

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 :
 T4-F-(0-2)

Quant Time: Aug 21 06:00:49 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

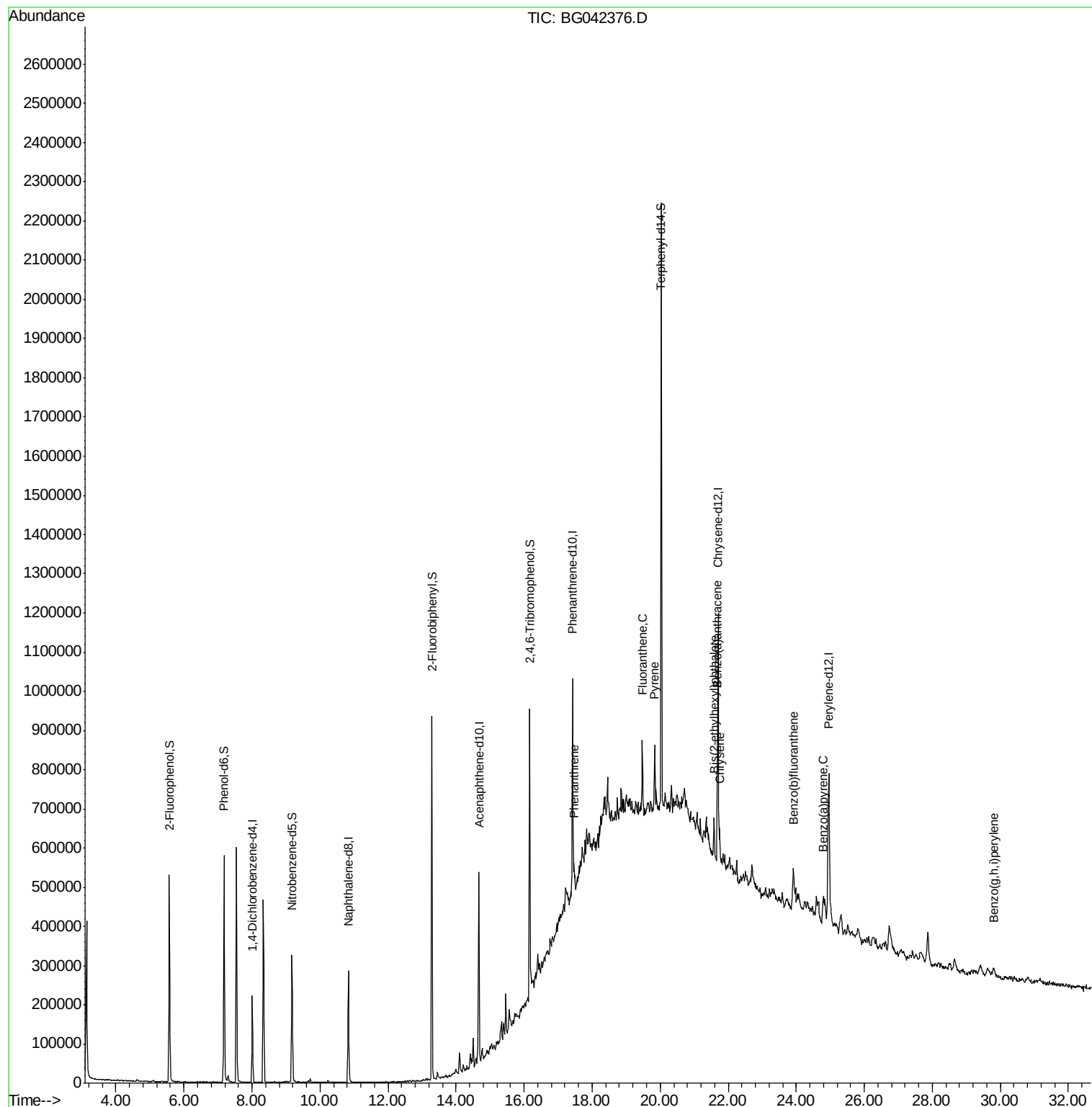
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
71) Phenanthrene	17.47	178	48705	2.704	ng	# 92
75) Fluoranthene	19.47	202	129371	5.957	ng	97
78) Pyrene	19.84	202	121577	5.152	ng	98
81) Benzo(a)anthracene	21.68	228	71278	3.026	ng	97
83) Chrysene	21.74	228	71098	3.156	ng	98
84) Bis(2-ethylhexyl)phthalate	21.58	149	33082	2.537	ng	# 94
88) Benzo(b)fluoranthene	23.92	252	102464	4.034	ng	# 90
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

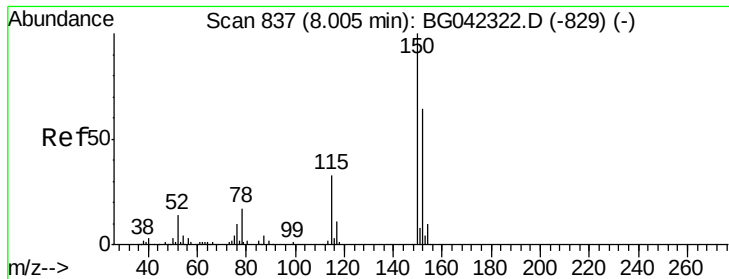
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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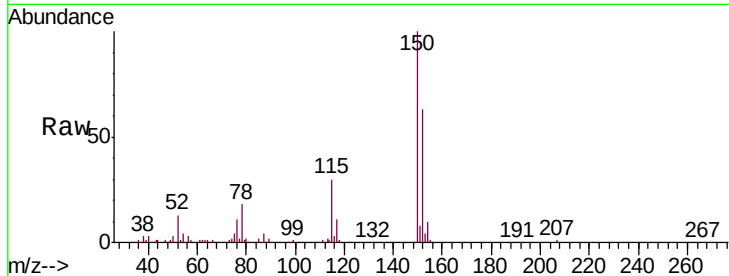


#1

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 :
T4-F-(0-2)

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

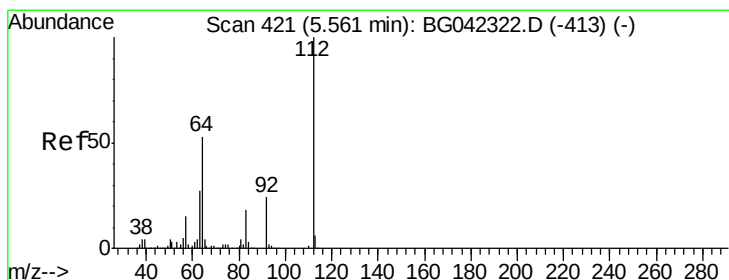
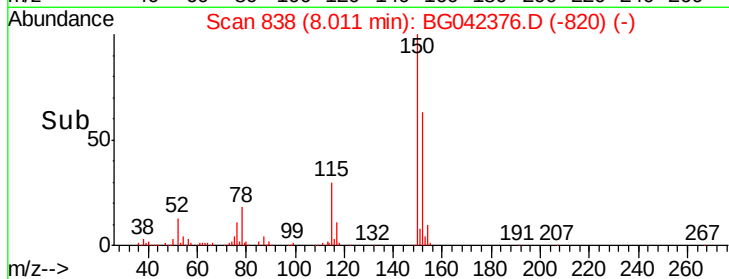
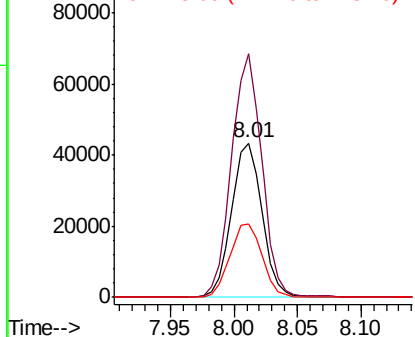


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

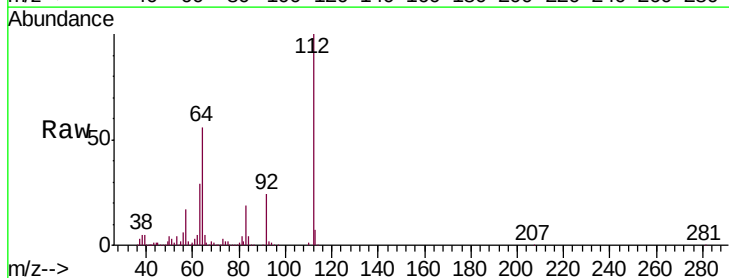
Ion 115.00 (114.70 to 115.70): E



#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

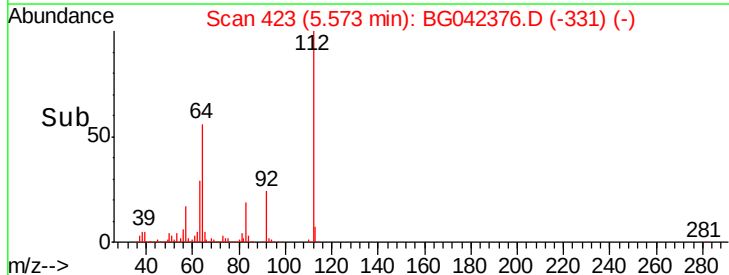
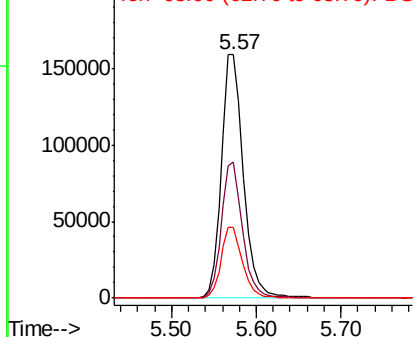


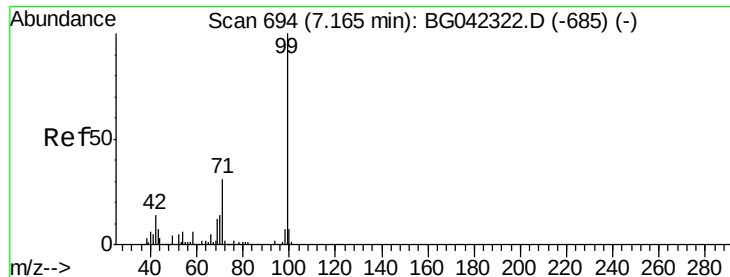
Abundance

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 :

T4-F-(0-2)

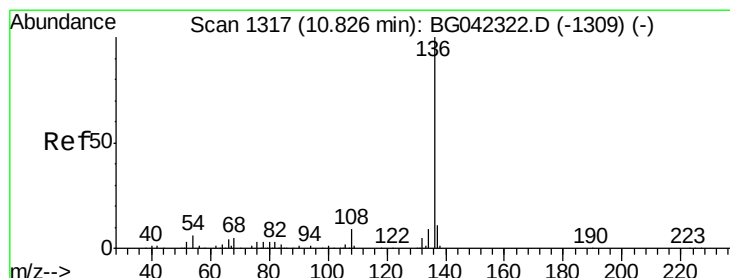
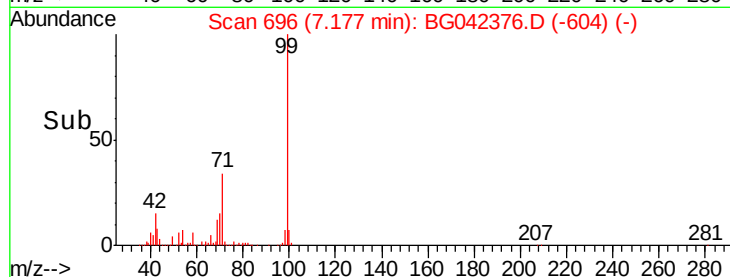
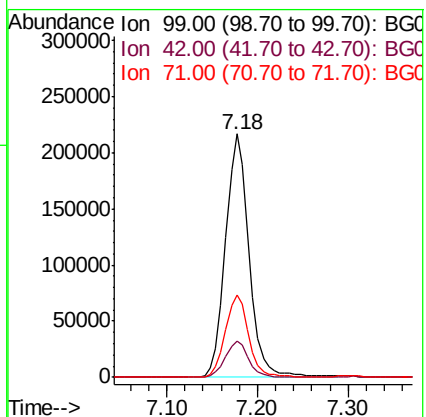
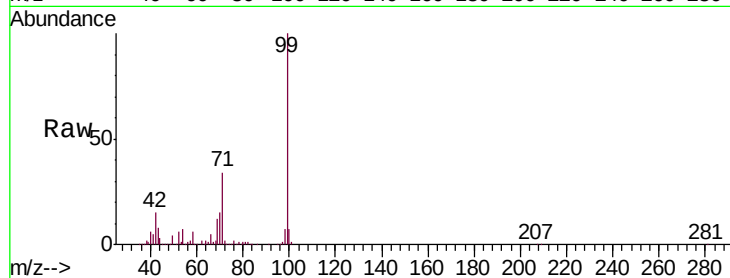
Tot Ion: 99 Resp: 391269

Ion Ratio Lower Upper

99 100

42 14.8 11.4 17.0

71 33.9 25.1 37.7



#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

Tgt Ion: 136 Resp: 283086

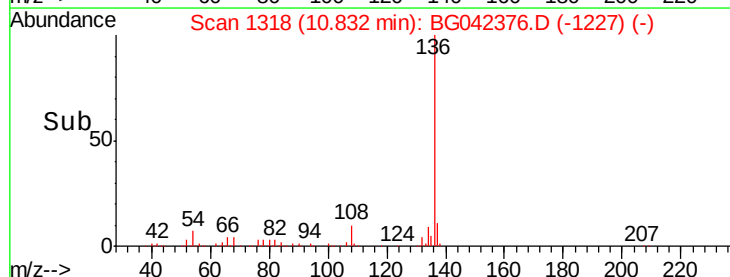
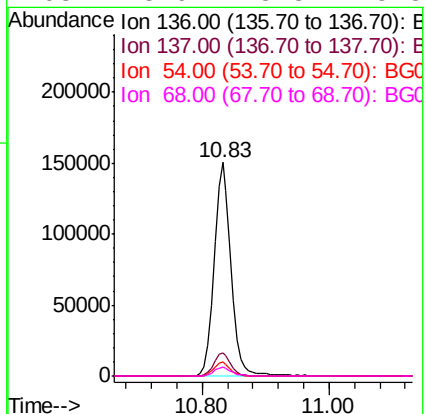
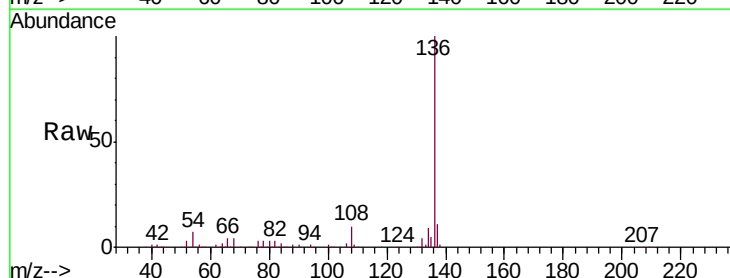
Ion Ratio Lower Upper

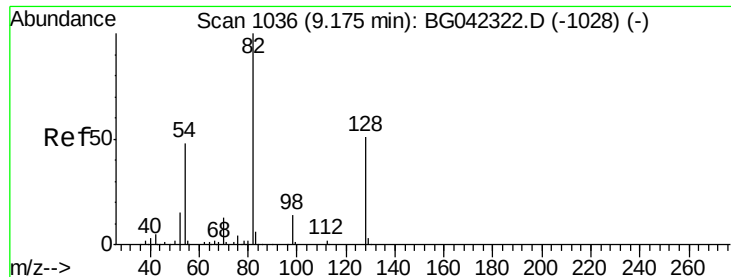
136 100

137 10.7 8.4 12.6

54 6.8 5.0 7.4

68 3.9 3.8 5.8

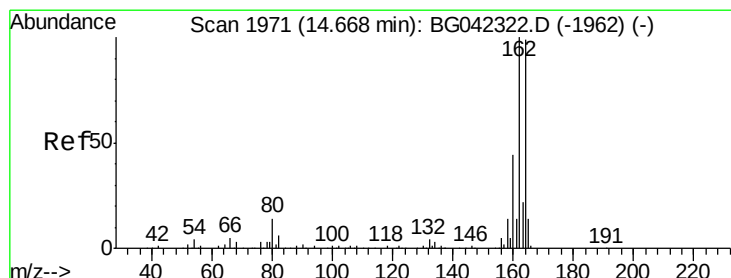
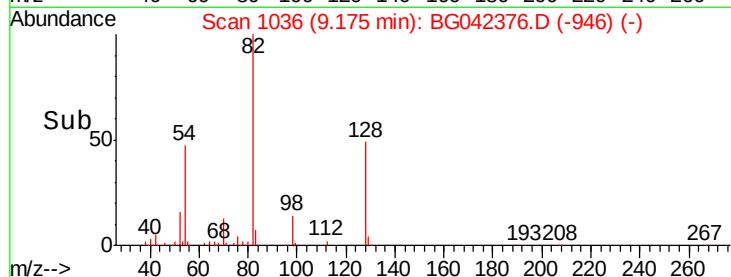
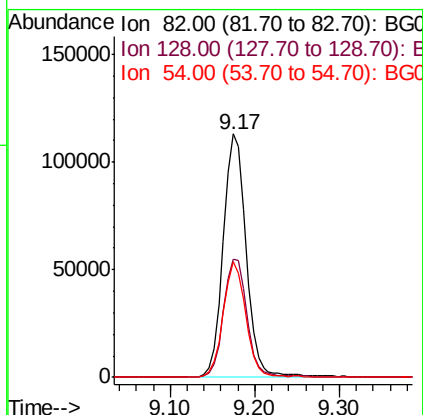
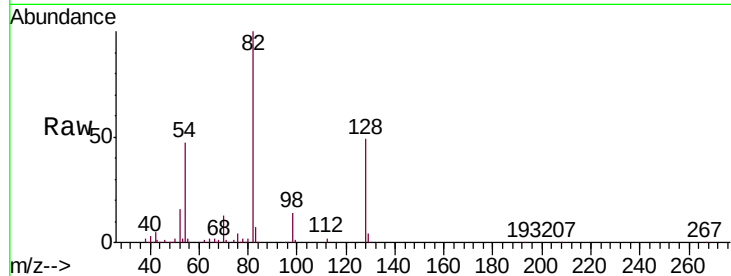




#23
 Nitrobenzene-d5
 Concen: 53.023 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BG042376.D
 Acq: 21 Aug 2019 3:00

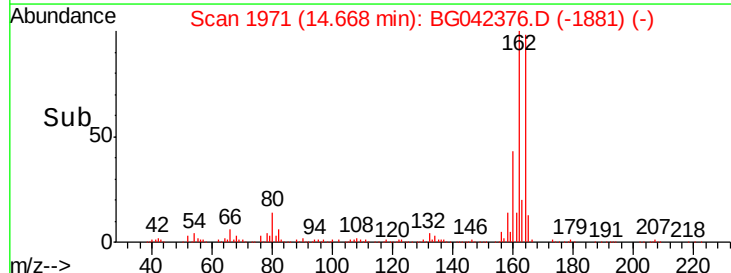
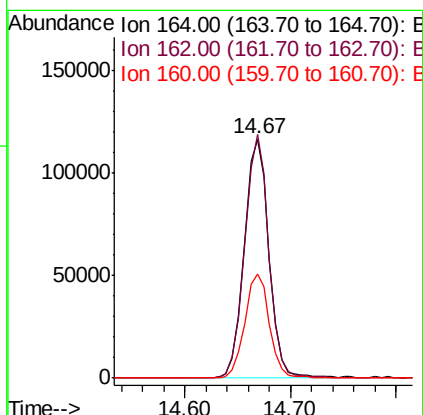
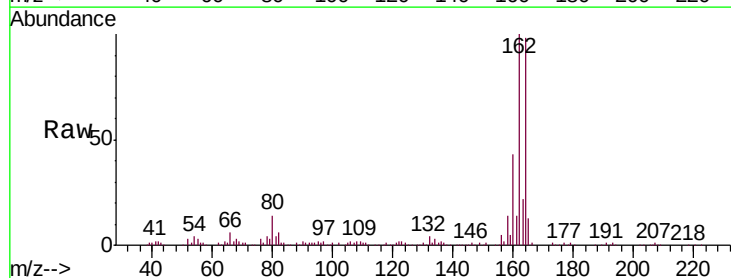
Instrument :
 BNA_G
 ClientSampled :
 T4-F-(0-2)

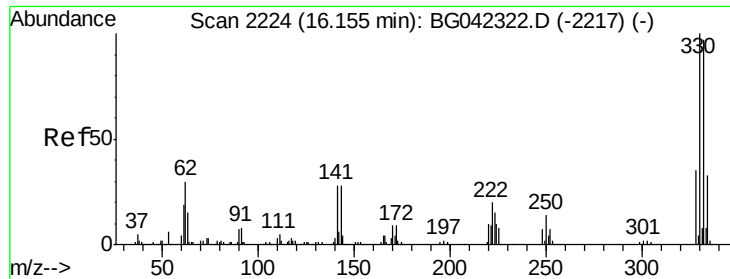
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.6	41.0	61.4
54	47.3	38.0	57.0



#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

Tgt 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

Instrument :

BNA_G

ClientSampleId :

T4-F-(0-2)

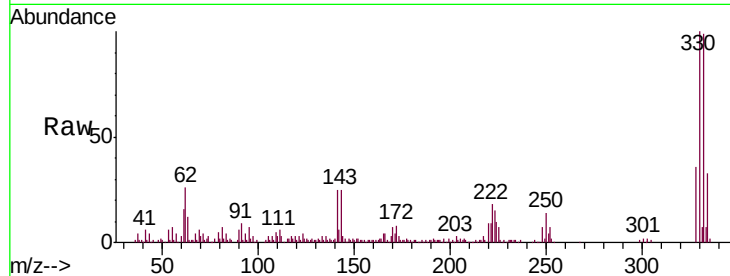
Tot Ion:330 Resp: 192695

Ion Ratio Lower Upper

330 100

332 96.6 76.9 115.3

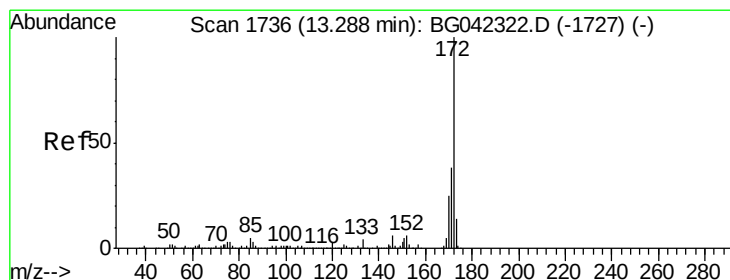
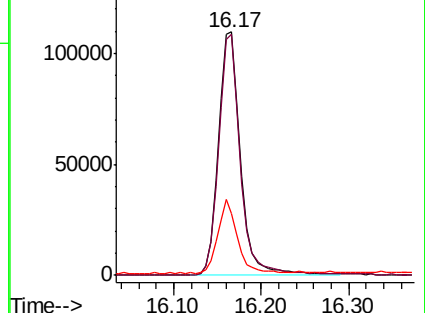
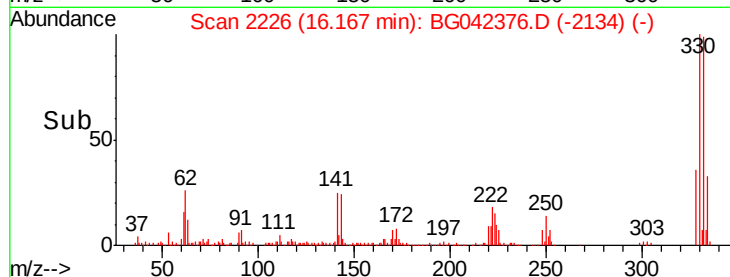
141 26.7 21.8 32.6



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: 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

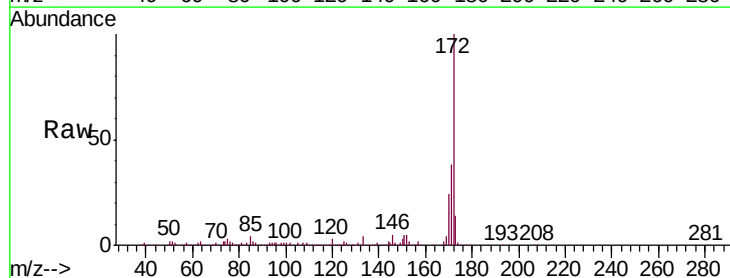
Tgt Ion:172 Resp: 568309

Ion Ratio Lower Upper

172 100

171 37.8 30.3 45.5

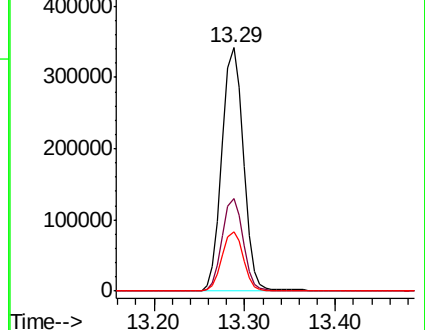
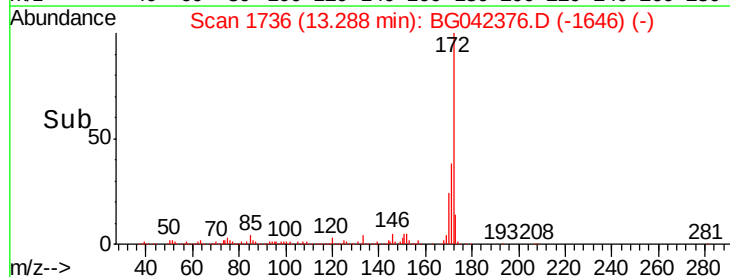
170 24.1 20.0 30.0

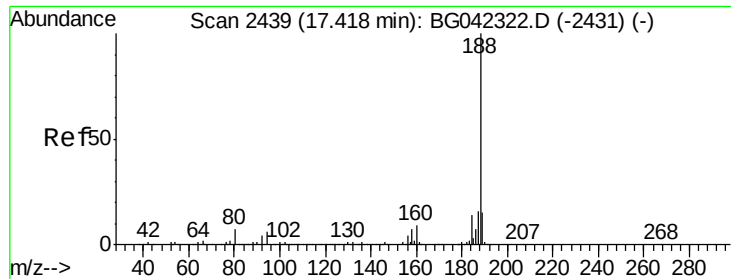


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#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

Instrument :

BNA_G

ClientSampleId :

T4-F-(0-2)

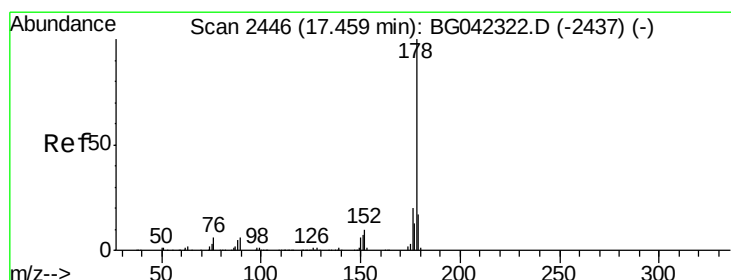
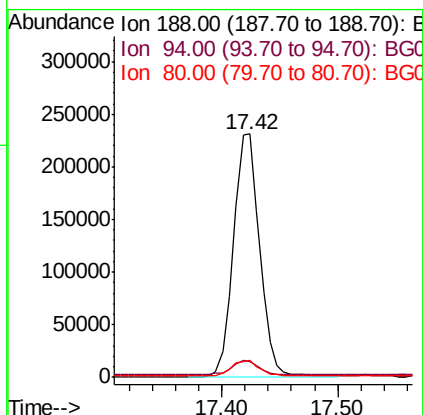
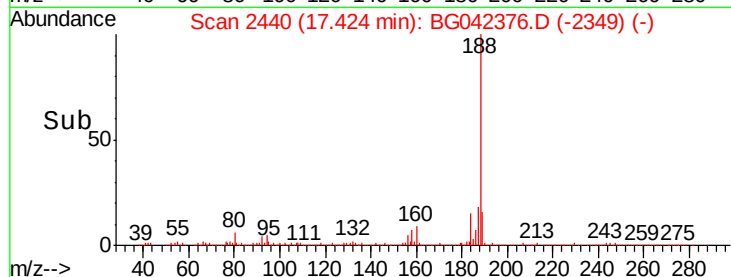
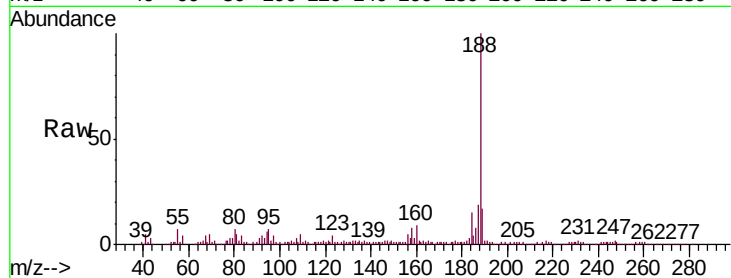
Tot Ion:188 Resp: 361600

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

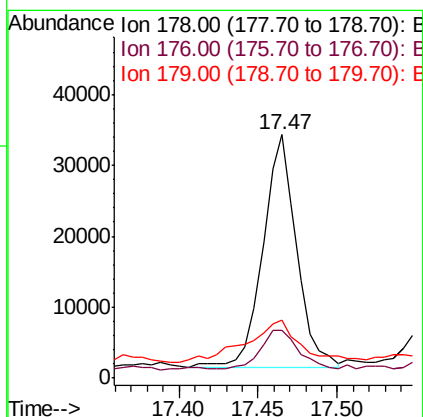
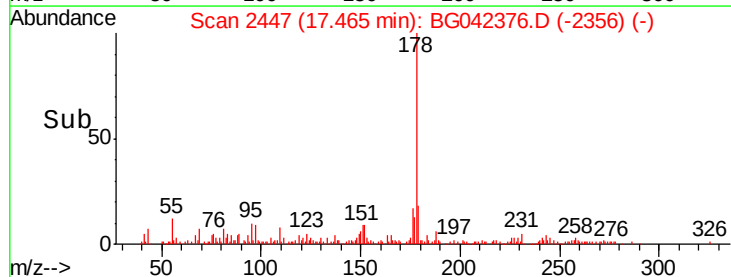
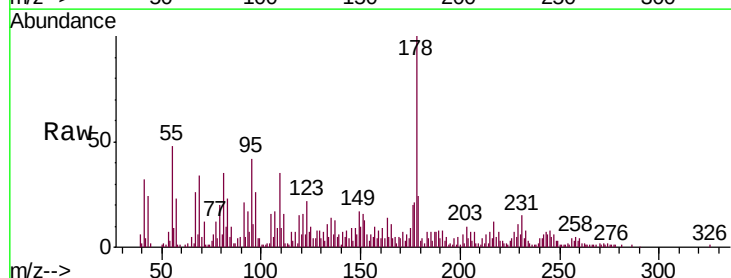
Tgt Ion:178 Resp: 48705

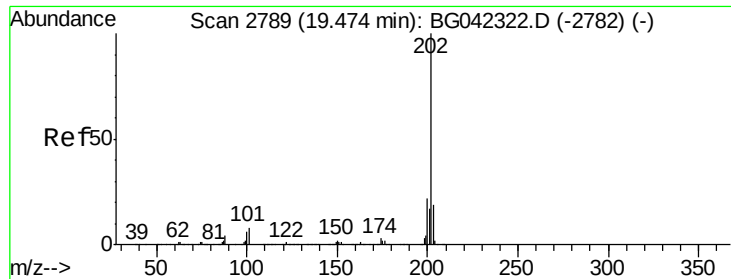
Ion Ratio Lower Upper

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

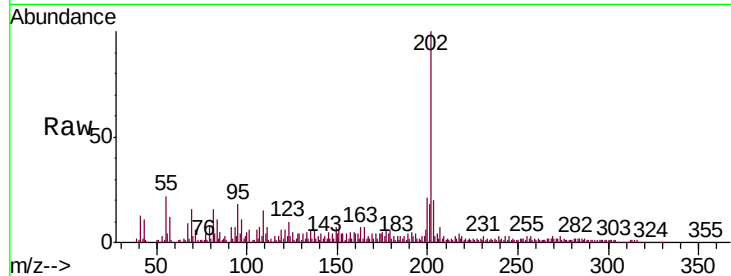
Instrument :

BNA_G

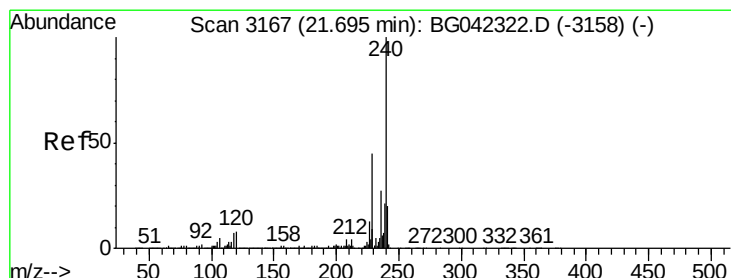
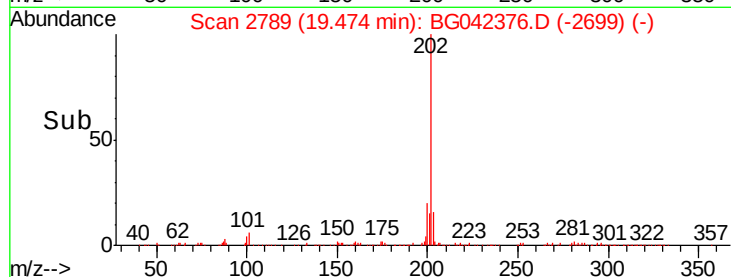
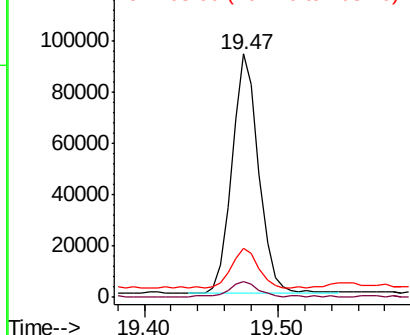
ClientSampleId :

T4-F-(0-2)

Tot Ion:	202	Resp:	129371
Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	28.0
203	20.2	0.0	39.1



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

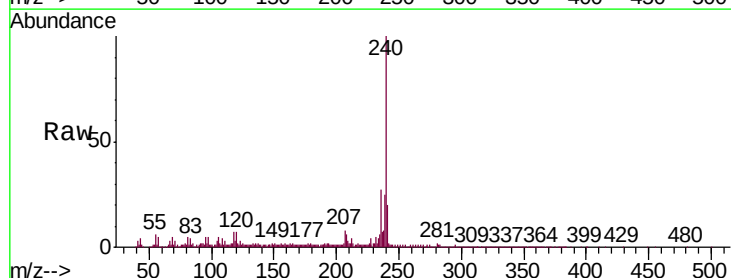
RT: 21.70 min Scan# 3168

Delta R.T. 0.01 min

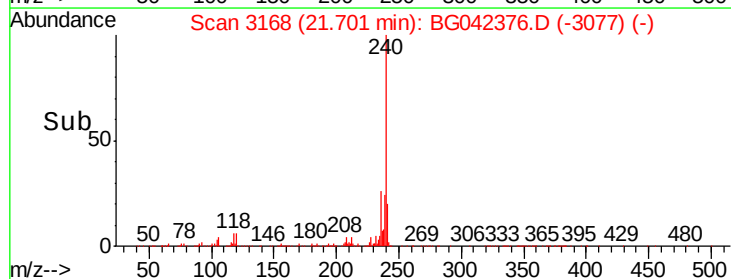
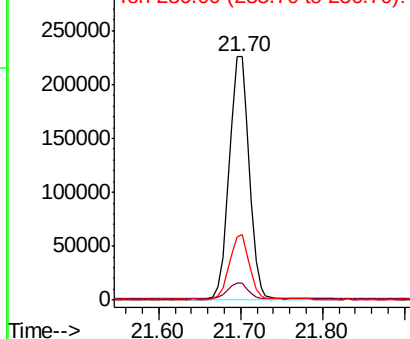
Lab File: BG042376.D

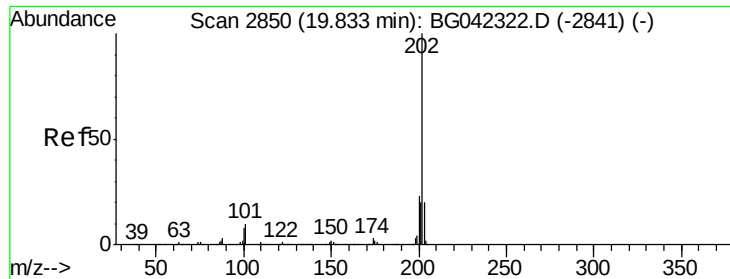
Acq: 21 Aug 2019 3:00

Tgt 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

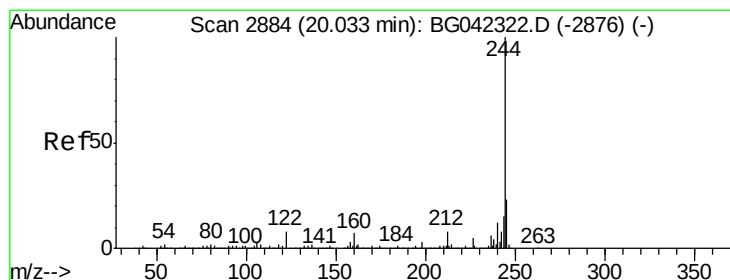
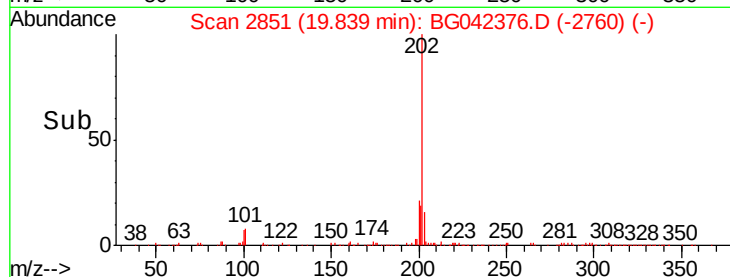
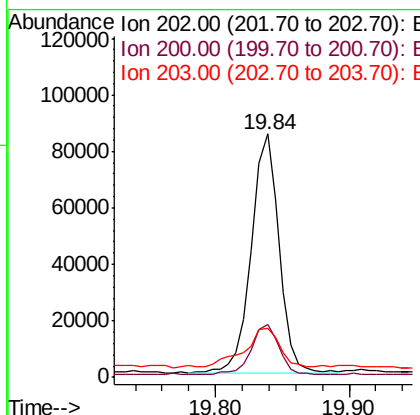
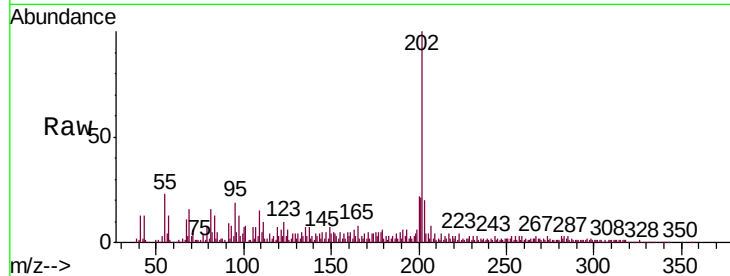




#78
Pvrene
Concen: 5.152 ng
RT: 19.84 min Scan# 2851
Delta R.T. 0.01 min
Lab File: BG042376.D
Acq: 21 Aug 2019 3:00

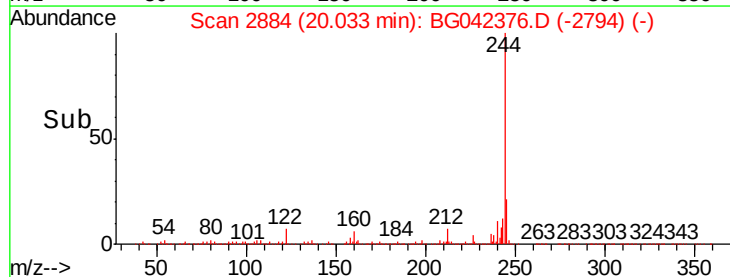
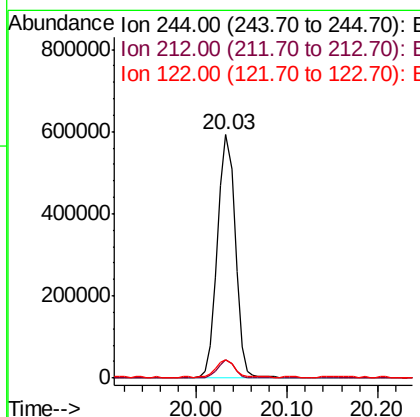
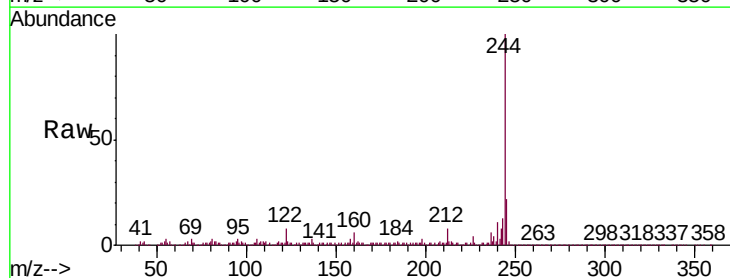
Instrument :
BNA_G
ClientSampleId :
T4-F-(0-2)

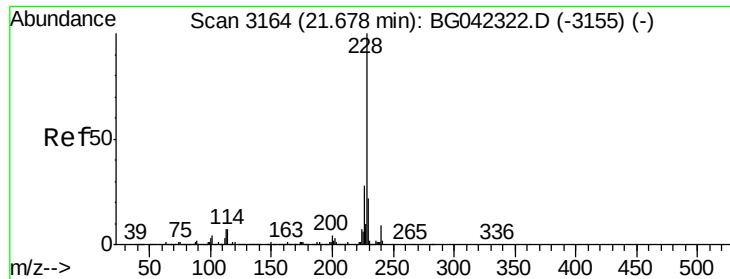
Tot Ion:	202	Resp:	121577
Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.1	27.1
203	20.2	15.8	23.8



#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

Tgt Ion:	244	Resp:	803458
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.4	9.6
122	7.6	6.6	10.0





#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

Instrument :

BNA_G

ClientSampleId :

T4-F-(0-2)

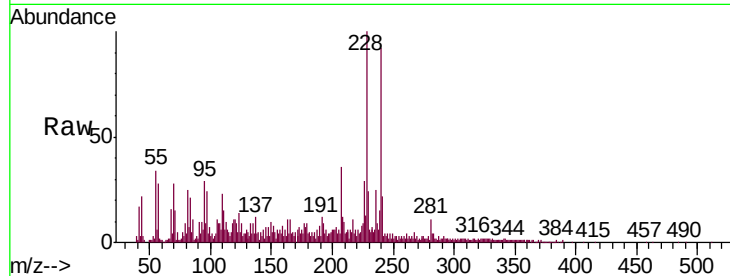
Tot Ion:228 Resp: 71278

Ion Ratio Lower Upper

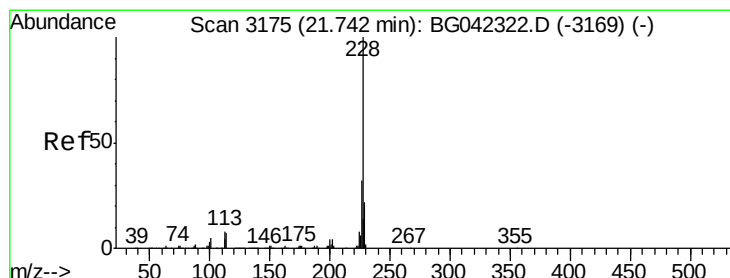
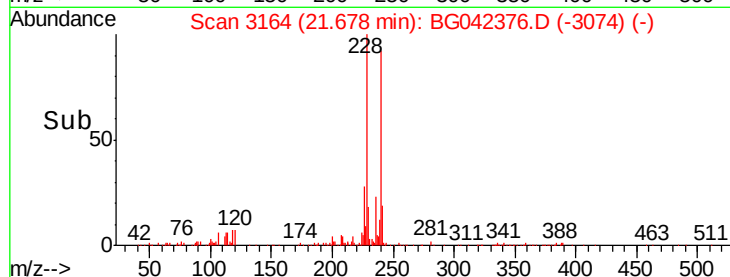
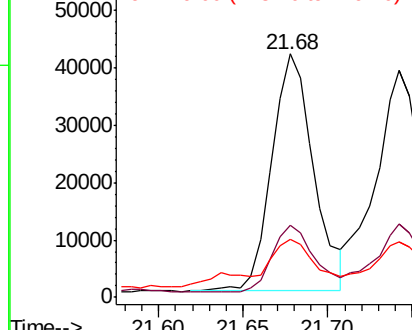
228 100

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

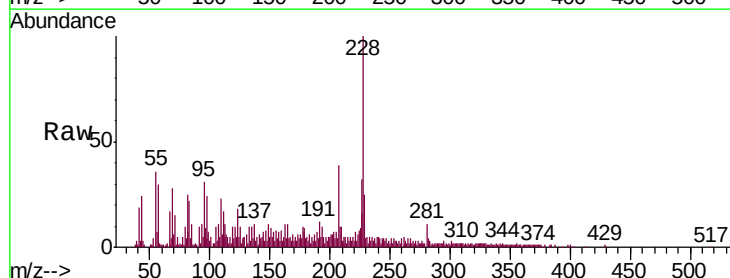
Tgt Ion:228 Resp: 71098

Ion Ratio Lower Upper

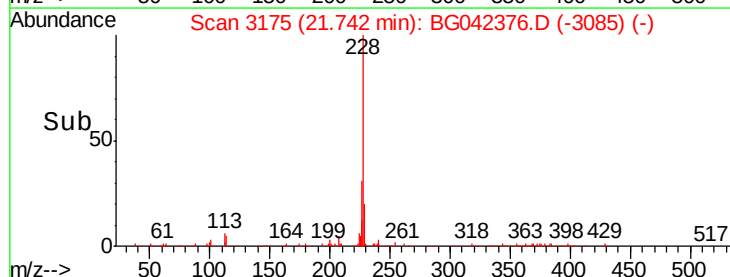
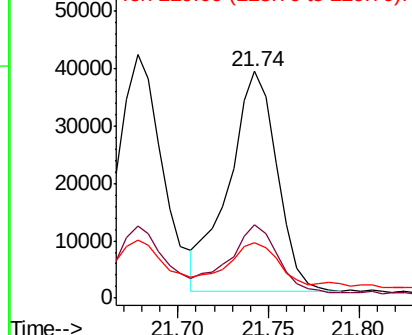
228 100

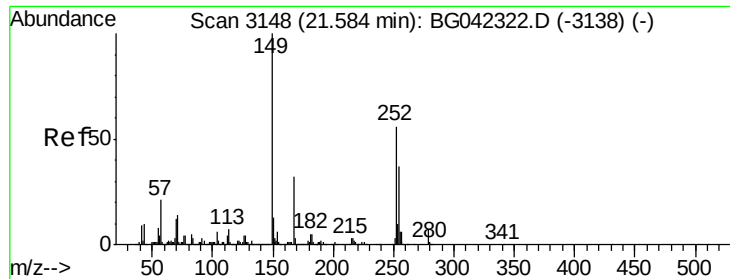
226 32.3 25.6 38.4

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

Instrument :

BNA_G

ClientSampleId :

T4-F-(0-2)

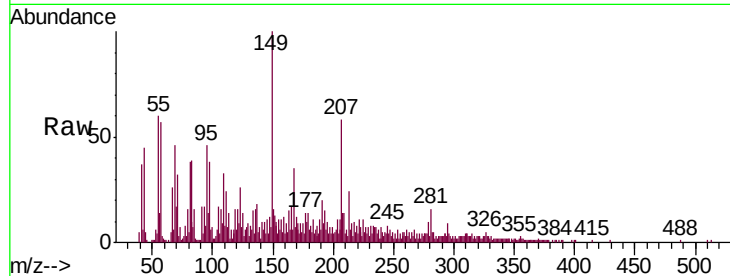
Tot Ion:149 Resp: 33082

Ion Ratio Lower Upper

149 100

167 34.5 25.4 38.0

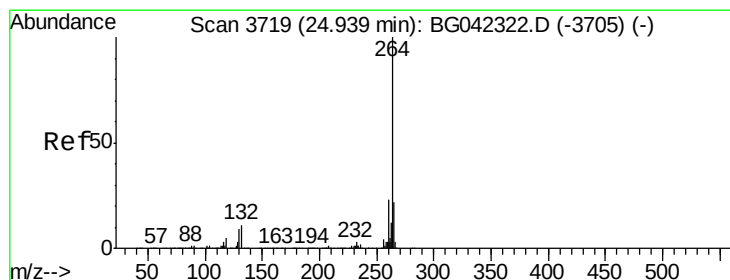
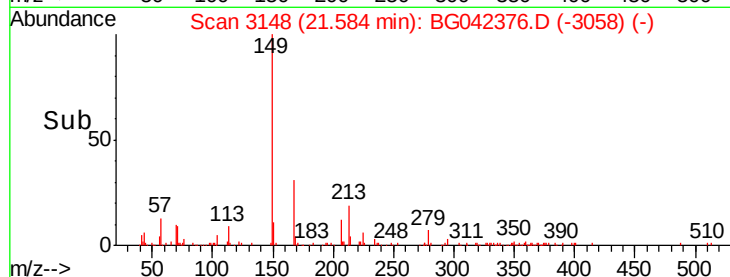
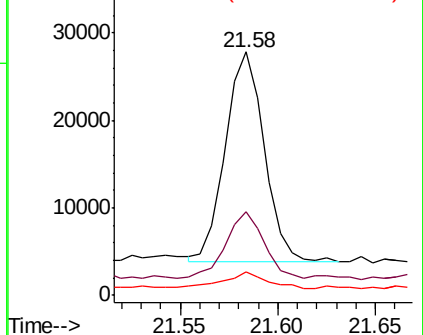
279 9.8 5.8 8.6#



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

Perylene-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

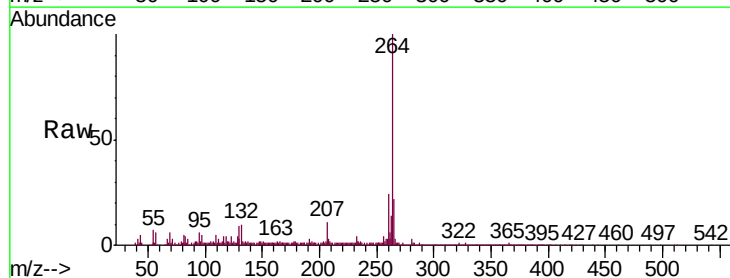
Tgt Ion:264 Resp: 462075

Ion Ratio Lower Upper

264 100

260 24.3 18.4 27.6

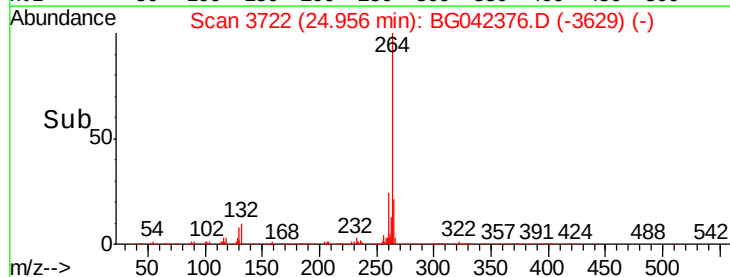
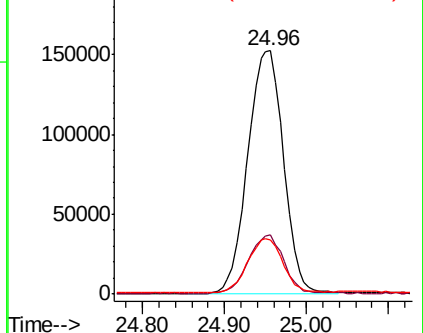
265 22.1 17.4 26.0

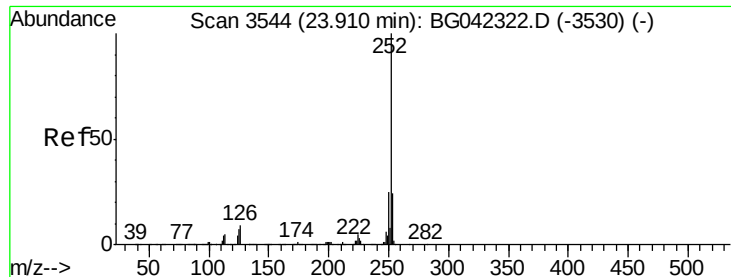


Abundance Ion 264.00 (263.70 to 264.70): E

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

Instrument :

BNA_G

ClientSampleId :

T4-F-(0-2)

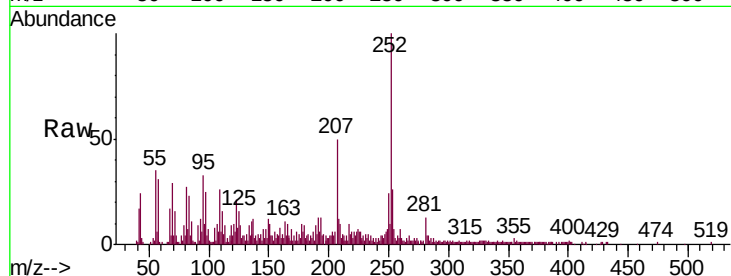
Tot Ion:252 Resp: 102464

Ion Ratio Lower Upper

252 100

253 26.2 18.9 28.3

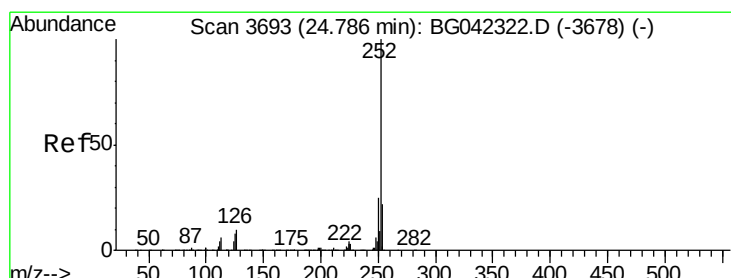
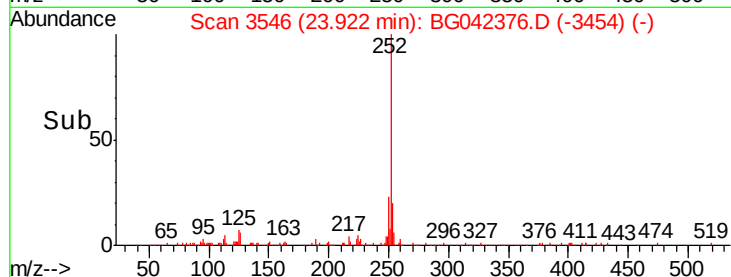
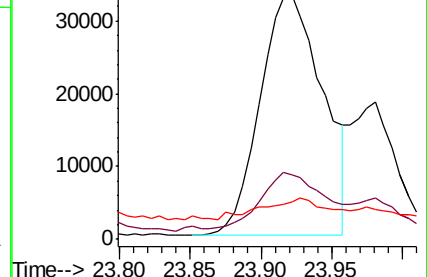
125 15.7 5.8 8.6#



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



#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

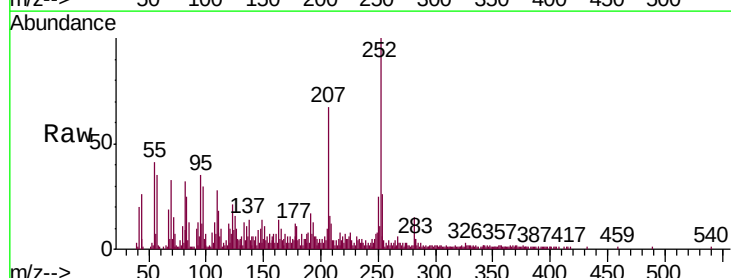
Tgt Ion:252 Resp: 75801

Ion Ratio Lower Upper

252 100

253 26.0 17.9 26.9

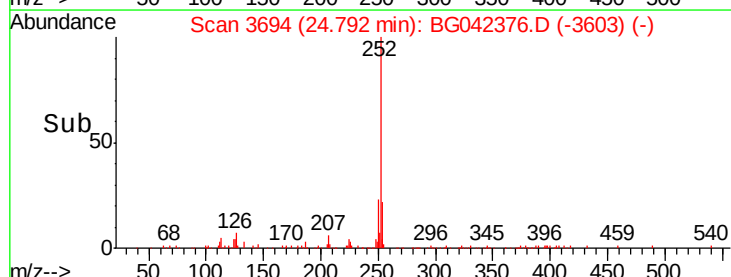
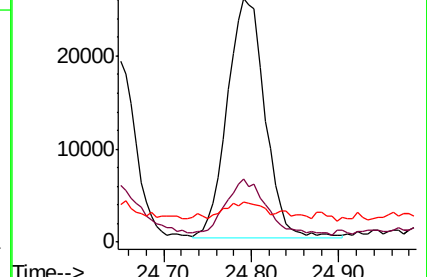
125 16.2 6.7 10.1#

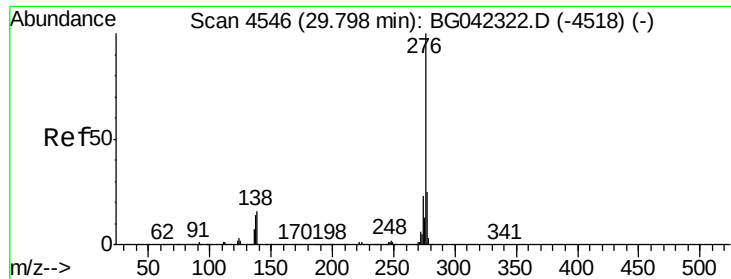


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(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 :

T4-F-(0-2)

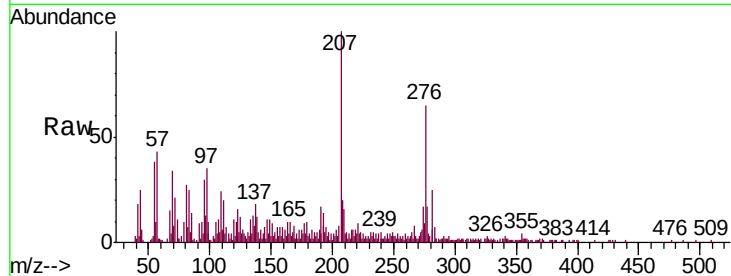
Tot Ion: 276 Resp: 53128

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

