

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042376.D
 Acq On : 21 Aug 2019 3:00
 Operator : HP/JU
 Sample : K4389-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 05:57:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	72277	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	283086	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	187052	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	361600	20.00	ng	0.00
76) Chrysene-d12	21.70	240	383505	20.00	ng	0.00
87) Perylene-d12	24.96	264	462075	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	287000	80.45	ng	0.01
7) Phenol-d6	7.18	99	391269	80.76	ng	0.01
23) Nitrobenzene-d5	9.17	82	213415	53.02	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	192695	75.64	ng	0.01
45) 2-Fluorobiphenyl	13.29	172	568309	51.41	ng	0.00
79) Terphenyl-d14	20.03	244	803458	45.89	ng	0.00

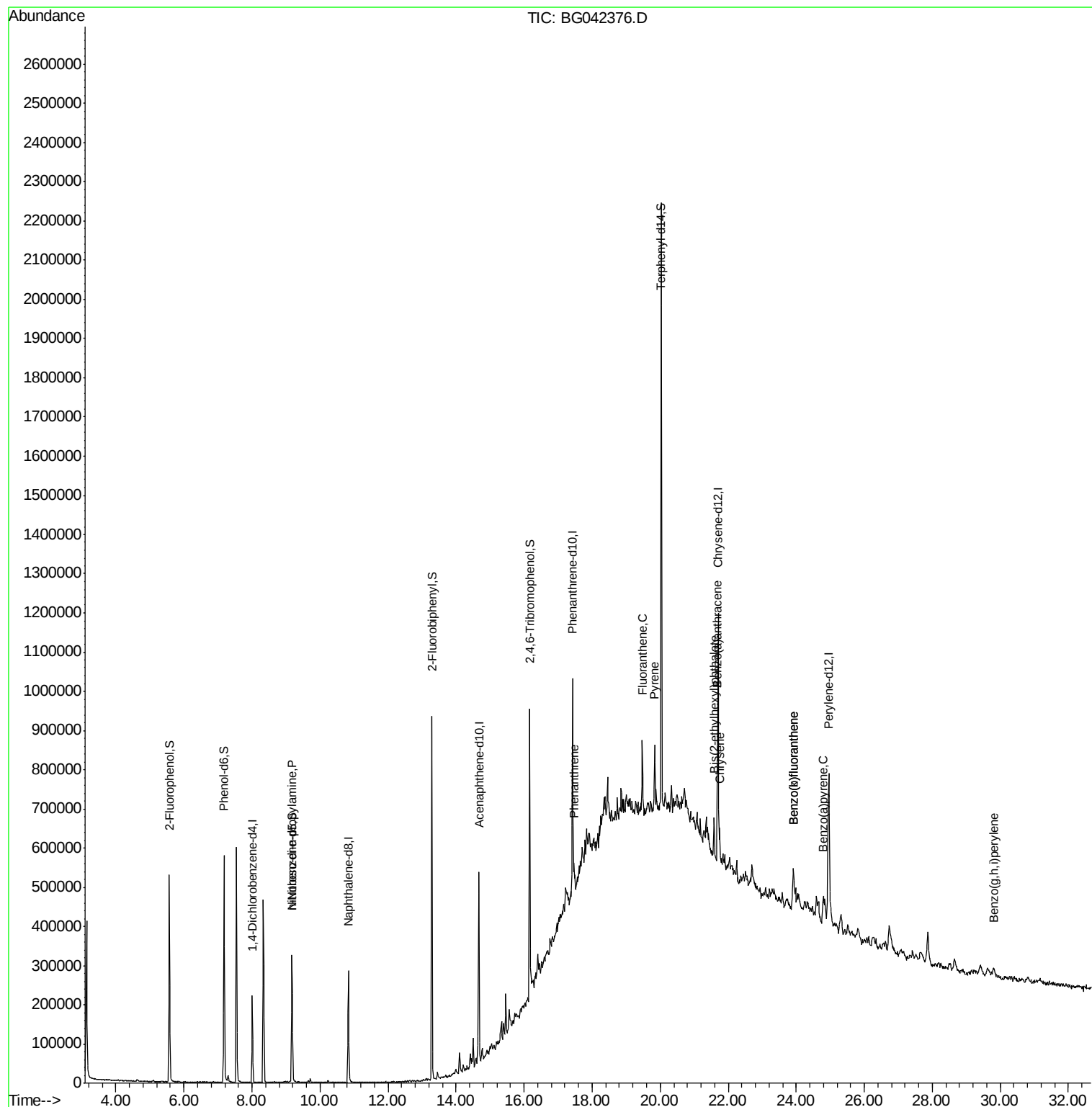
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.17	70	27253	8.746	ng	# 72
71) Phenanthrene	17.47	178	48705	2.704	ng	# 92
75) Fluoranthene	19.47	202	129371	5.957	ng	97
78) Pyrene	19.84	202	121577	5.152	ng	98
81) Benzo(a)anthracene	21.68	228	71278	3.026	ng	97
83) Chrysene	21.74	228	71098	3.156	ng	98
84) Bis(2-ethylhexyl)phthalate	21.58	149	33082	2.537	ng	# 94
88) Benzo(b)fluoranthene	23.92	252	102464	4.034	ng	# 90
89) Benzo(k)fluoranthene	23.92	252	102464	4.127	ng	# 90
90) Benzo(a)pyrene	24.79	252	75801	3.115	ng	# 89
92) Benzo(g,h,i)perylene	29.80	276	53128	2.196	ng	97

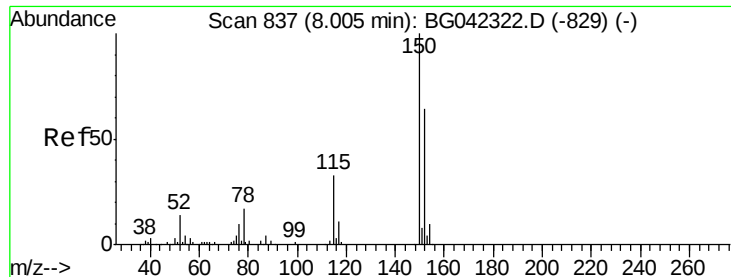
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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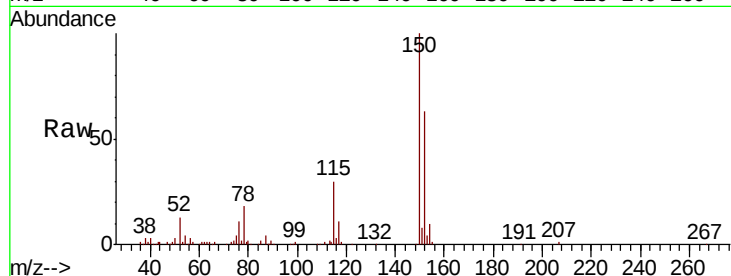


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.01 min
Lab File: BG042376.D
Acq: 21 Aug 2019 3:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.3	186.5
115	47.3	40.5	60.7

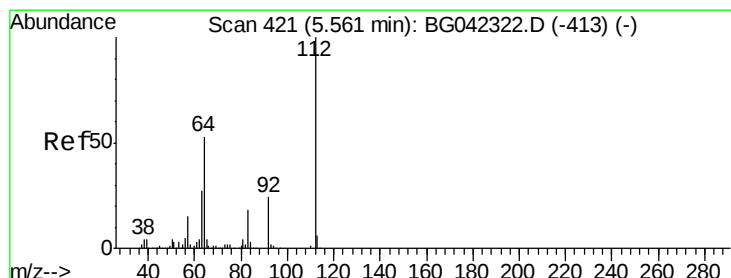
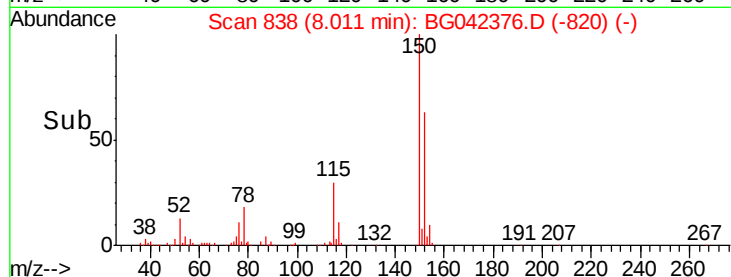
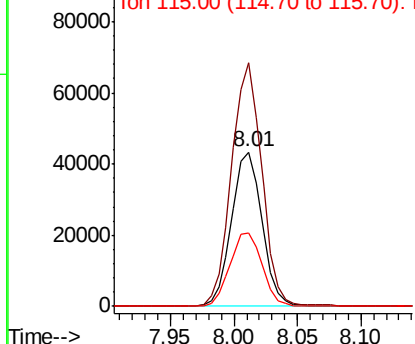


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

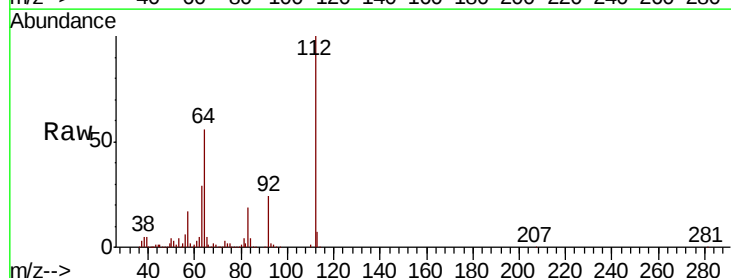
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 80.453 ng
RT: 5.57 min Scan# 423
Delta R.T. 0.01 min
Lab File: BG042376.D
Acq: 21 Aug 2019 3:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	42.5	63.7
63	29.1	21.7	32.5

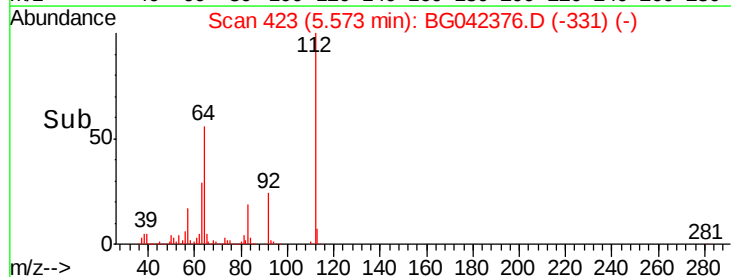
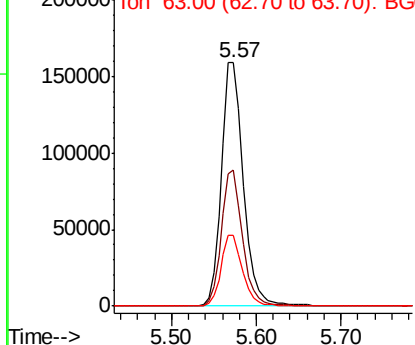


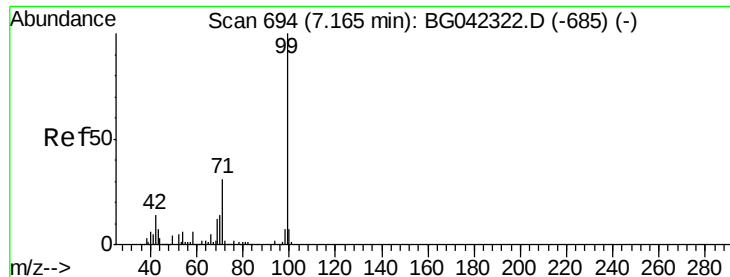
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 80.760 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG042376.D

Acq: 21 Aug 2019 3:00

Instrument :

BNA_G

ClientSampled :

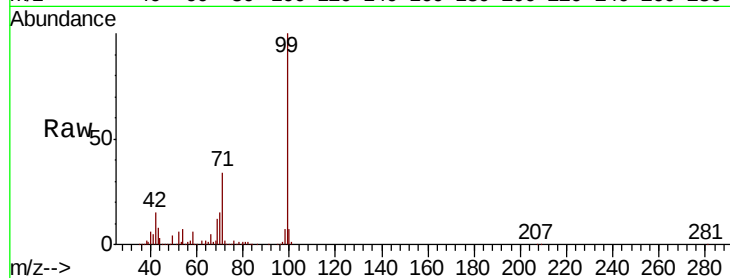
Tot Ion: 99 Resp: 391269

Ion Ratio Lower Upper

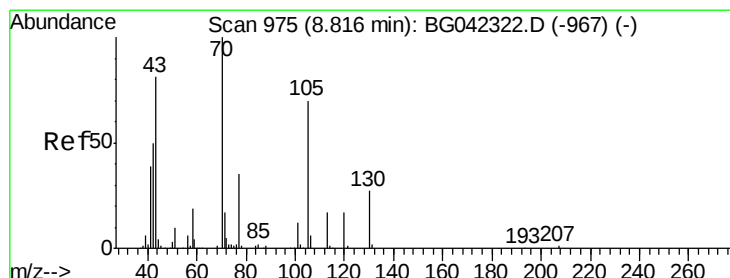
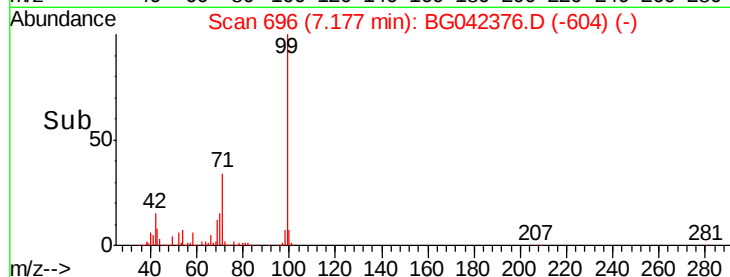
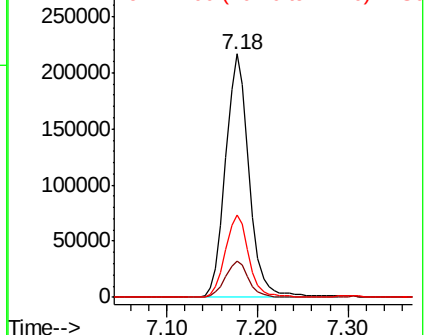
99 100

42 14.8 11.4 17.0

71 33.9 25.1 37.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.746 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG042376.D

Acq: 21 Aug 2019 3:00

Tgt Ion: 70 Resp: 27253

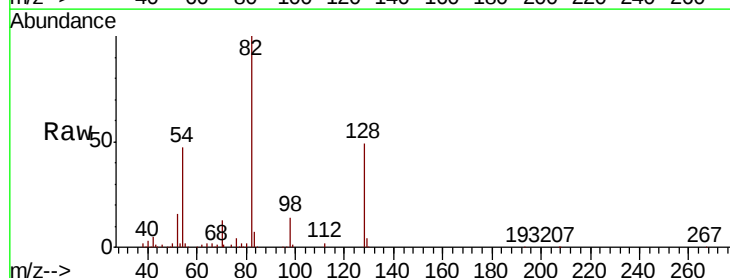
Ion Ratio Lower Upper

70 100

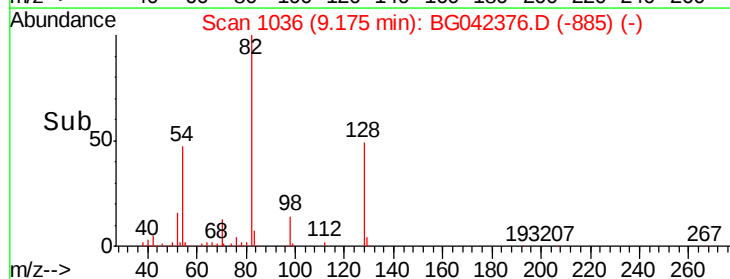
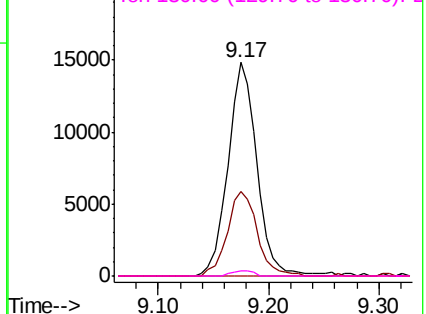
42 39.8 40.5 60.7#

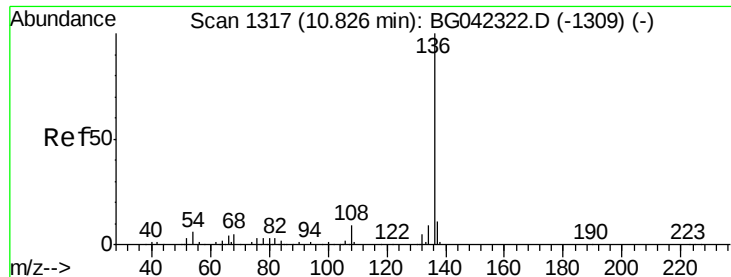
101 0.0 9.3 13.9#

130 2.1 22.0 33.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

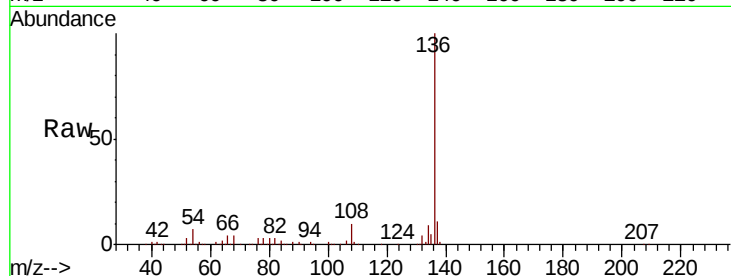




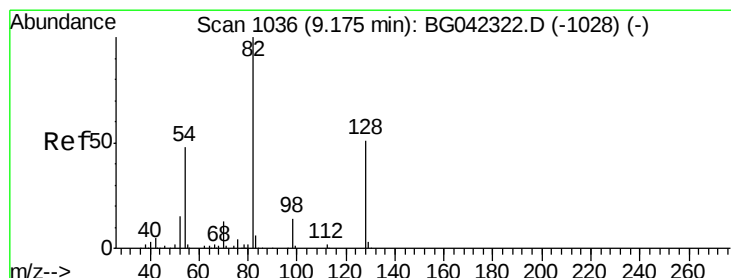
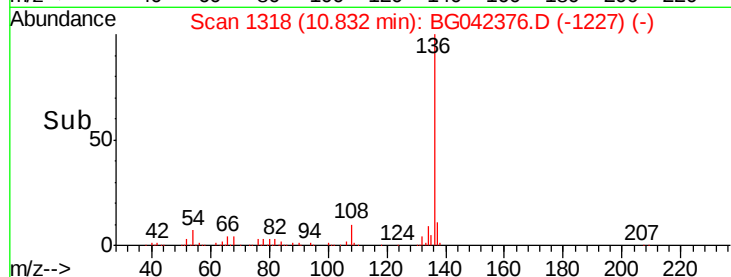
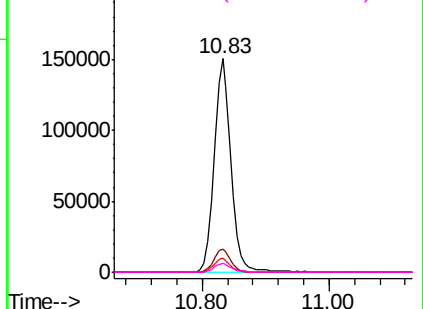
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BG042376.D
Acq: 21 Aug 2019 3:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	283086
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.4 12.6
54	6.8	5.0 7.4
68	3.9	3.8 5.8

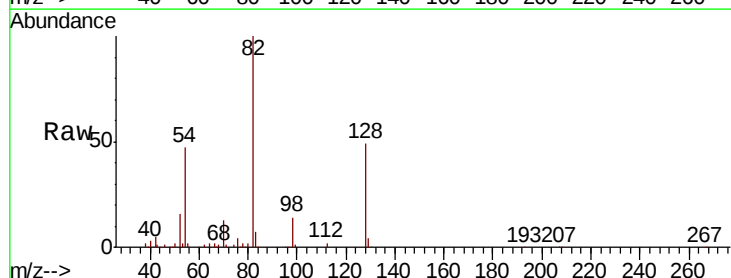


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

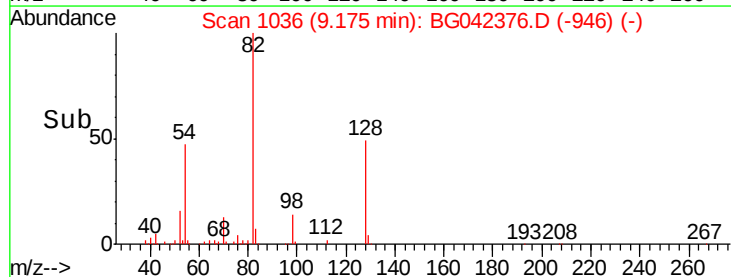
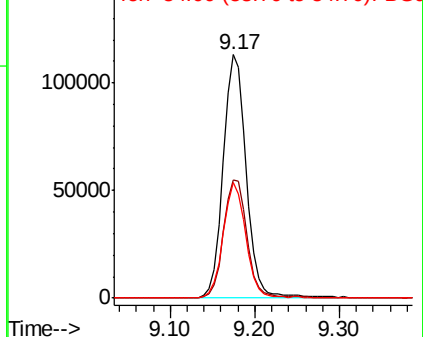


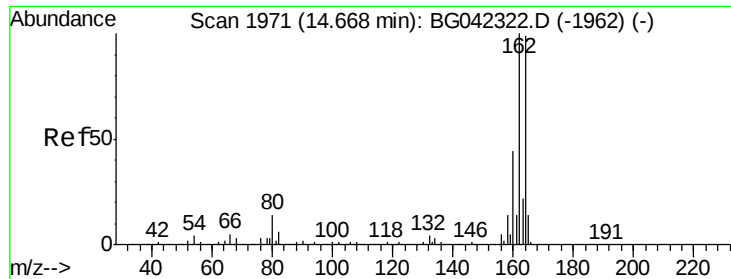
#23
Nitrobenzene-d5
Concen: 53.023 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG042376.D
Acq: 21 Aug 2019 3:00

Tgt Ion: 82	Resp:	213415
Ion	Ratio	Lower Upper
82	100	
128	48.6	41.0 61.4
54	47.3	38.0 57.0



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

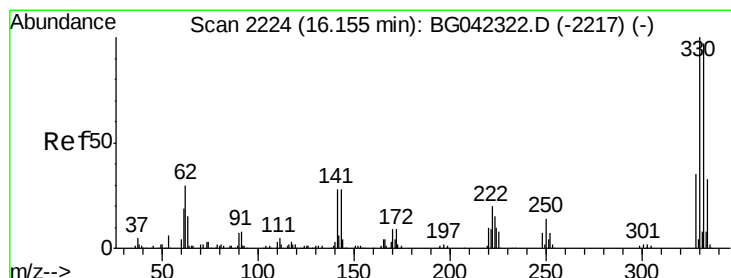
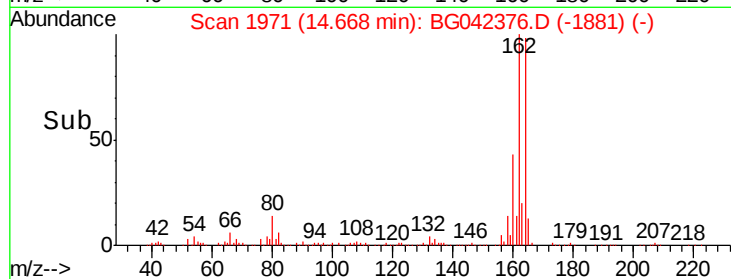
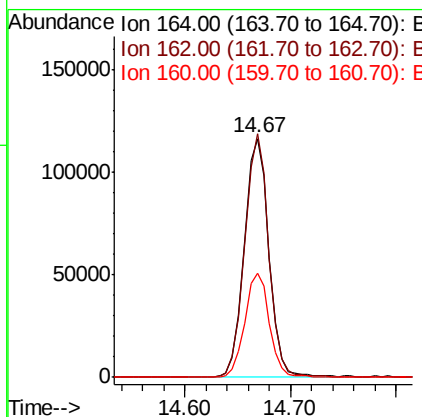
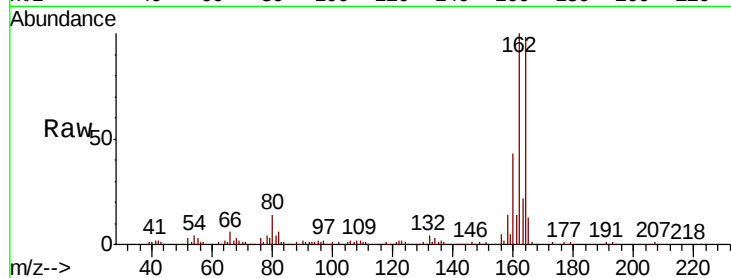




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BG042376.D
Acq: 21 Aug 2019 3:00

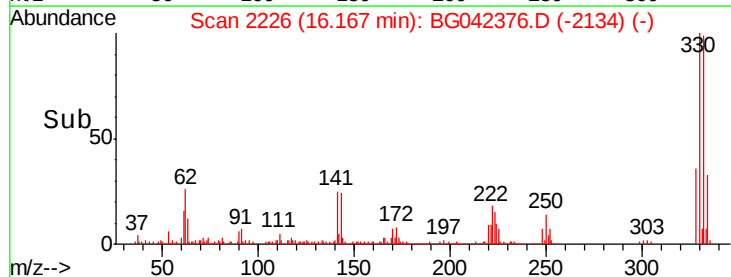
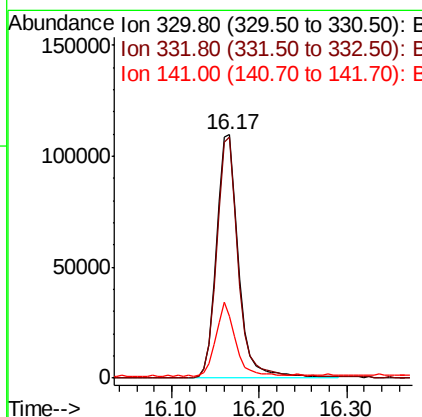
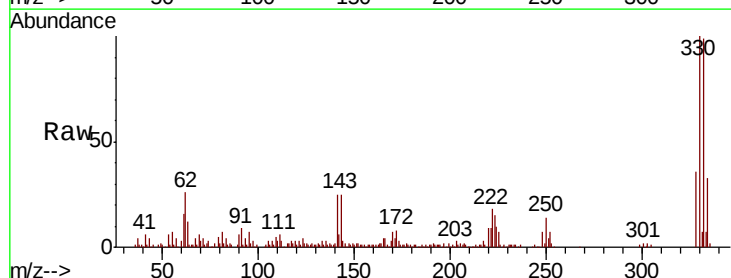
Instrument :
BNA_G
ClientSampleId :

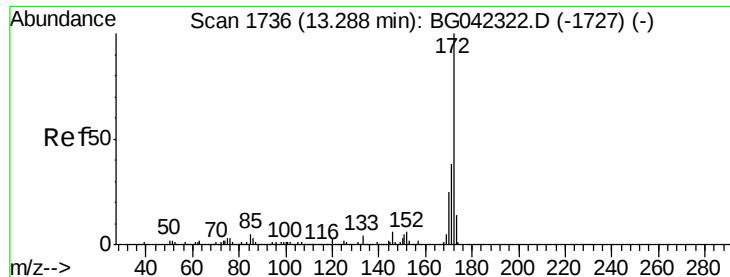
Tot Ion:164 Resp: 187052
Ion Ratio Lower Upper
164 100
162 102.1 80.6 120.8
160 43.9 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 75.638 ng
RT: 16.17 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BG042376.D
Acq: 21 Aug 2019 3:00

Tgt Ion:330 Resp: 192695
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 26.7 21.8 32.6

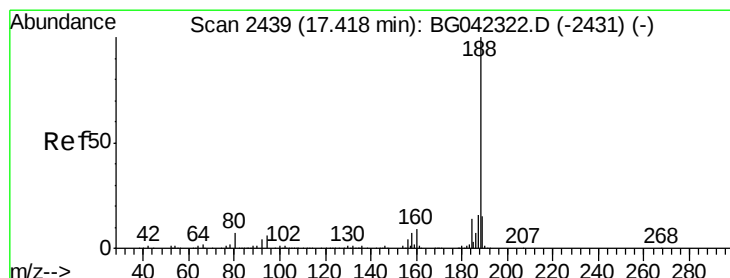
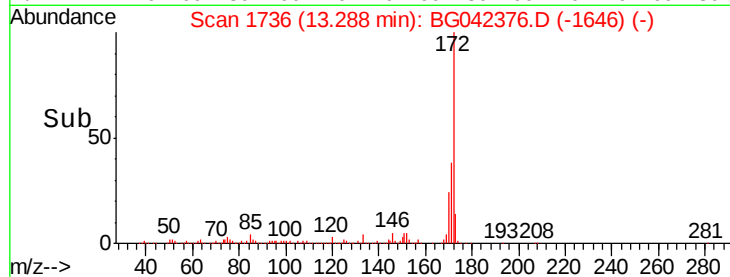
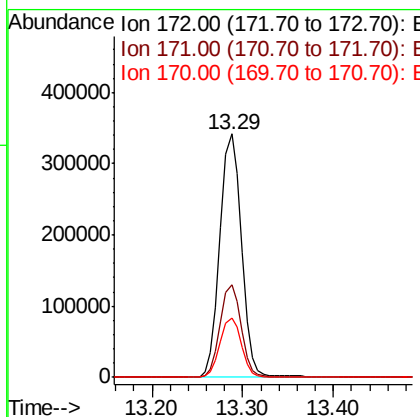
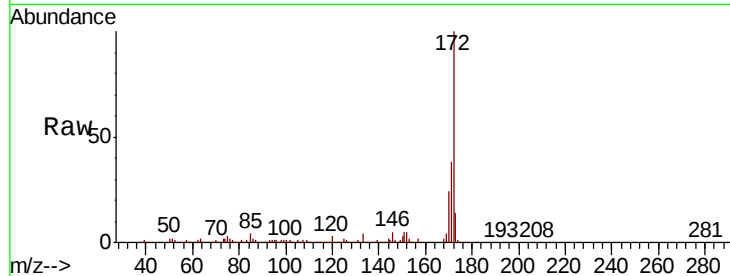




#45
 2-Fluorobiphenyl
 Concen: 51.412 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: BG042376.D
 Acq: 21 Aug 2019 3:00

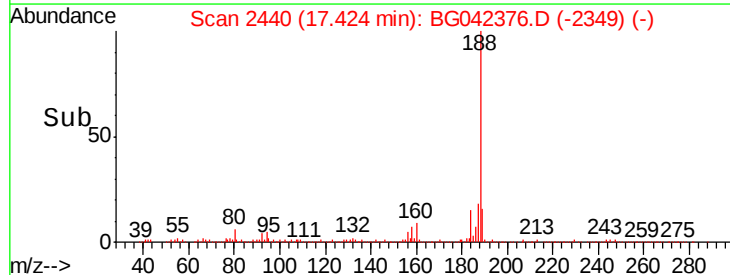
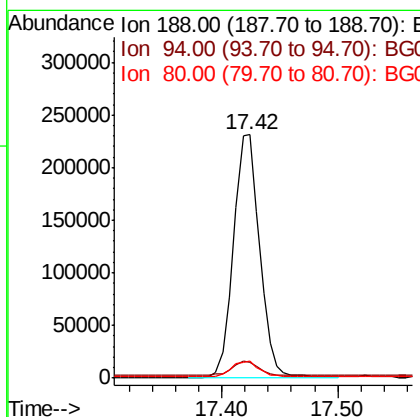
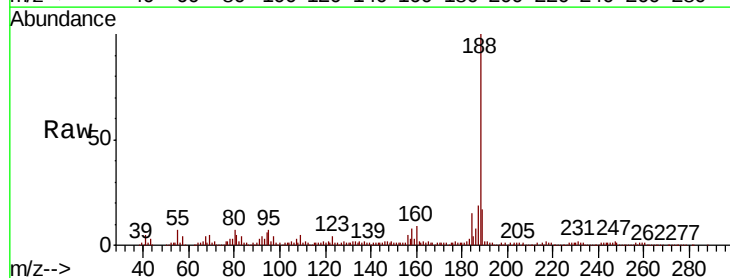
Instrument :
 BNA_G
 ClientSampled :

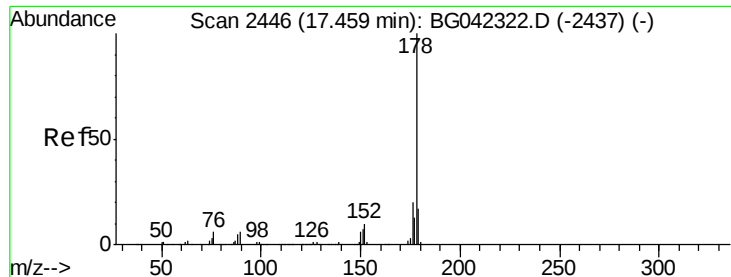
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.3	45.5
170	24.1	20.0	30.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. 0.01 min
 Lab File: BG042376.D
 Acq: 21 Aug 2019 3:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	4.9	7.3
80	6.8	5.4	8.0

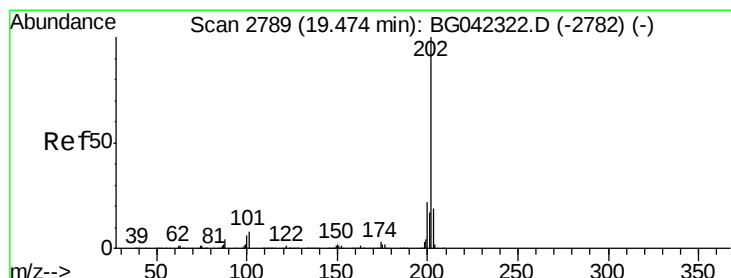
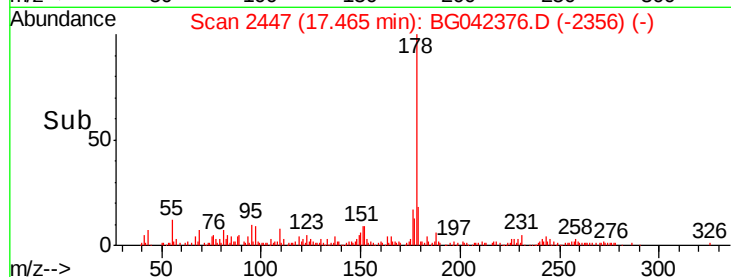
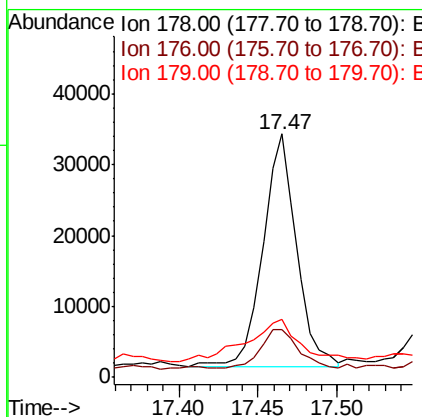
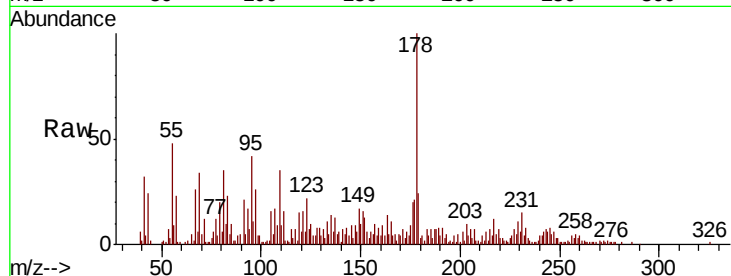




#71
Phenanthrene
Concen: 2.704 ng
RT: 17.47 min Scan# 2447
Delta R.T. 0.01 min
Lab File: BG042376.D
Acq: 21 Aug 2019 3:00

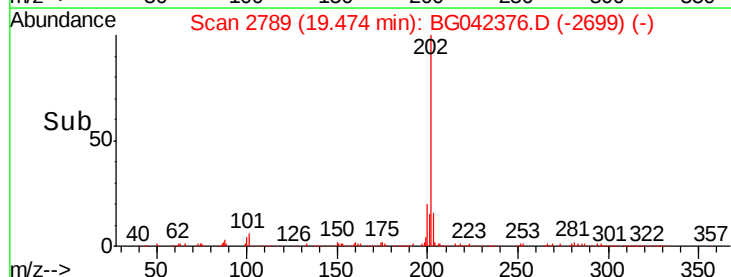
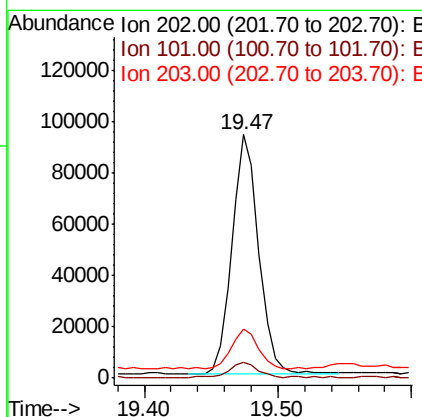
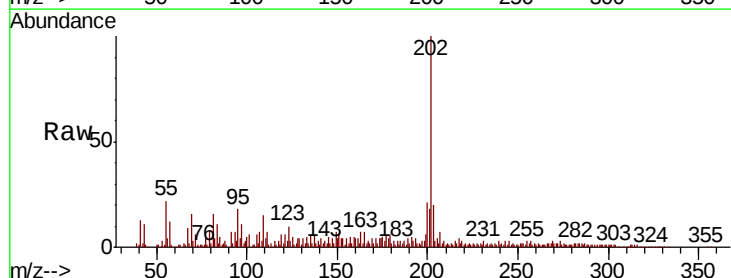
Instrument :
BNA_G
ClientSampleId :

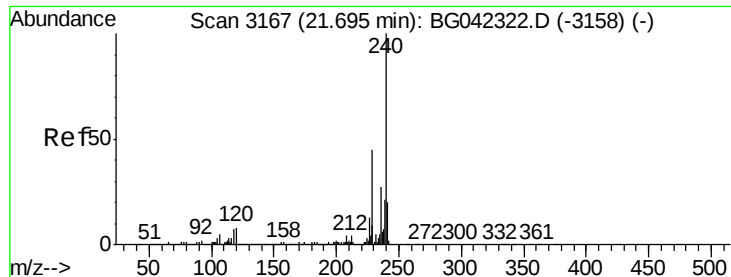
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	23.8	13.7	20.5



#75
Fluoranthene
Concen: 5.957 ng
RT: 19.47 min Scan# 2789
Delta R.T. 0.00 min
Lab File: BG042376.D
Acq: 21 Aug 2019 3:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	28.0
203	20.2	0.0	39.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. 0.01 min

Lab File: BG042376.D

Acq: 21 Aug 2019 3:00

Instrument :

BNA_G

ClientSampleId :

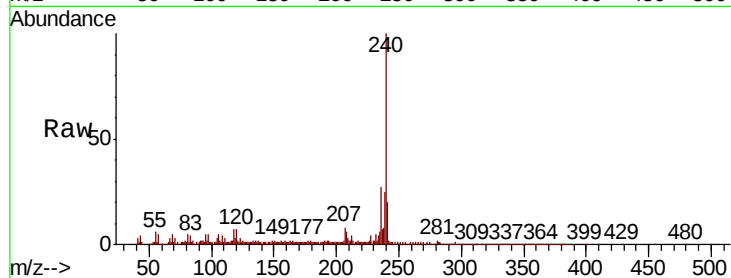
Tot Ion:240 Resp: 383505

Ion Ratio Lower Upper

240 100

120 7.0 6.0 9.0

236 26.8 21.6 32.4

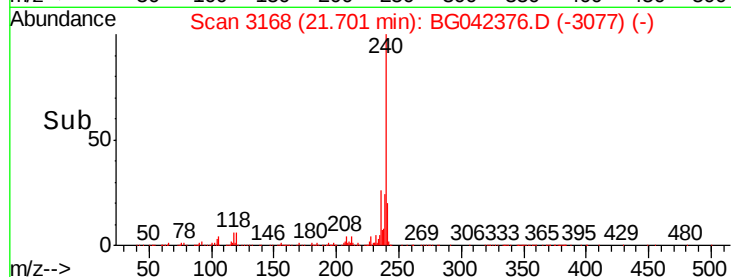


Abundance Ion 240.00 (239.70 to 240.70): E

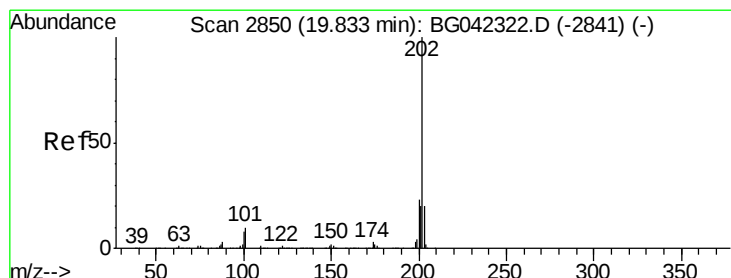
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.70



Time-->



#78

Pyrene

Concen: 5.152 ng

RT: 19.84 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BG042376.D

Acq: 21 Aug 2019 3:00

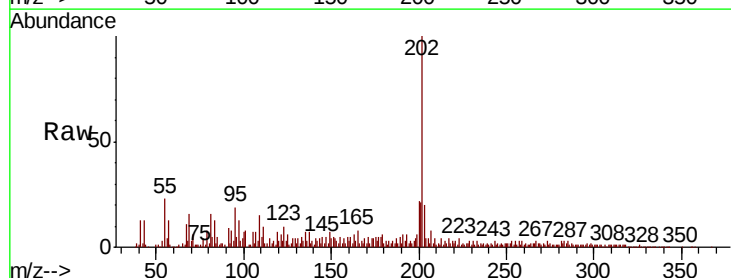
Tgt Ion:202 Resp: 121577

Ion Ratio Lower Upper

202 100

200 21.5 18.1 27.1

203 20.2 15.8 23.8

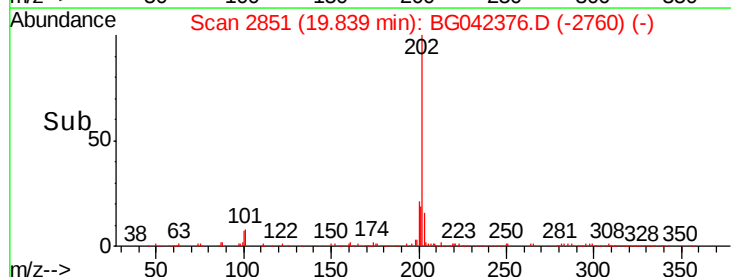


Abundance Ion 202.00 (201.70 to 202.70): E

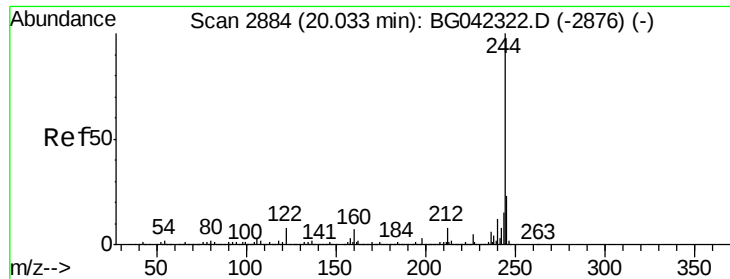
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

19.84



Time-->



#79

Terphenyl-d14

Concen: 45.887 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.00 min

Lab File: BG042376.D

Acq: 21 Aug 2019 3:00

Instrument :

BNA_G

ClientSampleId :

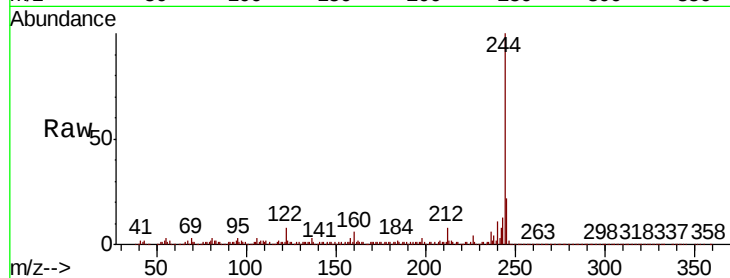
Tot Ion:244 Resp: 803458

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

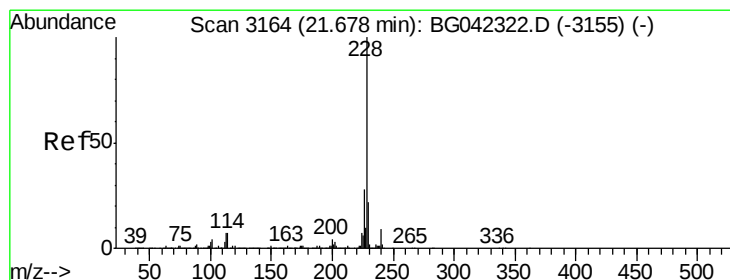
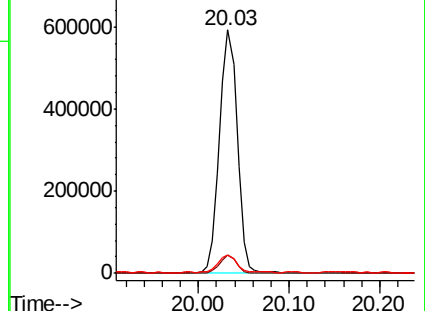
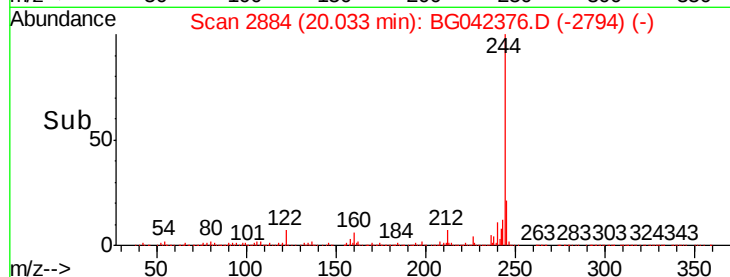
122 7.6 6.6 10.0



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: 3.026 ng

RT: 21.68 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BG042376.D

Acq: 21 Aug 2019 3:00

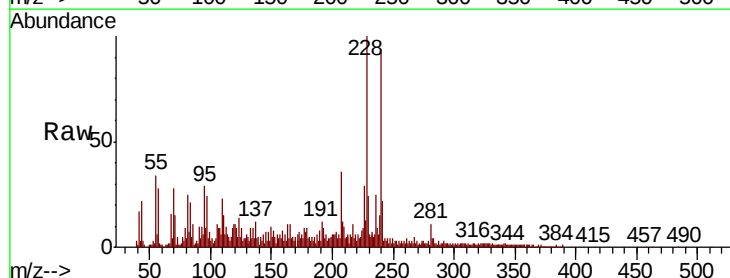
Tgt Ion:228 Resp: 71278

Ion Ratio Lower Upper

228 100

226 29.5 22.7 34.1

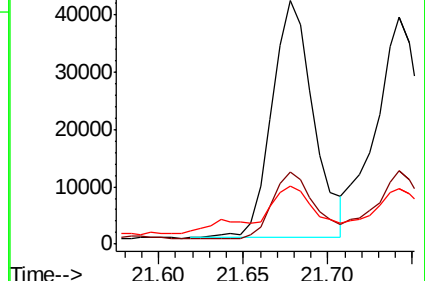
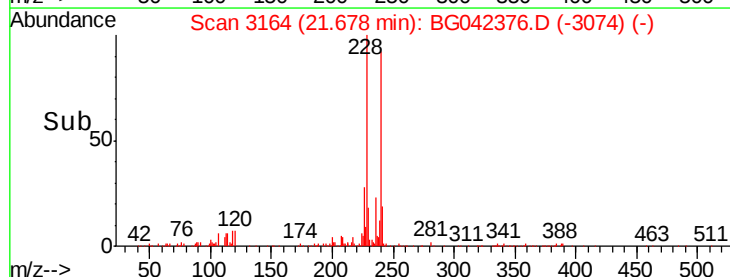
229 23.6 17.4 26.2

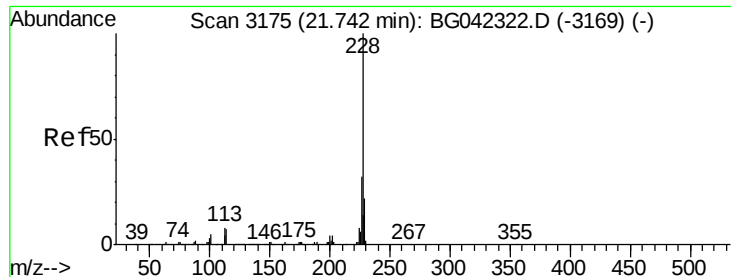


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.156 ng

RT: 21.74 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BG042376.D

Acq: 21 Aug 2019 3:00

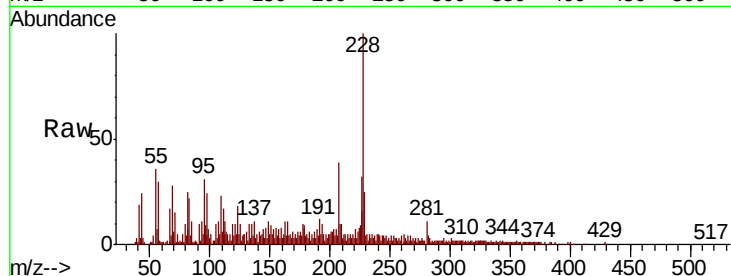
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 71098

Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.6	38.4
229	24.6	17.8	26.6

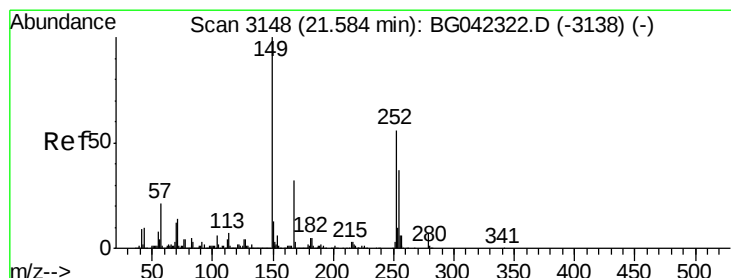
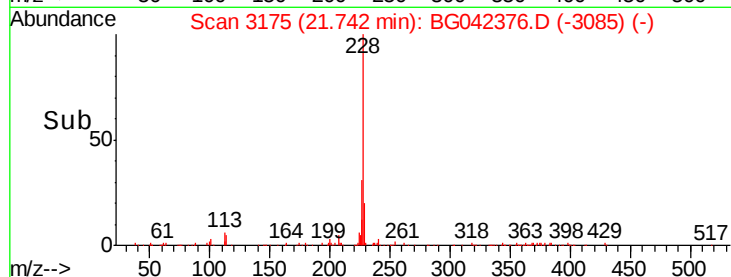
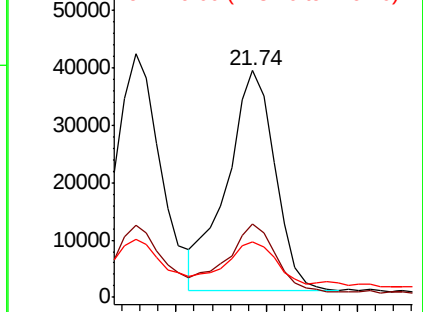


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.537 ng

RT: 21.58 min Scan# 3148

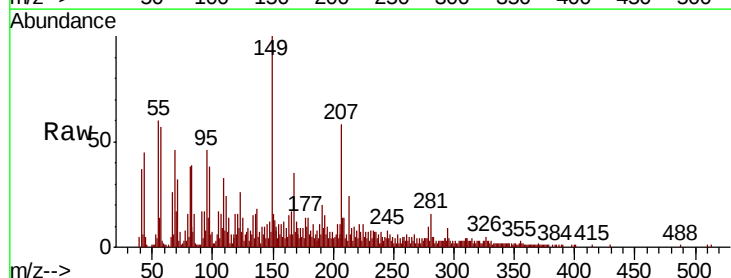
Delta R.T. 0.00 min

Lab File: BG042376.D

Acq: 21 Aug 2019 3:00

Tgt Ion:149 Resp: 33082

Ion	Ratio	Lower	Upper
149	100		
167	34.5	25.4	38.0
279	9.8	5.8	8.6

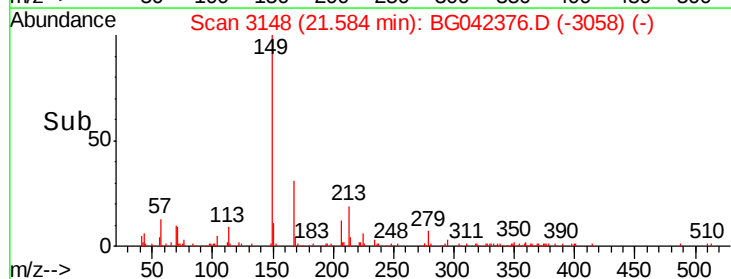
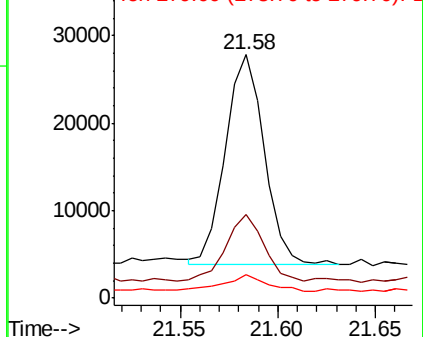


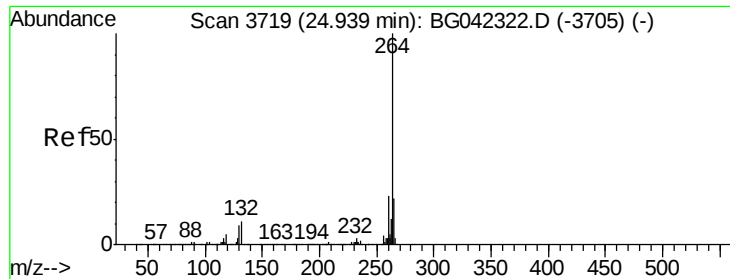
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.96 min Scan# 3722

Delta R.T. 0.02 min

Lab File: BG042376.D

Acq: 21 Aug 2019 3:00

Instrument :

BNA_G

ClientSampleId :

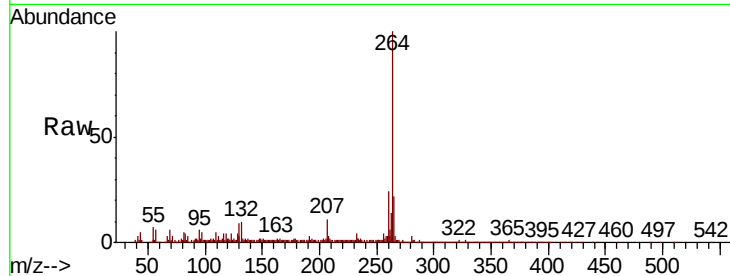
Tot Ion:264 Resp: 462075

Ion Ratio Lower Upper

264 100

260 24.3 18.4 27.6

265 22.1 17.4 26.0

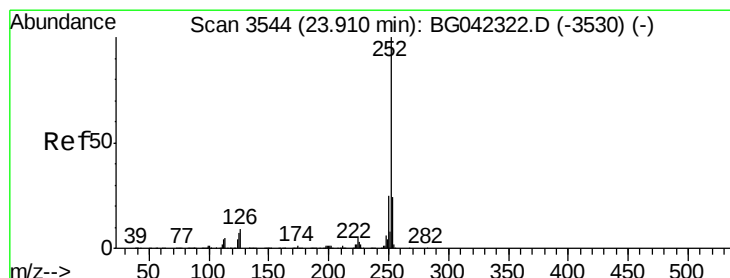
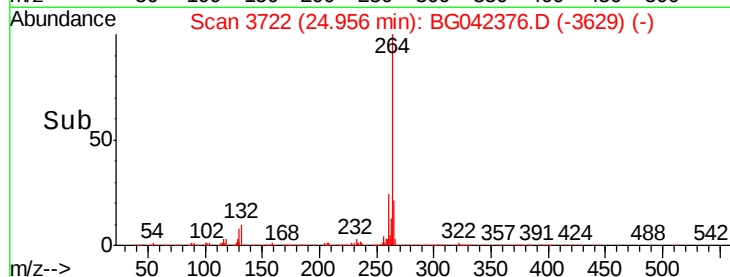
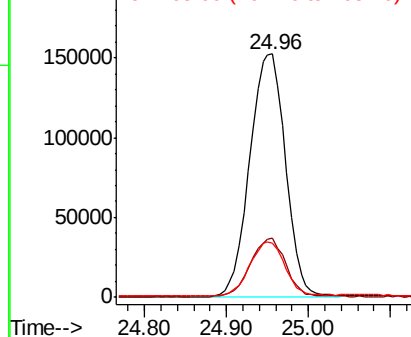


Abundance

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: 4.034 ng

RT: 23.92 min Scan# 3546

Delta R.T. 0.01 min

Lab File: BG042376.D

Acq: 21 Aug 2019 3:00

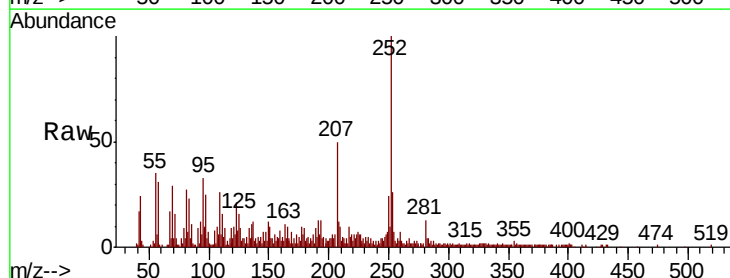
Tgt Ion:252 Resp: 102464

Ion Ratio Lower Upper

252 100

253 26.2 18.9 28.3

125 15.7 5.8 8.6#

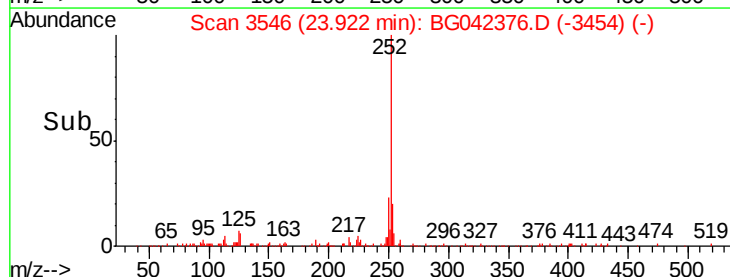
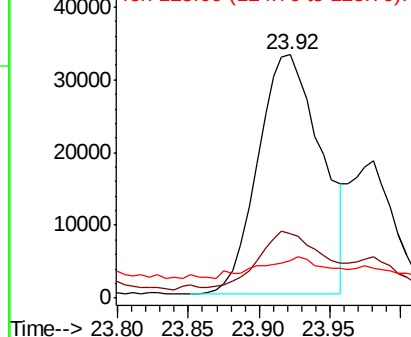


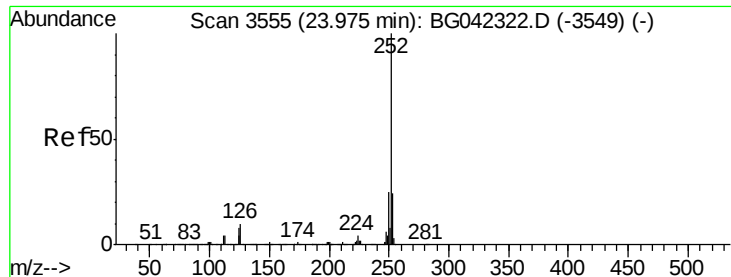
Abundance

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

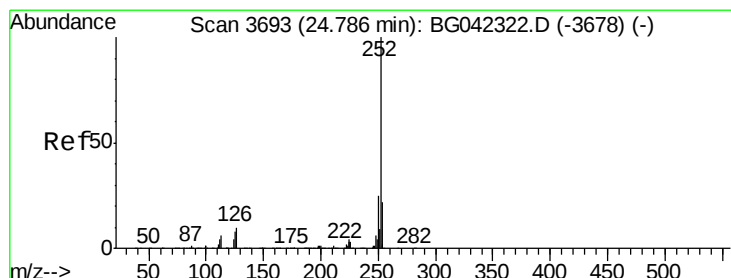
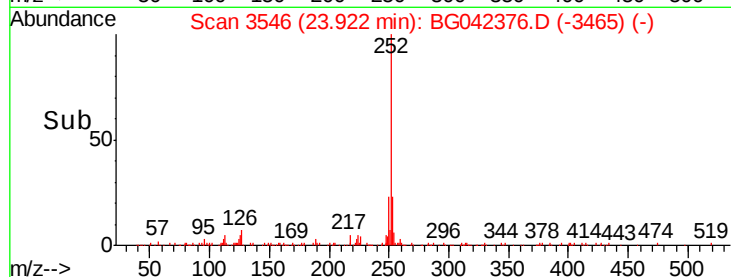
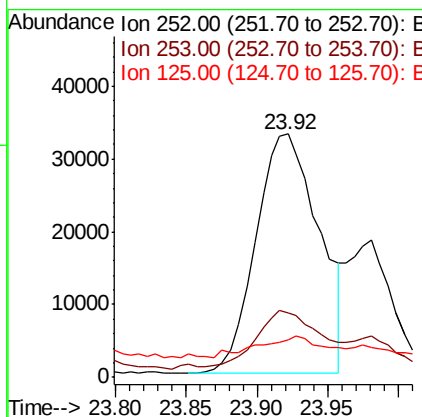
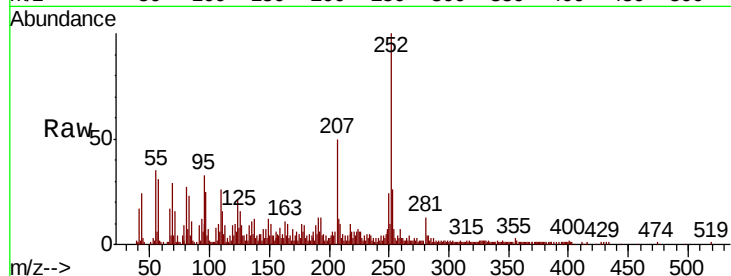




#89
Benzo(k)fluoranthene
Concen: 4.127 ng
RT: 23.92 min Scan# 3546
Delta R.T. -0.05 min
Lab File: BG042376.D
Acq: 21 Aug 2019 3:00

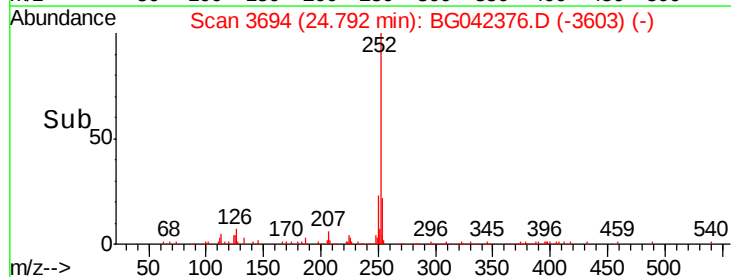
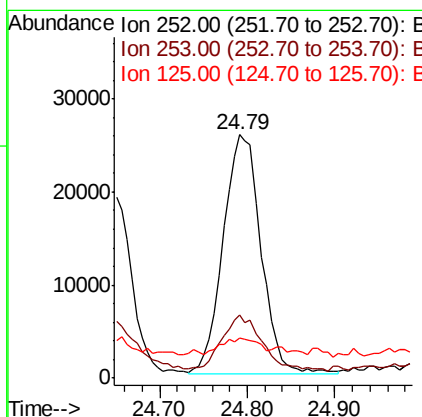
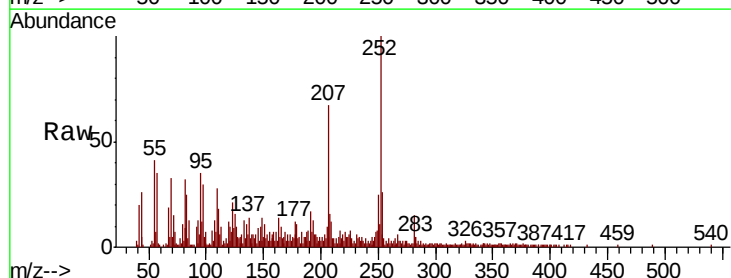
Instrument :
BNA_G
ClientSampleId :

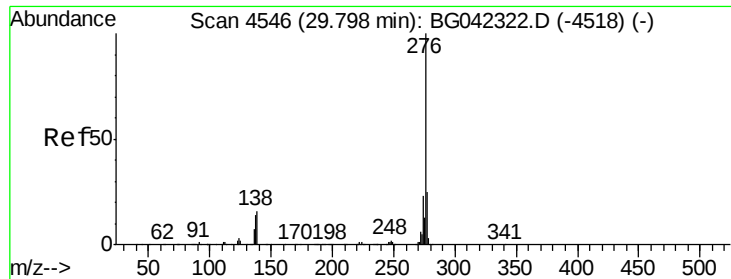
Tot Ion:252 Resp: 102464
Ion Ratio Lower Upper
252 100
253 26.2 19.0 28.4
125 15.7 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 3.115 ng
RT: 24.79 min Scan# 3694
Delta R.T. 0.01 min
Lab File: BG042376.D
Acq: 21 Aug 2019 3:00

Tgt Ion:252 Resp: 75801
Ion Ratio Lower Upper
252 100
253 26.0 17.9 26.9
125 16.2 6.7 10.1#





#92

Benzo(a,h,i)perylene

Concen: 2.196 ng

RT: 29.80 min Scan# 4547

Delta R.T. 0.01 min

Lab File: BG042376.D

Acq: 21 Aug 2019 3:00

Instrument :

BNA_G

ClientSampleId :

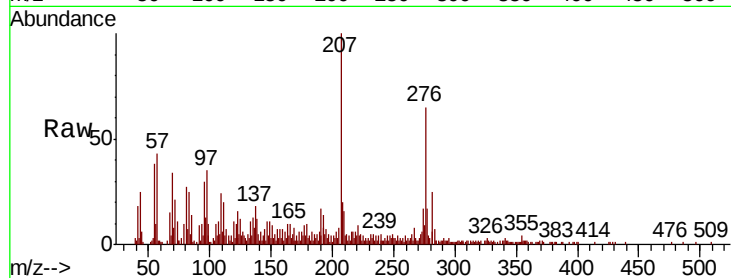
Tot Ion: 276 Resp: 53128

Ion Ratio Lower Upper

276 100

277 25.9 19.8 29.8

138 17.6 12.8 19.2



Abundance Ion 276.00 (275.70 to 276.70): E

15000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

