

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052720\
 Data File : BG045483.D
 Acq On : 27 May 2020 19:37
 Operator : CG/JU
 Sample : L2744-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NM30-COMP-2020-0-6

Quant Time: May 28 01:26:48 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

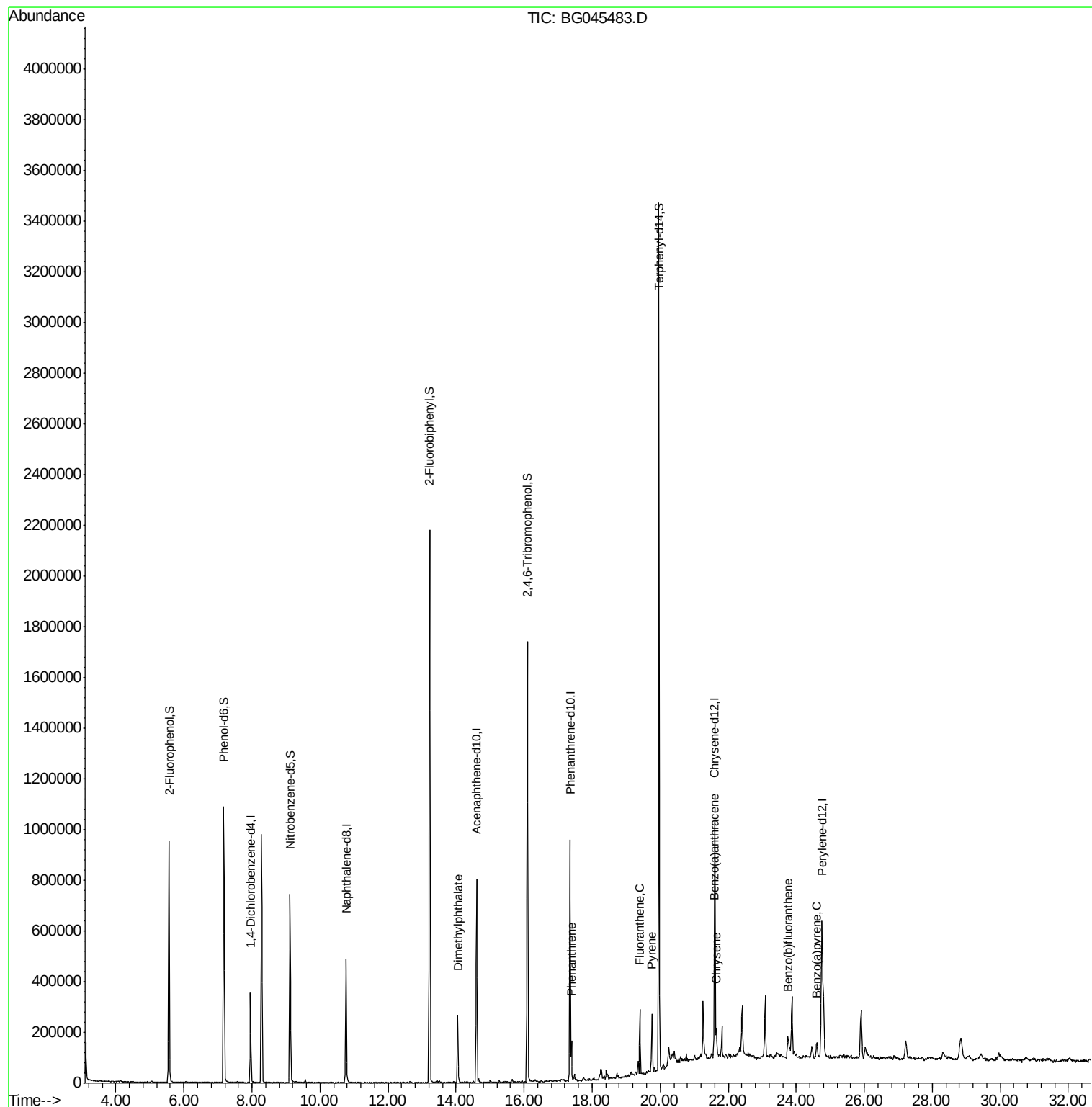
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	105987	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	435518	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	296742	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	628063	20.00	ng	0.00
76) Chrysene-d12	21.61	240	557028	20.00	ng	0.00
87) Perylene-d12	24.75	264	609187	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	479385	88.39	ng	0.00
7) Phenol-d6	7.17	99	744928	96.51	ng	0.00
23) Nitrobenzene-d5	9.12	82	515921	64.60	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	368041	96.98	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1221941	69.85	ng	0.00
79) Terphenyl-d14	19.97	244	1698659	71.12	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.05	163	182958	8.988	ng	Qvalue # 96
71) Phenanthrene	17.39	178	92469	3.373	ng	99
75) Fluoranthene	19.40	202	164044	4.704	ng	97
78) Pyrene	19.76	202	154848	4.877	ng	96
81) Benzo(a)anthracene	21.59	228	81674	2.632	ng	98
83) Chrysene	21.65	228	78322	2.625	ng	92
88) Benzo(b)fluoranthene	23.76	252	103354	3.163	ng	95
90) Benzo(a)pyrene	24.60	252	72689	2.389	ng	94

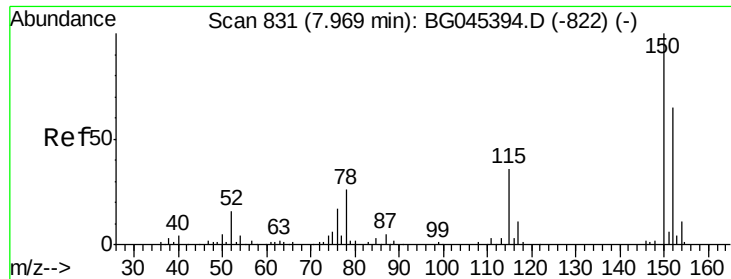
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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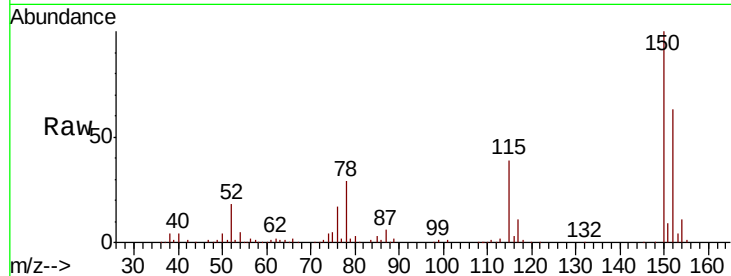




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.96 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BG045483.D
 Acq: 27 May 2020 19:37

Instrument :
 BNA_G
 ClientSampleId :
 NM30-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.4	183.6
115	61.6	44.2	66.4

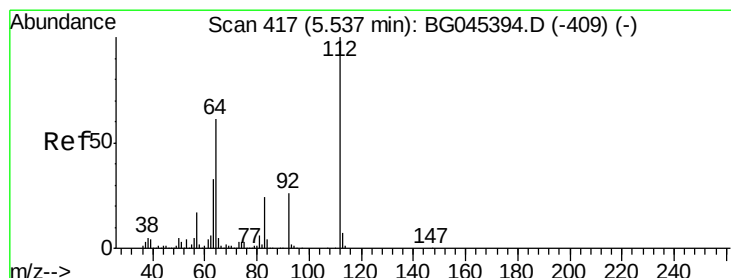
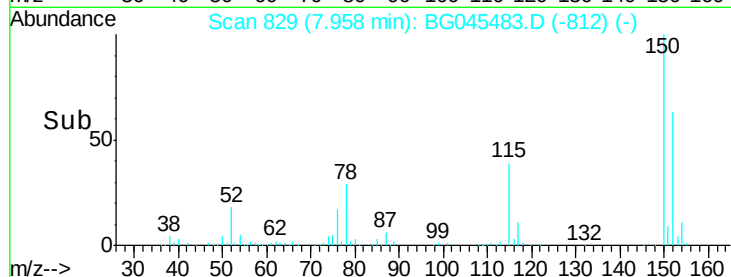
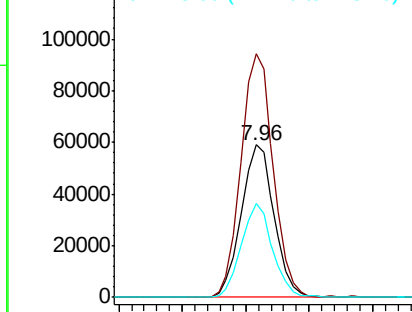


Abundance

Ion 152.00 (151.70 to 152.70): E

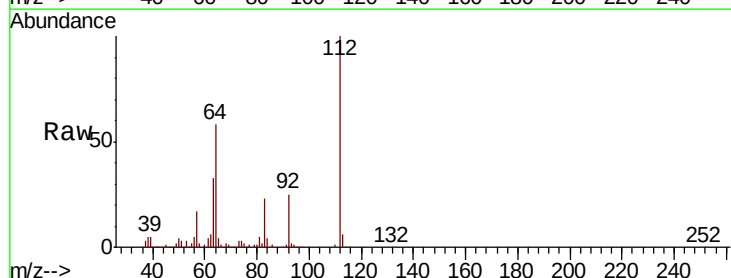
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 88.394 ng
 RT: 5.56 min Scan# 421
 Delta R.T. 0.01 min
 Lab File: BG045483.D
 Acq: 27 May 2020 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	48.6	72.8
63	32.6	26.5	39.7

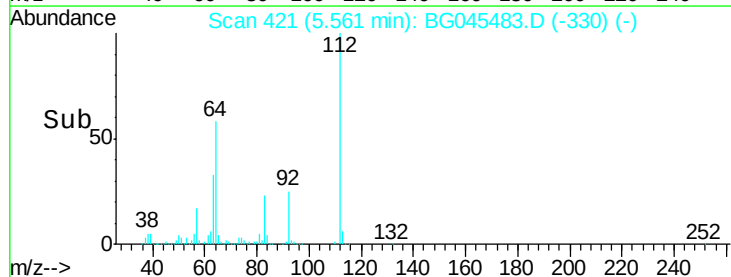
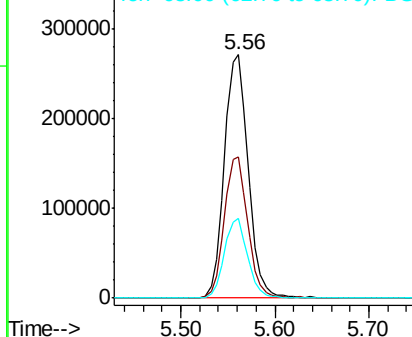


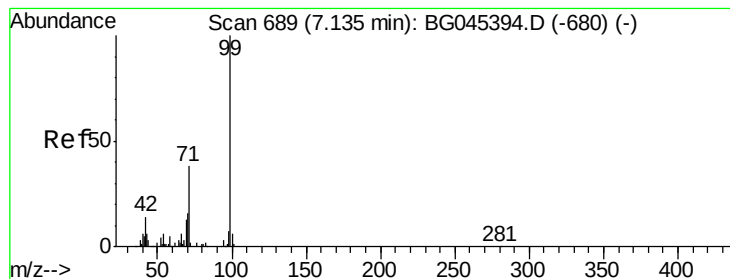
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 96.506 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Instrument :

BNA_G

ClientSampleId :

NM30-COMP-2020-0-6

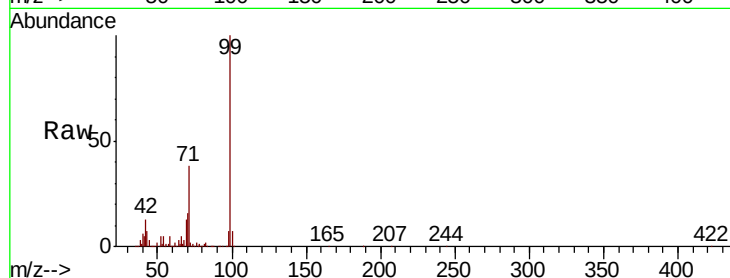
Tot Ion: 99 Resp: 744928

Ion Ratio Lower Upper

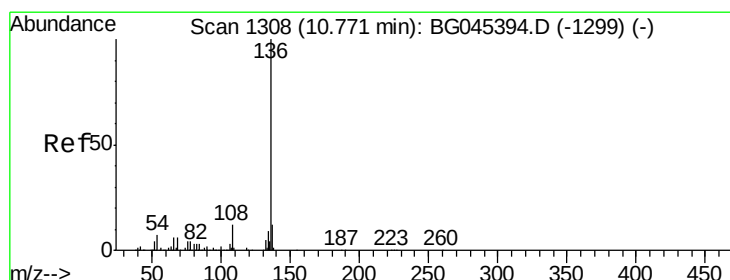
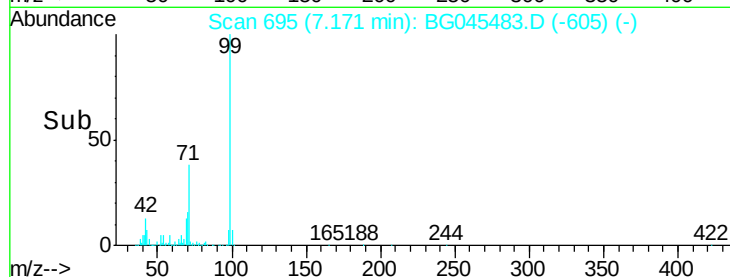
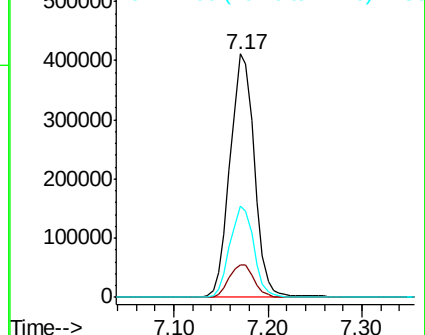
99 100

42 13.3 11.3 16.9

71 37.5 30.8 46.2



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: 10.77 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Tgt Ion: 136 Resp: 435518

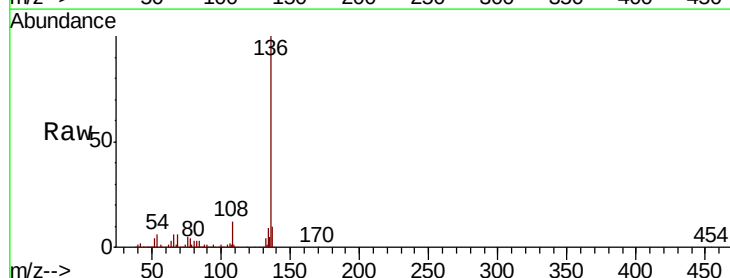
Ion Ratio Lower Upper

136 100

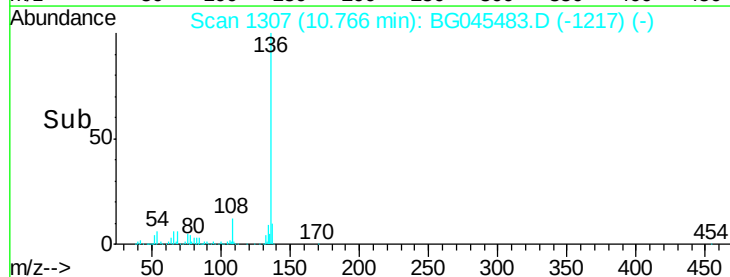
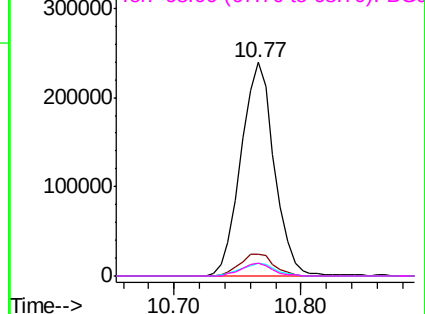
137 10.1 9.4 14.2

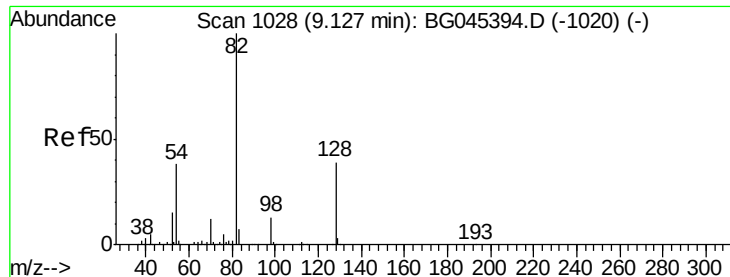
54 5.9 5.8 8.6

68 5.9 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

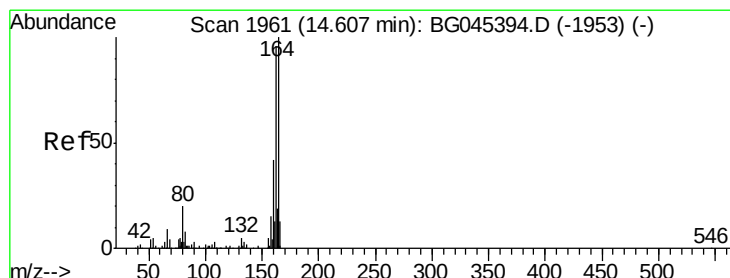
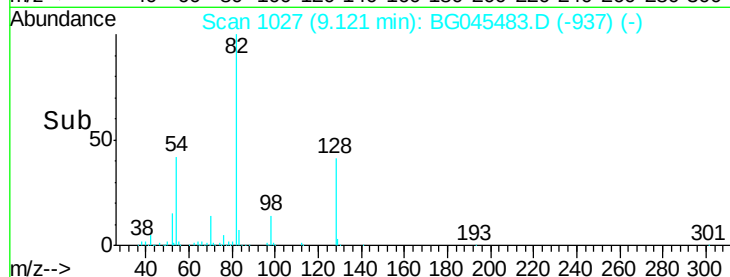
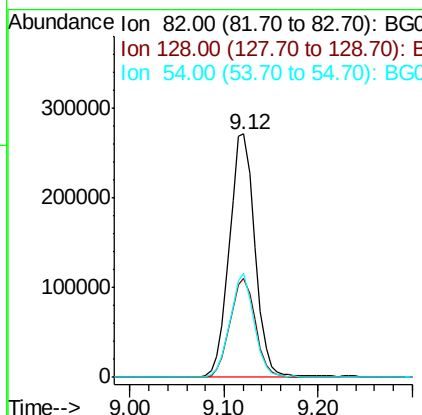
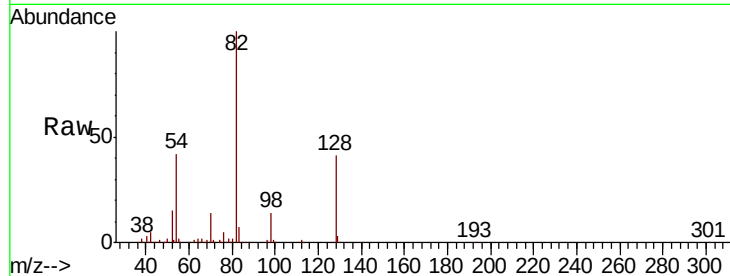




#23
Nitrobenzene-d5
Concen: 64.599 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BG045483.D
Acq: 27 May 2020 19:37

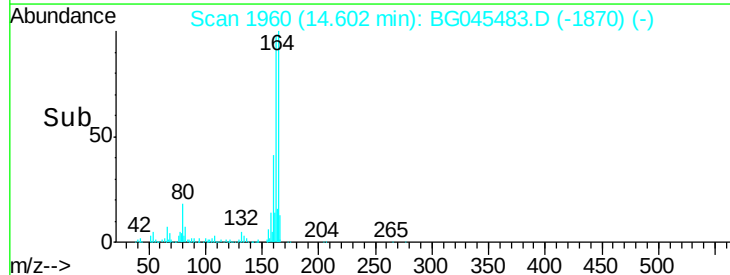
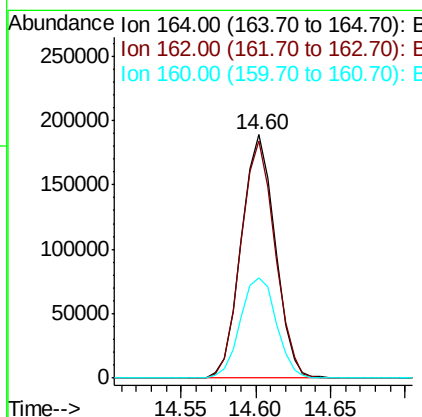
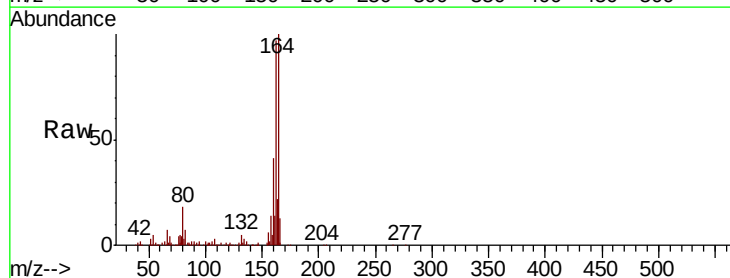
Instrument :
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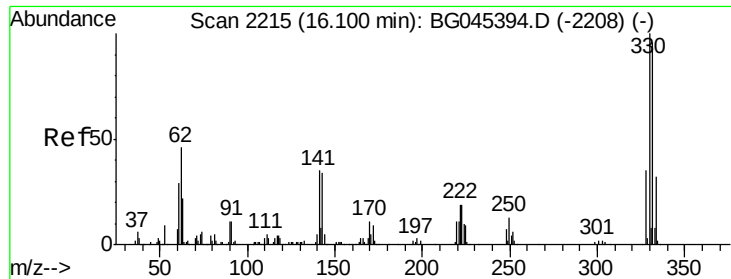
Tot Ion	82	Resp	515921
Ion Ratio	Lower	Upper	
82	100		
128	40.6	30.9	46.3
54	42.5	30.3	45.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1960
Delta R.T. 0.00 min
Lab File: BG045483.D
Acq: 27 May 2020 19:37

Tgt Ion	164	Resp	296742
Ion Ratio	Lower	Upper	
164	100		
162	97.3	76.9	115.3
160	41.0	33.8	50.8

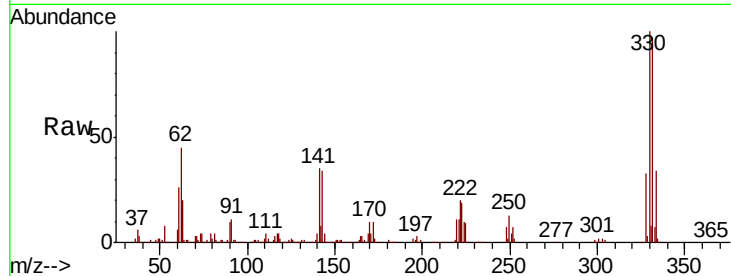




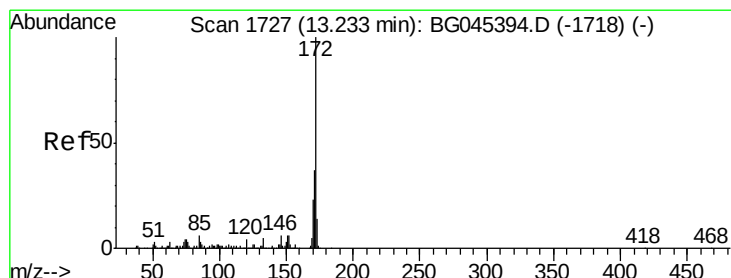
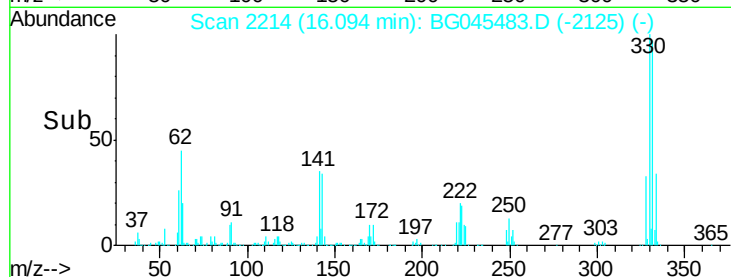
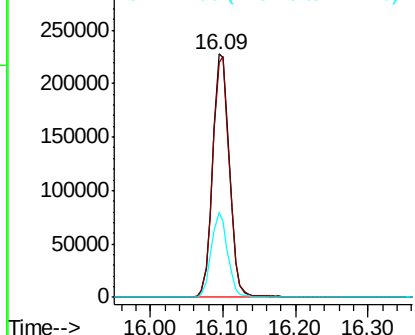
#42
 2,4,6-Tribromophenol
 Concen: 96.981 ng
 RT: 16.09 min Scan# 2214
 Delta R.T. -0.01 min
 Lab File: BG045483.D
 Acq: 27 May 2020 19:37

Instrument :
 BNA_G
 ClientSampleId :
 NM30-COMP-2020-0-6

Tot Ion:330 Resp: 368041
 Ion Ratio Lower Upper
 330 100
 332 98.4 78.2 117.4
 141 34.0 28.2 42.4

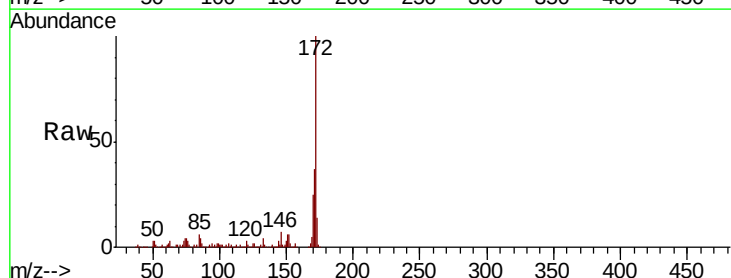


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

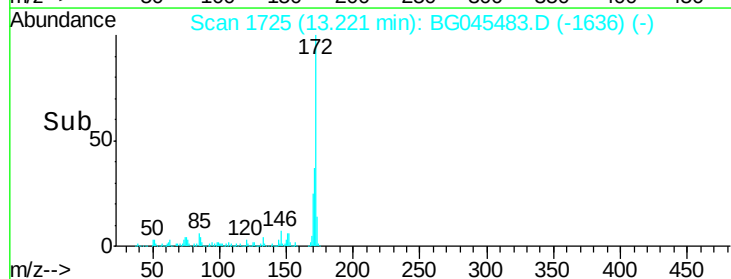
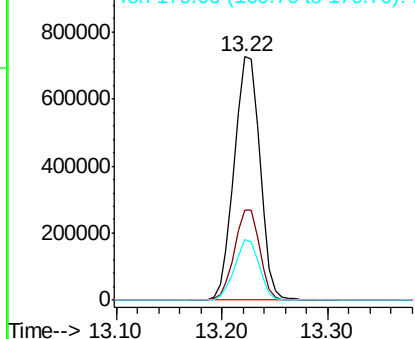


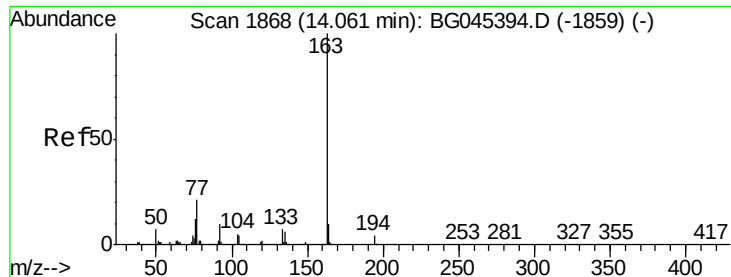
#45
 2-Fluorobiphenyl
 Concen: 69.847 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. -0.01 min
 Lab File: BG045483.D
 Acq: 27 May 2020 19:37

Tgt Ion:172 Resp: 1221941
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.5 44.3
 170 24.9 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: 8.988 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Instrument :

BNA_G

ClientSampleId :

NM30-COMP-2020-0-6

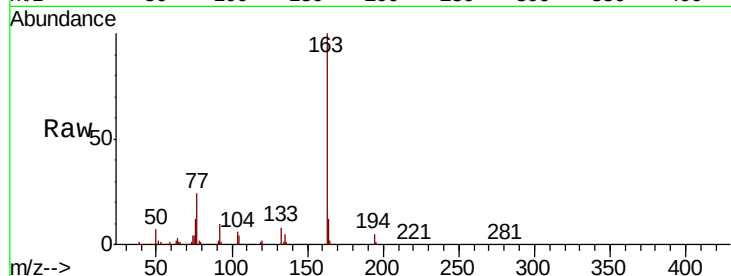
Tot Ion:163 Resp: 182958

Ion Ratio Lower Upper

163 100

194 5.3 3.2 4.8#

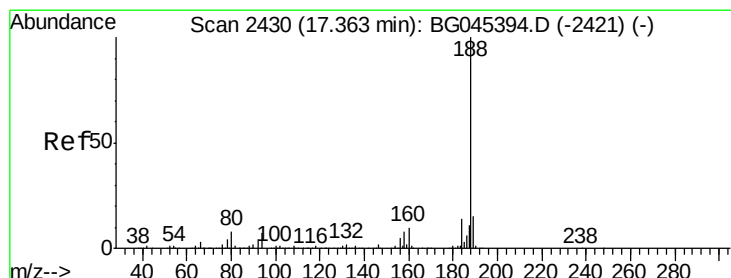
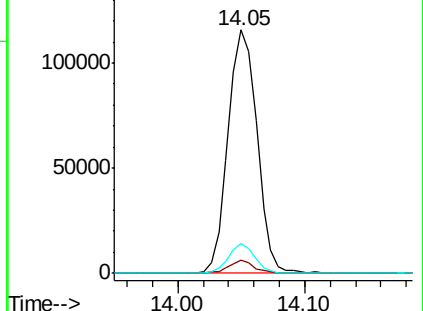
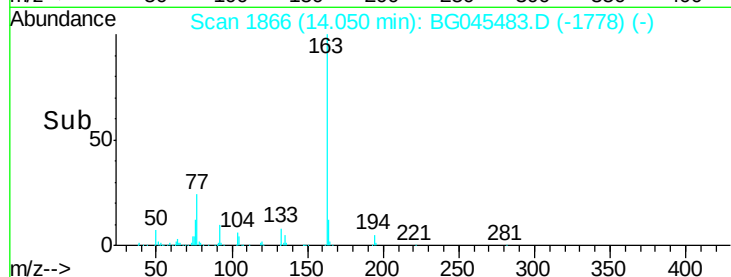
164 12.0 8.3 12.5



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: 17.35 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

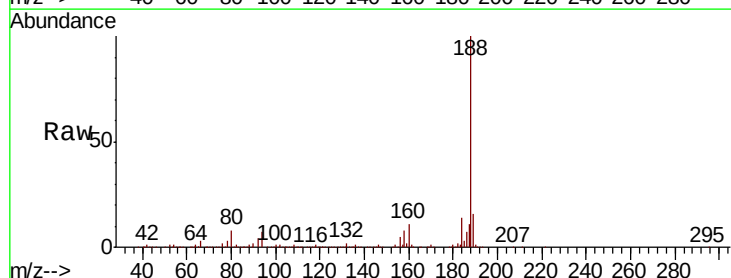
Tgt Ion:188 Resp: 628063

Ion Ratio Lower Upper

188 100

94 7.4 5.5 8.3

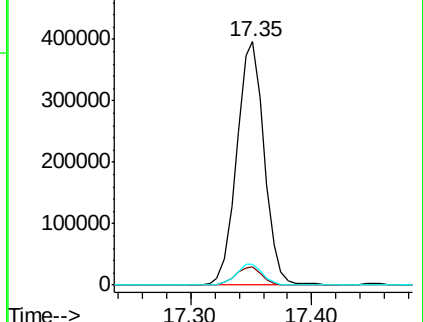
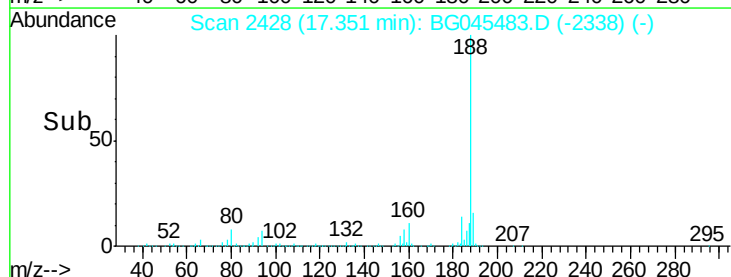
80 8.4 6.6 10.0

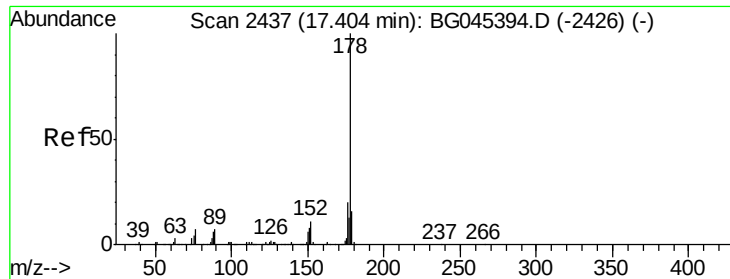


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

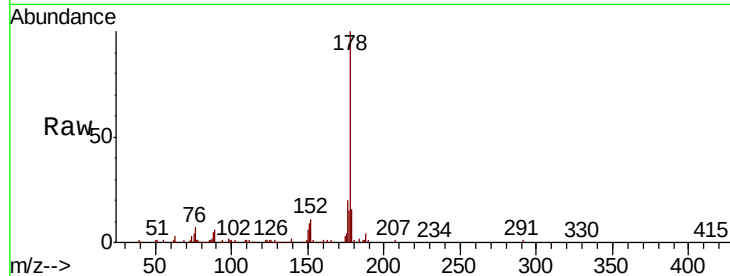




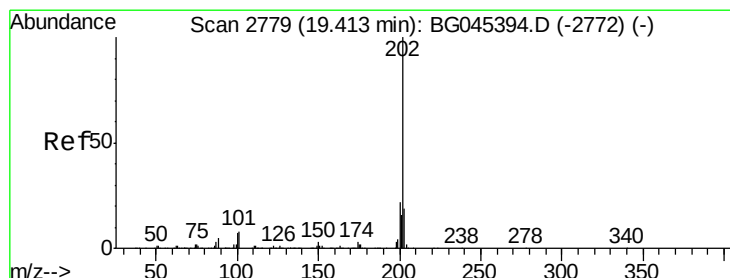
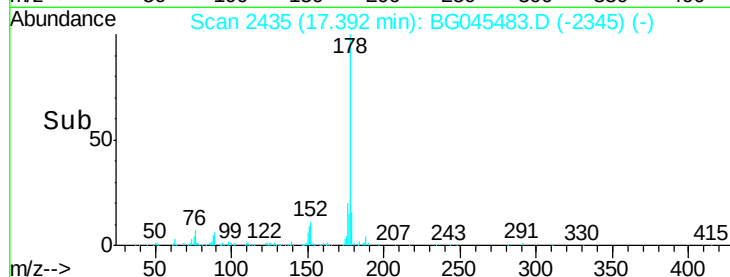
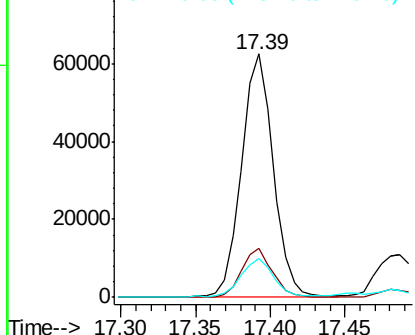
#71
Phenanthrene
Concen: 3.373 ng
RT: 17.39 min Scan# 2435
Delta R.T. 0.00 min
Lab File: BG045483.D
Acq: 27 May 2020 19:37

Instrument :
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NM30-COMP-2020-0-6

Tot Ion:178 Resp: 92469
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.4
179 15.9 13.1 19.7

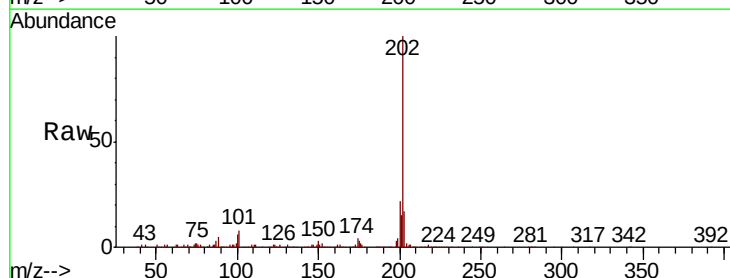


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

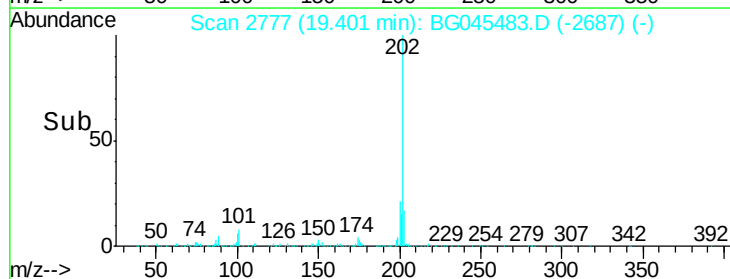
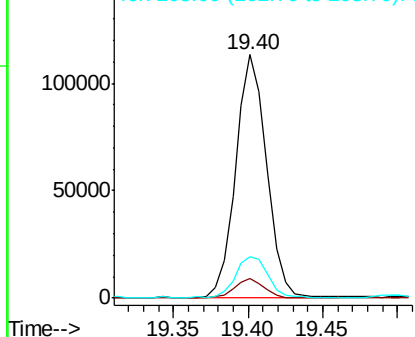


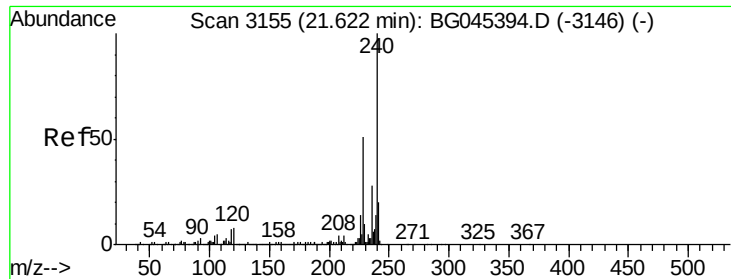
#75
Fluoranthene
Concen: 4.704 ng
RT: 19.40 min Scan# 2777
Delta R.T. 0.00 min
Lab File: BG045483.D
Acq: 27 May 2020 19:37

Tgt Ion:202 Resp: 164044
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.3
203 17.1 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

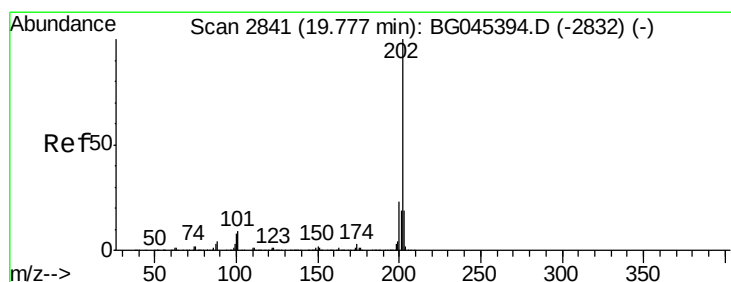
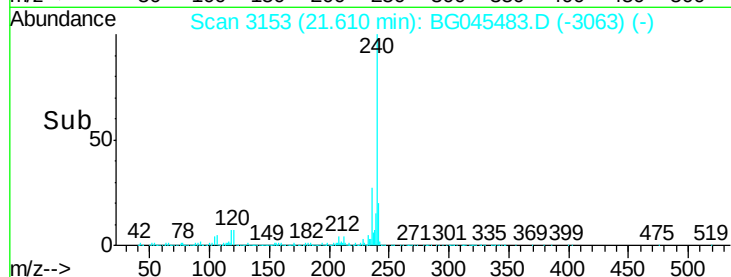
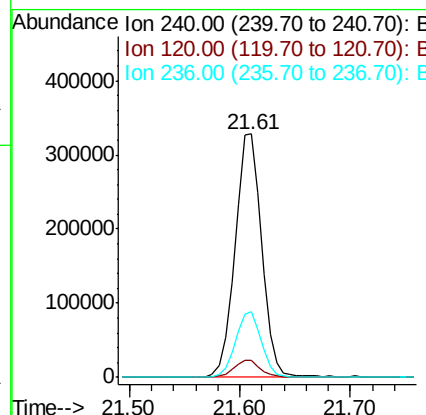
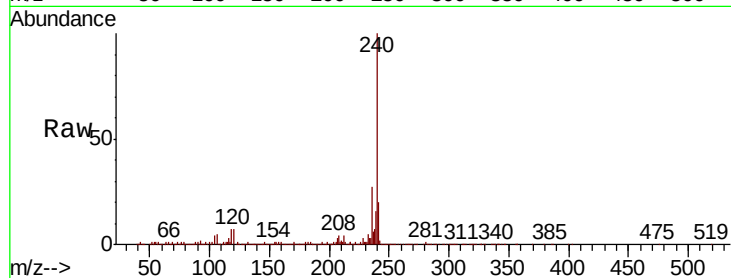




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.61 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BG045483.D
Acq: 27 May 2020 19:37

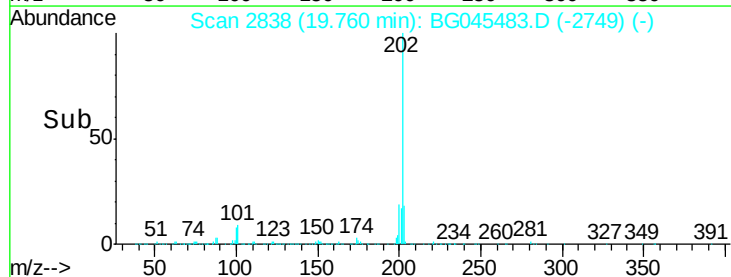
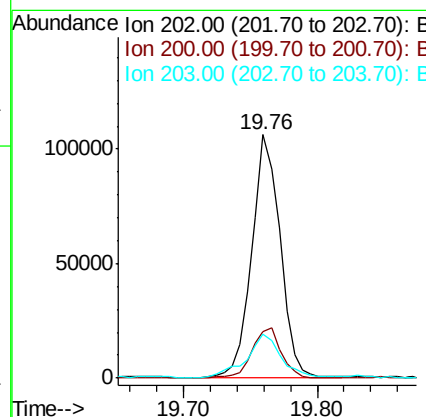
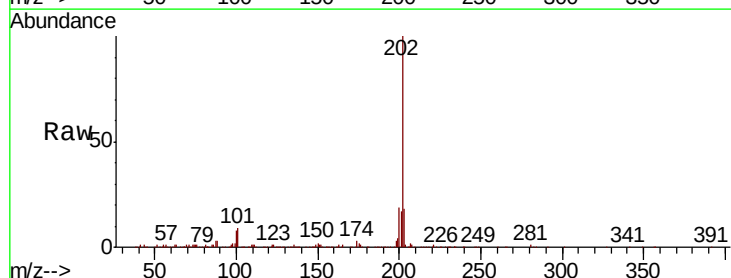
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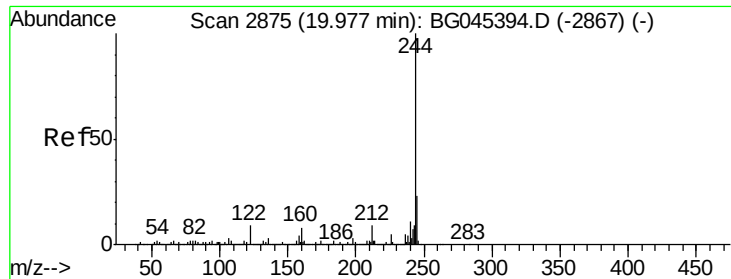
Tot Ion:240 Resp: 557028
Ion Ratio Lower Upper
240 100
120 7.0 6.1 9.1
236 27.0 22.3 33.5



#78
Pyrene
Concen: 4.877 ng
RT: 19.76 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BG045483.D
Acq: 27 May 2020 19:37

Tgt Ion:202 Resp: 154848
Ion Ratio Lower Upper
202 100
200 19.3 18.2 27.2
203 18.3 15.1 22.7





#79

Terphenyl-d14

Concen: 71.124 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Instrument :

BNA_G

ClientSampleId :

NM30-COMP-2020-0-6

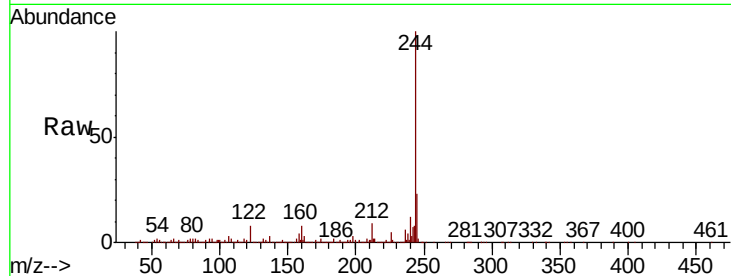
Tot Ion:244 Resp: 1698659

Ion Ratio Lower Upper

244 100

212 9.2 7.4 11.0

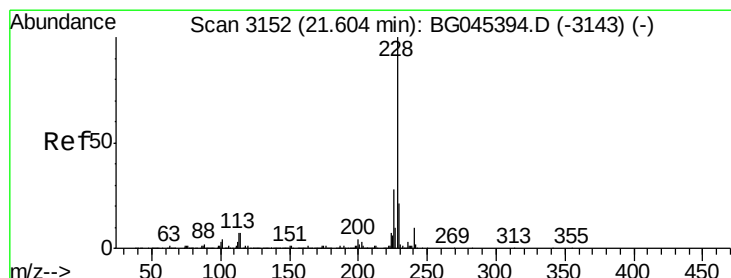
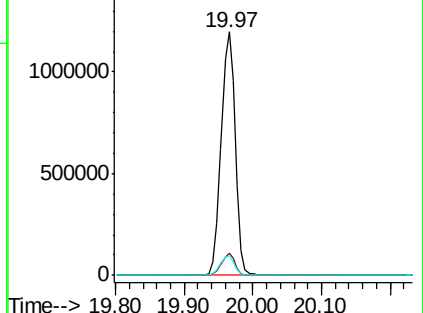
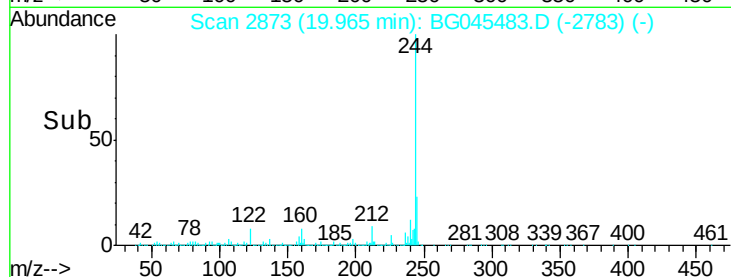
122 8.3 6.8 10.2



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: 2.632 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

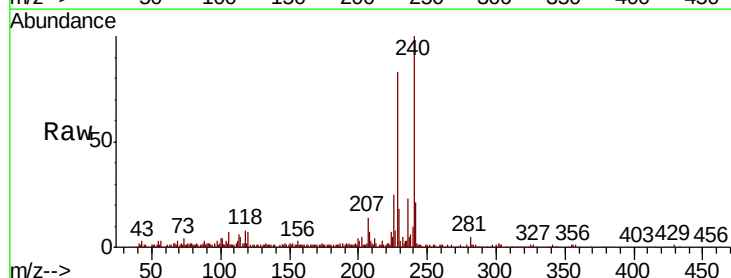
Tgt Ion:228 Resp: 81674

Ion Ratio Lower Upper

228 100

226 29.6 22.7 34.1

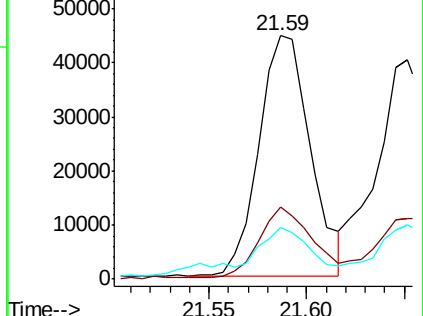
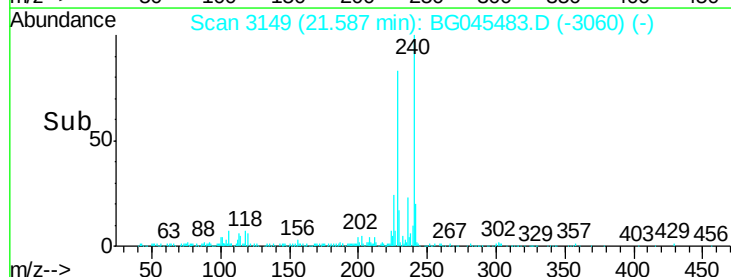
229 21.2 16.7 25.1

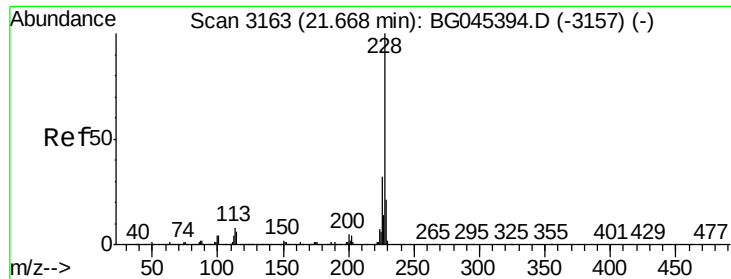


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.625 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Instrument :

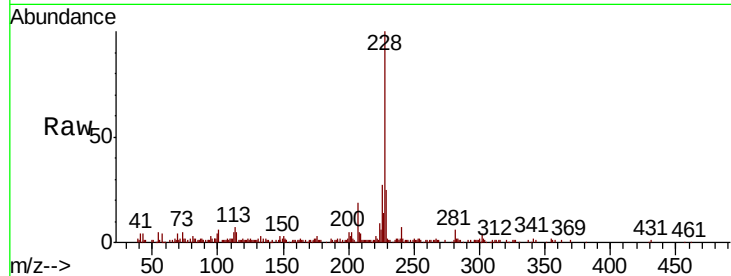
BNA_G

ClientSampleId :

NM30-COMP-2020-0-6

Tot Ion:228 Resp: 78322

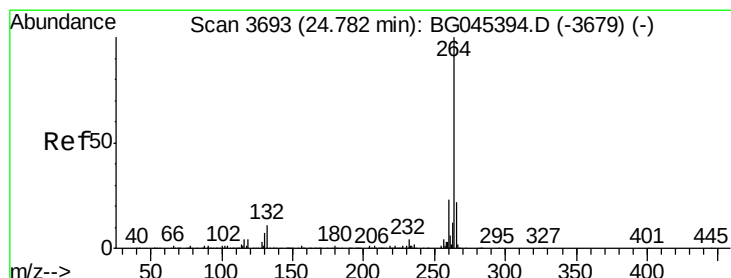
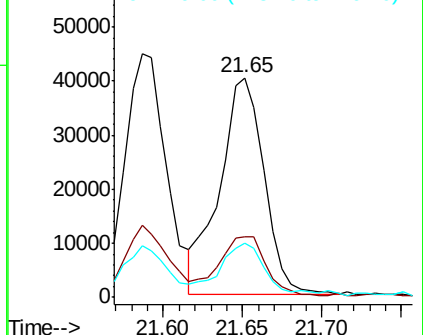
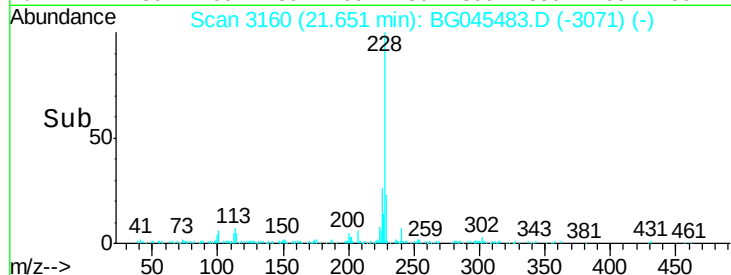
Ion	Ratio	Lower	Upper
228	100		
226	27.4	25.2	37.8
229	24.8	16.7	25.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.75 min Scan# 3688

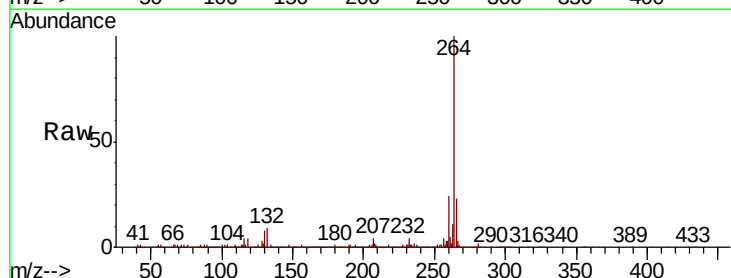
Delta R.T. -0.01 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Tgt Ion:264 Resp: 609187

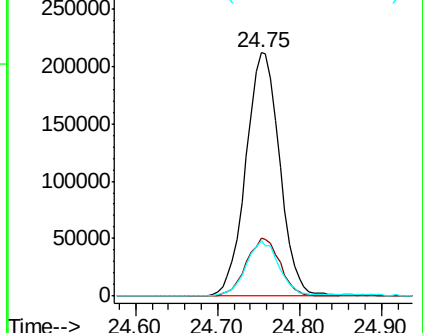
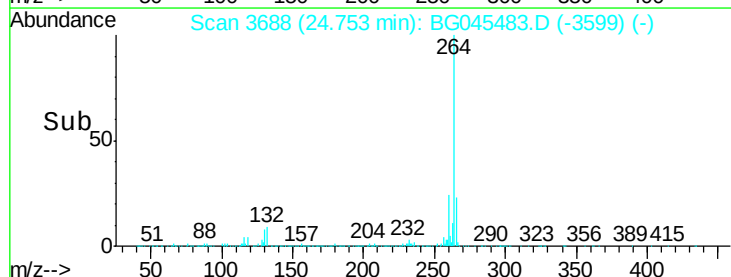
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.4
265	23.0	17.6	26.4

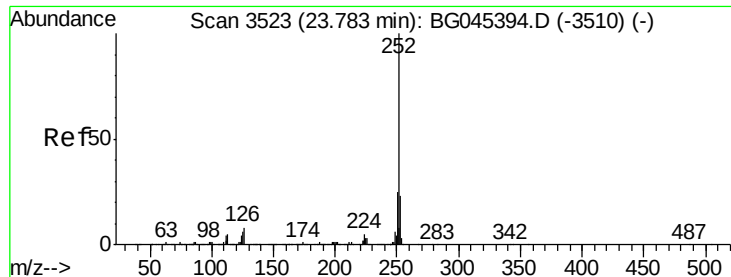


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.163 ng

RT: 23.76 min Scan# 3519

Delta R.T. 0.00 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

Instrument :

BNA_G

ClientSampleId :

NM30-COMP-2020-0-6

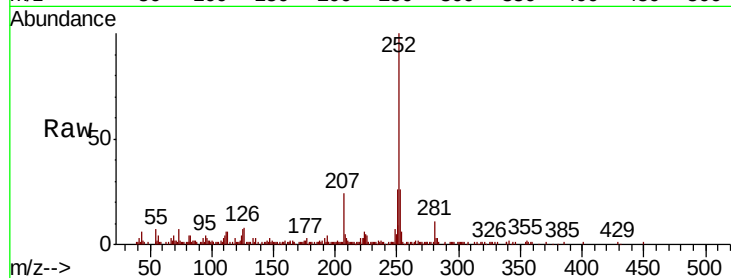
Tot Ion:252 Resp: 103354

Ion Ratio Lower Upper

252 100

253 25.6 18.1 27.1

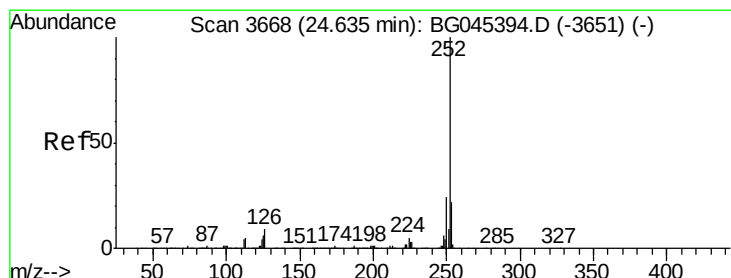
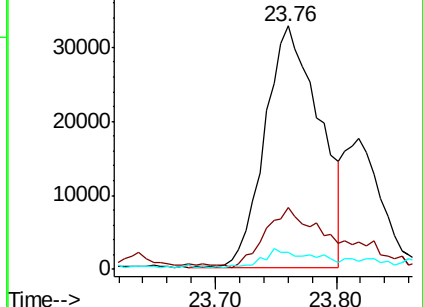
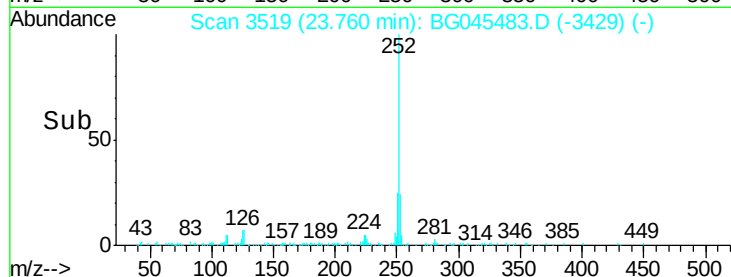
125 6.8 5.0 7.6



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



#90

Benzo(a)pyrene

Concen: 2.389 ng

RT: 24.60 min Scan# 3662

Delta R.T. -0.01 min

Lab File: BG045483.D

Acq: 27 May 2020 19:37

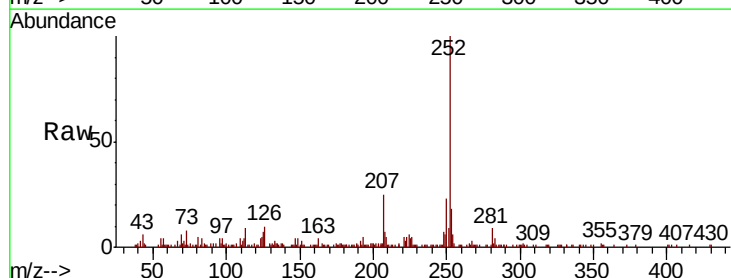
Tgt Ion:252 Resp: 72689

Ion Ratio Lower Upper

252 100

253 18.2 17.2 25.8

125 7.1 5.0 7.6



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

