

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
 Data File : BG042698.D
 Acq On : 3 Sep 2019 21:02
 Operator : HP/JU
 Sample : K4601-19
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T12-G1-G4-(0-2.7)

Manual Integrations
 APPROVED

mohammad
 9/6/2019 8:17:43 AM

Quant Time: Sep 04 05:00:39 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	33068	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	129294	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	102666	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	225280	20.00	ng	0.00
76) Chrysene-d12	21.69	240	250262	20.00	ng	0.00
87) Perylene-d12	24.92	264	299086	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	166483	101.96	ng	0.00
7) Phenol-d6	7.16	99	227193	103.01	ng	0.00
23) Nitrobenzene-d5	9.17	82	131663	70.37	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	153827	105.42	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	352071	58.00	ng	0.00
79) Terphenyl-d14	20.02	244	595082	51.41	ng	0.00
Target Compounds						
10) Phenol	7.19	94	11994	5.349	ng	82
50) Dimethylphthalate	14.11	163	54909	7.412	ng	97
75) Fluoranthene	19.47	202	62557	4.581	ng	97
78) Pyrene	19.82	202	59822	3.899	ng	96
81) Benzo(a)anthracene	21.66	228	41026	2.695	ng	97
83) Chrysene	21.73	228	38583m	2.628	ng	
88) Benzo(b)fluoranthene	23.90	252	58783	3.575	ng	96
90) Benzo(a)pyrene	24.77	252	38663	2.478	ng	94

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

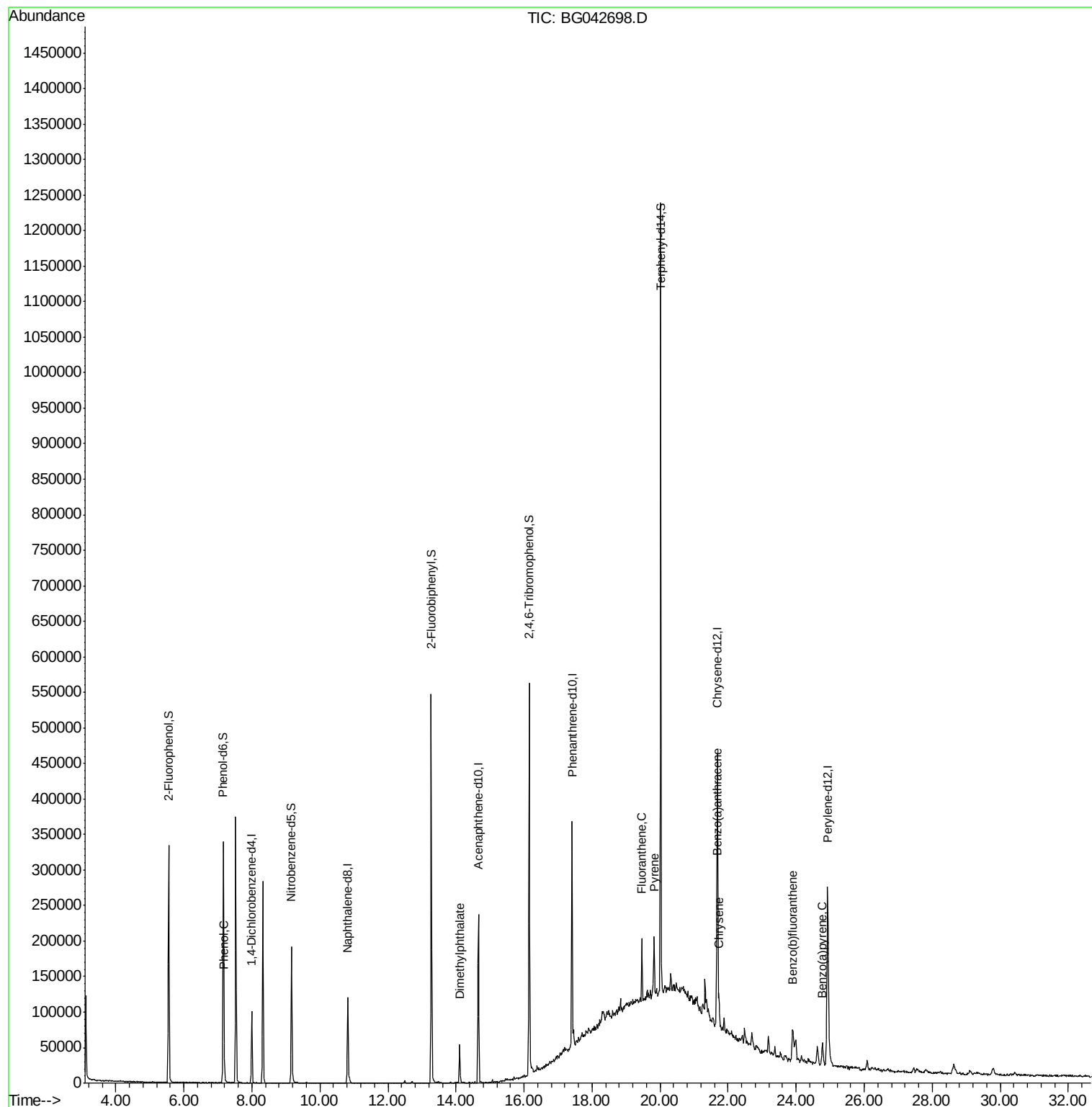
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
Data File : BG042698.D
Acq On : 3 Sep 2019 21:02
Operator : HP/JU
Sample : K4601-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

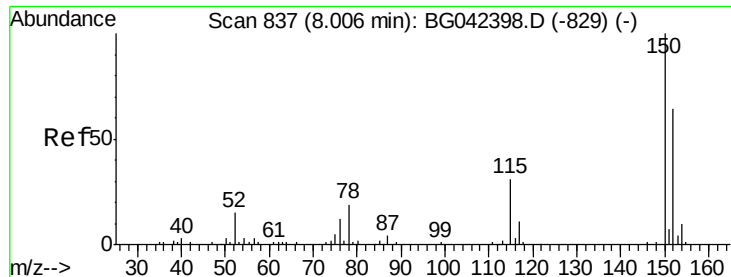
Instrument :
BNA_G
ClientSampleId :
T12-G1-G4-(0-2.7)

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9/6/2019 8:17:43 AM

Quant Time: Sep 04 05:00:39 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





#1

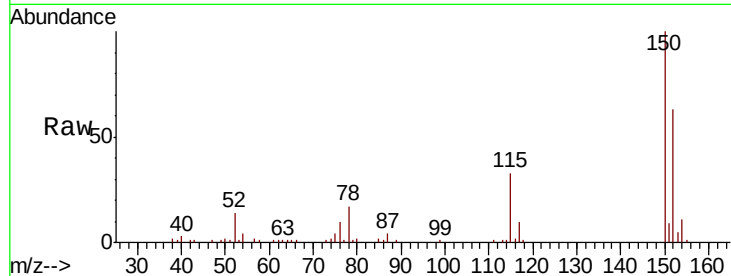
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Instrument :
BNA_G
ClientSampleId :
T12-G1-G4-(0-2.7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	125.4	188.0
115	51.7	38.5	57.7

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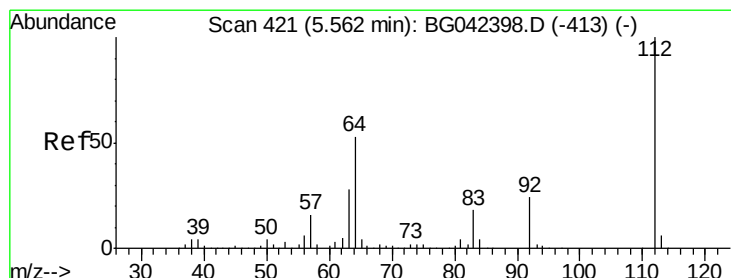
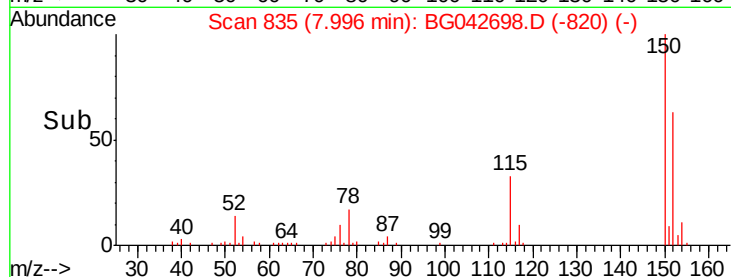
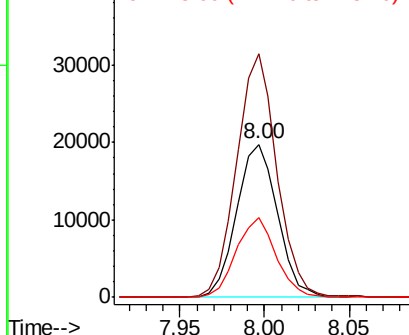


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

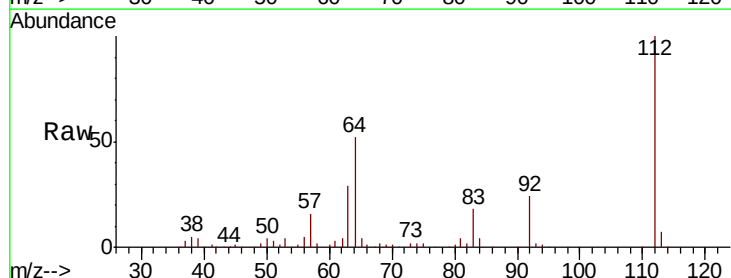
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.965 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	42.8	64.2
63	29.2	22.7	34.1

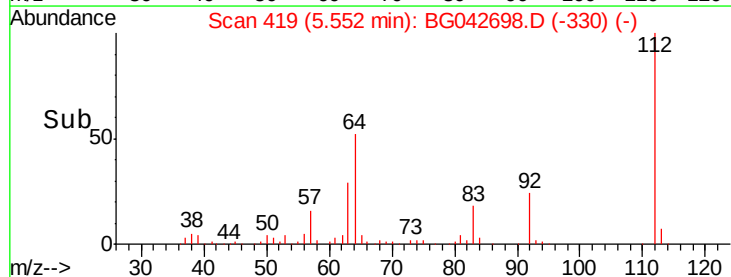
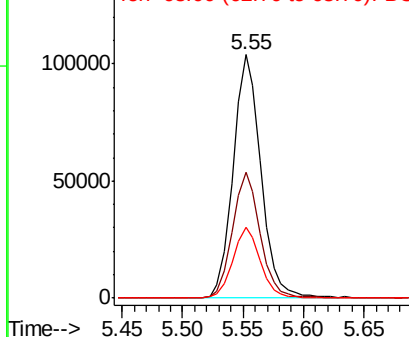


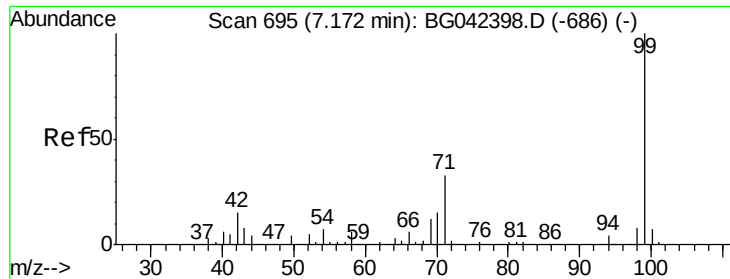
Abundance

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: 103.013 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042698.D

Acq: 3 Sep 2019 21:02

Instrument :

BNA_G

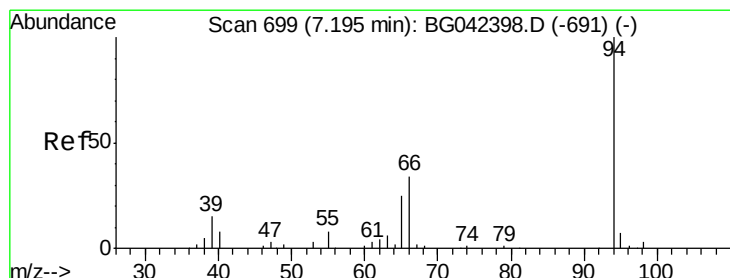
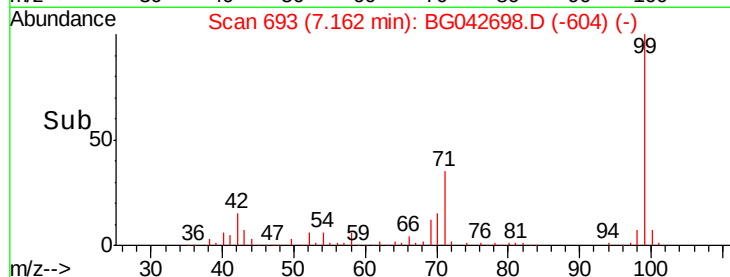
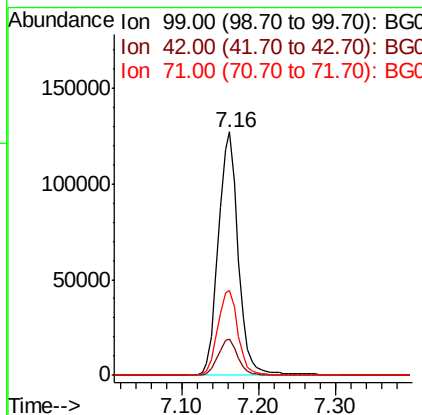
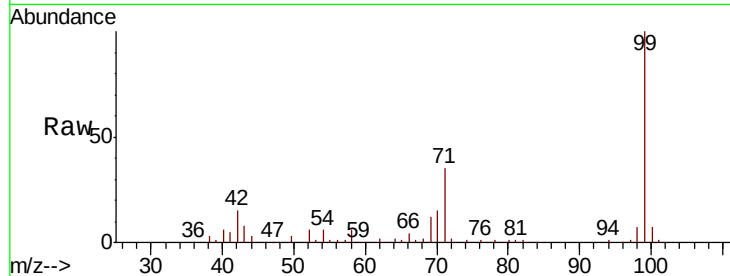
ClientSampleId :

T12-G1-G4-(0-2.7)

Tot Ion:	99	Resp:	227193
Ion	Ratio	Lower	Upper
99	100		
42	14.8	12.0	18.0
71	34.8	26.3	39.5

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#10

Phenol

Concen: 5.349 ng

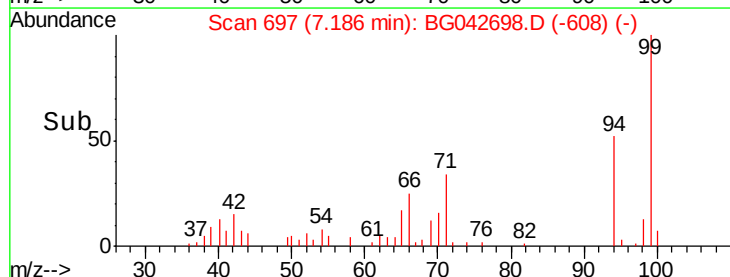
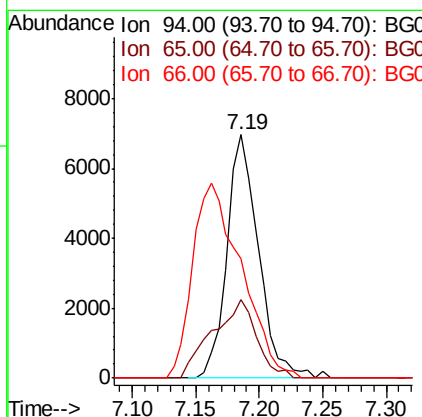
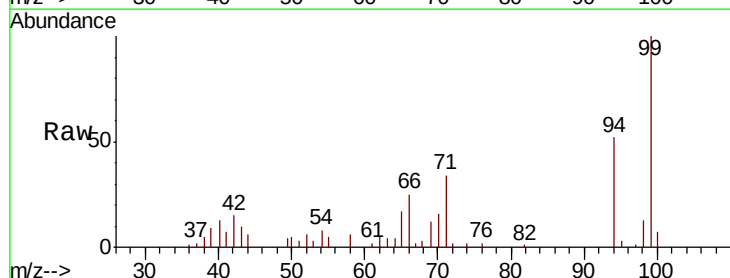
RT: 7.19 min Scan# 697

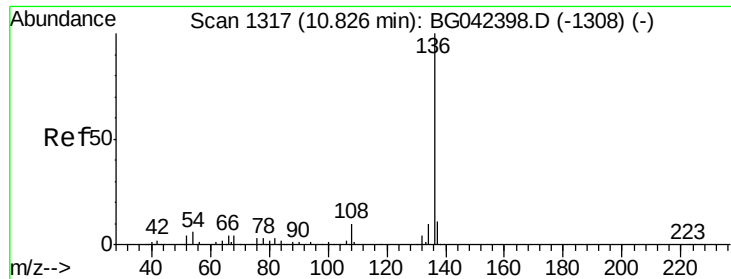
Delta R.T. -0.01 min

Lab File: BG042698.D

Acq: 3 Sep 2019 21:02

Tgt Ion:	94	Resp:	11994
Ion	Ratio	Lower	Upper
94	100		
65	32.0	5.6	45.6
66	49.0	16.0	56.0





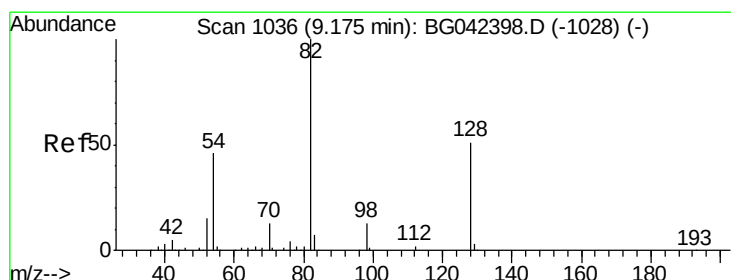
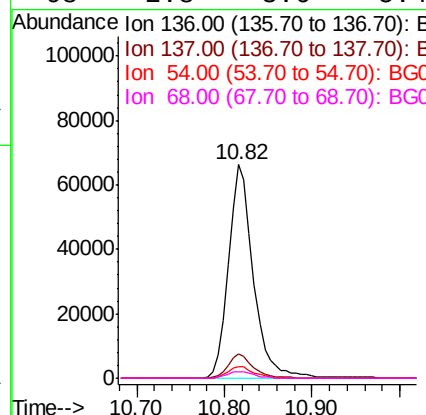
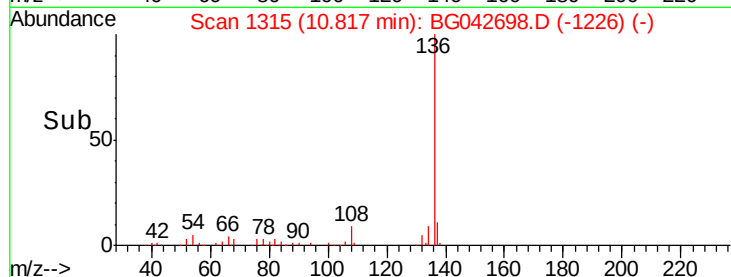
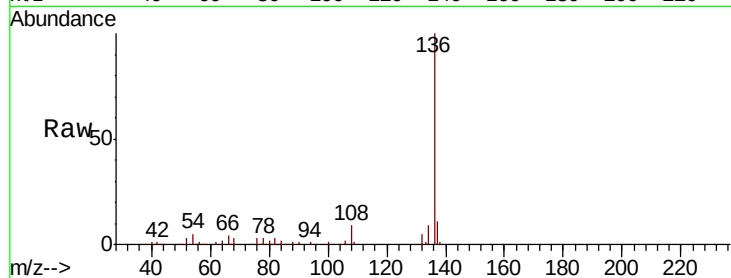
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Instrument :
BNA_G
ClientSampleId :
T12-G1-G4-(0-2.7)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.1	8.7	13.1		
54	5.2	4.9	7.3		
68	2.8	3.6	5.4		

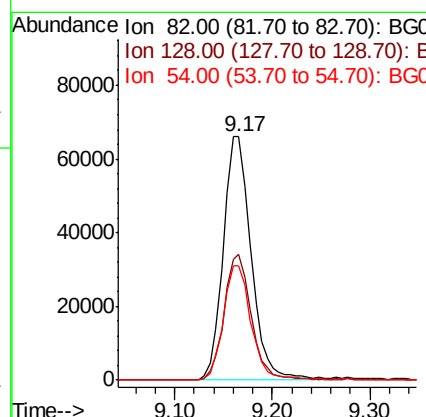
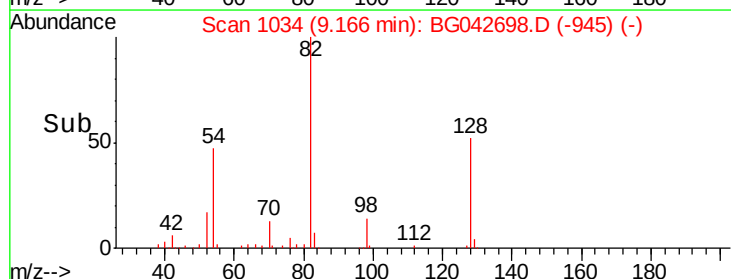
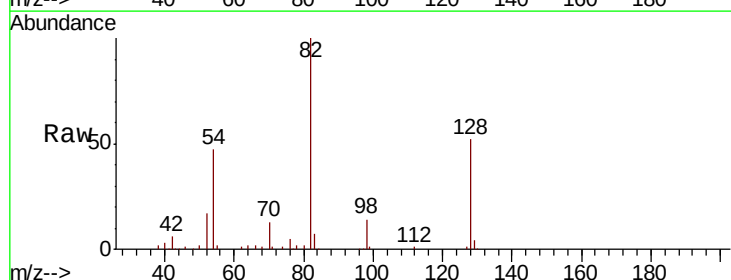
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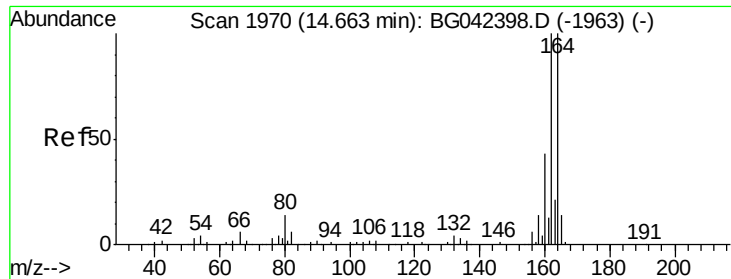
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#23
Nitrobenzene-d5
Concen: 70.370 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	51.7	40.7	61.1		
54	47.2	36.3	54.5		





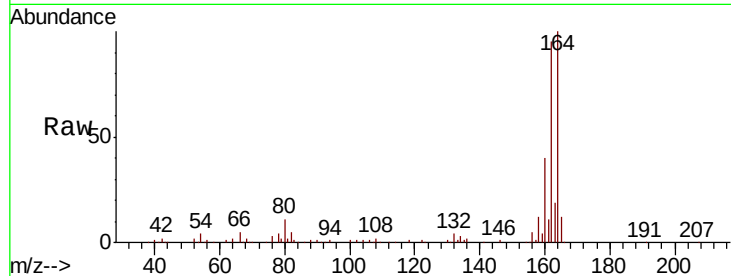
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Instrument :
BNA_G
ClientSampleId :
T12-G1-G4-(0-2.7)

Tot Ion	Ratio	Lower	Upper
164	100		
162	95.5	79.9	119.9
160	40.5	34.3	51.5

Manual Integrations
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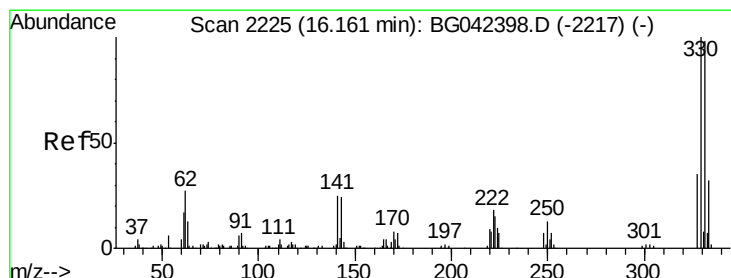
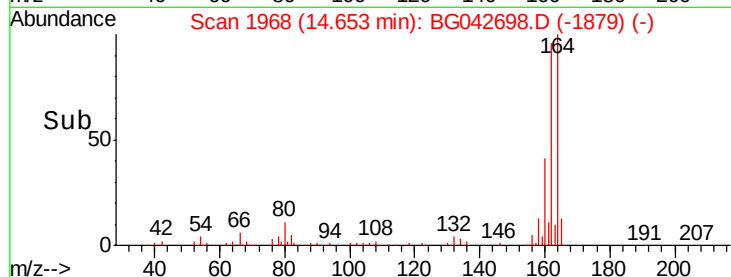
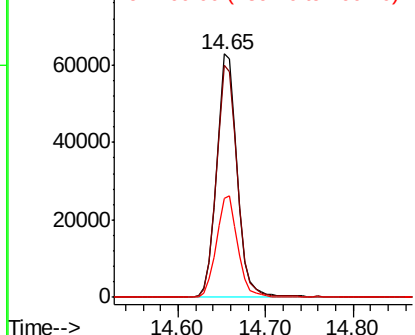


Abundance

Ion 164.00 (163.70 to 164.70): E

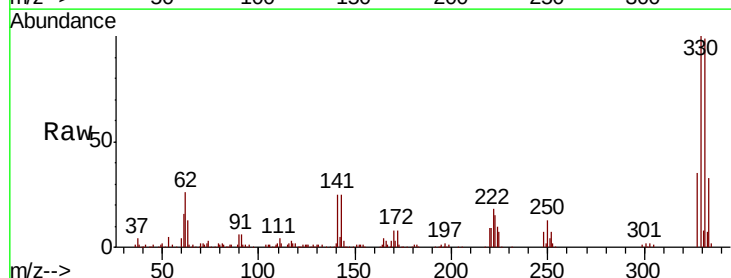
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 105.417 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.4	116.0
141	25.7	21.4	32.0

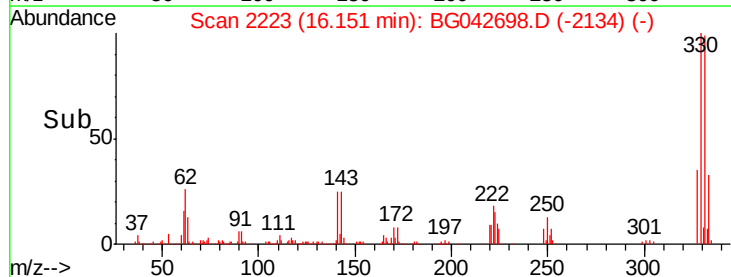
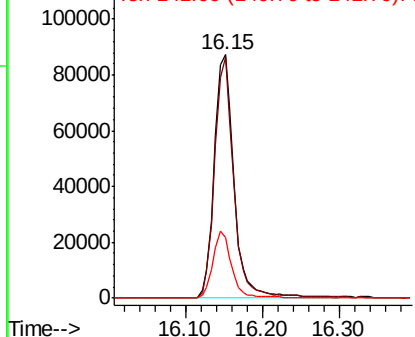


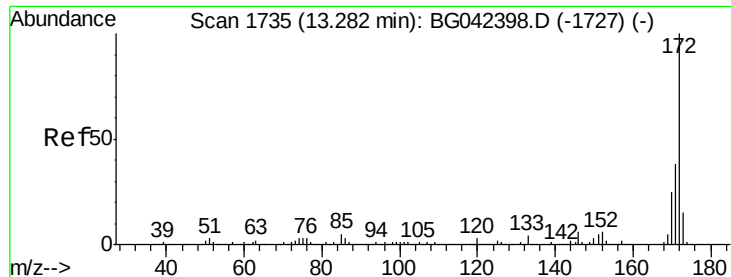
Abundance

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





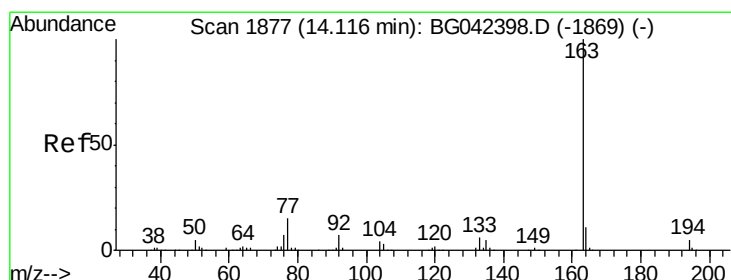
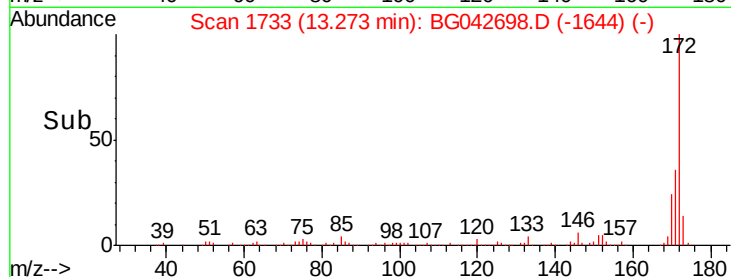
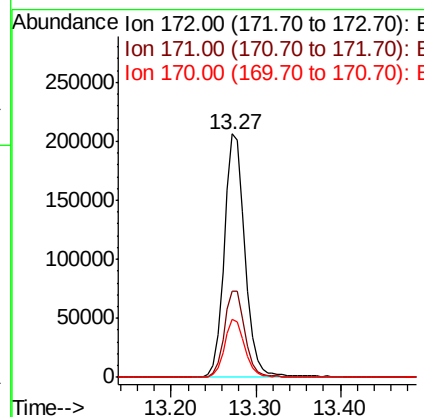
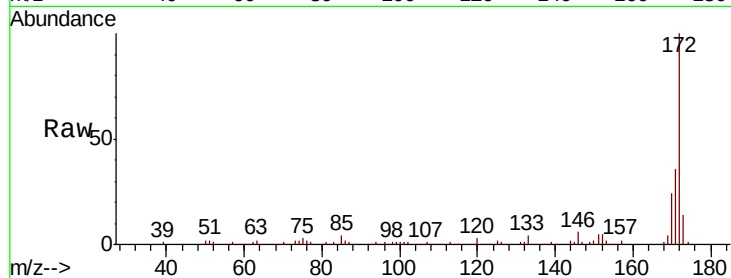
#45
2-Fluorobiphenyl
Concen: 57.999 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Instrument :
BNA_G
ClientSampleId :
T12-G1-G4-(0-2.7)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.5	45.7
170	24.0	20.2	30.2

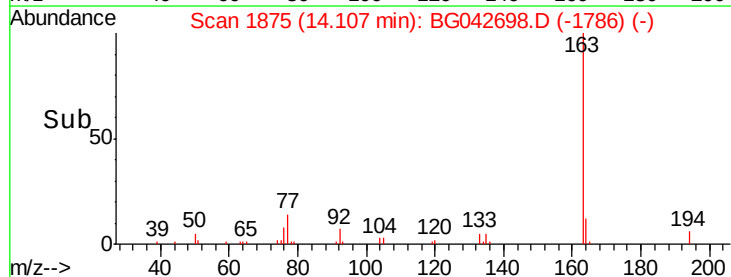
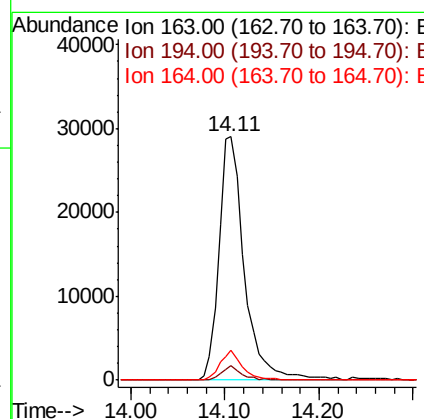
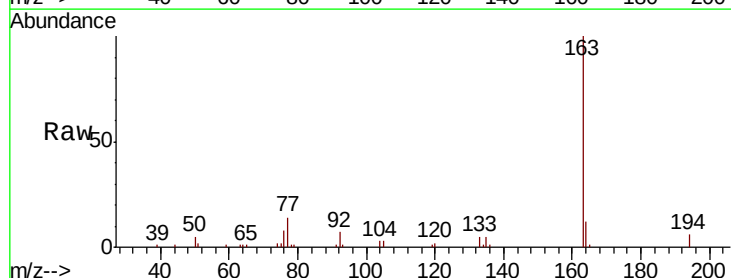
Manual Integrations
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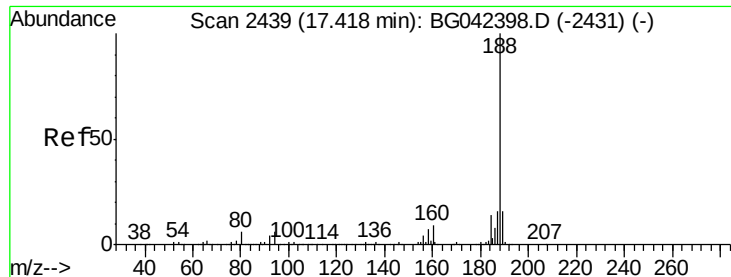
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#50
Dimethylphthalate
Concen: 7.412 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.8	4.2	6.2
164	12.2	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: BG042698.D

Acq: 3 Sep 2019 21:02

Instrument :

BNA_G

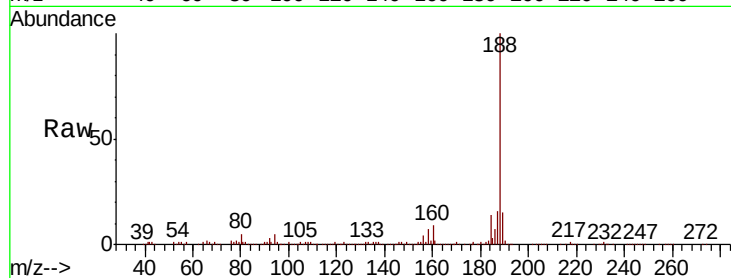
ClientSampleId :

T12-G1-G4-(0-2.7)

Tot Ion	188	Resp	225280
Ion Ratio	Lower	Upper	
188	100		
94	4.8	4.5	6.7
80	4.9	4.9	7.3

Manual Integrations
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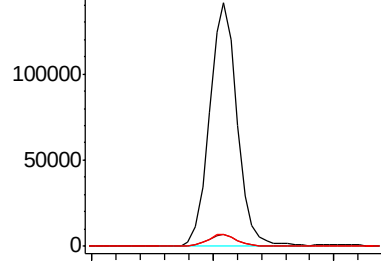
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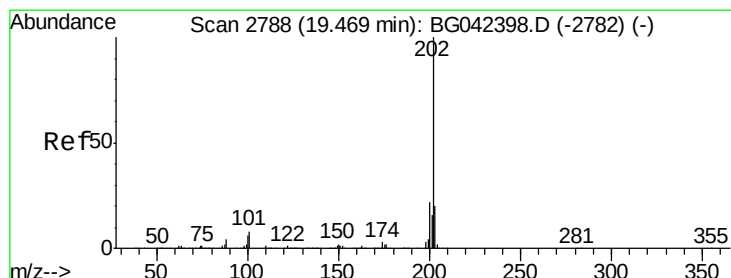
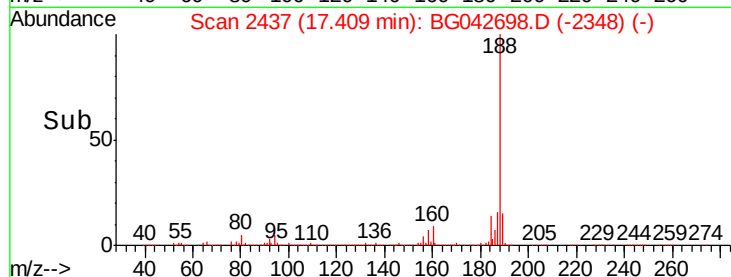
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.30 17.40 17.50



#75

Fluoranthene

Concen: 4.581 ng

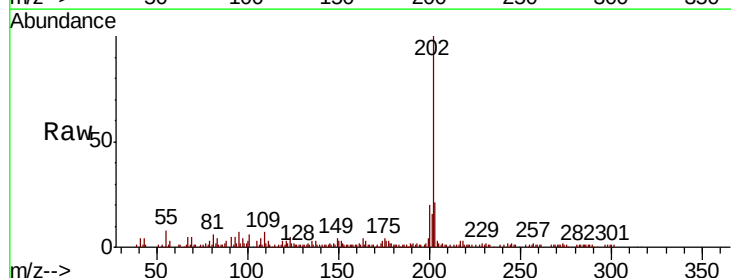
RT: 19.47 min Scan# 2787

Delta R.T. -0.00 min

Lab File: BG042698.D

Acq: 3 Sep 2019 21:02

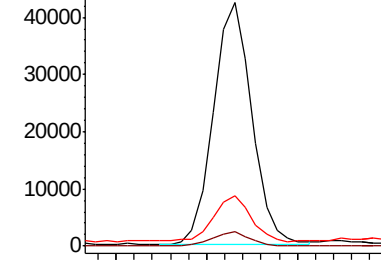
Tgt Ion	202	Resp	62557
Ion Ratio	Lower	Upper	
202	100		
101	6.2	0.0	28.3
203	20.7	0.0	39.6



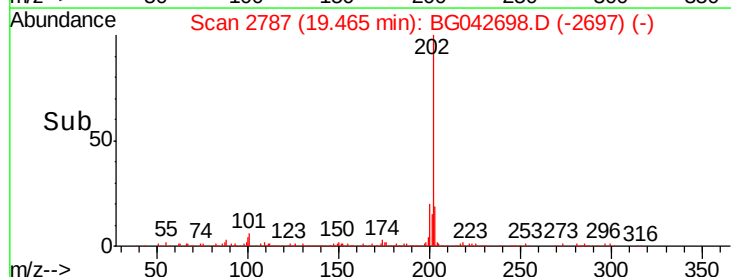
Abundance Ion 202.00 (201.70 to 202.70): E

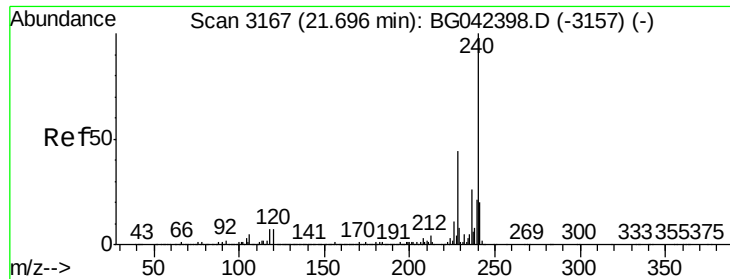
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.40 19.45 19.50





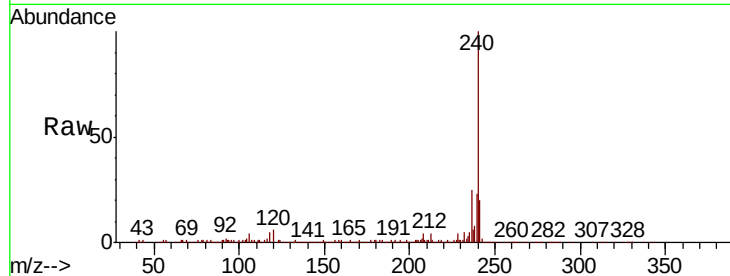
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Instrument :
BNA_G
ClientSampleId :
T12-G1-G4-(0-2.7)

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

Manual Integrations
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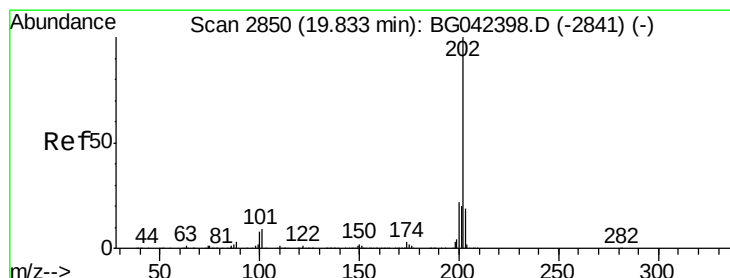
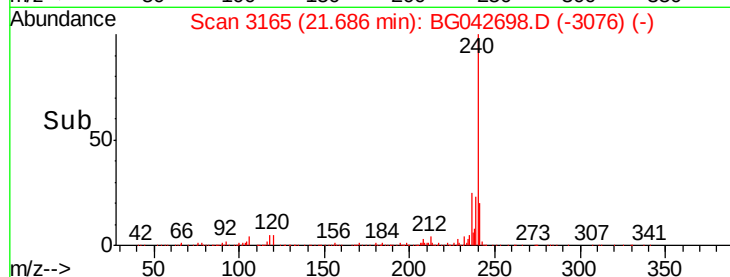
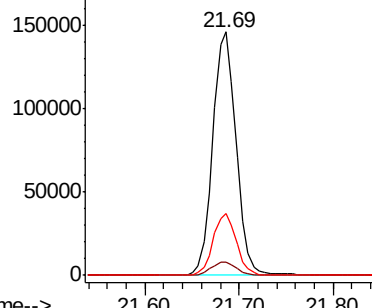


Abundance

Ion 240.00 (239.70 to 240.70): E

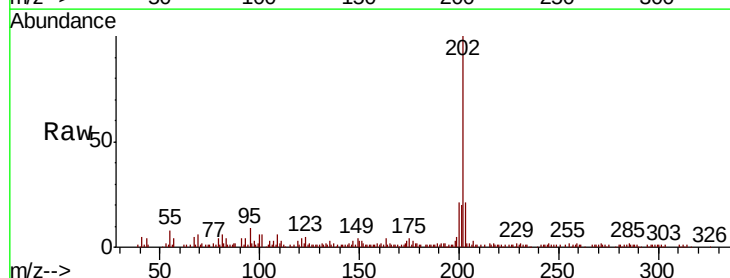
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 3.899 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.6
203	21.4	15.5	23.3

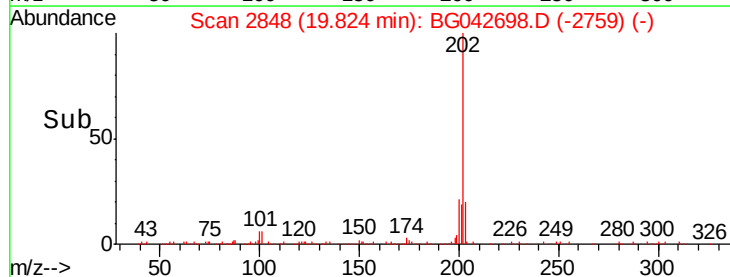
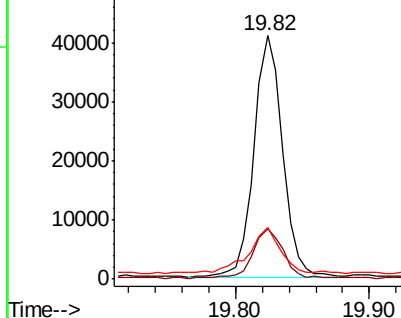


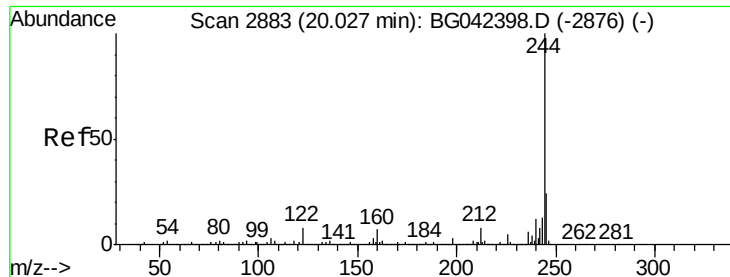
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





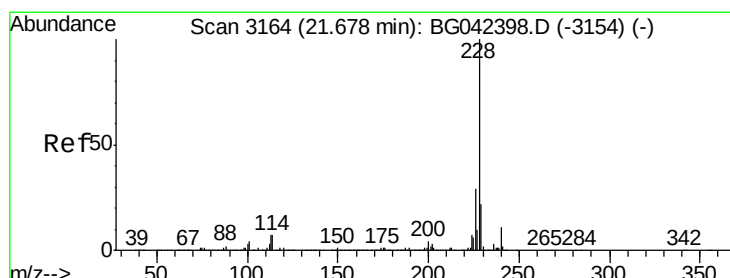
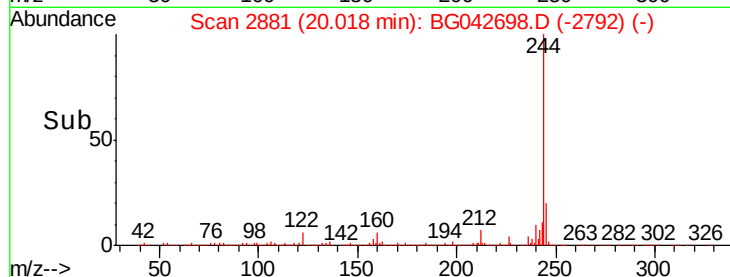
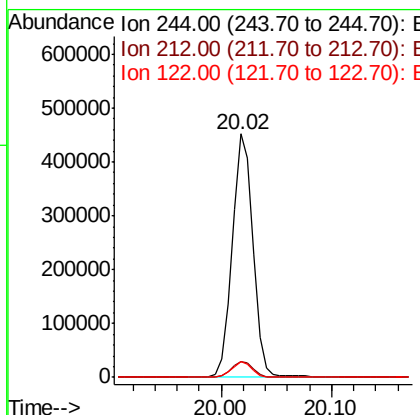
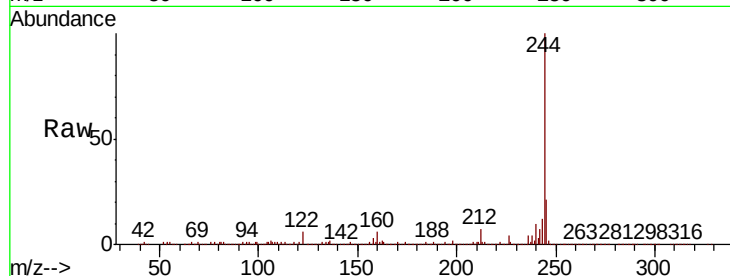
#79
 Terphenyl-d14
 Concen: 51.407 ng
 RT: 20.02 min Scan# 2881
 Delta R.T. -0.01 min
 Lab File: BG042698.D
 Acq: 3 Sep 2019 21:02

Instrument :
 BNA_G
 ClientSampleId :
 T12-G1-G4-(0-2.7)

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.6	6.0	9.0	
122	6.4	6.7	10.1	

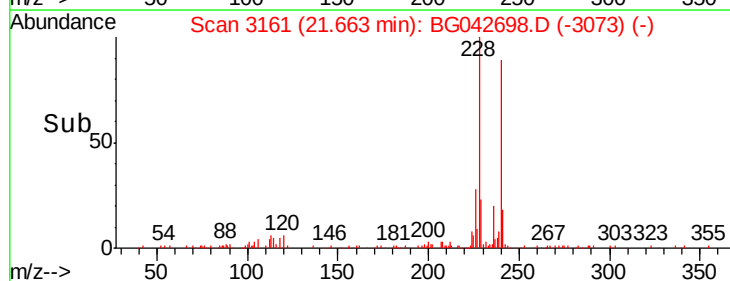
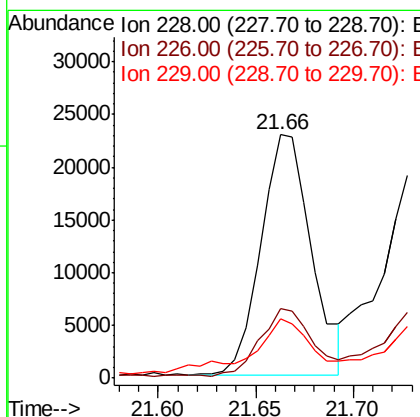
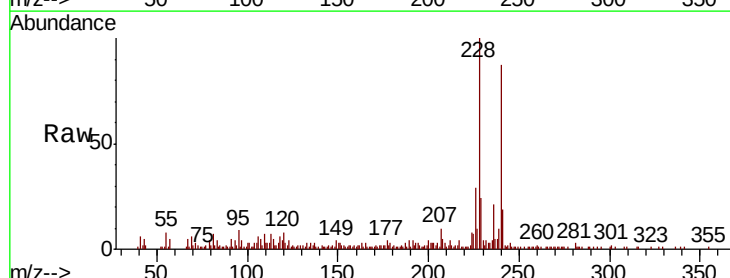
Manual Integrations
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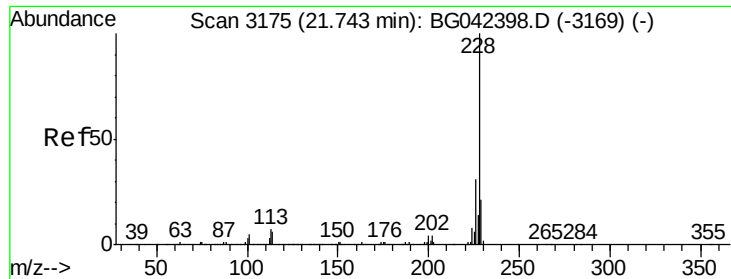
mohammad
 9/6/2019 8:17:43 AM



#81
 Benzo(a)anthracene
 Concen: 2.695 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.02 min
 Lab File: BG042698.D
 Acq: 3 Sep 2019 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.8	23.4	35.2	
229	24.2	17.4	26.2	





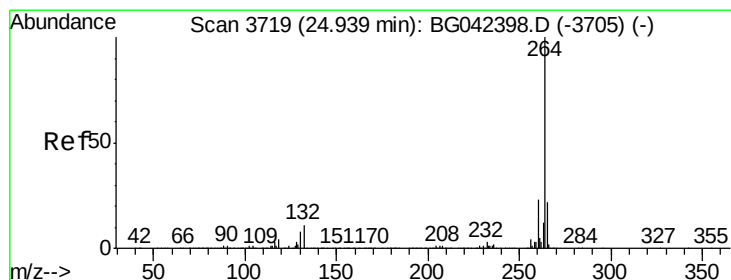
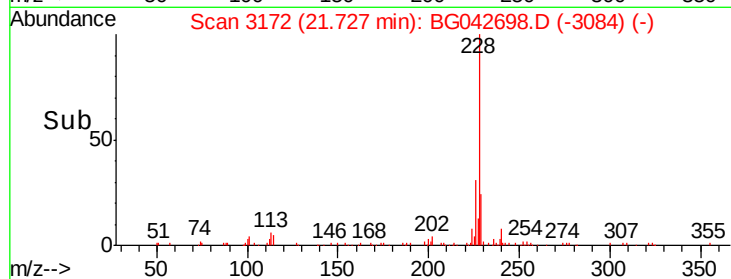
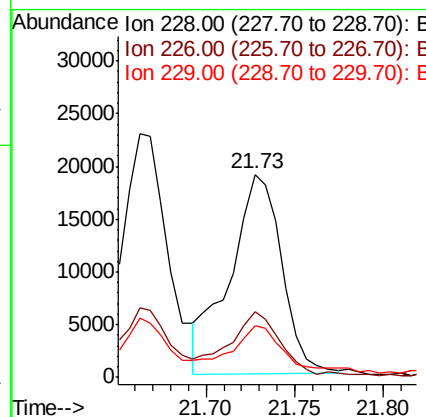
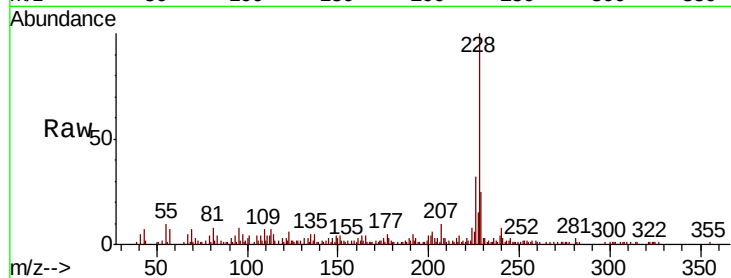
#83
Chrysene
Concen: 2.628 ng/ml
RT: 21.73 min Scan# 3172
Delta R.T. -0.02 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Instrument :
BNA_G
ClientSampleId :
T12-G1-G4-(0-2.7)

Tot Ion:	228	Resp:	38583
Ion Ratio	Lower	Upper	
228	100		
226	32.3	24.9	37.3
229	25.4	16.9	25.3

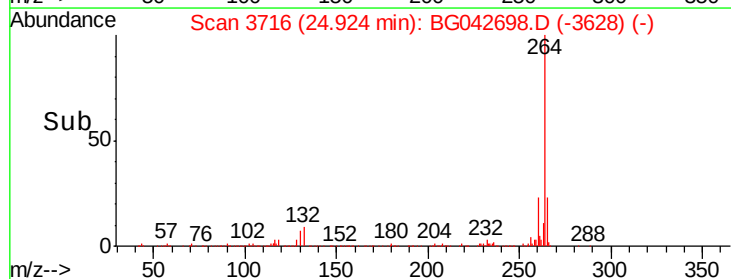
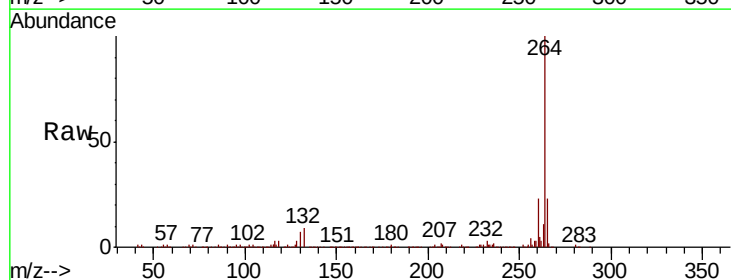
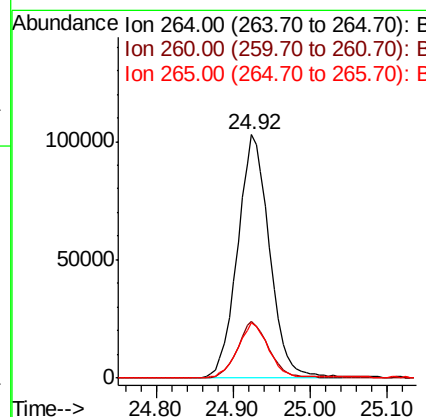
Manual Integrations
APPROVED

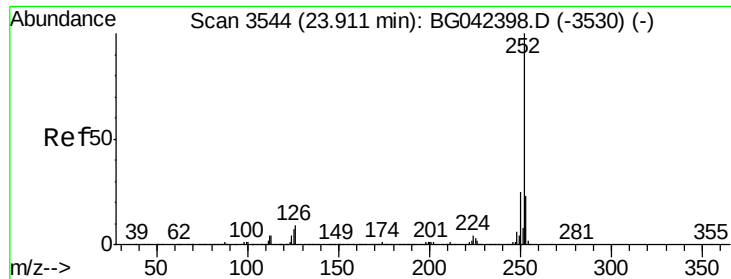
mohammad
9/6/2019 8:17:43 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion:	264	Resp:	299086
Ion Ratio	Lower	Upper	
264	100		
260	23.1	18.5	27.7
265	22.9	17.6	26.4





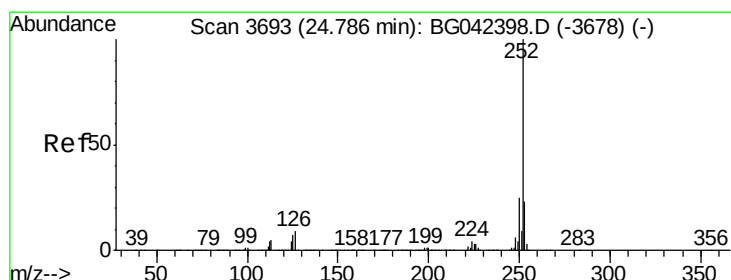
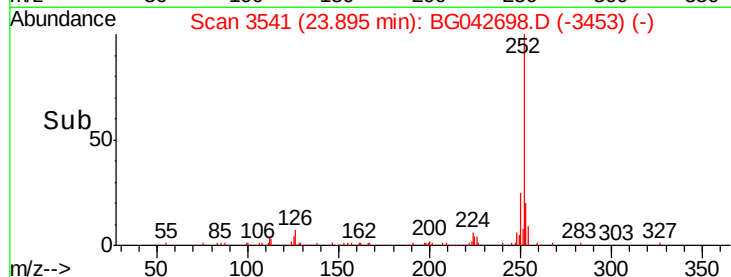
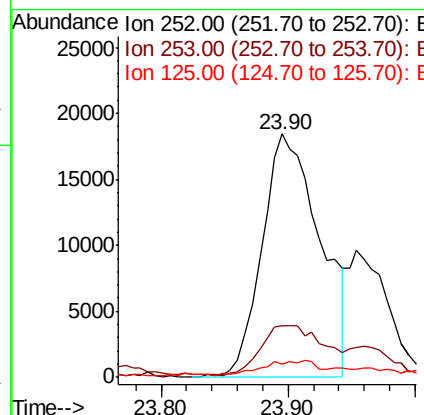
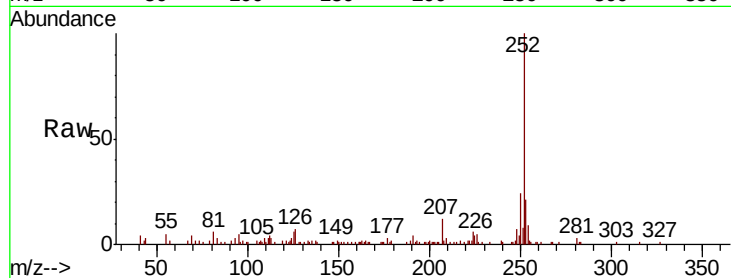
#88
Benzo(b)fluoranthene
Concen: 3.575 ng
RT: 23.90 min Scan# 3541
Delta R.T. -0.02 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Instrument :
BNA_G
ClientSampleId :
T12-G1-G4-(0-2.7)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.6	27.8
125	5.7	5.6	8.4

Manual Integrations
APPROVED

mohammad
9/6/2019 8:17:43 AM



#90
Benzo(a)pyrene
Concen: 2.478 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042698.D
Acq: 3 Sep 2019 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.4	27.6
125	6.6	6.0	9.0

