

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
 Data File : BG064340.D
 Acq On : 10 Sep 2025 20:10
 Operator : RC/JU
 Sample : Q3046-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IRV-CONCRETE

Quant Time: Sep 11 01:19:02 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	7.848	152	20197	20.000	ng	-0.01
21) Naphthalene-d8	10.627	136	87038	20.000	ng	#-0.02
39) Acenaphthene-d10	14.470	164	63800	20.000	ng	-0.01
64) Phenanthrene-d10	17.208	188	154874	20.000	ng	#-0.02
76) Chrysene-d12	21.438	240	179899	20.000	ng	#-0.02
86) Perylene-d12	24.440	264	199559	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.433	112	27031	24.012	ng	-0.01
7) Phenol-d6	7.014	99	50453	32.622	ng	-0.02
23) Nitrobenzene-d5	8.994	82	42739	27.385	ng	-0.02
42) 2,4,6-Tribromophenol	15.956	330	19156	22.668	ng	-0.02
45) 2-Fluorobiphenyl	13.089	172	116062	27.767	ng	-0.02
79) Terphenyl-d14	19.828	244	257186	29.827	ng	-0.02

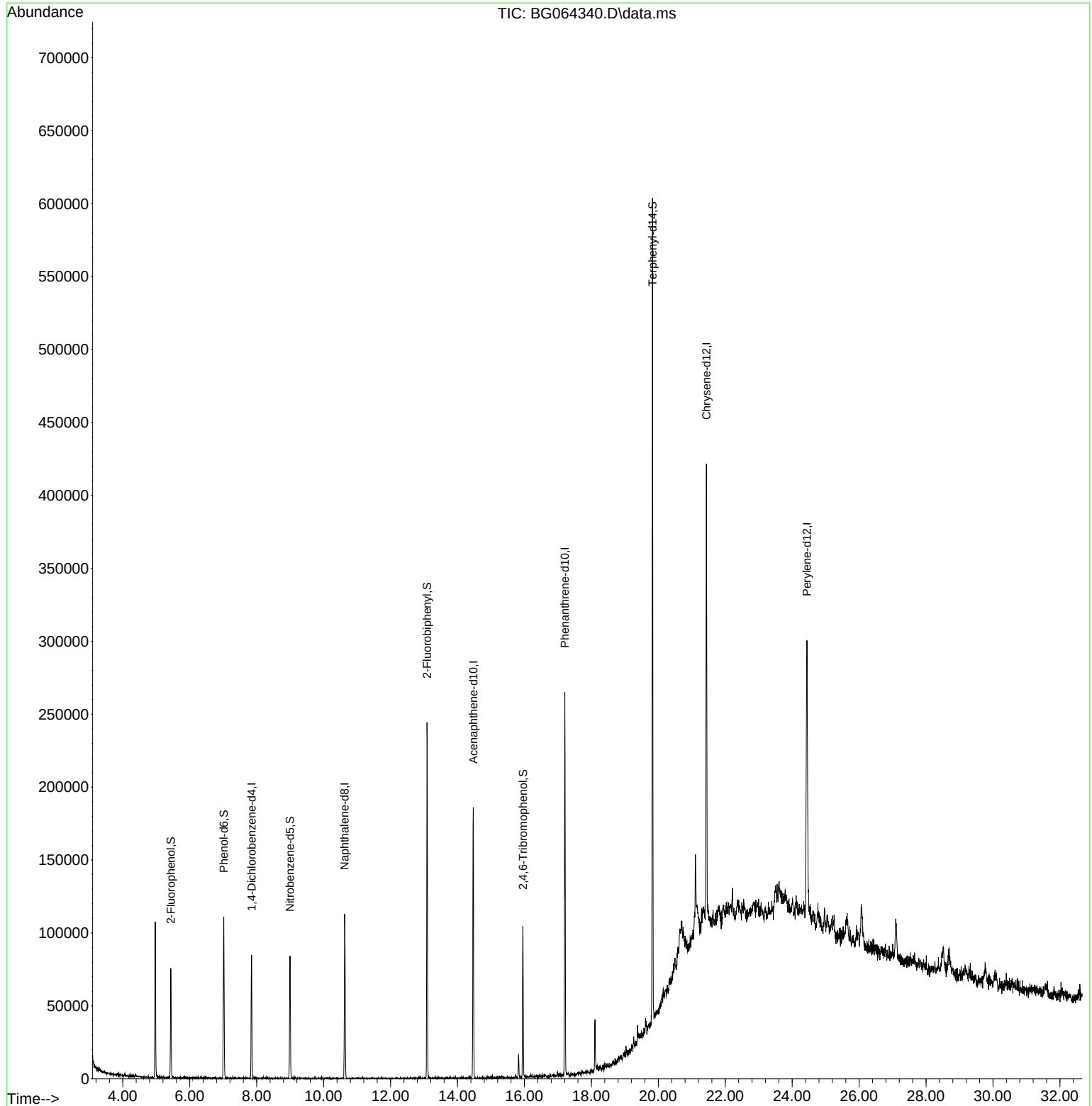
Target Compounds	Qvalue

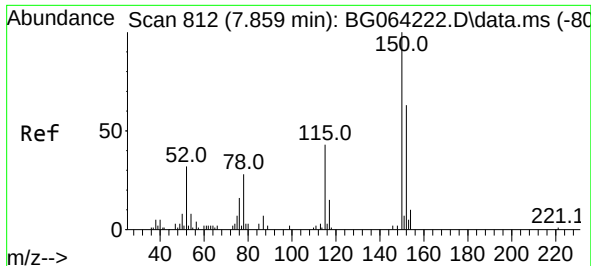
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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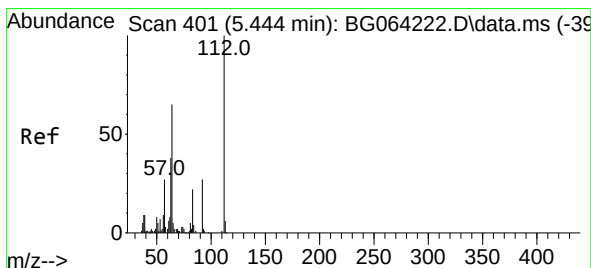
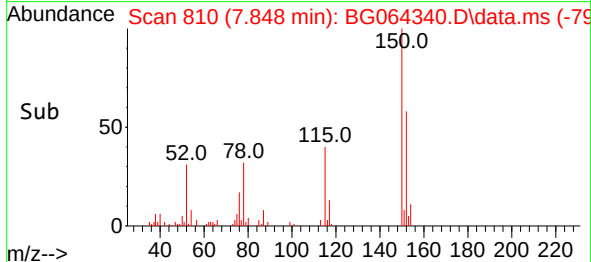
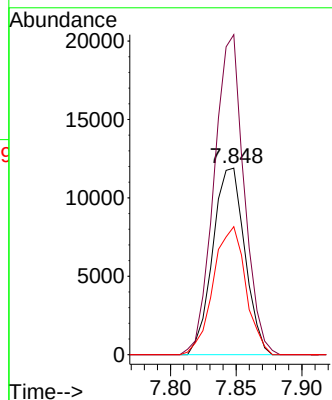
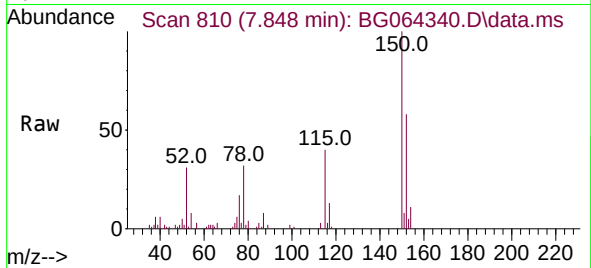




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.848 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG064340.D
Acq: 10 Sep 2025 20:10

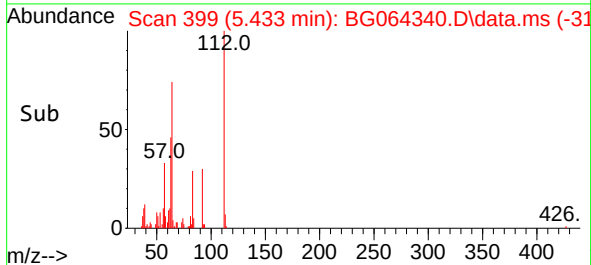
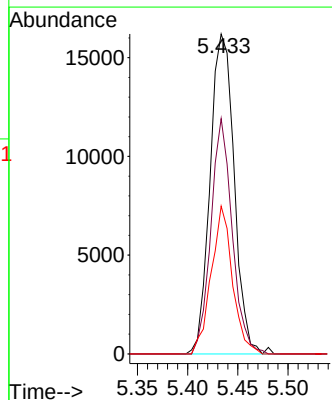
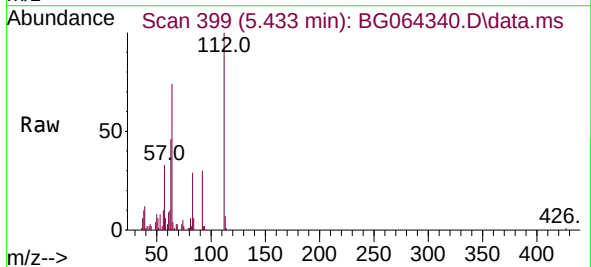
Instrument :
BNA_G
ClientSampleId :
IRV-CONCRETE

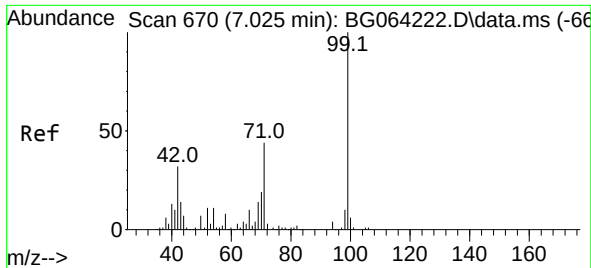
Tgt Ion:152 Resp: 20197
Ion Ratio Lower Upper
152 100
150 171.5 128.0 192.0
115 68.6 55.7 83.5



#5
2-Fluorophenol
Concen: 24.012 ng
RT: 5.433 min Scan# 399
Delta R.T. -0.011 min
Lab File: BG064340.D
Acq: 10 Sep 2025 20:10

Tgt Ion:112 Resp: 27031
Ion Ratio Lower Upper
112 100
64 73.5 51.8 77.6
63 46.2 30.6 45.8#

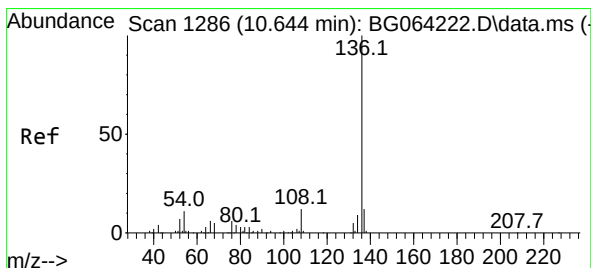
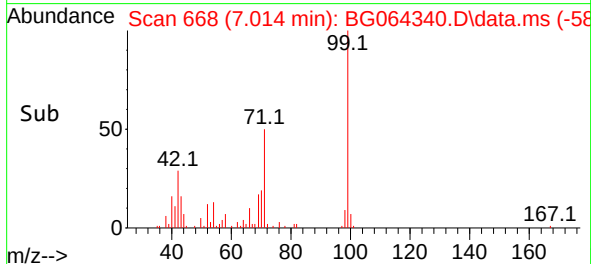
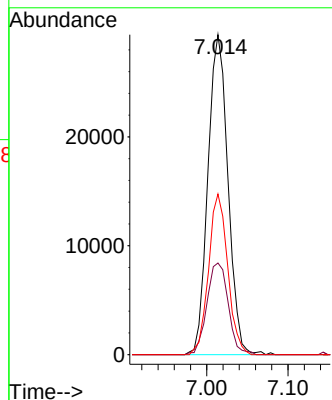
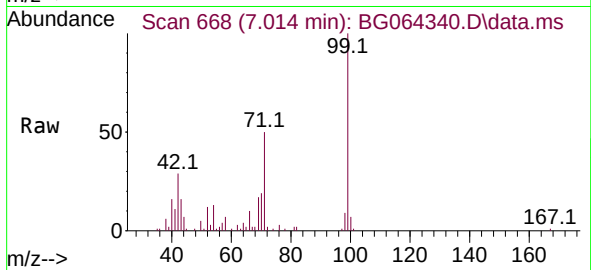




#7
Phenol-d6
Concen: 32.622 ng
RT: 7.014 min Scan# 60
Delta R.T. -0.017 min
Lab File: BG064340.D
Acq: 10 Sep 2025 20:10

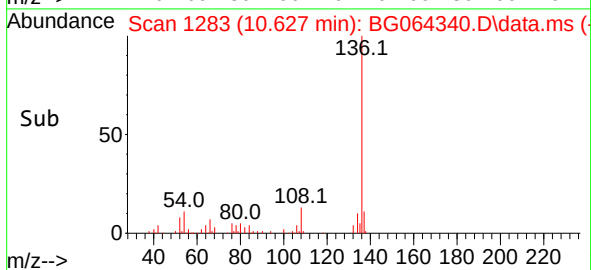
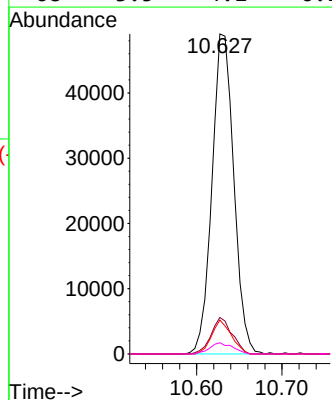
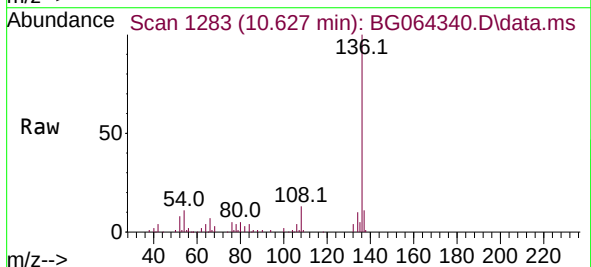
Instrument :
BNA_G
ClientSampleId :
IRV-CONCRETE

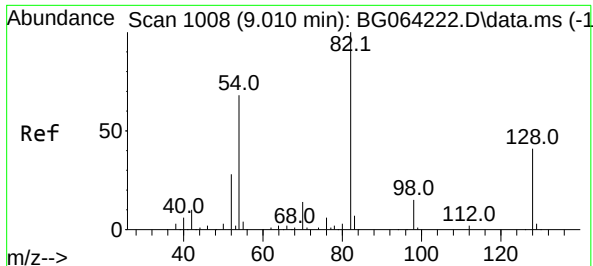
Tgt Ion: 99 Resp: 50453
Ion Ratio Lower Upper
99 100
42 28.7 25.8 38.8
71 50.2 35.2 52.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.627 min Scan# 1283
Delta R.T. -0.023 min
Lab File: BG064340.D
Acq: 10 Sep 2025 20:10

Tgt Ion: 136 Resp: 87038
Ion Ratio Lower Upper
136 100
137 11.4 9.6 14.4
54 10.6 8.8 13.2
68 3.5 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 27.385 ng

RT: 8.994 min Scan# 1005

Delta R.T. -0.023 min

Lab File: BG064340.D

Acq: 10 Sep 2025 20:10

Instrument :

BNA_G

ClientSampleId :

IRV-CONCRETE

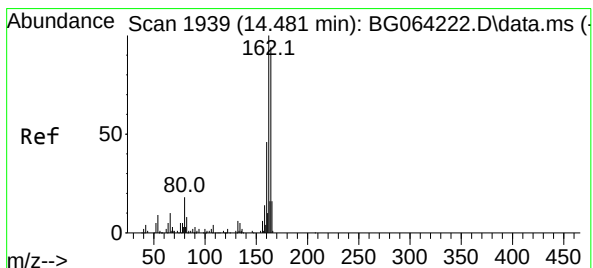
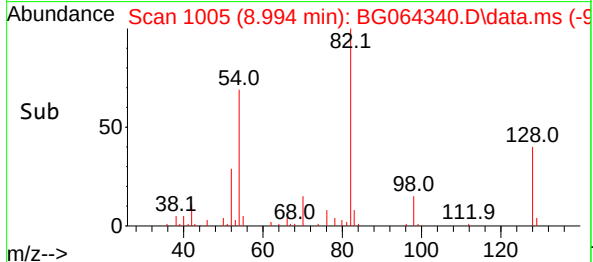
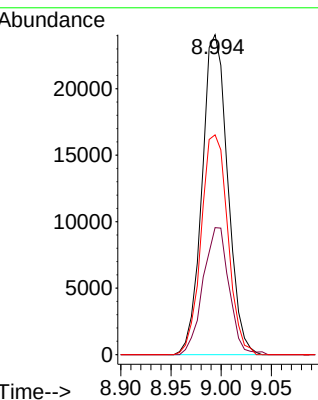
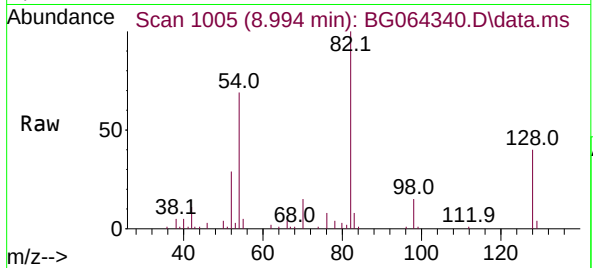
Tgt Ion: 82 Resp: 42739

Ion Ratio Lower Upper

82 100

128 39.7 32.6 48.8

54 68.7 54.7 82.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.470 min Scan# 1937

Delta R.T. -0.011 min

Lab File: BG064340.D

Acq: 10 Sep 2025 20:10

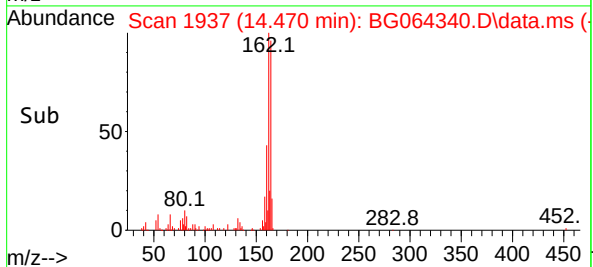
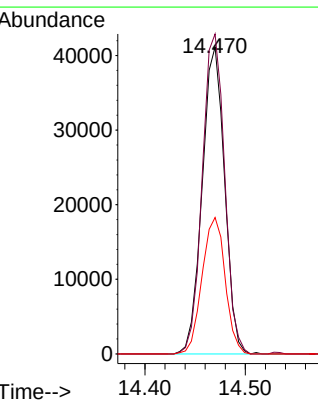
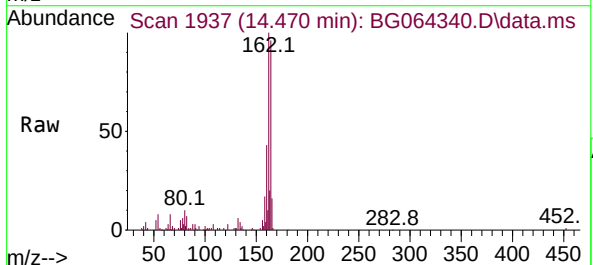
Tgt Ion:164 Resp: 63800

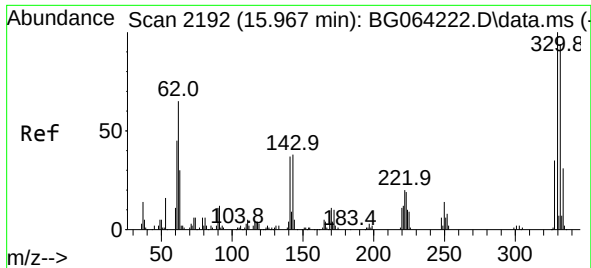
Ion Ratio Lower Upper

164 100

162 104.3 85.4 128.0

160 44.4 39.2 58.8

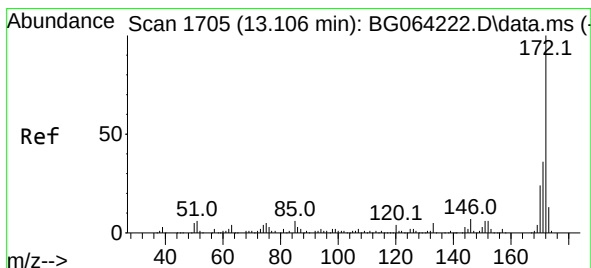
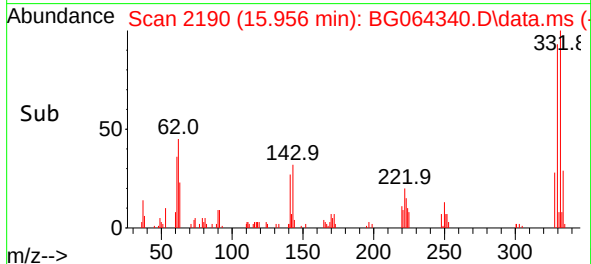
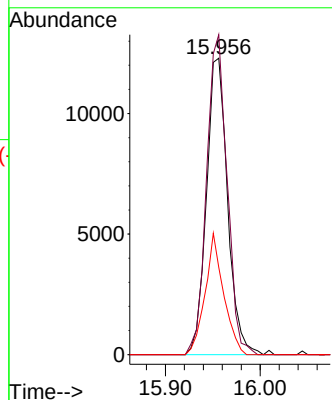
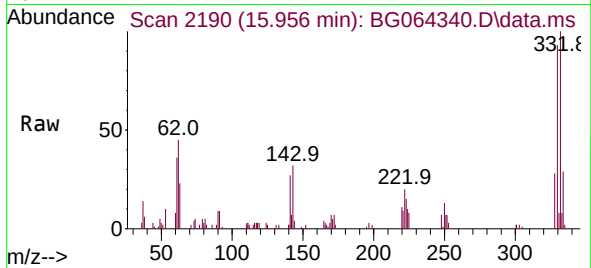




#42
2,4,6-Tribromophenol
Concen: 22.668 ng
RT: 15.956 min Scan# 2190
Delta R.T. -0.017 min
Lab File: BG064340.D
Acq: 10 Sep 2025 20:10

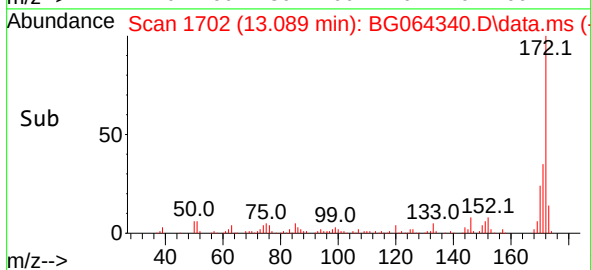
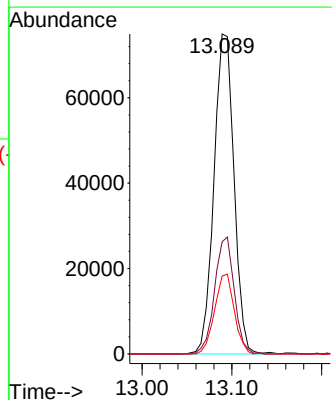
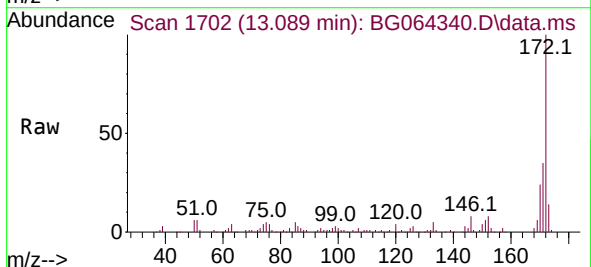
Instrument :
BNA_G
ClientSampleId :
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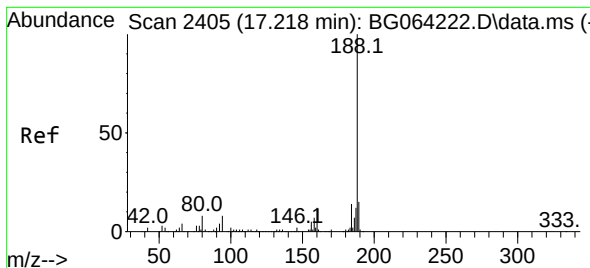
Tgt Ion:330 Resp: 19156
Ion Ratio Lower Upper
330 100
332 104.1 77.6 116.4
141 35.7 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 27.767 ng
RT: 13.089 min Scan# 1702
Delta R.T. -0.023 min
Lab File: BG064340.D
Acq: 10 Sep 2025 20:10

Tgt Ion:172 Resp: 116062
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 24.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.208 min Scan# 2405

Delta R.T. -0.017 min

Lab File: BG064340.D

Acq: 10 Sep 2025 20:10

Instrument :

BNA_G

ClientSampleId :

IRV-CONCRETE

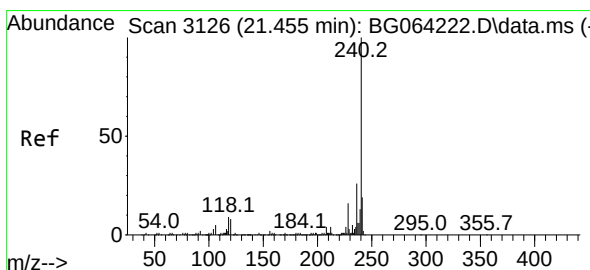
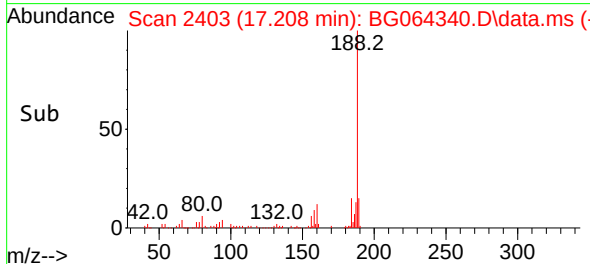
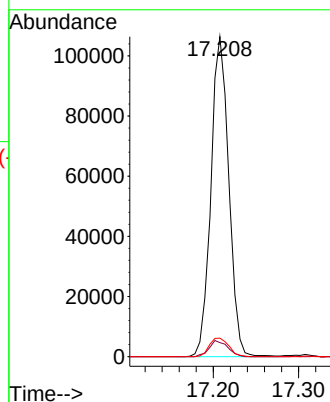
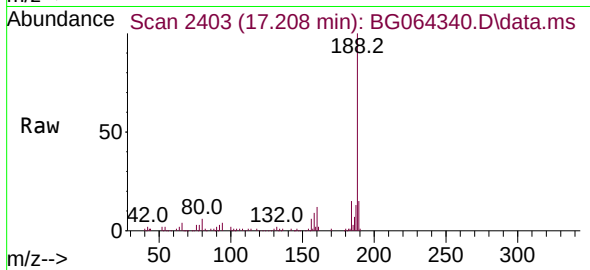
Tgt Ion:188 Resp: 154874

Ion Ratio Lower Upper

188 100

94 4.4 6.2 9.4#

80 5.8 6.8 10.2#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.438 min Scan# 3123

Delta R.T. -0.017 min

Lab File: BG064340.D

Acq: 10 Sep 2025 20:10

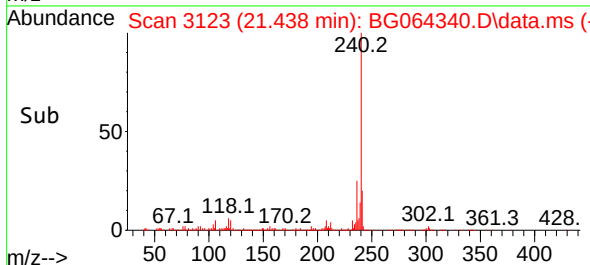
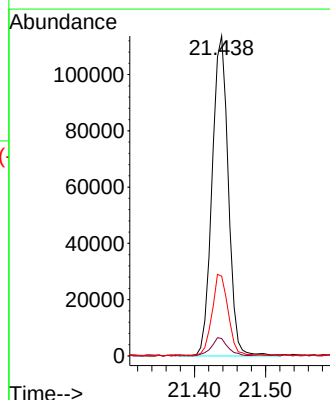
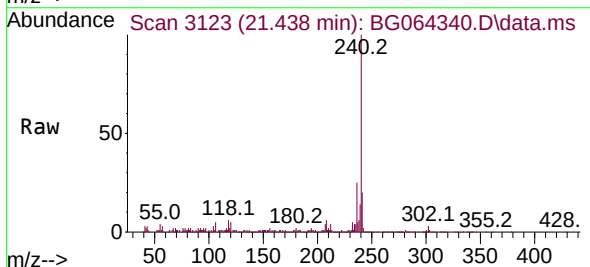
Tgt Ion:240 Resp: 179899

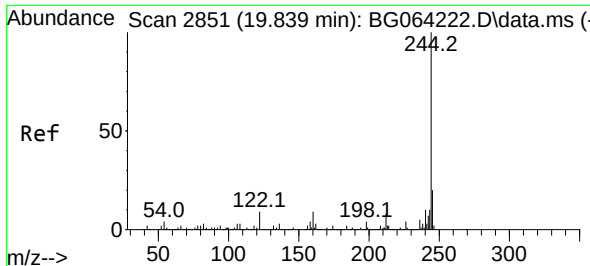
Ion Ratio Lower Upper

240 100

120 5.4 6.2 9.4#

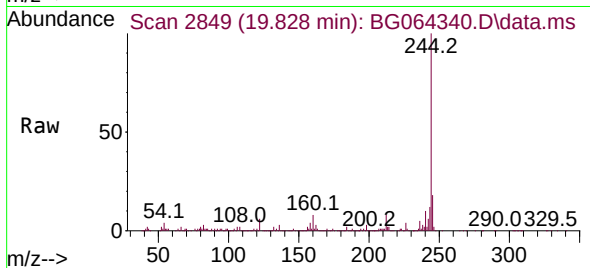
236 24.9 20.5 30.7



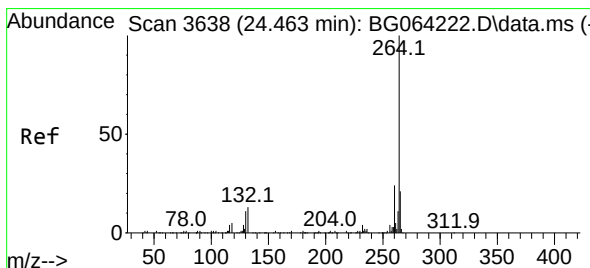
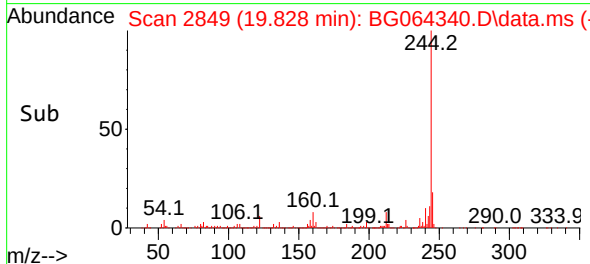
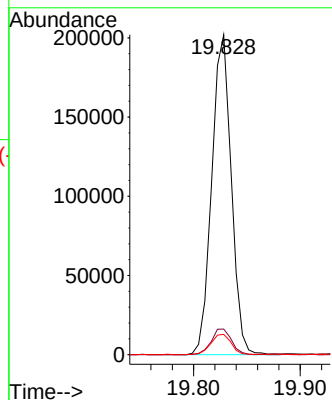


#79
 Terphenyl-d14
 Concen: 29.827 ng
 RT: 19.828 min Scan# 2849
 Delta R.T. -0.017 min
 Lab File: BG064340.D
 Acq: 10 Sep 2025 20:10

Instrument :
 BNA_G
 ClientSampleId :
 IRV-CONCRETE



Tgt Ion:244 Resp: 257186
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 10.0
 122 6.3 7.0 10.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.440 min Scan# 3634
 Delta R.T. -0.023 min
 Lab File: BG064340.D
 Acq: 10 Sep 2025 20:10

Tgt Ion:264 Resp: 199559
 Ion Ratio Lower Upper
 264 100
 260 25.9 18.9 28.3
 265 22.4 16.7 25.1

