

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082119\
 Data File : BG042384.D
 Acq On : 21 Aug 2019 15:29
 Operator : HP/JU
 Sample : K4339-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T8-A1-A4-(0-4)

Manual Integrations
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 8/22/2019 1:58:50 PM

Quant Time: Aug 21 17:59:20 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	88822	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	345536	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	236079	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	440919	20.00	ng	0.00
76) Chrysene-d12	21.70	240	375533	20.00	ng	0.00
87) Perylene-d12	24.98	264	437105	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	522223	119.12	ng	0.00
7) Phenol-d6	7.18	99	715978	120.25	ng	0.01
23) Nitrobenzene-d5	9.17	82	418603	85.21	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	374677	116.53	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1171416	83.96	ng	0.00
79) Terphenyl-d14	20.03	244	1310621	76.44	ng	0.00
Target Compounds						
10) Phenol	7.20	94	12114	2.001	ng	Qvalue # 69
31) Naphthalene	10.88	128	73847	4.612	ng	98
50) Dimethylphthalate	14.11	163	165539	9.868	ng	99
71) Phenanthrene	17.47	178	200016	9.108	ng	99
72) Anthracene	17.55	178	53220m	2.430	ng	
75) Fluoranthene	19.47	202	330913	12.496	ng	95
78) Pyrene	19.84	202	302687	13.099	ng	97
81) Benzo(a)anthracene	21.68	228	177886	7.713	ng	96
83) Chrysene	21.75	228	165508m	7.502	ng	
86) Indeno(1,2,3-cd)pyrene	28.71	276	135251	4.592	ng	97
88) Benzo(b)fluoranthene	23.93	252	253667	10.558	ng	# 90
89) Benzo(k)fluoranthene	23.99	252	85135m	3.625	ng	
90) Benzo(a)pyrene	24.82	252	190152	8.260	ng	# 87
92) Benzo(a,h,i)perylene	29.86	276	140676	6.147	ng	95

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

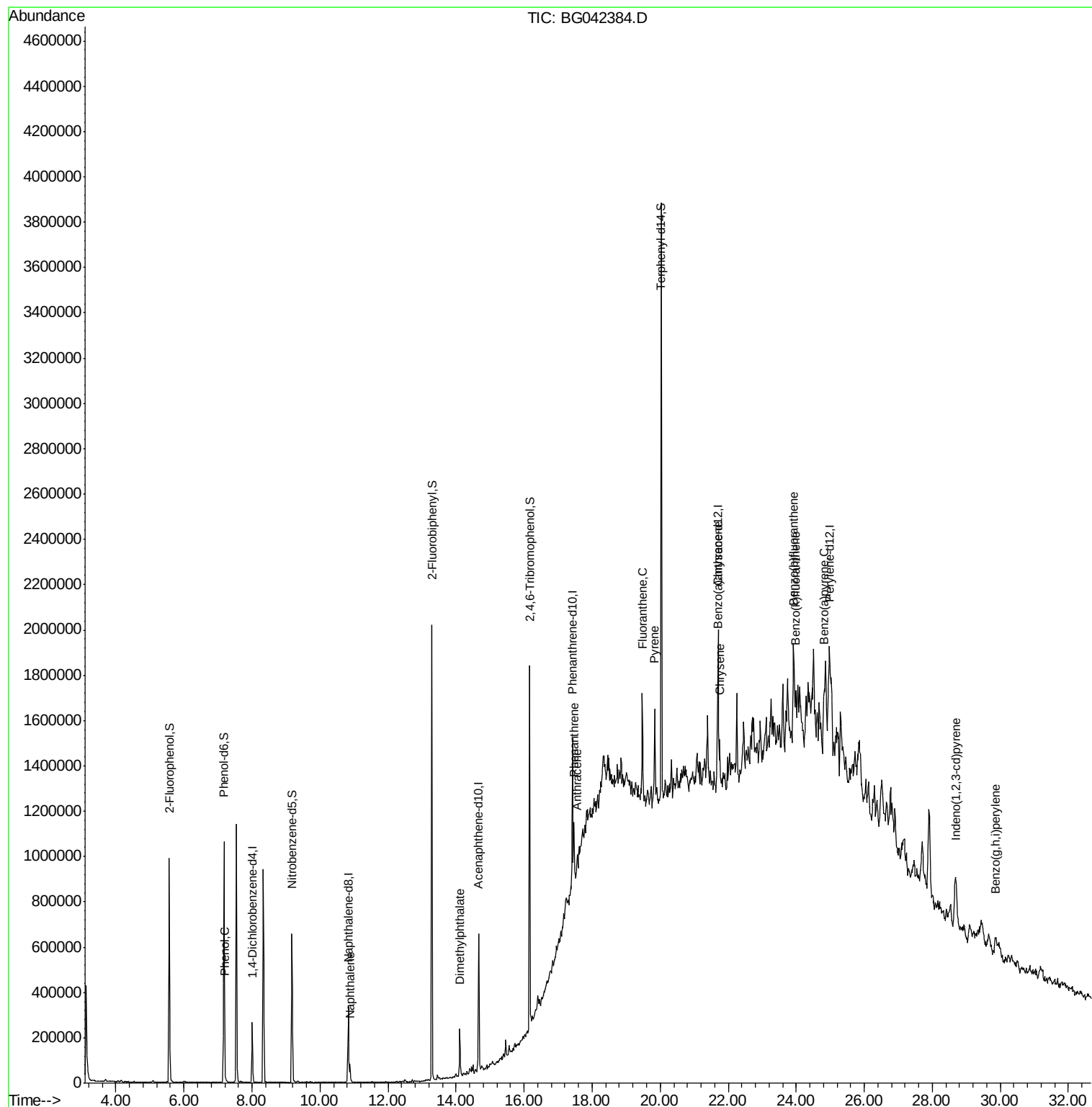
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082119\
Data File : BG042384.D
Acq On : 21 Aug 2019 15:29
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ALS Vial : 7 Sample Multiplier: 1

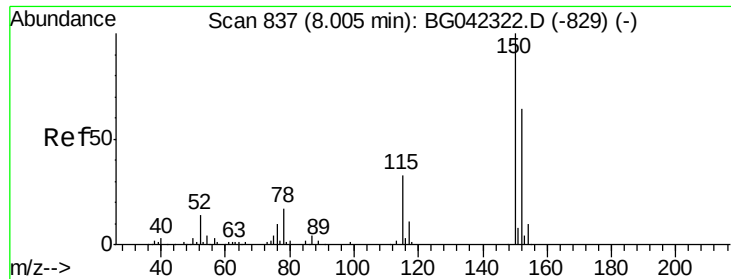
Instrument :
BNA_G
ClientSampleId :
T8-A1-A4-(0-4)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

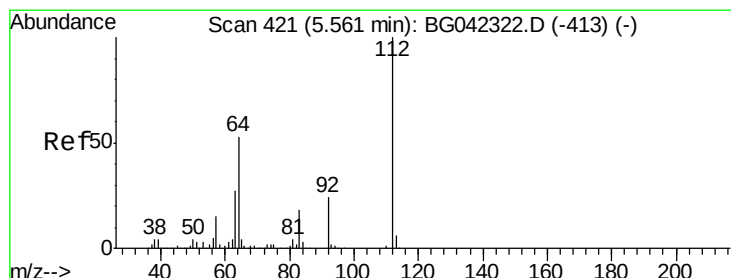
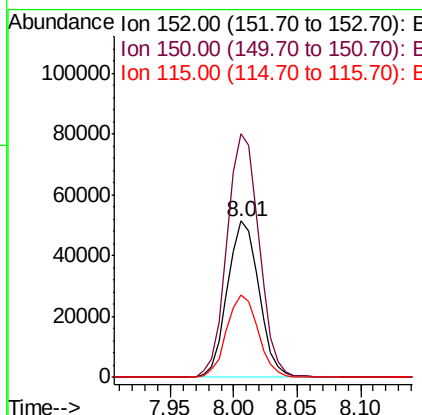
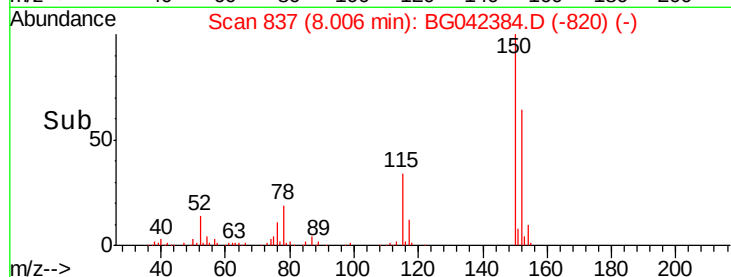
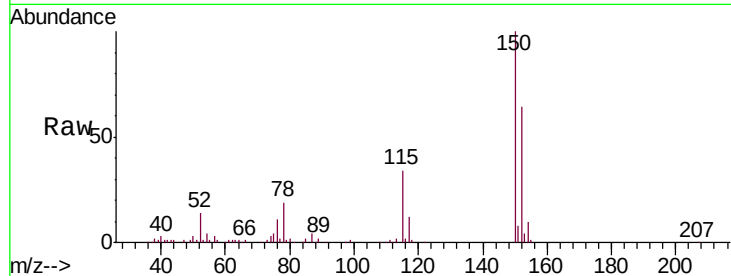
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042384.D
Acq: 21 Aug 2019 15:29

Instrument :
BNA_G
ClientSampleId :
T8-A1-A4-(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.3	186.5
115	52.5	40.5	60.7

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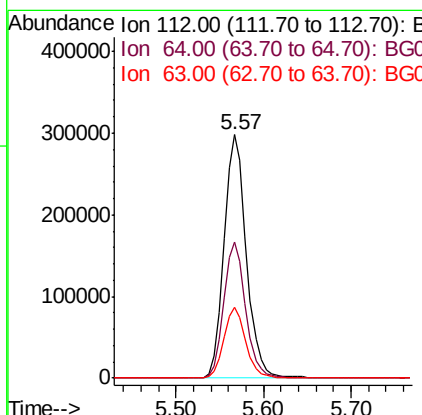
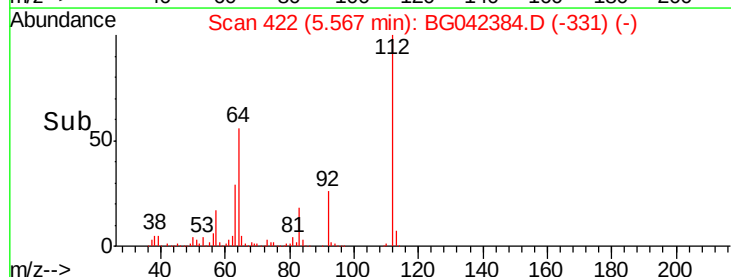
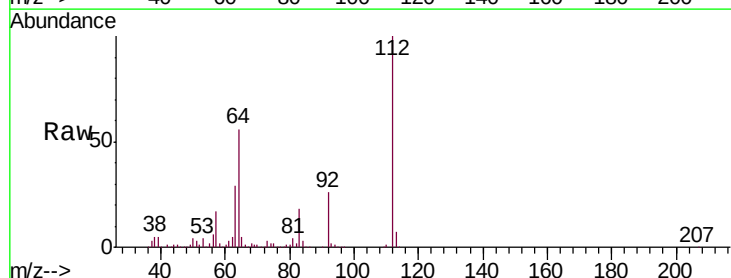
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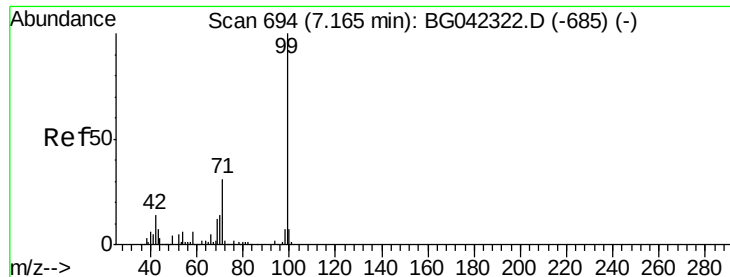


#5

2-Fluorophenol
Concen: 119.123 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG042384.D
Acq: 21 Aug 2019 15:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	42.5	63.7
63	28.8	21.7	32.5





#7

Phenol-d6

Concen: 120.254 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG042384.D

Acq: 21 Aug 2019 15:29

Instrument :

BNA_G

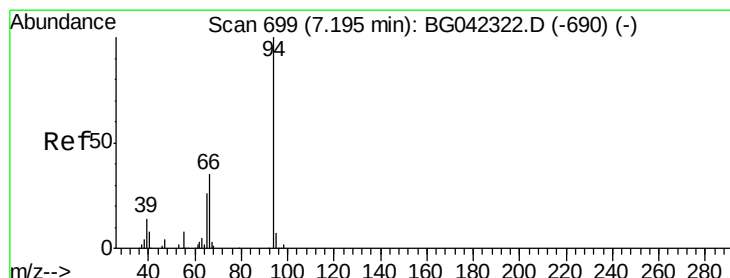
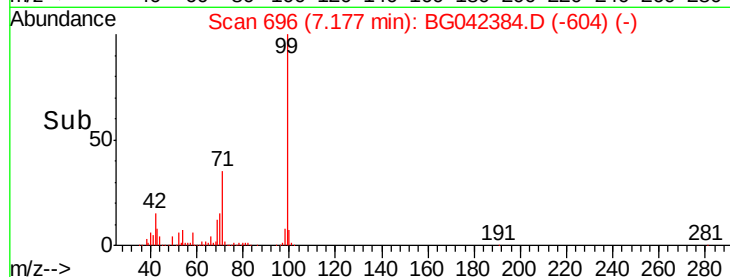
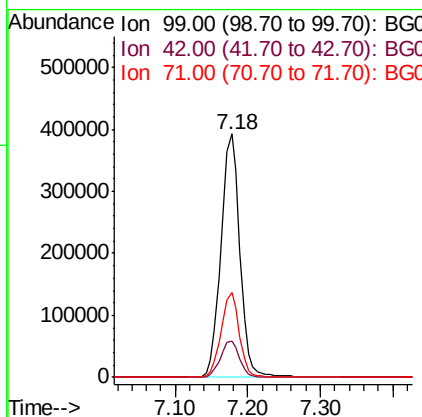
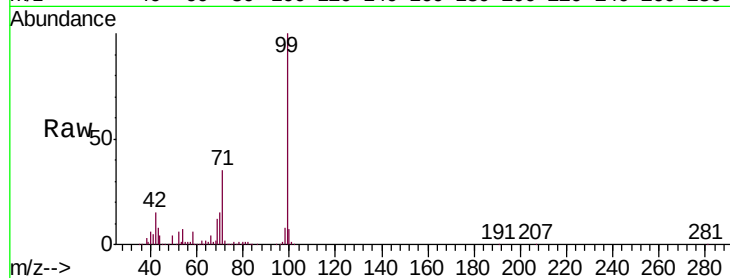
ClientSampled :

T8-A1-A4-(0-4)

Tot Ion:	99	Resp:	715978
Ion	Ratio	Lower	Upper
99	100		
42	14.9	11.4	17.0
71	34.9	25.1	37.7

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#10

Phenol

Concen: 2.001 ng

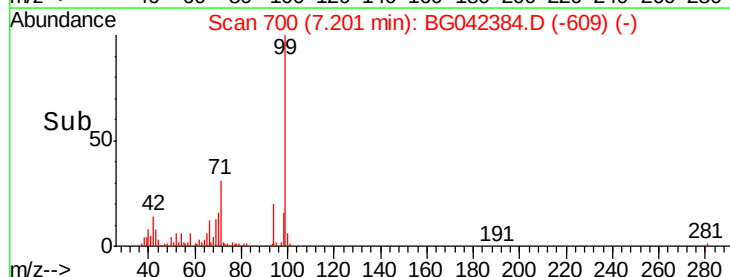
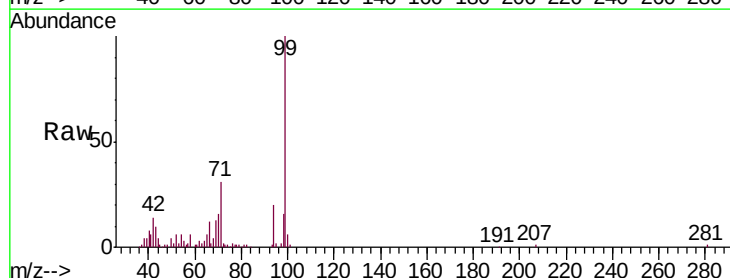
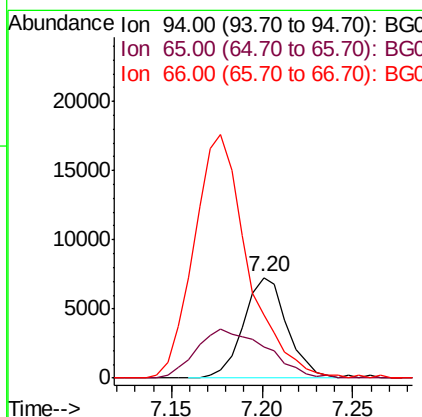
RT: 7.20 min Scan# 700

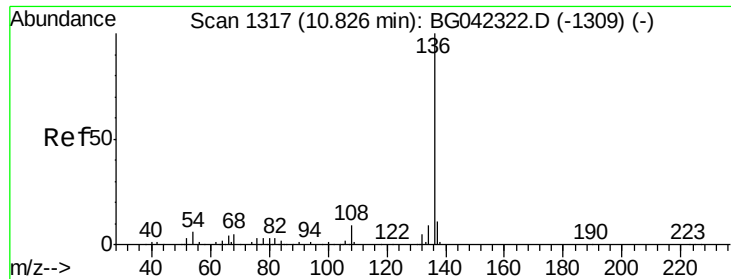
Delta R.T. 0.01 min

Lab File: BG042384.D

Acq: 21 Aug 2019 15:29

Tgt Ion:	94	Resp:	12114
Ion	Ratio	Lower	Upper
94	100		
65	31.2	6.1	46.1
66	62.5	15.7	55.7





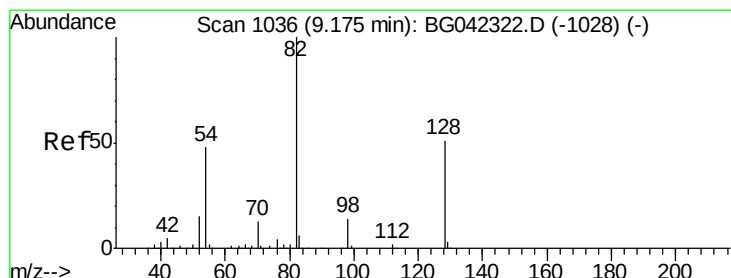
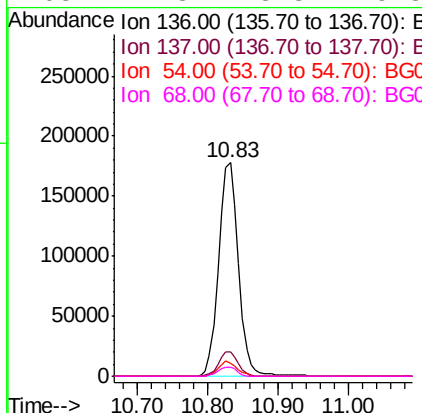
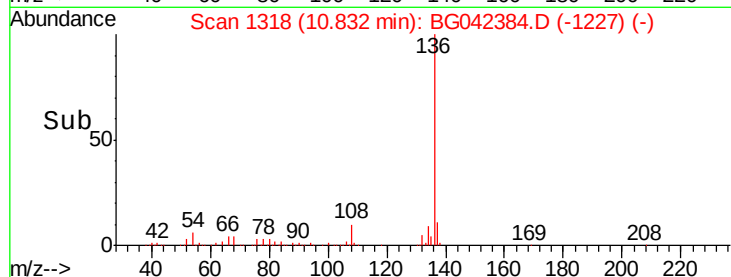
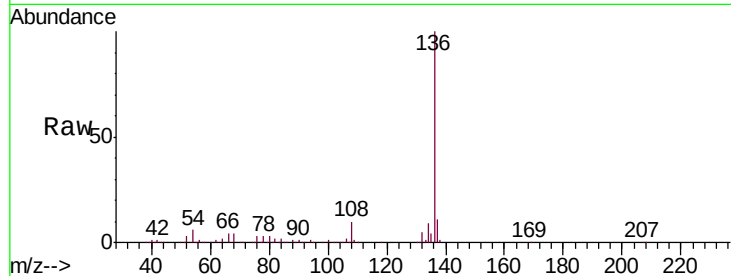
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BG042384.D
Acq: 21 Aug 2019 15:29

Instrument :
BNA_G
ClientSampled :
T8-A1-A4-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	345536		
137	11.1	8.4	12.6	
54	6.2	5.0	7.4	
68	4.3	3.8	5.8	

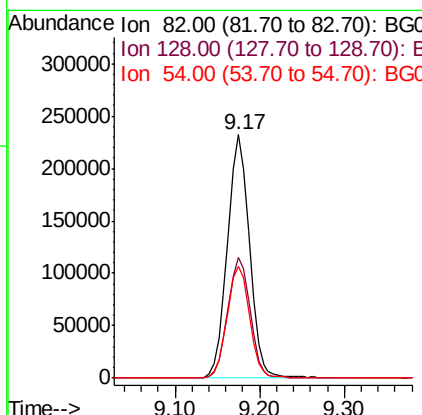
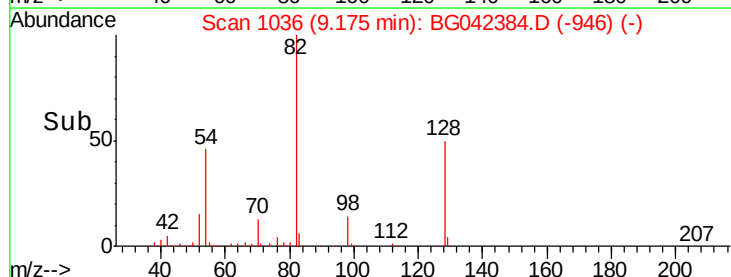
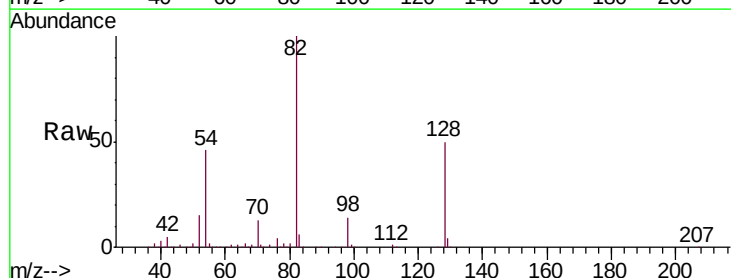
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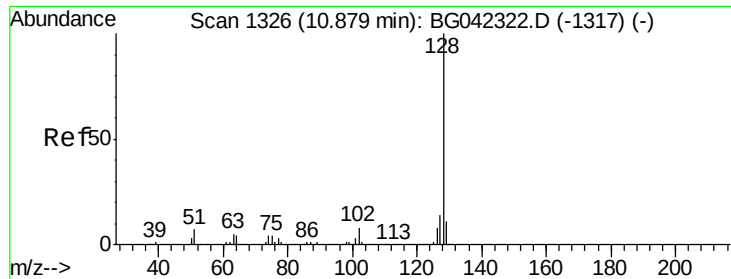
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#23
Nitrobenzene-d5
Concen: 85.206 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG042384.D
Acq: 21 Aug 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	418603		
128	49.7	41.0	61.4	
54	45.9	38.0	57.0	





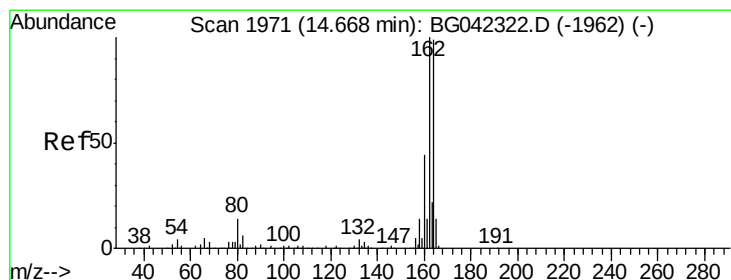
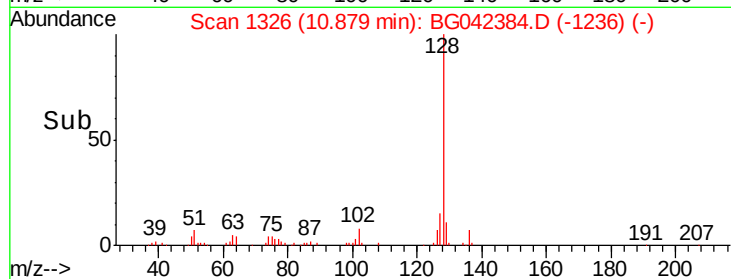
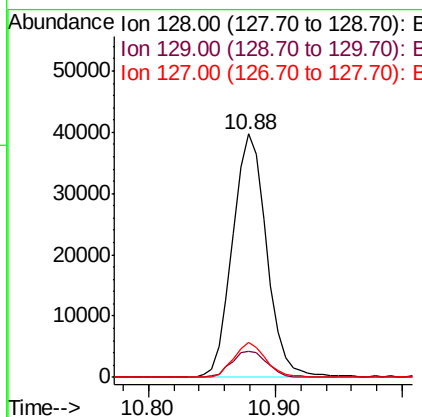
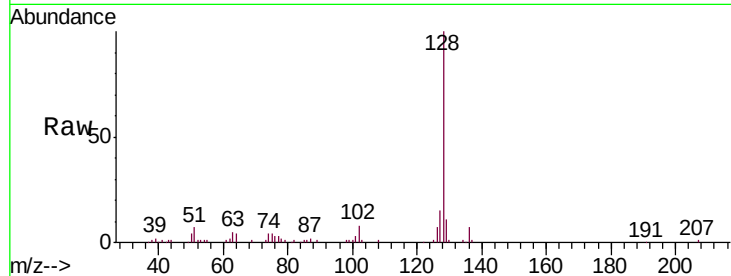
#31
Naphthalene
Concen: 4.612 ng
RT: 10.88 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BG042384.D
Acq: 21 Aug 2019 15:29

Instrument :
BNA_G
ClientSampleId :
T8-A1-A4-(0-4)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	14.5	10.8	16.2

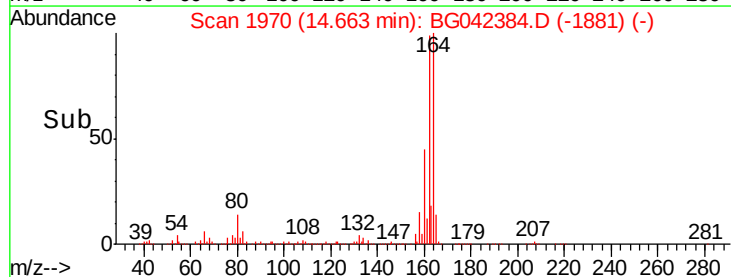
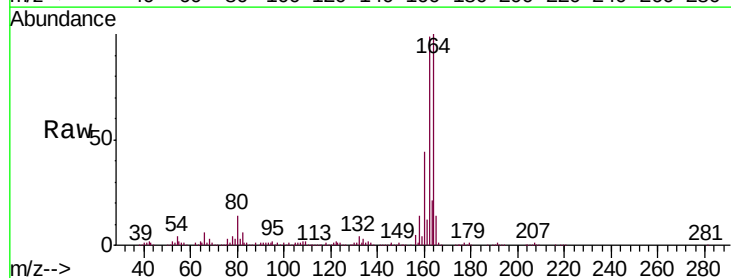
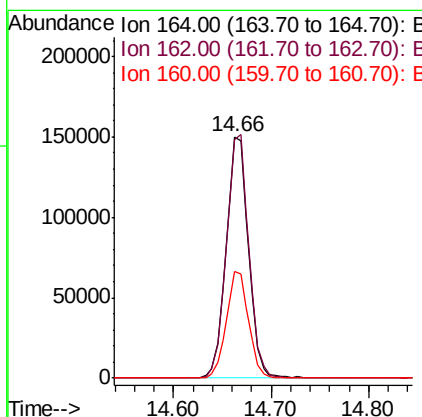
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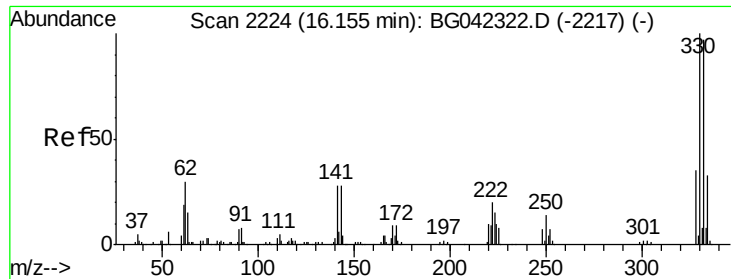
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG042384.D
Acq: 21 Aug 2019 15:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	80.6	120.8
160	44.4	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 116.528 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.01 min

Lab File: BG042384.D

Acq: 21 Aug 2019 15:29

Instrument :

BNA_G

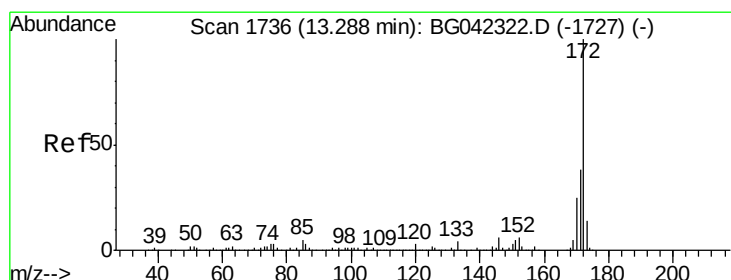
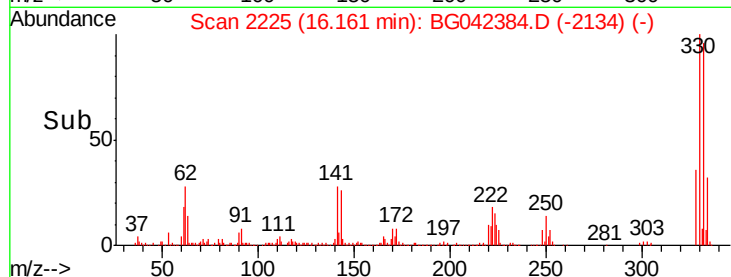
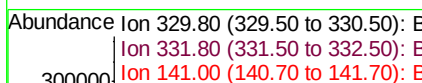
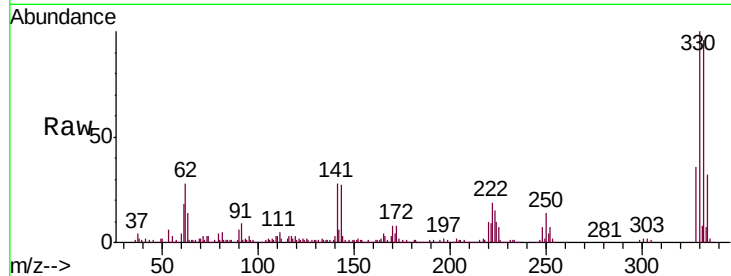
ClientSampleId :

T8-A1-A4-(0-4)

Tot Ion:	330	Resp:	374677
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.9	115.3
141	27.9	21.8	32.6

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#45

2-Fluorobiphenyl

Concen: 83.964 ng

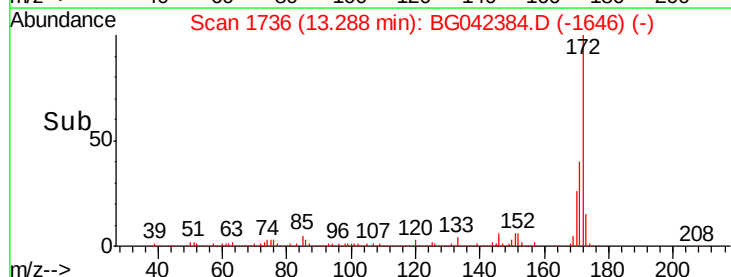
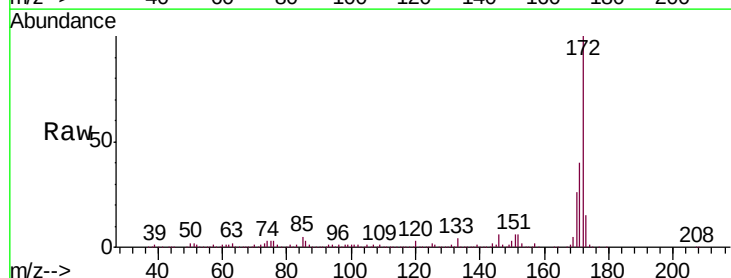
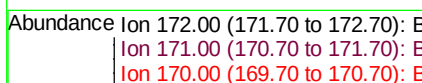
RT: 13.29 min Scan# 1736

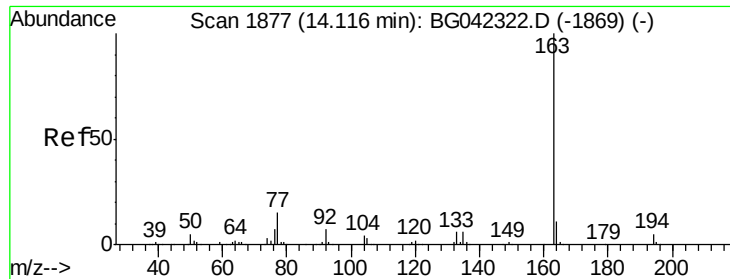
Delta R.T. 0.00 min

Lab File: BG042384.D

Acq: 21 Aug 2019 15:29

Tgt Ion:	172	Resp:	1171416
Ion Ratio	Lower	Upper	
172	100		
171	39.9	30.3	45.5
170	26.2	20.0	30.0





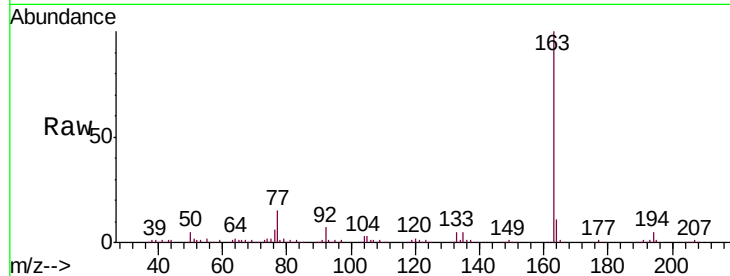
#50
Dimethylphthalate
Concen: 9.868 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042384.D
Acq: 21 Aug 2019 15:29

Instrument :
BNA_G
ClientSampleId :
T8-A1-A4-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	165539		
194	5.1	4.2	6.2	
164	10.5	8.8	13.2	

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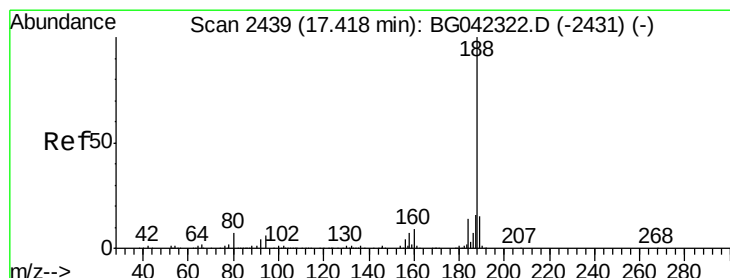
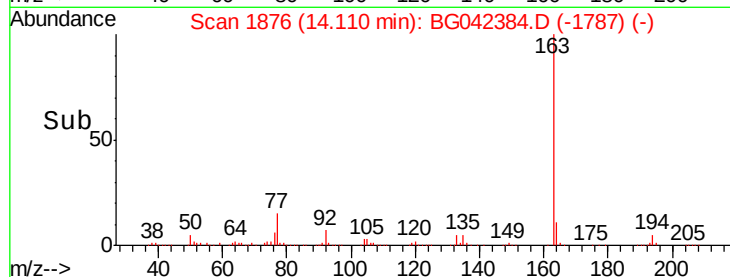
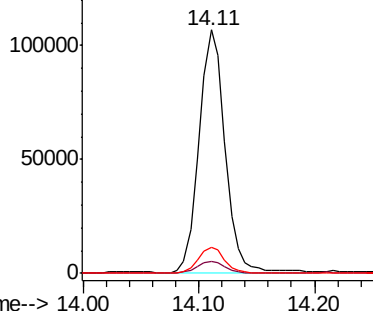


Abundance

Ion 163.00 (162.70 to 163.70): E

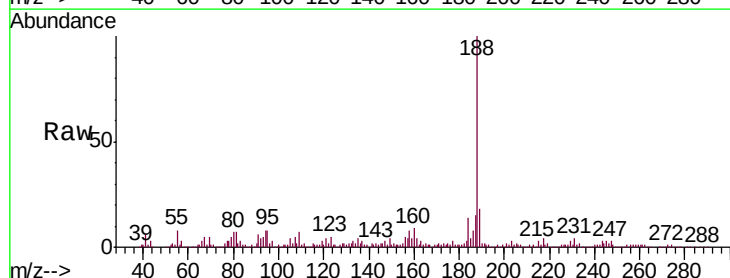
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. 0.00 min
Lab File: BG042384.D
Acq: 21 Aug 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	440919		
94	7.6	4.9	7.3#	
80	7.5	5.4	8.0	

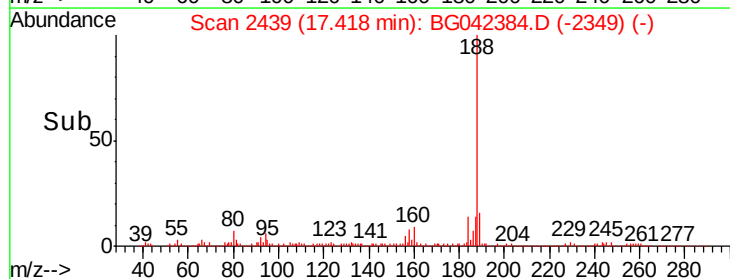
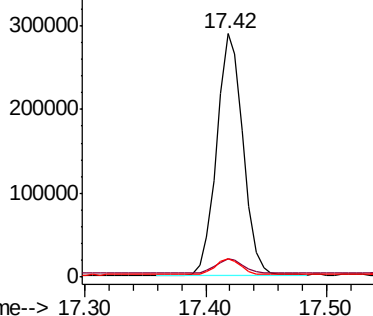


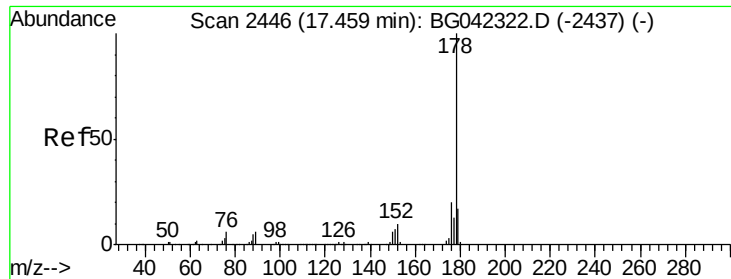
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#71

Phenanthrene

Concen: 9.108 ng

RT: 17.47 min Scan# 2447

Delta R.T. 0.01 min

Lab File: BG042384.D

Acq: 21 Aug 2019 15:29

Instrument :

BNA_G

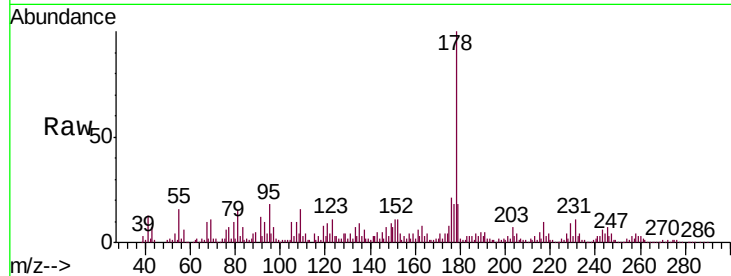
ClientSampleId :

T8-A1-A4-(0-4)

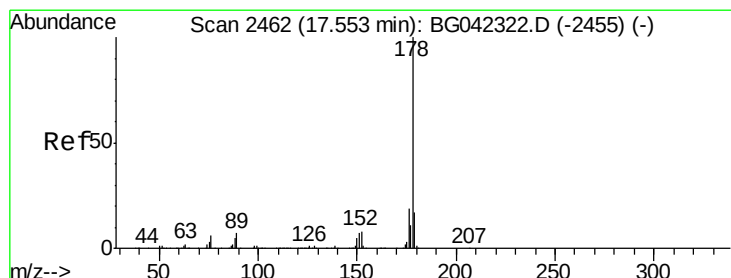
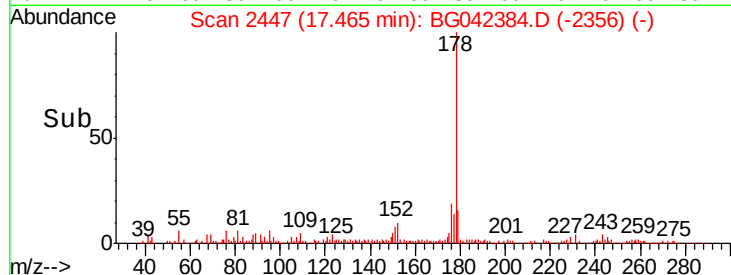
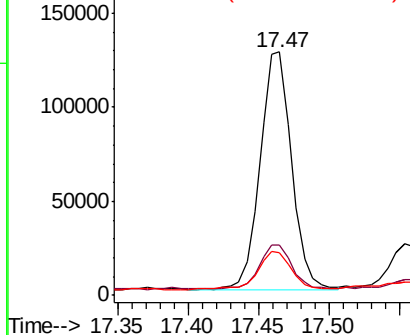
Tot Ion:178	Resp:	200016
Ion Ratio	Lower	Upper
178	100	
176	20.7	16.2 24.4
179	17.5	13.7 20.5

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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



#72

Anthracene

Concen: 2.430 ng m

RT: 17.55 min Scan# 2462

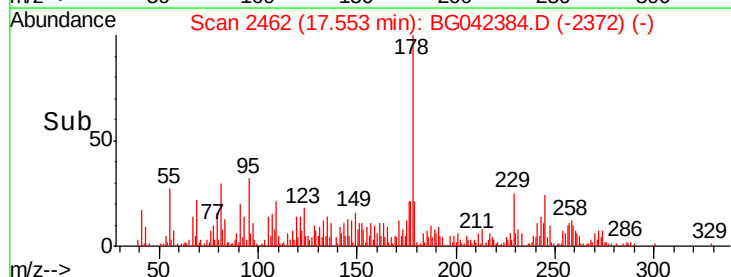
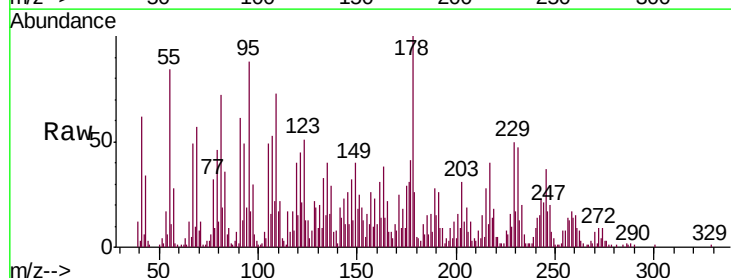
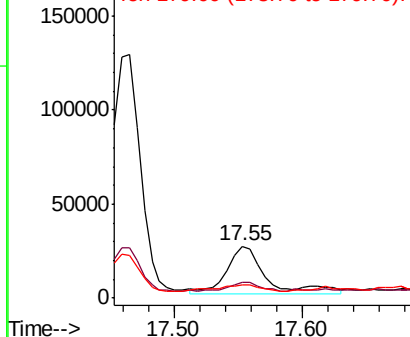
Delta R.T. 0.00 min

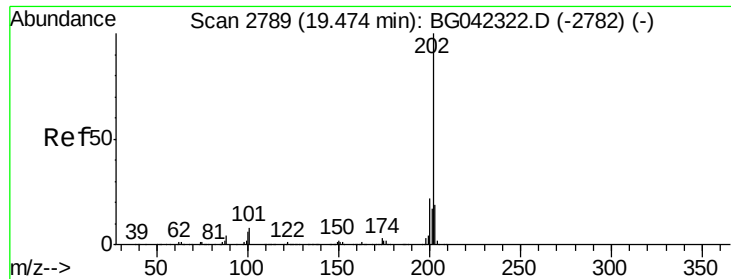
Lab File: BG042384.D

Acq: 21 Aug 2019 15:29

Tgt Ion:178	Resp:	53220
Ion Ratio	Lower	Upper
178	100	
176	30.9	15.5 23.3#
179	26.4	13.6 20.4#

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: 12.496 ng

RT: 19.47 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG042384.D

Acq: 21 Aug 2019 15:29

Instrument :

BNA_G

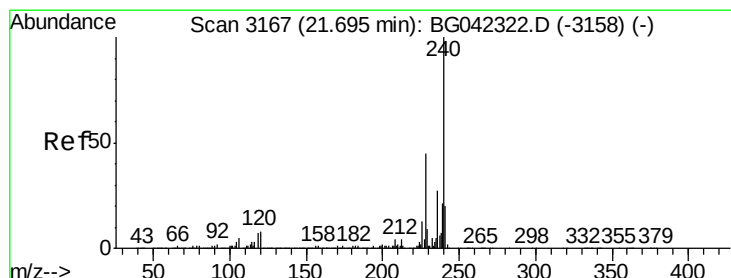
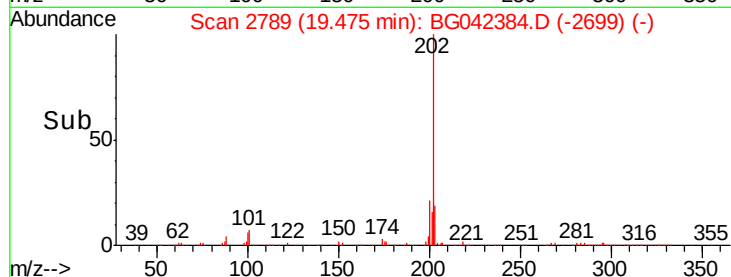
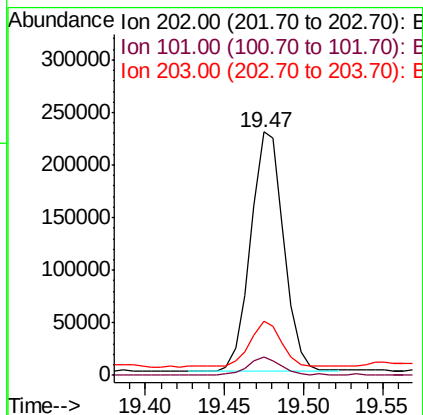
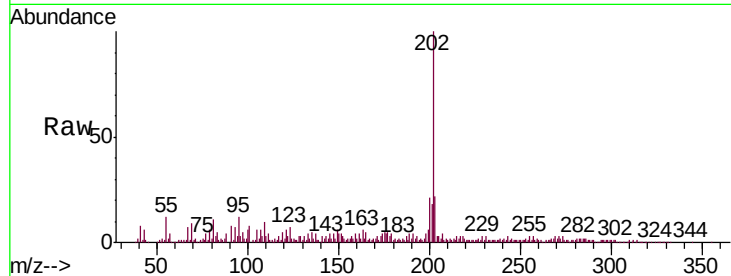
ClientSampleId :

T8-A1-A4-(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		330913		
101	7.5	0.0	28.0		
203	22.2	0.0	39.1		

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8/22/2019 1:58:50 PM



#76

Chrysene-d12

Concen: 20.000 ng

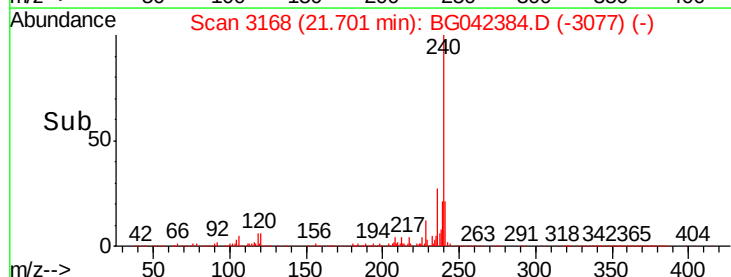
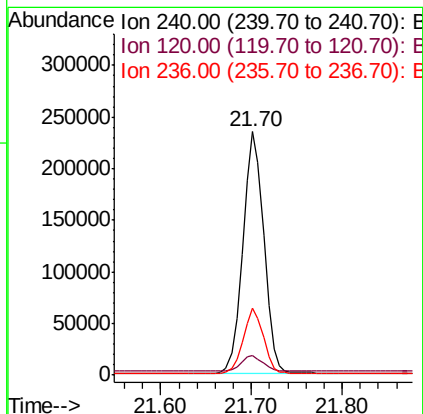
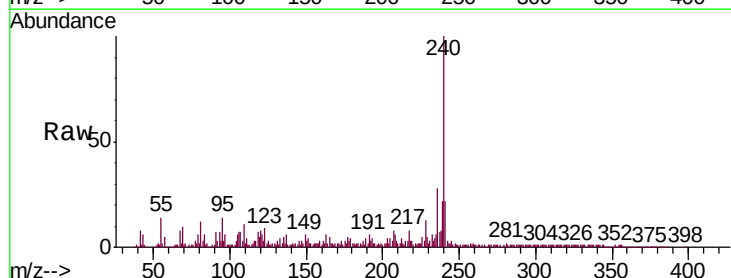
RT: 21.70 min Scan# 3168

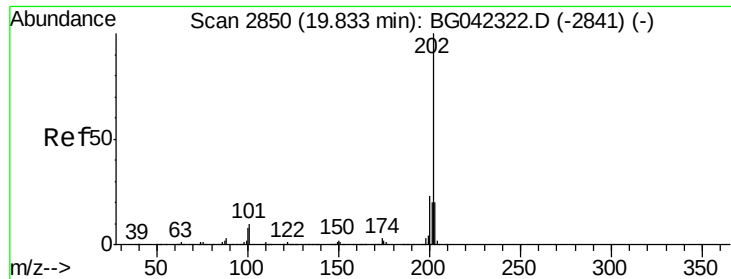
Delta R.T. 0.01 min

Lab File: BG042384.D

Acq: 21 Aug 2019 15:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		375533		
120	7.9	6.0	9.0		
236	27.5	21.6	32.4		





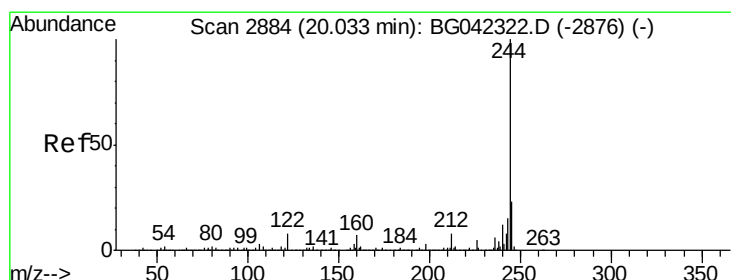
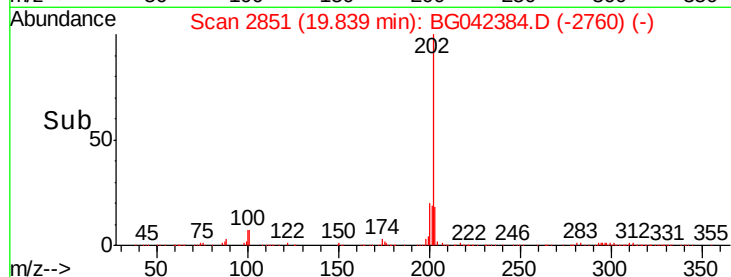
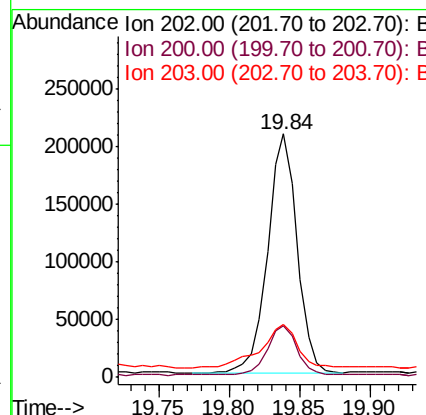
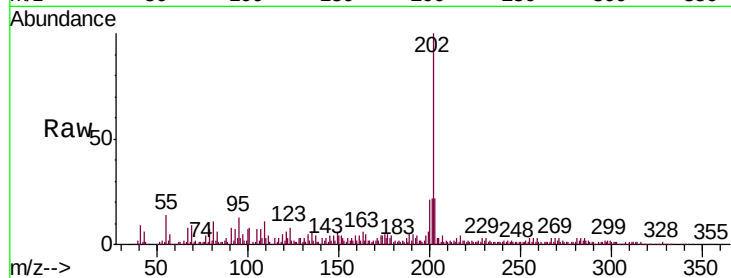
#78
Pvrene
Concen: 13.099 ng
RT: 19.84 min Scan# 2851
Delta R.T. 0.01 min
Lab File: BG042384.D
Acq: 21 Aug 2019 15:29

Instrument :
BNA_G
ClientSampleId :
T8-A1-A4-(0-4)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.1	27.1
203	21.5	15.8	23.8

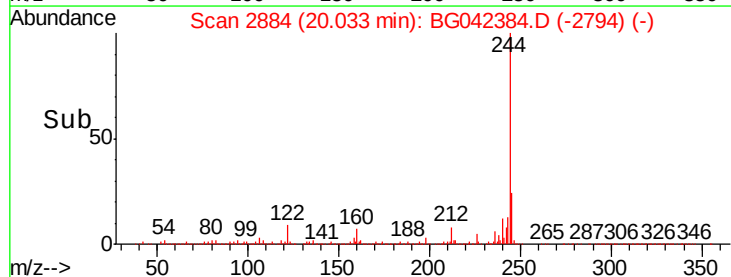
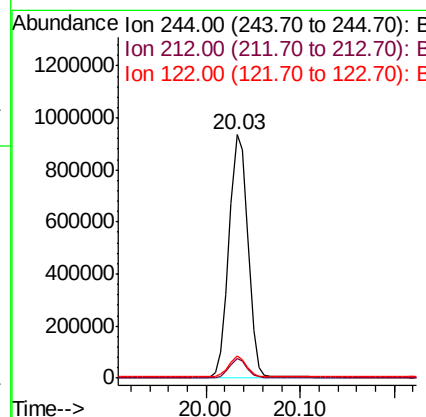
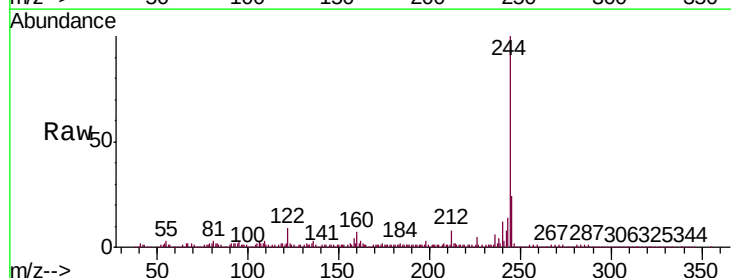
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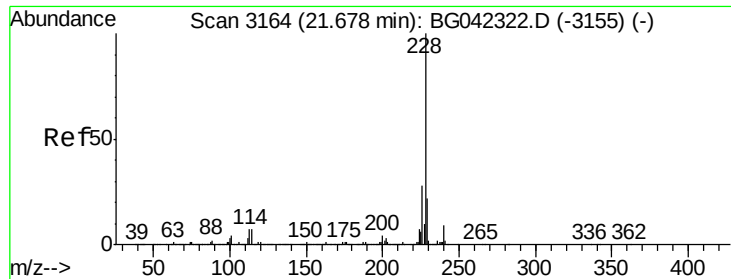
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8/22/2019 1:58:50 PM



#79
Terphenyl-d14
Concen: 76.442 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BG042384.D
Acq: 21 Aug 2019 15:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.4	9.6
122	9.2	6.6	10.0





#81

Benzo(a)anthracene

Concen: 7.713 ng

RT: 21.68 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BG042384.D

Acq: 21 Aug 2019 15:29

Instrument :

BNA_G

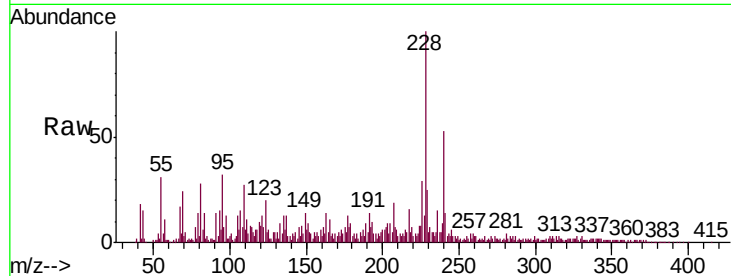
ClientSampleId :

T8-A1-A4-(0-4)

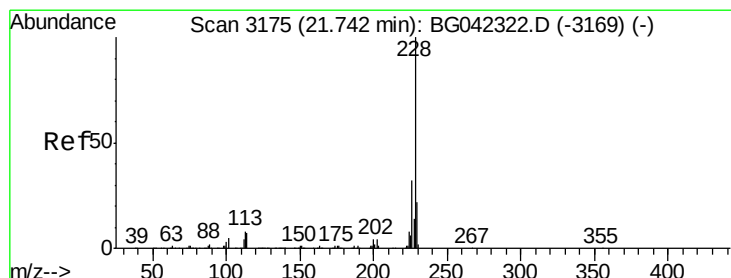
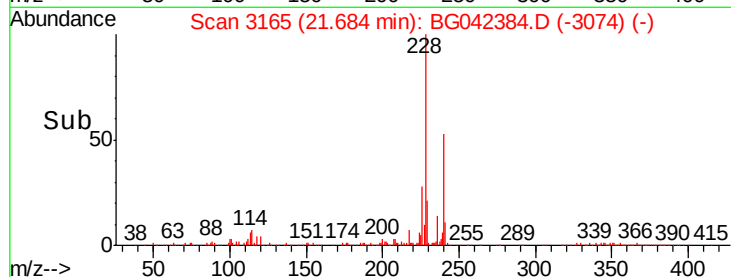
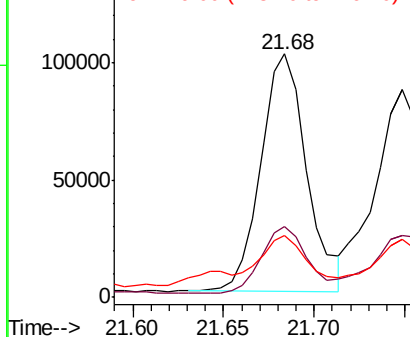
Tot Ion:	228	Resp:	177886
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.7	34.1
229	25.5	17.4	26.2

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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



#83

Chrysene

Concen: 7.502 ng m

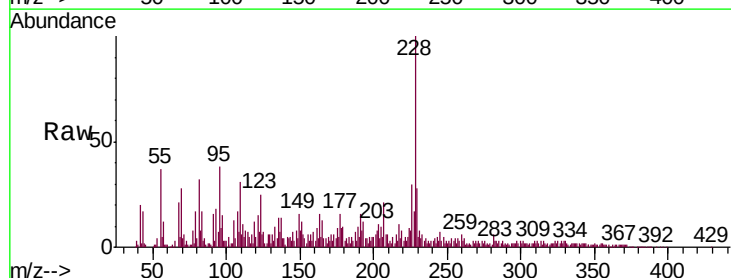
RT: 21.75 min Scan# 3176

Delta R.T. 0.01 min

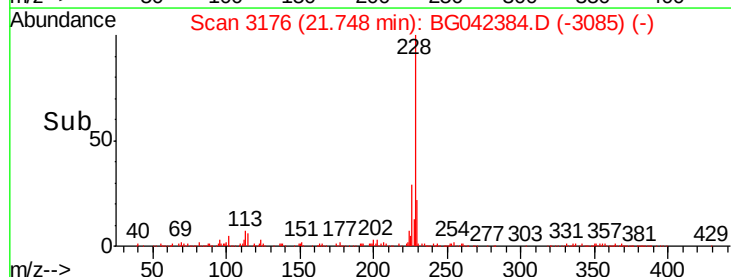
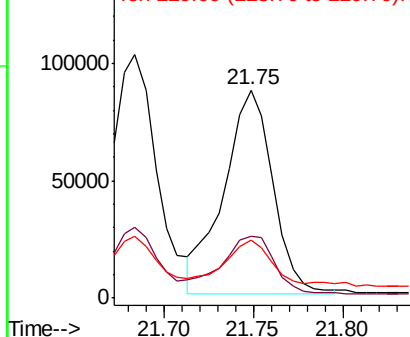
Lab File: BG042384.D

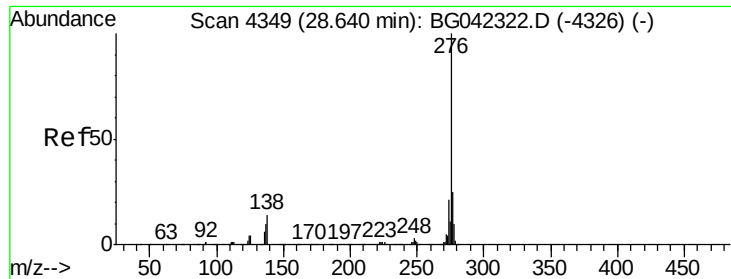
Acq: 21 Aug 2019 15:29

Tgt Ion:	228	Resp:	165508
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.6	38.4
229	27.9	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





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.592 ng

RT: 28.71 min Scan# 4361

Delta R.T. 0.07 min

Lab File: BG042384.D

Acq: 21 Aug 2019 15:29

Instrument :

BNA_G

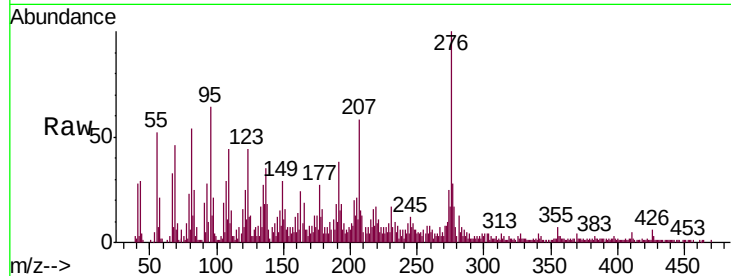
ClientSampleId :

T8-A1-A4-(0-4)

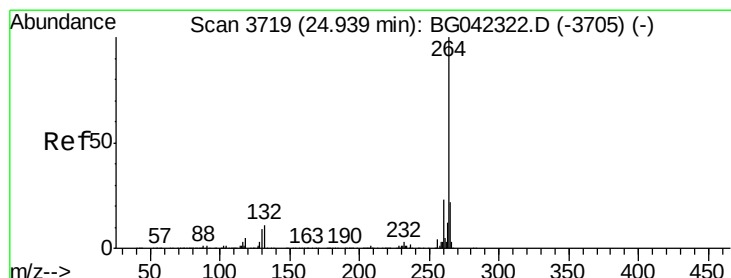
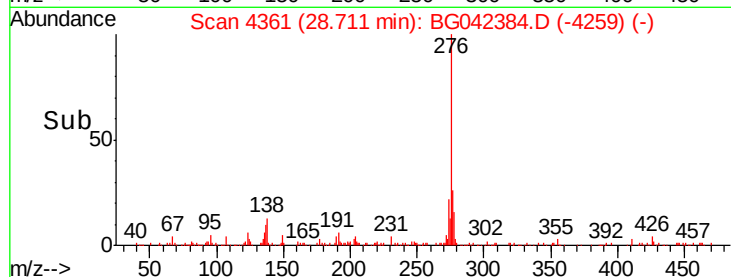
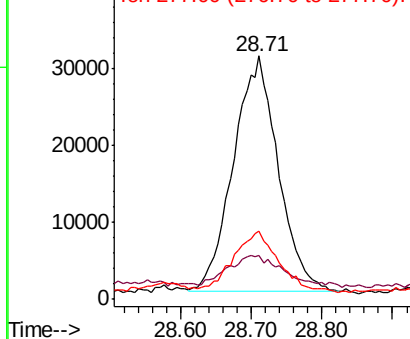
Tot Ion:	276	Resp:	135251
Ion Ratio	Lower	Upper	
276	100		
138	14.6	14.5	21.7
277	26.2	21.0	31.4

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8/22/2019 1:58:50 PM



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

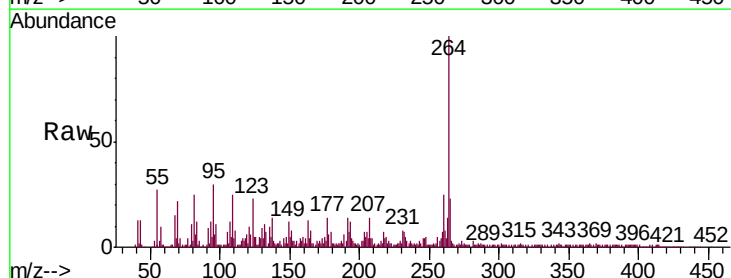
RT: 24.98 min Scan# 3726

Delta R.T. 0.04 min

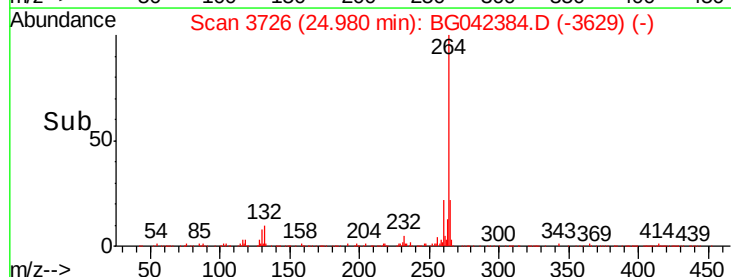
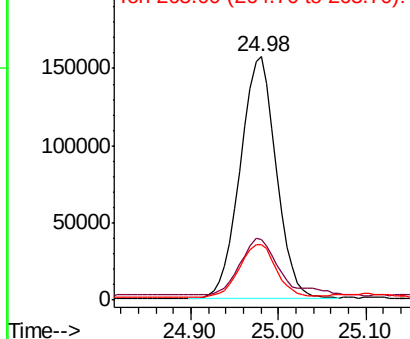
Lab File: BG042384.D

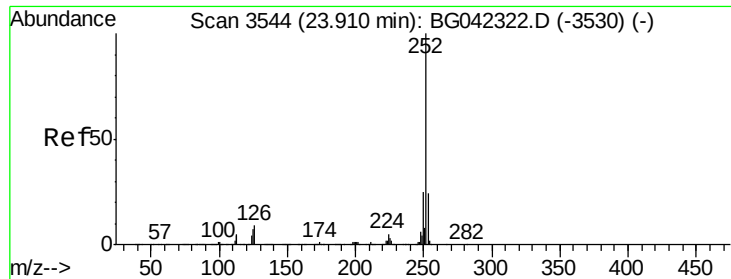
Acq: 21 Aug 2019 15:29

Tgt Ion:	264	Resp:	437105
Ion Ratio	Lower	Upper	
264	100		
260	24.7	18.4	27.6
265	23.0	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





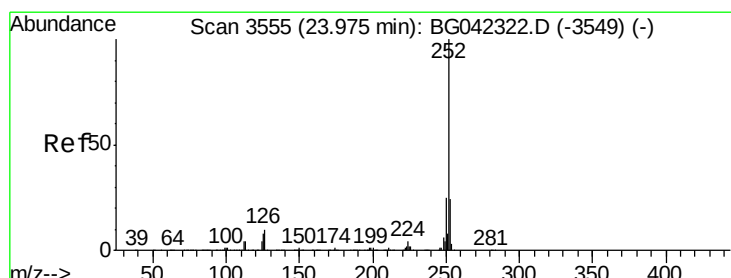
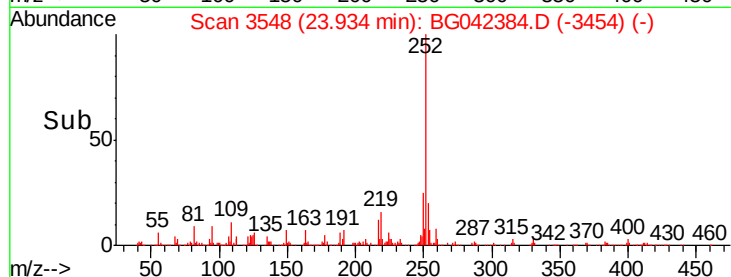
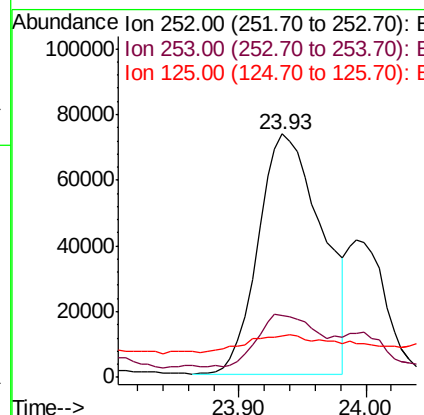
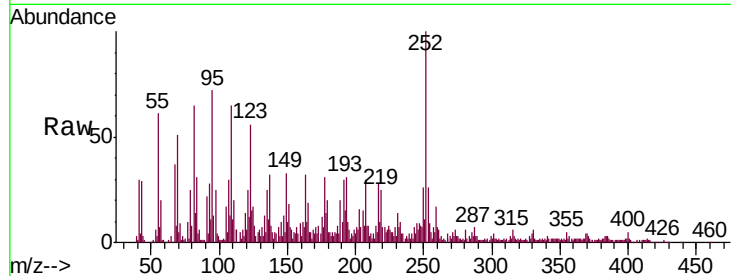
#88
 Benzo(b)fluoranthene
 Concen: 10.558 ng
 RT: 23.93 min Scan# 3548
 Delta R.T. 0.02 min
 Lab File: BG042384.D
 Acq: 21 Aug 2019 15:29

Instrument :
 BNA_G
 ClientSampled :
 T8-A1-A4-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.6	18.9	28.3
125	17.2	5.8	8.6

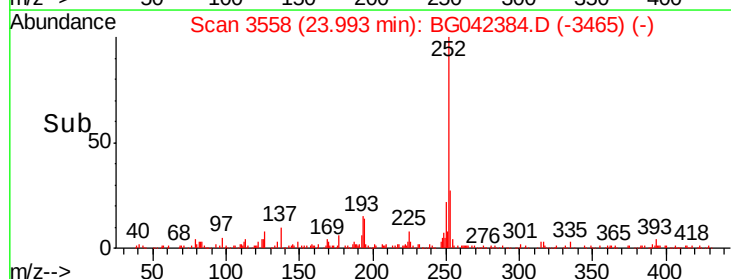
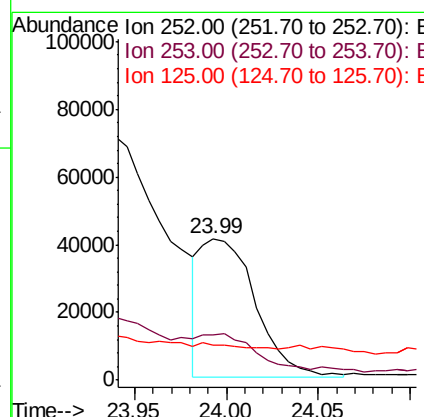
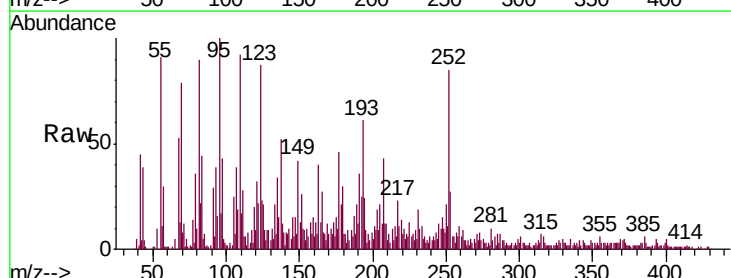
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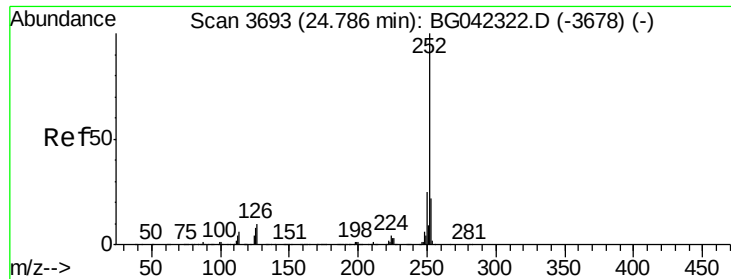
Jagrut
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#89
 Benzo(k)fluoranthene
 Concen: 3.625 ng m
 RT: 23.99 min Scan# 3558
 Delta R.T. 0.02 min
 Lab File: BG042384.D
 Acq: 21 Aug 2019 15:29

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	31.9	19.0	28.4
125	24.9	6.0	9.0





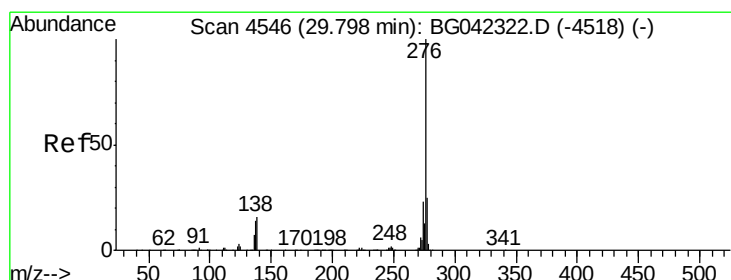
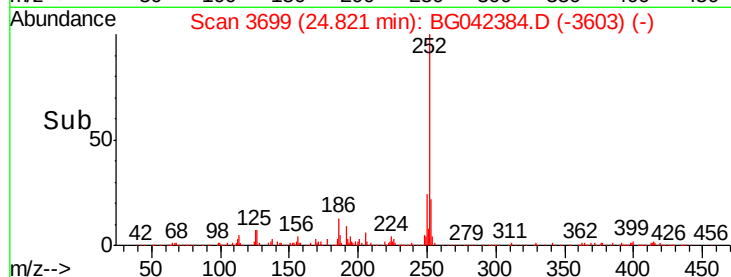
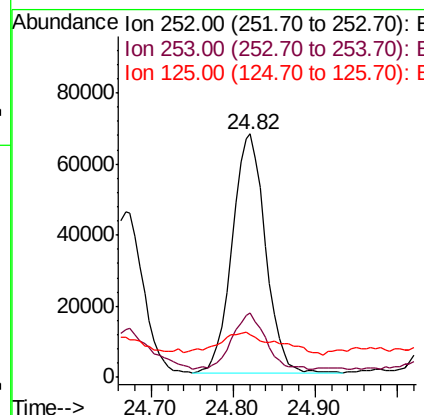
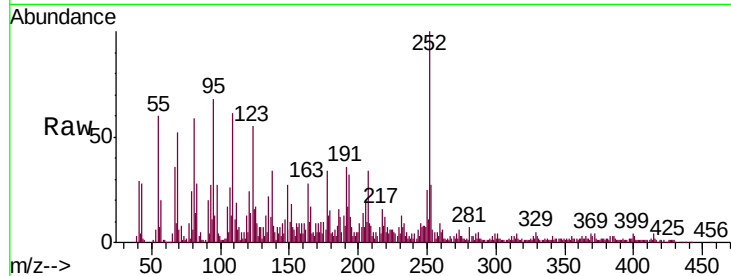
#90
Benzo(a)pyrene
Concen: 8.260 ng
RT: 24.82 min Scan# 3699
Delta R.T. 0.04 min
Lab File: BG042384.D
Acq: 21 Aug 2019 15:29

Instrument :
BNA_G
ClientSampleId :
T8-A1-A4-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	26.5	17.9	26.9
125	17.3	6.7	10.1

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#92
Benzo(g,h,i)perylene
Concen: 6.147 ng
RT: 29.86 min Scan# 4557
Delta R.T. 0.06 min
Lab File: BG042384.D
Acq: 21 Aug 2019 15:29

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	27.5	19.8	29.8
138	18.1	12.8	19.2

