

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
 Data File : BG042681.D
 Acq On : 2 Sep 2019 3:37
 Operator : HP/JU
 Sample : K4579-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAR-12-B1-B4-(0-3.5)

Manual Integrations
 APPROVED

mohammad
 9/6/2019 8:17:03 AM

Quant Time: Sep 02 08:42:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	31294	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	123762	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	95983	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	224280	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	241552	20.00	ng	-0.01
87) Perylene-d12	24.92	264	289057	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	136705	88.47	ng	0.00
7) Phenol-d6	7.16	99	181908	87.16	ng	-0.01
23) Nitrobenzene-d5	9.16	82	103446	57.76	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	130127	95.38	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	366044	64.50	ng	-0.01
79) Terphenyl-d14	20.02	244	679837	60.85	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.10	163	52766	7.619	ng	97
71) Phenanthrene	17.45	178	64062	5.750	ng	99
75) Fluoranthene	19.46	202	216325	15.911	ng	95
78) Pyrene	19.82	202	193634	13.075	ng	97
81) Benzo(a)anthracene	21.67	228	138349	9.415	ng	98
83) Chrysene	21.73	228	152052	10.730	ng	97
86) Indeno(1,2,3-cd)pyrene	28.63	276	114859	5.964	ng	# 95
88) Benzo(b)fluoranthene	23.90	252	230769	14.522	ng	97
89) Benzo(k)fluoranthene	23.95	252	72680m	4.758	ng	
90) Benzo(a)pyrene	24.77	252	144688	9.595	ng	97
91) Dibenzo(a,h)anthracene	28.67	278	32006	2.096	ng	93
92) Benzo(a,h,i)perylene	29.79	276	122544	8.025	ng	# 94

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

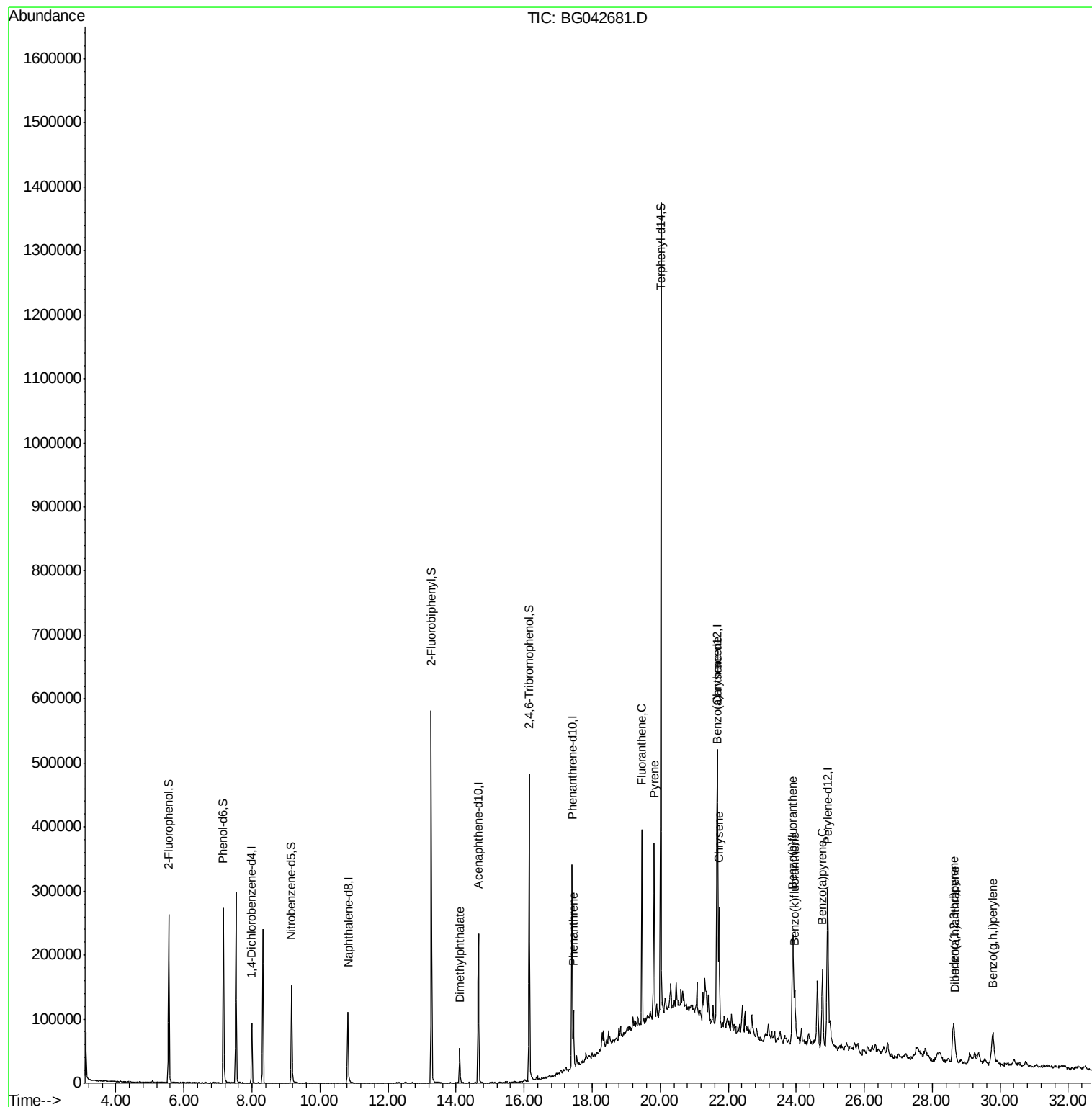
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
Data File : BG042681.D
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Operator : HP/JU
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#1

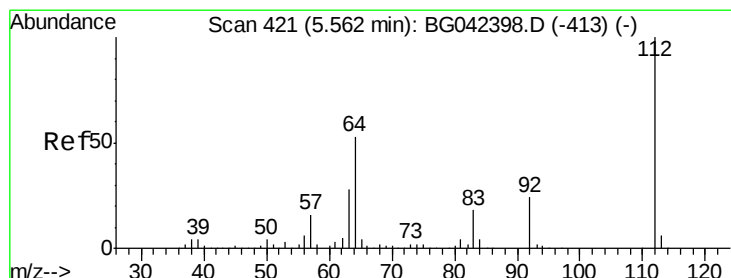
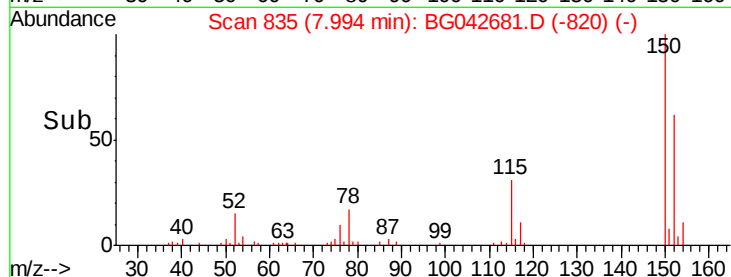
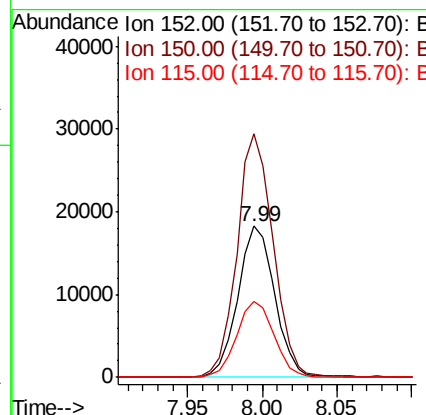
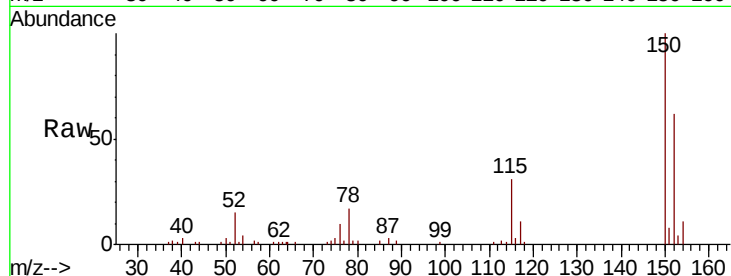
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.99 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BG042681.D
 Acq: 2 Sep 2019 3:37

Instrument :
 BNA_G
 ClientSampleId :
 PAR-12-B1-B4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.3	125.4	188.0
115	50.1	38.5	57.7

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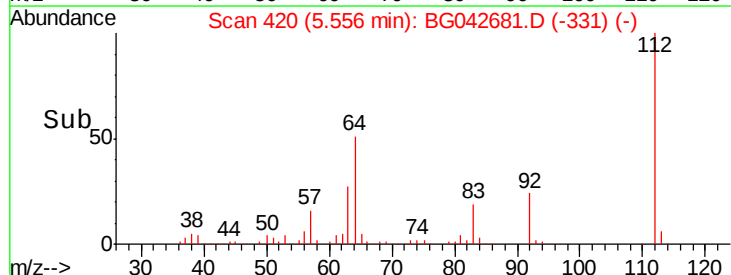
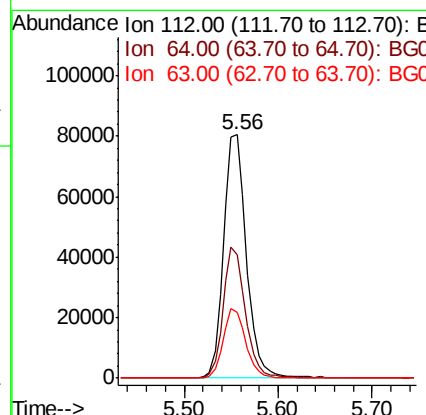
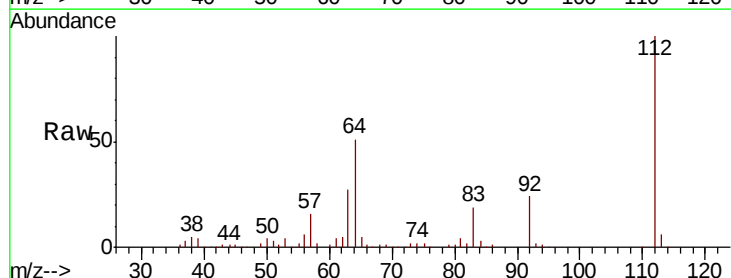
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#5

2-Fluorophenol
 Concen: 88.473 ng
 RT: 5.56 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BG042681.D
 Acq: 2 Sep 2019 3:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.7	42.8	64.2
63	27.1	22.7	34.1





#7

Phenol-d6

Concen: 87.156 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042681.D

Acq: 2 Sep 2019 3:37

Instrument :

BNA_G

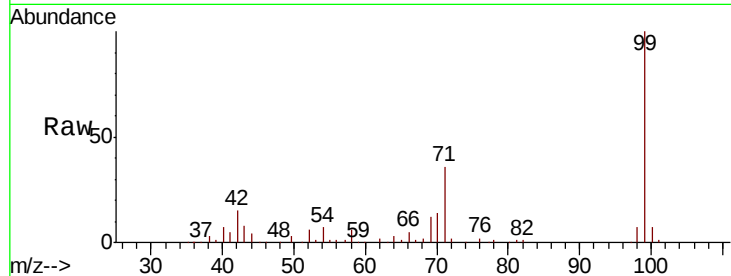
ClientSampleId :

PAR-12-B1-B4-(0-3.5)

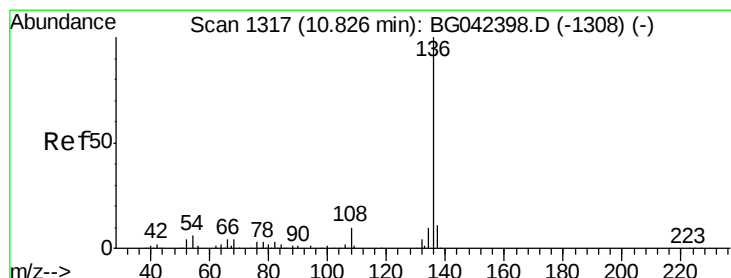
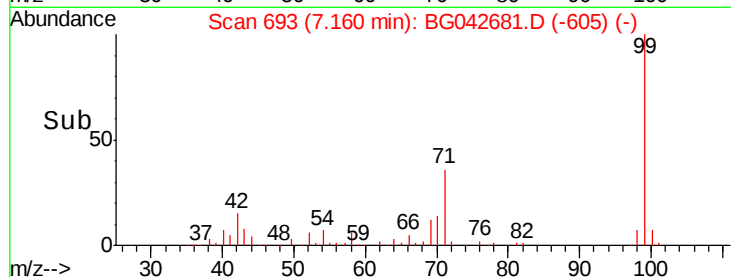
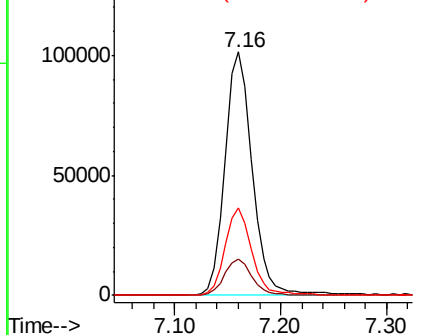
Tot Ion:	99	Resp:	181908
Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.0	18.0
71	35.8	26.3	39.5

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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

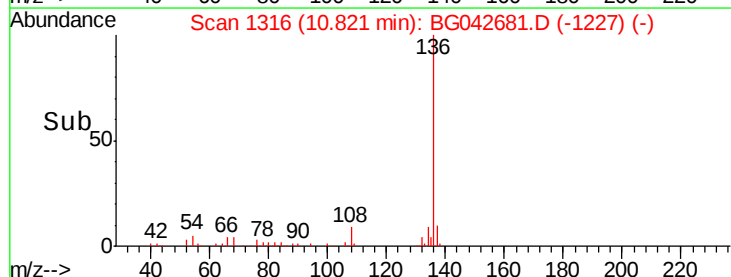
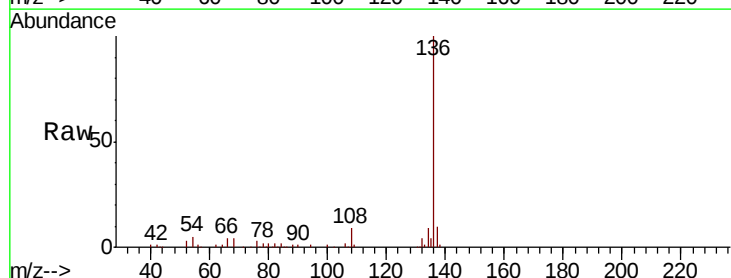
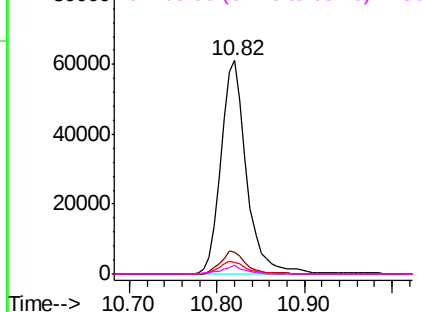
Delta R.T. -0.01 min

Lab File: BG042681.D

Acq: 2 Sep 2019 3:37

Tgt Ion:	136	Resp:	123762
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.7	13.1
54	5.4	4.9	7.3
68	4.0	3.6	5.4

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





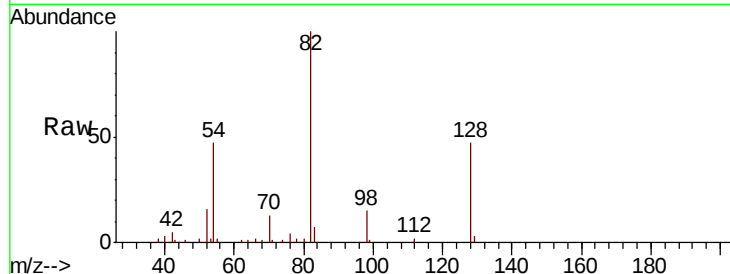
#23
Nitrobenzene-d5
Concen: 57.760 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042681.D
Acq: 2 Sep 2019 3:37

Instrument :
BNA_G
ClientSampleId :
PAR-12-B1-B4-(0-3.5)

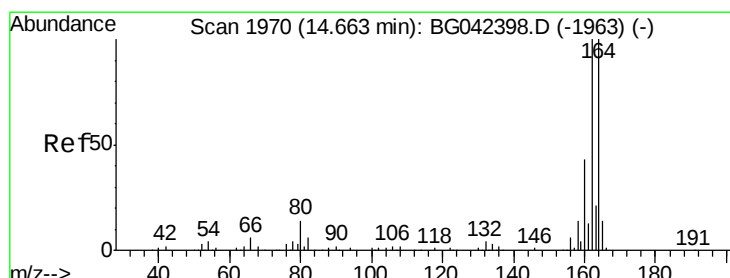
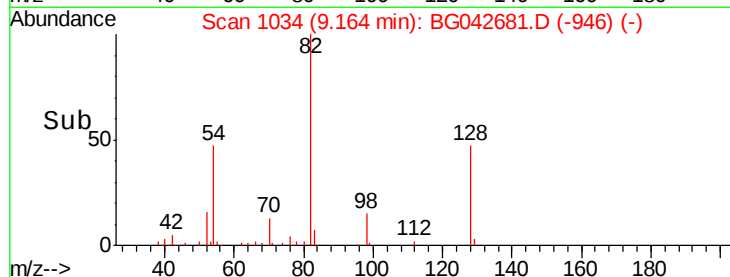
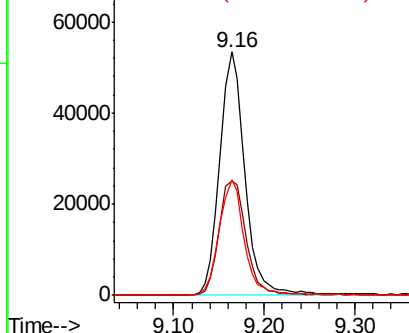
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	40.7	61.1
54	47.3	36.3	54.5

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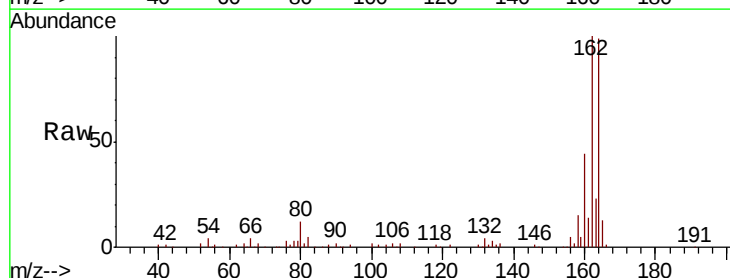


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

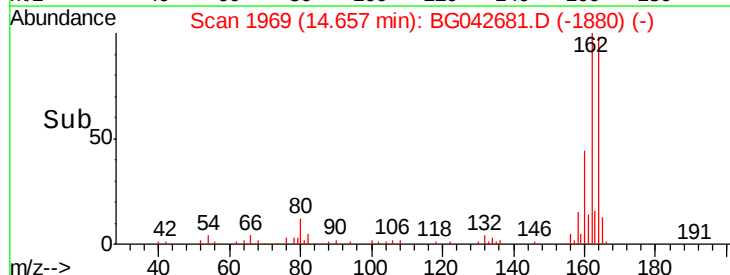
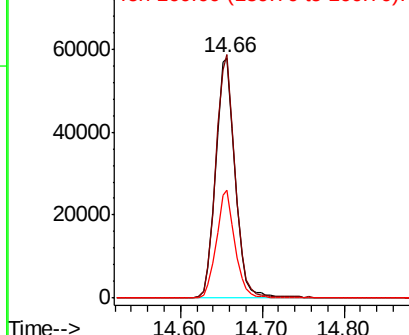


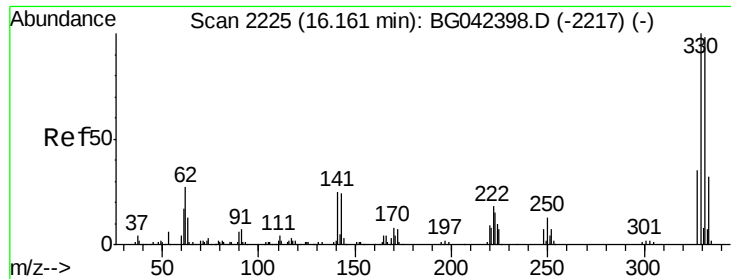
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042681.D
Acq: 2 Sep 2019 3:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	79.9	119.9
160	44.9	34.3	51.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





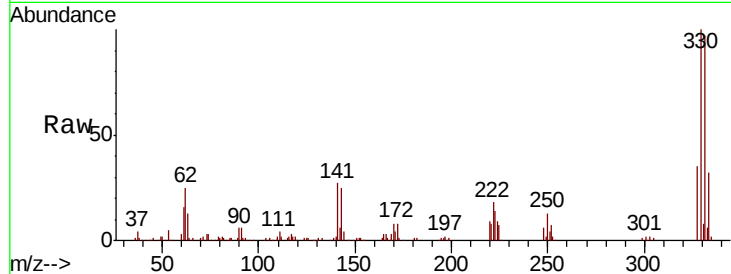
#42
 2,4,6-Tribromophenol
 Concen: 95.384 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042681.D
 Acq: 2 Sep 2019 3:37

Instrument :
 BNA_G
 ClientSampleId :
 PAR-12-B1-B4-(0-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	130127		
332	96.2	77.4	116.0	
141	26.9	21.4	32.0	

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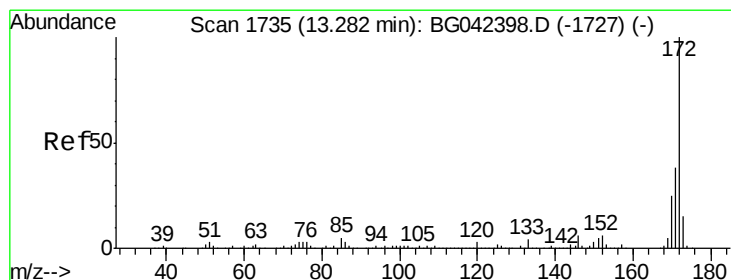
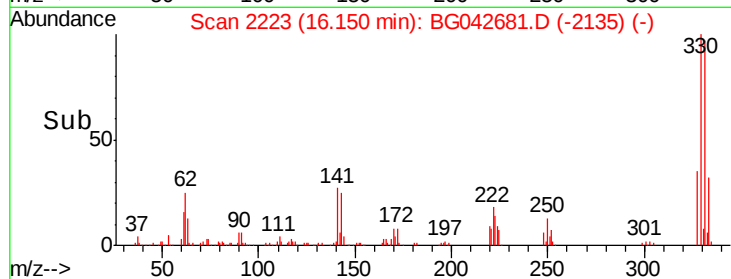
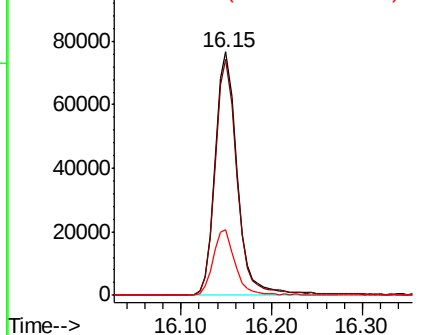


Abundance

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: 64.499 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG042681.D
 Acq: 2 Sep 2019 3:37

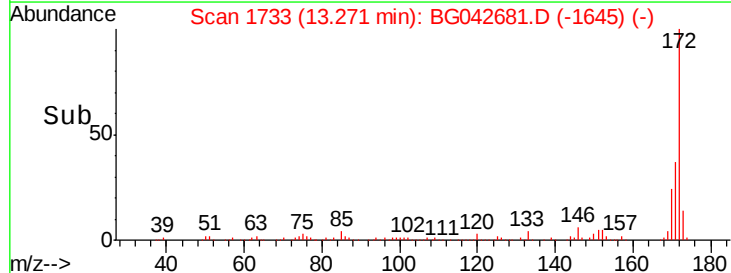
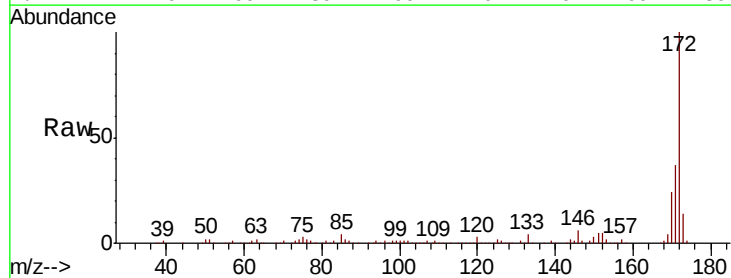
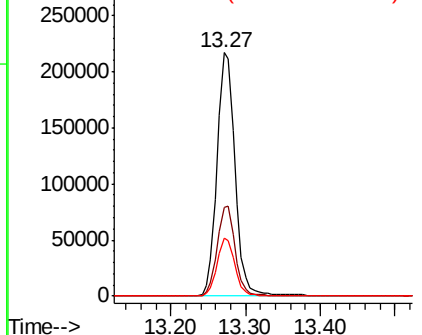
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	366044		
171	36.5	30.5	45.7	
170	23.9	20.2	30.2	

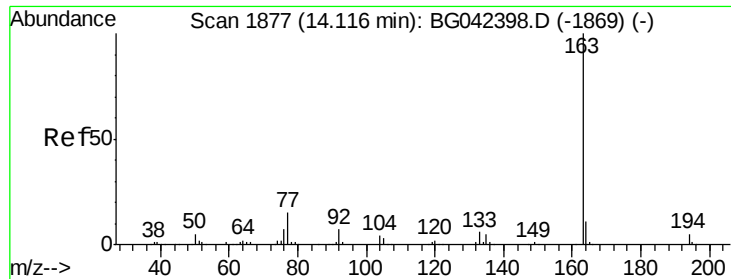
Abundance

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: 7.619 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042681.D

Acq: 2 Sep 2019 3:37

Instrument :

BNA_G

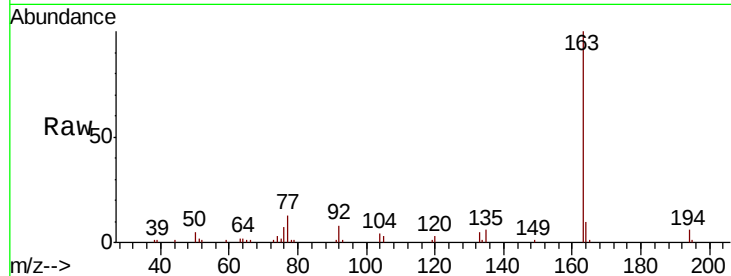
ClientSampleId :

PAR-12-B1-B4-(0-3.5)

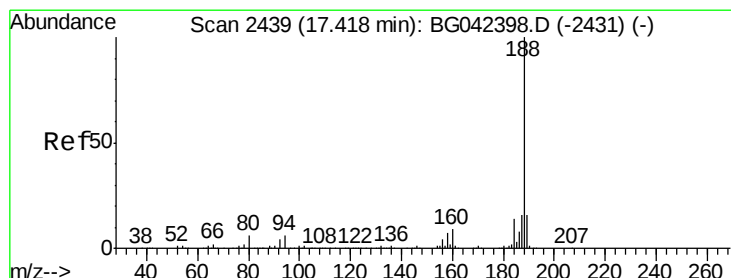
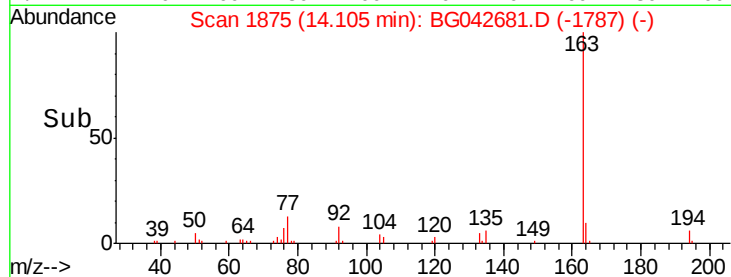
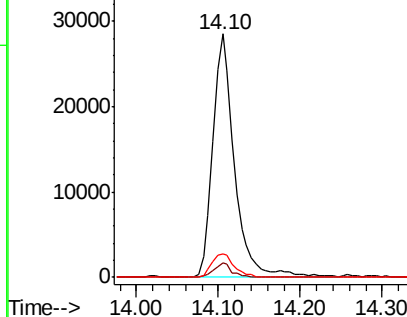
Tot Ion:	163	Resp:	52766
Ion Ratio	Lower	Upper	
163	100		
194	6.0	4.2	6.2
164	9.6	8.8	13.2

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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# 2437

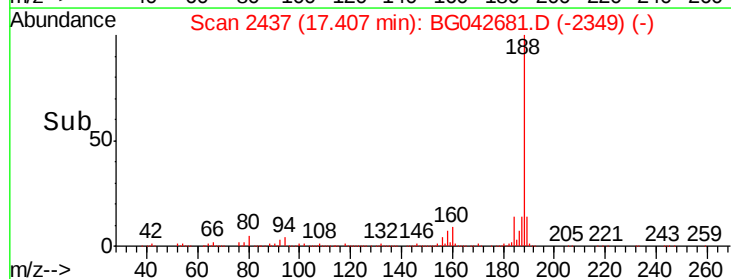
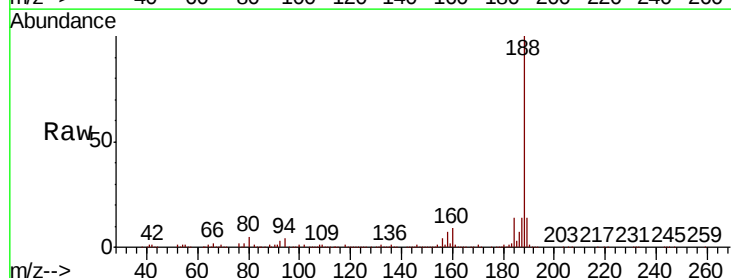
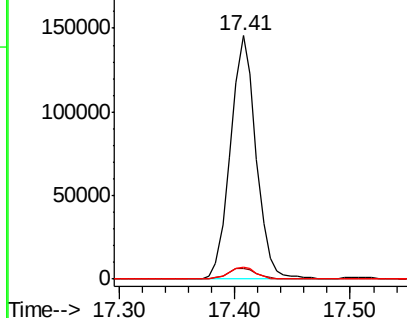
Delta R.T. -0.01 min

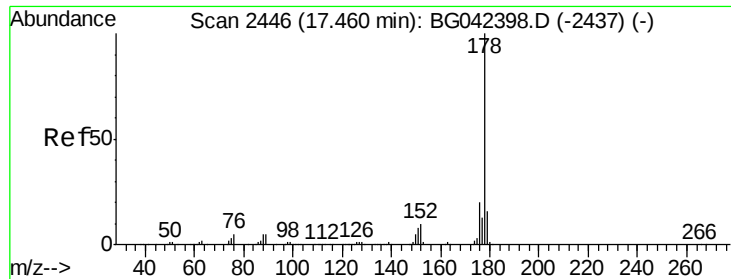
Lab File: BG042681.D

Acq: 2 Sep 2019 3:37

Tgt Ion:	188	Resp:	224280
Ion Ratio	Lower	Upper	
188	100		
94	4.4	4.5	6.7#
80	5.1	4.9	7.3

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: 5.750 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG042681.D

Acq: 2 Sep 2019 3:37

Instrument :

BNA_G

ClientSampleId :

PAR-12-B1-B4-(0-3.5)

Tot Ion:178 Resp: 64062

Ion Ratio Lower Upper

178 100

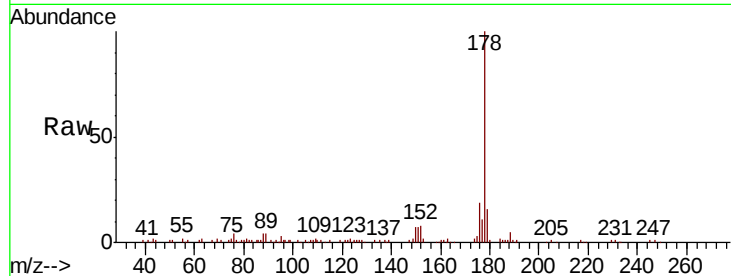
176 19.4 15.9 23.9

179 15.6 12.7 19.1

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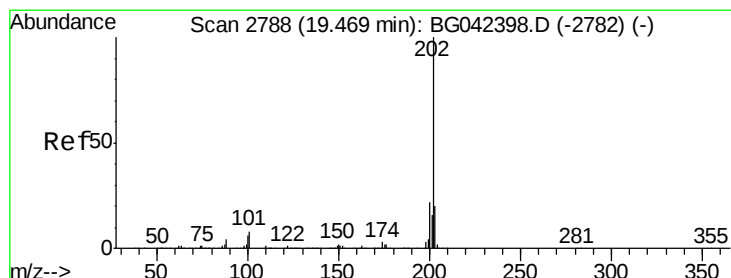
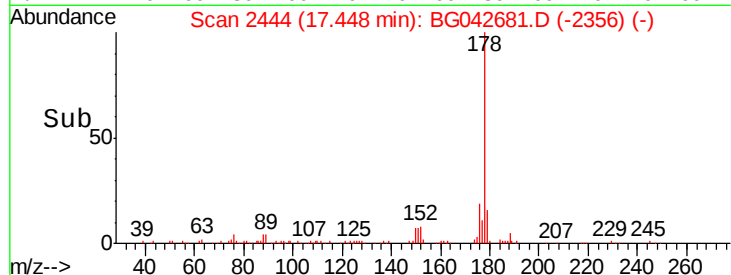
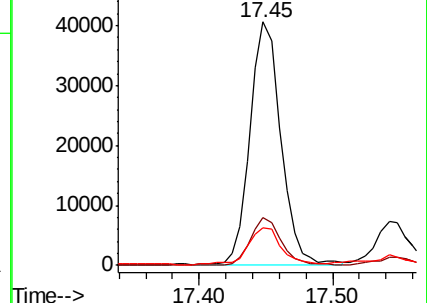
9/6/2019 8:17:03 AM



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: 15.911 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042681.D

Acq: 2 Sep 2019 3:37

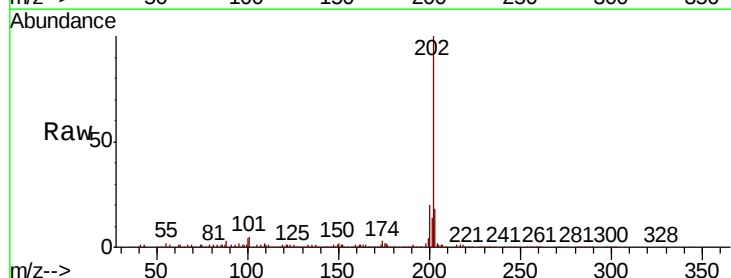
Tgt Ion:202 Resp: 216325

Ion Ratio Lower Upper

202 100

101 5.5 0.0 28.3

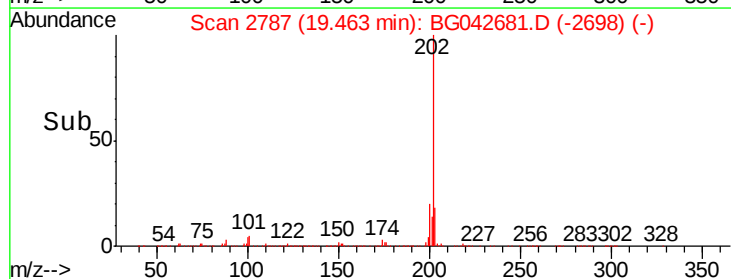
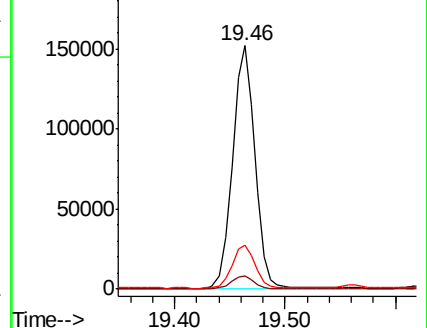
203 18.2 0.0 39.6

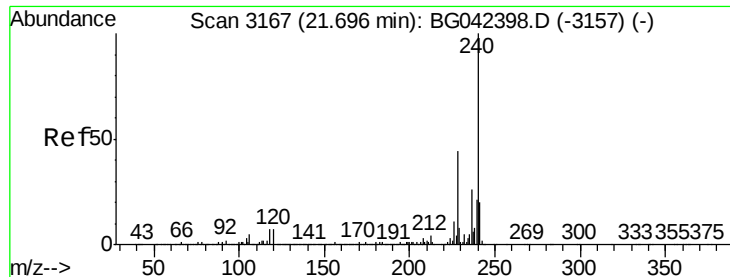


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





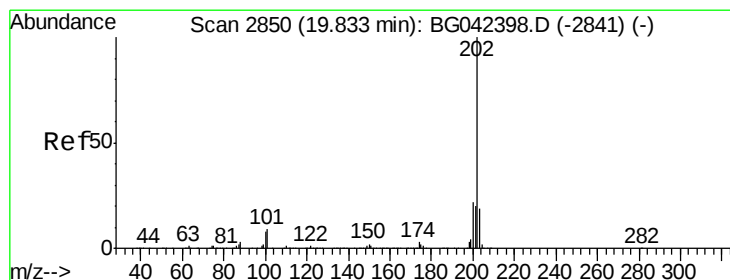
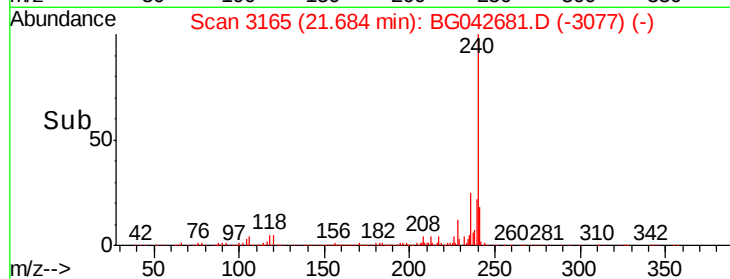
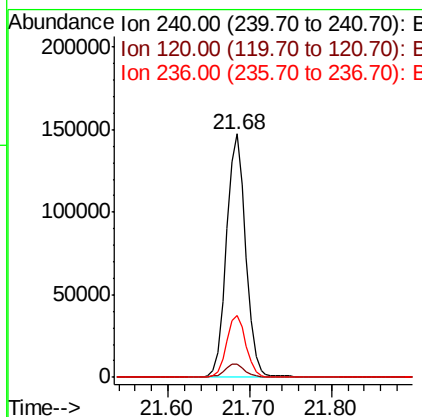
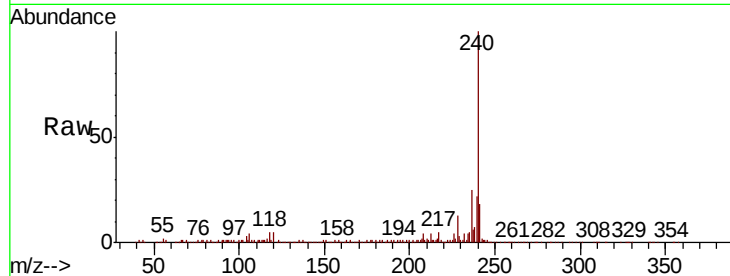
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042681.D
Acq: 2 Sep 2019 3:37

Instrument :
BNA_G
ClientSampleId :
PAR-12-B1-B4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.5	5.7	8.5#
236	25.4	21.0	31.4

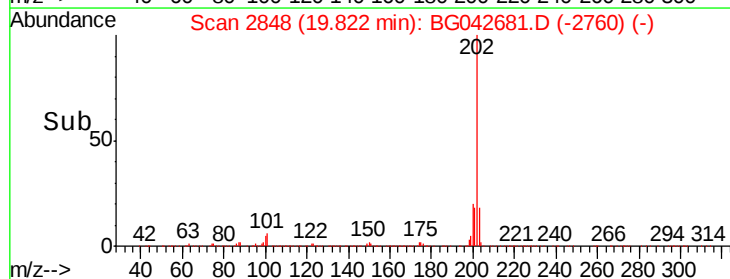
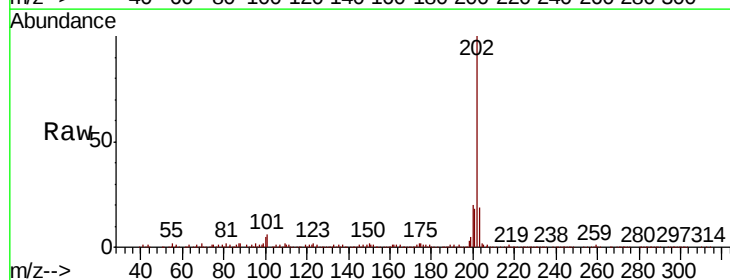
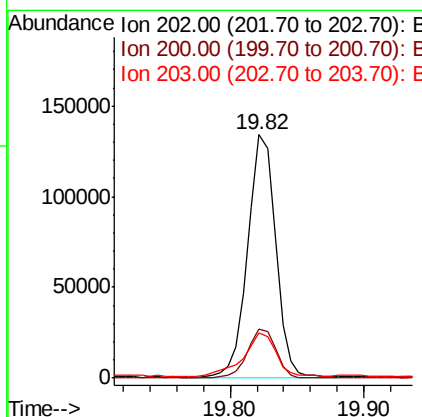
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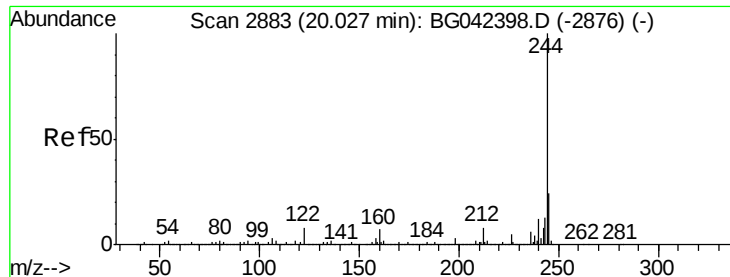
mohammad
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#78
Pyrene
Concen: 13.075 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG042681.D
Acq: 2 Sep 2019 3:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.8	26.6
203	18.6	15.5	23.3





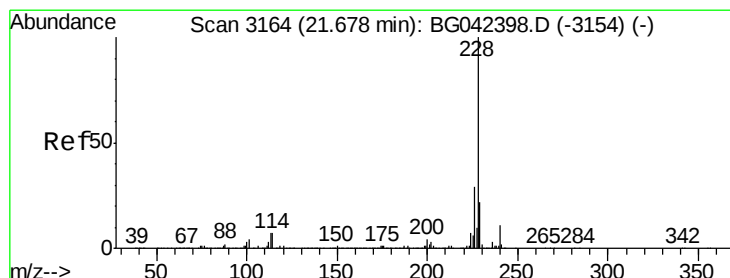
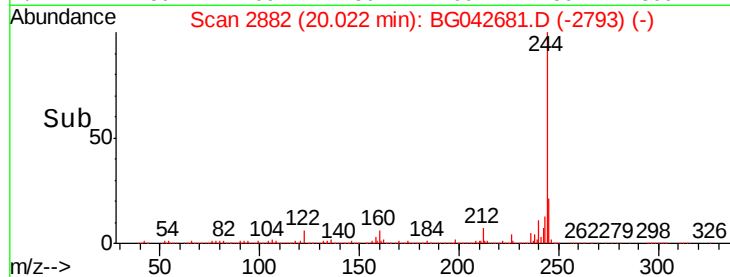
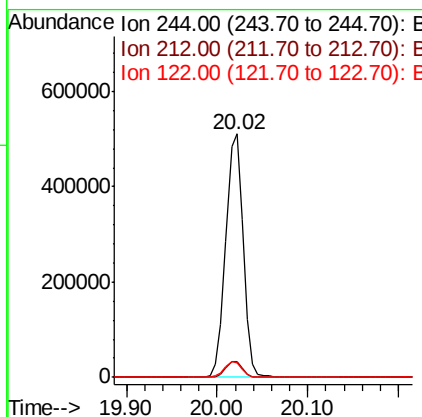
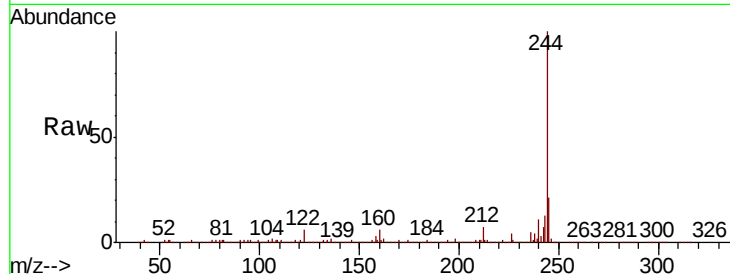
#79
 Terphenyl-d14
 Concen: 60.846 ng
 RT: 20.02 min Scan# 2882
 Delta R.T. -0.01 min
 Lab File: BG042681.D
 Acq: 2 Sep 2019 3:37

Instrument :
 BNA_G
 ClientSampleId :
 PAR-12-B1-B4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	6.2	6.7	10.1

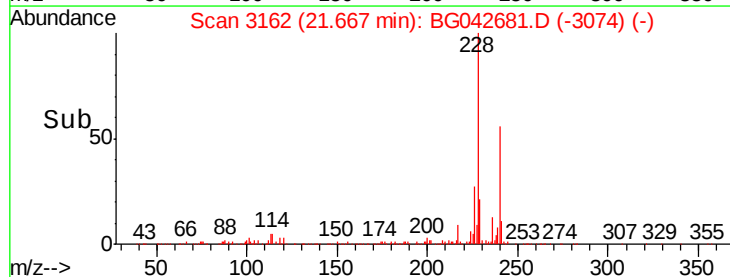
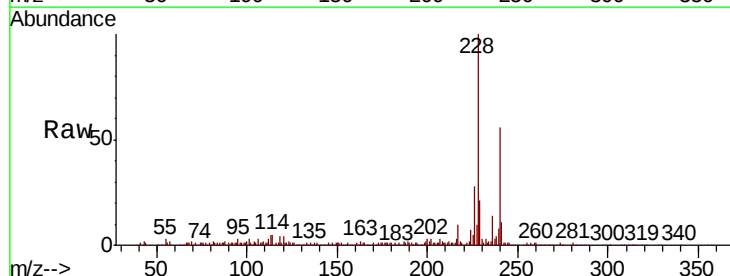
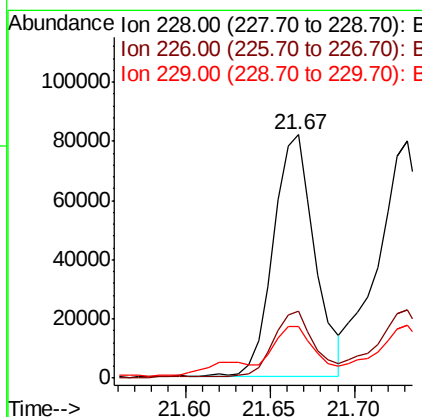
Manual Integrations
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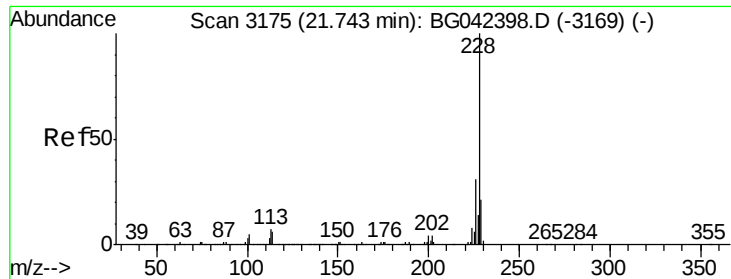
mohammad
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#81
 Benzo(a)anthracene
 Concen: 9.415 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BG042681.D
 Acq: 2 Sep 2019 3:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	23.4	35.2
229	21.0	17.4	26.2





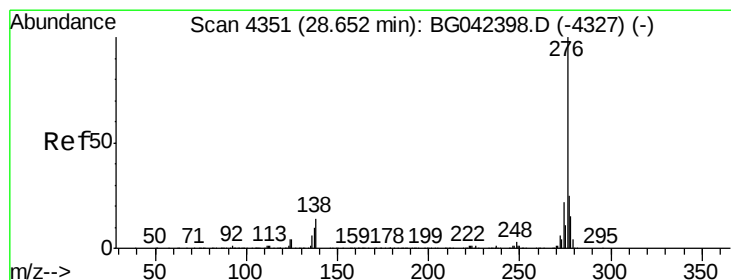
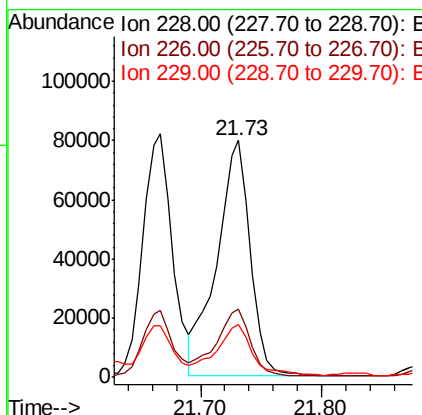
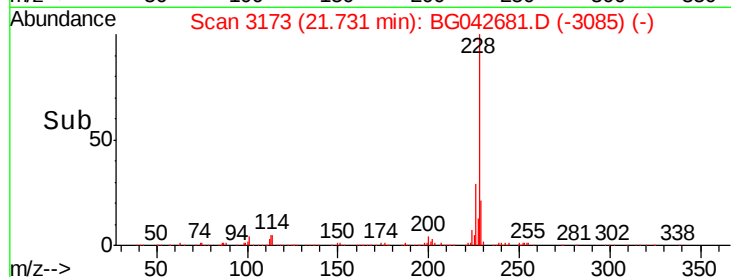
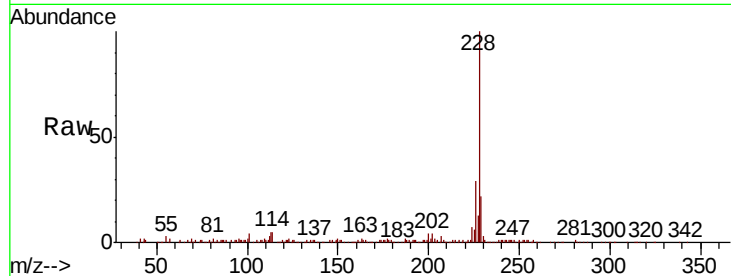
#83
Chrysene
Concen: 10.730 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042681.D
Acq: 2 Sep 2019 3:37

Instrument :
BNA_G
ClientSampleId :
PAR-12-B1-B4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	22.1	16.9	25.3

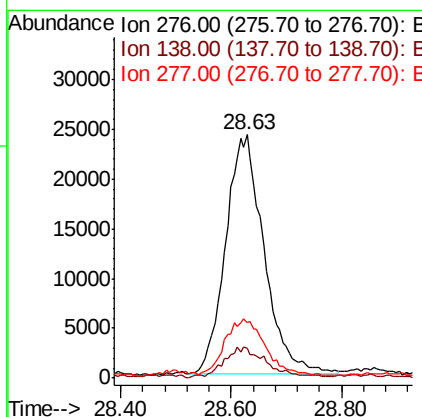
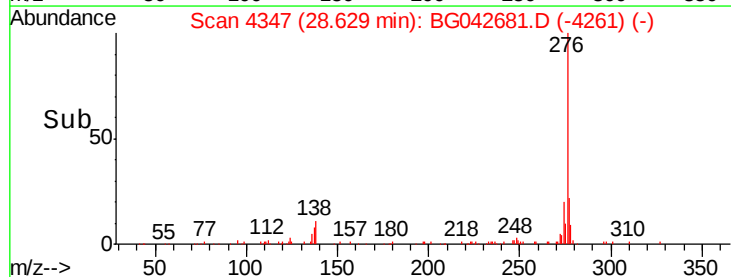
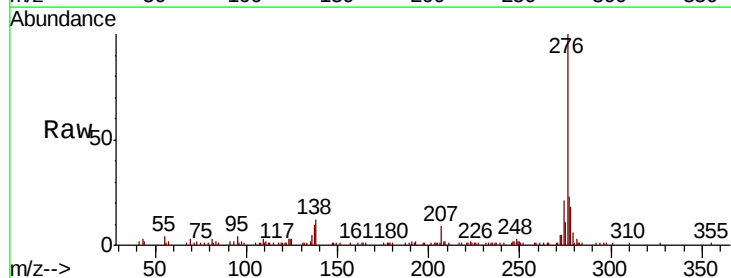
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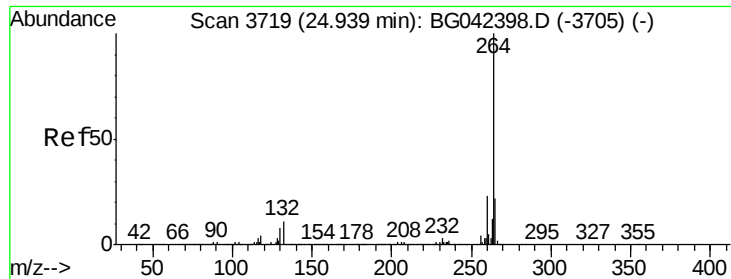
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.964 ng
RT: 28.63 min Scan# 4347
Delta R.T. -0.02 min
Lab File: BG042681.D
Acq: 2 Sep 2019 3:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.9	9.2	13.8#
277	24.5	21.0	31.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042681.D

Acq: 2 Sep 2019 3:37

Instrument :

BNA_G

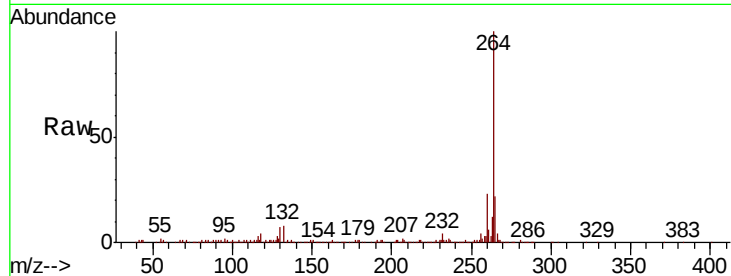
ClientSampleId :

PAR-12-B1-B4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	22.1	17.6	26.4

Manual Integrations
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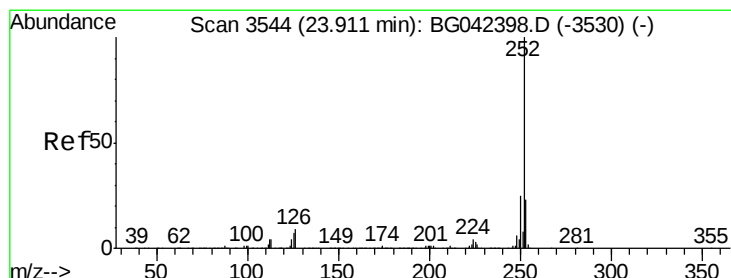
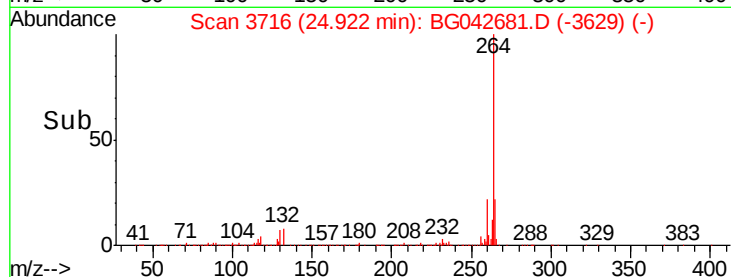
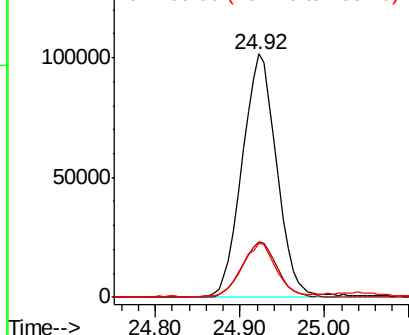


Abundance

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: 14.522 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG042681.D

Acq: 2 Sep 2019 3:37

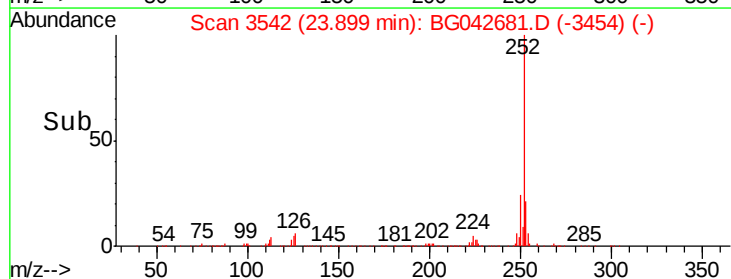
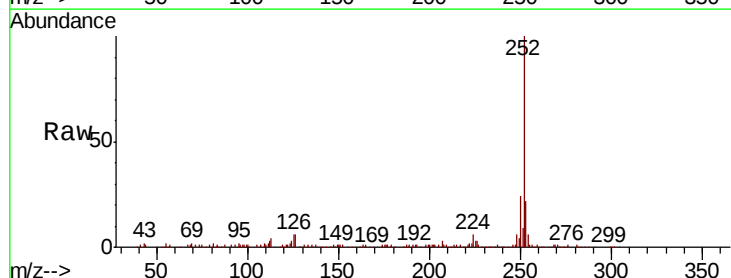
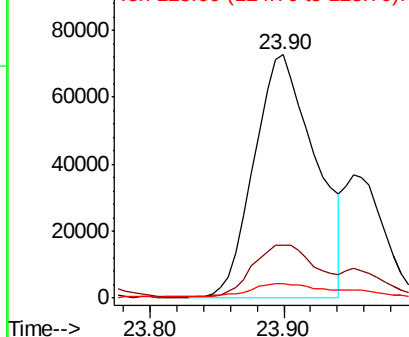
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.6	27.8
125	5.9	5.6	8.4

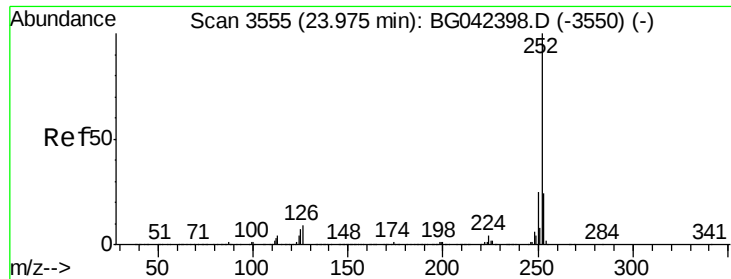
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





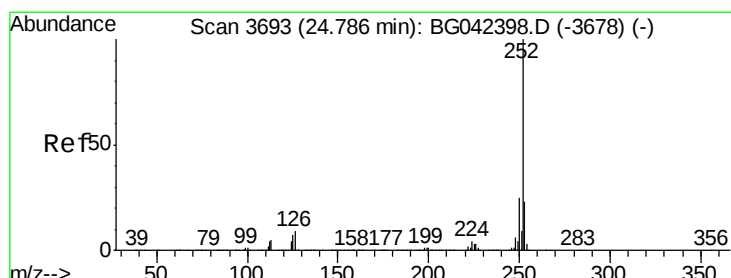
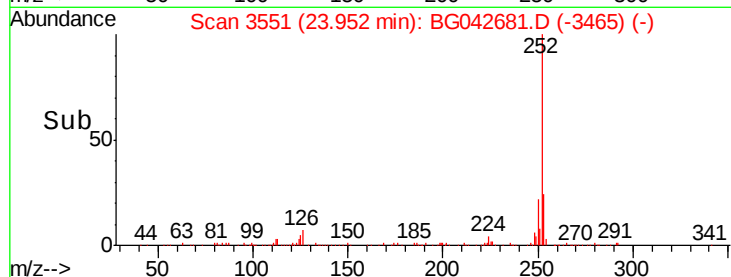
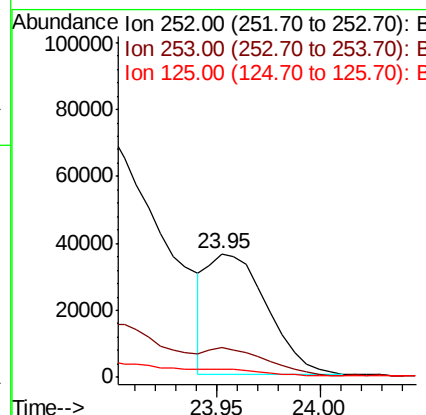
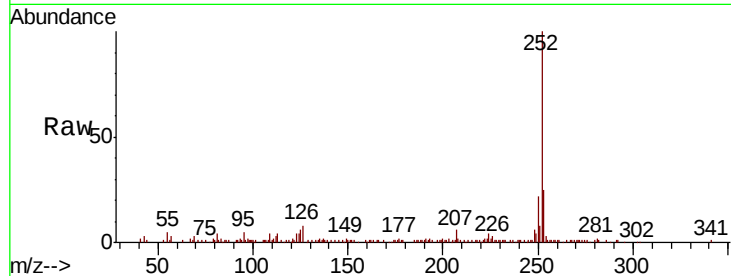
#89
Benzo(k)fluoranthene
Concen: 4.758 ng m
RT: 23.95 min Scan# 3551
Delta R.T. -0.02 min
Lab File: BG042681.D
Acq: 2 Sep 2019 3:37

Instrument :
BNA_G
ClientSampleId :
PAR-12-B1-B4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.6	27.8
125	6.2	5.8	8.6

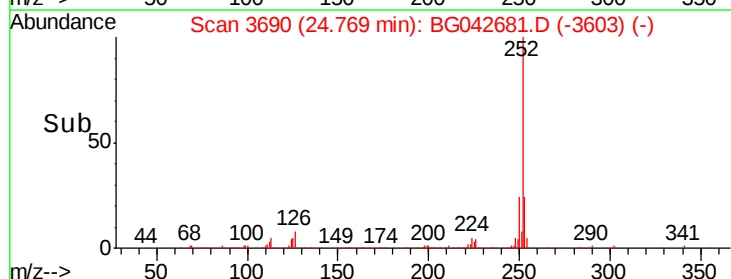
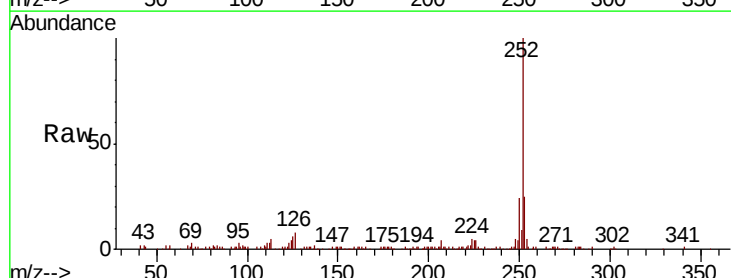
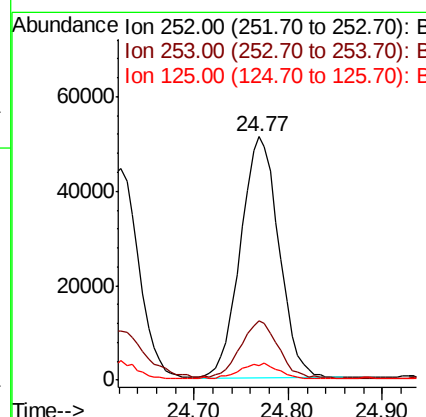
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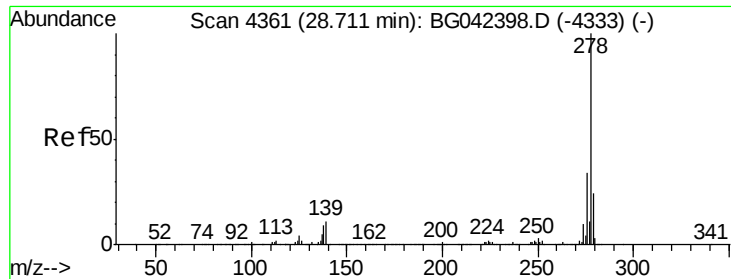
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#90
Benzo(a)pyrene
Concen: 9.595 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042681.D
Acq: 2 Sep 2019 3:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	6.2	6.0	9.0





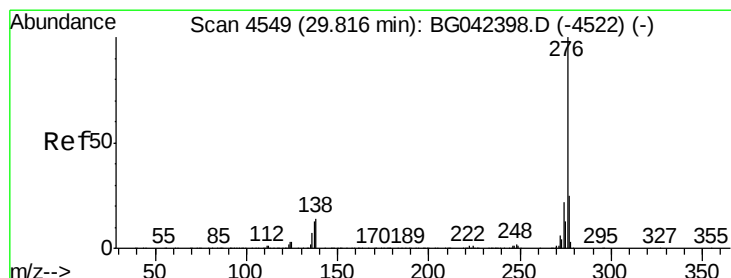
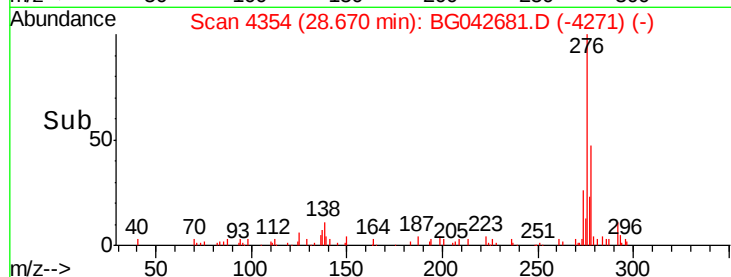
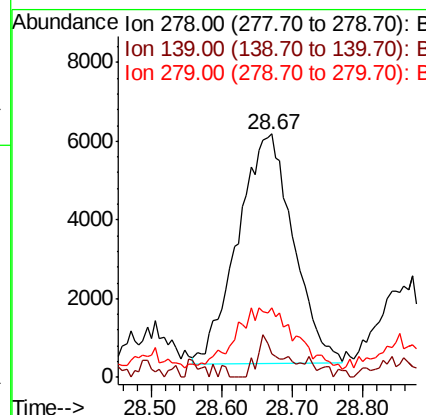
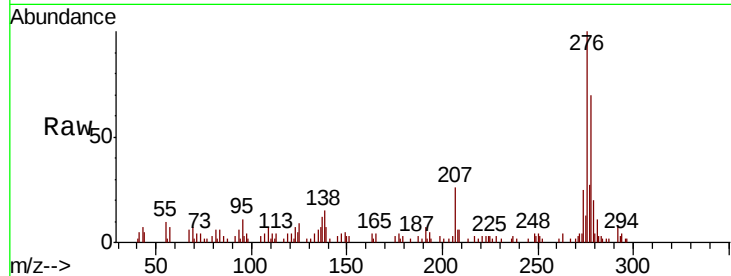
#91
Dibenzo(a,h)anthracene
Concen: 2.096 ng
RT: 28.67 min Scan# 4354
Delta R.T. -0.04 min
Lab File: BG042681.D
Acq: 2 Sep 2019 3:37

Instrument :
BNA_G
ClientSampleId :
PAR-12-B1-B4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.8	8.8	13.2
279	28.3	19.1	28.7

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#92
Benzo(g,h,i)perylene
Concen: 8.025 ng
RT: 29.79 min Scan# 4544
Delta R.T. -0.03 min
Lab File: BG042681.D
Acq: 2 Sep 2019 3:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.8	29.8
138	10.4	11.4	17.0#

