

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042370.D
 Acq On : 20 Aug 2019 23:09
 Operator : HP/JU
 Sample : K4386-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T8-F-(0-2)

Manual Integrations
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 8/22/2019 12:49:23 PM

Quant Time: Aug 21 05:41:19 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	83425	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	319054	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	212920	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	418275	20.00	ng	0.00
76) Chrysene-d12	21.69	240	414844	20.00	ng	0.00
87) Perylene-d12	24.95	264	488611	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	373397	90.68	ng	0.00
7) Phenol-d6	7.17	99	520794	93.13	ng	0.00
23) Nitrobenzene-d5	9.17	82	305605	67.37	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	260340	89.77	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	784165	62.32	ng	0.00
79) Terphenyl-d14	20.03	244	1053763	55.64	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.11	163	38476	2.543	ng	99
71) Phenanthrene	17.46	178	120975	5.807	ng	96
75) Fluoranthene	19.47	202	292311	11.636	ng	97
78) Pyrene	19.83	202	268790	10.530	ng	98
81) Benzo(a)anthracene	21.67	228	180337	7.079	ng	98
83) Chrysene	21.74	228	162916	6.685	ng	98
84) Bis(2-ethylhexyl)phthalate	21.58	149	51092	3.622	ng	99
86) Indeno(1,2,3-cd)pyrene	28.65	276	101552	3.121	ng	97
88) Benzo(b)fluoranthene	23.91	252	212222	7.902	ng	# 96
89) Benzo(k)fluoranthene	23.97	252	82715m	3.151	ng	
90) Benzo(a)pyrene	24.79	252	155062	6.025	ng	# 91
92) Benzo(a,h,i)perylene	29.81	276	101785	3.979	ng	97

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

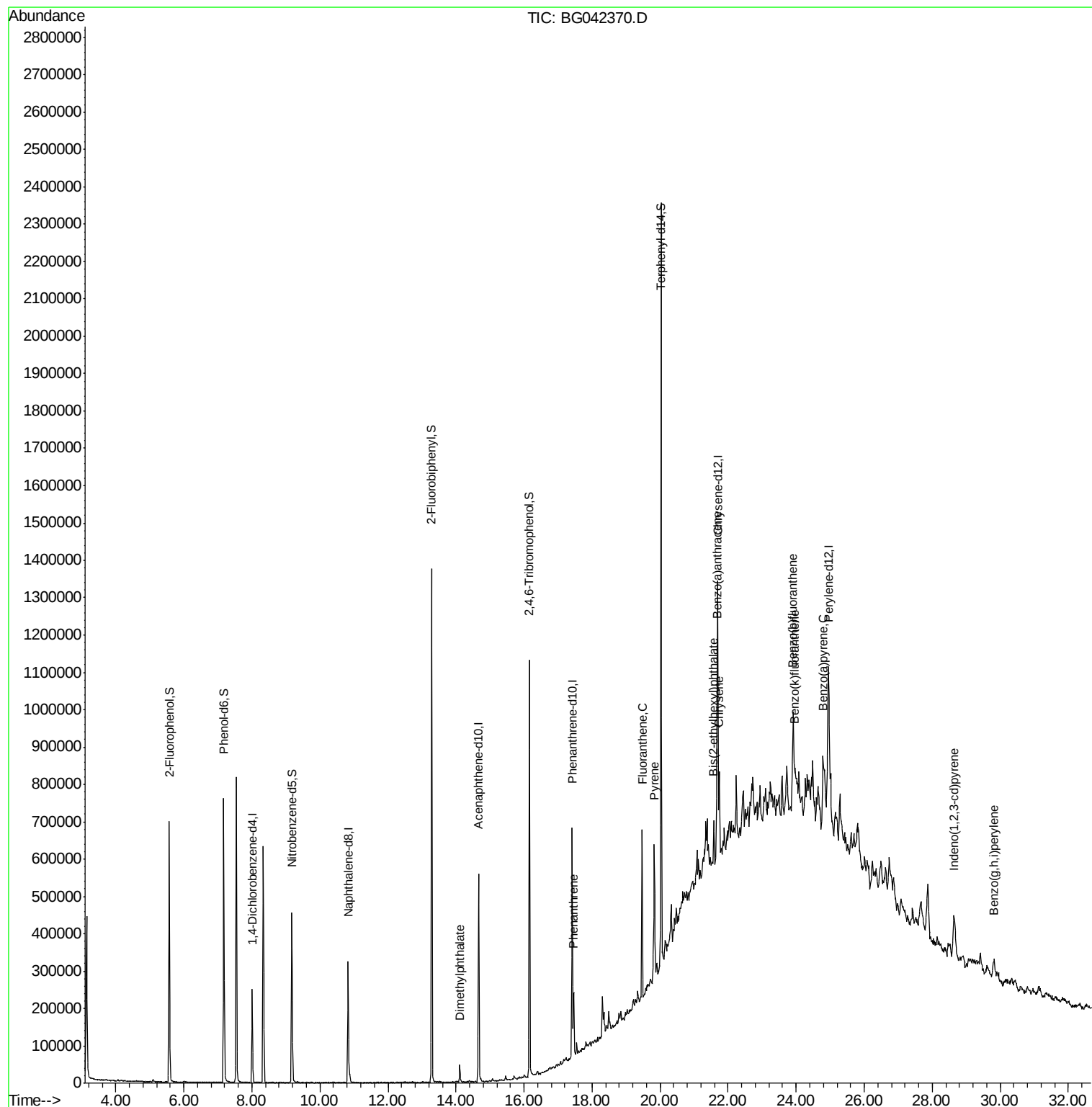
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
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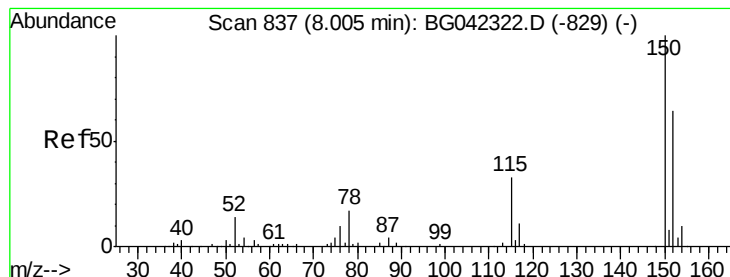
Instrument :
BNA_G
ClientSampleId :
T8-F-(0-2)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
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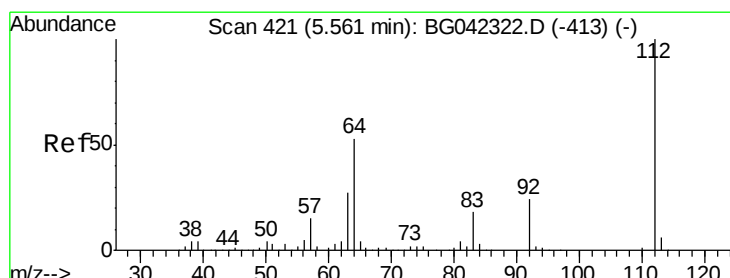
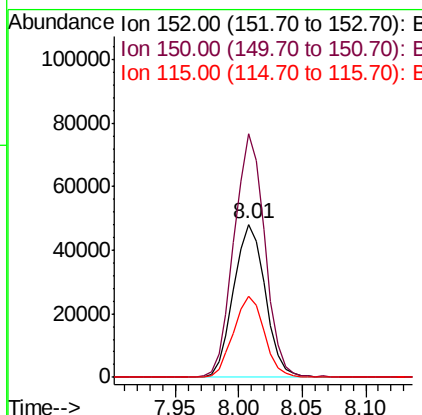
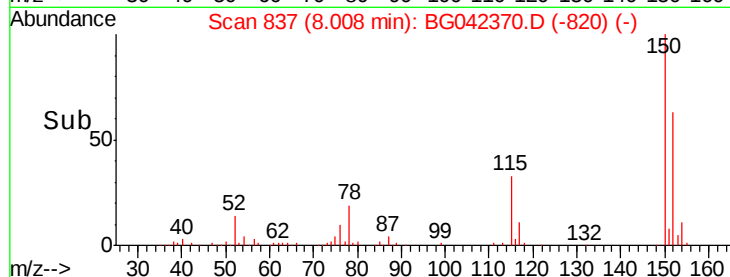
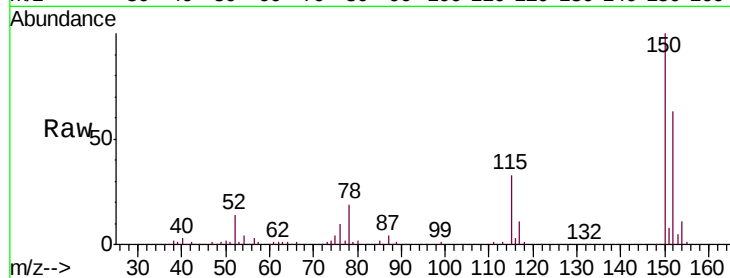
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BG042370.D
 Acq: 20 Aug 2019 23:09

Instrument :
 BNA_G
 ClientSampled :
 T8-F-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.3	186.5
115	52.8	40.5	60.7

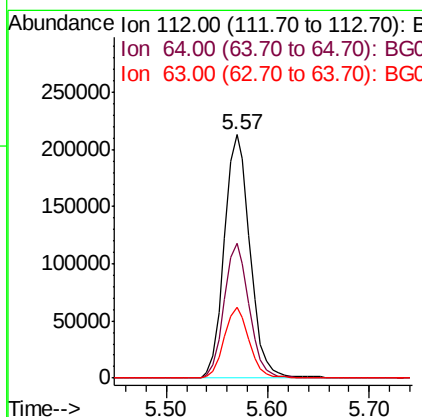
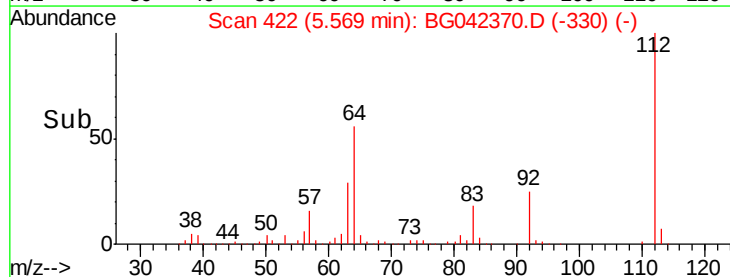
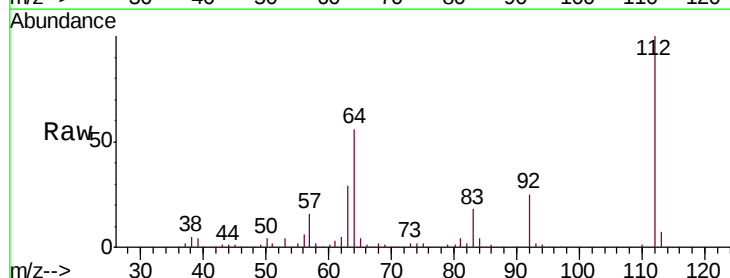
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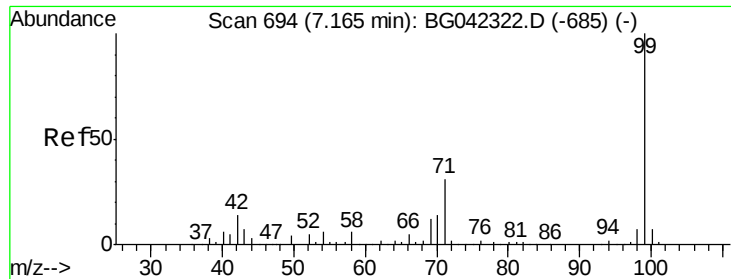
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#5
 2-Fluorophenol
 Concen: 90.685 ng
 RT: 5.57 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: BG042370.D
 Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	42.5	63.7
63	28.8	21.7	32.5





#7

Phenol-d6

Concen: 93.130 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

Instrument :

BNA_G

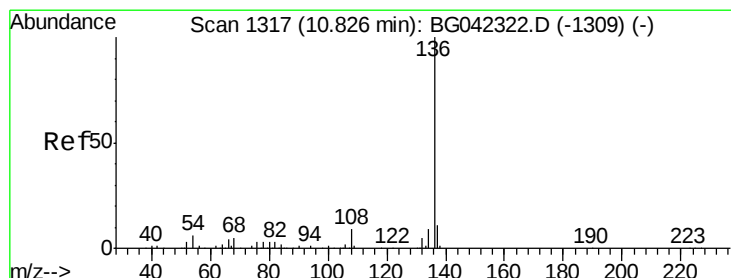
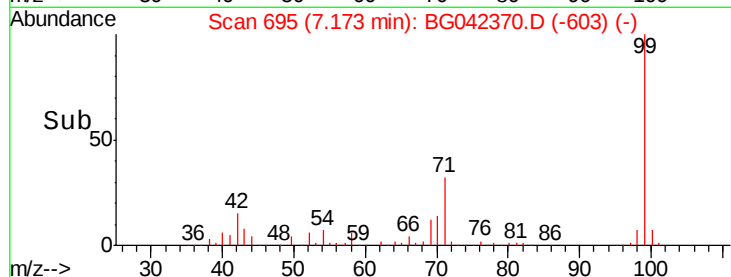
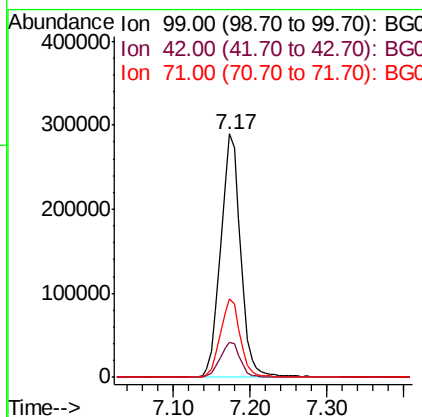
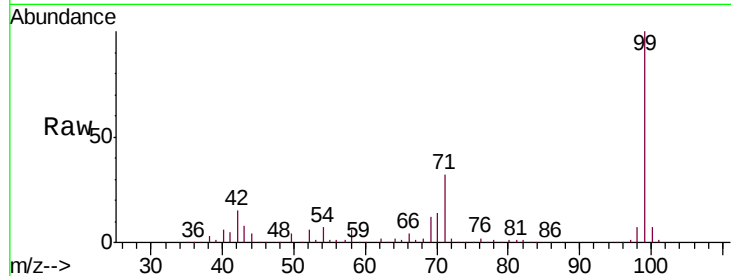
ClientSampleId :

T8-F-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
99	100	520794		
42	14.6		11.4	17.0
71	32.4		25.1	37.7

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#21

Naphthalene-d8

Concen: 20.000 ng

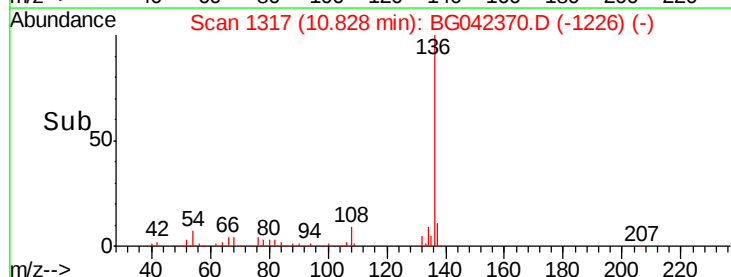
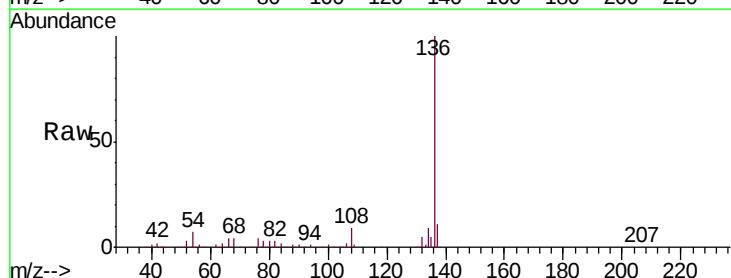
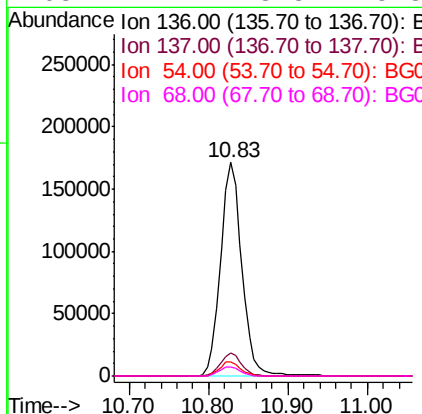
RT: 10.83 min Scan# 1317

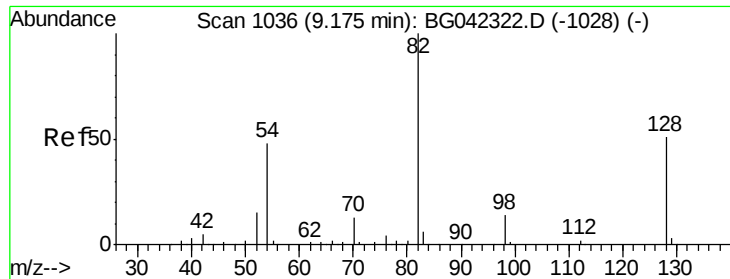
Delta R.T. 0.00 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	319054		
137	10.9		8.4	12.6
54	6.5		5.0	7.4
68	4.2		3.8	5.8





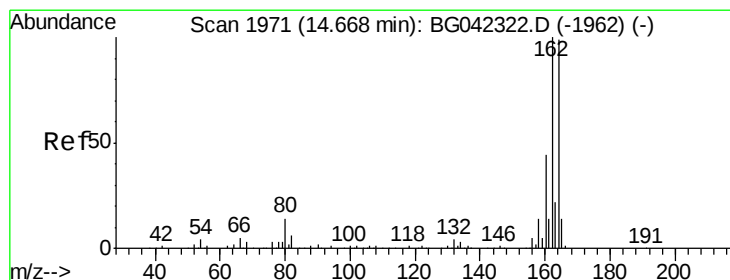
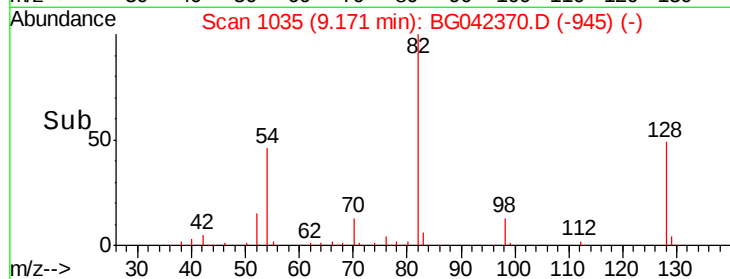
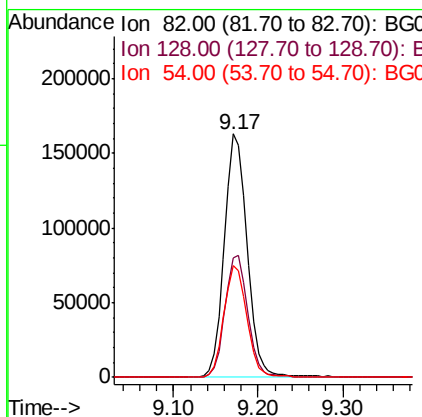
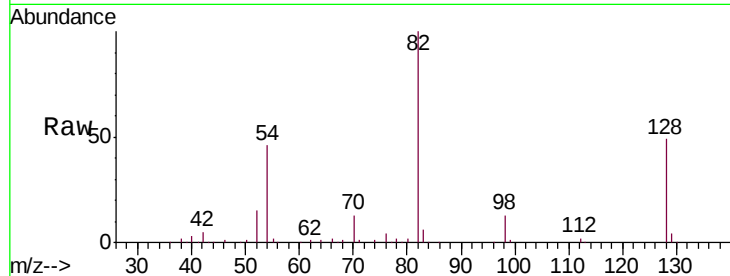
#23
 Nitrobenzene-d5
 Concen: 67.368 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG042370.D
 Acq: 20 Aug 2019 23:09

Instrument :
 BNA_G
 ClientSampled :
 T8-F-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.1	41.0	61.4	
54	45.8	38.0	57.0	

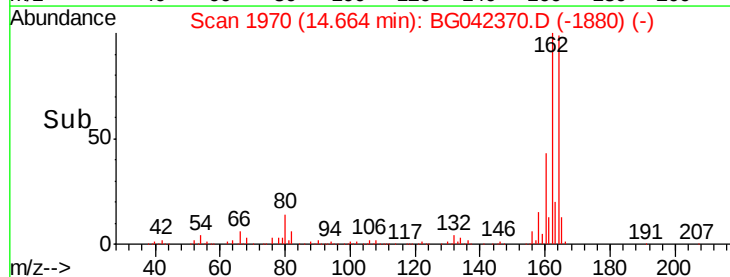
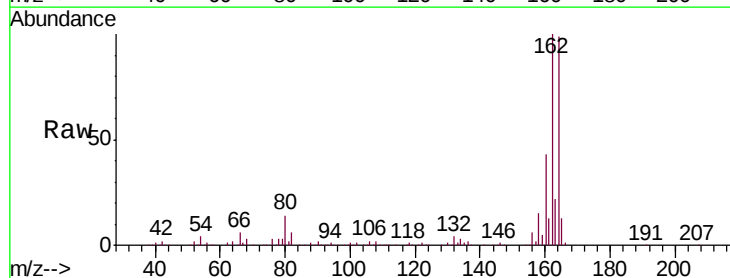
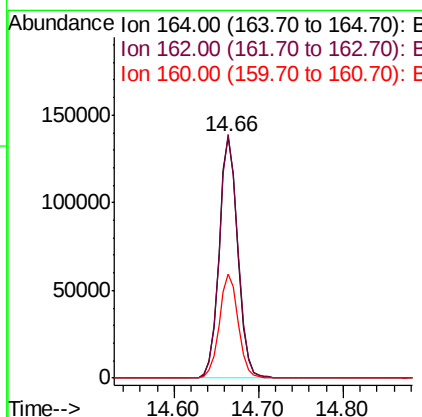
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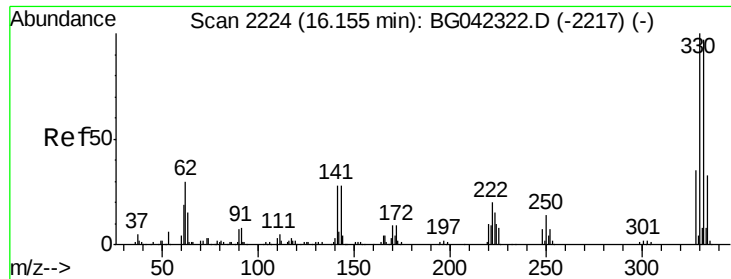
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: BG042370.D
 Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.7	80.6	120.8	
160	43.1	35.7	53.5	





#42

2,4,6-Tribromophenol

Concen: 89.775 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

Instrument :

BNA_G

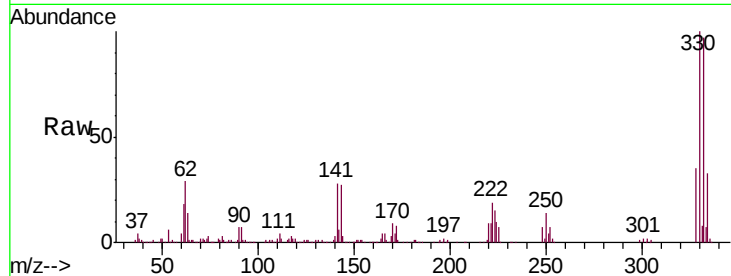
ClientSampleId :

T8-F-(0-2)

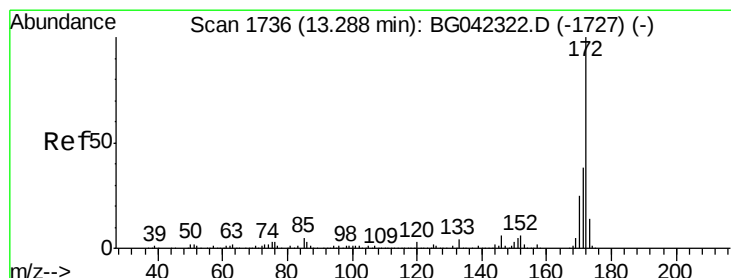
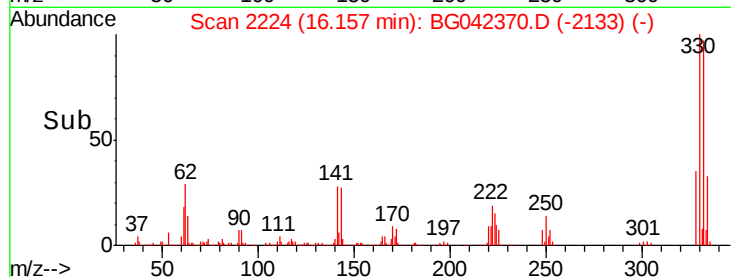
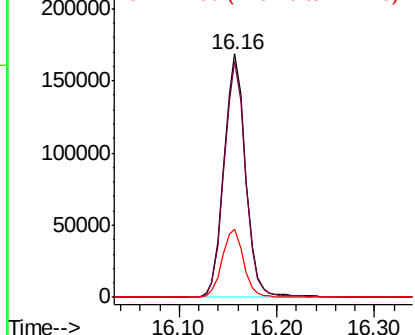
Tot Ion:	330	Resp:	260340
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.9	115.3
141	28.3	21.8	32.6

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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: 62.321 ng

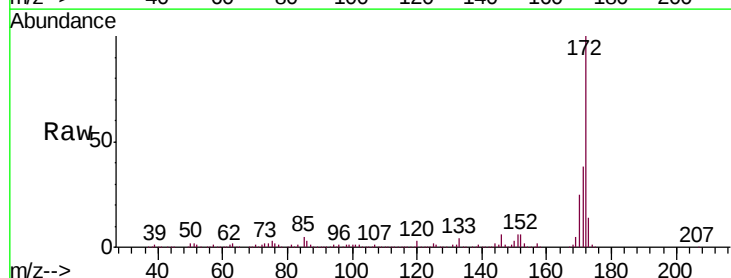
RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

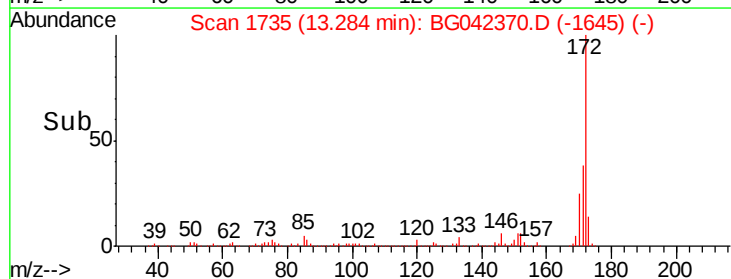
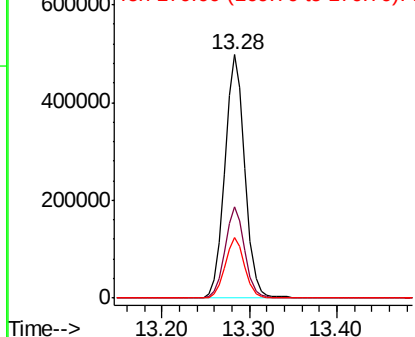
Lab File: BG042370.D

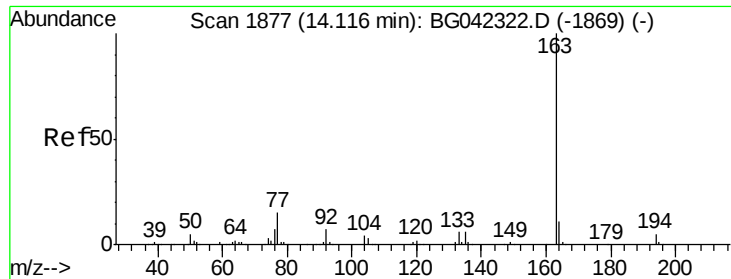
Acq: 20 Aug 2019 23:09

Tgt Ion:	172	Resp:	784165
Ion Ratio	Lower	Upper	
172	100		
171	37.7	30.3	45.5
170	24.9	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





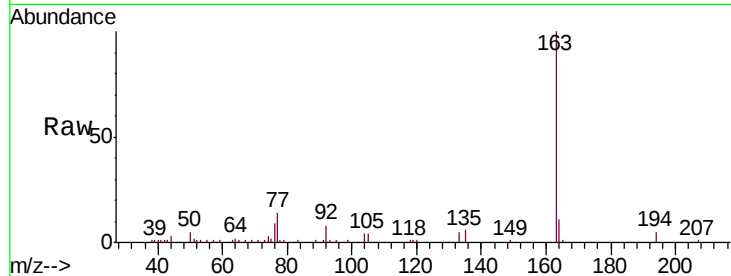
#50
Dimethylphthalate
Concen: 2.543 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Instrument :
BNA_G
ClientSampleId :
T8-F-(0-2)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	4.2	6.2
164	11.0	8.8	13.2

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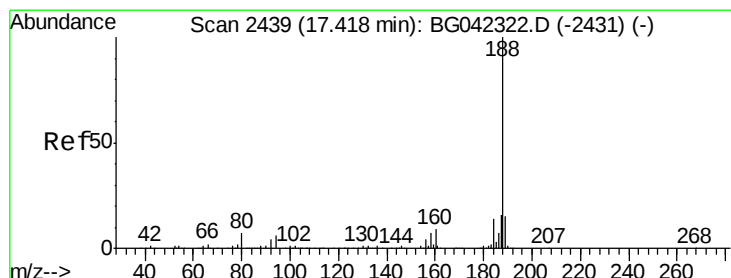
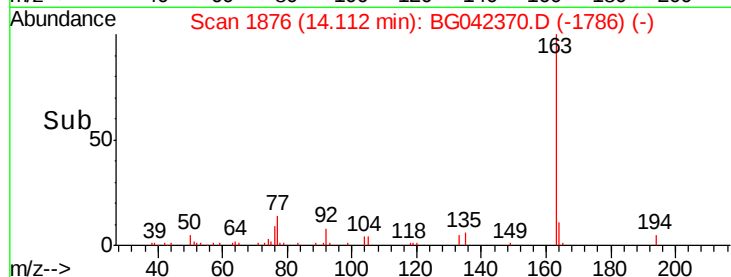
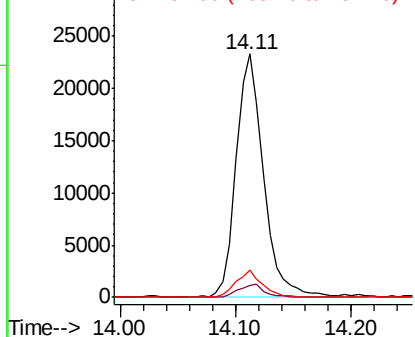


Abundance

Ion 163.00 (162.70 to 163.70): E

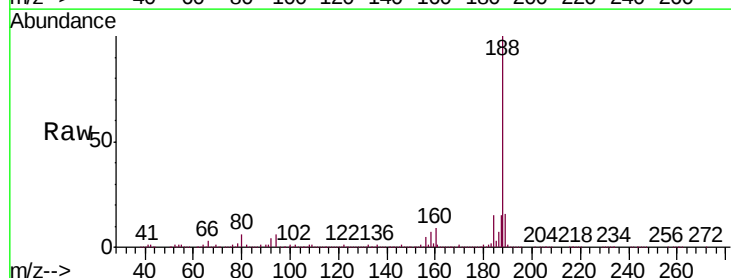
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.4	4.9	7.3
80	6.5	5.4	8.0

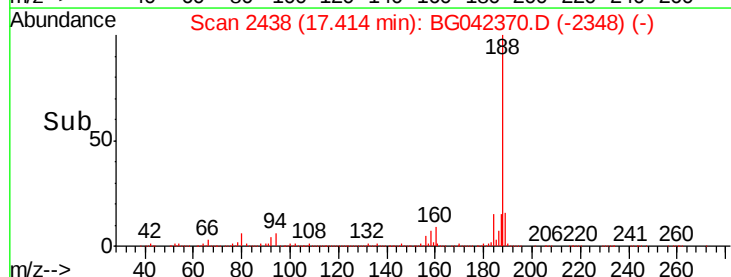
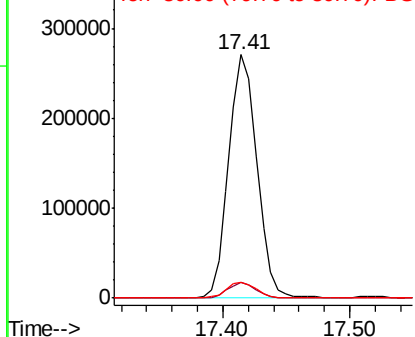


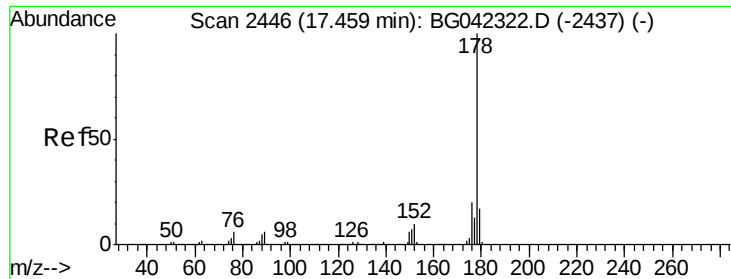
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG





#71

Phenanthrene

Concen: 5.807 ng

RT: 17.46 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

Instrument :

BNA_G

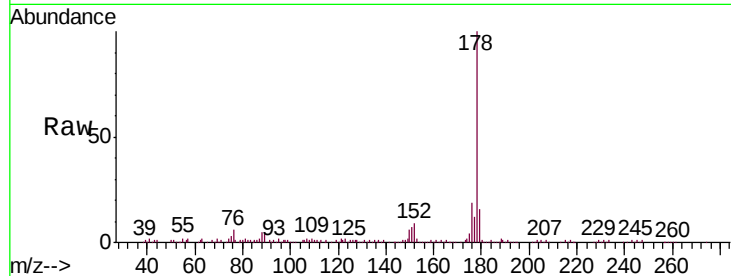
ClientSampleId :

T8-F-(0-2)

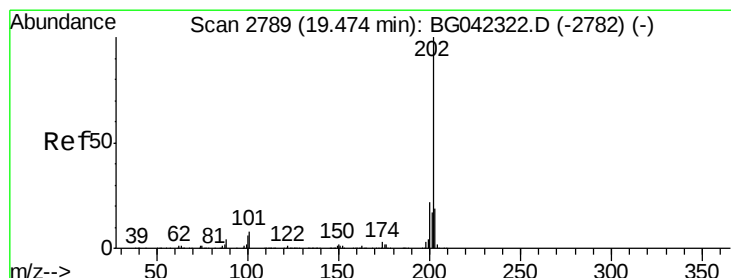
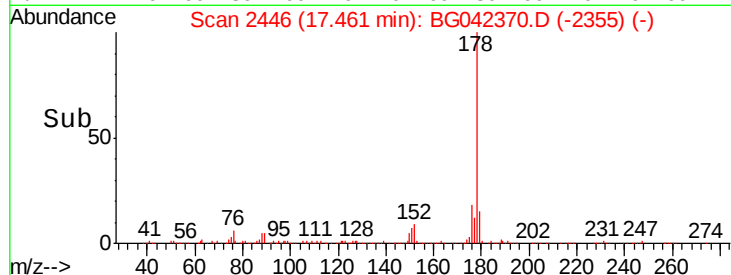
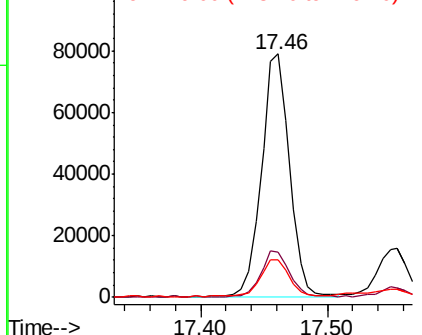
Tot Ion:178	Resp:	120975
Ion Ratio	Lower	Upper
178	100	
176	18.5	16.2 24.4
179	15.6	13.7 20.5

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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: 11.636 ng

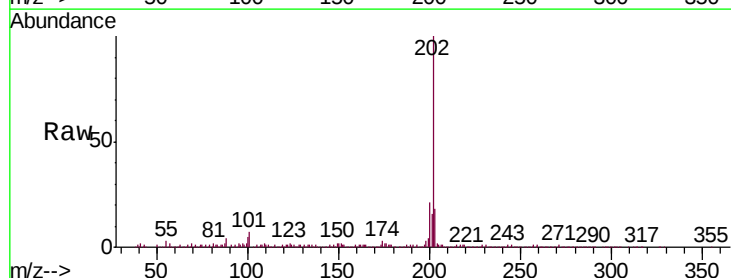
RT: 19.47 min Scan# 2788

Delta R.T. -0.00 min

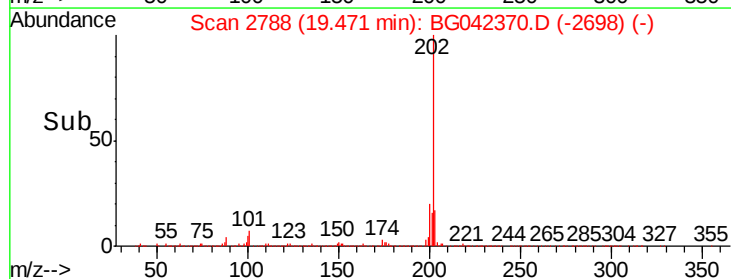
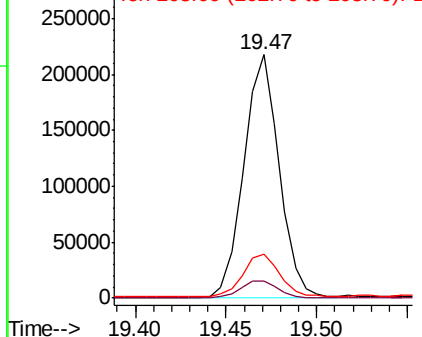
Lab File: BG042370.D

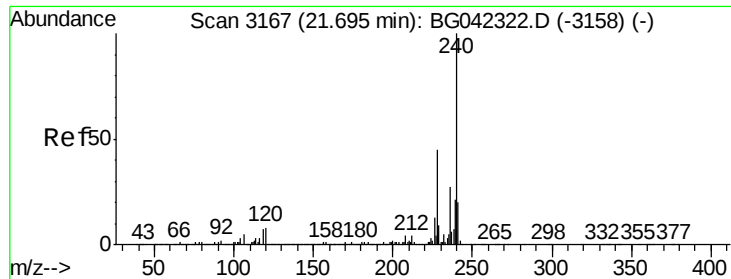
Acq: 20 Aug 2019 23:09

Tgt Ion:202	Resp:	292311
Ion Ratio	Lower	Upper
202	100	
101	6.9	0.0 28.0
203	17.9	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





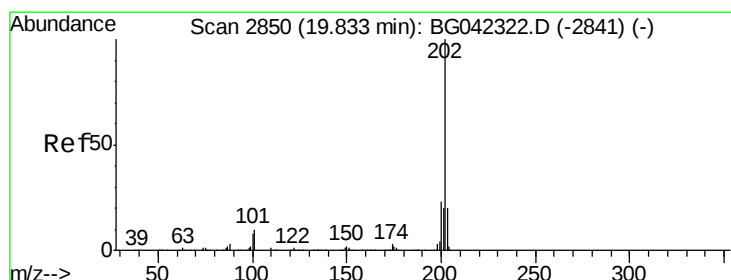
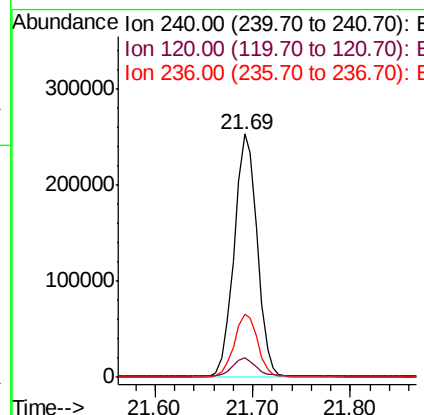
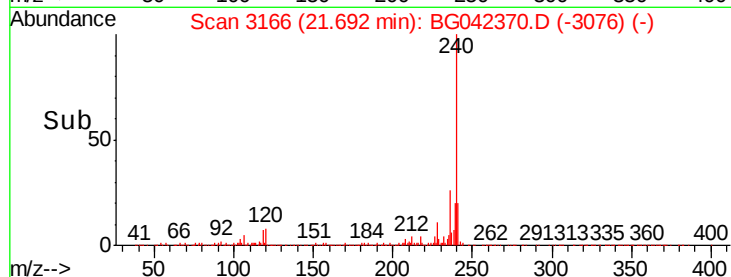
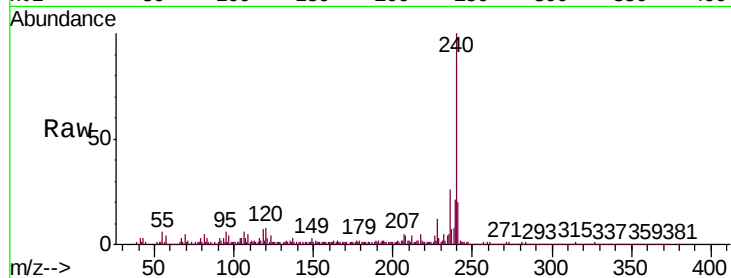
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Instrument :
BNA_G
ClientSampleId :
T8-F-(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.0	9.0
236	25.7	21.6	32.4

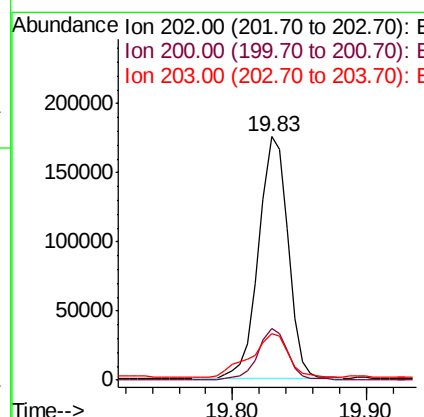
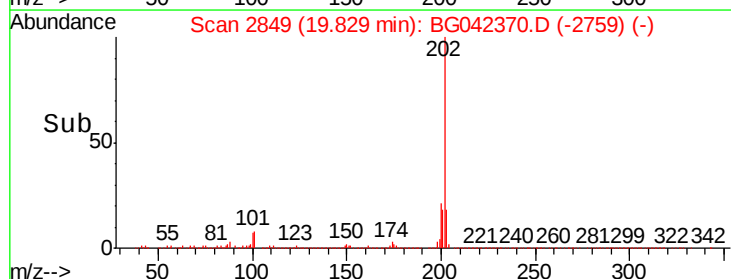
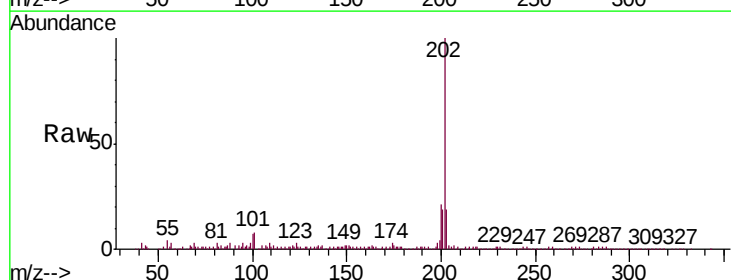
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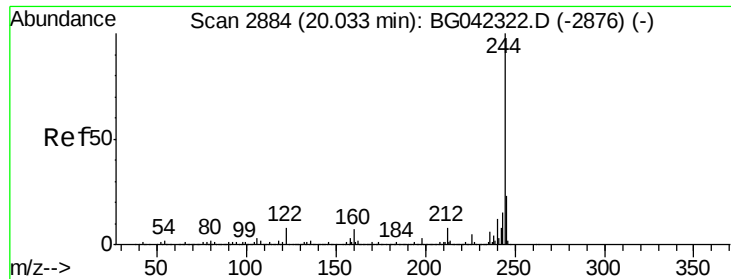
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#78
Pyrene
Concen: 10.530 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.1	27.1
203	19.0	15.8	23.8





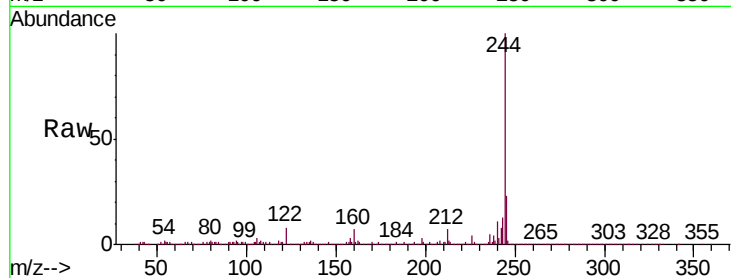
#79
 Terphenyl-d14
 Concen: 55.636 ng
 RT: 20.03 min Scan# 2883
 Delta R.T. -0.00 min
 Lab File: BG042370.D
 Acq: 20 Aug 2019 23:09

Instrument :
 BNA_G
 ClientSampleId :
 T8-F-(0-2)

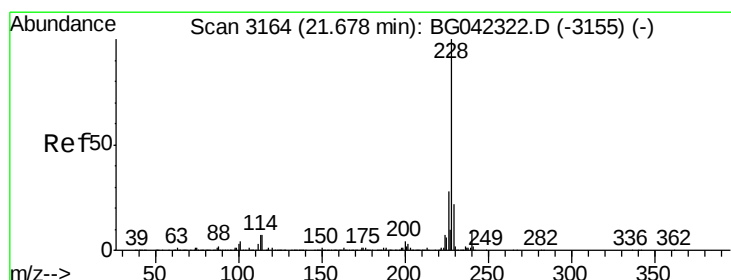
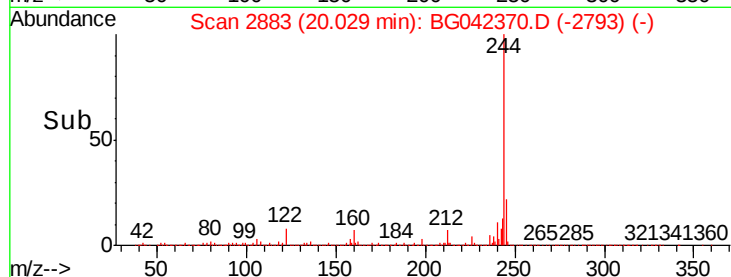
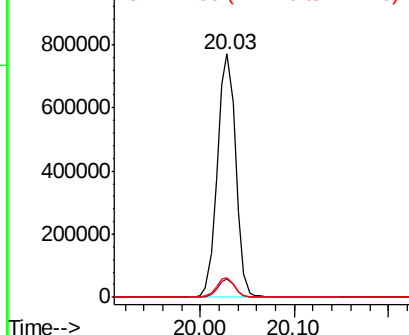
Tot Ion:244 Resp: 1053763
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.4 9.6
 122 7.9 6.6 10.0

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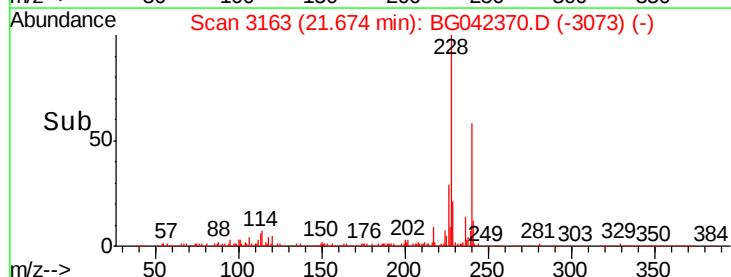
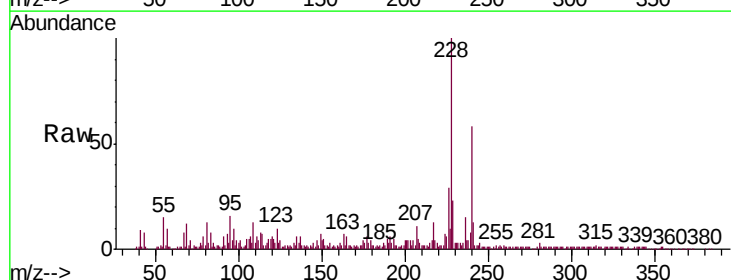
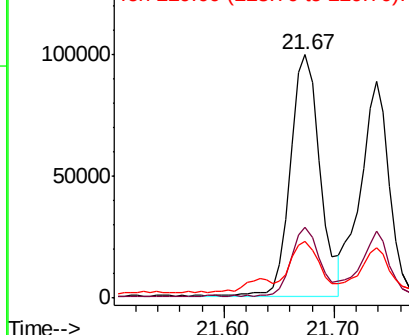
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

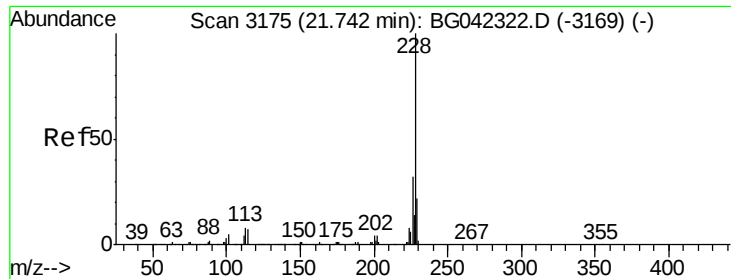


#81
 Benzo(a)anthracene
 Concen: 7.079 ng
 RT: 21.67 min Scan# 3163
 Delta R.T. -0.00 min
 Lab File: BG042370.D
 Acq: 20 Aug 2019 23:09

Tgt Ion:228 Resp: 180337
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.7 34.1
 229 23.3 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: 6.685 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

Instrument :

BNA_G

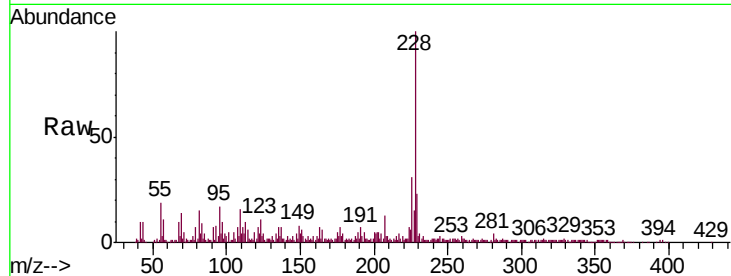
ClientSampleId :

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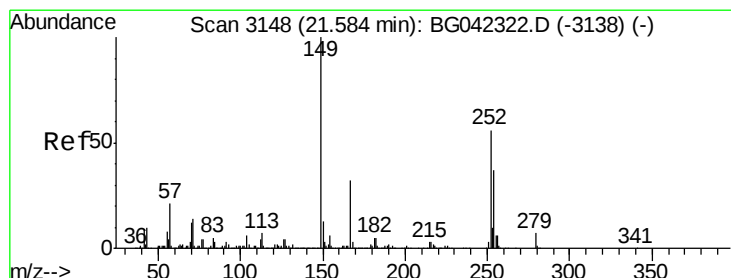
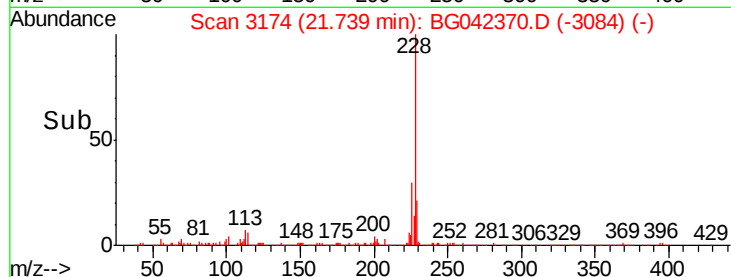
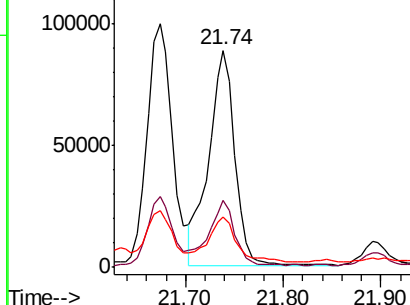
Tot Ion:	228	Resp:	162916
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.6	38.4
229	23.2	17.8	26.6

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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: 3.622 ng

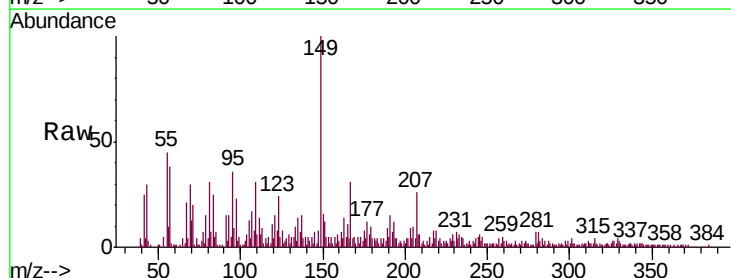
RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

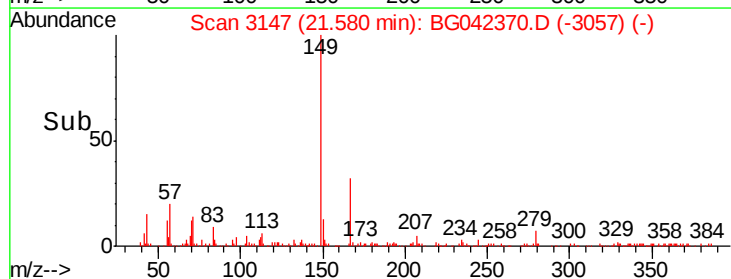
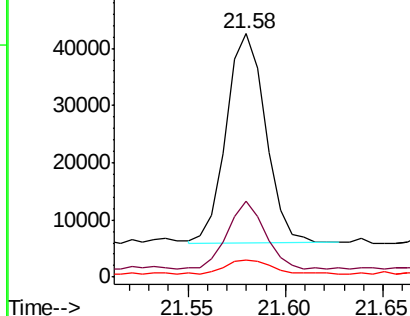
Lab File: BG042370.D

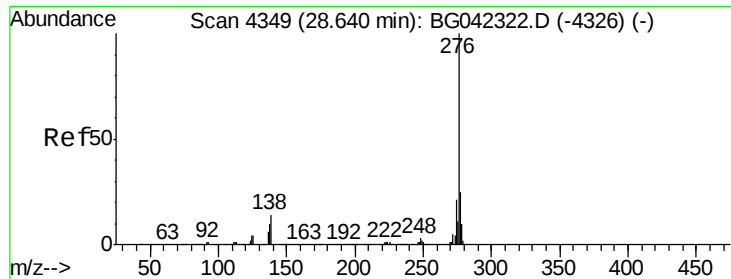
Acq: 20 Aug 2019 23:09

Tgt Ion:	149	Resp:	51092
Ion Ratio	Lower	Upper	
149	100		
167	31.3	25.4	38.0
279	7.0	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





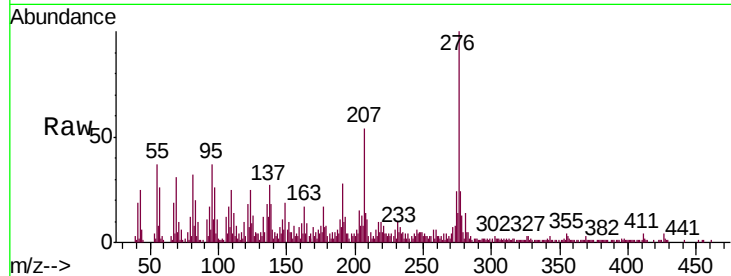
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.121 ng
RT: 28.65 min Scan# 4350
Delta R.T. 0.01 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Instrument :
BNA_G
ClientSampleId :
T8-F-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.6	14.5	21.7
277	25.2	21.0	31.4

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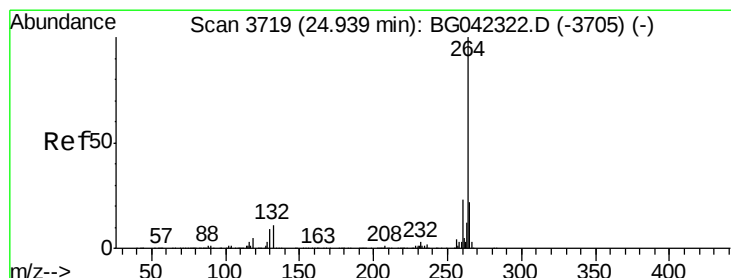
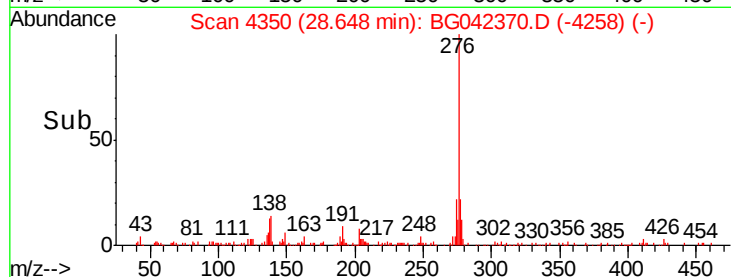
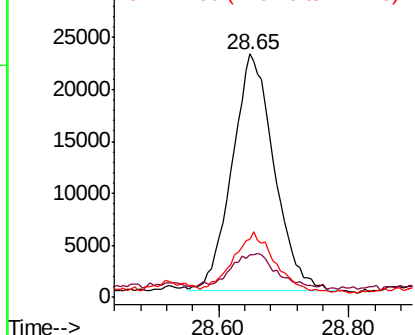


Abundance

Ion 276.00 (275.70 to 276.70): E

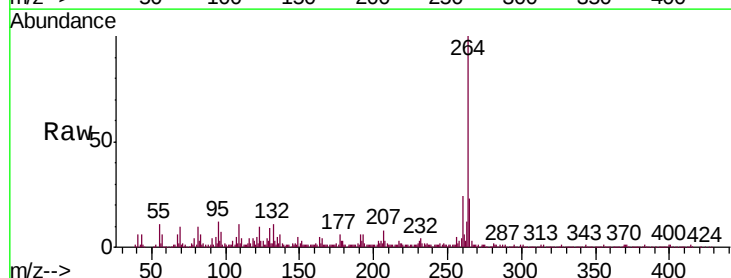
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.95 min Scan# 3720
Delta R.T. 0.01 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.4	27.6
265	22.6	17.4	26.0

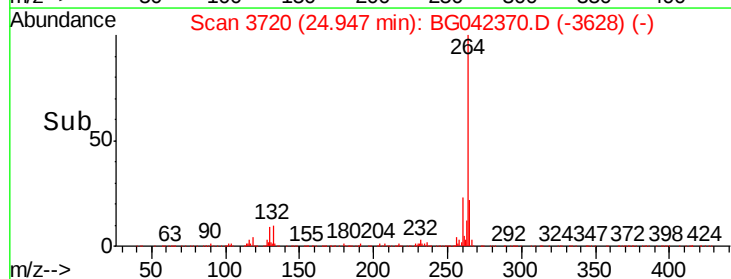
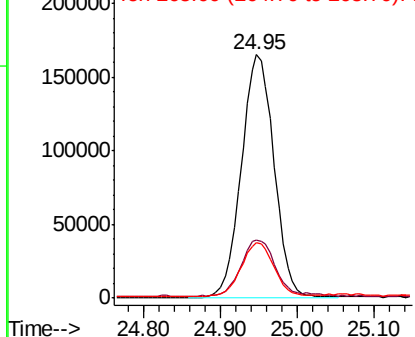


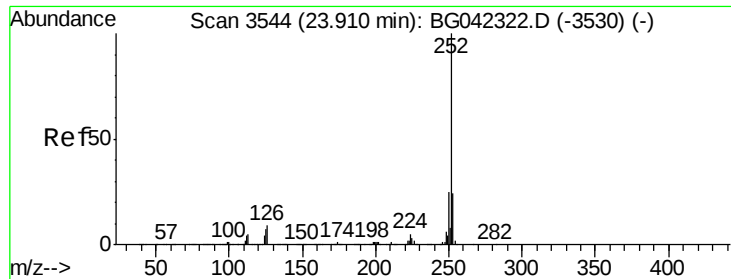
Abundance

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: 7.902 ng

RT: 23.91 min Scan# 3544

Delta R.T. 0.00 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

Instrument :

BNA_G

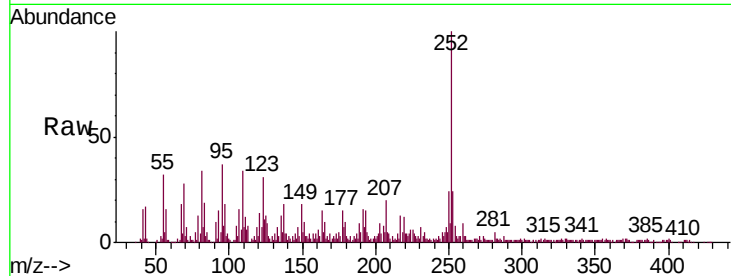
ClientSampled :

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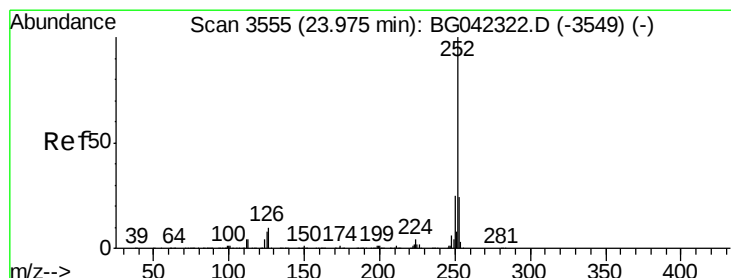
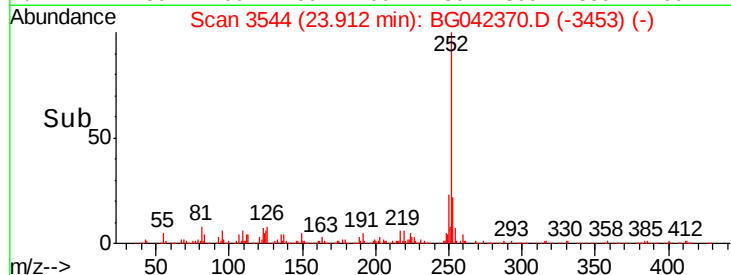
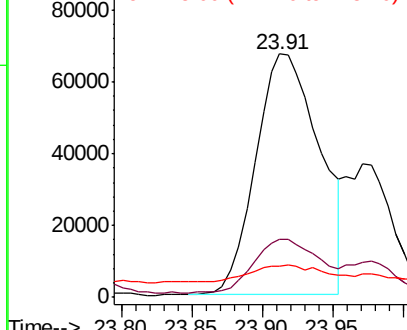
Tot Ion:	252	Resp:	212222
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.9	28.3
125	12.6	5.8	8.6#

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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: 3.151 ng m

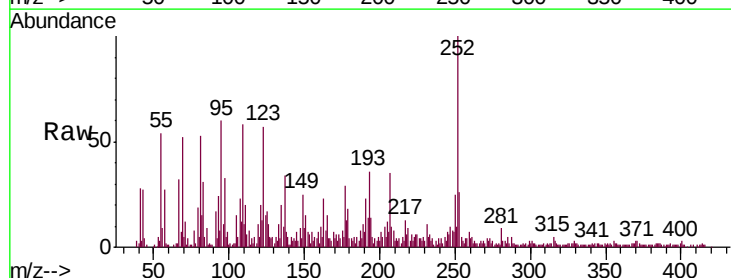
RT: 23.97 min Scan# 3554

Delta R.T. -0.00 min

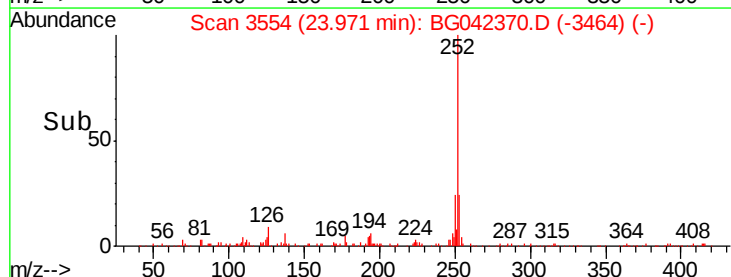
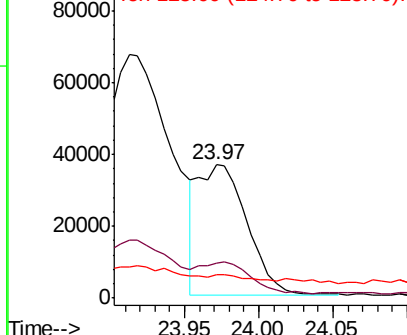
Lab File: BG042370.D

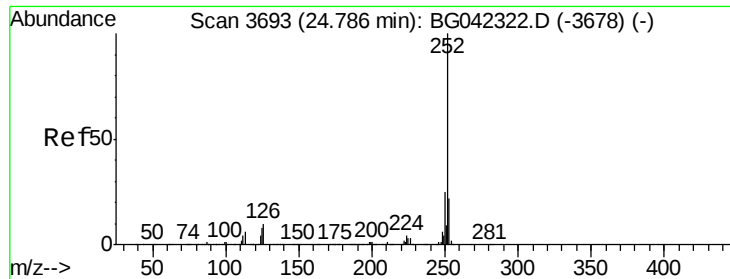
Acq: 20 Aug 2019 23:09

Tgt Ion:	252	Resp:	82715
Ion Ratio	Lower	Upper	
252	100		
253	25.8	19.0	28.4
125	17.2	6.0	9.0#



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





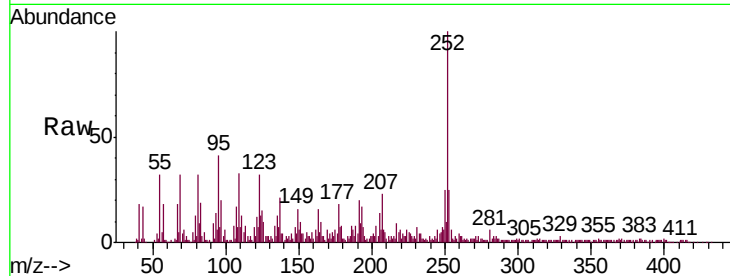
#90
Benzo(a)pyrene
Concen: 6.025 ng
RT: 24.79 min Scan# 3693
Delta R.T. 0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Instrument :
BNA_G
ClientSampleId :
T8-F-(0-2)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.1	17.9	26.9
125	14.6	6.7	10.1

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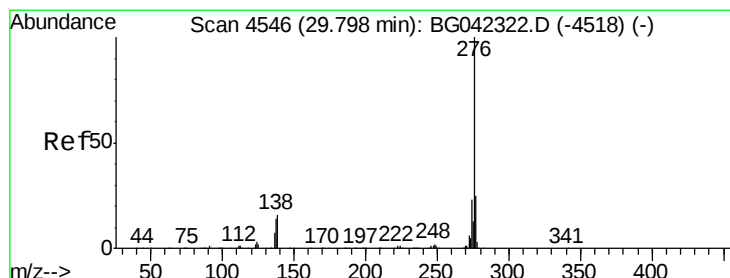
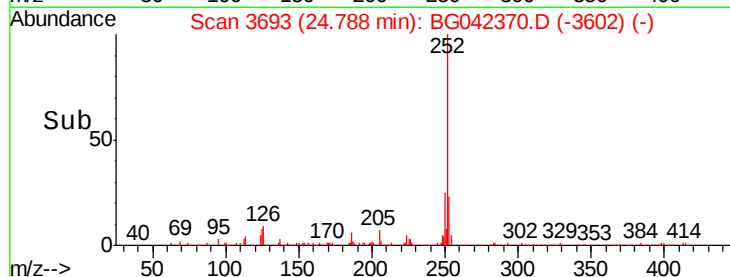
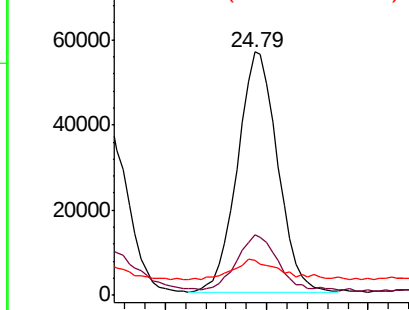


Abundance

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: 3.979 ng
RT: 29.81 min Scan# 4547
Delta R.T. 0.01 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	26.4	19.8	29.8
138	14.6	12.8	19.2

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

