

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121418\
 Data File : BF111439.D
 Acq On : 15 Dec 2018 00:40
 Operator : JU/SJ
 Sample : J6374-01 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-029-A

Quant Time: Dec 15 02:54:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	247840	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	958483	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	291260	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	439724	20.00	ng	0.00
76) Chrysene-d12	13.95	240	451321	20.00	ng	0.00
87) Perylene-d12	15.39	264	310692	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	640784	43.02	ng	0.00
7) Phenol-d6	6.43	99	1070388	54.03	ng	0.00
23) Nitrobenzene-d5	7.35	82	618384	38.42	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	105938	40.60	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1029974	54.62	ng	0.00
79) Terphenyl-d14	12.90	244	726985	37.83	ng	0.00

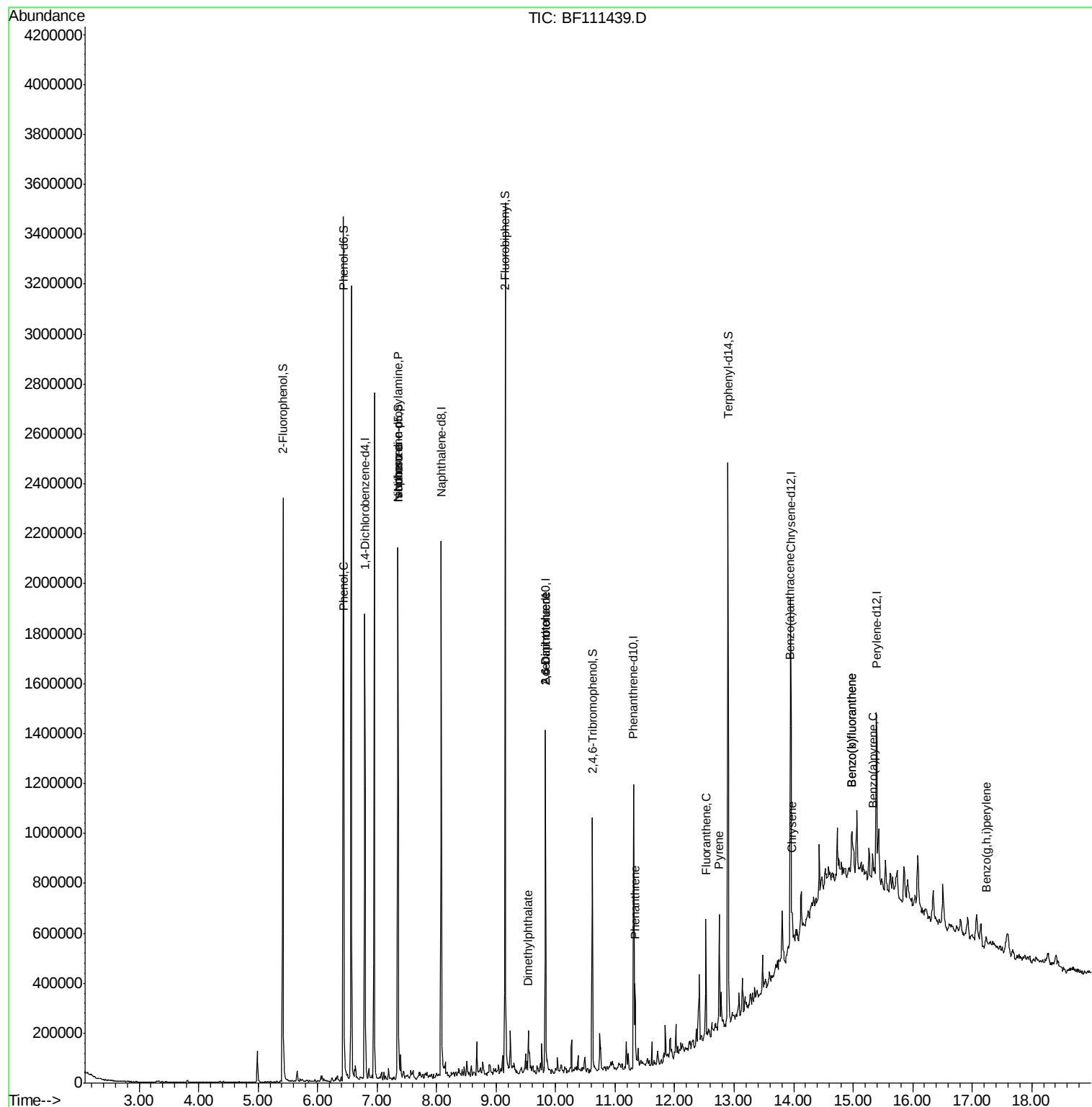
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	64366	2.917	ng	92
19) n-Nitroso-di-n-propylamine	7.35	70	75875	5.805	ng	# 75
25) Isophorone	7.35	82	614679	22.570	ng	# 64
50) Dimethylphthalate	9.55	163	62877	2.998	ng	97
51) 2,6-Dinitrotoluene	9.83	165	37267	7.893	ng	# 29
57) 2,4-Dinitrotoluene	9.83	165	37267	6.014	ng	# 24
71) Phenanthrene	11.33	178	110845	4.892	ng	93
75) Fluoranthene	12.52	202	193794	8.743	ng	98
78) Pyrene	12.75	202	178088	5.597	ng	96
81) Benzo(a)anthracene	13.94	228	85043	3.465	ng	99
83) Chrysene	13.97	228	78766	3.047	ng	97
88) Benzo(b)fluoranthene	14.98	252	100862	5.568	ng	# 80
89) Benzo(k)fluoranthene	14.98	252	100862	5.827	ng	# 79
90) Benzo(a)pyrene	15.33	252	50240	3.076	ng	# 82
92) Benzo(g,h,i)perylene	17.23	276	27396	2.166	ng	93

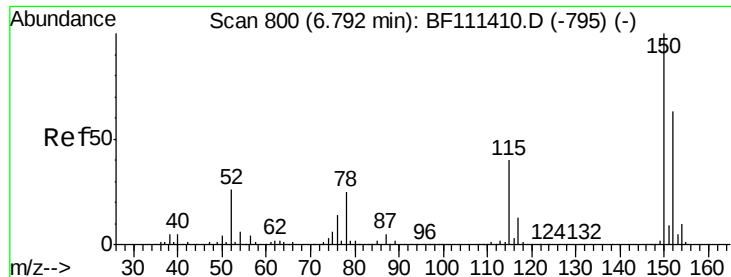
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111439.D

Acq: 15 Dec 2018 00:40

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-029-A

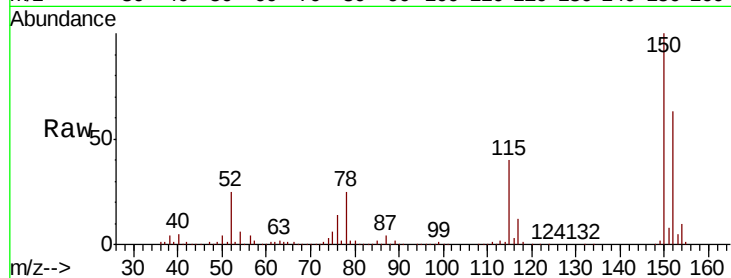
Tgt Ion:152 Resp: 247840

Ion Ratio Lower Upper

152 100

150 157.8 126.6 189.8

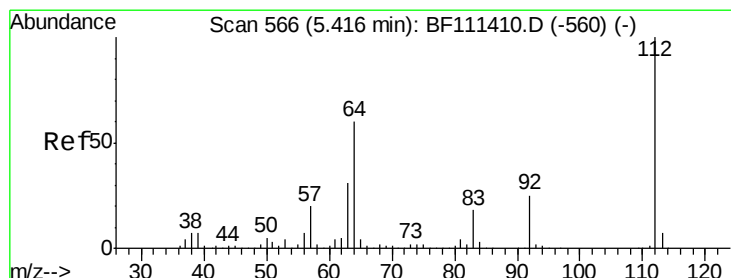
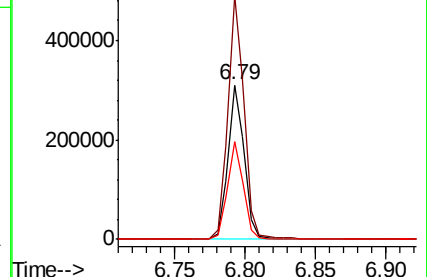
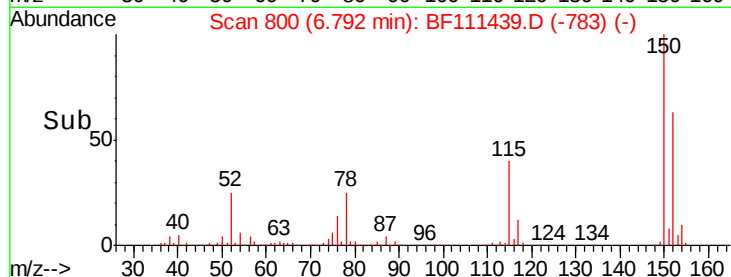
115 63.7 50.7 76.1



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: 43.024 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF111439.D

Acq: 15 Dec 2018 00:40

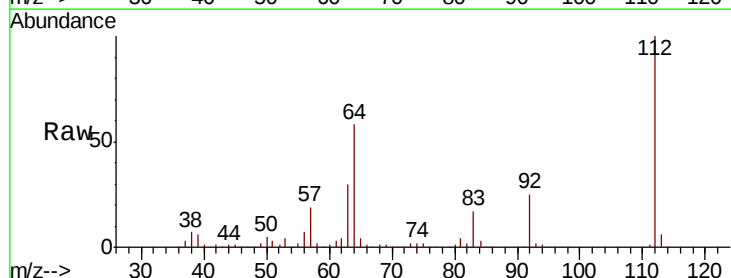
Tgt Ion:112 Resp: 640784

Ion Ratio Lower Upper

112 100

64 58.4 51.8 77.6

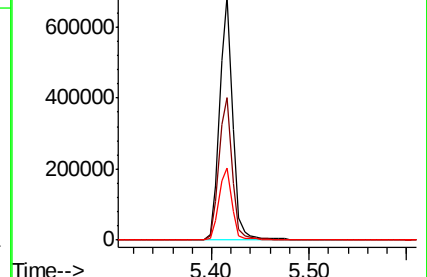
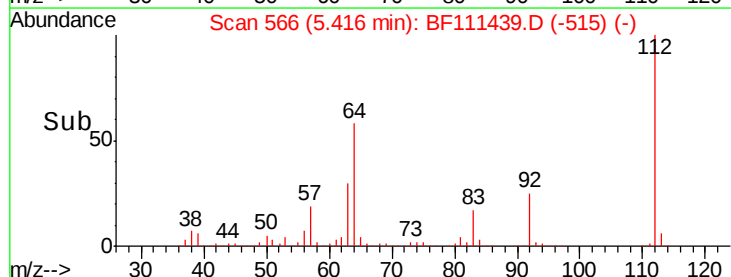
63 29.8 26.8 40.2

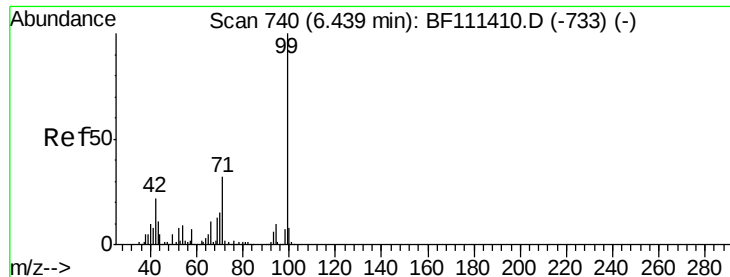


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 54.029 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111439.D

Acq: 15 Dec 2018 00:40

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-029-A

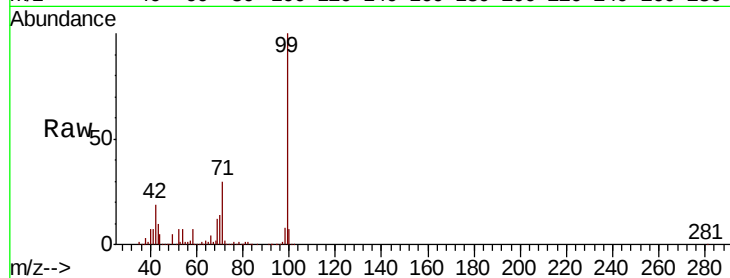
Tgt Ion: 99 Resp: 1070388

Ion Ratio Lower Upper

99 100

42 19.3 17.4 26.0

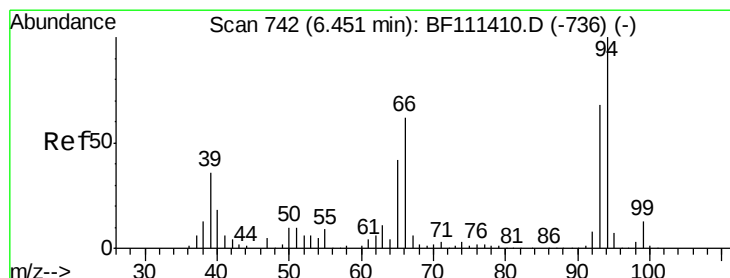
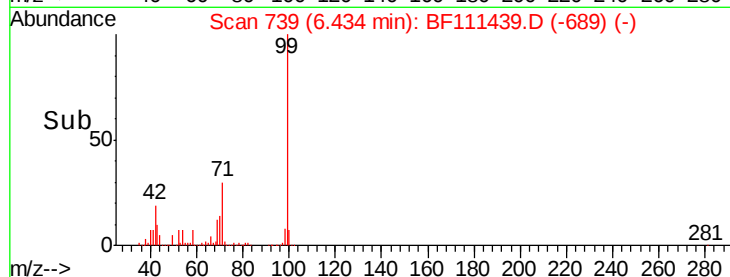
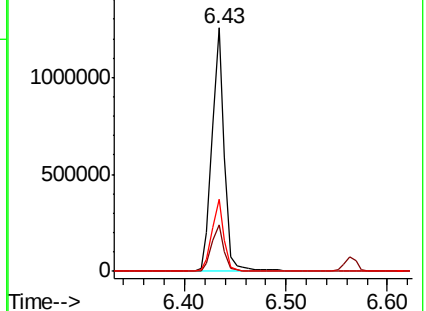
71 29.8 26.1 39.1



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: 2.917 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111439.D

Acq: 15 Dec 2018 00:40

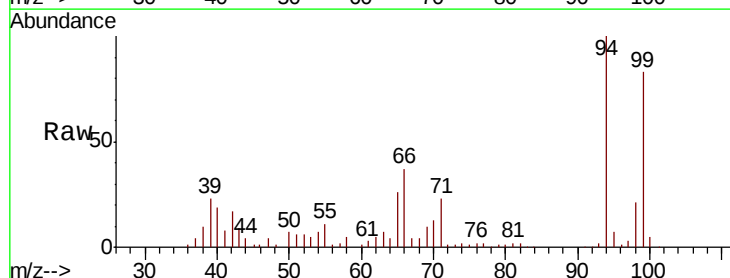
Tgt Ion: 94 Resp: 64366

Ion Ratio Lower Upper

94 100

65 26.1 11.7 51.7

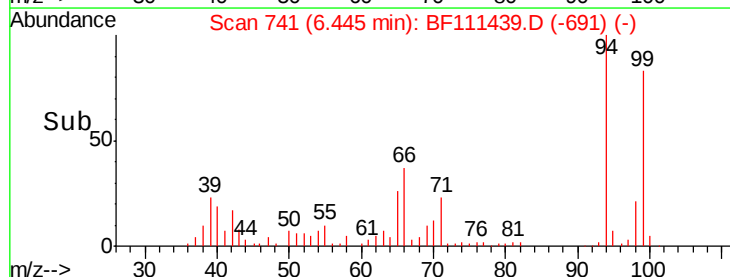
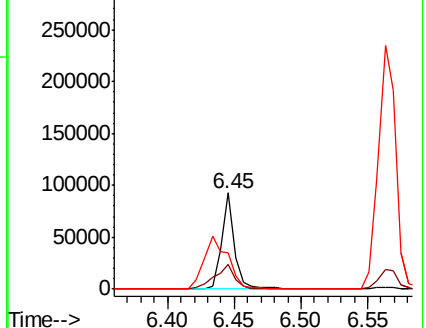
66 37.3 21.0 61.0



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

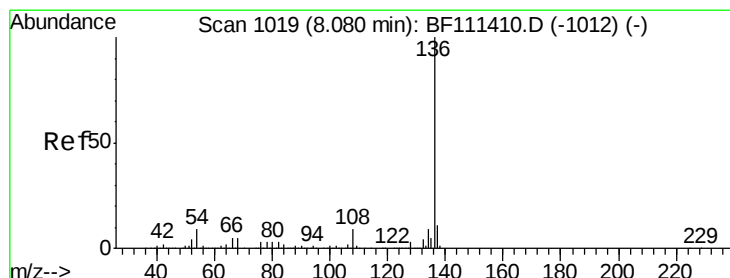
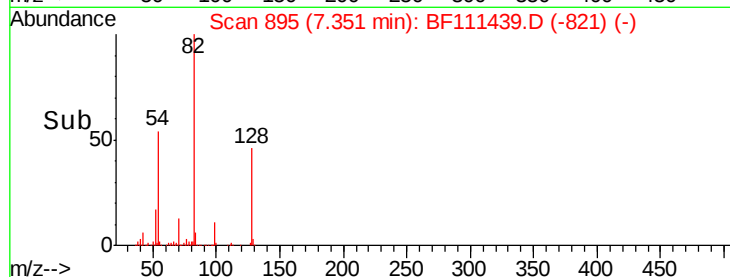
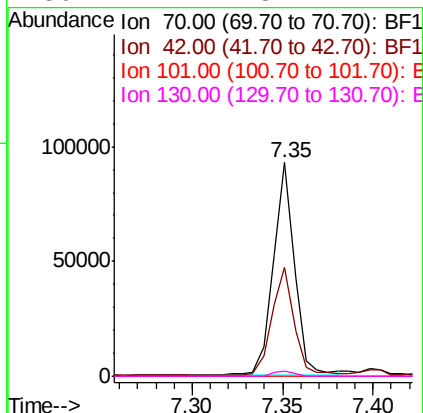
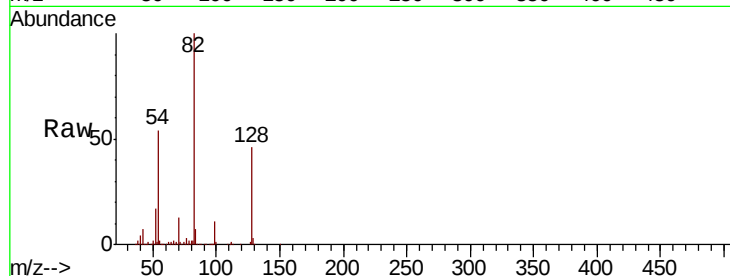




#19
n-Nitroso-di-n-propylamine
Concen: 5.805 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

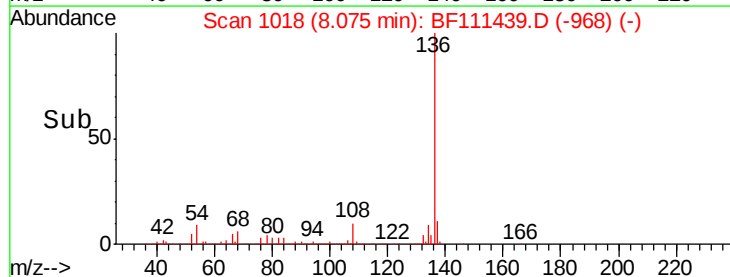
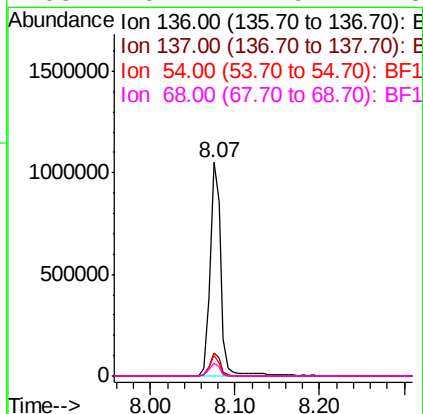
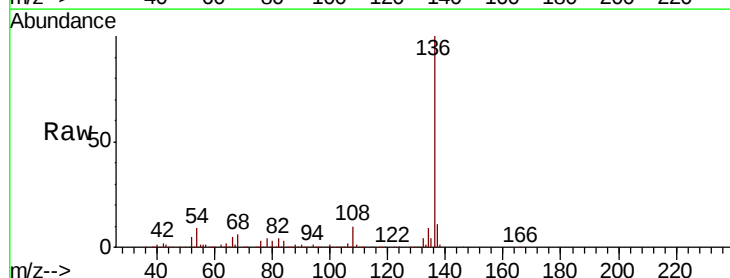
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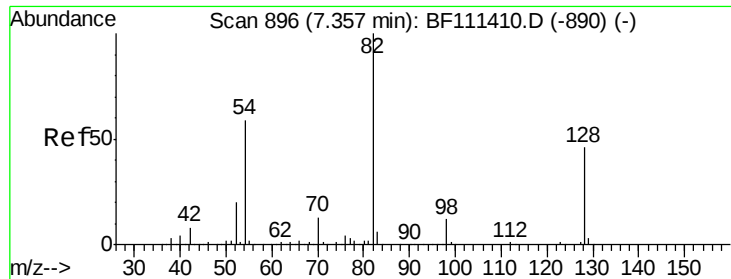
Tgt Ion: 70 Resp: 75875
Ion Ratio Lower Upper
70 100
42 51.2 53.2 79.8#
101 0.0 8.2 12.4#
130 2.7 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

Tgt Ion: 136 Resp: 958483
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 9.4 7.7 11.5
68 6.2 4.9 7.3

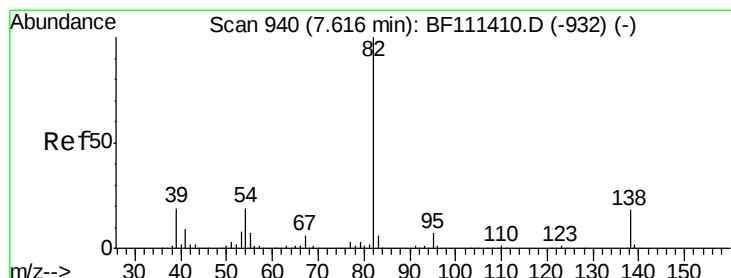
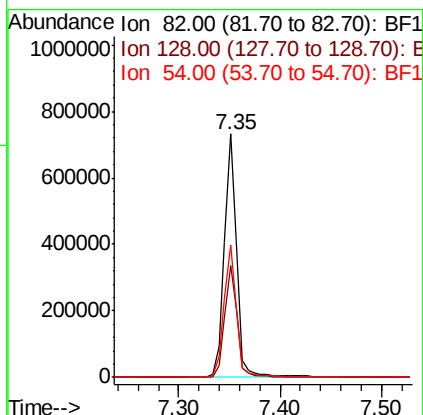
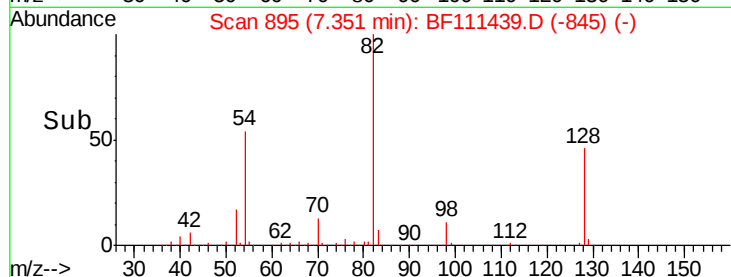
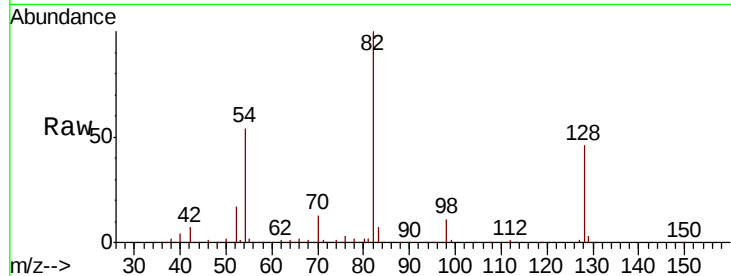




#23
 Nitrobenzene-d5
 Concen: 38.419 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF111439.D
 Acq: 15 Dec 2018 00:40

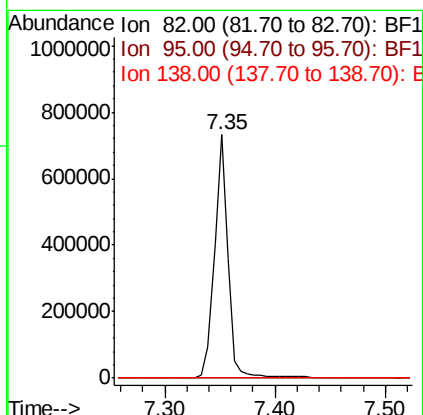
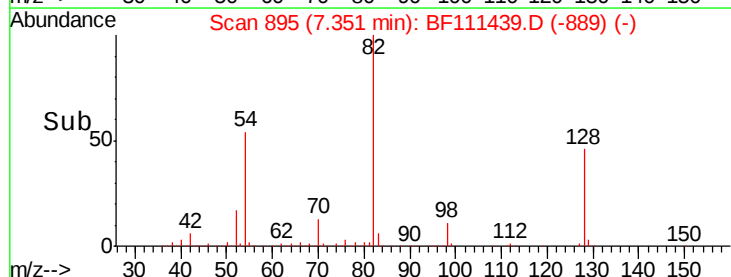
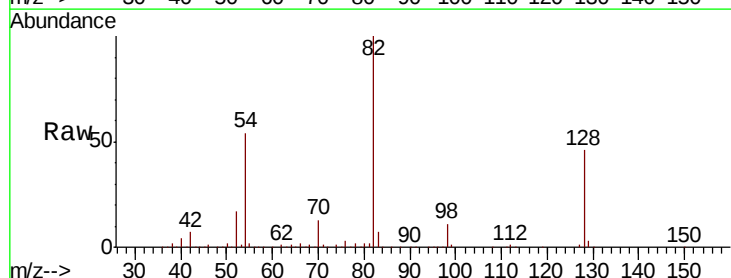
Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-029-A

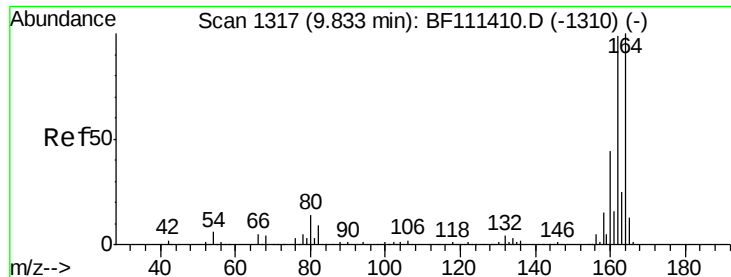
Tgt Ion: 82 Resp: 618384
 Ion Ratio Lower Upper
 82 100
 128 45.7 37.4 56.2
 54 54.3 47.6 71.4



#25
 Isophorone
 Concen: 22.570 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.26 min
 Lab File: BF111439.D
 Acq: 15 Dec 2018 00:40

Tgt Ion: 82 Resp: 614679
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.4 8.2#
 138 0.0 15.1 22.7#

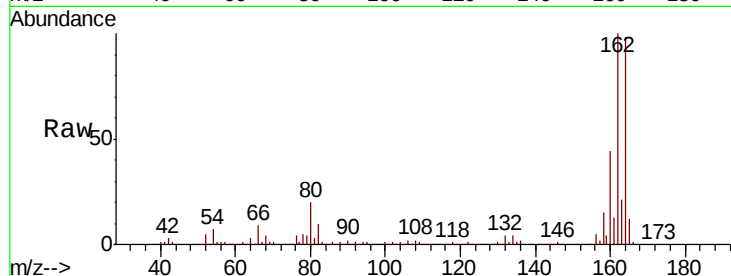




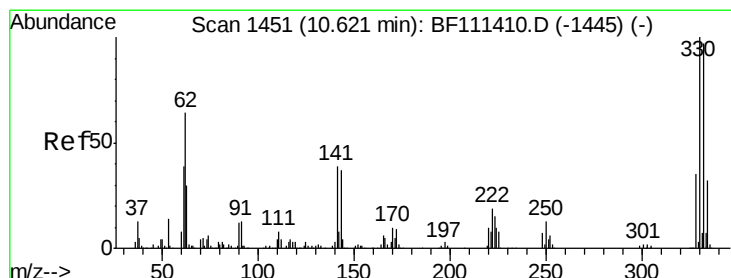
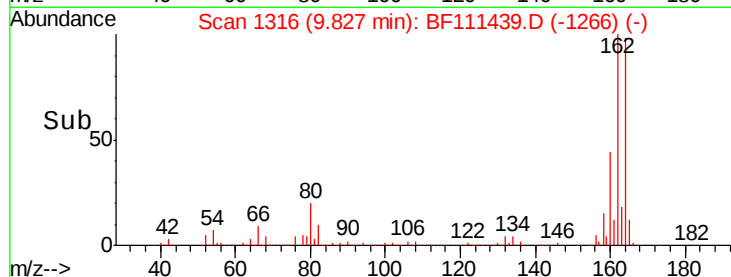
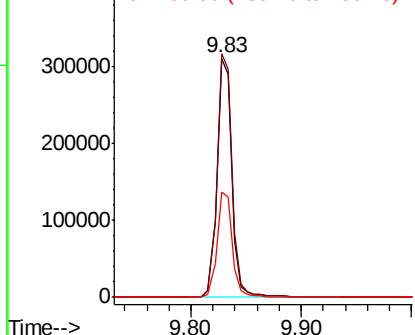
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-029-A

Tgt Ion:164 Resp: 291260
Ion Ratio Lower Upper
164 100
162 102.0 81.4 122.0
160 44.4 35.7 53.5

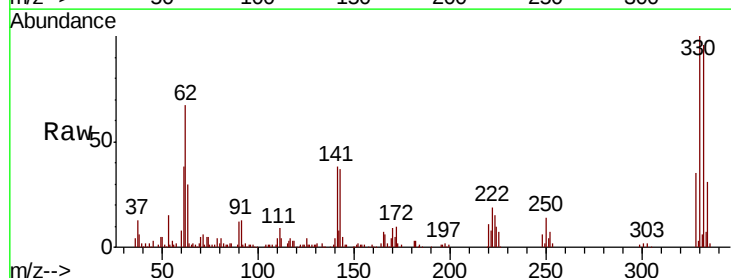


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

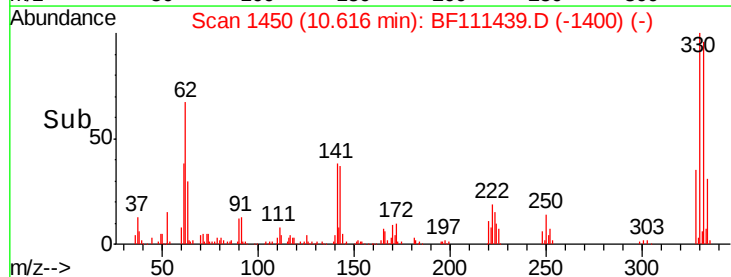
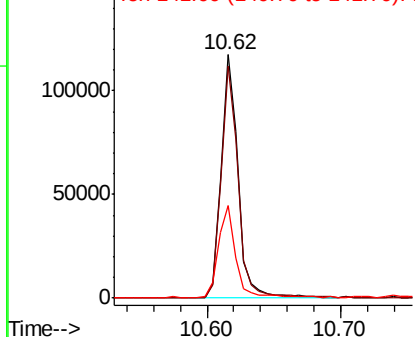


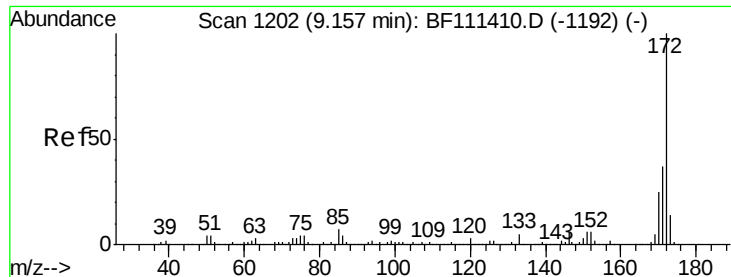
#42
2,4,6-Tribromophenol
Concen: 40.604 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

Tgt Ion:330 Resp: 105938
Ion Ratio Lower Upper
330 100
332 95.0 76.0 114.0
141 40.6 31.0 46.6



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

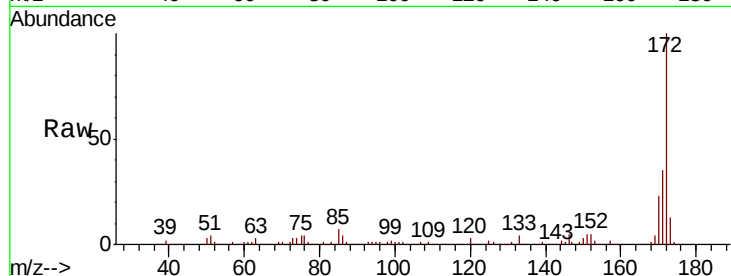




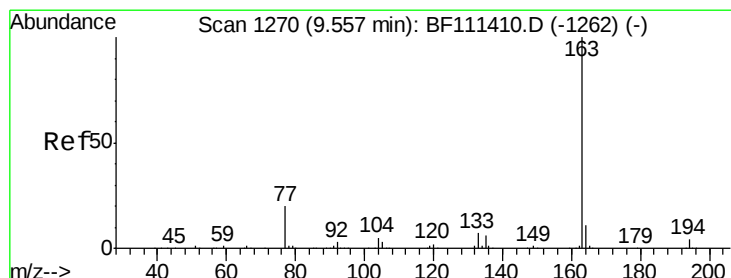
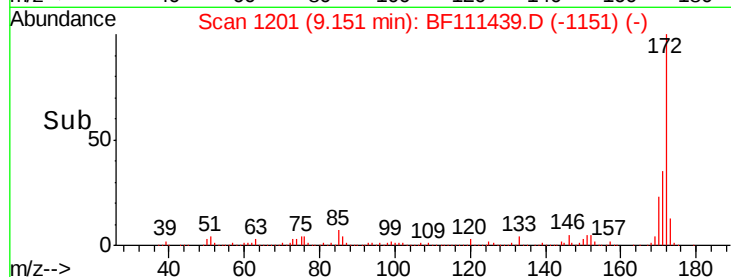
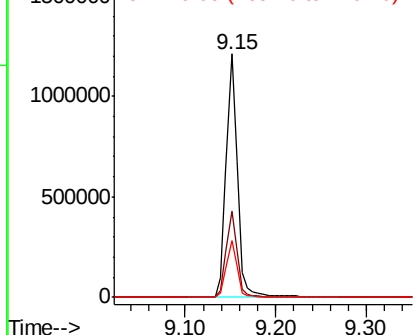
#45
2-Fluorobiphenyl
Concen: 54.623 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-029-A

Tgt Ion:172 Resp: 1029974
Ion Ratio Lower Upper
172 100
171 35.2 33.0 49.4
170 23.3 22.3 33.5

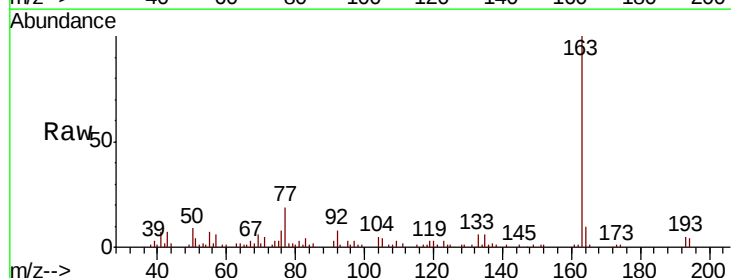


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

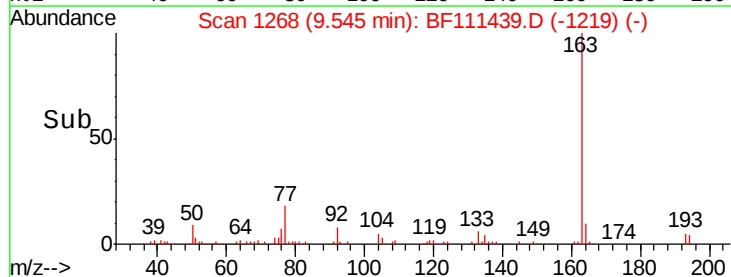
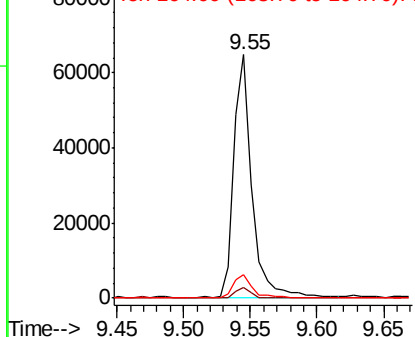


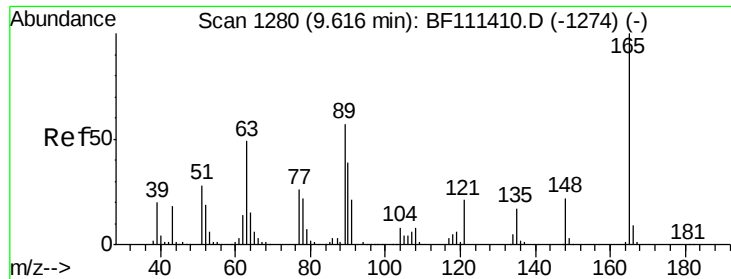
#50
Dimethylphthalate
Concen: 2.998 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

Tgt Ion:163 Resp: 62877
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 9.7 8.9 13.3



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





#51

2,6-Dinitrotoluene

Concen: 7.893 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF111439.D

Acq: 15 Dec 2018 00:40

Instrument :

BNA_G

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FK-GF-02-029-A

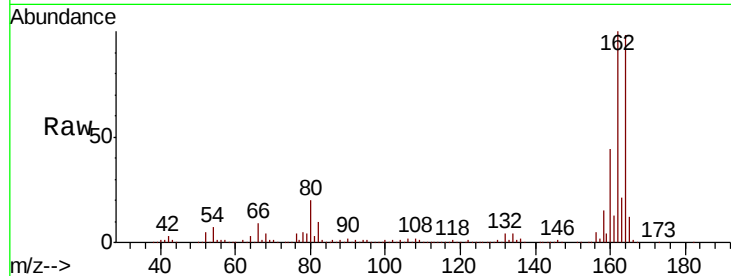
Tgt Ion:165 Resp: 37267

Ion Ratio Lower Upper

165 100

63 1.1 40.5 60.7#

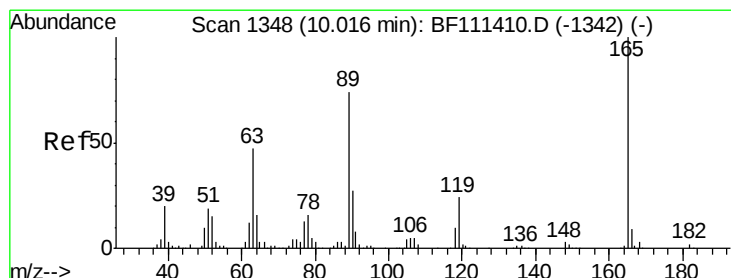
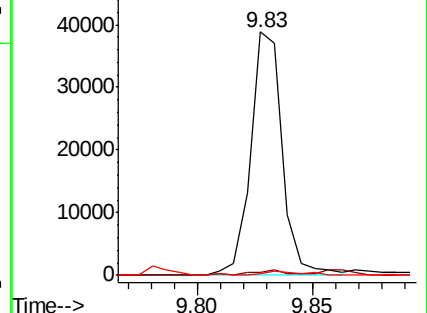
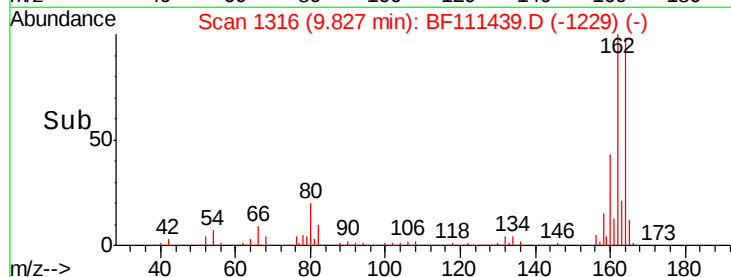
89 1.0 40.0 60.0#



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



#57

2,4-Dinitrotoluene

Concen: 6.014 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF111439.D

Acq: 15 Dec 2018 00:40

Tgt Ion:165 Resp: 37267

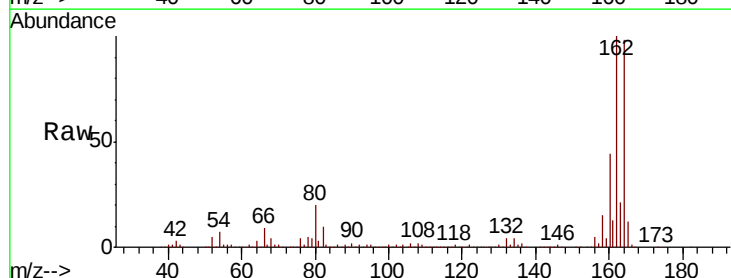
Ion Ratio Lower Upper

165 100

63 1.1 34.6 52.0#

89 1.0 56.2 84.4#

182 0.9 1.8 2.6#

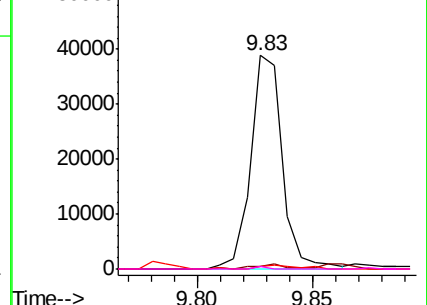
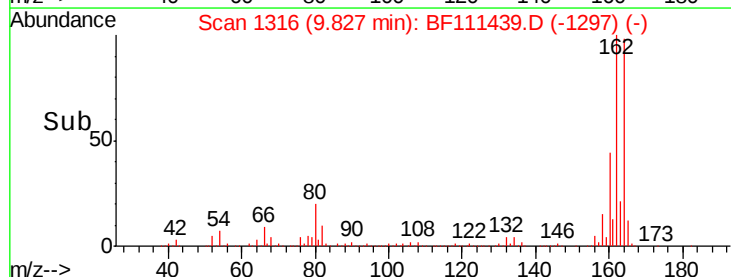


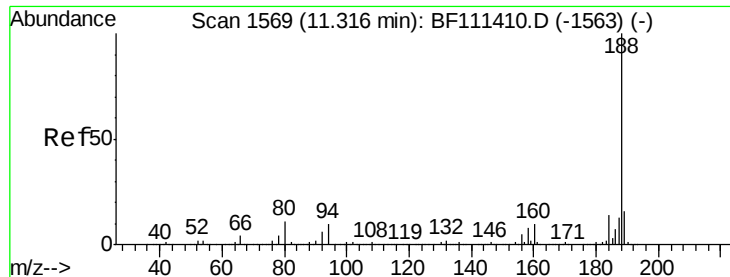
Abundance Ion 165.00 (164.70 to 165.70): E

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

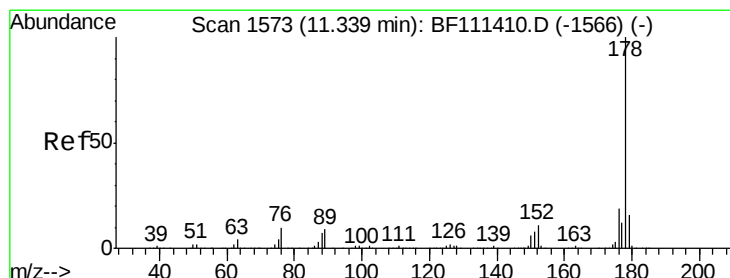
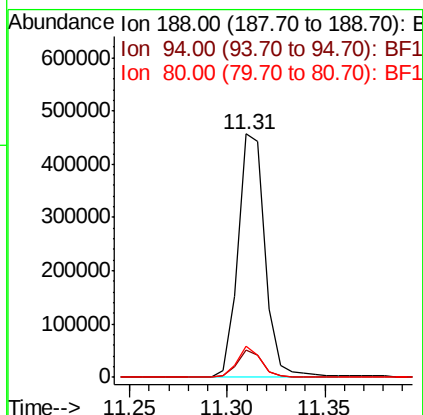
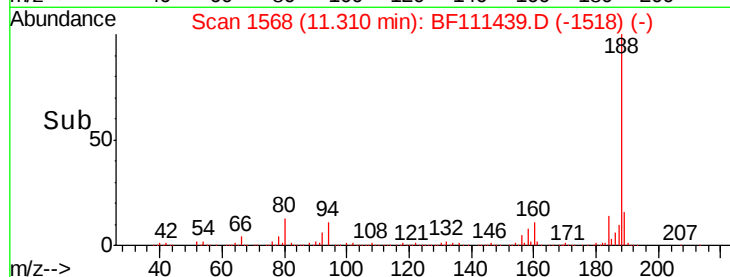
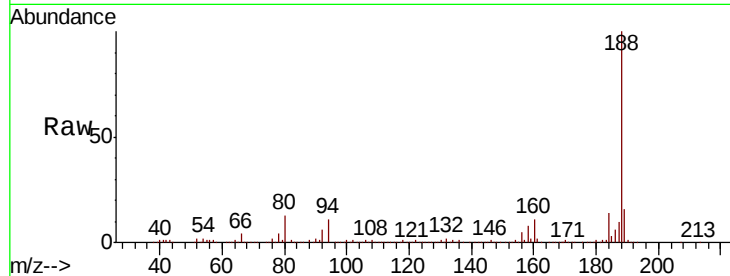




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

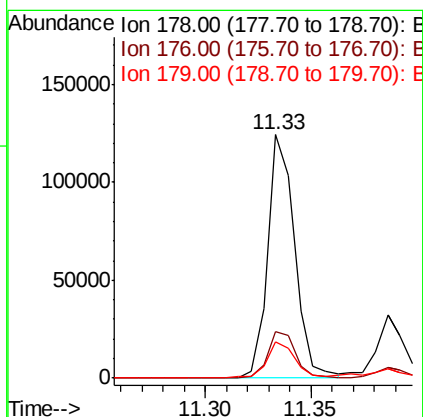
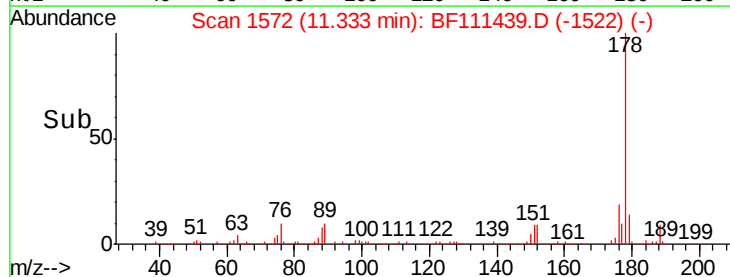
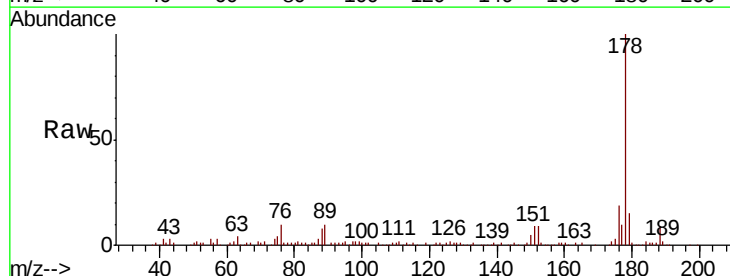
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-029-A

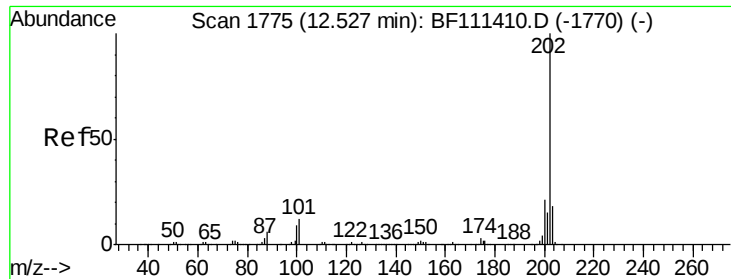
Tgt Ion:188 Resp: 439724
Ion Ratio Lower Upper
188 100
94 11.2 9.6 14.4
80 12.6 9.8 14.6



#71
Phenanthrene
Concen: 4.892 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

Tgt Ion:178 Resp: 110845
Ion Ratio Lower Upper
178 100
176 19.2 18.1 27.1
179 14.9 14.0 21.0





#75

Fluoranthene

Concen: 8.743 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111439.D

Acq: 15 Dec 2018 00:40

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-029-A

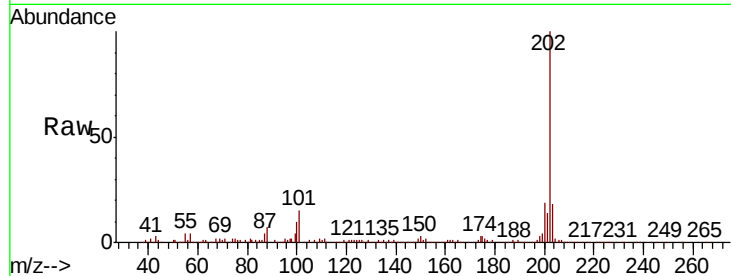
Tgt Ion:202 Resp: 193794

Ion Ratio Lower Upper

202 100

101 14.7 0.0 33.8

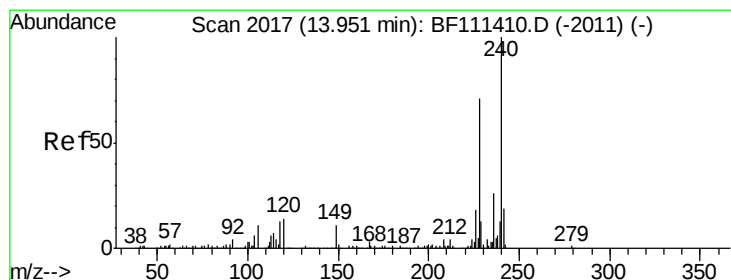
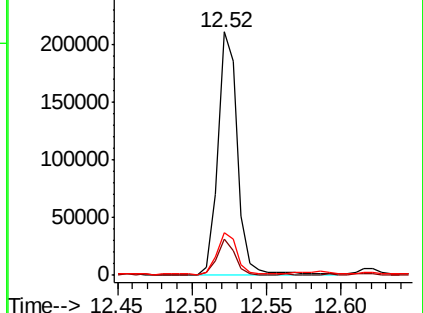
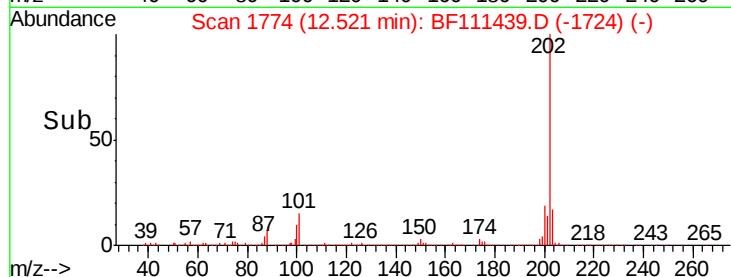
203 17.6 0.0 38.6



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: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF111439.D

Acq: 15 Dec 2018 00:40

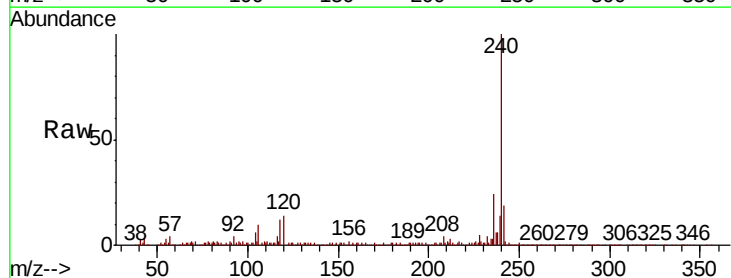
Tgt Ion:240 Resp: 451321

Ion Ratio Lower Upper

240 100

120 14.4 12.2 18.2

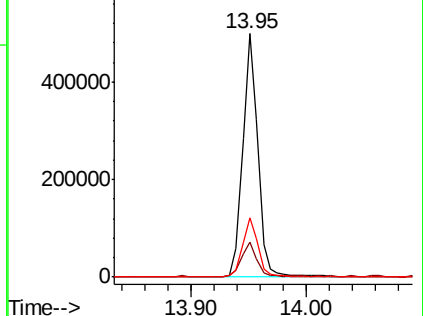
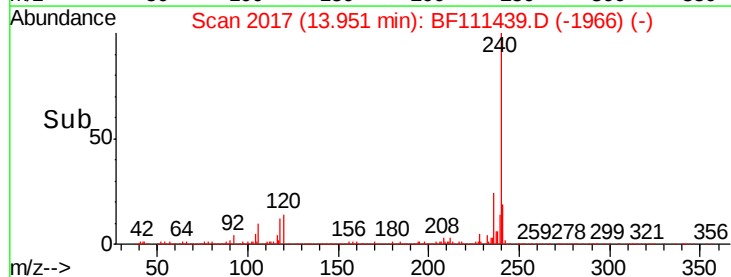
236 24.5 20.2 30.2

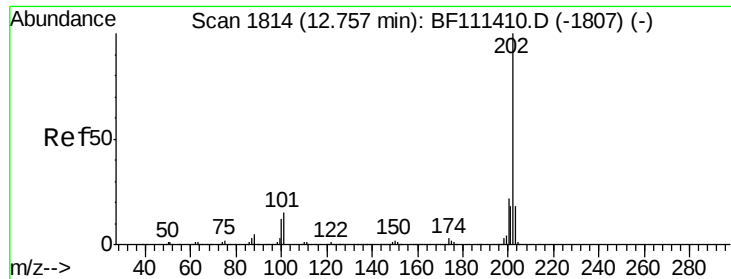


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

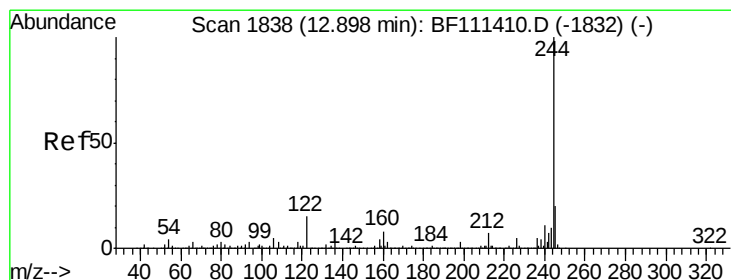
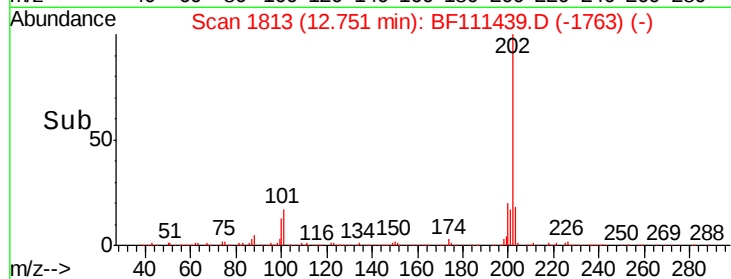
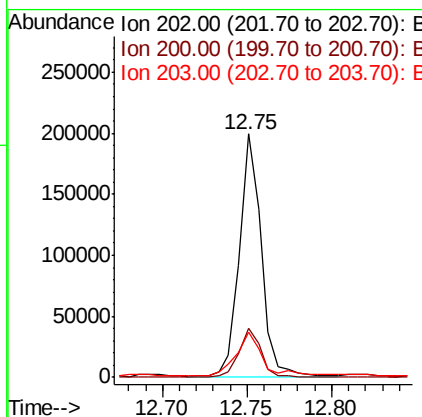
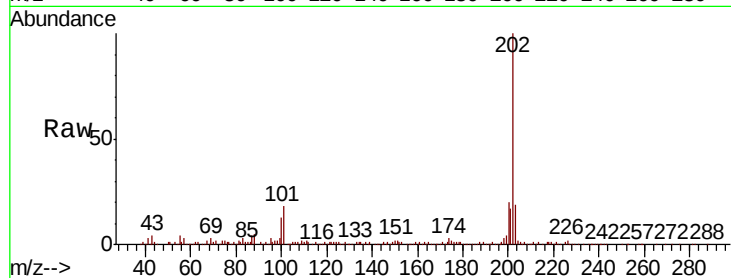




#78
Pyrene
Concen: 5.597 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

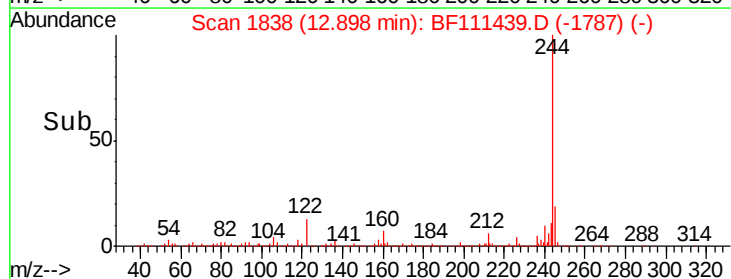
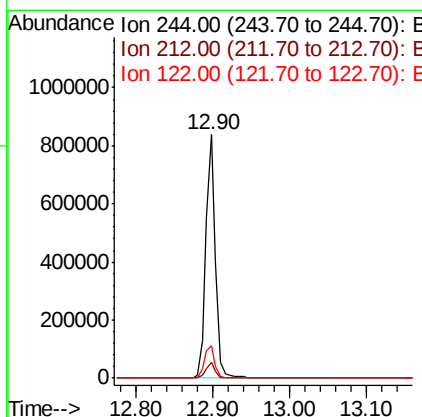
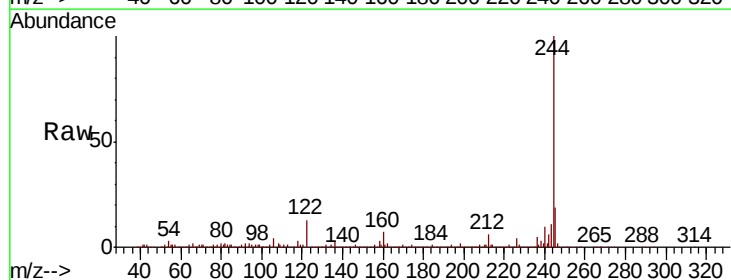
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-029-A

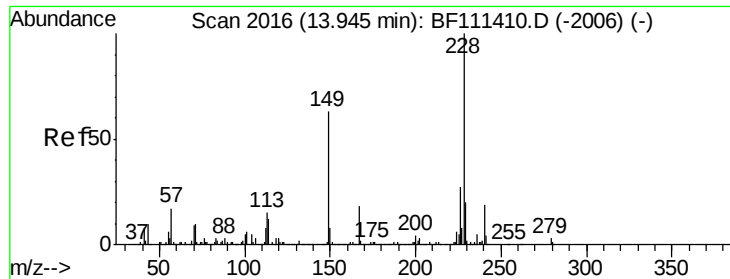
Tgt Ion:202 Resp: 178088
Ion Ratio Lower Upper
202 100
200 20.1 19.0 28.4
203 18.6 15.2 22.8



#79
Terphenyl-d14
Concen: 37.825 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

Tgt Ion:244 Resp: 726985
Ion Ratio Lower Upper
244 100
212 6.3 5.7 8.5
122 13.3 13.1 19.7

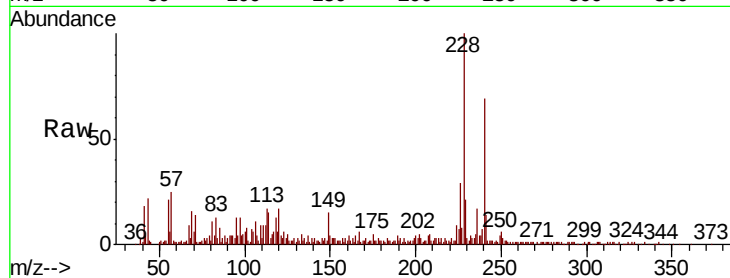




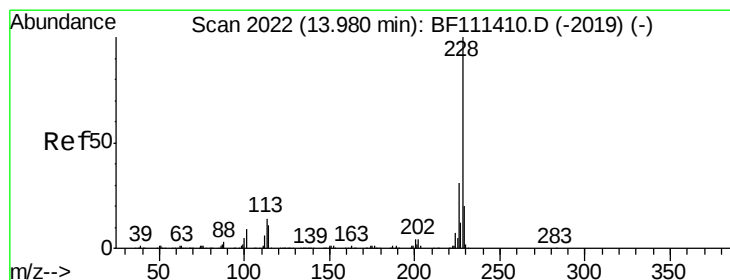
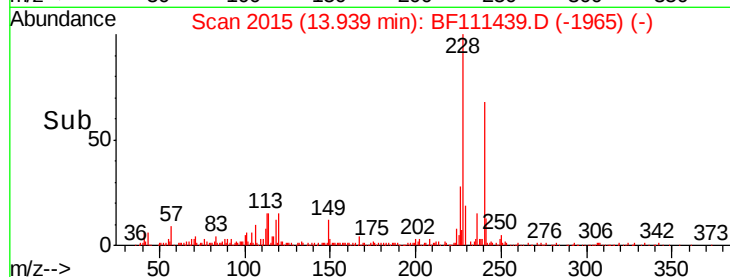
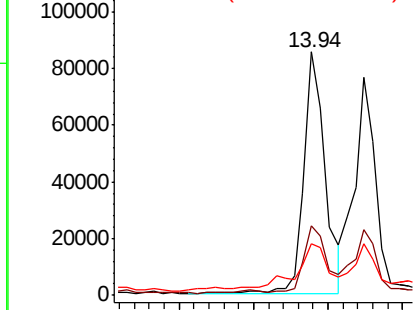
#81
Benzo(a)anthracene
Concen: 3.465 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-029-A

Tgt Ion:228 Resp: 85043
Ion Ratio Lower Upper
228 100
226 28.8 22.6 34.0
229 21.0 16.3 24.5

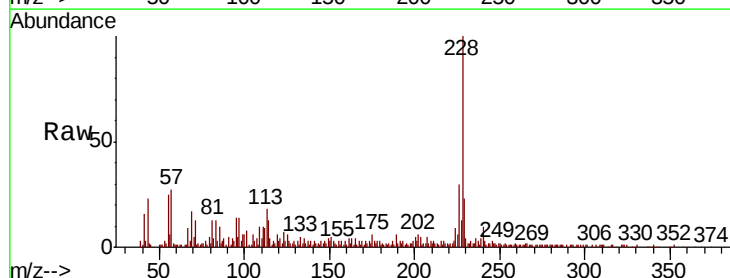


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

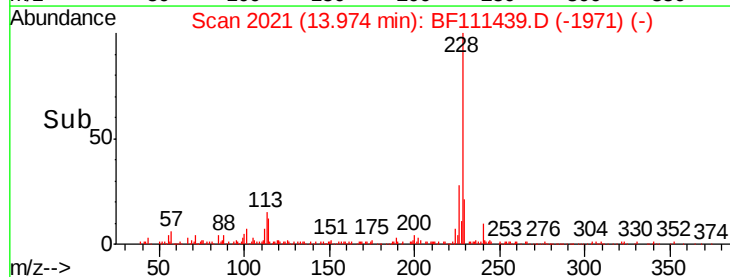
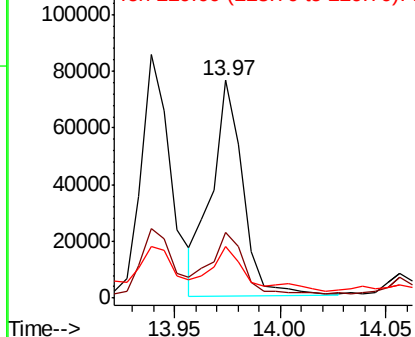


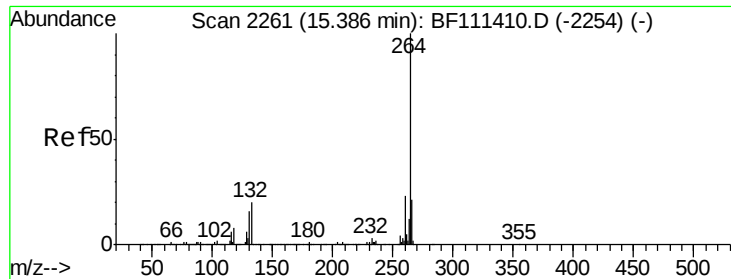
#83
Chrysene
Concen: 3.047 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

Tgt Ion:228 Resp: 78766
Ion Ratio Lower Upper
228 100
226 30.1 25.3 37.9
229 23.5 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



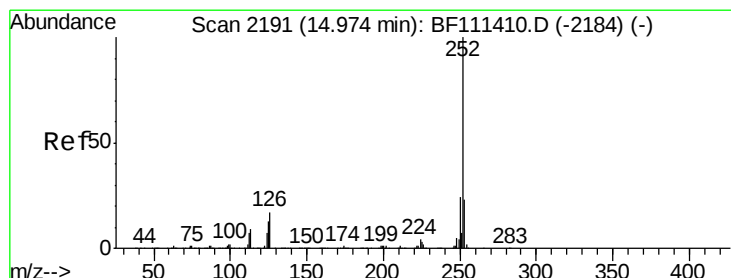
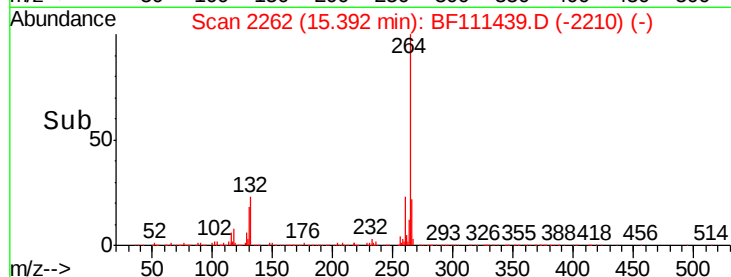
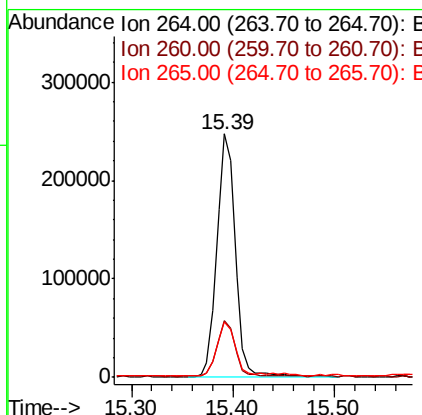
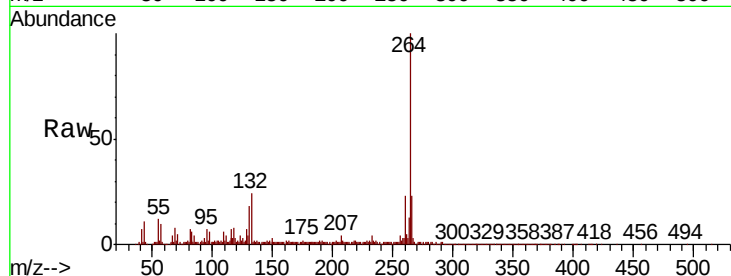


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-029-A

Tgt Ion: 264 Resp: 310692

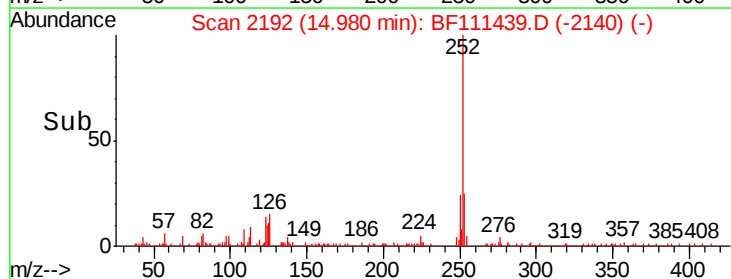
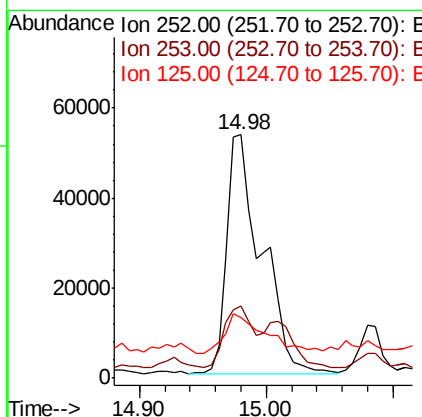
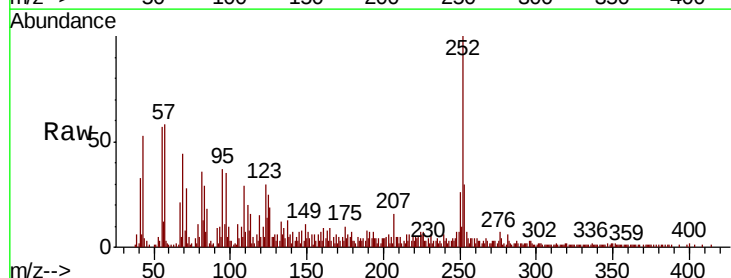
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	23.0	17.7	26.5

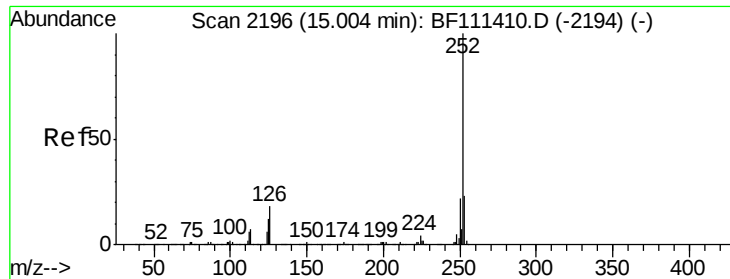


#88
Benzo(b)fluoranthene
Concen: 5.568 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111439.D
Acq: 15 Dec 2018 00:40

Tgt Ion: 252 Resp: 100862

Ion	Ratio	Lower	Upper
252	100		
253	29.8	18.2	27.2#
125	24.8	10.4	15.6#





#89

Benzo(k)fluoranthene

Concen: 5.827 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BF111439.D

Acq: 15 Dec 2018 00:40

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-029-A

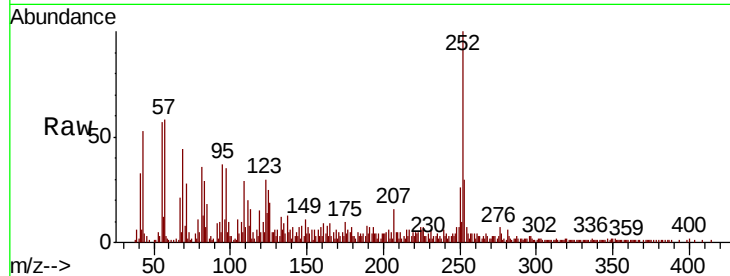
Tgt Ion:252 Resp: 100862

Ion Ratio Lower Upper

252 100

253 29.8 18.1 27.1#

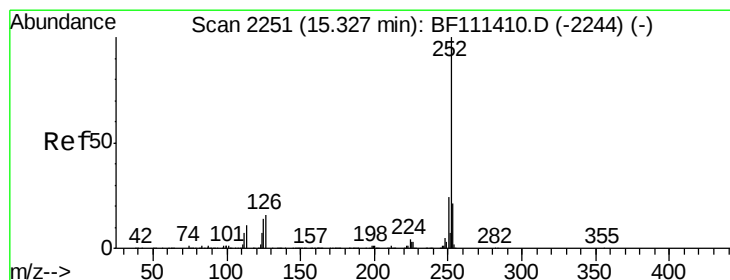
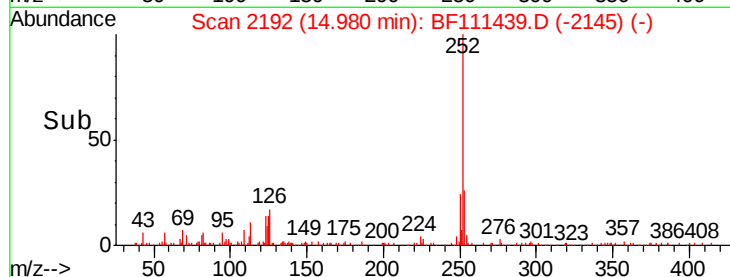
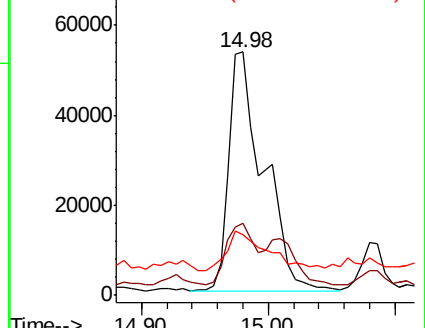
125 24.8 9.8 14.8#



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: 3.076 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BF111439.D

Acq: 15 Dec 2018 00:40

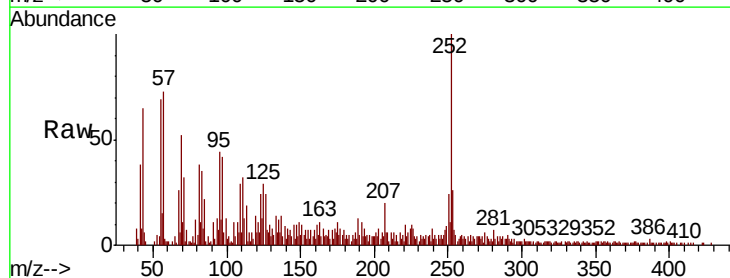
Tgt Ion:252 Resp: 50240

Ion Ratio Lower Upper

252 100

253 26.0 17.8 26.8

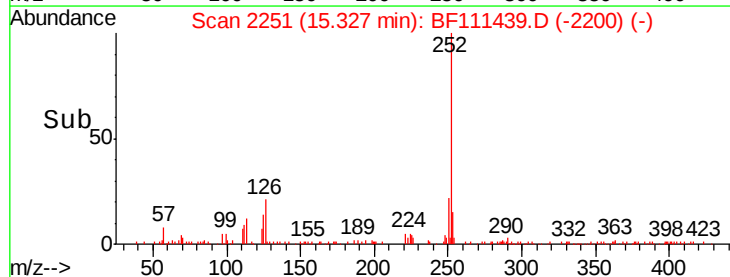
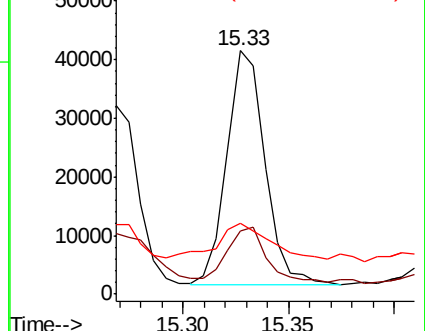
125 29.1 12.3 18.5#

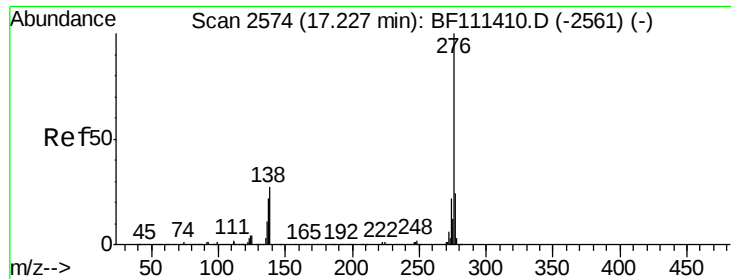


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.166 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BF111439.D

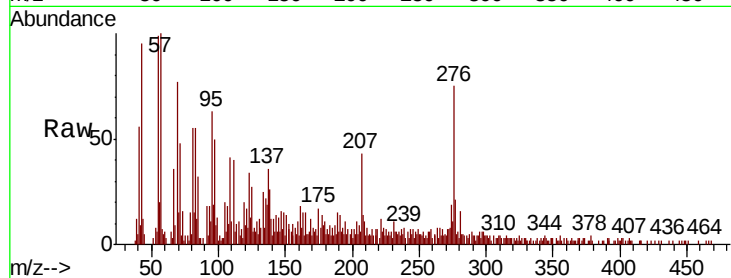
Acq: 15 Dec 2018 00:40

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-029-A



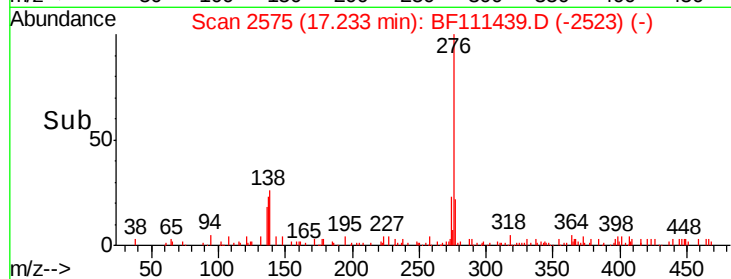
Tgt Ion:276 Resp: 27396

Ion Ratio Lower Upper

276 100

277 27.7 19.2 28.8

138 35.2 24.9 37.3



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

