

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060120\
 Data File : BG045564.D
 Acq On : 1 Jun 2020 20:36
 Operator : CG/JU
 Sample : L2798-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NM57-COMP-2020-0-6

Manual Integrations
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Quant Time: Jun 02 01:44:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	85551	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	342236	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	224954	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	471201	20.00	ng	0.00
76) Chrysene-d12	21.60	240	428310	20.00	ng	0.00
87) Perylene-d12	24.75	264	459798	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	322573	73.69	ng	0.00
7) Phenol-d6	7.15	99	494751	79.41	ng	0.00
23) Nitrobenzene-d5	9.11	82	356523	56.81	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	225072	78.23	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	815775	61.51	ng	0.00
79) Terphenyl-d14	19.96	244	1112256	60.57	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.05	163	157240	10.189	ng	99
71) Phenanthrene	17.39	178	67515	3.282	ng	93
75) Fluoranthene	19.40	202	175529	6.709	ng	99
78) Pyrene	19.76	202	164963	6.757	ng	97
81) Benzo(a)anthracene	21.59	228	93917	3.936	ng	97
83) Chrysene	21.65	228	93412m	4.072	ng	
86) Indeno(1,2,3-cd)pyrene	28.32	276	73035	2.434	ng	# 94
88) Benzo(b)fluoranthene	23.76	252	136291	5.527	ng	# 95
89) Benzo(k)fluoranthene	23.81	252	54671m	2.360	ng	
90) Benzo(a)pyrene	24.60	252	101248	4.409	ng	98
92) Benzo(g,h,i)perylene	29.43	276	71204	3.085	ng	# 94

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

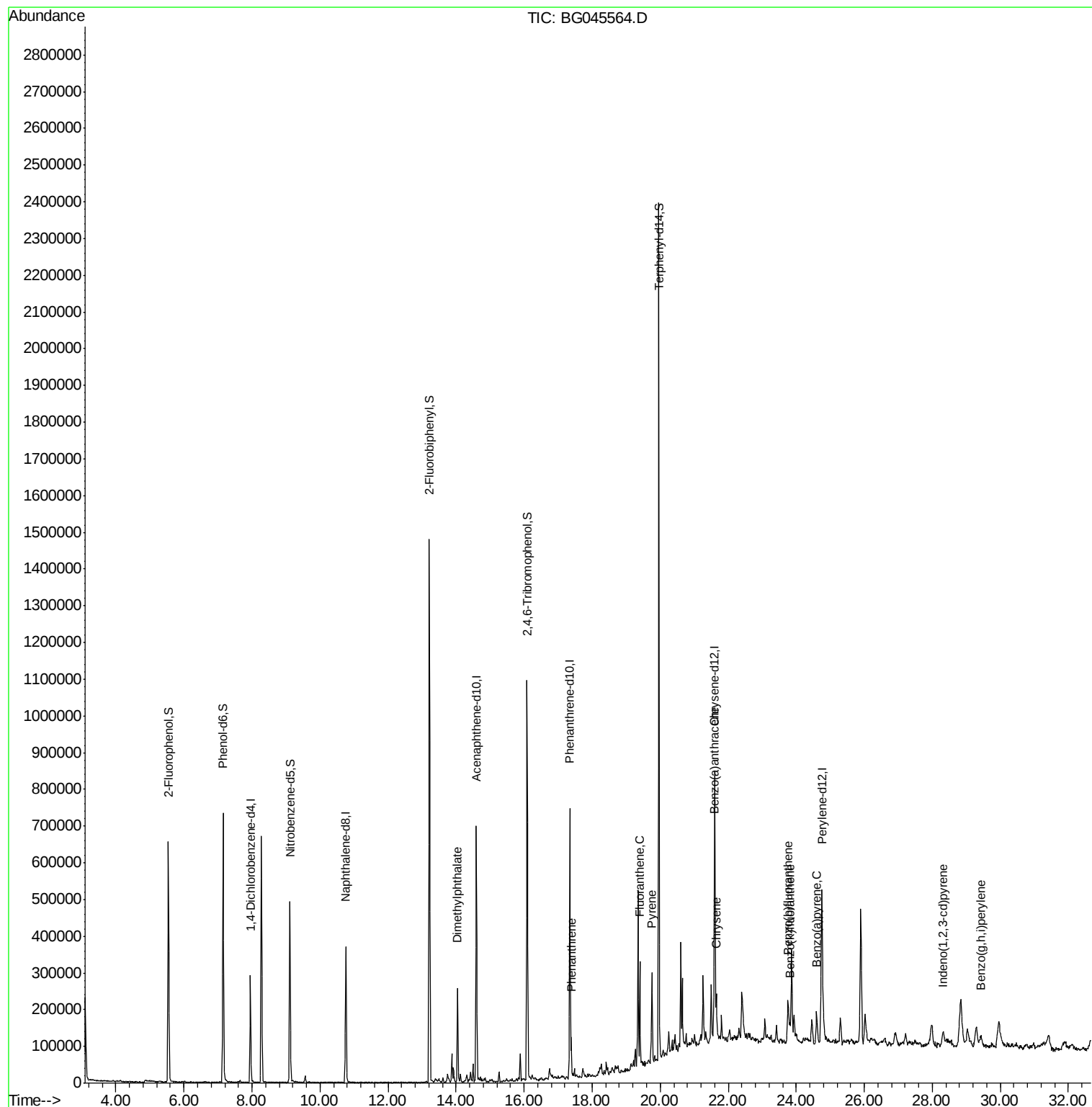
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060120\
Data File : BG045564.D
Acq On : 1 Jun 2020 20:36
Operator : CG/JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

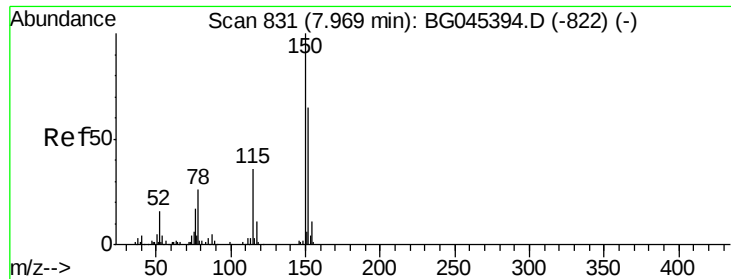
Instrument :
BNA_G
ClientSampleId :
NM57-COMP-2020-0-6

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Quant Time: Jun 02 01:44:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

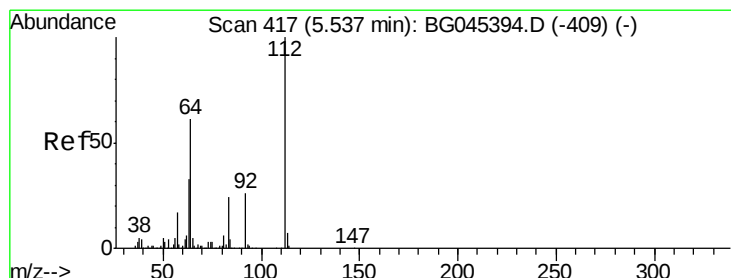
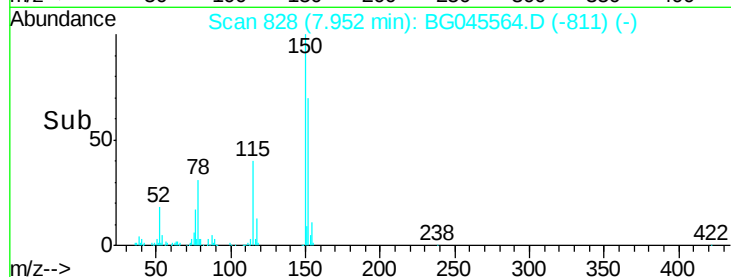
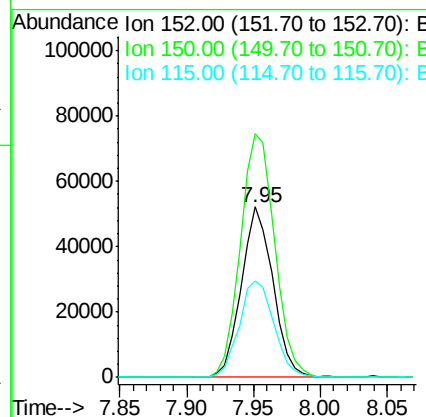
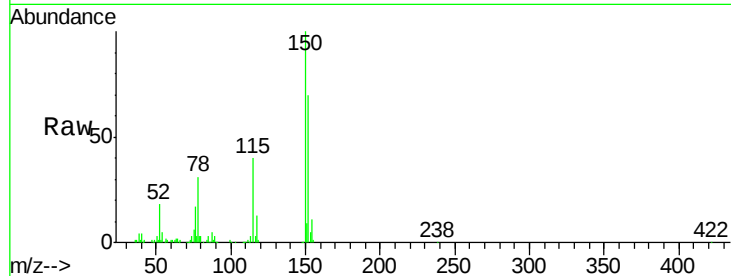
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045564.D
Acq: 1 Jun 2020 20:36

Instrument :
BNA_G
ClientSampleId :
NM57-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.9	122.4	183.6
115	56.6	44.2	66.4

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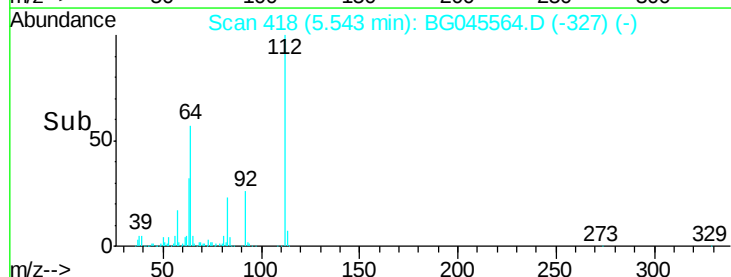
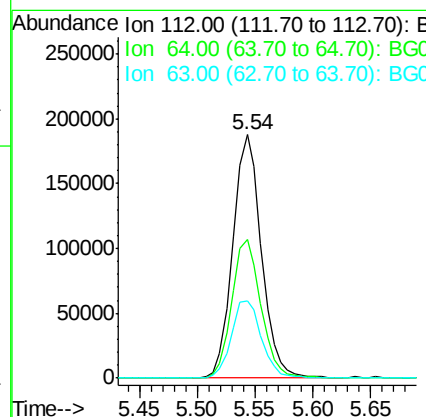
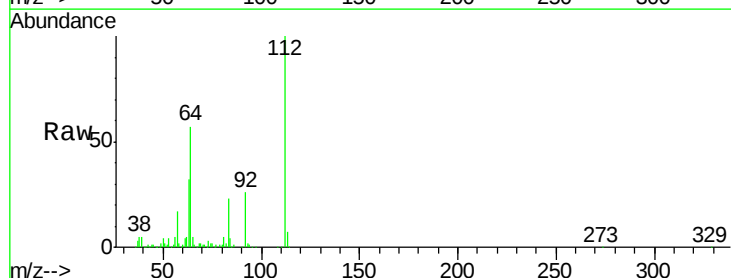
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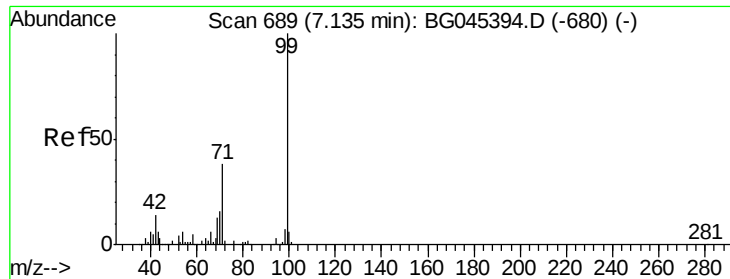


#5

2-Fluorophenol
Concen: 73.687 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG045564.D
Acq: 1 Jun 2020 20:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	48.6	72.8
63	31.9	26.5	39.7





#7

Phenol-d6

Concen: 79.406 ng

RT: 7.15 min Scan# 692

Delta R.T. 0.01 min

Lab File: BG045564.D

Acq: 1 Jun 2020 20:36

Instrument :

BNA_G

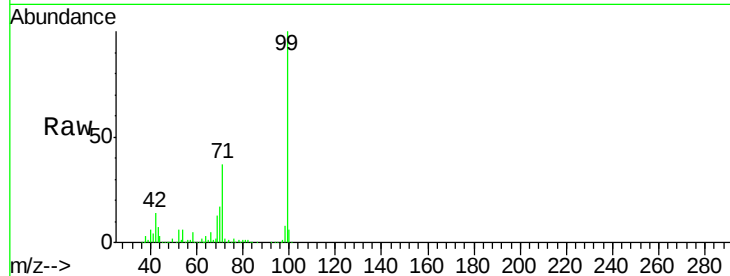
ClientSampleId :

NM57-COMP-2020-0-6

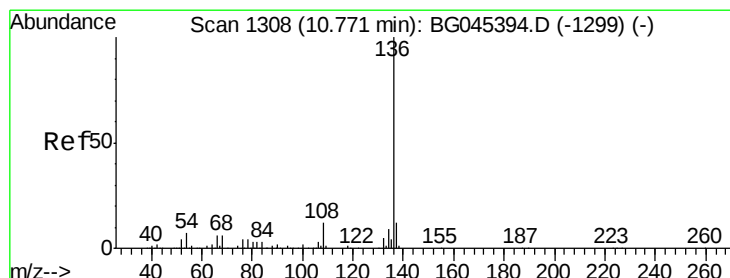
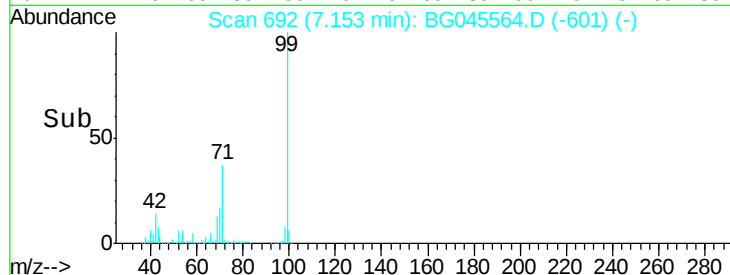
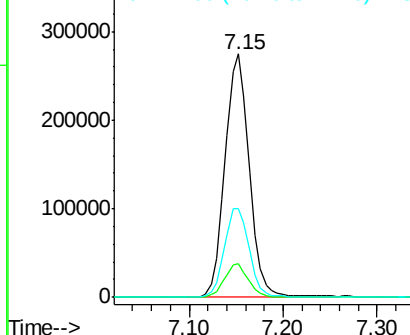
Tot Ion:	99	Resp:	494751
Ion Ratio	Lower	Upper	
99	100		
42	13.7	11.3	16.9
71	36.6	30.8	46.2

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1306

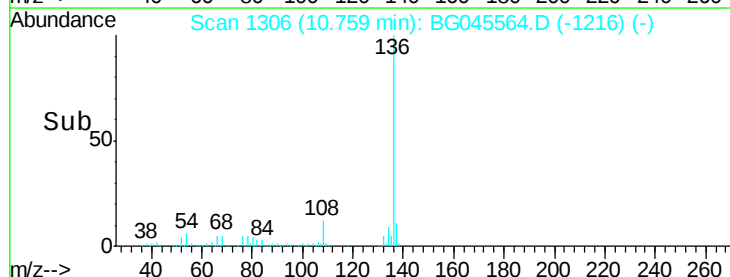
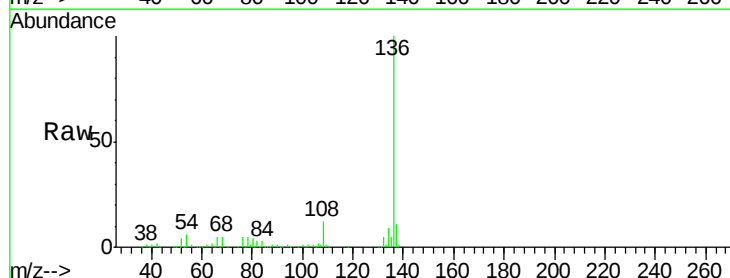
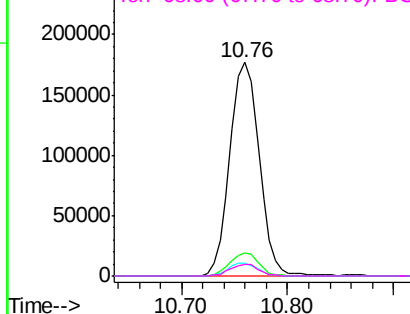
Delta R.T. 0.00 min

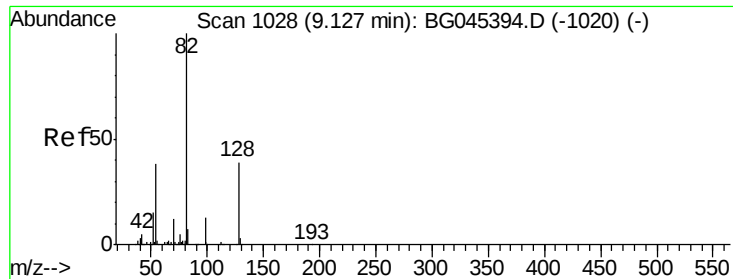
Lab File: BG045564.D

Acq: 1 Jun 2020 20:36

Tgt Ion:	136	Resp:	342236
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.4	14.2
54	6.3	5.8	8.6
68	5.3	4.5	6.7

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





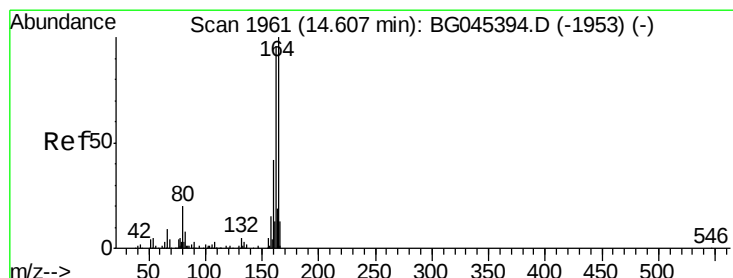
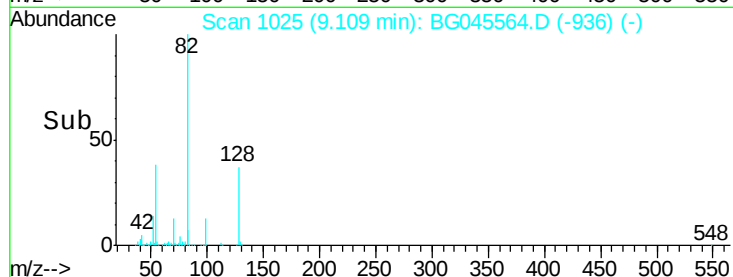
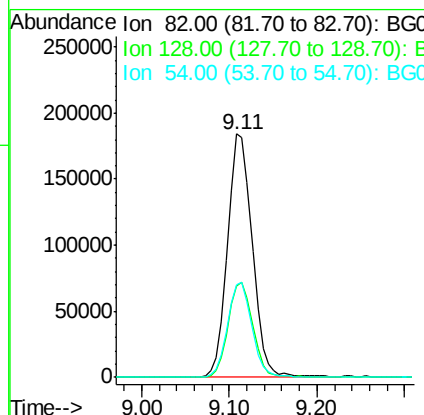
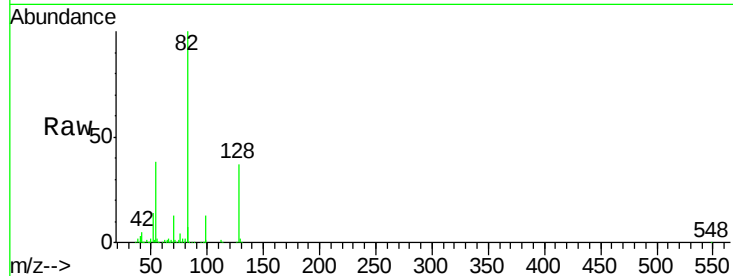
#23
 Nitrobenzene-d5
 Concen: 56.808 ng
 RT: 9.11 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BG045564.D
 Acq: 1 Jun 2020 20:36

Instrument :
 BNA_G
 ClientSampleId :
 NM57-COMP-2020-0-6

Tot Ion	82	Resp	356523
Ion Ratio	Lower	Upper	
82	100		
128	37.3	30.9	46.3
54	38.2	30.3	45.5

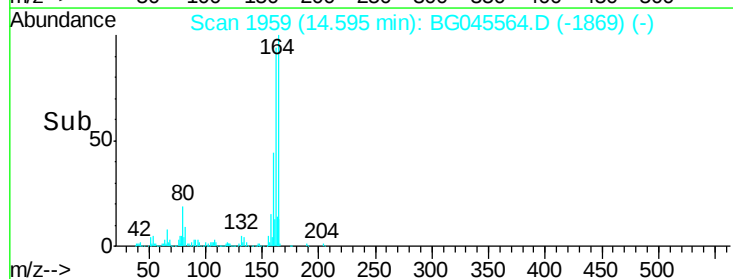
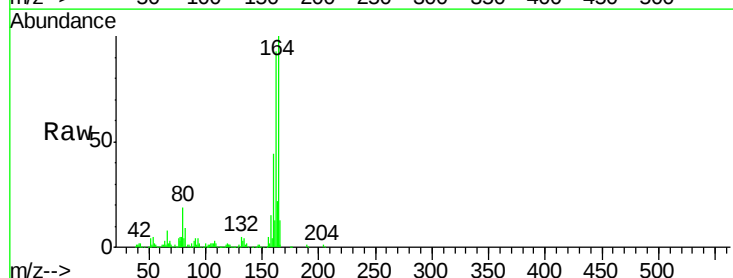
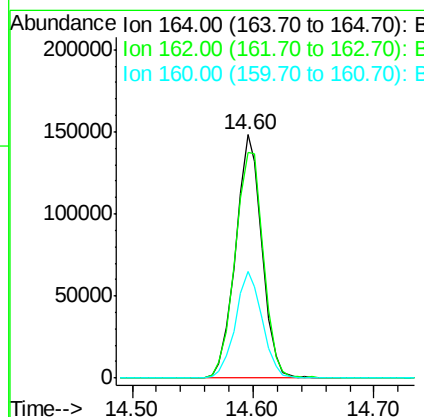
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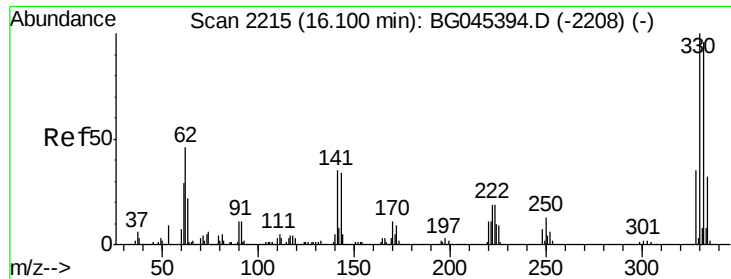
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: BG045564.D
 Acq: 1 Jun 2020 20:36

Tgt Ion	164	Resp	224954
Ion Ratio	Lower	Upper	
164	100		
162	92.7	76.9	115.3
160	43.9	33.8	50.8





#42

2,4,6-Tribromophenol

Concen: 78.234 ng

RT: 16.09 min Scan# 2214

Delta R.T. 0.00 min

Lab File: BG045564.D

Acq: 1 Jun 2020 20:36

Instrument :

BNA_G

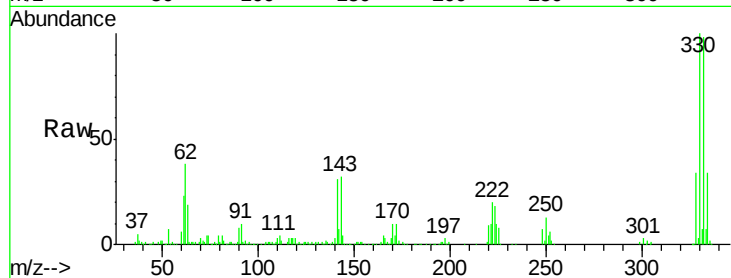
ClientSampleId :

NM57-COMP-2020-0-6

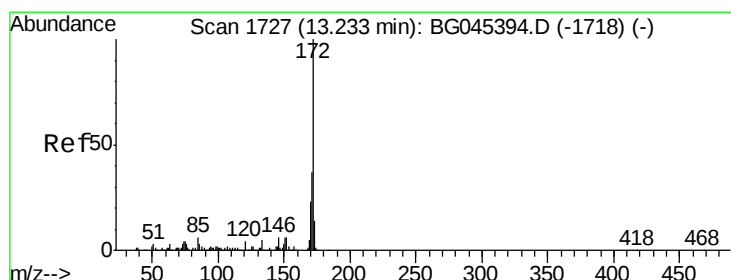
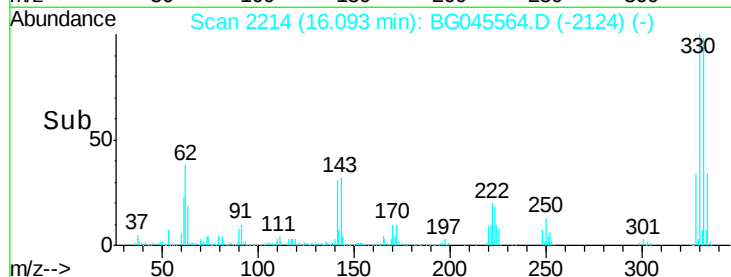
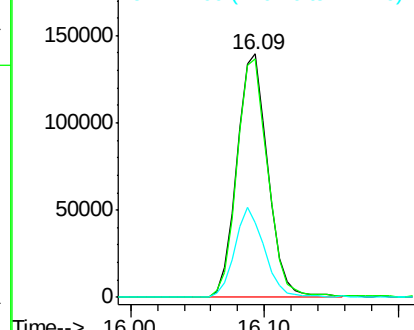
Tot Ion:	330	Resp:	225072
Ion Ratio	Lower	Upper	
330	100		
332	98.2	78.2	117.4
141	35.4	28.2	42.4

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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: 61.511 ng

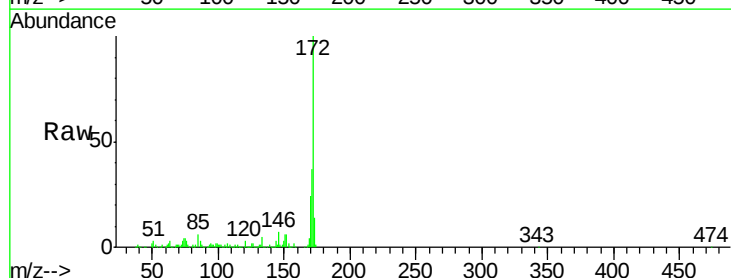
RT: 13.21 min Scan# 1724

Delta R.T. 0.00 min

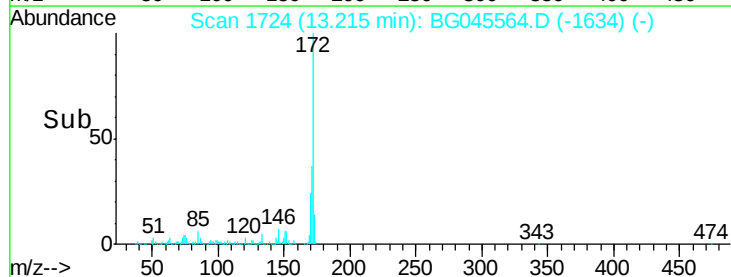
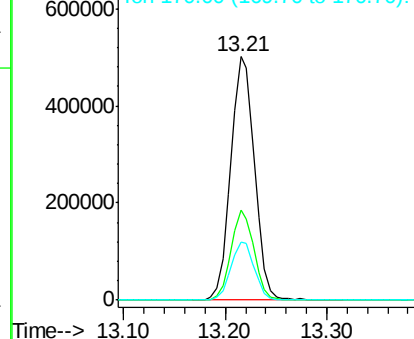
Lab File: BG045564.D

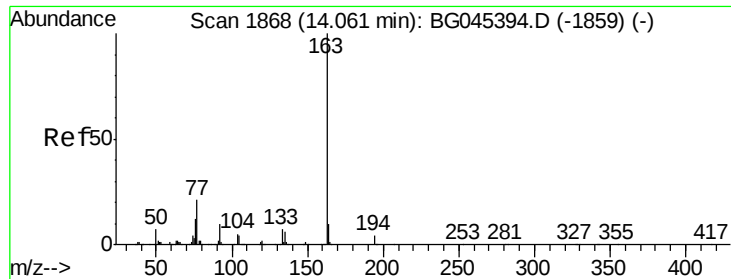
Acq: 1 Jun 2020 20:36

Tgt Ion:	172	Resp:	815775
Ion Ratio	Lower	Upper	
172	100		
171	37.0	29.5	44.3
170	23.7	18.5	27.7



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





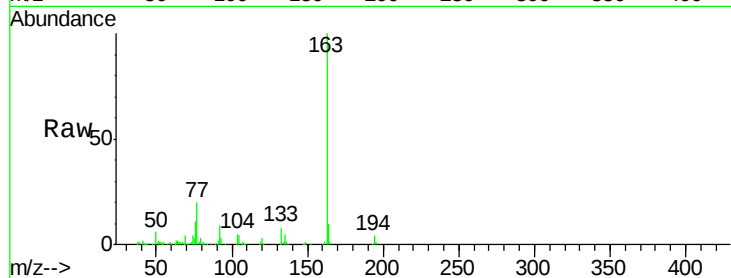
#50
Dimethylphthalate
Concen: 10.189 ng
RT: 14.05 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BG045564.D
Acq: 1 Jun 2020 20:36

Instrument :
BNA_G
ClientSampleId :
NM57-COMP-2020-0-6

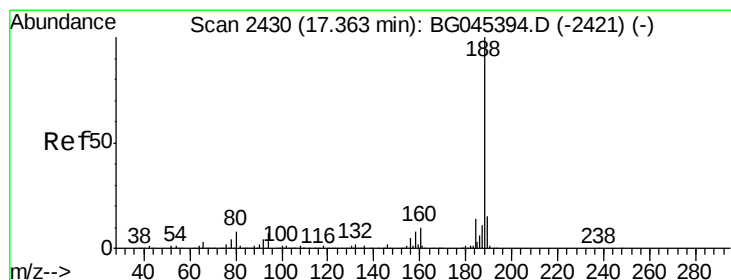
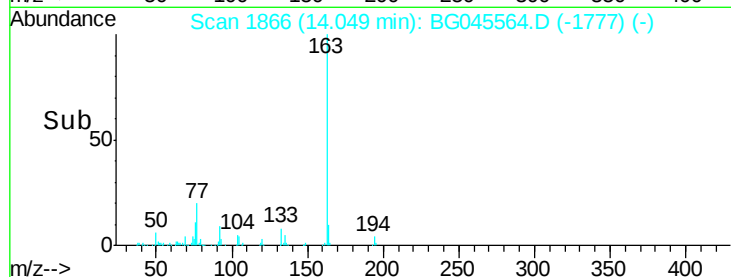
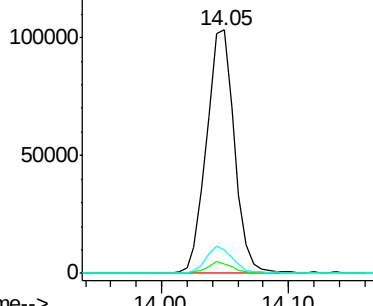
Tot Ion	Ratio	Resp	Lower	Upper
163	100	157240		
194	4.1		3.2	4.8
164	9.8		8.3	12.5

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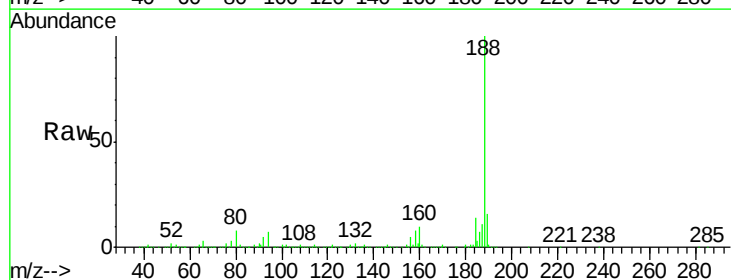


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

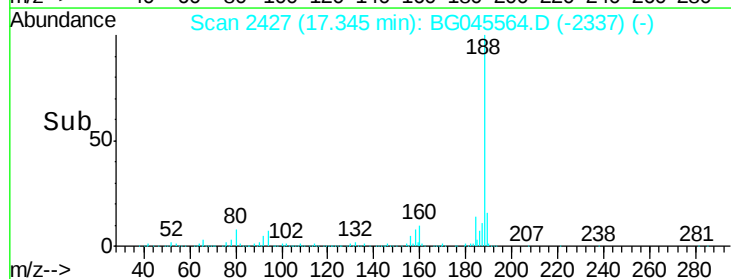
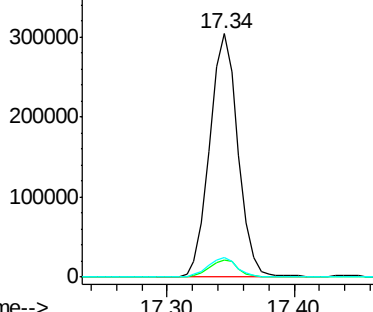


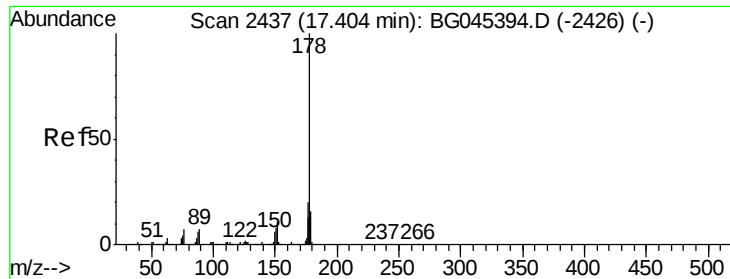
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BG045564.D
Acq: 1 Jun 2020 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	471201		
94	7.3		5.5	8.3
80	8.3		6.6	10.0



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: 3.282 ng

RT: 17.39 min Scan# 2434

Delta R.T. 0.00 min

Lab File: BG045564.D

Acq: 1 Jun 2020 20:36

Instrument :

BNA_G

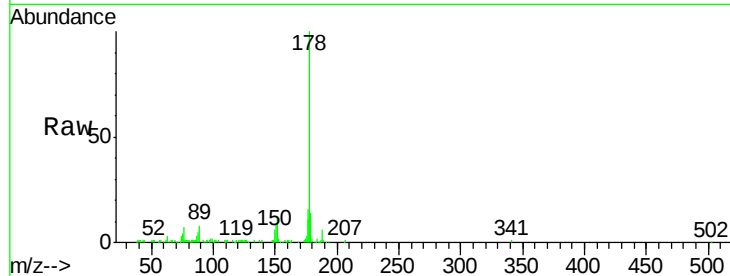
ClientSampleId :

NM57-COMP-2020-0-6

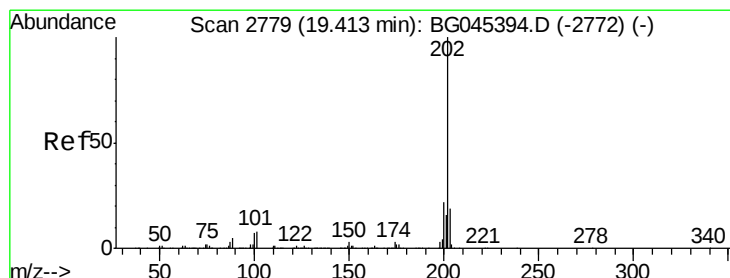
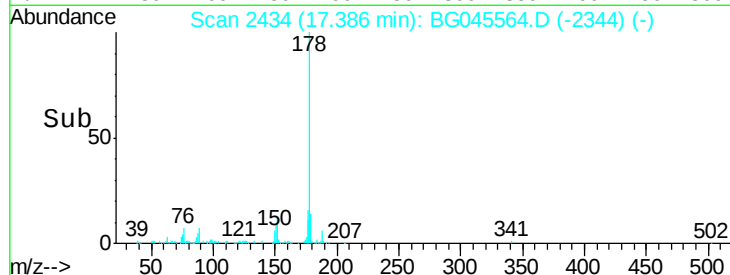
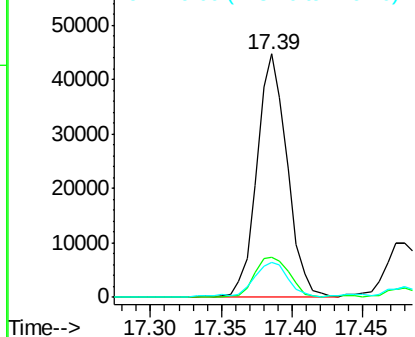
Tot Ion:	178	Resp:	67515
Ion Ratio	Lower	Upper	
178	100		
176	16.3	16.2	24.4
179	14.3	13.1	19.7

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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



#75

Fluoranthene

Concen: 6.709 ng

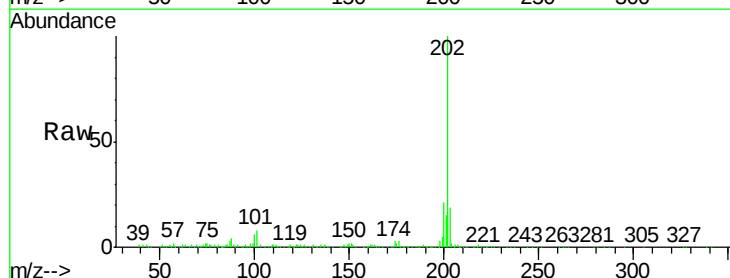
RT: 19.40 min Scan# 2777

Delta R.T. 0.00 min

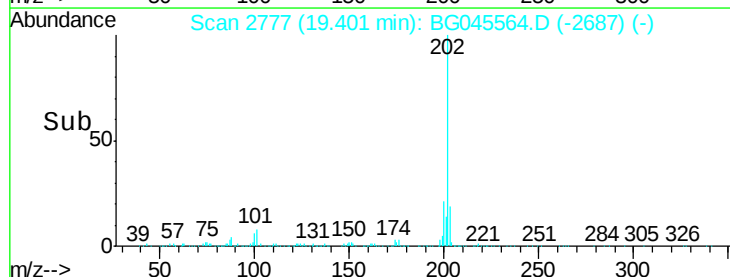
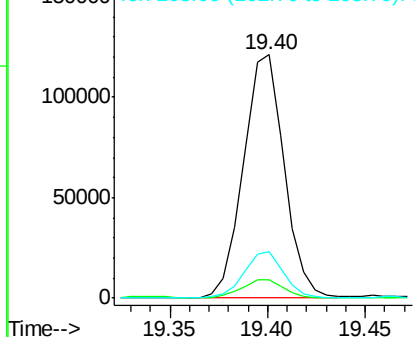
Lab File: BG045564.D

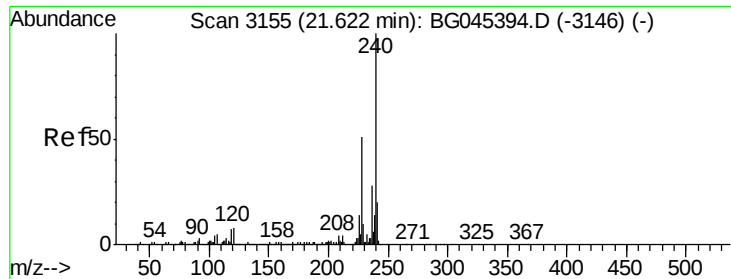
Acq: 1 Jun 2020 20:36

Tgt Ion:	202	Resp:	175529
Ion Ratio	Lower	Upper	
202	100		
101	7.7	0.0	28.3
203	19.0	0.0	39.0



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





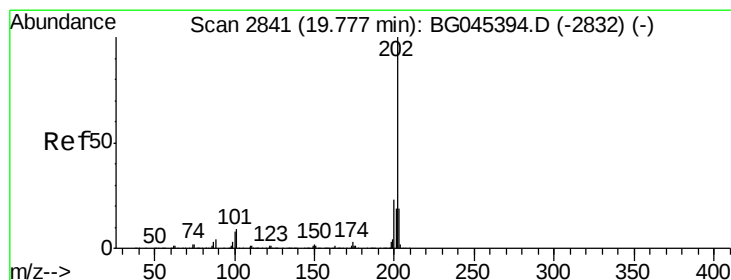
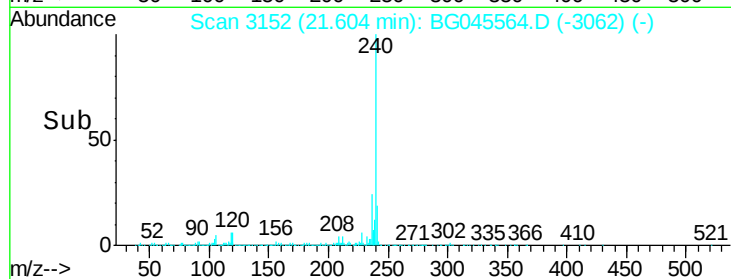
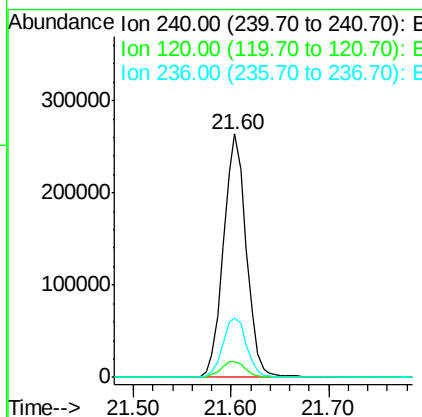
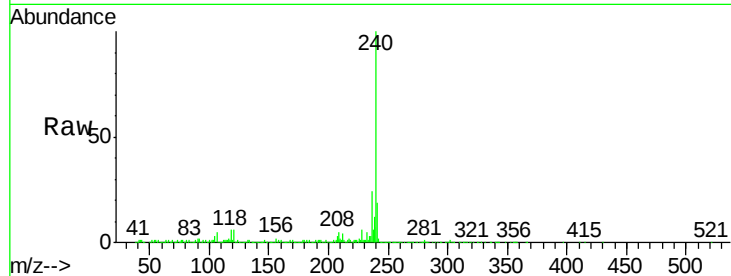
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3152
Delta R.T. 0.00 min
Lab File: BG045564.D
Acq: 1 Jun 2020 20:36

Instrument :
BNA_G
ClientSampleId :
NM57-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.4	6.1	9.1
236	24.4	22.3	33.5

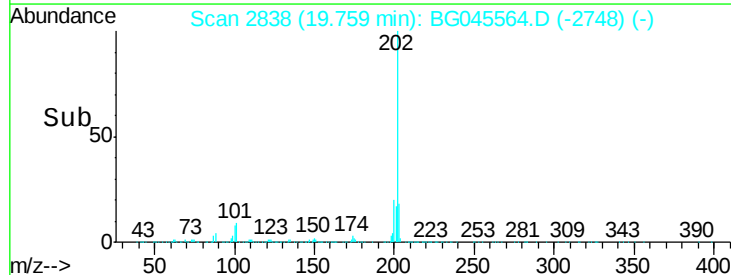
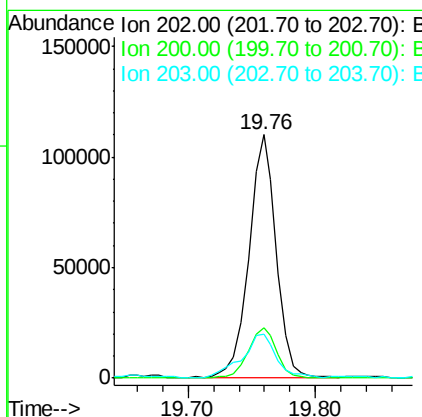
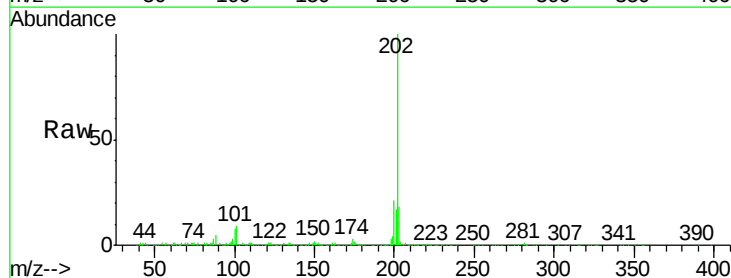
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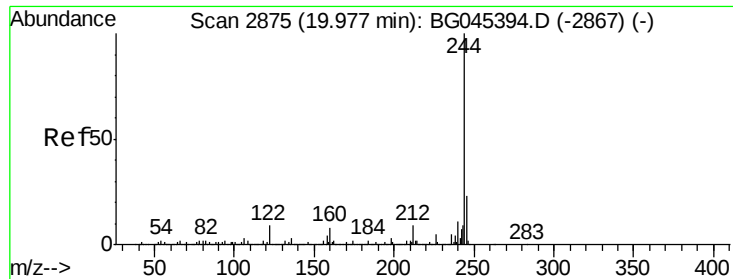
mohammad
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#78
Pyrene
Concen: 6.757 ng
RT: 19.76 min Scan# 2838
Delta R.T. 0.00 min
Lab File: BG045564.D
Acq: 1 Jun 2020 20:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	18.2	27.2
203	18.2	15.1	22.7





#79

Terphenyl-d14

Concen: 60.566 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045564.D

Acq: 1 Jun 2020 20:36

Instrument :

BNA_G

ClientSampleId :

NM57-COMP-2020-0-6

Tot Ion:244 Resp: 1112256

Ion Ratio Lower Upper

244 100

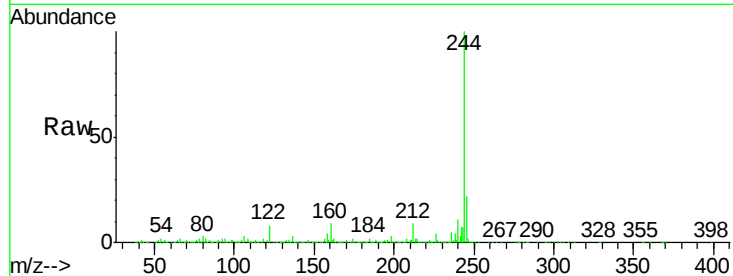
212 8.8 7.4 11.0

122 8.1 6.8 10.2

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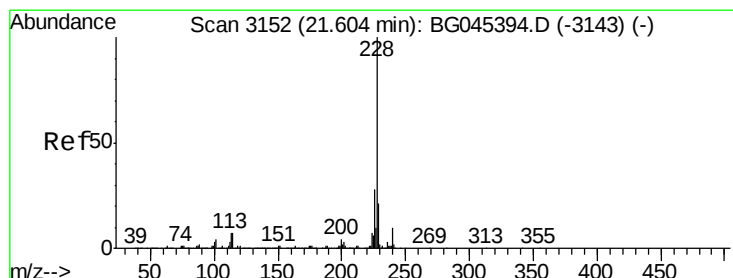
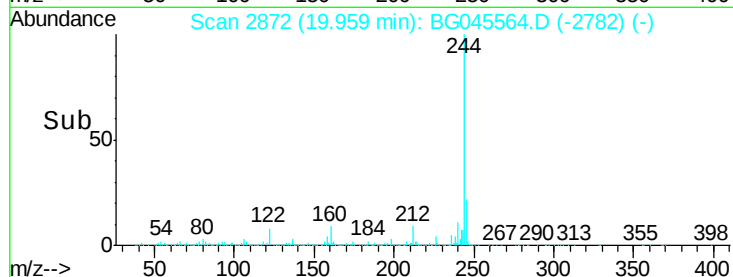
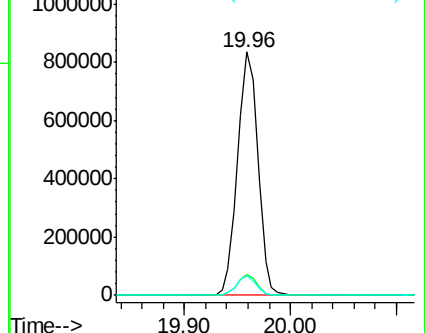
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.936 ng

RT: 21.59 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BG045564.D

Acq: 1 Jun 2020 20:36

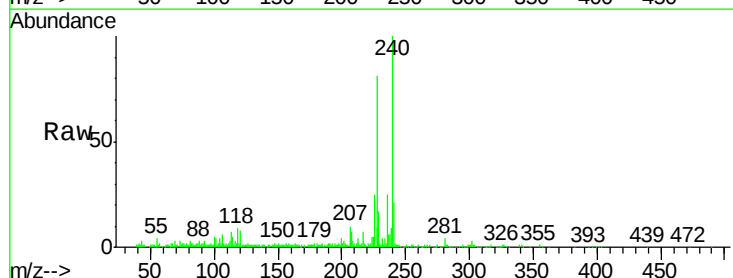
Tgt Ion:228 Resp: 93917

Ion Ratio Lower Upper

228 100

226 30.9 22.7 34.1

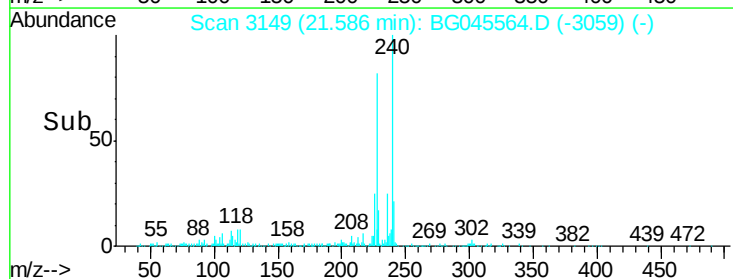
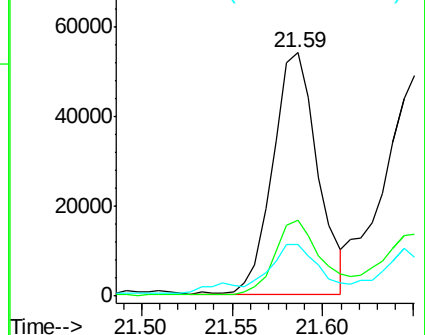
229 21.1 16.7 25.1

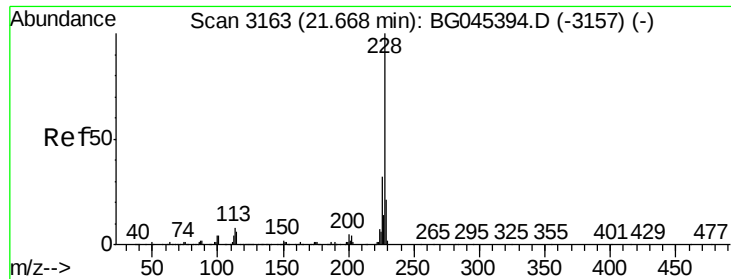


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.072 ng/mL

RT: 21.65 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BG045564.D

Acq: 1 Jun 2020 20:36

Instrument :

BNA_G

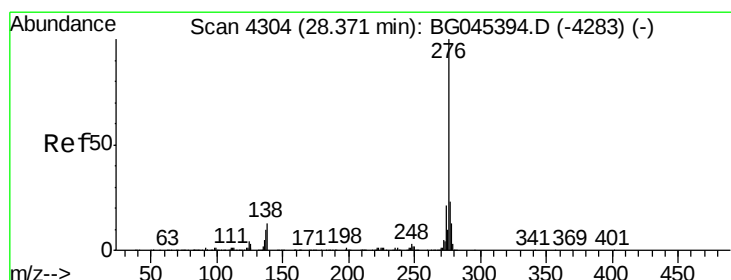
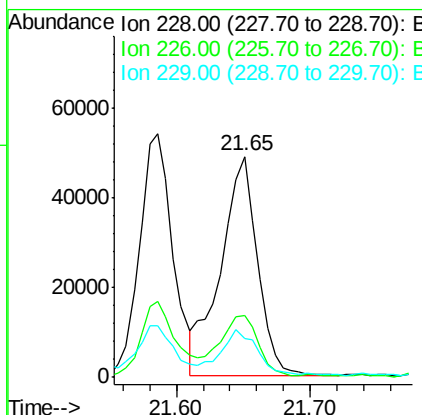
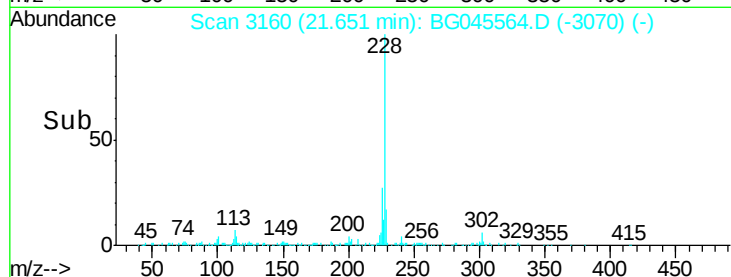
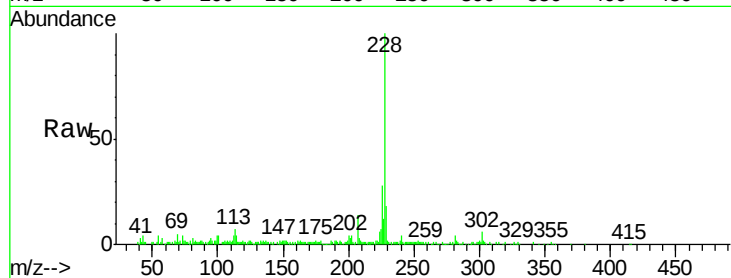
ClientSampleId :

NM57-COMP-2020-0-6

Tot Ion:	228	Resp:	93412
Ion Ratio	Lower	Upper	
228	100		
226	28.1	25.2	37.8
229	17.6	16.7	25.1

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#86

Indeno(1,2,3-cd)pyrene

Concen: 2.434 ng/mL

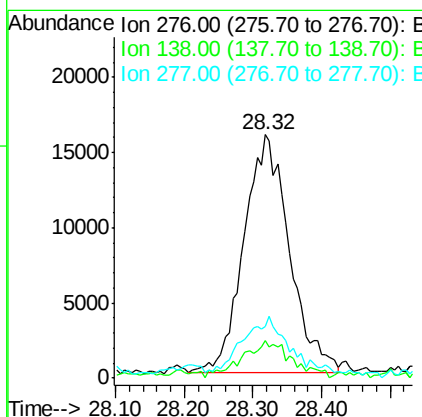
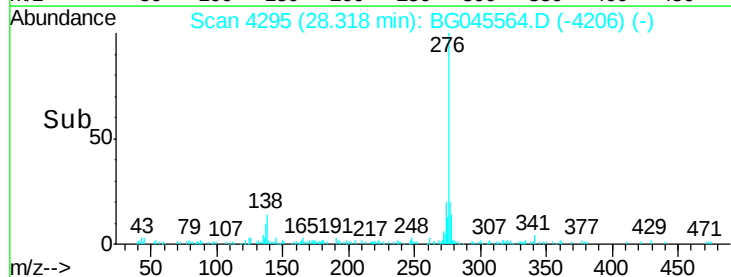
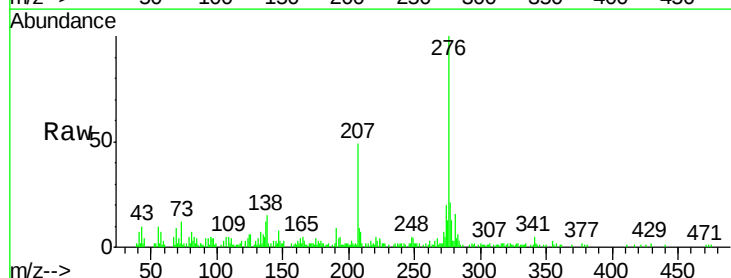
RT: 28.32 min Scan# 4295

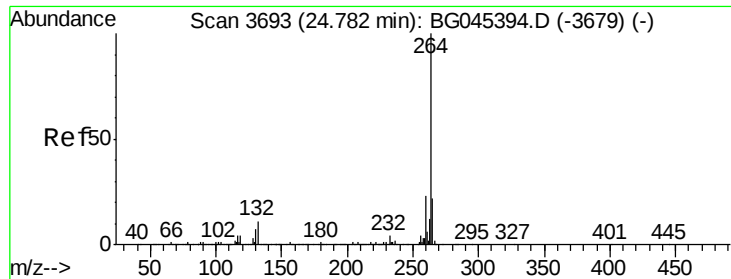
Delta R.T. -0.01 min

Lab File: BG045564.D

Acq: 1 Jun 2020 20:36

Tgt Ion:	276	Resp:	73035
Ion Ratio	Lower	Upper	
276	100		
138	17.2	8.6	12.8#
277	24.9	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.75 min Scan# 3688

Delta R.T. 0.00 min

Lab File: BG045564.D

Acq: 1 Jun 2020 20:36

Instrument :

BNA_G

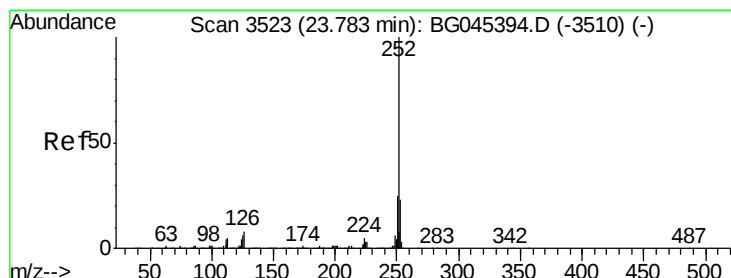
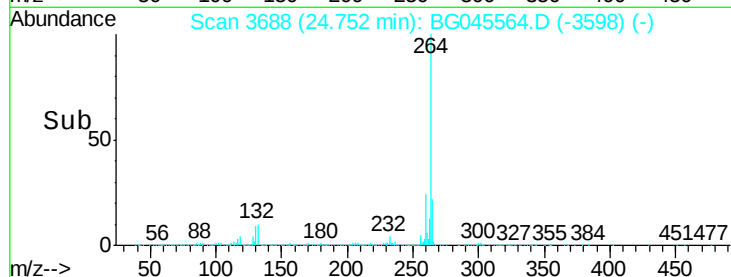
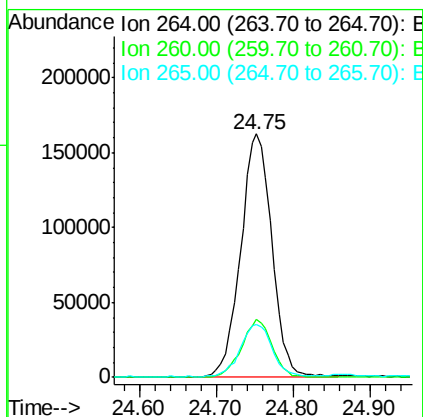
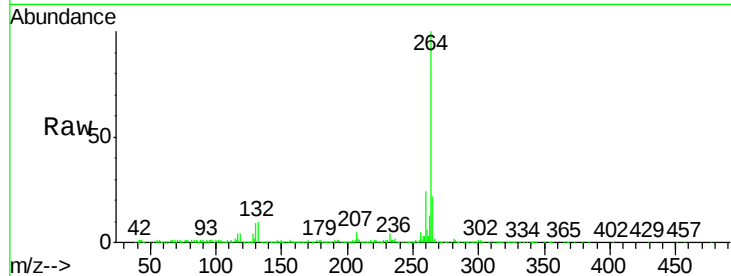
ClientSampleId :

NM57-COMP-2020-0-6

Tot Ion:	264	Resp:	459798
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.2	27.4
265	22.0	17.6	26.4

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#88

Benzo(b)fluoranthene

Concen: 5.527 ng

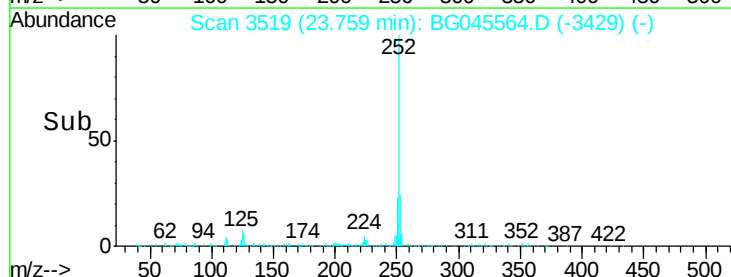
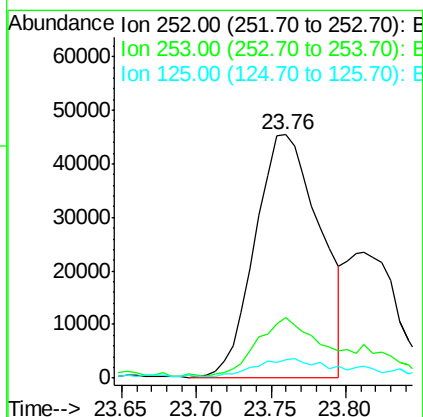
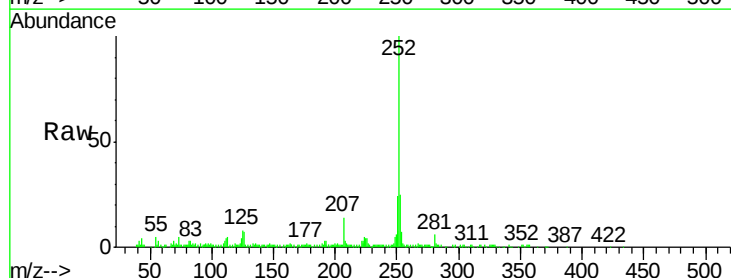
RT: 23.76 min Scan# 3519

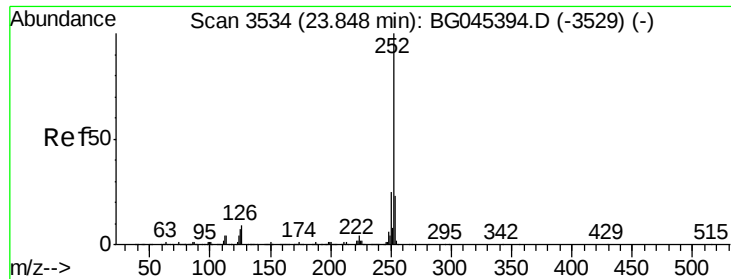
Delta R.T. 0.00 min

Lab File: BG045564.D

Acq: 1 Jun 2020 20:36

Tgt Ion:	252	Resp:	136291
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.1	27.1
125	7.6	5.0	7.6#





#89

Benzo(k)fluoranthene

Concen: 2.360 ng/mL

RT: 23.81 min Scan# 3528

Delta R.T. -0.01 min

Lab File: BG045564.D

Acq: 1 Jun 2020 20:36

Instrument :

BNA_G

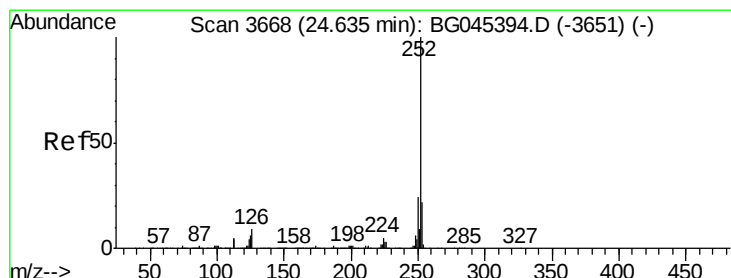
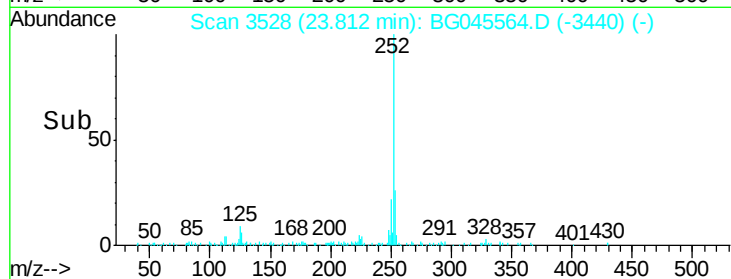
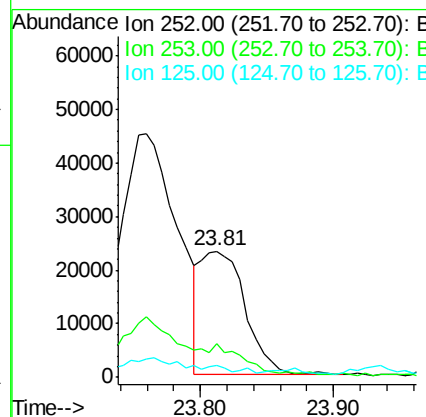
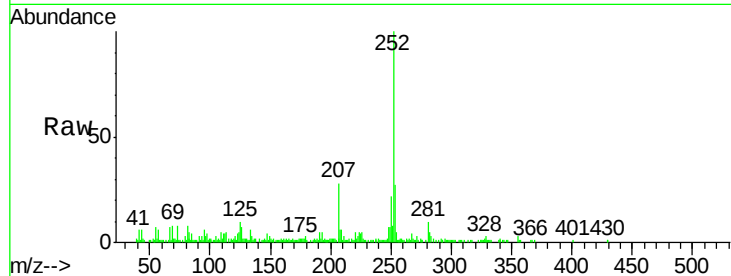
ClientSampleId :

NM57-COMP-2020-0-6

Tot Ion:	252	Resp:	54671
Ion Ratio	Lower	Upper	
252	100		
253	26.6	18.4	27.6
125	9.9	5.7	8.5#

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#90

Benzo(a)pyrene

Concen: 4.409 ng/mL

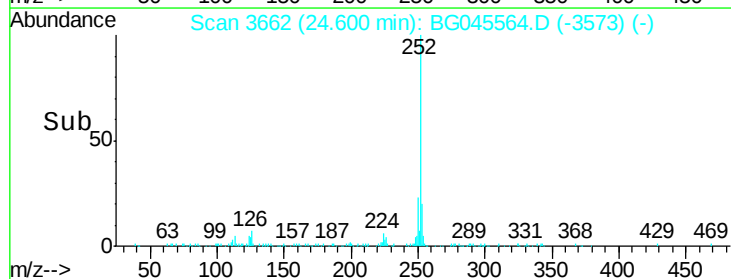
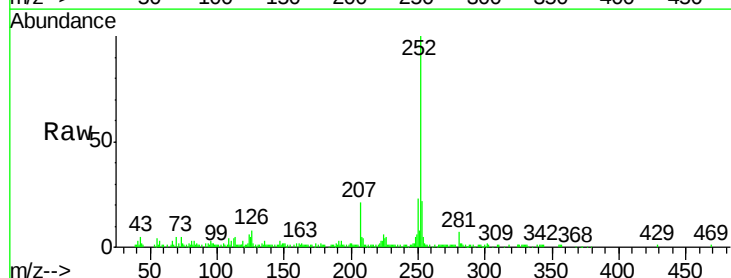
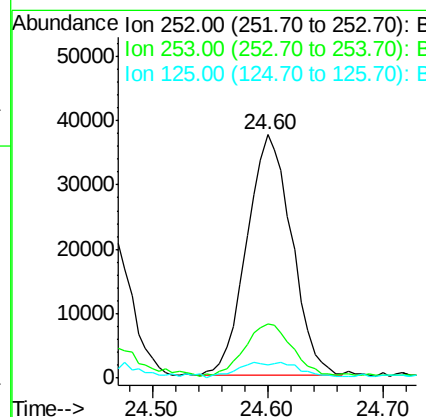
RT: 24.60 min Scan# 3662

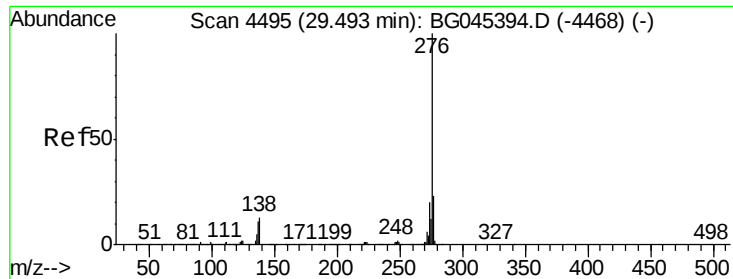
Delta R.T. -0.01 min

Lab File: BG045564.D

Acq: 1 Jun 2020 20:36

Tgt Ion:	252	Resp:	101248
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	5.3	5.0	7.6





#92

Benzo(a,h,i)perylene

Concen: 3.085 ng

RT: 29.43 min Scan# 4484

Delta R.T. -0.01 min

Lab File: BG045564.D

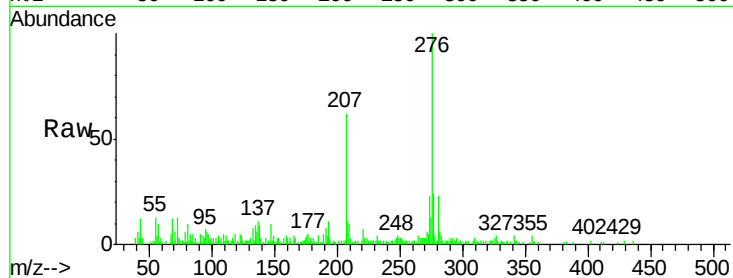
Acq: 1 Jun 2020 20:36

Instrument :

BNA_G

ClientSampleId :

NM57-COMP-2020-0-6



Tot Ion:	276	Resp:	71204
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.1	27.1
138	9.3	10.2	15.4#

Manual Integrations
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