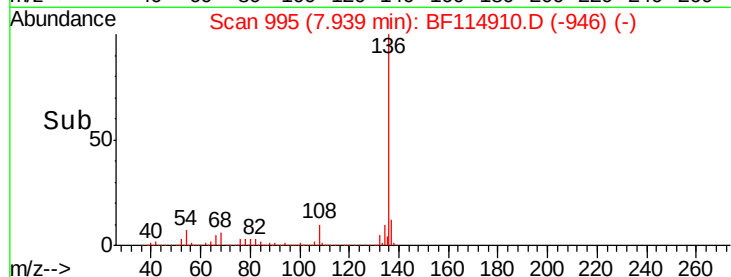
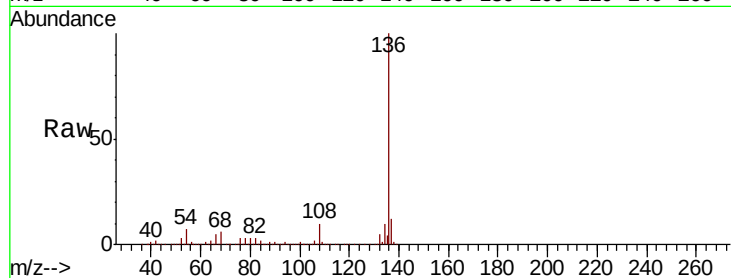




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

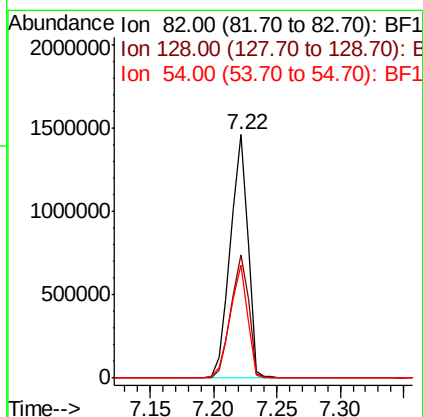
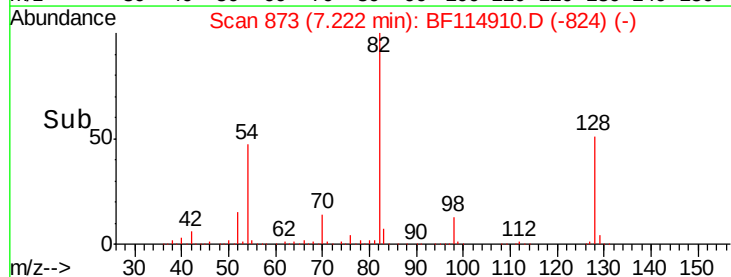
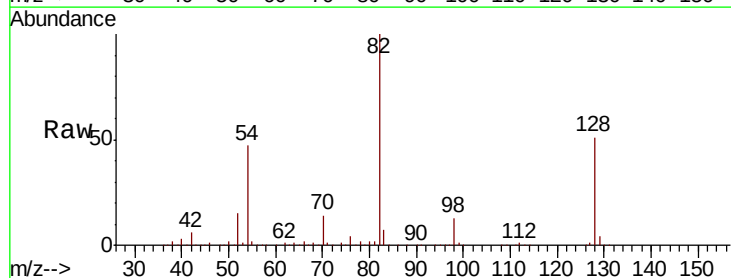
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-A

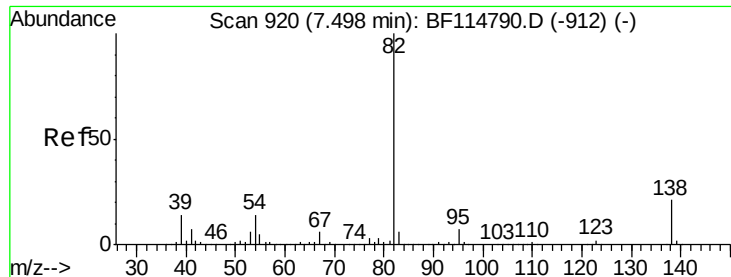
Tgt Ion:	136	Resp:	1378844
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	6.9	5.4	8.0
68	6.0	4.6	6.8



#23
Nitrobenzene-d5
Concen: 62.643 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

Tgt Ion:	82	Resp:	1403136
Ion	Ratio	Lower	Upper
82	100		
128	50.7	41.8	62.6
54	46.6	37.9	56.9





#25

Isophorone

Concen: 31.306 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.28 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-A

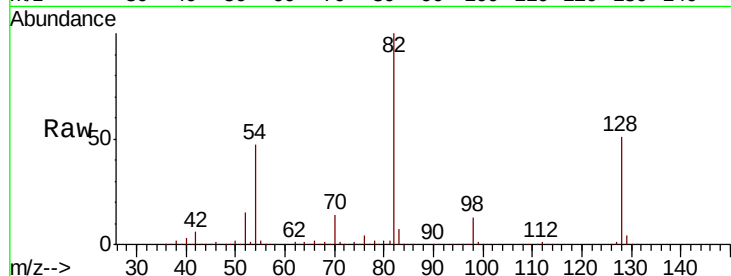
Tgt Ion: 82 Resp: 1386276

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

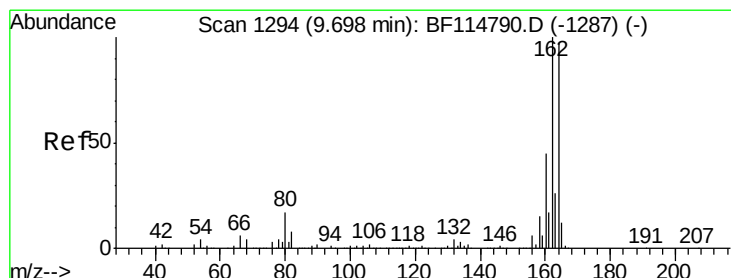
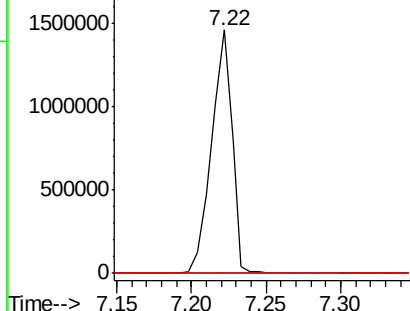
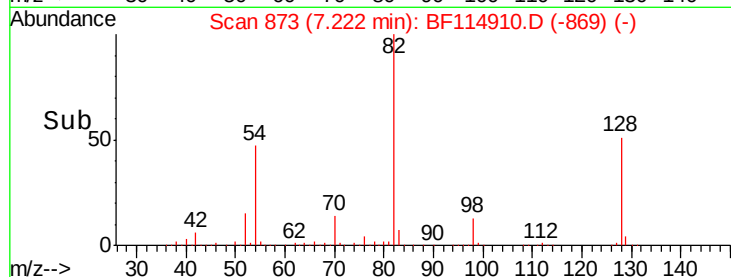
138 0.0 16.9 25.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

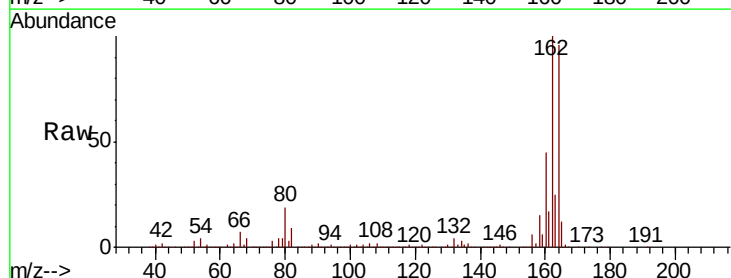
Tgt Ion: 164 Resp: 637549

Ion Ratio Lower Upper

164 100

162 104.2 82.3 123.5

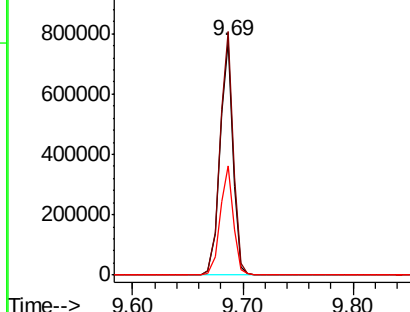
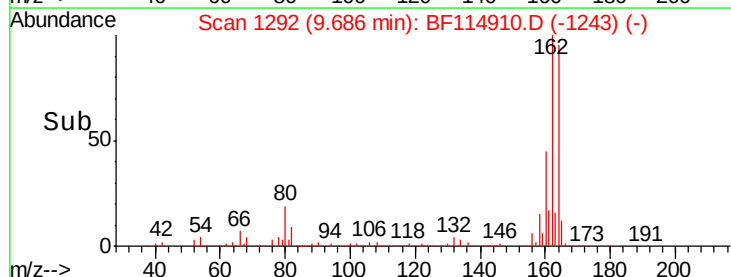
160 46.5 36.7 55.1

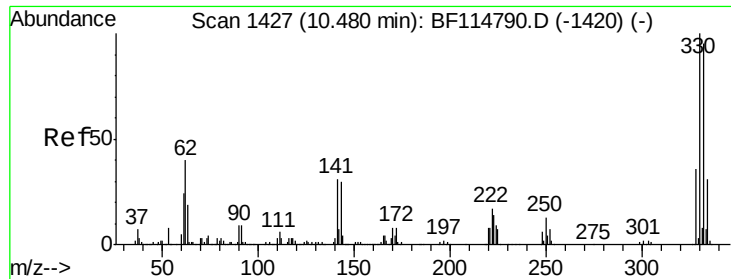


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

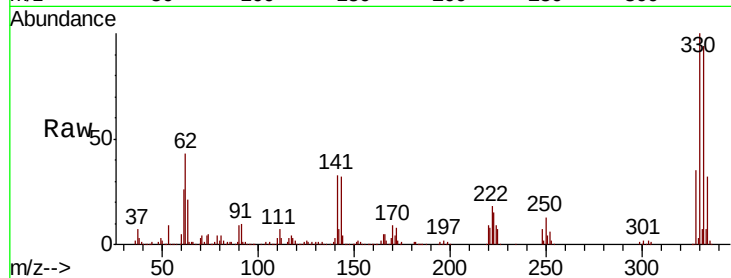




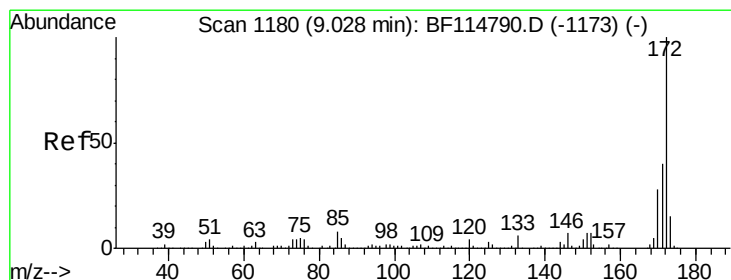
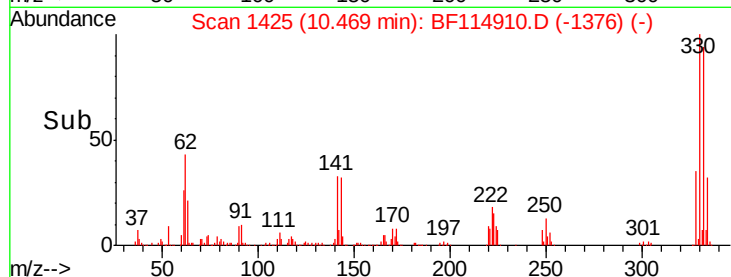
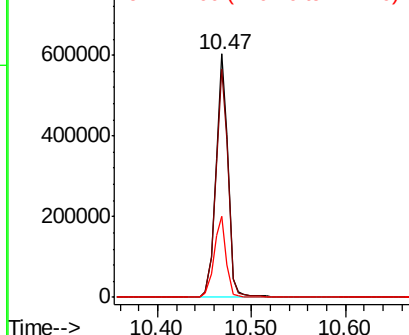
#42
 2,4,6-Tribromophenol
 Concen: 80.216 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF114910.D
 Acq: 8 Jun 2019 00:32

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

Tgt Ion:330 Resp: 551133
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.3 115.9
 141 33.6 26.2 39.4

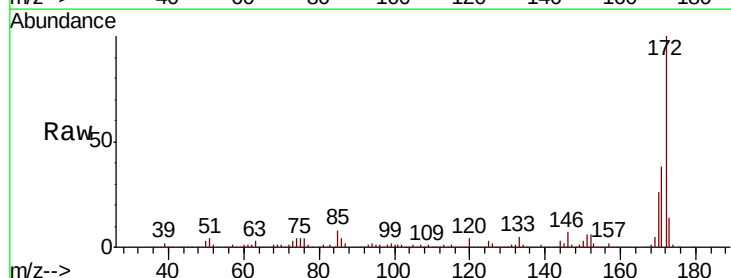


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

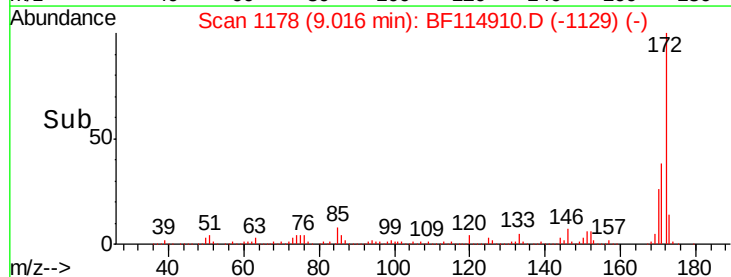
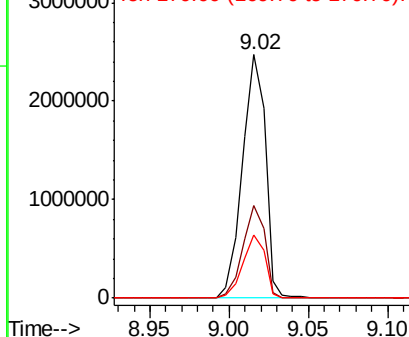


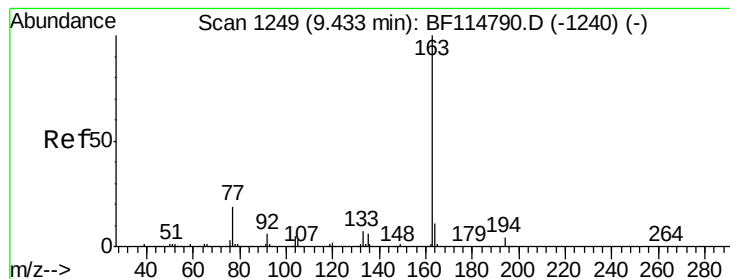
#45
 2-Fluorobiphenyl
 Concen: 73.051 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF114910.D
 Acq: 8 Jun 2019 00:32

Tgt Ion:172 Resp: 2486224
 Ion Ratio Lower Upper
 172 100
 171 38.1 32.3 48.5
 170 25.7 22.4 33.6



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: 7.196 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-A

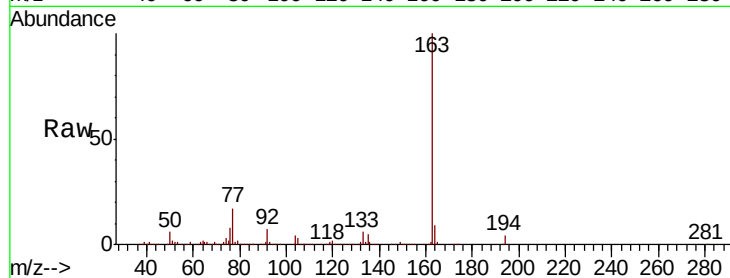
Tgt Ion:163 Resp: 335056

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

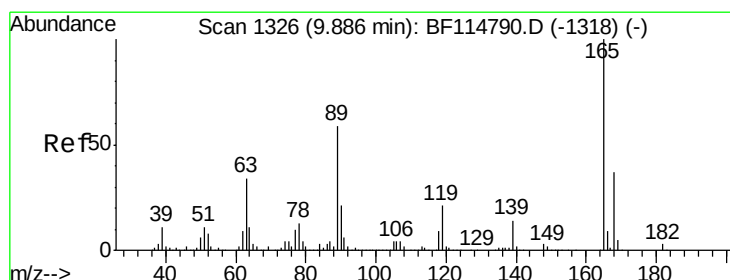
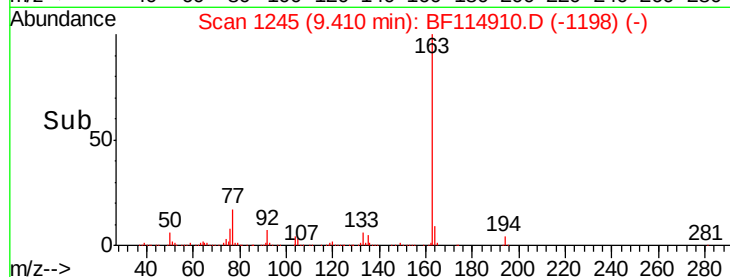
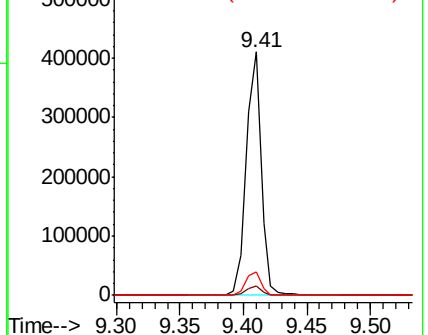
164 9.4 8.6 13.0



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: 6.108 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.20 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Tgt Ion:165 Resp: 84082

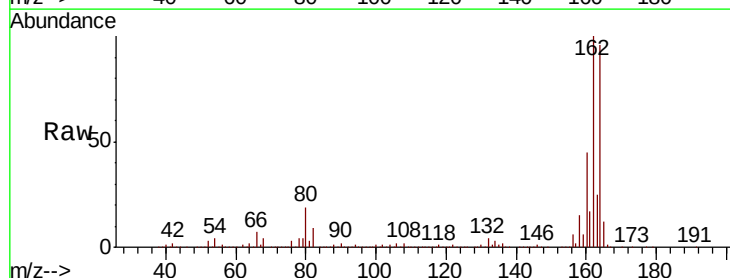
Ion Ratio Lower Upper

165 100

63 1.1 27.0 40.4#

89 1.3 47.0 70.6#

182 0.0 2.2 3.2#

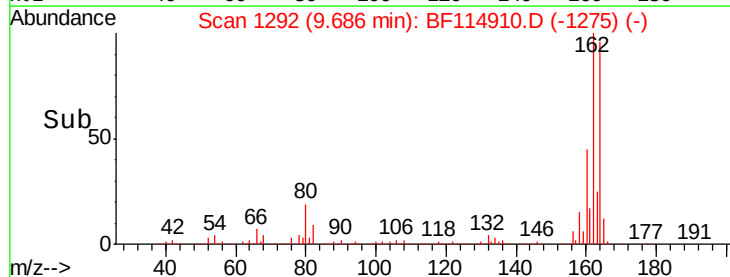
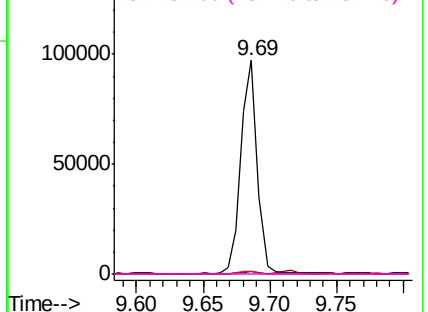


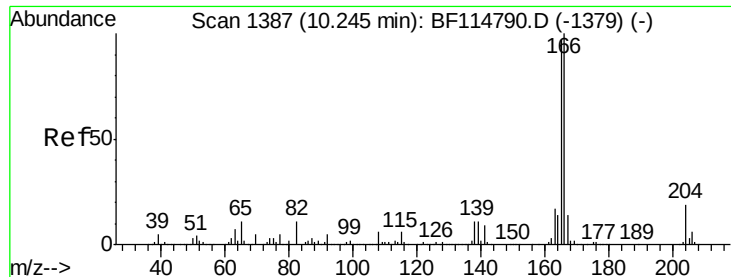
Abundance Ion 165.00 (164.70 to 165.70): E

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

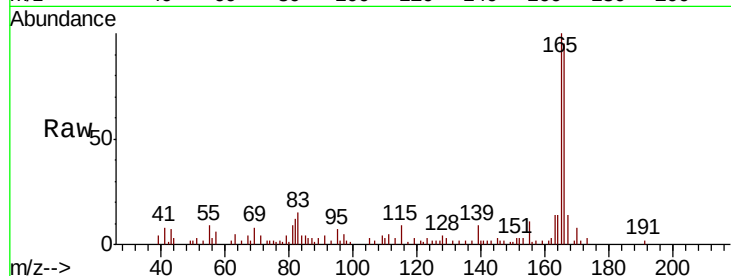




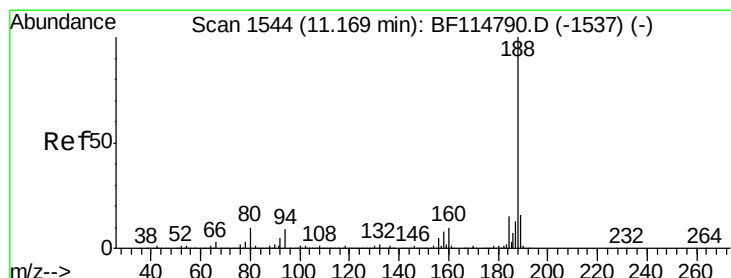
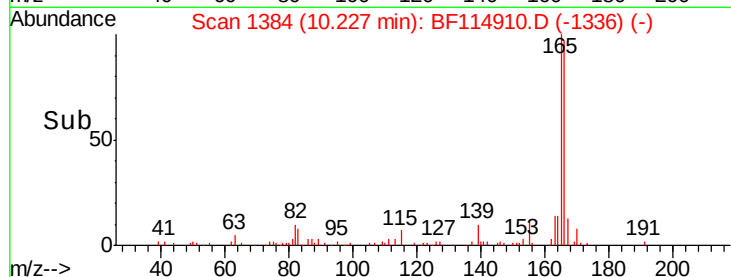
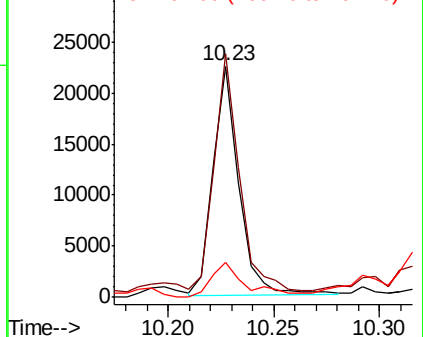
#58
 Fluorene
 Concen: Below Cal
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: BF114910.D
 Acq: 8 Jun 2019 00:32

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

Tgt Ion:166 Resp: 19317
 Ion Ratio Lower Upper
 166 100
 165 105.3 77.9 116.9
 167 15.3 11.3 16.9

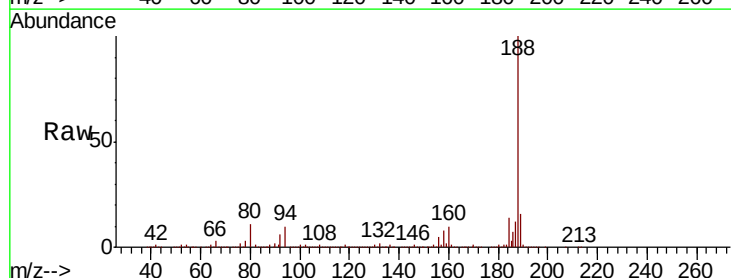


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

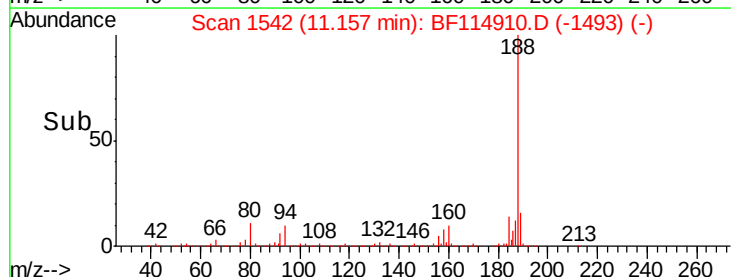
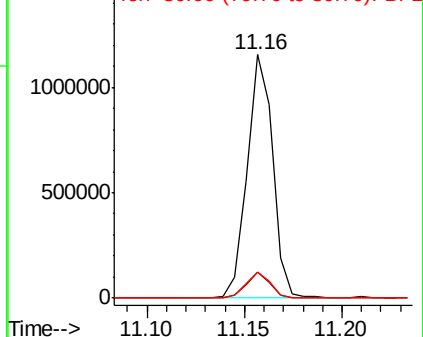


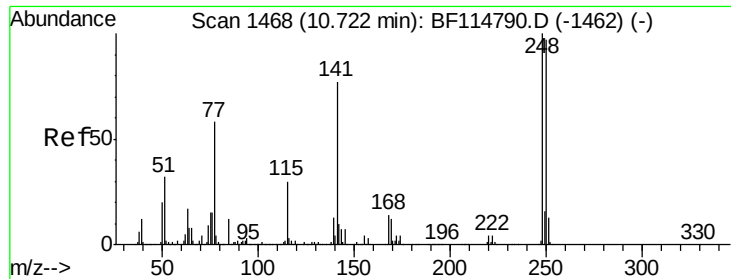
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. -0.01 min
 Lab File: BF114910.D
 Acq: 8 Jun 2019 00:32

Tgt Ion:188 Resp: 1048943
 Ion Ratio Lower Upper
 188 100
 94 10.4 7.6 11.4
 80 10.7 8.3 12.5



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

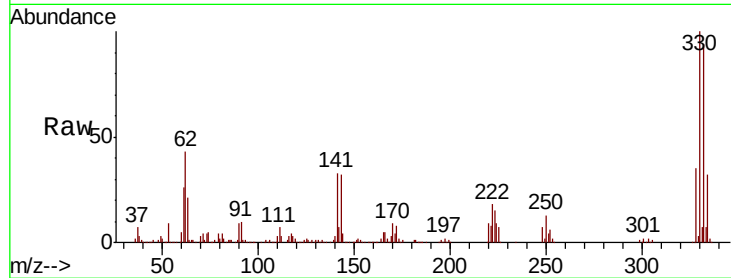




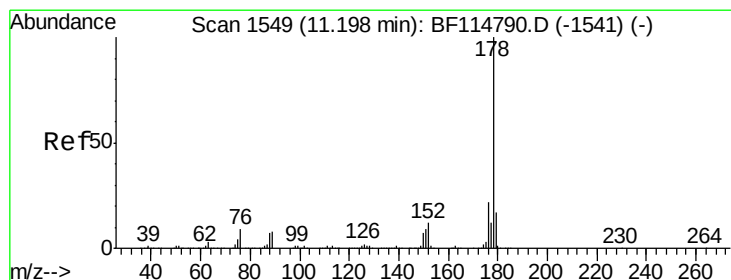
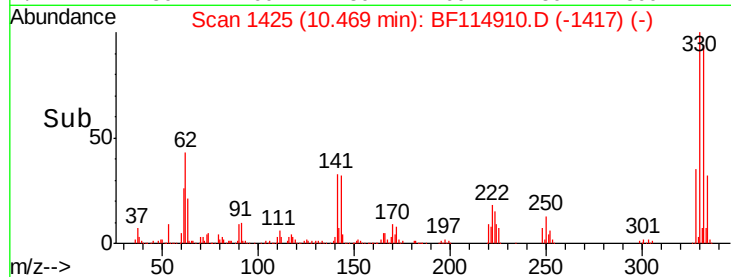
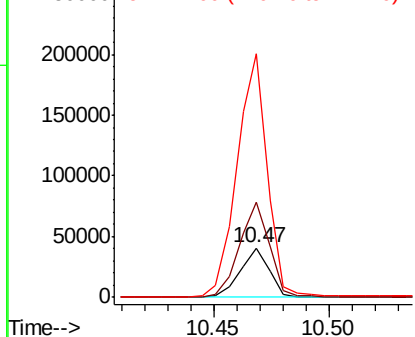
#67
 4-Bromophenyl-phenylether
 Concen: 2.990 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.25 min
 Lab File: BF114910.D
 Acq: 8 Jun 2019 00:32

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

Tgt Ion: 248 Resp: 35621
 Ion Ratio Lower Upper
 248 100
 250 194.5 77.5 116.3#
 141 495.2 61.8 92.8#

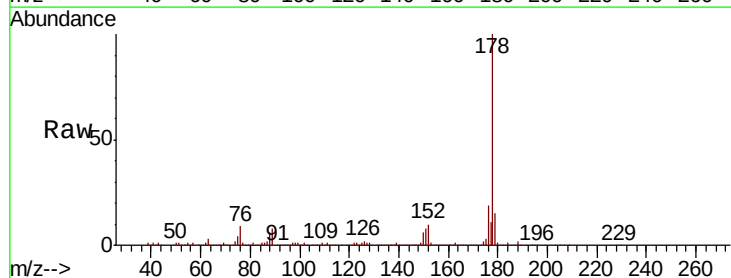


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

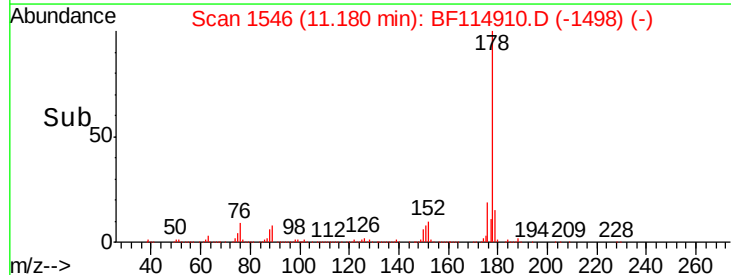
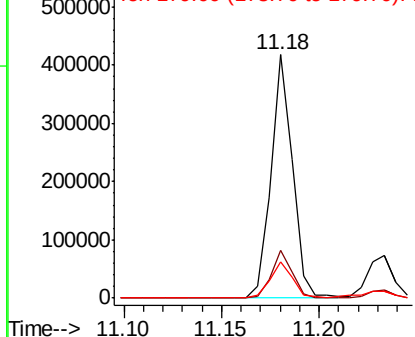


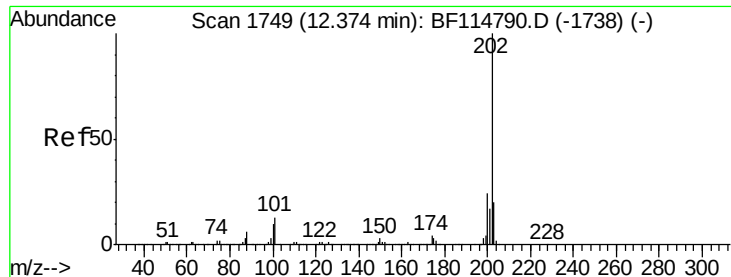
#71
 Phenanthrene
 Concen: 6.343 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.02 min
 Lab File: BF114910.D
 Acq: 8 Jun 2019 00:32

Tgt Ion: 178 Resp: 317634
 Ion Ratio Lower Upper
 178 100
 176 19.4 17.7 26.5
 179 15.1 13.7 20.5



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: 8.871 ng

RT: 12.36 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-A

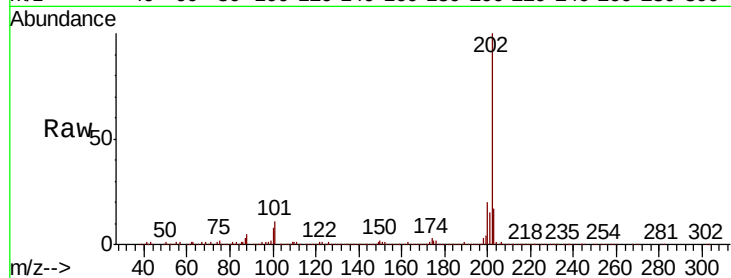
Tgt Ion:202 Resp: 462349

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.8

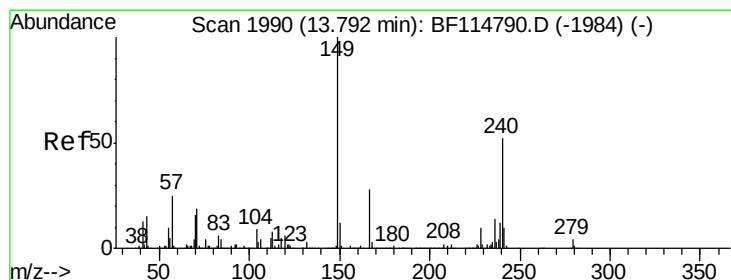
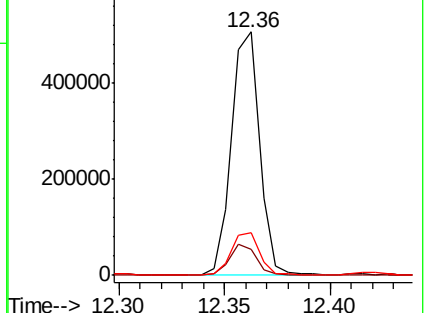
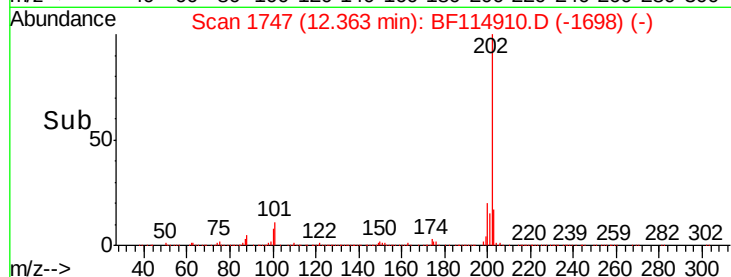
203 17.4 0.2 40.2



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: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

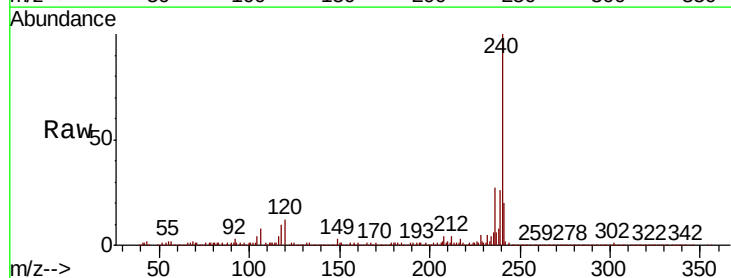
Tgt Ion:240 Resp: 700140

Ion Ratio Lower Upper

240 100

120 11.5 9.0 13.4

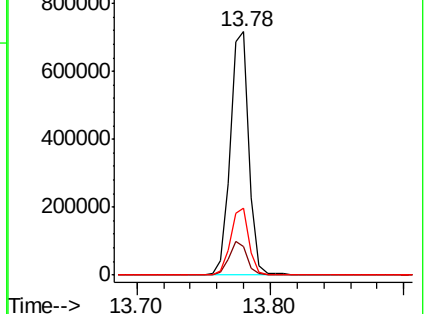
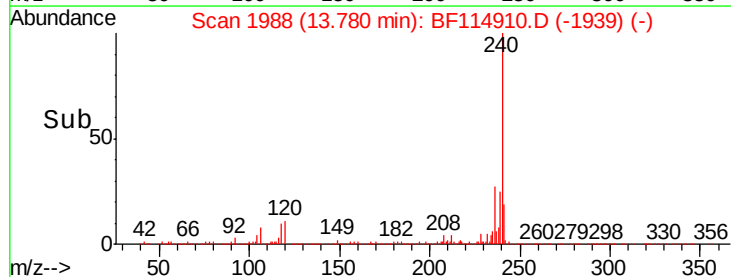
236 27.4 21.4 32.0

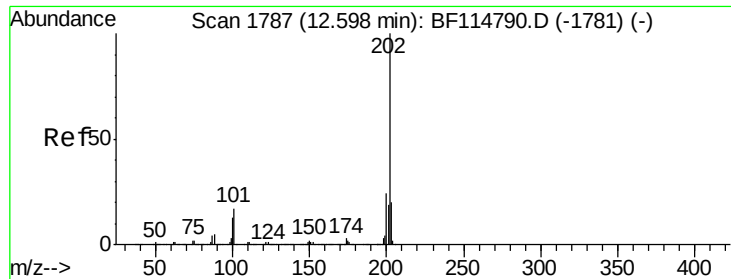


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

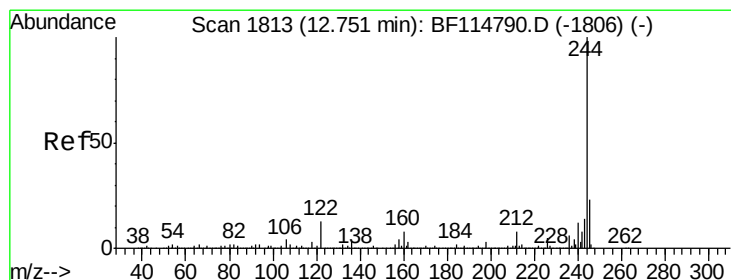
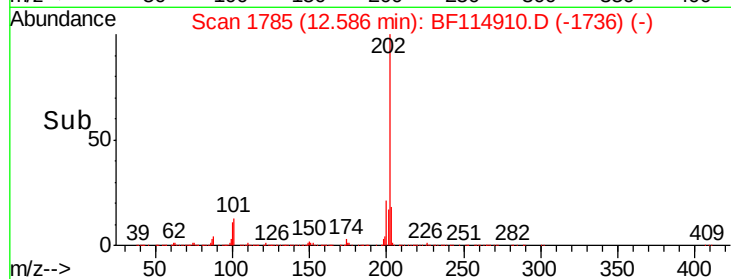
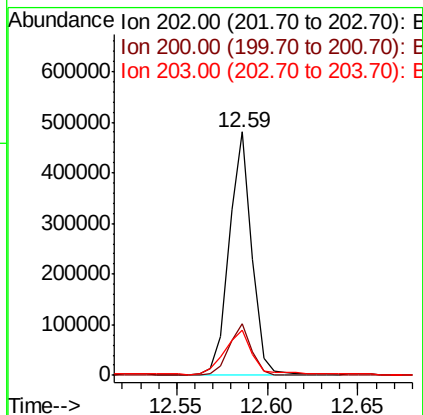
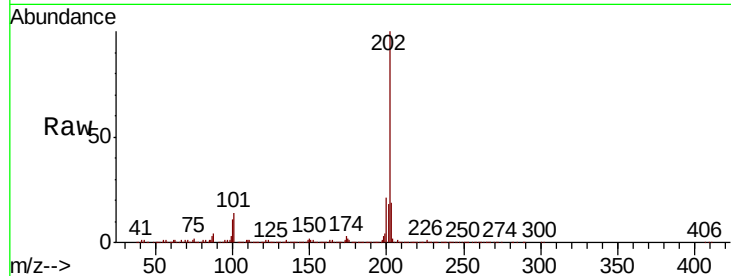




#78
 Pyrene
 Concen: 6.821 ng
 RT: 12.59 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BF114910.D
 Acq: 8 Jun 2019 00:32

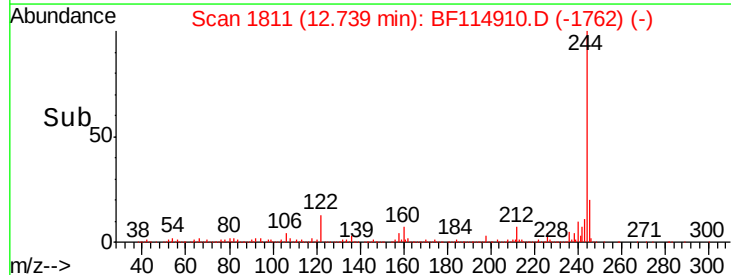
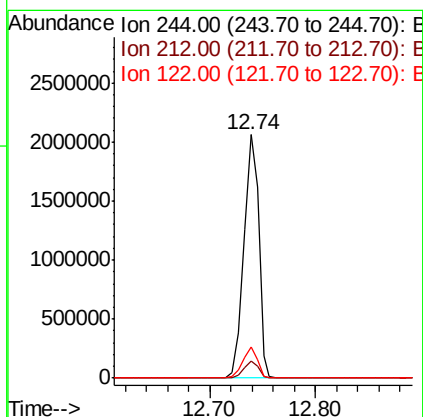
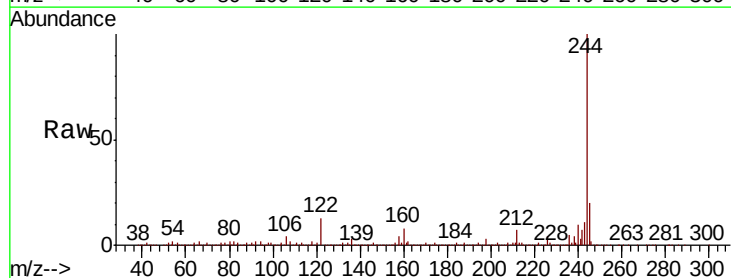
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-041-A

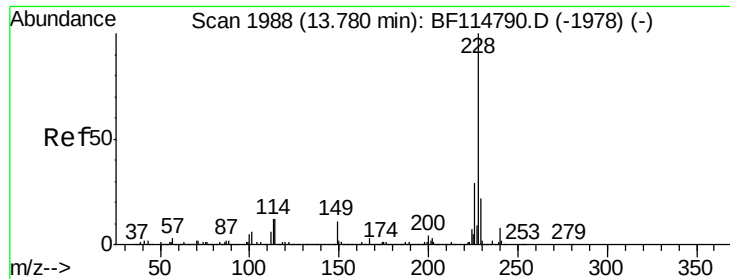
Tgt Ion: 202 Resp: 414282
 Ion Ratio Lower Upper
 202 100
 200 21.3 19.2 28.8
 203 18.6 15.9 23.9



#79
 Terphenyl-d14
 Concen: 55.131 ng
 RT: 12.74 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: BF114910.D
 Acq: 8 Jun 2019 00:32

Tgt Ion: 244 Resp: 1984806
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 12.7 10.5 15.7

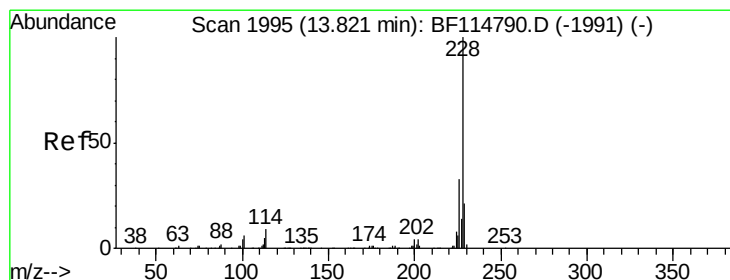
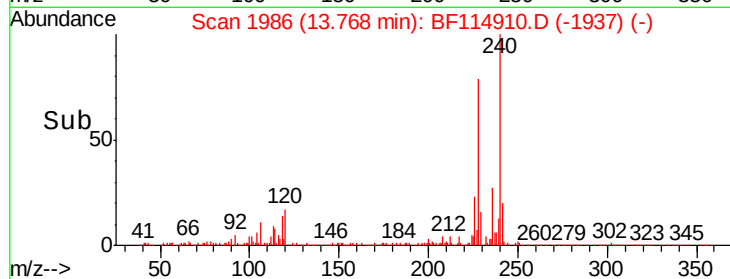
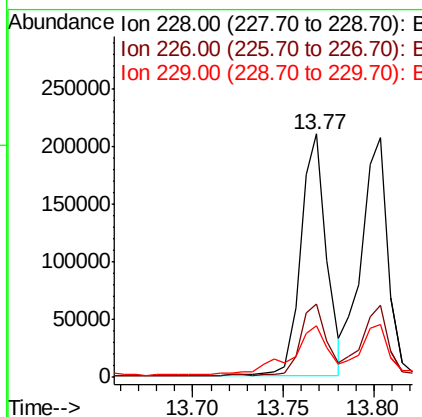
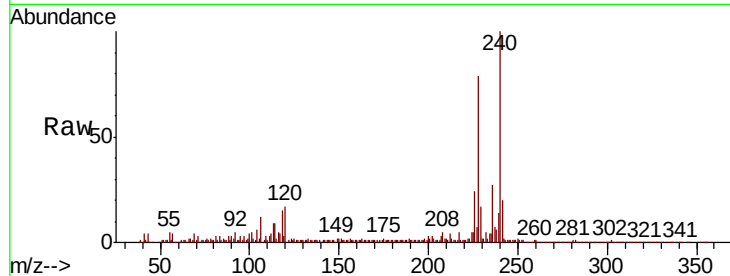




#81
Benzo(a)anthracene
Concen: 3.900 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

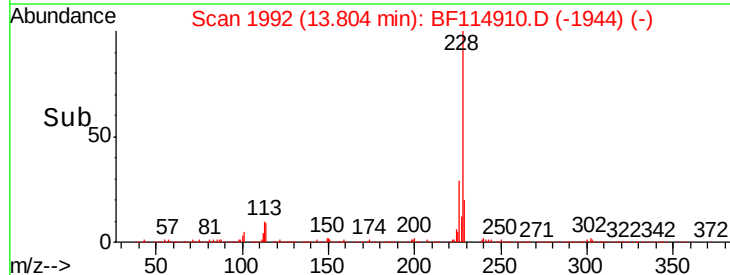
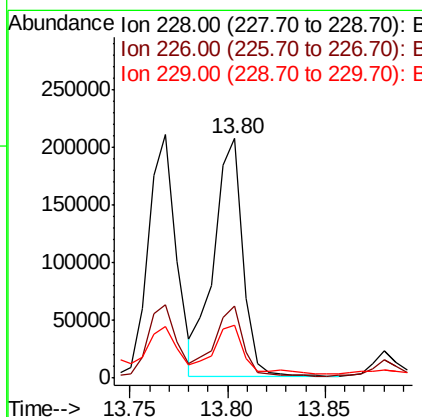
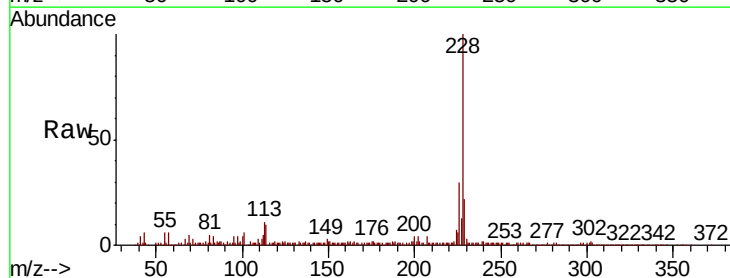
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-A

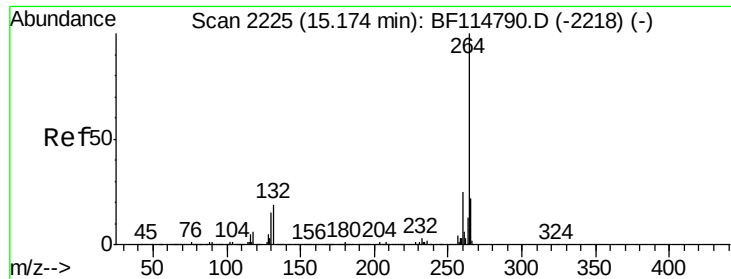
Tgt Ion:228 Resp: 210411
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.2
229 21.2 17.4 26.0



#83
Chrysene
Concen: 4.097 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

Tgt Ion:228 Resp: 215027
Ion Ratio Lower Upper
228 100
226 30.1 26.0 39.0
229 21.9 17.1 25.7



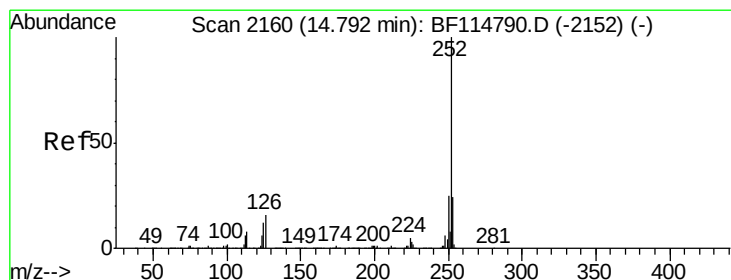
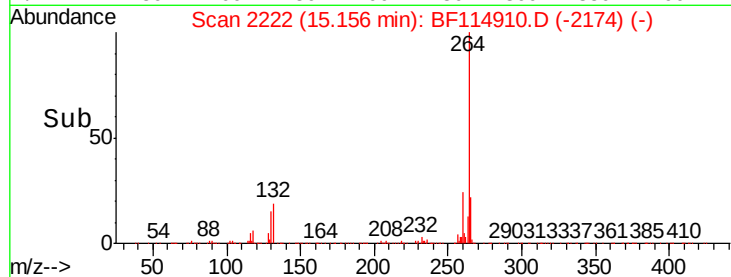
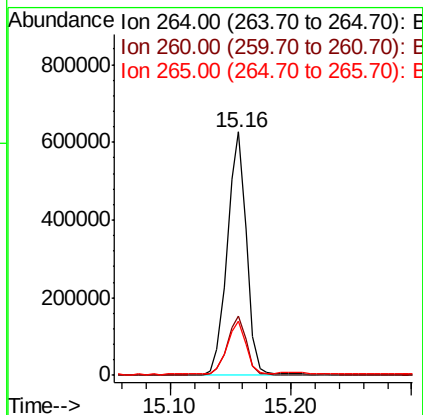
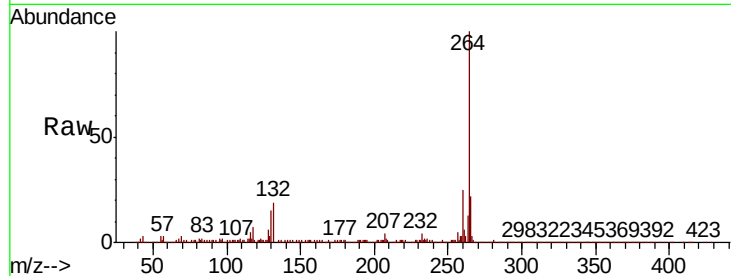


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

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

Tgt Ion: 264 Resp: 686051

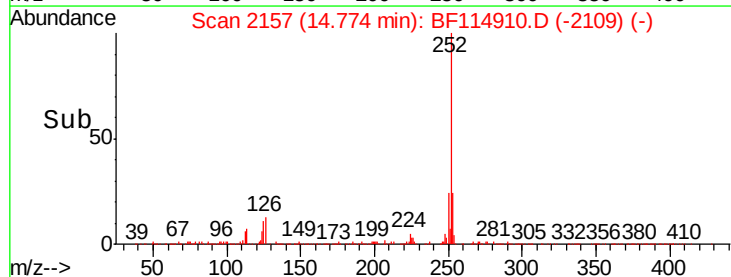
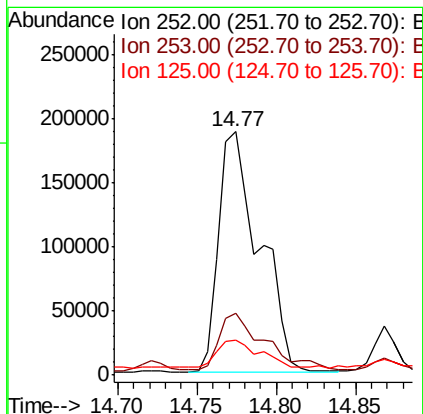
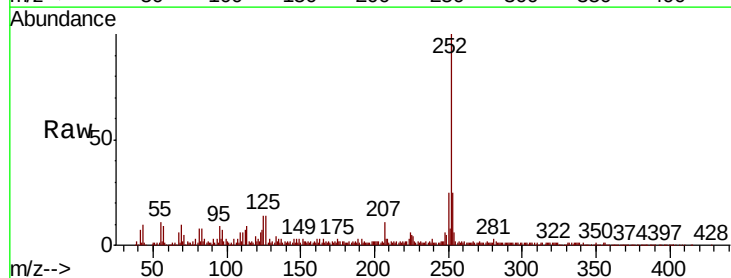
Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.1	30.1
265	22.3	17.7	26.5

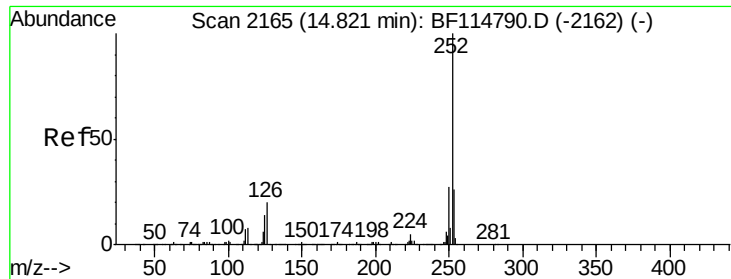


#88
Benzo(b)fluoranthene
Concen: 7.747 ng
RT: 14.77 min Scan# 2157
Delta R.T. -0.02 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

Tgt Ion: 252 Resp: 338342

Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.0	28.6
125	14.2	9.4	14.0

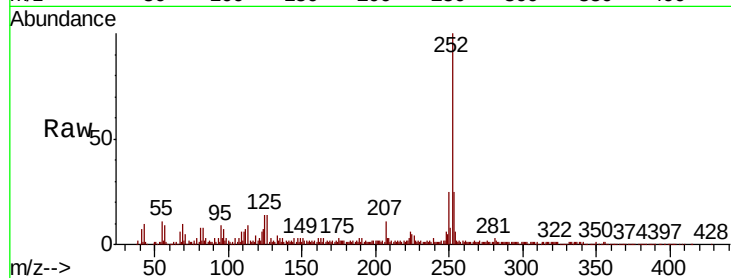




#89
Benzo(k)fluoranthene
Concen: 9.122 ng
RT: 14.77 min Scan# 2157
Delta R.T. -0.05 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.3	28.9
125	14.2	10.1	15.1

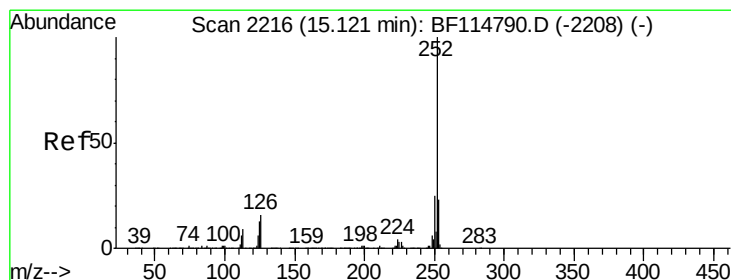
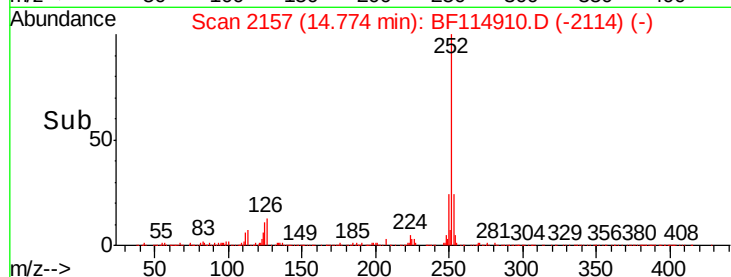
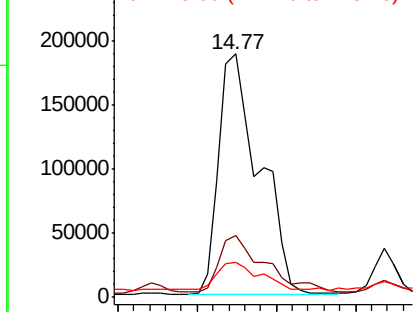


Abundance

Ion 252.00 (251.70 to 252.70): E

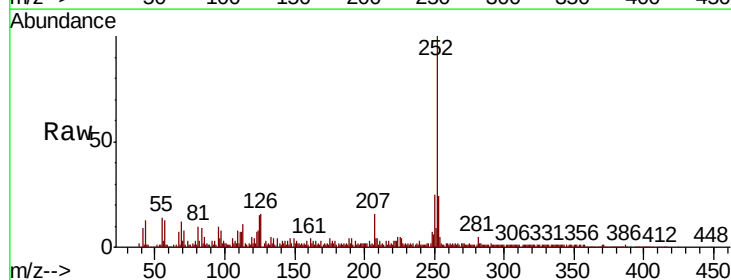
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 4.360 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	14.6	10.1	15.1

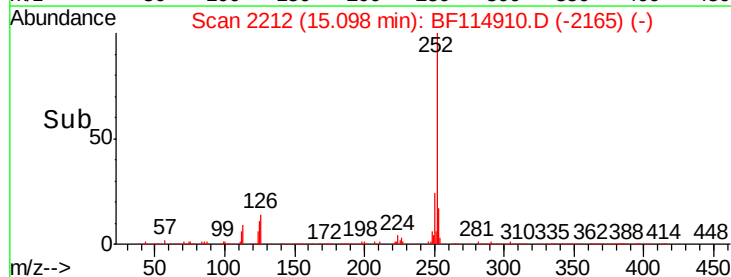
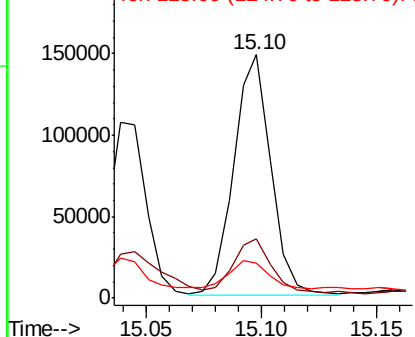


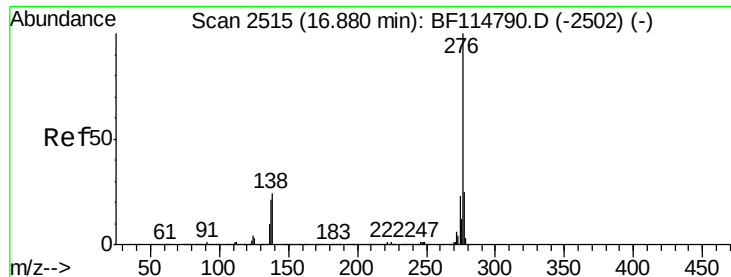
Abundance

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: 2.455 ng

RT: 16.84 min Scan# 2508

Delta R.T. -0.04 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-A

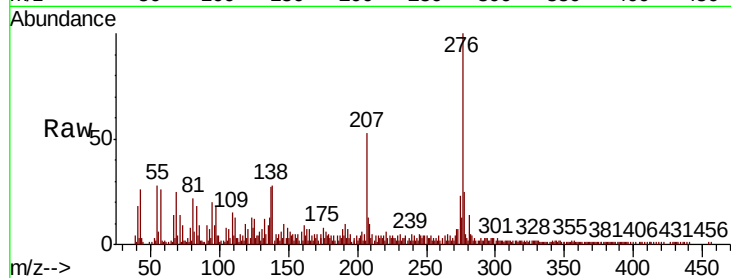
Tgt Ion: 276 Resp: 88380

Ion Ratio Lower Upper

276 100

277 24.6 19.8 29.6

138 27.8 19.4 29.2



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

