

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090519\
 Data File : BG042746.D
 Acq On : 6 Sep 2019 8:46
 Operator : HP/JU
 Sample : K4692-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-31-COMP

Manual Integrations
 APPROVED

mohammad
 9/10/2019 9:51:55 AM

Quant Time: Sep 06 09:28:39 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	7.99	152	35298	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	123704	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	87538	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	202513	20.00	ng	0.00
76) Chrysene-d12	21.69	240	226685	20.00	ng	0.00
87) Perylene-d12	24.94	264	276753	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	123429	70.82	ng	0.00
7) Phenol-d6	7.16	99	161610	68.65	ng	-0.01
23) Nitrobenzene-d5	9.16	82	97648	54.55	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	101197	81.33	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	321110	62.04	ng	0.00
79) Terphenyl-d14	20.02	244	587552	56.04	ng	0.00
Target Compounds						
10) Phenol	7.19	94	5028	2.101	ng	Qvalue # 65
49) Acenaphthylene	14.38	152	27705	3.774	ng	95
50) Dimethylphthalate	14.10	163	46709	7.395	ng	98
52) Acenaphthene	14.72	154	10152	2.278	ng	96
55) Dibenzofuran	15.06	168	15477	2.098	ng	98
58) Fluorene	15.71	166	18438	3.057	ng	96
71) Phenanthrene	17.45	178	355371	35.328	ng	99
72) Anthracene	17.54	178	82988	8.264	ng	98
73) Carbazole	17.82	167	22497	2.514	ng	97
75) Fluoranthene	19.47	202	755397	61.532	ng	96
78) Pyrene	19.83	202	719334	51.758	ng	99
81) Benzo(a)anthracene	21.67	228	521350	37.807	ng	99
83) Chrysene	21.74	228	445785	33.520	ng	98
86) Indeno(1,2,3-cd)pyrene	28.66	276	376880	20.853	ng	# 94
88) Benzo(b)fluoranthene	23.91	252	677901	44.555	ng	99
89) Benzo(k)fluoranthene	23.97	252	246109m	16.828	ng	
90) Benzo(a)pyrene	24.79	252	547193m	37.901	ng	
91) Dibenzo(a,h)anthracene	28.69	278	94157m	6.441	ng	
92) Benzo(a,h,i)perylene	29.81	276	365896	25.026	ng	# 96

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

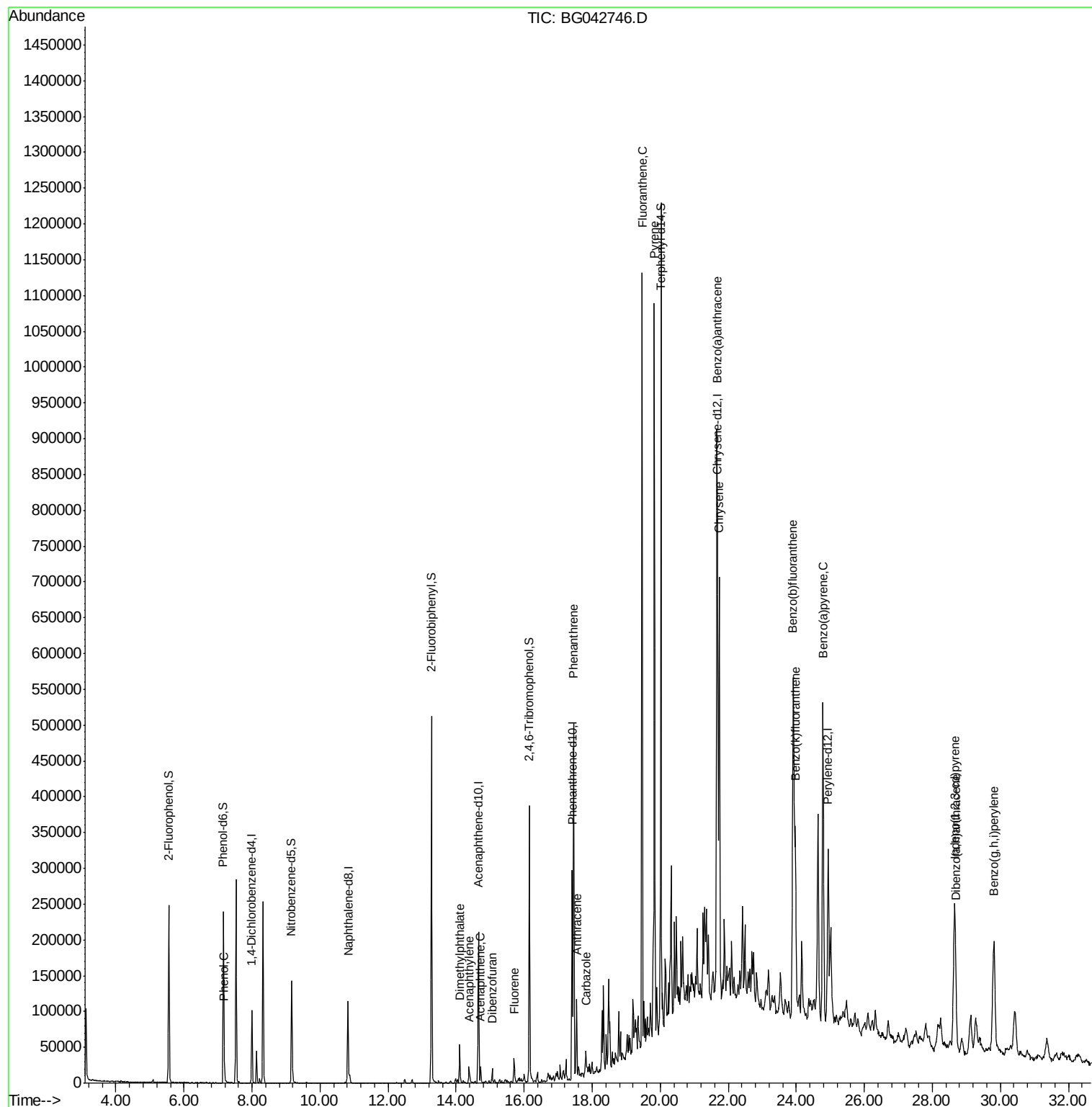
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090519\
Data File : BG042746.D
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Operator : HP/JU
Sample : K4692-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

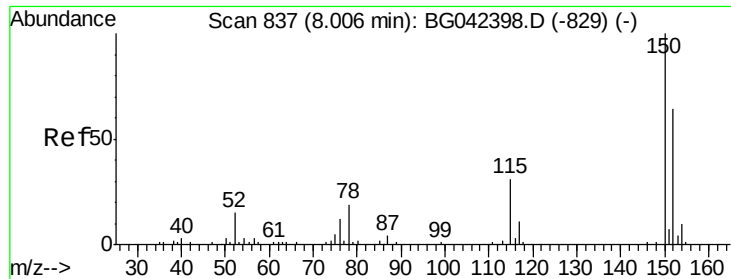
Instrument :
BNA_G
ClientSampleId :
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#1

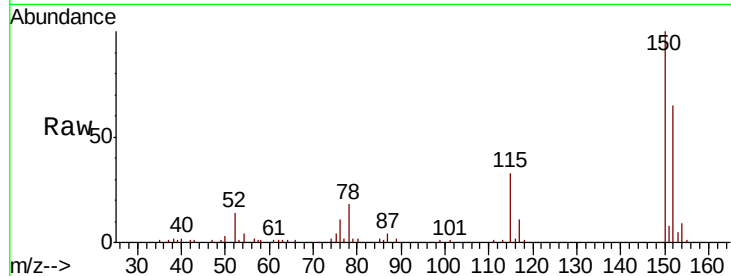
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Instrument :
BNA_G
ClientSampleId :
SB-31-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	125.4	188.0
115	50.3	38.5	57.7

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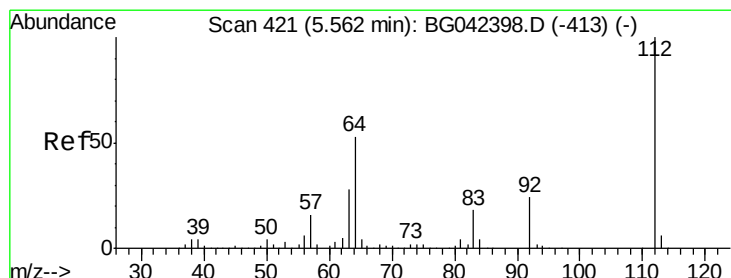
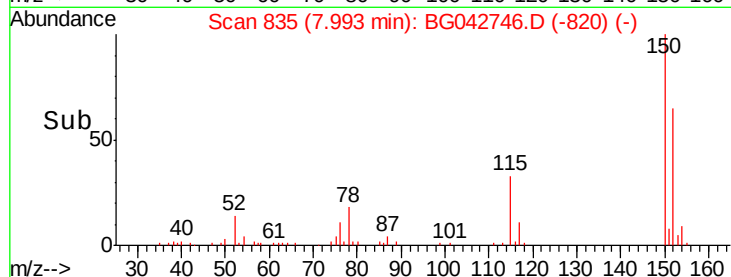
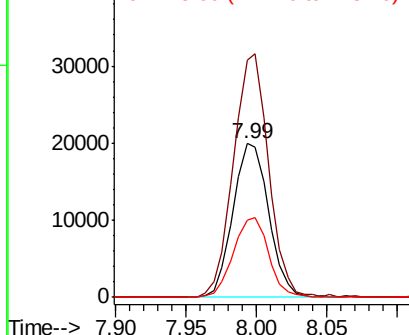


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

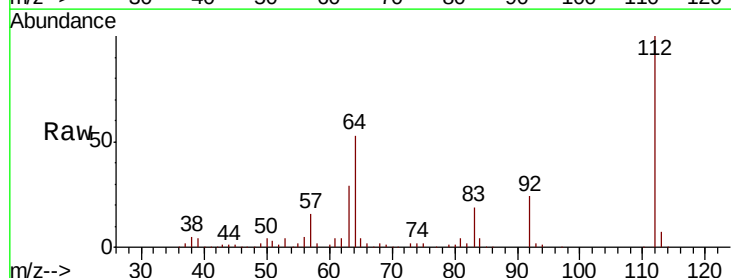
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 70.820 ng
RT: 5.55 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	42.8	64.2
63	28.5	22.7	34.1

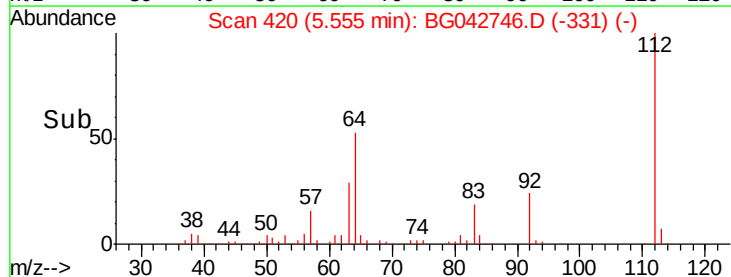
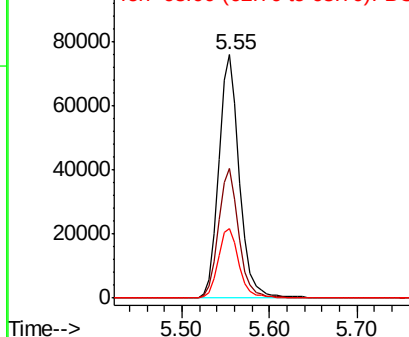


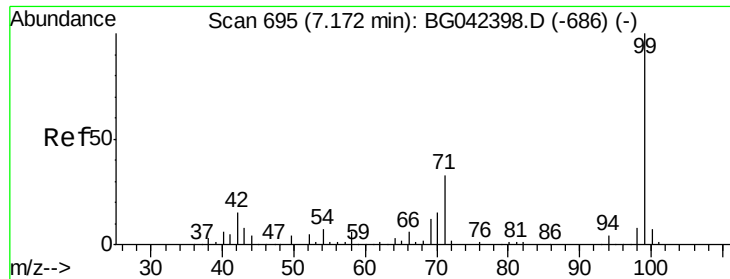
Abundance

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: 68.647 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042746.D

Acq: 6 Sep 2019 8:46

Instrument :

BNA_G

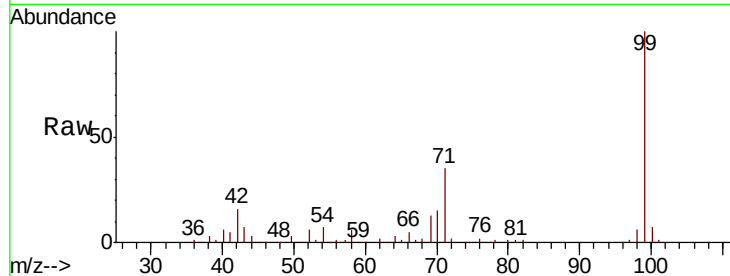
ClientSampleId :

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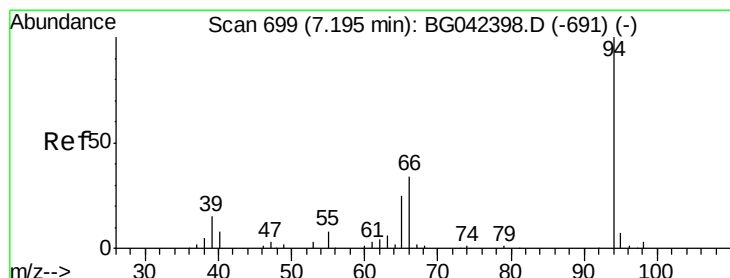
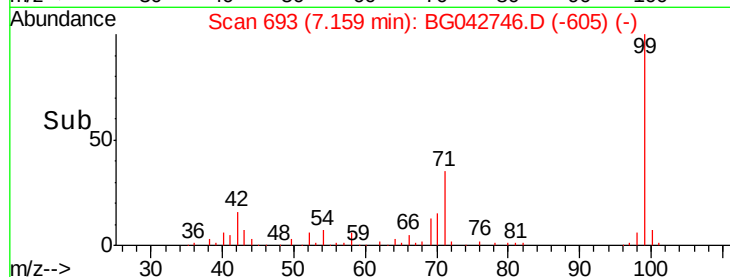
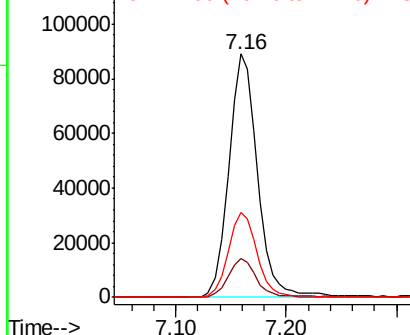
Tot Ion:	99	Resp:	161610
Ion	Ratio	Lower	Upper
99	100		
42	15.7	12.0	18.0
71	34.9	26.3	39.5

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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



#10

Phenol

Concen: 2.101 ng

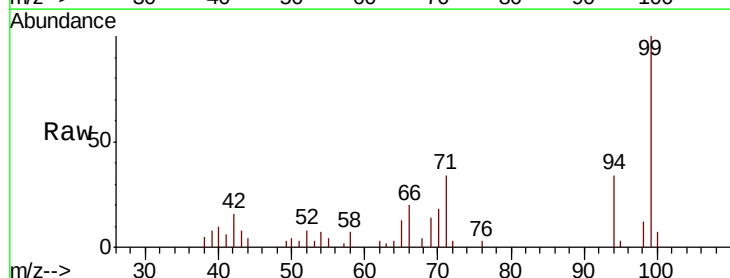
RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

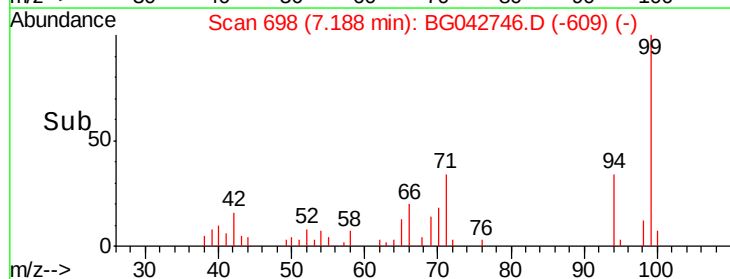
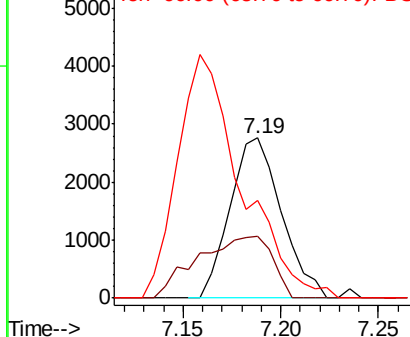
Lab File: BG042746.D

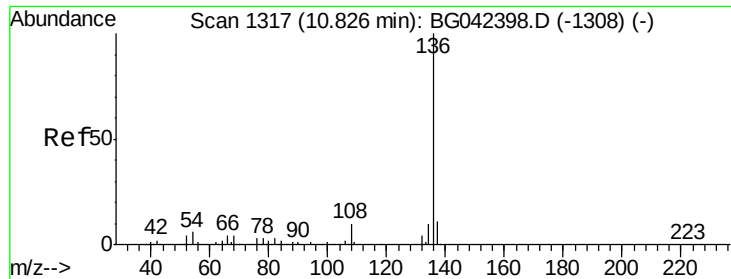
Acq: 6 Sep 2019 8:46

Tgt Ion:	94	Resp:	5028
Ion	Ratio	Lower	Upper
94	100		
65	38.7	5.6	45.6
66	60.8	16.0	56.0#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





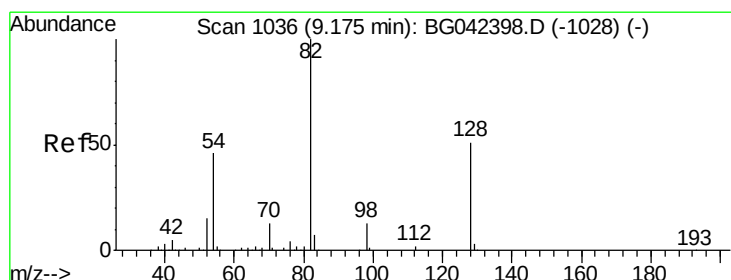
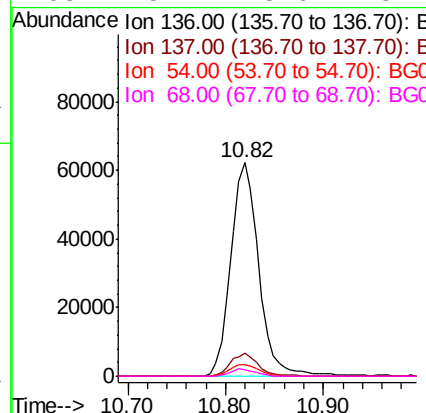
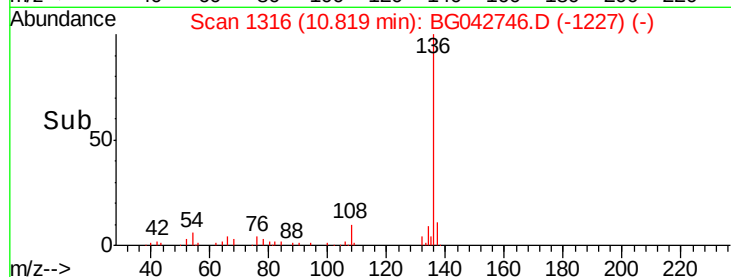
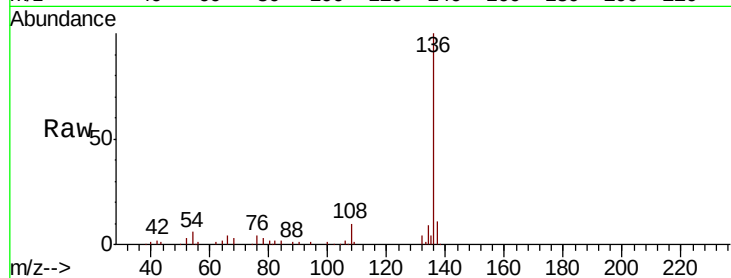
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Instrument :
BNA_G
ClientSampleId :
SB-31-COMP

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	8.7	13.1
54	5.5	4.9	7.3
68	3.2	3.6	5.4

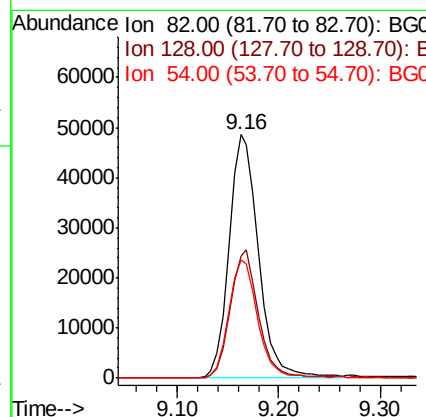
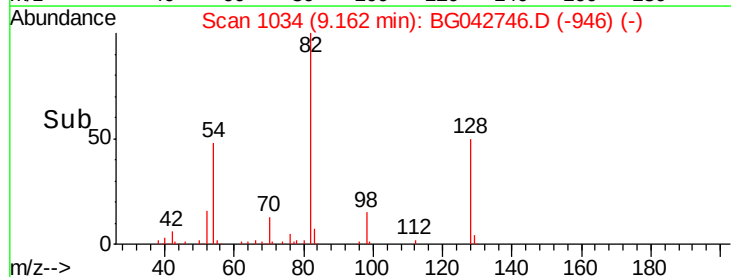
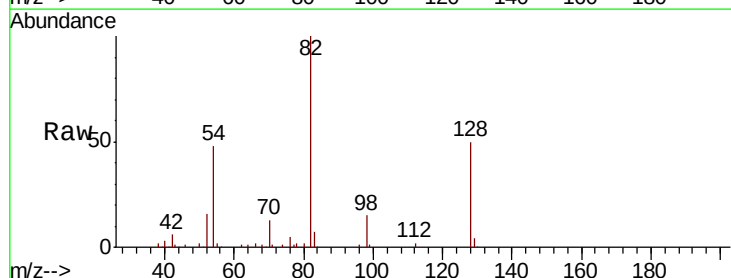
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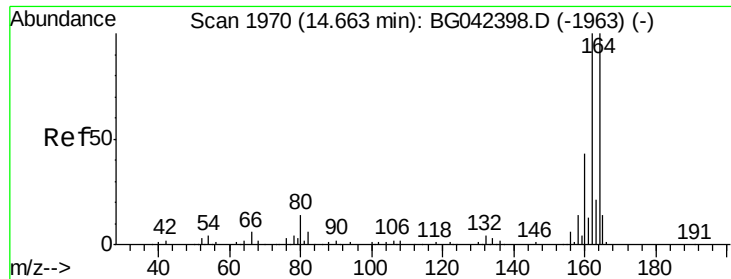
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#23
Nitrobenzene-d5
Concen: 54.548 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	50.1	40.7	61.1
54	48.5	36.3	54.5





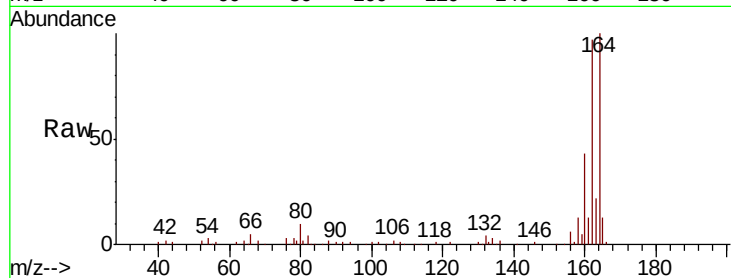
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Instrument :
BNA_G
ClientSampleId :
SB-31-COMP

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.9	79.9	119.9
160	42.9	34.3	51.5

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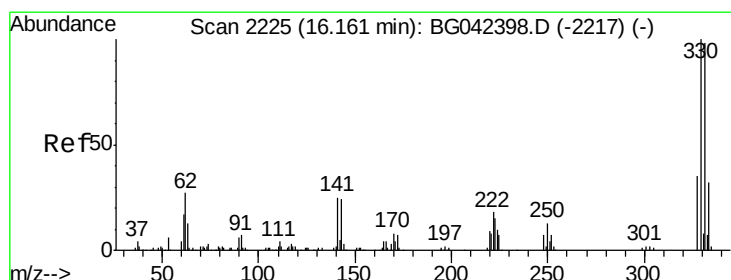
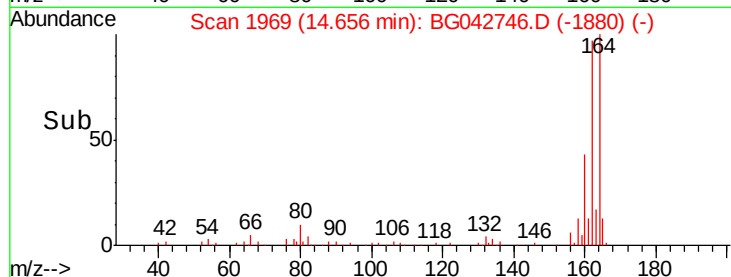
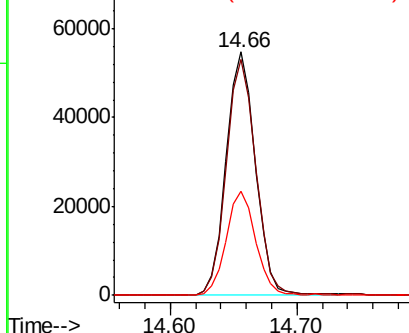


Abundance

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: 81.334 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

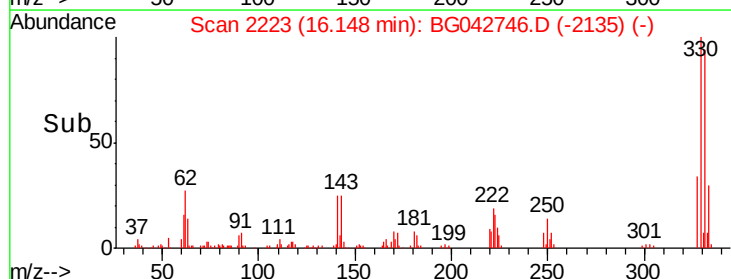
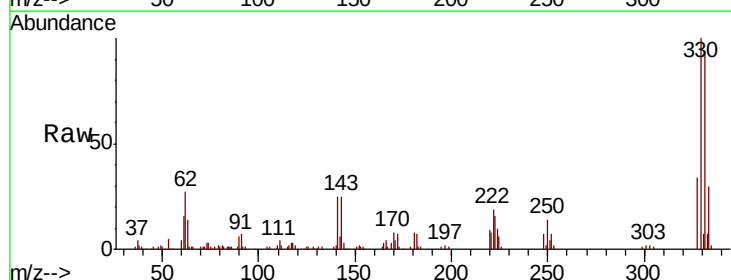
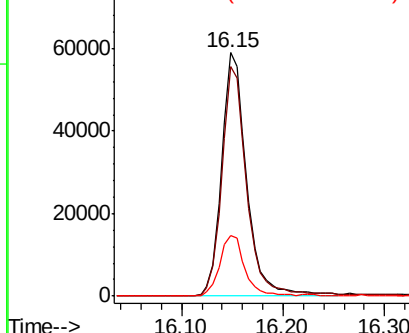
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.4	116.0
141	25.0	21.4	32.0

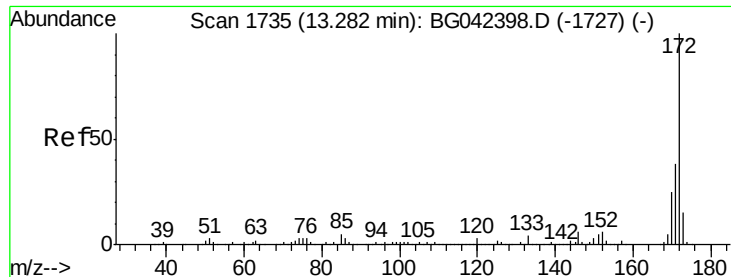
Abundance

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: 62.040 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042746.D

Acq: 6 Sep 2019 8:46

Instrument :

BNA_G

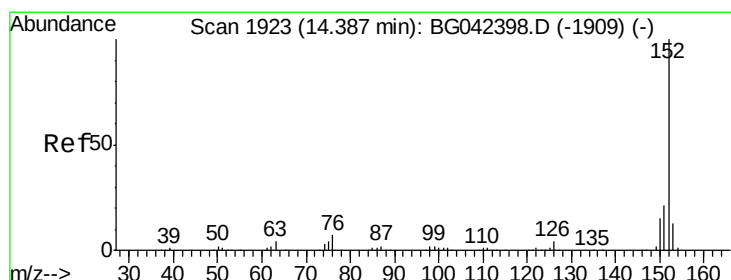
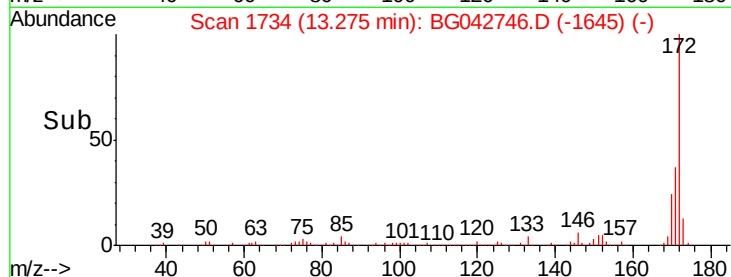
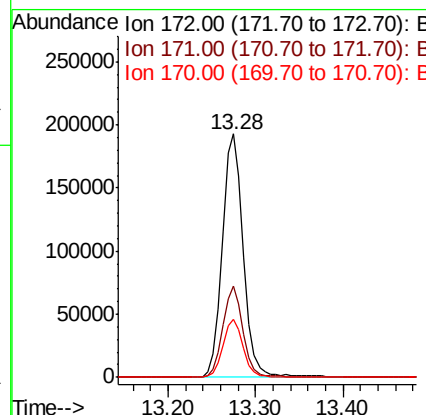
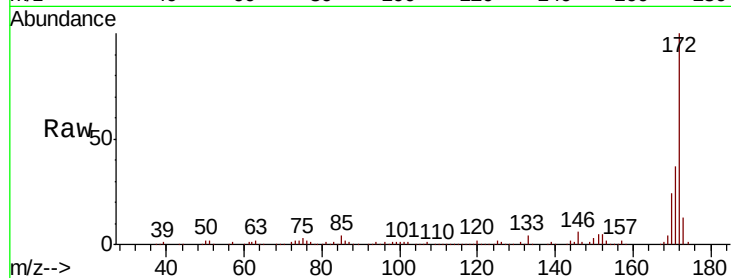
ClientSampleId :

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Tot Ion:	172	Resp:	321110
Ion Ratio	Lower	Upper	
172	100		
171	37.3	30.5	45.7
170	23.7	20.2	30.2

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#49

Acenaphthylene

Concen: 3.774 ng

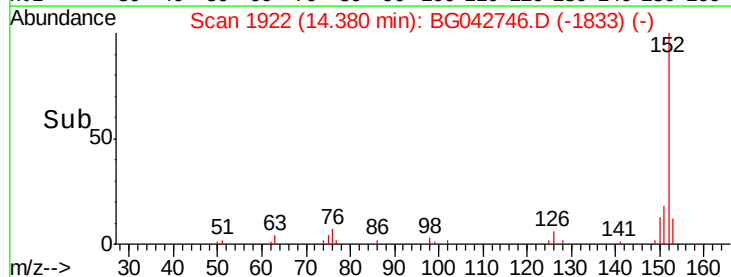
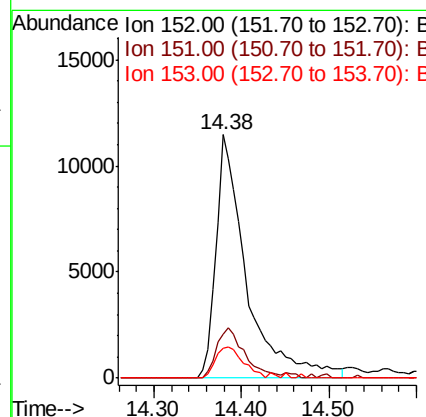
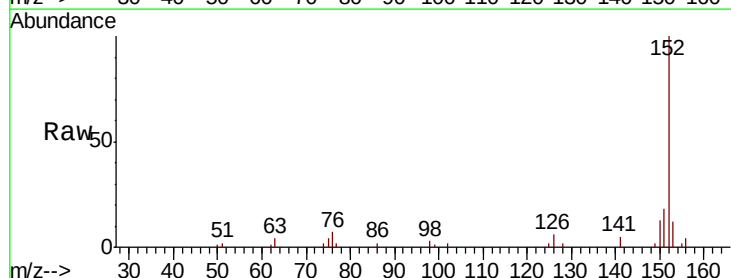
RT: 14.38 min Scan# 1922

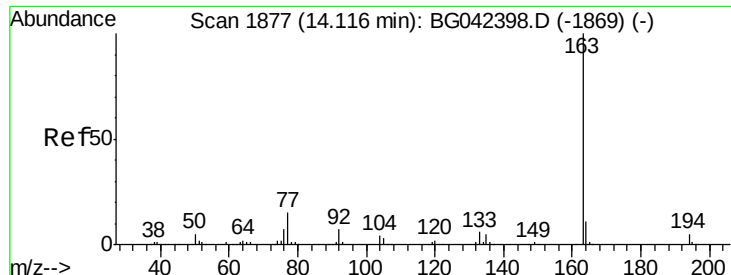
Delta R.T. -0.01 min

Lab File: BG042746.D

Acq: 6 Sep 2019 8:46

Tgt Ion:	152	Resp:	27705
Ion Ratio	Lower	Upper	
152	100		
151	18.0	17.0	25.4
153	12.0	10.6	16.0





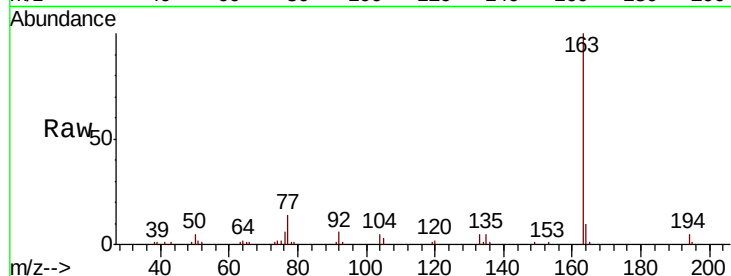
#50
Dimethylphthalate
Concen: 7.395 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Instrument :
BNA_G
ClientSampleId :
SB-31-COMP

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.1	4.2	6.2
164	10.0	8.8	13.2

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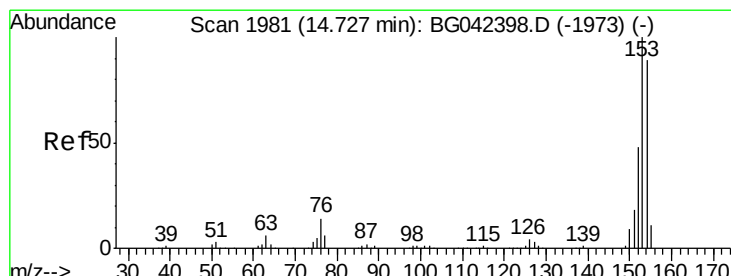
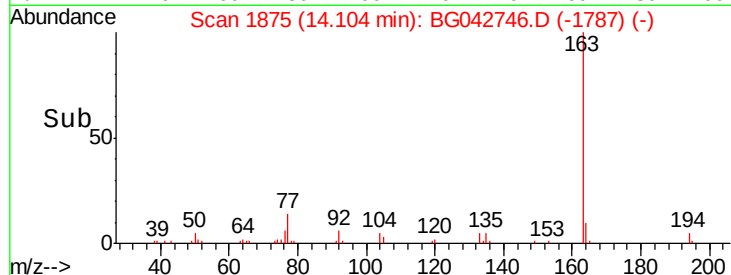
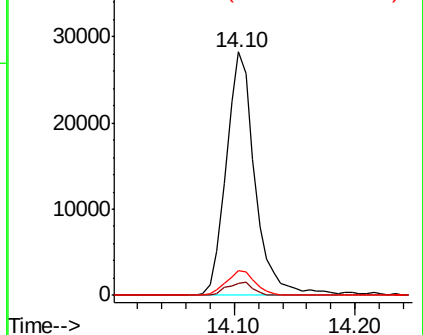


Abundance

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



#52
Acenaphthene
Concen: 2.278 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

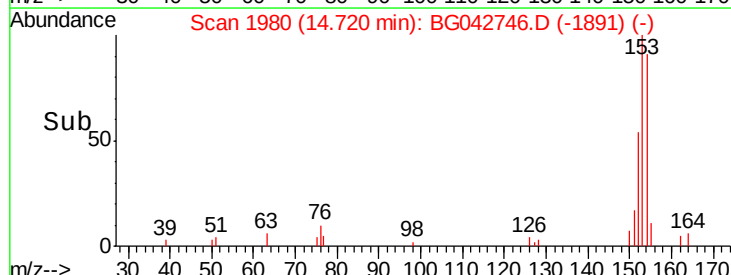
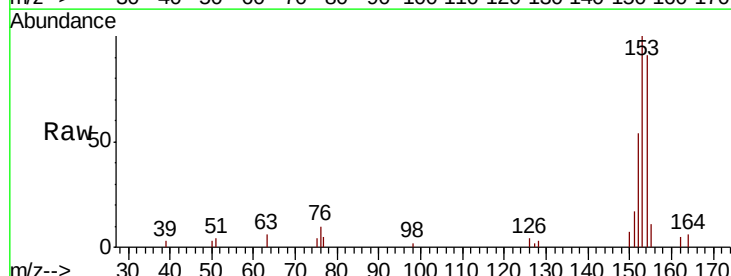
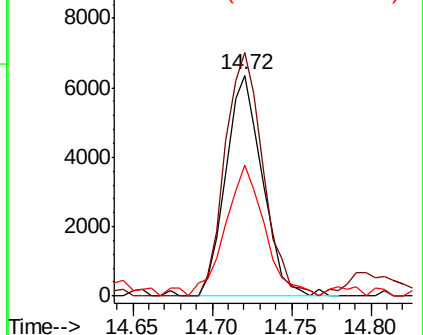
Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.4	90.2	135.4
152	59.6	43.2	64.8

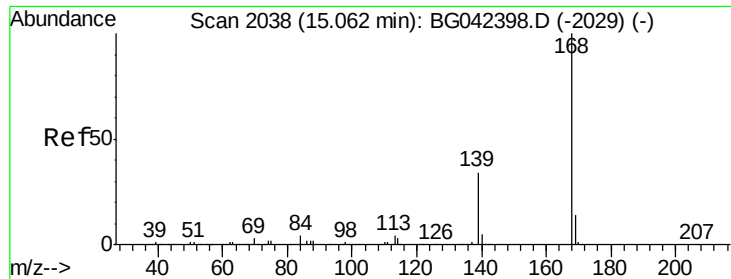
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





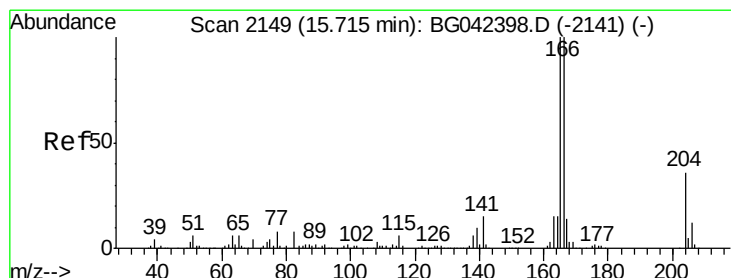
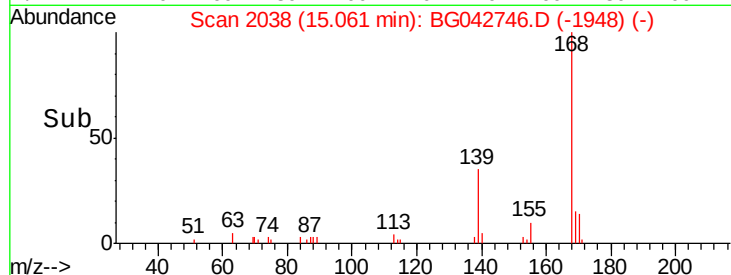
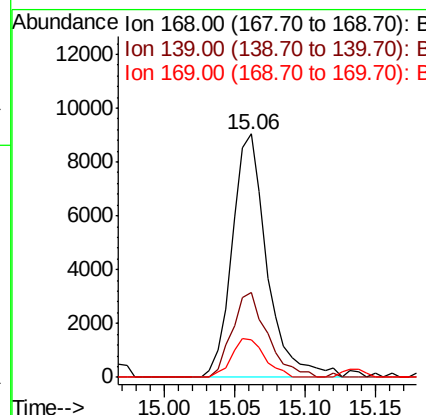
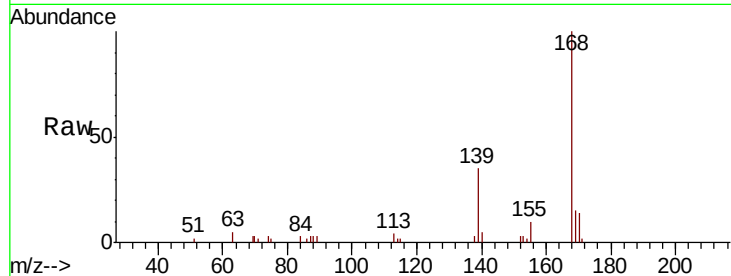
#55
Dibenzenofuran
Concen: 2.098 ng
RT: 15.06 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Instrument :
BNA_G
ClientSampleId :
SB-31-COMP

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.9	27.2	40.8
169	15.3	11.5	17.3

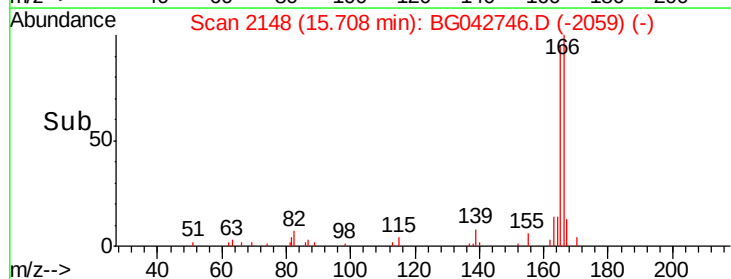
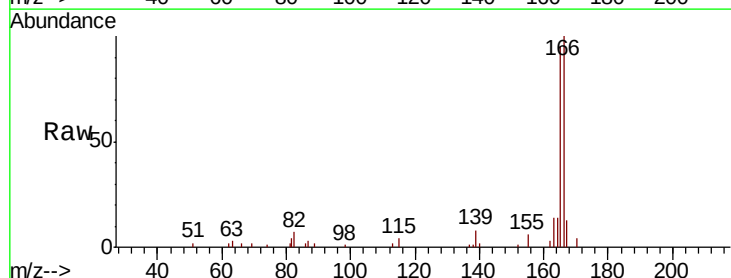
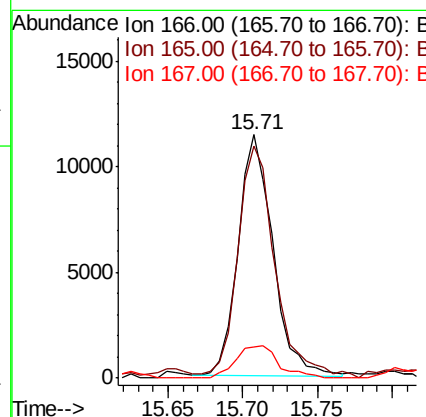
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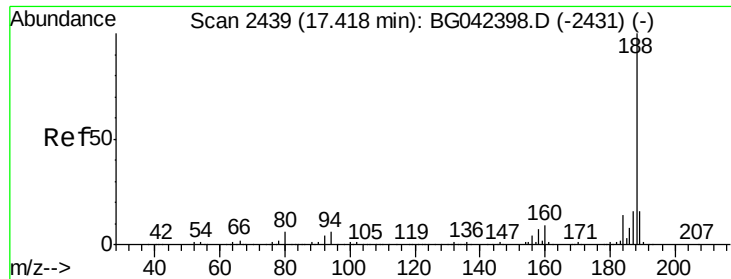
mohammad
9/10/2019 9:51:55 AM



#58
Fluorene
Concen: 3.057 ng
RT: 15.71 min Scan# 2148
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.5	79.7	119.5
167	12.7	10.9	16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042746.D

Acq: 6 Sep 2019 8:46

Instrument :

BNA_G

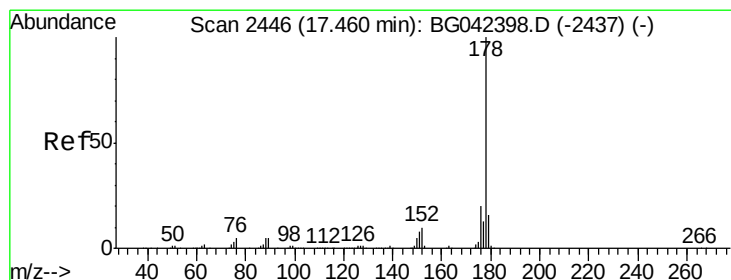
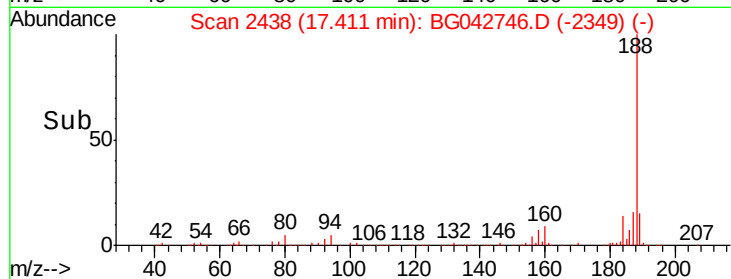
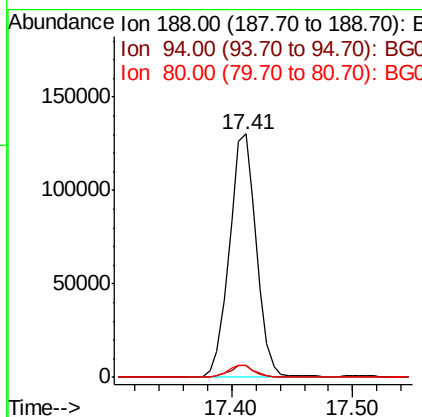
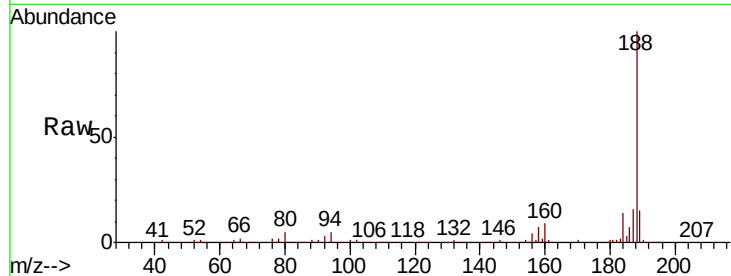
ClientSampleId :

SB-31-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	202513		
94	4.8		4.5	6.7
80	5.0		4.9	7.3

Manual Integrations
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#71

Phenanthrene

Concen: 35.328 ng

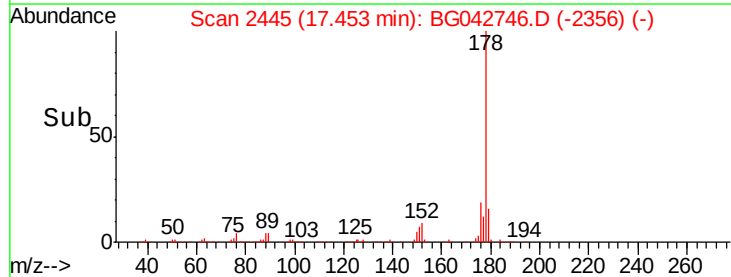
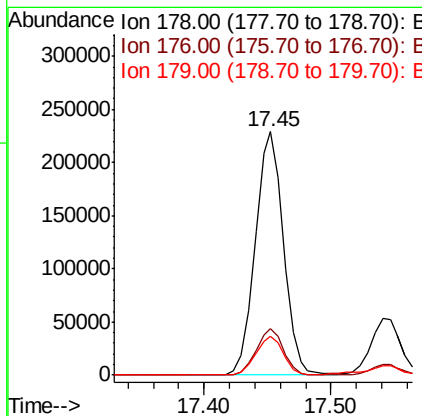
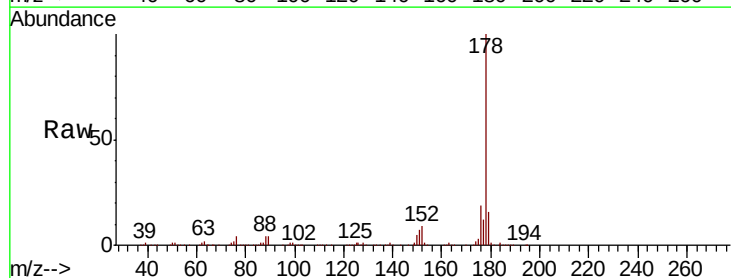
RT: 17.45 min Scan# 2445

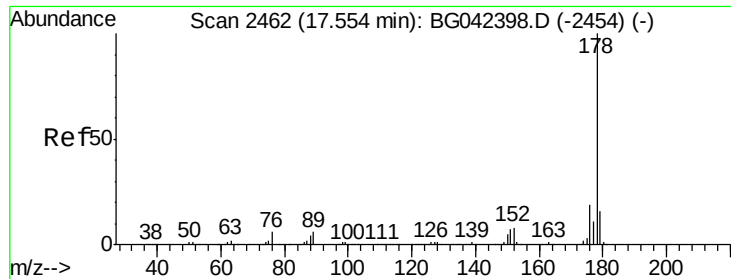
Delta R.T. -0.01 min

Lab File: BG042746.D

Acq: 6 Sep 2019 8:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	355371		
176	19.1		15.9	23.9
179	15.9		12.7	19.1





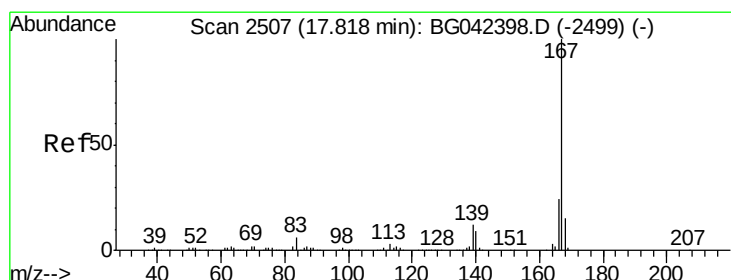
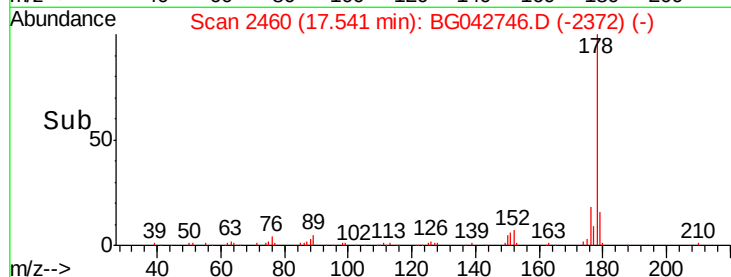
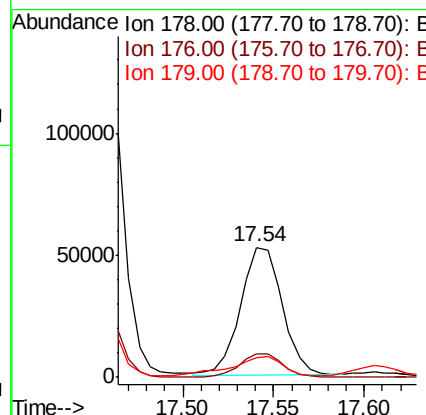
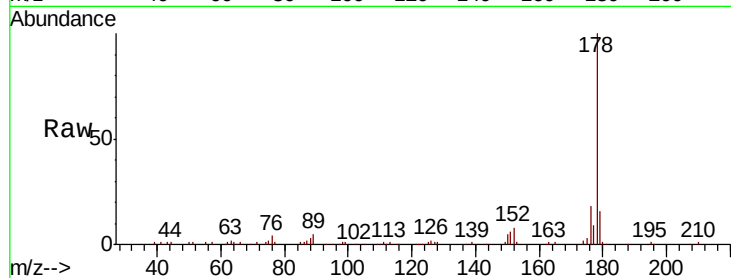
#72
 Anthracene
 Concen: 8.264 ng
 RT: 17.54 min Scan# 2460
 Delta R.T. -0.01 min
 Lab File: BG042746.D
 Acq: 6 Sep 2019 8:46

Instrument :
 BNA_G
 ClientSampleId :
 SB-31-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.5	23.3
179	15.5	12.9	19.3

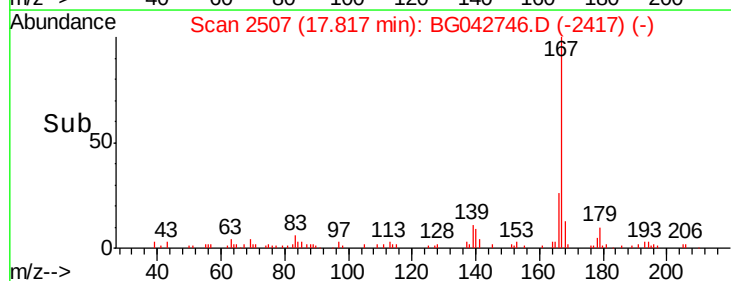
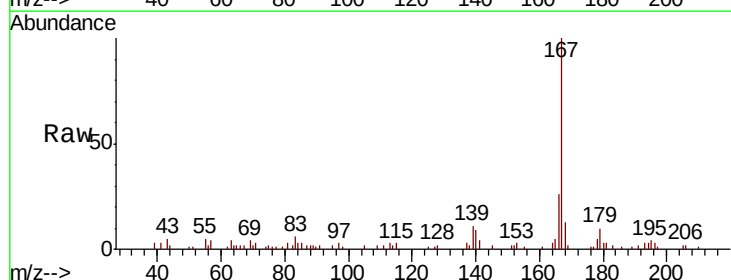
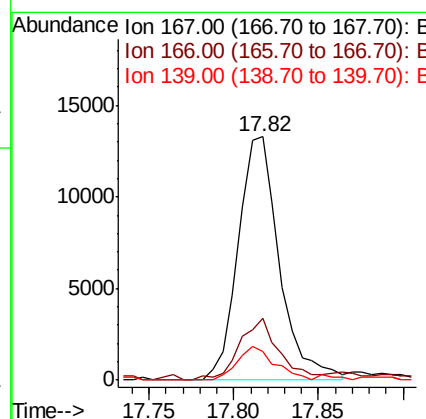
Manual Integrations
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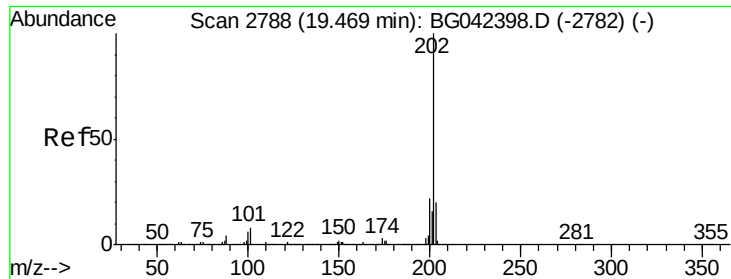
mohammad
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#73
 Carbazole
 Concen: 2.514 ng
 RT: 17.82 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: BG042746.D
 Acq: 6 Sep 2019 8:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.5	18.9	28.3
139	11.5	9.8	14.6





#75

Fluoranthene

Concen: 61.532 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.00 min

Lab File: BG042746.D

Acq: 6 Sep 2019 8:46

Instrument :

BNA_G

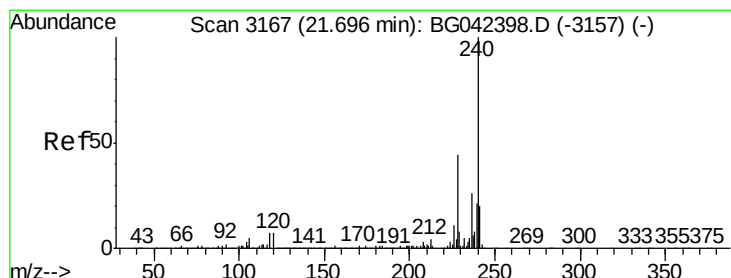
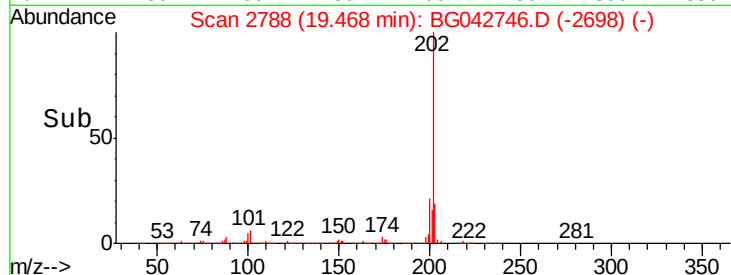
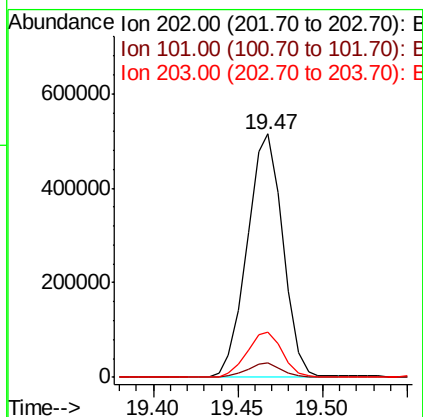
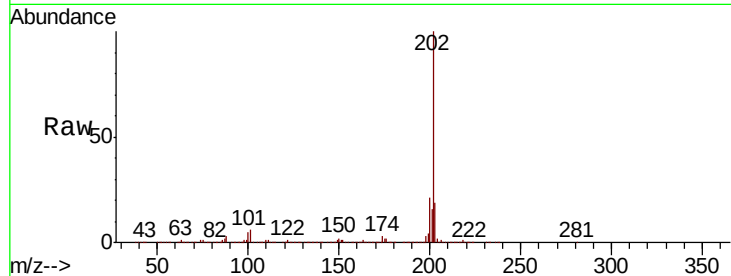
ClientSampleId :

SB-31-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	5.8	0.0	28.3
203	18.6	0.0	39.6

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

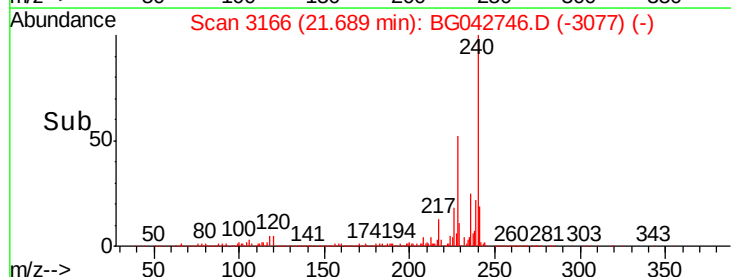
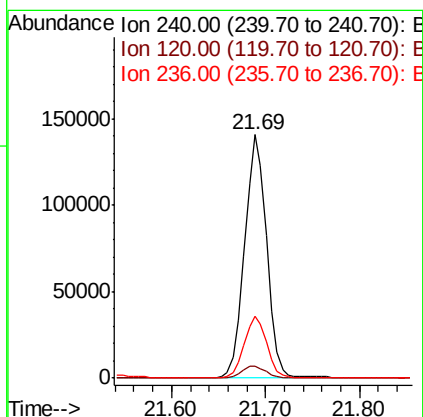
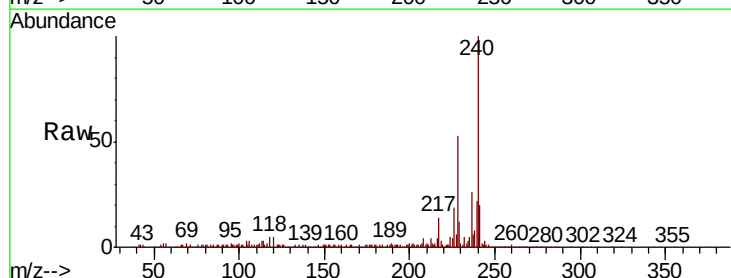
RT: 21.69 min Scan# 3166

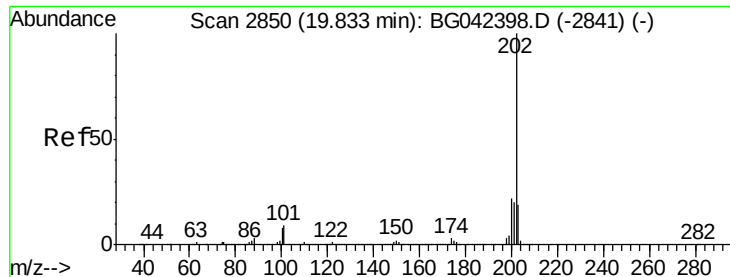
Delta R.T. -0.01 min

Lab File: BG042746.D

Acq: 6 Sep 2019 8:46

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	5.1	5.7	8.5#
236	25.6	21.0	31.4





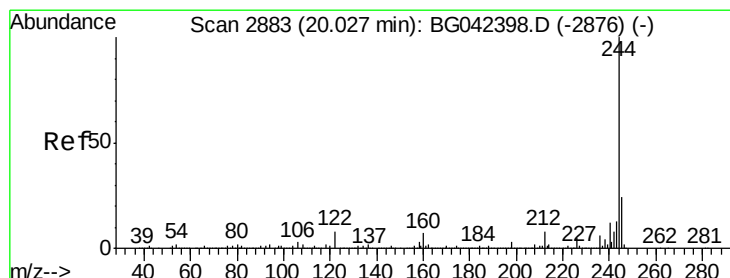
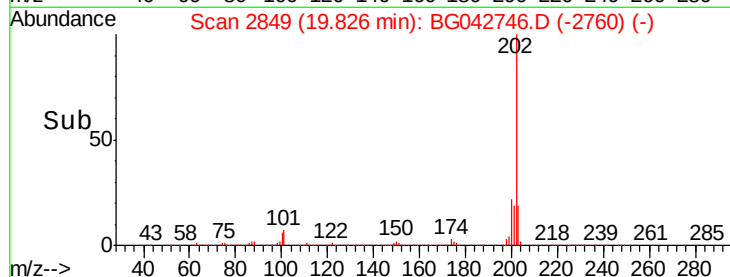
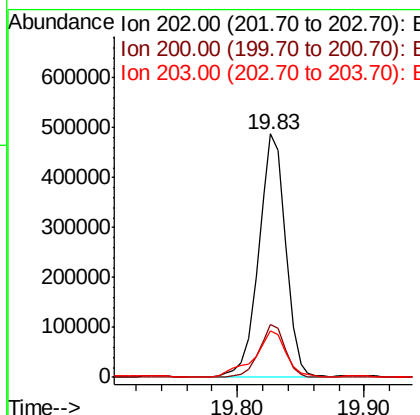
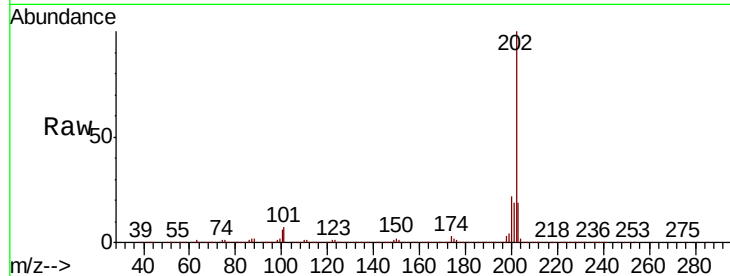
#78
Pvrene
Concen: 51.758 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Instrument :
BNA_G
ClientSampleId :
SB-31-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.8	26.6
203	19.2	15.5	23.3

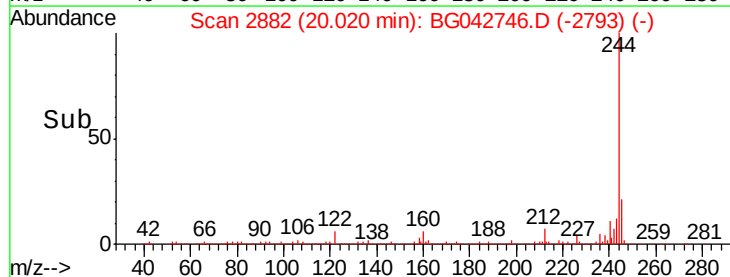
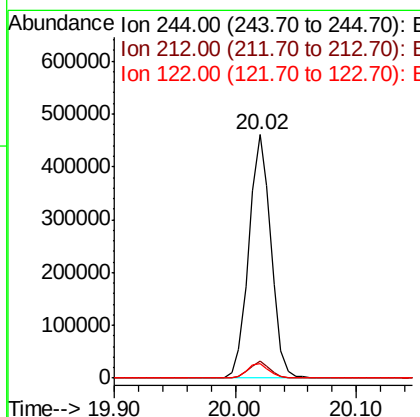
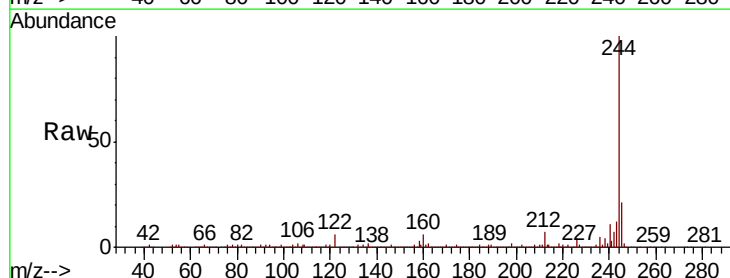
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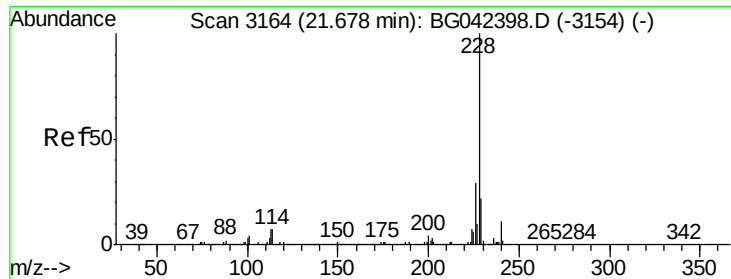
mohammad
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#79
Terphenyl-d14
Concen: 56.035 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	6.0	9.0
122	5.9	6.7	10.1#





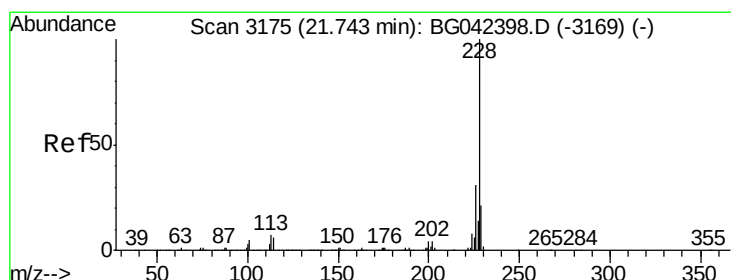
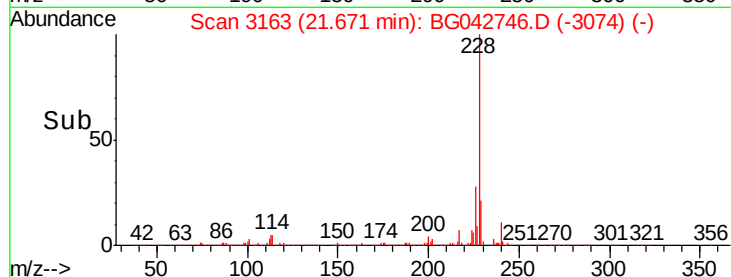
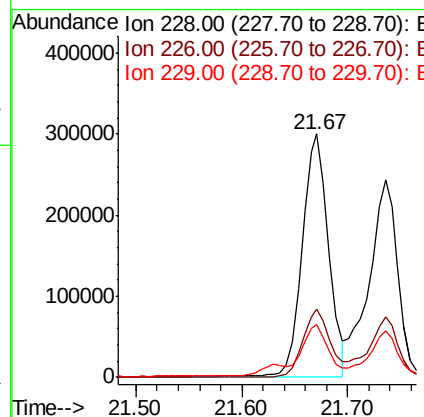
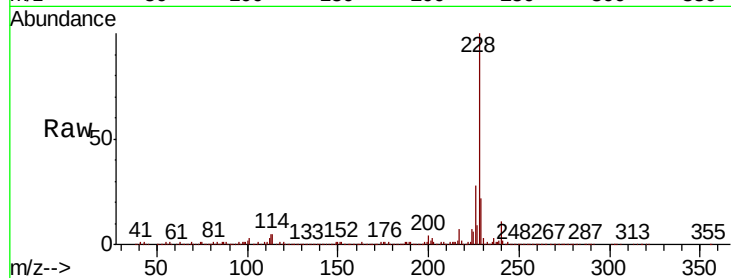
#81
Benzo(a)anthracene
Concen: 37.807 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Instrument :
BNA_G
ClientSampleId :
SB-31-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.4	35.2
229	21.6	17.4	26.2

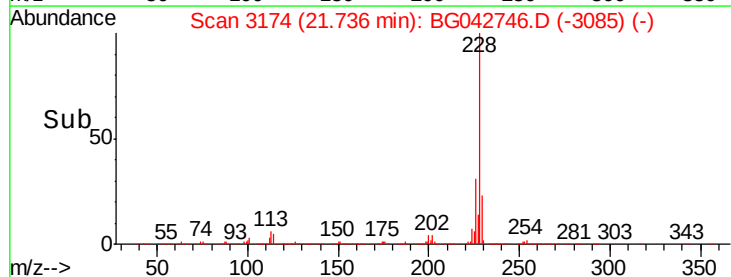
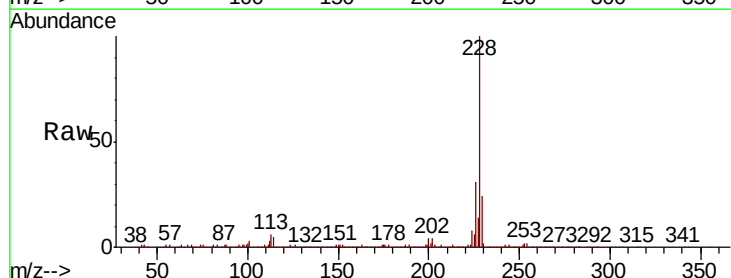
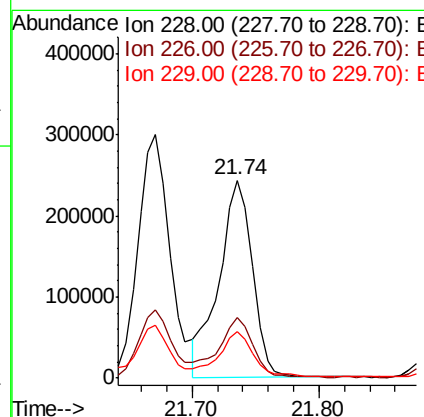
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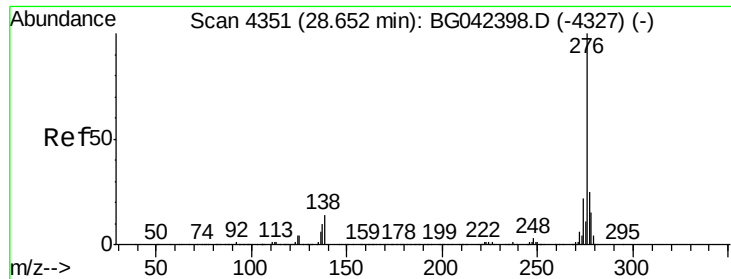
mohammad
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#83
Chrysene
Concen: 33.520 ng
RT: 21.74 min Scan# 3174
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	23.5	16.9	25.3





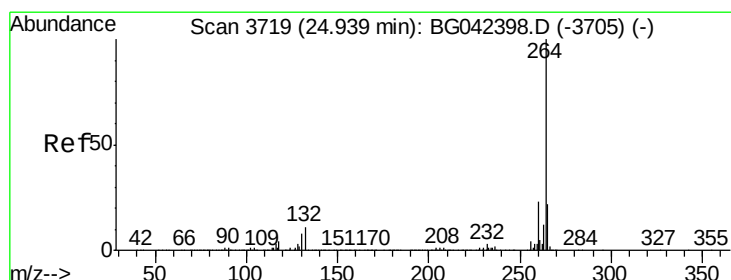
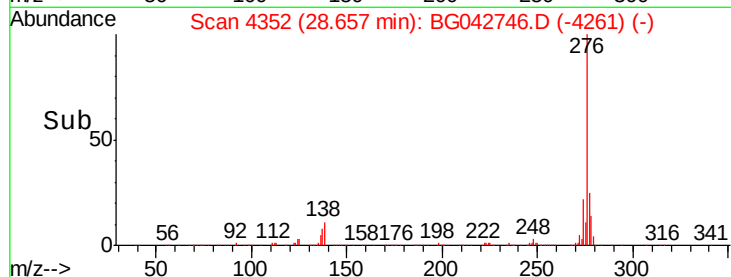
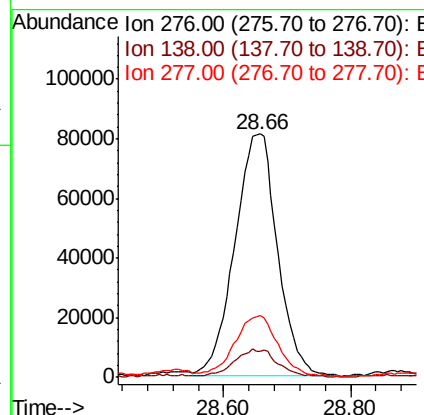
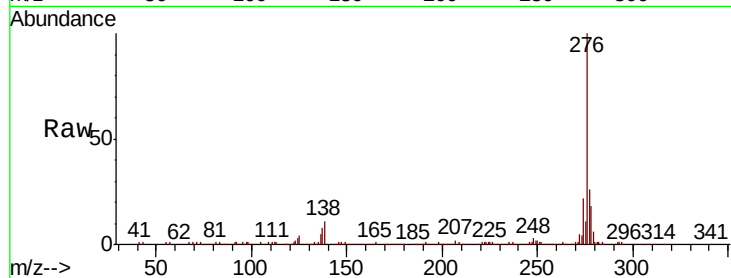
#86
Indeno(1,2,3-cd)pyrene
Concen: 20.853 ng
RT: 28.66 min Scan# 4352
Delta R.T. 0.00 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Instrument :
BNA_G
ClientSampleId :
SB-31-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.7	9.2	13.8#
277	25.5	21.0	31.6

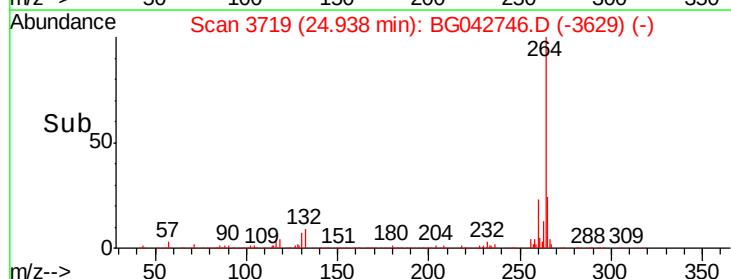
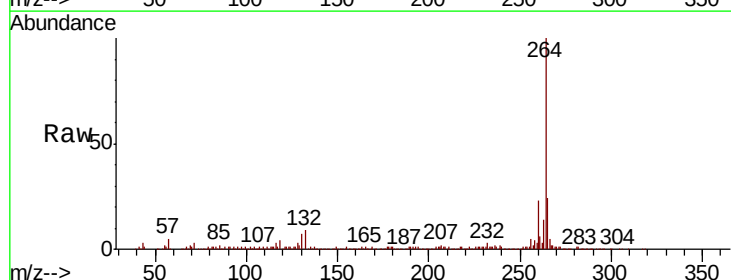
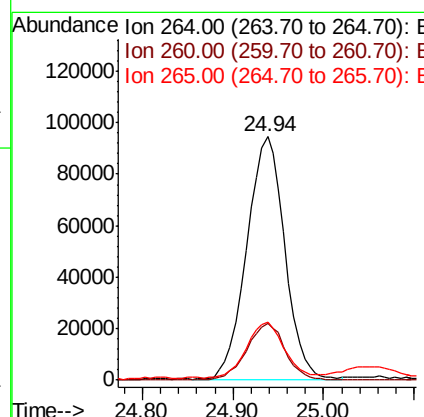
Manual Integrations
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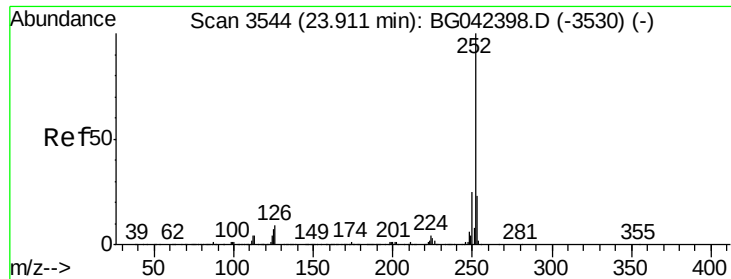
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.94 min Scan# 3719
Delta R.T. -0.00 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	23.9	17.6	26.4





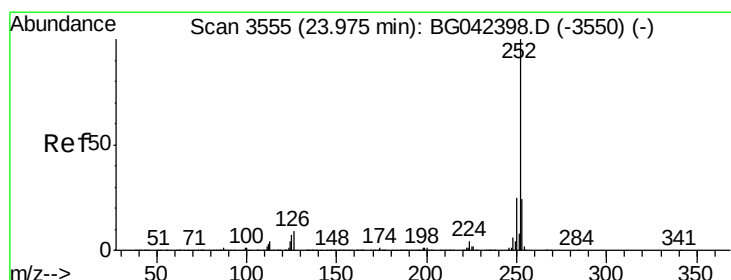
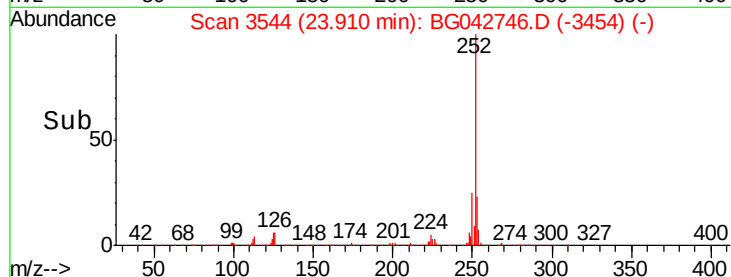
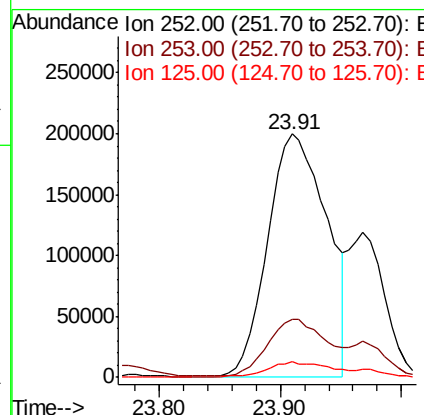
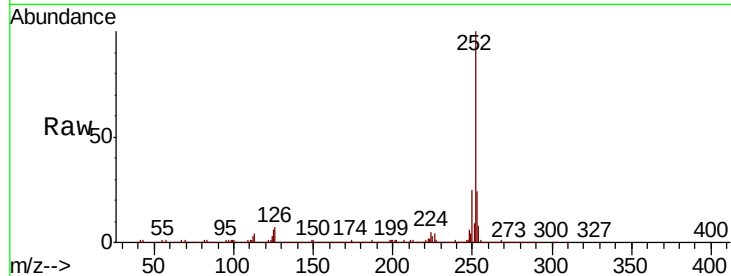
#88
Benzo(b)fluoranthene
Concen: 44.555 ng
RT: 23.91 min Scan# 3544
Delta R.T. -0.00 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Instrument :
BNA_G
ClientSampleId :
SB-31-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.6	27.8
125	6.3	5.6	8.4

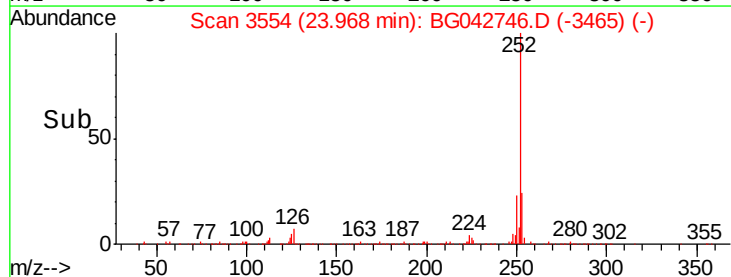
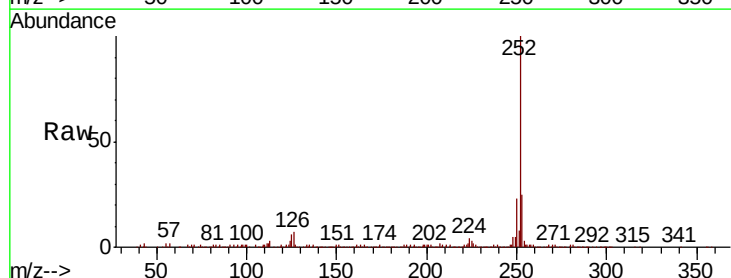
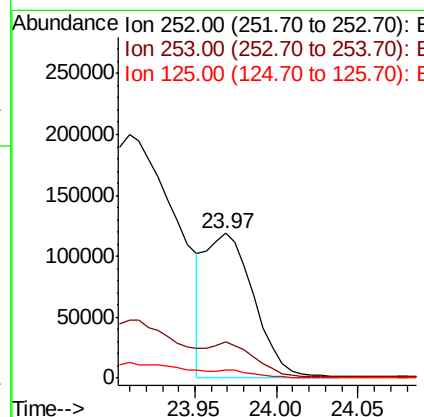
Manual Integrations
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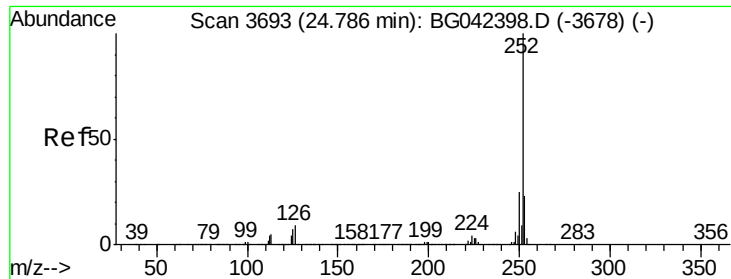
mohammad
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#89
Benzo(k)fluoranthene
Concen: 16.828 ng m
RT: 23.97 min Scan# 3554
Delta R.T. -0.01 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.6	27.8
125	5.7	5.8	8.6#





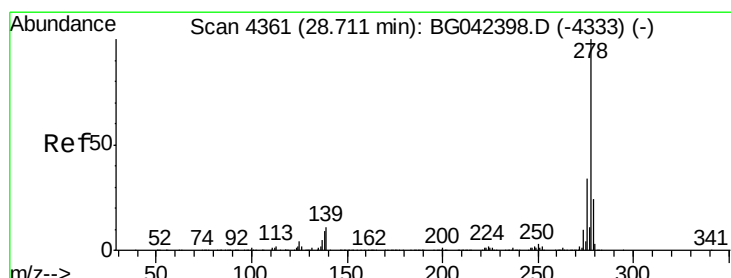
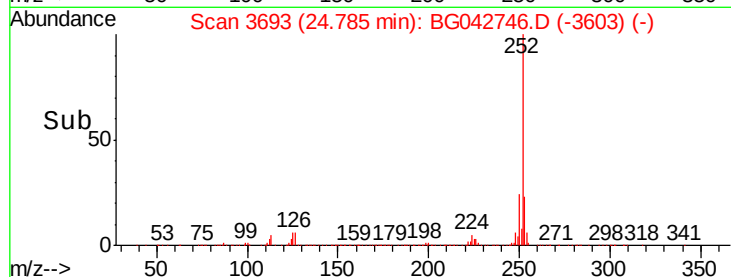
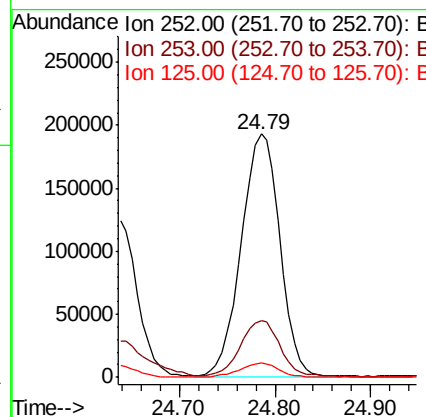
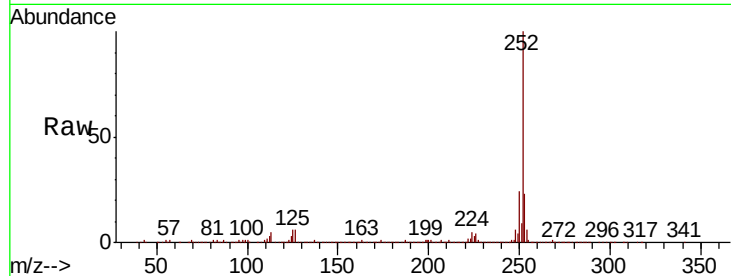
#90
Benzo(a)pyrene
Concen: 37.901 ng m
RT: 24.79 min Scan# 3693
Delta R.T. -0.00 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Instrument :
BNA_G
ClientSampled :
SB-31-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	6.0	6.0	9.0#

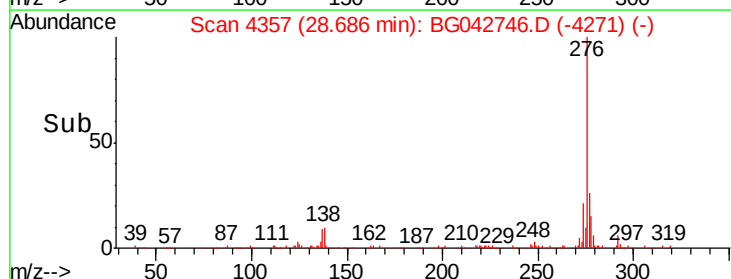
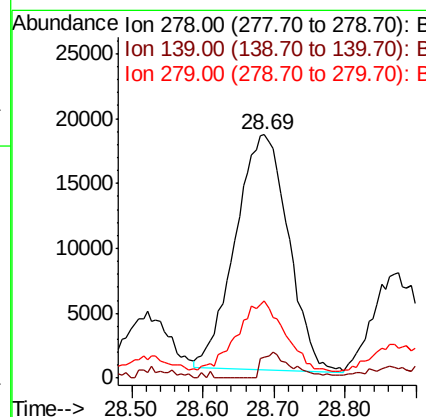
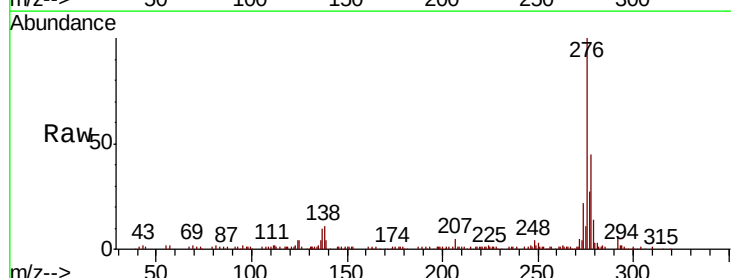
Manual Integrations
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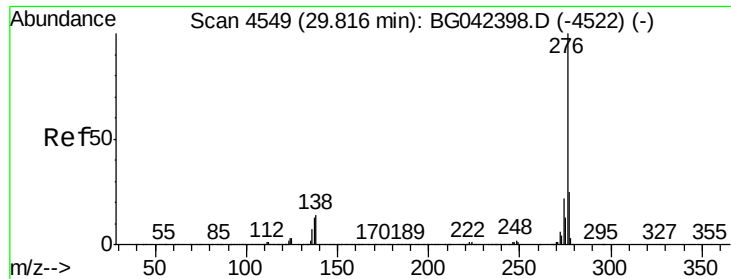
mohammad
9/10/2019 9:51:55 AM



#91
Dibenzo(a,h)anthracene
Concen: 6.441 ng m
RT: 28.69 min Scan# 4357
Delta R.T. -0.02 min
Lab File: BG042746.D
Acq: 6 Sep 2019 8:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	8.8	8.8	13.2#
279	31.5	19.1	28.7#





#92
 Benzo(a,h,i)perylene
 Concen: 25.026 ng
 RT: 29.81 min Scan# 4548
 Delta R.T. -0.01 min
 Lab File: BG042746.D
 Acq: 6 Sep 2019 8:46

Instrument :
 BNA_G
 ClientSampleId :
 SB-31-COMP

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.5	19.8	29.8
138	11.2	11.4	17.0

Manual Integrations
 APPROVED

mohammad
 9/10/2019 9:51:55 AM

