

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031125\
 Data File : BG064096.D
 Acq On : 11 Mar 2025 15:16
 Operator : RC/JU
 Sample : Q1534-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-363-COMP-19

Quant Time: Mar 11 15:51:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

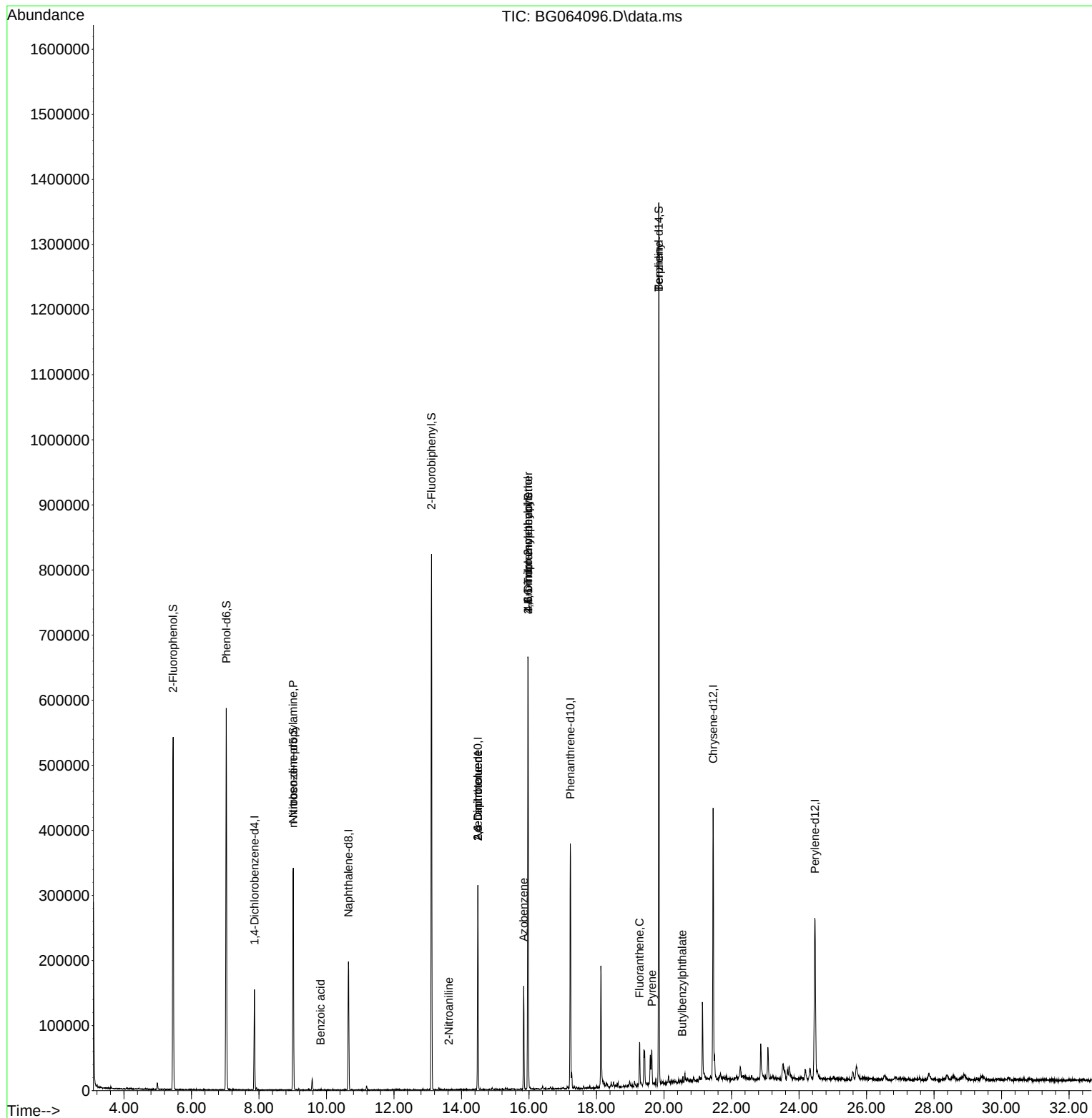
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	36461	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	155400	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	100841	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	219490	20.000	ng	0.00
76) Chrysene-d12	21.454	240	223276	20.000	ng	0.00
86) Perylene-d12	24.469	264	240901	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.456	112	206006	88.222	ng	0.00
7) Phenol-d6	7.030	99	275354	86.682	ng	0.00
23) Nitrobenzene-d5	9.016	82	179329	63.771	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	112218	100.113	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	382750	57.612	ng	0.00
79) Terphenyl-d14	19.845	244	626200	56.709	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.010	70	24883	11.162	ng	# 73
32) Benzoic acid	9.827	122	59	8.721	ng	# 1
48) 2-Nitroaniline	13.622	65	89	3.265	ng	# 11
51) 2,6-Dinitrotoluene	14.486	165	14634	12.370	ng	# 15
57) 2,4-Dinitrotoluene	14.486	165	14634	10.135	ng	# 16
63) Azobenzene	15.843	77	43574	5.053	ng	# 5
65) 4,6-Dinitro-2-methylph...	15.967	198	413	8.540	ng	# 11
67) 4-Bromophenyl-phenylether	15.973	248	7957	3.540	ng	# 1
75) Fluoranthene	19.275	202	36820	2.609	ng	98
77) Benzidine	19.845	184	11490	3.716	ng	# 91
78) Pyrene	19.639	202	32700	2.272	ng	96
80) Butylbenzylphthalate	20.538	149	145	3.662	ng	# 41

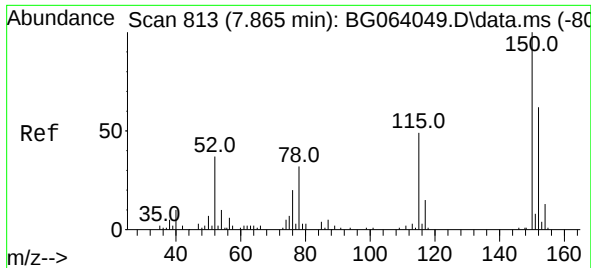
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031125\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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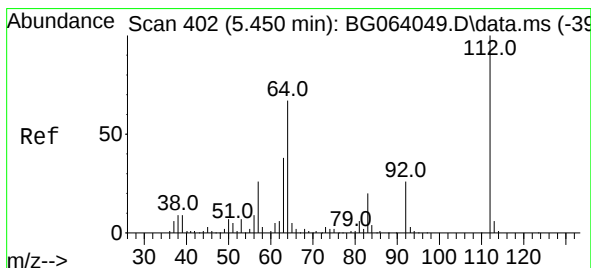
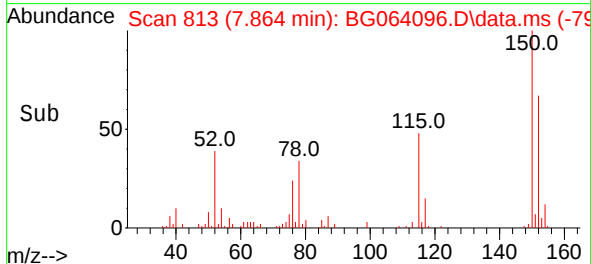
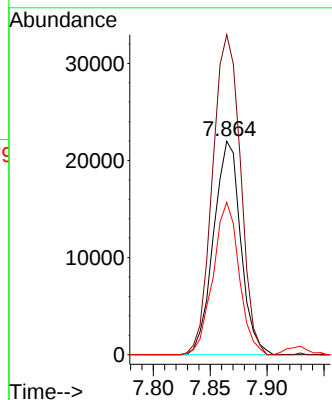
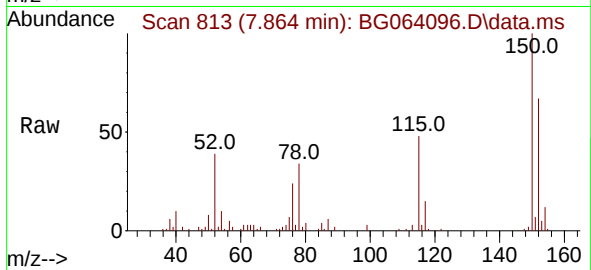




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 813
Delta R.T. -0.001 min
Lab File: BG064096.D
Acq: 11 Mar 2025 15:16

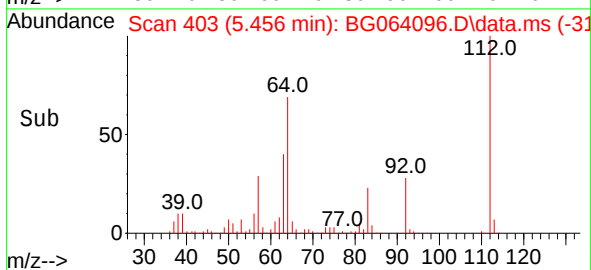
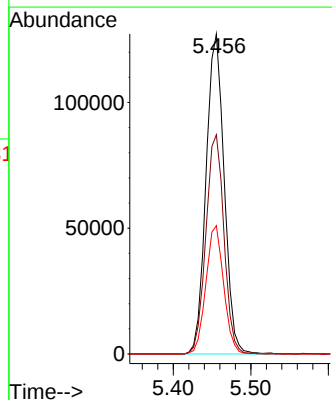
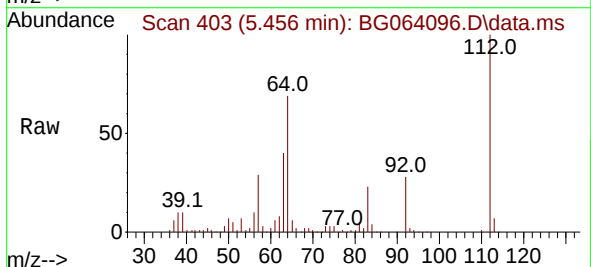
Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-19

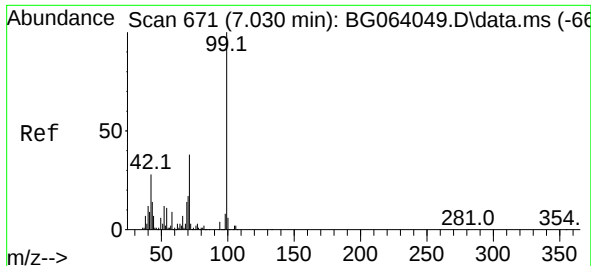
Tgt Ion:152 Resp: 36461
Ion Ratio Lower Upper
152 100
150 149.9 129.2 193.8
115 71.3 63.0 94.6



#5
2-Fluorophenol
Concen: 88.222 ng
RT: 5.456 min Scan# 403
Delta R.T. 0.006 min
Lab File: BG064096.D
Acq: 11 Mar 2025 15:16

Tgt Ion:112 Resp: 206006
Ion Ratio Lower Upper
112 100
64 68.5 53.7 80.5
63 40.1 30.2 45.4





Phenol-d6

Concen: 86.682 ng

RT: 7.030 min Scan# 61

Delta R.T. -0.000 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-19

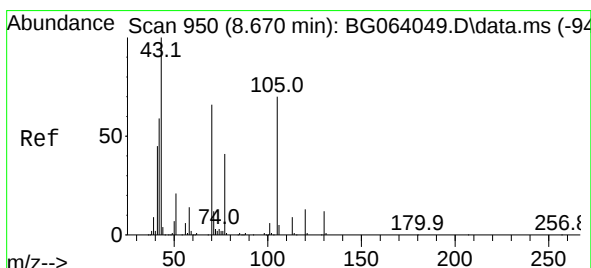
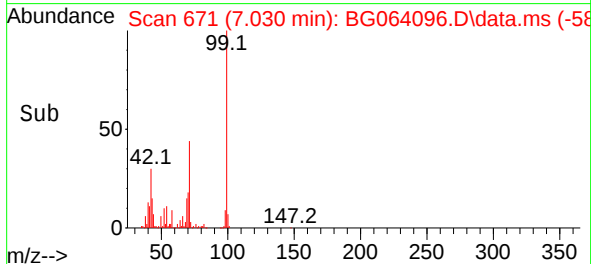
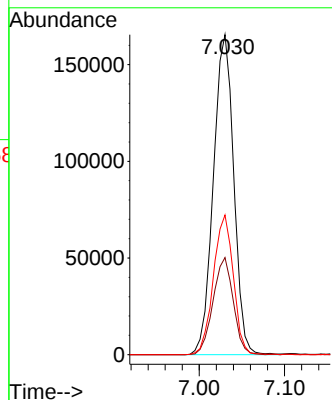
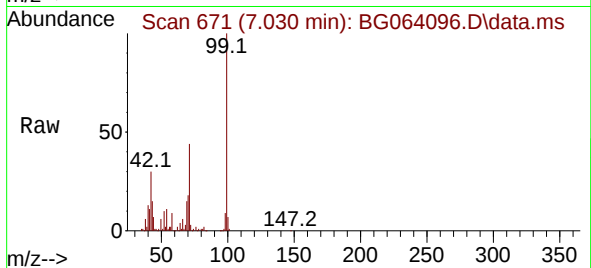
Tgt Ion: 99 Resp: 275354

Ion Ratio Lower Upper

99 100

42 30.4 22.7 34.1

71 43.6 30.6 46.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.162 ng

RT: 9.010 min Scan# 1008

Delta R.T. 0.341 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

Tgt Ion: 70 Resp: 24883

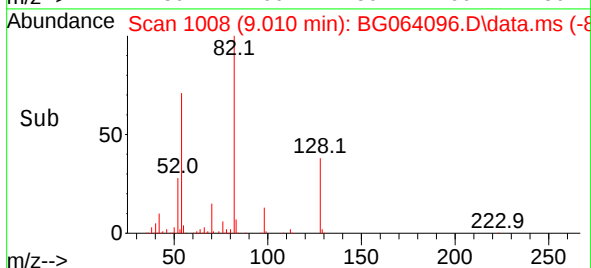
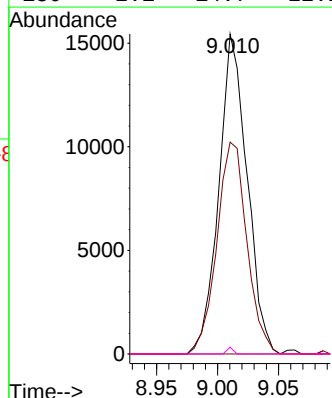
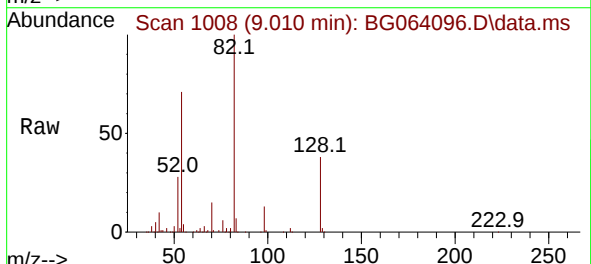
Ion Ratio Lower Upper

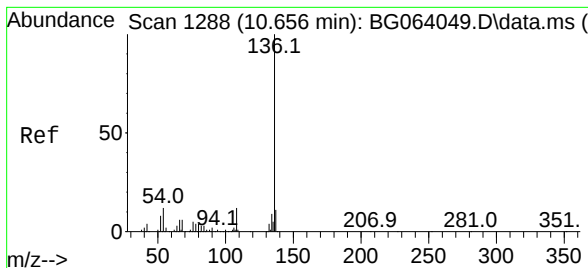
70 100

42 66.2 72.1 108.1#

101 0.0 7.2 10.8#

130 2.1 14.7 22.1#

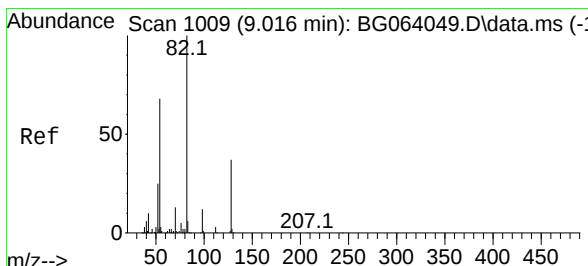
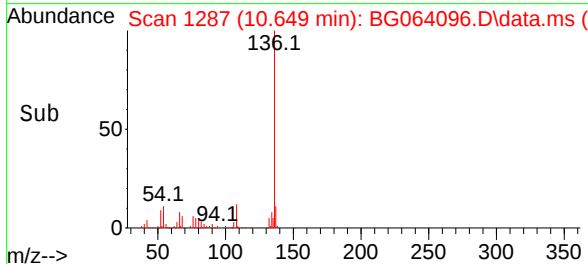
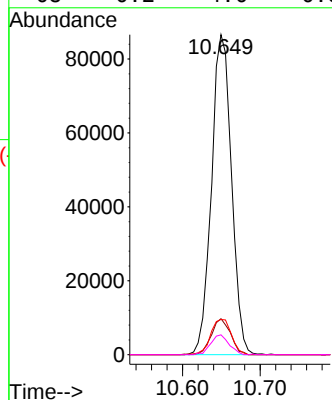
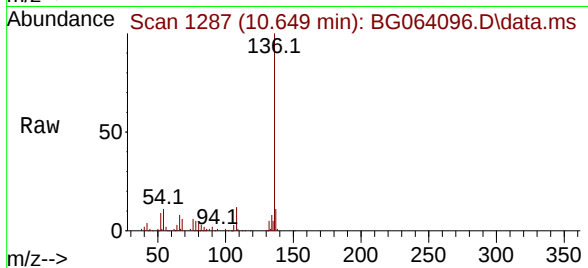




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064096.D
Acq: 11 Mar 2025 15:16

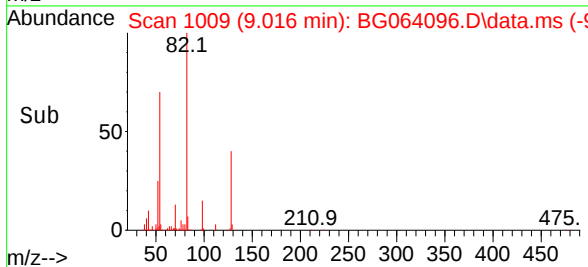
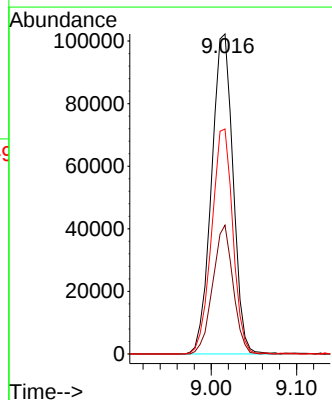
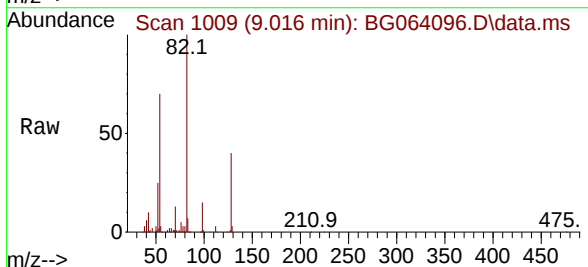
Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-19

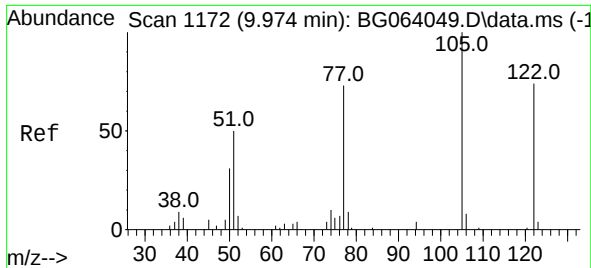
Tgt Ion:136 Resp: 155400
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 11.0 9.9 14.9
68 6.2 4.6 6.8



#23
Nitrobenzene-d5
Concen: 63.771 ng
RT: 9.016 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BG064096.D
Acq: 11 Mar 2025 15:16

Tgt Ion: 82 Resp: 179329
Ion Ratio Lower Upper
82 100
128 40.3 30.0 45.0
54 70.3 54.7 82.1

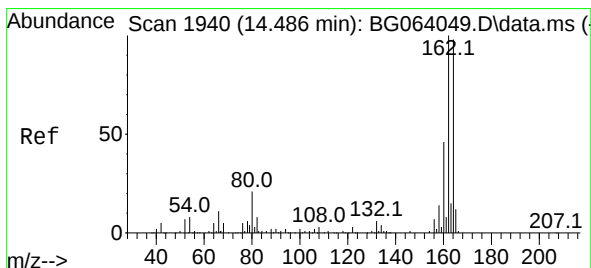
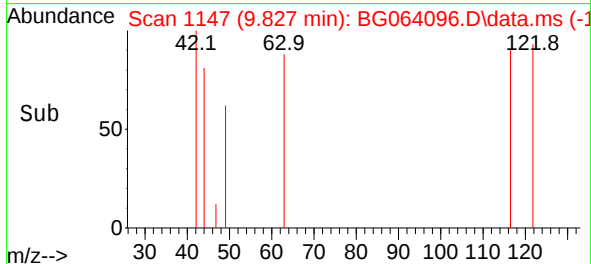
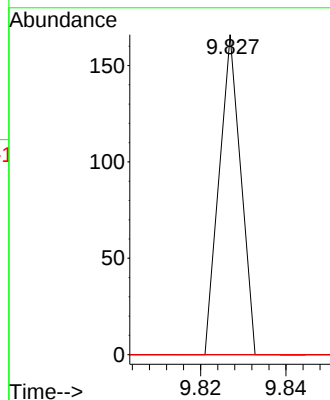
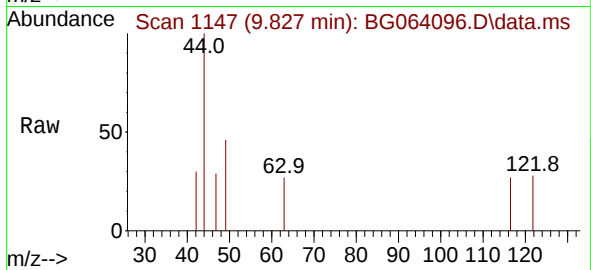




#32
Benzoic acid
Concen: 8.721 ng
RT: 9.827 min Scan# 1147
Delta R.T. -0.147 min
Lab File: BG064096.D
Acq: 11 Mar 2025 15:16

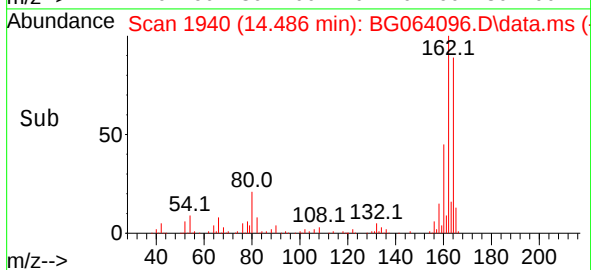
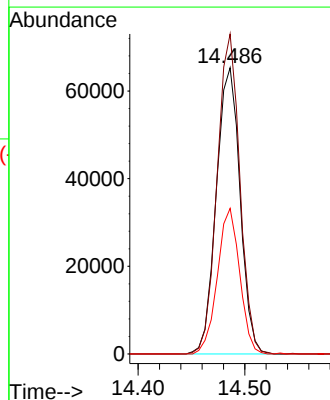
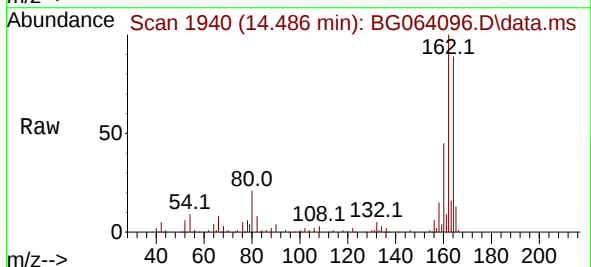
Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-19

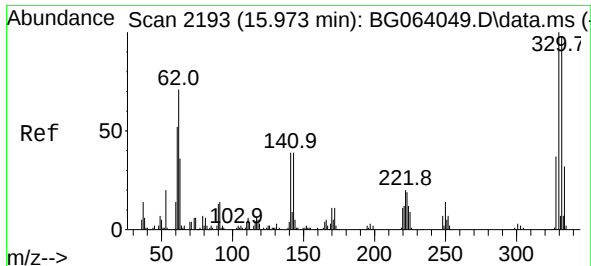
Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 80.9 120.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BG064096.D
Acq: 11 Mar 2025 15:16

Tgt Ion:164 Resp: 100841
Ion Ratio Lower Upper
164 100
162 111.8 81.4 122.0
160 50.8 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 100.113 ng

RT: 15.973 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG064096.D

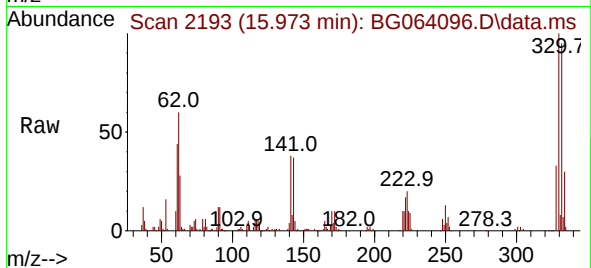
Acq: 11 Mar 2025 15:16

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-19



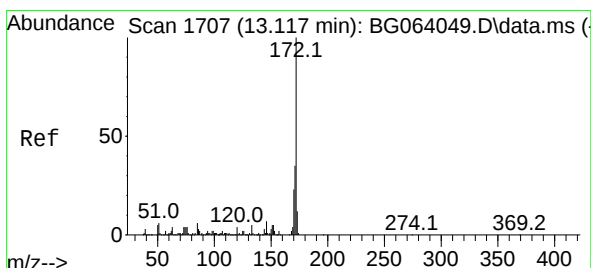
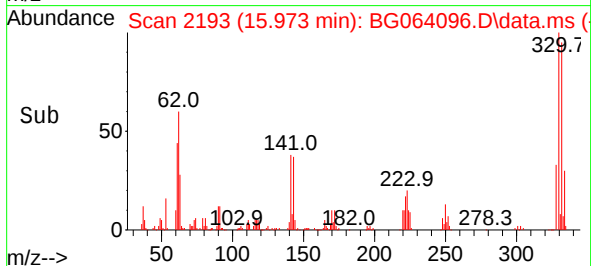
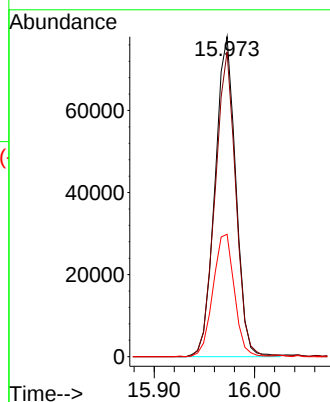
Tgt Ion:330 Resp: 112218

Ion Ratio Lower Upper

330 100

332 94.6 76.7 115.1

141 39.4 29.7 44.5



#45

2-Fluorobiphenyl

Concen: 57.612 ng

RT: 13.111 min Scan# 1706

Delta R.T. -0.006 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

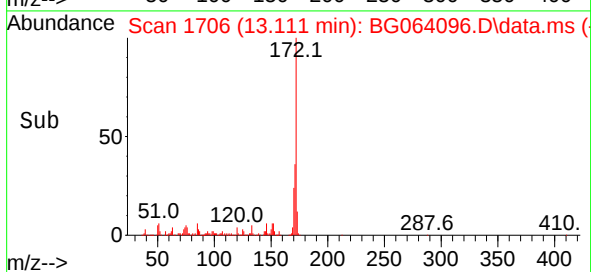
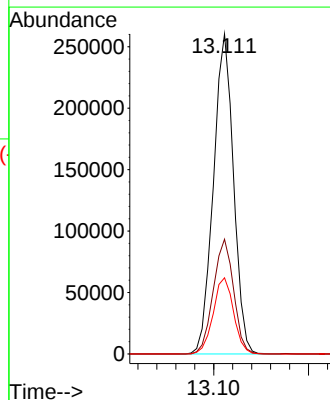
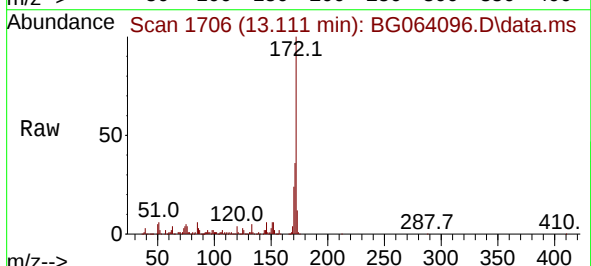
Tgt Ion:172 Resp: 382750

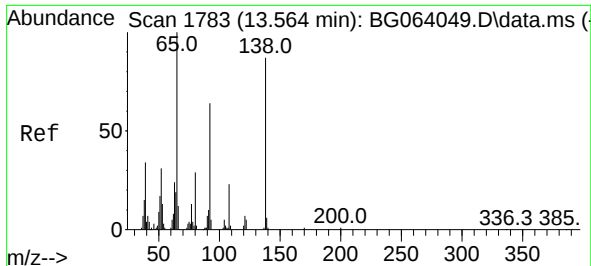
Ion Ratio Lower Upper

172 100

171 35.9 28.0 42.0

170 23.8 18.7 28.1





#48

2-Nitroaniline

Concen: 3.265 ng

RT: 13.622 min Scan# 1

Delta R.T. 0.058 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-19

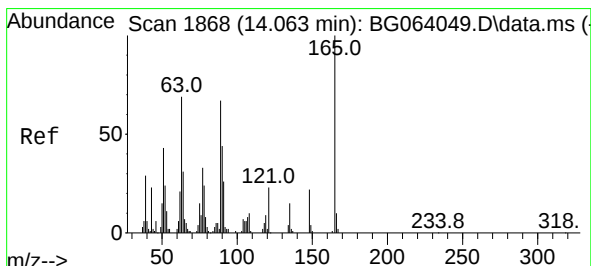
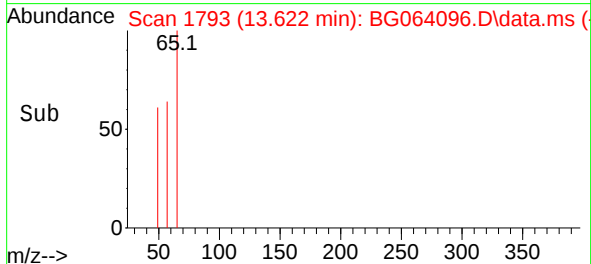
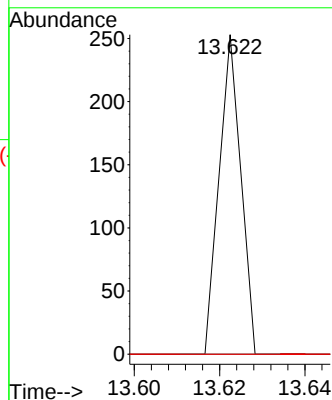
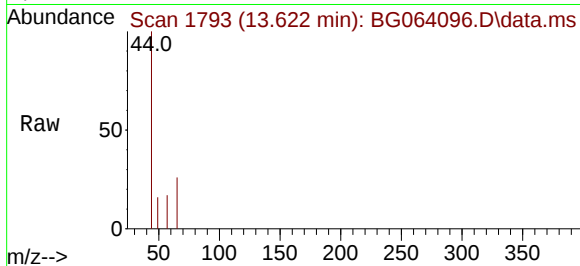
Tgt Ion: 65 Resp: 89

Ion Ratio Lower Upper

65 100

92 0.0 51.2 76.8#

138 0.0 69.4 104.2#



#51

2,6-Dinitrotoluene

Concen: 12.370 ng

RT: 14.486 min Scan# 1940

Delta R.T. 0.423 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

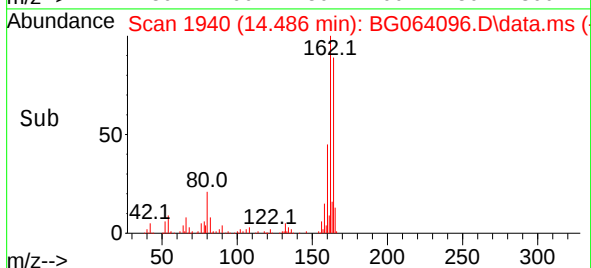
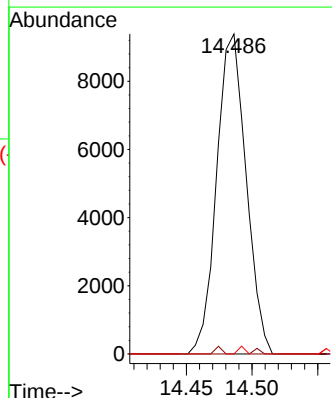
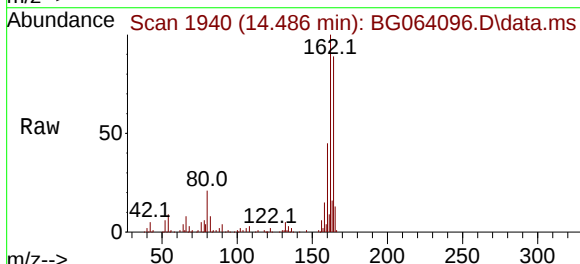
Tgt Ion:165 Resp: 14634

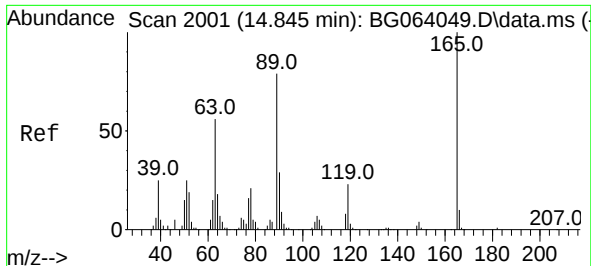
Ion Ratio Lower Upper

165 100

63 0.0 56.7 85.1#

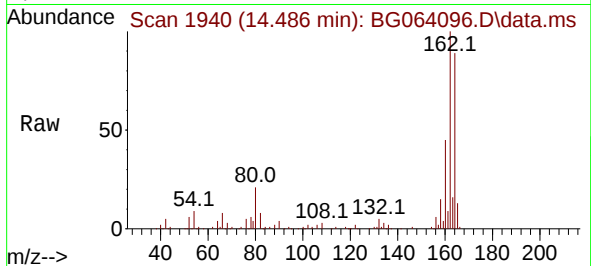
89 0.0 53.7 80.5#



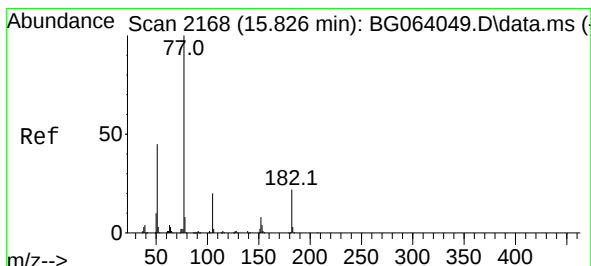
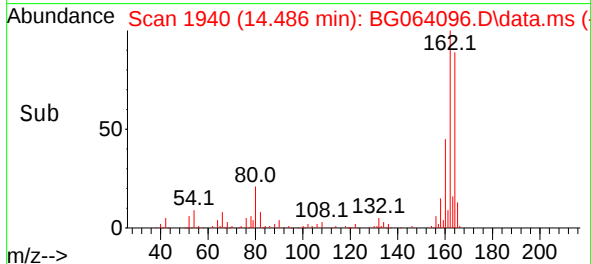
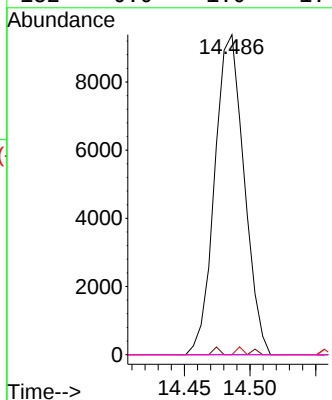


#57
2,4-Dinitrotoluene
Concen: 10.135 ng
RT: 14.486 min Scan# 11
Delta R.T. -0.359 min
Lab File: BG064096.D
Acq: 11 Mar 2025 15:16

Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-19

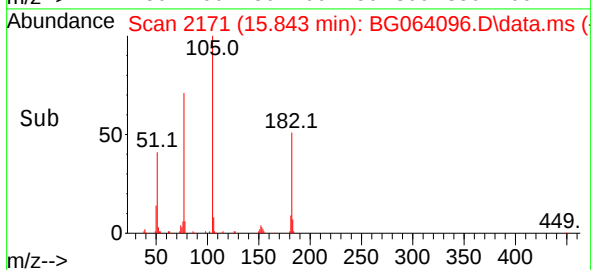
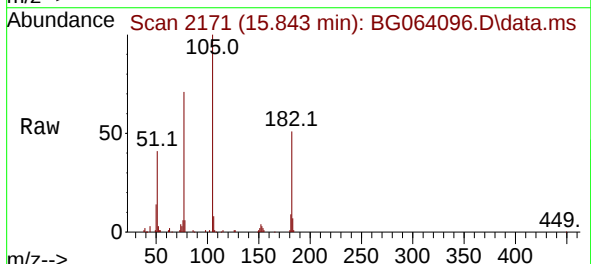
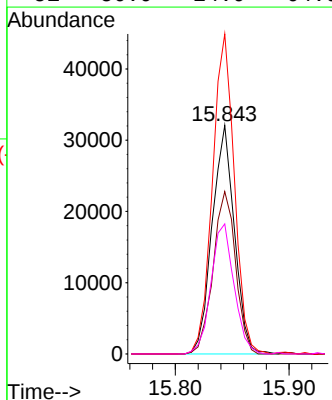


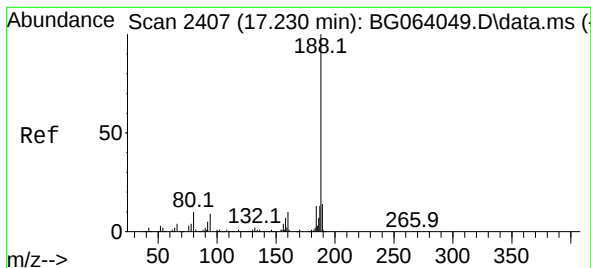
Tgt Ion:	165	Resp:	14634
Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.6#
89	0.0	63.1	94.7#
182	0.0	1.0	1.4#



#63
Azobenzene
Concen: 5.053 ng
RT: 15.843 min Scan# 2171
Delta R.T. 0.017 min
Lab File: BG064096.D
Acq: 11 Mar 2025 15:16

Tgt Ion:	77	Resp:	43574
Ion	Ratio	Lower	Upper
77	100		
182	71.0	2.4	42.4#
105	140.0	0.0	40.0#
51	56.9	24.9	64.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.224 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-19

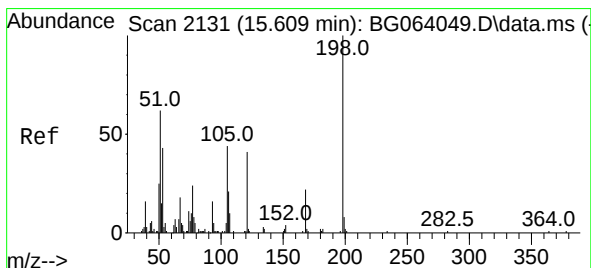
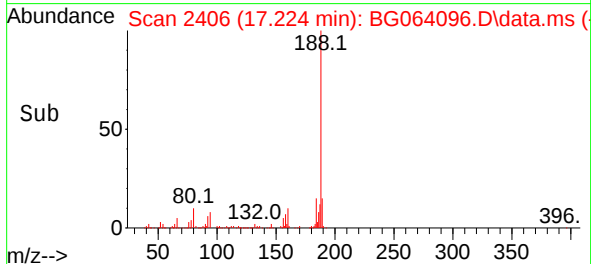
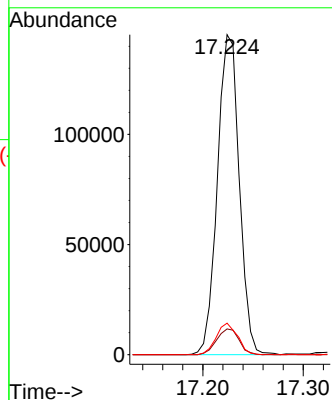
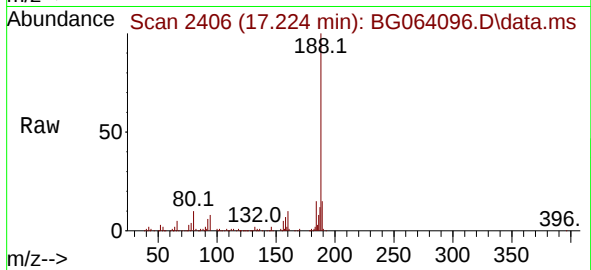
Tgt Ion:188 Resp: 219490

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

80 9.9 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 8.540 ng

RT: 15.967 min Scan# 2192

Delta R.T. 0.358 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

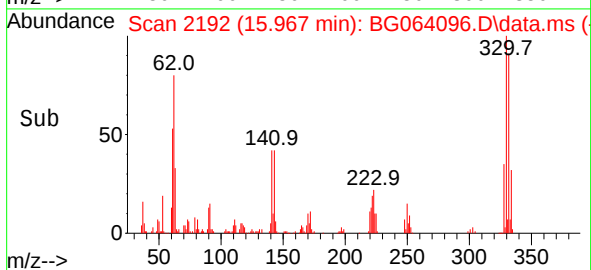
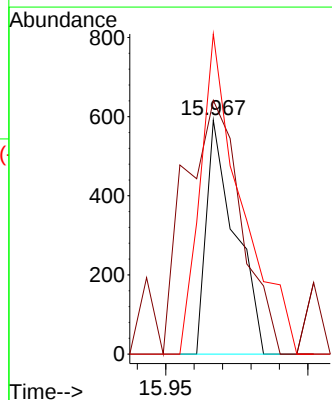
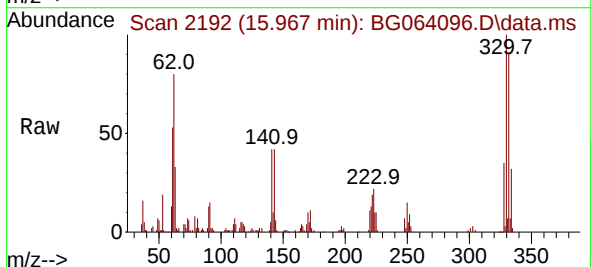
Tgt Ion:198 Resp: 413

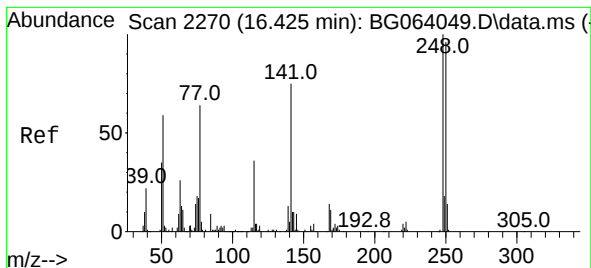
Ion Ratio Lower Upper

198 100

51 108.5 45.6 85.6#

105 136.9 25.3 65.3#

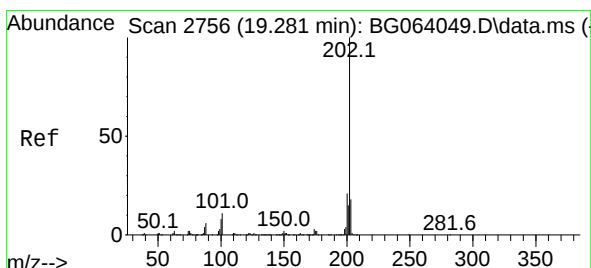
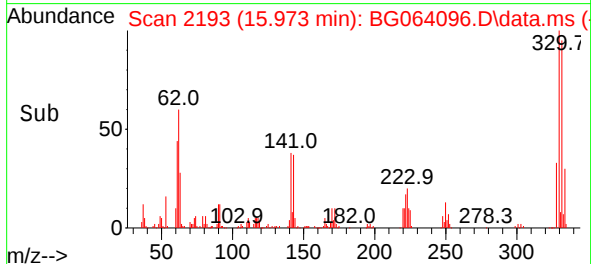
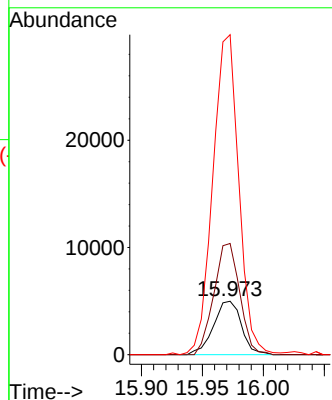
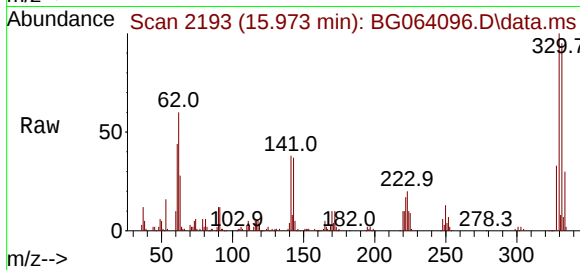




#67
4-Bromophenyl-phenylether
Concen: 3.540 ng
RT: 15.973 min Scan# 2193
Delta R.T. -0.453 min
Lab File: BG064096.D
Acq: 11 Mar 2025 15:16

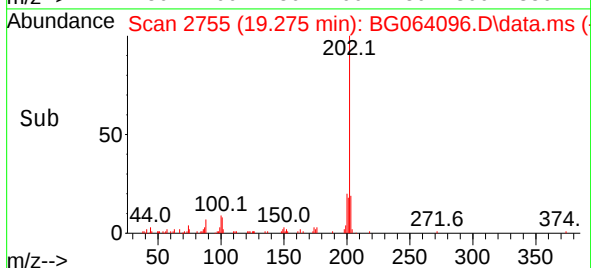
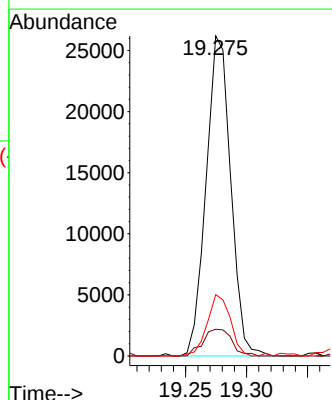
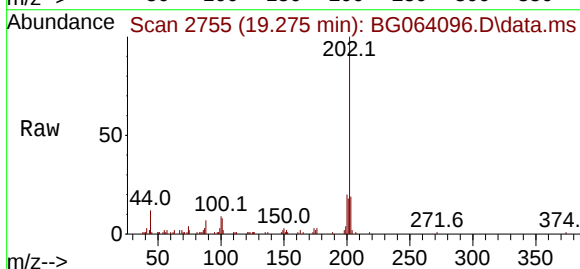
Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-19

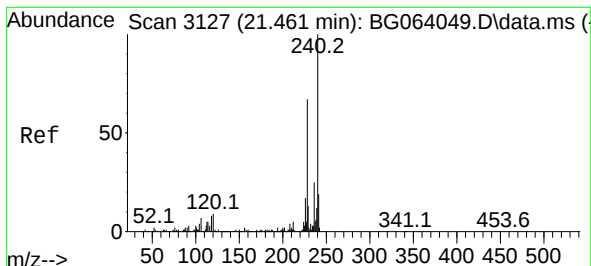
Tgt Ion:248 Resp: 7957
Ion Ratio Lower Upper
248 100
250 208.0 77.1 115.7#
141 598.5 59.8 89.8#



#75
Fluoranthene
Concen: 2.609 ng
RT: 19.275 min Scan# 2755
Delta R.T. -0.006 min
Lab File: BG064096.D
Acq: 11 Mar 2025 15:16

Tgt Ion:202 Resp: 36820
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.5
203 19.1 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.454 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-19

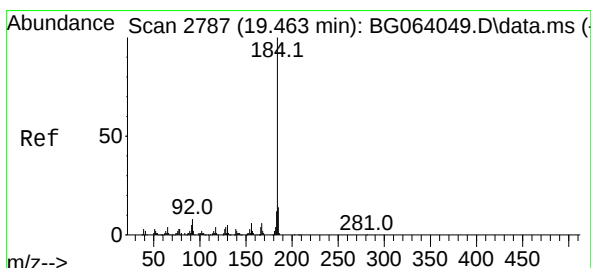
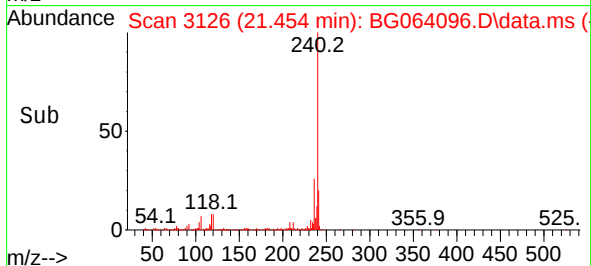
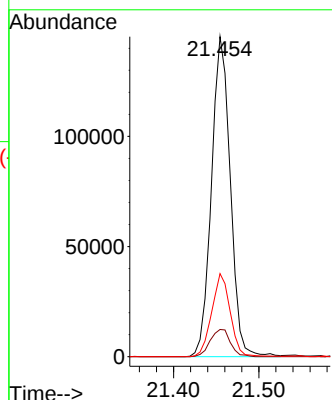
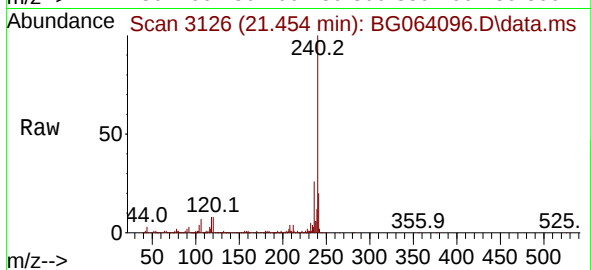
Tgt Ion:240 Resp: 223276

Ion Ratio Lower Upper

240 100

120 8.5 7.2 10.8

236 26.0 20.2 30.2



#77

Benzidine

Concen: 3.716 ng

RT: 19.845 min Scan# 2852

Delta R.T. 0.382 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

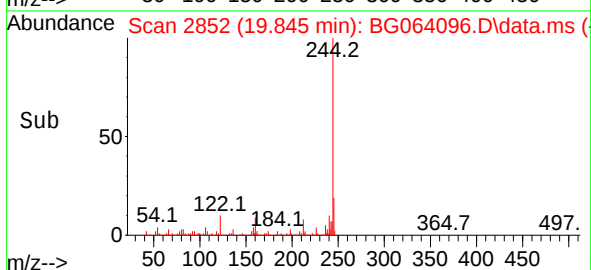
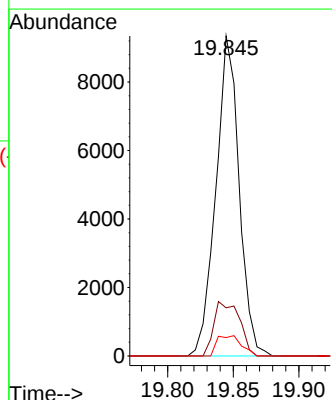
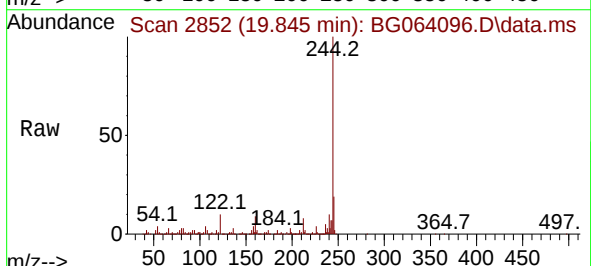
Tgt Ion:184 Resp: 11490

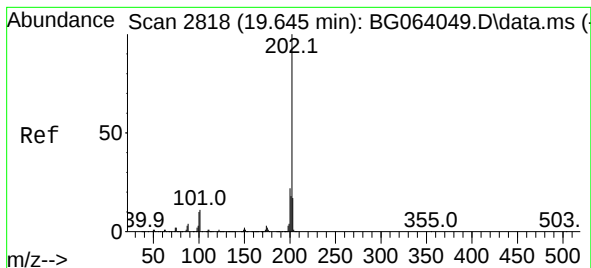
Ion Ratio Lower Upper

184 100

185 15.1 11.3 16.9

183 5.7 9.5 14.3#





#78

Pyrene

Concen: 2.272 ng

RT: 19.639 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-19

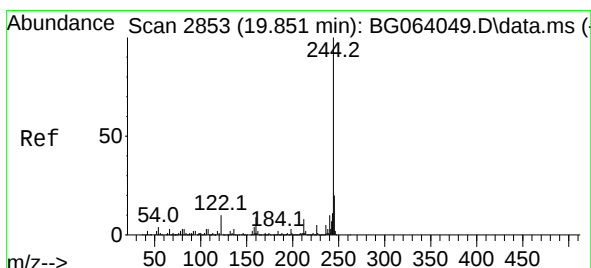
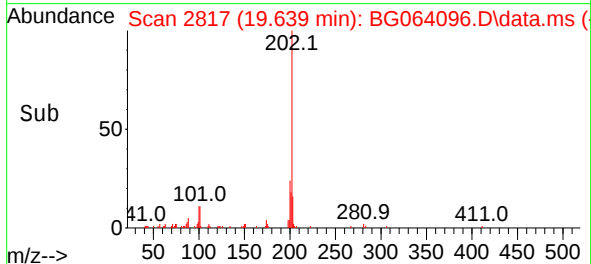
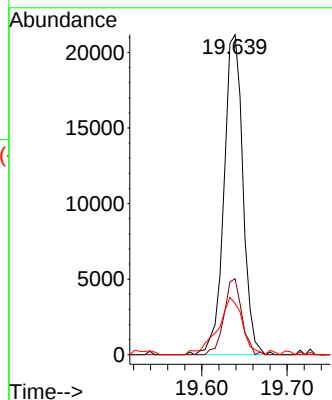
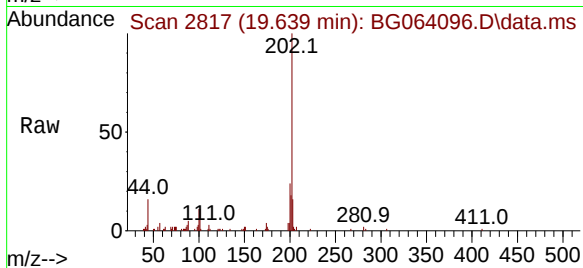
Tgt Ion:202 Resp: 32700

Ion Ratio Lower Upper

202 100

200 23.7 17.3 25.9

203 16.0 13.6 20.4



#79

Terphenyl-d14

Concen: 56.709 ng

RT: 19.845 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

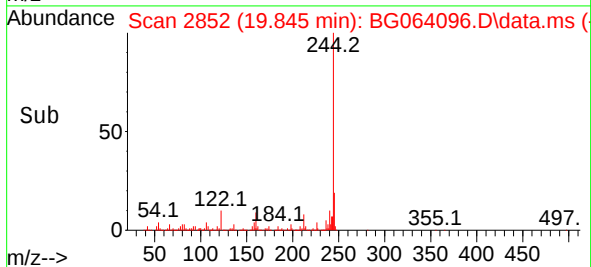
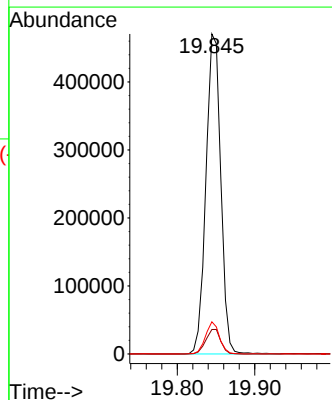
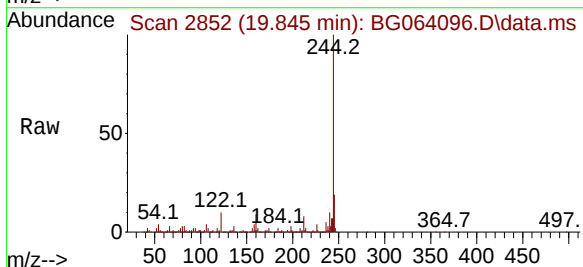
Tgt Ion:244 Resp: 626200

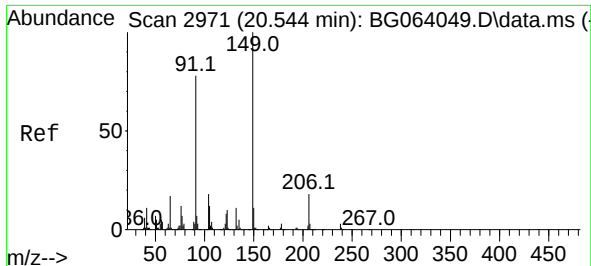
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.4

122 10.1 8.0 12.0





#80

Butylbenzylphthalate

Concen: 3.662 ng

RT: 20.538 min Scan# 20

Delta R.T. -0.006 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

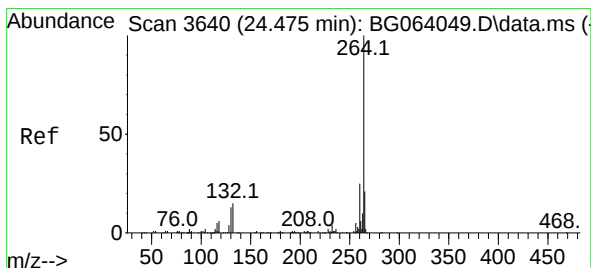
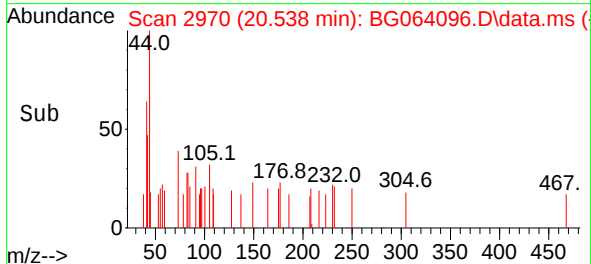
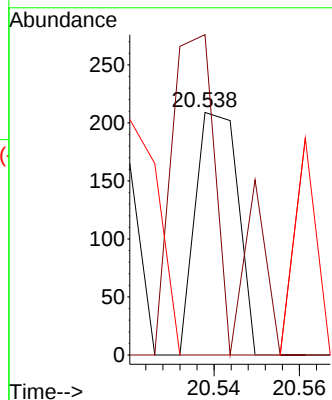
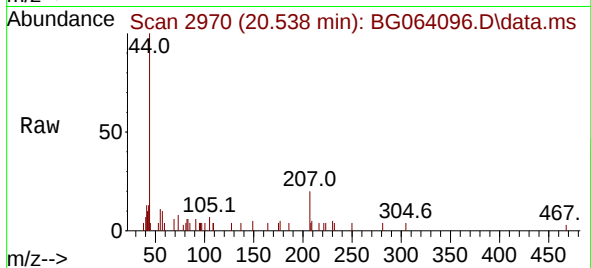
Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-19

Tgt Ion:149	Resp:	145
Ion Ratio	Lower	Upper
149	100	
91	132.1	62.0 93.0#
206	0.0	14.6 21.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.469 min Scan# 3639

Delta R.T. -0.006 min

Lab File: BG064096.D

Acq: 11 Mar 2025 15:16

Tgt Ion:264	Resp:	240901
Ion Ratio	Lower	Upper
264	100	
260	24.0	19.6 29.4
265	21.6	16.6 25.0

