

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020224\
 Data File : BG060551.D
 Acq On : 2 Feb 2024 3:05
 Operator : MA/JU
 Sample : P1317-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-7-013124

Quant Time: Feb 02 03:51:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

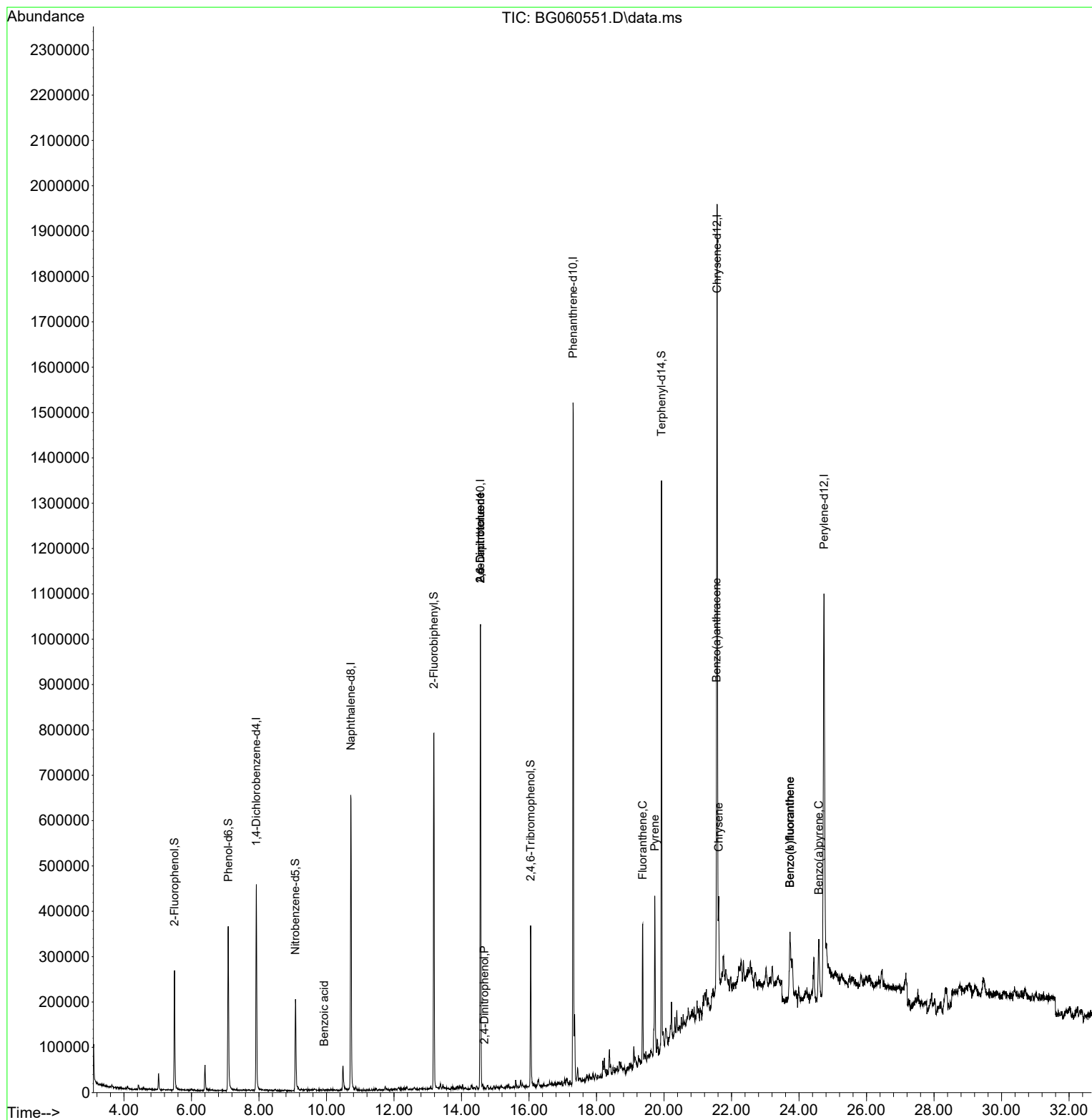
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.917	152	145006	20.000	ng	-0.01
21) Naphthalene-d8	10.720	136	583446	20.000	ng	#-0.01
39) Acenaphthene-d10	14.556	164	383837	20.000	ng	-0.01
64) Phenanthrene-d10	17.306	188	1063552	20.000	ng	0.00
76) Chrysene-d12	21.572	240	1015083	20.000	ng	0.00
86) Perylene-d12	24.739	264	1030821	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	138198	15.676	ng	0.00
7) Phenol-d6	7.089	99	261522	20.033	ng	0.00
23) Nitrobenzene-d5	9.081	82	150501	12.180	ng	-0.01
42) 2,4,6-Tribromophenol	16.049	330	85365	15.116	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	470622	17.047	ng	0.00
79) Terphenyl-d14	19.927	244	685180	9.611	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.932	122	57	10.209	ng	# 1
51) 2,6-Dinitrotoluene	14.556	165	51175	8.176	ng	# 33
54) 2,4-Dinitrophenol	14.680	184	75	8.604	ng	# 27
57) 2,4-Dinitrotoluene	14.556	165	51175	5.963	ng	# 26
75) Fluoranthene	19.368	202	201058	3.256	ng	89
78) Pyrene	19.727	202	220467	3.401	ng	# 85
81) Benzo(a)anthracene	21.554	228	151270	2.407	ng	95
83) Chrysene	21.619	228	143751	2.326	ng	92
88) Benzo(b)fluoranthene	23.734	252	180465	2.963	ng	# 97
89) Benzo(k)fluoranthene	23.734	252	180465	3.003	ng	# 98
90) Benzo(a)pyrene	24.586	252	155587	2.828	ng	97

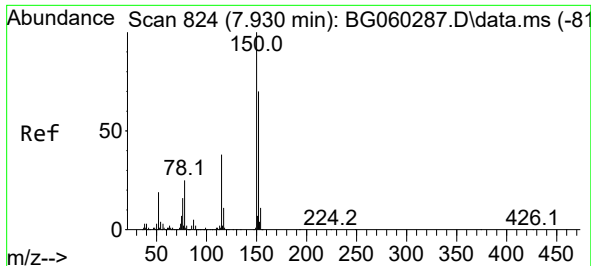
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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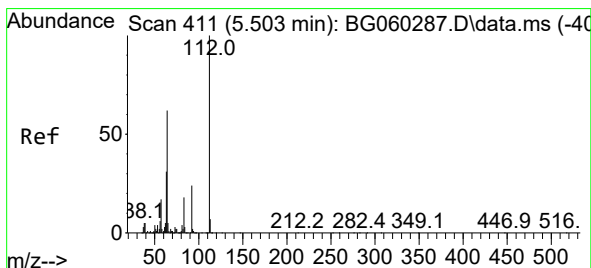
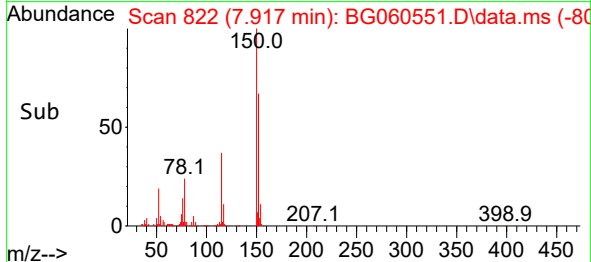
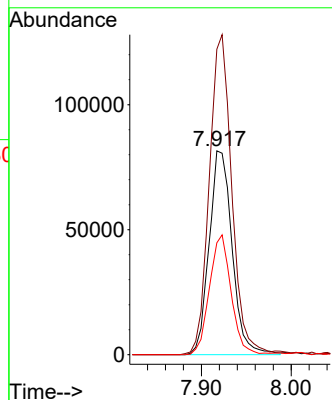
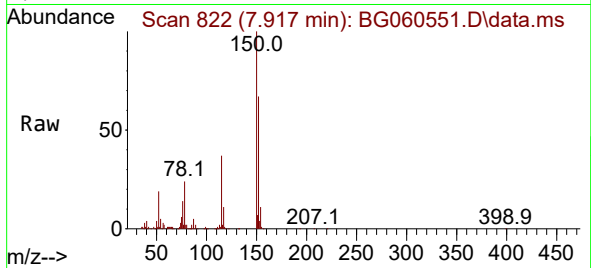




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.917 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

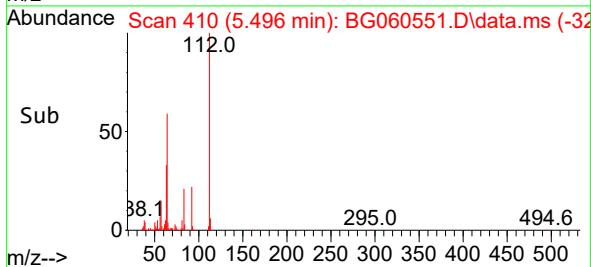
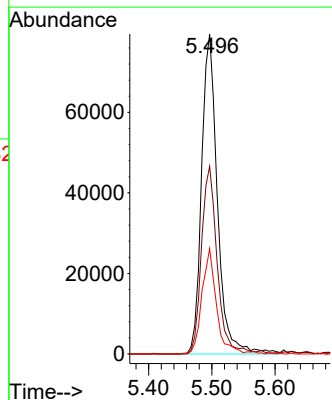
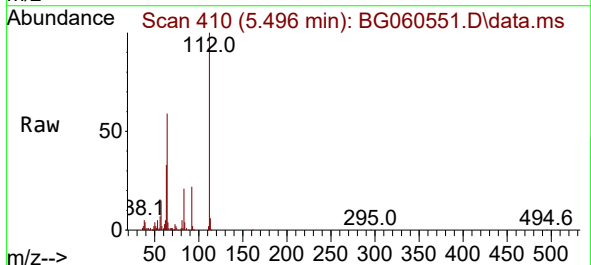
Instrument :
BNA_G
ClientSampleId :
NB-7-013124

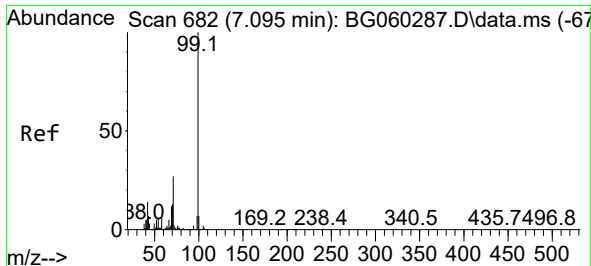
Tgt Ion:152 Resp: 145006
Ion Ratio Lower Upper
152 100
150 149.9 114.5 171.7
115 54.9 43.0 64.6



#5
2-Fluorophenol
Concen: 15.676 ng
RT: 5.496 min Scan# 410
Delta R.T. -0.007 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

Tgt Ion:112 Resp: 138198
Ion Ratio Lower Upper
112 100
64 58.7 49.8 74.6
63 33.0 24.4 36.6

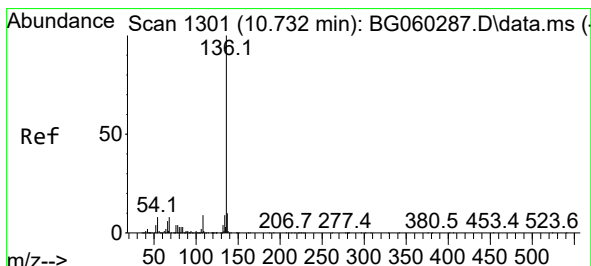
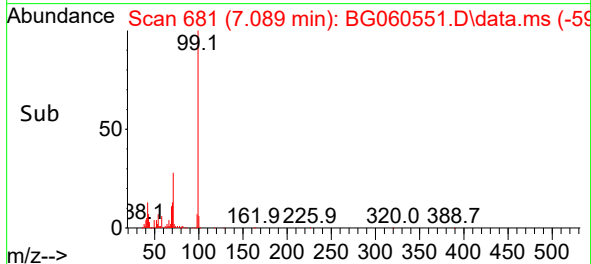
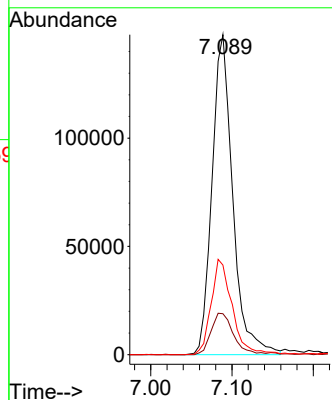
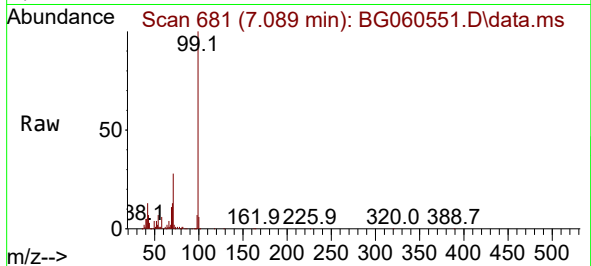




#7
Phenol-d6
Concen: 20.033 ng
RT: 7.089 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

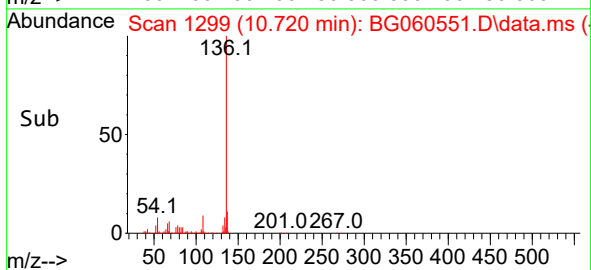
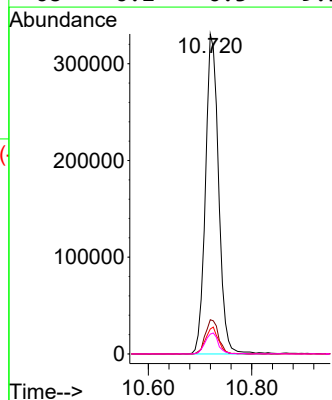
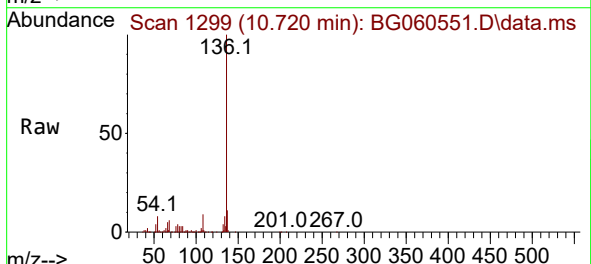
Instrument :
BNA_G
ClientSampleId :
NB-7-013124

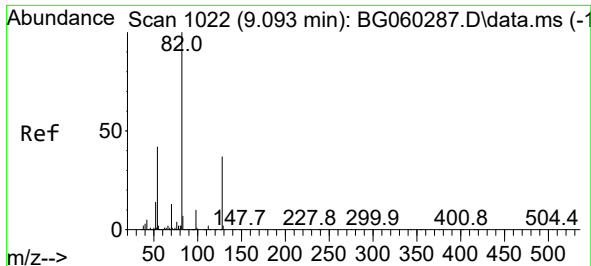
Tgt Ion: 99 Resp: 261522
Ion Ratio Lower Upper
99 100
42 12.8 10.9 16.3
71 28.0 21.5 32.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.720 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

Tgt Ion: 136 Resp: 583446
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.4
54 7.8 6.2 9.2
68 6.2 6.3 9.5#

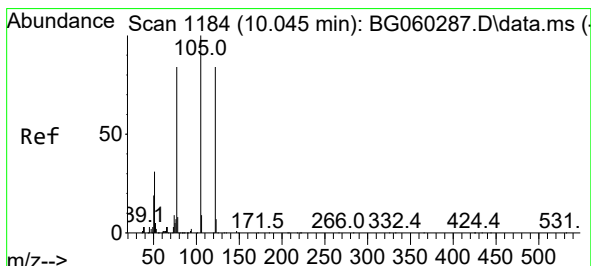
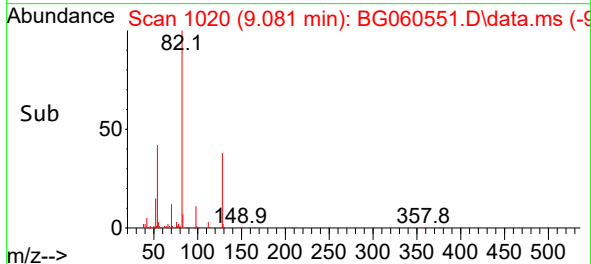
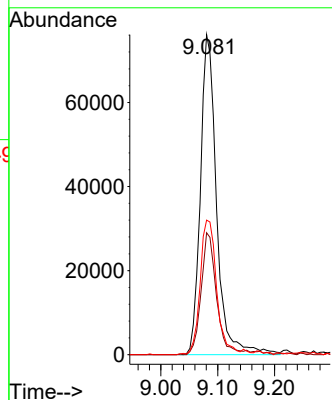
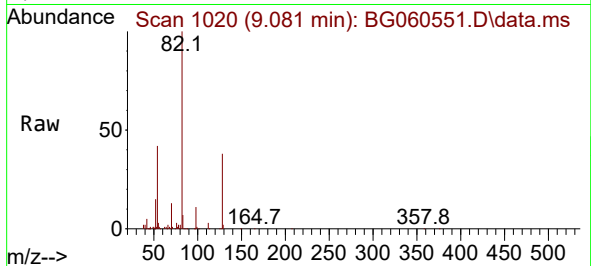




#23
Nitrobenzene-d5
Concen: 12.180 ng
RT: 9.081 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

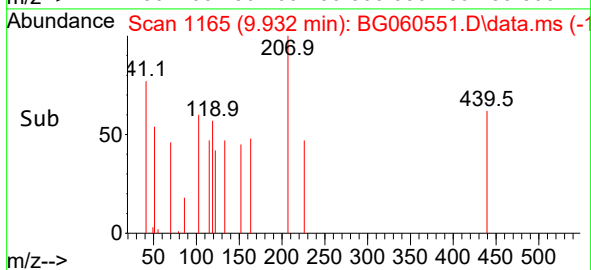
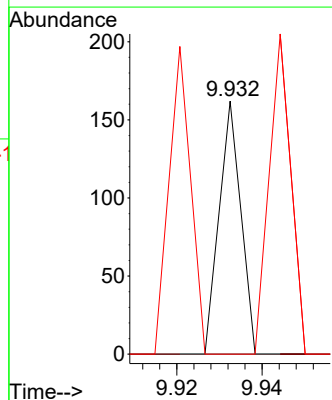
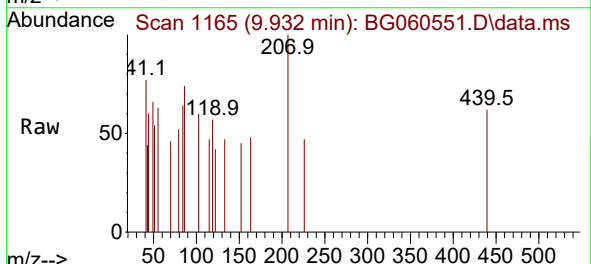
Instrument :
BNA_G
ClientSampleId :
NB-7-013124

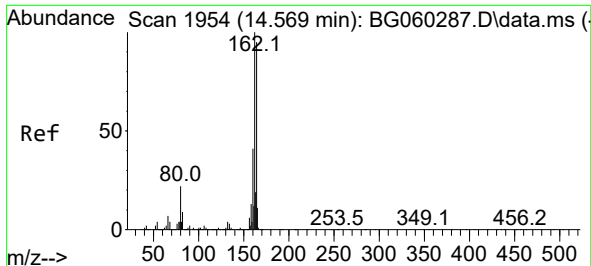
Tgt Ion: 82 Resp: 150501
Ion Ratio Lower Upper
82 100
128 38.1 29.6 44.4
54 42.0 33.6 50.4



#32
Benzoic acid
Concen: 10.209 ng
RT: 9.932 min Scan# 1165
Delta R.T. -0.113 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 96.0 136.0#
77 0.0 80.1 120.1#

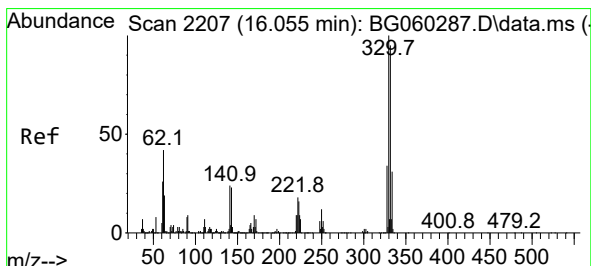
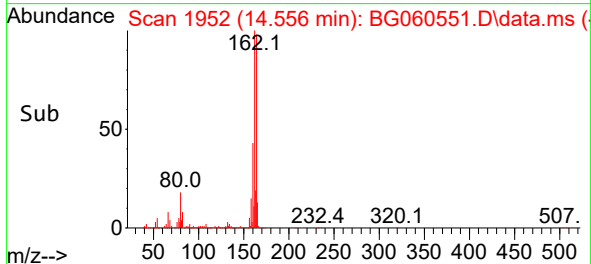
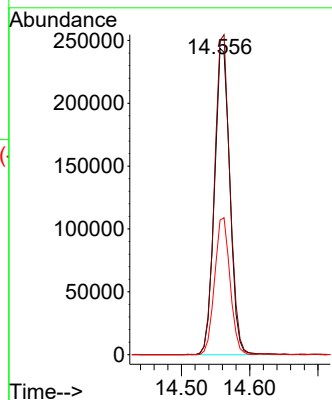
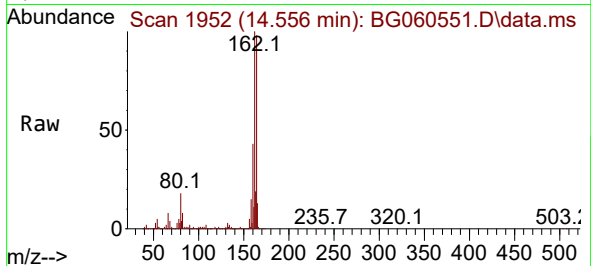




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.012 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

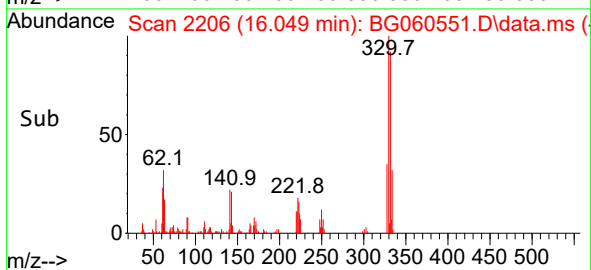
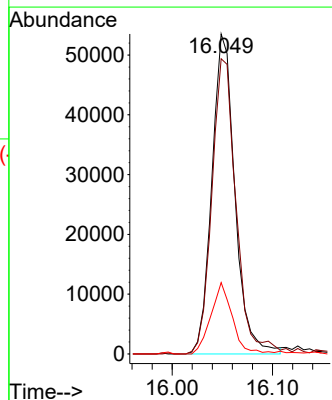
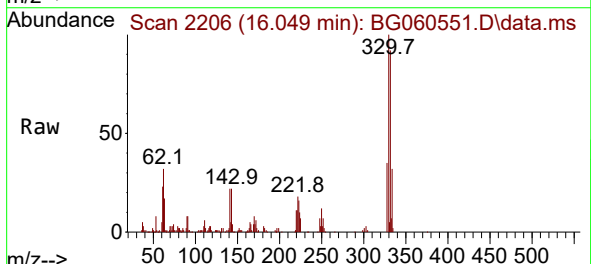
Instrument :
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ClientSampleId :
NB-7-013124

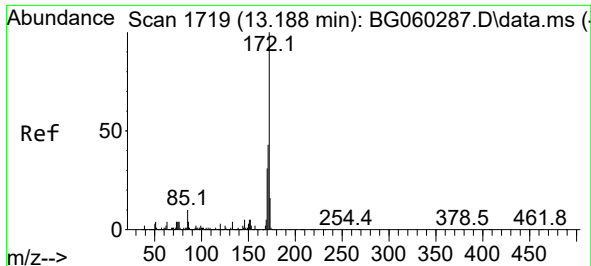
Tgt Ion:164 Resp: 383837
Ion Ratio Lower Upper
164 100
162 102.5 84.4 126.6
160 43.9 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 15.116 ng
RT: 16.049 min Scan# 2206
Delta R.T. -0.007 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

Tgt Ion:330 Resp: 85365
Ion Ratio Lower Upper
330 100
332 97.6 76.7 115.1
141 20.9 18.6 28.0

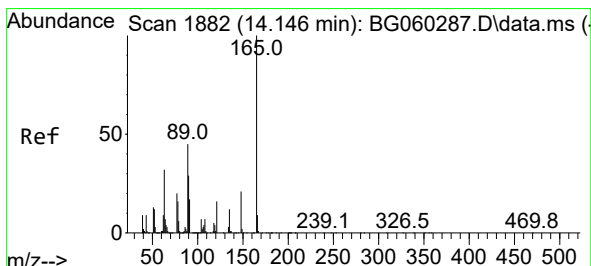
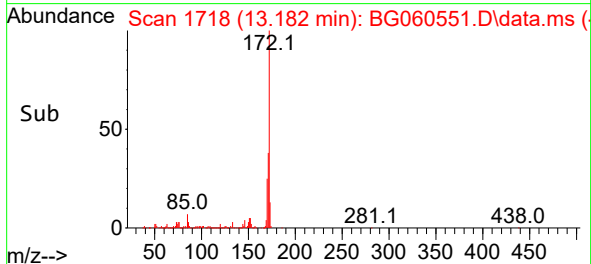
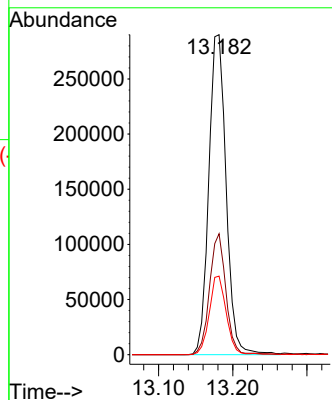
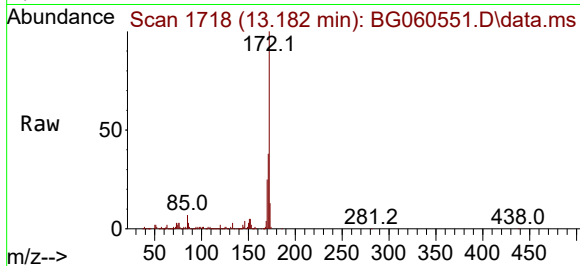




#45
2-Fluorobiphenyl
Concen: 17.047 ng
RT: 13.182 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

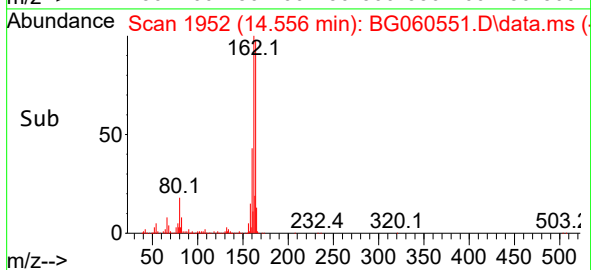
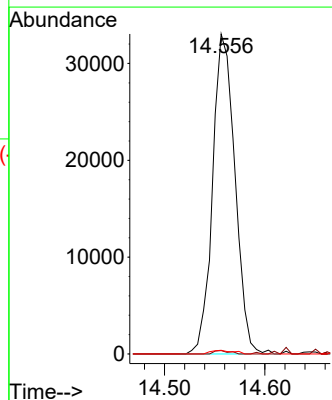
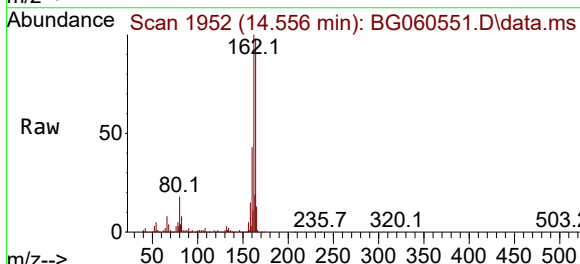
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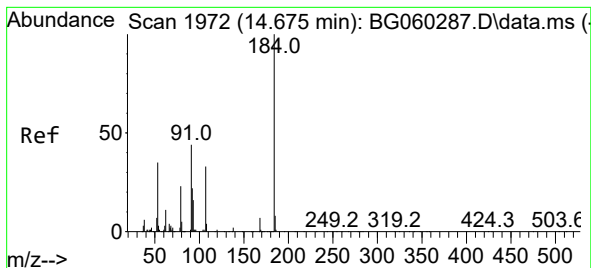
Tgt Ion:172 Resp: 470622
Ion Ratio Lower Upper
172 100
171 37.8 34.6 51.8
170 24.6 24.4 36.6



#51
2,6-Dinitrotoluene
Concen: 8.176 ng
RT: 14.556 min Scan# 1952
Delta R.T. 0.410 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

Tgt Ion:165 Resp: 51175
Ion Ratio Lower Upper
165 100
63 1.0 35.0 52.4#
89 1.2 36.2 54.2#

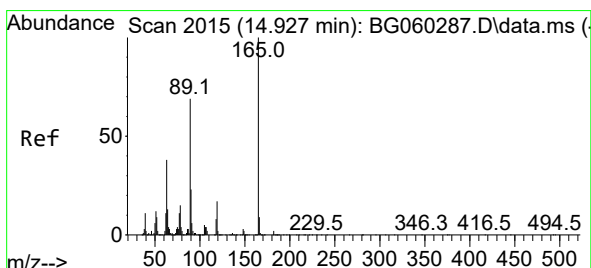
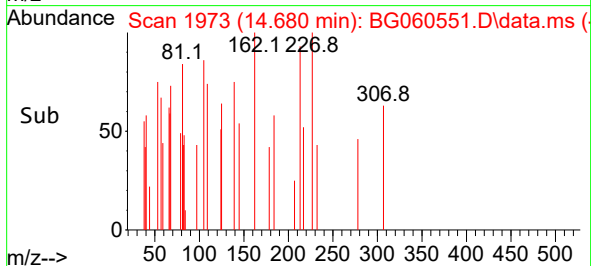
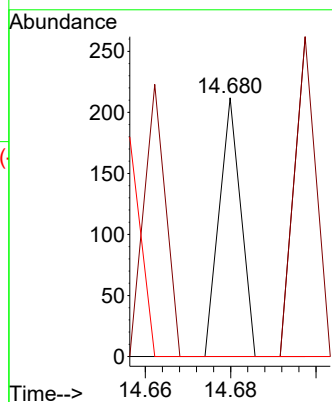
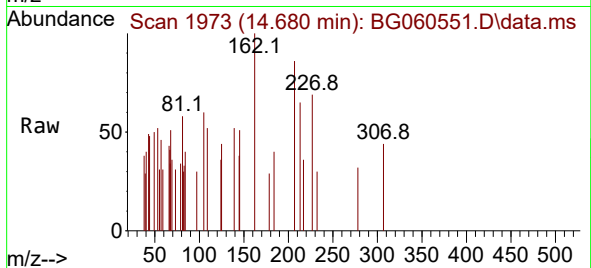




#54
2,4-Dinitrophenol
Concen: 8.604 ng
RT: 14.680 min Scan# 1973
Delta R.T. 0.005 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

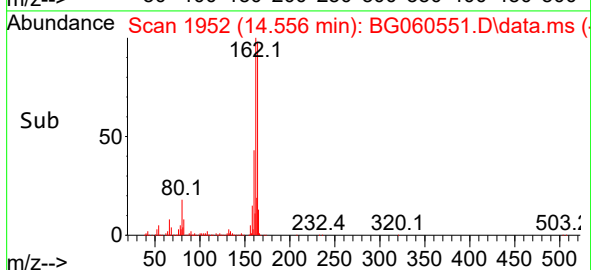
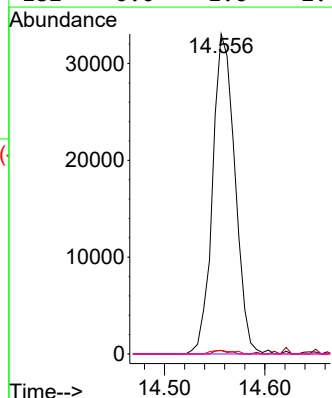
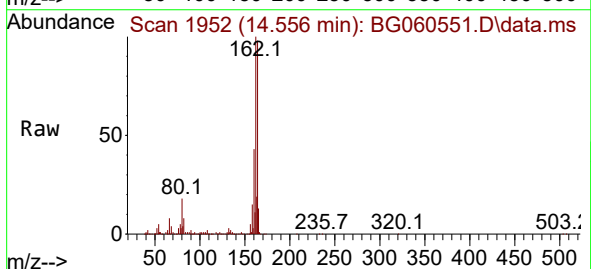
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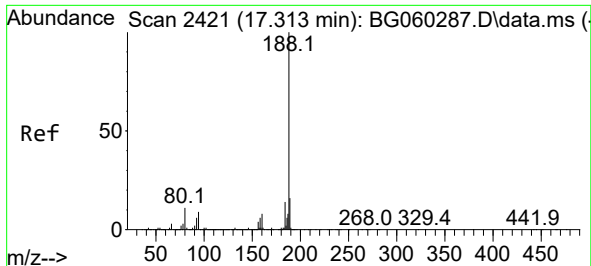
Tgt Ion:184 Resp: 75
Ion Ratio Lower Upper
184 100
63 0.0 41.0 61.4#
154 0.0 39.2 58.8#



#57
2,4-Dinitrotoluene
Concen: 5.963 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.371 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

Tgt Ion:165 Resp: 51175
Ion Ratio Lower Upper
165 100
63 1.0 30.4 45.6#
89 1.2 55.4 83.0#
182 0.0 1.6 2.4#

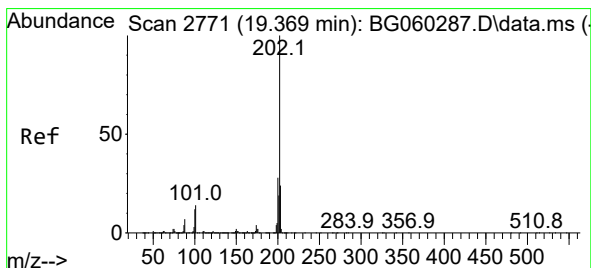
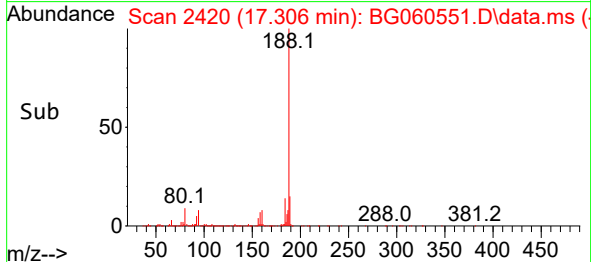
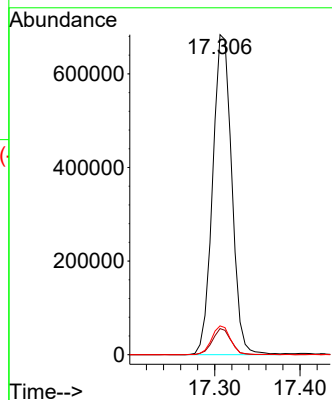
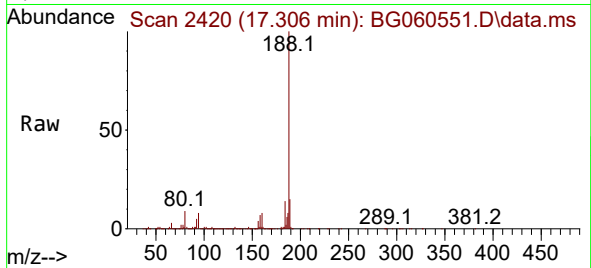




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2421
Delta R.T. -0.007 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

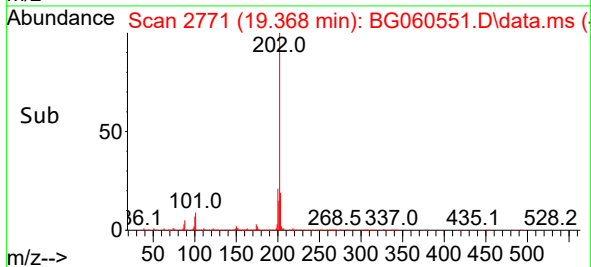
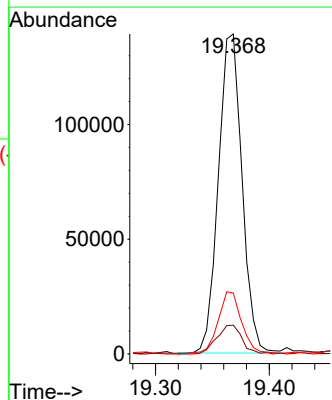
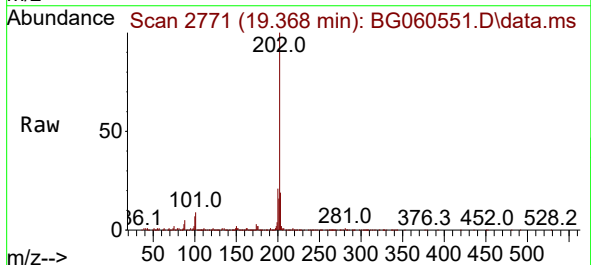
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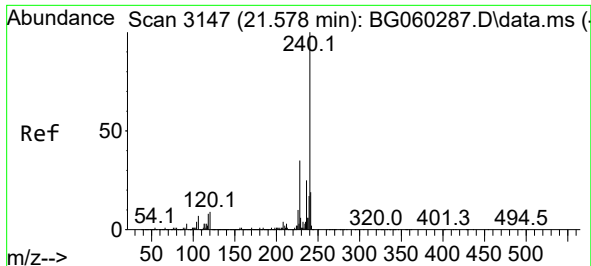
Tgt Ion:188 Resp: 1063552
Ion Ratio Lower Upper
188 100
94 8.1 7.1 10.7
80 9.0 8.5 12.7



#75
Fluoranthene
Concen: 3.256 ng
RT: 19.368 min Scan# 2771
Delta R.T. -0.001 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

Tgt Ion:202 Resp: 201058
Ion Ratio Lower Upper
202 100
101 9.0 0.0 34.4
203 19.0 4.0 44.0

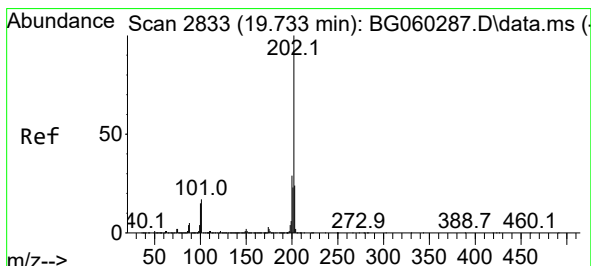
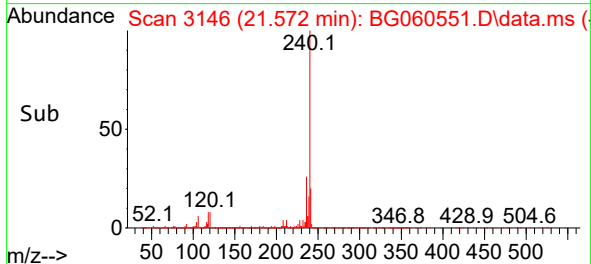
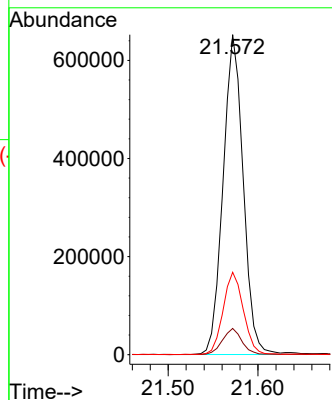
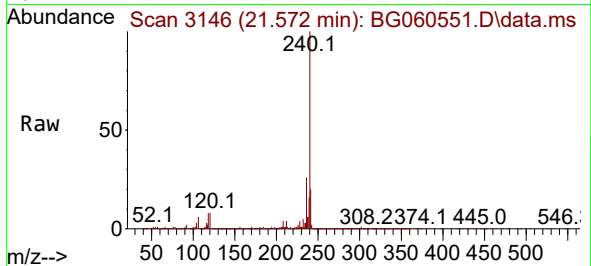




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3146
Delta R.T. -0.007 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

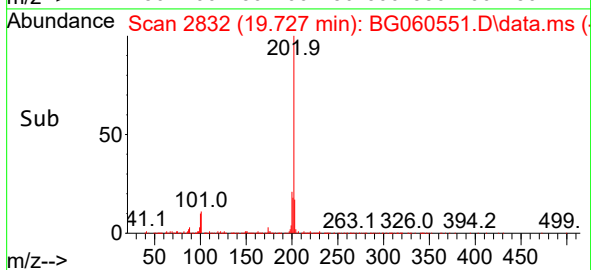
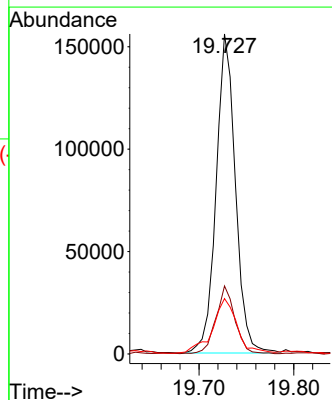
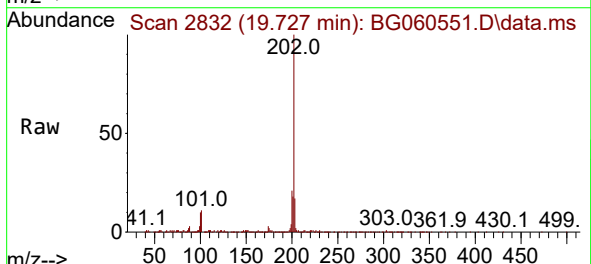
Instrument :
BNA_G
ClientSampleId :
NB-7-013124

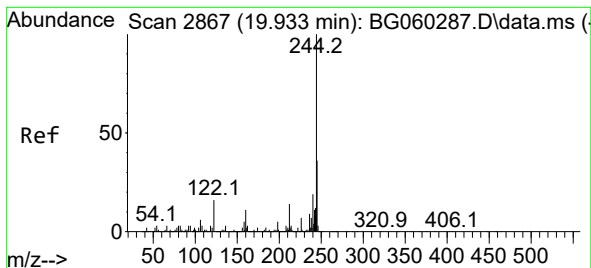
Tgt Ion:240 Resp: 1015083
Ion Ratio Lower Upper
240 100
120 8.2 7.3 10.9
236 25.8 20.3 30.5



#78
Pyrene
Concen: 3.401 ng
RT: 19.727 min Scan# 2832
Delta R.T. -0.007 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

Tgt Ion:202 Resp: 220467
Ion Ratio Lower Upper
202 100
200 21.3 23.5 35.3#
203 17.3 19.6 29.4#





#79

Terphenyl-d14

Concen: 9.611 ng

RT: 19.927 min Scan# 2

Delta R.T. -0.006 min

Lab File: BG060551.D

Acq: 2 Feb 2024 3:05

Instrument :

BNA_G

ClientSampleId :

NB-7-013124

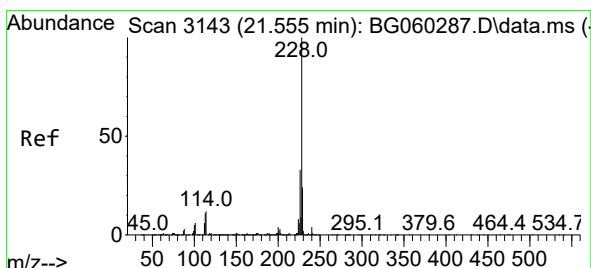
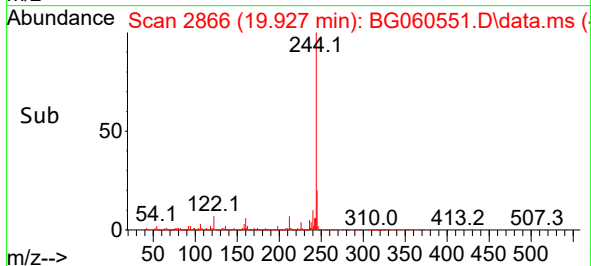
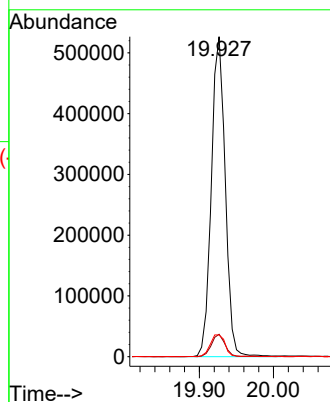
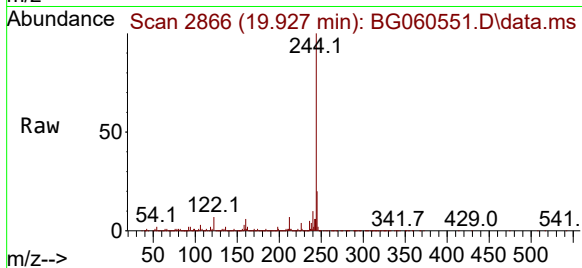
Tgt Ion:244 Resp: 685180

Ion Ratio Lower Upper

244 100

212 7.0 10.9 16.3#

122 6.8 12.6 18.8#



#81

Benzo(a)anthracene

Concen: 2.407 ng

RT: 21.554 min Scan# 3143

Delta R.T. -0.001 min

Lab File: BG060551.D

Acq: 2 Feb 2024 3:05

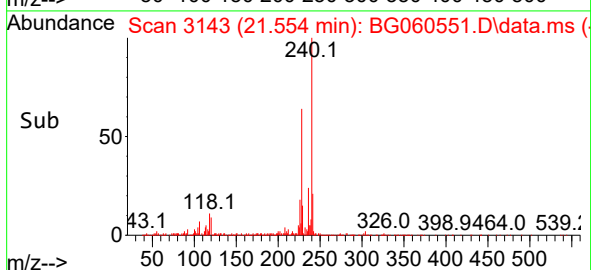
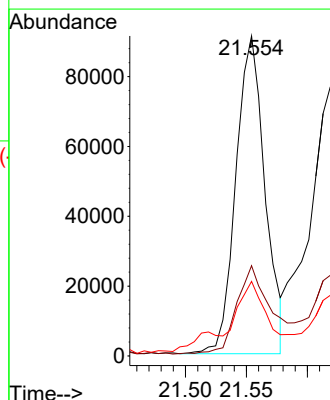
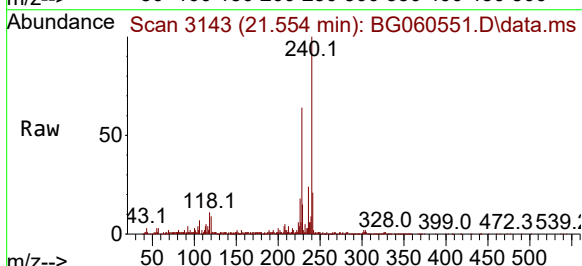
Tgt Ion:228 Resp: 151270

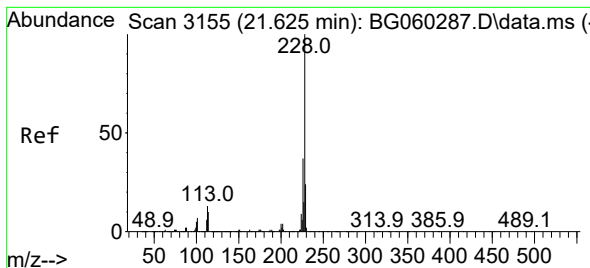
Ion Ratio Lower Upper

228 100

226 28.2 26.2 39.2

229 23.3 19.4 29.2





#83

Chrysene

Concen: 2.326 ng

RT: 21.619 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG060551.D

Acq: 2 Feb 2024 3:05

Instrument :

BNA_G

ClientSampleId :

NB-7-013124

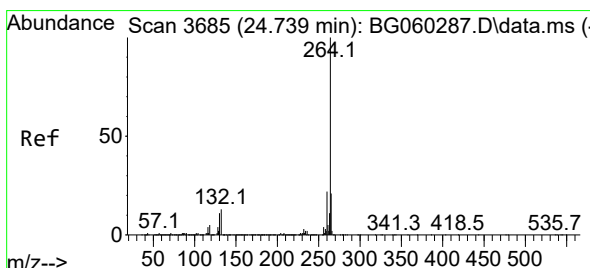
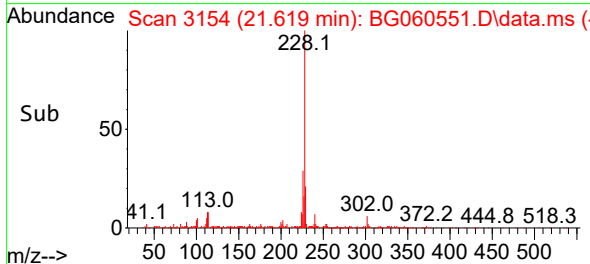
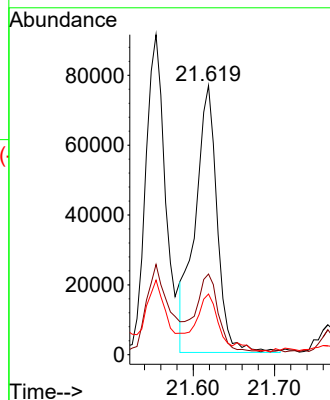
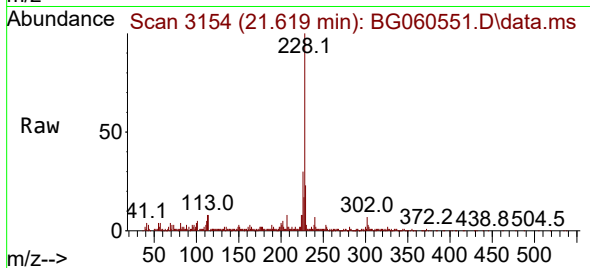
Tgt Ion:228 Resp: 143751

Ion Ratio Lower Upper

228 100

226 30.0 29.4 44.2

229 22.5 19.2 28.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.739 min Scan# 3685

Delta R.T. -0.001 min

Lab File: BG060551.D

Acq: 2 Feb 2024 3:05

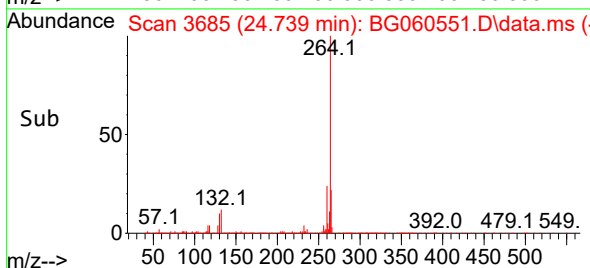
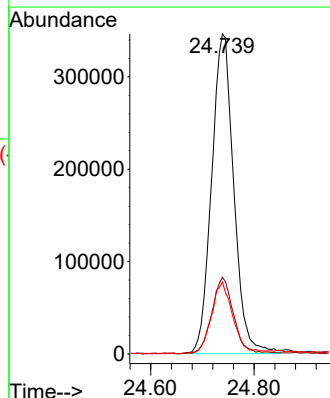
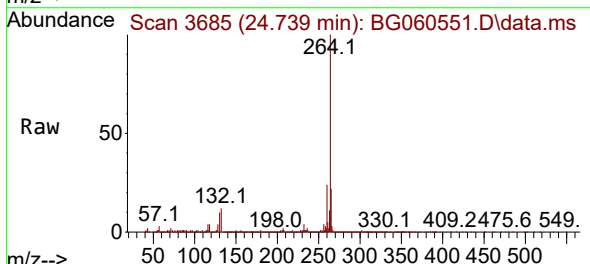
Tgt Ion:264 Resp: 1030821

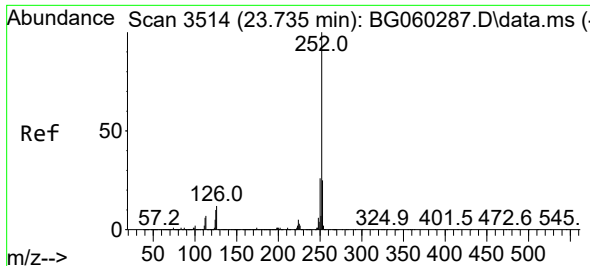
Ion Ratio Lower Upper

264 100

260 23.9 17.8 26.6

265 22.5 16.8 25.2

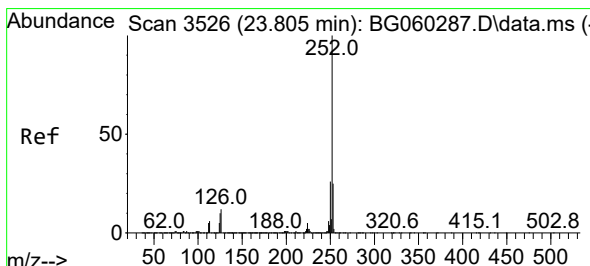
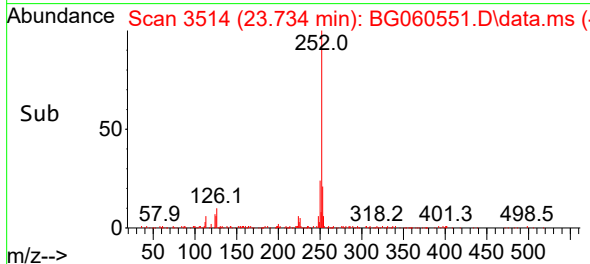
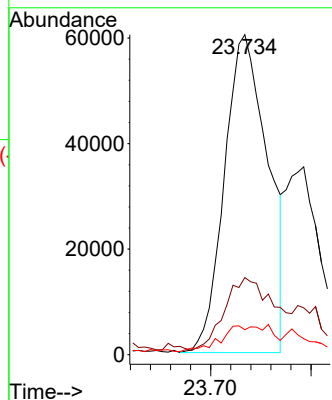
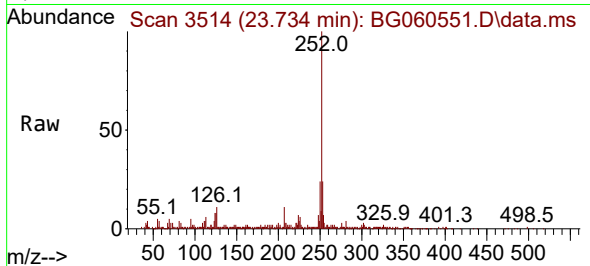




#88
Benzo(b)fluoranthene
Concen: 2.963 ng
RT: 23.734 min Scan# 3514
Delta R.T. -0.001 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

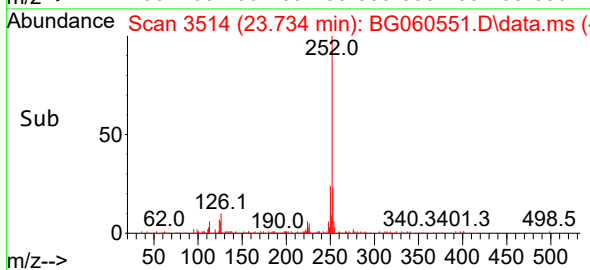
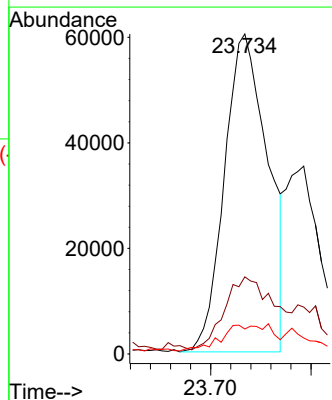
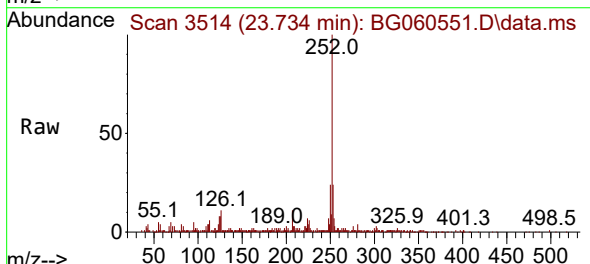
Instrument :
BNA_G
ClientSampleId :
NB-7-013124

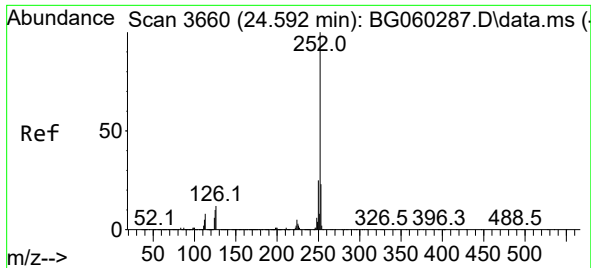
Tgt Ion:252 Resp: 180465
Ion Ratio Lower Upper
252 100
253 24.1 20.0 30.0
125 7.8 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 3.003 ng
RT: 23.734 min Scan# 3514
Delta R.T. -0.071 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

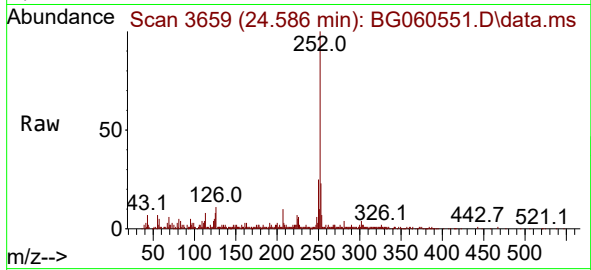
Tgt Ion:252 Resp: 180465
Ion Ratio Lower Upper
252 100
253 24.1 19.6 29.4
125 7.8 8.2 12.2#





#90
Benzo(a)pyrene
Concen: 2.828 ng
RT: 24.586 min Scan# 30
Delta R.T. -0.007 min
Lab File: BG060551.D
Acq: 2 Feb 2024 3:05

Instrument :
BNA_G
ClientSampleId :
NB-7-013124



Tgt Ion:252 Resp: 155587
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 8.2 8.1 12.1

