

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
 Data File : BG042618.D
 Acq On : 31 Aug 2019 2:23
 Operator : HP/JU
 Sample : K4409-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S301-S-5.0-5.5-081919

Manual Integrations
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mohammad
 8/31/2019 2:42:52 PM

Quant Time: Aug 31 05:21:24 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	8.00	152	36556	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	141996	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	106768	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	247258	20.00	ng	0.00
76) Chrysene-d12	21.68	240	262260	20.00	ng	-0.01
87) Perylene-d12	24.92	264	305090	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	267640	148.28	ng	0.00
7) Phenol-d6	7.16	99	353846	145.13	ng	0.00
23) Nitrobenzene-d5	9.17	82	201846	98.23	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	225663	148.70	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	578852	91.69	ng	0.00
79) Terphenyl-d14	20.02	244	979505	80.74	ng	0.00
Target Compounds						
10) Phenol	7.19	94	20119	8.116	ng	86
50) Dimethylphthalate	14.10	163	53685	6.969	ng	100
71) Phenanthrene	17.45	178	93595	7.621	ng	97
72) Anthracene	17.54	178	27790m	2.267	ng	
75) Fluoranthene	19.46	202	120439	8.035	ng	95
78) Pyrene	19.82	202	95145	5.917	ng	95
81) Benzo(a)anthracene	21.66	228	51753	3.244	ng	95
83) Chrysene	21.73	228	39649	2.577	ng	96
88) Benzo(b)fluoranthene	23.90	252	55370	3.301	ng	97
90) Benzo(a)pyrene	24.77	252	42937	2.698	ng	98

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

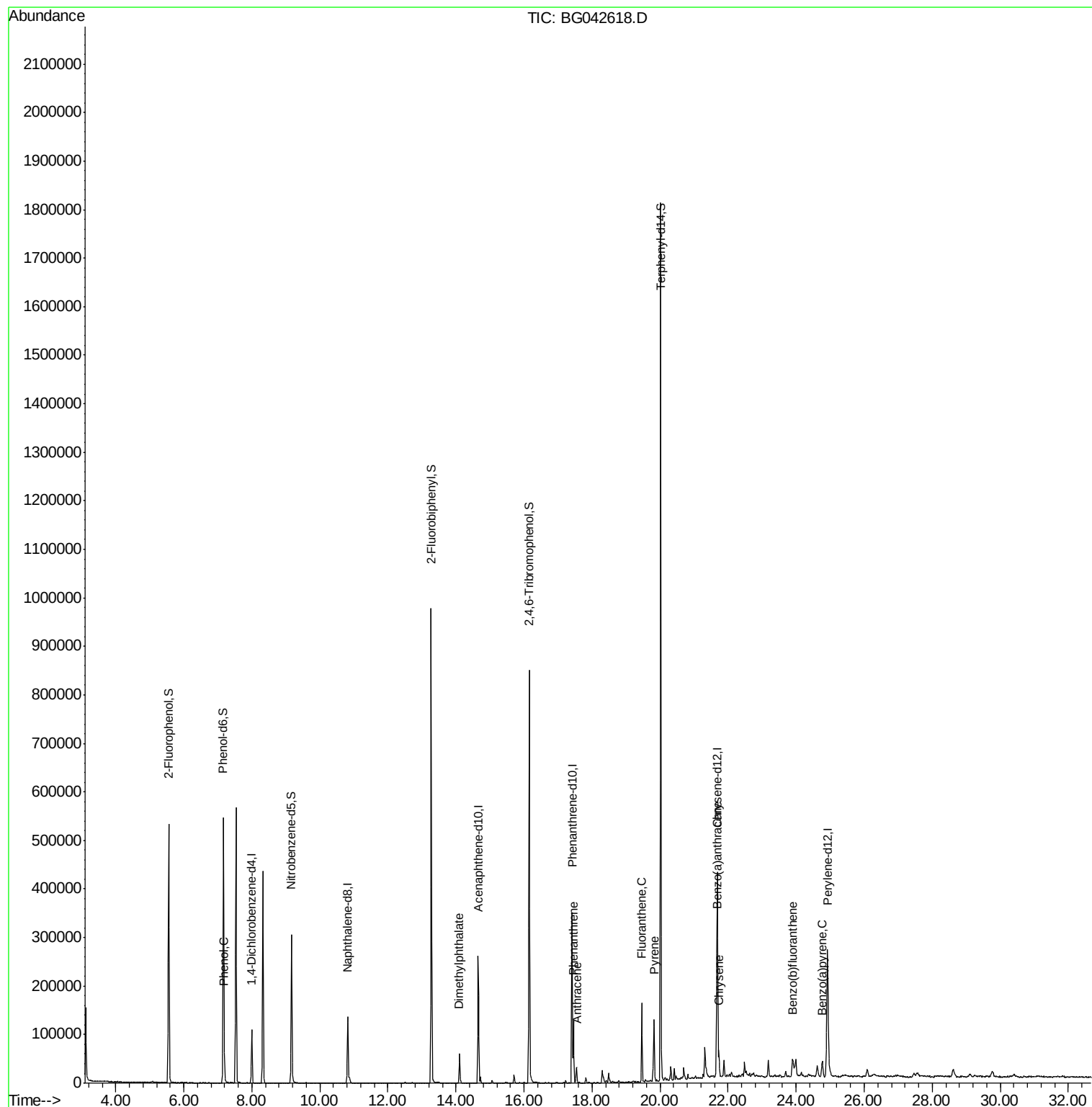
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
Data File : BG042618.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

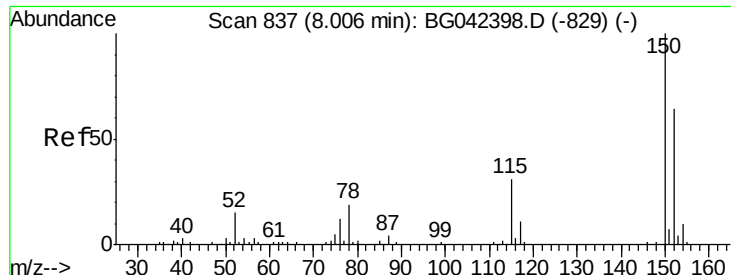
Instrument :
BNA_G
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S301-S-5.0-5.5-081919

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#1

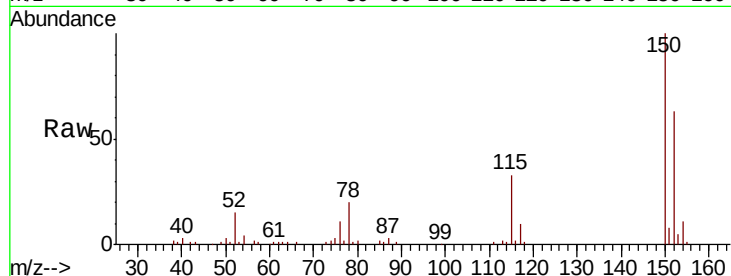
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Instrument :
BNA_G
ClientSampleId :
S301-S-5.0-5.5-081919

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.4	188.0
115	51.8	38.5	57.7

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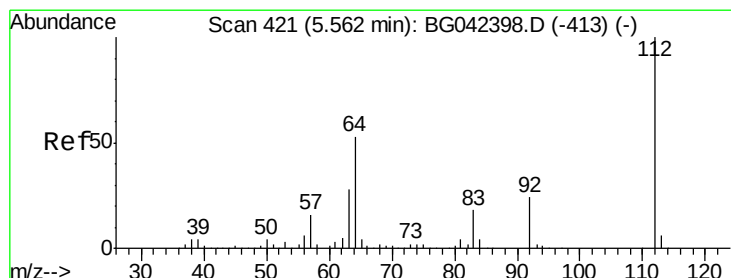
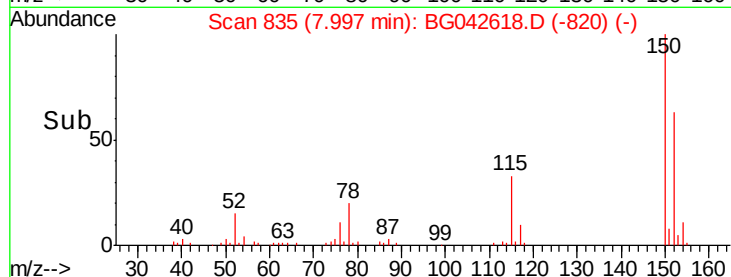
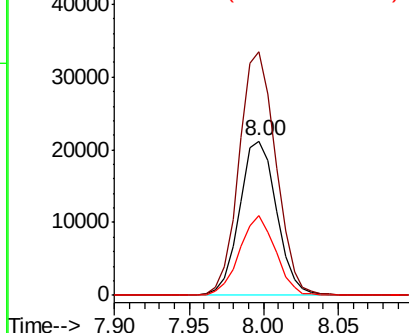


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

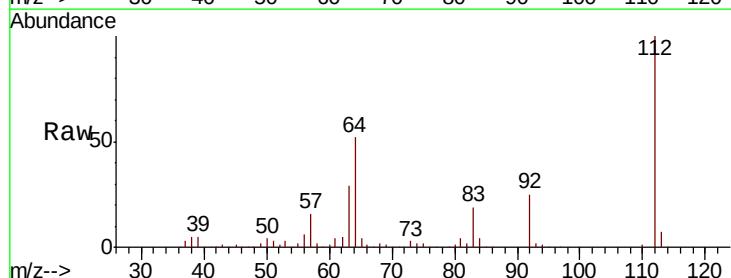
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 148.279 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	42.8	64.2
63	28.6	22.7	34.1

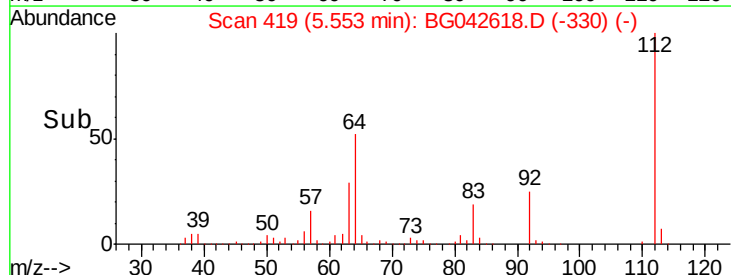
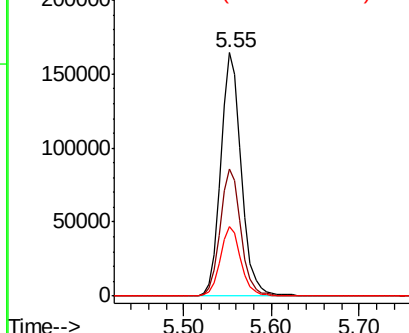


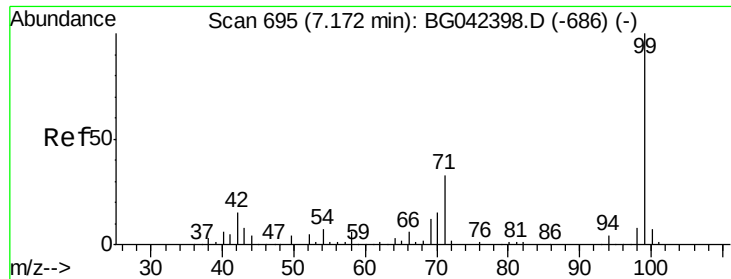
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 145.131 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

Instrument :

BNA_G

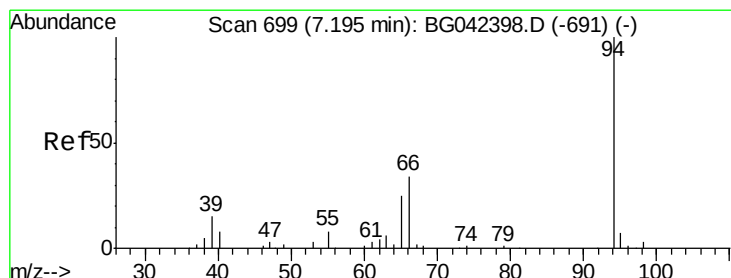
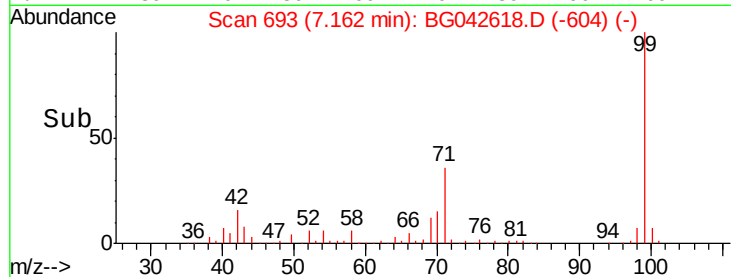
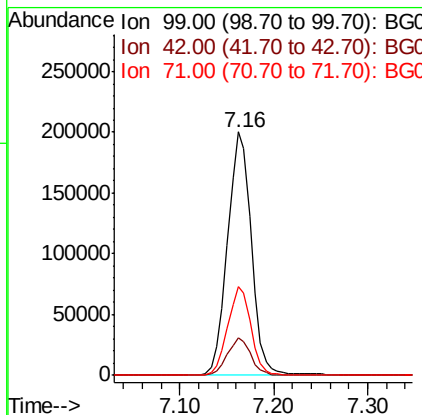
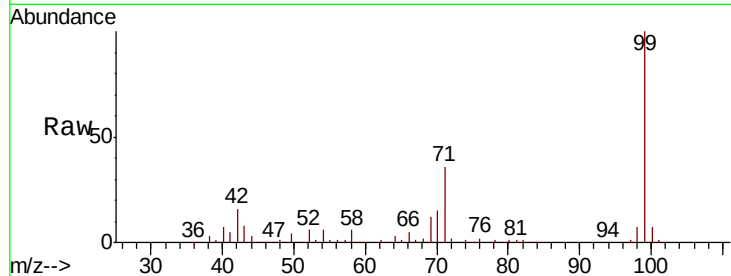
ClientSampleId :

S301-S-5.0-5.5-081919

Tot Ion:	99	Resp:	353846
Ion Ratio	Lower	Upper	
99	100		
42	15.6	12.0	18.0
71	36.3	26.3	39.5

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#10

Phenol

Concen: 8.116 ng

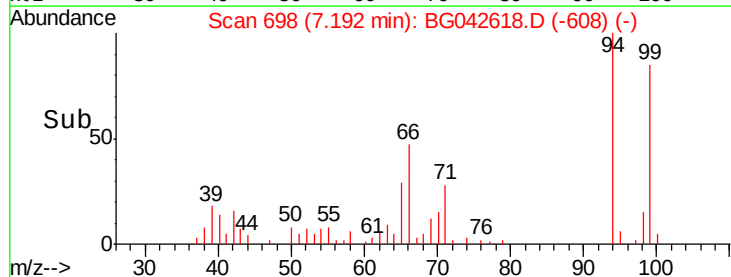
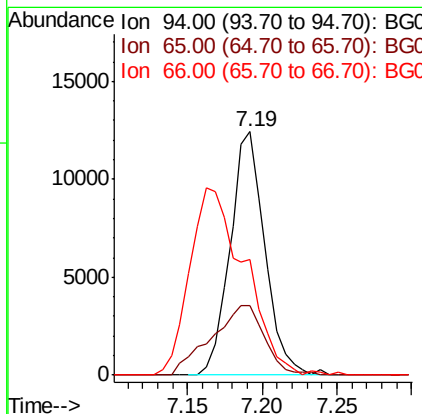
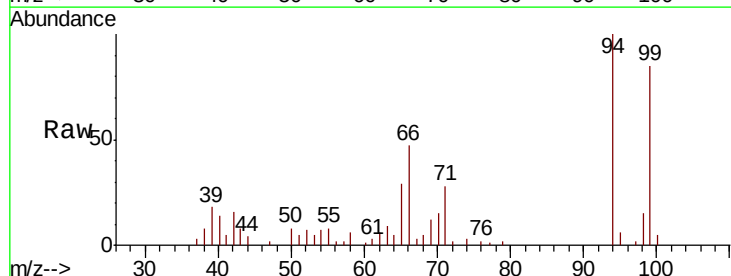
RT: 7.19 min Scan# 698

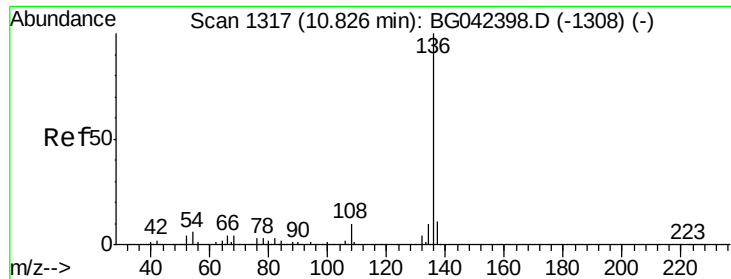
Delta R.T. -0.00 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

Tgt Ion:	94	Resp:	20119
Ion Ratio	Lower	Upper	
94	100		
65	28.6	5.6	45.6
66	47.4	16.0	56.0





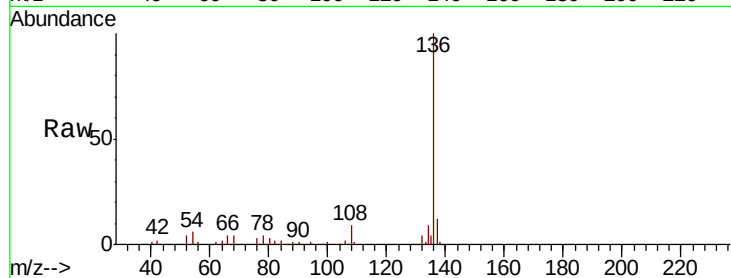
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Instrument :
BNA_G
ClientSampleId :
S301-S-5.0-5.5-081919

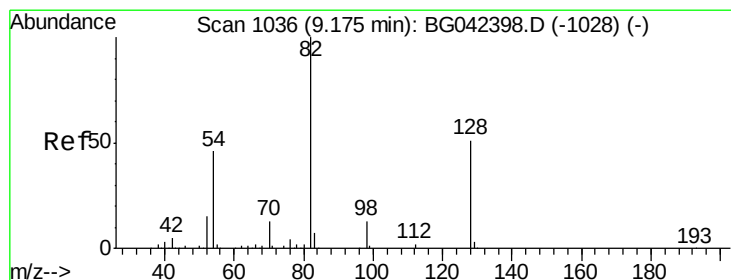
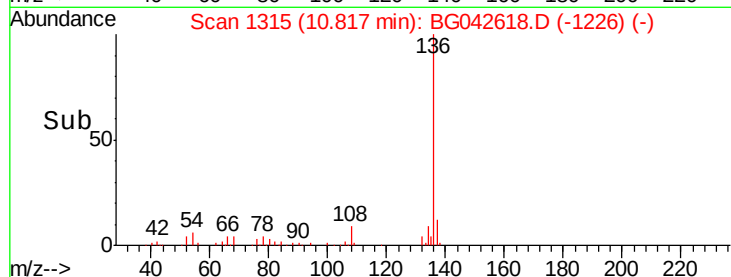
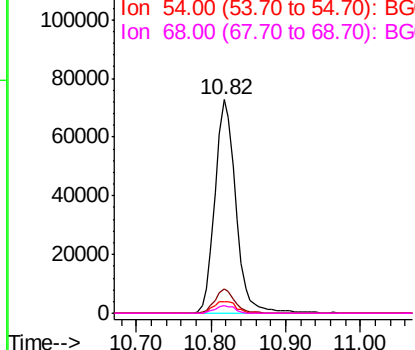
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	8.7	13.1	
54	5.7	4.9	7.3	
68	3.6	3.6	5.4	

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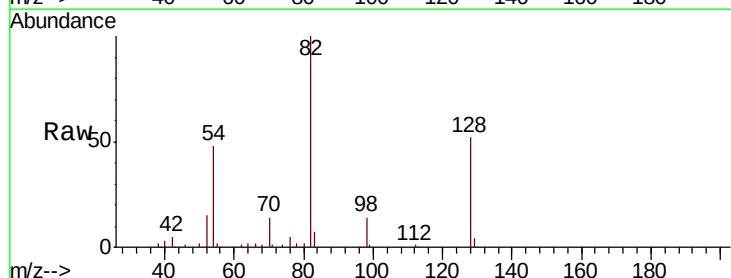


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

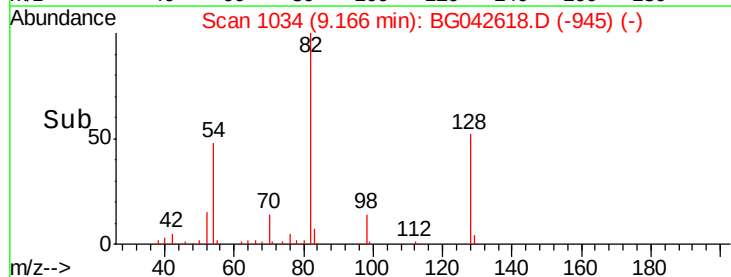
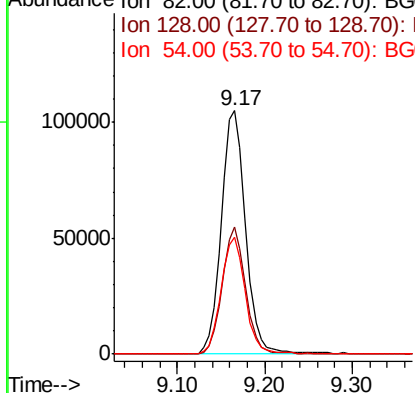


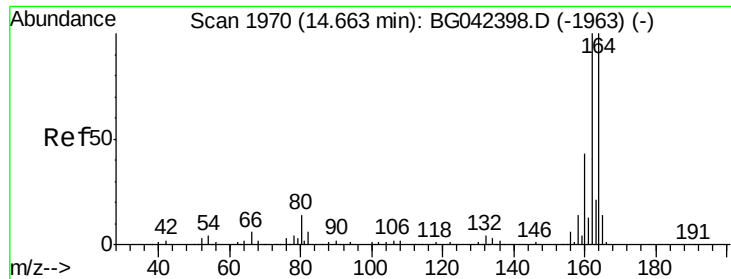
#23
Nitrobenzene-d5
Concen: 98.231 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	52.5	40.7	61.1	
54	48.2	36.3	54.5	



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





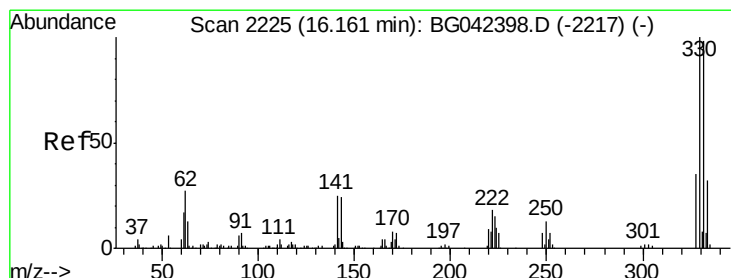
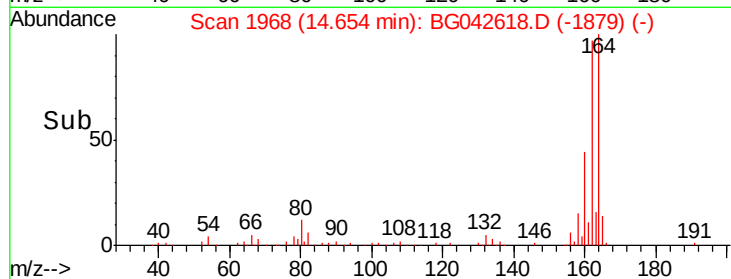
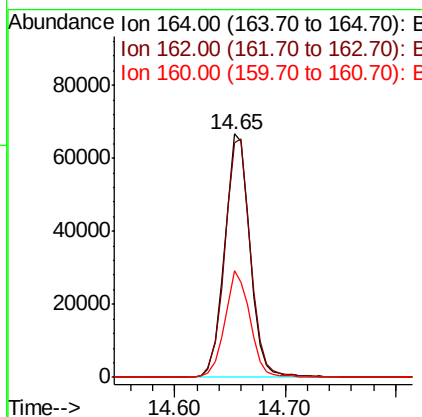
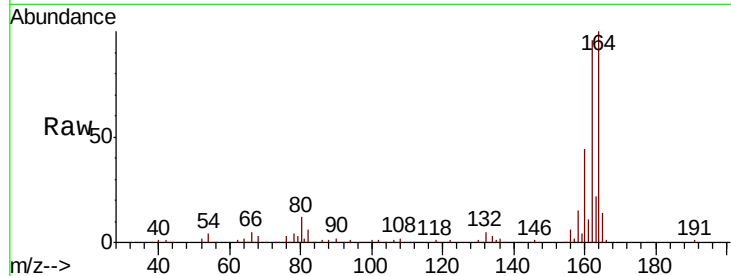
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Instrument :
BNA_G
ClientSampleId :
S301-S-5.0-5.5-081919

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.4	79.9	119.9
160	44.0	34.3	51.5

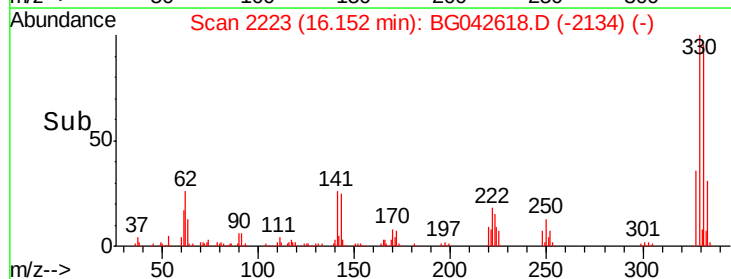
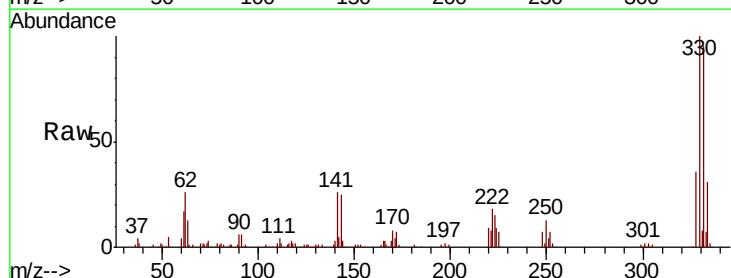
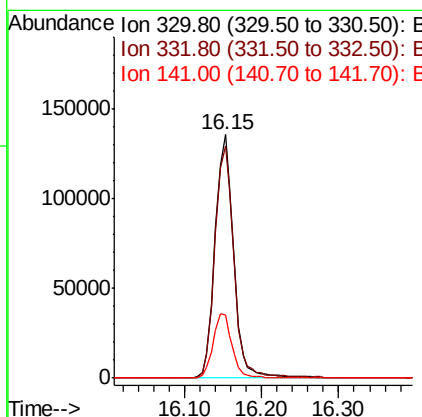
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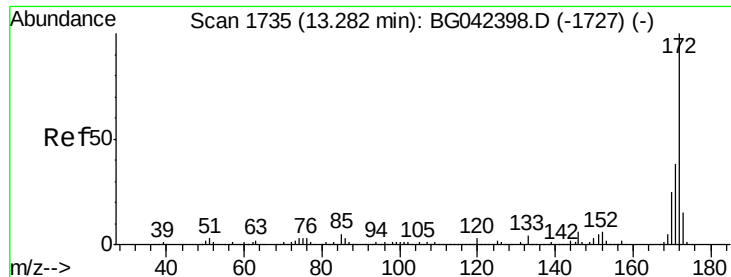
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#42
2,4,6-Tribromophenol
Concen: 148.704 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.0
141	26.9	21.4	32.0





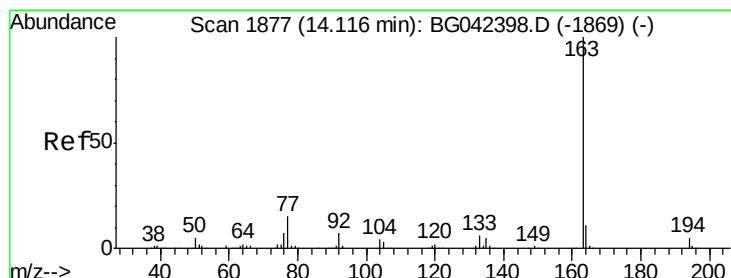
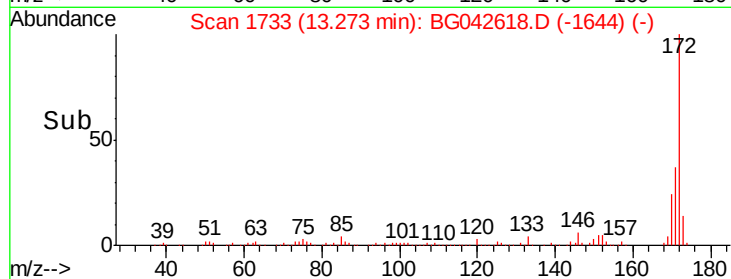
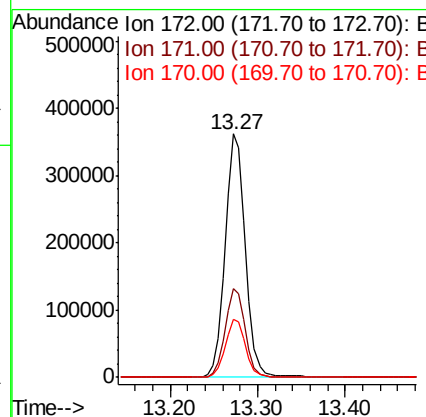
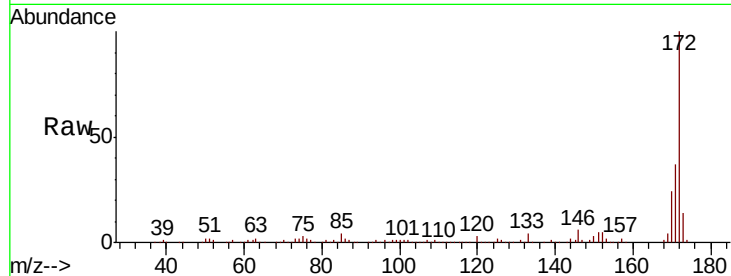
#45
2-Fluorobiphenyl
Concen: 91.694 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Instrument :
BNA_G
ClientSampleId :
S301-S-5.0-5.5-081919

Tot Ion	Ratio	Resp	Lower	Upper
172	100	578852		
171	36.7		30.5	45.7
170	23.7		20.2	30.2

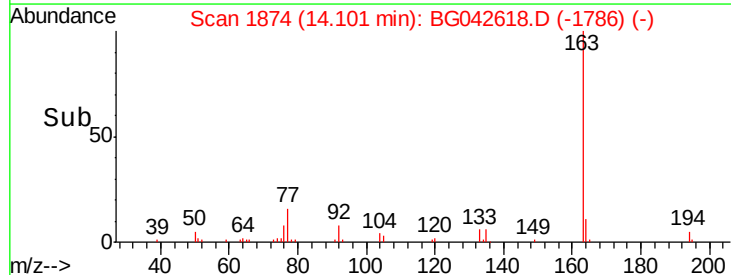
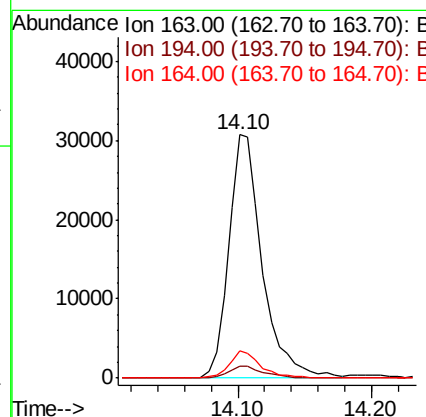
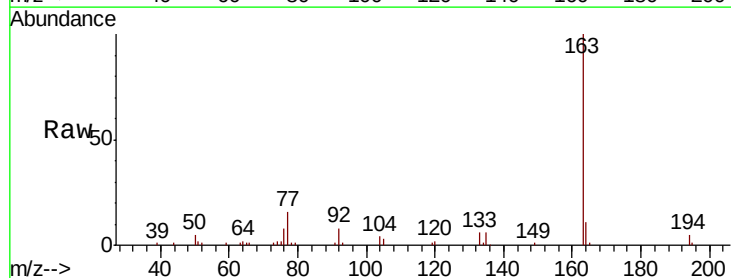
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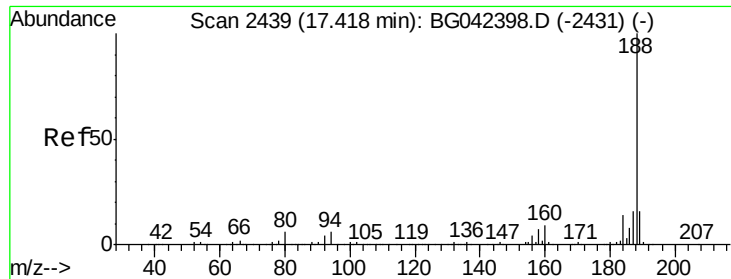
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#50
Dimethylphthalate
Concen: 6.969 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	53685		
194	4.9		4.2	6.2
164	11.0		8.8	13.2





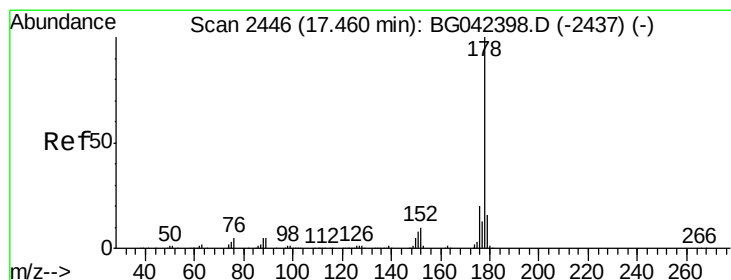
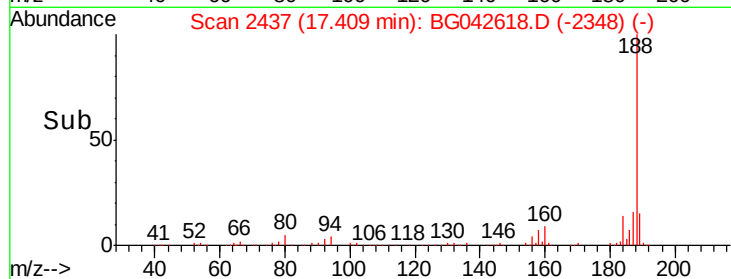
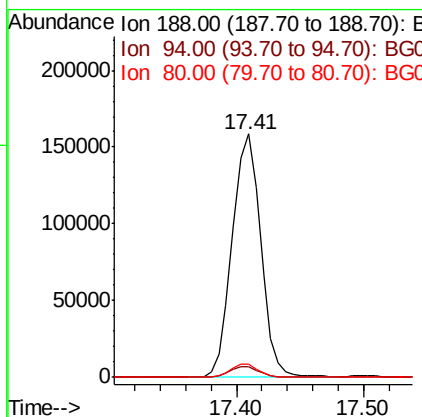
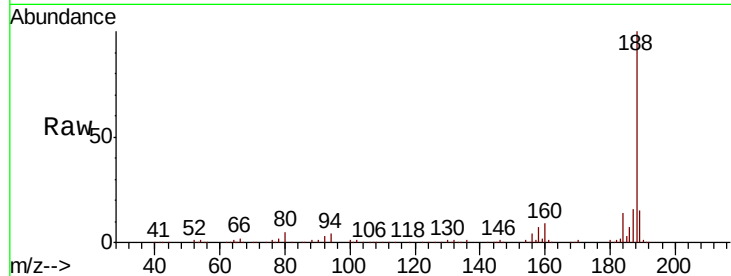
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Instrument :
BNA_G
ClientSampleId :
S301-S-5.0-5.5-081919

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	4.5	4.5	6.7
80	5.4	4.9	7.3

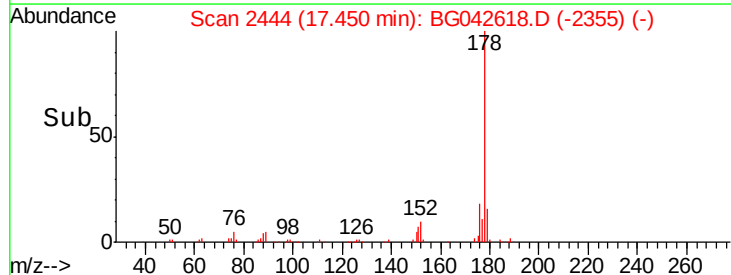
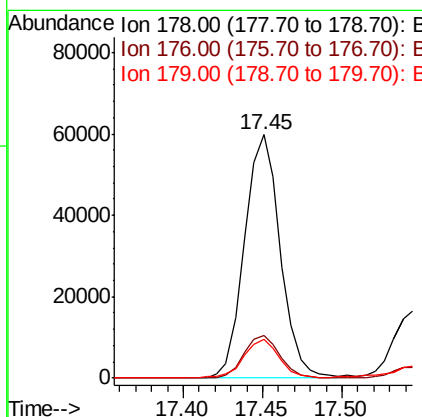
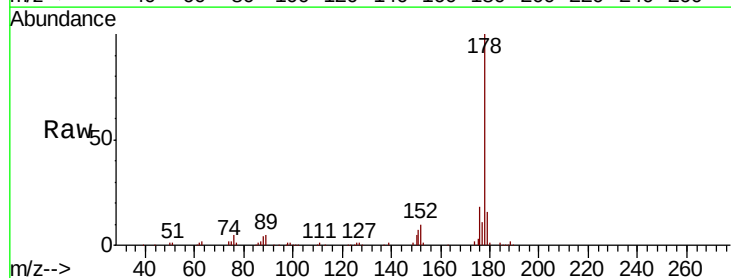
Manual Integrations
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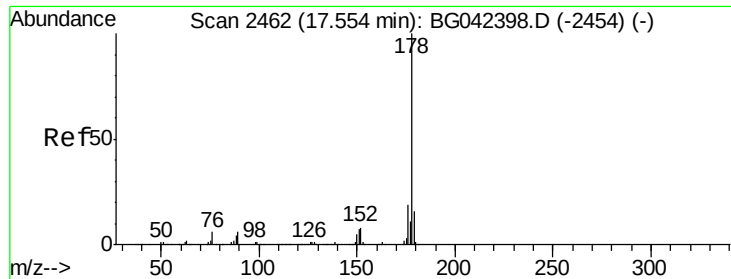
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#71
Phenanthrene
Concen: 7.621 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.7	15.9	23.9
179	16.1	12.7	19.1





#72

Anthracene

Concen: 2.267 ng/mL

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

Instrument :

BNA_G

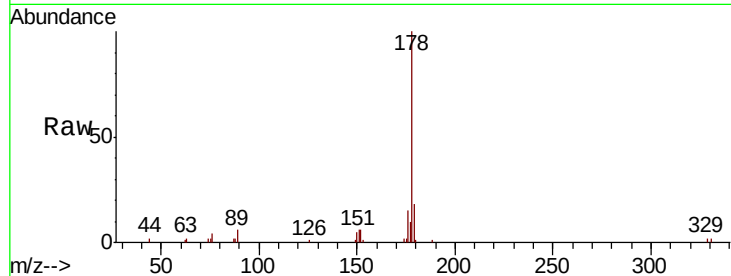
ClientSampleId :

S301-S-5.0-5.5-081919

Tot Ion	Ratio	Lower	Upper
178	100		
176	15.0	15.5	23.3#
179	18.5	12.9	19.3

Manual Integrations
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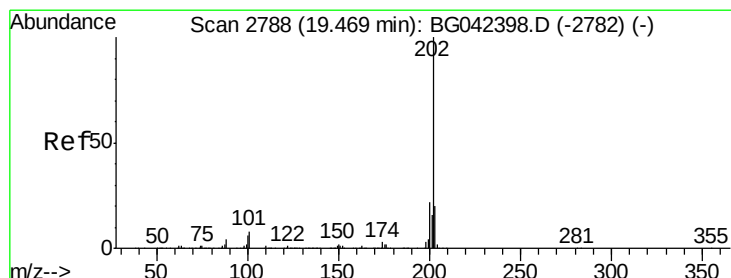
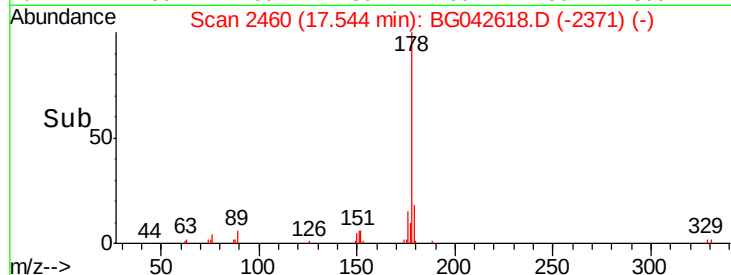
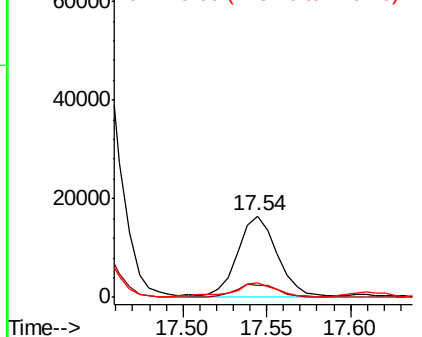


Abundance

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: 8.035 ng/mL

RT: 19.46 min Scan# 2786

Delta R.T. -0.01 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

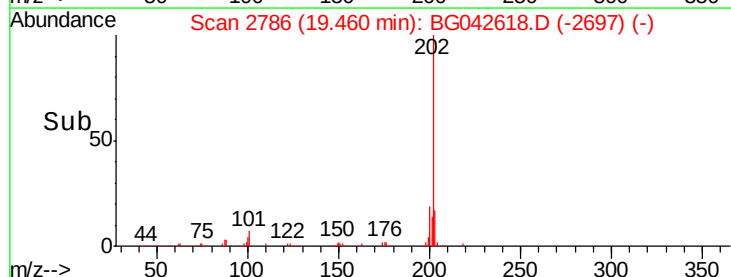
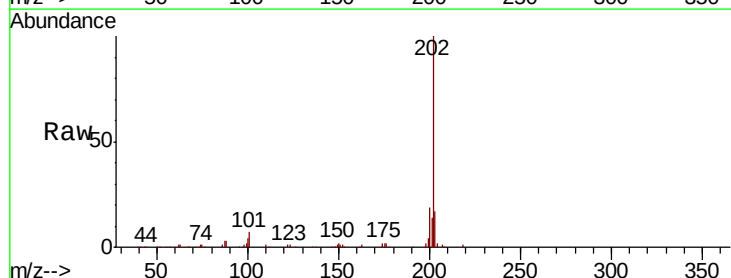
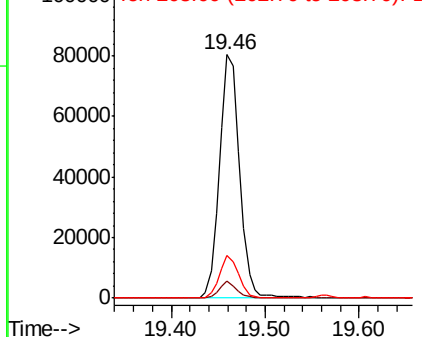
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	28.3
203	17.3	0.0	39.6

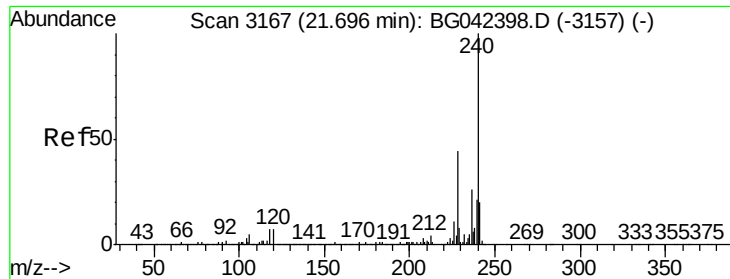
Abundance

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





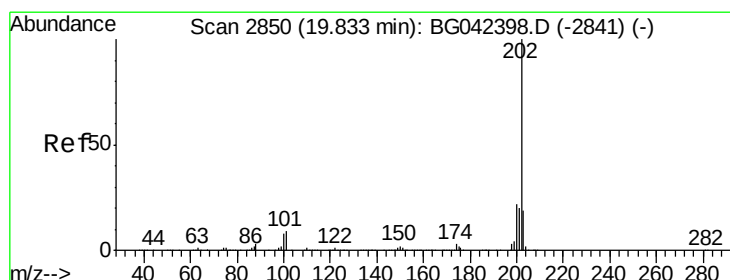
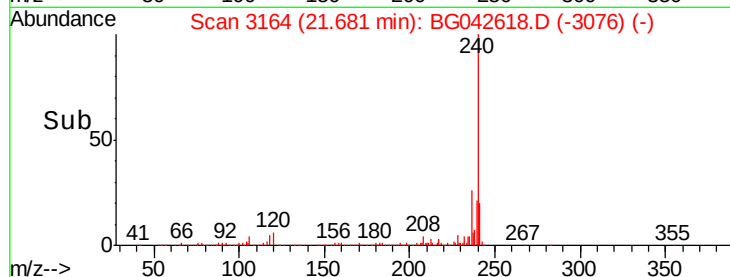
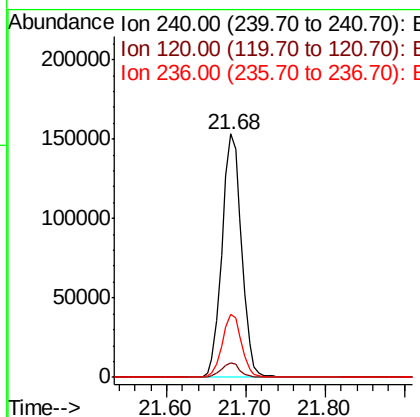
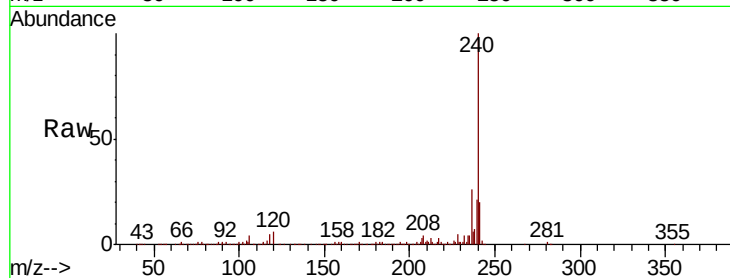
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Instrument :
BNA_G
ClientSampleId :
S301-S-5.0-5.5-081919

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.0	5.7	8.5
236	25.9	21.0	31.4

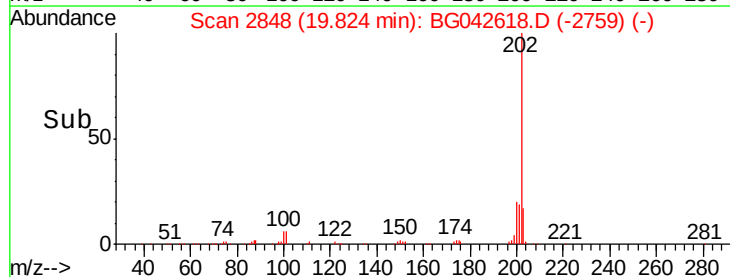
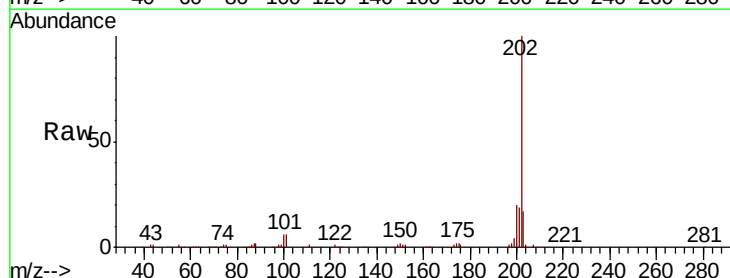
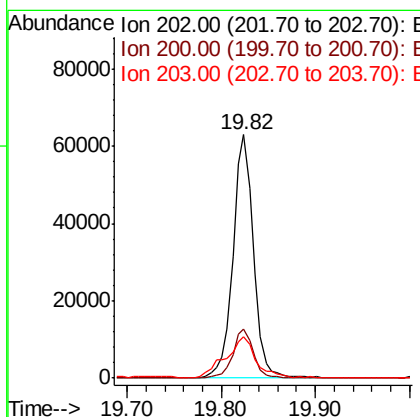
Manual Integrations
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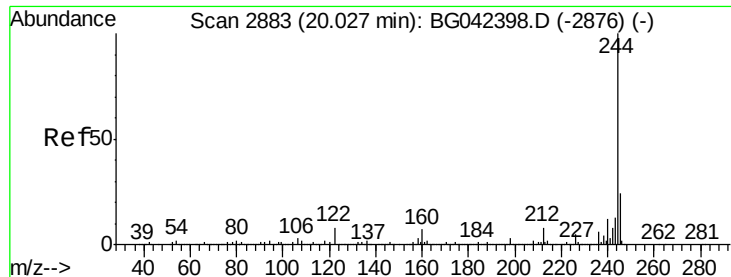
mohammad
8/31/2019 2:42:52 PM



#78
Pyrene
Concen: 5.917 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.8	26.6
203	17.0	15.5	23.3





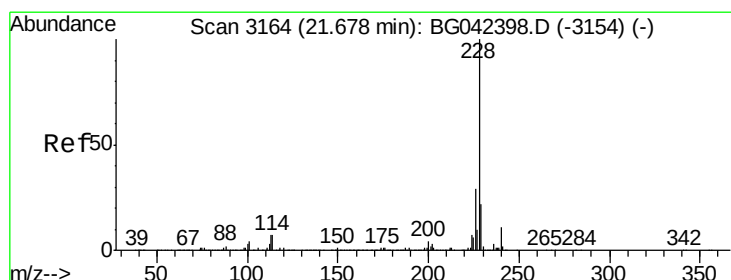
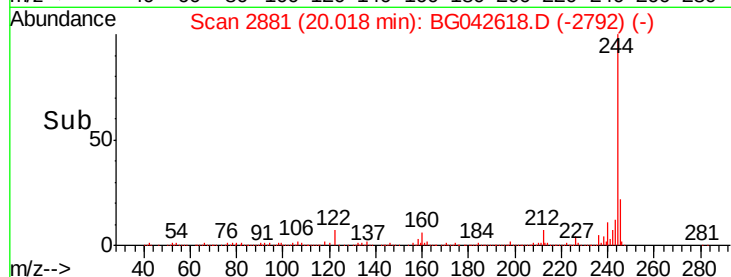
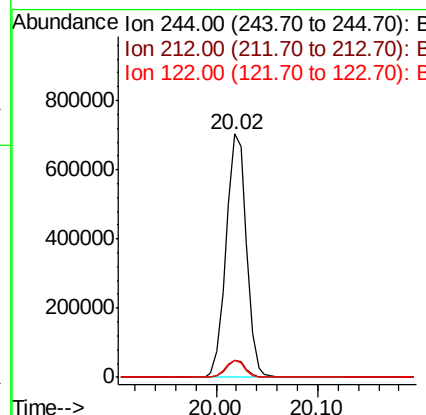
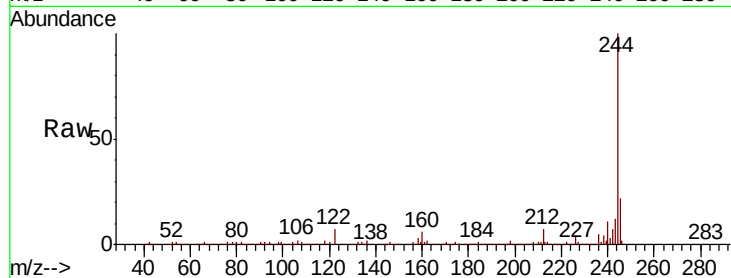
#79
 Terphenyl-d14
 Concen: 80.745 ng
 RT: 20.02 min Scan# 2881
 Delta R.T. -0.01 min
 Lab File: BG042618.D
 Acq: 31 Aug 2019 2:23

Instrument :
 BNA_G
 ClientSampleId :
 S301-S-5.0-5.5-081919

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	6.0	9.0	
122	7.0	6.7	10.1	

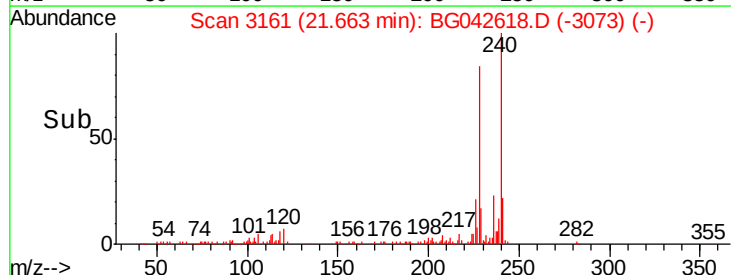
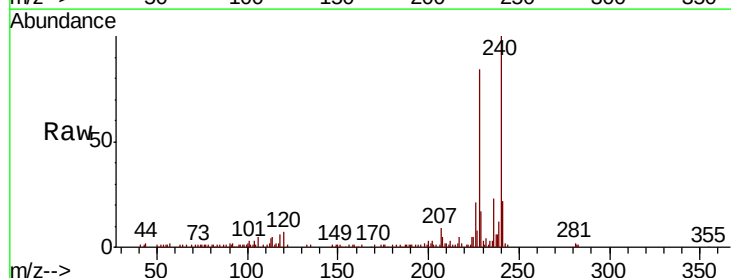
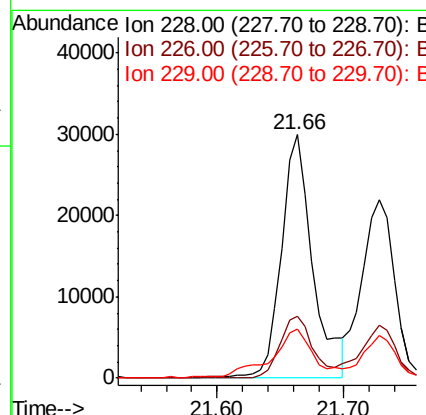
Manual Integrations
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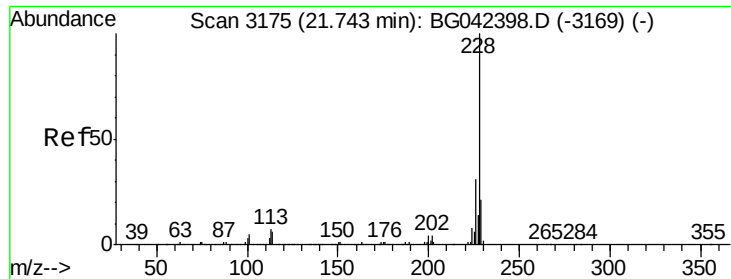
mohammad
 8/31/2019 2:42:52 PM



#81
 Benzo(a)anthracene
 Concen: 3.244 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BG042618.D
 Acq: 31 Aug 2019 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	25.6	23.4	35.2	
229	20.4	17.4	26.2	





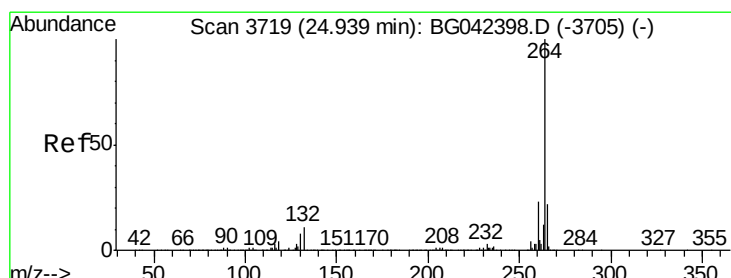
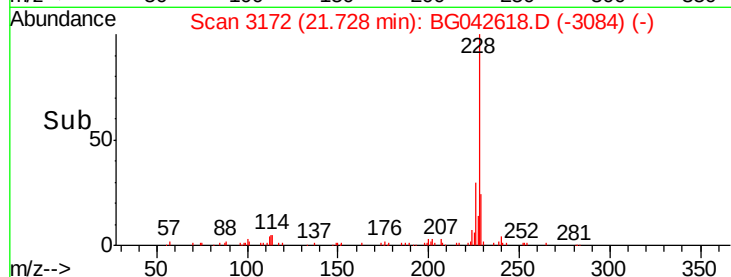
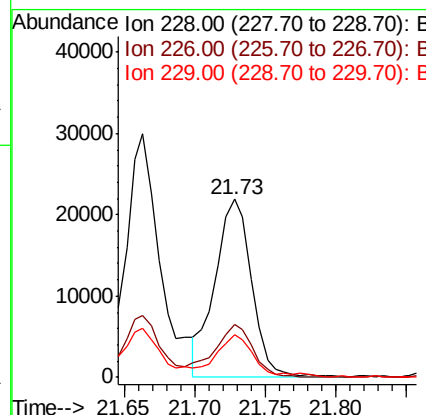
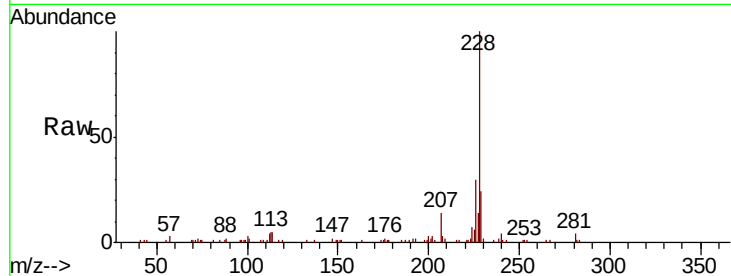
#83
Chrysene
Concen: 2.577 ng
RT: 21.73 min Scan# 3172
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Instrument :
BNA_G
ClientSampleId :
S301-S-5.0-5.5-081919

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		39649		
226	29.6		24.9	37.3	
229	23.9		16.9	25.3	

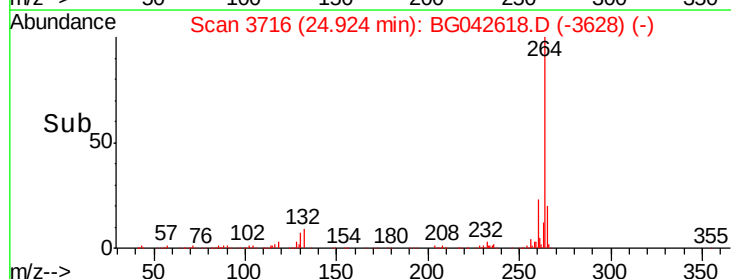
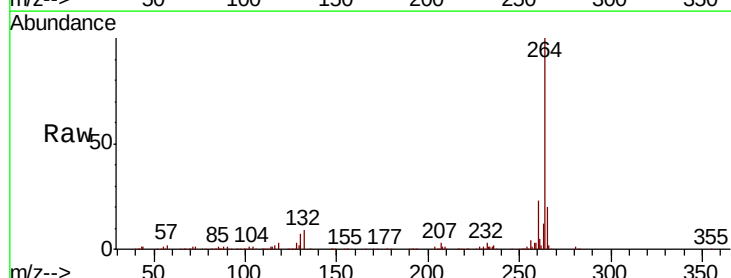
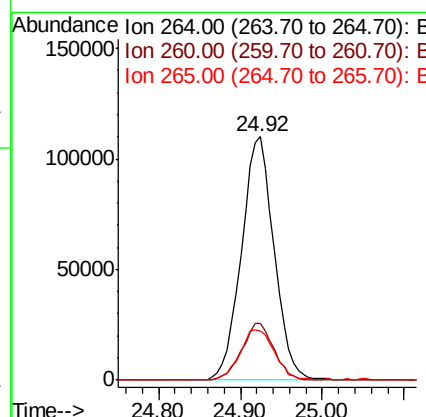
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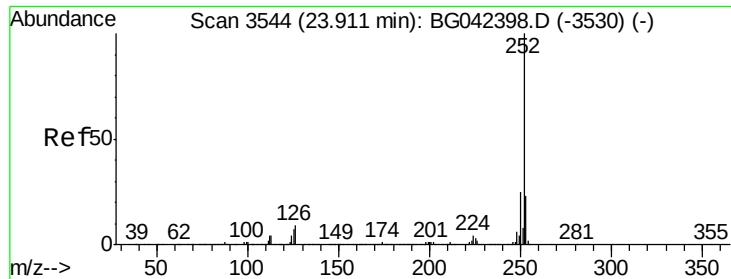
mohammad
8/31/2019 2:42:52 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100		305090		
260	23.1		18.5	27.7	
265	20.2		17.6	26.4	





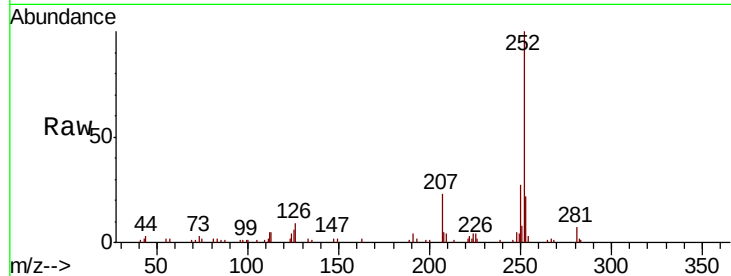
#88
Benzo(b)fluoranthene
Concen: 3.301 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Instrument :
BNA_G
ClientSampleId :
S301-S-5.0-5.5-081919

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.6	27.8
125	5.9	5.6	8.4

Manual Integrations
APPROVED

mohammad
8/31/2019 2:42:52 PM

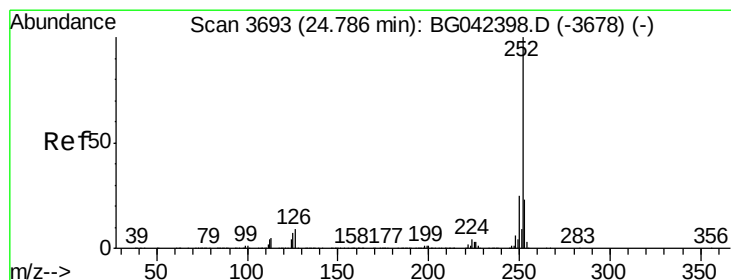
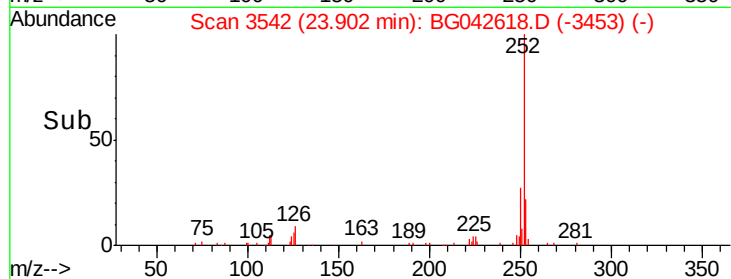
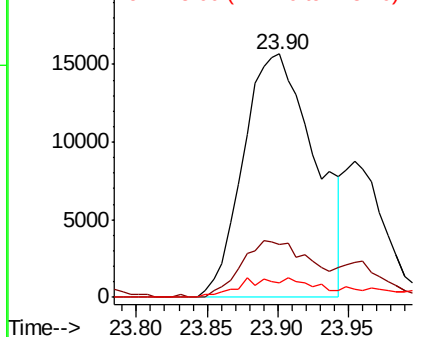


Abundance

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: 2.698 ng
RT: 24.77 min Scan# 3689
Delta R.T. -0.02 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	8.1	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

