

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042518.D
 Acq On : 28 Aug 2019 00:00
 Operator : HP/JU
 Sample : K4516-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T1-S-S-E

Manual Integrations
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mohammad
 8/29/2019 7:58:28 AM

Quant Time: Aug 28 03:39:52 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	38945	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	143360	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	103184	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	251029	20.00	ng	0.00
76) Chrysene-d12	21.69	240	311709	20.00	ng	0.00
87) Perylene-d12	24.92	264	376986	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	289453	150.53	ng	0.00
7) Phenol-d6	7.16	99	384550	148.05	ng	0.00
23) Nitrobenzene-d5	9.17	82	223479	107.72	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	250225	170.62	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	656961	107.68	ng	0.00
79) Terphenyl-d14	20.02	244	1263281	87.62	ng	0.00

Target Compounds				Qvalue		
10) Phenol	7.19	94	12222	4.628	ng	# 72
50) Dimethylphthalate	14.11	163	54690	7.346	ng	97
52) Acenaphthene	14.72	154	24754	4.712	ng	99
58) Fluorene	15.71	166	22731	3.197	ng	97
71) Phenanthrene	17.45	178	464698	37.268	ng	99
72) Anthracene	17.54	178	109809	8.822	ng	100
73) Carbazole	17.81	167	32795	2.956	ng	98
75) Fluoranthene	19.47	202	975527	64.105	ng	99
78) Pyrene	19.83	202	868717	45.457	ng	99
81) Benzo(a)anthracene	21.67	228	576073	30.381	ng	98
83) Chrysene	21.73	228	479221	26.206	ng	98
86) Indeno(1,2,3-cd)pyrene	28.61	276	216575	8.715	ng	# 95
88) Benzo(b)fluoranthene	23.90	252	647608	31.247	ng	99
89) Benzo(k)fluoranthene	23.96	252	225554m	11.322	ng	
90) Benzo(a)pyrene	24.77	252	419443	21.328	ng	99
91) Dibenzo(a,h)anthracene	28.65	278	66239	3.326	ng	96
92) Benzo(g,h,i)perylene	29.77	276	195604	9.822	ng	98

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

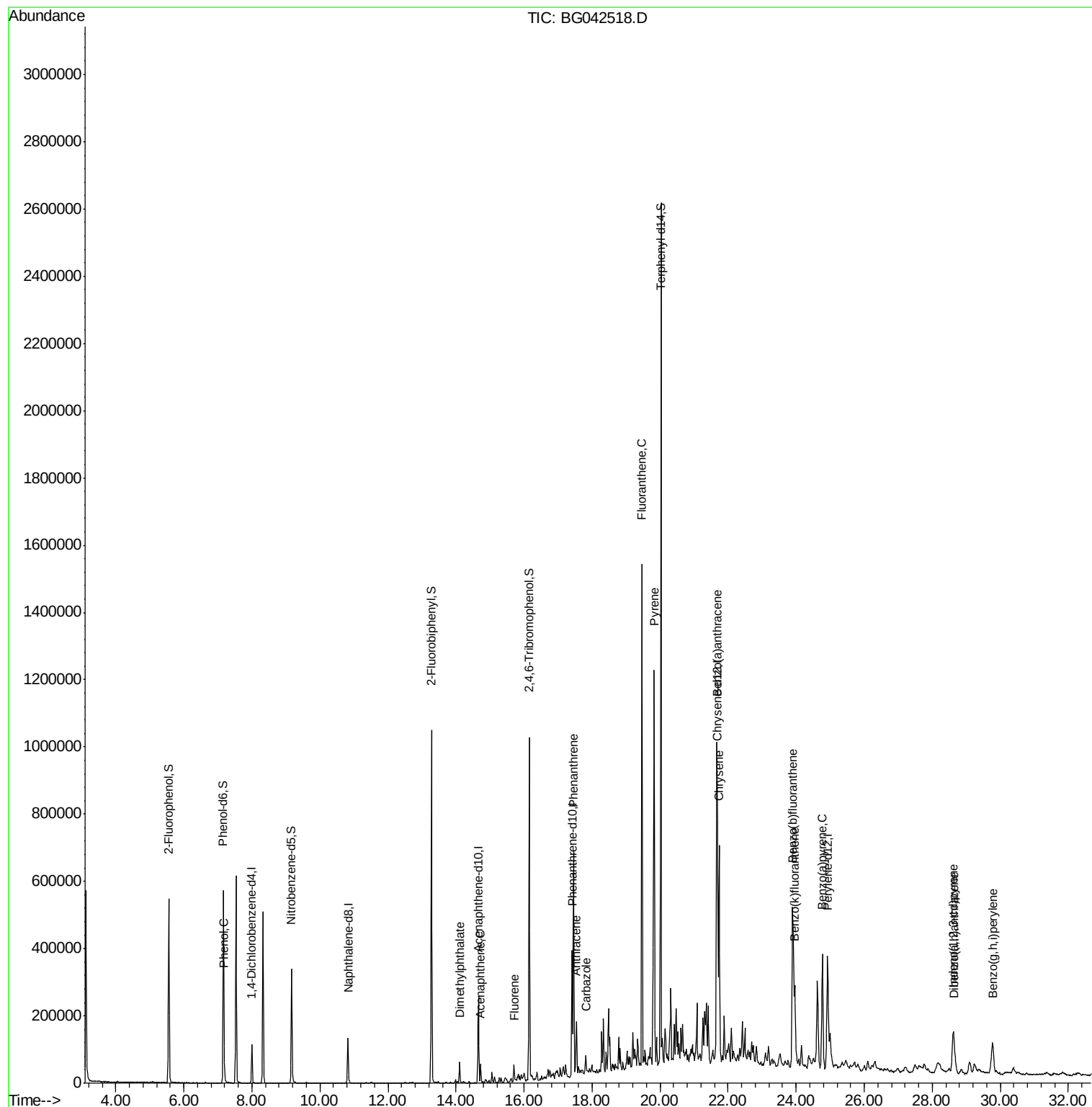
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
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ALS Vial : 14 Sample Multiplier: 1

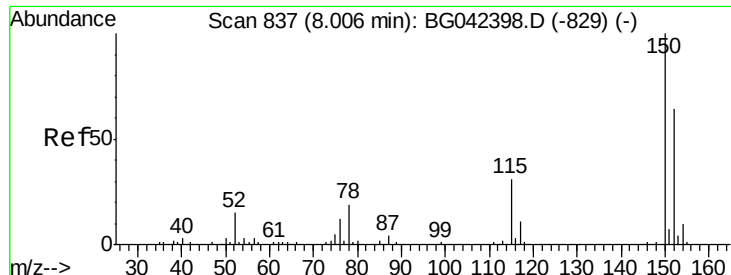
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

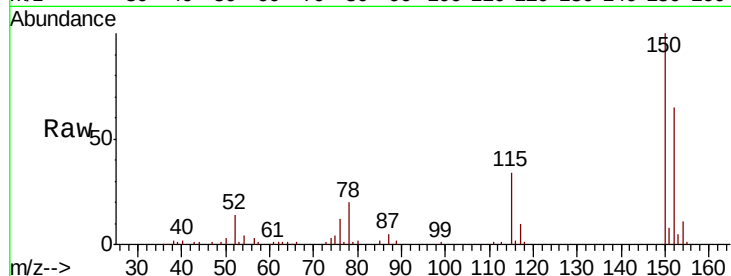
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042518.D
Acq: 28 Aug 2019 00:00

Instrument :
BNA_G
ClientSampleId :
T1-S-S-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.4	188.0
115	51.8	38.5	57.7

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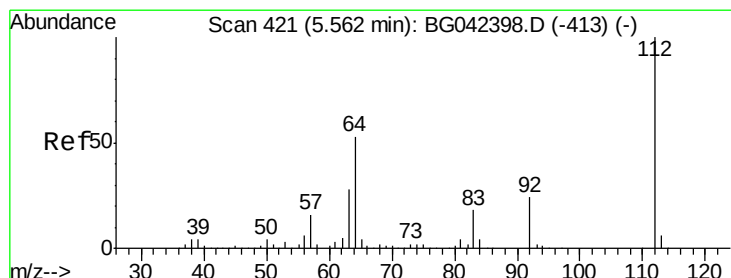
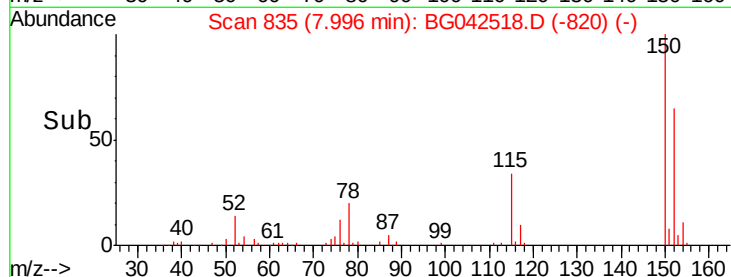
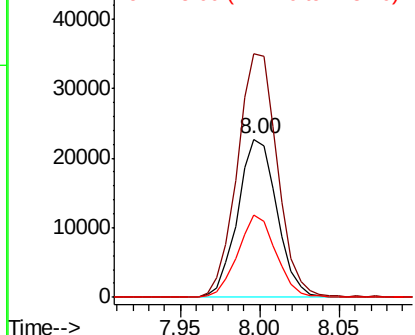


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

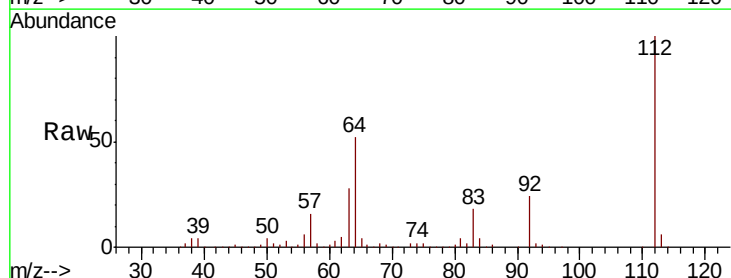
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 150.527 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG042518.D
Acq: 28 Aug 2019 00:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	42.8	64.2
63	27.8	22.7	34.1

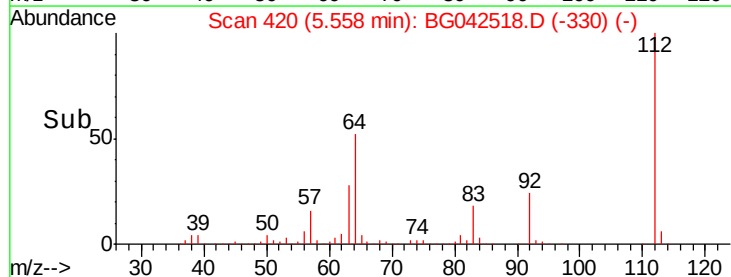
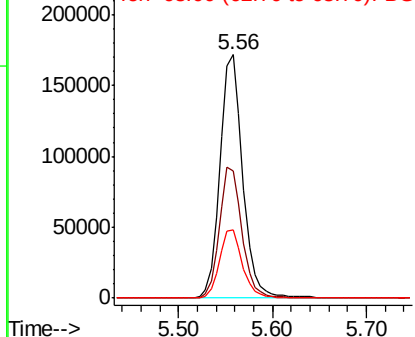


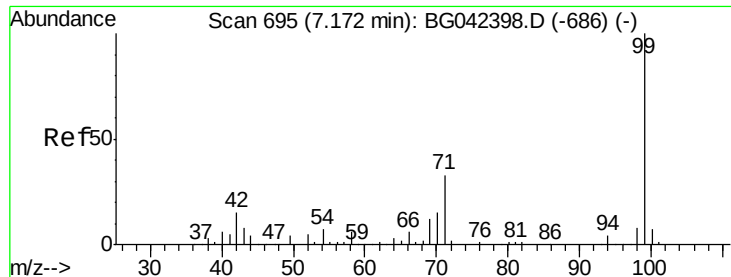
Abundance

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: 148.049 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042518.D

Acq: 28 Aug 2019 00:00

Instrument :

BNA_G

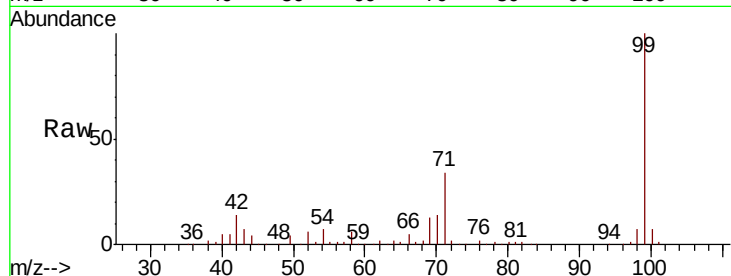
ClientSampleId :

T1-S-S-E

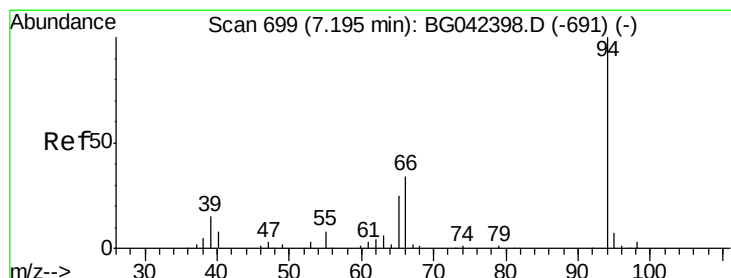
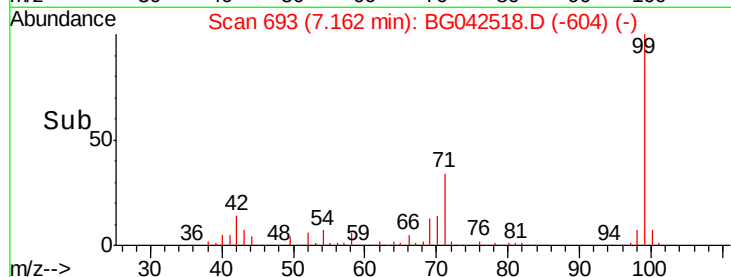
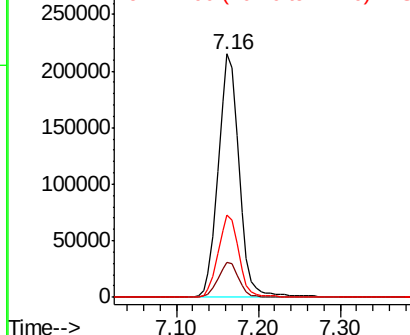
Tot Ion:	99	Resp:	384550
Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.0	18.0
71	34.0	26.3	39.5

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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: 4.628 ng

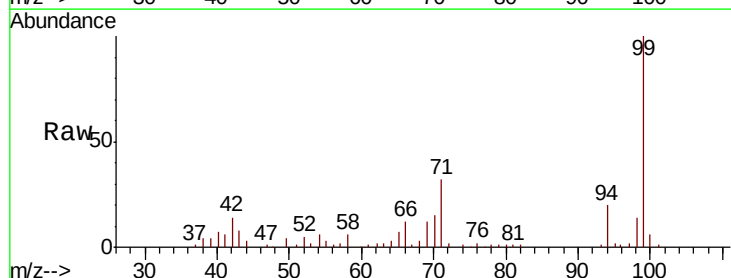
RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

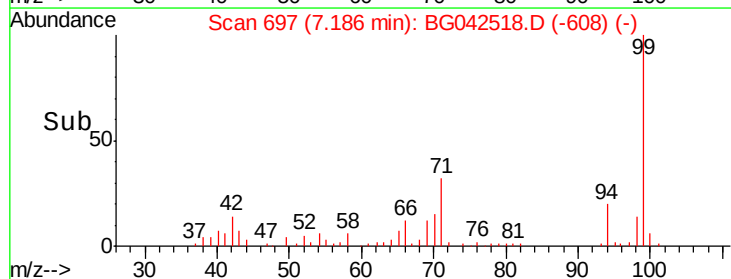
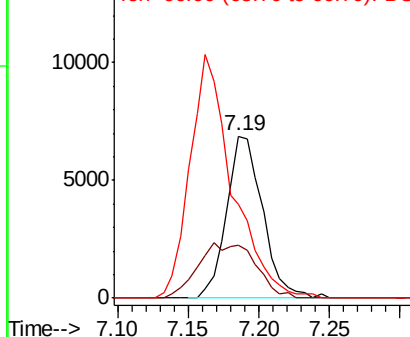
Lab File: BG042518.D

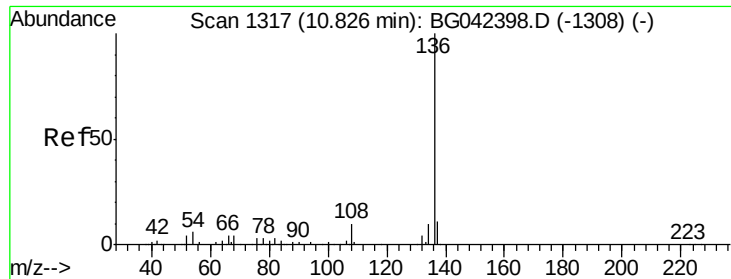
Acq: 28 Aug 2019 00:00

Tgt Ion:	94	Resp:	12222
Ion	Ratio	Lower	Upper
94	100		
65	33.0	5.6	45.6
66	57.8	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





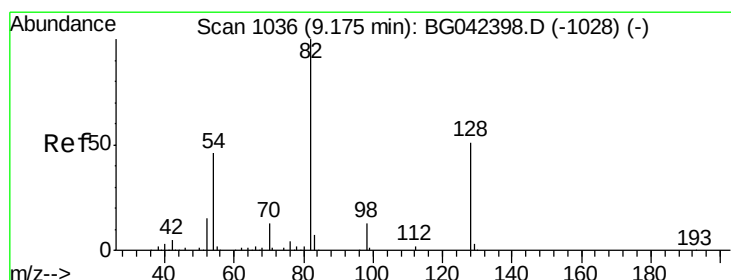
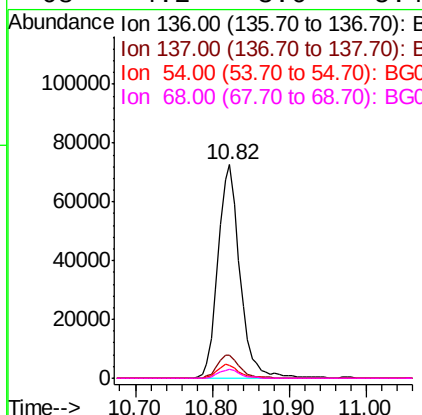
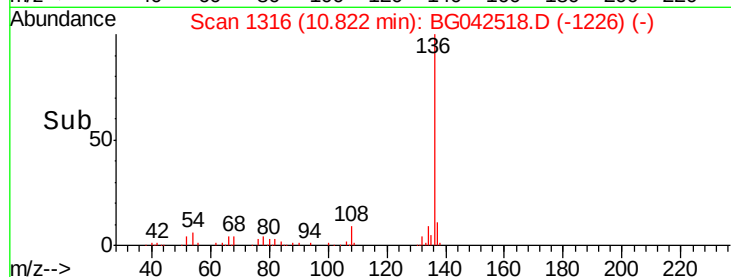
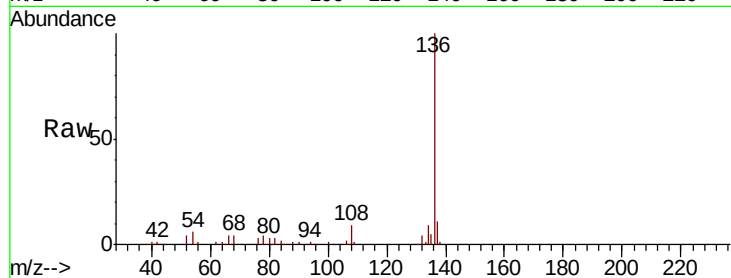
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042518.D
Acq: 28 Aug 2019 00:00

Instrument :
BNA_G
ClientSampleId :
T1-S-S-E

Tot Ion	Ratio	Resp	Lower	Upper
136	100	143360		
137	10.7		8.7	13.1
54	5.8		4.9	7.3
68	4.2		3.6	5.4

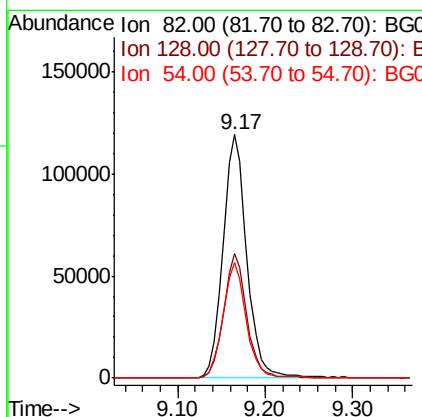
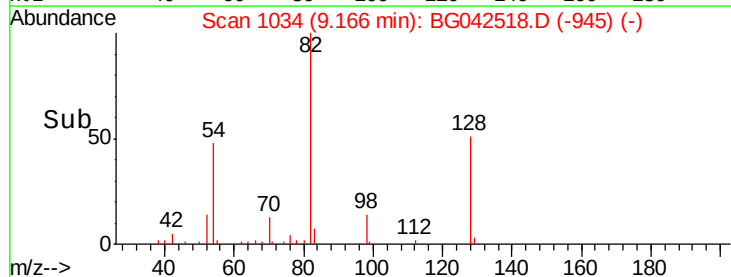
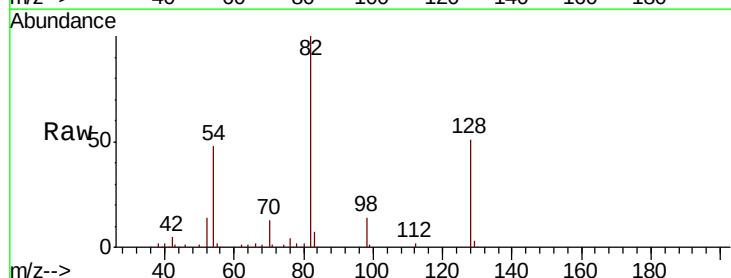
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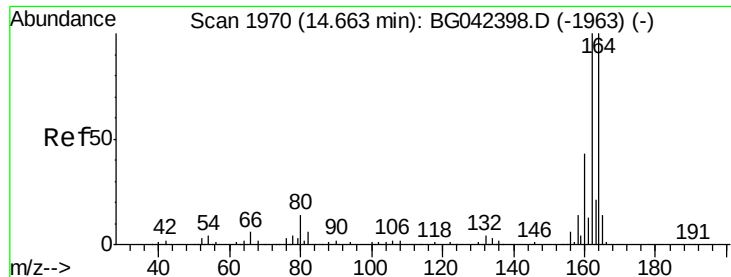
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#23
Nitrobenzene-d5
Concen: 107.724 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042518.D
Acq: 28 Aug 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	223479		
128	51.0		40.7	61.1
54	47.7		36.3	54.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG042518.D

Acq: 28 Aug 2019 00:00

Instrument :

BNA_G

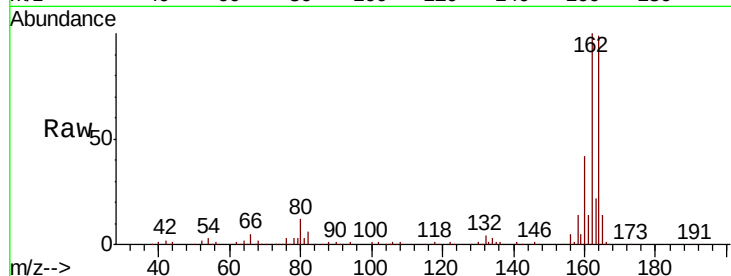
ClientSampleId :

T1-S-S-E

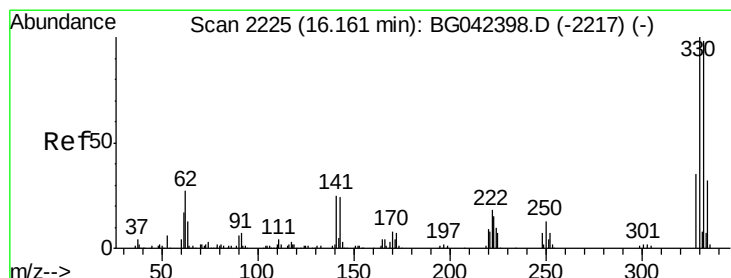
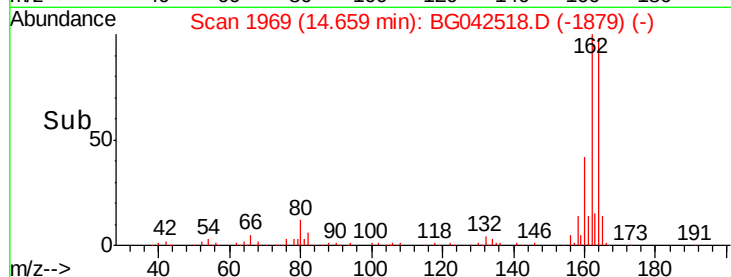
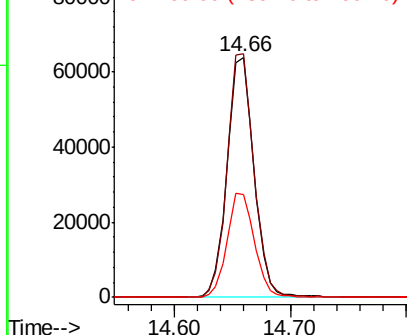
Tot Ion:	164	Resp:	103184
Ion Ratio	Lower	Upper	
164	100		
162	101.4	79.9	119.9
160	43.1	34.3	51.5

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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: 170.617 ng

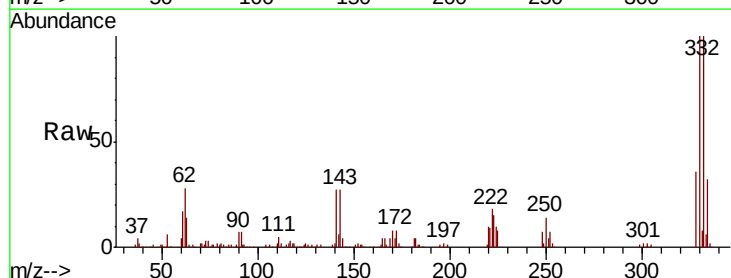
RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

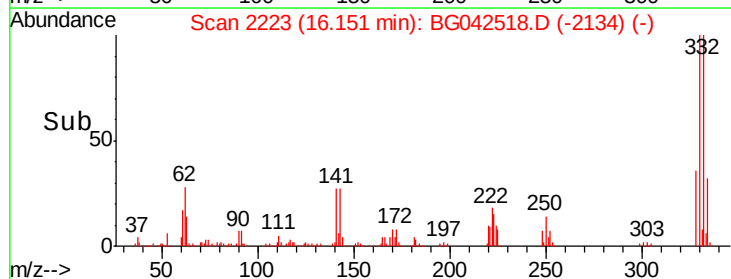
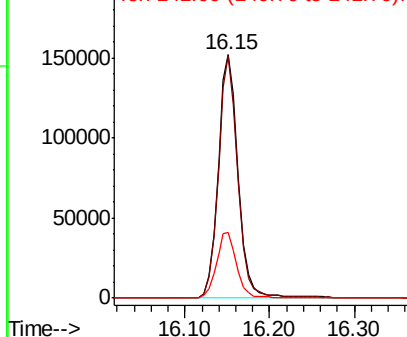
Lab File: BG042518.D

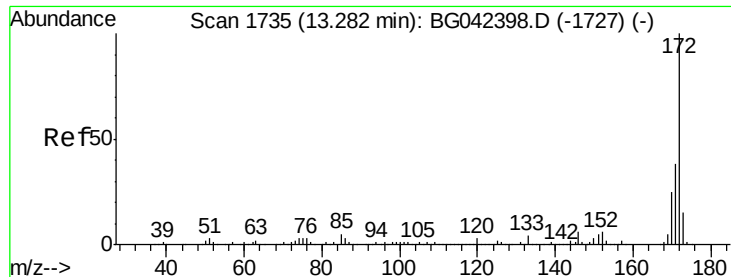
Acq: 28 Aug 2019 00:00

Tgt Ion:	330	Resp:	250225
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.4	116.0
141	27.8	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





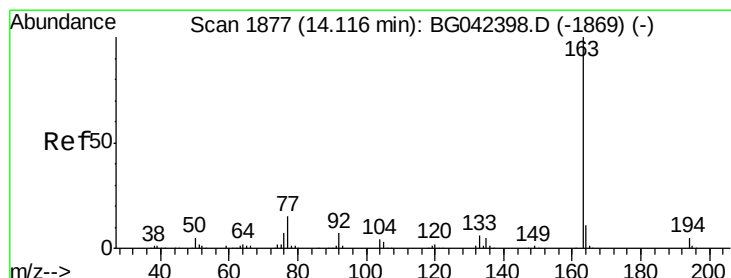
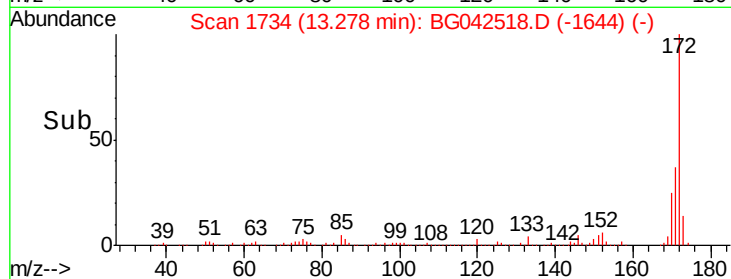
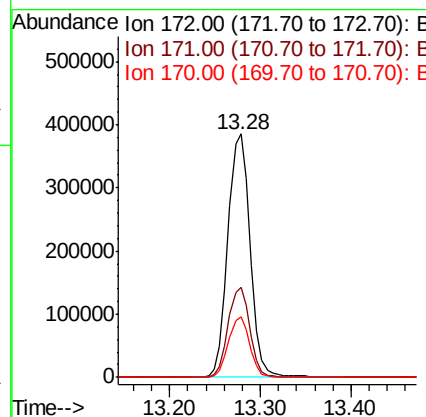
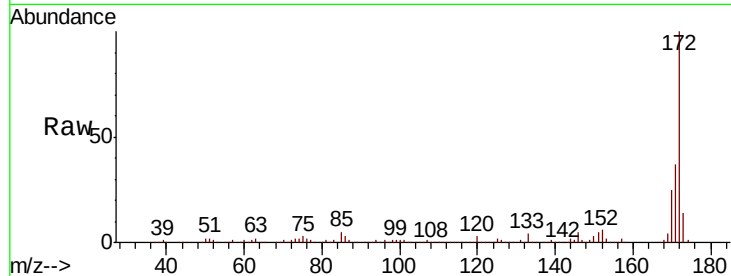
#45
 2-Fluorobiphenyl
 Concen: 107.682 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042518.D
 Acq: 28 Aug 2019 00:00

Instrument :
 BNA_G
 ClientSampleId :
 T1-S-S-E

Tot Ion	Ratio	Resp	Lower	Upper
172	100	656961		
171	37.1		30.5	45.7
170	24.9		20.2	30.2

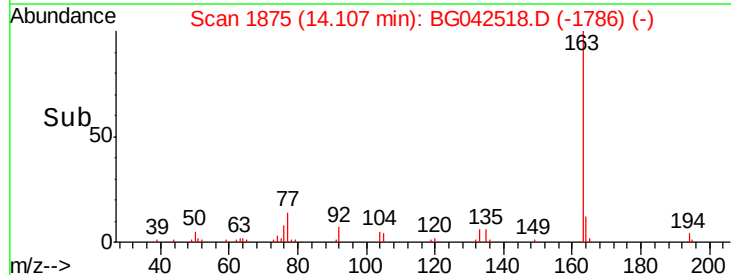
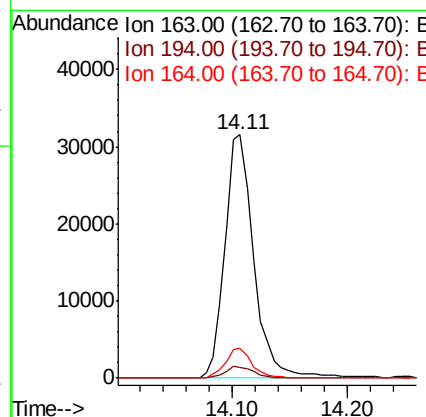
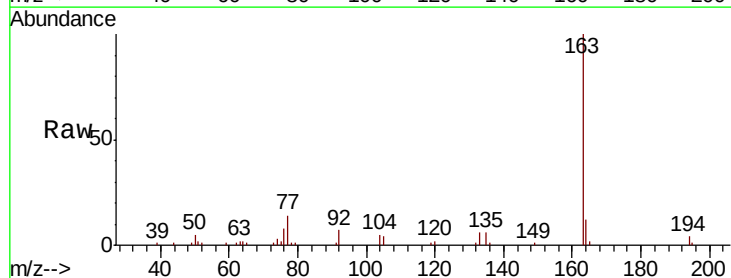
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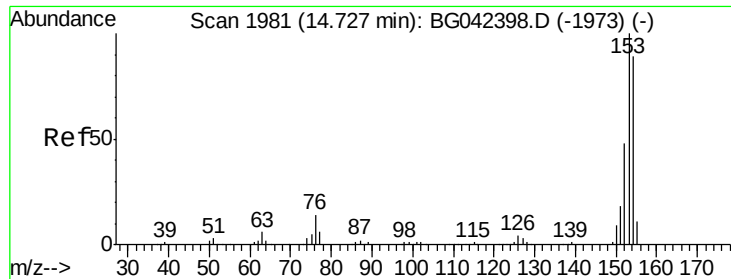
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#50
 Dimethylphthalate
 Concen: 7.346 ng
 RT: 14.11 min Scan# 1875
 Delta R.T. -0.01 min
 Lab File: BG042518.D
 Acq: 28 Aug 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	54690		
194	4.4		4.2	6.2
164	12.3		8.8	13.2





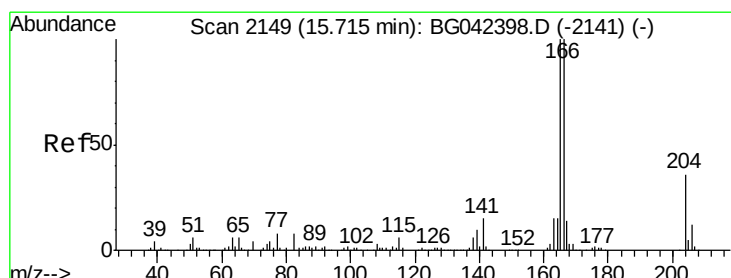
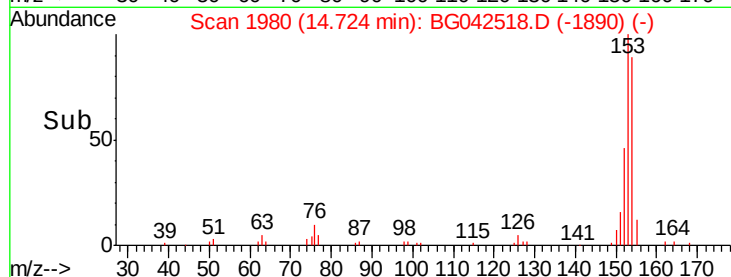
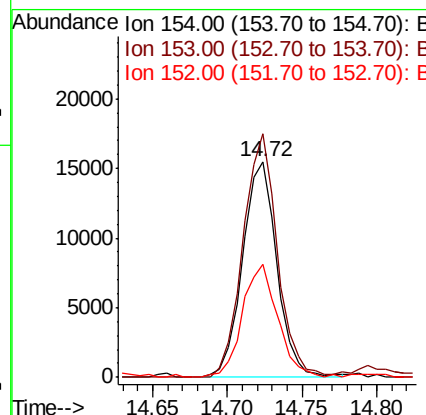
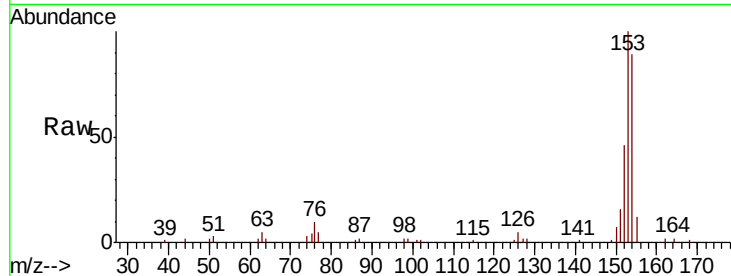
#52
Acenaphthene
Concen: 4.712 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.00 min
Lab File: BG042518.D
Acq: 28 Aug 2019 00:00

Instrument :
BNA_G
ClientSampleId :
T1-S-S-E

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.2	135.4
152	52.5	43.2	64.8

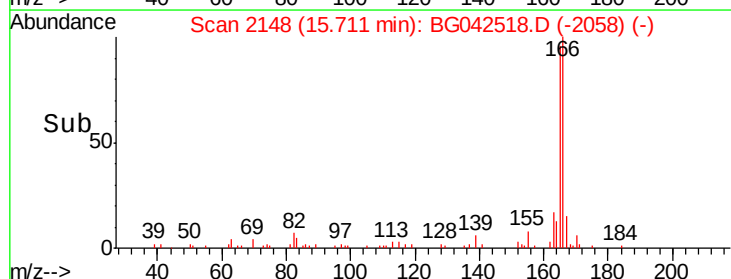
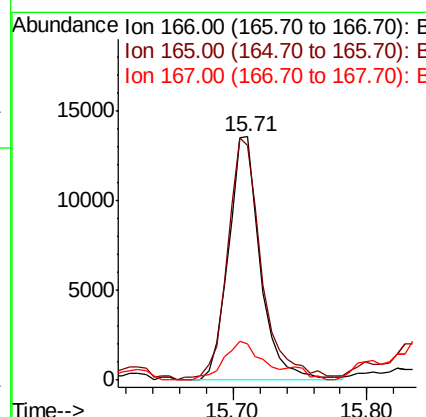
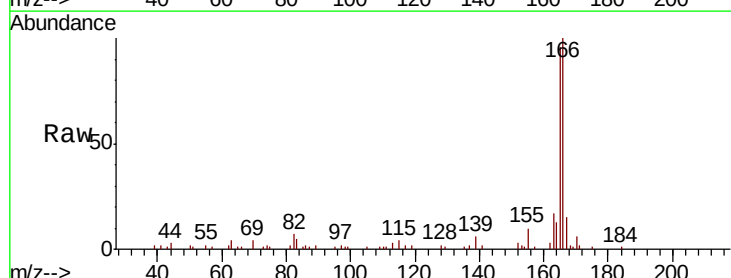
Manual Integrations
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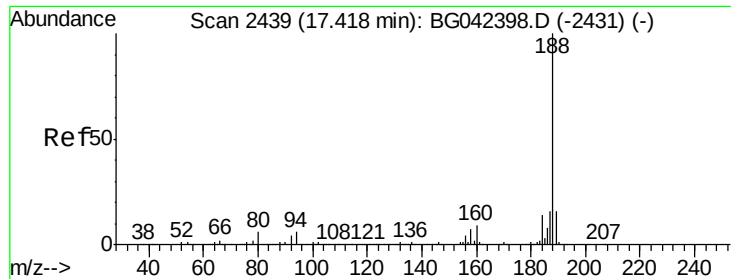
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#58
Fluorene
Concen: 3.197 ng
RT: 15.71 min Scan# 2148
Delta R.T. -0.00 min
Lab File: BG042518.D
Acq: 28 Aug 2019 00:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.2	79.7	119.5
167	15.0	10.9	16.3





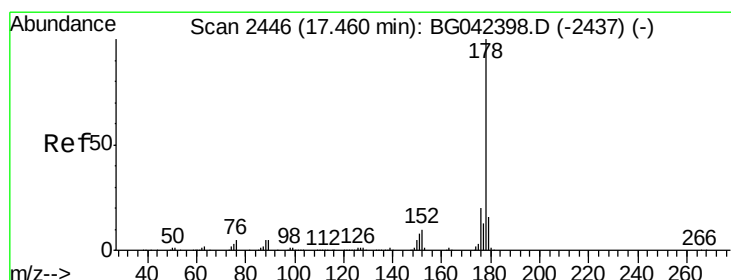
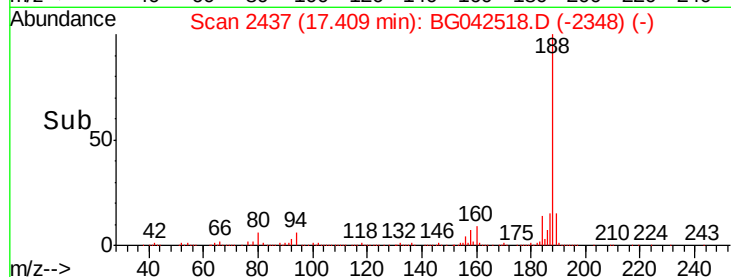
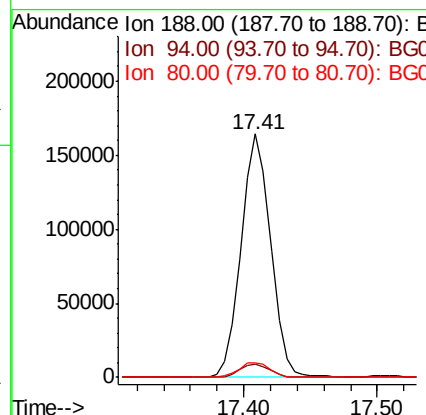
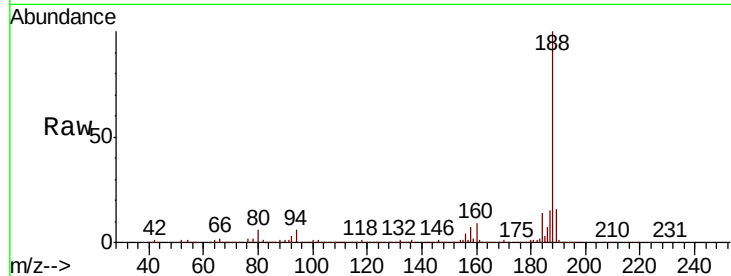
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042518.D
Acq: 28 Aug 2019 00:00

Instrument :
BNA_G
ClientSampleId :
T1-S-S-E

Tot Ion	Ratio	Resp	Lower	Upper
188	100	251029		
94	5.6		4.5	6.7
80	6.0		4.9	7.3

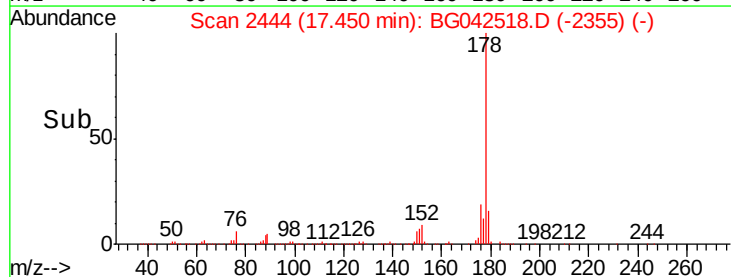
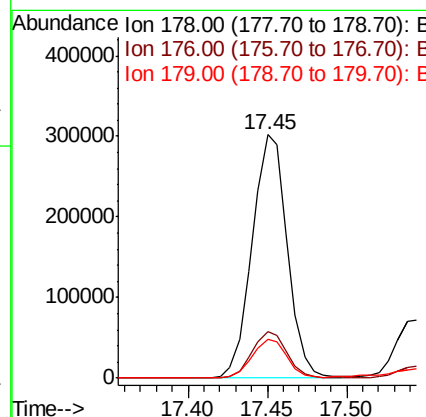
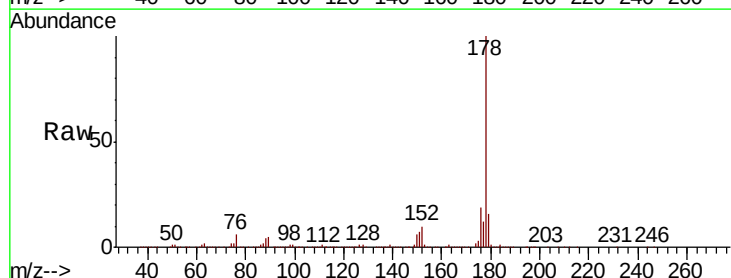
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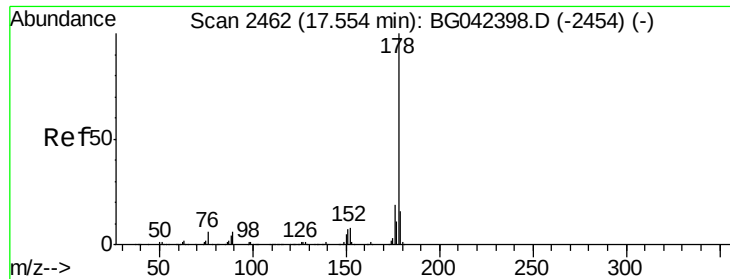
mohammad
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#71
Phenanthrene
Concen: 37.268 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG042518.D
Acq: 28 Aug 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	464698		
176	19.1		15.9	23.9
179	15.8		12.7	19.1





#72

Anthracene

Concen: 8.822 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG042518.D

Acq: 28 Aug 2019 00:00

Instrument :

BNA_G

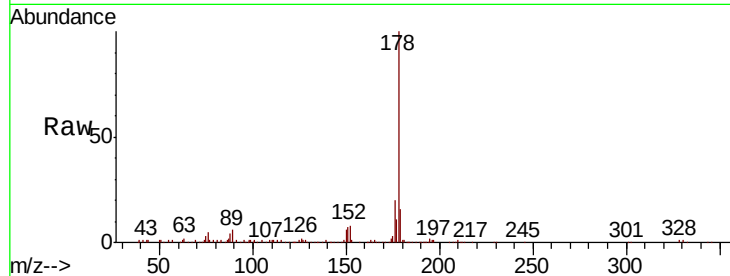
ClientSampleId :

T1-S-S-E

Tot Ion:	178	Resp:	109809
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.5	23.3
179	15.9	12.9	19.3

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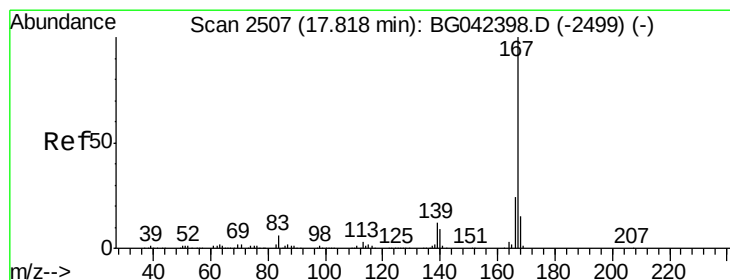
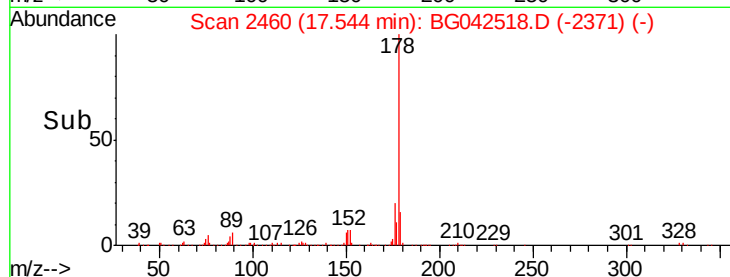
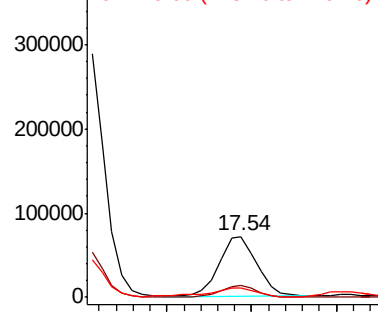


Abundance

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: 2.956 ng

RT: 17.81 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BG042518.D

Acq: 28 Aug 2019 00:00

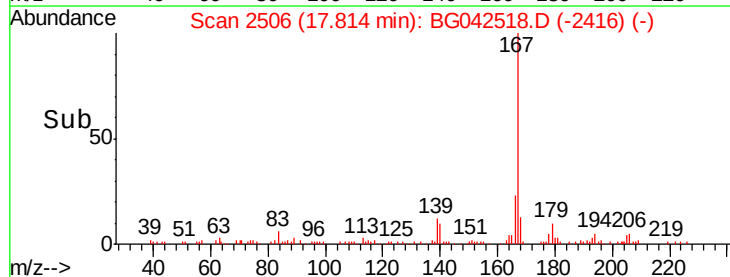
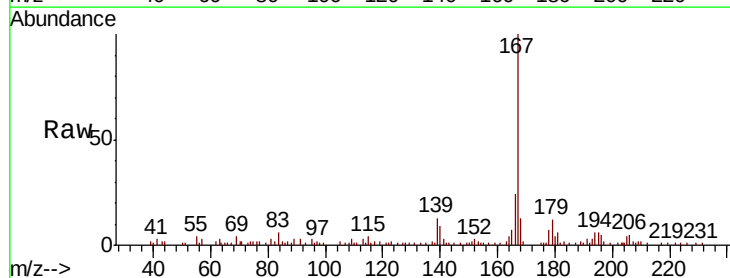
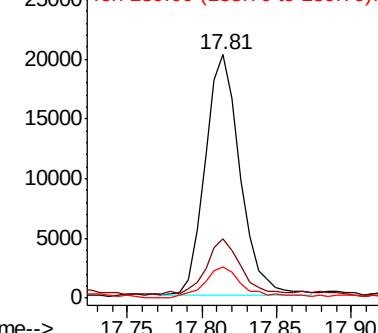
Tgt Ion:	167	Resp:	32795
Ion Ratio	Lower	Upper	
167	100		
166	24.3	18.9	28.3
139	13.0	9.8	14.6

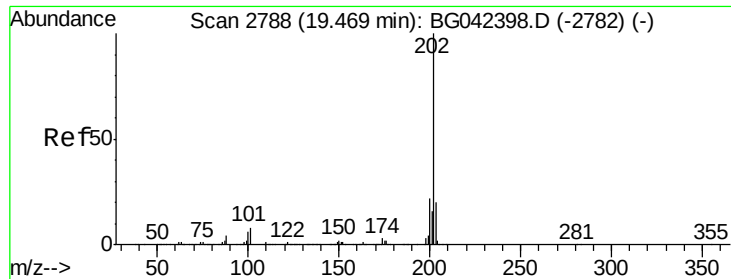
Abundance

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





#75

Fluoranthene

Concen: 64.105 ng

RT: 19.47 min Scan# 2787

Delta R.T. -0.00 min

Lab File: BG042518.D

Acq: 28 Aug 2019 00:00

Instrument :

BNA_G

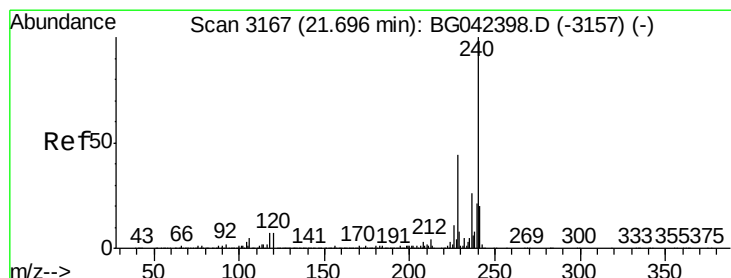
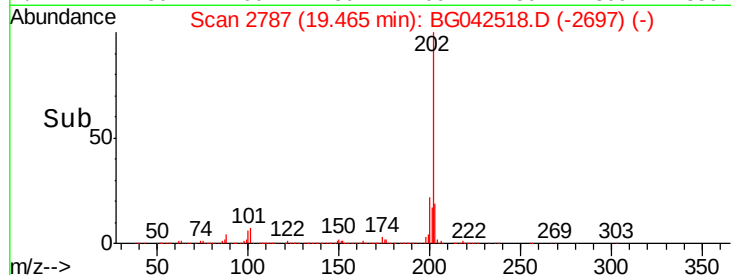
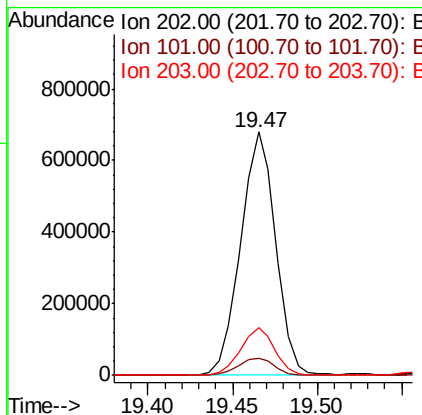
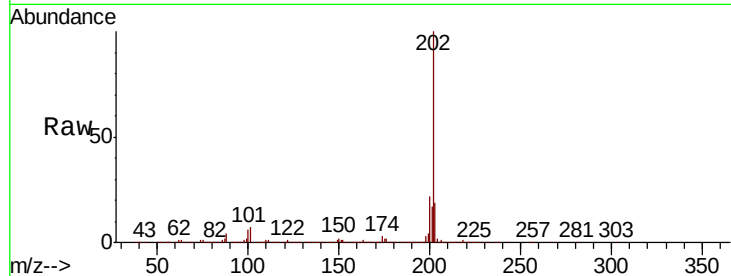
ClientSampleId :

T1-S-S-E

Tot Ion	Ratio	Resp	Lower	Upper
202	100	975527		
101	7.2	0.0	28.3	
203	19.4	0.0	39.6	

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#76

Chrysene-d12

Concen: 20.000 ng

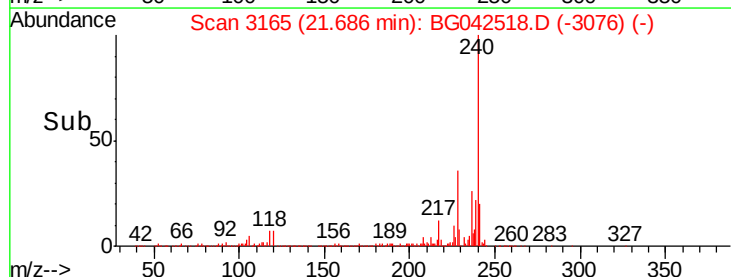
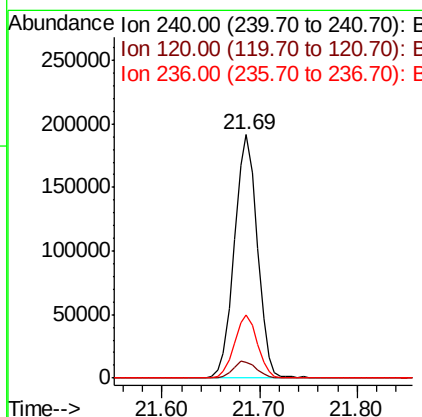
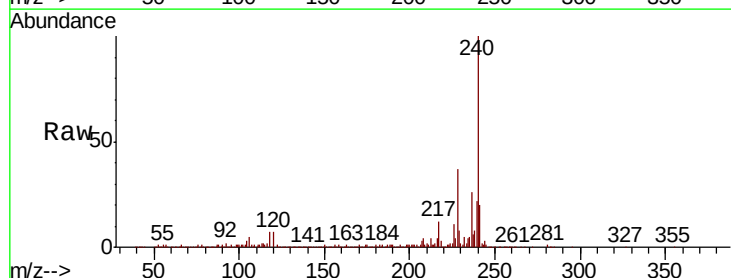
RT: 21.69 min Scan# 3165

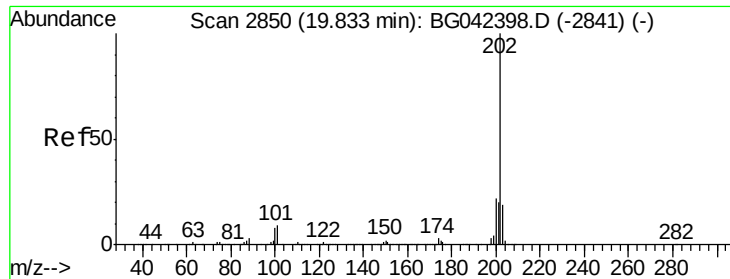
Delta R.T. -0.01 min

Lab File: BG042518.D

Acq: 28 Aug 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	311709		
120	6.7	5.7	8.5	
236	26.0	21.0	31.4	





#78

Pvrene

Concen: 45.457 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG042518.D

Acq: 28 Aug 2019 00:00

Instrument :

BNA_G

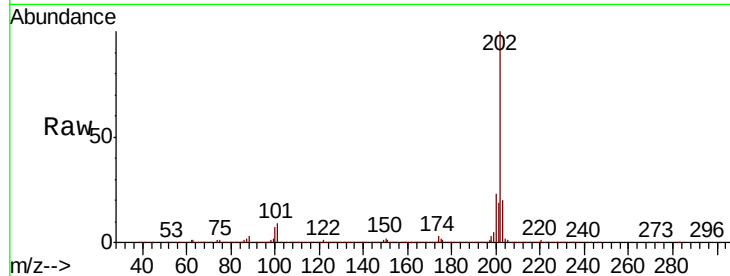
ClientSampleId :

T1-S-S-E

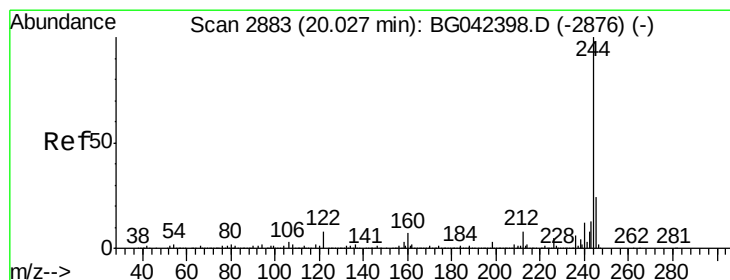
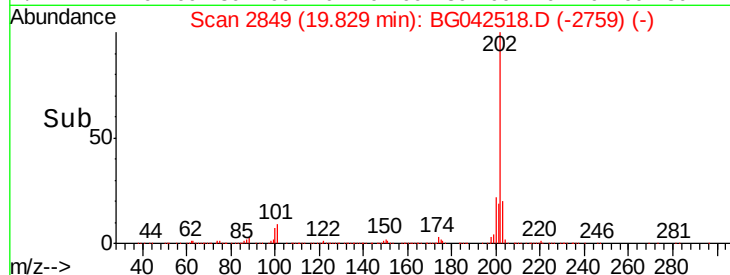
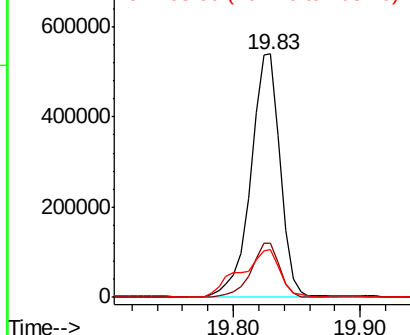
Tot Ion:	202	Resp:	868717
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.8	26.6
203	19.8	15.5	23.3

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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: 87.617 ng

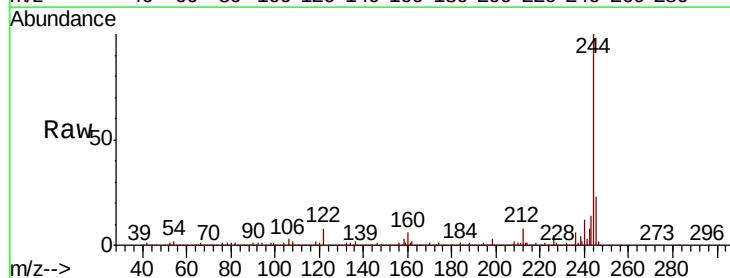
RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

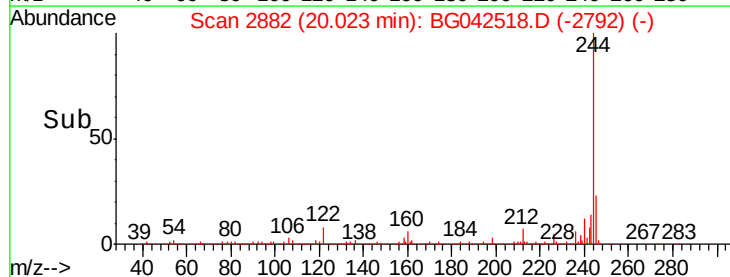
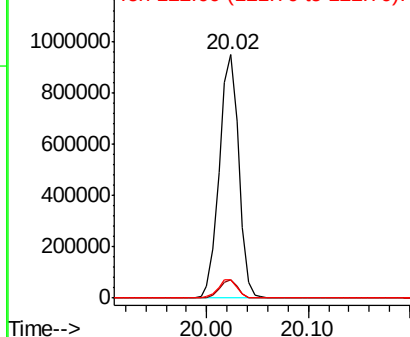
Lab File: BG042518.D

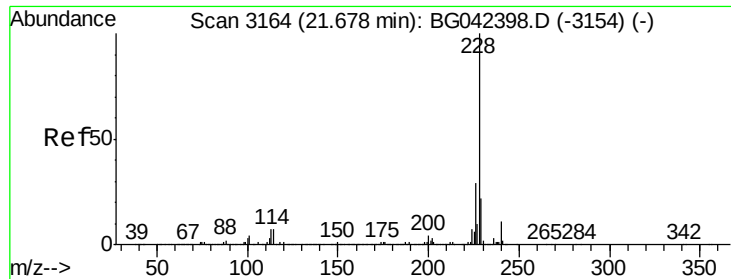
Acq: 28 Aug 2019 00:00

Tgt Ion:	244	Resp:	1263281
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.0	9.0
122	7.8	6.7	10.1



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 30.381 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG042518.D

Acq: 28 Aug 2019 00:00

Instrument :

BNA_G

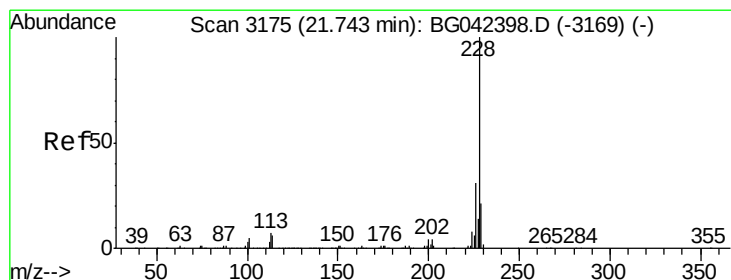
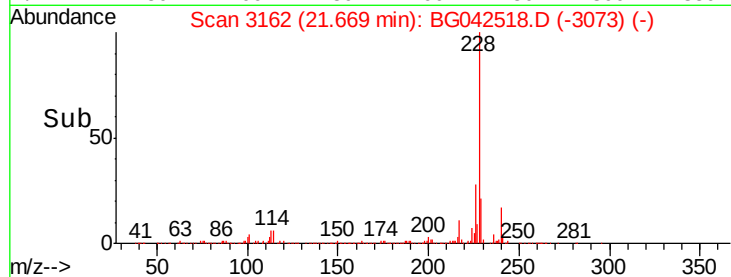
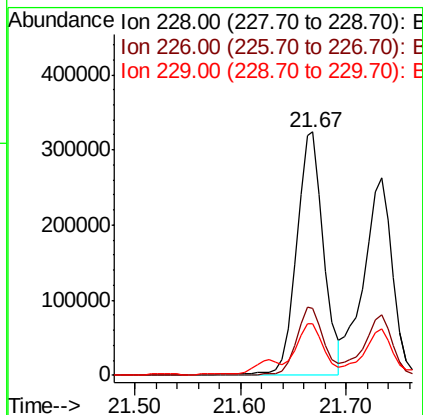
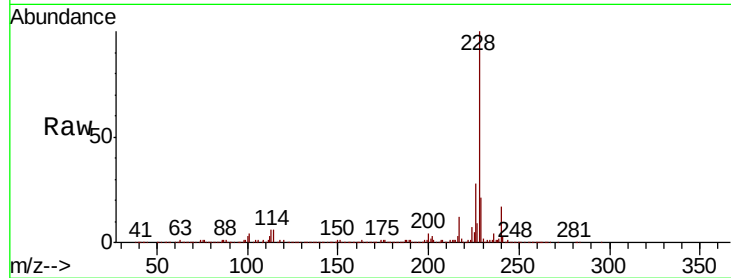
ClientSampleId :

T1-S-S-E

Tot Ion:	228	Resp:	576073
Ion Ratio	Lower	Upper	
228	100		
226	27.7	23.4	35.2
229	21.2	17.4	26.2

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#83

Chrysene

Concen: 26.206 ng

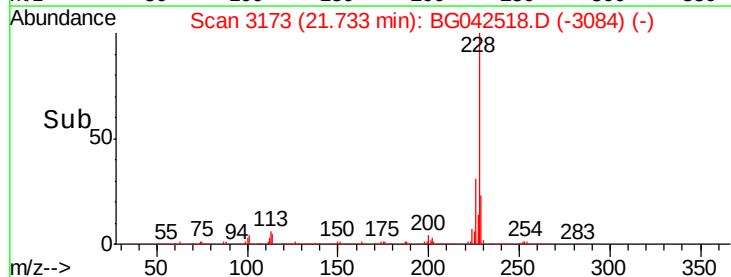
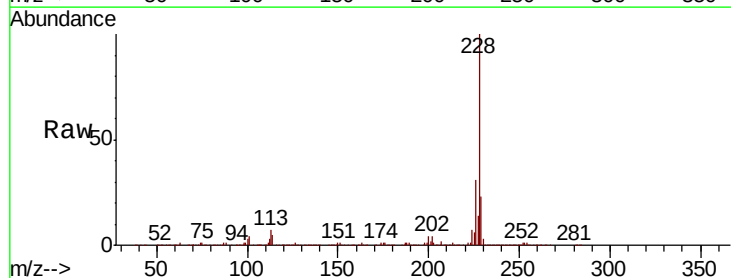
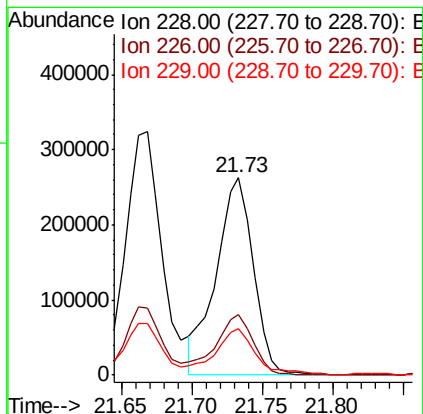
RT: 21.73 min Scan# 3173

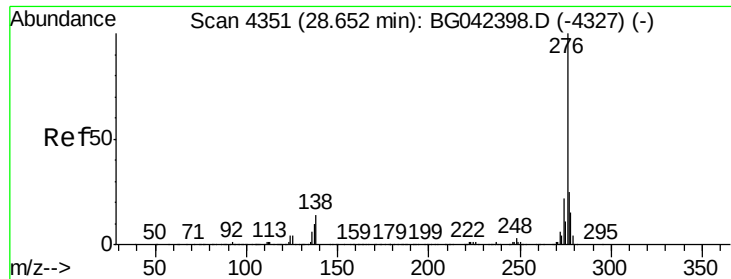
Delta R.T. -0.01 min

Lab File: BG042518.D

Acq: 28 Aug 2019 00:00

Tgt Ion:	228	Resp:	479221
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.9	37.3
229	23.3	16.9	25.3





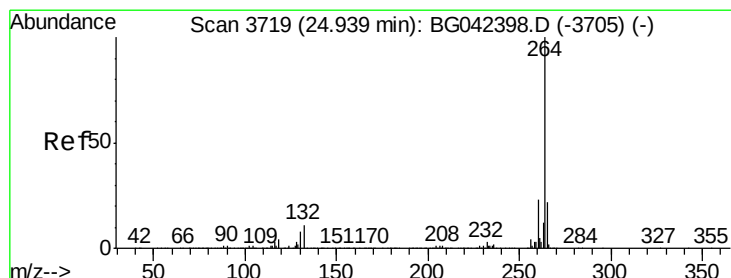
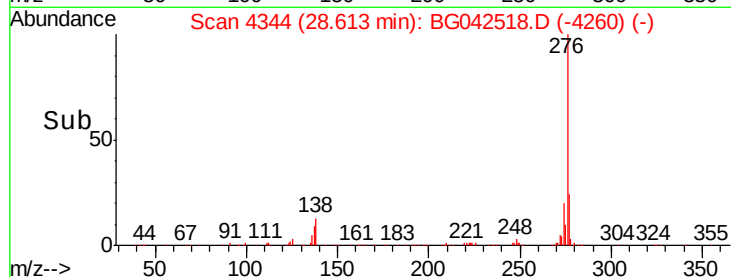
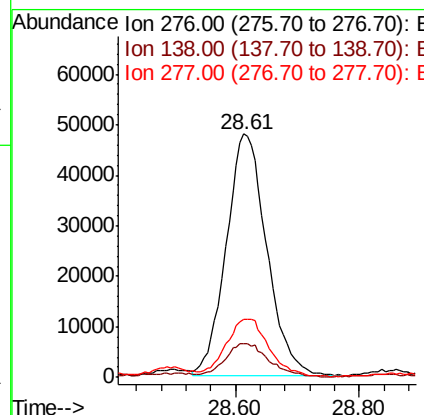
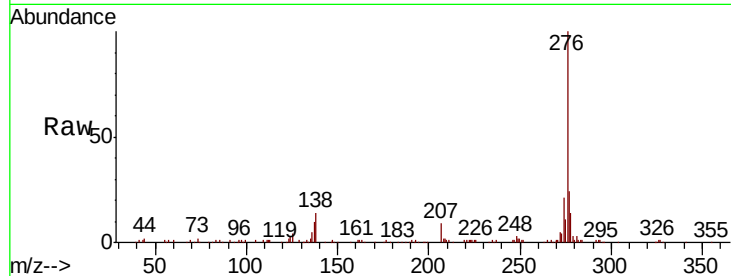
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.715 ng
 RT: 28.61 min Scan# 4344
 Delta R.T. -0.04 min
 Lab File: BG042518.D
 Acq: 28 Aug 2019 00:00

Instrument :
 BNA_G
 ClientSampleId :
 T1-S-S-E

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.5	9.2	13.8#
277	24.9	21.0	31.6

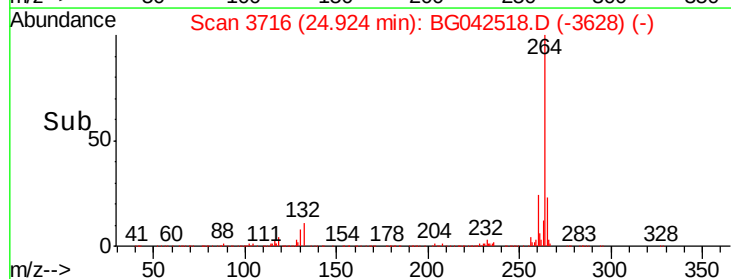
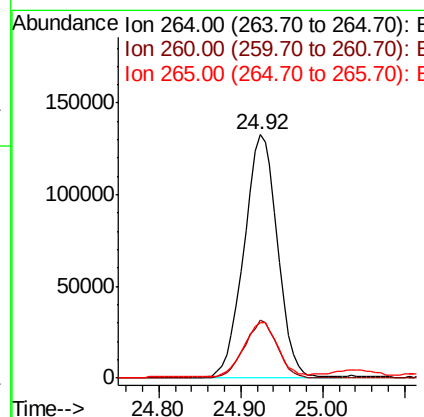
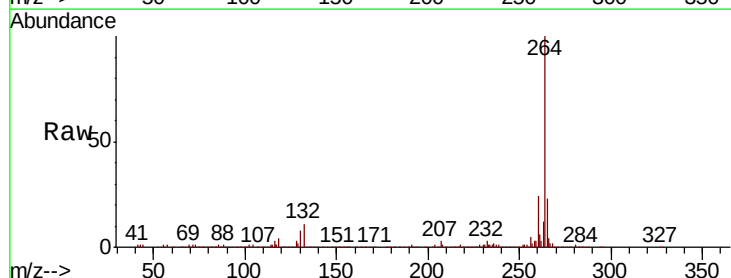
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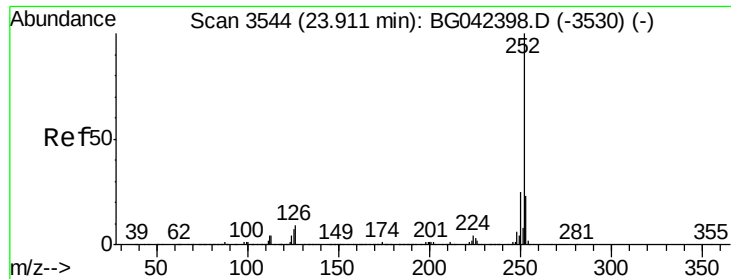
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3716
 Delta R.T. -0.02 min
 Lab File: BG042518.D
 Acq: 28 Aug 2019 00:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.5	27.7
265	22.6	17.6	26.4





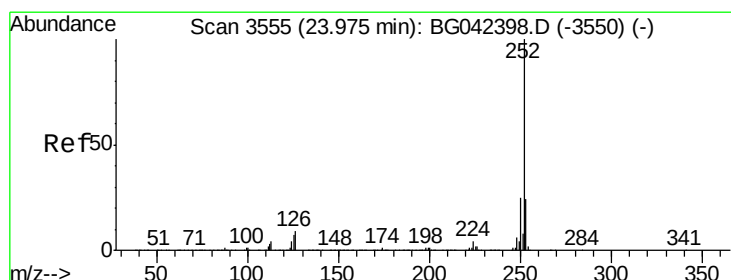
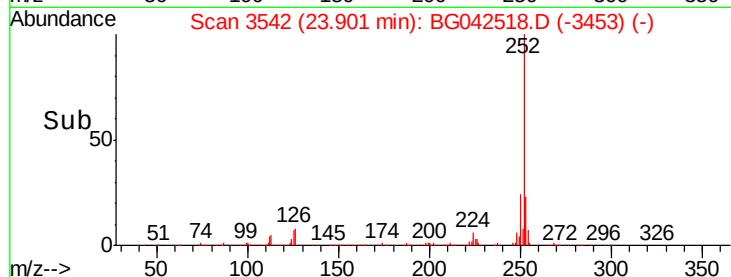
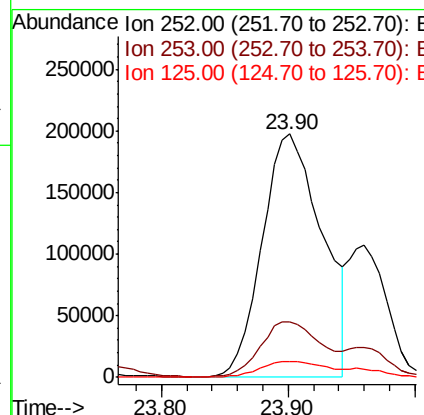
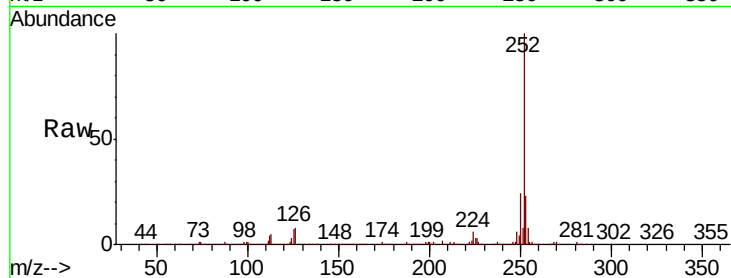
#88
Benzo(b)fluoranthene
Concen: 31.247 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG042518.D
Acq: 28 Aug 2019 00:00

Instrument :
BNA_G
ClientSampleId :
T1-S-S-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.6	27.8
125	6.6	5.6	8.4

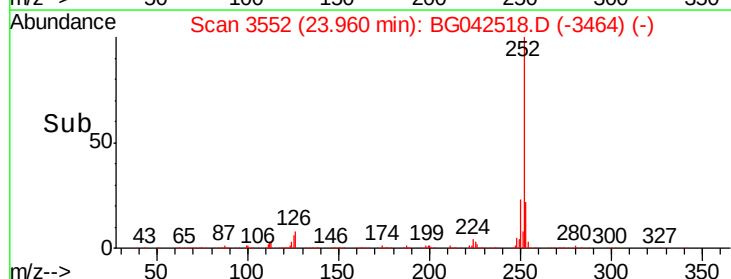
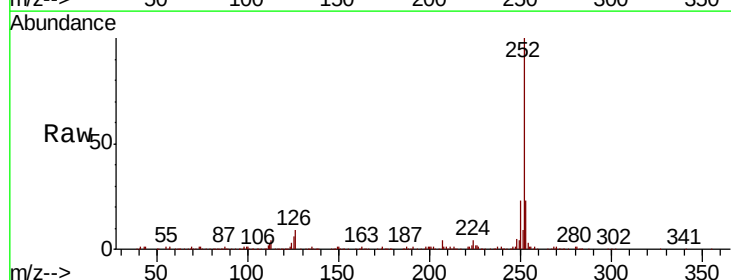
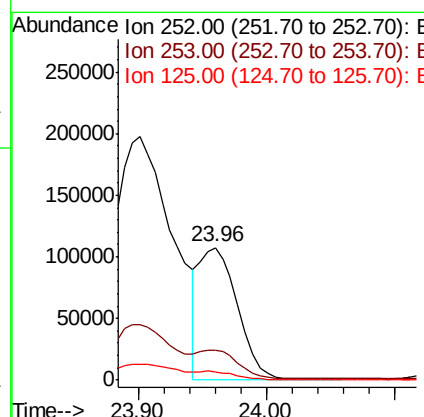
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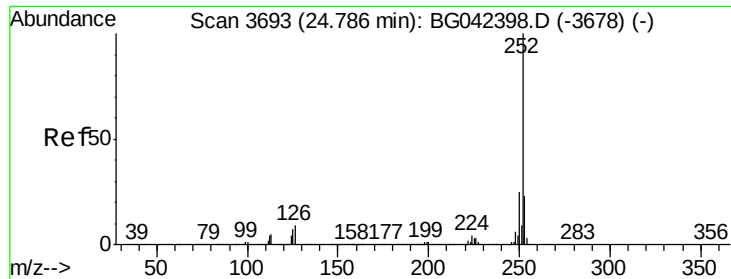
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#89
Benzo(k)fluoranthene
Concen: 11.322 ng m
RT: 23.96 min Scan# 3552
Delta R.T. -0.02 min
Lab File: BG042518.D
Acq: 28 Aug 2019 00:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.6	27.8
125	5.8	5.8	8.6





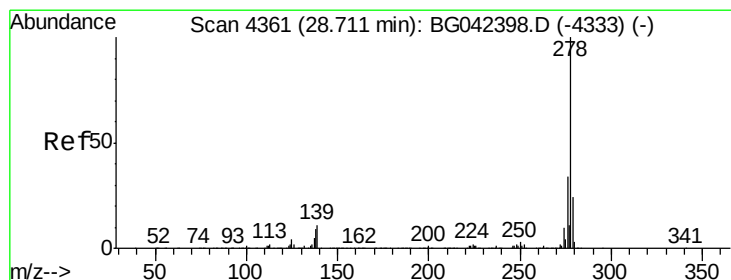
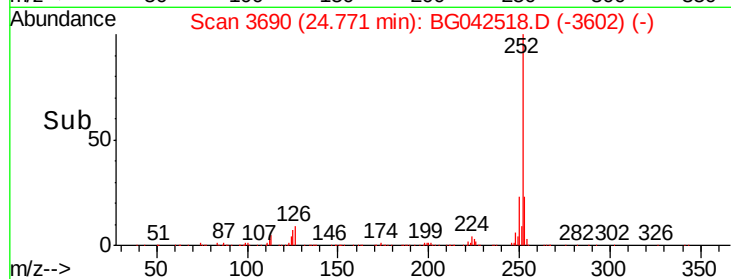
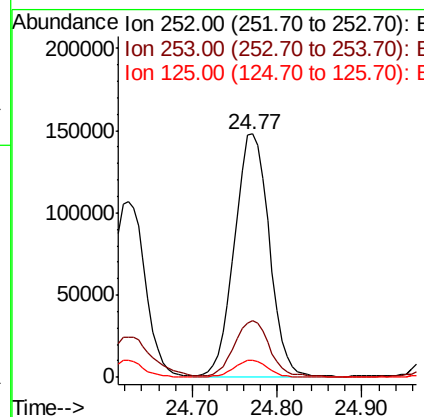
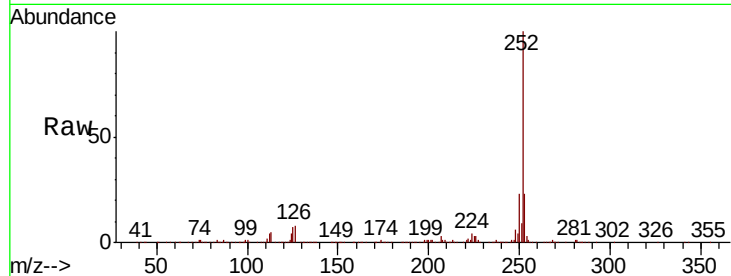
#90
Benzo(a)pyrene
Concen: 21.328 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.02 min
Lab File: BG042518.D
Acq: 28 Aug 2019 00:00

Instrument :
BNA_G
ClientSampleId :
T1-S-S-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	7.1	6.0	9.0

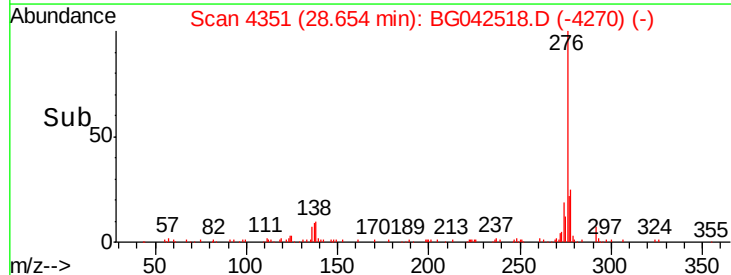
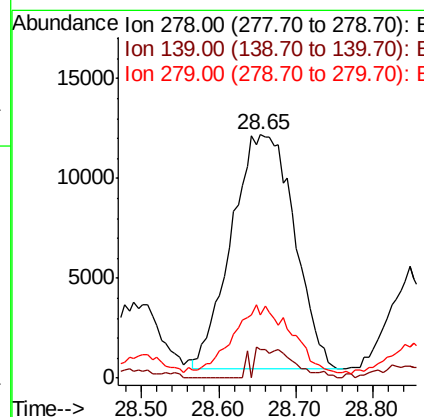
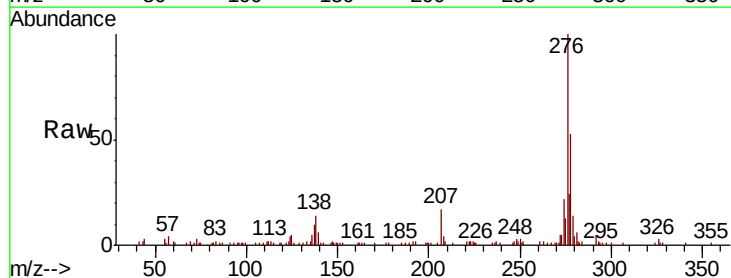
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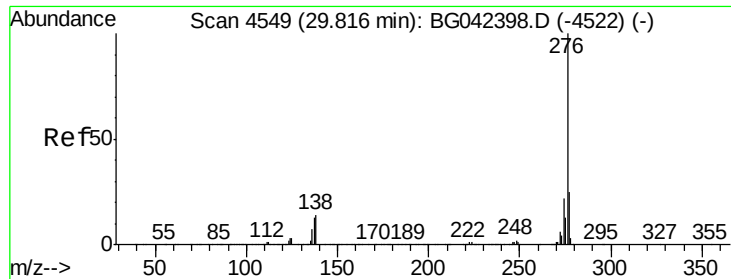
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#91
Dibenzo(a,h)anthracene
Concen: 3.326 ng
RT: 28.65 min Scan# 4351
Delta R.T. -0.06 min
Lab File: BG042518.D
Acq: 28 Aug 2019 00:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.7	8.8	13.2
279	26.1	19.1	28.7





#92
 Benzo(a,h,i)perylene
 Concen: 9.822 ng
 RT: 29.77 min Scan# 4541
 Delta R.T. -0.04 min
 Lab File: BG042518.D
 Acq: 28 Aug 2019 00:00

Instrument :
 BNA_G
 ClientSampleId :
 T1-S-S-E

Tot Ion:	276	Resp:	195604
Ion Ratio		Lower	Upper
276	100		
277	23.5	19.8	29.8
138	13.5	11.4	17.0

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