

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
 Data File : BG064343.D
 Acq On : 10 Sep 2025 22:13
 Operator : RC/JU
 Sample : Q3056-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-090925

Quant Time: Sep 11 01:20:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

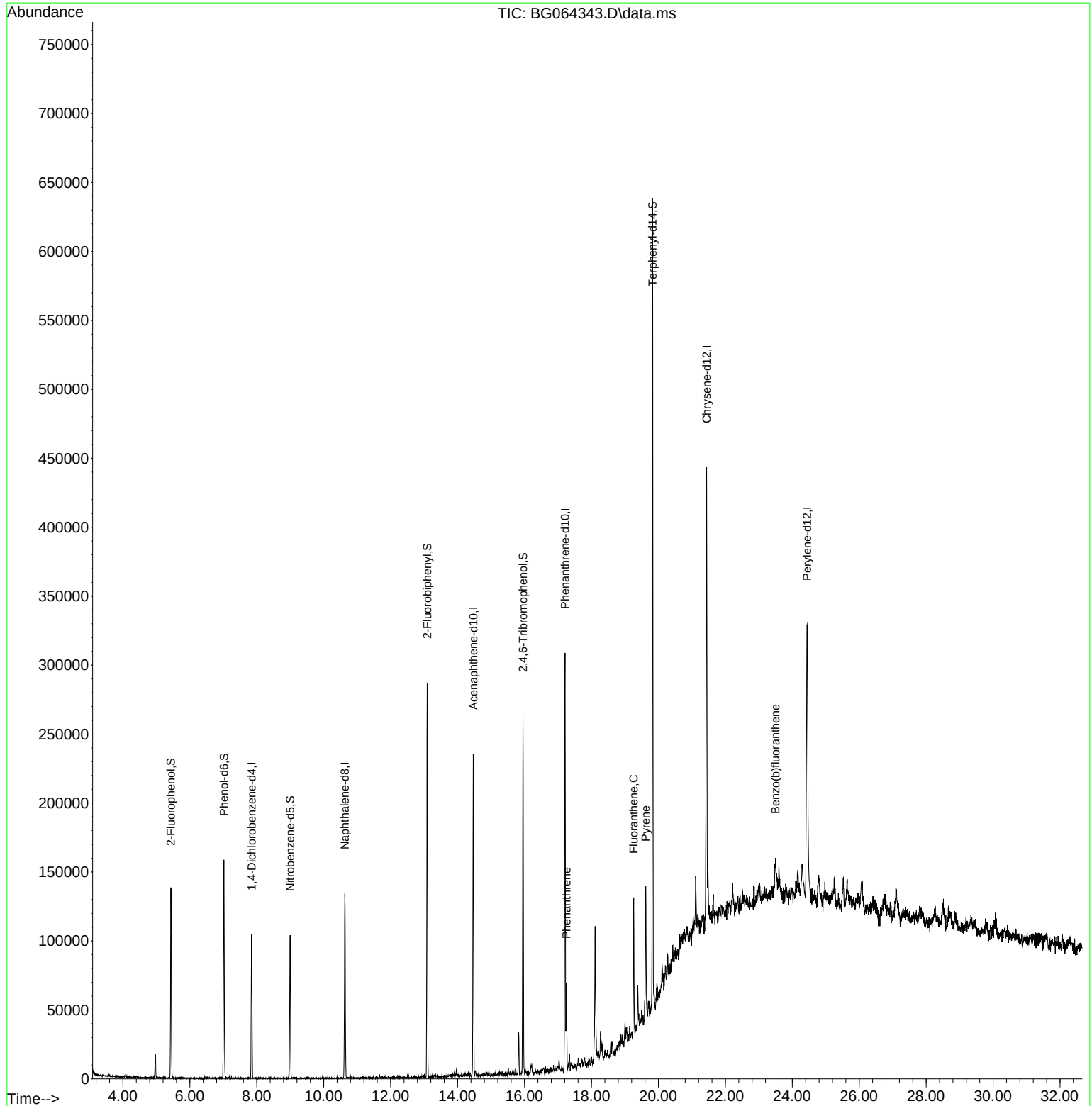
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	25560	20.000	ng	-0.01
21) Naphthalene-d8	10.631	136	104479	20.000	ng	#-0.02
39) Acenaphthene-d10	14.468	164	76839	20.000	ng	-0.01
64) Phenanthrene-d10	17.212	188	173584	20.000	ng	#-0.01
76) Chrysene-d12	21.442	240	193505	20.000	ng	#-0.01
86) Perylene-d12	24.445	264	214732	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.431	112	50396	35.374	ng	-0.01
7) Phenol-d6	7.018	99	71916	36.743	ng	-0.01
23) Nitrobenzene-d5	8.998	82	51954	27.733	ng	-0.02
42) 2,4,6-Tribromophenol	15.954	330	47270	46.445	ng	-0.02
45) 2-Fluorobiphenyl	13.093	172	132891	26.398	ng	-0.02
79) Terphenyl-d14	19.826	244	256610	27.667	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	17.253	178	38669	4.224	ng	# 93
75) Fluoranthene	19.262	202	57341	5.327	ng	95
78) Pyrene	19.621	202	58859	4.828	ng	98
88) Benzo(b)fluoranthene	23.499	252	27047	2.232	ng	92

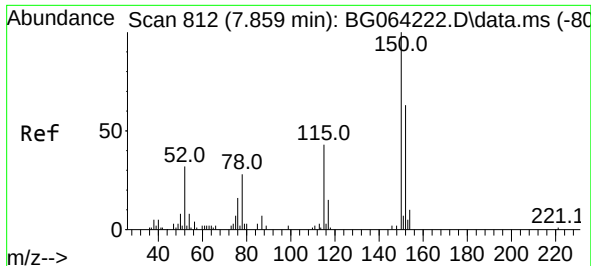
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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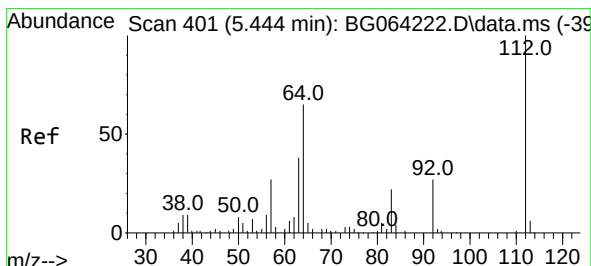
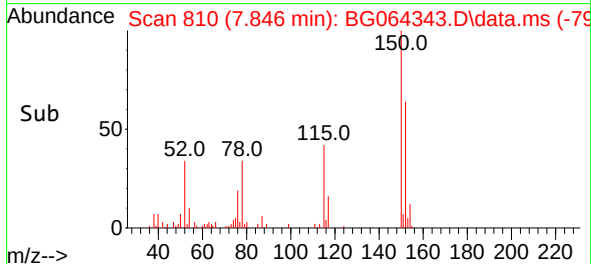
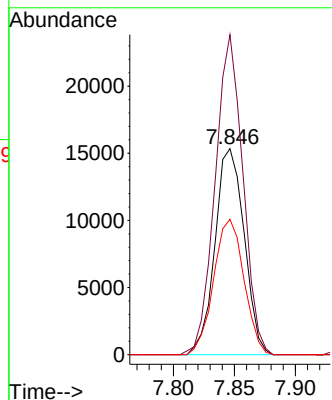
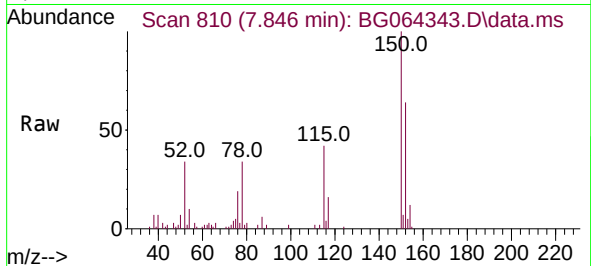




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG064343.D
Acq: 10 Sep 2025 22:13

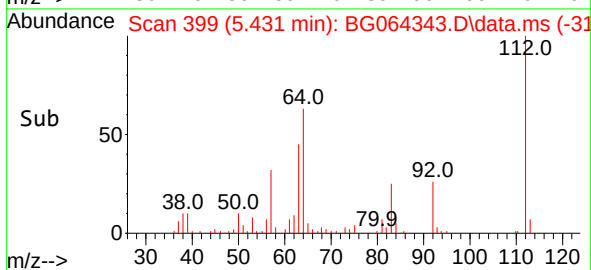
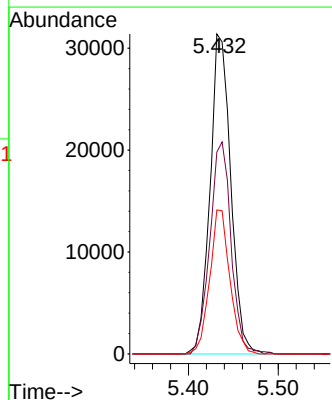
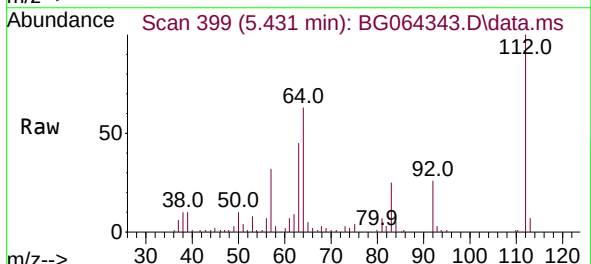
Instrument :
BNA_G
ClientSampleId :
OK-02-090925

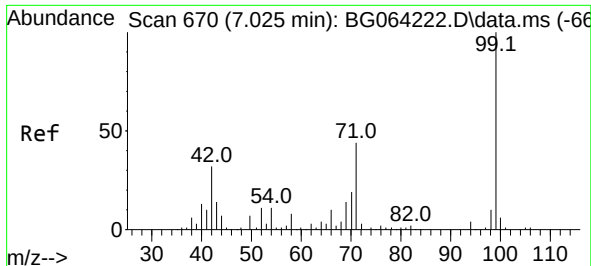
Tgt Ion:152 Resp: 25560
Ion Ratio Lower Upper
152 100
150 155.4 128.0 192.0
115 65.7 55.7 83.5



#5
2-Fluorophenol
Concen: 35.374 ng
RT: 5.431 min Scan# 399
Delta R.T. -0.013 min
Lab File: BG064343.D
Acq: 10 Sep 2025 22:13

Tgt Ion:112 Resp: 50396
Ion Ratio Lower Upper
112 100
64 63.1 51.8 77.6
63 45.0 30.6 45.8

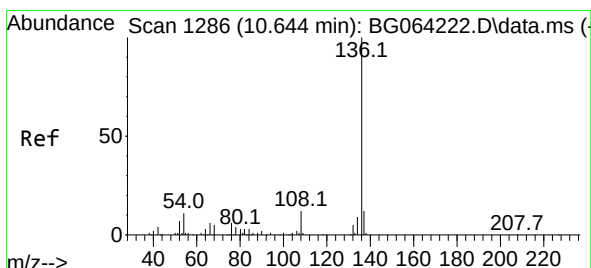
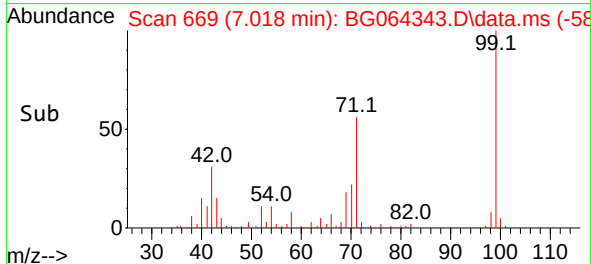
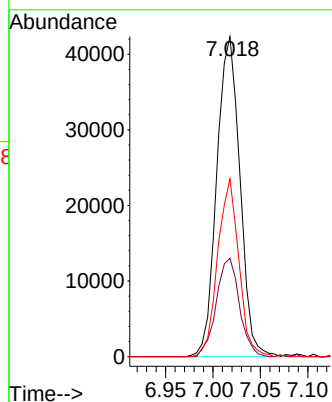
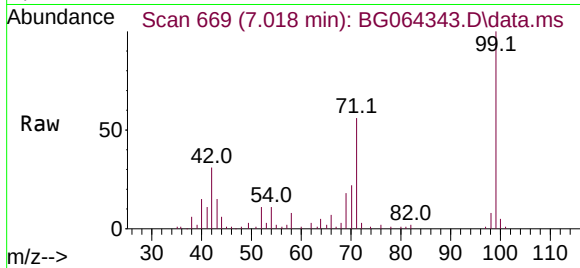




#7
Phenol-d6
Concen: 36.743 ng
RT: 7.018 min Scan# 60
Delta R.T. -0.013 min
Lab File: BG064343.D
Acq: 10 Sep 2025 22:13

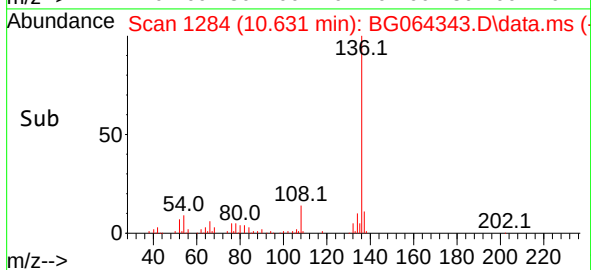
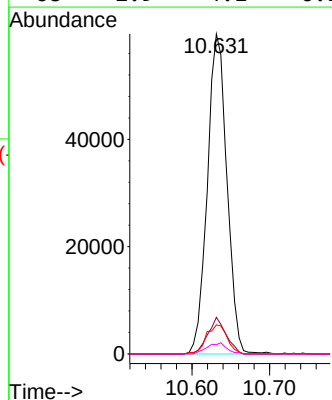
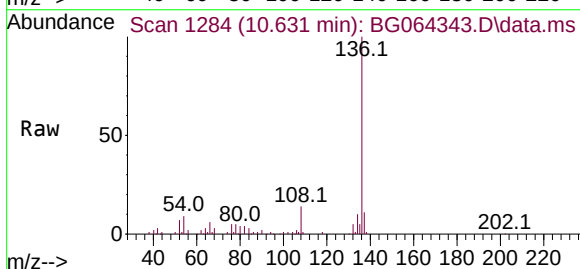
Instrument :
BNA_G
ClientSampleId :
OK-02-090925

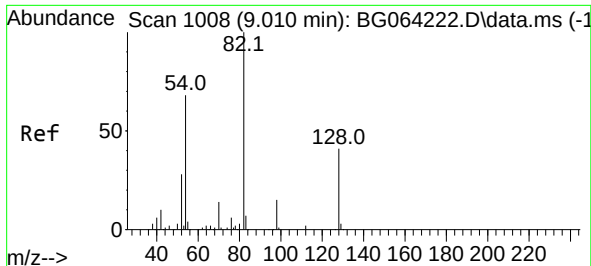
Tgt Ion: 99 Resp: 71916
Ion Ratio Lower Upper
99 100
42 30.7 25.8 38.8
71 55.5 35.2 52.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.631 min Scan# 1284
Delta R.T. -0.019 min
Lab File: BG064343.D
Acq: 10 Sep 2025 22:13

Tgt Ion:136 Resp: 104479
Ion Ratio Lower Upper
136 100
137 11.4 9.6 14.4
54 9.1 8.8 13.2
68 2.9 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 27.733 ng

RT: 8.998 min Scan# 1006

Delta R.T. -0.019 min

Lab File: BG064343.D

Acq: 10 Sep 2025 22:13

Instrument :

BNA_G

ClientSampleId :

OK-02-090925

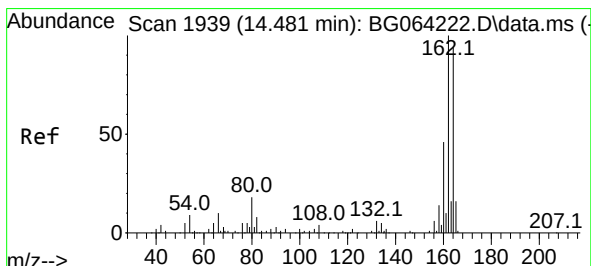
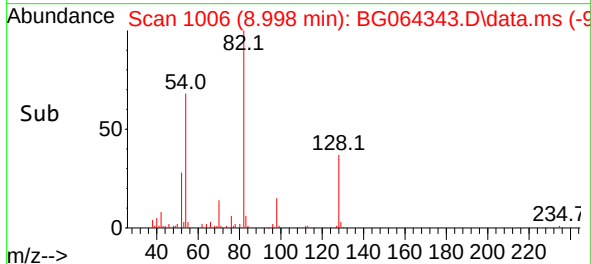
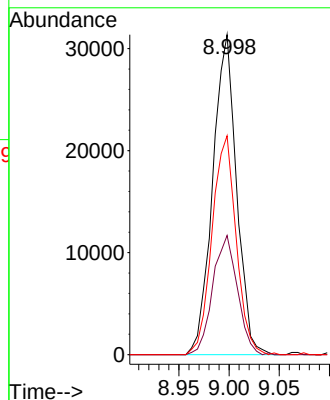
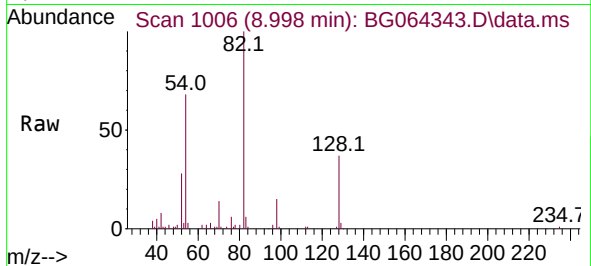
Tgt Ion: 82 Resp: 51954

Ion Ratio Lower Upper

82 100

128 37.2 32.6 48.8

54 68.4 54.7 82.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.468 min Scan# 1937

Delta R.T. -0.013 min

Lab File: BG064343.D

Acq: 10 Sep 2025 22:13

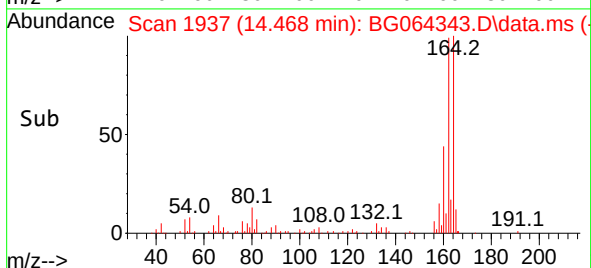
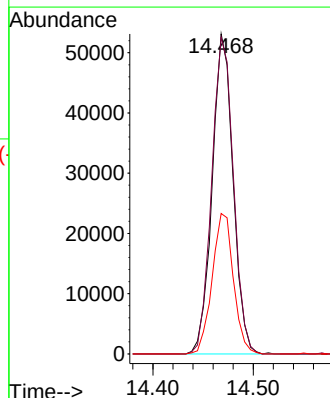
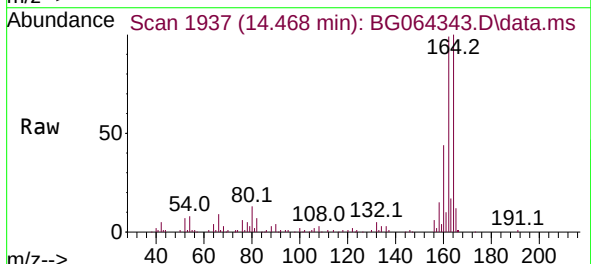
Tgt Ion: 164 Resp: 76839

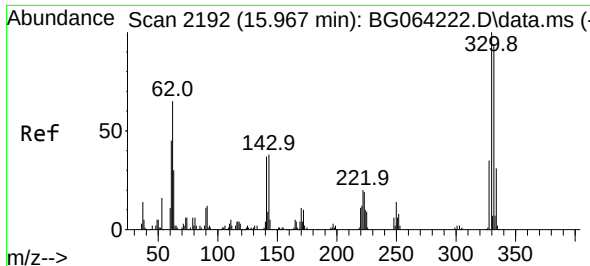
Ion Ratio Lower Upper

164 100

162 98.9 85.4 128.0

160 43.9 39.2 58.8

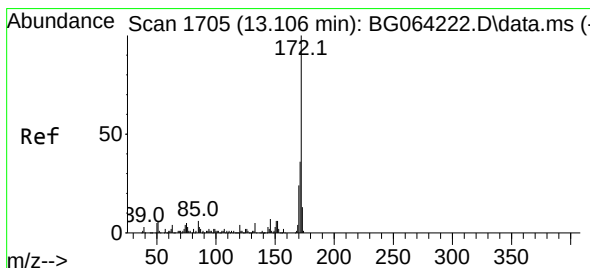
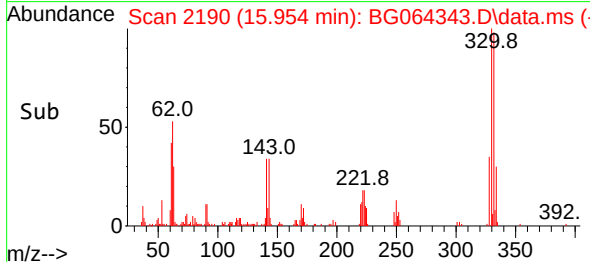
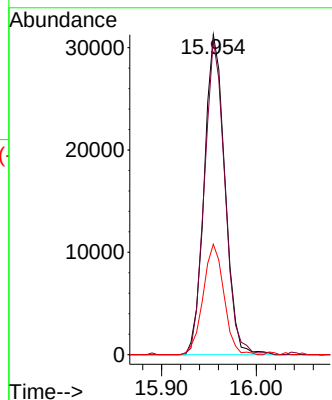
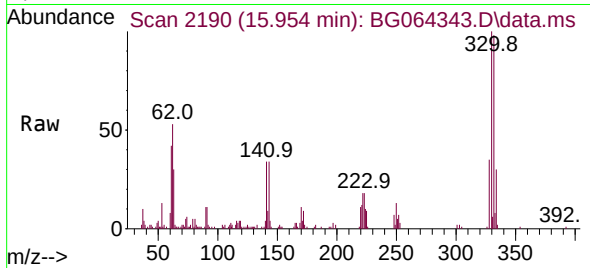




#42
2,4,6-Tribromophenol
Concen: 46.445 ng
RT: 15.954 min Scan# 2190
Delta R.T. -0.019 min
Lab File: BG064343.D
Acq: 10 Sep 2025 22:13

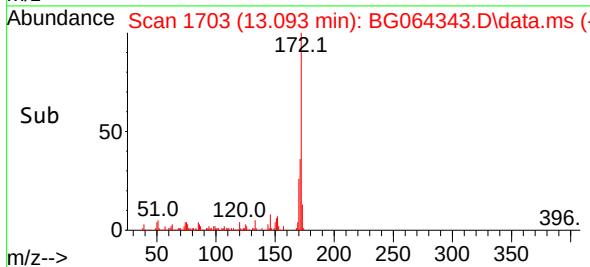
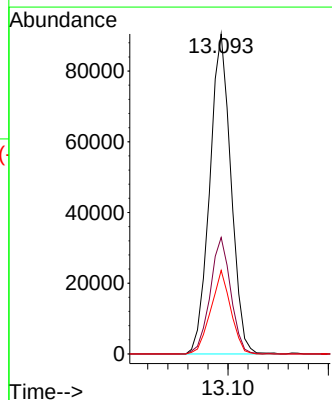
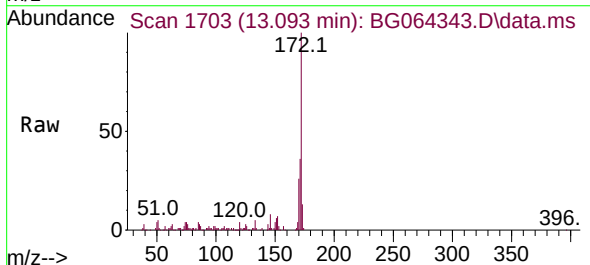
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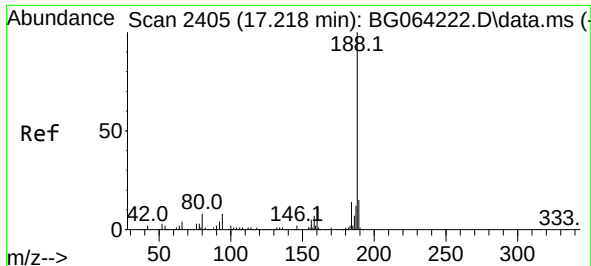
Tgt Ion:330 Resp: 47270
Ion Ratio Lower Upper
330 100
332 97.2 77.6 116.4
141 34.7 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 26.398 ng
RT: 13.093 min Scan# 1703
Delta R.T. -0.019 min
Lab File: BG064343.D
Acq: 10 Sep 2025 22:13

Tgt Ion:172 Resp: 132891
Ion Ratio Lower Upper
172 100
171 36.4 28.7 43.1
170 26.1 19.0 28.6

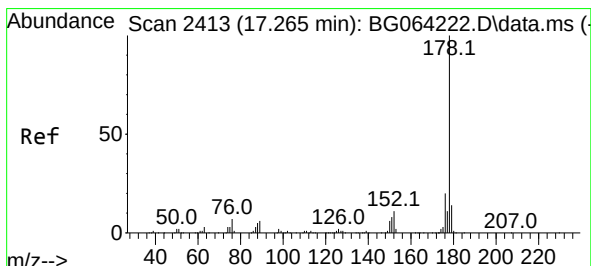
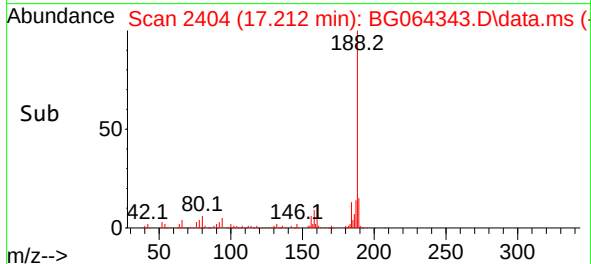
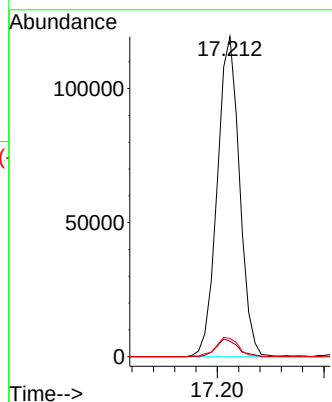
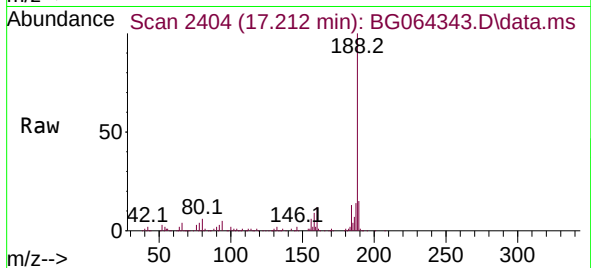




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.212 min Scan# 2404
Delta R.T. -0.013 min
Lab File: BG064343.D
Acq: 10 Sep 2025 22:13

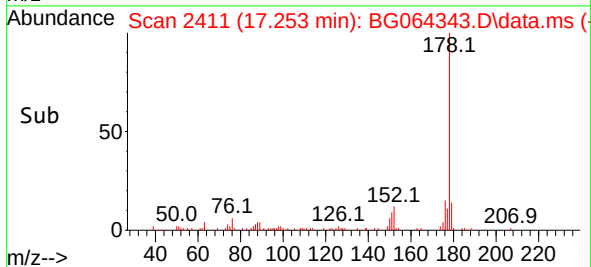
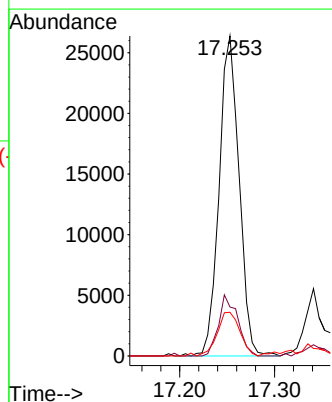
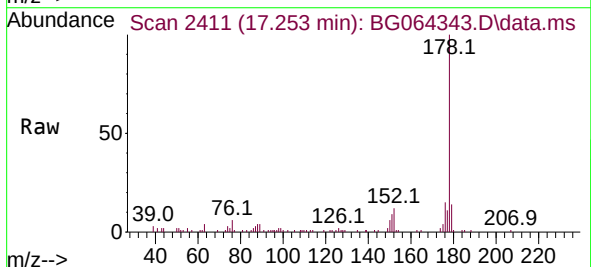
Instrument :
BNA_G
ClientSampleId :
OK-02-090925

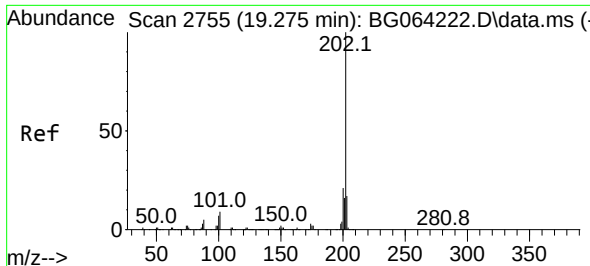
Tgt Ion:188 Resp: 173584
Ion Ratio Lower Upper
188 100
94 4.8 6.2 9.4#
80 5.7 6.8 10.2#



#71
Phenanthrene
Concen: 4.224 ng
RT: 17.253 min Scan# 2411
Delta R.T. -0.013 min
Lab File: BG064343.D
Acq: 10 Sep 2025 22:13

Tgt Ion:178 Resp: 38669
Ion Ratio Lower Upper
178 100
176 15.3 15.9 23.9#
179 13.6 11.4 17.2

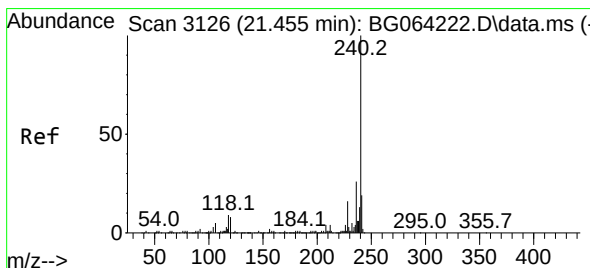
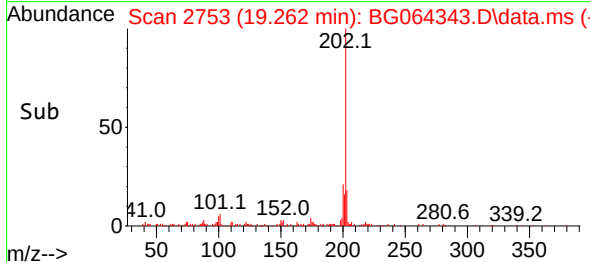
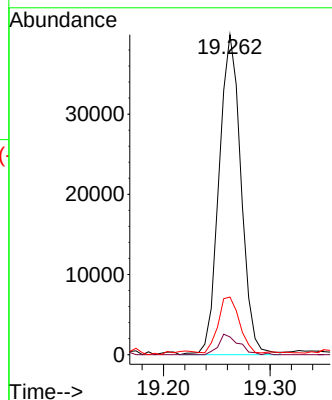
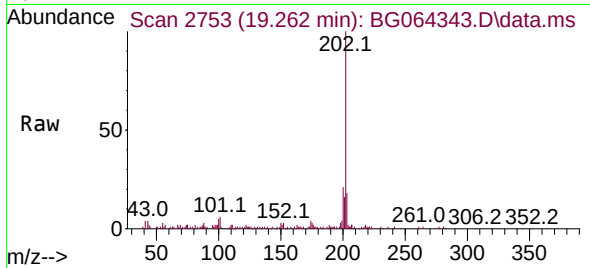




#75
Fluoranthene
Concen: 5.327 ng
RT: 19.262 min Scan# 21
Delta R.T. -0.013 min
Lab File: BG064343.D
Acq: 10 Sep 2025 22:13

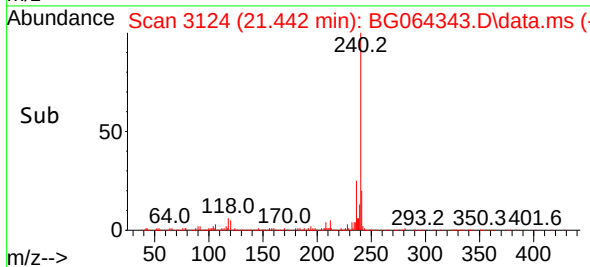
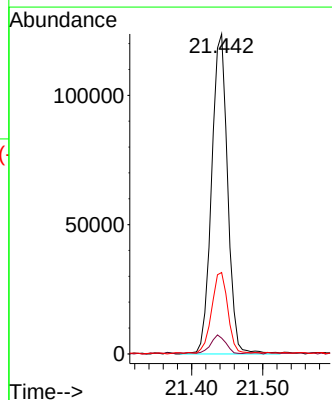
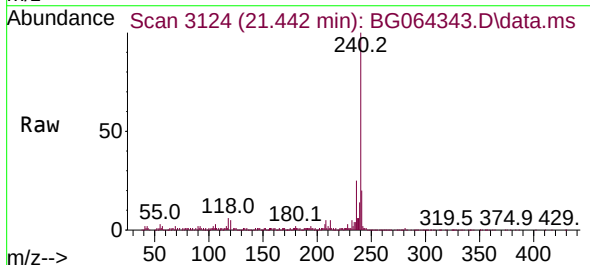
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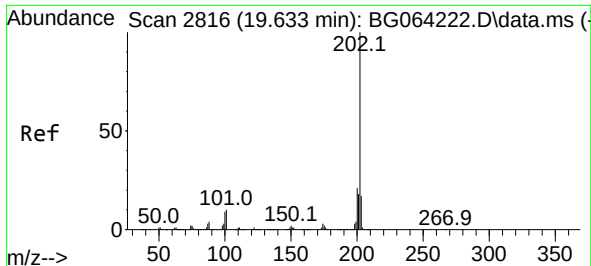
Tgt Ion:202 Resp: 57341
Ion Ratio Lower Upper
202 100
101 5.5 0.0 28.7
203 18.0 0.0 36.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.442 min Scan# 3124
Delta R.T. -0.013 min
Lab File: BG064343.D
Acq: 10 Sep 2025 22:13

Tgt Ion:240 Resp: 193505
Ion Ratio Lower Upper
240 100
120 4.9 6.2 9.4#
236 25.4 20.5 30.7

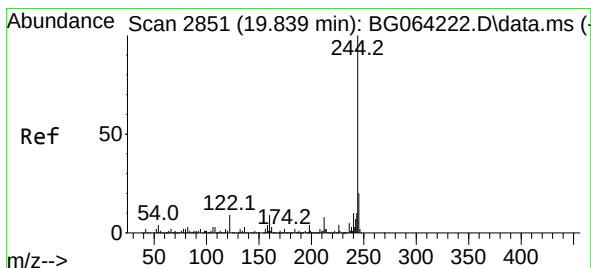
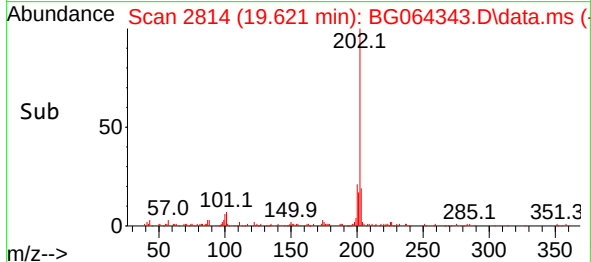
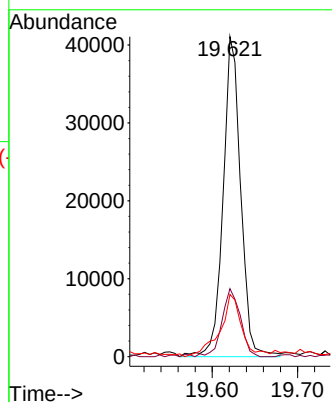
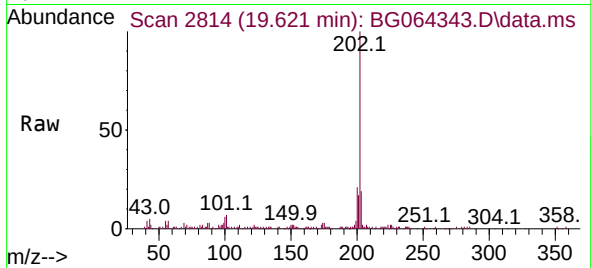




#78
 Pyrene
 Concen: 4.828 ng
 RT: 19.621 min Scan# 2814
 Delta R.T. -0.019 min
 Lab File: BG064343.D
 Acq: 10 Sep 2025 22:13

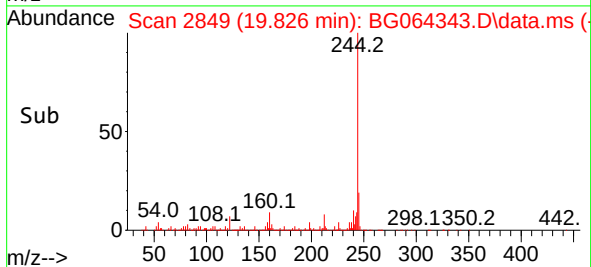
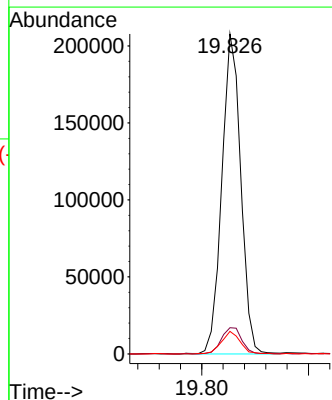
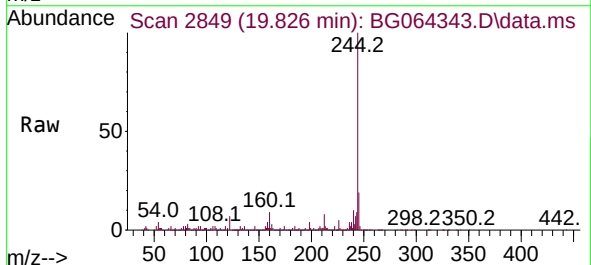
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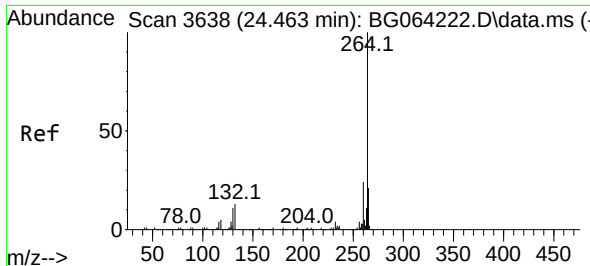
Tgt Ion:202	Resp:	58859
Ion Ratio	Lower	Upper
202	100	
200	21.2	16.9 25.3
203	19.4	13.8 20.8



#79
 Terphenyl-d14
 Concen: 27.667 ng
 RT: 19.826 min Scan# 2849
 Delta R.T. -0.019 min
 Lab File: BG064343.D
 Acq: 10 Sep 2025 22:13

Tgt Ion:244	Resp:	256610
Ion Ratio	Lower	Upper
244	100	
212	8.2	6.6 10.0
122	7.1	7.0 10.6



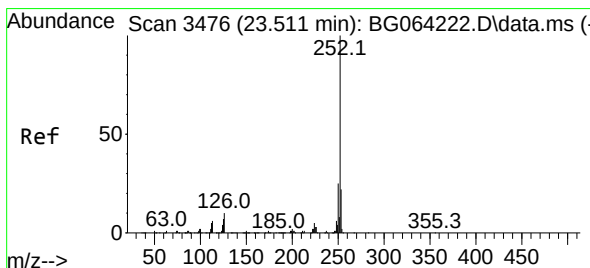
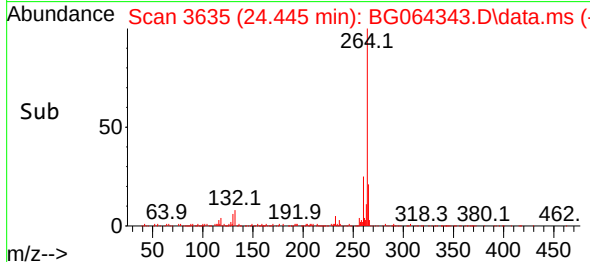
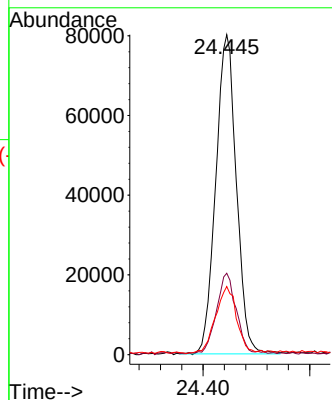
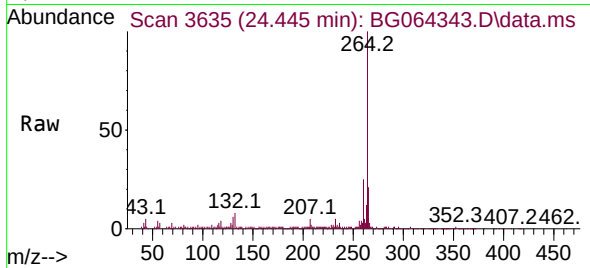


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.445 min Scan# 3635
 Delta R.T. -0.019 min
 Lab File: BG064343.D
 Acq: 10 Sep 2025 22:13

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-090925

Tgt Ion:264 Resp: 214732

Ion	Ratio	Lower	Upper
264	100		
260	25.4	18.9	28.3
265	21.3	16.7	25.1



#88
 Benzo(b)fluoranthene
 Concen: 2.232 ng
 RT: 23.499 min Scan# 3474
 Delta R.T. -0.019 min
 Lab File: BG064343.D
 Acq: 10 Sep 2025 22:13

Tgt Ion:252 Resp: 27047

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.5	26.3
125	8.8	5.9	8.9

