

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
 Data File : BF115320.D
 Acq On : 29 Jun 2019 14:01
 Operator : HP/JU
 Sample : K3530-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-044-A

Quant Time: Jun 30 01:44:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	198608	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	770332	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	383455	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	775367	20.00	ng	0.00
76) Chrysene-d12	13.71	240	645538	20.00	ng	0.00
87) Perylene-d12	15.08	264	664468	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	1126205	87.51	ng	0.00
7) Phenol-d6	6.24	99	1433539	91.77	ng	0.00
23) Nitrobenzene-d5	7.16	82	836289	66.78	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	409022	101.15	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1585602	70.24	ng	0.00
79) Terphenyl-d14	12.68	244	1880138	61.92	ng	0.00

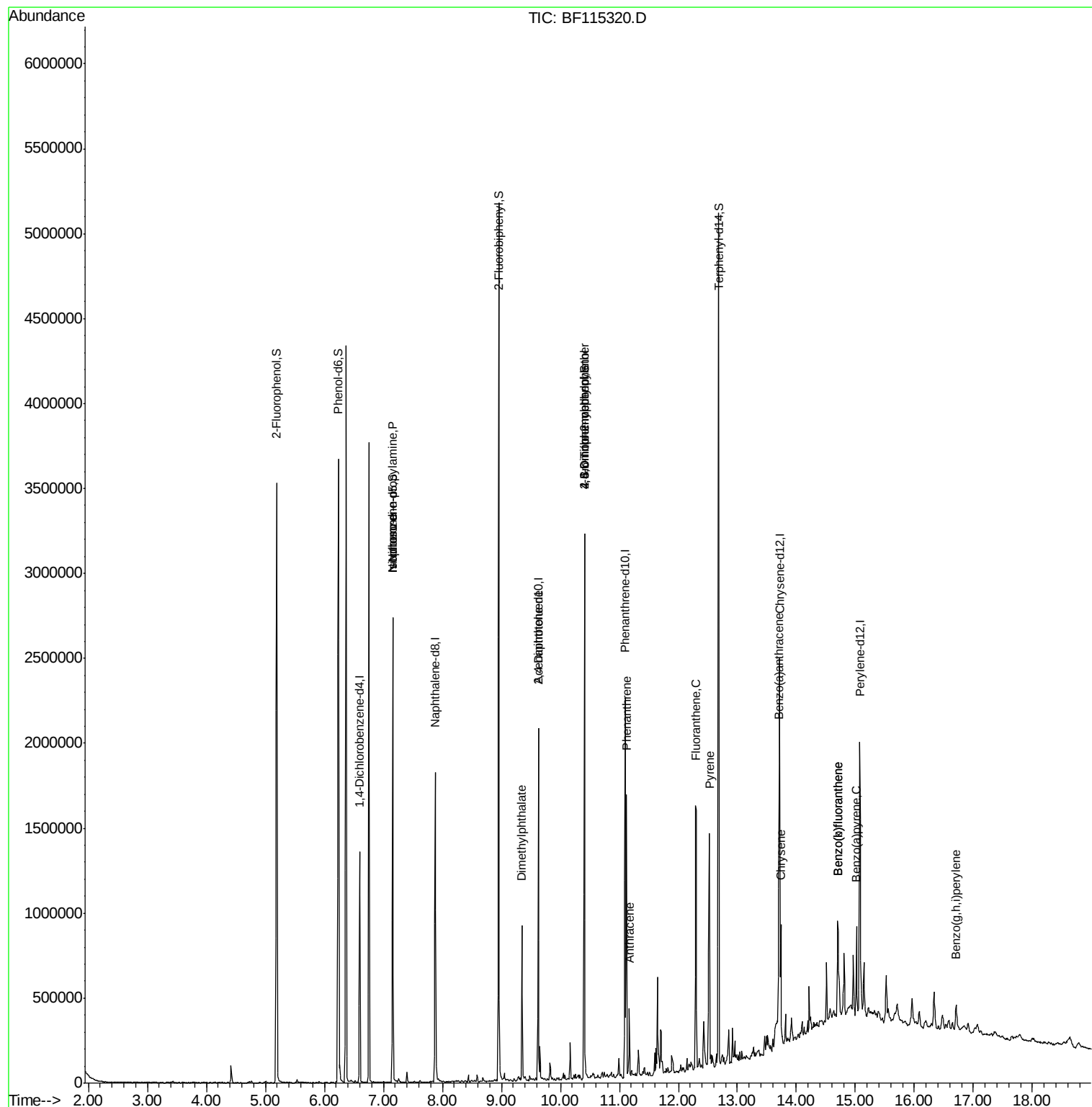
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	109315	10.931	ng	# 78
25) Isophorone	7.16	82	836282	32.600	ng	# 63
50) Dimethylphthalate	9.35	163	333051	11.805	ng	99
57) 2,4-Dinitrotoluene	9.62	165	50221	5.972	ng	# 30
58) Fluorene	10.17	166	47195	Below Cal		97
65) 4,6-Dinitro-2-methylphenol	10.41	198	954	5.167	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	25729	3.061	ng	# 1
71) Phenanthrene	11.12	178	526243	12.606	ng	97
72) Anthracene	11.17	178	153759	3.649	ng	97
75) Fluoranthene	12.30	202	642290	15.420	ng	95
78) Pyrene	12.52	202	565868	11.406	ng	99
81) Benzo(a)anthracene	13.70	228	274246	5.921	ng	98
83) Chrysene	13.74	228	248480	5.856	ng	97
88) Benzo(b)fluoranthene	14.70	252	395005	9.527	ng	98
89) Benzo(k)fluoranthene	14.70	252	395005	10.624	ng	99
90) Benzo(a)pyrene	15.02	252	220147	5.891	ng	99
92) Benzo(g,h,i)perylene	16.71	276	112378	3.183	ng	97

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

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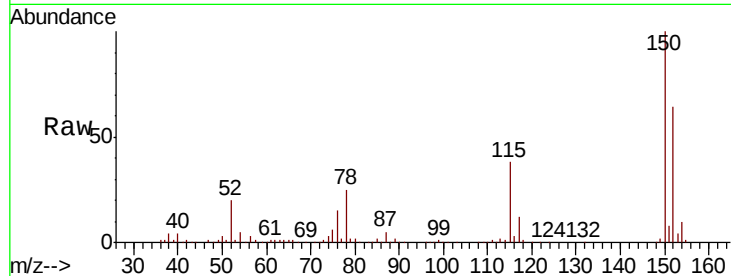


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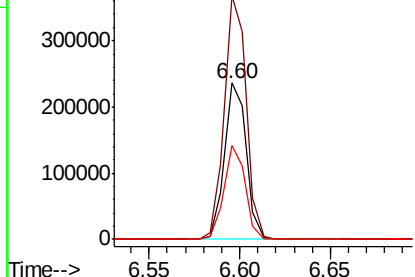
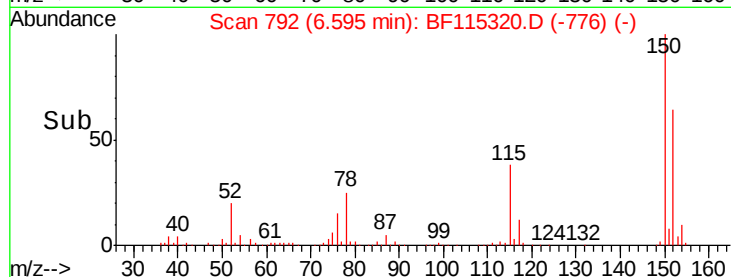
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-A

Tgt Ion:152 Resp: 198608
Ion Ratio Lower Upper
152 100
150 155.6 124.2 186.2
115 59.8 46.1 69.1



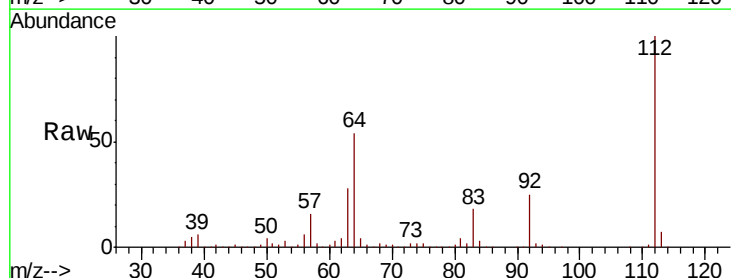
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



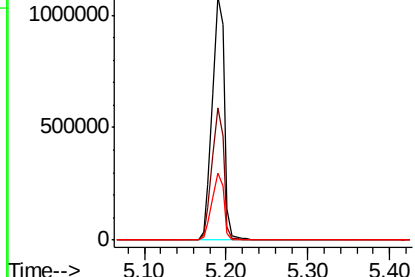
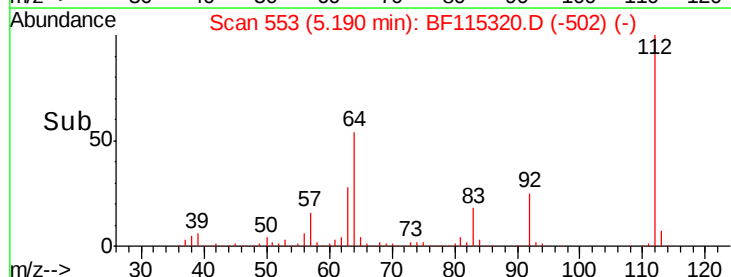
#5

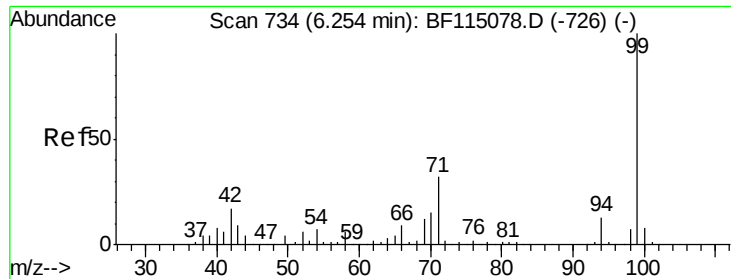
2-Fluorophenol
Concen: 87.505 ng
RT: 5.19 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion:112 Resp: 1126205
Ion Ratio Lower Upper
112 100
64 54.2 43.8 65.6
63 27.6 22.2 33.4



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: 91.769 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-A

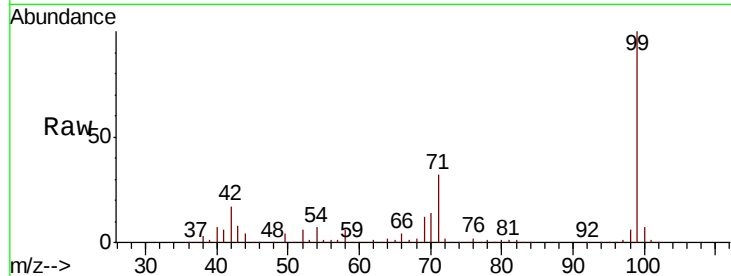
Tgt Ion: 99 Resp: 1433539

Ion Ratio Lower Upper

99 100

42 16.7 13.6 20.4

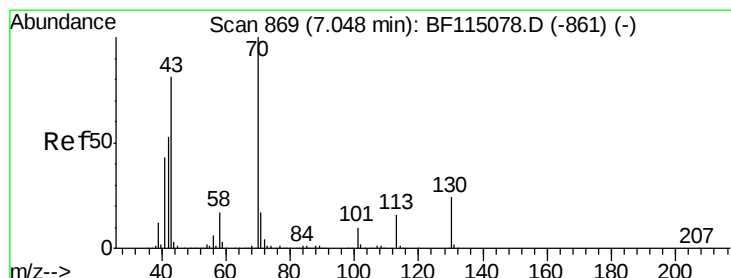
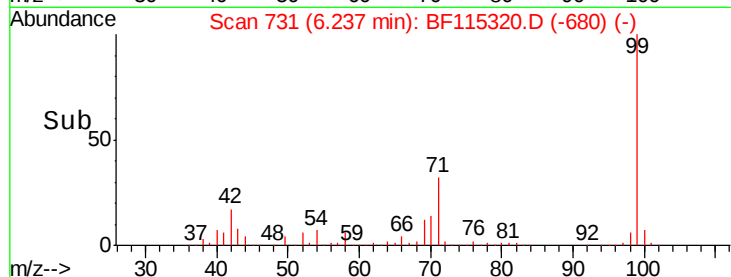
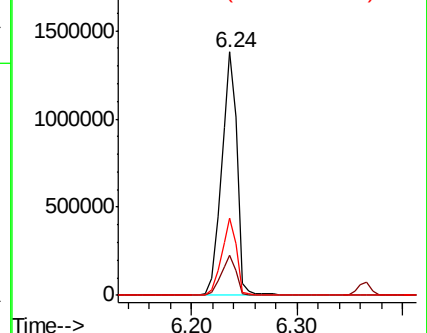
71 31.9 25.5 38.3



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: 10.931 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Tgt Ion: 70 Resp: 109315

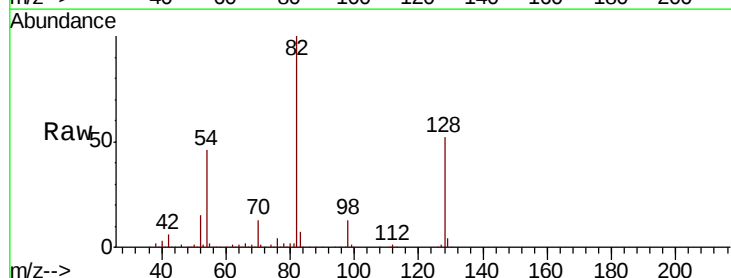
Ion Ratio Lower Upper

70 100

42 45.0 42.6 63.8

101 0.0 8.0 12.0#

130 2.4 19.4 29.0#

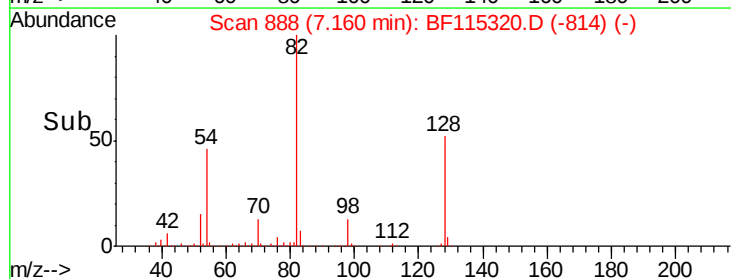
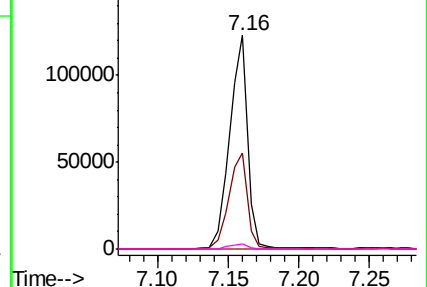


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

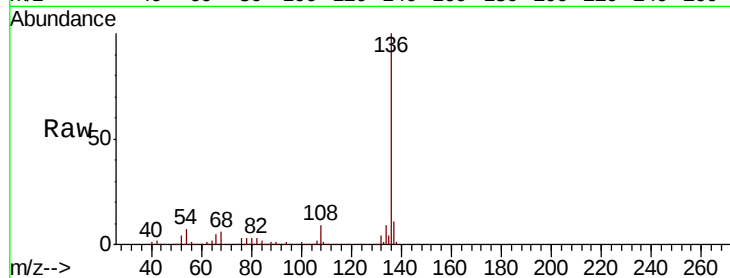




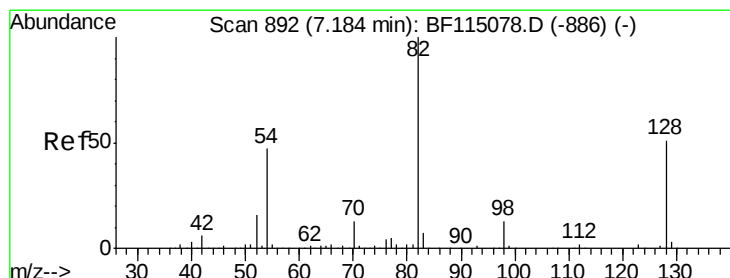
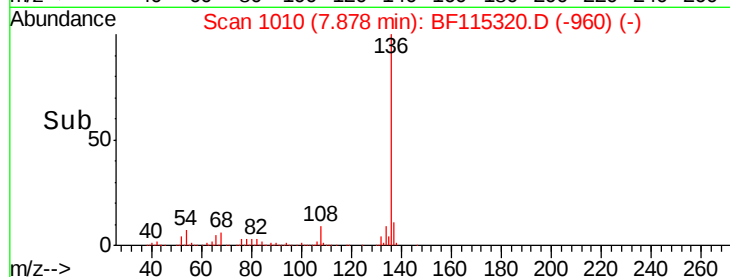
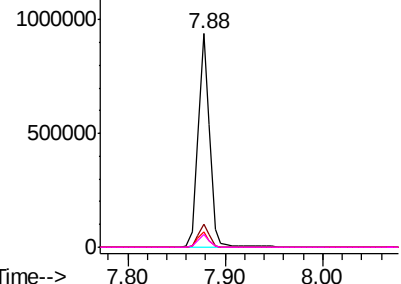
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-A

Tgt Ion:	136	Resp:	770332
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.9	5.6	8.4
68	5.9	4.8	7.2

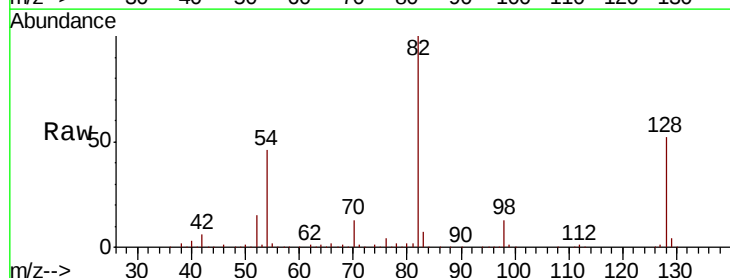


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

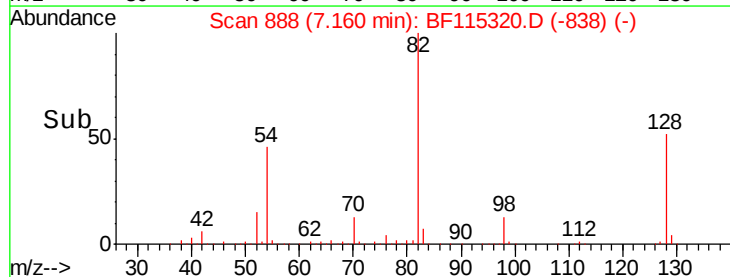
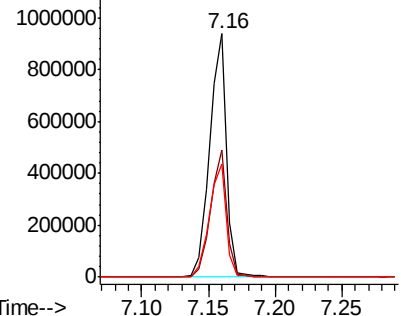


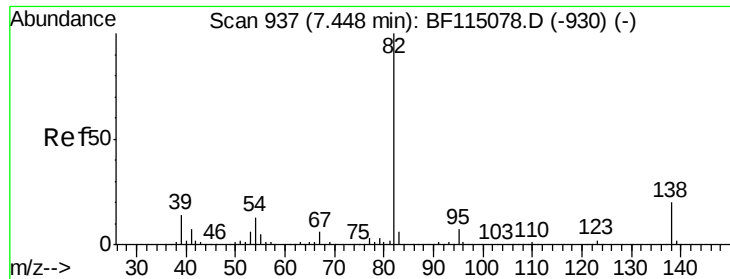
#23
Nitrobenzene-d5
Concen: 66.782 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion:	82	Resp:	836289
Ion	Ratio	Lower	Upper
82	100		
128	52.3	40.4	60.6
54	46.3	37.5	56.3



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





#25

Isophorone

Concen: 32.600 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-A

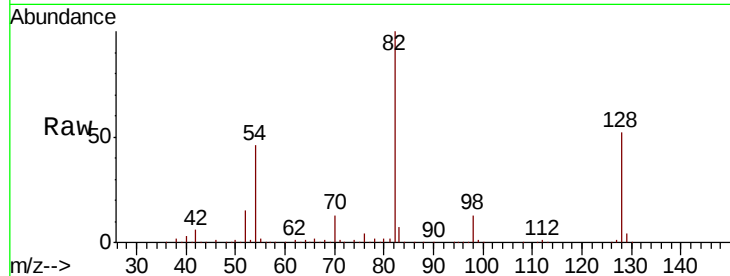
Tgt Ion: 82 Resp: 836282

Ion Ratio Lower Upper

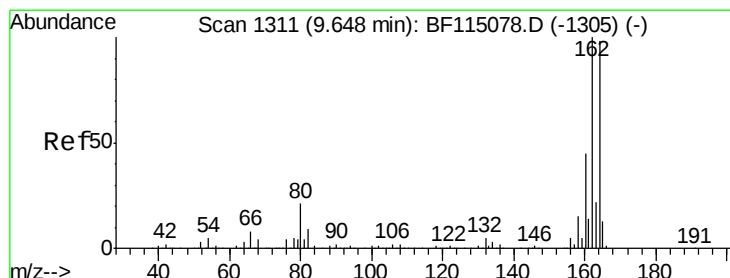
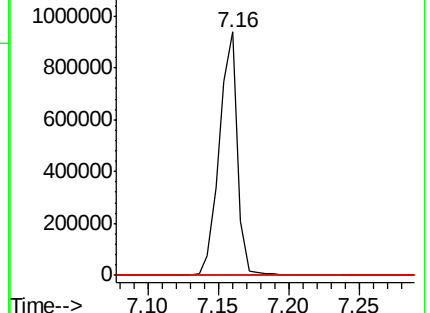
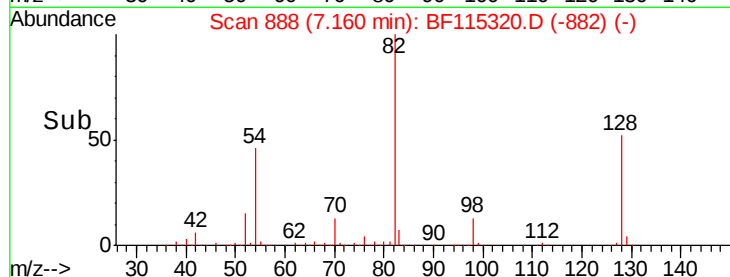
82 100

95 0.0 5.4 8.2#

138 0.0 15.9 23.9#



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: 9.62 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

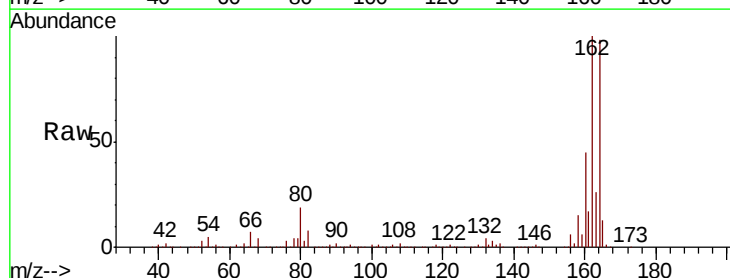
Tgt Ion: 164 Resp: 383455

Ion Ratio Lower Upper

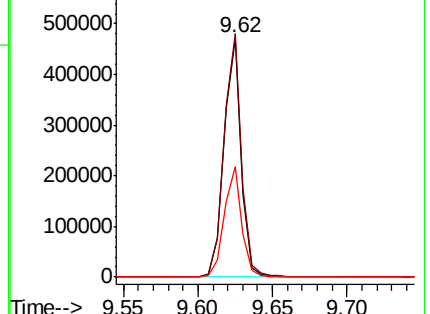
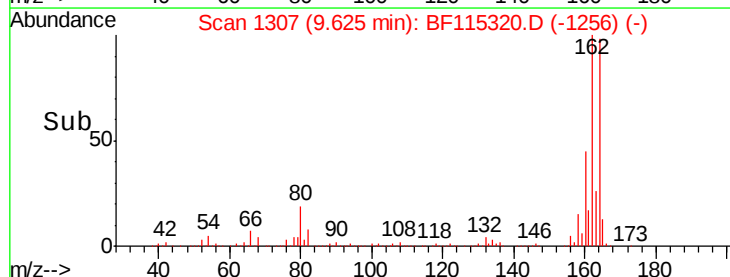
164 100

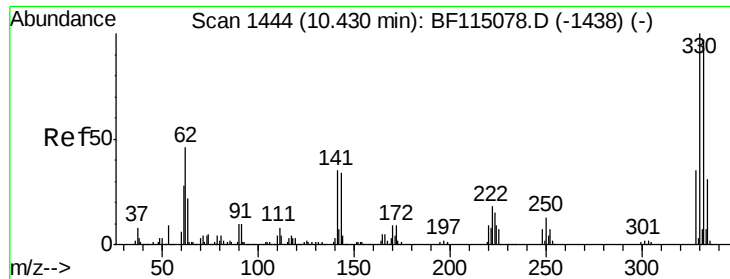
162 101.9 81.7 122.5

160 46.1 37.0 55.4



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

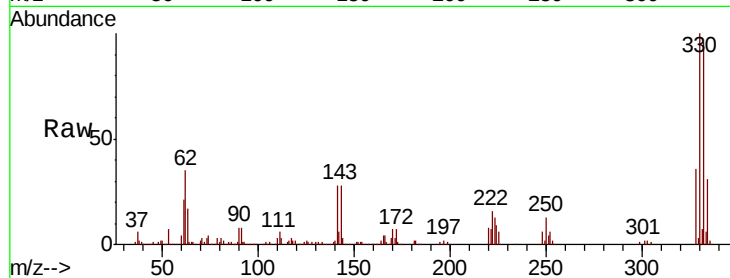




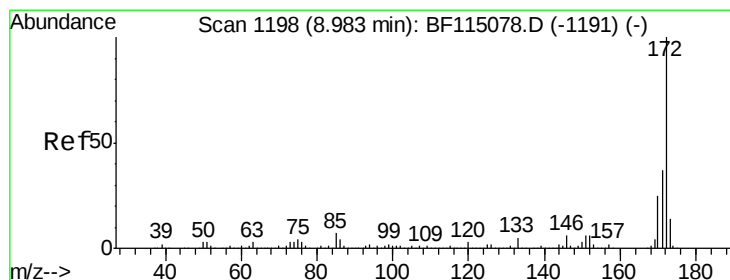
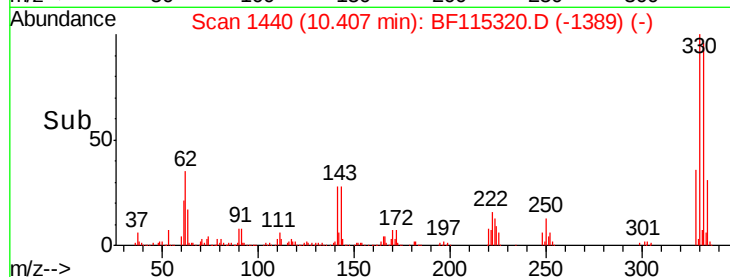
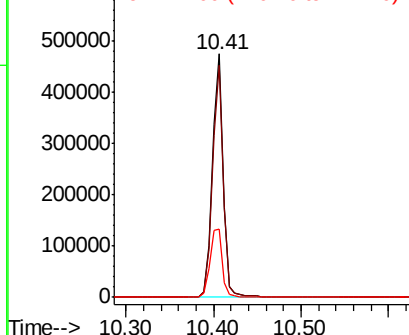
#42
 2,4,6-Tribromophenol
 Concen: 101.151 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115320.D
 Acq: 29 Jun 2019 14:01

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-044-A

Tgt Ion:330 Resp: 409022
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.3 115.9
 141 32.8 28.2 42.2

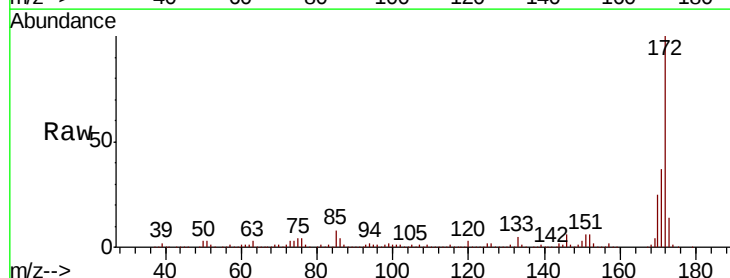


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

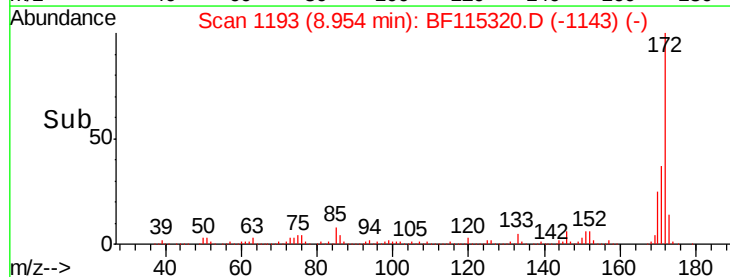
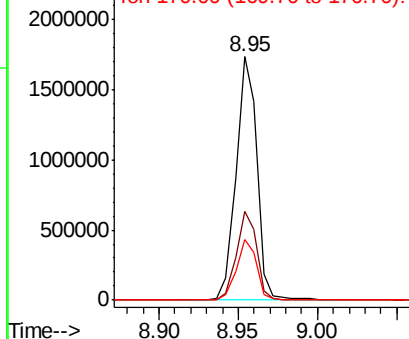


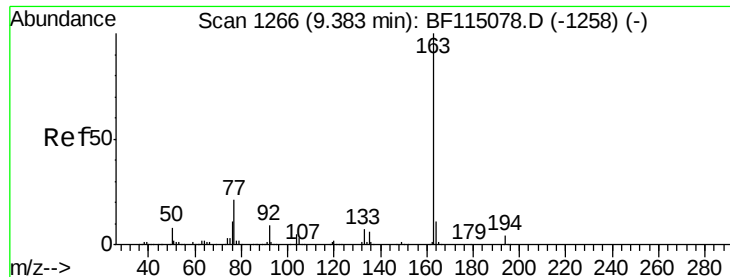
#45
 2-Fluorobiphenyl
 Concen: 70.239 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115320.D
 Acq: 29 Jun 2019 14:01

Tgt Ion:172 Resp: 1585602
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.8 44.6
 170 25.0 20.3 30.5



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

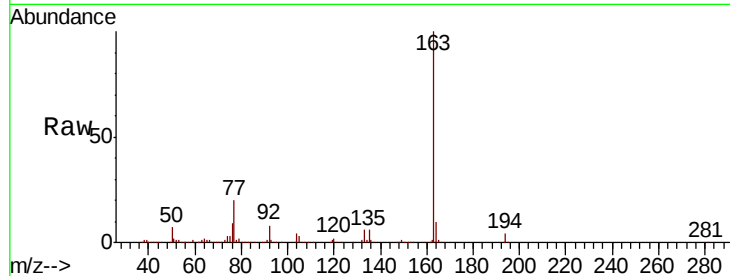




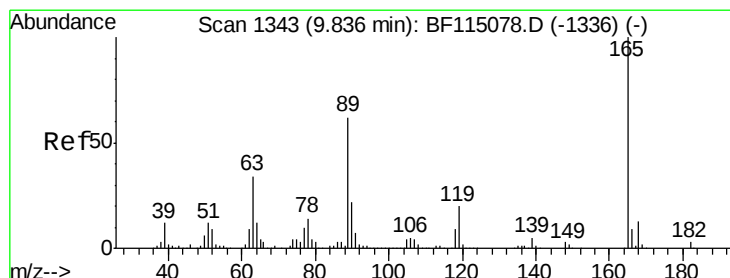
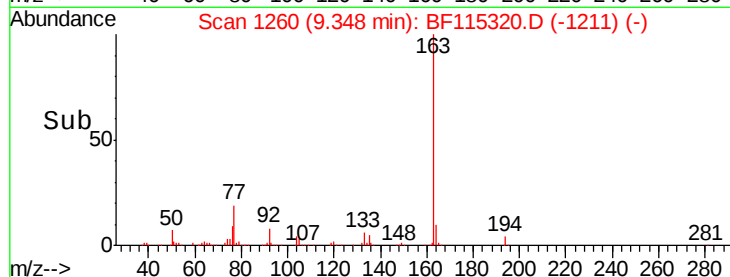
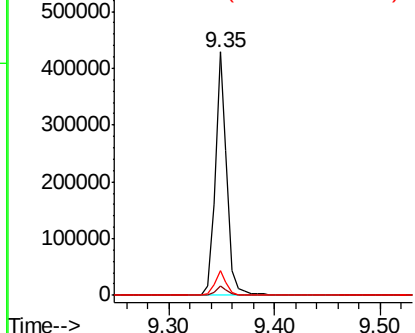
#50
Dimethylphthalate
Concen: 11.805 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-A

Tgt Ion:163 Resp: 333051
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 10.3 8.6 13.0

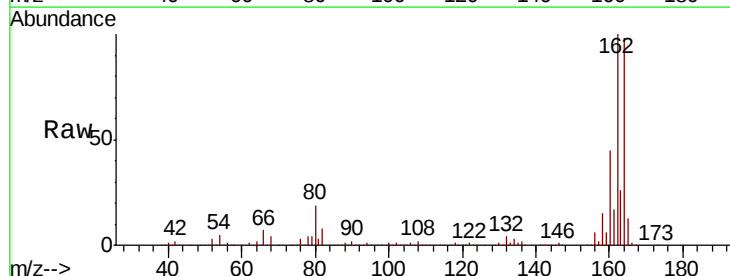


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

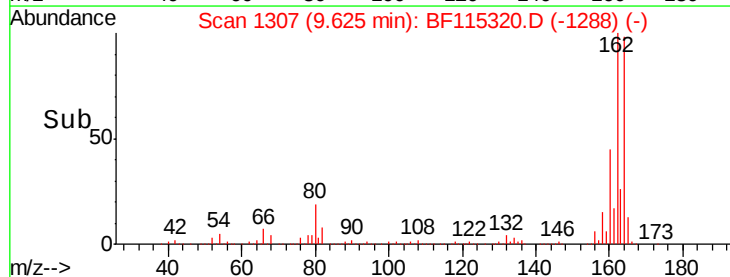
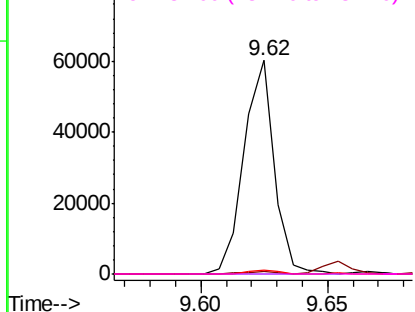


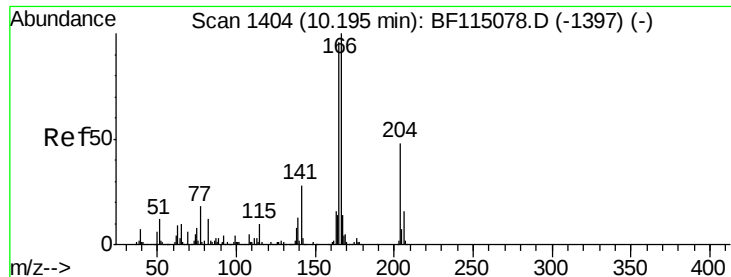
#57
2,4-Dinitrotoluene
Concen: 5.972 ng
RT: 9.62 min Scan# 1307
Delta R.T. -0.19 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion:165 Resp: 50221
Ion Ratio Lower Upper
165 100
63 1.3 27.5 41.3#
89 1.6 49.9 74.9#
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





#58

Fluorene

Concen: Below Cal

RT: 10.17 min Scan# 1399

Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-A

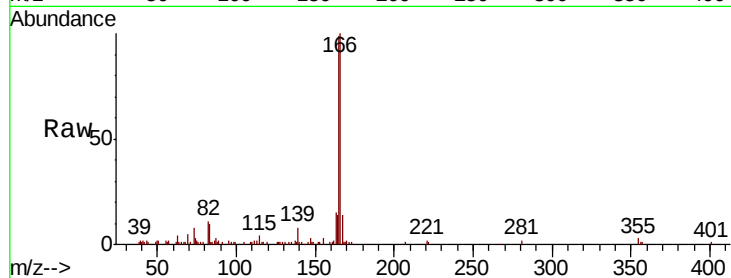
Tgt Ion:166 Resp: 47195

Ion Ratio Lower Upper

166 100

165 98.5 76.5 114.7

167 14.3 11.0 16.4

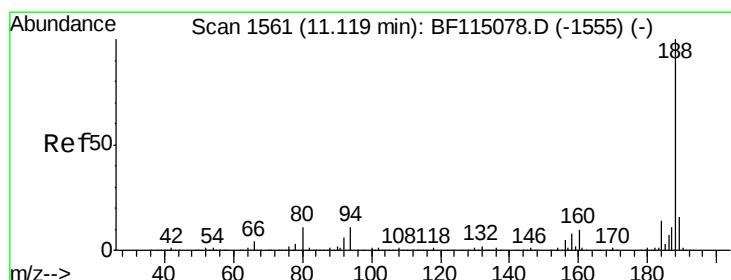
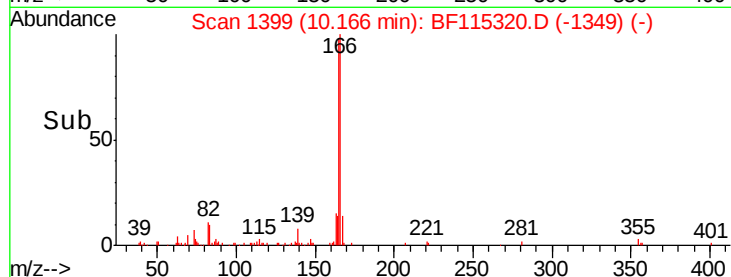
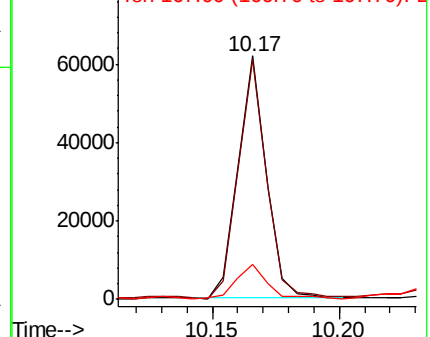


Abundance

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: 11.10 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

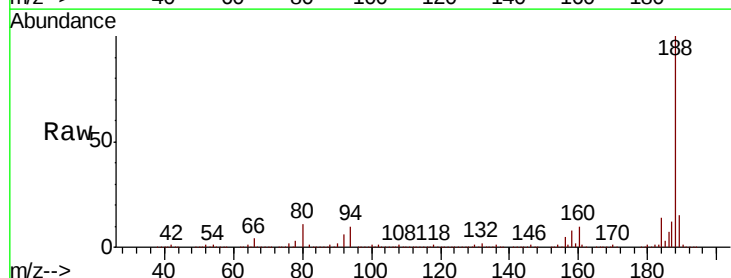
Tgt Ion:188 Resp: 775367

Ion Ratio Lower Upper

188 100

94 10.3 8.6 12.8

80 10.6 8.8 13.2

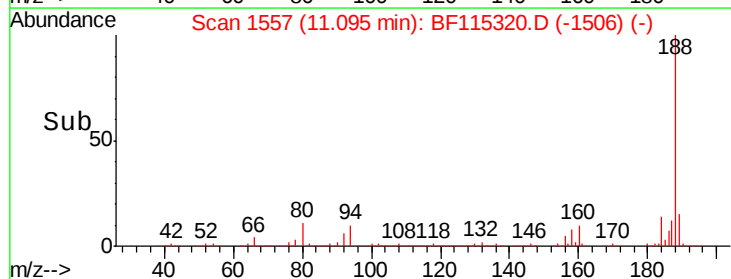
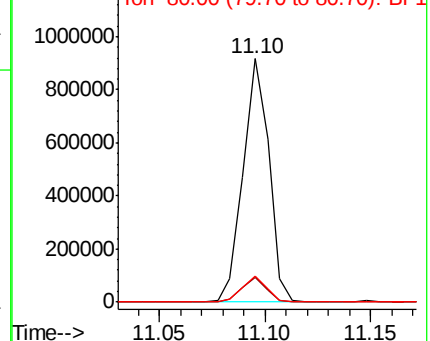


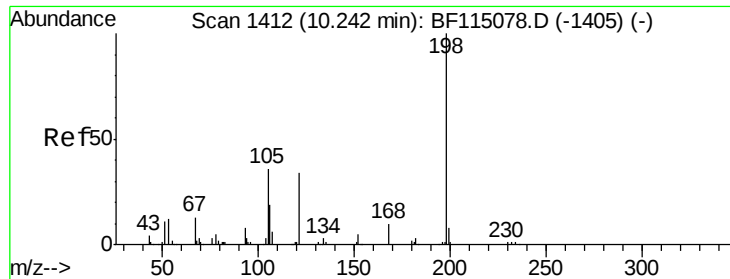
Abundance

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

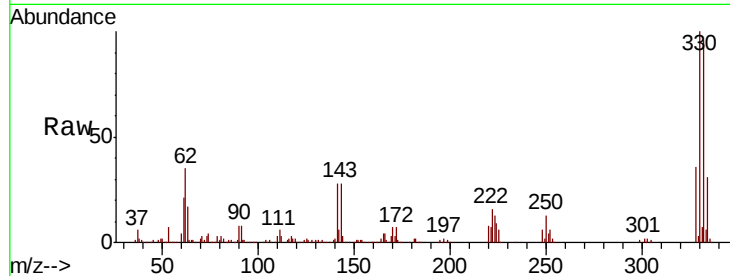




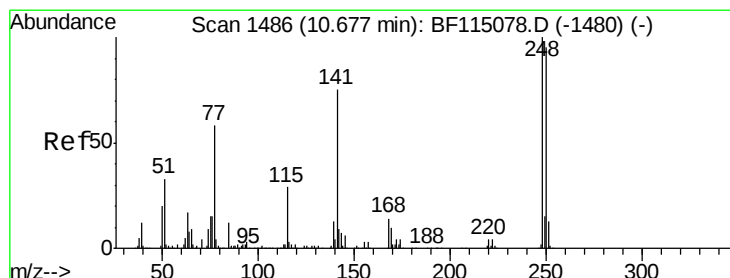
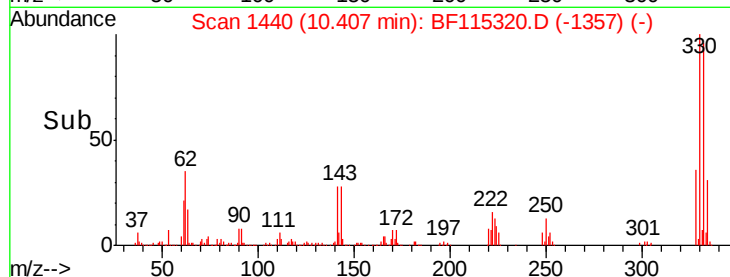
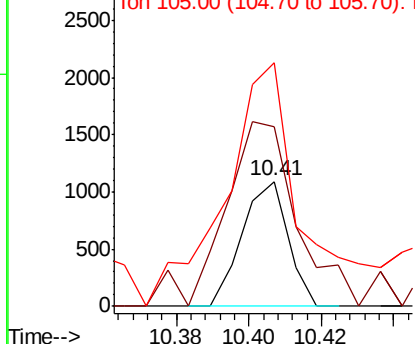
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.167 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.19 min
 Lab File: BF115320.D
 Acq: 29 Jun 2019 14:01

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-044-A

Tgt Ion:198 Resp: 954
 Ion Ratio Lower Upper
 198 100
 51 144.4 11.0 51.0#
 105 195.1 17.3 57.3#

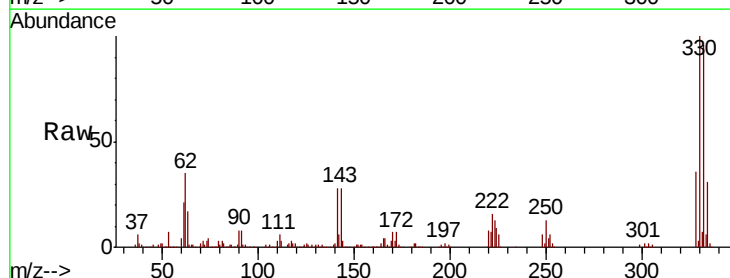


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

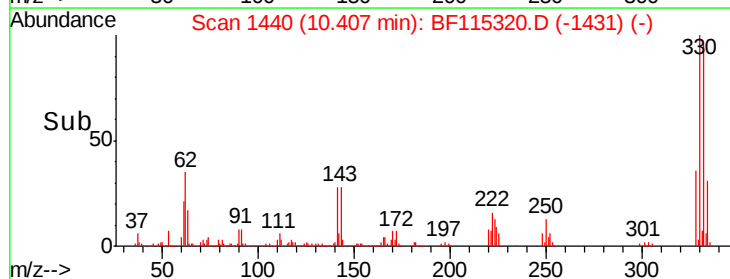
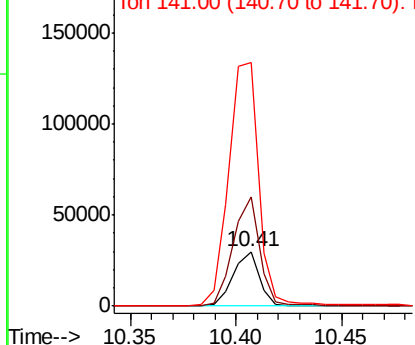


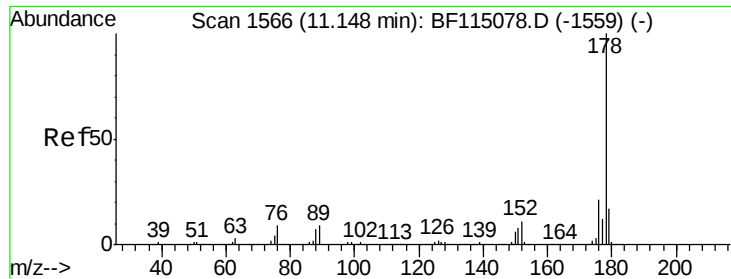
#67
 4-Bromophenyl-phenylether
 Concen: 3.061 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF115320.D
 Acq: 29 Jun 2019 14:01

Tgt Ion:248 Resp: 25729
 Ion Ratio Lower Upper
 248 100
 250 199.6 76.2 114.2#
 141 447.6 59.6 89.4#



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

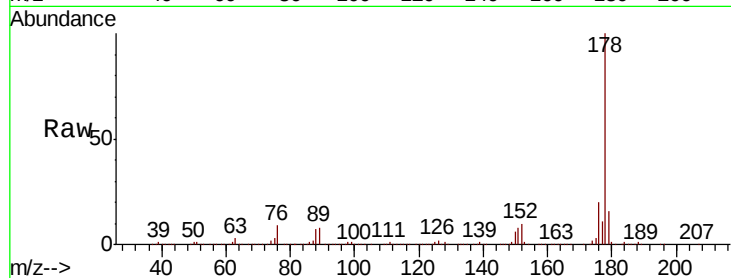




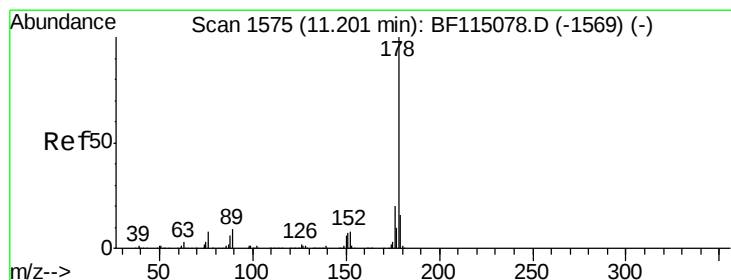
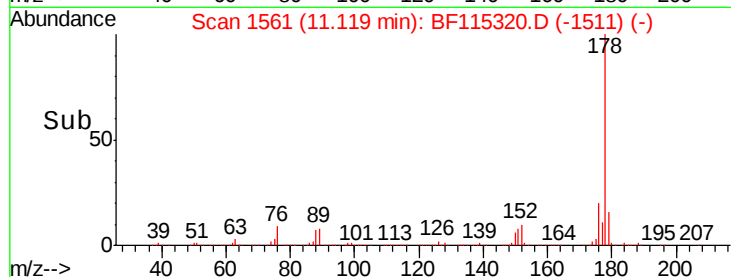
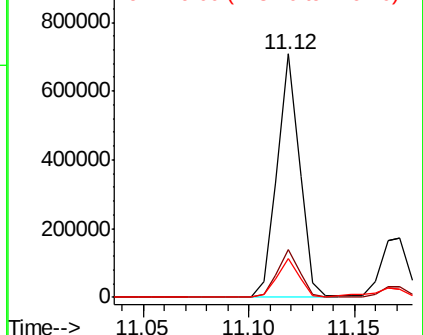
#71
Phenanthrene
Concen: 12.606 ng
RT: 11.12 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-A

Tgt Ion:178 Resp: 526243
Ion Ratio Lower Upper
178 100
176 19.6 16.9 25.3
179 15.8 13.2 19.8

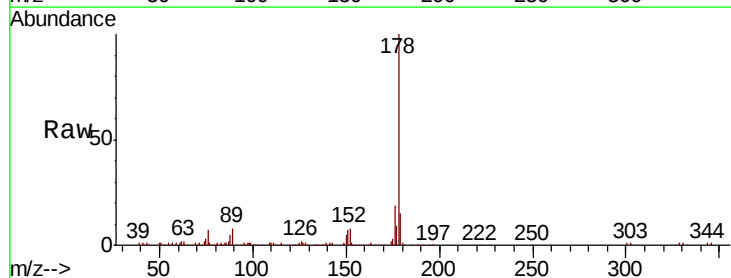


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

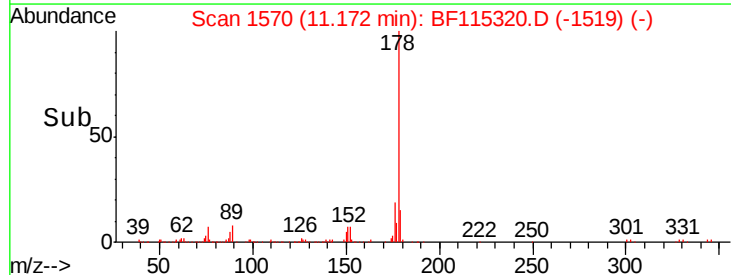
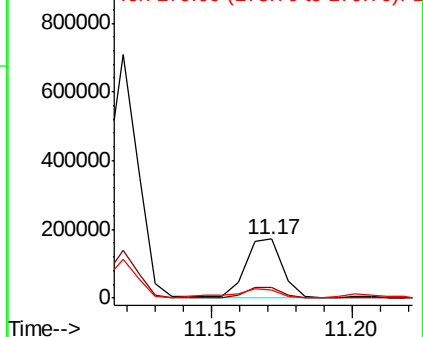


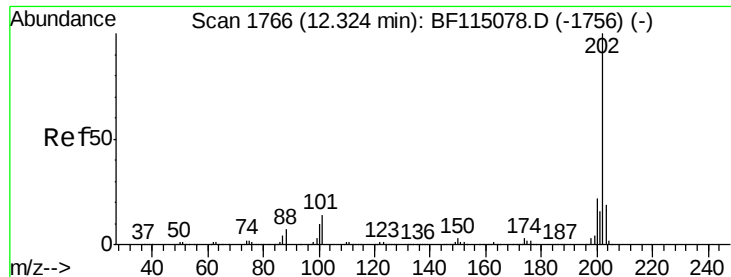
#72
Anthracene
Concen: 3.649 ng
RT: 11.17 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion:178 Resp: 153759
Ion Ratio Lower Upper
178 100
176 18.7 16.1 24.1
179 14.7 12.9 19.3



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: 15.420 ng

RT: 12.30 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-A

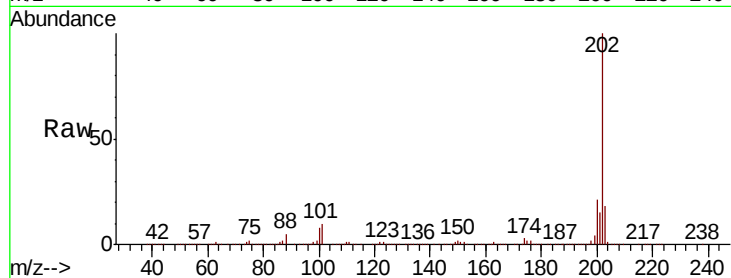
Tgt Ion:202 Resp: 642290

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.0

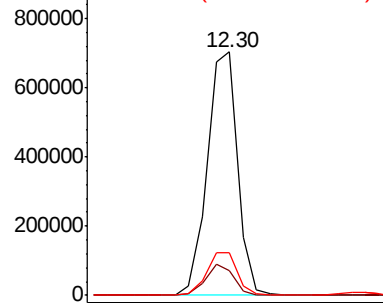
203 17.5 0.0 38.8



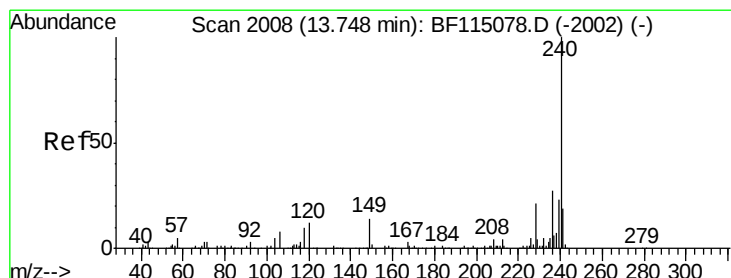
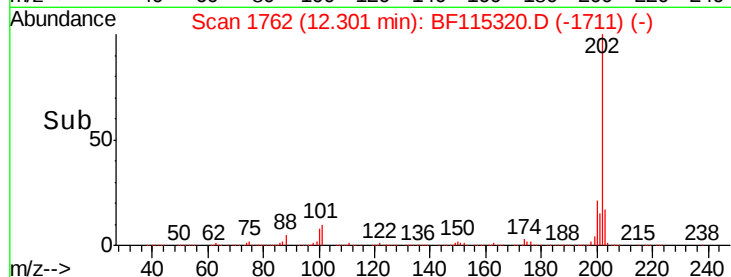
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.71 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

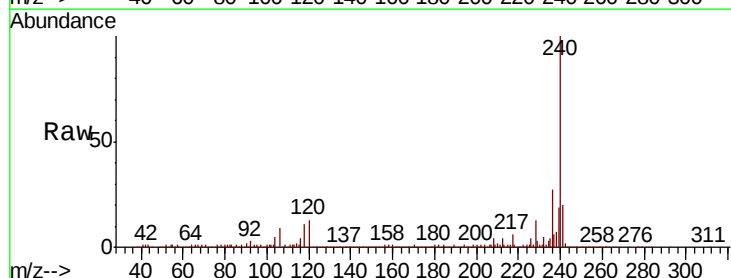
Tgt Ion:240 Resp: 645538

Ion Ratio Lower Upper

240 100

120 12.8 9.4 14.2

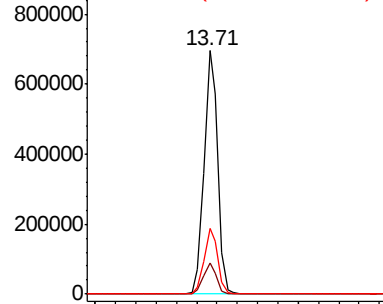
236 26.9 21.7 32.5



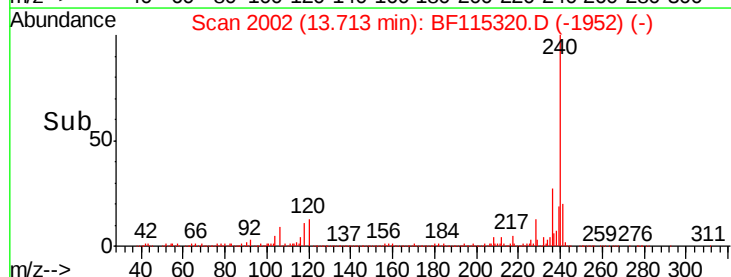
Abundance Ion 240.00 (239.70 to 240.70): E

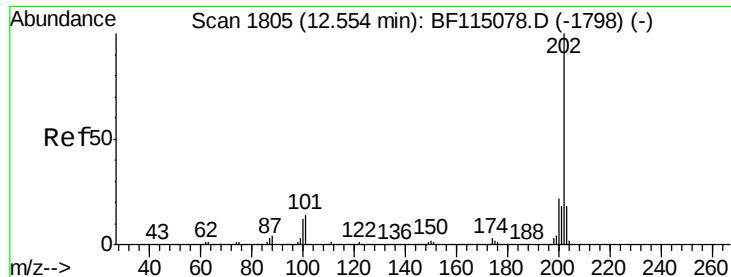
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Pyrene

Concen: 11.406 ng

RT: 12.52 min Scan# 1800

Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-A

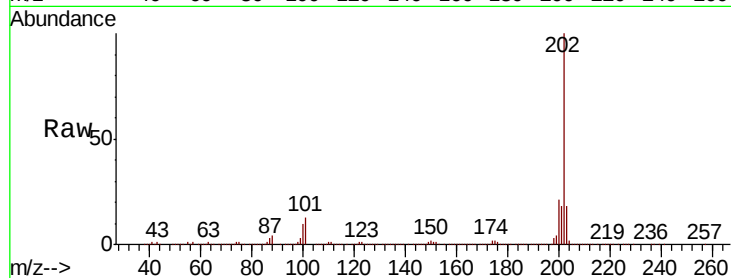
Tgt Ion:202 Resp: 565868

Ion Ratio Lower Upper

202 100

200 21.4 17.9 26.9

203 18.1 14.6 21.8

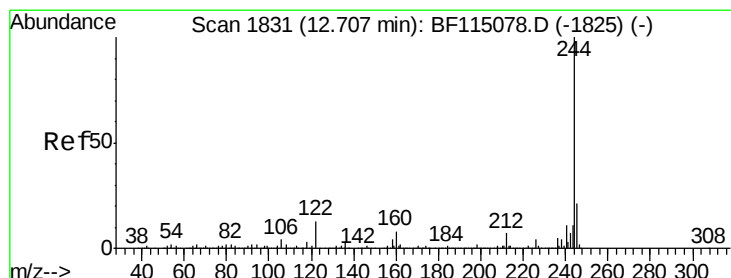
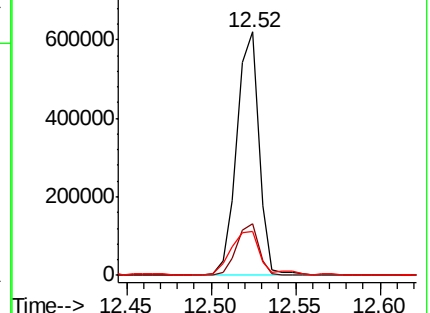
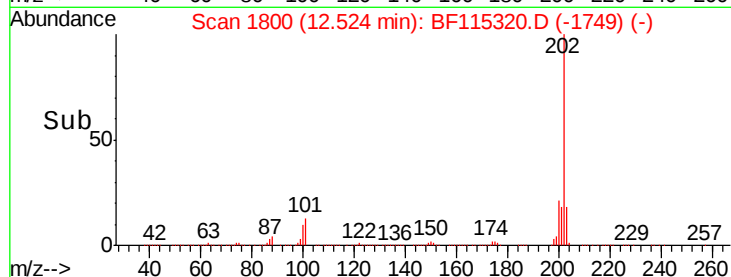


Abundance

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: 61.925 ng

RT: 12.68 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

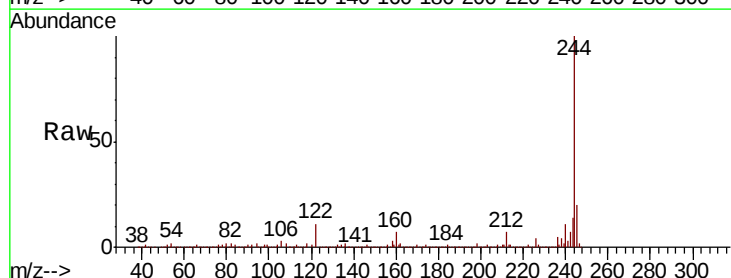
Tgt Ion:244 Resp: 1880138

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 10.7 10.4 15.6

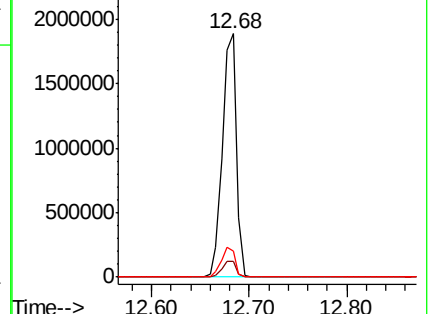
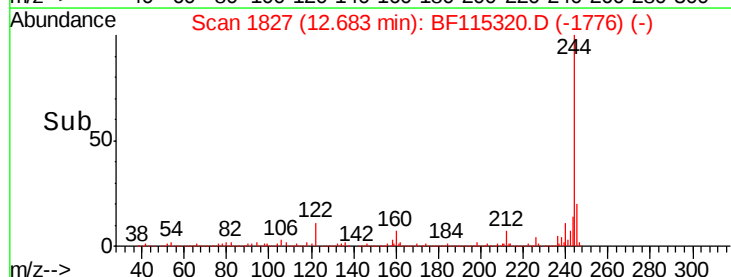


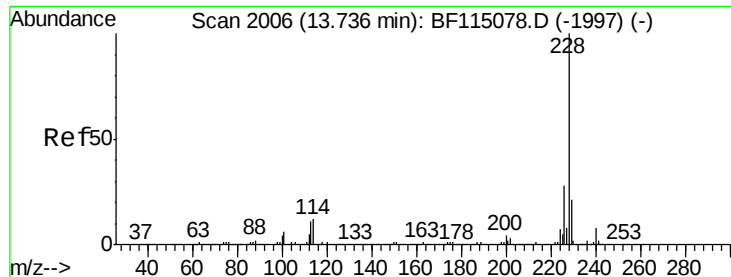
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 5.921 ng

RT: 13.70 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-A

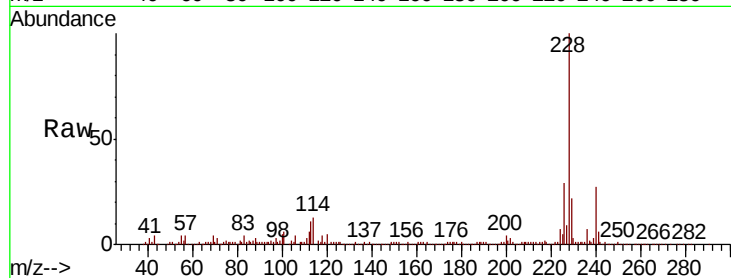
Tgt Ion:228 Resp: 274246

Ion Ratio Lower Upper

228 100

226 28.6 22.5 33.7

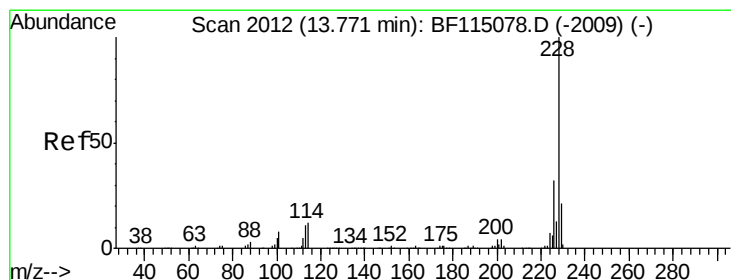
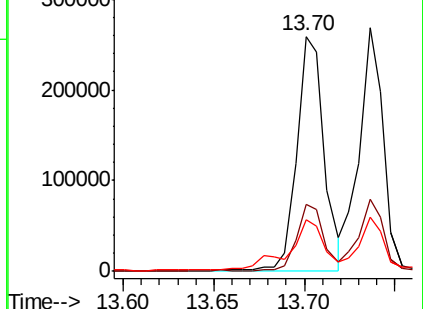
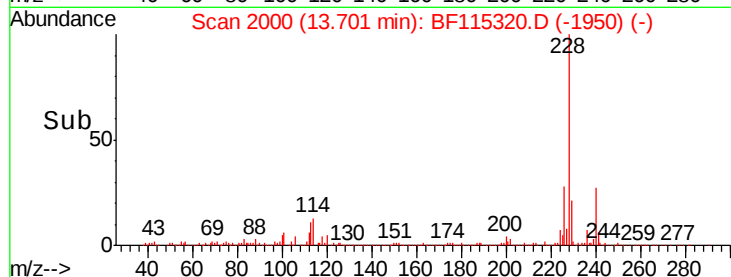
229 21.8 16.6 24.8



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



#83

Chrysene

Concen: 5.856 ng

RT: 13.74 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

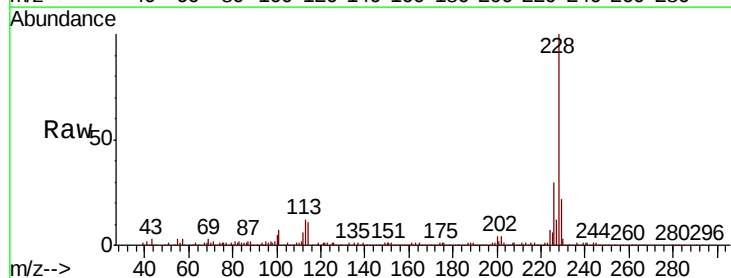
Tgt Ion:228 Resp: 248480

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.0

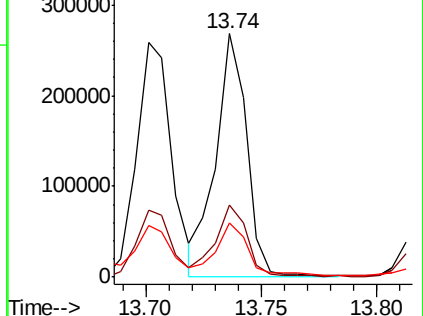
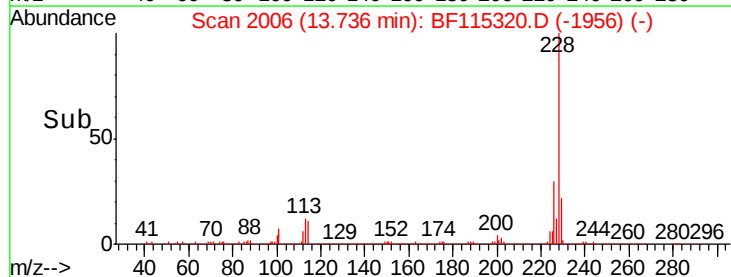
229 22.0 16.5 24.7

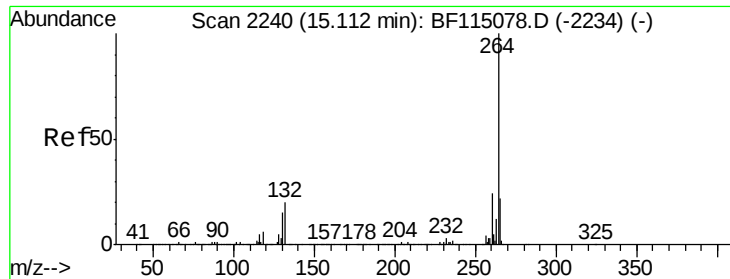


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



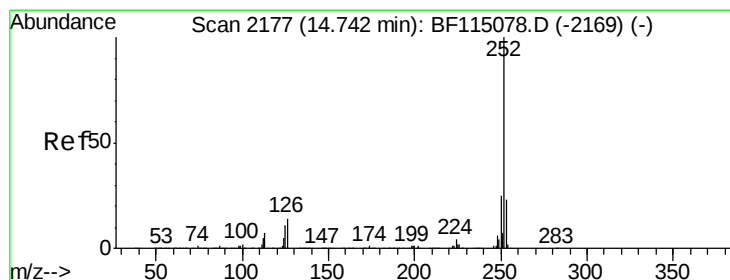
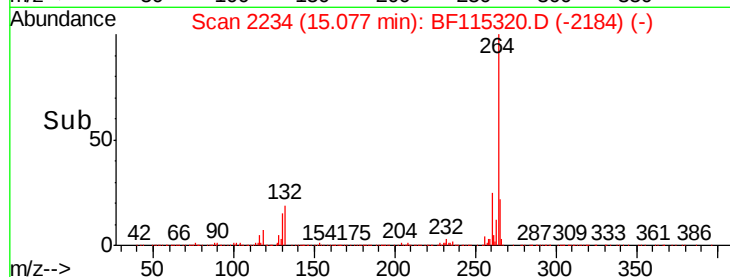
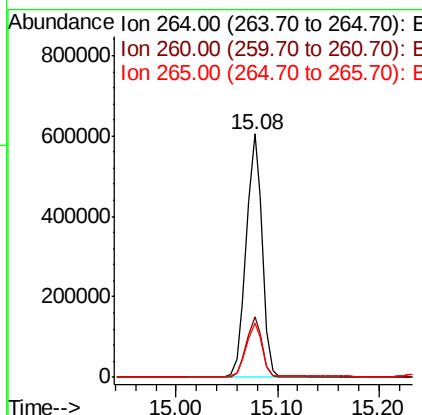
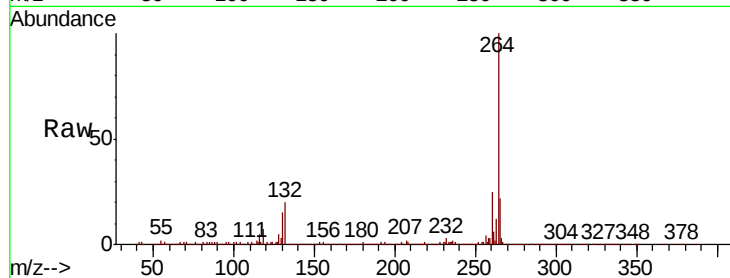


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-A

Tgt Ion: 264 Resp: 664468

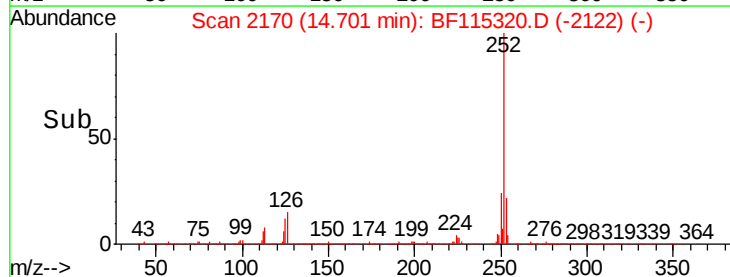
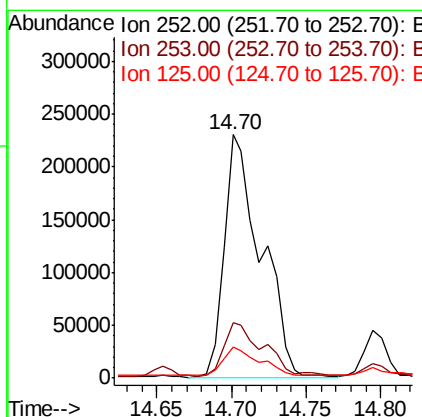
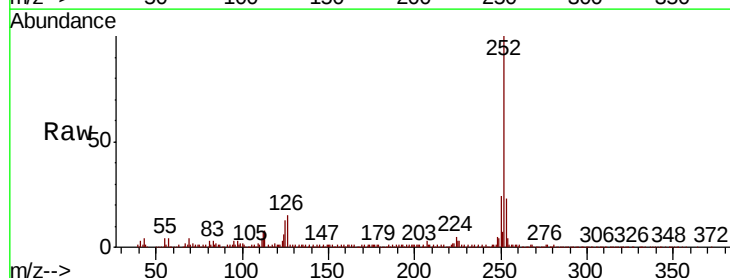
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	22.0	17.3	25.9

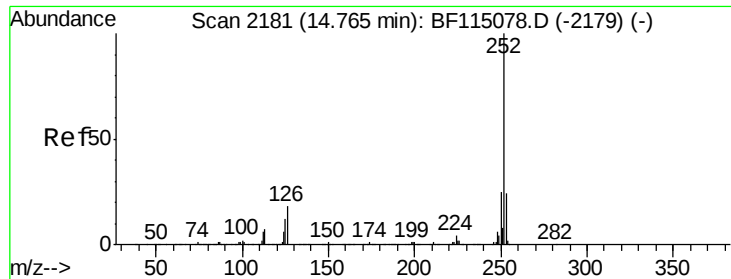


#88
Benzo(b)fluoranthene
Concen: 9.527 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion: 252 Resp: 395005

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	12.6	8.7	13.1

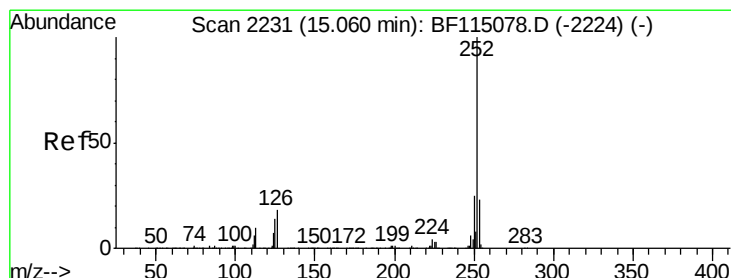
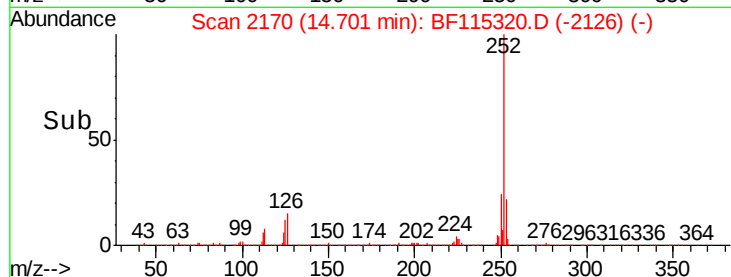
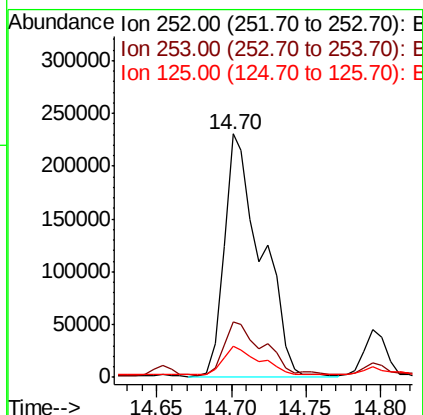
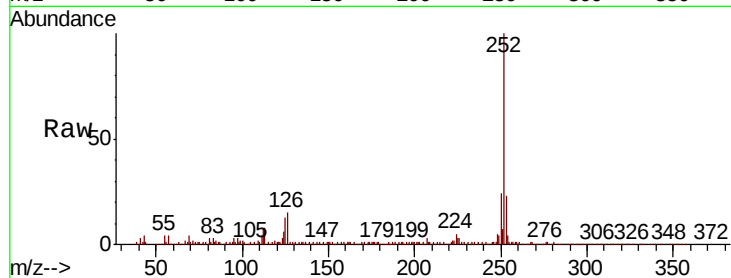




#89
Benzo(k)fluoranthene
Concen: 10.624 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.04 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

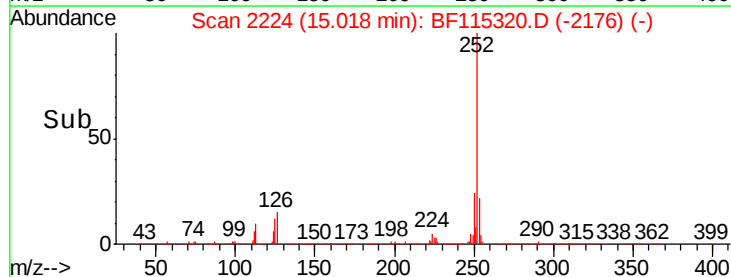
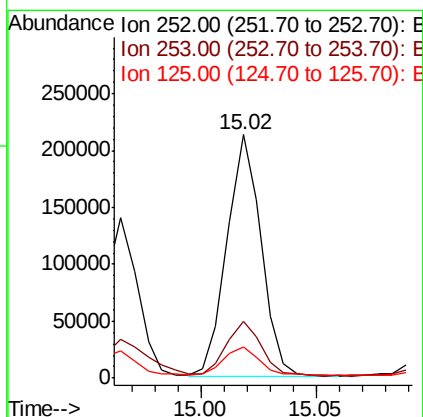
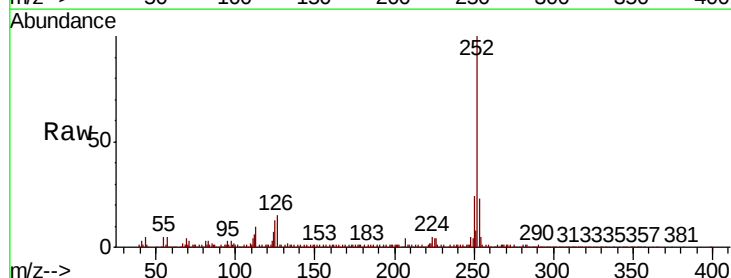
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-A

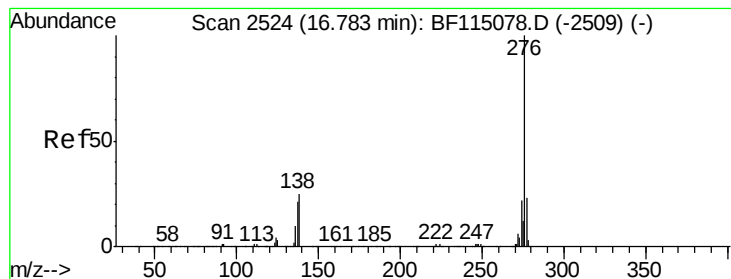
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.9	28.3
125	12.6	10.2	15.2



#90
Benzo(a)pyrene
Concen: 5.891 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.3	27.5
125	12.7	10.9	16.3





#92

Benzo(g,h,i)perylene

Concen: 3.183 ng

RT: 16.71 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-A

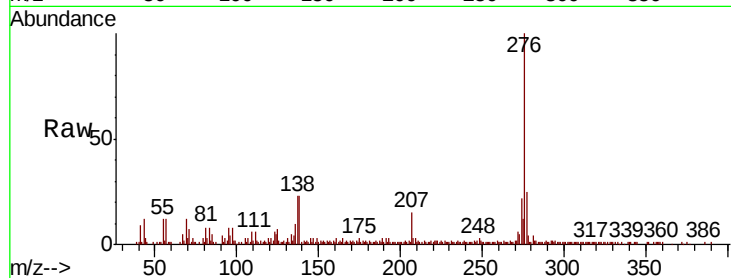
Tgt Ion: 276 Resp: 112378

Ion Ratio Lower Upper

276 100

277 24.8 18.6 28.0

138 23.1 19.8 29.6



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

