

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
 Data File : BG045487.D
 Acq On : 27 May 2020 22:20
 Operator : CG/JU
 Sample : L2746-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NM71-COMP-2020-0-6

Manual Integrations
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Quant Time: May 28 01:55:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 13:40:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	110496	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	442102	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	298402	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	612819	20.00	ng	0.00
76) Chrysene-d12	21.61	240	520369	20.00	ng	0.00
87) Perylene-d12	24.76	264	567668	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	464782	82.20	ng	0.00
7) Phenol-d6	7.17	99	736892	91.57	ng	0.00
23) Nitrobenzene-d5	9.12	82	556151	68.60	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	357512	93.68	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1272007	72.30	ng	0.00
79) Terphenyl-d14	19.97	244	1612048	72.25	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.05	163	190829	9.322	ng	100
71) Phenanthrene	17.39	178	537599	20.095	ng	100
72) Anthracene	17.48	178	125167	4.659	ng	98
73) Carbazole	17.76	167	56807	2.169	ng	# 97
75) Fluoranthene	19.40	202	945827	27.795	ng	99
78) Pyrene	19.77	202	845548	28.505	ng	98
81) Benzo(a)anthracene	21.59	228	481435	16.608	ng	99
83) Chrysene	21.65	228	441398	15.836	ng	97
86) Indeno(1,2,3-cd)pyrene	28.34	276	295518	8.108	ng	96
88) Benzo(b)fluoranthene	23.77	252	637035	20.924	ng	99
89) Benzo(k)fluoranthene	23.82	252	214411m	7.496	ng	
90) Benzo(a)pyrene	24.61	252	465959	16.434	ng	95
91) Dibenzo(a,h)anthracene	28.38	278	71971	2.526	ng	94
92) Benzo(g,h,i)perylene	29.45	276	282248	9.905	ng	98

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

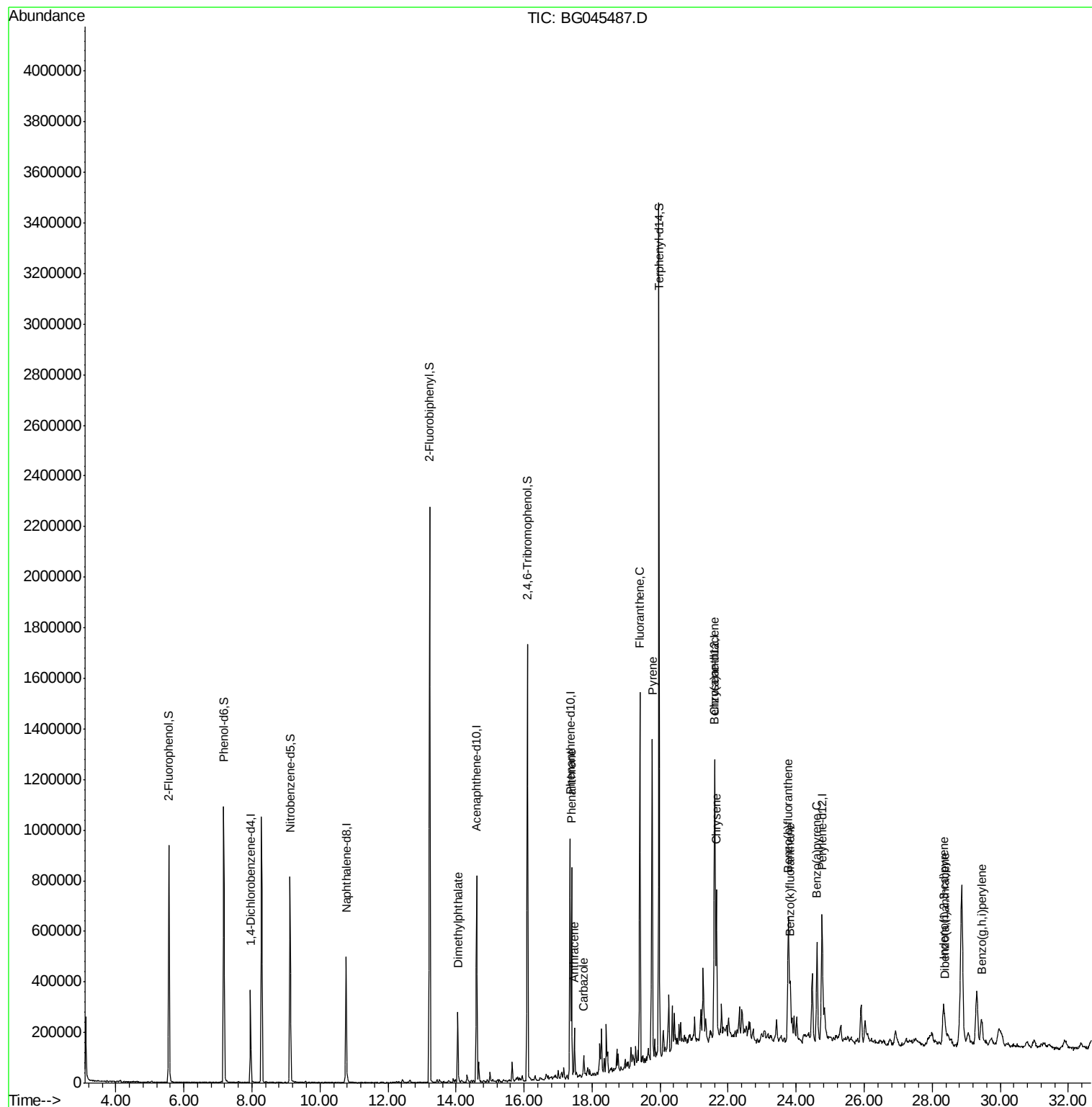
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
Data File : BG045487.D
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ALS Vial : 16 Sample Multiplier: 1

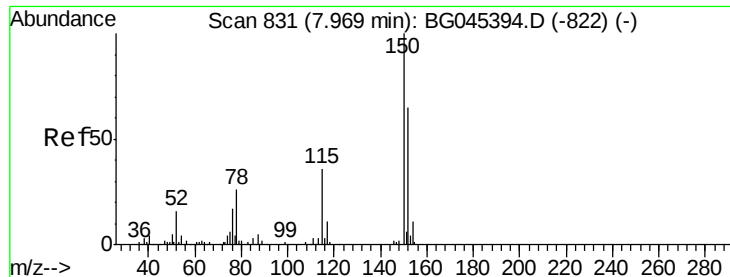
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#1

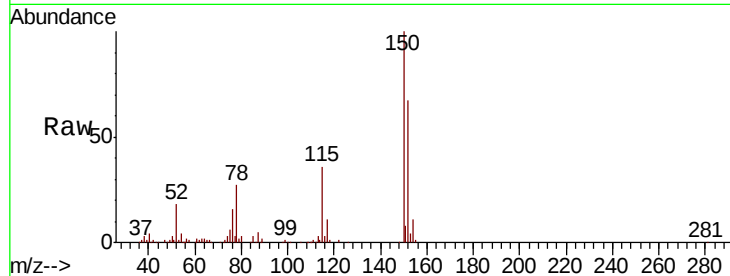
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG045487.D
Acq: 27 May 2020 22:20

Instrument :
BNA_G
ClientSampleId :
NM71-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.1	122.4	183.6
115	54.0	44.2	66.4

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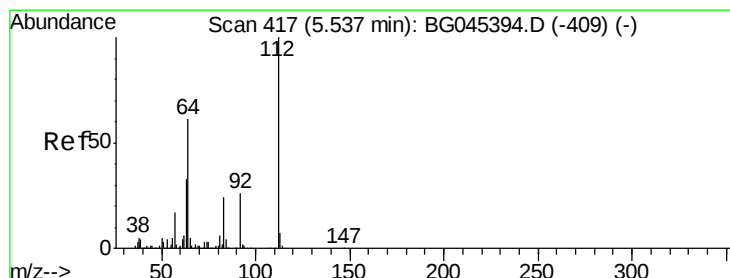
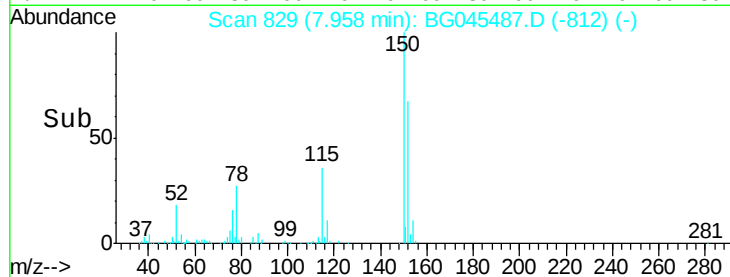
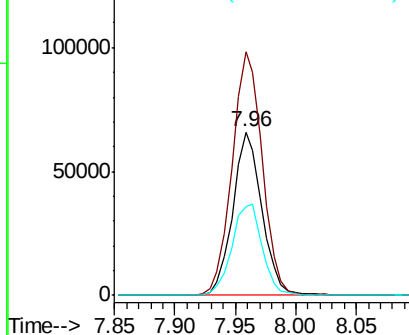


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

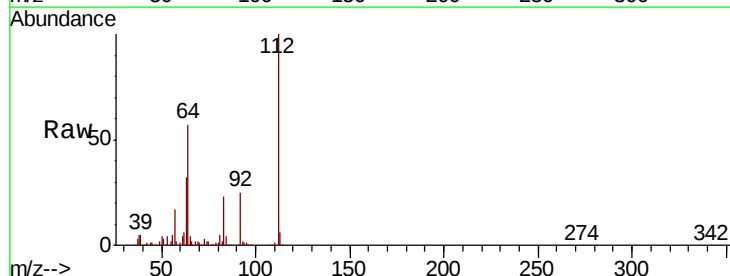
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 82.204 ng
RT: 5.56 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG045487.D
Acq: 27 May 2020 22:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	48.6	72.8
63	32.4	26.5	39.7

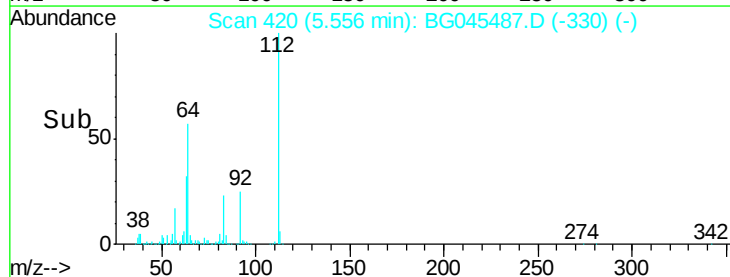
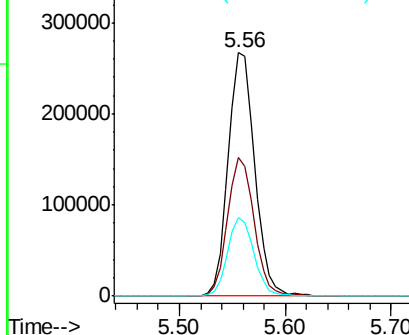


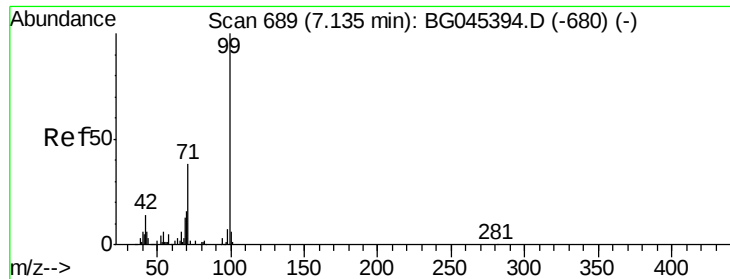
Abundance

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: 91.570 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Instrument :

BNA_G

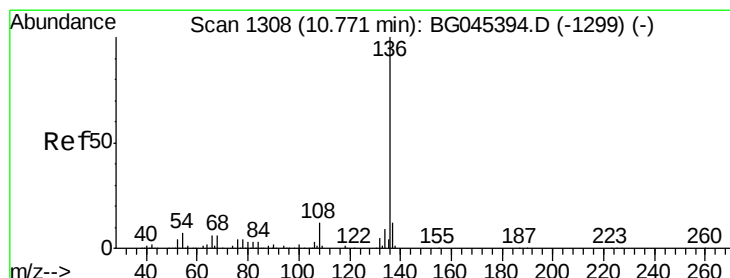
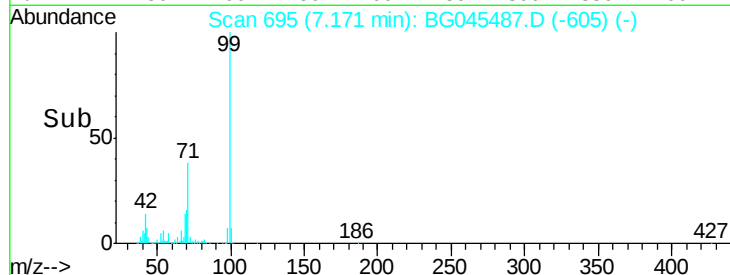
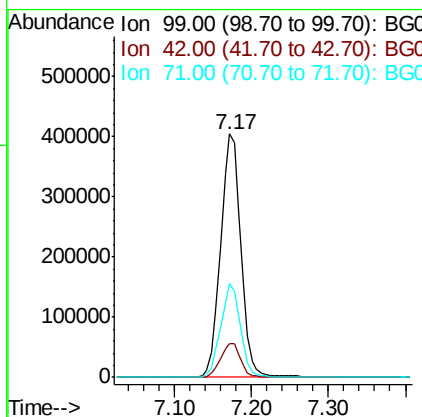
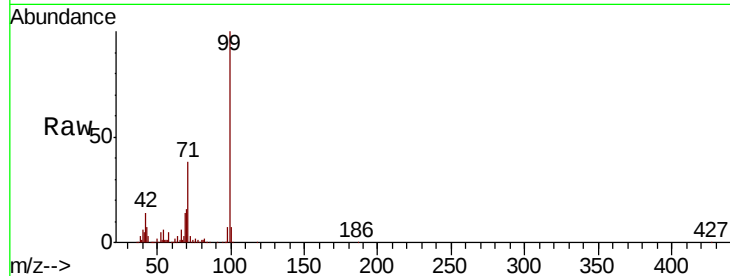
ClientSampleId :

NM71-COMP-2020-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		736892		
42	14.1	11.3	16.9		
71	38.3	30.8	46.2		

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#21

Naphthalene-d8

Concen: 20.000 ng

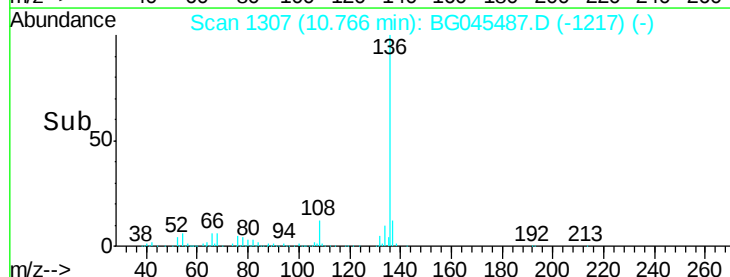
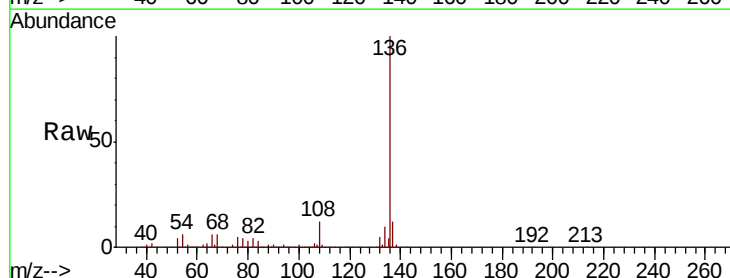
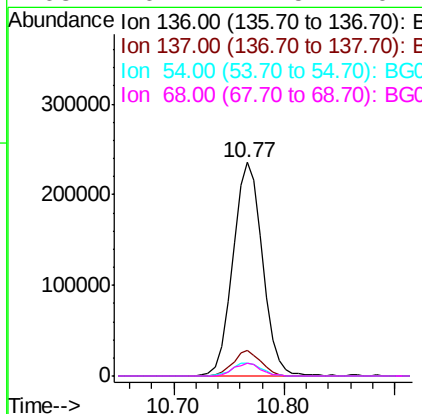
RT: 10.77 min Scan# 1307

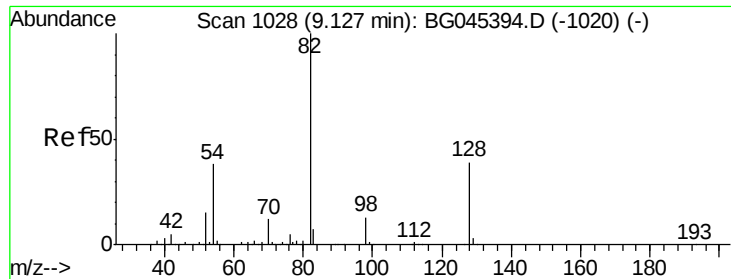
Delta R.T. 0.00 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		442102		
137	11.8	9.4	14.2		
54	6.0	5.8	8.6		
68	6.2	4.5	6.7		





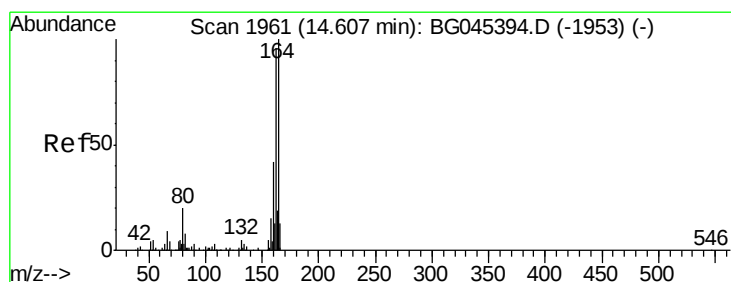
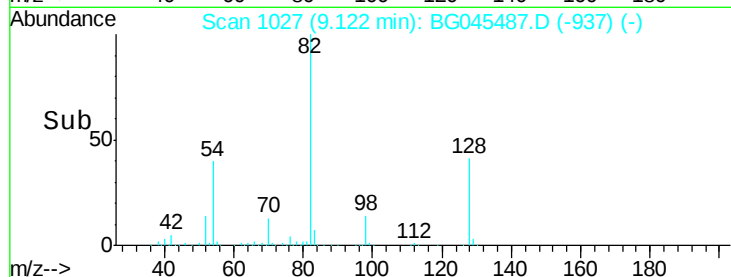
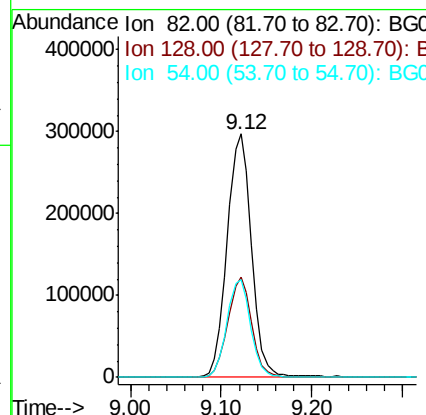
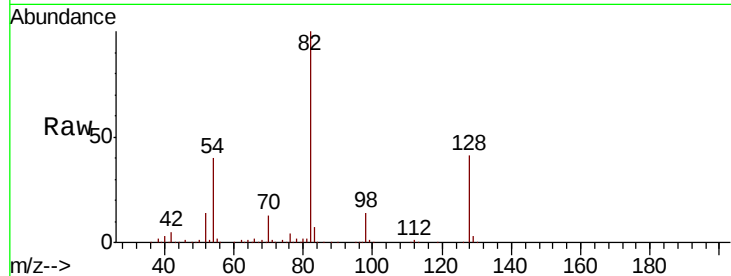
#23
Nitrobenzene-d5
Concen: 68.599 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BG045487.D
Acq: 27 May 2020 22:20

Instrument :
BNA_G
ClientSampleId :
NM71-COMP-2020-0-6

Tot Ion	82	Resp	556151
Ion Ratio	Lower	Upper	
82	100		
128	41.2	30.9	46.3
54	40.0	30.3	45.5

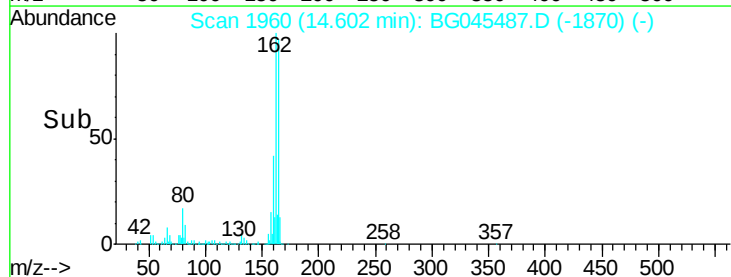
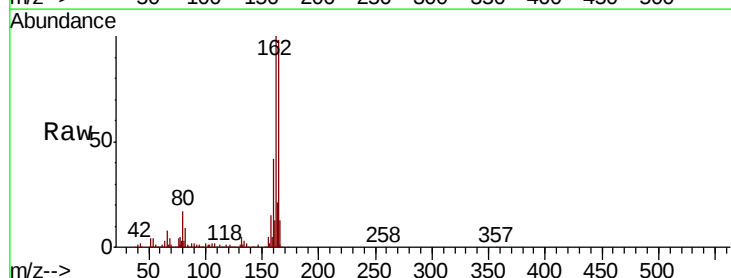
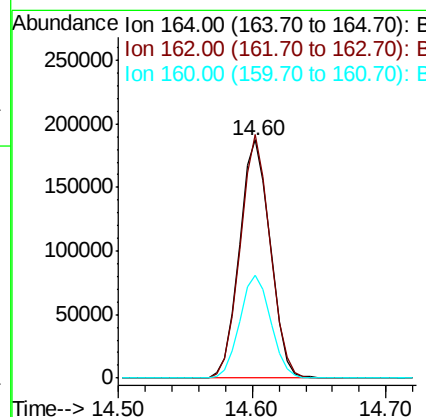
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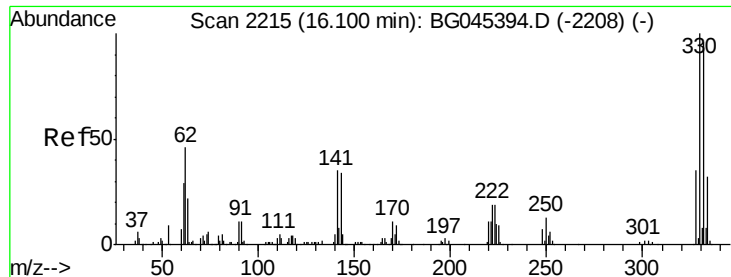
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1960
Delta R.T. 0.00 min
Lab File: BG045487.D
Acq: 27 May 2020 22:20

Tgt Ion	164	Resp	298402
Ion Ratio	Lower	Upper	
164	100		
162	102.2	76.9	115.3
160	43.3	33.8	50.8





#42

2,4,6-Tribromophenol

Concen: 93.682 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Instrument :

BNA_G

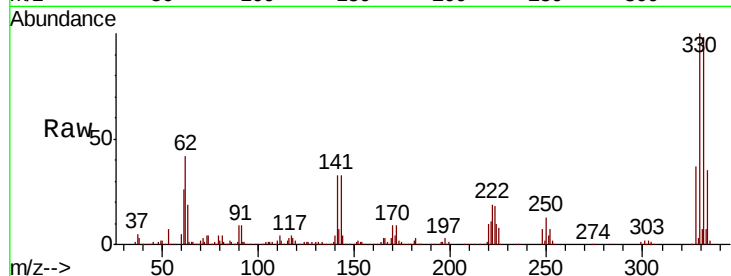
ClientSampleId :

NM71-COMP-2020-0-6

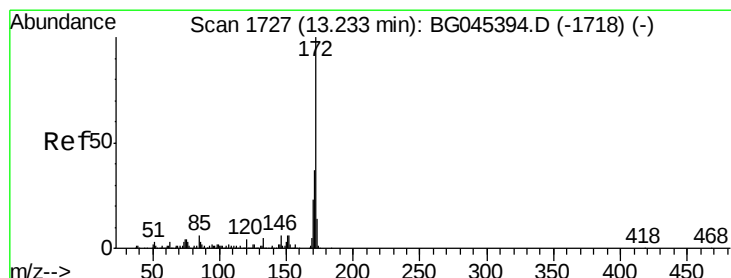
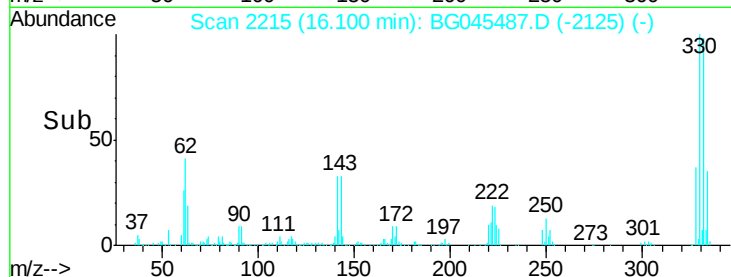
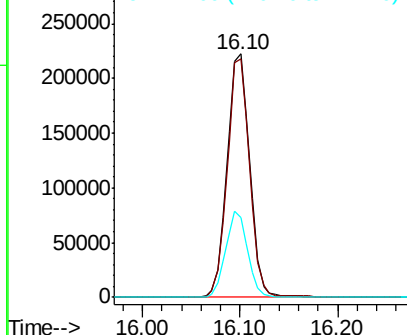
Tot Ion:	330	Resp:	357512
Ion Ratio	Lower	Upper	
330	100		
332	97.0	78.2	117.4
141	34.5	28.2	42.4

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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: 72.305 ng

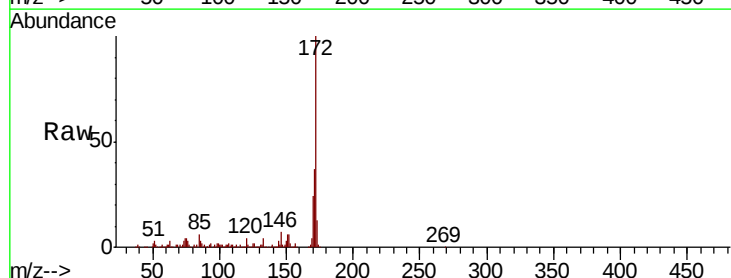
RT: 13.23 min Scan# 1726

Delta R.T. 0.00 min

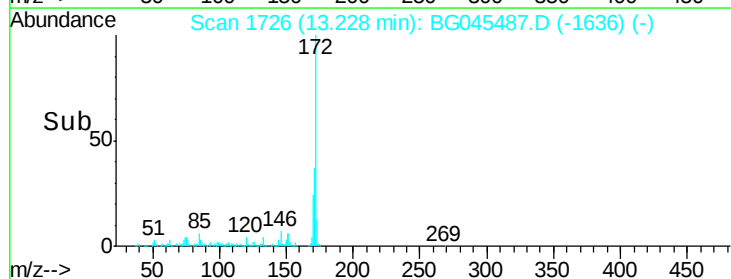
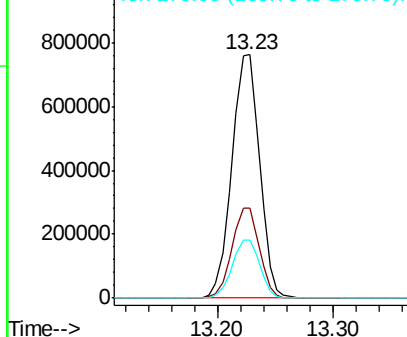
Lab File: BG045487.D

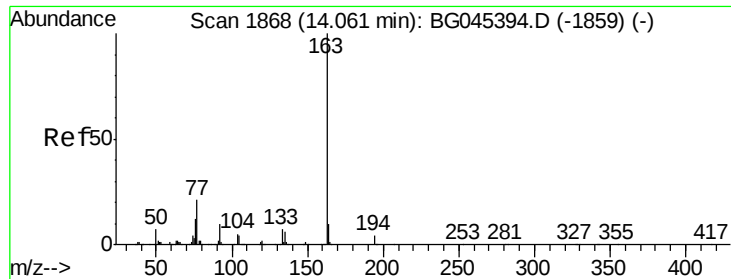
Acq: 27 May 2020 22:20

Tgt Ion:	172	Resp:	1272007
Ion Ratio	Lower	Upper	
172	100		
171	36.7	29.5	44.3
170	23.9	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





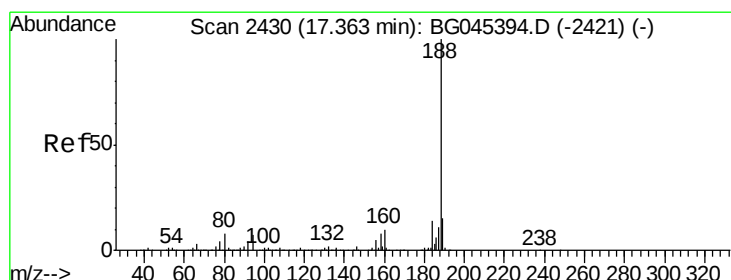
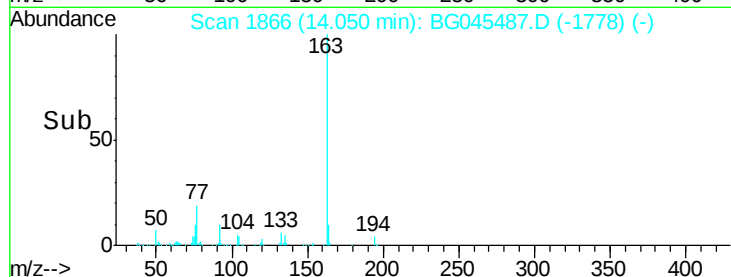
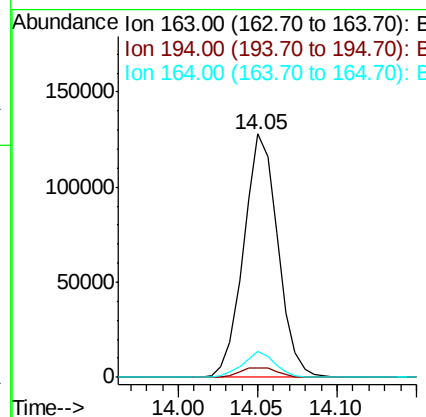
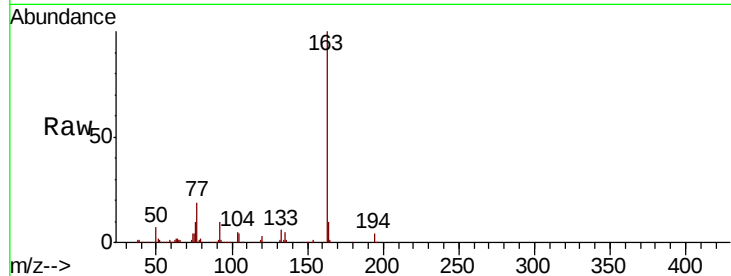
#50
Dimethylphthalate
Concen: 9.322 ng
RT: 14.05 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BG045487.D
Acq: 27 May 2020 22:20

Instrument :
BNA_G
ClientSampleId :
NM71-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
163	100	190829		
194	4.1		3.2	4.8
164	10.5		8.3	12.5

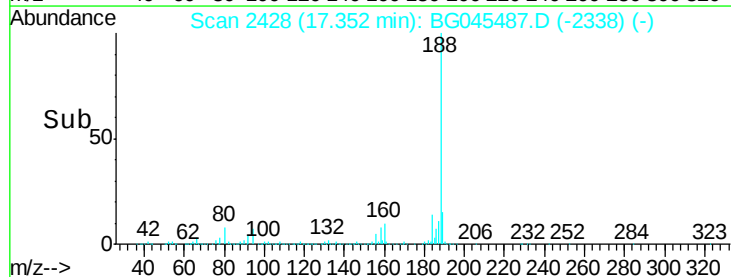
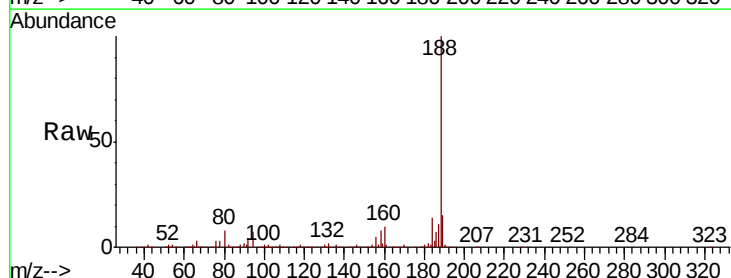
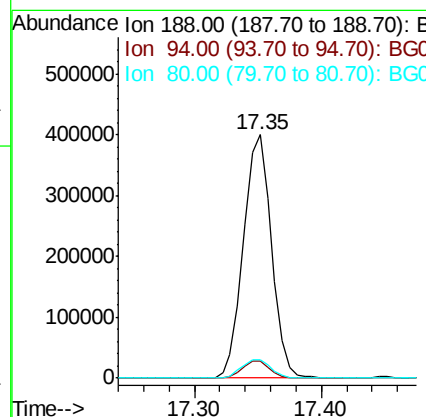
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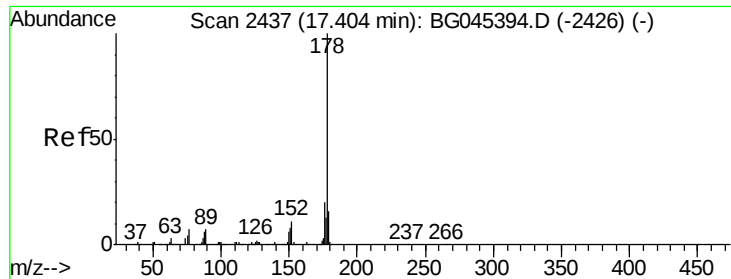
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.35 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG045487.D
Acq: 27 May 2020 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	612819		
94	6.9		5.5	8.3
80	7.6		6.6	10.0





#71

Phenanthrene

Concen: 20.095 ng

RT: 17.39 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Instrument :

BNA_G

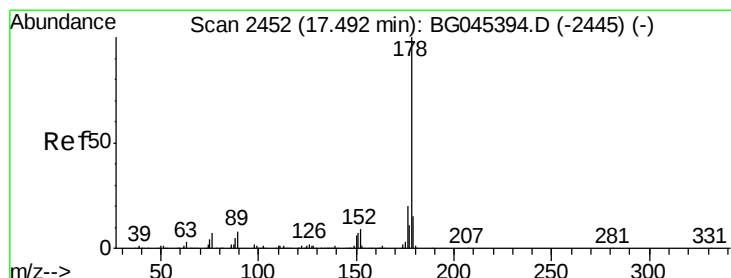
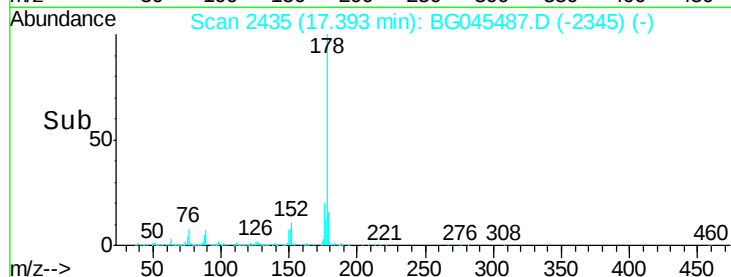
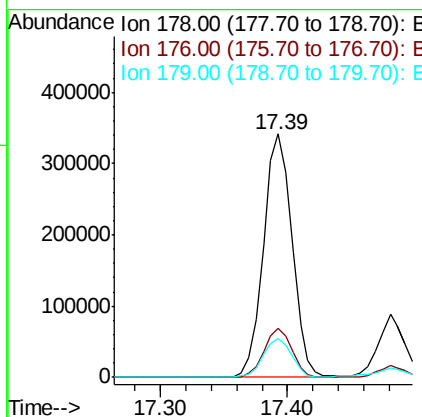
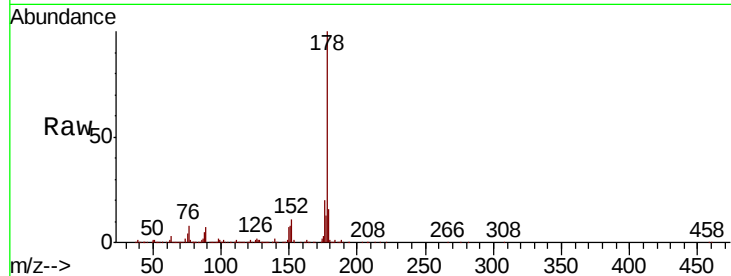
ClientSampleId :

NM71-COMP-2020-0-6

Tot Ion:178	Resp:	537599
Ion Ratio	Lower	Upper
178	100	
176	20.2	16.2 24.4
179	16.1	13.1 19.7

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#72

Anthracene

Concen: 4.659 ng

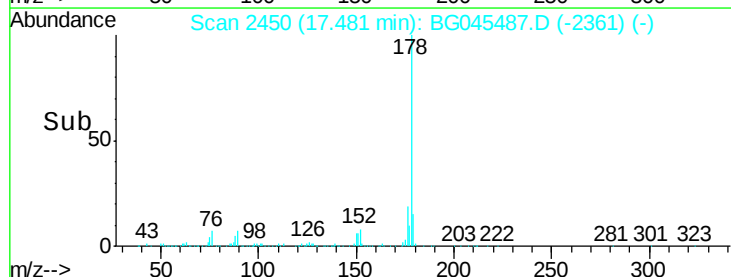
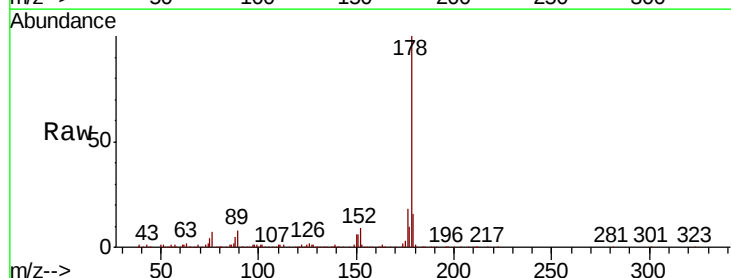
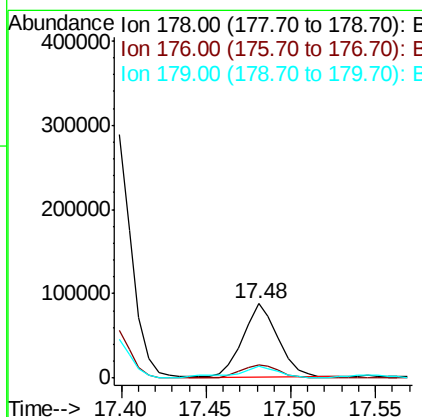
RT: 17.48 min Scan# 2450

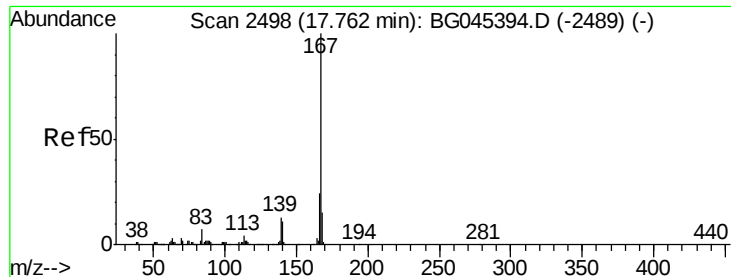
Delta R.T. -0.01 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Tgt Ion:178	Resp:	125167
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.8 23.6
179	15.7	12.2 18.4





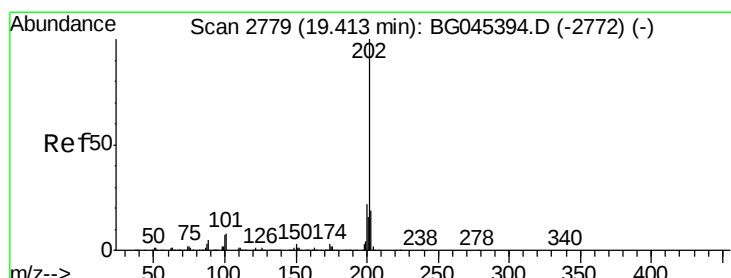
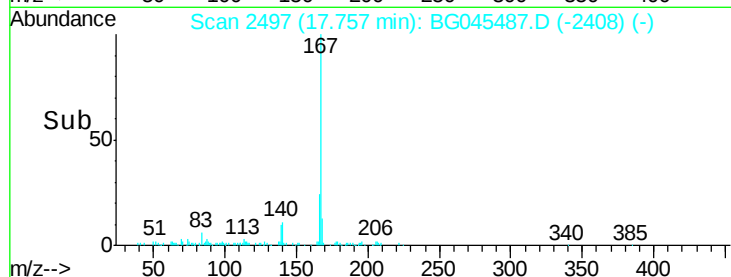
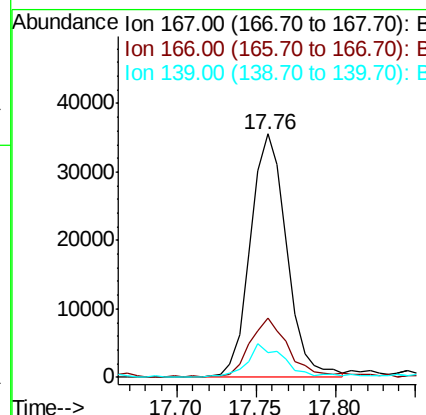
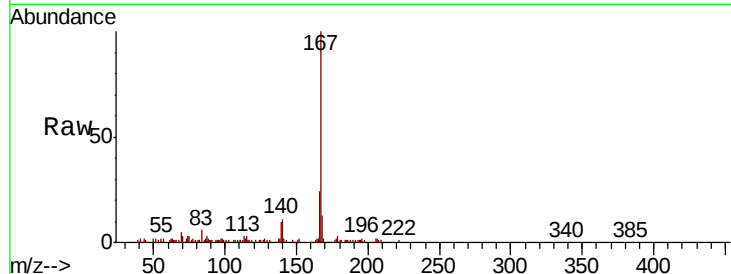
#73
 Carbazole
 Concen: 2.169 ng
 RT: 17.76 min Scan# 2497
 Delta R.T. -0.01 min
 Lab File: BG045487.D
 Acq: 27 May 2020 22:20

Instrument :
 BNA_G
 ClientSampleId :
 NM71-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.4	19.2	28.8
139	10.4	10.6	16.0

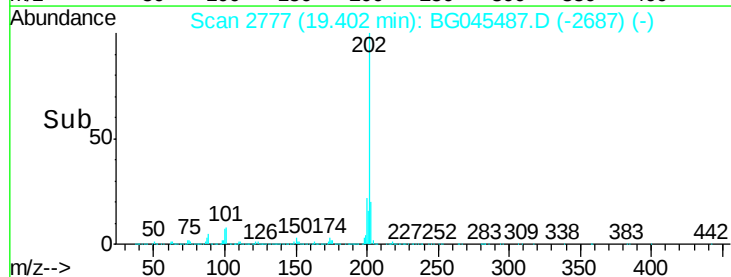
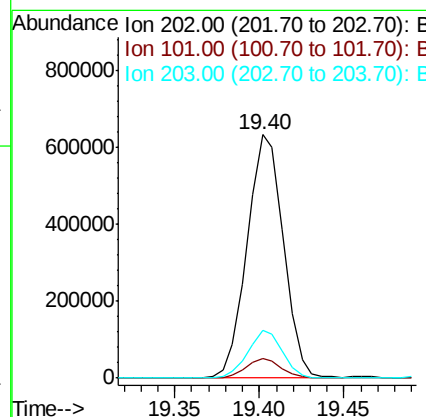
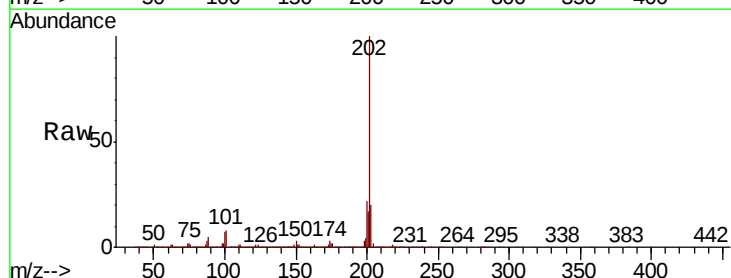
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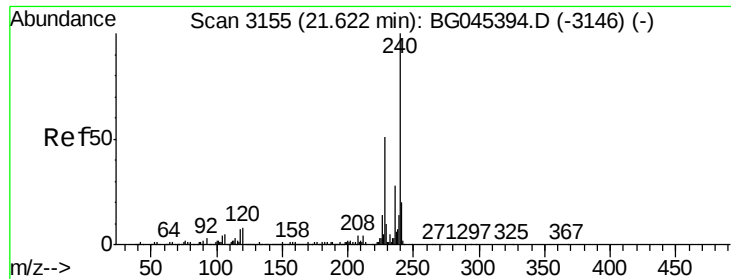
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#75
 Fluoranthene
 Concen: 27.795 ng
 RT: 19.40 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: BG045487.D
 Acq: 27 May 2020 22:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	28.3
203	19.7	0.0	39.0





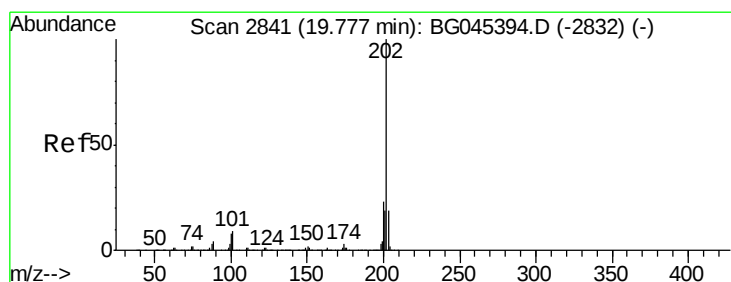
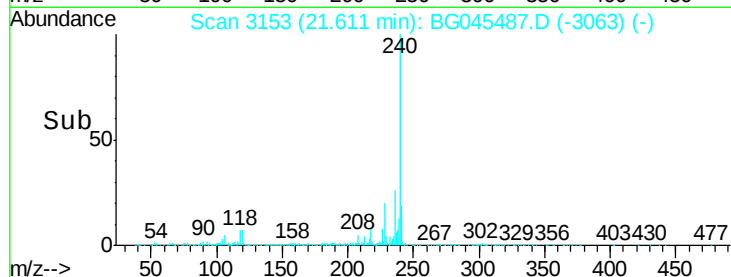
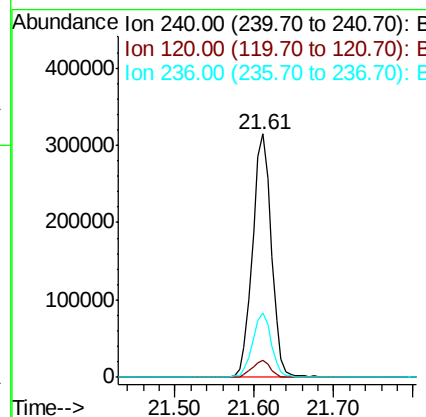
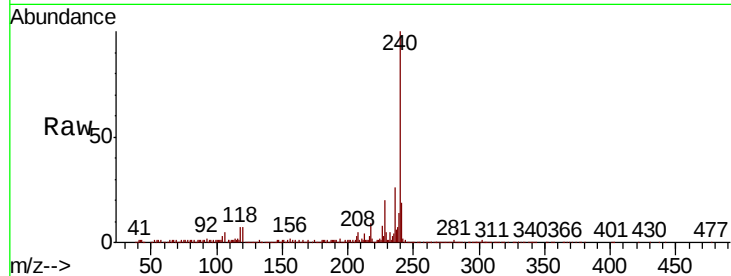
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.61 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BG045487.D
Acq: 27 May 2020 22:20

Instrument :
BNA_G
ClientSampleId :
NM71-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.1	9.1
236	26.2	22.3	33.5

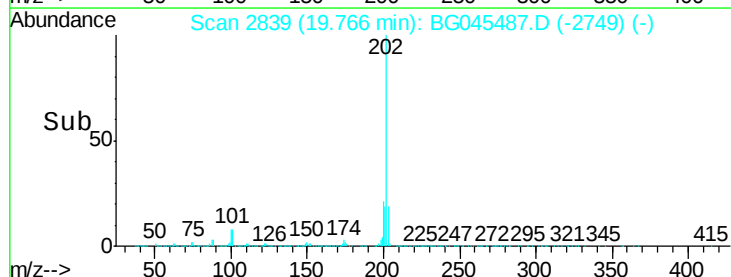
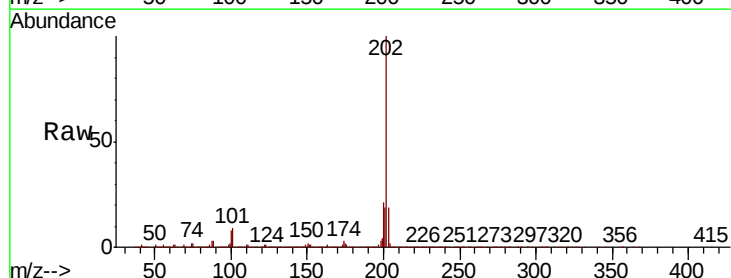
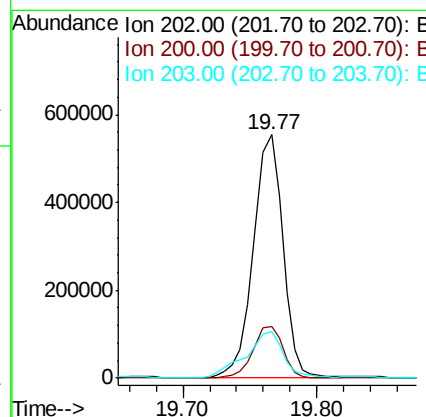
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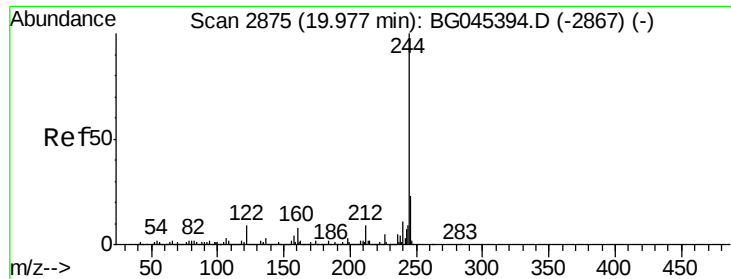
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#78
Pyrene
Concen: 28.505 ng
RT: 19.77 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BG045487.D
Acq: 27 May 2020 22:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.2	27.2
203	19.2	15.1	22.7





#79

Terphenyl-d14

Concen: 72.252 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Instrument :

BNA_G

ClientSampleId :

NM71-COMP-2020-0-6

Tot Ion:244 Resp: 1612048

Ion Ratio Lower Upper

244 100

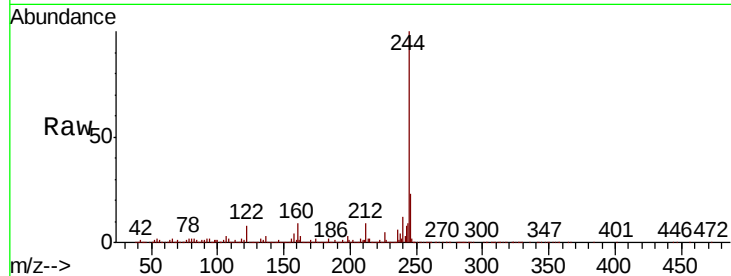
212 9.2 7.4 11.0

122 8.0 6.8 10.2

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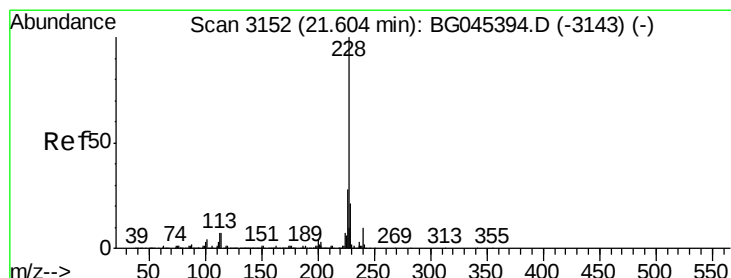
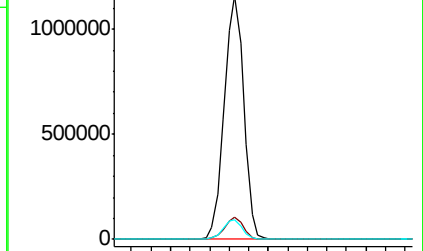
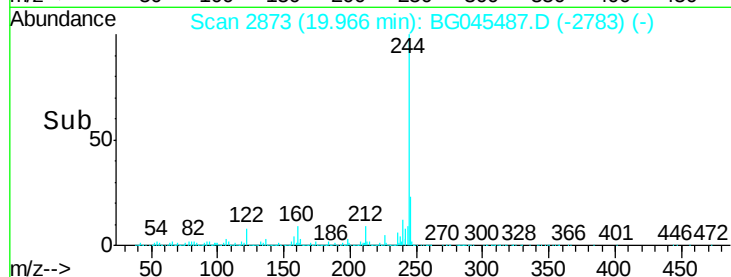
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 16.608 ng

RT: 21.59 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

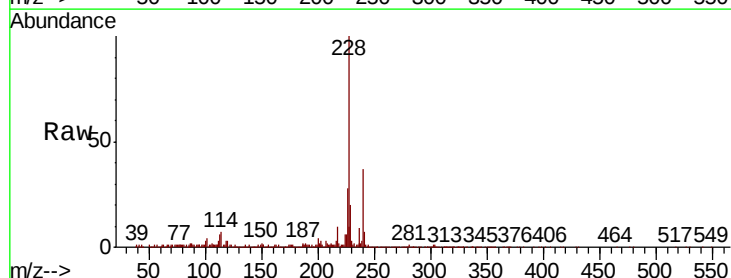
Tgt Ion:228 Resp: 481435

Ion Ratio Lower Upper

228 100

226 27.6 22.7 34.1

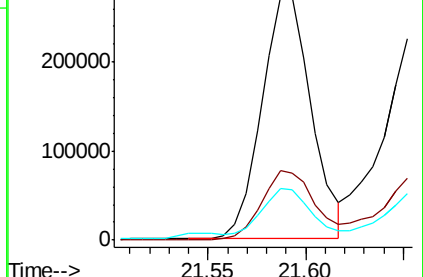
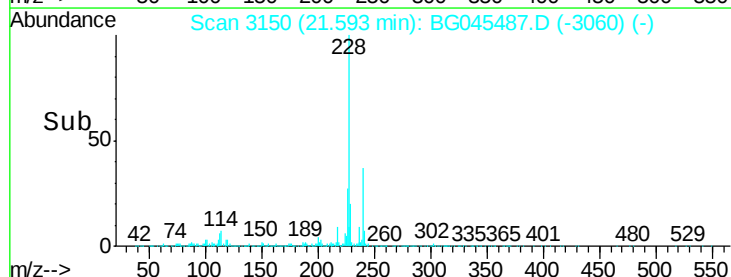
229 20.4 16.7 25.1

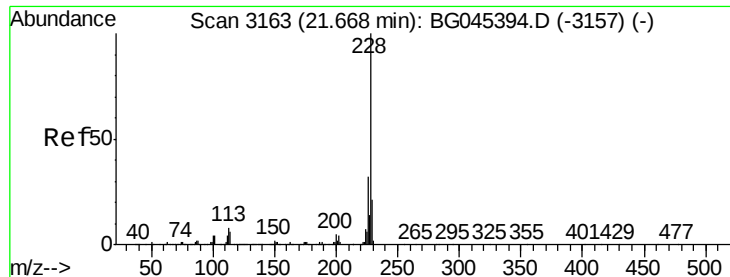


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 15.836 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Instrument :

BNA_G

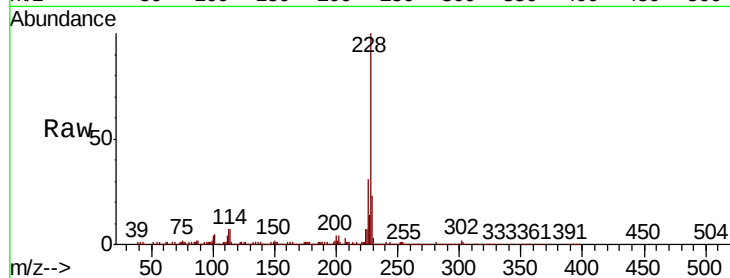
ClientSampleId :

NM71-COMP-2020-0-6

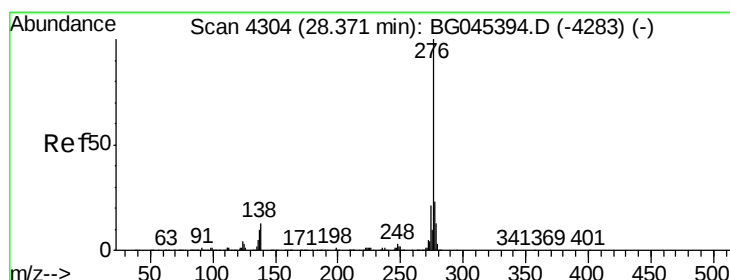
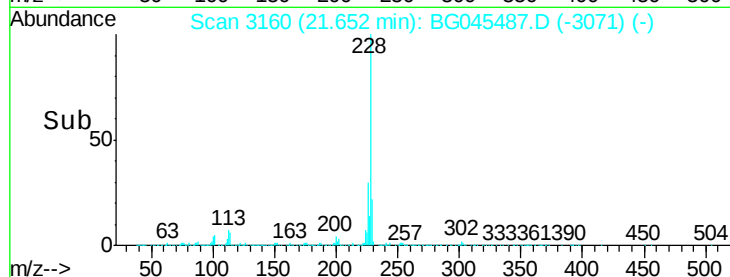
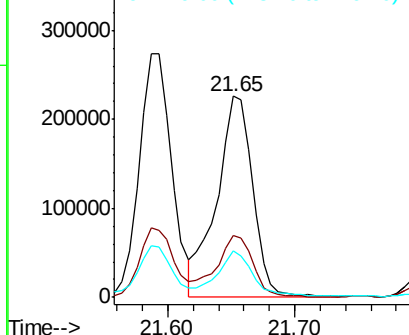
Tot Ion:	228	Resp:	441398
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.2	37.8
229	22.8	16.7	25.1

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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: 8.108 ng

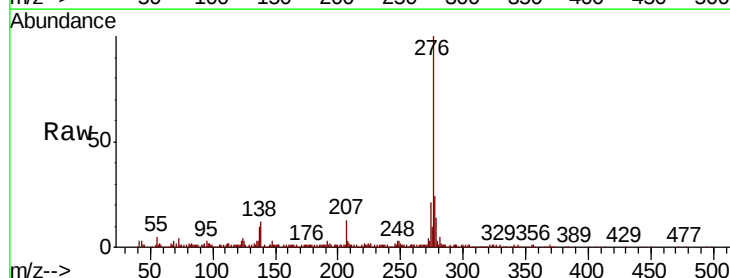
RT: 28.34 min Scan# 4298

Delta R.T. 0.01 min

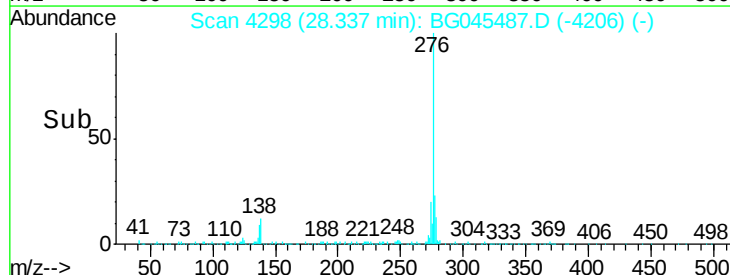
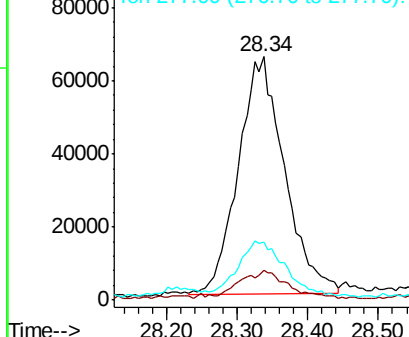
Lab File: BG045487.D

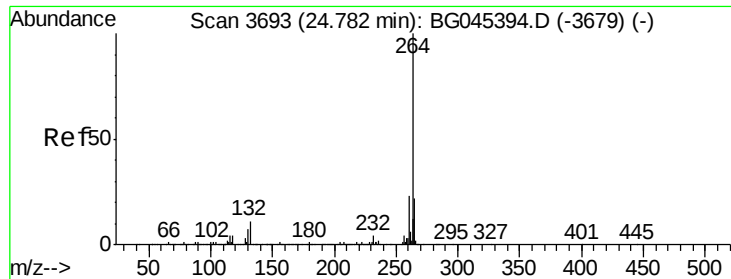
Acq: 27 May 2020 22:20

Tgt Ion:	276	Resp:	295518
Ion Ratio	Lower	Upper	
276	100		
138	11.5	8.6	12.8
277	23.0	20.2	30.4



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: 24.76 min Scan# 3689

Delta R.T. 0.00 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Instrument :

BNA_G

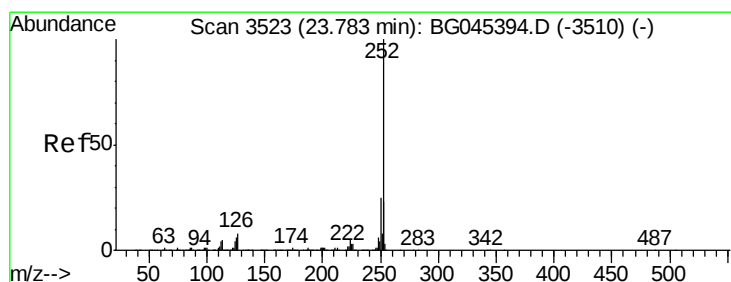
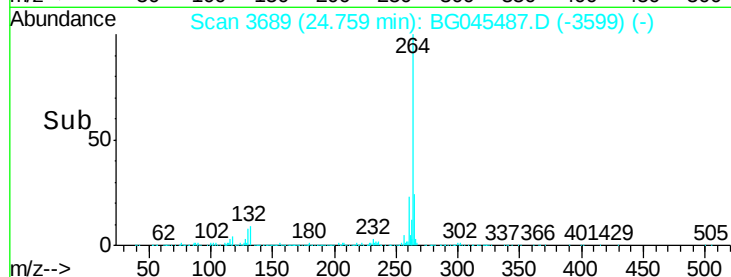
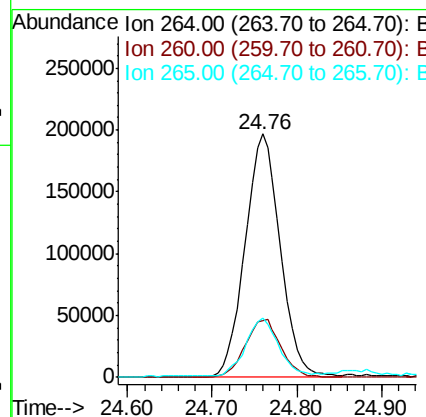
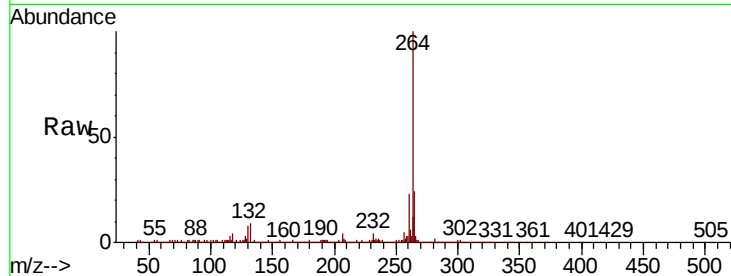
ClientSampleId :

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Tot Ion:	264	Resp:	567668
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.2	27.4
265	24.5	17.6	26.4

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#88

Benzo(b)fluoranthene

Concen: 20.924 ng

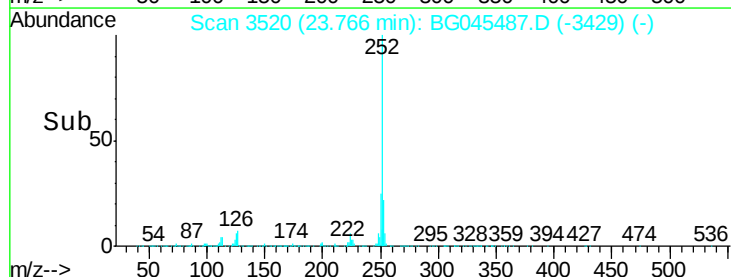
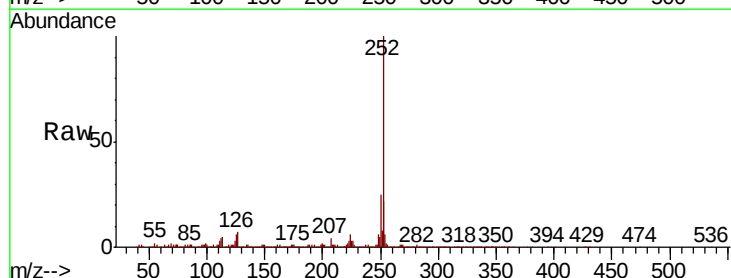
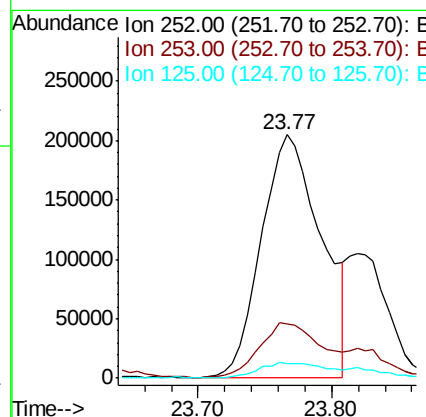
RT: 23.77 min Scan# 3520

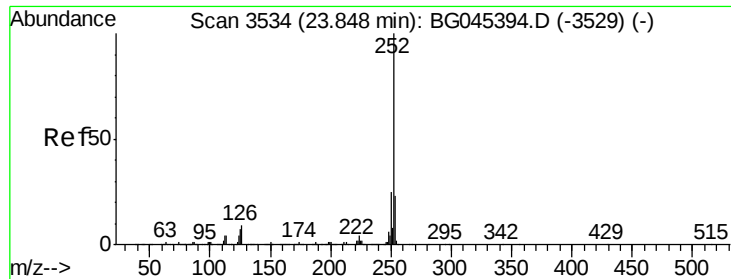
Delta R.T. 0.01 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Tgt Ion:	252	Resp:	637035
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.1	27.1
125	6.2	5.0	7.6





#89

Benzo(k)fluoranthene

Concen: 7.496 ng/mL

RT: 23.82 min Scan# 3529

Delta R.T. -0.01 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Instrument :

BNA_G

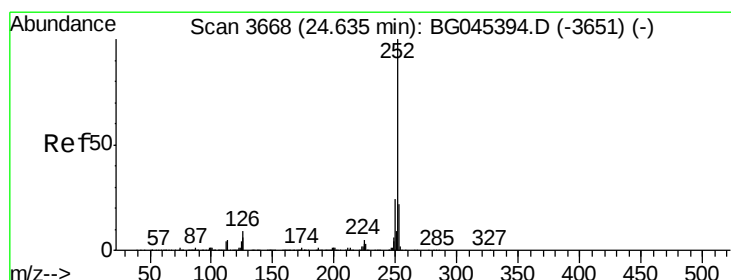
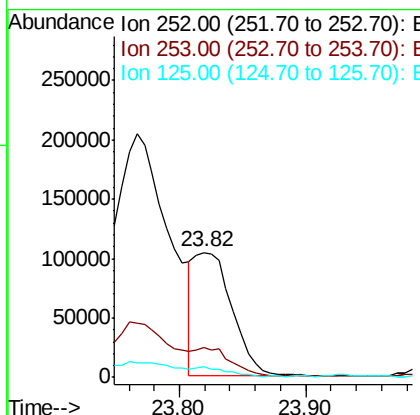
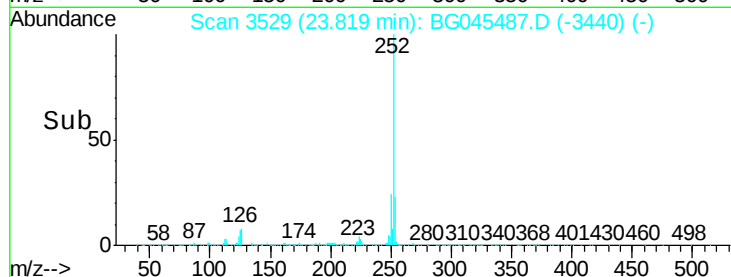
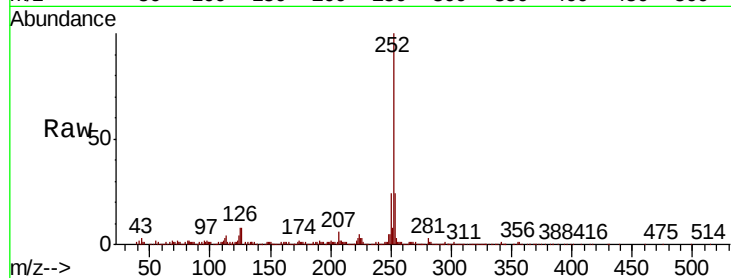
ClientSampleId :

NM71-COMP-2020-0-6

Tot Ion:	252	Resp:	214411
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.4	27.6
125	8.1	5.7	8.5

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#90

Benzo(a)pyrene

Concen: 16.434 ng/mL

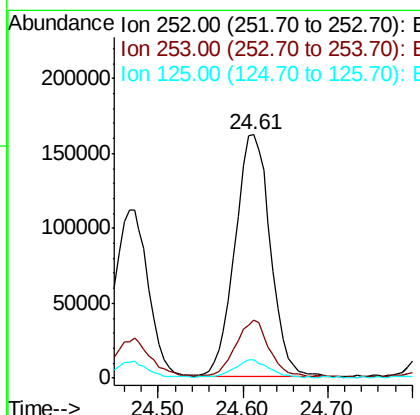
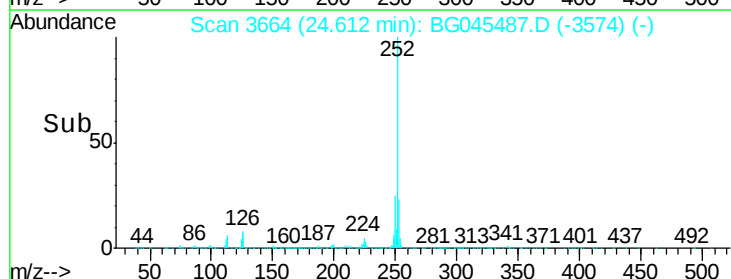
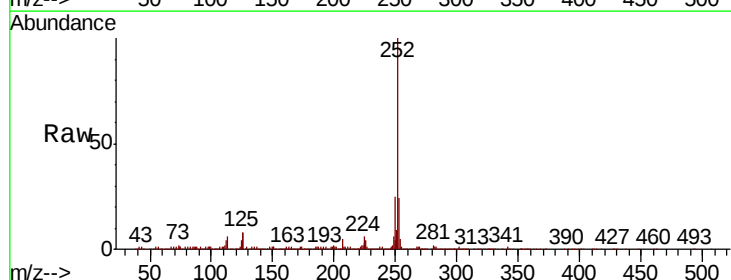
RT: 24.61 min Scan# 3664

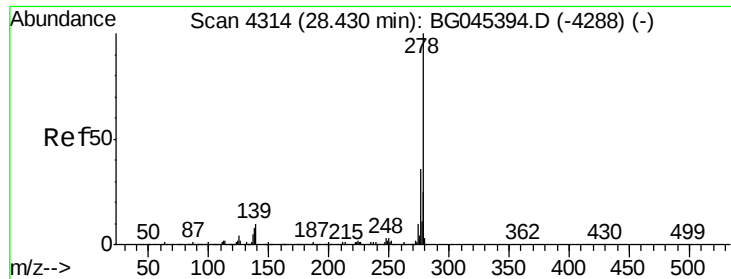
Delta R.T. 0.00 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Tgt Ion:	252	Resp:	465959
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.2	25.8
125	7.5	5.0	7.6





#91

Dibenzo(a,h)anthracene

Concen: 2.526 ng

RT: 28.38 min Scan# 4306

Delta R.T. -0.01 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Instrument :

BNA_G

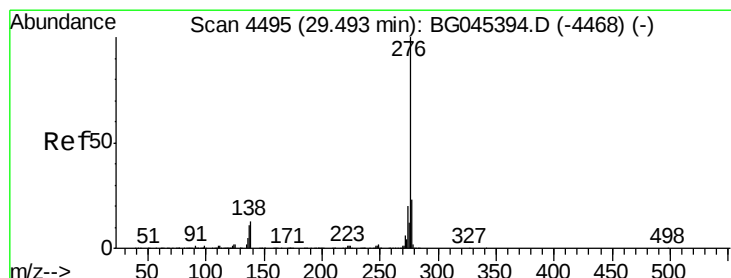
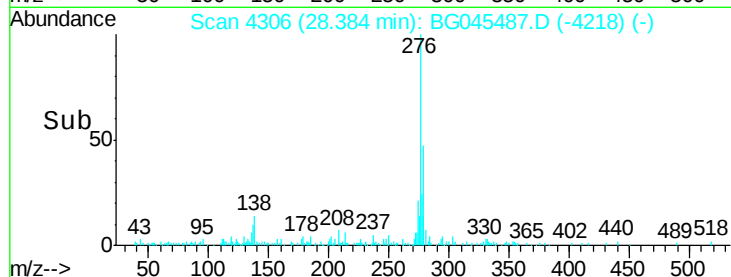
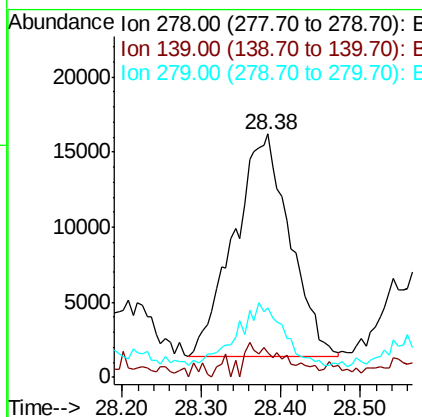
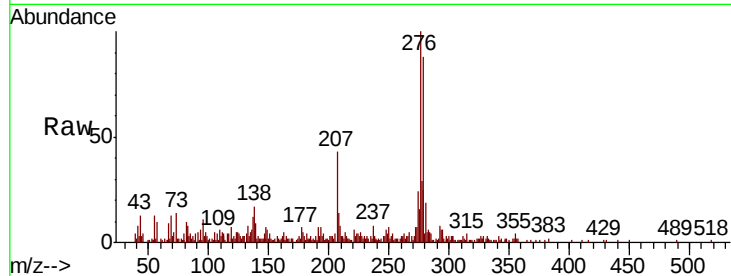
ClientSampleId :

NM71-COMP-2020-0-6

Tot Ion:	278	Resp:	71971
Ion	Ratio	Lower	Upper
278	100		
139	10.0	7.8	11.8
279	28.8	19.8	29.8

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#92

Benzo(g,h,i)perylene

Concen: 9.905 ng

RT: 29.45 min Scan# 4488

Delta R.T. 0.01 min

Lab File: BG045487.D

Acq: 27 May 2020 22:20

Tgt Ion:	276	Resp:	282248
Ion	Ratio	Lower	Upper
276	100		
277	21.8	18.1	27.1
138	12.0	10.2	15.4

