

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
 Data File : BG038809.D
 Acq On : 22 Dec 2018 9:20
 Operator : JU/SJ
 Sample : J6386-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-SS007-1218-01

Manual Integrations
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Sohil
 12/26/2018 3:17:33 PM

Quant Time: Dec 24 04:38:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	31971	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	131239	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	82465	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	178628	20.00	ng	0.00
76) Chrysene-d12	21.73	240	184796	20.00	ng	0.00
87) Perylene-d12	25.04	264	190079	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	204538	113.47	ng	0.00
7) Phenol-d6	7.22	99	293129	118.46	ng	0.01
23) Nitrobenzene-d5	9.24	82	184965	72.00	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	138977	122.28	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	464172	77.22	ng	0.00
79) Terphenyl-d14	20.04	244	605364	71.29	ng	0.00

Target Compounds

						Qvalue
10) Phenol	7.24	94	37552	14.284	ng	92
17) 2-Methylphenol	8.51	107	4129	2.344	ng	90
20) 3+4-Methylphenols	8.83	107	16154	6.641	ng	92
27) 2,4-Dimethylphenol	10.04	122	7174	3.763	ng	97
30) 1,2,4-Trichlorobenzene	10.74	180	18363	7.169	ng	98
49) Acenaphthylene	14.42	152	19118	2.395	ng	96
50) Dimethylphthalate	14.14	163	26250	3.898	ng	# 98
71) Phenanthrene	17.49	178	93662	10.111	ng	99
75) Fluoranthene	19.50	202	77707	6.780	ng	97
78) Pyrene	19.86	202	137729	11.282	ng	98
81) Benzo(a)anthracene	21.71	228	54374	4.829	ng	96
83) Chrysene	21.78	228	58805	5.422	ng	98
86) Indeno(1,2,3-cd)pyrene	28.82	276	32771	2.570	ng	# 67
88) Benzo(b)fluoranthene	23.98	252	51291m	4.915	ng	
90) Benzo(a)pyrene	24.88	252	54619	5.425	ng	# 97
92) Benzo(g,h,i)perylene	30.02	276	46103	4.667	ng	98

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

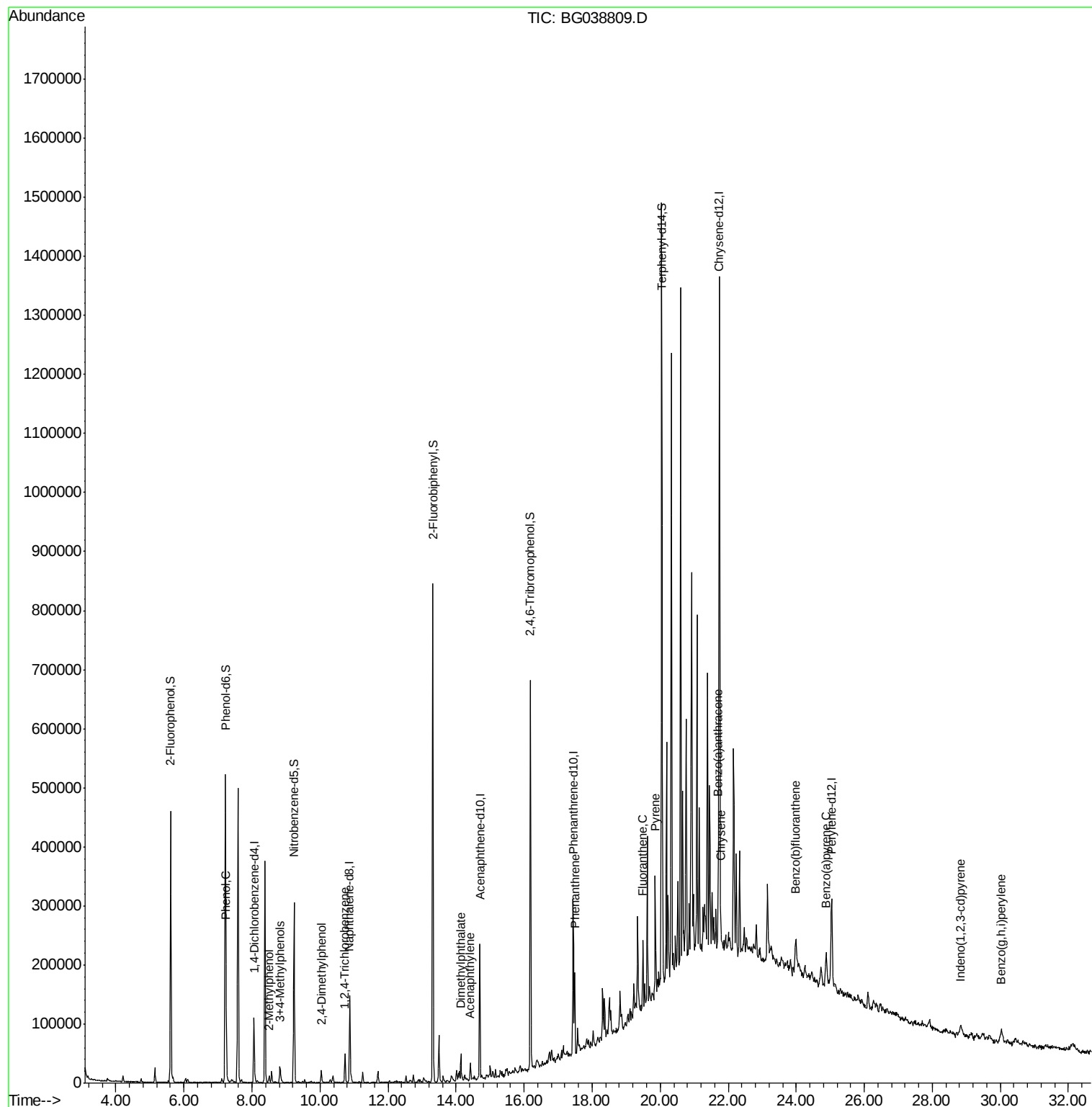
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
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#1

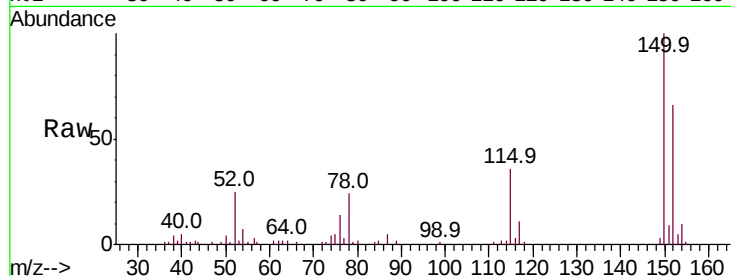
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Instrument :
BNA_G
ClientSampleId :
P001-SS007-1218-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	119.5	179.3
115	53.9	49.6	74.4

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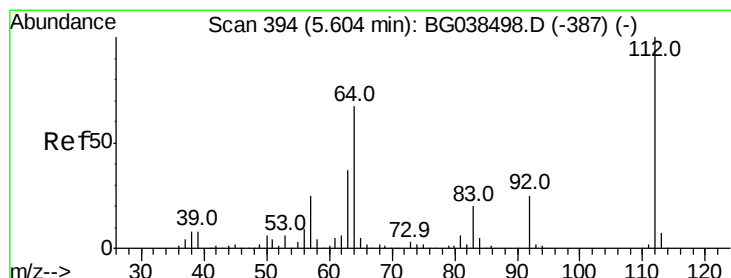
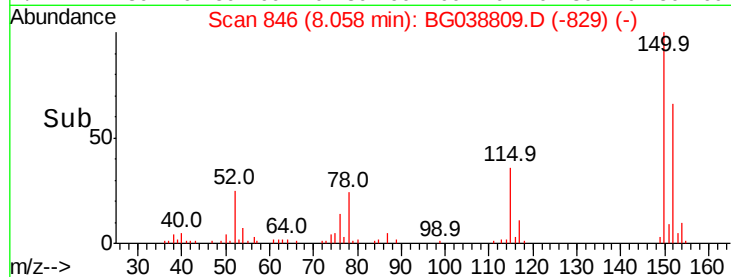
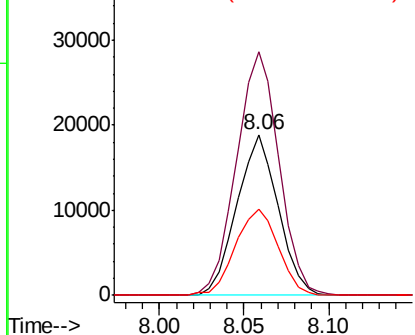


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

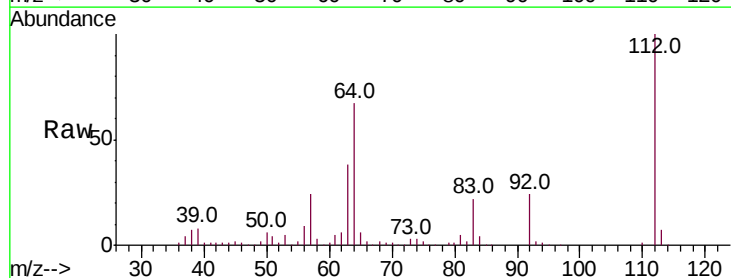
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 113.471 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.4	80.2
63	37.9	29.3	43.9

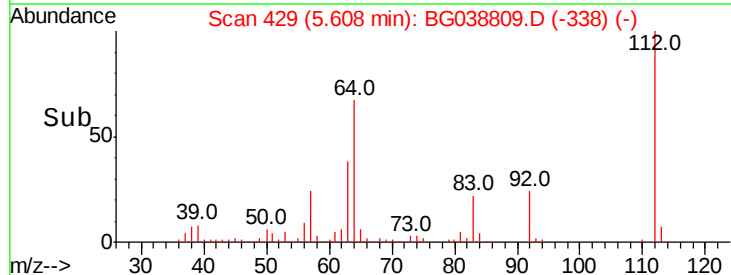
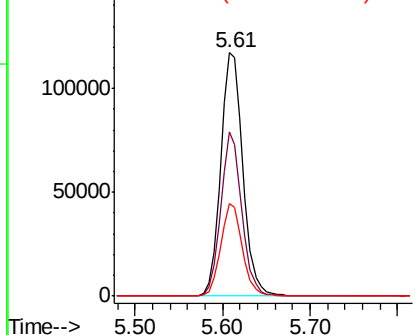


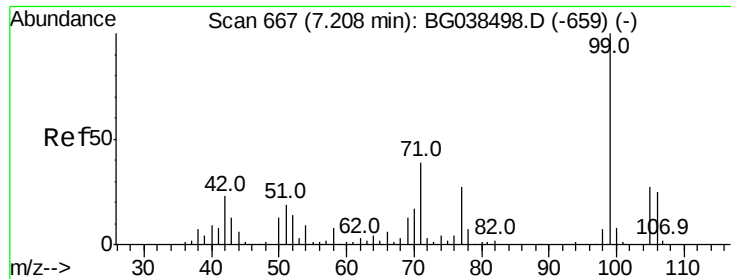
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 118.457 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

Instrument :

BNA_G

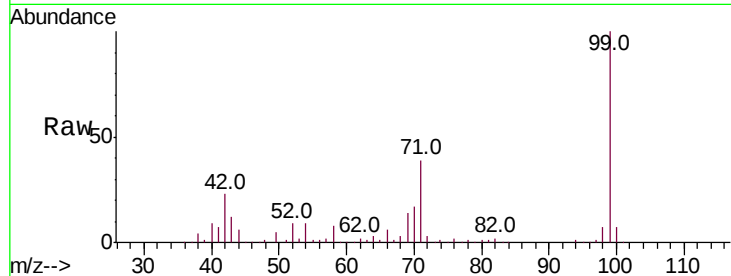
ClientSampleId :

P001-SS007-1218-01

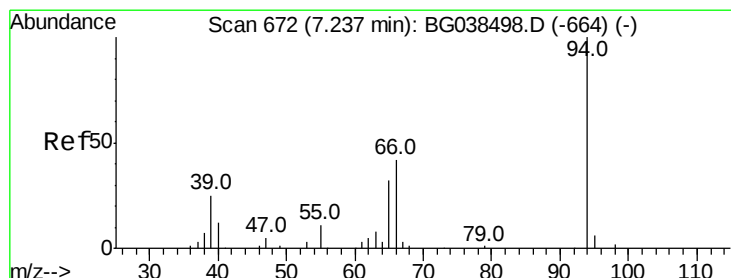
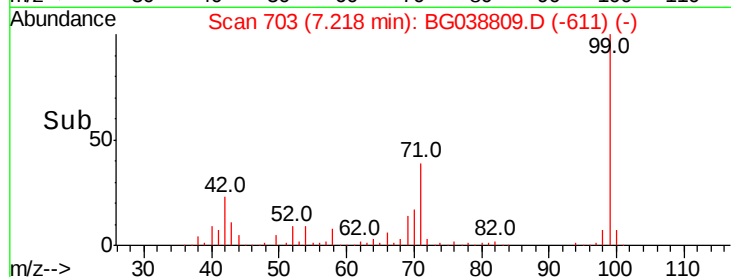
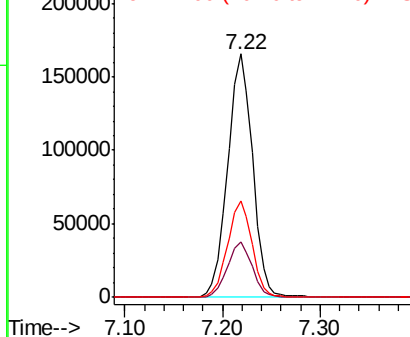
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		293129		
42	22.6	18.5	27.7		
71	39.4	31.1	46.7		

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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: 14.284 ng

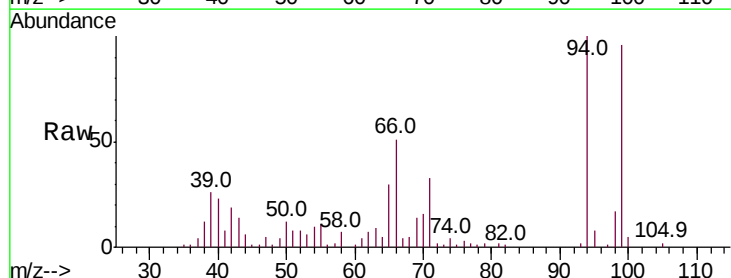
RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

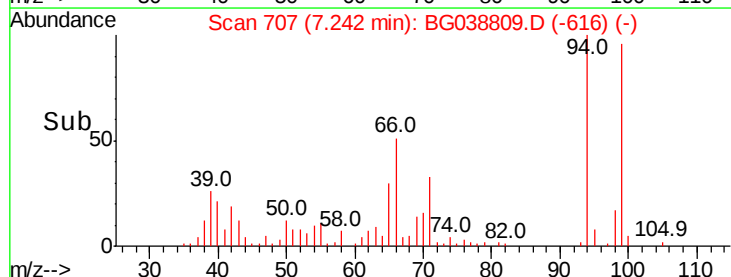
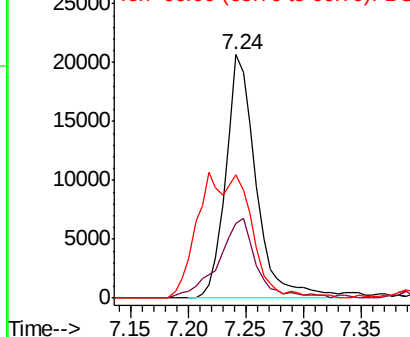
Lab File: BG038809.D

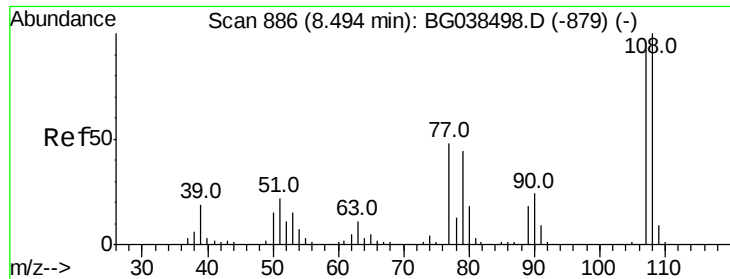
Acq: 22 Dec 2018 9:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		37552		
65	30.5	12.6	52.6		
66	50.8	24.1	64.1		



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





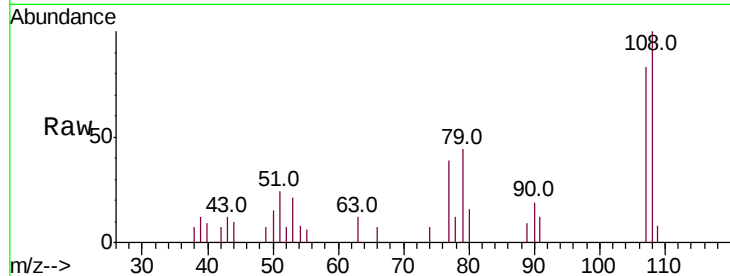
#17
2-Methylphenol
Concen: 2.344 ng
RT: 8.51 min Scan# 922
Delta R.T. 0.01 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Instrument :
BNA_G
ClientSampleId :
P001-SS007-1218-01

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	121.0	87.1	130.7	
77	47.1	42.0	63.0	
79	53.3	38.2	57.2	

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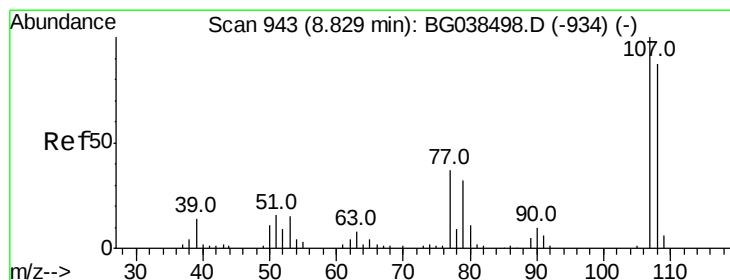
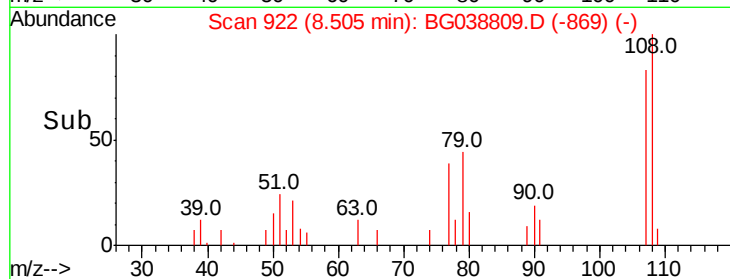
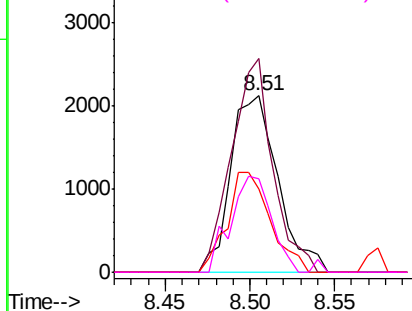
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#20
3+4-Methylphenols
Concen: 6.641 ng
RT: 8.83 min Scan# 977
Delta R.T. -0.00 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	82.0	66.7	106.7	
77	32.2	17.3	57.3	
79	24.5	12.3	52.3	

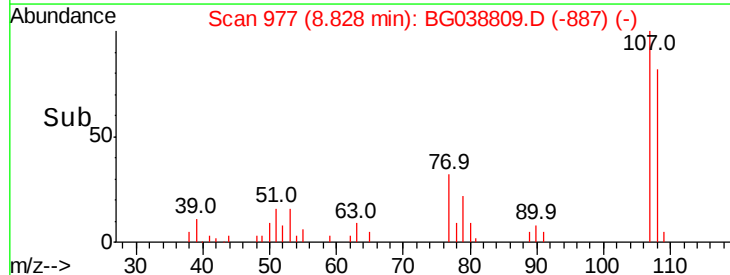
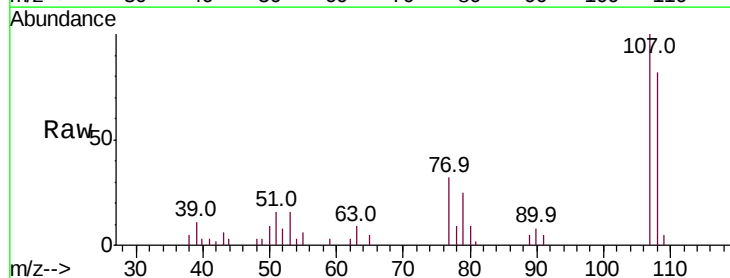
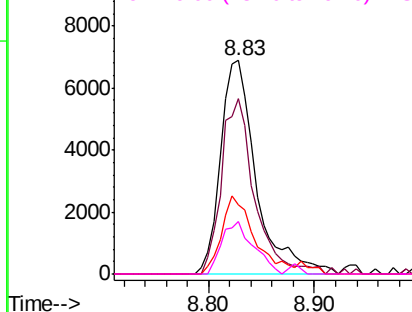
Abundance

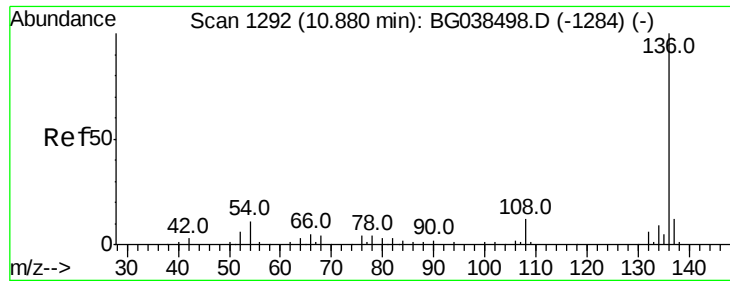
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





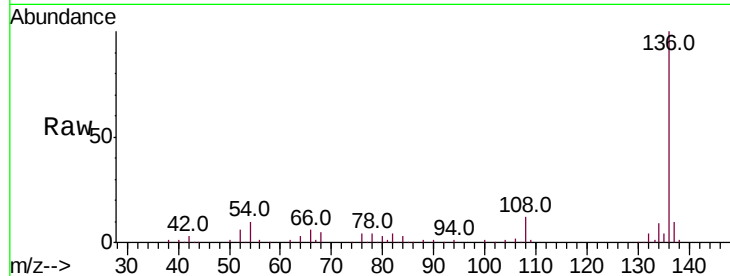
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Instrument :
BNA_G
ClientSampleId :
P001-SS007-1218-01

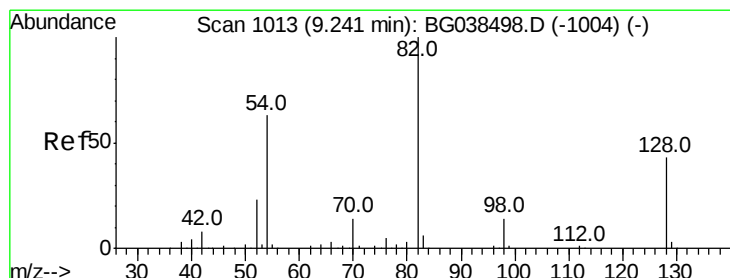
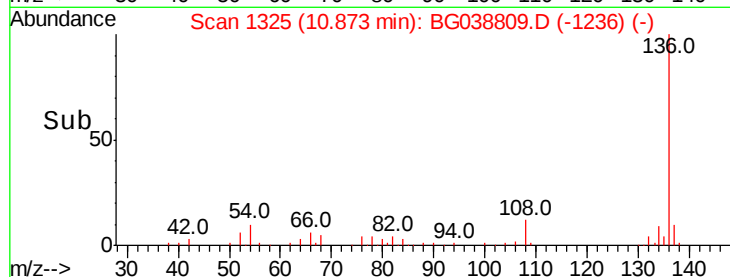
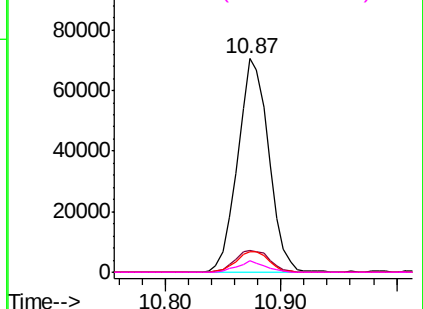
Tot Ion	Ratio	Resp	Lower	Upper
136	100	131239		
137	10.4	9.3	13.9	
54	9.8	8.5	12.7	
68	5.2	3.5	5.3	

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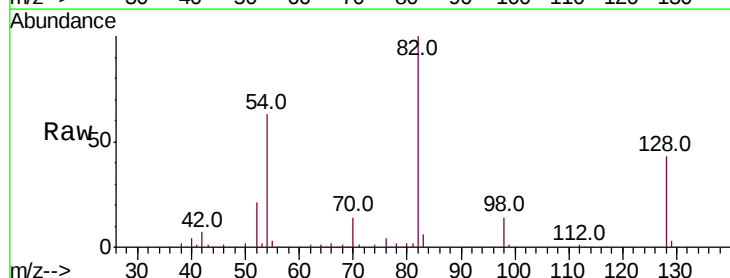


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

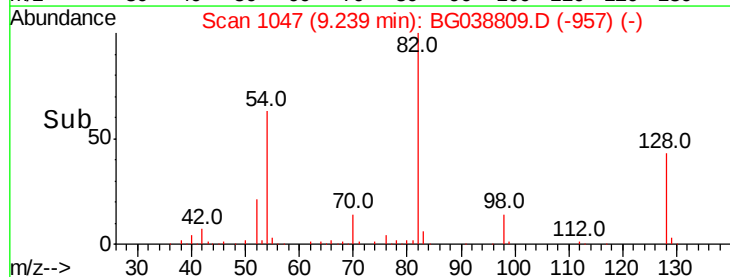
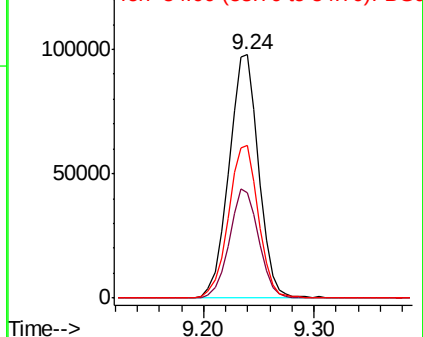


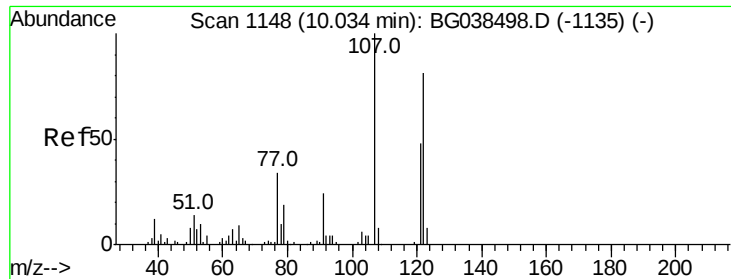
#23
Nitrobenzene-d5
Concen: 72.001 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	184965		
128	43.1	34.6	52.0	
54	62.6	50.6	76.0	



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





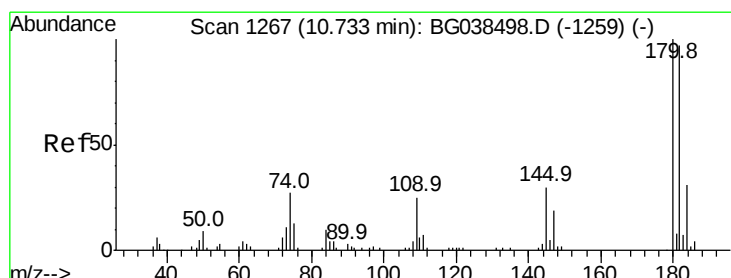
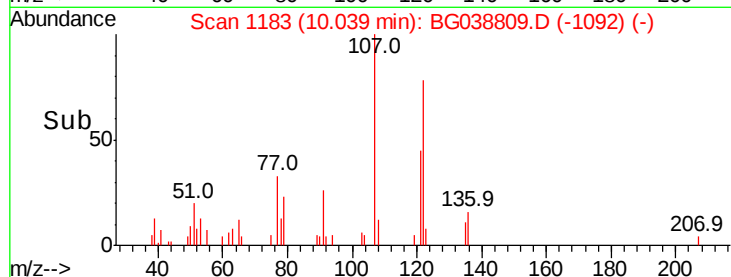
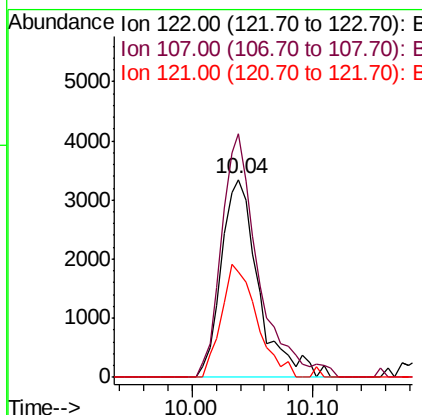
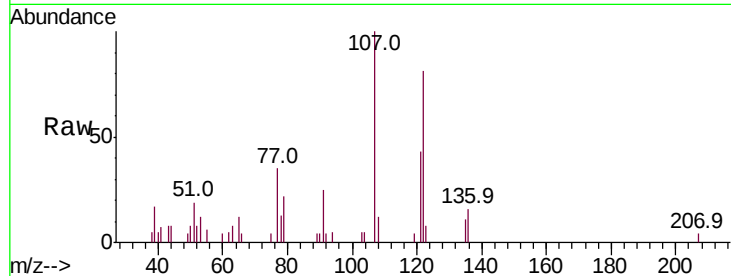
#27
2,4-Dimethylphenol
Concen: 3.763 ng
RT: 10.04 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Instrument :
BNA_G
ClientSampleId :
P001-SS007-1218-01

Tot Ion:122 Resp: 7174
Ion Ratio Lower Upper
122 100
107 123.3 98.4 147.6
121 53.2 47.2 70.8

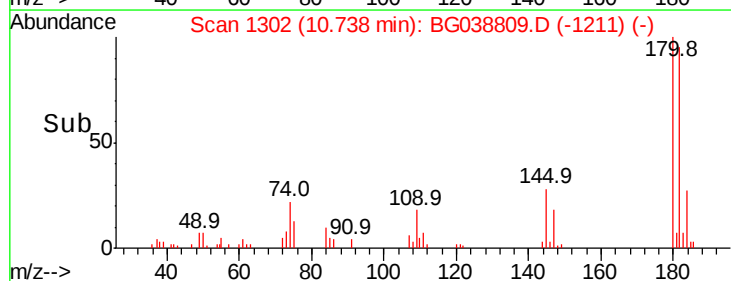
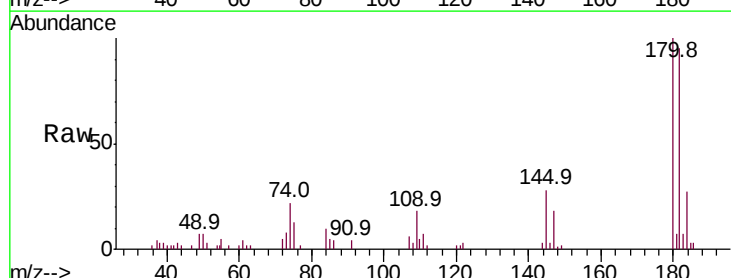
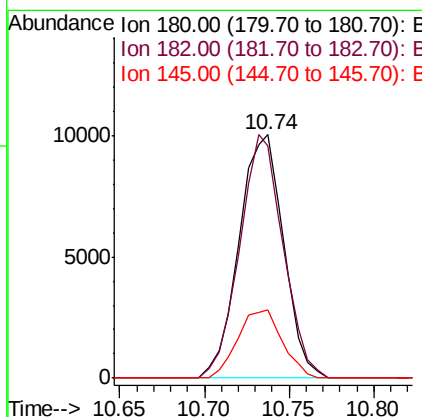
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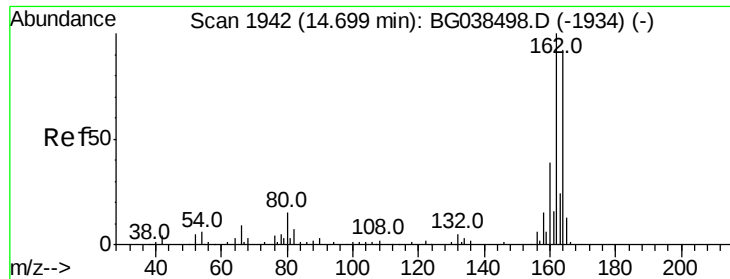
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#30
1,2,4-Trichlorobenzene
Concen: 7.169 ng
RT: 10.74 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Tgt Ion:180 Resp: 18363
Ion Ratio Lower Upper
180 100
182 95.3 77.4 116.0
145 28.1 24.1 36.1





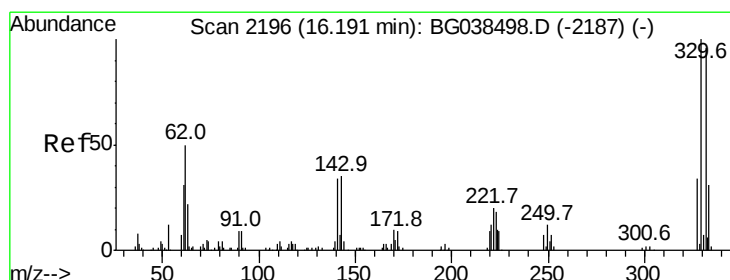
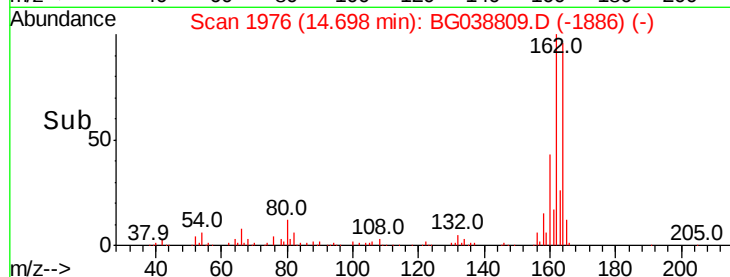
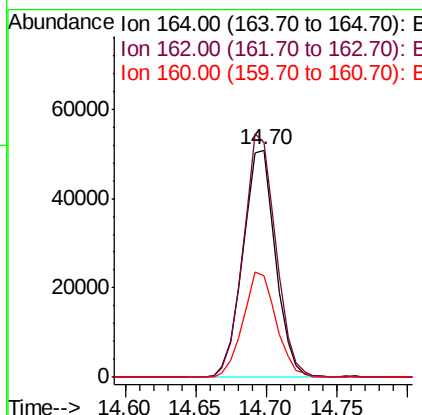
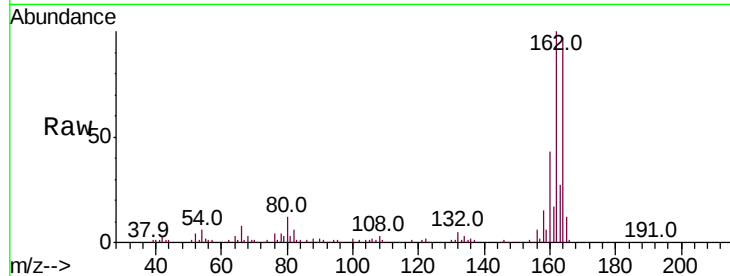
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Instrument :
BNA_G
ClientSampleId :
P001-SS007-1218-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.6	130.0
160	44.6	34.2	51.2

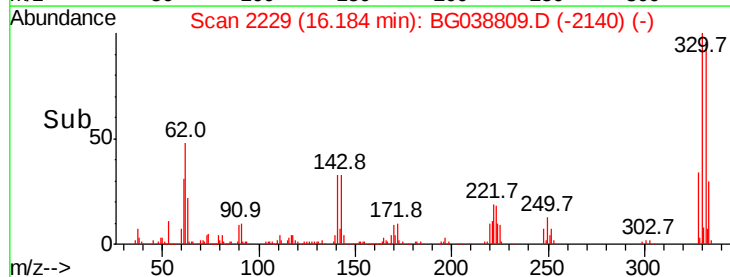
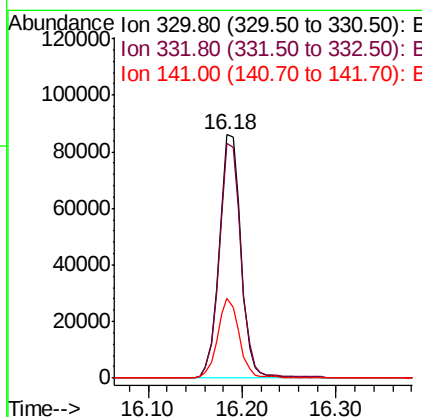
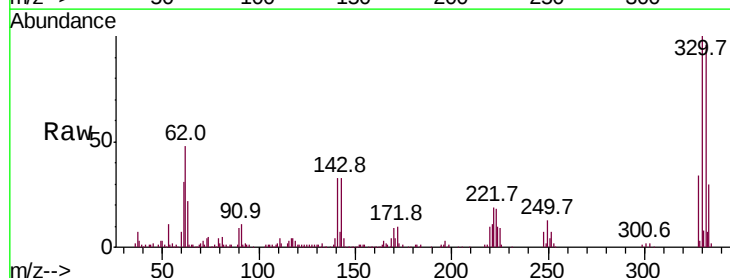
Manual Integrations
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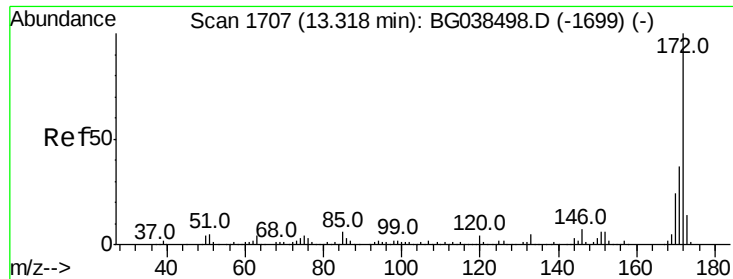
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#42
2,4,6-Tribromophenol
Concen: 122.283 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	31.7	28.8	43.2





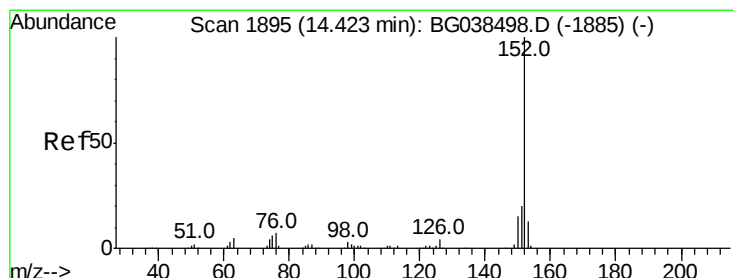
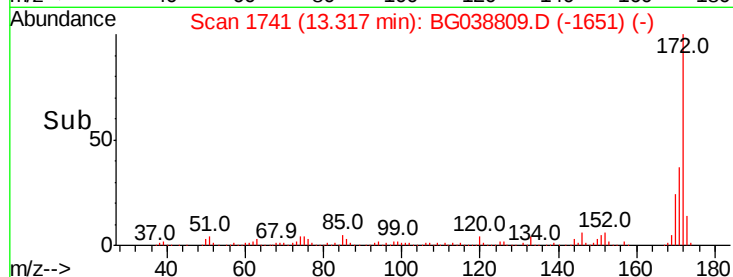
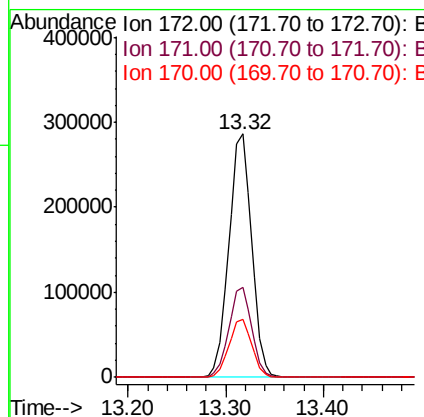
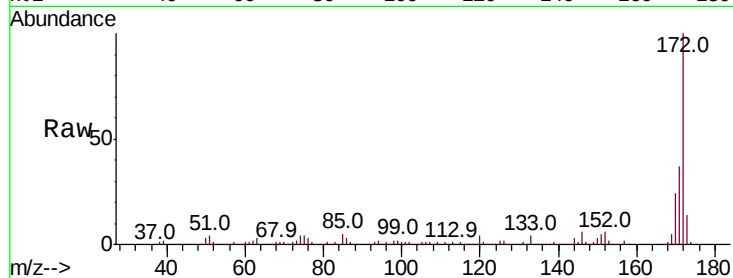
#45
2-Fluorobiphenyl
Concen: 77.217 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Instrument :
BNA_G
ClientSampleId :
P001-SS007-1218-01

Tot Ion	Ratio	Resp	Lower	Upper
172	100	464172		
171	37.2	29.8	44.6	
170	24.1	19.5	29.3	

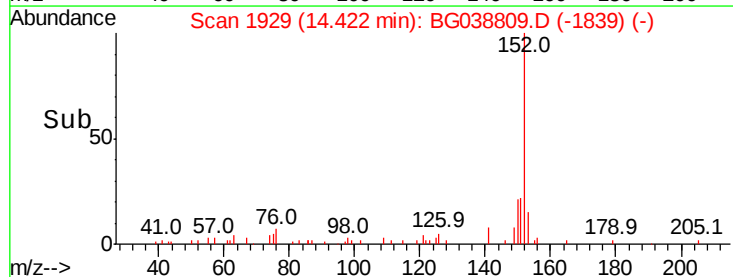
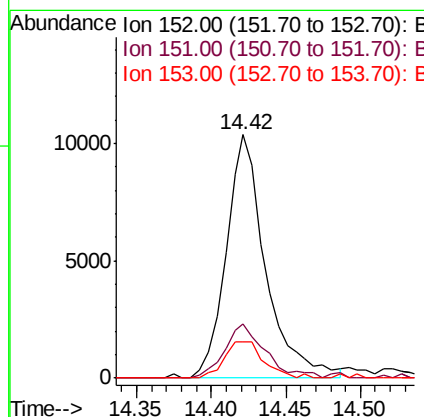
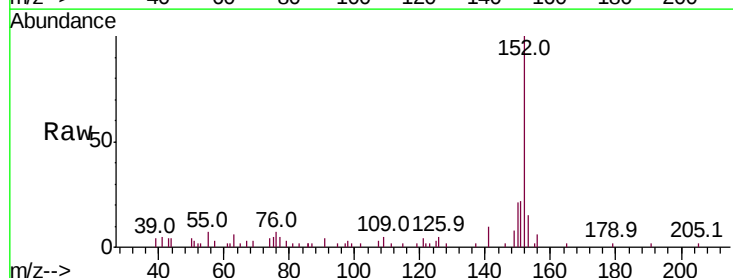
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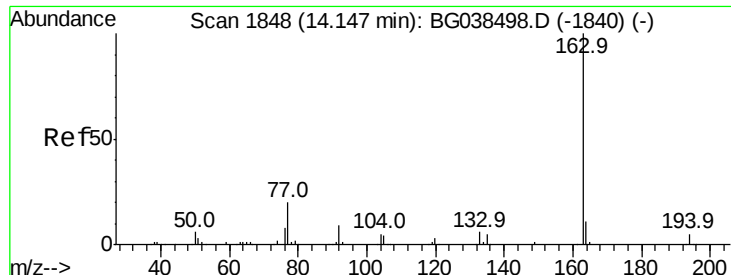
Sohil
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#49
Acenaphthylene
Concen: 2.395 ng
RT: 14.42 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	19118		
151	22.4	16.4	24.6	
153	14.9	10.4	15.6	





#50

Dimethylphthalate

Concen: 3.898 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

Instrument :

BNA_G

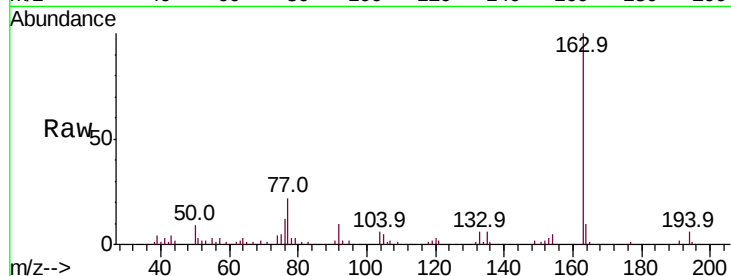
ClientSampleId :

P001-SS007-1218-01

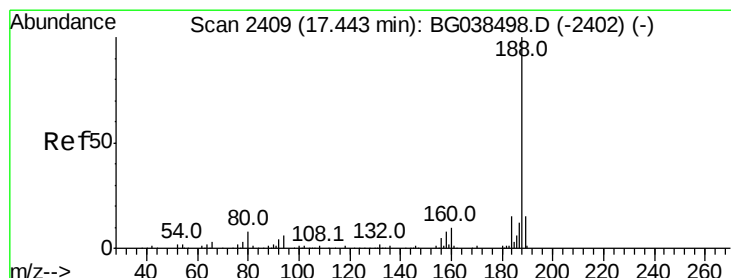
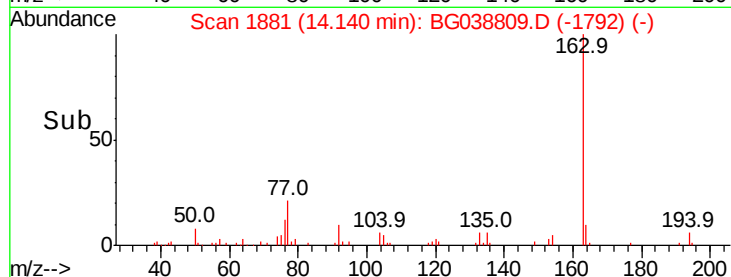
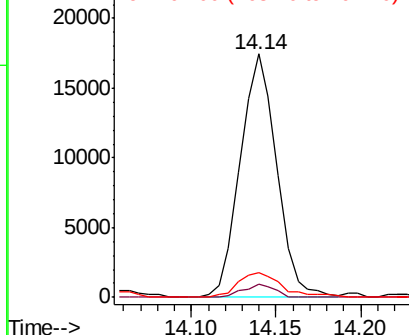
Tot Ion:	163	Resp:	26250
Ion Ratio	Lower	Upper	
163	100		
194	5.7	3.7	5.5#
164	10.1	8.6	12.8

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

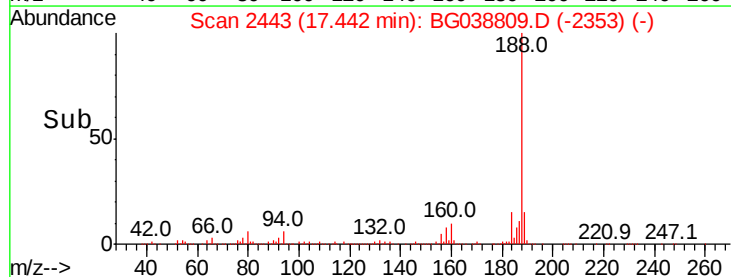
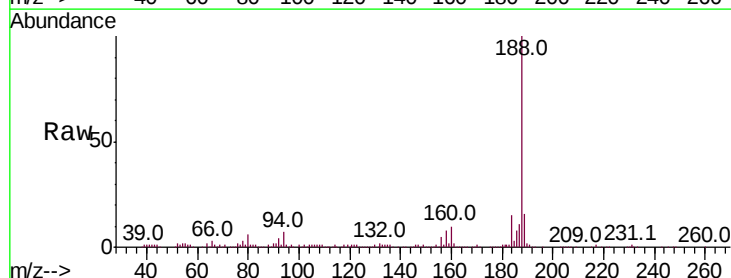
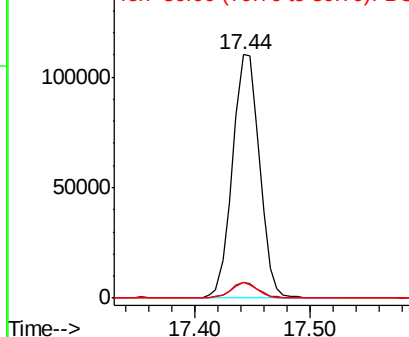
Delta R.T. -0.00 min

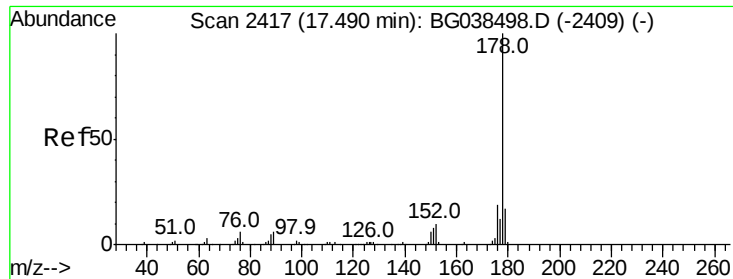
Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

Tgt Ion:	188	Resp:	178628
Ion Ratio	Lower	Upper	
188	100		
94	6.5	5.1	7.7
80	6.3	6.1	9.1

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





#71

Phenanthrene

Concen: 10.111 ng

RT: 17.49 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

Instrument :

BNA_G

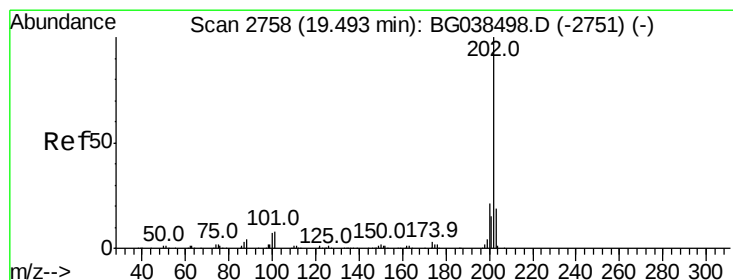
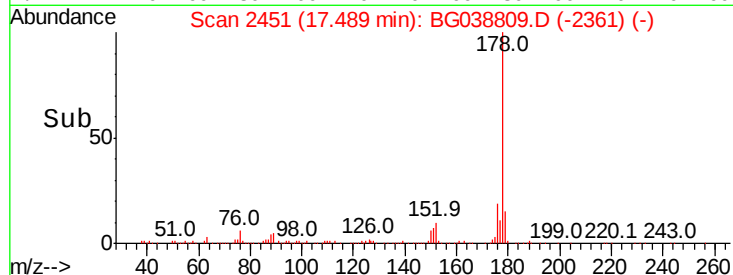
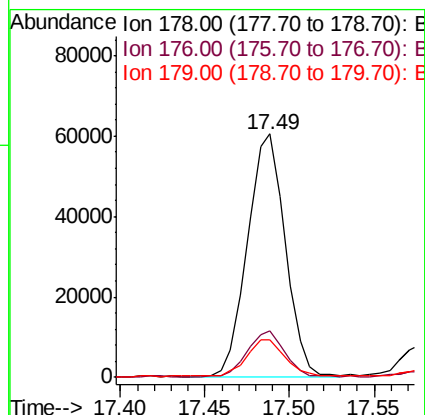
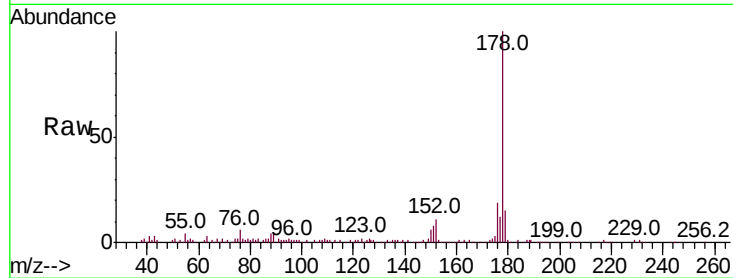
ClientSampleId :

P001-SS007-1218-01

Tot Ion:	178	Resp:	93662
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.1	22.7
179	15.2	13.2	19.8

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#75

Fluoranthene

Concen: 6.780 ng

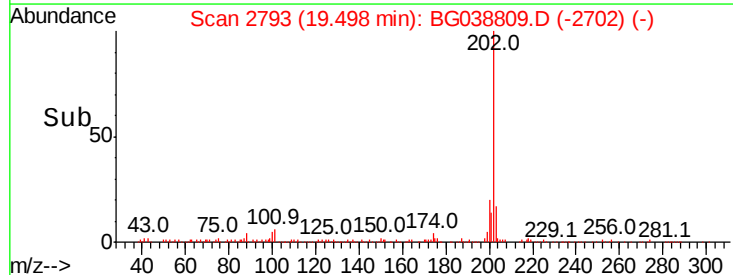
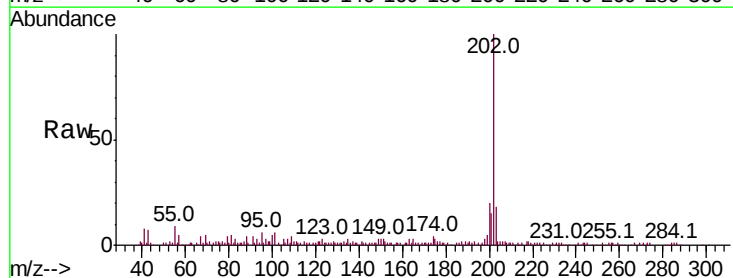
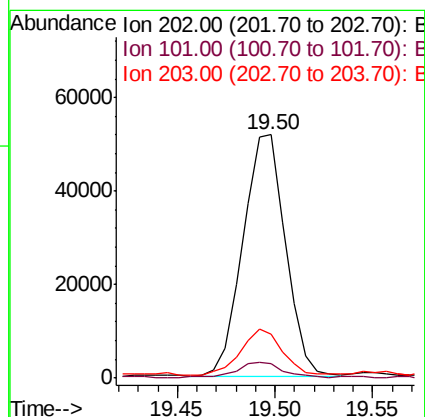
RT: 19.50 min Scan# 2793

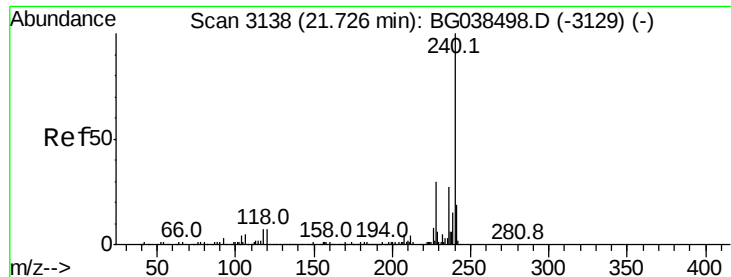
Delta R.T. 0.00 min

Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

Tgt Ion:	202	Resp:	77707
Ion Ratio	Lower	Upper	
202	100		
101	6.0	0.0	28.1
203	18.2	0.0	39.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

Instrument :

BNA_G

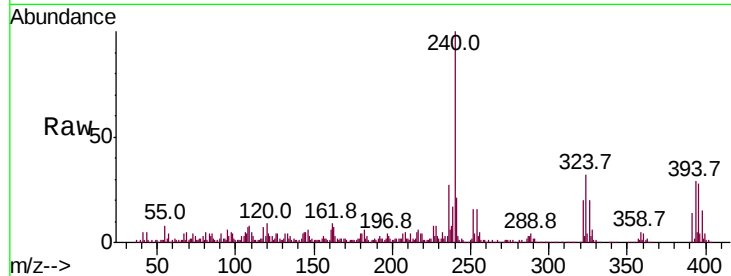
ClientSampleId :

P001-SS007-1218-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	5.3	7.9#
236	26.6	21.4	32.2

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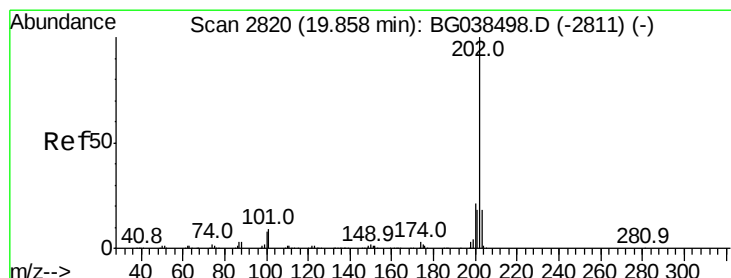
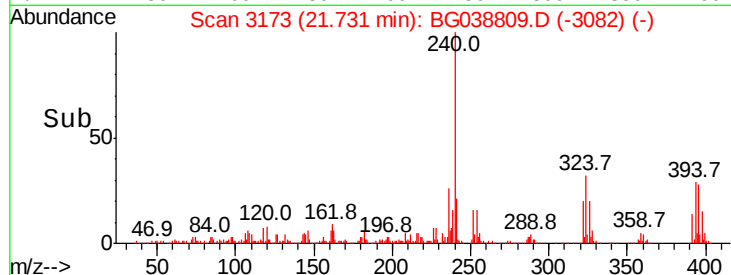
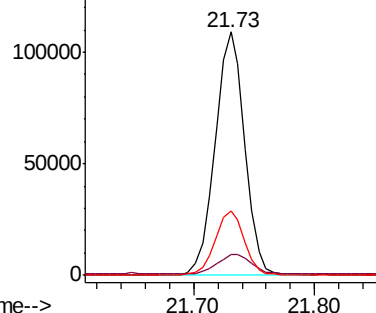


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 11.282 ng

RT: 19.86 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

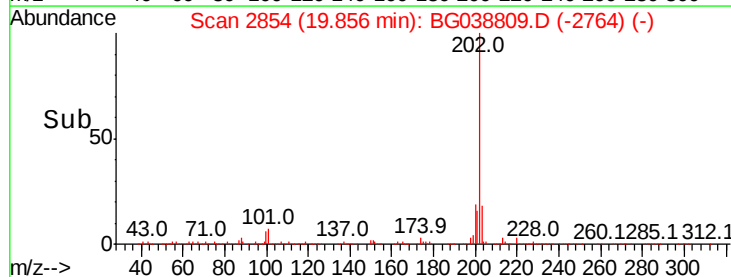
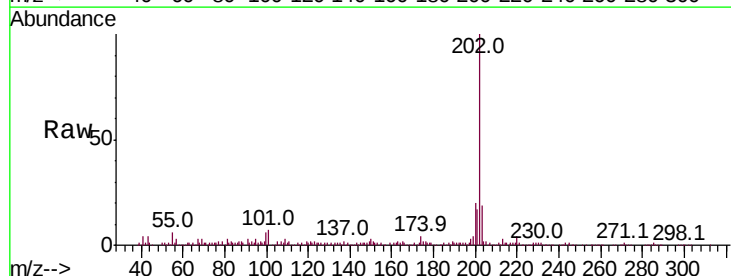
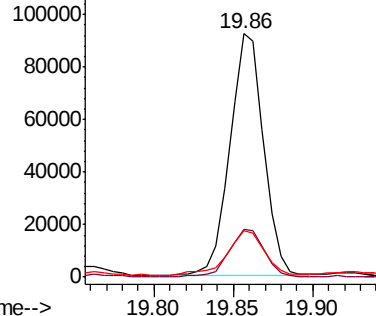
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.6	25.0
203	18.8	14.6	21.8

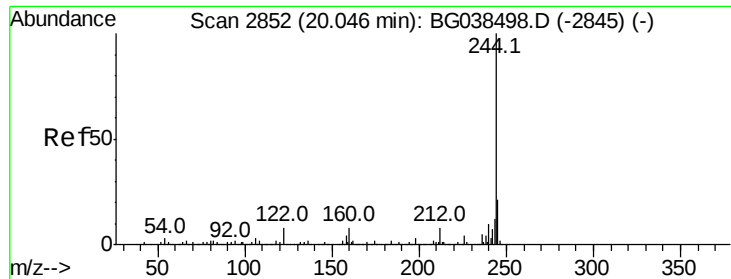
Abundance

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: 71.293 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

Instrument :

BNA_G

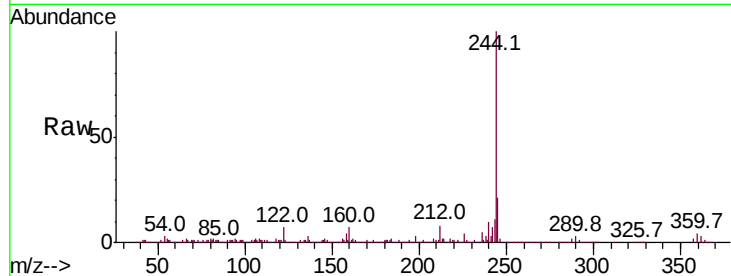
ClientSampleId :

P001-SS007-1218-01

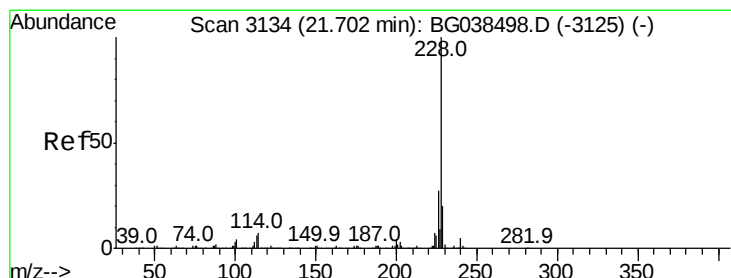
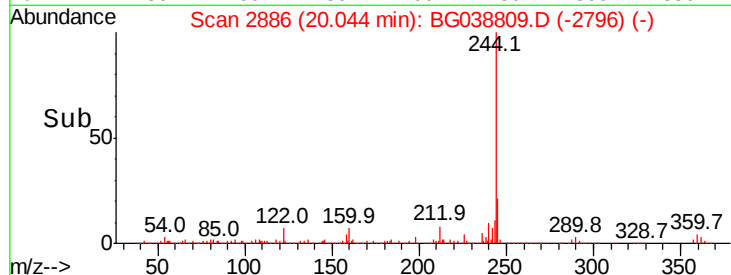
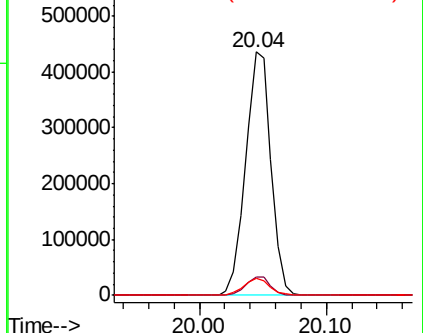
Tot Ion:	244	Resp:	605364
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	7.0	6.3	9.5

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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: 4.829 ng

RT: 21.71 min Scan# 3169

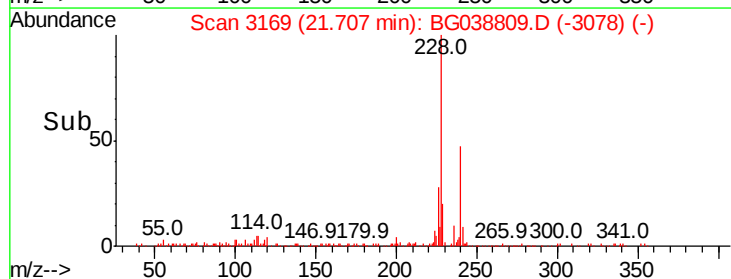
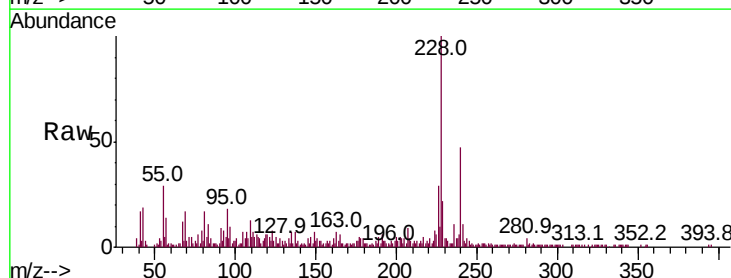
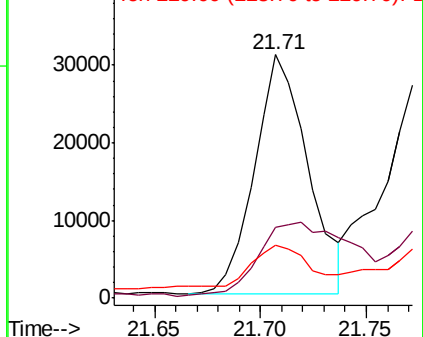
Delta R.T. 0.00 min

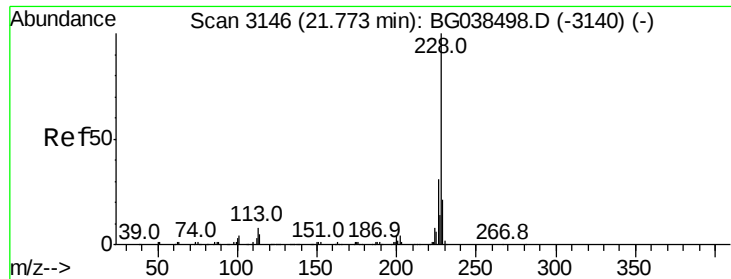
Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

Tgt Ion:	228	Resp:	54374
Ion Ratio	Lower	Upper	
228	100		
226	29.0	21.8	32.8
229	22.0	15.8	23.6

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





#83

Chrysene

Concen: 5.422 ng

RT: 21.78 min Scan# 3181

Delta R.T. 0.00 min

Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

Instrument :

BNA_G

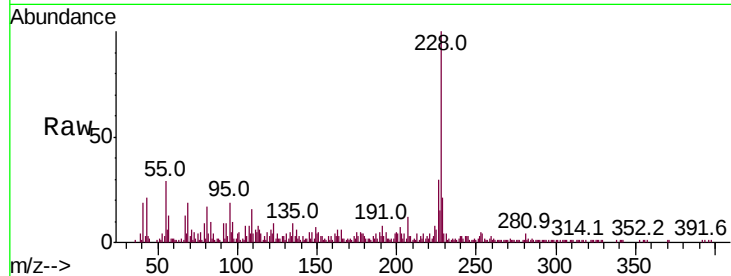
ClientSampleId :

P001-SS007-1218-01

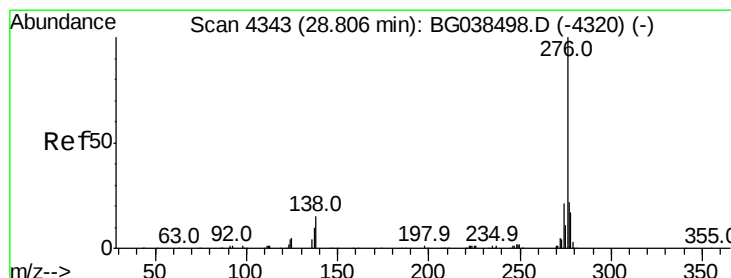
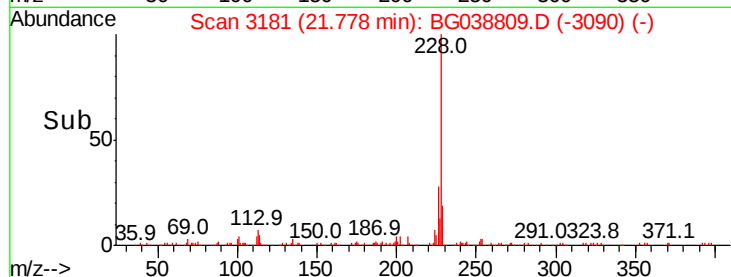
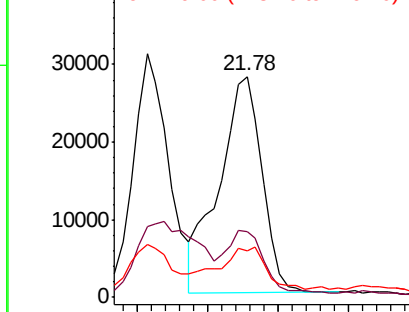
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.4
229	21.3	16.5	24.7

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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: 2.570 ng

RT: 28.82 min Scan# 4379

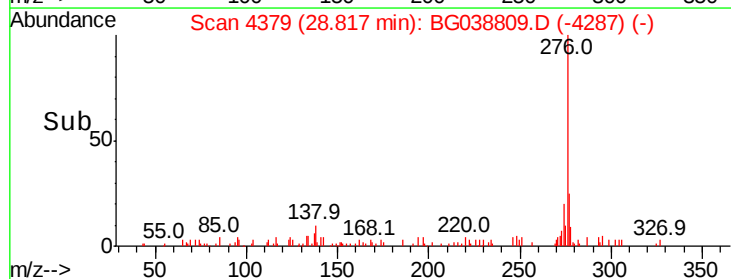
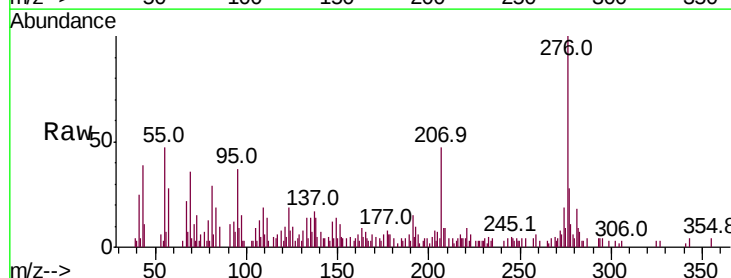
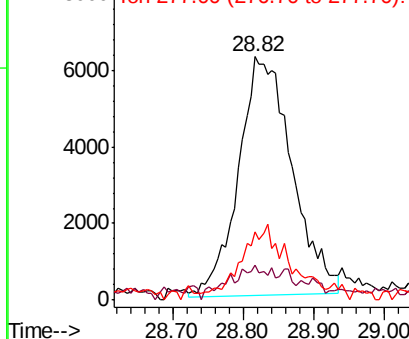
Delta R.T. 0.01 min

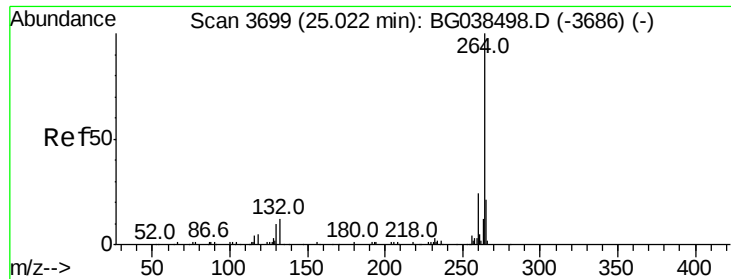
Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	3.3	14.4	21.6#
277	22.9	0.0	0.0#

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: 25.04 min Scan# 3736

Delta R.T. 0.02 min

Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

Instrument :

BNA_G

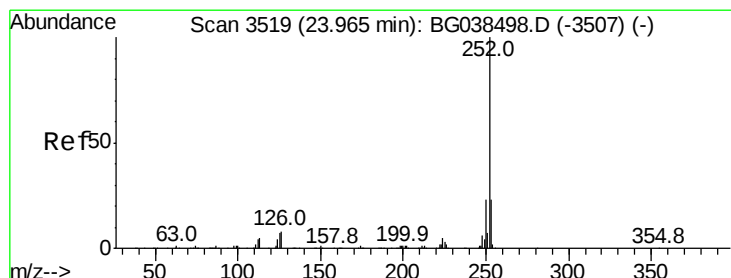
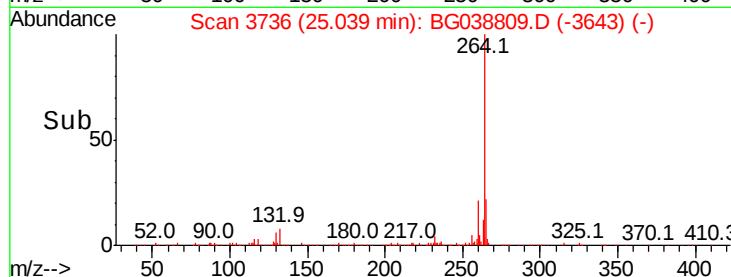
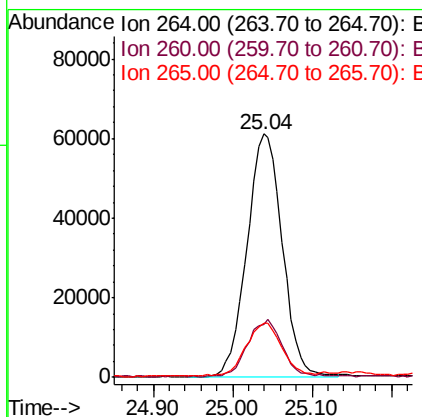
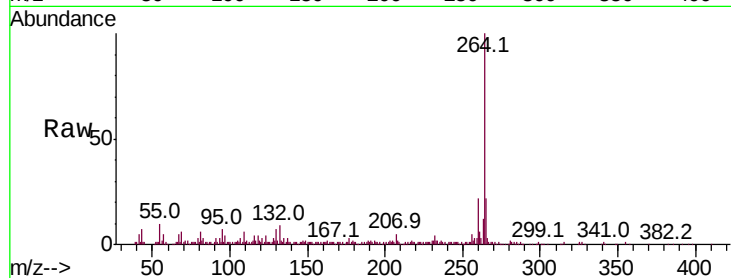
ClientSampleId :

P001-SS007-1218-01

Tot Ion:	264	Resp:	190079
Ion Ratio	Lower	Upper	
264	100		
260	21.5	18.9	28.3
265	22.0	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 4.915 ng m

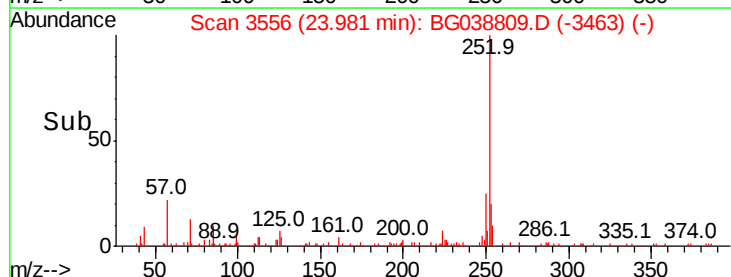
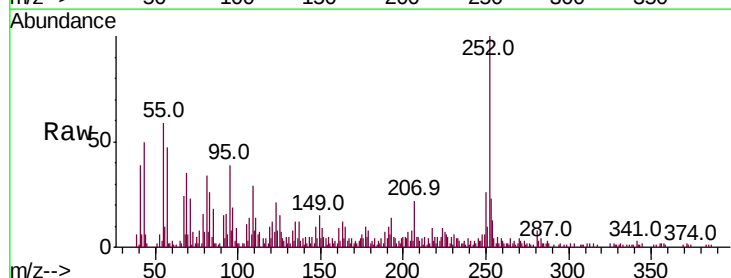
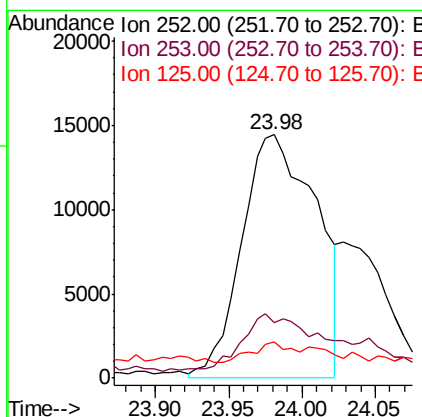
RT: 23.98 min Scan# 3556

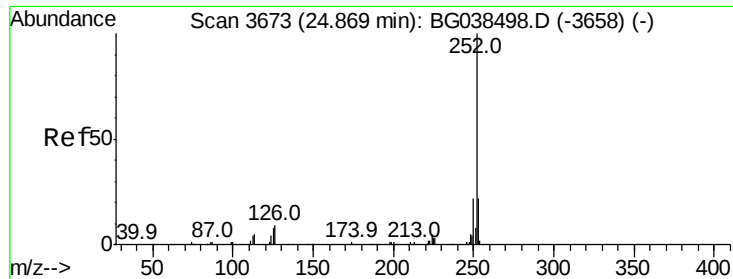
Delta R.T. 0.02 min

Lab File: BG038809.D

Acq: 22 Dec 2018 9:20

Tgt Ion:	252	Resp:	51291
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	15.1	5.5	8.3#





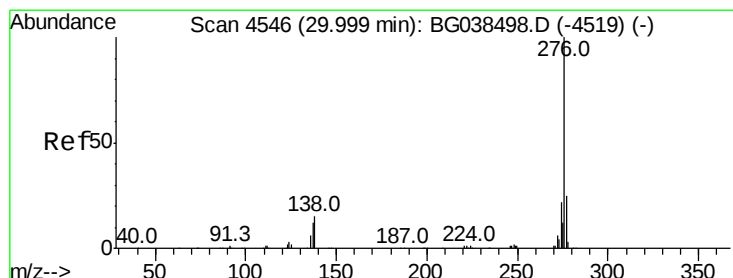
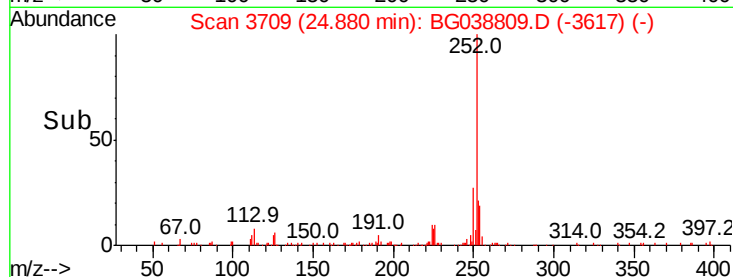
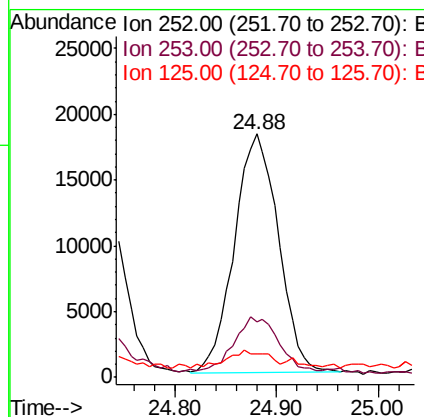
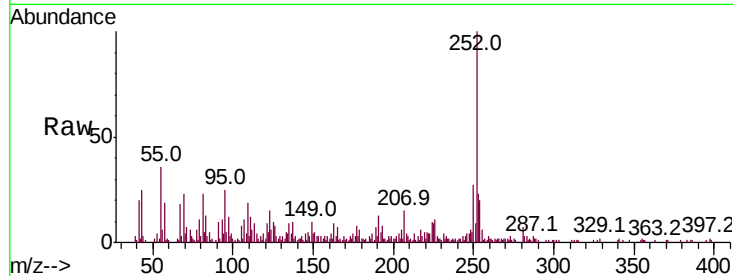
#90
Benzo(a)pyrene
Concen: 5.425 ng
RT: 24.88 min Scan# 3709
Delta R.T. 0.01 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Instrument :
BNA_G
ClientSampleId :
P001-SS007-1218-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	9.7	6.4	9.6

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#92
Benzo(g,h,i)perylene
Concen: 4.667 ng
RT: 30.02 min Scan# 4584
Delta R.T. 0.02 min
Lab File: BG038809.D
Acq: 22 Dec 2018 9:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.8	29.8
138	13.7	11.8	17.6

