

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
 Data File : BG040841.D
 Acq On : 10 May 2019 8:24
 Operator : HP/JU
 Sample : K2645-05 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-050719-C

Manual Integrations
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Quant Time: May 10 15:12:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	58791	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	254567	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	178397	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	411847	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	407113	20.00	ng	-0.03
87) Perylene-d12	25.15	264	445871	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	66446	19.92	ng	-0.01
7) Phenol-d6	7.27	99	106126	20.67	ng	-0.02
23) Nitrobenzene-d5	9.32	82	71939	13.06	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	44490	18.14	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	159520	12.91	ng	-0.02
79) Terphenyl-d14	20.11	244	251076	13.66	ng	-0.03
Target Compounds						
52) Acenaphthene	14.83	154	22522	2.103	ng	Qvalue 92
55) Dibenzofuran	15.16	168	35167	2.005	ng	93
58) Fluorene	15.81	166	60543	4.270	ng	100
71) Phenanthrene	17.56	178	591938	26.684	ng	99
72) Anthracene	17.65	178	157015	7.042	ng	98
75) Fluoranthene	19.56	202	1053754	38.119	ng	99
78) Pyrene	19.92	202	923023	36.174	ng	100
81) Benzo(a)anthracene	21.78	228	525388	20.419	ng	99
83) Chrysene	21.84	228	492886m	20.143	ng	
86) Indeno(1,2,3-cd)pyrene	29.00	276	260428	8.803	ng	# 97
88) Benzo(b)fluoranthene	24.08	252	587650	21.568	ng	98
89) Benzo(k)fluoranthene	24.15	252	201882m	7.934	ng	
90) Benzo(a)pyrene	24.99	252	436472m	16.923	ng	
91) Dibenzo(a,h)anthracene	29.05	278	64857	2.485	ng	# 90
92) Benzo(a,h,i)perylene	30.22	276	242969	9.354	ng	99

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

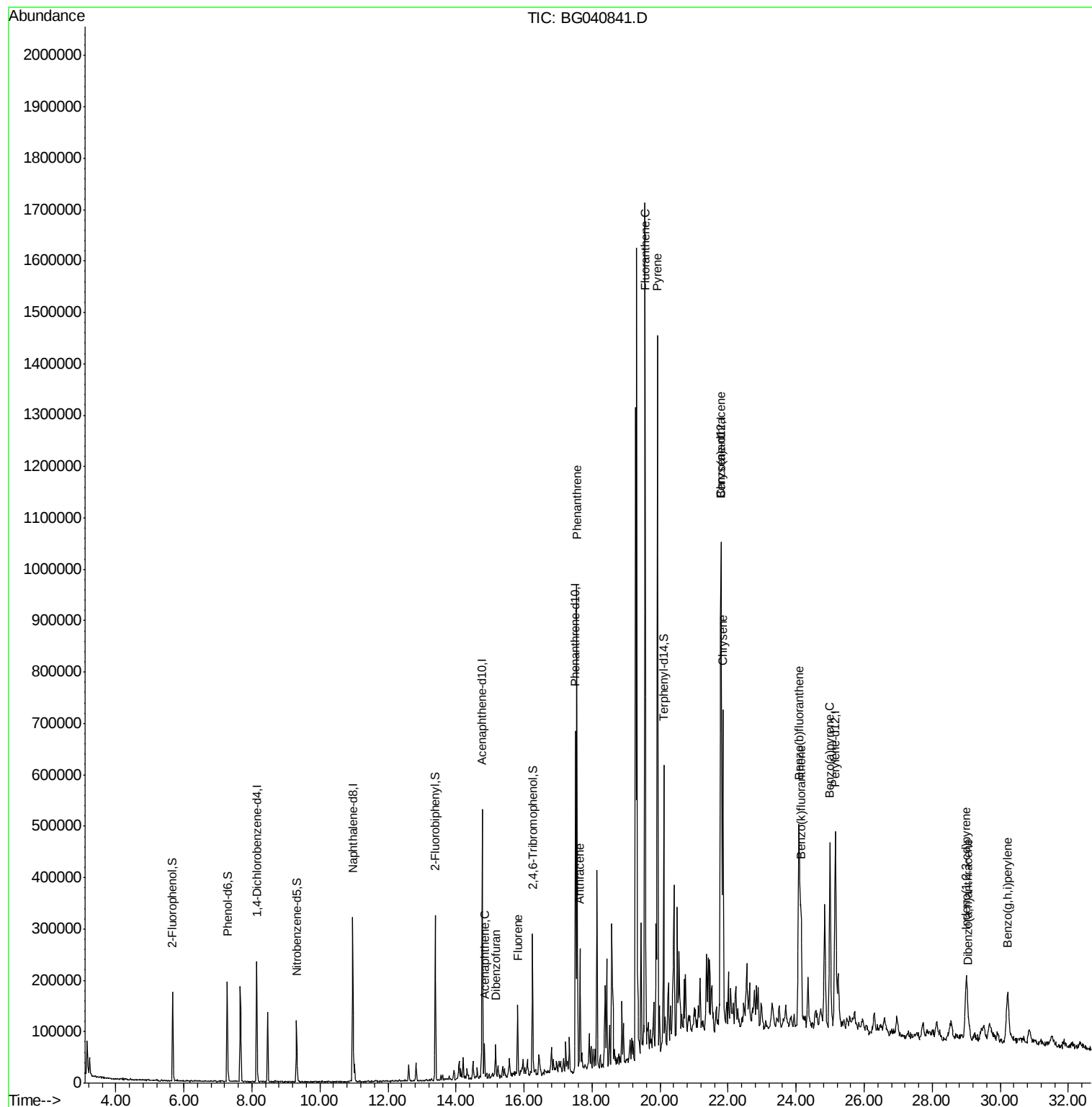
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
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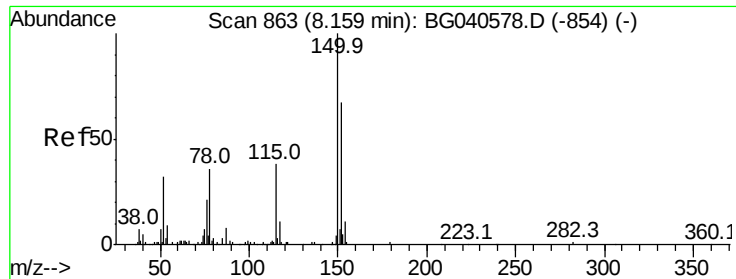
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

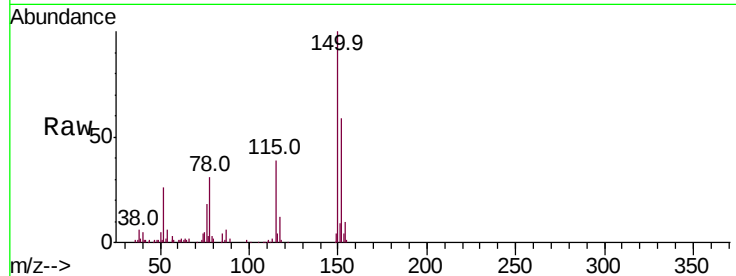
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040841.D
Acq: 10 May 2019 8:24

Instrument :
BNA_G
ClientSampleId :
PL-02-050719-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	168.6	120.2	180.2
115	65.4	46.2	69.2

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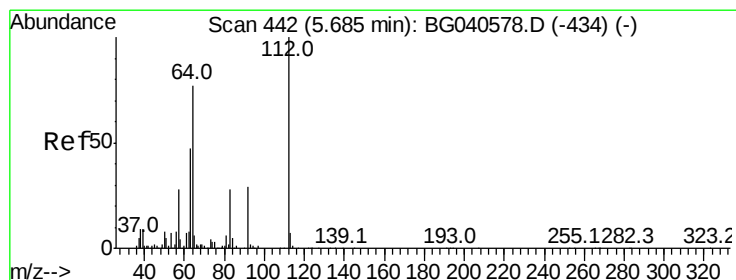
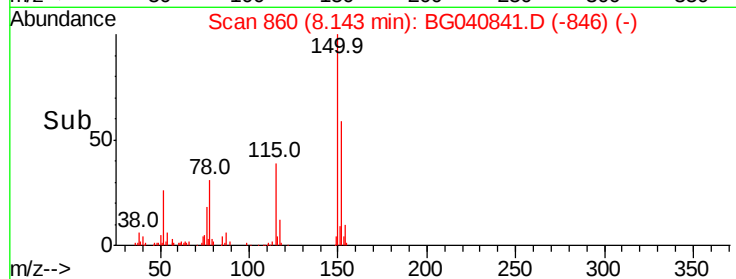
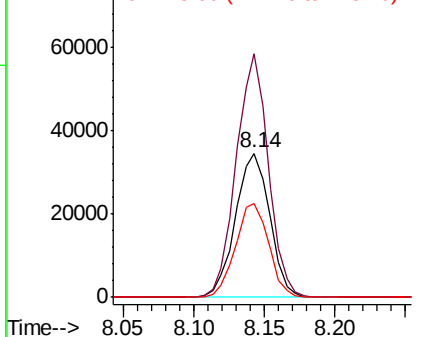


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

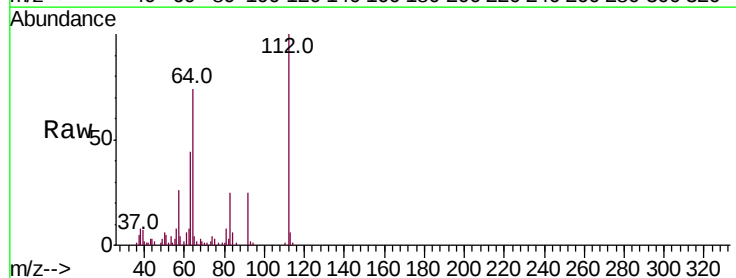
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.923 ng
RT: 5.67 min Scan# 439
Delta R.T. -0.01 min
Lab File: BG040841.D
Acq: 10 May 2019 8:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.4	61.4	92.0
63	44.5	37.8	56.6

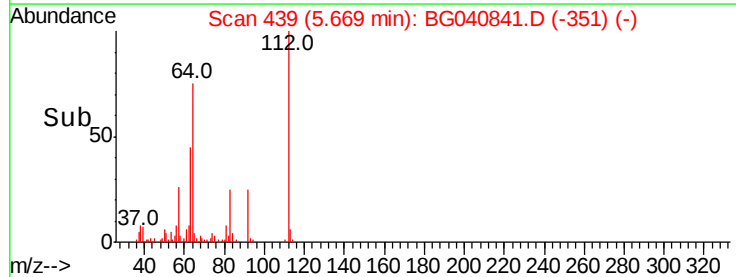
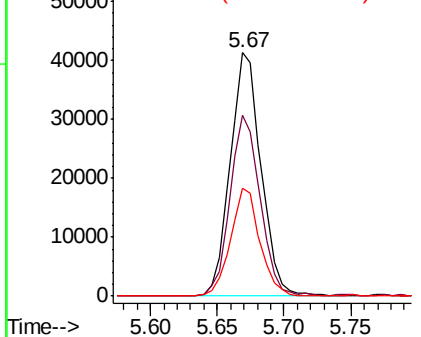


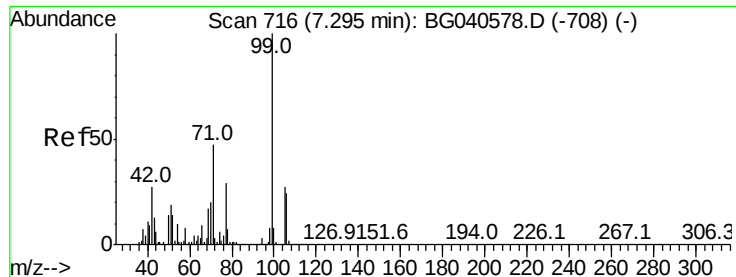
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 20.666 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040841.D

Acq: 10 May 2019 8:24

Instrument :

BNA_G

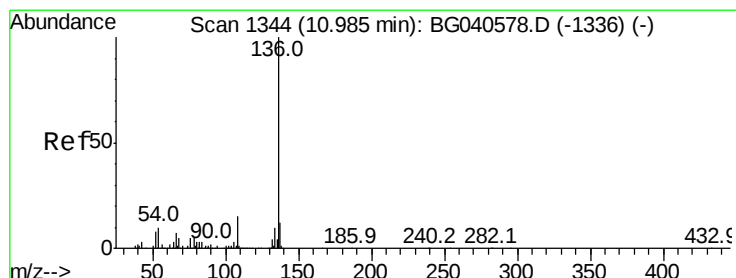
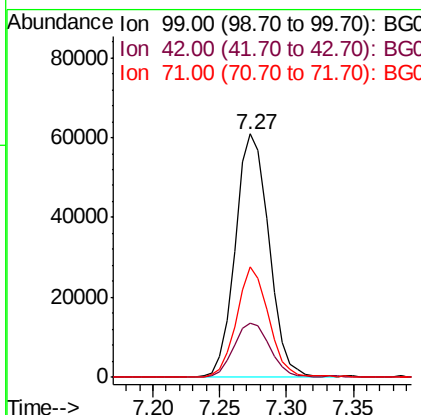
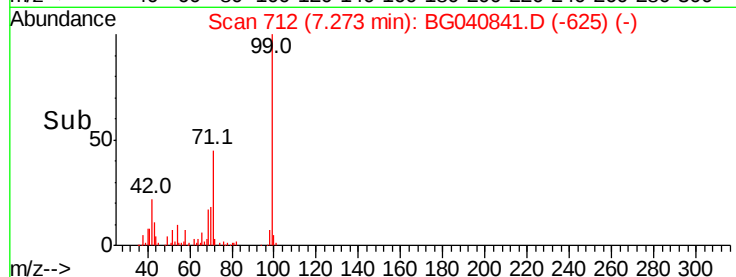
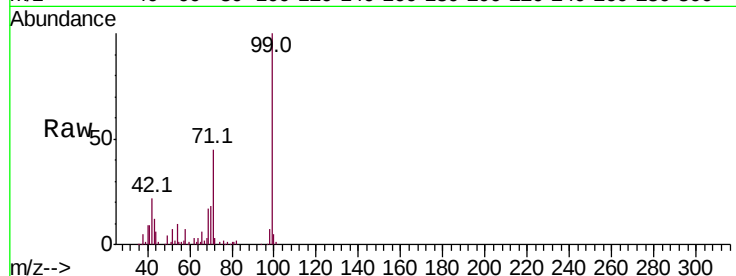
ClientSampleId :

PL-02-050719-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		106126		
42	22.3	21.8	32.8		
71	45.2	38.6	57.8		

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#21

Naphthalene-d8

Concen: 20.000 ng

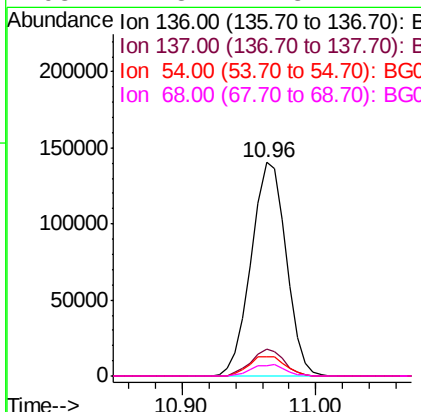
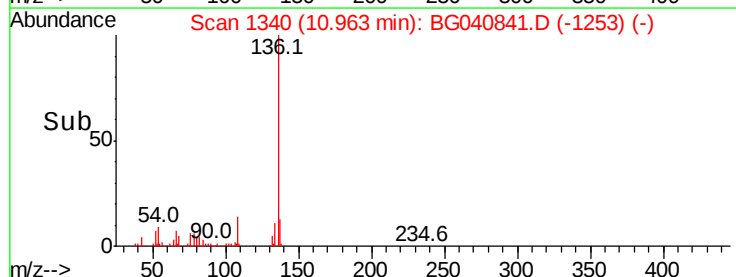
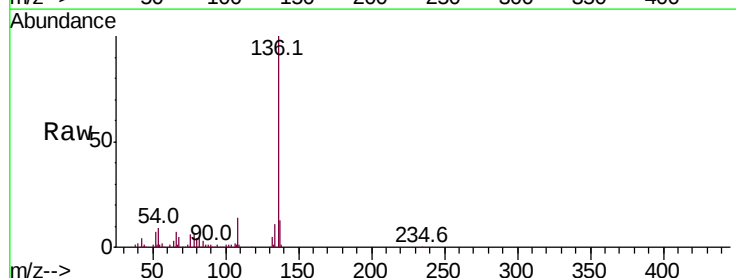
RT: 10.96 min Scan# 1340

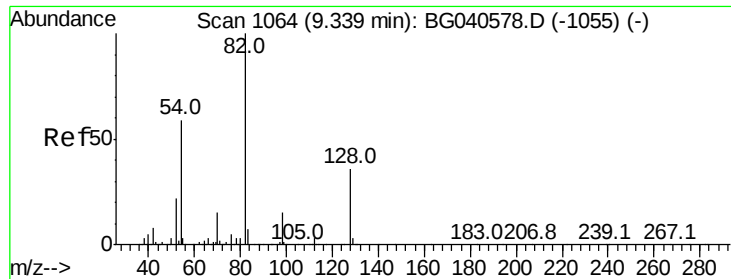
Delta R.T. -0.02 min

Lab File: BG040841.D

Acq: 10 May 2019 8:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		254567		
137	12.7	9.7	14.5		
54	9.0	8.6	12.8		
68	4.8	4.8	7.2#		





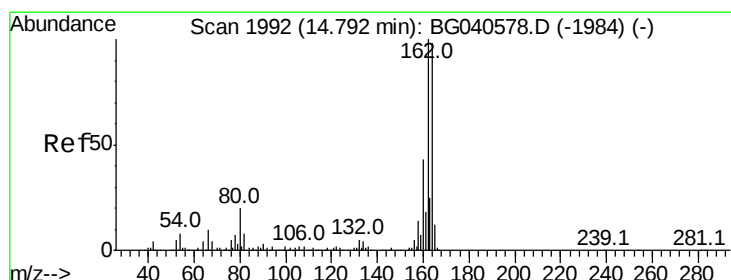
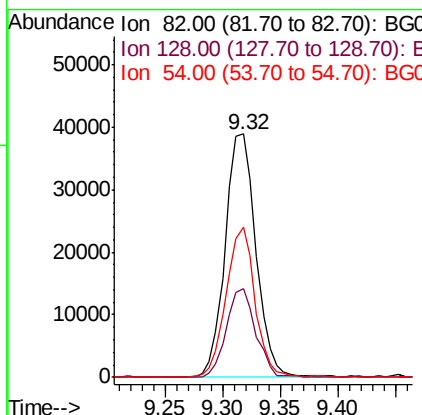
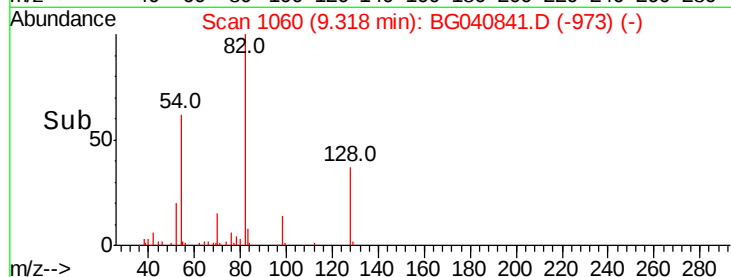
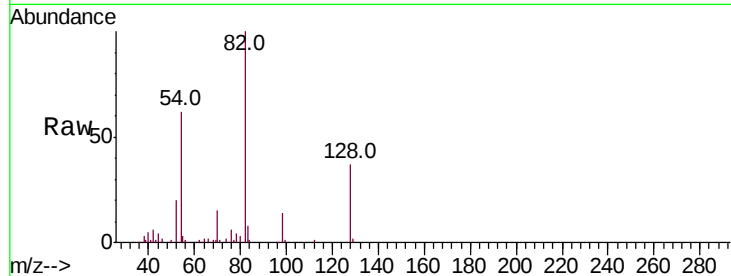
#23
 Nitrobenzene-d5
 Concen: 13.058 ng
 RT: 9.32 min Scan# 1060
 Delta R.T. -0.02 min
 Lab File: BG040841.D
 Acq: 10 May 2019 8:24

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-050719-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.6	28.9	43.3
54	61.7	47.2	70.8

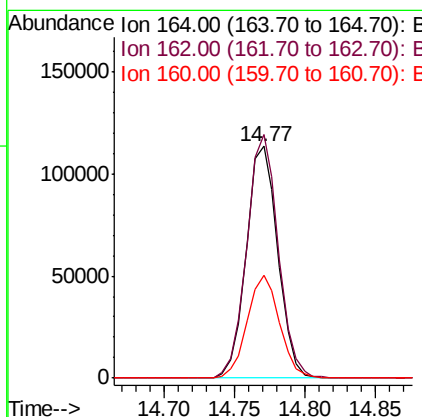
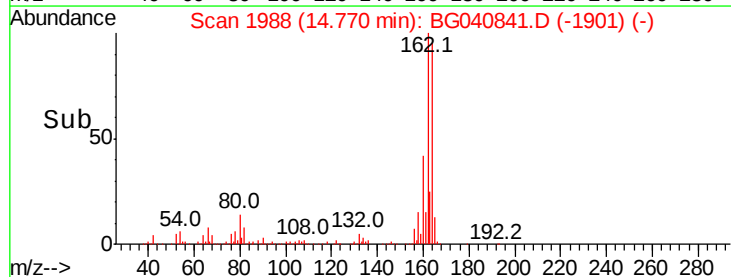
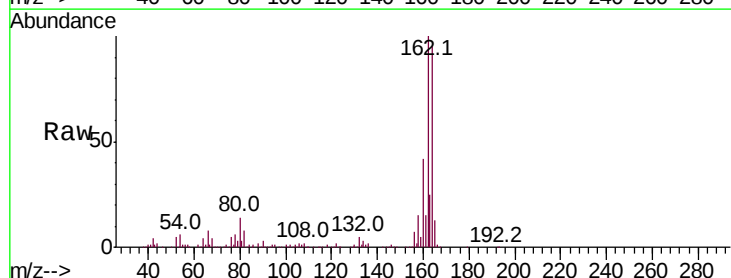
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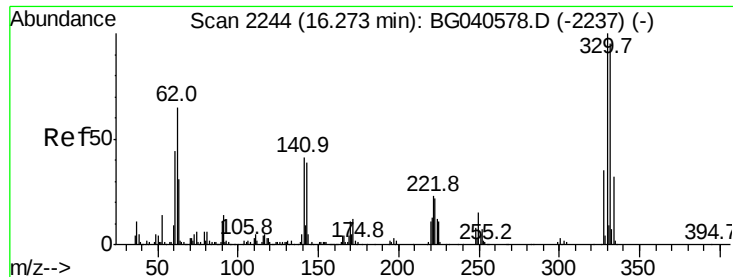
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.02 min
 Lab File: BG040841.D
 Acq: 10 May 2019 8:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	81.9	122.9
160	44.5	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 18.144 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040841.D

Acq: 10 May 2019 8:24

Instrument :

BNA_G

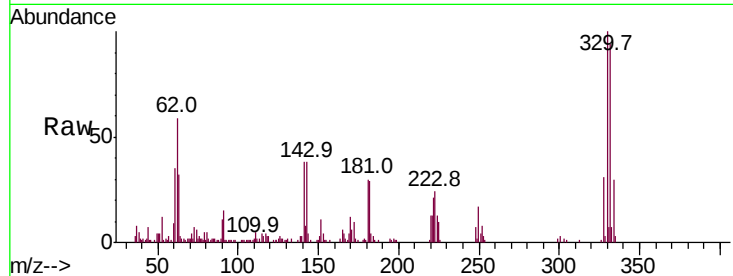
ClientSampled :

PL-02-050719-C

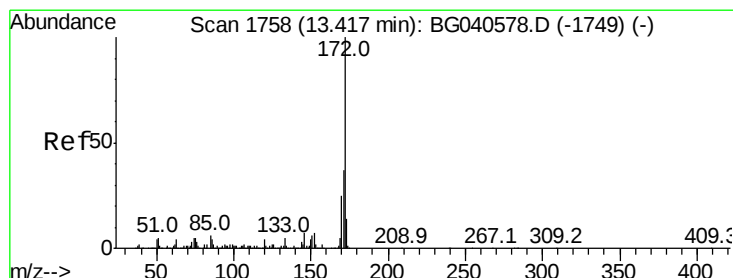
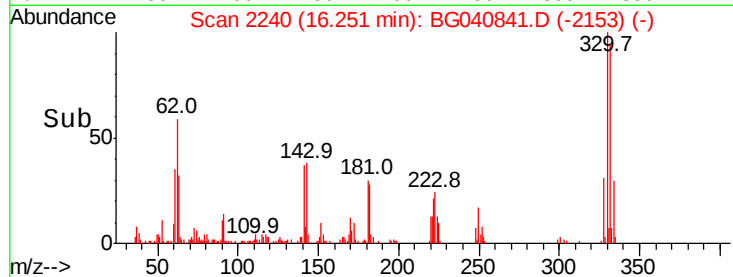
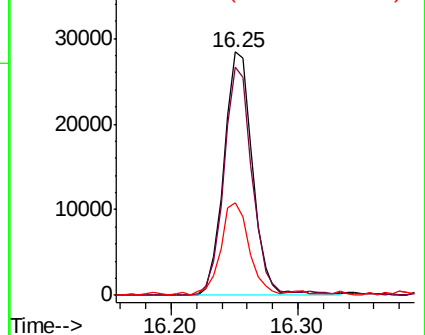
Tot Ion:	330	Resp:	44490
Ion Ratio	Lower	Upper	
330	100		
332	92.4	75.9	113.9
141	38.3	32.4	48.6

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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: 12.914 ng

RT: 13.40 min Scan# 1754

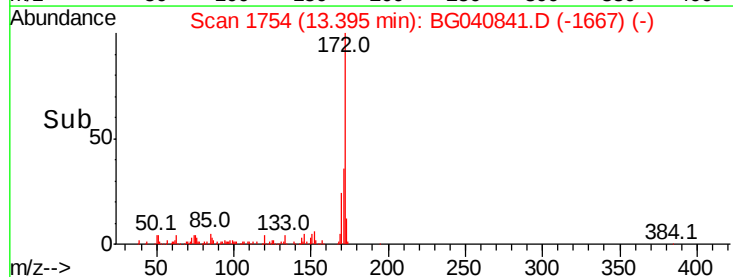
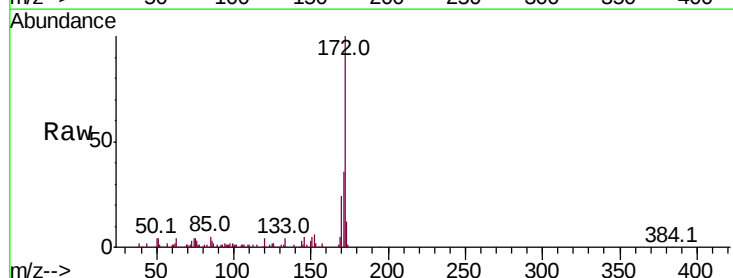
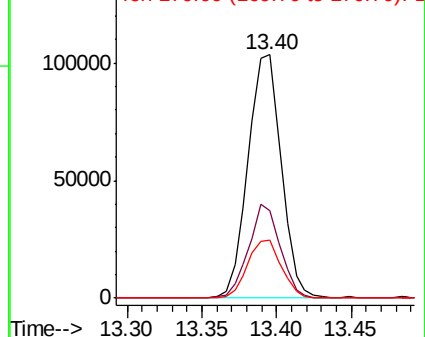
Delta R.T. -0.02 min

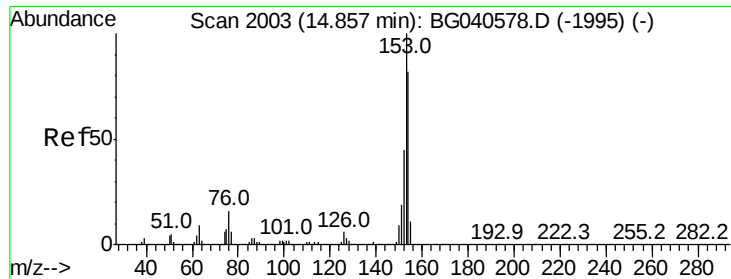
Lab File: BG040841.D

Acq: 10 May 2019 8:24

Tgt Ion:	172	Resp:	159520
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.4	44.2
170	23.6	19.9	29.9

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





#52

Acenaphthene

Concen: 2.103 ng

RT: 14.83 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BG040841.D

Acq: 10 May 2019 8:24

Instrument :

BNA_G

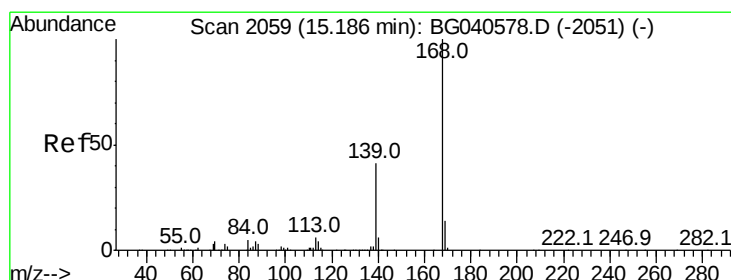
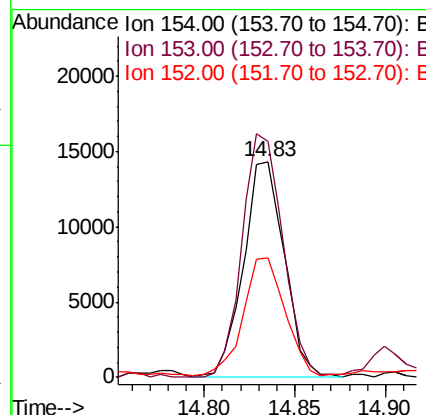
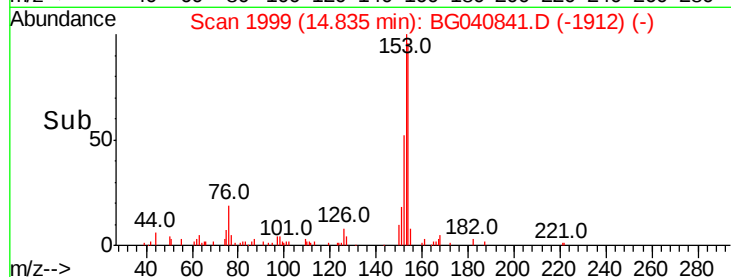
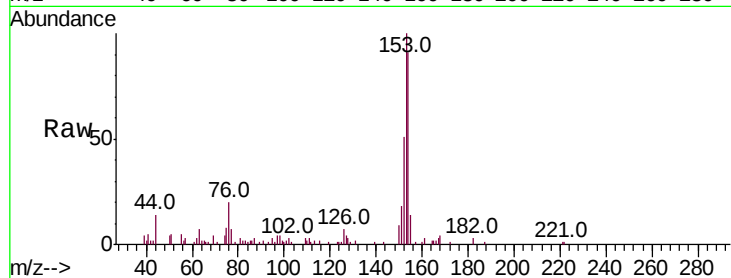
ClientSampleId :

PL-02-050719-C

Tot Ion:	154	Resp:	22522
Ion Ratio	Lower	Upper	
154	100		
153	109.4	97.0	145.6
152	55.5	44.1	66.1

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#55

Dibenzofuran

Concen: 2.005 ng

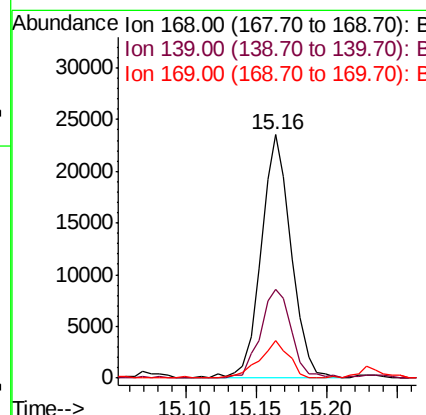
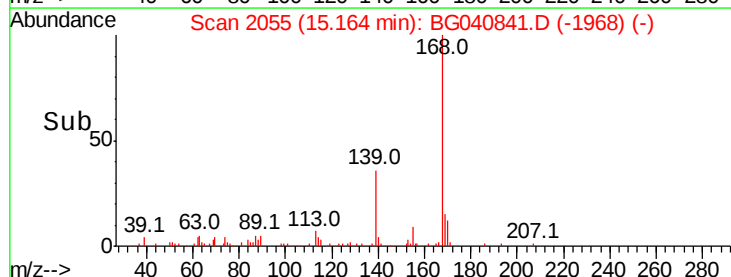
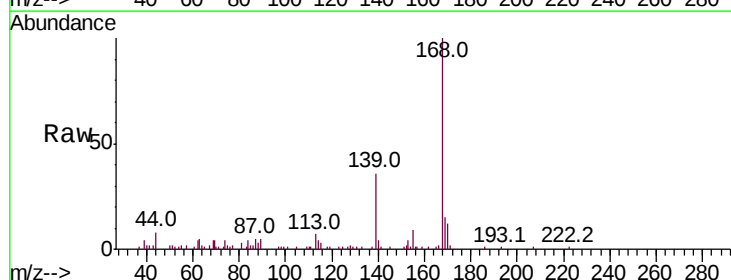
RT: 15.16 min Scan# 2055

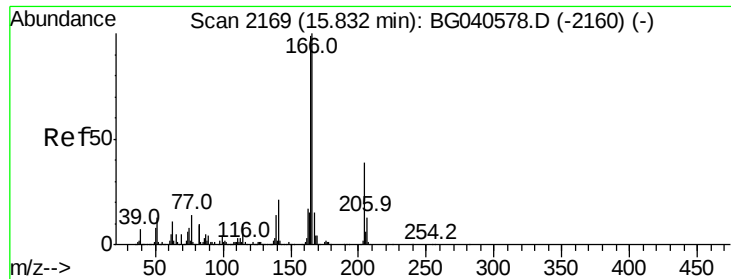
Delta R.T. -0.02 min

Lab File: BG040841.D

Acq: 10 May 2019 8:24

Tgt Ion:	168	Resp:	35167
Ion Ratio	Lower	Upper	
168	100		
139	36.5	33.0	49.4
169	15.4	11.0	16.4





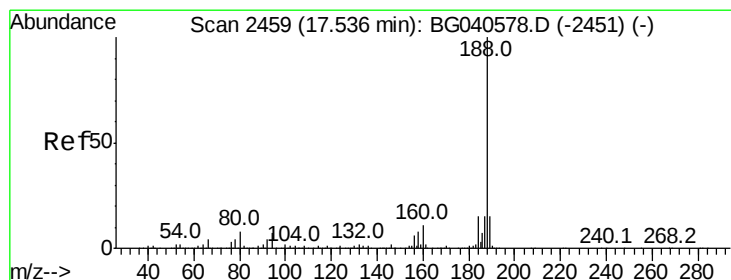
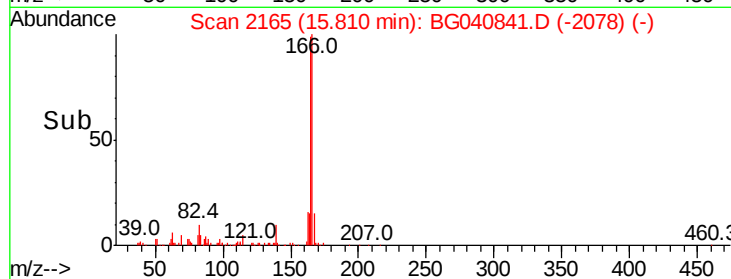
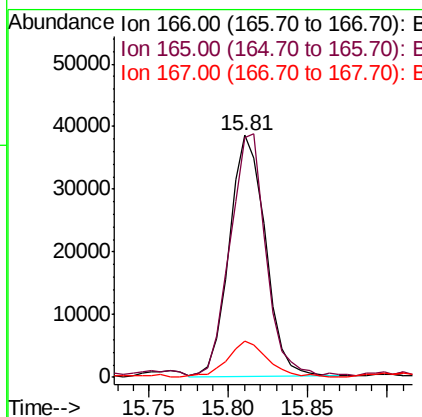
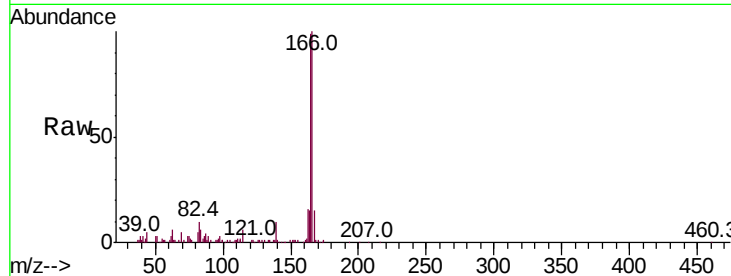
#58
Fluorene
 Concen: 4.270 ng
 RT: 15.81 min Scan# 2165
 Delta R.T. -0.02 min
 Lab File: BG040841.D
 Acq: 10 May 2019 8:24

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-050719-C

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.6	119.4
167	15.0	12.2	18.2

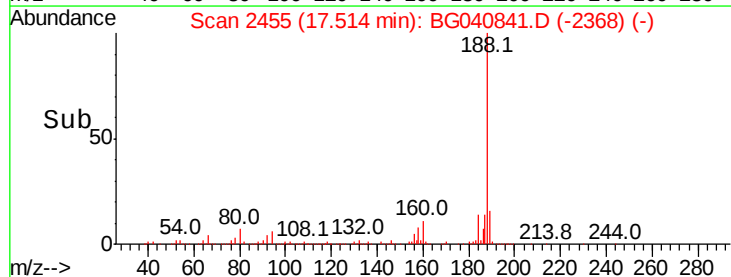
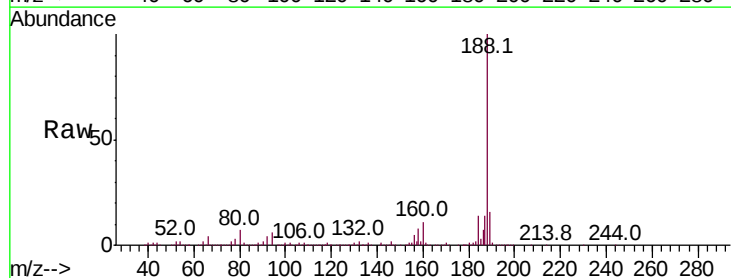
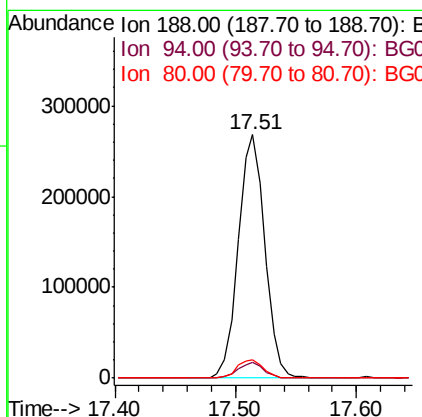
Manual Integrations
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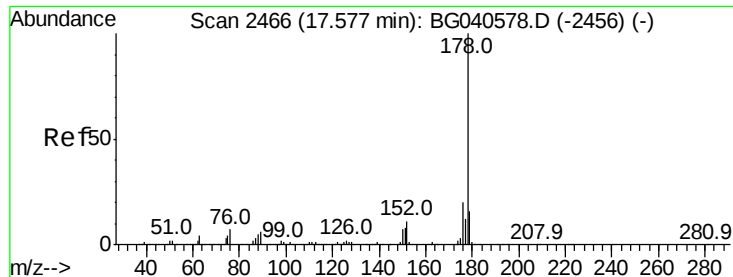
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040841.D
 Acq: 10 May 2019 8:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.6	8.4
80	7.3	6.4	9.6





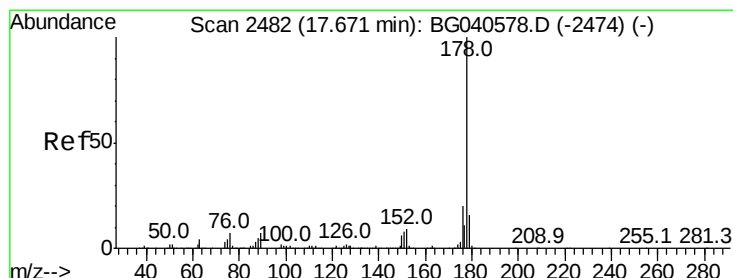
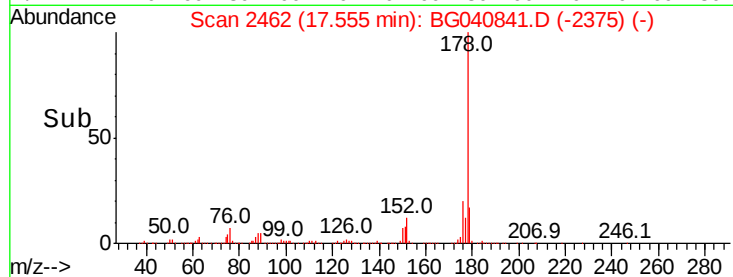
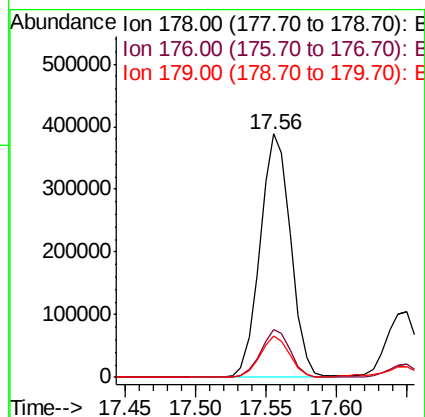
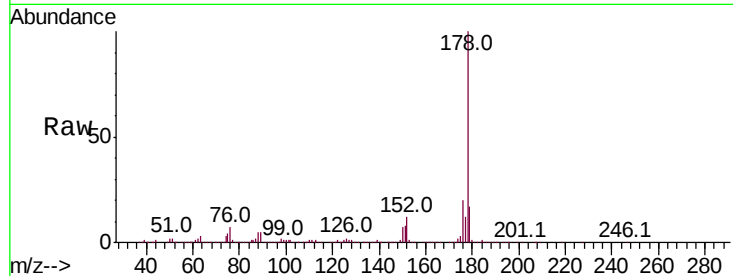
#71
Phenanthrene
Concen: 26.684 ng
RT: 17.56 min Scan# 2462
Delta R.T. -0.02 min
Lab File: BG040841.D
Acq: 10 May 2019 8:24

Instrument :
BNA_G
ClientSampleId :
PL-02-050719-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	16.9	12.6	18.8

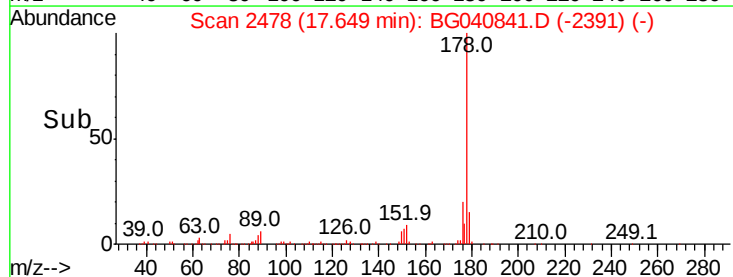
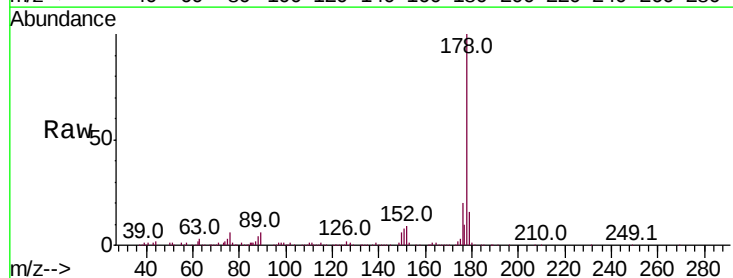
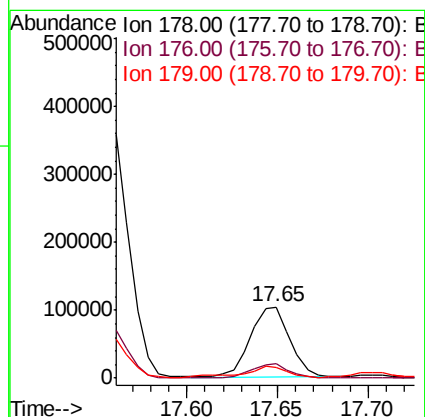
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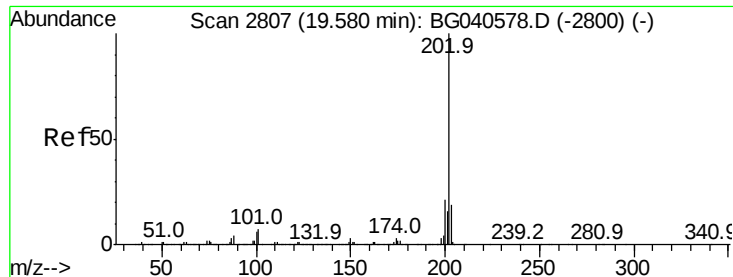
Sohil
5/13/2019 8:39:07 PM



#72
Anthracene
Concen: 7.042 ng
RT: 17.65 min Scan# 2478
Delta R.T. -0.02 min
Lab File: BG040841.D
Acq: 10 May 2019 8:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.6	23.4
179	15.7	12.9	19.3





#75

Fluoranthene

Concen: 38.119 ng

RT: 19.56 min Scan# 2803

Delta R.T. -0.02 min

Lab File: BG040841.D

Acq: 10 May 2019 8:24

Instrument :

BNA_G

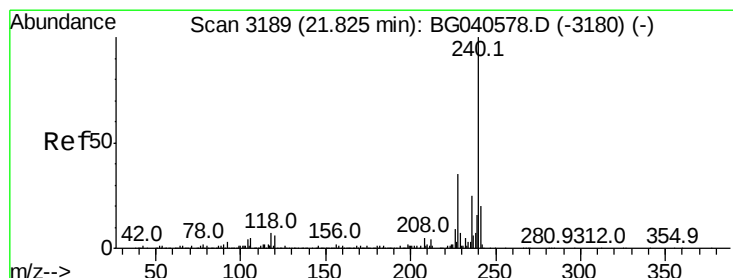
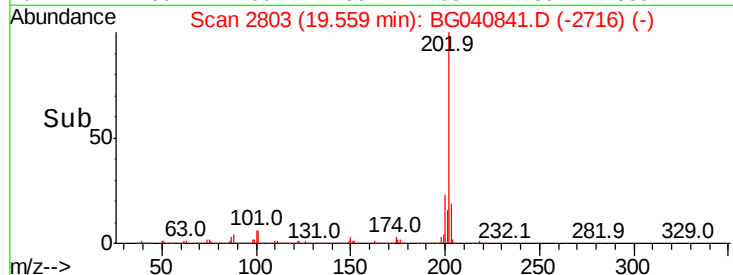
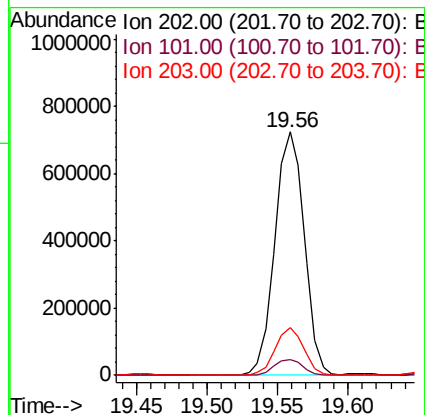
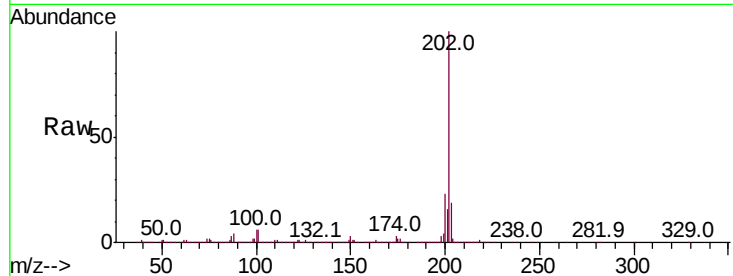
ClientSampleId :

PL-02-050719-C

Tot Ion:	202	Resp:	1053754
Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	27.5
203	19.4	0.0	39.3

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#76

Chrysene-d12

Concen: 20.000 ng

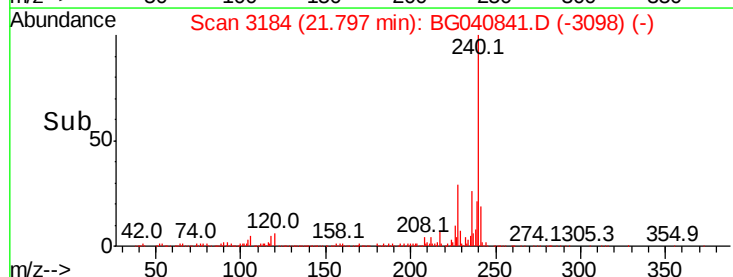
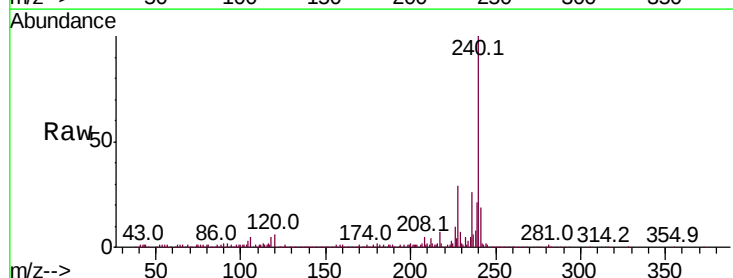
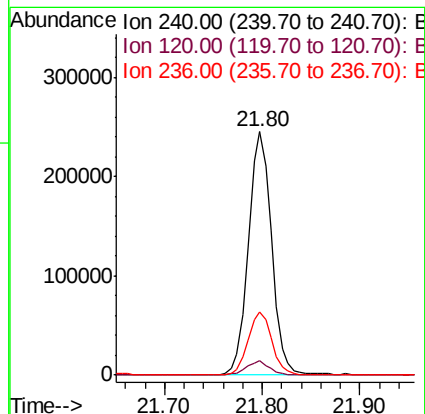
RT: 21.80 min Scan# 3184

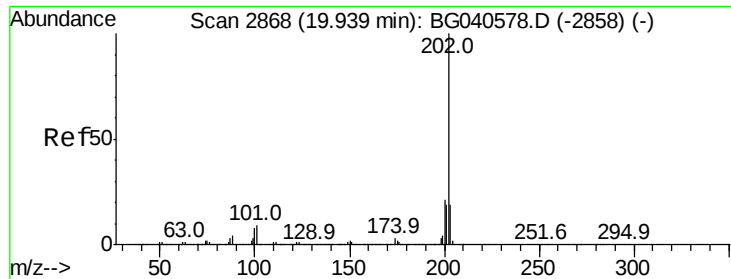
Delta R.T. -0.03 min

Lab File: BG040841.D

Acq: 10 May 2019 8:24

Tgt Ion:	240	Resp:	407113
Ion	Ratio	Lower	Upper
240	100		
120	6.0	5.0	7.6
236	25.7	20.3	30.5





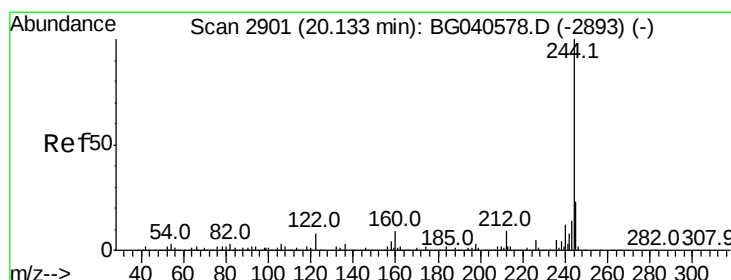
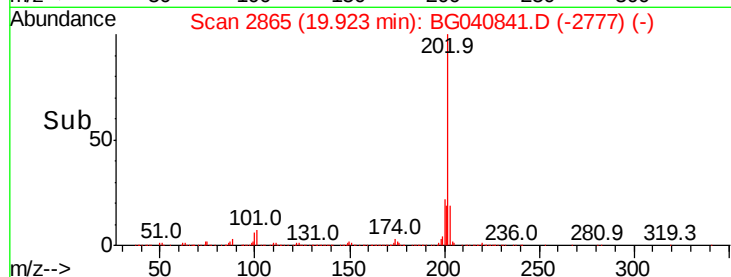
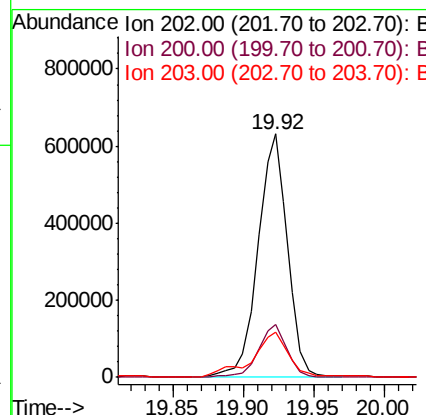
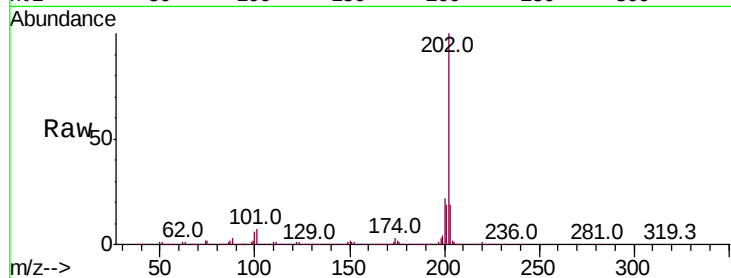
#78
Pvrene
Concen: 36.174 ng
RT: 19.92 min Scan# 2865
Delta R.T. -0.02 min
Lab File: BG040841.D
Acq: 10 May 2019 8:24

Instrument :
BNA_G
ClientSampleId :
PL-02-050719-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	17.2	25.8
203	18.7	15.0	22.4

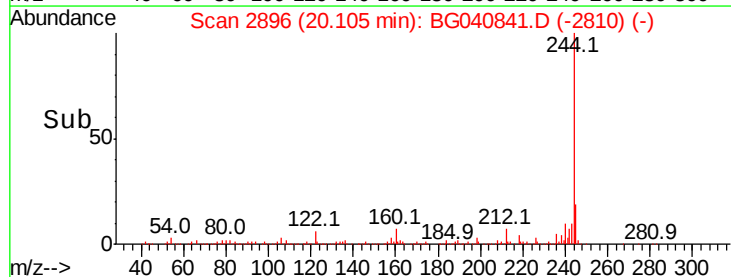
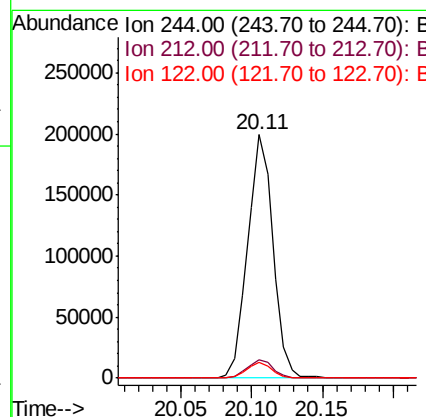
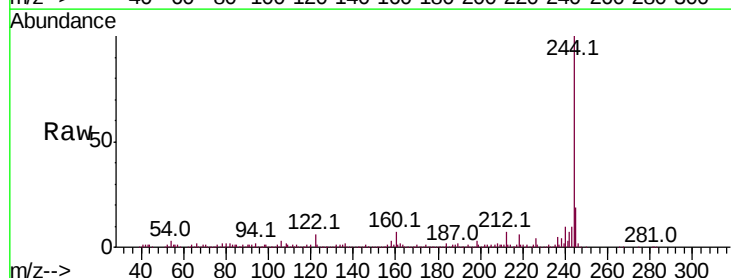
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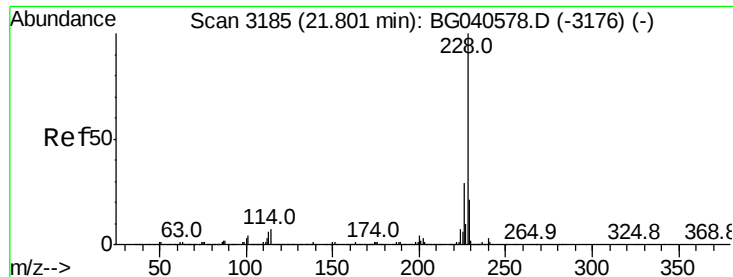
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#79
Terphenyl-d14
Concen: 13.663 ng
RT: 20.11 min Scan# 2896
Delta R.T. -0.03 min
Lab File: BG040841.D
Acq: 10 May 2019 8:24

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	7.2	10.8
122	6.4	6.6	10.0#





#81

Benzo(a)anthracene

Concen: 20.419 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.02 min

Lab File: BG040841.D

Acq: 10 May 2019 8:24

Instrument :

BNA_G

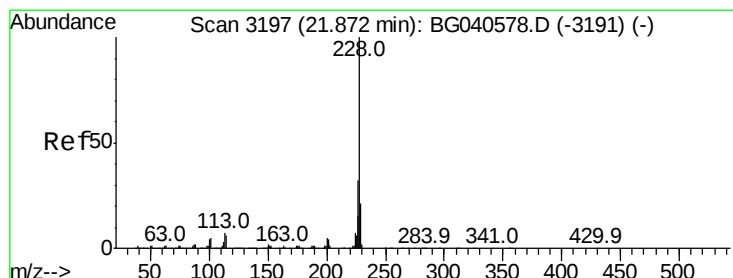
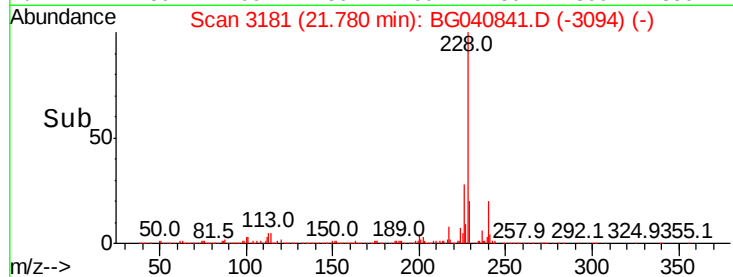
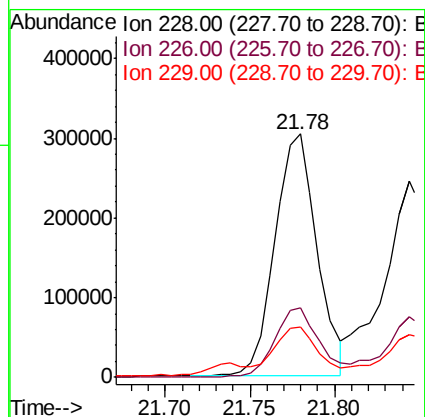
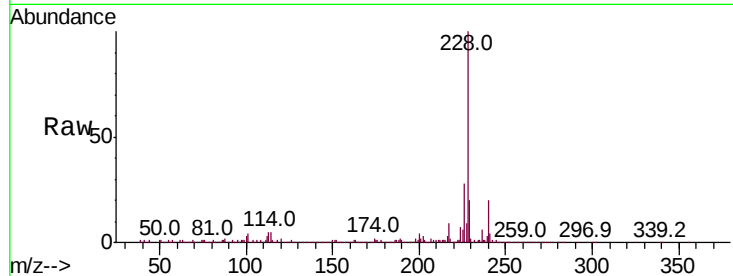
ClientSampleId :

PL-02-050719-C

Tot Ion:	228	Resp:	525388
Ion Ratio	Lower	Upper	
228	100		
226	28.5	23.1	34.7
229	20.4	17.0	25.4

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#83

Chrysene

Concen: 20.143 ng m

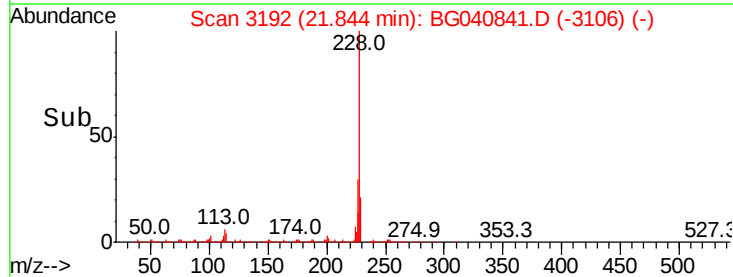
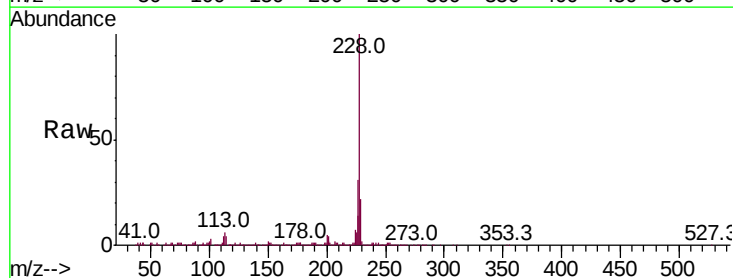
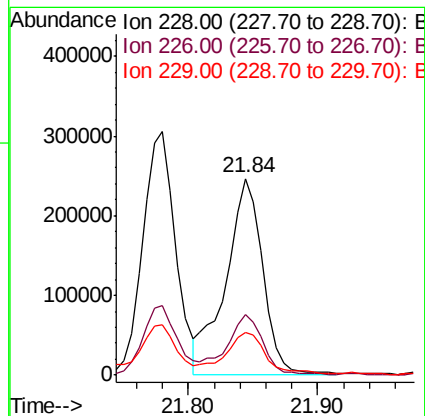
RT: 21.84 min Scan# 3192

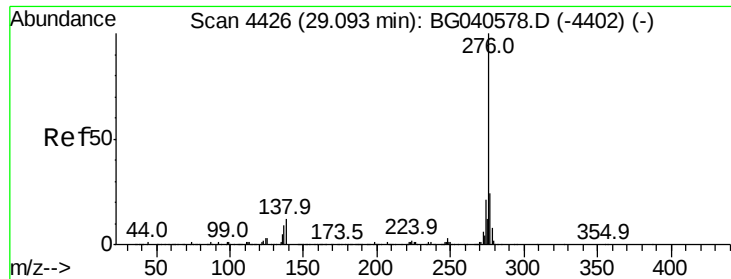
Delta R.T. -0.03 min

Lab File: BG040841.D

Acq: 10 May 2019 8:24

Tgt Ion:	228	Resp:	492886
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.5	38.3
229	22.0	16.8	25.2





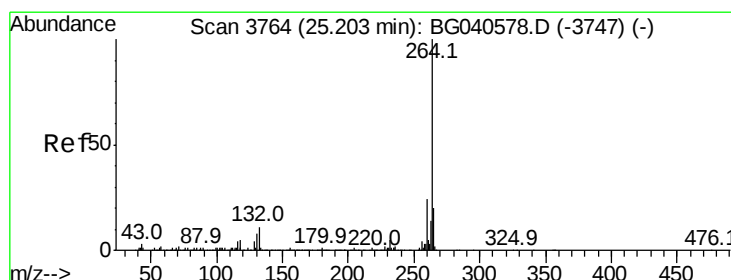
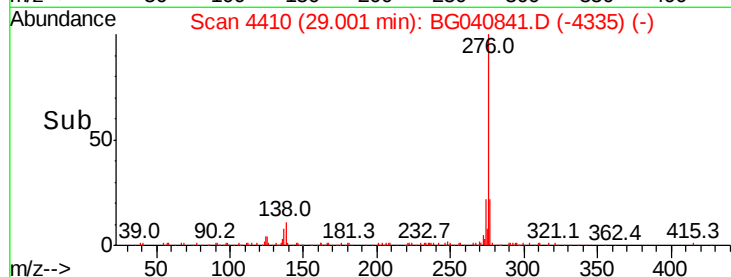
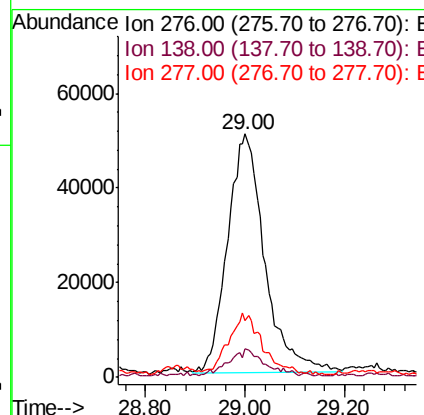
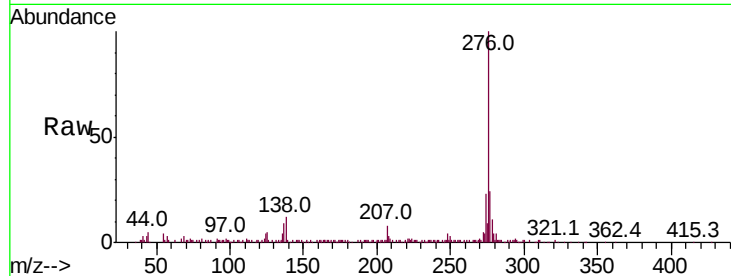
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.803 ng
RT: 29.00 min Scan# 4410
Delta R.T. -0.09 min
Lab File: BG040841.D
Acq: 10 May 2019 8:24

Instrument :
BNA_G
ClientSampleId :
PL-02-050719-C

Tot Ion	Ratio	Resp	Lower	Upper
276	100	260428		
138	9.7	9.8	14.6#	
277	22.2	17.3	25.9	

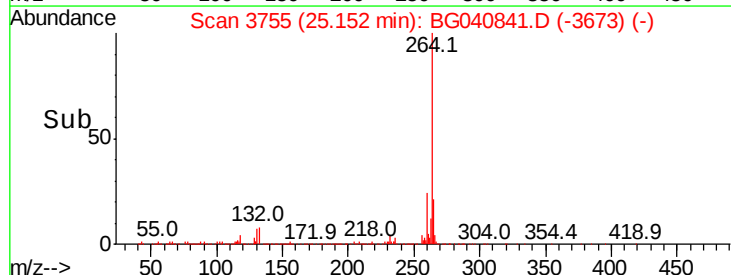
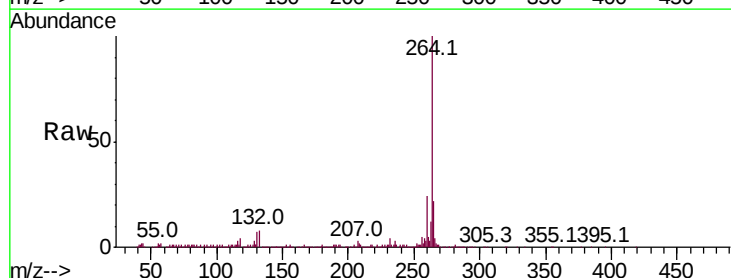
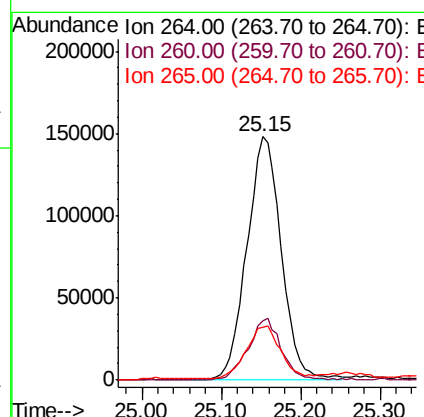
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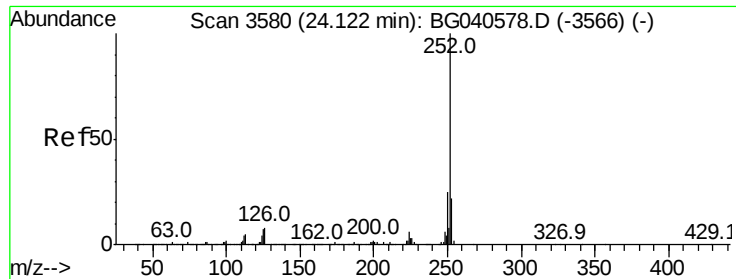
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#87
Perylene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3755
Delta R.T. -0.05 min
Lab File: BG040841.D
Acq: 10 May 2019 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	445871		
260	24.2	19.2	28.8	
265	21.7	16.6	25.0	





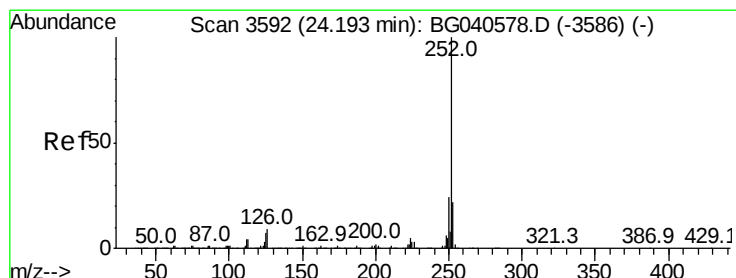
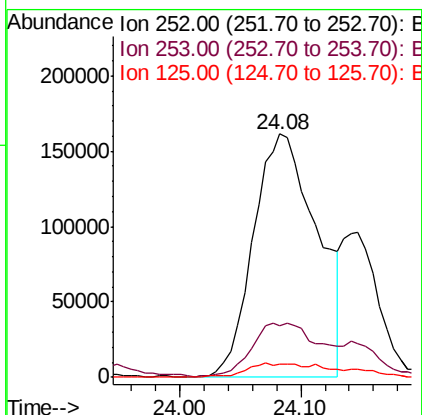
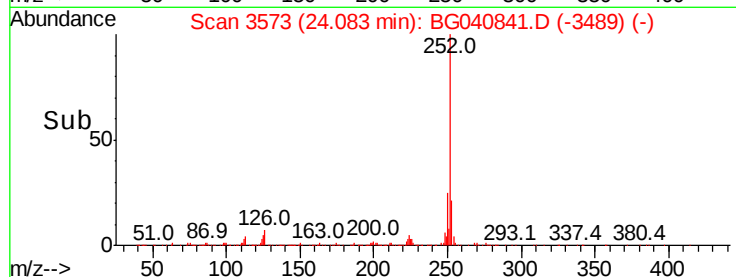
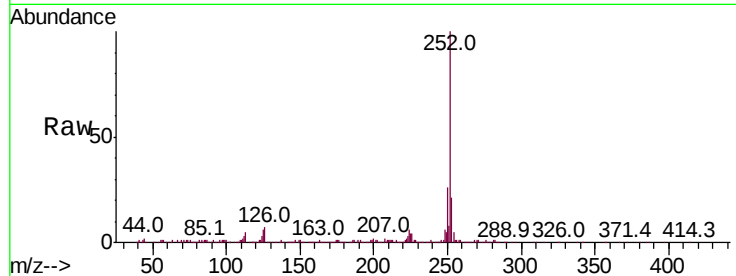
#88
Benzo(b)fluoranthene
Concen: 21.568 ng
RT: 24.08 min Scan# 3573
Delta R.T. -0.04 min
Lab File: BG040841.D
Acq: 10 May 2019 8:24

Instrument :
BNA_G
ClientSampleId :
PL-02-050719-C

Tot Ion:	252	Resp:	587650
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.6	26.4
125	5.5	5.4	8.0

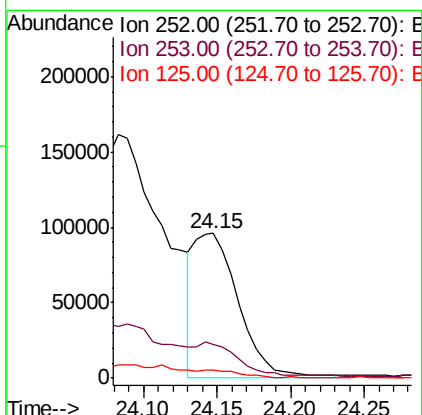
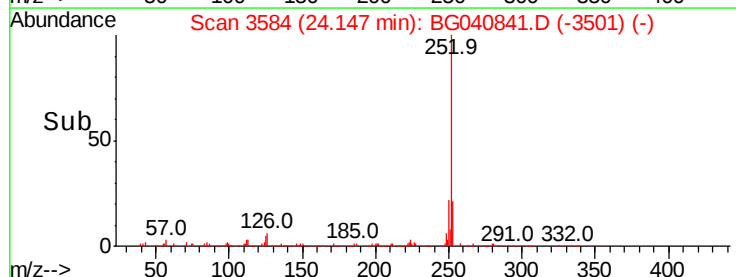
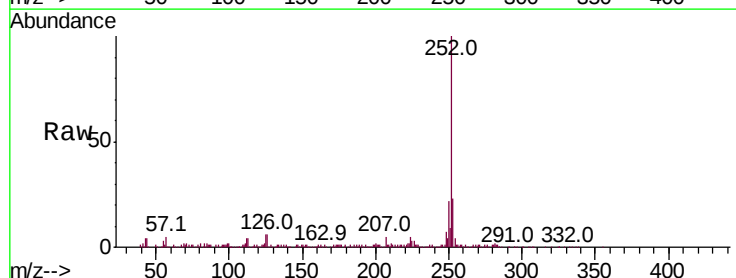
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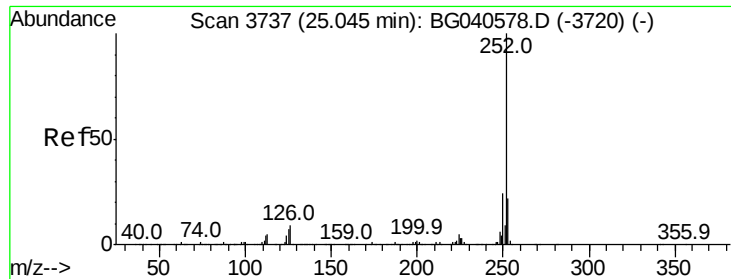
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#89
Benzo(k)fluoranthene
Concen: 7.934 ng m
RT: 24.15 min Scan# 3584
Delta R.T. -0.05 min
Lab File: BG040841.D
Acq: 10 May 2019 8:24

Tgt Ion:	252	Resp:	201882
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.6	26.4
125	5.6	5.5	8.3





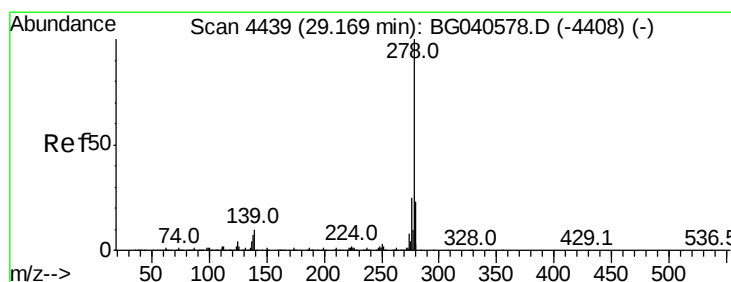
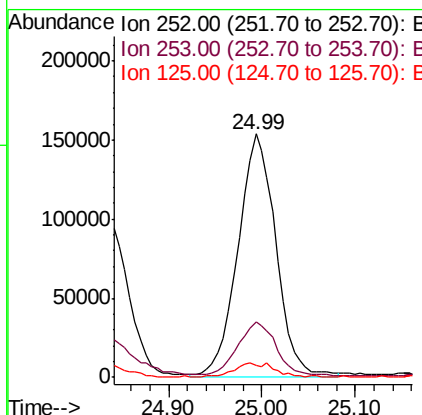
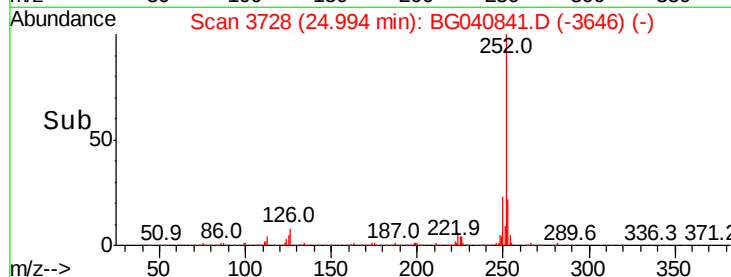
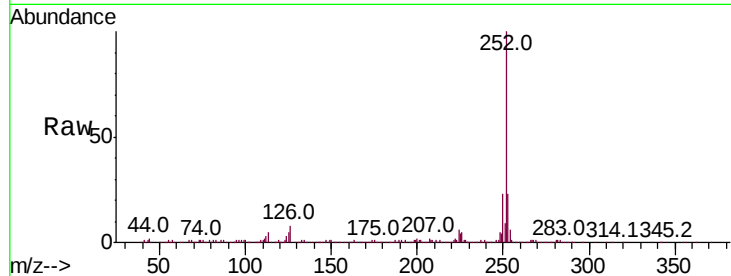
#90
Benzo(a)pyrene
Concen: 16.923 ng/ml
RT: 24.99 min Scan# 3728
Delta R.T. -0.05 min
Lab File: BG040841.D
Acq: 10 May 2019 8:24

Instrument :
BNA_G
ClientSampleId :
PL-02-050719-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	5.1	5.7	8.5

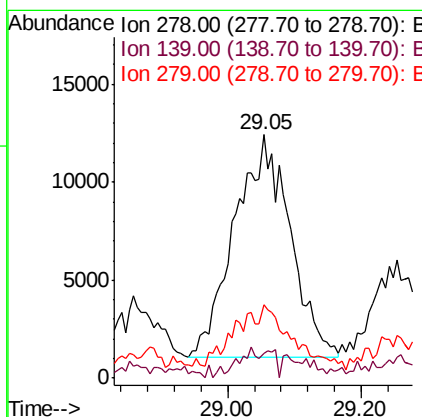
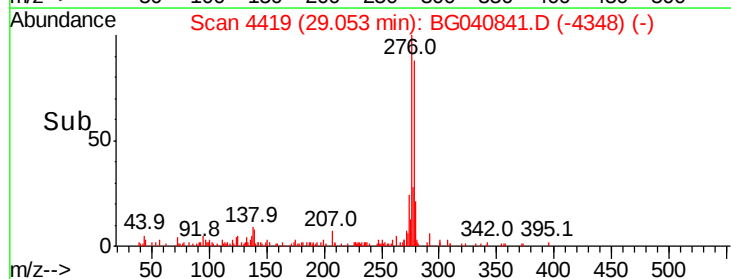
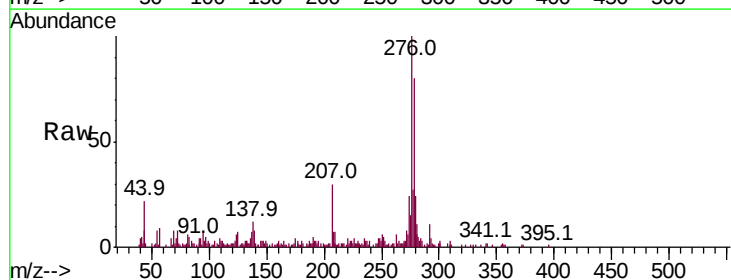
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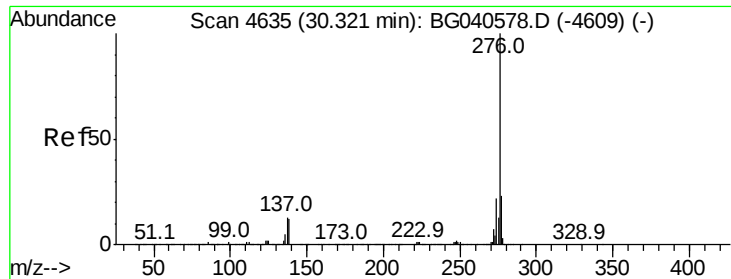
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#91
Dibenzo(a,h)anthracene
Concen: 2.485 ng
RT: 29.05 min Scan# 4419
Delta R.T. -0.12 min
Lab File: BG040841.D
Acq: 10 May 2019 8:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.3	8.2	12.4
279	30.0	18.5	27.7





#92
 Benzo(a,h,i)perylene
 Concen: 9.354 ng
 RT: 30.22 min Scan# 4617
 Delta R.T. -0.10 min
 Lab File: BG040841.D
 Acq: 10 May 2019 8:24

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-050719-C

Tot Ion:	276	Resp:	242969
Ion Ratio	Lower	Upper	
276	100		
277	22.4	18.4	27.6
138	12.2	9.8	14.6

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