

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042516.D
 Acq On : 27 Aug 2019 22:43
 Operator : HP/JU
 Sample : K4549-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S700A-N-0.0-0.5-082619

Manual Integrations
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mohammad
 8/29/2019 7:58:22 AM

Quant Time: Aug 28 04:33:42 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	32710	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	130994	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	99348	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	249641	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	302256	20.00	ng	-0.01
87) Perylene-d12	24.93	264	363157	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	112082	69.40	ng	-0.01
7) Phenol-d6	7.16	99	157068	72.00	ng	-0.01
23) Nitrobenzene-d5	9.16	82	87092	45.94	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	101903	72.17	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	261079	44.45	ng	0.00
79) Terphenyl-d14	20.02	244	540283	38.64	ng	0.00
Target Compounds						
9) Benzaldehyde	7.13	77	4214	3.858	ng	Qvalue # 88
50) Dimethylphthalate	14.10	163	239749	33.446	ng	99
71) Phenanthrene	17.45	178	239507	19.315	ng	97
72) Anthracene	17.54	178	48363	3.907	ng	97
73) Carbazole	17.82	167	35079	3.180	ng	96
74) Di-n-butylphthalate	18.37	149	27305	2.094	ng	# 97
75) Fluoranthene	19.46	202	532372	35.179	ng	97
78) Pyrene	19.83	202	446685	24.105	ng	98
81) Benzo(a)anthracene	21.67	228	250669	13.633	ng	97
83) Chrysene	21.73	228	255264	14.395	ng	98
86) Indeno(1,2,3-cd)pyrene	28.61	276	170930	7.093	ng	99
88) Benzo(b)fluoranthene	23.90	252	351440	17.603	ng	100
89) Benzo(k)fluoranthene	23.96	252	117138m	6.104	ng	
90) Benzo(a)pyrene	24.76	252	235780	12.445	ng	99
91) Dibenzo(a,h)anthracene	28.66	278	42918m	2.237	ng	
92) Benzo(g,h,i)perylene	29.77	276	170473	8.886	ng	99

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

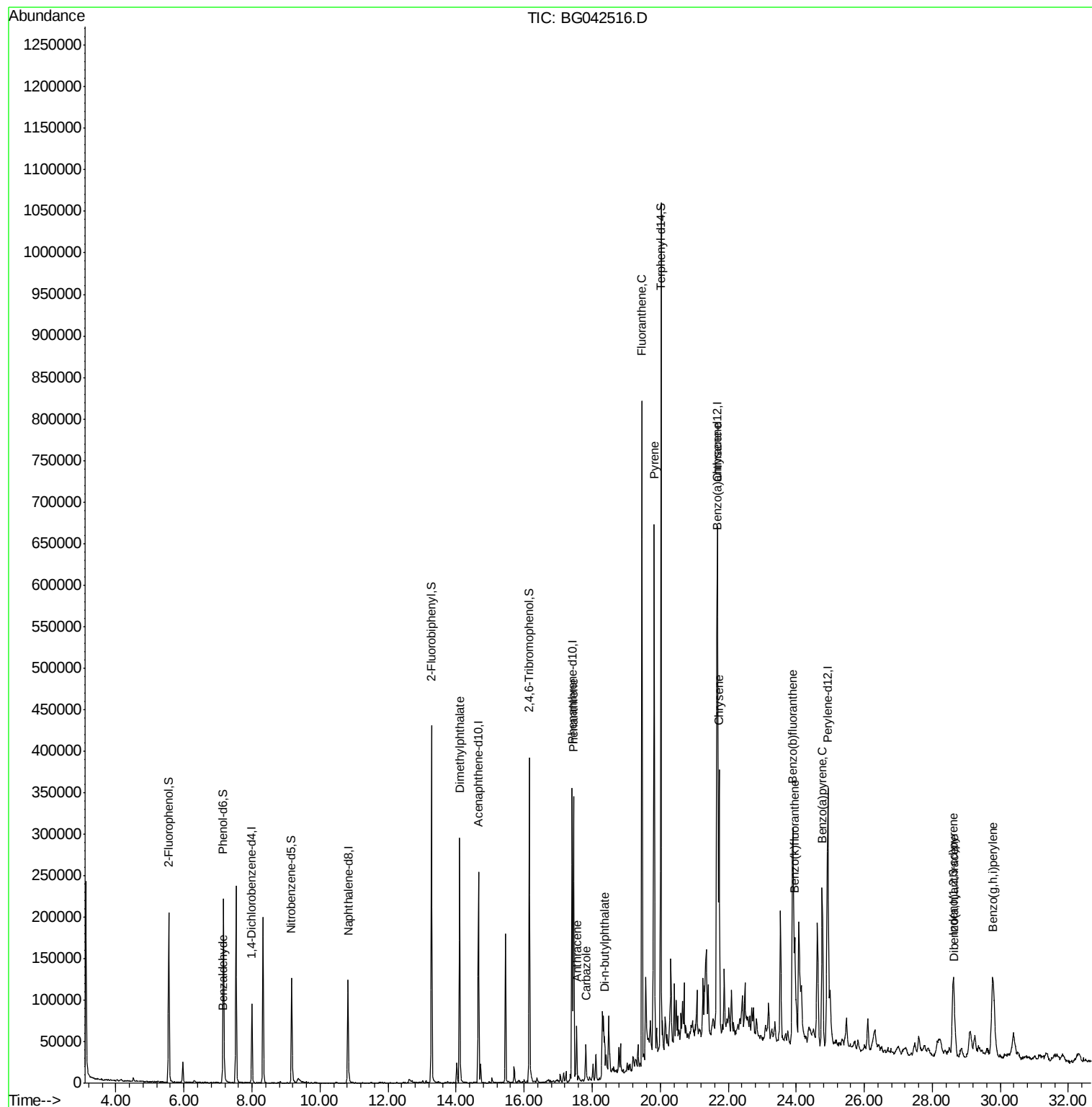
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042516.D
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ALS Vial : 12 Sample Multiplier: 1

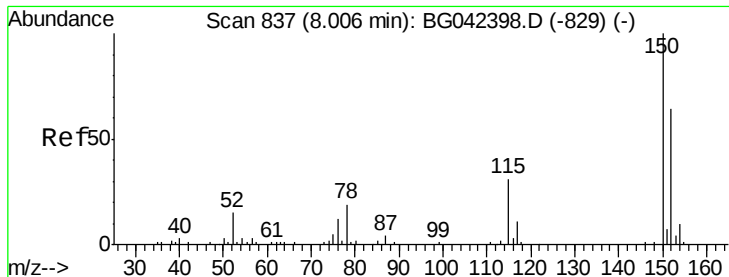
Instrument :
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ClientSampleId :
S700A-N-0.0-0.5-082619

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

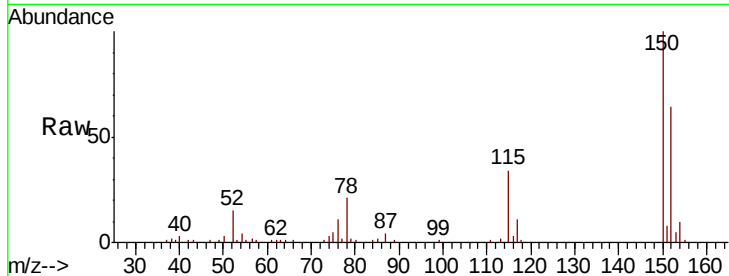
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.99 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BG042516.D
 Acq: 27 Aug 2019 22:43

Instrument :
 BNA_G
 ClientSampleId :
 S700A-N-0.0-0.5-082619

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.4	188.0
115	53.9	38.5	57.7

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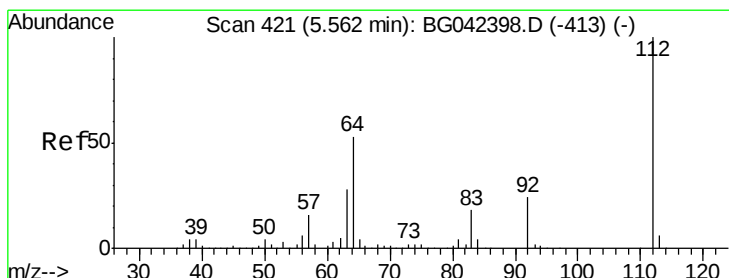
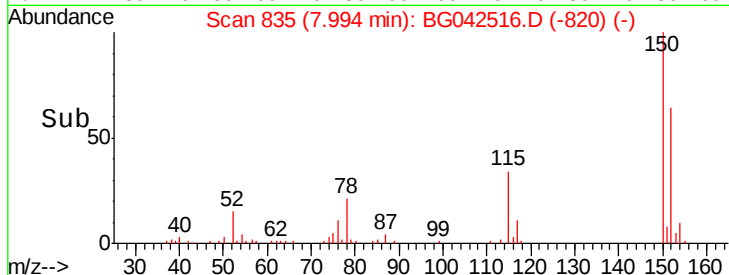
Abundance

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

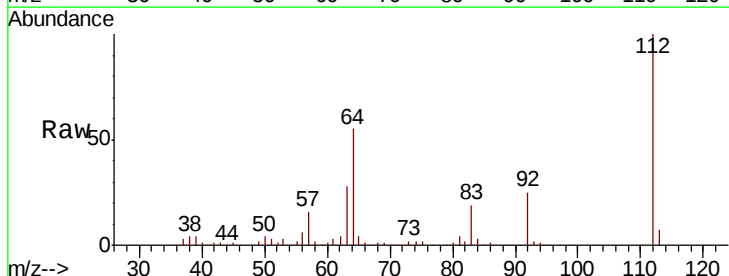
Time-->



#5

2-Fluorophenol
 Concen: 69.397 ng
 RT: 5.55 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: BG042516.D
 Acq: 27 Aug 2019 22:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	42.8	64.2
63	28.2	22.7	34.1



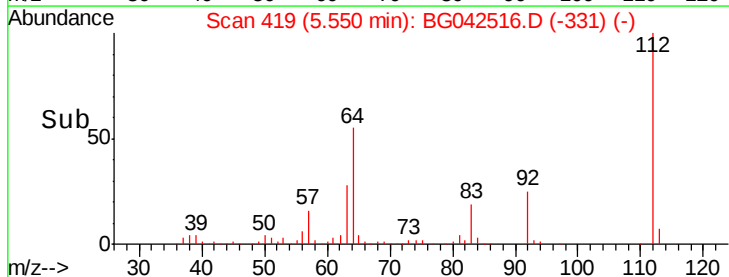
Abundance

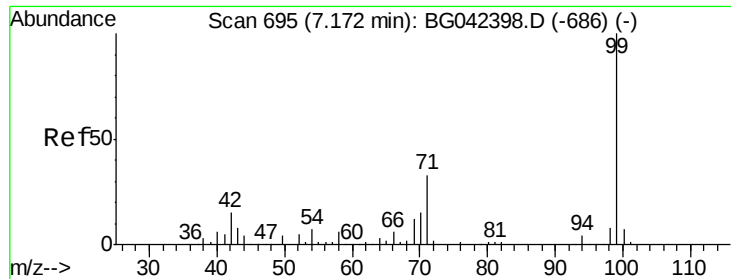
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG

Time-->





#7

Phenol-d6

Concen: 71.997 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042516.D

Acq: 27 Aug 2019 22:43

Instrument :

BNA_G

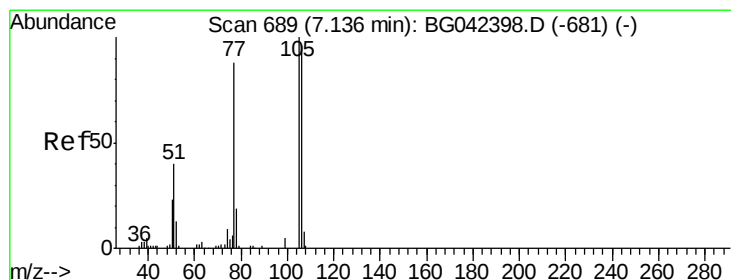
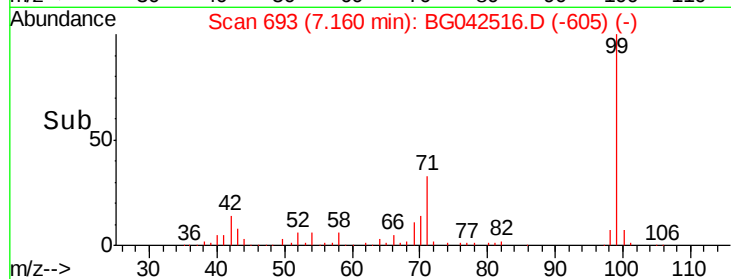
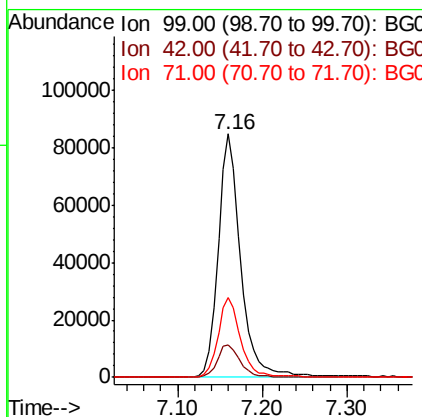
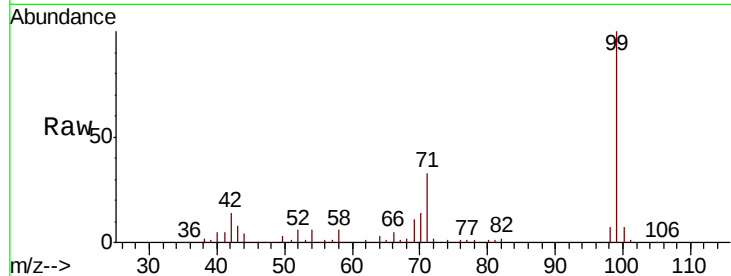
ClientSampleId :

S700A-N-0.0-0.5-082619

Tot Ion:	99	Resp:	157068
Ion Ratio	Lower	Upper	
99	100		
42	13.5	12.0	18.0
71	32.6	26.3	39.5

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#9

Benzaldehyde

Concen: 3.858 ng

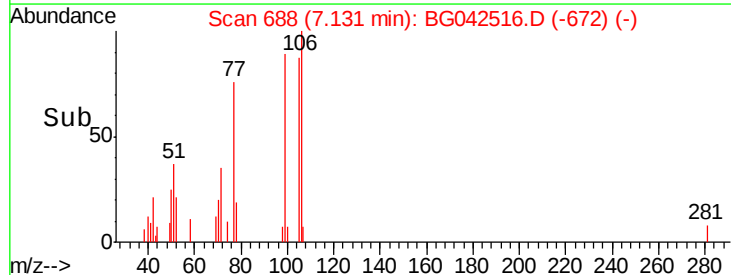
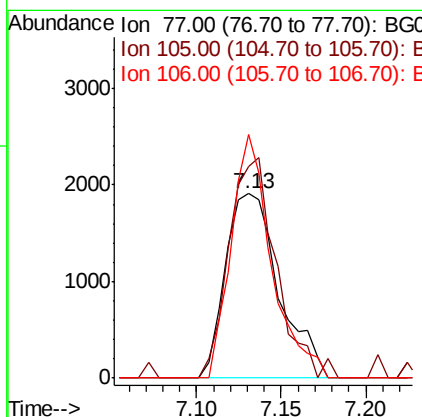
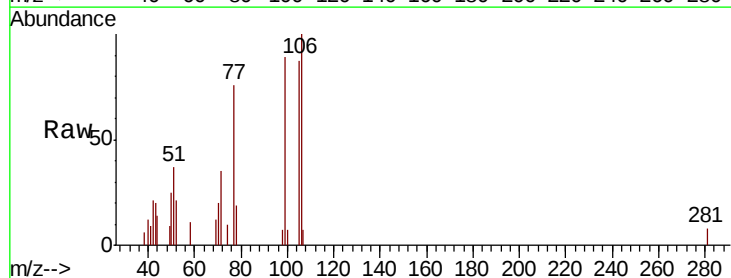
RT: 7.13 min Scan# 688

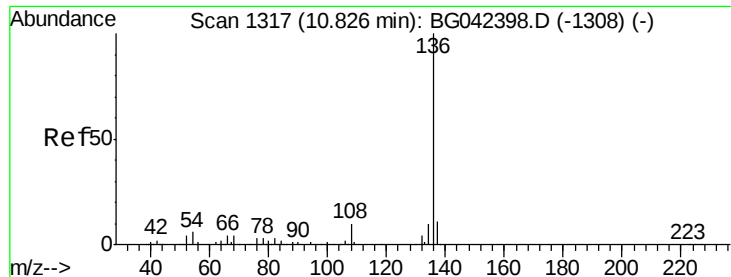
Delta R.T. -0.01 min

Lab File: BG042516.D

Acq: 27 Aug 2019 22:43

Tgt Ion:	77	Resp:	4214
Ion Ratio	Lower	Upper	
77	100		
105	115.1	93.4	133.4
106	132.2	88.4	128.4#





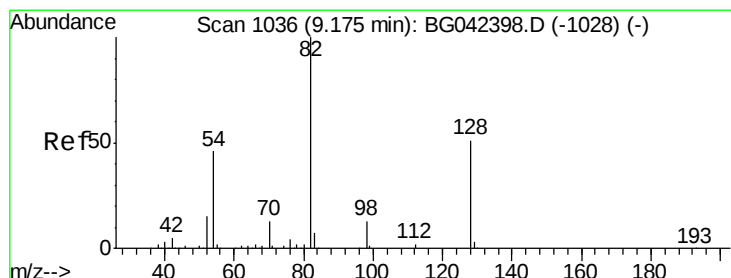
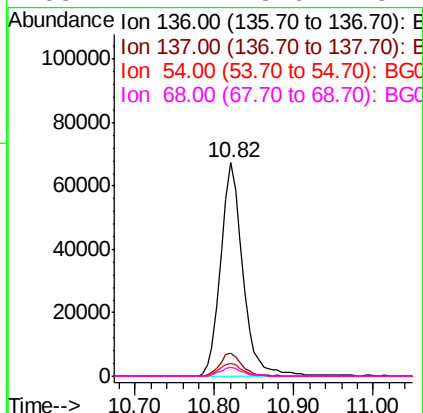
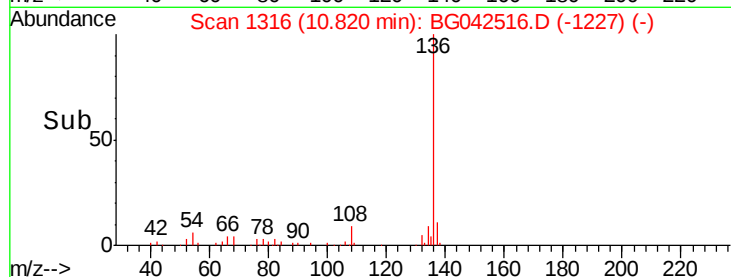
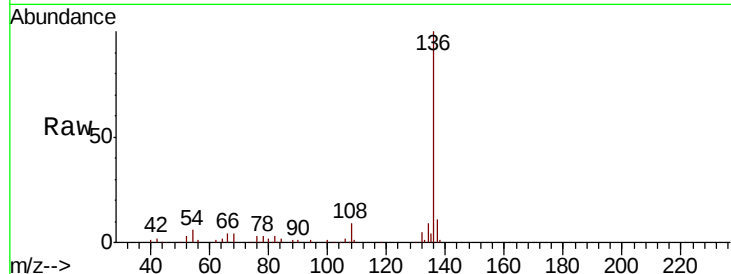
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :
S700A-N-0.0-0.5-082619

Tot Ion	Ratio	Resp	Lower	Upper
136	100	130994		
137	10.6		8.7	13.1
54	6.0		4.9	7.3
68	4.4		3.6	5.4

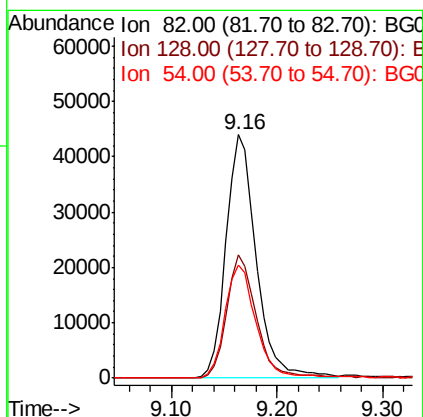
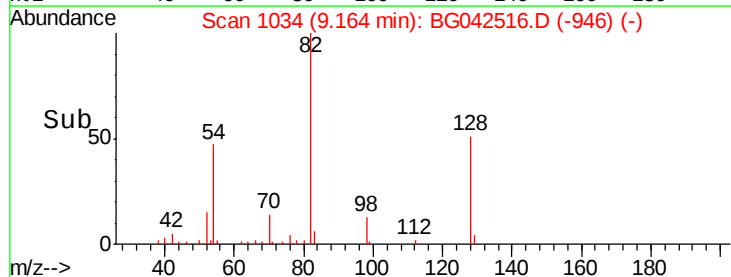
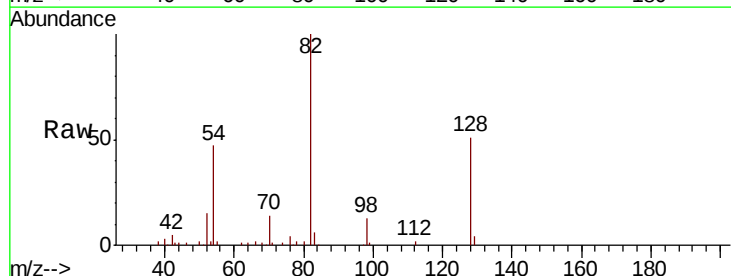
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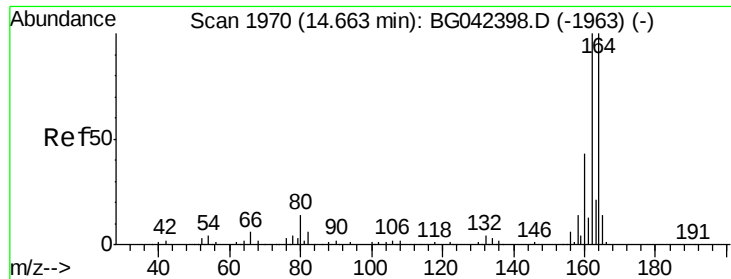
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#23
Nitrobenzene-d5
Concen: 45.944 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	87092		
128	50.8		40.7	61.1
54	46.6		36.3	54.5





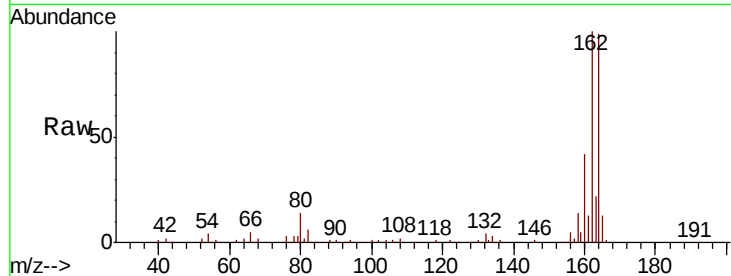
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :
S700A-N-0.0-0.5-082619

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.9	119.9
160	42.2	34.3	51.5

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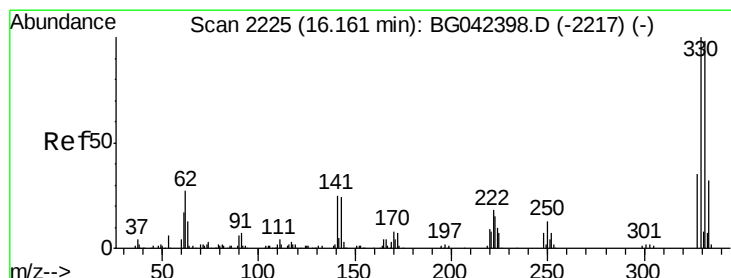
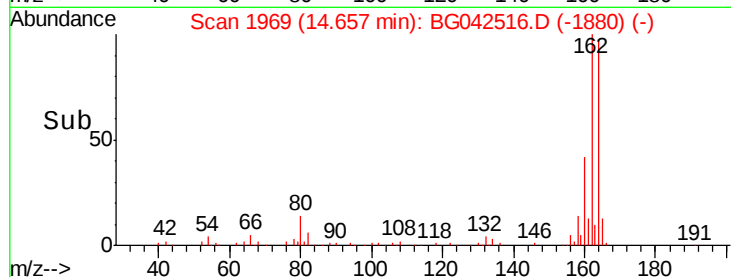
Abundance

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

Time-->



#42
2,4,6-Tribromophenol
Concen: 72.166 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.0
141	27.7	21.4	32.0

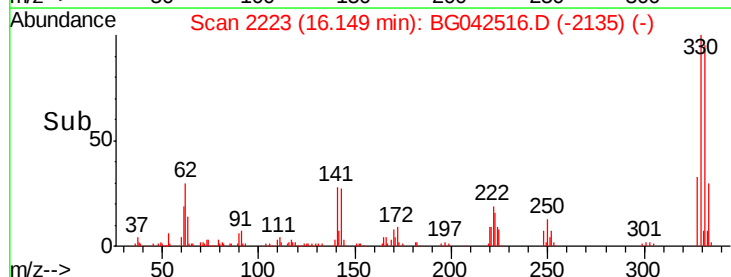
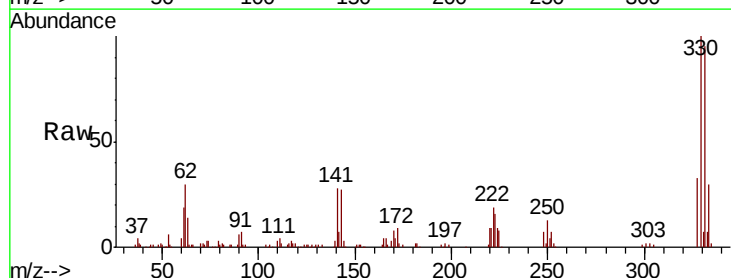
Abundance

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

Time-->





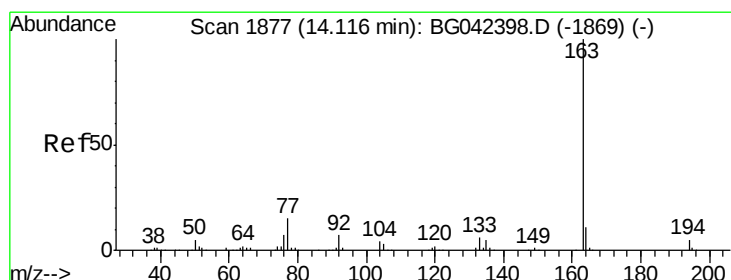
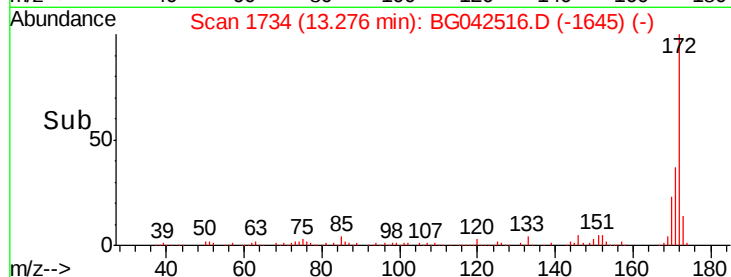
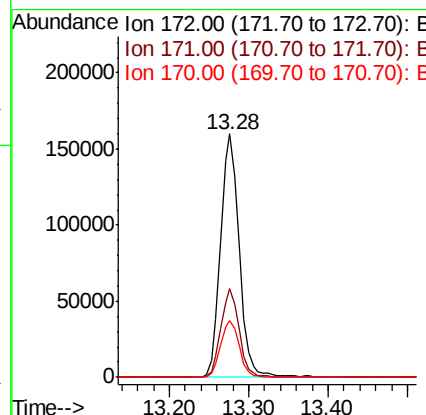
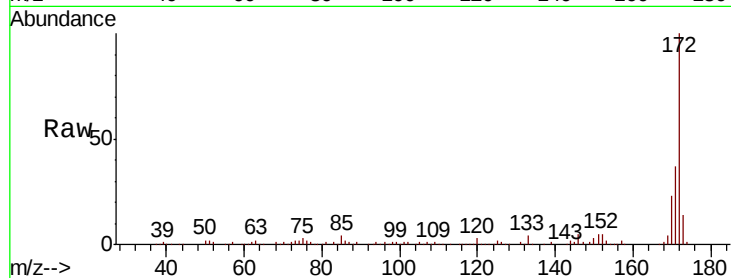
#45
2-Fluorobiphenyl
Concen: 44.446 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :
S700A-N-0.0-0.5-082619

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	23.1	20.2	30.2

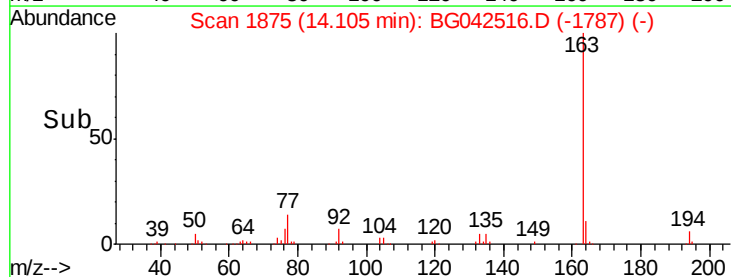
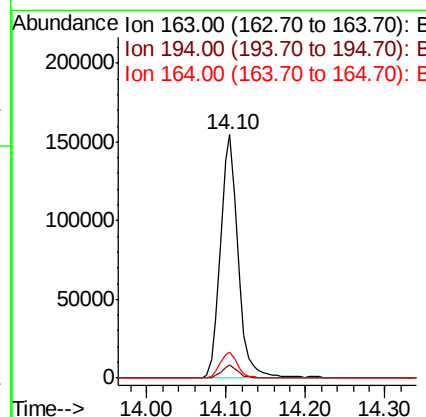
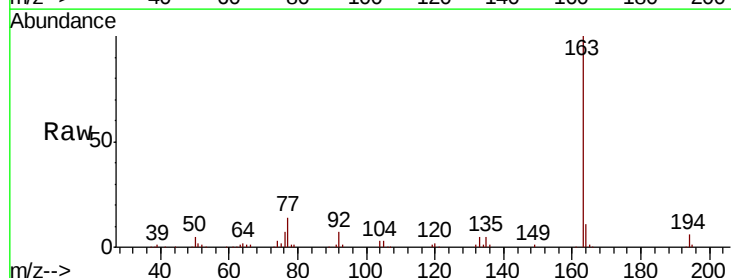
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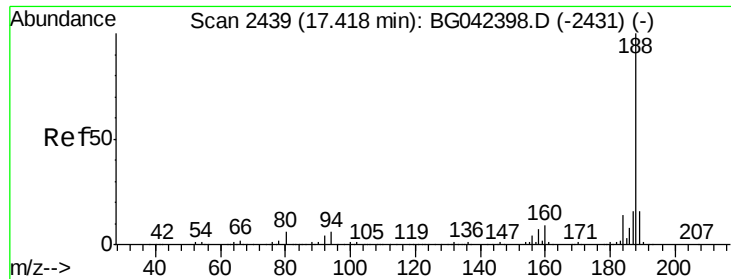
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#50
Dimethylphthalate
Concen: 33.446 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.5	4.2	6.2
164	10.6	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: BG042516.D

Acq: 27 Aug 2019 22:43

Instrument :

BNA_G

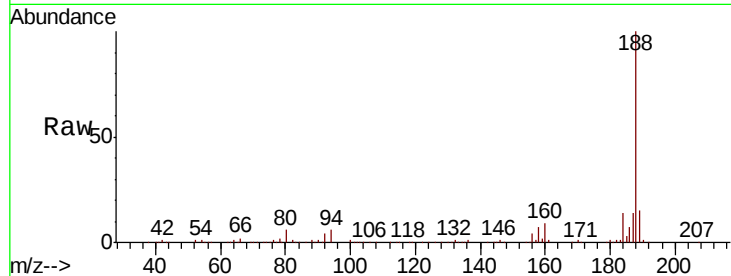
ClientSampleId :

S700A-N-0.0-0.5-082619

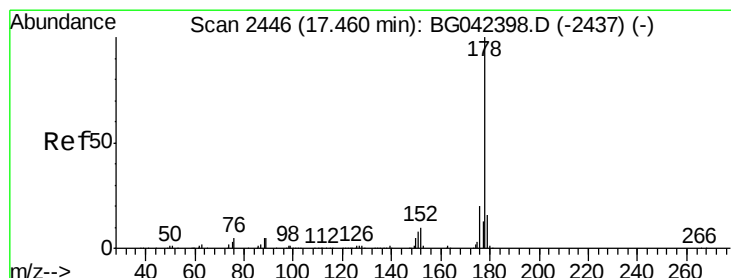
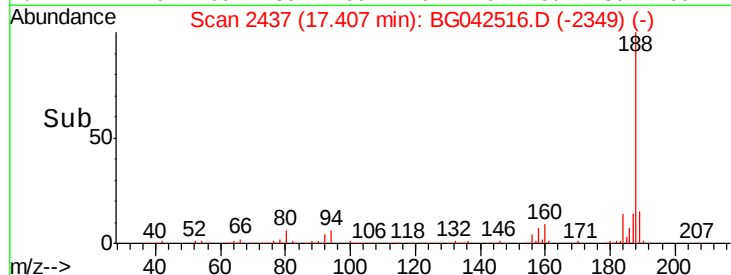
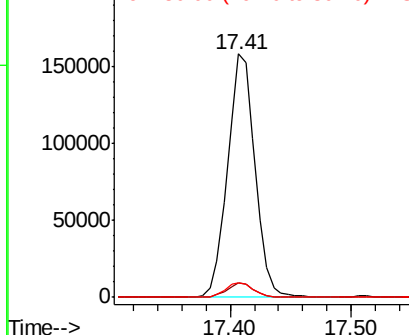
Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		249641		
94	6.2	4.5	6.7		
80	5.9	4.9	7.3		

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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



#71

Phenanthrene

Concen: 19.315 ng

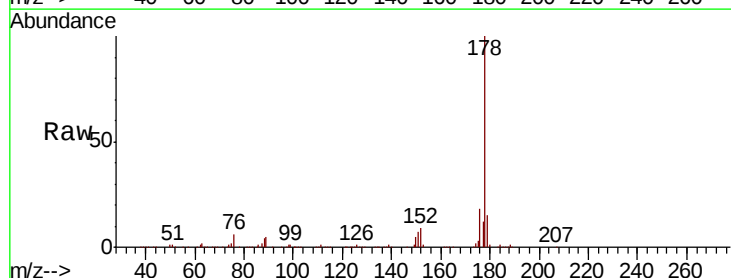
RT: 17.45 min Scan# 2445

Delta R.T. -0.01 min

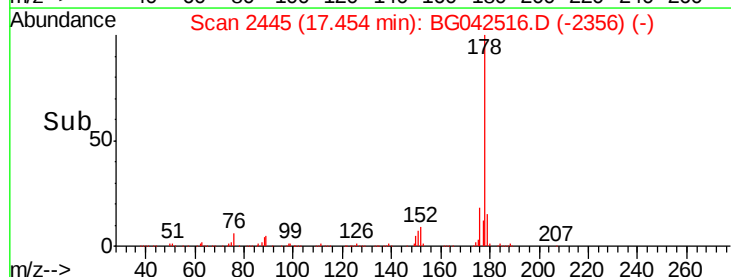
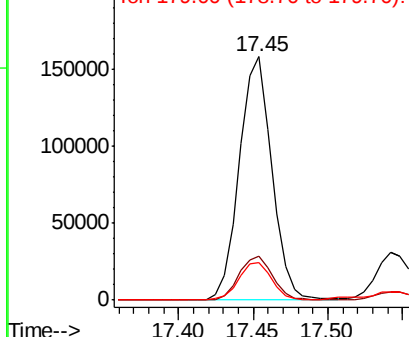
Lab File: BG042516.D

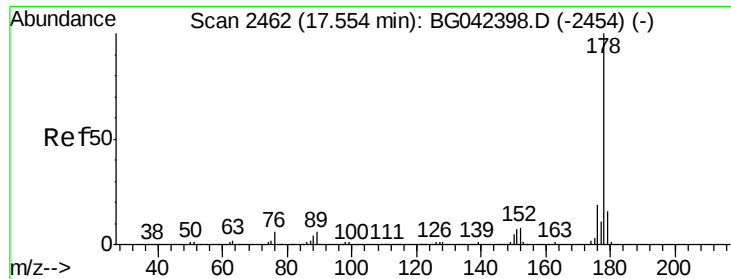
Acq: 27 Aug 2019 22:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		239507		
176	18.1	15.9	23.9		
179	15.3	12.7	19.1		



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





#72

Anthracene

Concen: 3.907 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG042516.D

Acq: 27 Aug 2019 22:43

Instrument :

BNA_G

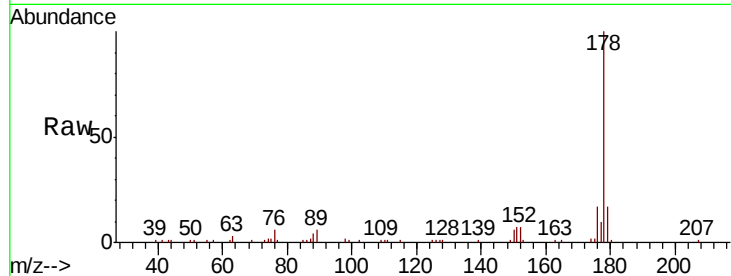
ClientSampleId :

S700A-N-0.0-0.5-082619

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.5	23.3
179	16.5	12.9	19.3

Manual Integrations
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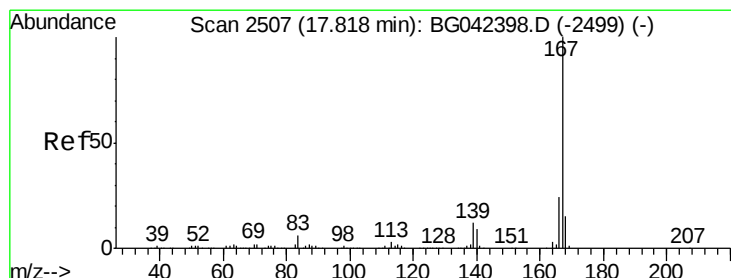
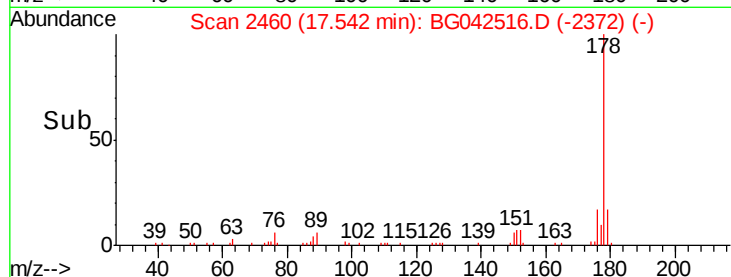
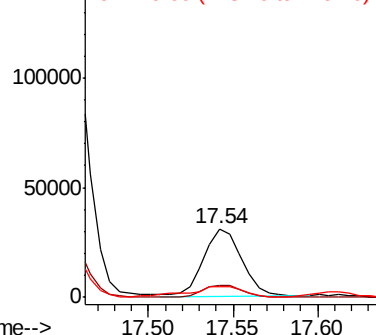


Abundance

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



#73

Carbazole

Concen: 3.180 ng

RT: 17.82 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG042516.D

Acq: 27 Aug 2019 22:43

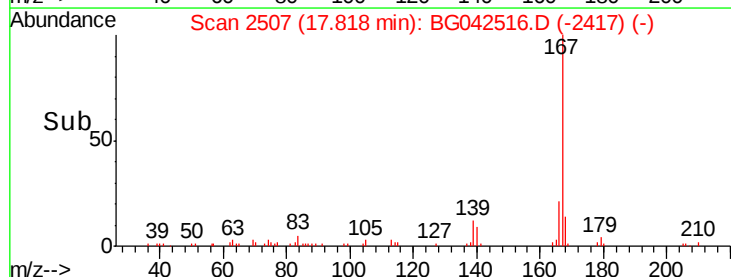
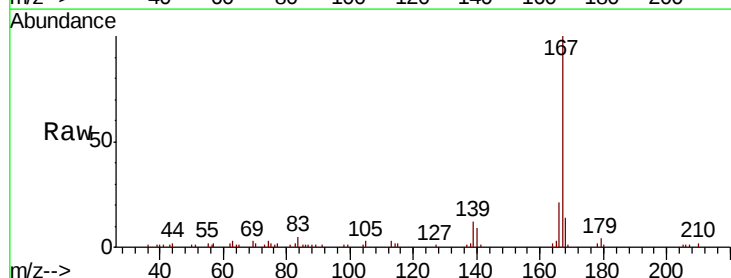
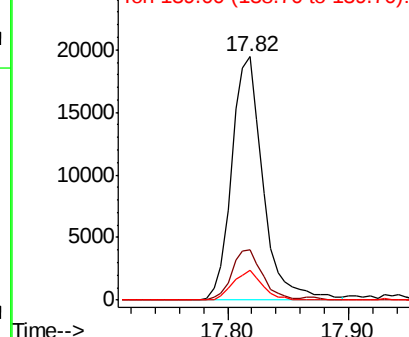
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	18.9	28.3
139	12.1	9.8	14.6

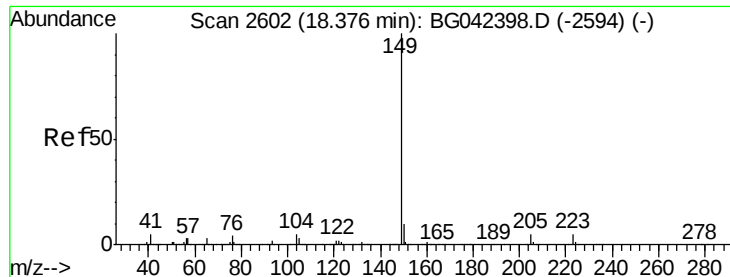
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





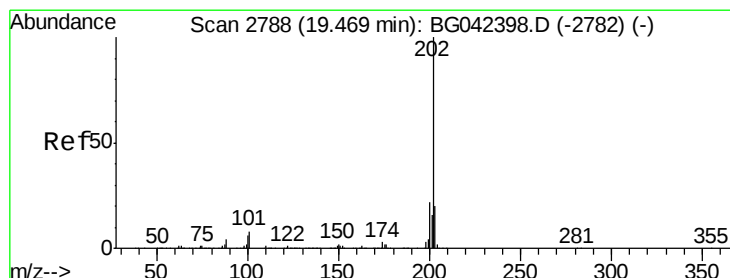
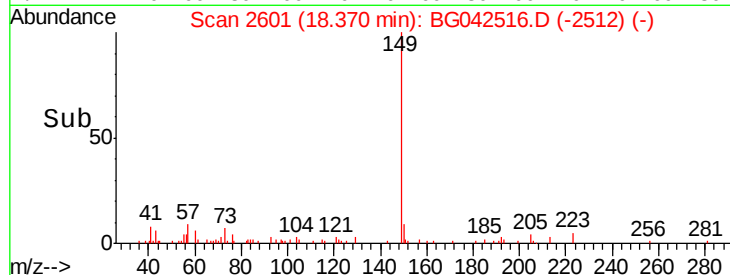
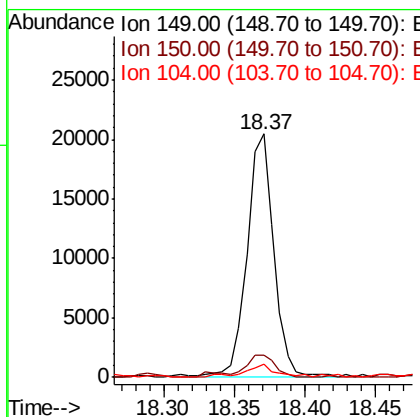
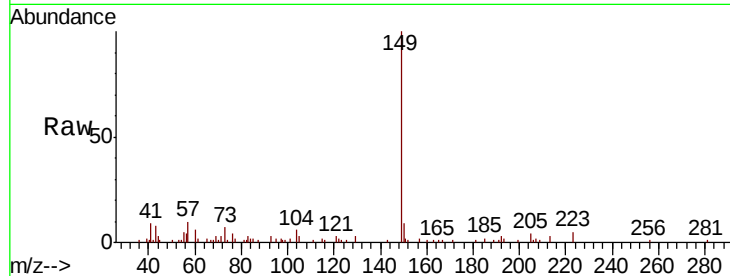
#74
Di-n-butylphthalate
Concen: 2.094 ng
RT: 18.37 min Scan# 2601
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :
S700A-N-0.0-0.5-082619

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	8.9	8.1	12.1
104	5.5	3.7	5.5#

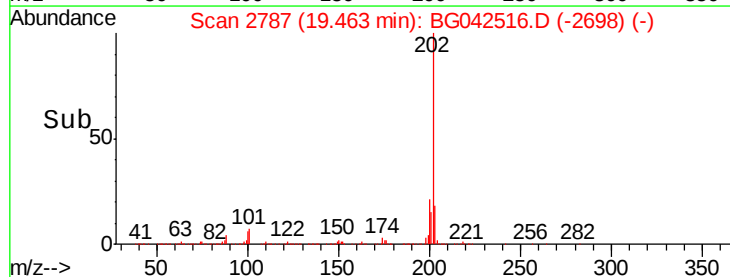
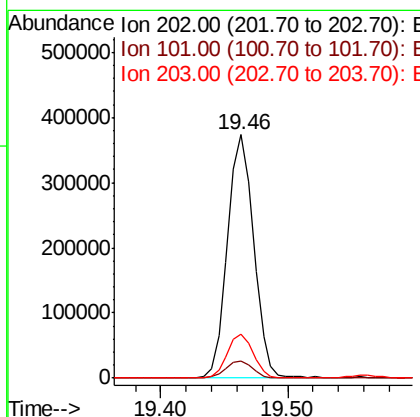
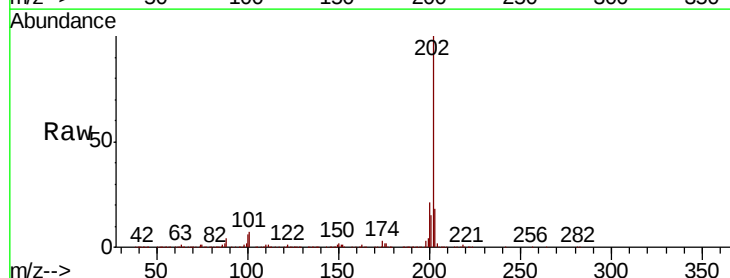
Manual Integrations
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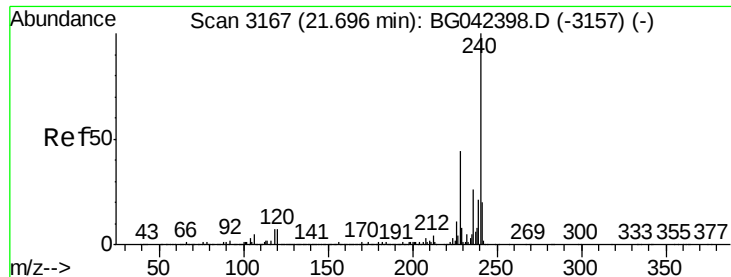
mohammad
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#75
Fluoranthene
Concen: 35.179 ng
RT: 19.46 min Scan# 2787
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	7.1	0.0	28.3
203	18.2	0.0	39.6





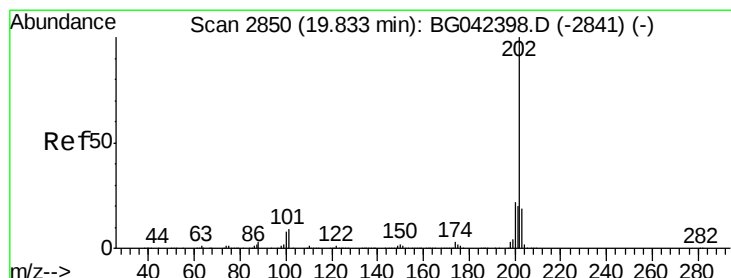
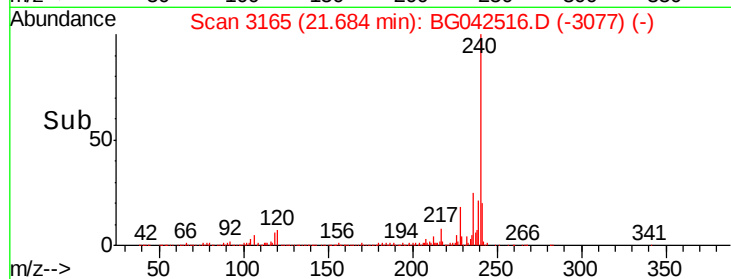
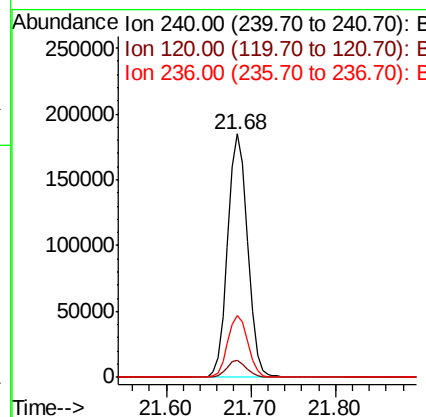
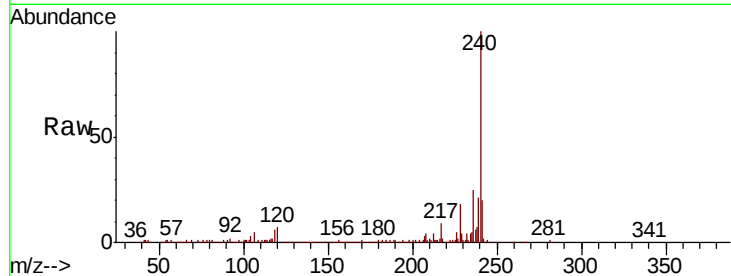
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :
S700A-N-0.0-0.5-082619

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.0	5.7	8.5
236	25.2	21.0	31.4

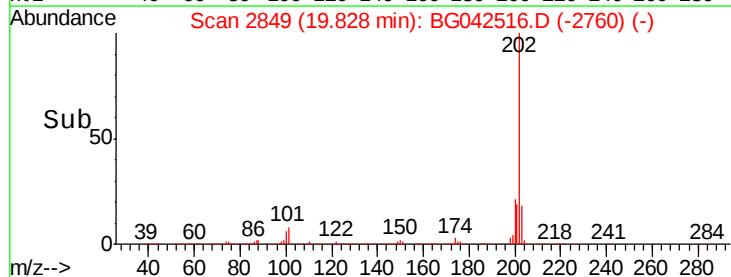
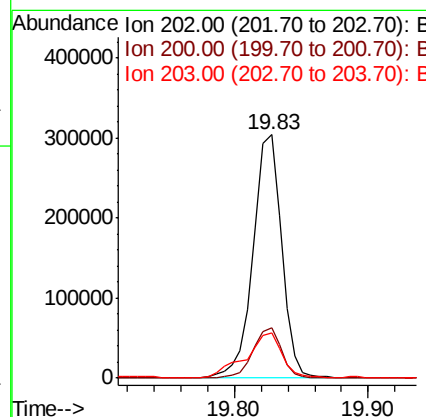
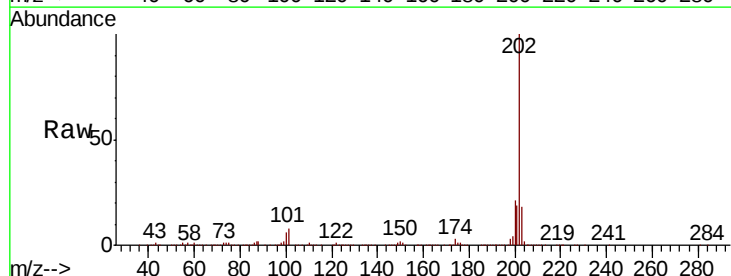
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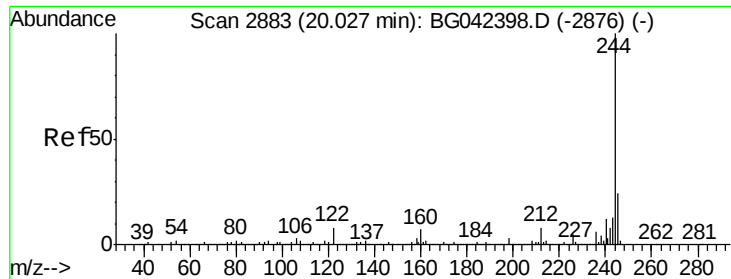
mohammad
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#78
Pyrene
Concen: 24.105 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.8	26.6
203	18.4	15.5	23.3





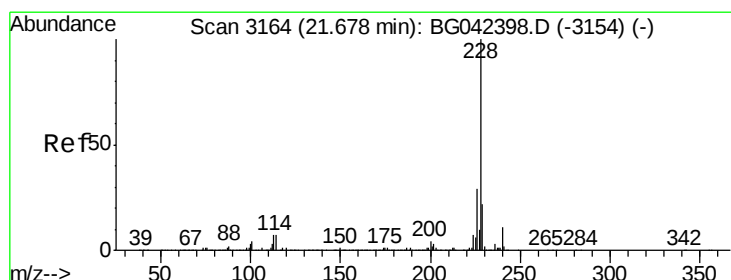
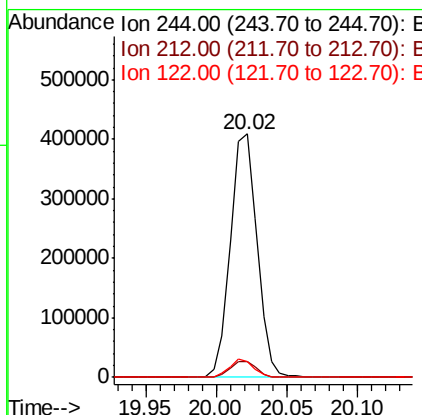
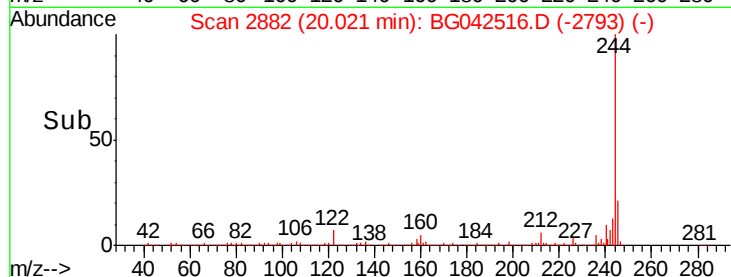
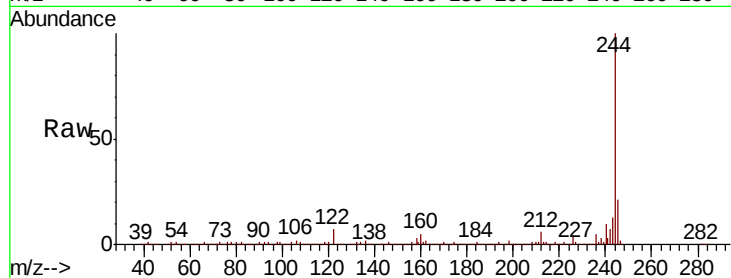
#79
 Terphenyl-d14
 Concen: 38.644 ng
 RT: 20.02 min Scan# 2882
 Delta R.T. -0.01 min
 Lab File: BG042516.D
 Acq: 27 Aug 2019 22:43

Instrument :
 BNA_G
 ClientSampleId :
 S700A-N-0.0-0.5-082619

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

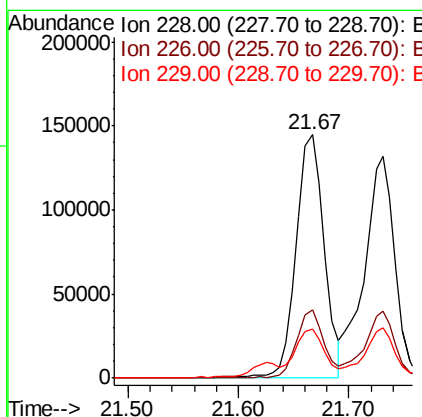
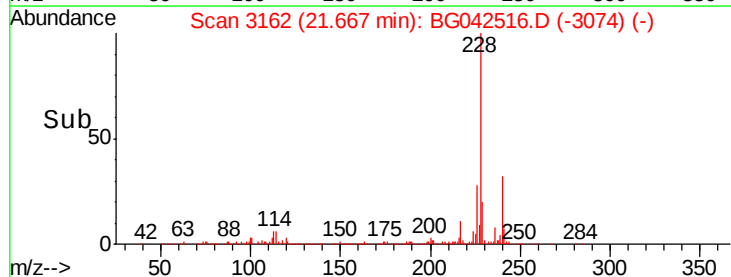
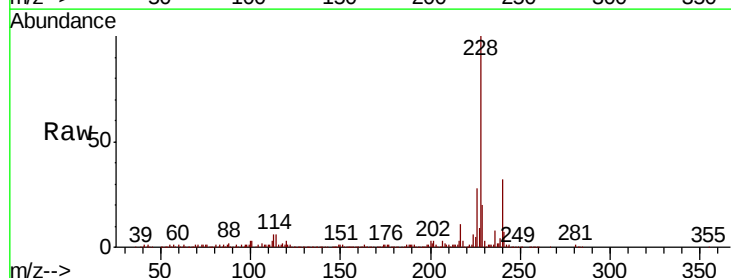
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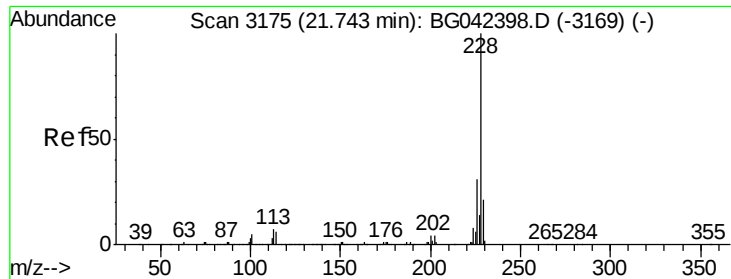
mohammad
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#81
 Benzo(a)anthracene
 Concen: 13.633 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BG042516.D
 Acq: 27 Aug 2019 22:43

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.2	23.4	35.2
229	20.4	17.4	26.2





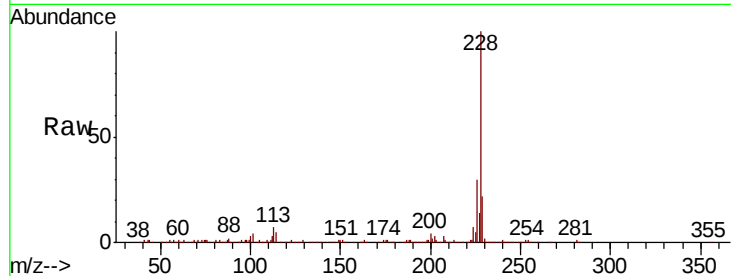
#83
Chrysene
Concen: 14.395 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :
S700A-N-0.0-0.5-082619

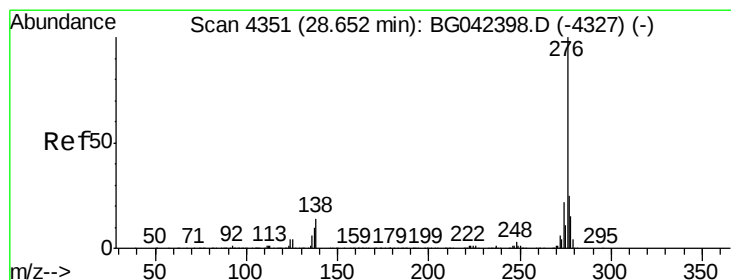
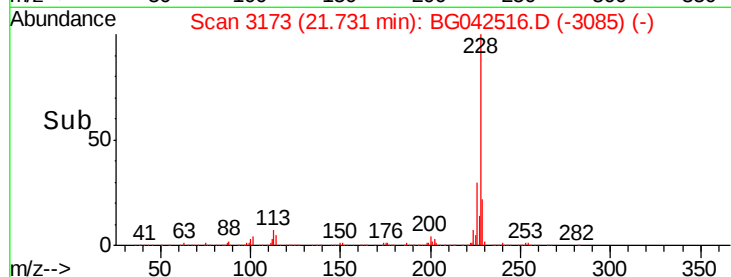
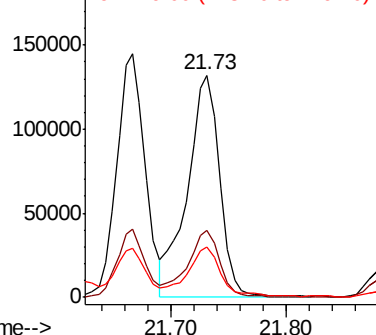
Tot Ion:	228	Resp:	255264
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.9	37.3
229	22.4	16.9	25.3

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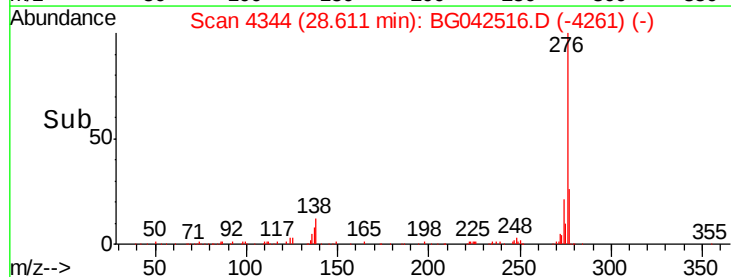
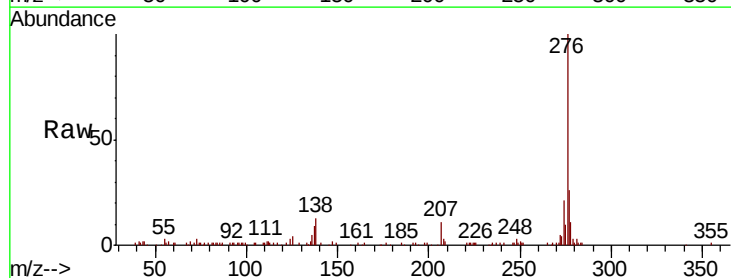
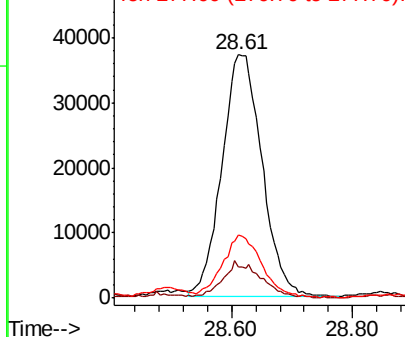
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

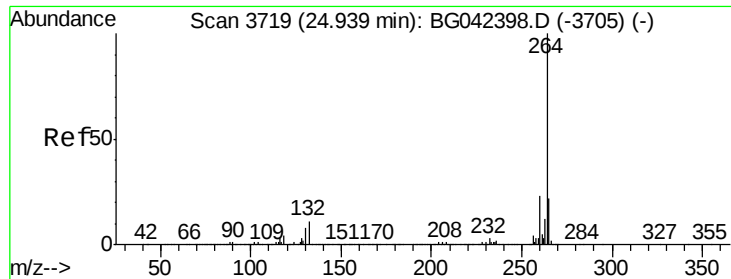


#86
Indeno(1,2,3-cd)pyrene
Concen: 7.093 ng
RT: 28.61 min Scan# 4344
Delta R.T. -0.04 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:	276	Resp:	170930
Ion Ratio	Lower	Upper	
276	100		
138	12.9	9.2	13.8
277	26.0	21.0	31.6

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





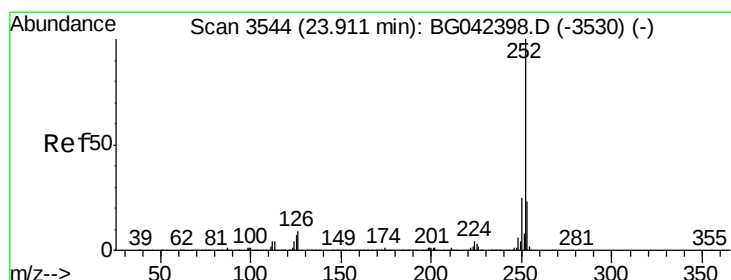
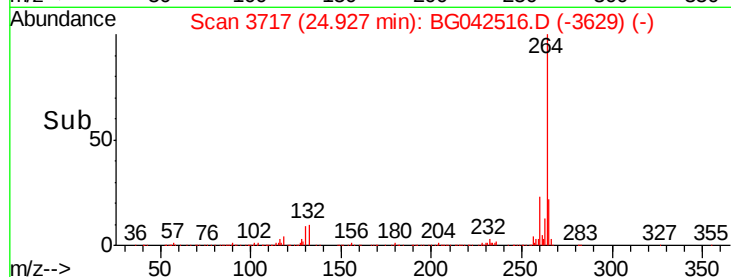
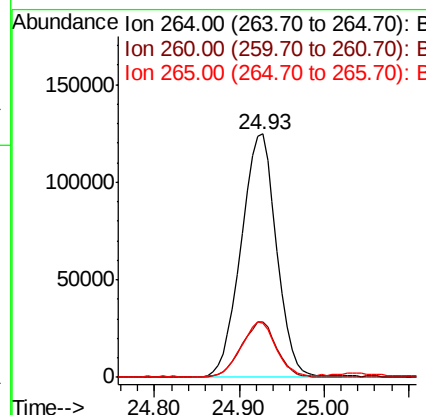
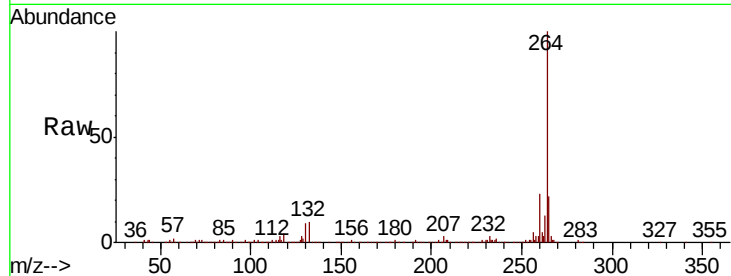
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :
S700A-N-0.0-0.5-082619

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	22.4	17.6	26.4

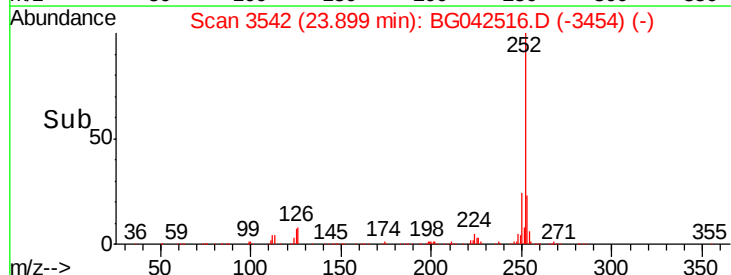
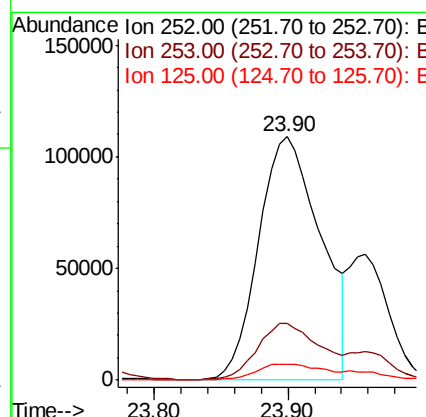
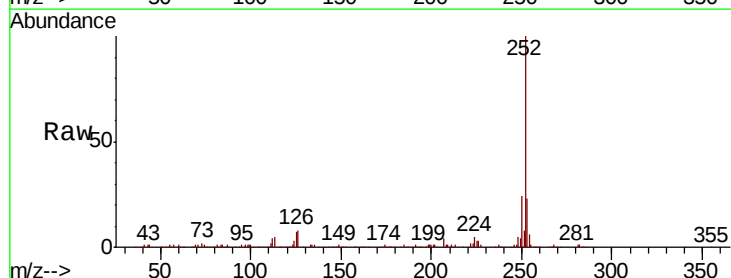
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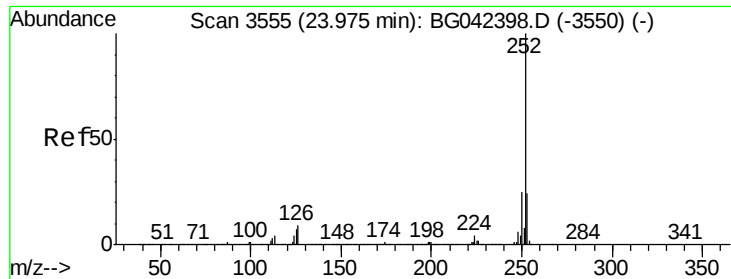
mohammad
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#88
Benzo(b)fluoranthene
Concen: 17.603 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.6	27.8
125	6.7	5.6	8.4





#89

Benzo(k)fluoranthene

Concen: 6.104 ng

RT: 23.96 min Scan# 3552

Delta R.T. -0.02 min

Lab File: BG042516.D

Acq: 27 Aug 2019 22:43

Instrument :

BNA_G

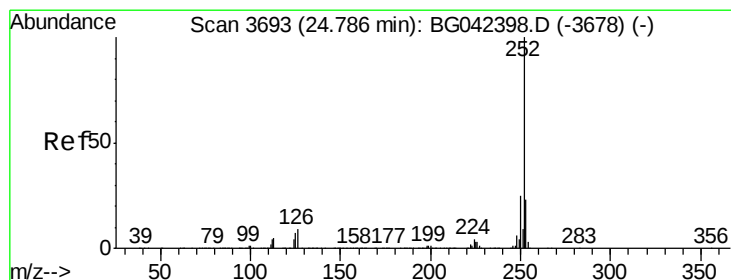
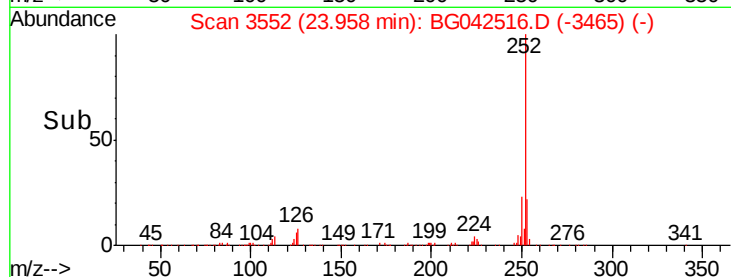
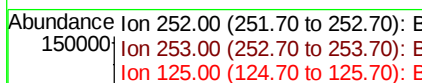
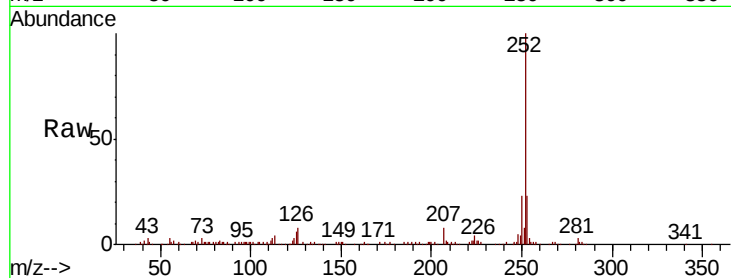
ClientSampleId :

S700A-N-0.0-0.5-082619

Tot Ion:	252	Resp:	117138
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.6	27.8
125	6.4	5.8	8.6

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#90

Benzo(a)pyrene

Concen: 12.445 ng

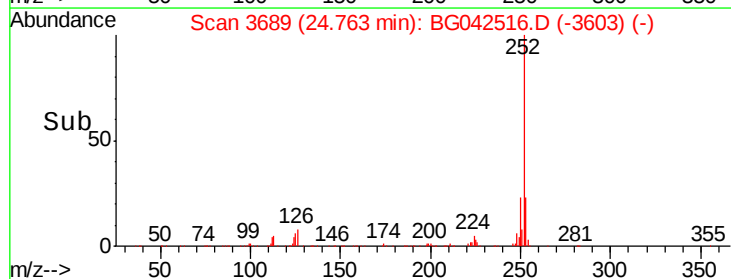
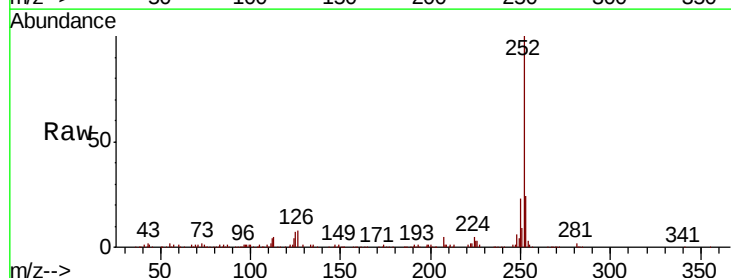
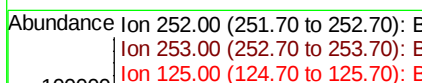
RT: 24.76 min Scan# 3689

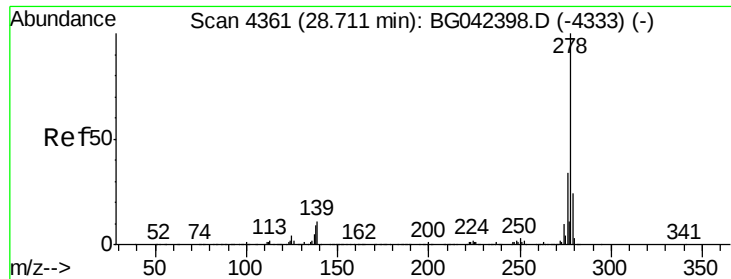
Delta R.T. -0.02 min

Lab File: BG042516.D

Acq: 27 Aug 2019 22:43

Tgt Ion:	252	Resp:	235780
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.4	27.6
125	6.8	6.0	9.0





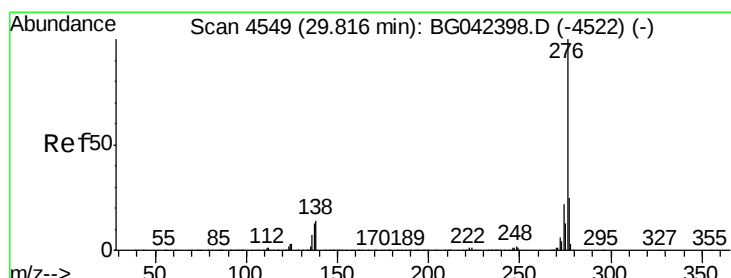
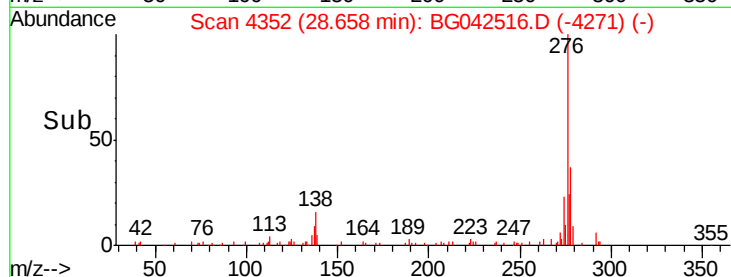
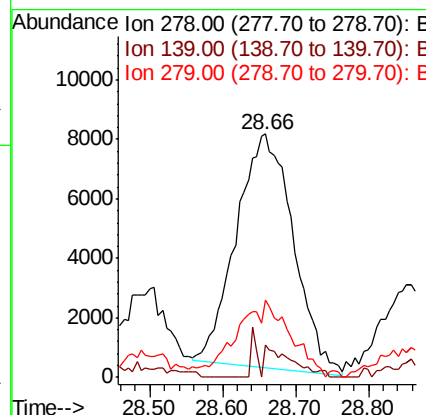
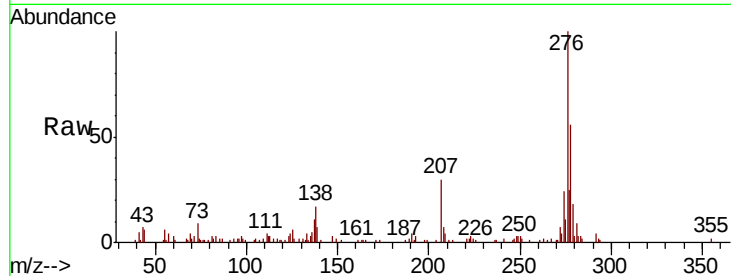
#91
Dibenzo(a,h)anthracene
Concen: 2.237 ng m
RT: 28.66 min Scan# 4352
Delta R.T. -0.05 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :
S700A-N-0.0-0.5-082619

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.3	8.8	13.2#
279	31.8	19.1	28.7#

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#92
Benzo(g,h,i)perylene
Concen: 8.886 ng
RT: 29.77 min Scan# 4542
Delta R.T. -0.04 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.8	29.8
138	14.2	11.4	17.0

