

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG052820\
 Data File : BG045499.D
 Acq On : 28 May 2020 16:12
 Operator : CG/JU
 Sample : L2745-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NM36-COMP-2020-0-6

Quant Time: May 28 17:01:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:15:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	93255	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	380358	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	268684	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	572979	20.00	ng	0.00
76) Chrysene-d12	21.61	240	493501	20.00	ng	0.00
87) Perylene-d12	24.75	264	528452	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	362705	76.01	ng	0.00
7) Phenol-d6	7.17	99	605249	89.12	ng	0.00
23) Nitrobenzene-d5	9.12	82	433105	62.09	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	311612	90.69	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1040250	65.67	ng	0.00
79) Terphenyl-d14	19.96	244	1425659	67.38	ng	0.00

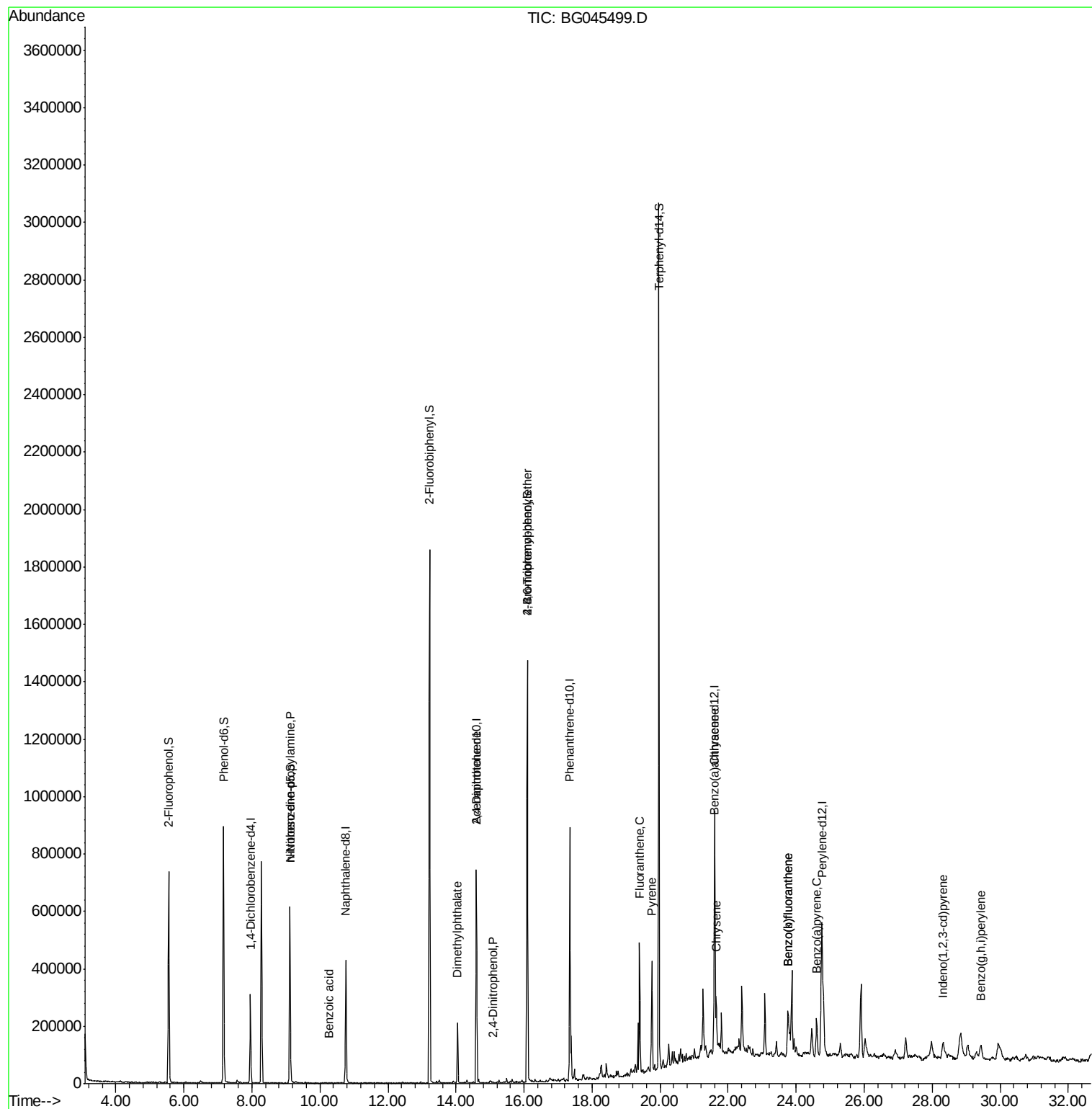
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.12	70	57247	12.189	ng	# 81
32) Benzoic acid	10.26	122	71	10.040	ng	# 1
50) Dimethylphthalate	14.05	163	146488	7.948	ng	99
54) 2,4-Dinitrophenol	15.10	184	58	5.479	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	35440	5.884	ng	# 24
67) 4-Bromophenyl-phenylether	16.10	248	20460	3.298	ng	# 1
75) Fluoranthene	19.40	202	277450	8.720	ng	97
78) Pyrene	19.76	202	260716	9.268	ng	99
81) Benzo(a)anthracene	21.59	228	154173	5.608	ng	97
83) Chrysene	21.65	228	143321	5.422	ng	97
86) Indeno(1,2,3-cd)pyrene	28.31	276	107943	3.123	ng	# 90
88) Benzo(b)fluoranthene	23.76	252	211221	7.453	ng	99
89) Benzo(k)fluoranthene	23.76	252	211221	7.933	ng	100
90) Benzo(a)pyrene	24.60	252	154543	5.855	ng	95
92) Benzo(a,h,i)perylene	29.43	276	107205	4.041	ng	96

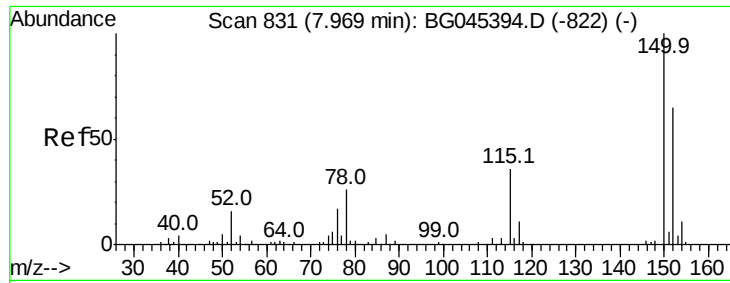
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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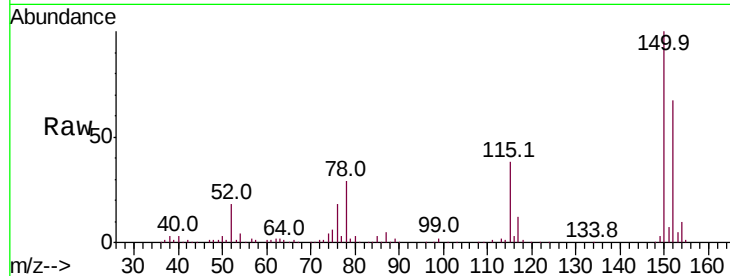


#1

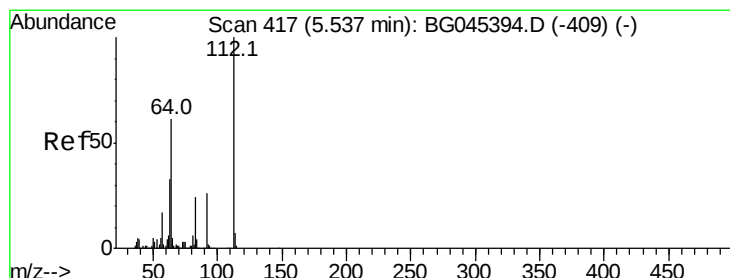
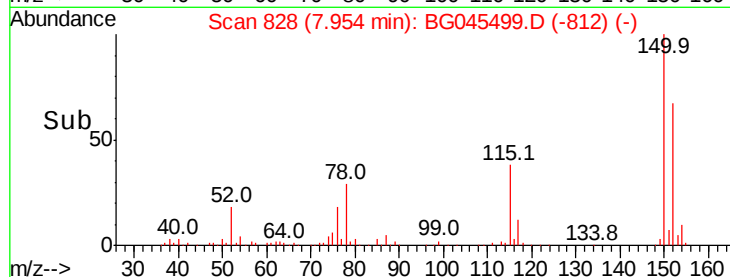
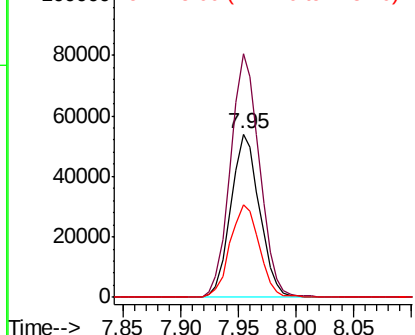
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG045499.D
Acq: 28 May 2020 16:12

Instrument :
BNA_G
ClientSampleId :
NM36-COMP-2020-0-6

Tot Ion:152 Resp: 93255
Ion Ratio Lower Upper
152 100
150 149.3 122.4 183.6
115 57.0 44.2 66.4



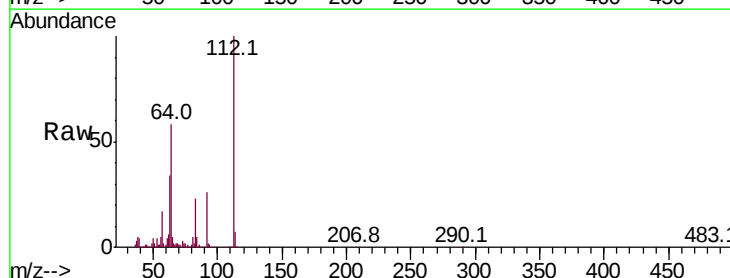
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



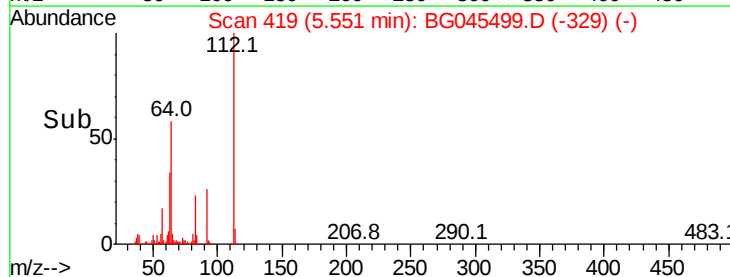
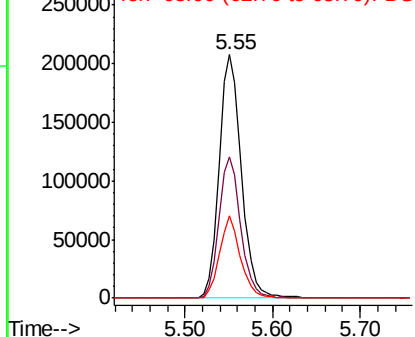
#5

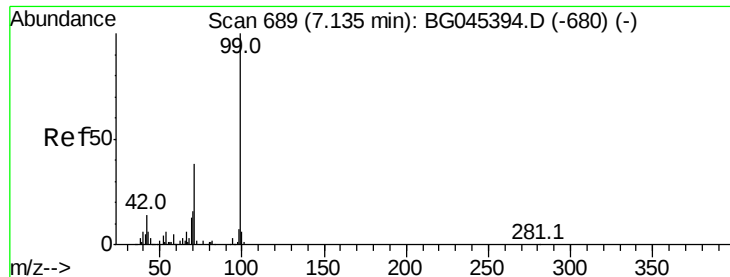
2-Fluorophenol
Concen: 76.010 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.00 min
Lab File: BG045499.D
Acq: 28 May 2020 16:12

Tgt Ion:112 Resp: 362705
Ion Ratio Lower Upper
112 100
64 58.2 48.6 72.8
63 34.1 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 89.116 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

Instrument :

BNA_G

ClientSampleId :

NM36-COMP-2020-0-6

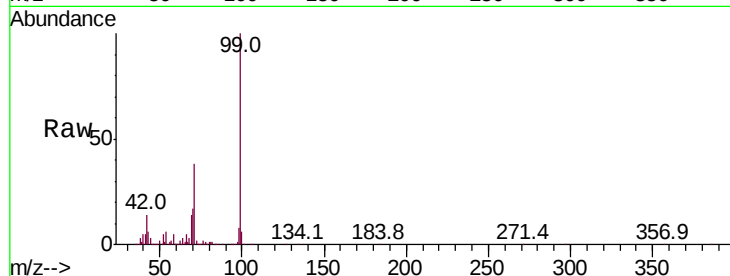
Tot Ion: 99 Resp: 605249

Ion Ratio Lower Upper

99 100

42 13.7 11.3 16.9

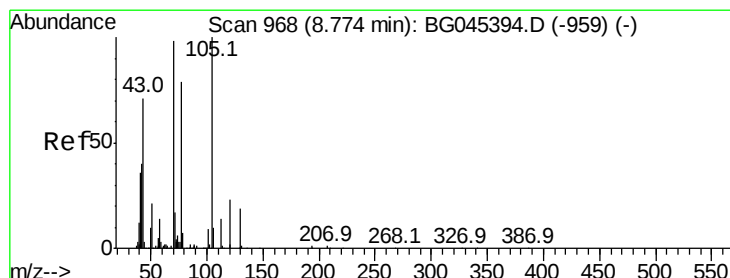
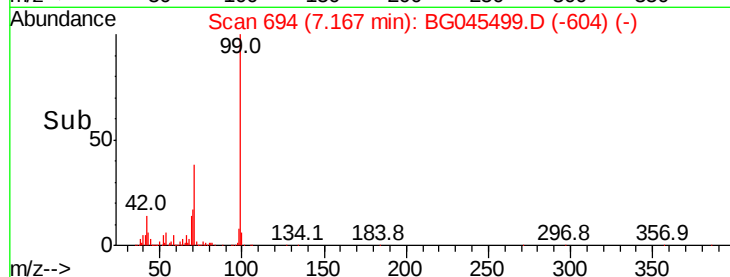
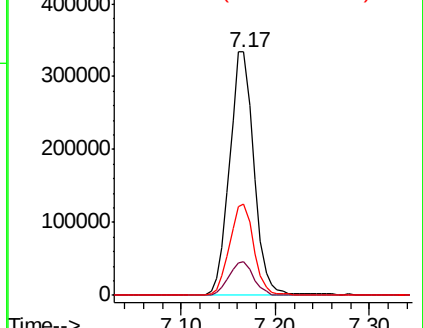
71 37.6 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.189 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

Tgt Ion: 70 Resp: 57247

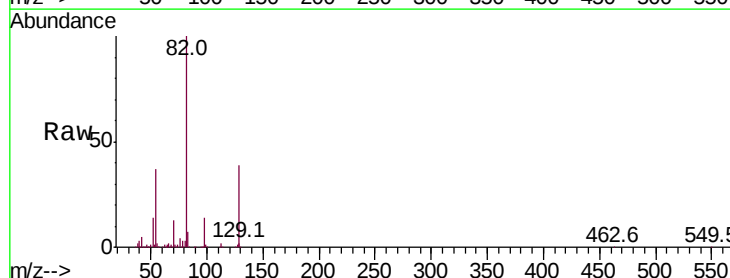
Ion Ratio Lower Upper

70 100

42 35.9 33.2 49.8

101 0.0 7.8 11.6#

130 2.6 15.4 23.2#

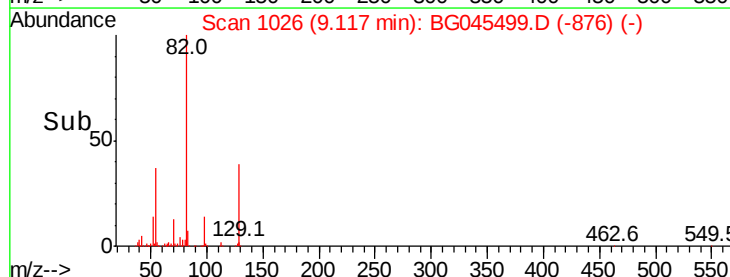
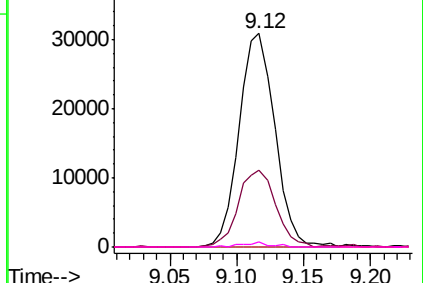


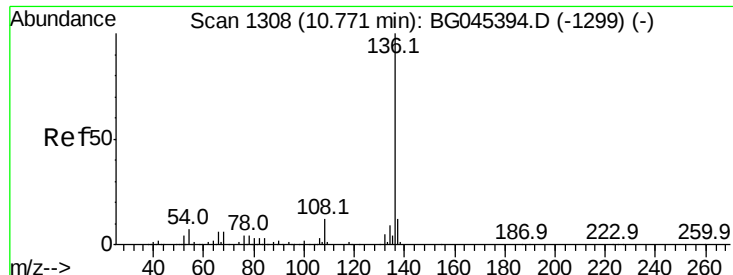
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

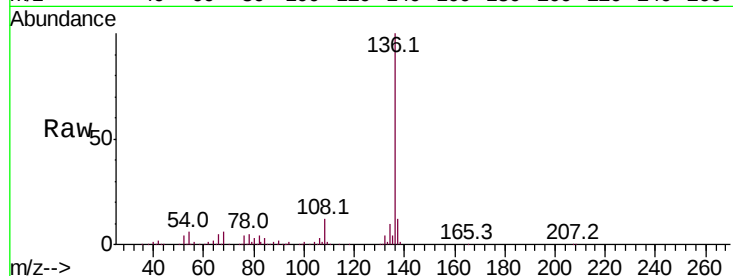




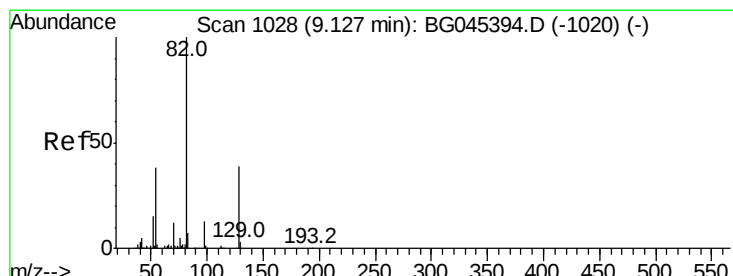
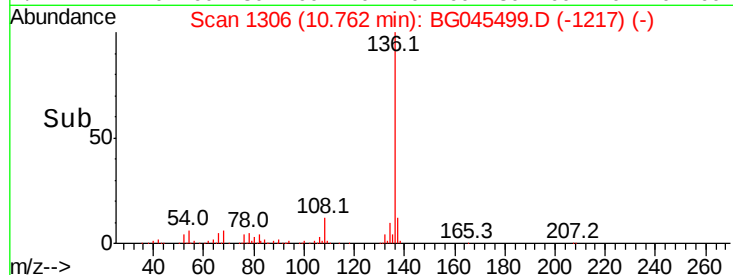
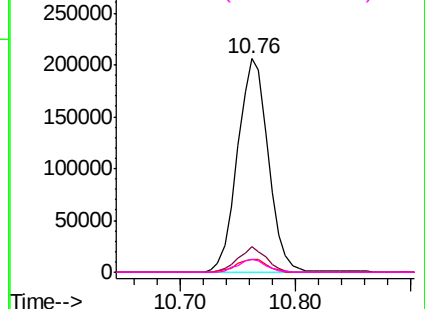
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BG045499.D
Acq: 28 May 2020 16:12

Instrument :
BNA_G
ClientSampleId :
NM36-COMP-2020-0-6

Tot Ion:136	Resp:	380358
Ion	Ratio	Lower Upper
136	100	
137	12.0	9.4 14.2
54	6.0	5.8 8.6
68	6.0	4.5 6.7

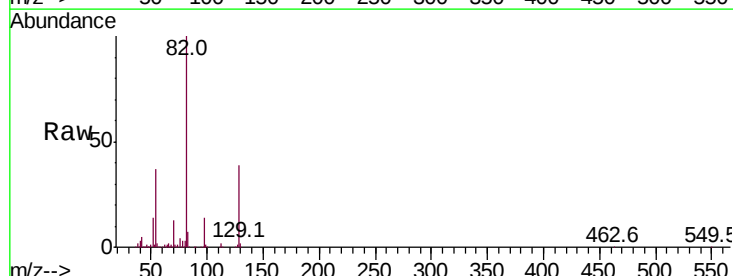


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

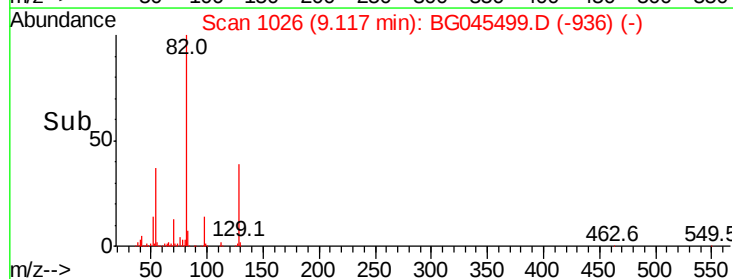
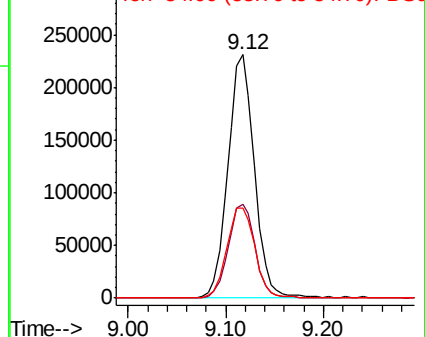


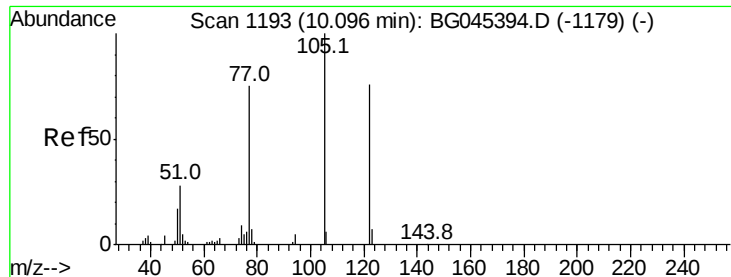
#23
Nitrobenzene-d5
Concen: 62.094 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BG045499.D
Acq: 28 May 2020 16:12

Tgt Ion: 82	Resp:	433105
Ion	Ratio	Lower Upper
82	100	
128	38.8	30.9 46.3
54	37.0	30.3 45.5



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





#32

Benzoic acid

Concen: 10.040 ng

RT: 10.26 min Scan# 1220

Delta R.T. 0.12 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

Instrument :

BNA_G

ClientSampleId :

NM36-COMP-2020-0-6

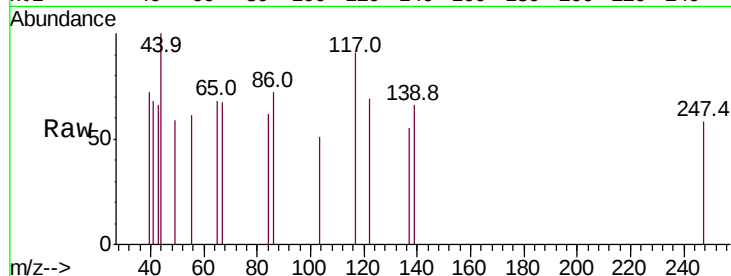
Tot Ion:122 Resp: 71

Ion Ratio Lower Upper

122 100

105 0.0 107.9 147.9#

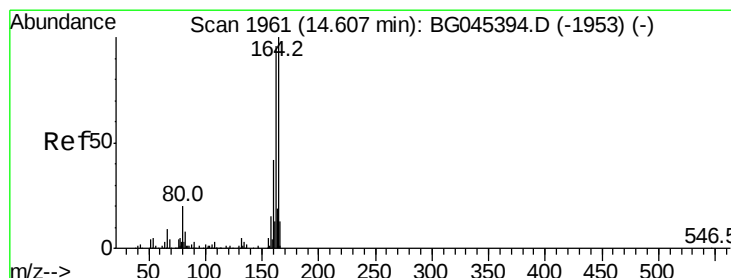
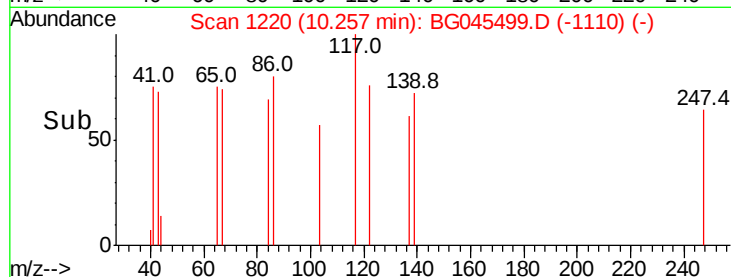
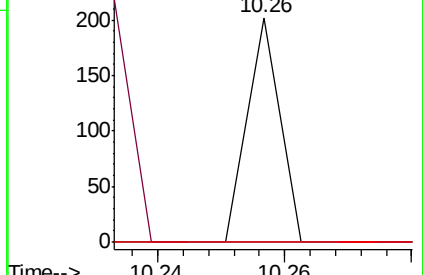
77 0.0 78.9 118.9#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

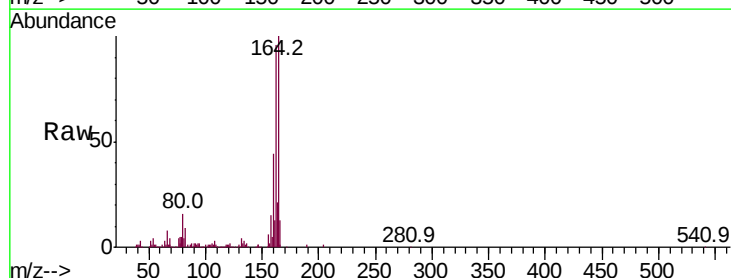
Tgt Ion:164 Resp: 268684

Ion Ratio Lower Upper

164 100

162 96.2 76.9 115.3

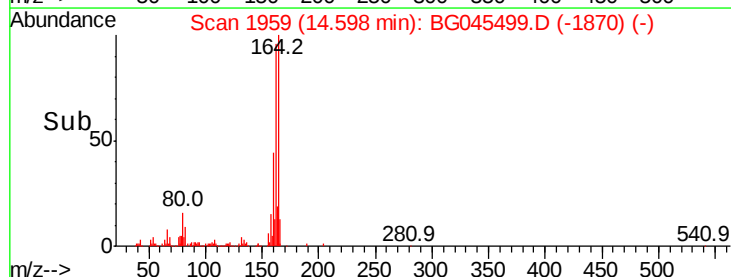
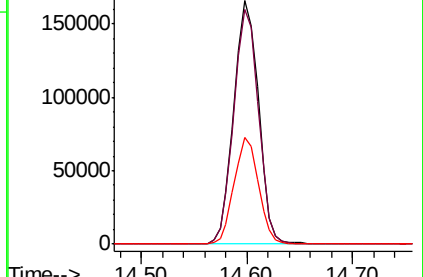
160 43.6 33.8 50.8

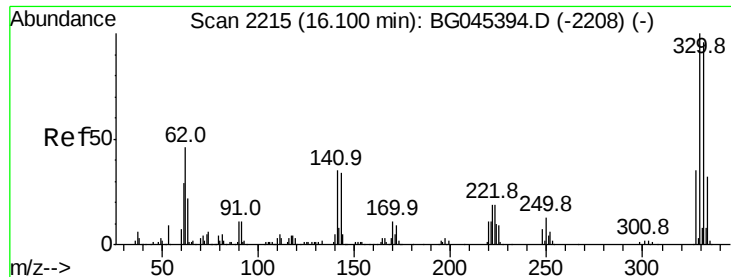


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

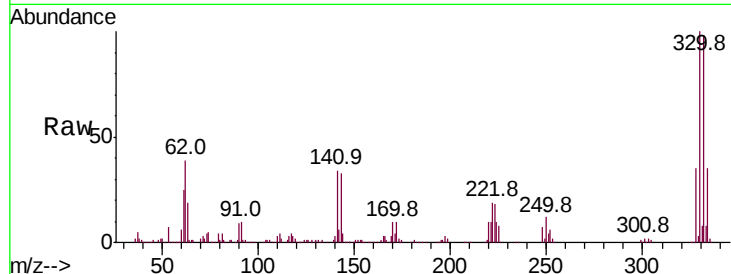




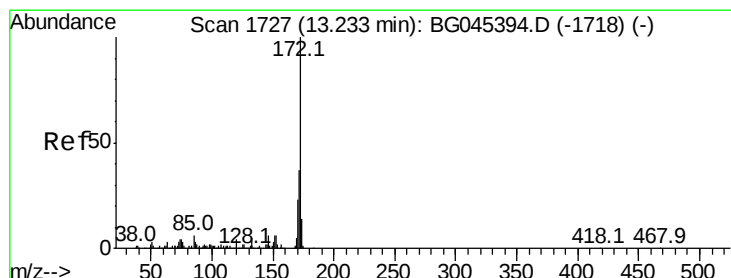
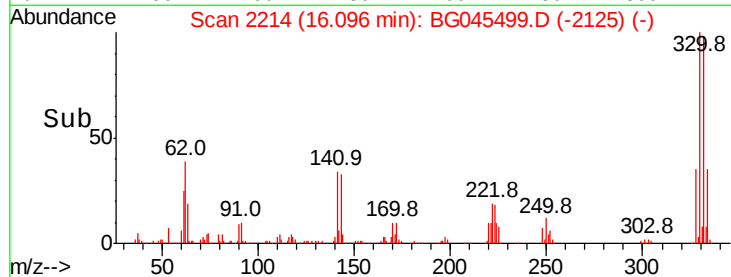
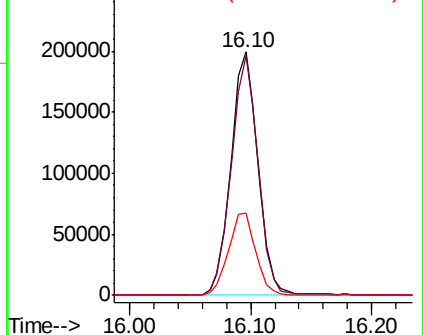
#42
 2,4,6-Tribromophenol
 Concen: 90.686 ng
 RT: 16.10 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: BG045499.D
 Acq: 28 May 2020 16:12

Instrument :
 BNA_G
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 NM36-COMP-2020-0-6

Tot Ion:330 Resp: 311612
 Ion Ratio Lower Upper
 330 100
 332 97.9 78.2 117.4
 141 34.5 28.2 42.4

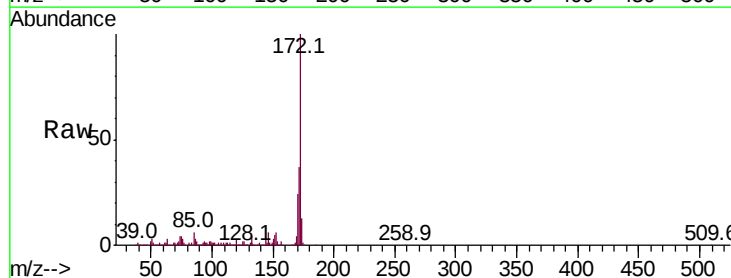


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

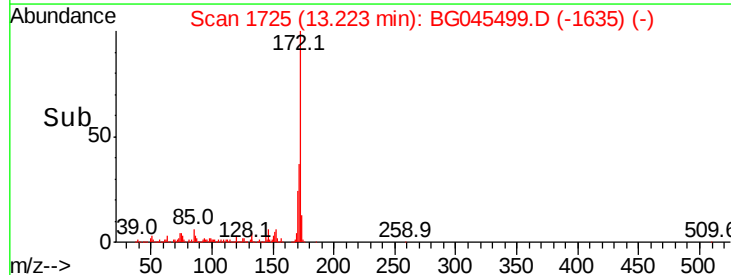
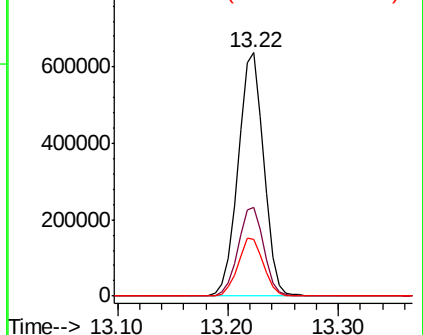


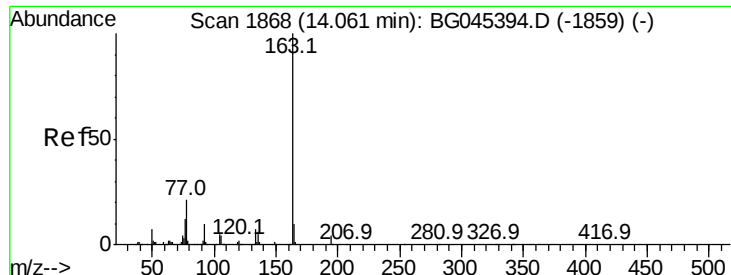
#45
 2-Fluorobiphenyl
 Concen: 65.671 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. 0.00 min
 Lab File: BG045499.D
 Acq: 28 May 2020 16:12

Tgt Ion:172 Resp: 1040250
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.5 44.3
 170 23.5 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: 7.948 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.00 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

Instrument :

BNA_G

ClientSampleId :

NM36-COMP-2020-0-6

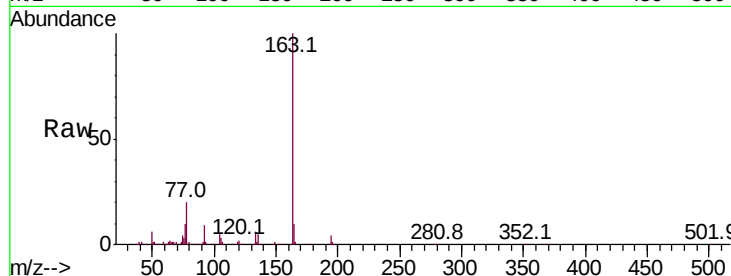
Tot Ion:163 Resp: 146488

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

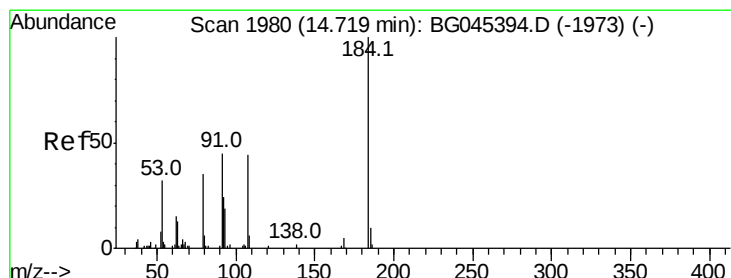
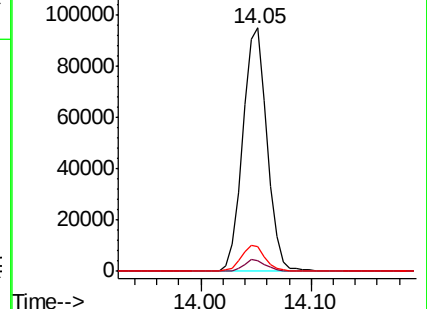
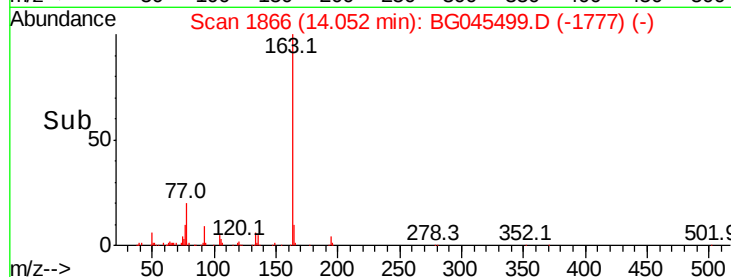
164 10.1 8.3 12.5



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



#54

2,4-Dinitrophenol

Concen: 5.479 ng

RT: 15.10 min Scan# 2044

Delta R.T. 0.38 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

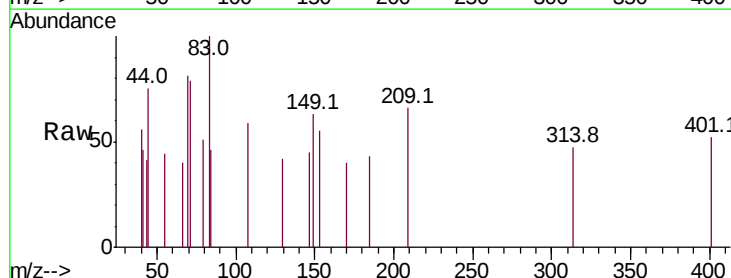
Tgt Ion:184 Resp: 58

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

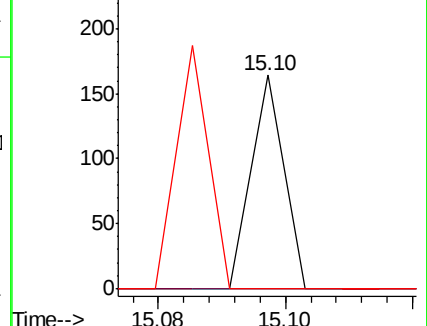
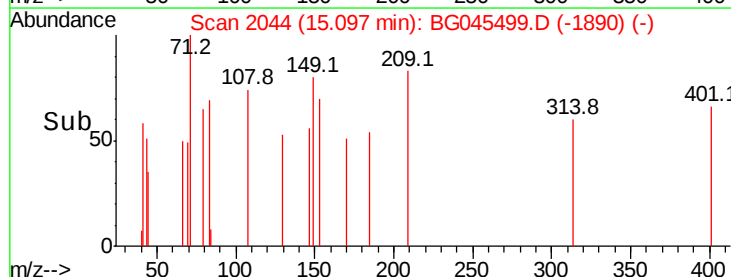
154 0.0 58.3 87.5#

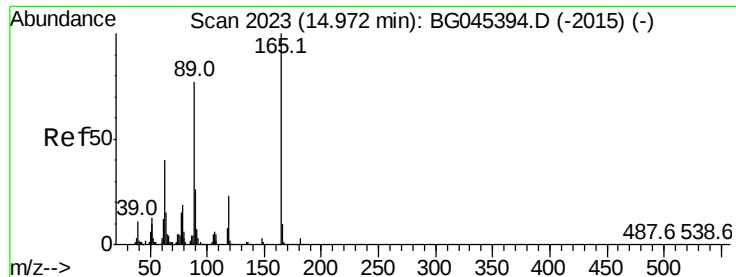


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

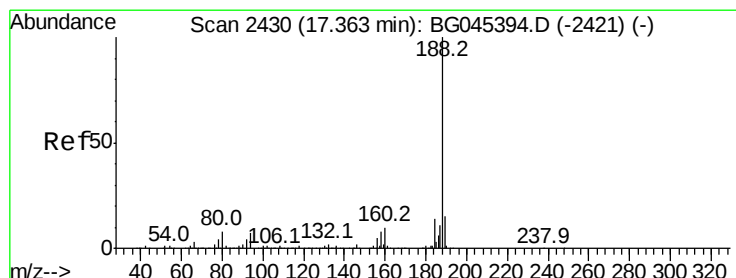
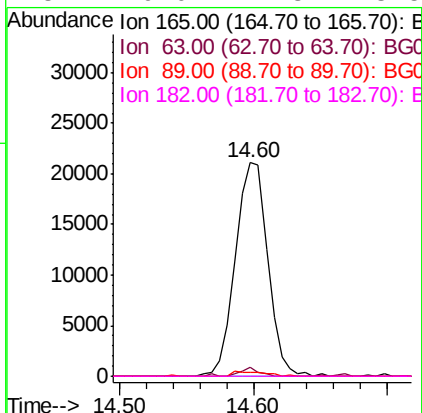
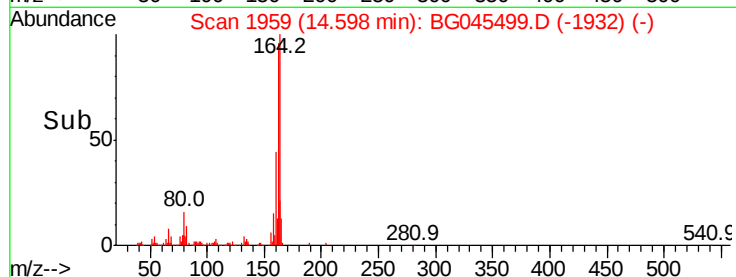
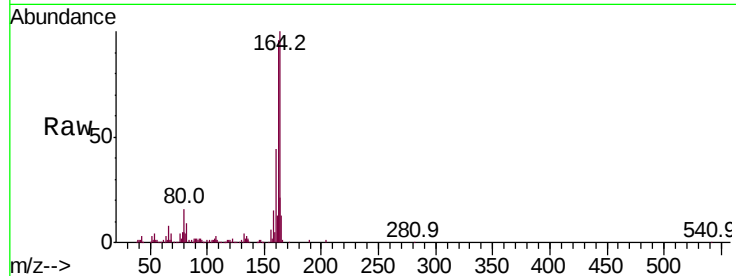




#57
 2,4-Dinitrotoluene
 Concen: 5.884 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. -0.37 min
 Lab File: BG045499.D
 Acq: 28 May 2020 16:12

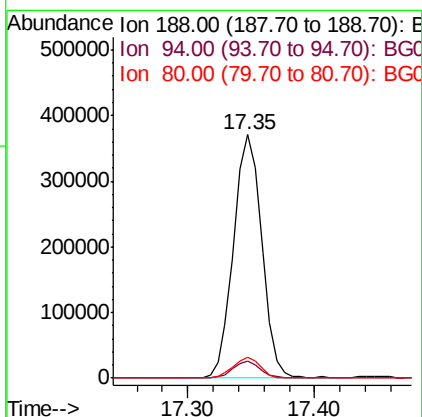
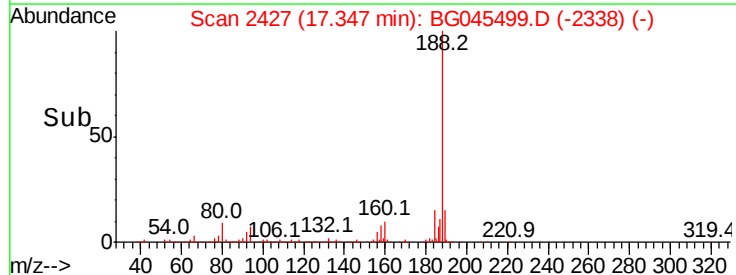
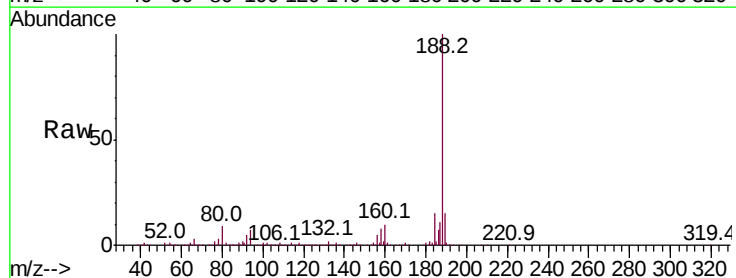
Instrument :
 BNA_G
 ClientSampleId :
 NM36-COMP-2020-0-6

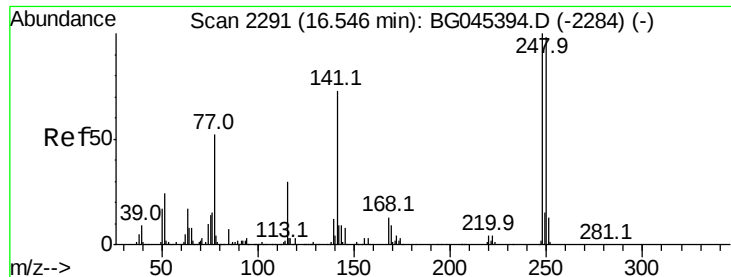
Tot Ion:165 Resp: 35440
 Ion Ratio Lower Upper
 165 100
 63 3.9 32.5 48.7#
 89 1.6 61.8 92.6#
 182 0.0 2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2427
 Delta R.T. -0.00 min
 Lab File: BG045499.D
 Acq: 28 May 2020 16:12

Tgt Ion:188 Resp: 572979
 Ion Ratio Lower Upper
 188 100
 94 6.9 5.5 8.3
 80 8.6 6.6 10.0

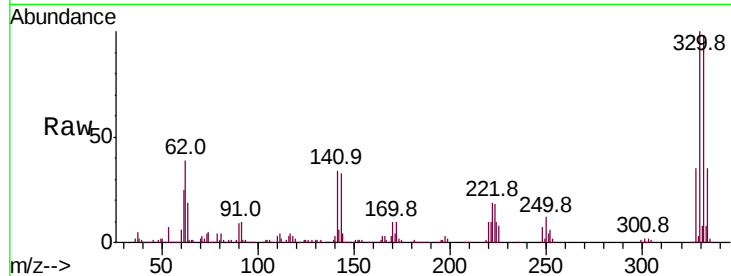




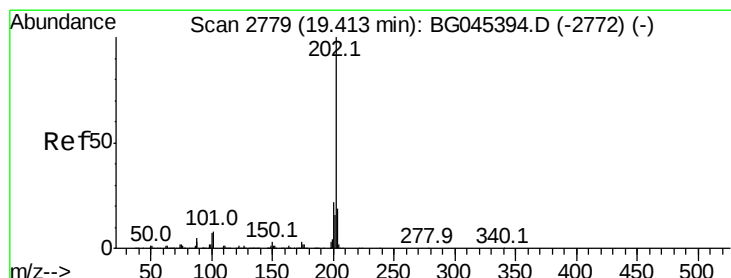
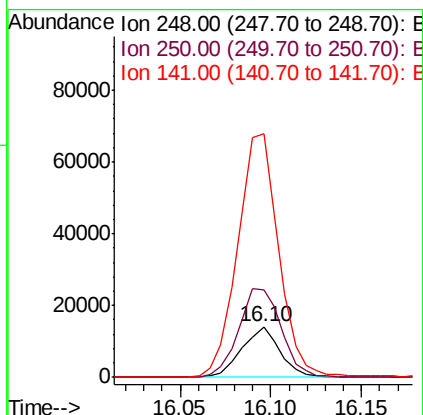
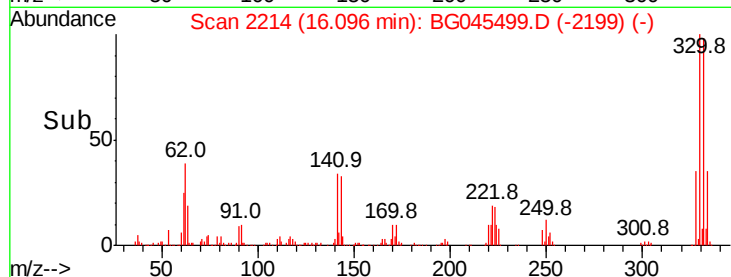
#67
 4-Bromophenyl-phenylether
 Concen: 3.298 ng
 RT: 16.10 min Scan# 2214
 Delta R.T. -0.44 min
 Lab File: BG045499.D
 Acq: 28 May 2020 16:12

Instrument :
 BNA_G
 ClientSampleId :
 NM36-COMP-2020-0-6

Tot Ion:248 Resp: 20460
 Ion Ratio Lower Upper
 248 100
 250 171.9 78.6 117.8#
 141 478.0 58.2 87.2#

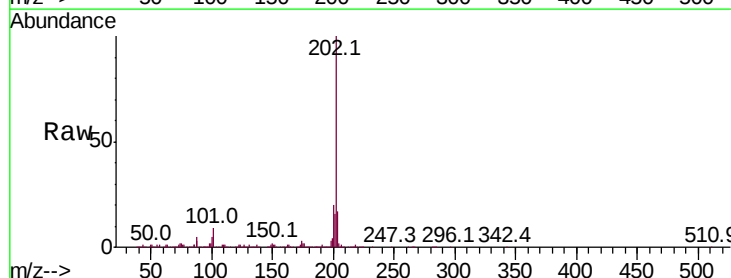


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

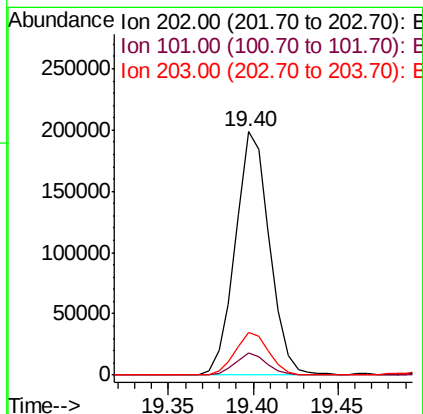
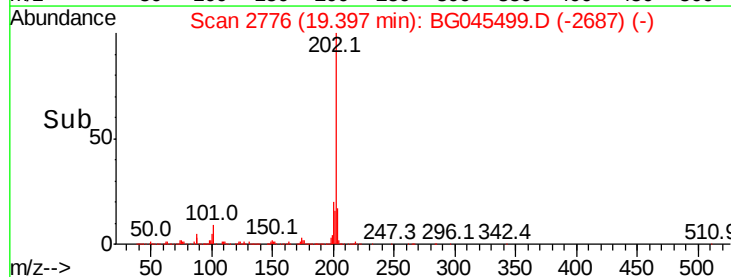


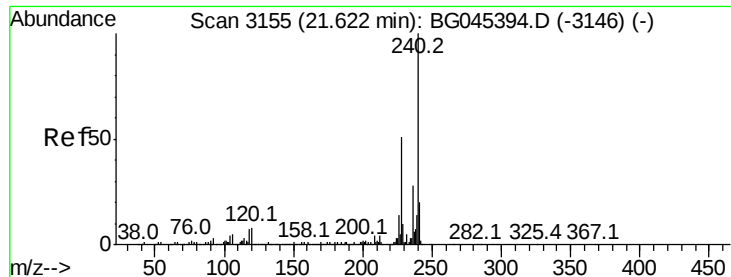
#75
 Fluoranthene
 Concen: 8.720 ng
 RT: 19.40 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: BG045499.D
 Acq: 28 May 2020 16:12

Tgt Ion:202 Resp: 277450
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 28.3
 203 17.5 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# 3152

Delta R.T. -0.00 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

Instrument :

BNA_G

ClientSampleId :

NM36-COMP-2020-0-6

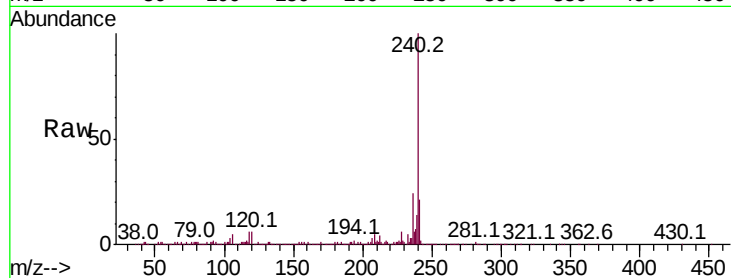
Tot Ion:240 Resp: 493501

Ion Ratio Lower Upper

240 100

120 6.1 6.1 9.1#

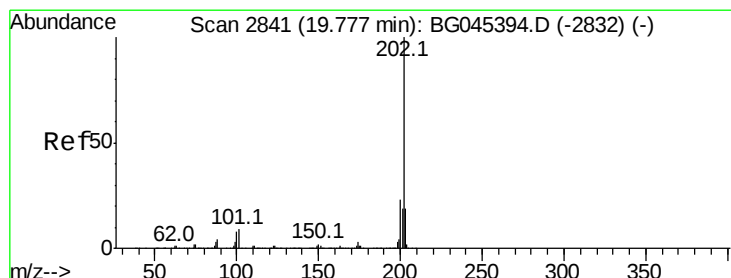
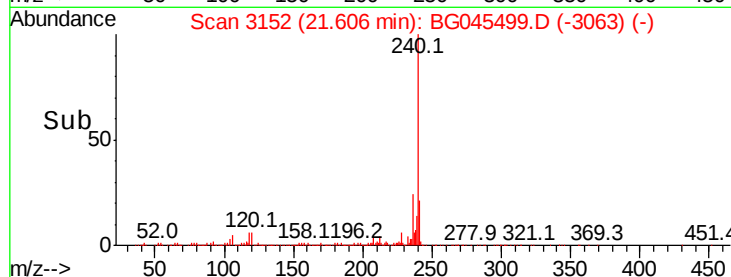
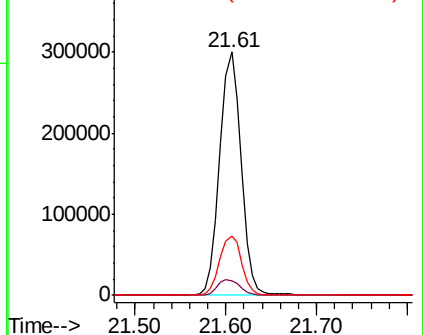
236 24.5 22.3 33.5



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: 9.268 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

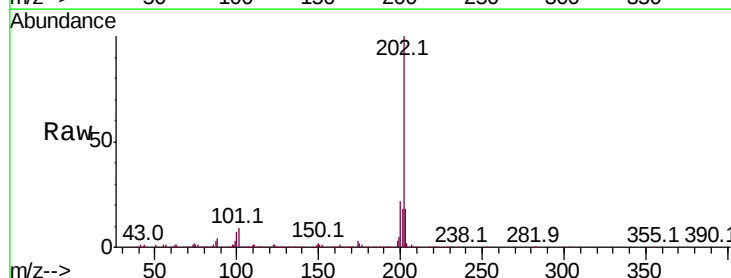
Tgt Ion:202 Resp: 260716

Ion Ratio Lower Upper

202 100

200 22.2 18.2 27.2

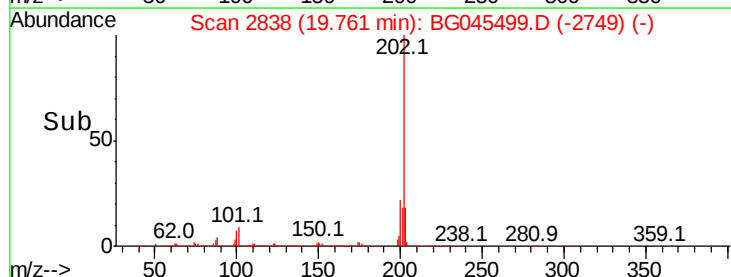
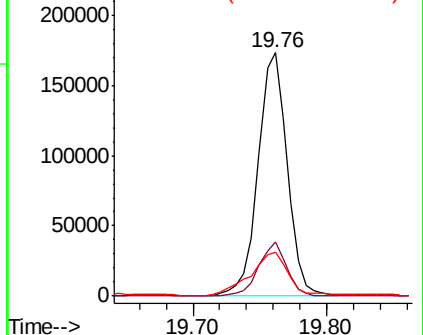
203 18.3 15.1 22.7

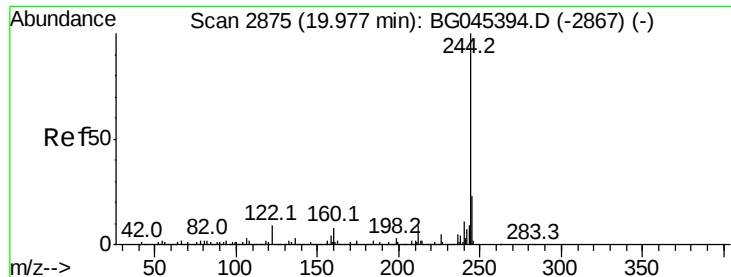


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 67.377 ng

RT: 19.96 min Scan# 2872

Delta R.T. -0.00 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

Instrument :

BNA_G

ClientSampleId :

NM36-COMP-2020-0-6

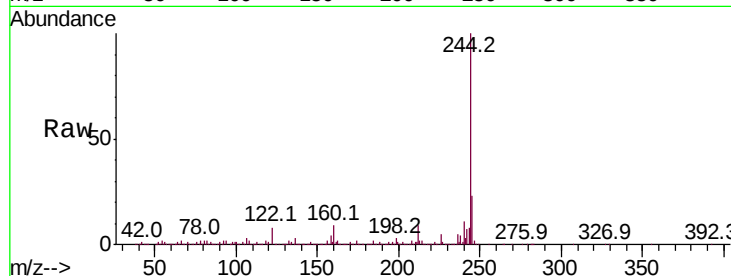
Tot Ion:244 Resp: 1425659

Ion Ratio Lower Upper

244 100

212 9.1 7.4 11.0

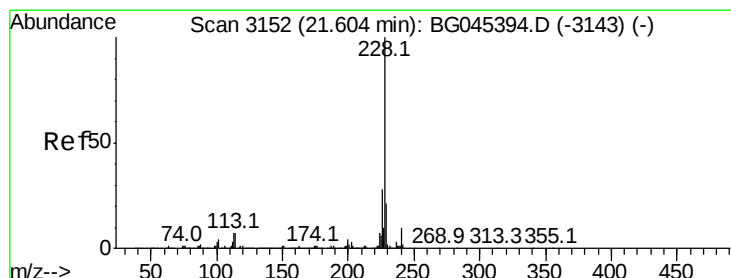
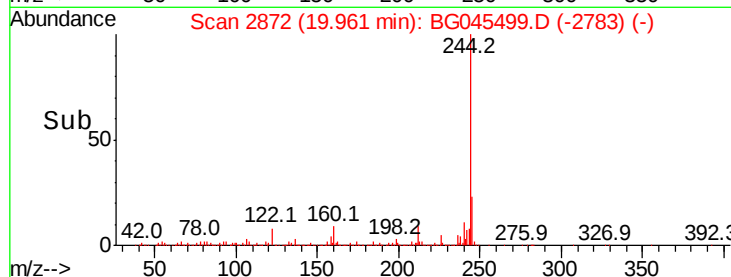
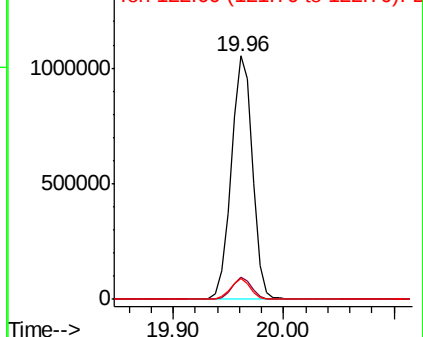
122 8.4 6.8 10.2



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: 5.608 ng

RT: 21.59 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

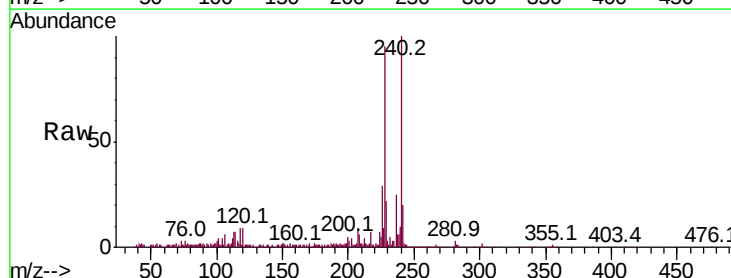
Tgt Ion:228 Resp: 154173

Ion Ratio Lower Upper

228 100

226 30.0 22.7 34.1

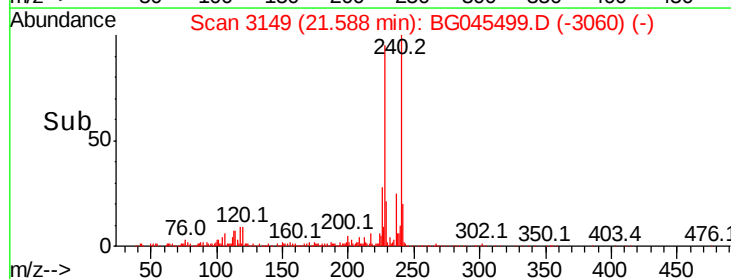
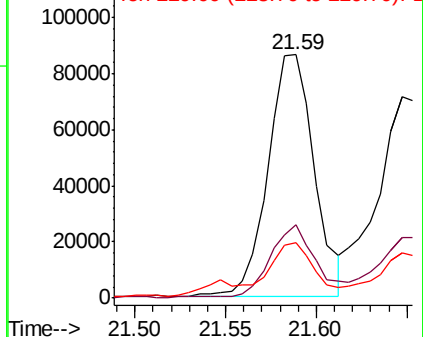
229 22.8 16.7 25.1

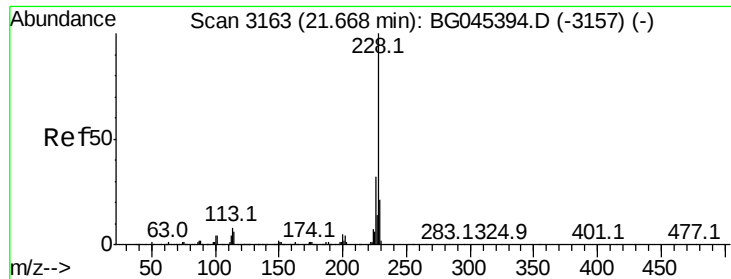


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.422 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

Instrument :

BNA_G

ClientSampleId :

NM36-COMP-2020-0-6

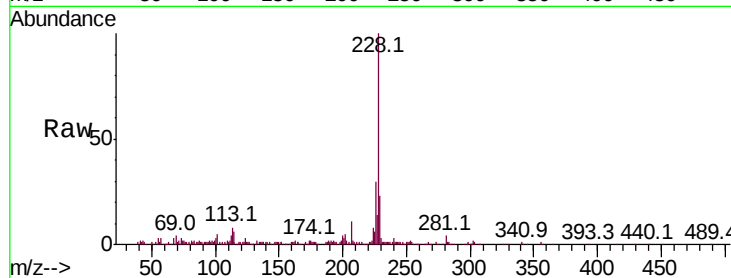
Tot Ion:228 Resp: 143321

Ion Ratio Lower Upper

228 100

226 30.3 25.2 37.8

229 22.5 16.7 25.1

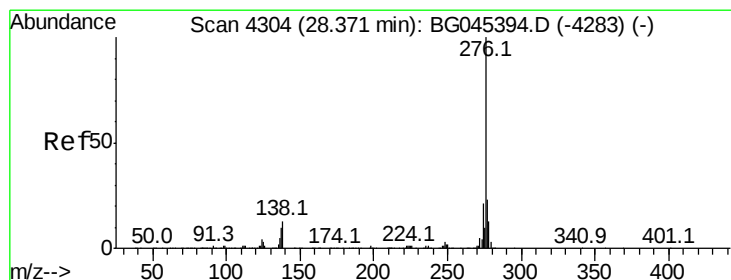
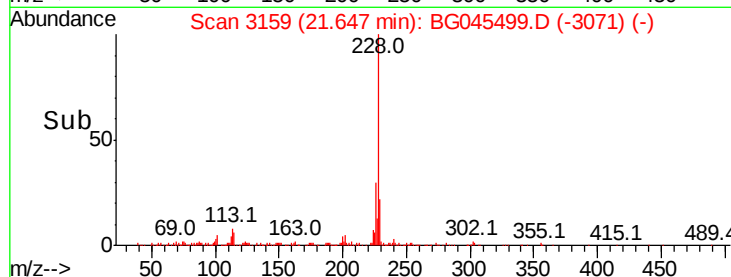
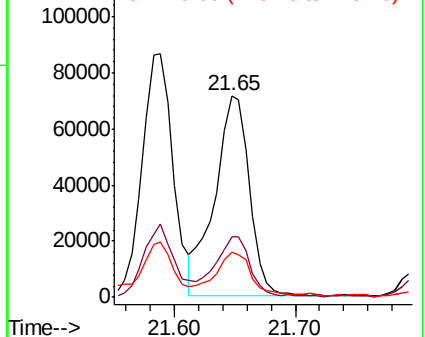


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.123 ng

RT: 28.31 min Scan# 4294

Delta R.T. -0.02 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

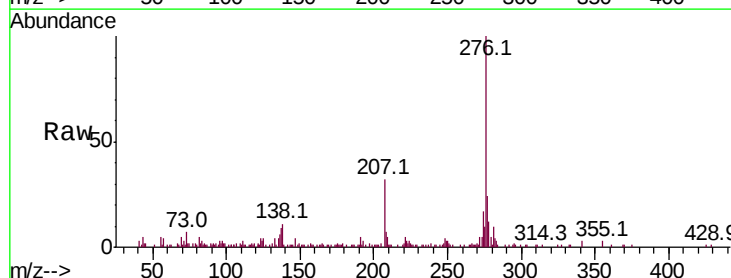
Tgt Ion:276 Resp: 107943

Ion Ratio Lower Upper

276 100

138 0.0 8.6 12.8#

277 24.4 20.2 30.4

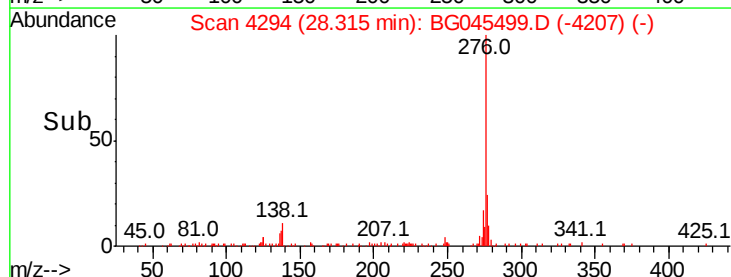
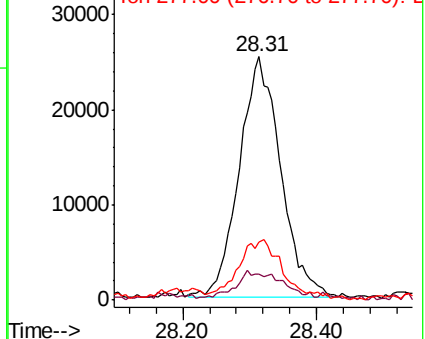


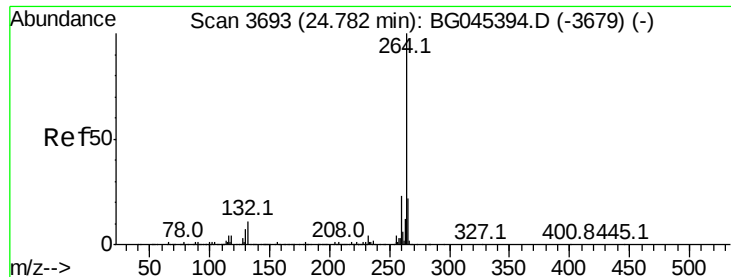
Abundance

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: 24.75 min Scan# 3688

Delta R.T. -0.00 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

Instrument :

BNA_G

ClientSampleId :

NM36-COMP-2020-0-6

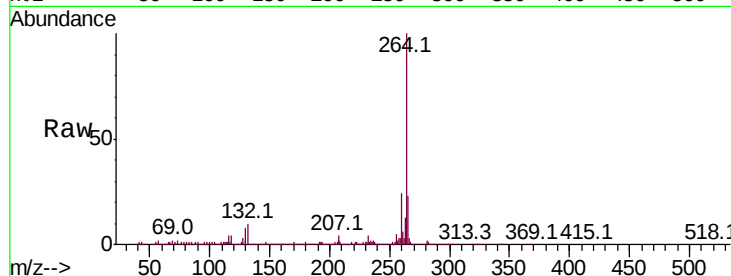
Tot Ion:264 Resp: 528452

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

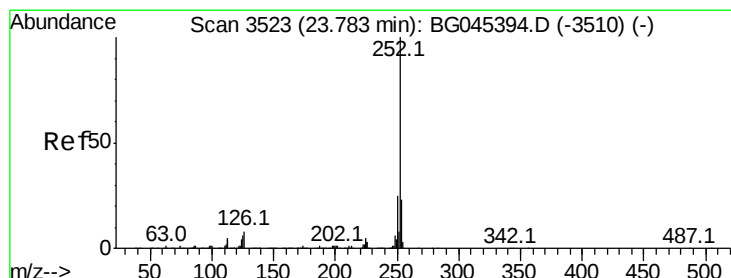
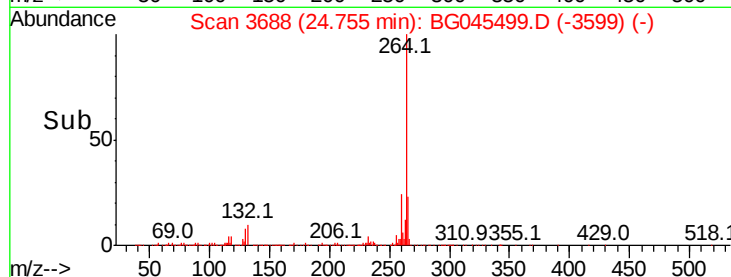
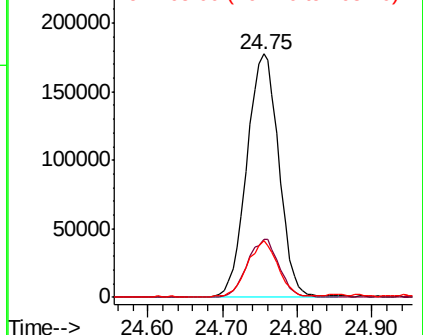
265 23.3 17.6 26.4



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: 7.453 ng

RT: 23.76 min Scan# 3518

Delta R.T. -0.00 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

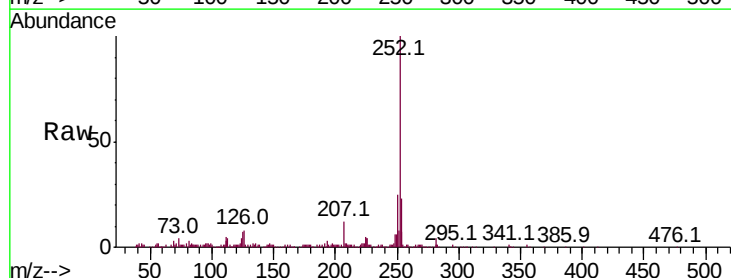
Tgt Ion:252 Resp: 211221

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

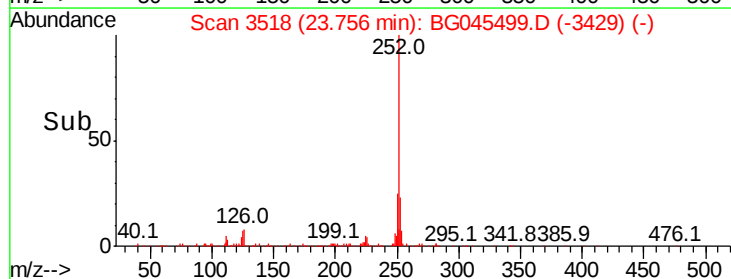
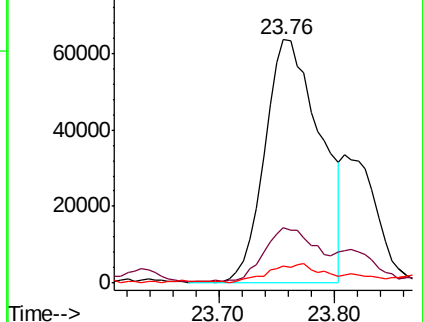
125 7.2 5.0 7.6

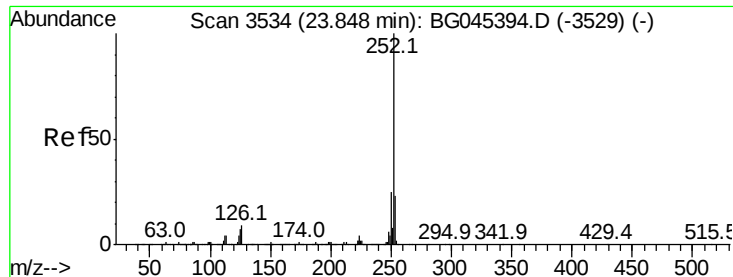


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.933 ng

RT: 23.76 min Scan# 3518

Delta R.T. -0.07 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

Instrument :

BNA_G

ClientSampleId :

NM36-COMP-2020-0-6

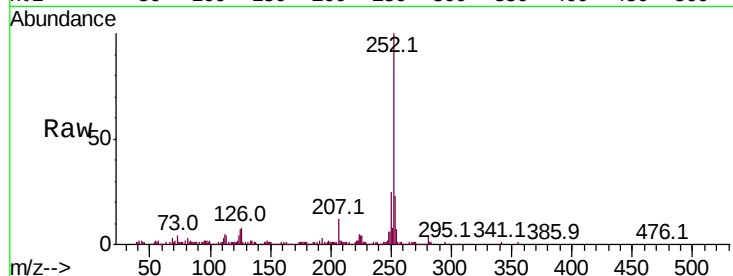
Tot Ion:252 Resp: 211221

Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

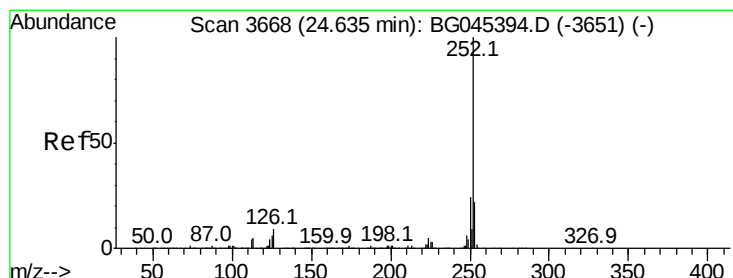
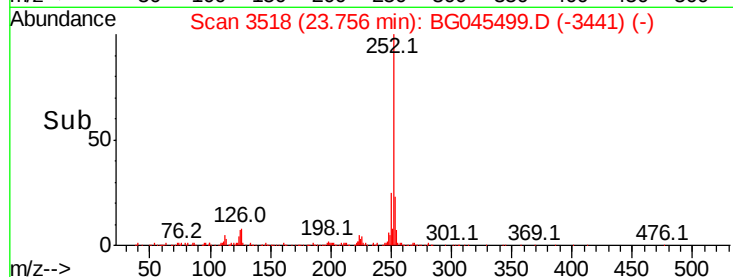
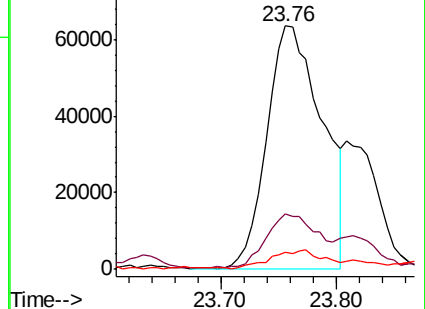
125 7.2 5.7 8.5



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: 5.855 ng

RT: 24.60 min Scan# 3662

Delta R.T. -0.01 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

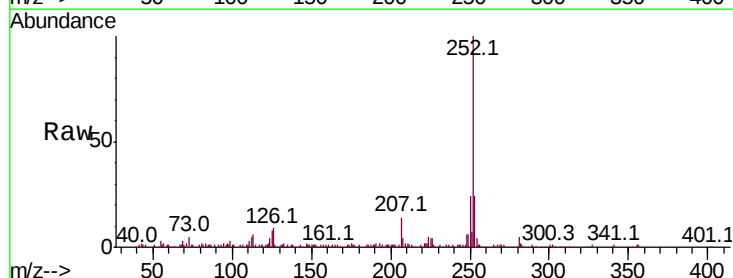
Tgt Ion:252 Resp: 154543

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

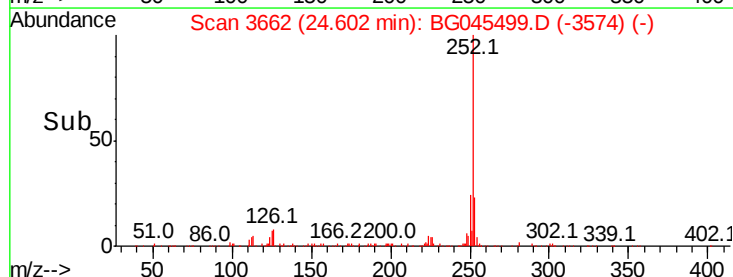
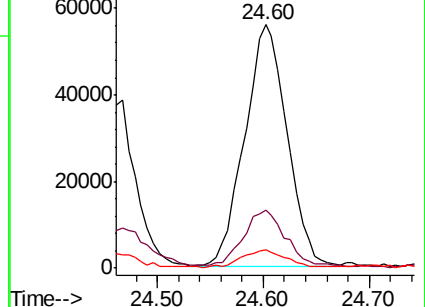
125 7.5 5.0 7.6

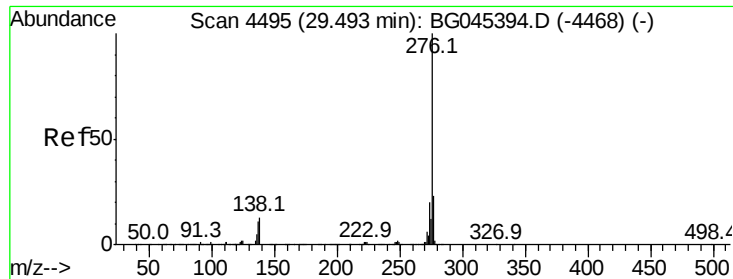


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 4.041 ng

RT: 29.43 min Scan# 4484

Delta R.T. -0.02 min

Lab File: BG045499.D

Acq: 28 May 2020 16:12

Instrument :

BNA_G

ClientSampleId :

NM36-COMP-2020-0-6

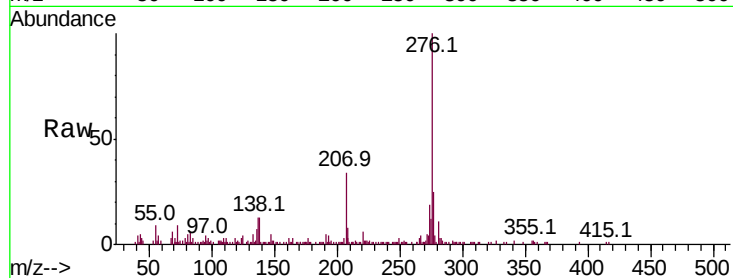
Tot Ion:276 Resp: 107205

Ion Ratio Lower Upper

276 100

277 25.4 18.1 27.1

138 12.8 10.2 15.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

