

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060319\
 Data File : BG041049.D
 Acq On : 4 Jun 2019 00:29
 Operator : HP/JU
 Sample : K3052-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-SF-03-007-B

Quant Time: Jun 04 08:07:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	72278	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	273659	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	166338	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	375726	20.00	ng	0.00
76) Chrysene-d12	21.79	240	389920	20.00	ng	0.00
87) Perylene-d12	25.15	264	319834	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	85346	21.29	ng	0.00
7) Phenol-d6	7.27	99	239987	38.77	ng	0.00
23) Nitrobenzene-d5	9.30	82	181799	29.49	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	25755	10.43	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	360881	31.24	ng	-0.01
79) Terphenyl-d14	20.09	244	520628	28.34	ng	0.00

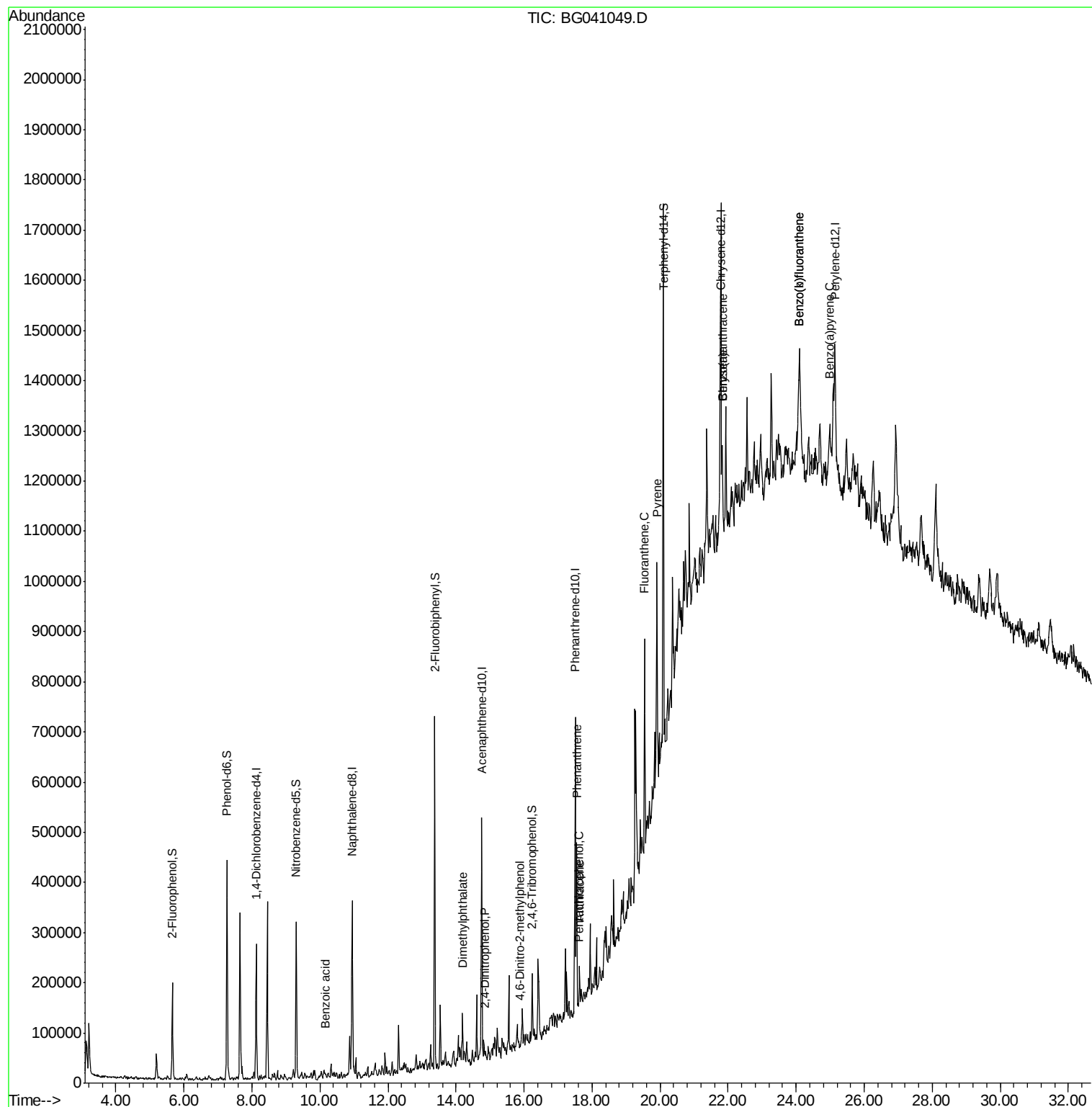
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	10.16	122	57	8.144	ng	# 1
50) Dimethylphthalate	14.20	163	29501	2.095	ng	96
54) 2,4-Dinitrophenol	14.84	184	56	8.295	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.88	198	56	8.612	ng	# 1
70) Pentachlorophenol	17.61	266	239	4.334	ng	96
71) Phenanthrene	17.54	178	205115	10.481	ng	99
72) Anthracene	17.63	178	48960	2.536	ng	94
75) Fluoranthene	19.54	202	278750	11.531	ng	98
78) Pyrene	19.91	202	262450	10.354	ng	97
81) Benzo(a)anthracene	21.83	228	144705	5.575	ng	92
83) Chrysene	21.83	228	144705	5.826	ng	# 93
88) Benzo(b)fluoranthene	24.08	252	127166	6.555	ng	# 45
89) Benzo(k)fluoranthene	24.08	252	127166	6.624	ng	# 44
90) Benzo(a)pyrene	24.98	252	91821	4.961	ng	# 65

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

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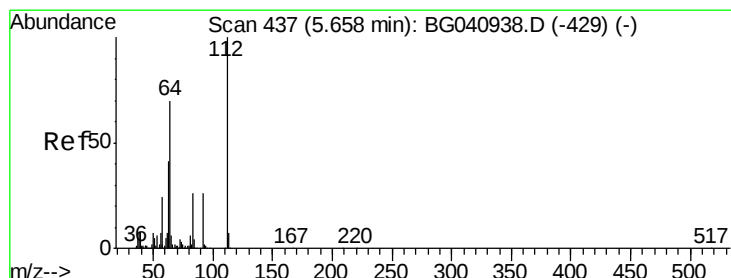
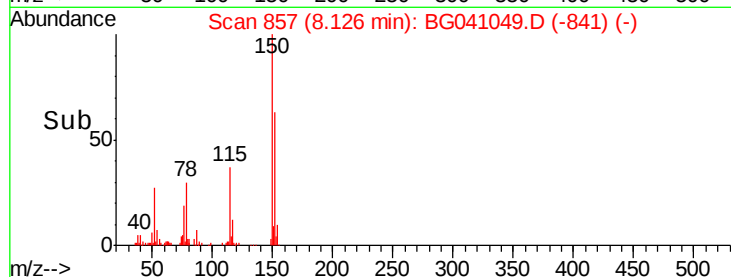
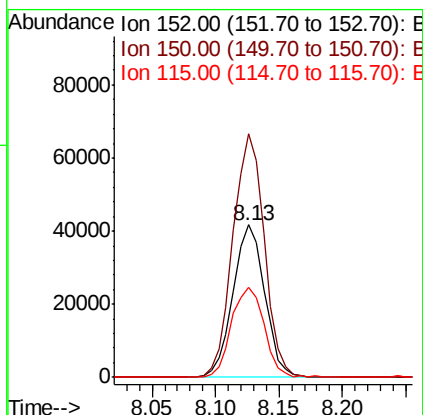
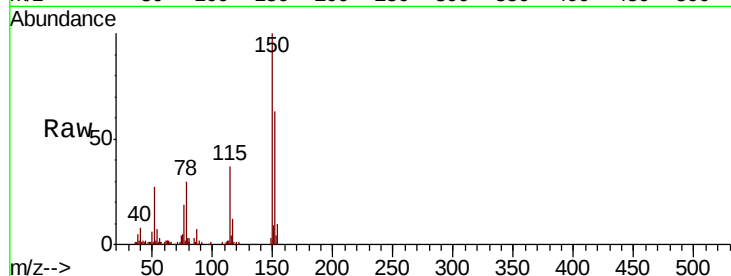


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG041049.D
Acq: 4 Jun 2019 00:29

Instrument :
BNA_G
ClientSampleId :
FK-SF-03-007-B

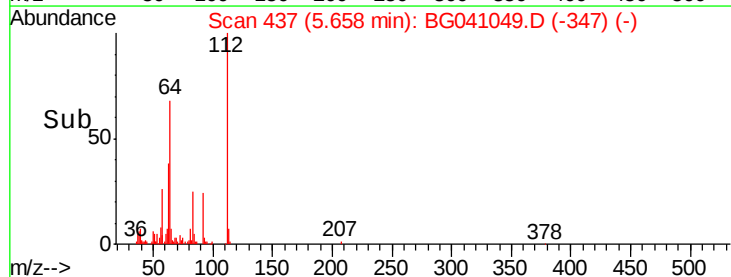
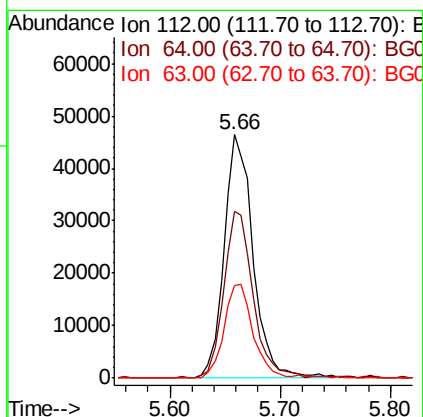
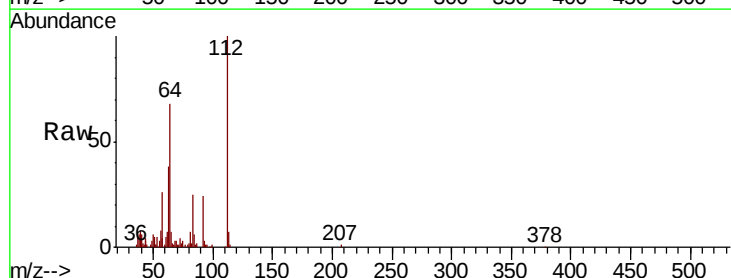
Tgt Ion:152 Resp: 72278
Ion Ratio Lower Upper
152 100
150 159.8 120.6 180.8
115 59.4 45.1 67.7

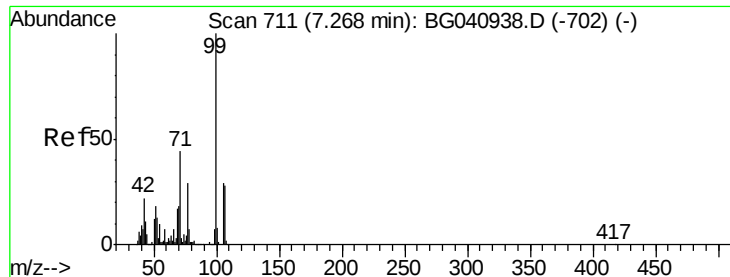


#5

2-Fluorophenol
Concen: 21.292 ng
RT: 5.66 min Scan# 437
Delta R.T. 0.00 min
Lab File: BG041049.D
Acq: 4 Jun 2019 00:29

Tgt Ion:112 Resp: 85346
Ion Ratio Lower Upper
112 100
64 68.4 56.2 84.2
63 37.9 32.8 49.2





#7

Phenol-d6

Concen: 38.768 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-007-B

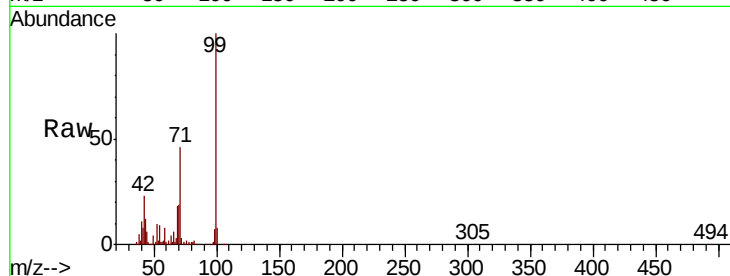
Tgt Ion: 99 Resp: 239987

Ion Ratio Lower Upper

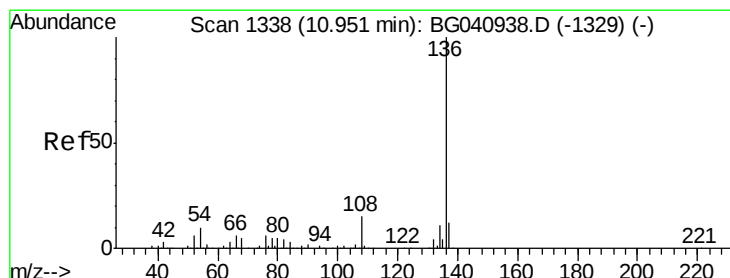
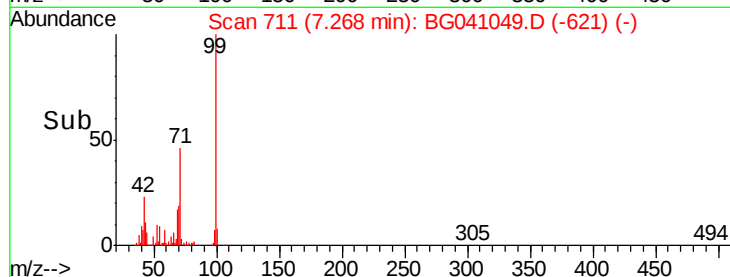
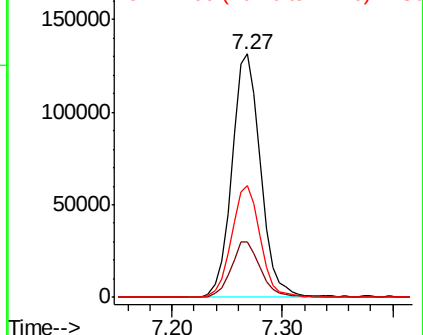
99 100

42 22.7 17.9 26.9

71 45.8 35.4 53.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

Tgt Ion: 136 Resp: 273659

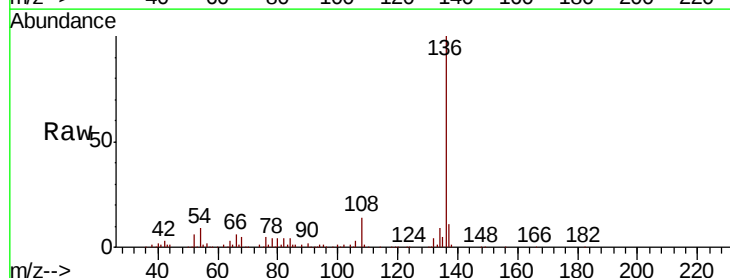
Ion Ratio Lower Upper

136 100

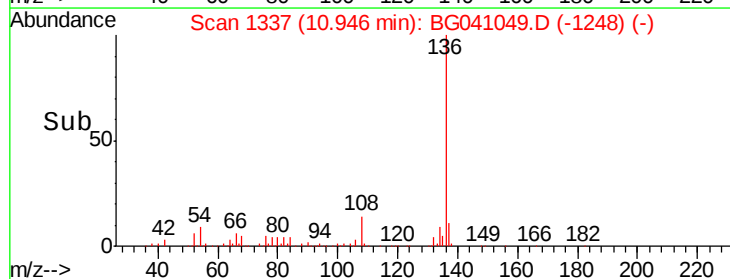
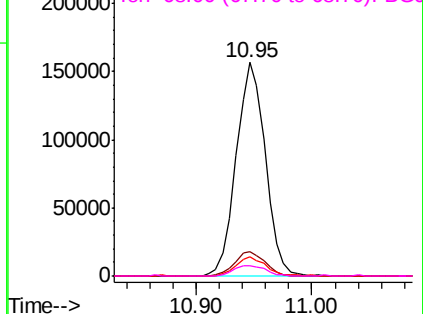
137 11.2 9.5 14.3

54 9.0 7.6 11.4

68 4.7 3.9 5.9



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

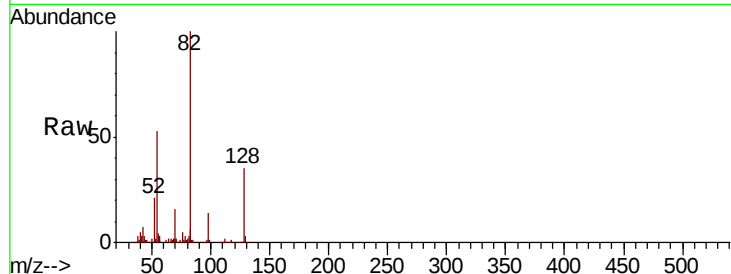




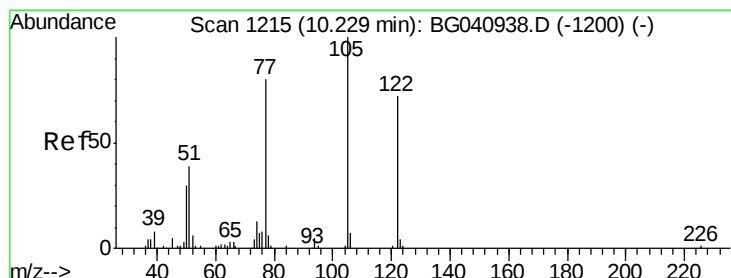
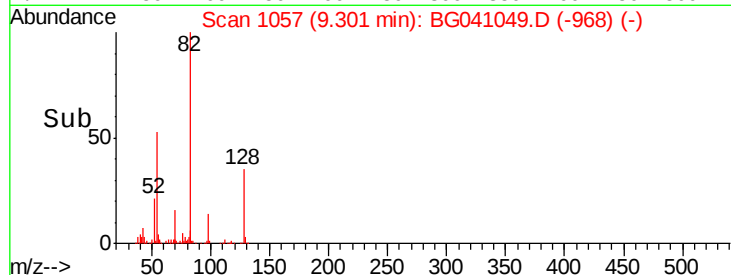
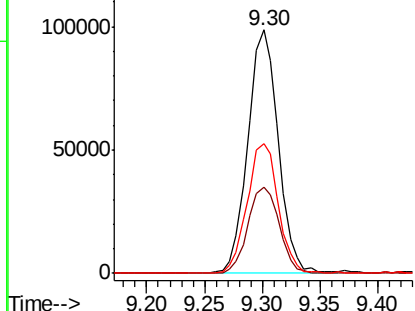
#23
 Nitrobenzene-d5
 Concen: 29.492 ng
 RT: 9.30 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BG041049.D
 Acq: 4 Jun 2019 00:29

Instrument :
 BNA_G
 ClientSampleId :
 FK-SF-03-007-B

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.4	30.5	45.7
54	53.5	44.6	66.8

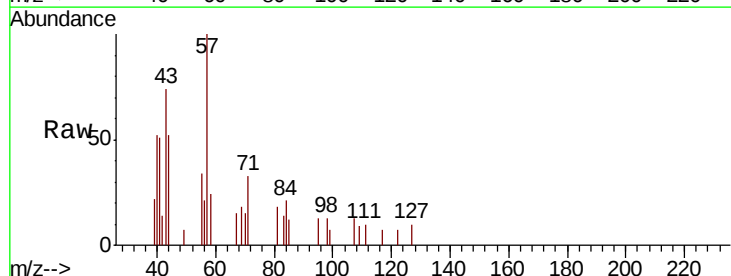


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

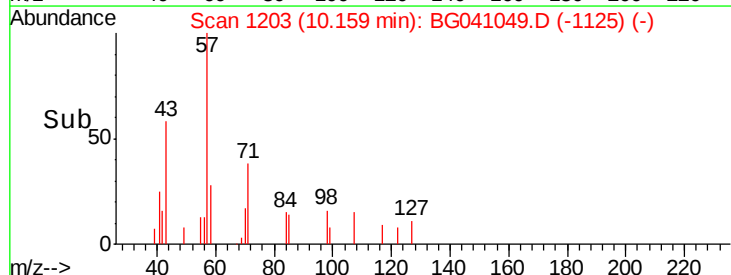
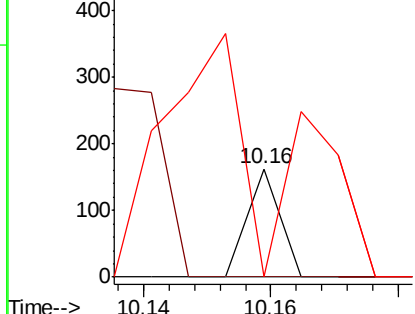


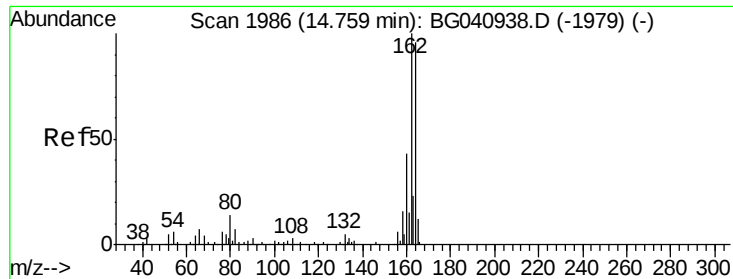
#32
 Benzoic acid
 Concen: 8.144 ng
 RT: 10.16 min Scan# 1203
 Delta R.T. -0.07 min
 Lab File: BG041049.D
 Acq: 4 Jun 2019 00:29

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-007-B

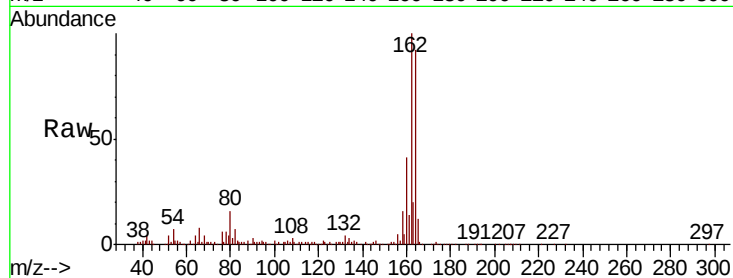
Tgt Ion:164 Resp: 166338

Ion Ratio Lower Upper

164 100

162 108.4 83.0 124.4

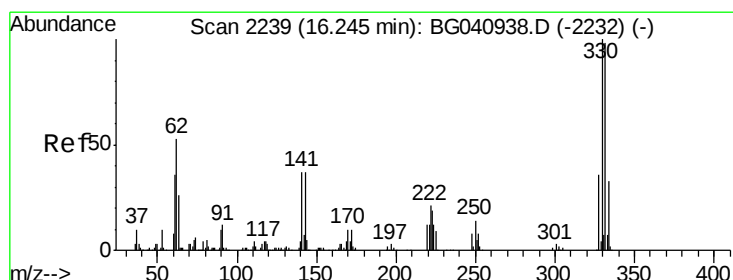
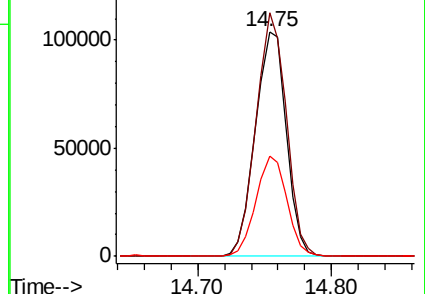
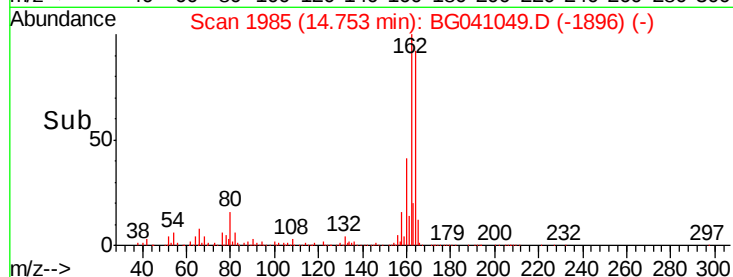
160 44.7 35.6 53.4



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: 10.430 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

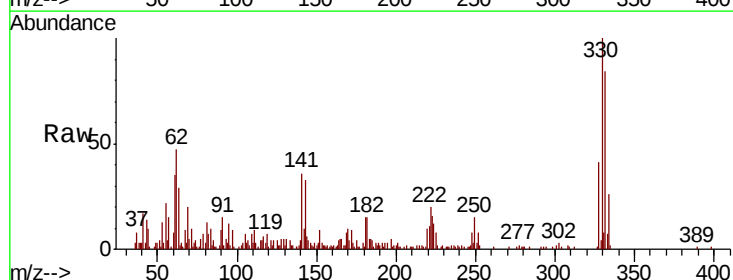
Tgt Ion:330 Resp: 25755

Ion Ratio Lower Upper

330 100

332 89.6 78.5 117.7

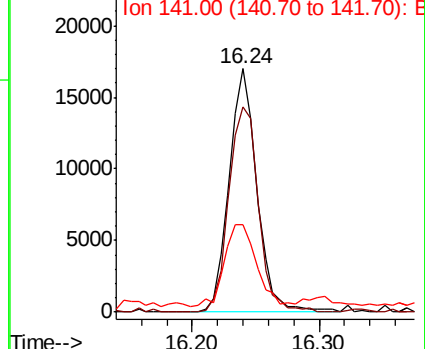
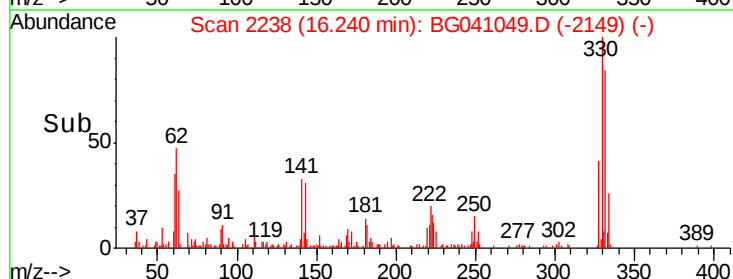
141 38.5 28.7 43.1

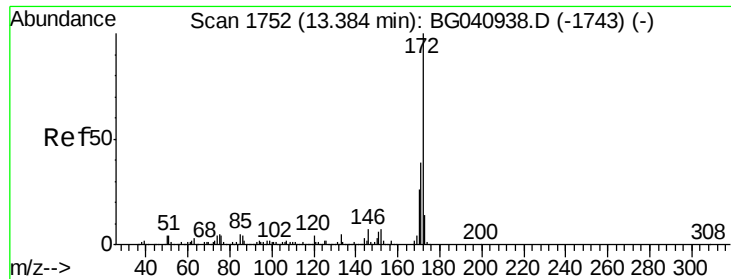


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

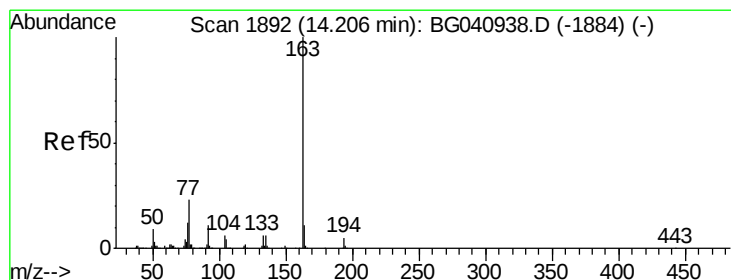
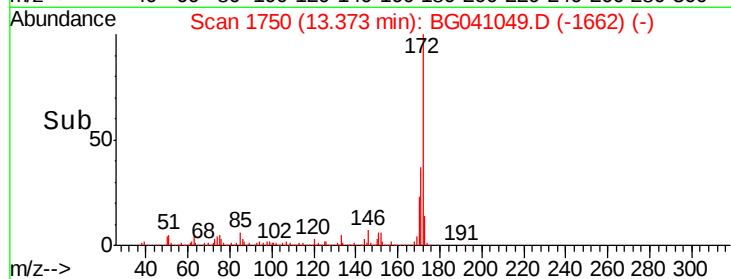
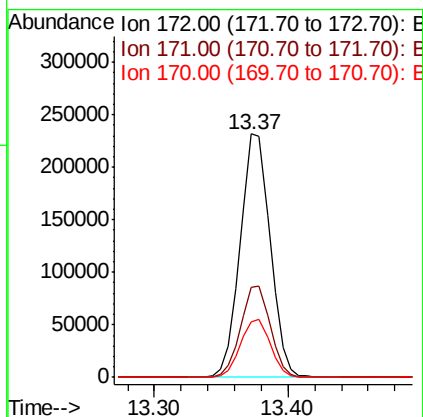
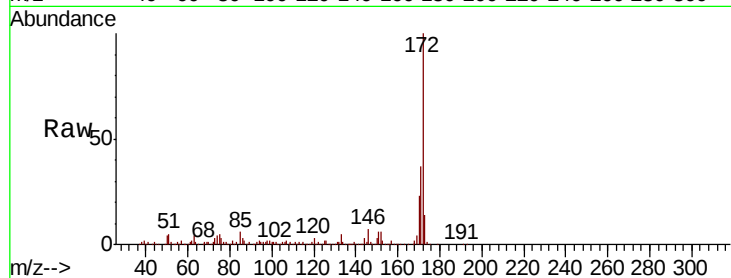




#45
2-Fluorobiphenyl
Concen: 31.244 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG041049.D
Acq: 4 Jun 2019 00:29

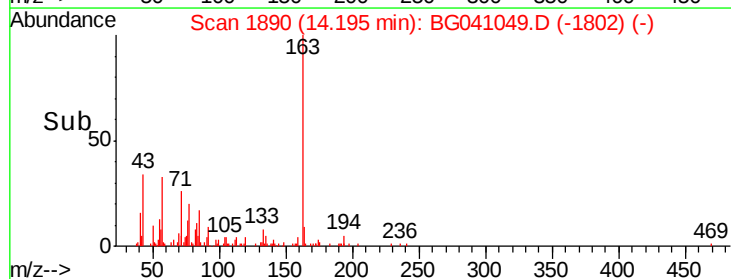
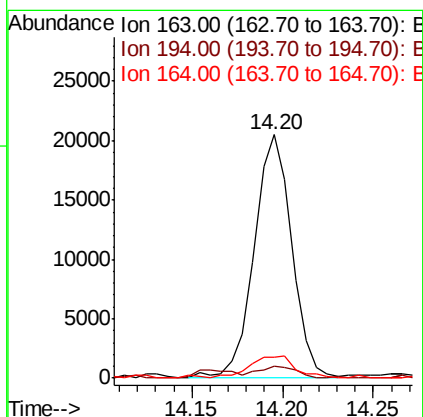
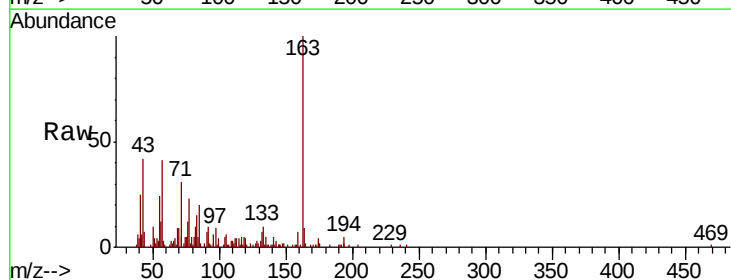
Instrument :
BNA_G
ClientSampleId :
FK-SF-03-007-B

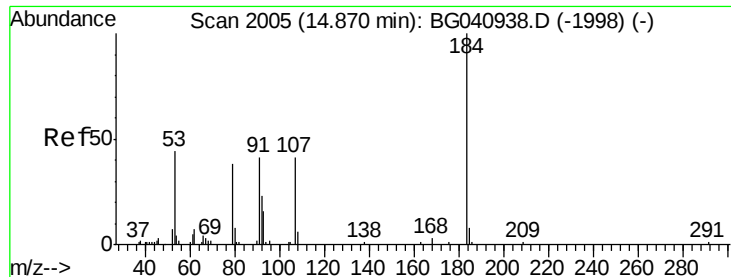
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.1	46.7
170	23.0	20.5	30.7



#50
Dimethylphthalate
Concen: 2.095 ng
RT: 14.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG041049.D
Acq: 4 Jun 2019 00:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.8	5.8
164	8.8	8.7	13.1





#54

2,4-Dinitrophenol

Concen: 8.295 ng

RT: 14.84 min Scan# 2000

Delta R.T. -0.03 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-007-B

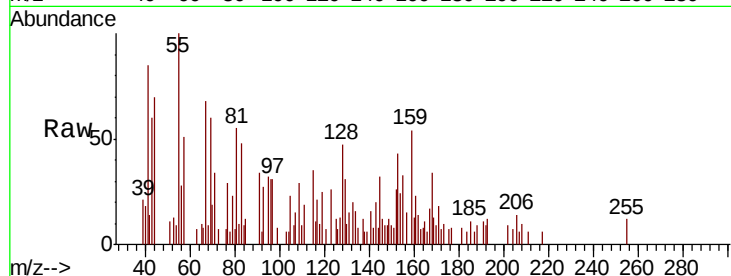
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 118.1 49.8 74.6#

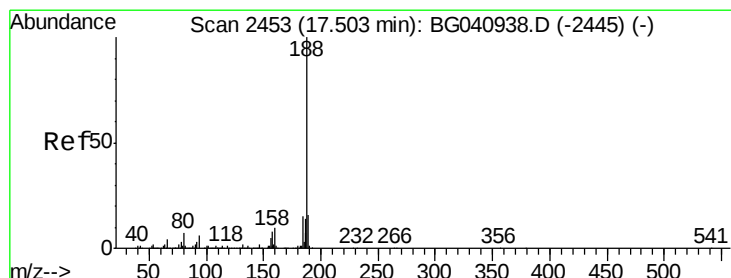
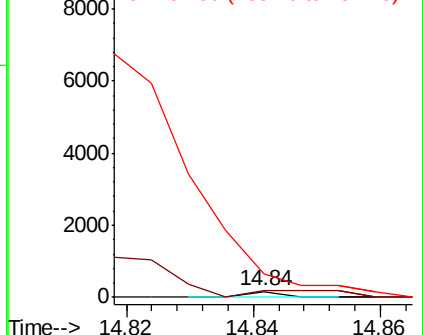
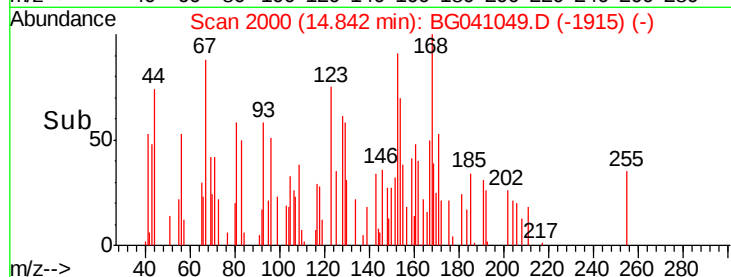
154 404.4 52.2 78.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG041049.D (-1915) (-)

Ion 154.00 (153.70 to 154.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

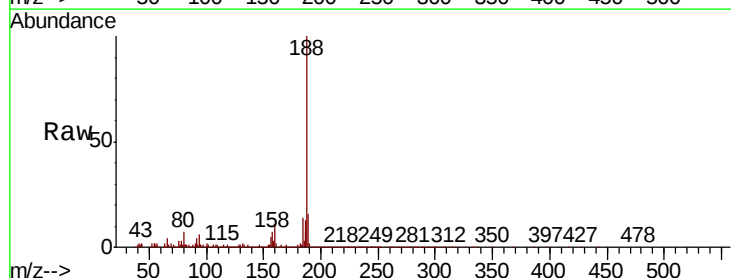
Tgt Ion:188 Resp: 375726

Ion Ratio Lower Upper

188 100

94 7.3 4.7 7.1#

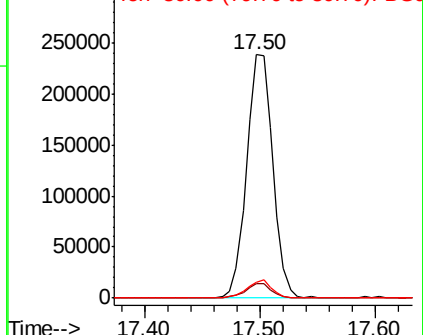
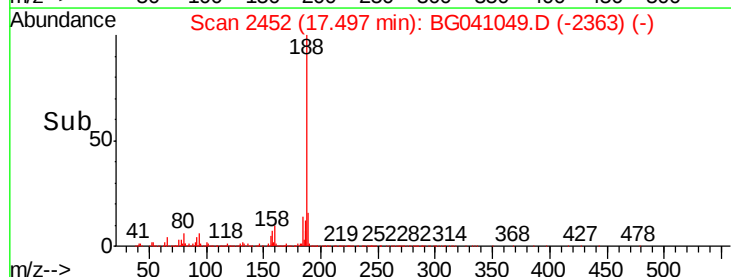
80 6.7 5.8 8.8

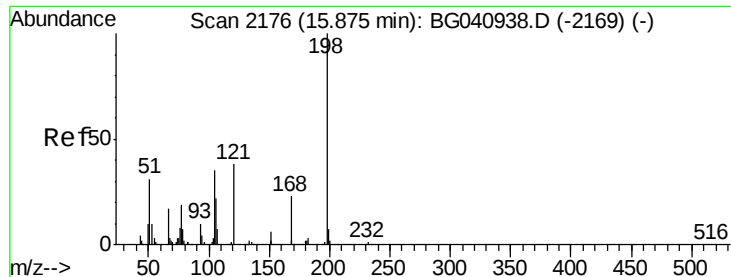


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG041049.D (-2363) (-)

Ion 80.00 (79.70 to 80.70): BG041049.D (-2363) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 8.612 ng

RT: 15.88 min Scan# 2177

Delta R.T. 0.01 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-007-B

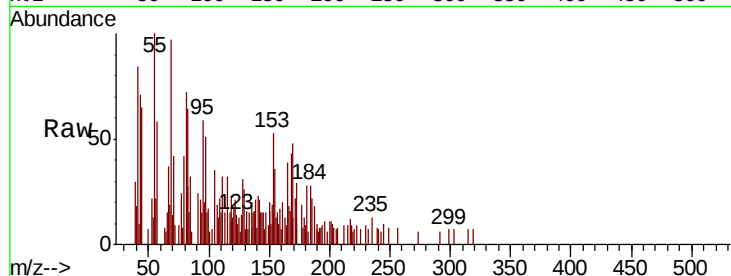
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

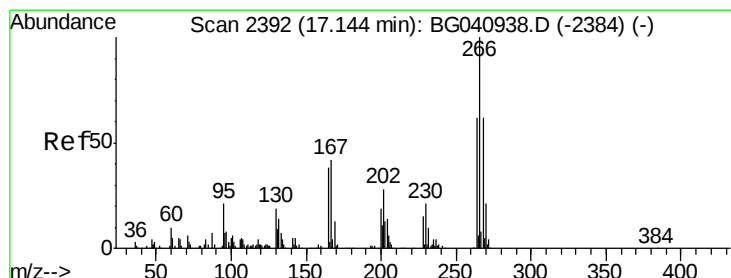
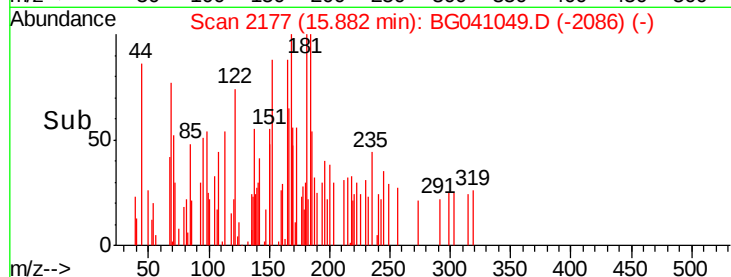
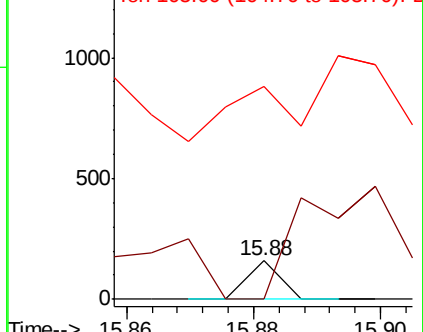
105 552.8 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG041049.D (-2169) (-)

Ion 105.00 (104.70 to 105.70): E



#70

Pentachlorophenol

Concen: 4.334 ng

RT: 17.61 min Scan# 2472

Delta R.T. 0.47 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

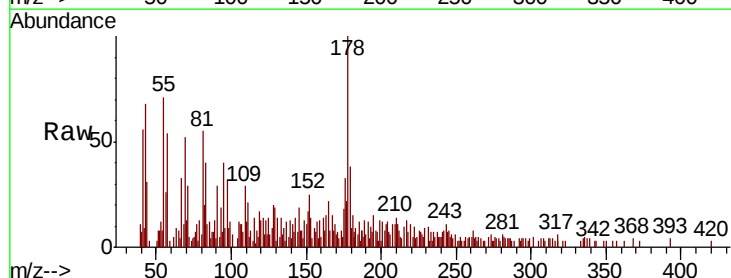
Tgt Ion:266 Resp: 239

Ion Ratio Lower Upper

266 100

268 71.2 53.1 79.7

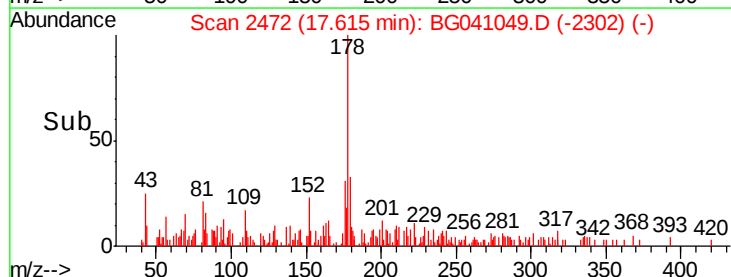
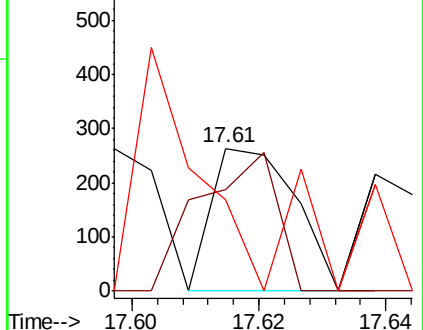
264 64.0 49.9 74.9

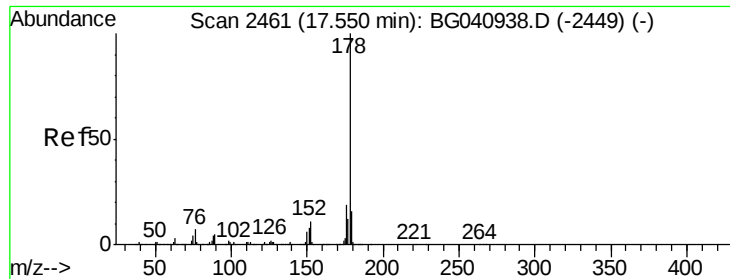


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 10.481 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-007-B

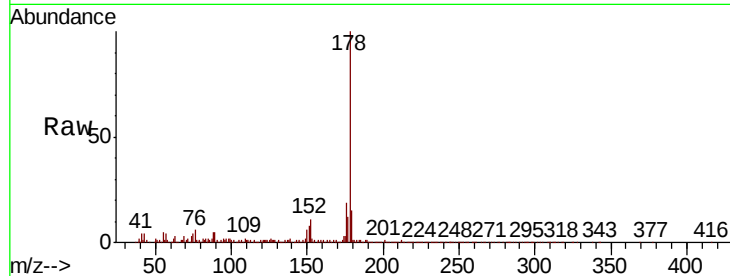
Tgt Ion:178 Resp: 205115

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

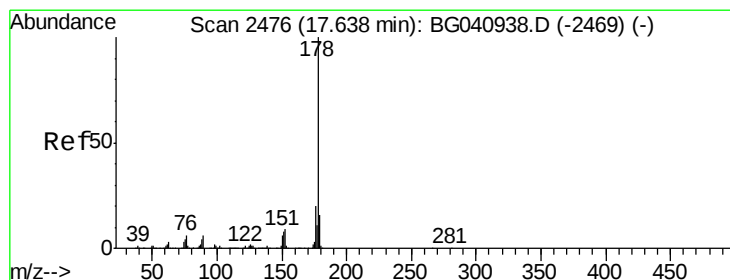
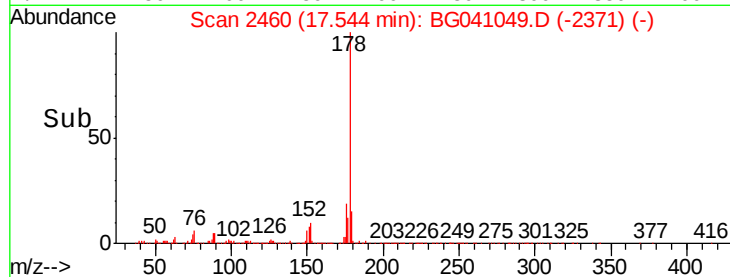
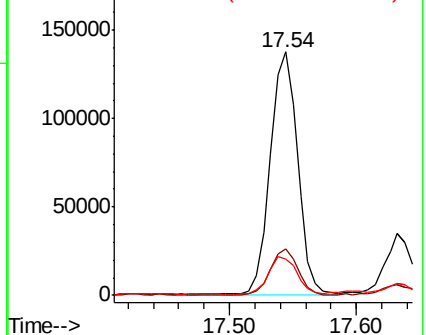
179 15.0 12.7 19.1



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: 2.536 ng

RT: 17.63 min Scan# 2475

Delta R.T. -0.01 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

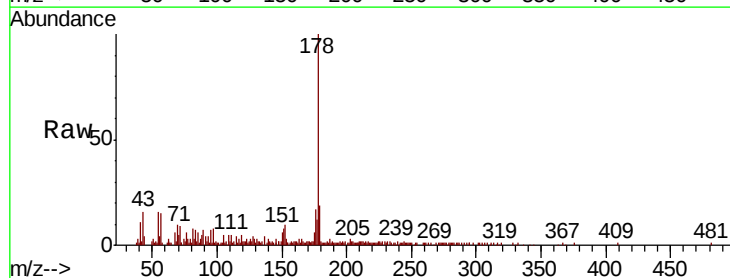
Tgt Ion:178 Resp: 48960

Ion Ratio Lower Upper

178 100

176 17.4 15.6 23.4

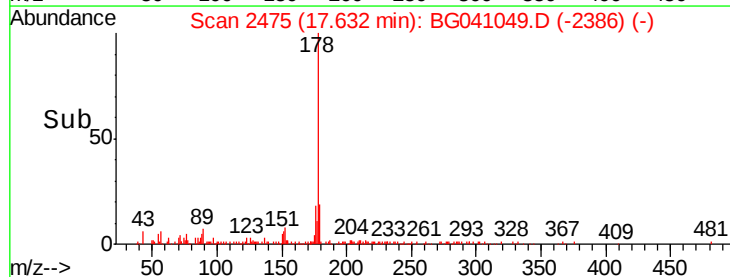
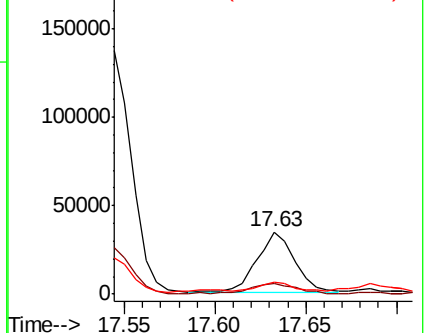
179 19.2 13.0 19.4

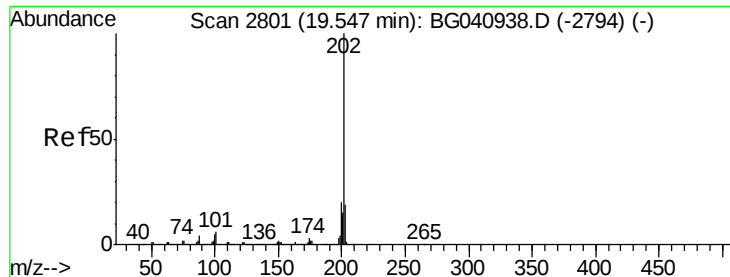


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 11.531 ng

RT: 19.54 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-007-B

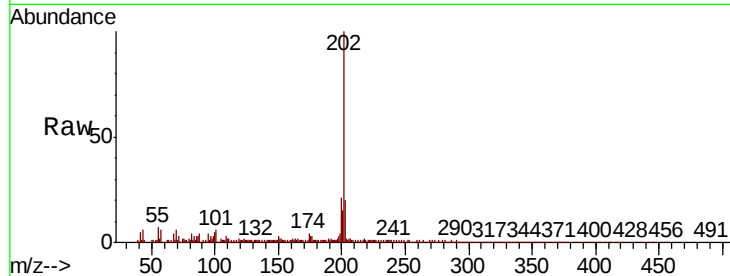
Tgt Ion:202 Resp: 278750

Ion Ratio Lower Upper

202 100

101 6.0 0.0 26.2

203 19.8 0.0 38.7

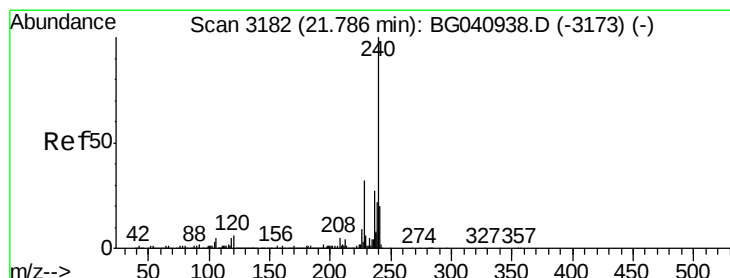
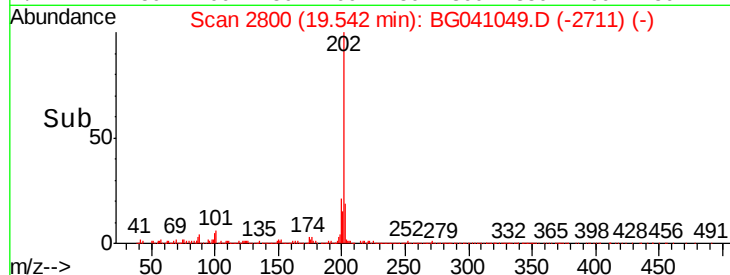
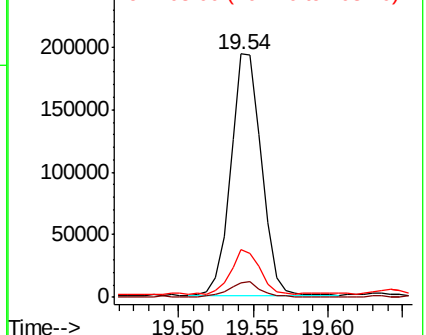


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3182

Delta R.T. 0.00 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

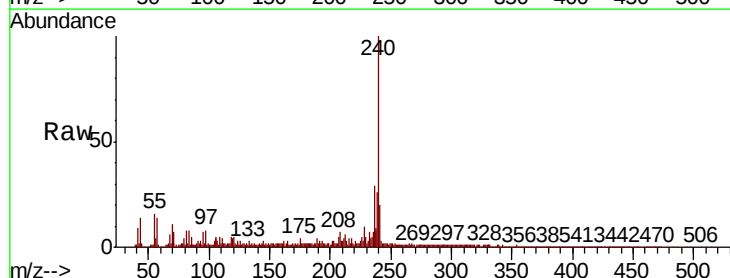
Tgt Ion:240 Resp: 389920

Ion Ratio Lower Upper

240 100

120 5.3 4.5 6.7

236 29.0 21.3 31.9

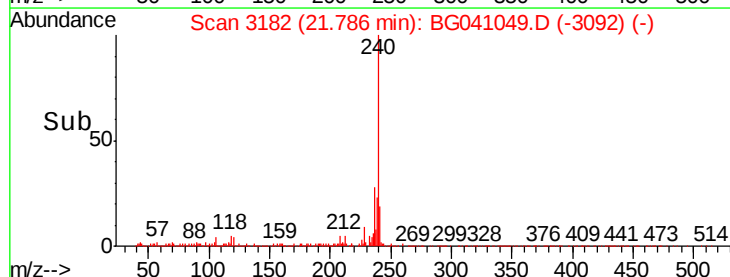
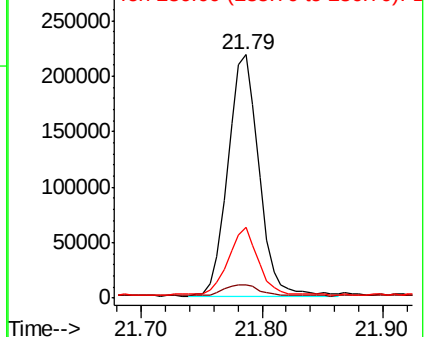


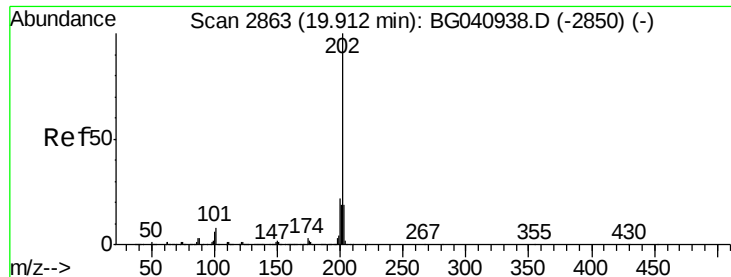
Abundance

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: 10.354 ng

RT: 19.91 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-007-B

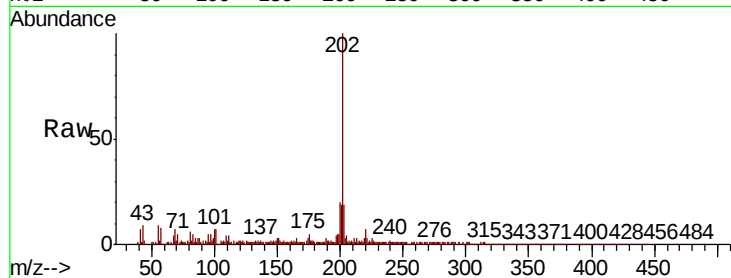
Tgt Ion:202 Resp: 262450

Ion Ratio Lower Upper

202 100

200 19.9 17.5 26.3

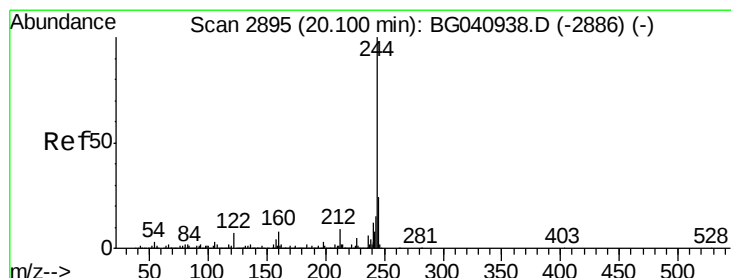
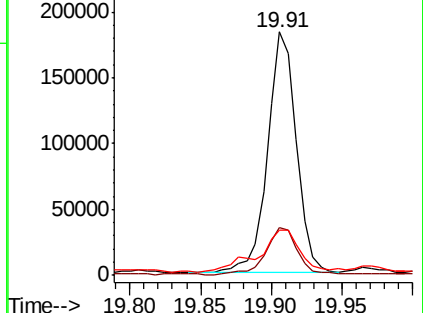
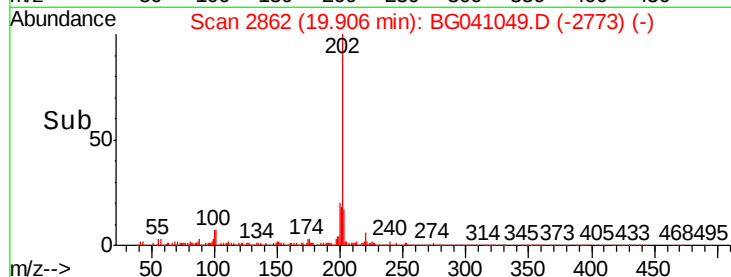
203 18.6 15.6 23.4



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: 28.338 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

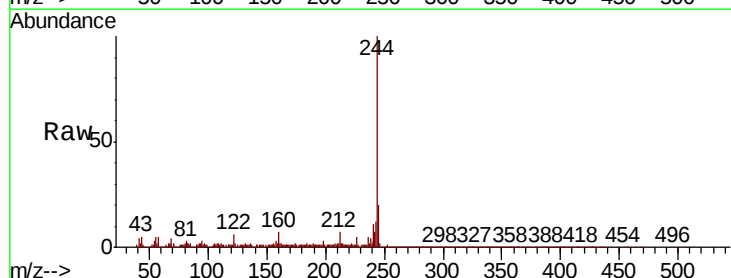
Tgt Ion:244 Resp: 520628

Ion Ratio Lower Upper

244 100

212 7.5 7.0 10.4

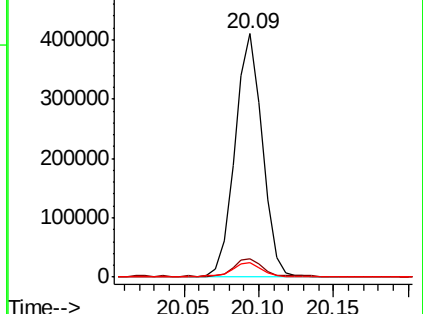
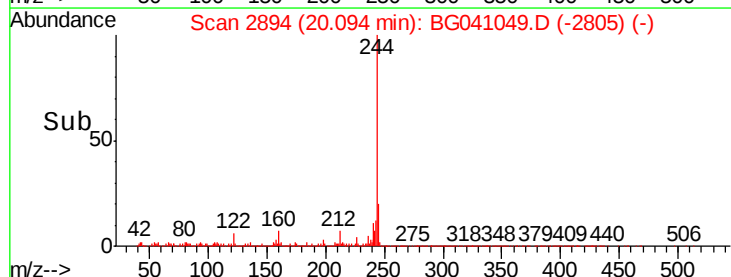
122 6.2 5.4 8.0

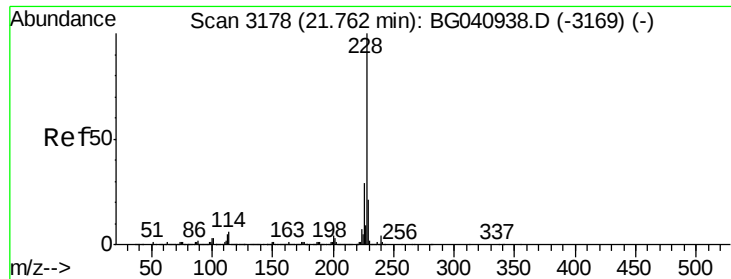


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 5.575 ng

RT: 21.83 min Scan# 3190

Delta R.T. 0.07 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-007-B

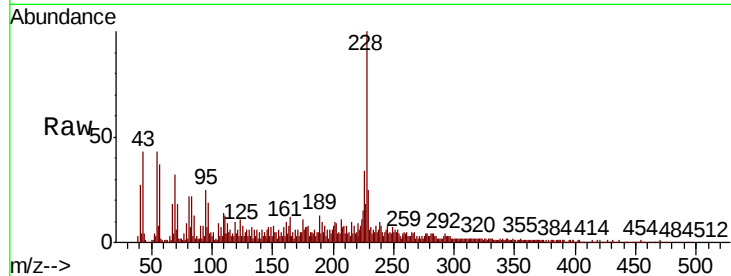
Tgt Ion:228 Resp: 144705

Ion Ratio Lower Upper

228 100

226 33.7 23.5 35.3

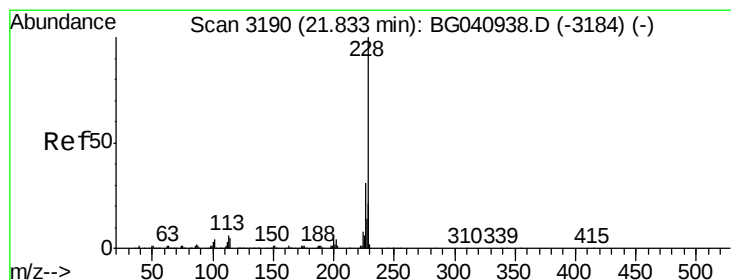
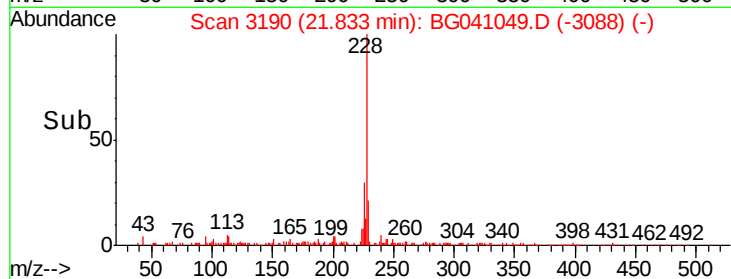
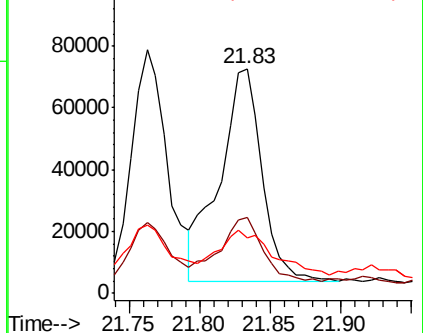
229 24.9 16.7 25.1



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: 5.826 ng

RT: 21.83 min Scan# 3190

Delta R.T. 0.00 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

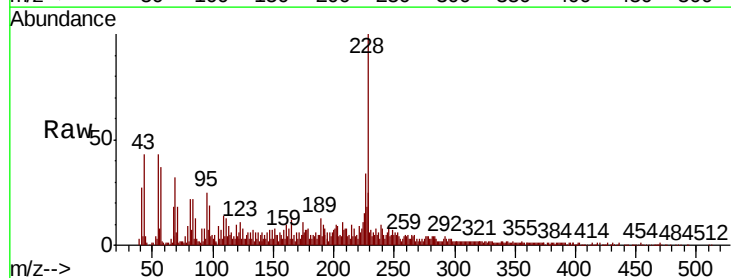
Tgt Ion:228 Resp: 144705

Ion Ratio Lower Upper

228 100

226 33.7 24.6 37.0

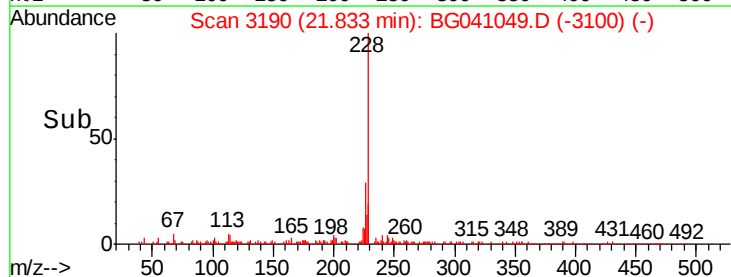
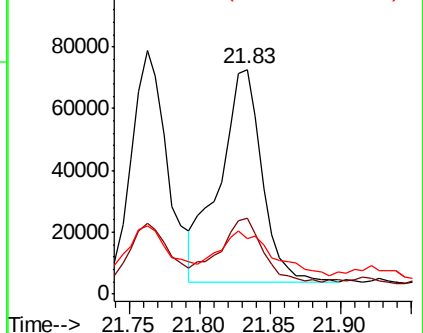
229 24.9 16.6 24.8#

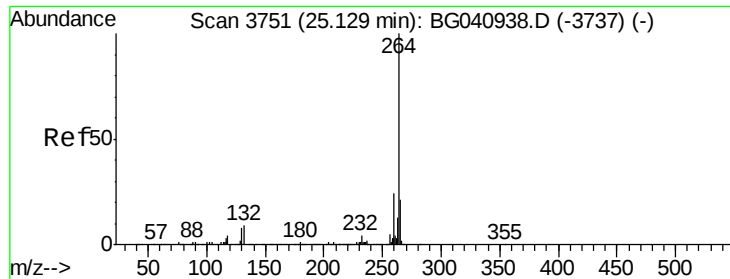


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.15 min Scan# 3754

Delta R.T. 0.02 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-007-B

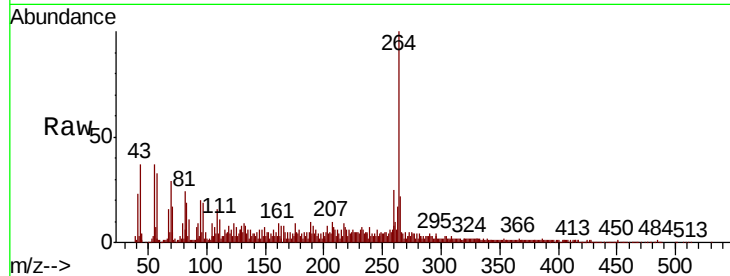
Tgt Ion:264 Resp: 319834

Ion Ratio Lower Upper

264 100

260 24.8 19.0 28.4

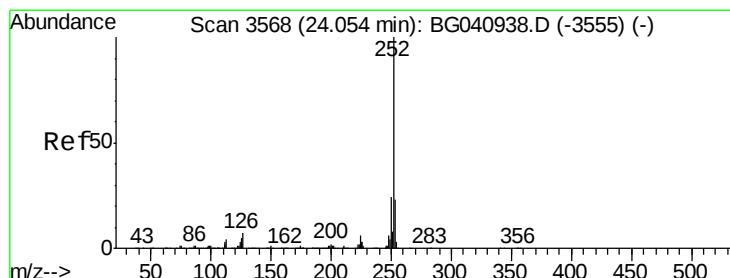
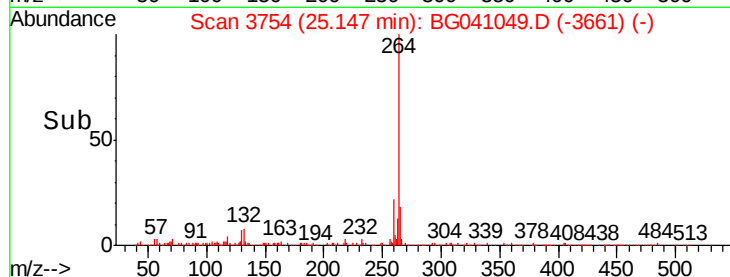
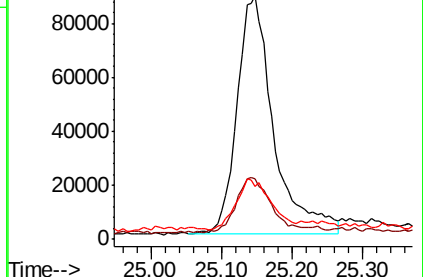
265 21.8 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 6.555 ng

RT: 24.08 min Scan# 3572

Delta R.T. 0.02 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

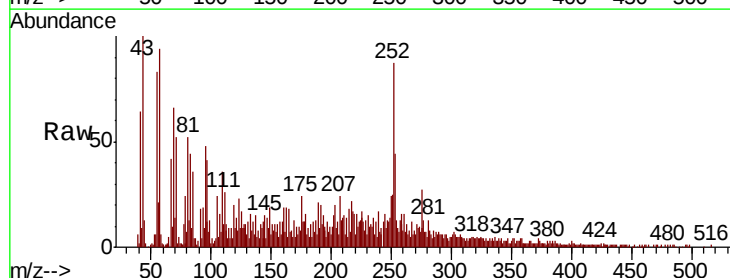
Tgt Ion:252 Resp: 127166

Ion Ratio Lower Upper

252 100

253 51.0 18.4 27.6#

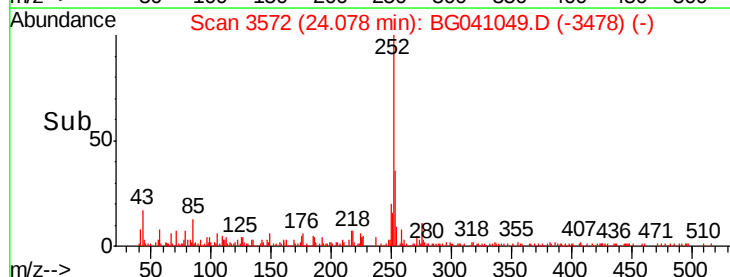
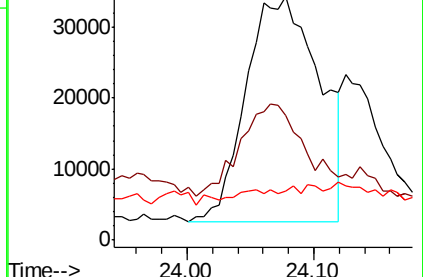
125 19.9 4.3 6.5#

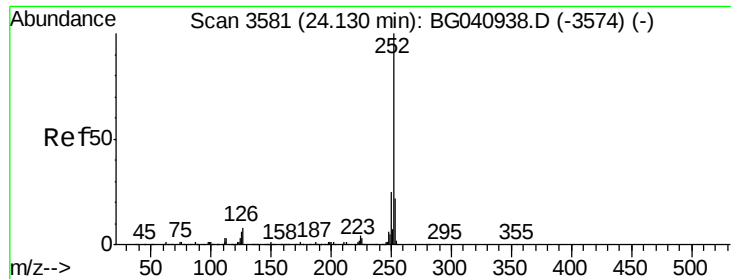


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.624 ng

RT: 24.08 min Scan# 3572

Delta R.T. -0.05 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-007-B

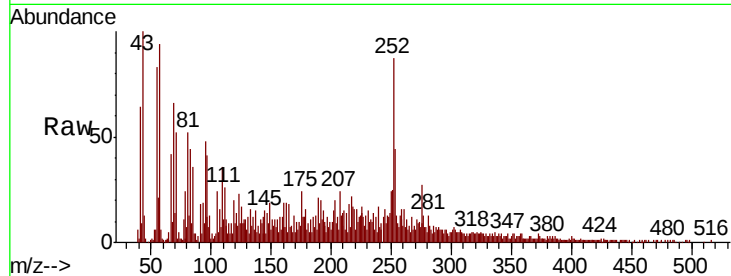
Tgt Ion:252 Resp: 127166

Ion Ratio Lower Upper

252 100

253 51.0 17.8 26.6#

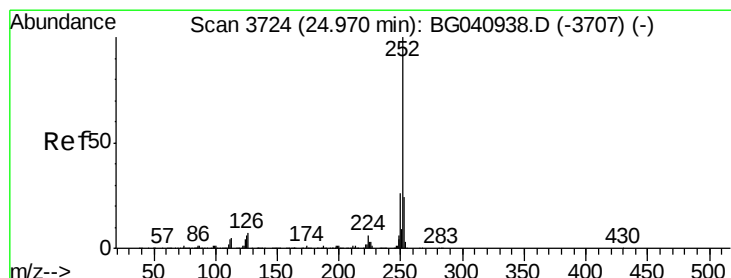
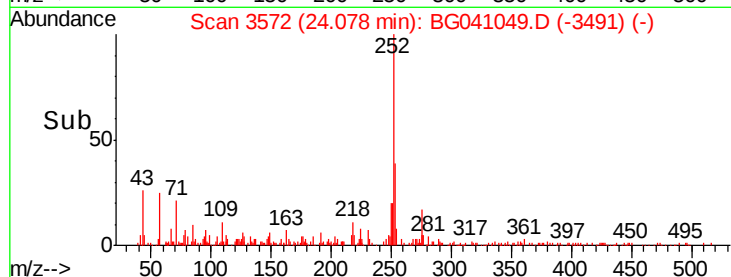
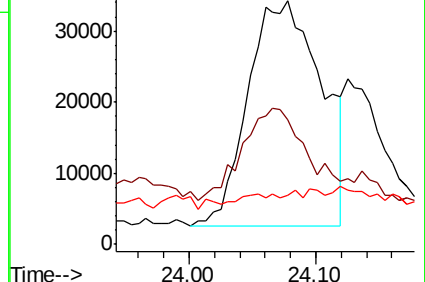
125 19.9 4.7 7.1#



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: 4.961 ng

RT: 24.98 min Scan# 3726

Delta R.T. 0.01 min

Lab File: BG041049.D

Acq: 4 Jun 2019 00:29

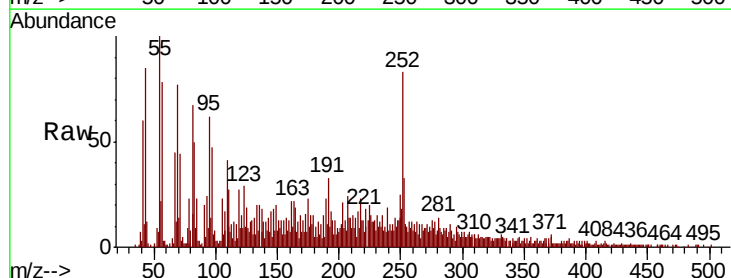
Tgt Ion:252 Resp: 91821

Ion Ratio Lower Upper

252 100

253 39.8 19.5 29.3#

125 23.2 5.1 7.7#



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

