

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082919\
 Data File : BG042565.D
 Acq On : 29 Aug 2019 14:59
 Operator : HP/JU
 Sample : K4574-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S702B-N-0.0-0.5-082719

Manual Integrations
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Jagrut
 8/30/2019 7:57:42 PM

Quant Time: Aug 29 15:42:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	28339	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	112626	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	92399	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	219754	20.00	ng	0.00
76) Chrysene-d12	21.69	240	246002	20.00	ng	0.00
87) Perylene-d12	24.95	264	296381	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	167323	119.58	ng	0.00
7) Phenol-d6	7.16	99	230799	122.11	ng	0.00
23) Nitrobenzene-d5	9.17	82	129363	79.37	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	172769	131.55	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	442181	80.94	ng	0.00
79) Terphenyl-d14	20.03	244	844316	74.20	ng	0.00
Target Compounds						
10) Phenol	7.19	94	12892	6.709	ng	Qvalue 83
50) Dimethylphthalate	14.11	163	45847	6.877	ng	97
52) Acenaphthene	14.73	154	12474	2.651	ng	92
58) Fluorene	15.71	166	18038	2.833	ng	99
71) Phenanthrene	17.46	178	290788	26.640	ng	100
72) Anthracene	17.55	178	61696	5.662	ng	98
73) Carbazole	17.82	167	34428	3.545	ng	98
74) Di-n-butylphthalate	18.37	149	123886	10.791	ng	98
75) Fluoranthene	19.47	202	453243	34.023	ng	96
78) Pyrene	19.83	202	371571	24.636	ng	97
81) Benzo(a)anthracene	21.68	228	184125	12.304	ng	99
83) Chrysene	21.74	228	199377m	13.815	ng	
86) Indeno(1,2,3-cd)pyrene	28.67	276	123244	6.284	ng	95
88) Benzo(b)fluoranthene	23.92	252	263659	16.181	ng	99
89) Benzo(k)fluoranthene	23.97	252	83632m	5.340	ng	
90) Benzo(a)pyrene	24.80	252	177307	11.468	ng	99
92) Benzo(a,h,i)perylene	29.83	276	115638	7.386	ng	# 92

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

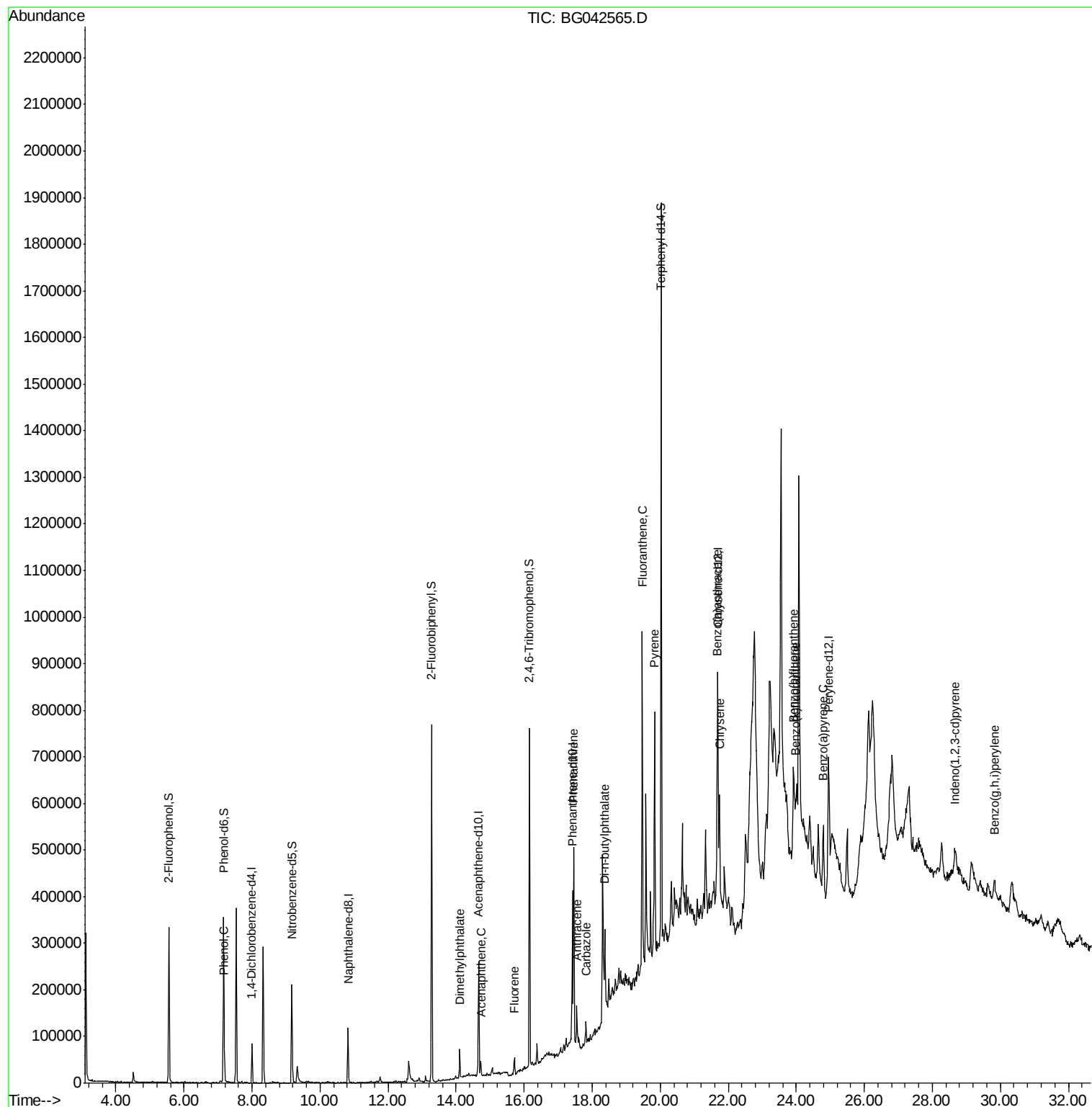
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082919\
Data File : BG042565.D
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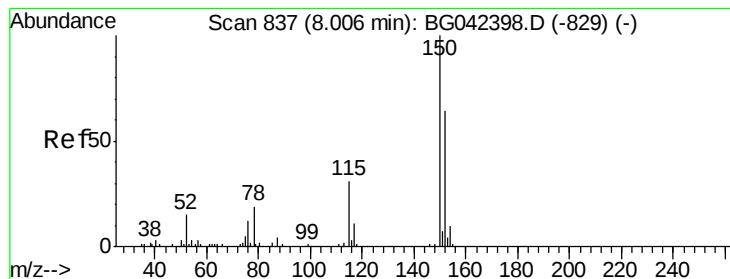
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
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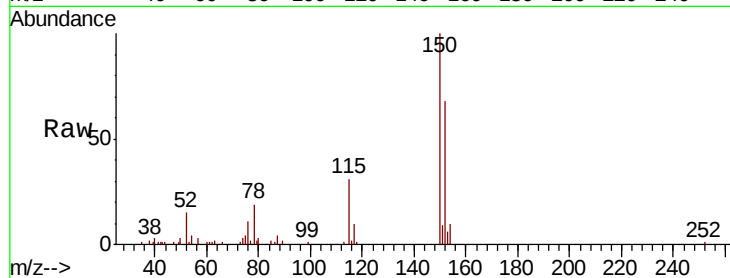
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.00 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BG042565.D
 Acq: 29 Aug 2019 14:59

Instrument :
 BNA_G
 ClientSampleId :
 S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.5	125.4	188.0
115	45.7	38.5	57.7

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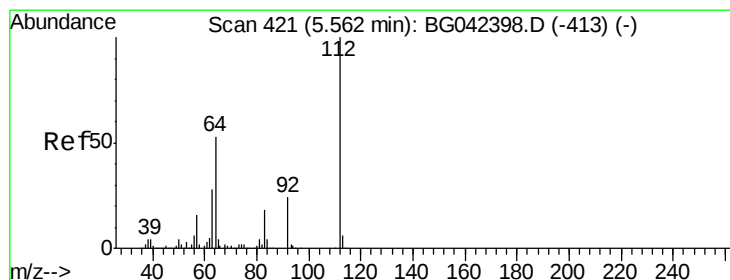
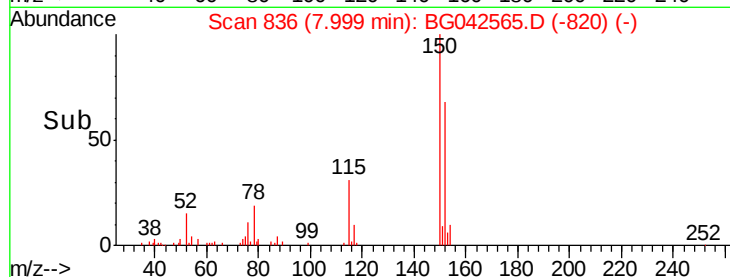
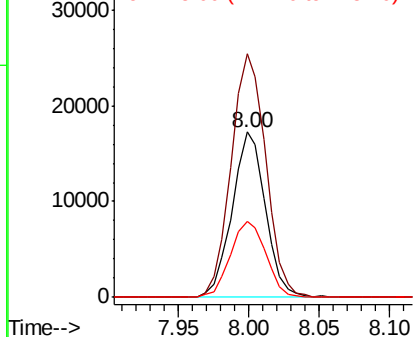


Abundance

Ion 152.00 (151.70 to 152.70): E

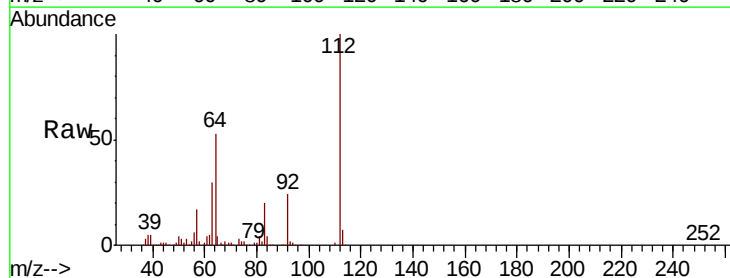
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 119.580 ng
 RT: 5.55 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BG042565.D
 Acq: 29 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.8	64.2
63	29.9	22.7	34.1

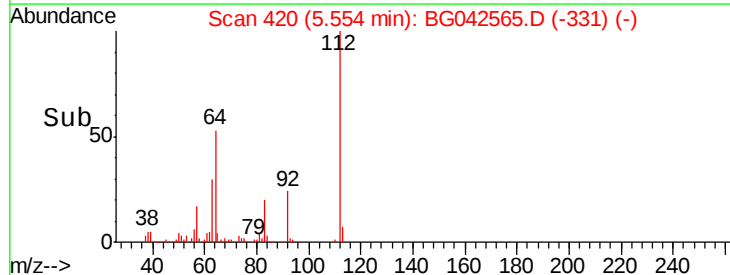
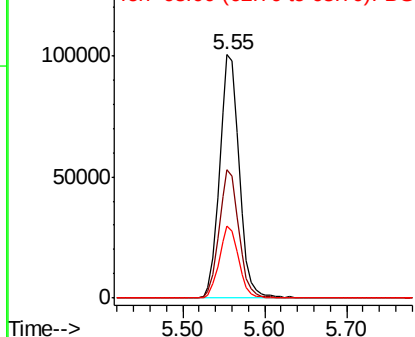


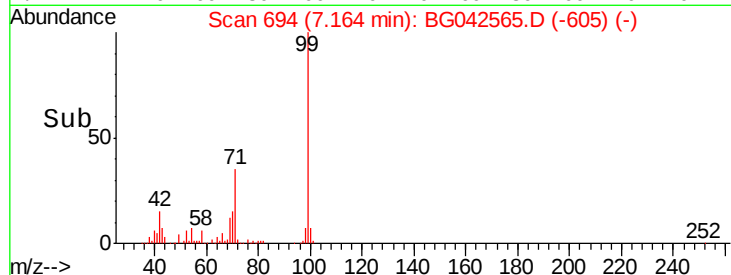
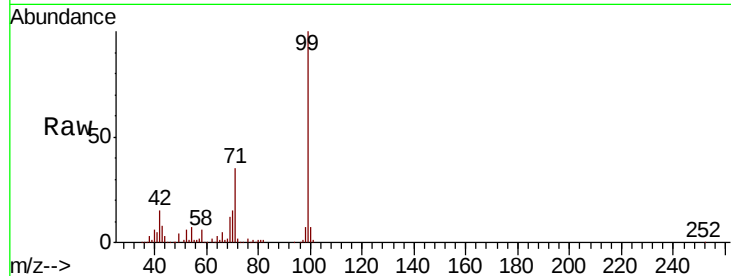
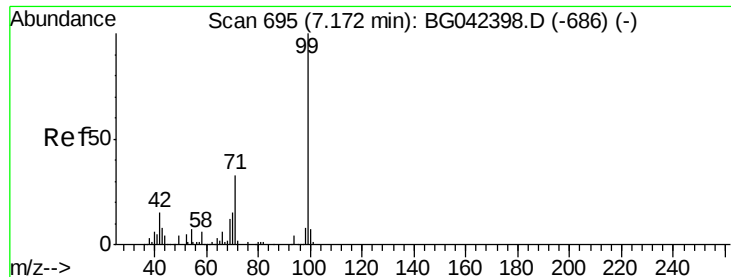
Abundance

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: 122.111 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042565.D

Acq: 29 Aug 2019 14:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	99	100	230799		
42	42	14.8		12.0	18.0
71	71	35.2		26.3	39.5

Instrument :

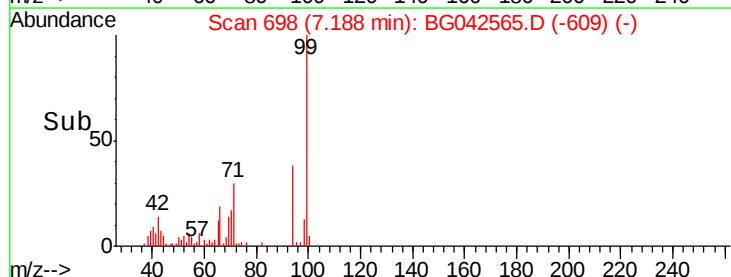
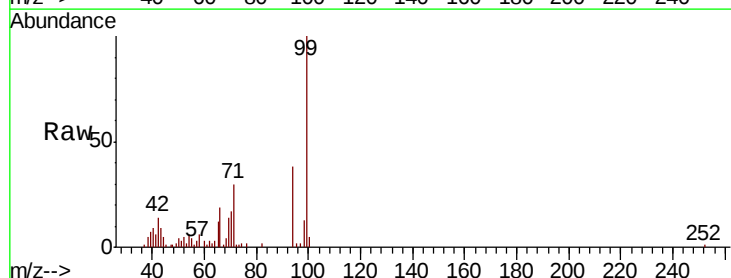
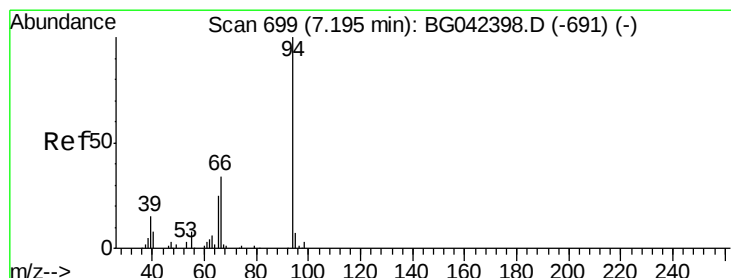
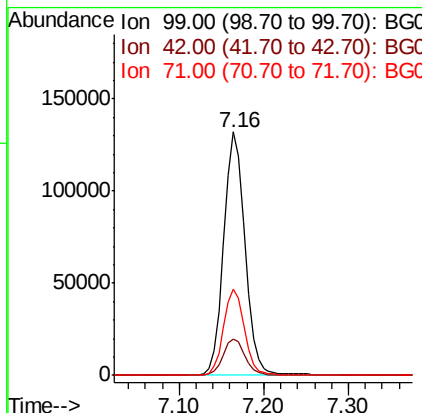
BNA_G

ClientSampleId :

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#10

Phenol

Concen: 6.709 ng

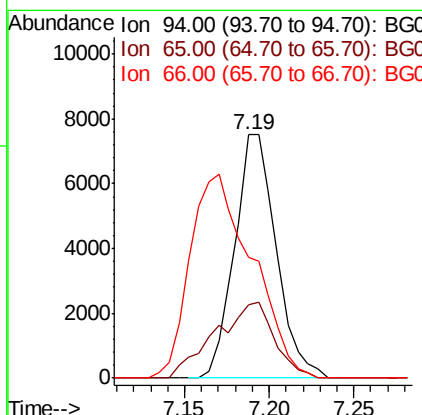
RT: 7.19 min Scan# 698

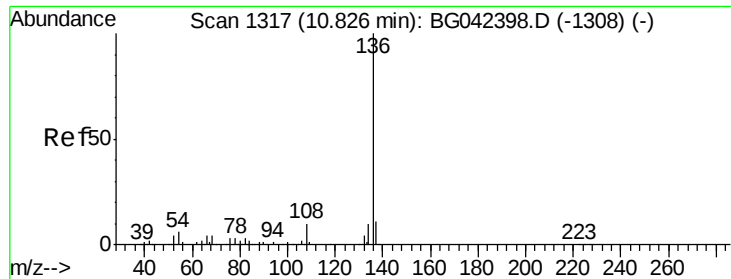
Delta R.T. -0.01 min

Lab File: BG042565.D

Acq: 29 Aug 2019 14:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	94	100	12892		
65	65	30.3		5.6	45.6
66	66	49.6		16.0	56.0





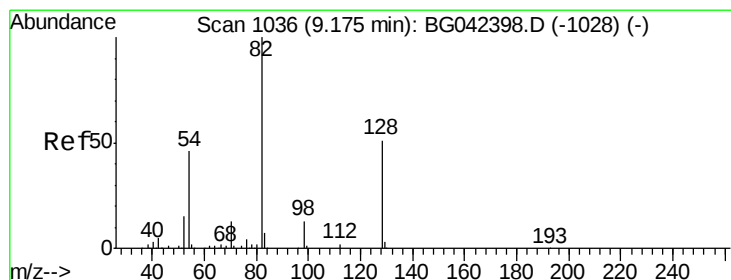
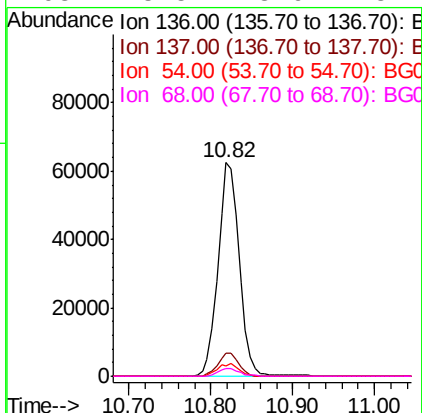
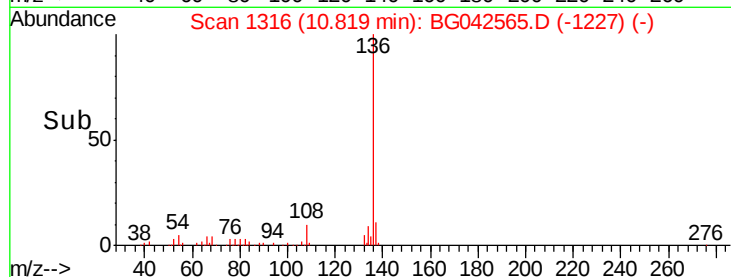
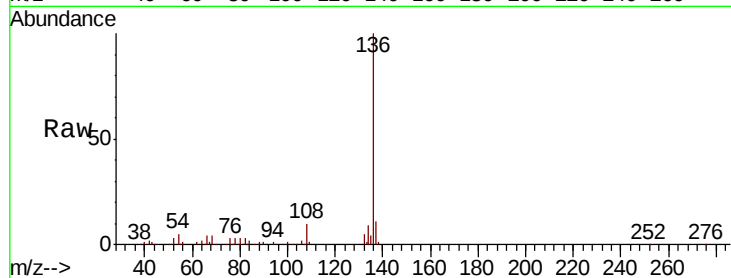
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Instrument :
BNA_G
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.7	13.1	
54	5.0	4.9	7.3	
68	3.5	3.6	5.4	

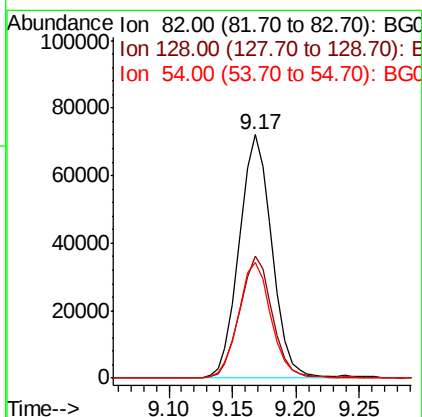
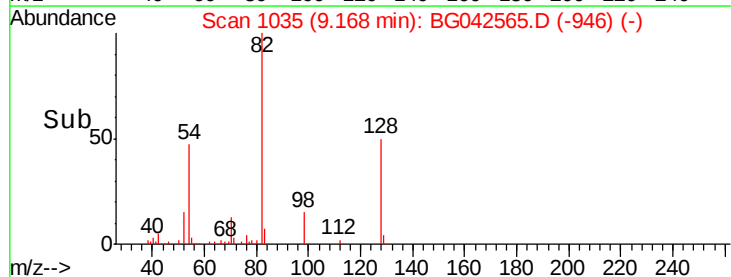
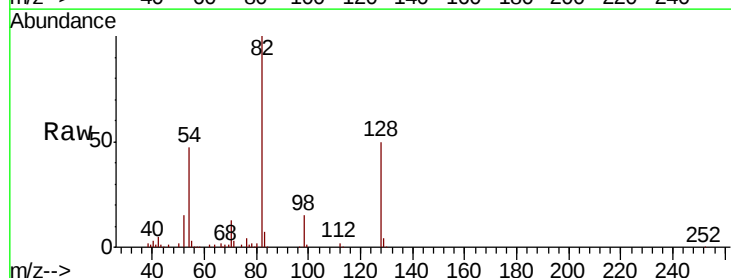
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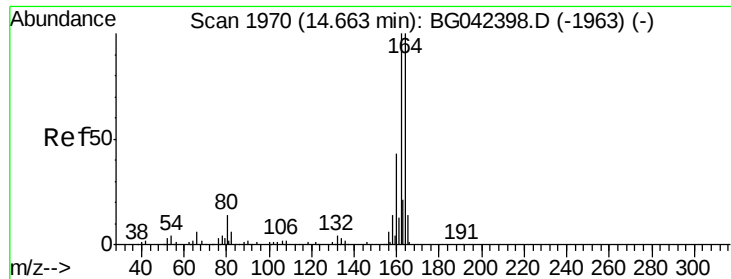
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#23
Nitrobenzene-d5
Concen: 79.373 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.9	40.7	61.1	
54	47.4	36.3	54.5	





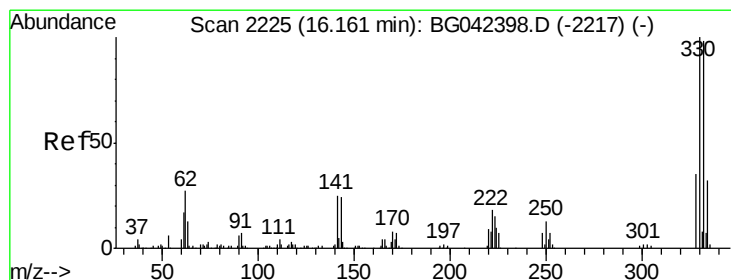
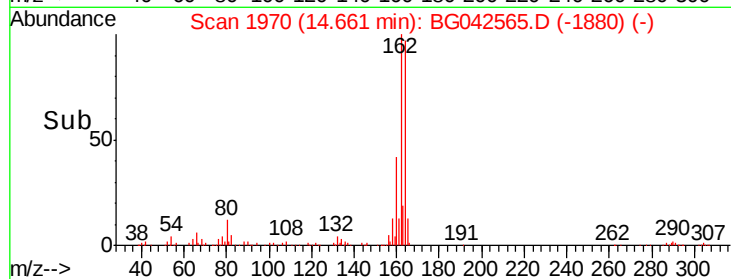
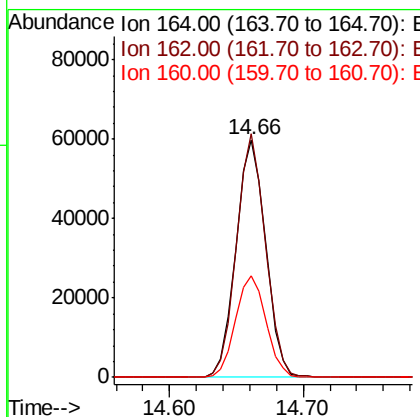
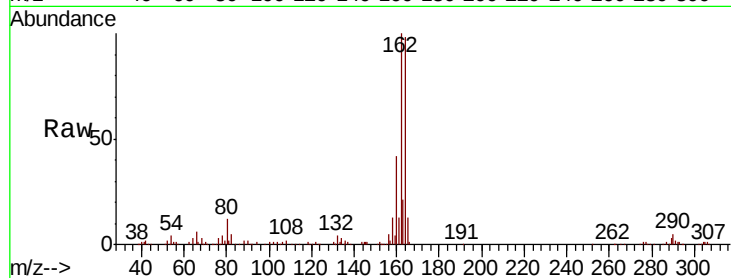
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Instrument :
BNA_G
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	79.9	119.9
160	42.9	34.3	51.5

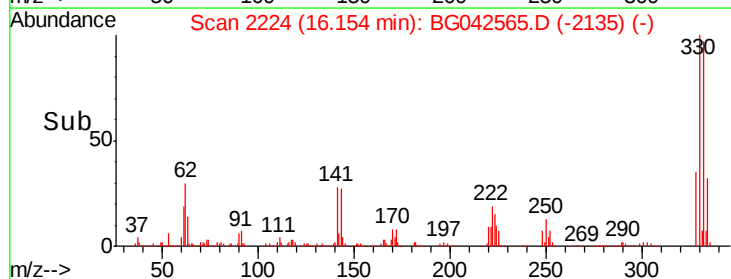
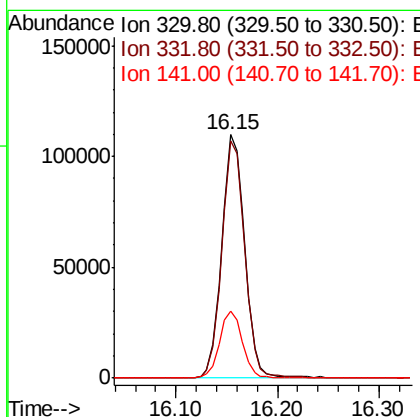
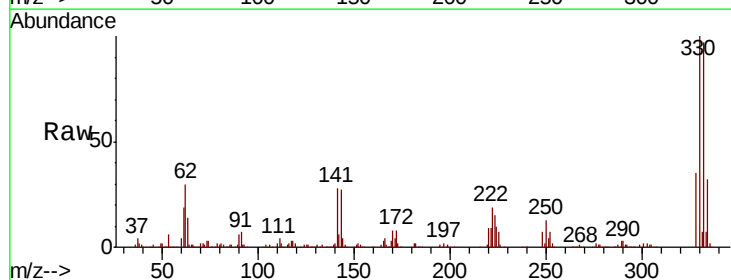
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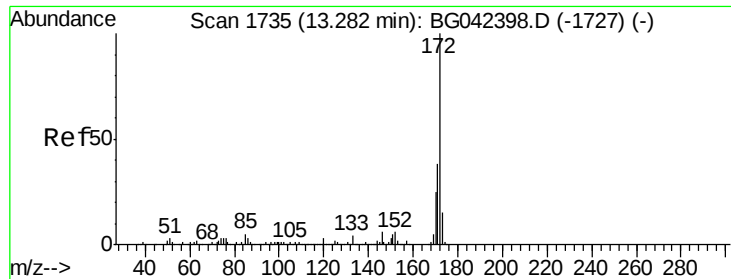
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#42
2,4,6-Tribromophenol
Concen: 131.553 ng
RT: 16.15 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.0
141	27.4	21.4	32.0





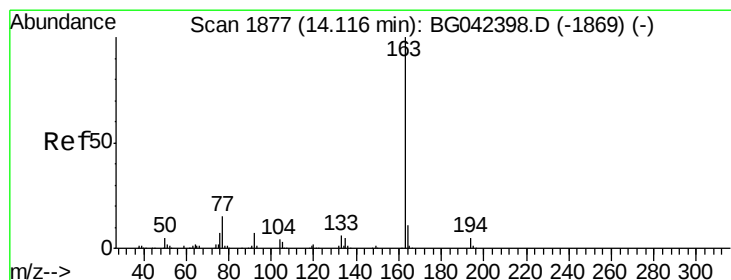
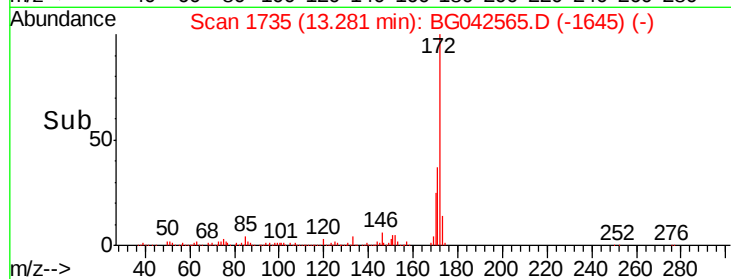
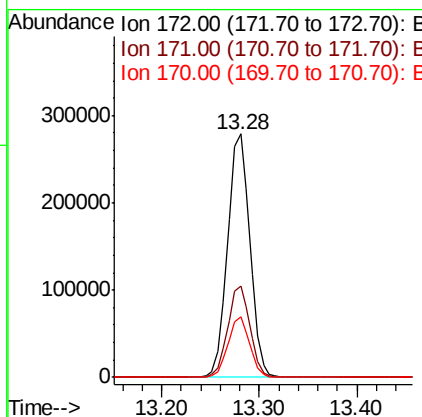
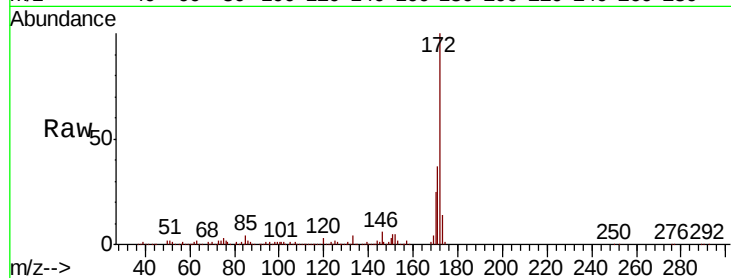
#45
2-Fluorobiphenyl
Concen: 80.937 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Instrument :
BNA_G
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.5	45.7
170	25.0	20.2	30.2

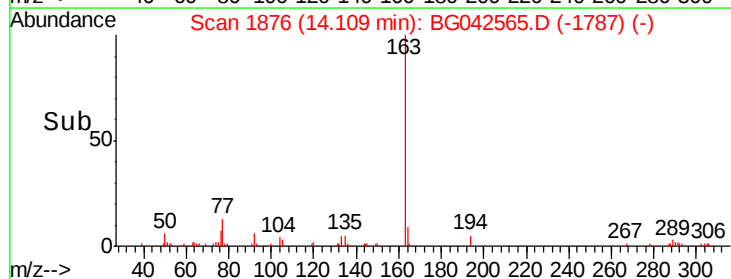
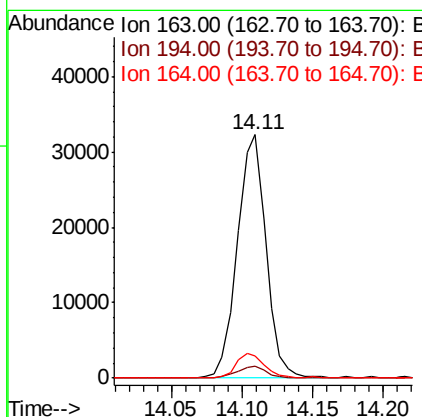
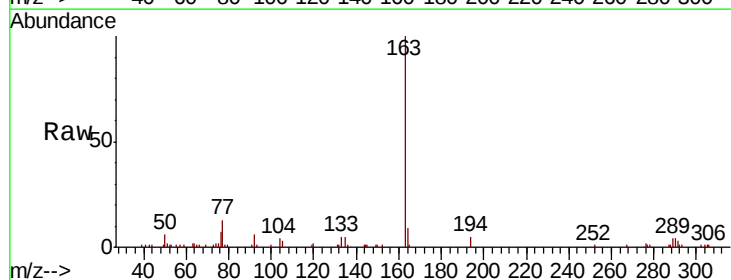
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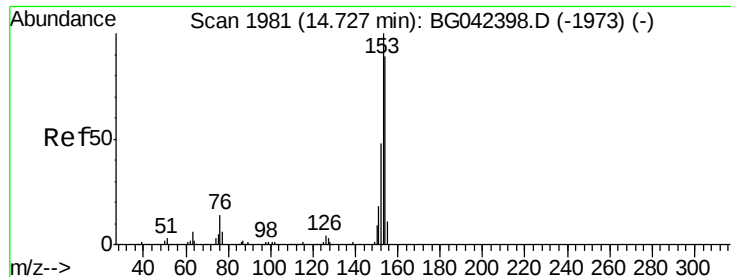
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#50
Dimethylphthalate
Concen: 6.877 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	4.2	6.2
164	9.4	8.8	13.2





#52

Acenaphthene

Concen: 2.651 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.00 min

Lab File: BG042565.D

Acq: 29 Aug 2019 14:59

Instrument :

BNA_G

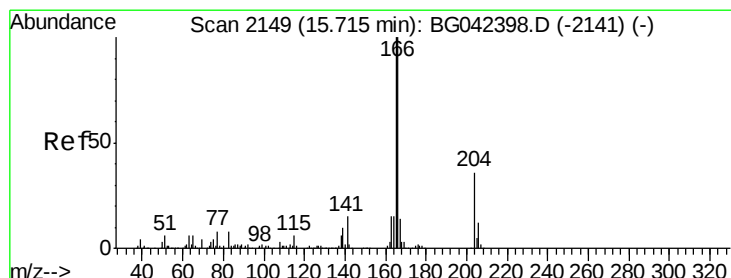
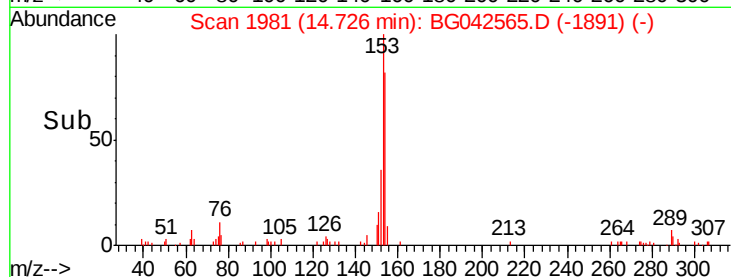
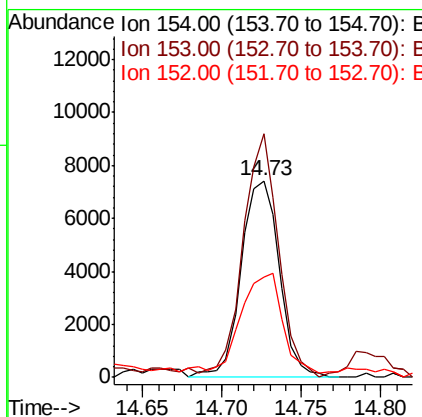
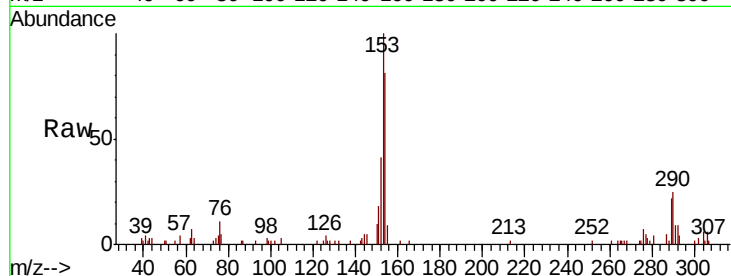
ClientSampleId :

S702B-N-0.0-0.5-082719

Tot Ion:	154	Resp:	12474
Ion Ratio	Lower	Upper	
154	100		
153	123.9	90.2	135.4
152	51.2	43.2	64.8

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#58

Fluorene

Concen: 2.833 ng

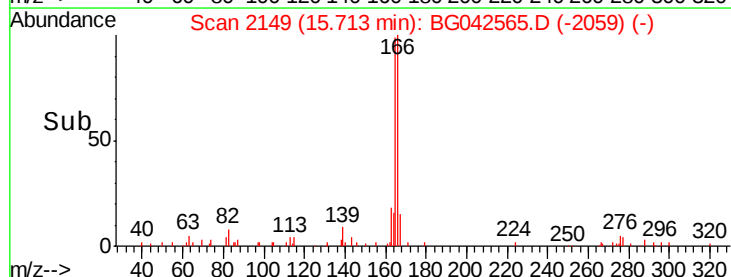
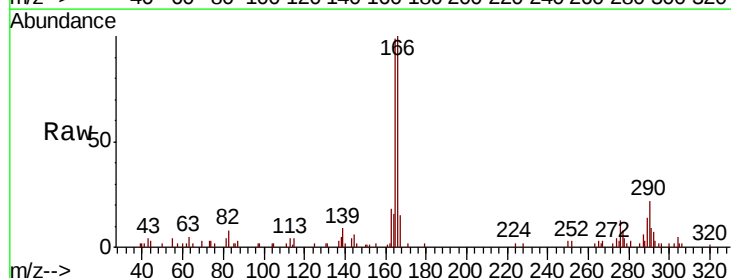
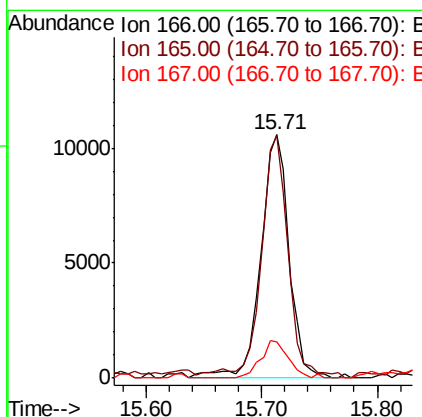
RT: 15.71 min Scan# 2149

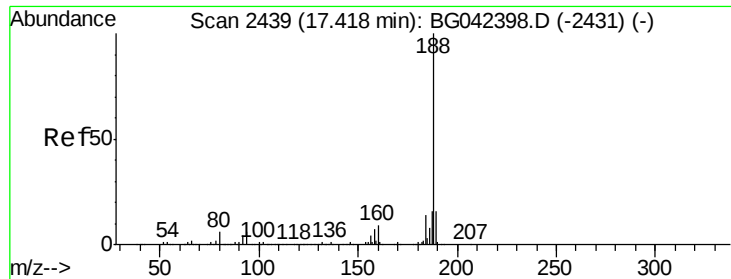
Delta R.T. -0.00 min

Lab File: BG042565.D

Acq: 29 Aug 2019 14:59

Tgt Ion:	166	Resp:	18038
Ion Ratio	Lower	Upper	
166	100		
165	99.4	79.7	119.5
167	15.0	10.9	16.3





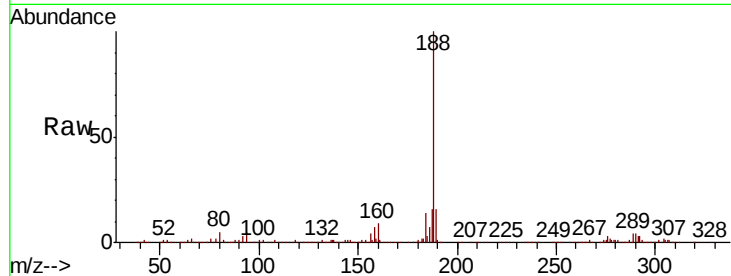
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Instrument :
BNA_G
ClientSampleId :
S702B-N-0.0-0.5-082719

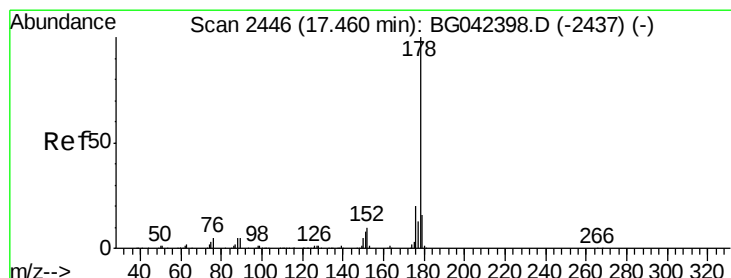
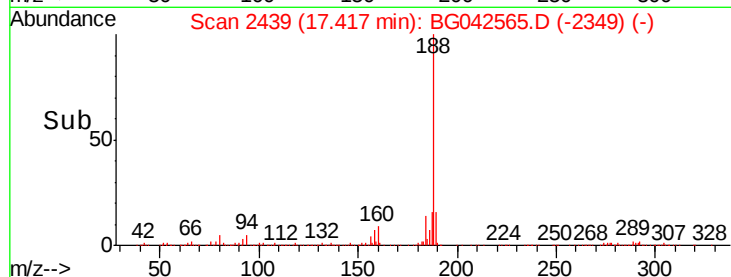
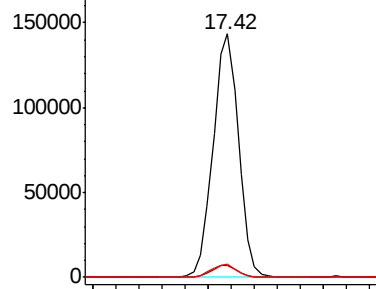
Tot Ion	188	Resp	219754
Ion Ratio	Lower	Upper	
188	100		
94	5.2	4.5	6.7
80	5.4	4.9	7.3

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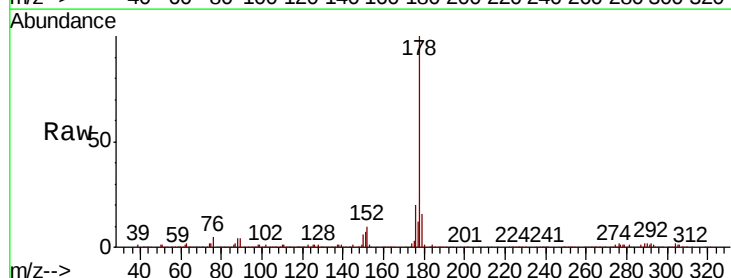


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

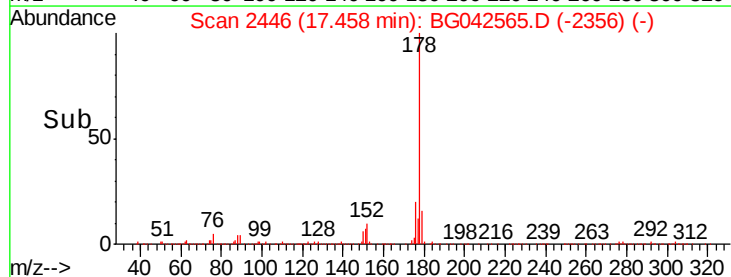
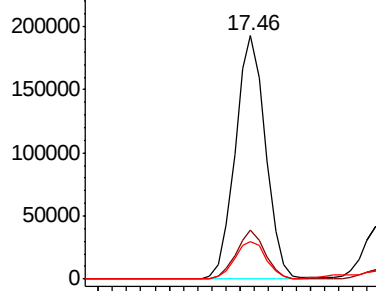


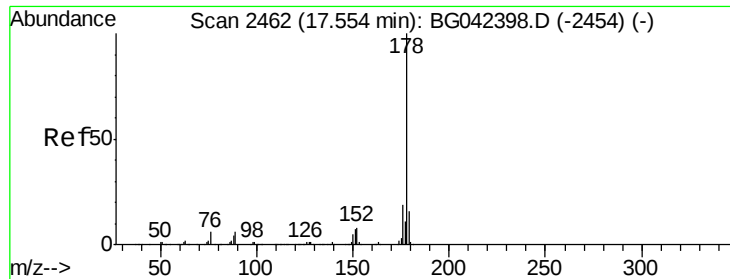
#71
Phenanthrene
Concen: 26.640 ng
RT: 17.46 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Tgt Ion	178	Resp	290788
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.9	23.9
179	15.7	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: 5.662 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG042565.D

Acq: 29 Aug 2019 14:59

Instrument :

BNA_G

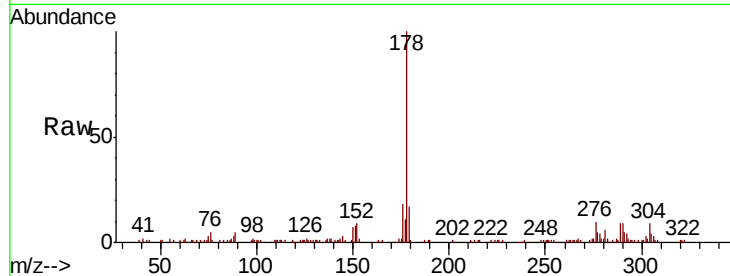
ClientSampleId :

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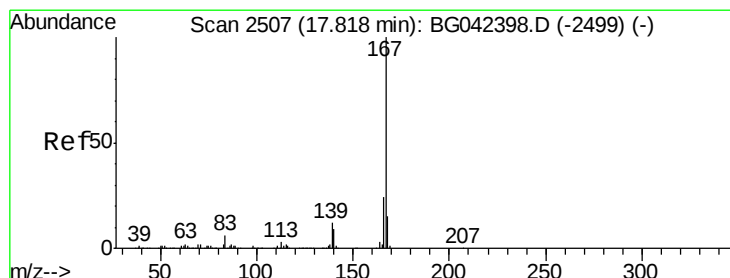
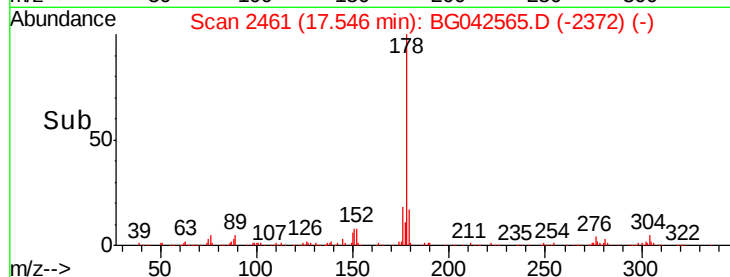
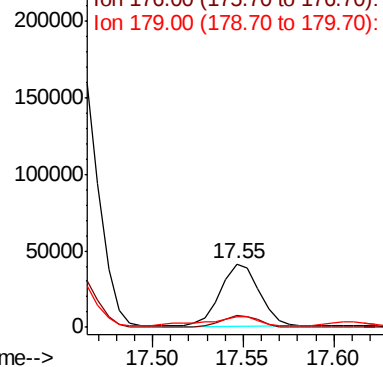
Tot Ion:178	Resp:	61696
Ion Ratio	Lower	Upper
178	100	
176	18.3	15.5 23.3
179	16.6	12.9 19.3

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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: 3.545 ng

RT: 17.82 min Scan# 2507

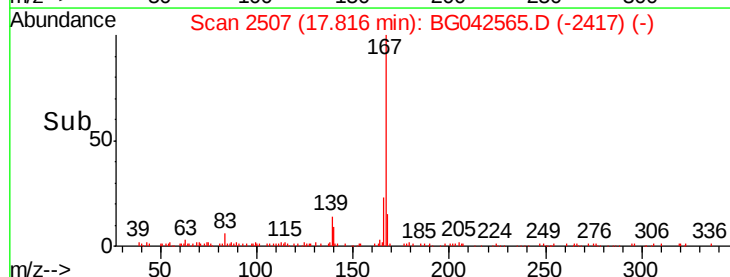
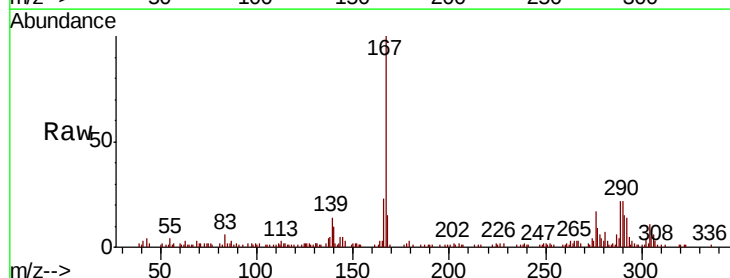
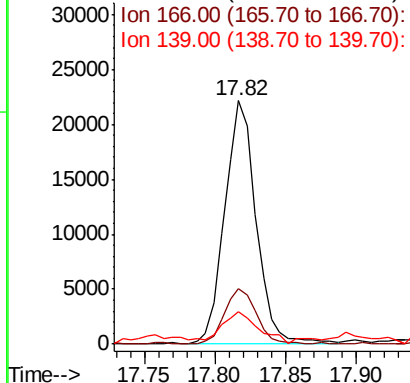
Delta R.T. -0.00 min

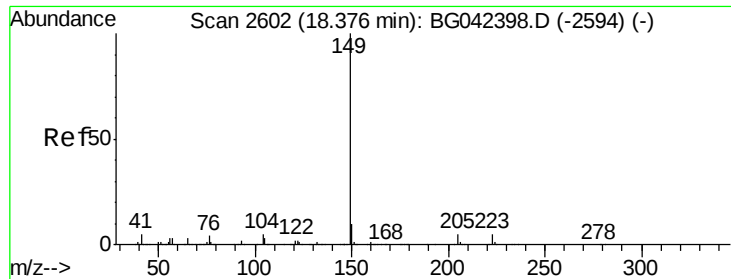
Lab File: BG042565.D

Acq: 29 Aug 2019 14:59

Tgt Ion:167	Resp:	34428
Ion Ratio	Lower	Upper
167	100	
166	22.9	18.9 28.3
139	13.5	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





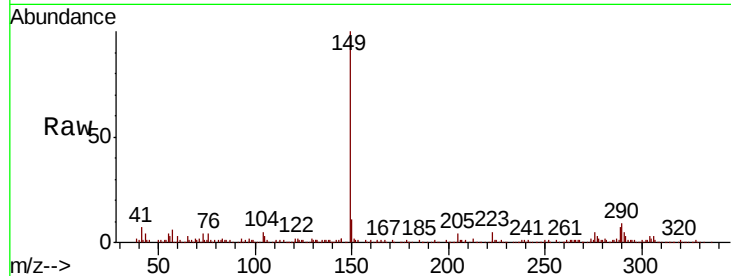
#74
Di-n-butylphthalate
Concen: 10.791 ng
RT: 18.37 min Scan# 2602
Delta R.T. -0.00 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Instrument :
BNA_G
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	10.9	8.1	12.1	
104	4.7	3.7	5.5	

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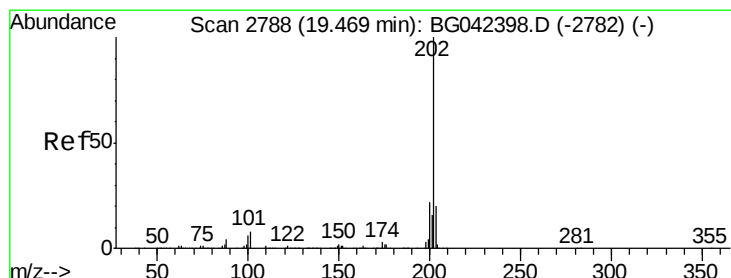
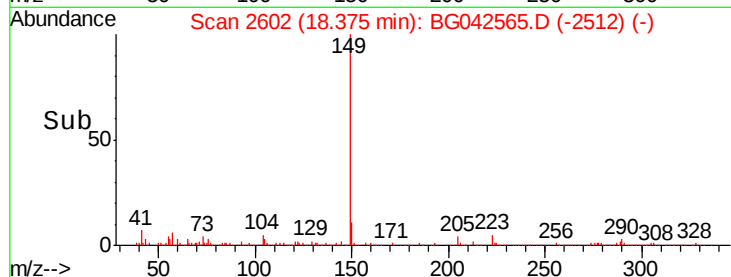
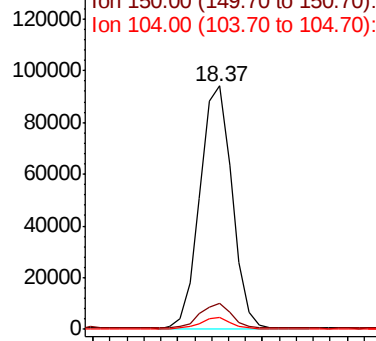


Abundance

Ion 149.00 (148.70 to 149.70): E

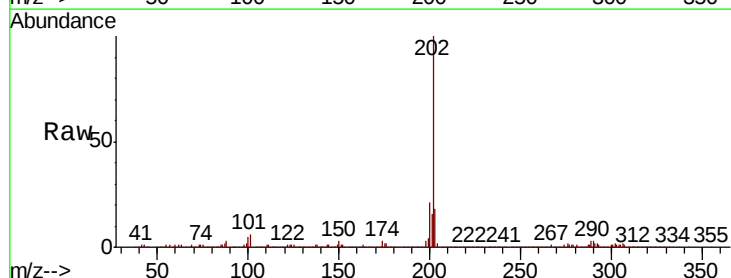
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75
Fluoranthene
Concen: 34.023 ng
RT: 19.47 min Scan# 2789
Delta R.T. 0.00 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	6.1	0.0	28.3	
203	18.4	0.0	39.6	

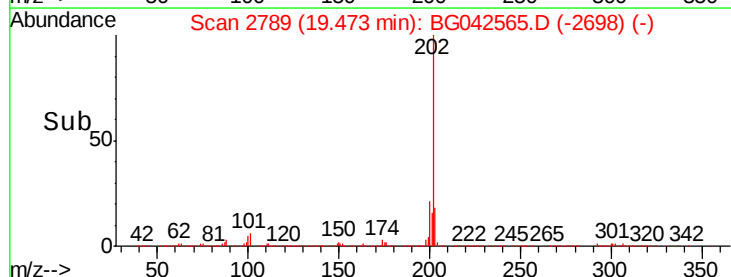
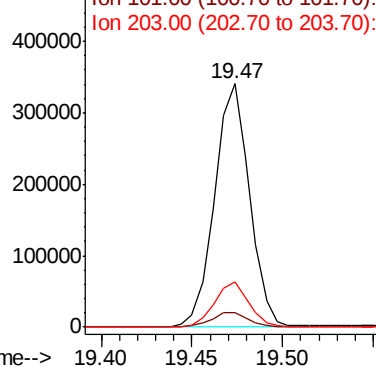


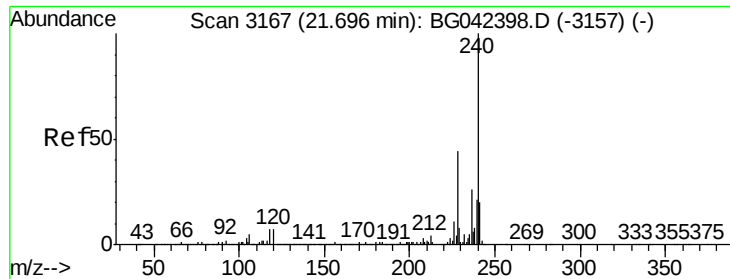
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





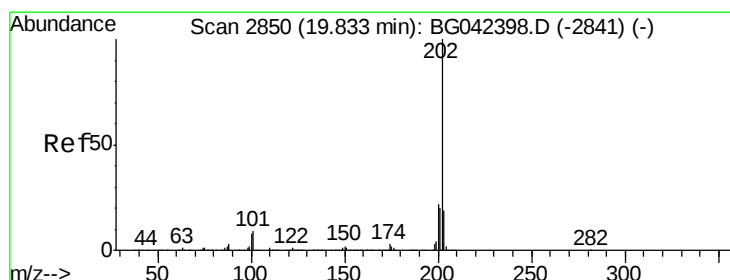
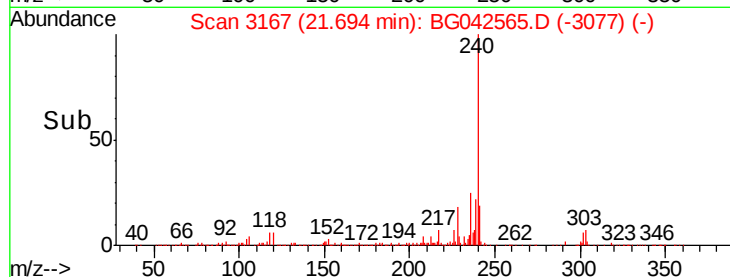
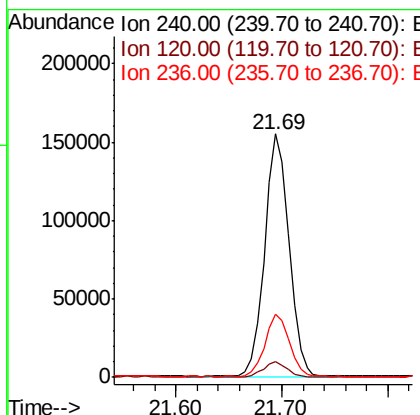
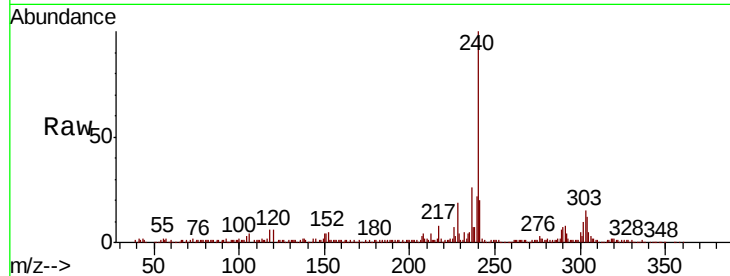
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Instrument :
BNA_G
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.5	5.7	8.5
236	25.7	21.0	31.4

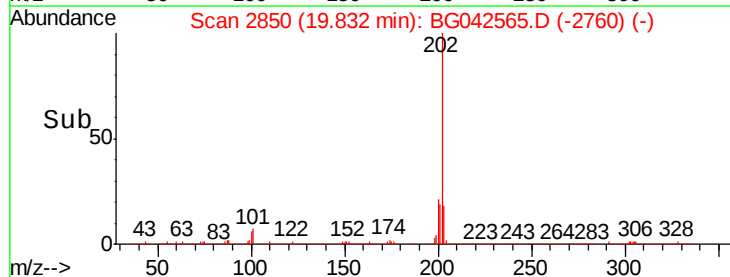
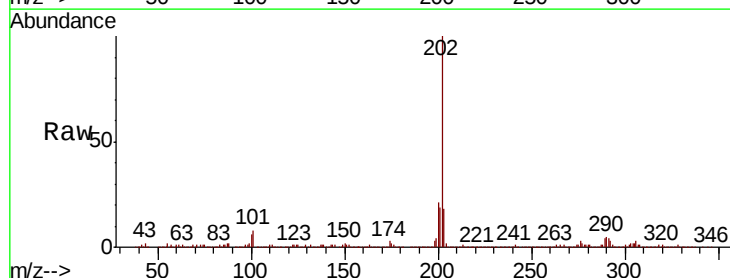
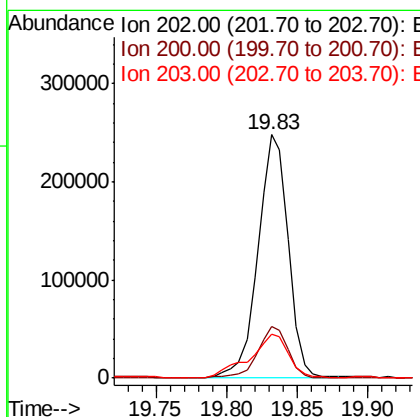
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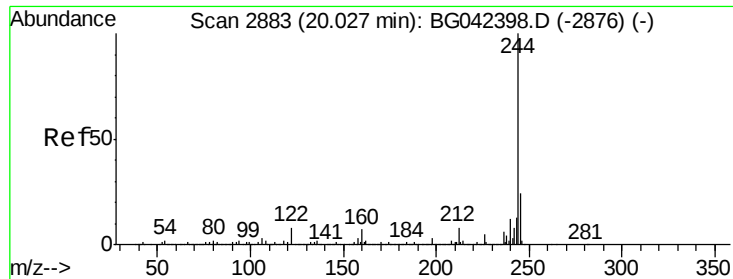
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#78
Pyrene
Concen: 24.636 ng
RT: 19.83 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.6
203	18.2	15.5	23.3





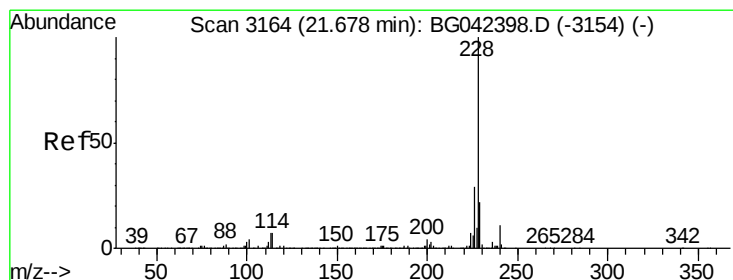
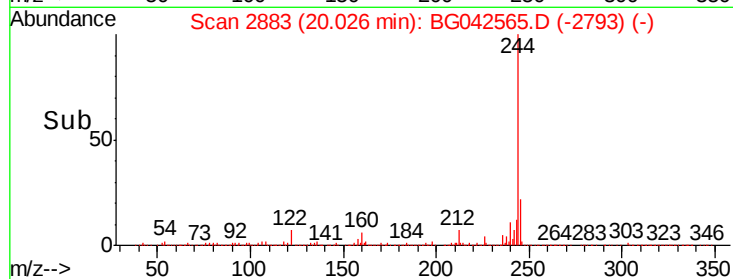
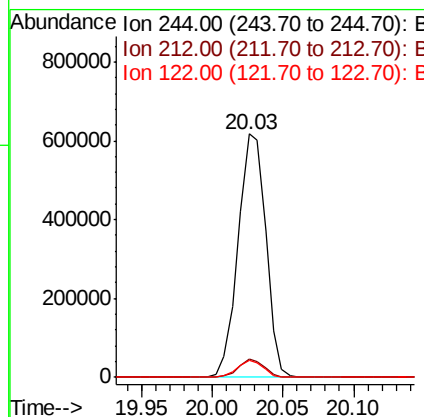
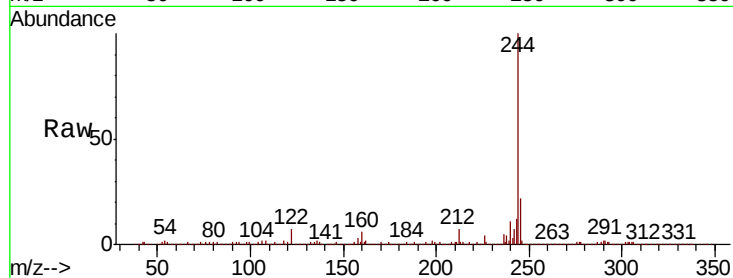
#79
 Terphenyl-d14
 Concen: 74.200 ng
 RT: 20.03 min Scan# 2883
 Delta R.T. -0.00 min
 Lab File: BG042565.D
 Acq: 29 Aug 2019 14:59

Instrument :
 BNA_G
 ClientSampleId :
 S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	7.1	6.7	10.1

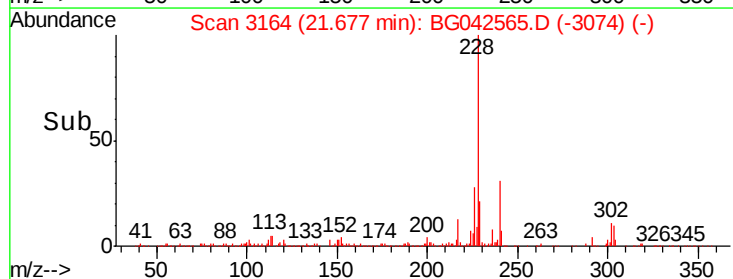
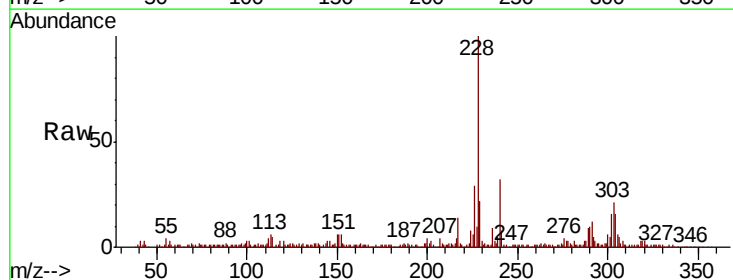
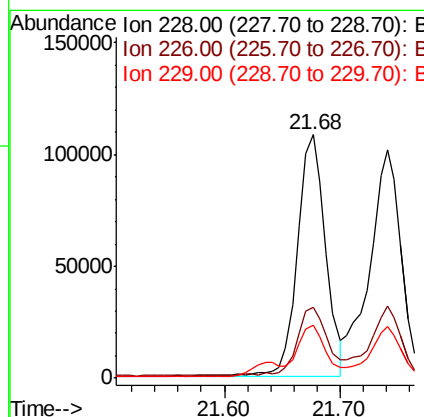
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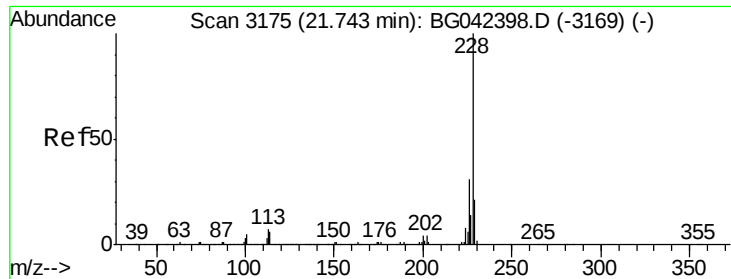
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#81
 Benzo(a)anthracene
 Concen: 12.304 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.00 min
 Lab File: BG042565.D
 Acq: 29 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.4	35.2
229	21.7	17.4	26.2





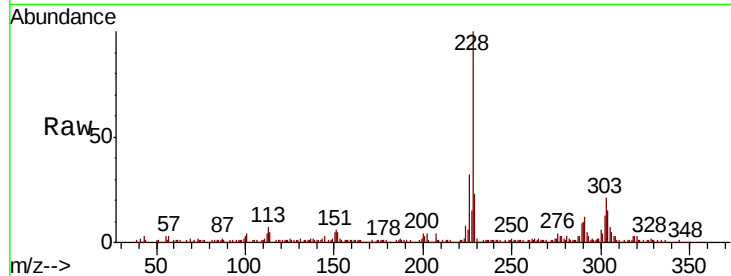
#83
Chrysene
Concen: 13.815 ng/ml
RT: 21.74 min Scan# 3175
Delta R.T. -0.00 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Instrument :
BNA_G
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.9	37.3
229	22.7	16.9	25.3

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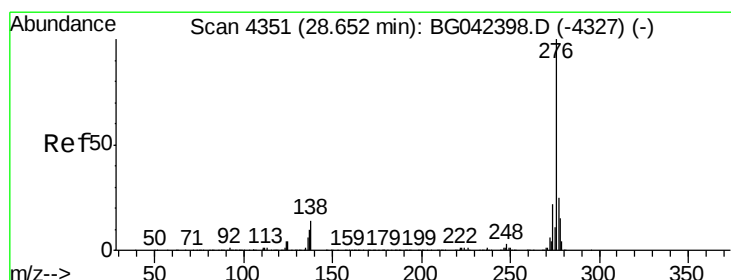
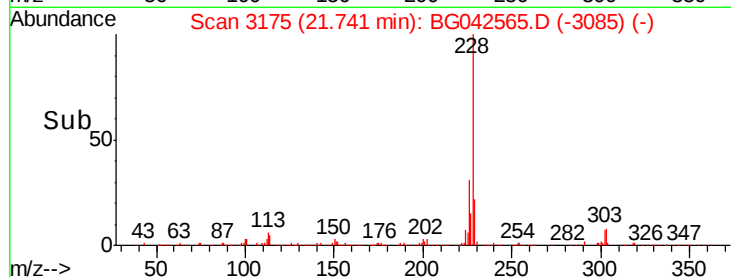
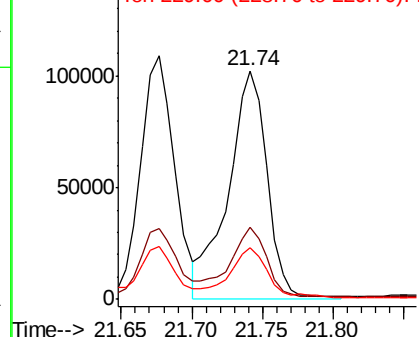


Abundance

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: 6.284 ng
RT: 28.67 min Scan# 4354
Delta R.T. 0.02 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

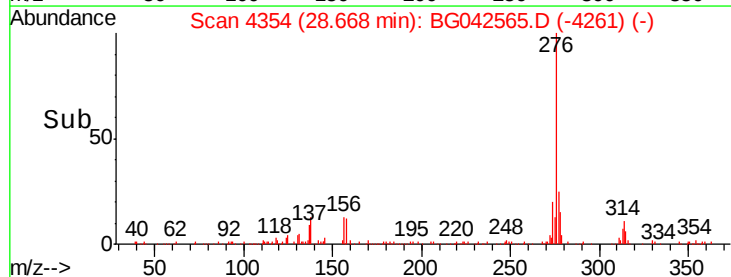
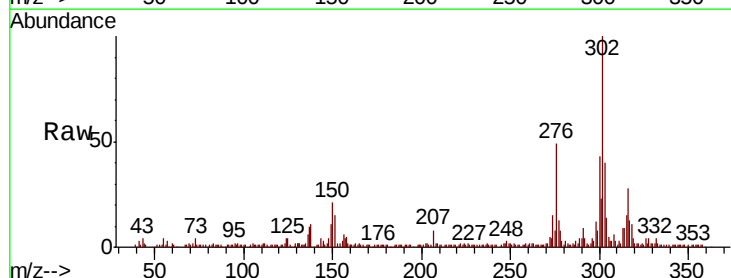
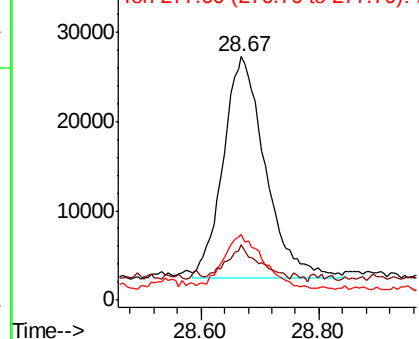
Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.5	9.2	13.8
277	22.9	21.0	31.6

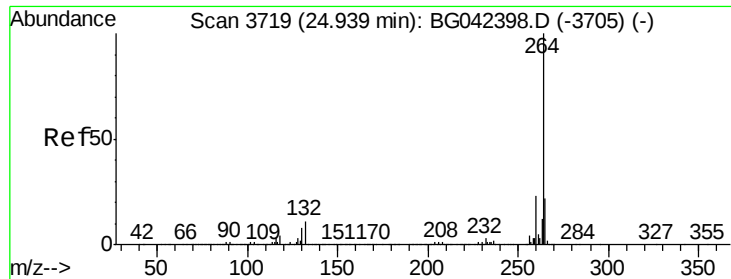
Abundance

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





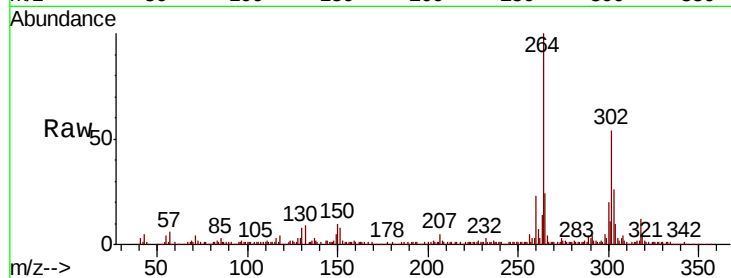
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.95 min Scan# 3721
Delta R.T. 0.01 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Instrument :
BNA_G
ClientSampleId :
S702B-N-0.0-0.5-082719

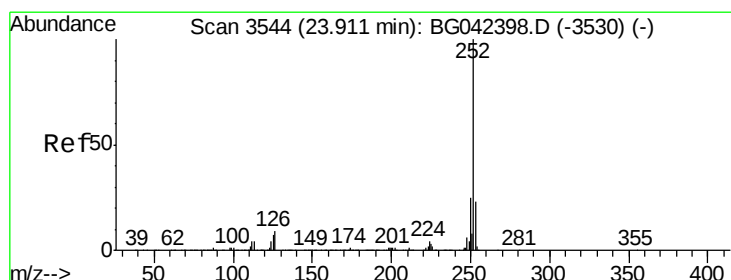
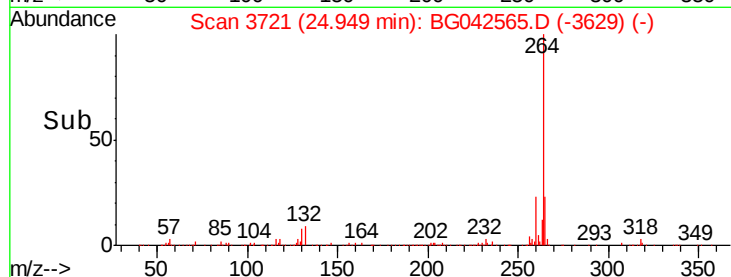
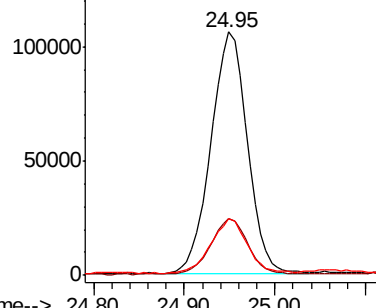
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	23.5	17.6	26.4

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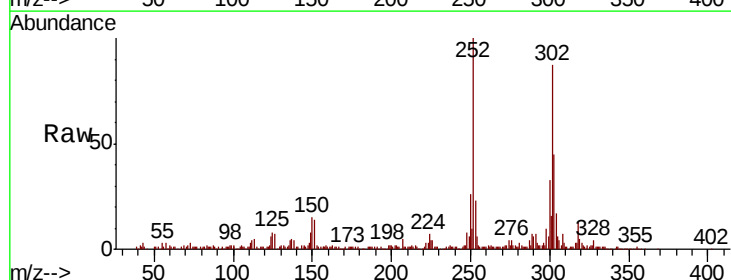


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

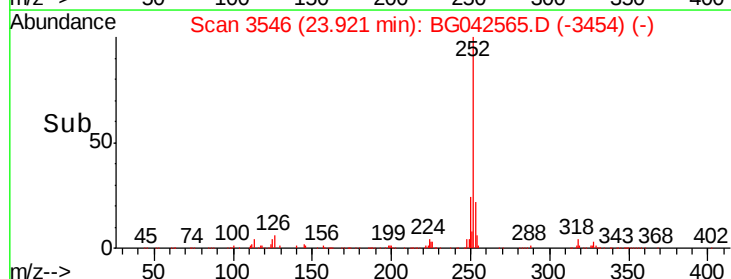
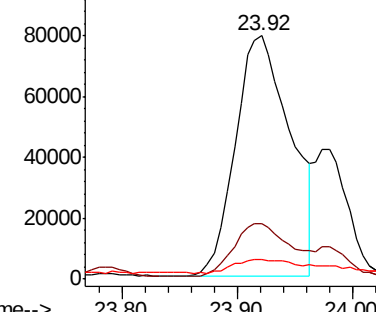


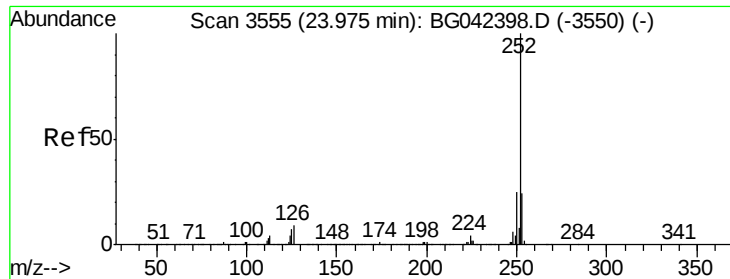
#88
Benzo(b)fluoranthene
Concen: 16.181 ng
RT: 23.92 min Scan# 3546
Delta R.T. 0.01 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.6	27.8
125	7.9	5.6	8.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





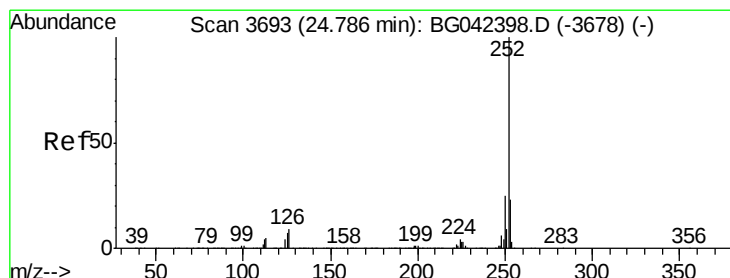
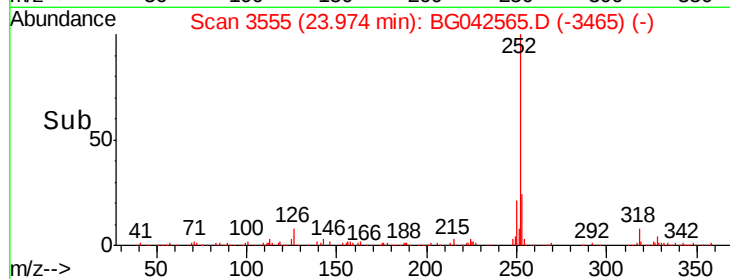
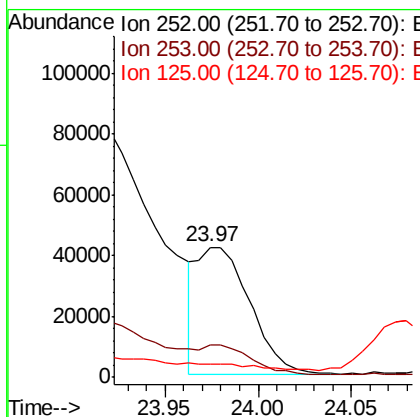
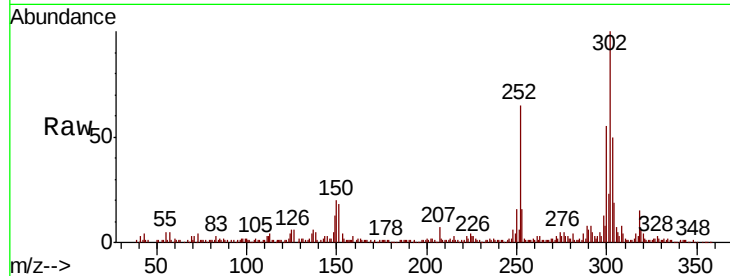
#89
Benzo(k)fluoranthene
Concen: 5.340 ng m
RT: 23.97 min Scan# 3555
Delta R.T. -0.00 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Instrument :
BNA_G
ClientSampleId :
S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.6	27.8
125	10.0	5.8	8.6

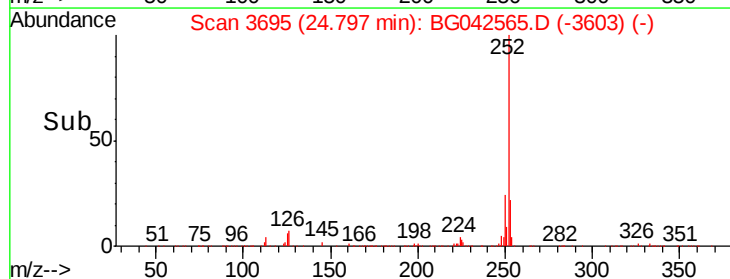
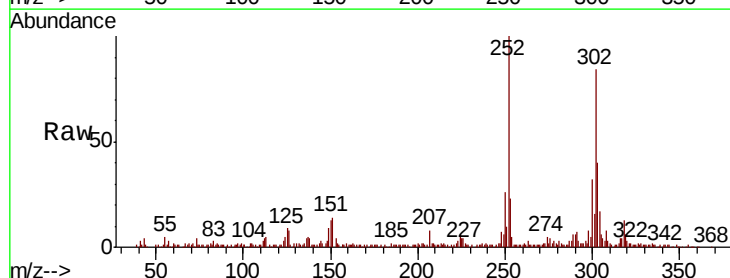
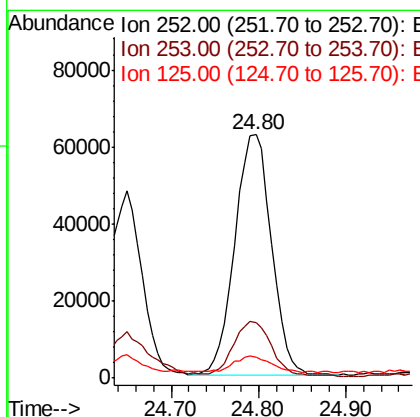
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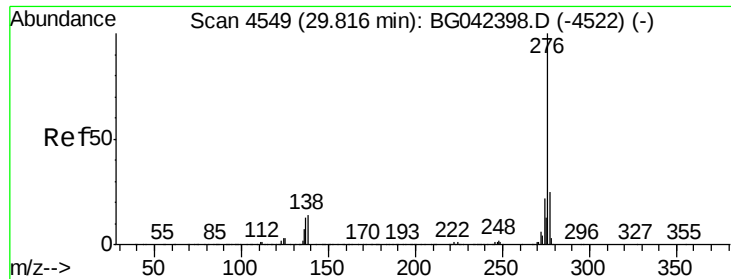
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#90
Benzo(a)pyrene
Concen: 11.468 ng
RT: 24.80 min Scan# 3695
Delta R.T. 0.01 min
Lab File: BG042565.D
Acq: 29 Aug 2019 14:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	8.7	6.0	9.0





#92
 Benzo(a,h,i)perylene
 Concen: 7.386 ng
 RT: 29.83 min Scan# 4551
 Delta R.T. 0.01 min
 Lab File: BG042565.D
 Acq: 29 Aug 2019 14:59

Instrument :
 BNA_G
 ClientSampleId :
 S702B-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.8	29.8
138	22.3	11.4	17.0

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