

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
 Data File : BG064070.D
 Acq On : 7 Mar 2025 22:24
 Operator : RC/JU
 Sample : Q1494-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL

Quant Time: Mar 07 23:48:18 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	7.865	152	31372	20.000	ng	0.00
21) Naphthalene-d8	10.650	136	132783	20.000	ng	# 0.00
39) Acenaphthene-d10	14.487	164	94229	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	218867	20.000	ng	0.00
76) Chrysene-d12	21.455	240	229378	20.000	ng	0.00
86) Perylene-d12	24.475	264	241929	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	275959	137.350	ng	0.00
7) Phenol-d6	7.031	99	336033	122.943	ng	0.00
23) Nitrobenzene-d5	9.017	82	259507	108.002	ng	0.00
42) 2,4,6-Tribromophenol	15.974	330	168467	160.840	ng	0.00
45) 2-Fluorobiphenyl	13.112	172	579666	93.375	ng	0.00
79) Terphenyl-d14	19.851	244	1181540	104.154	ng	0.00

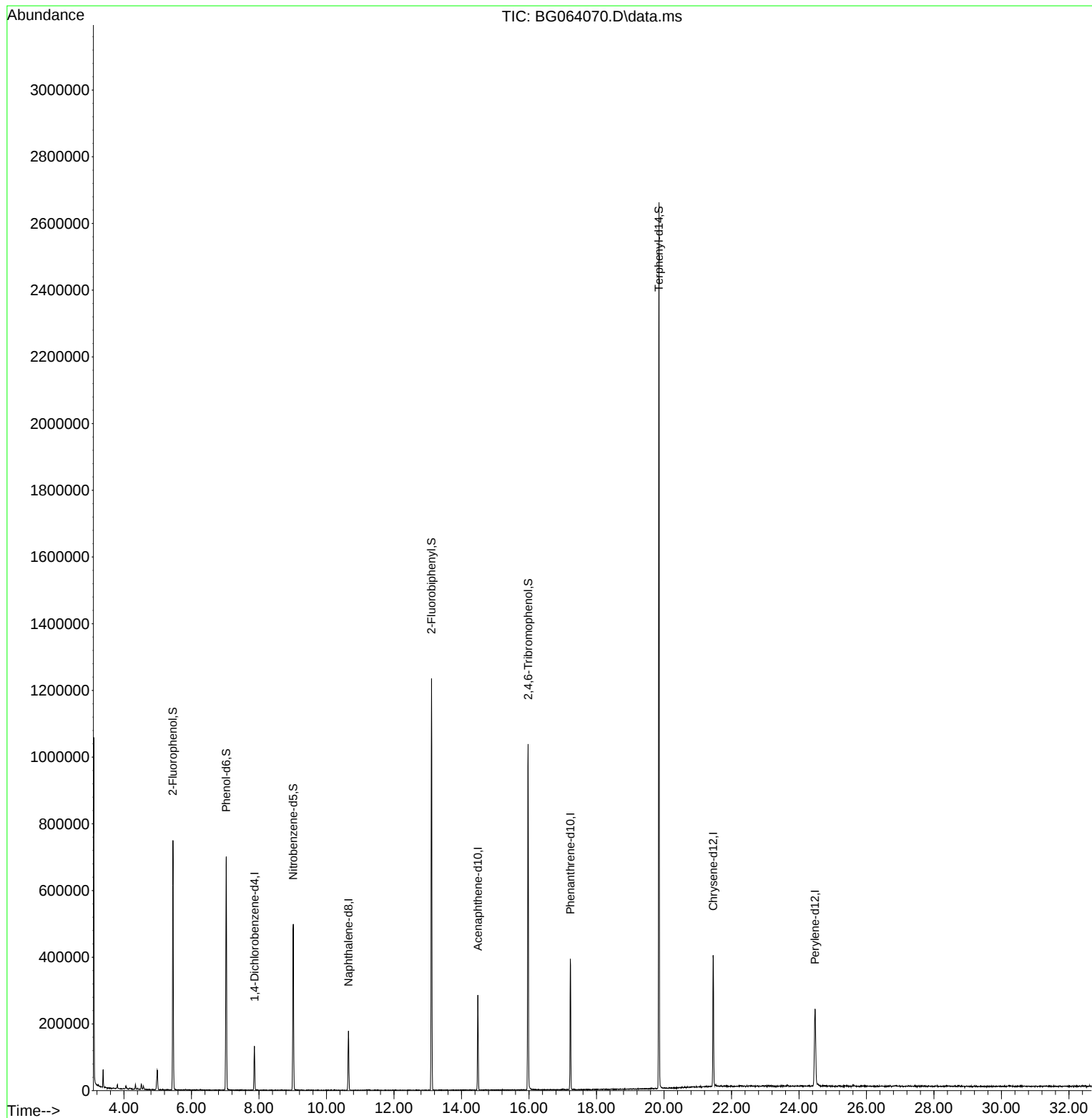
Target Compounds	Qvalue

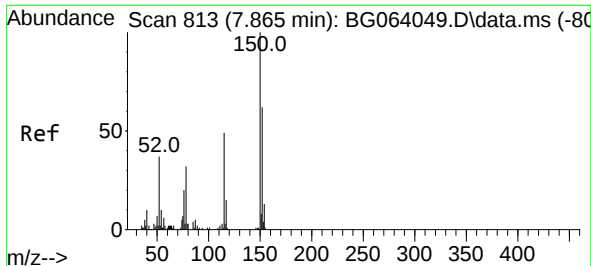
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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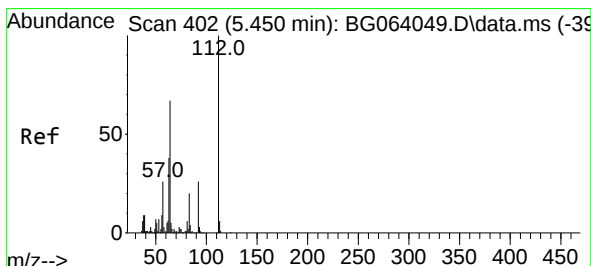
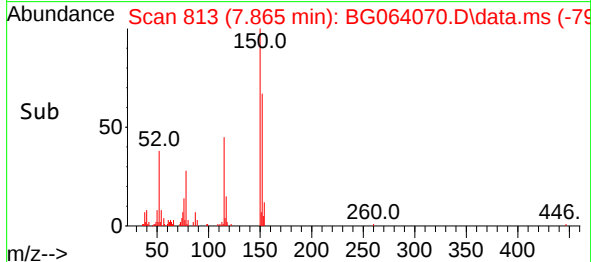
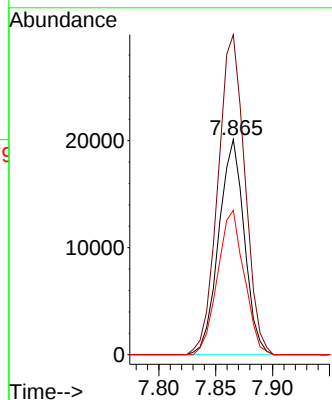
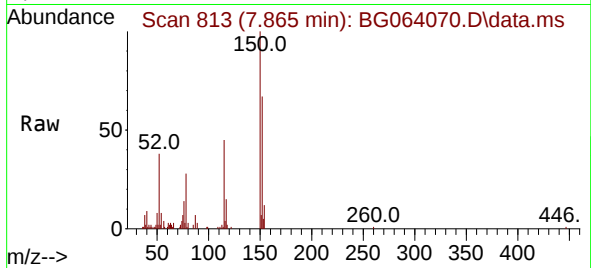




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 813
Delta R.T. 0.000 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

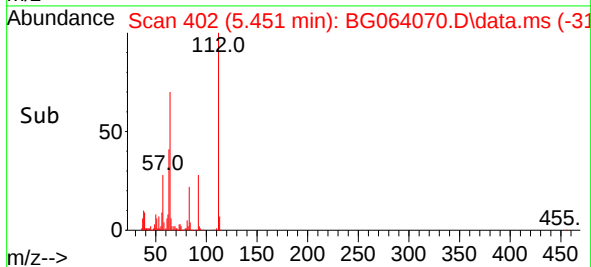
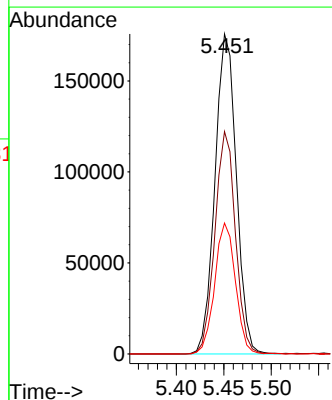
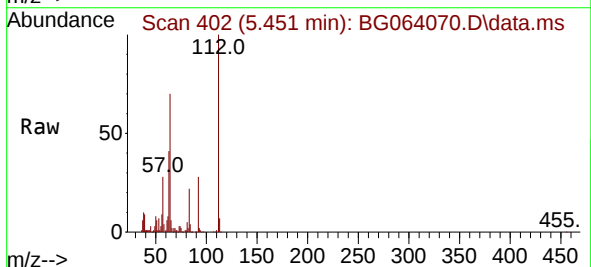
Instrument :
BNA_G
ClientSampleId :
SOIL

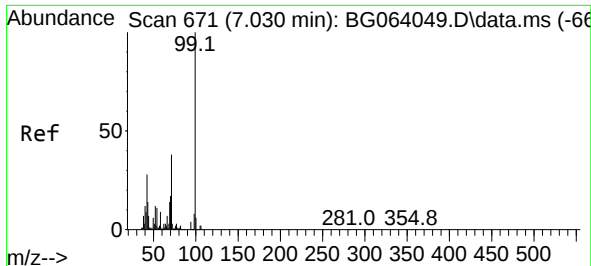
Tgt Ion:152 Resp: 31372
Ion Ratio Lower Upper
152 100
150 148.7 129.2 193.8
115 67.1 63.0 94.6



#5
2-Fluorophenol
Concen: 137.350 ng
RT: 5.451 min Scan# 402
Delta R.T. 0.001 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion:112 Resp: 275959
Ion Ratio Lower Upper
112 100
64 69.5 53.7 80.5
63 40.9 30.2 45.4

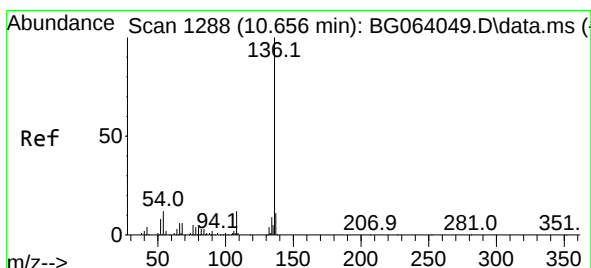
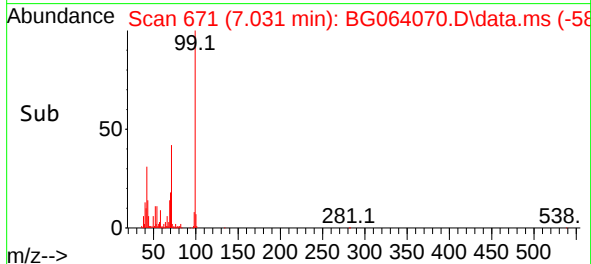
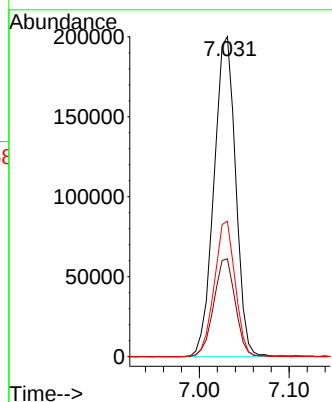
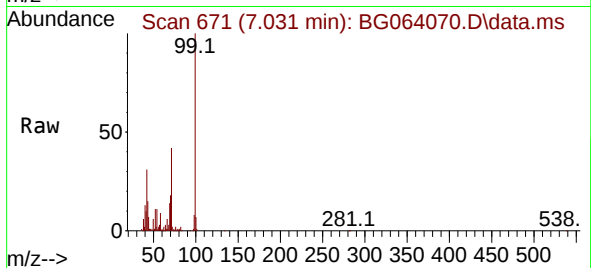




#7
Phenol-d6
Concen: 122.943 ng
RT: 7.031 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

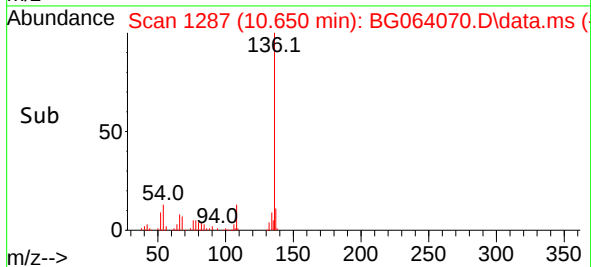
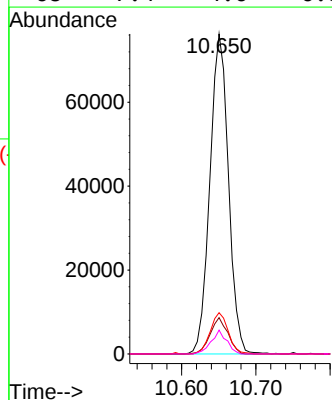
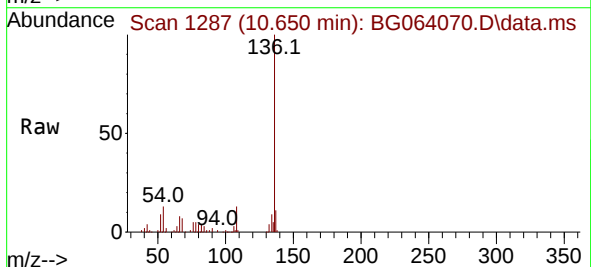
Instrument :
BNA_G
ClientSampleId :
SOIL

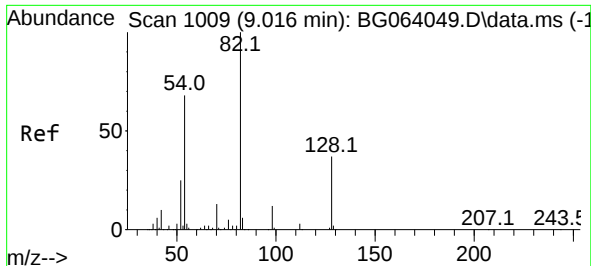
Tgt Ion: 99 Resp: 336033
Ion Ratio Lower Upper
99 100
42 30.6 22.7 34.1
71 42.4 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion:136 Resp: 132783
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 12.9 9.9 14.9
68 7.4 4.6 6.8#

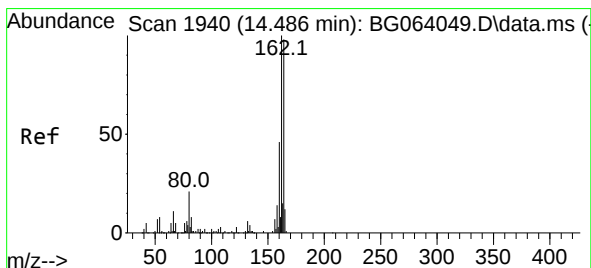
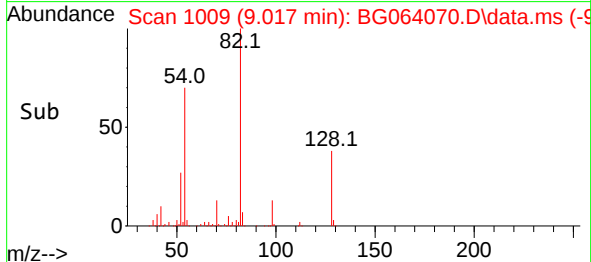
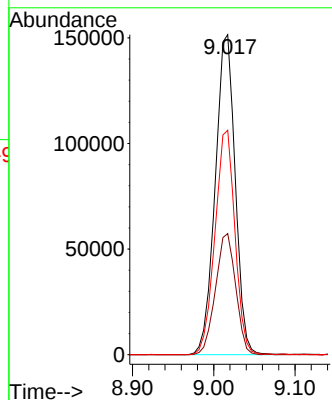
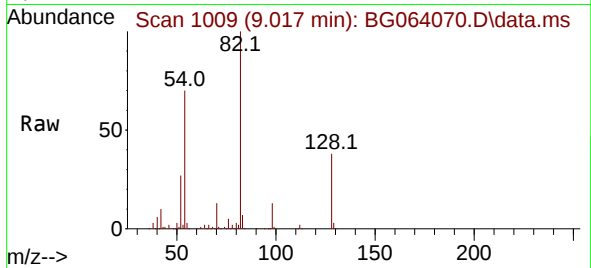




#23
Nitrobenzene-d5
Concen: 108.002 ng
RT: 9.017 min Scan# 1009
Delta R.T. 0.001 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

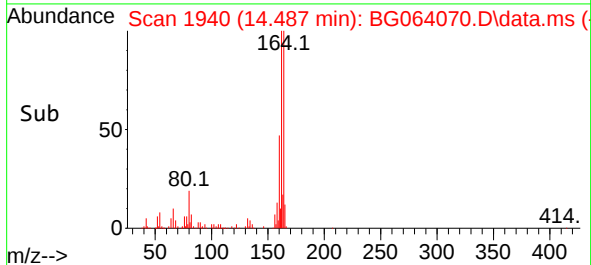
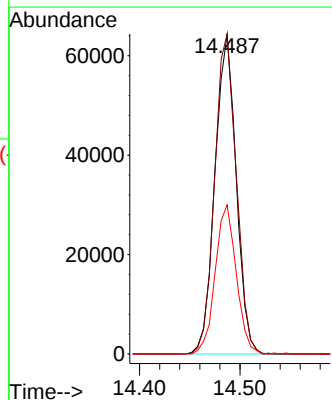
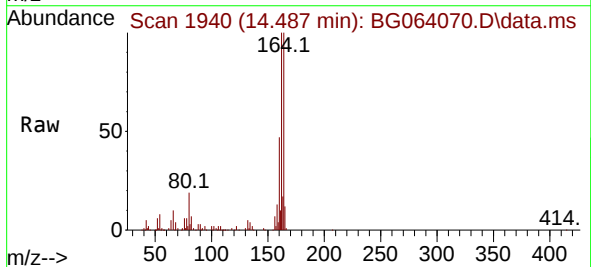
Instrument :
BNA_G
ClientSampleId :
SOIL

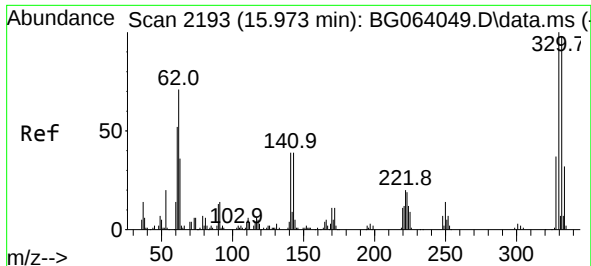
Tgt Ion: 82 Resp: 259507
Ion Ratio Lower Upper
82 100
128 37.8 30.0 45.0
54 70.1 54.7 82.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1940
Delta R.T. 0.001 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion:164 Resp: 94229
Ion Ratio Lower Upper
164 100
162 100.3 81.4 122.0
160 46.7 37.0 55.6

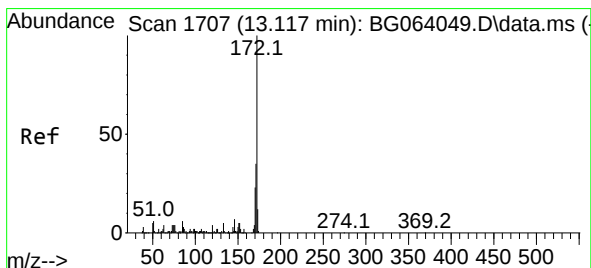
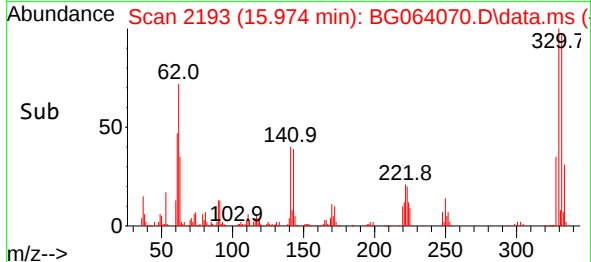
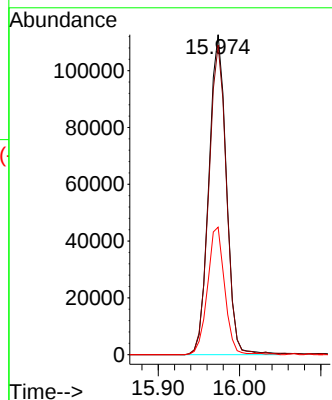
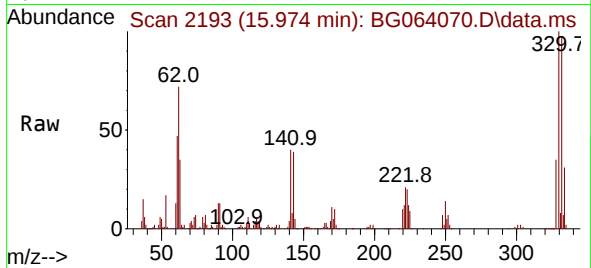




#42
2,4,6-Tribromophenol
Concen: 160.840 ng
RT: 15.974 min Scan# 2193
Delta R.T. 0.001 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

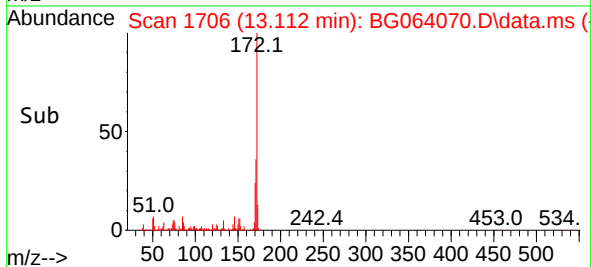
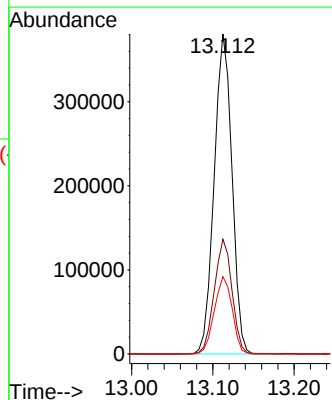
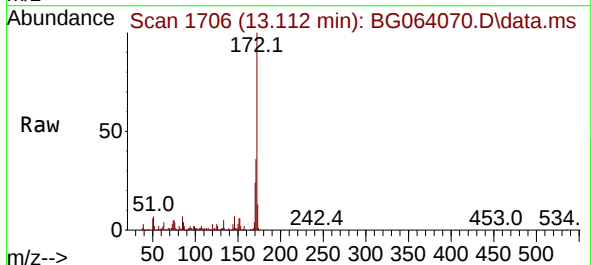
Instrument :
BNA_G
ClientSampleId :
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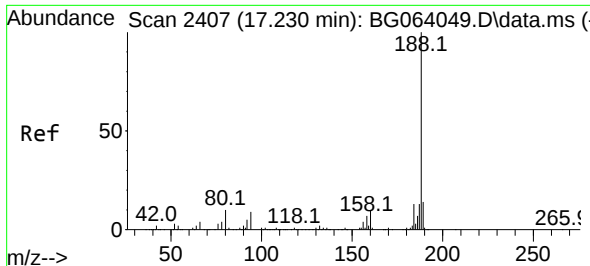
Tgt Ion:330 Resp: 168467
Ion Ratio Lower Upper
330 100
332 96.7 76.7 115.1
141 39.2 29.7 44.5



#45
2-Fluorobiphenyl
Concen: 93.375 ng
RT: 13.112 min Scan# 1706
Delta R.T. -0.005 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

Tgt Ion:172 Resp: 579666
Ion Ratio Lower Upper
172 100
171 35.9 28.0 42.0
170 24.1 18.7 28.1

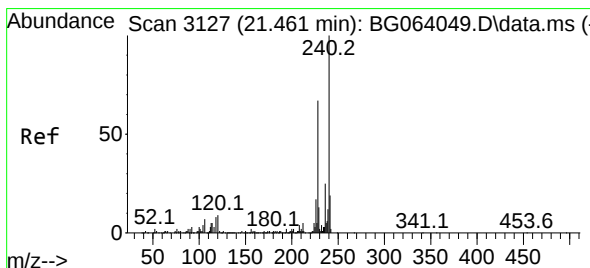
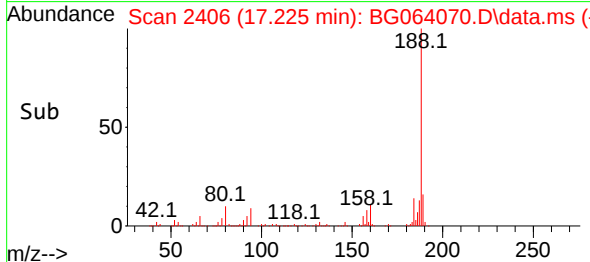
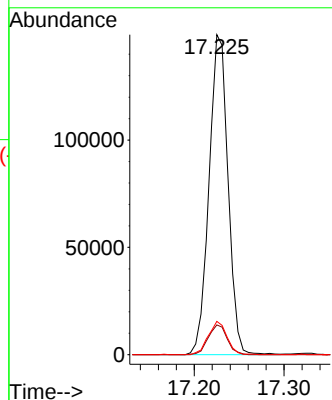
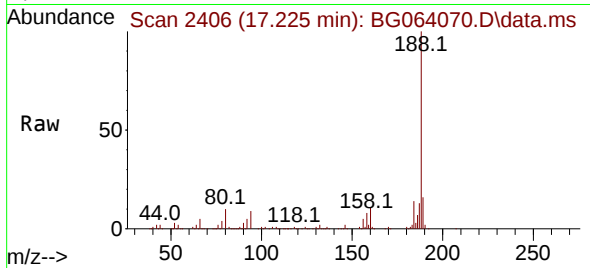




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2406
Delta R.T. -0.005 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

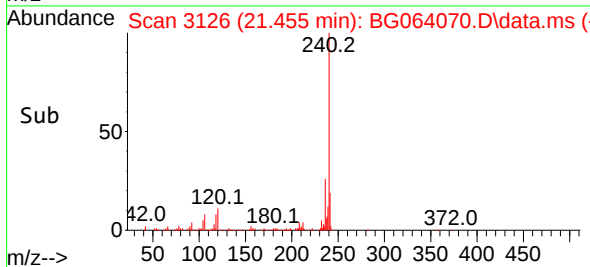
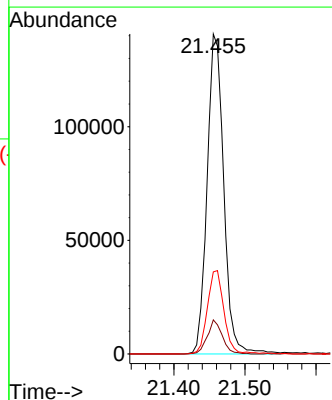
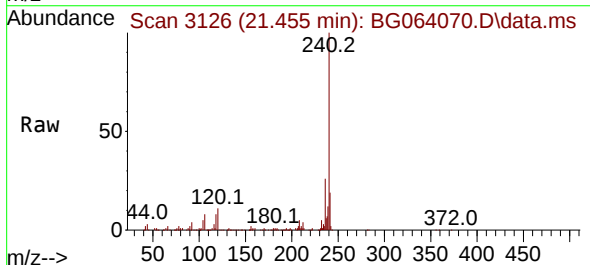
Instrument :
BNA_G
ClientSampleId :
SOIL

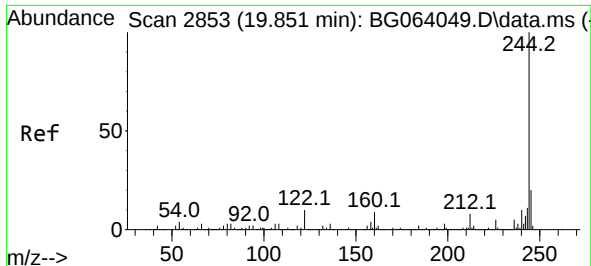
Tgt Ion:188 Resp: 218867
Ion Ratio Lower Upper
188 100
94 9.3 6.9 10.3
80 10.4 8.1 12.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.455 min Scan# 3126
Delta R.T. -0.005 min
Lab File: BG064070.D
Acq: 7 Mar 2025 22:24

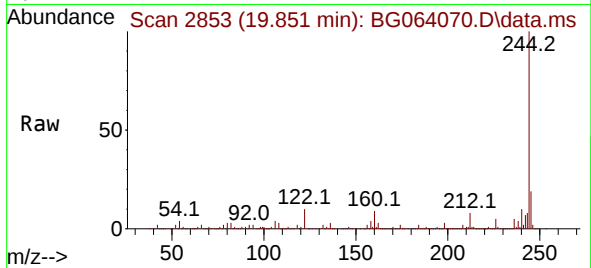
Tgt Ion:240 Resp: 229378
Ion Ratio Lower Upper
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120 10.7 7.2 10.8
236 25.7 20.2 30.2





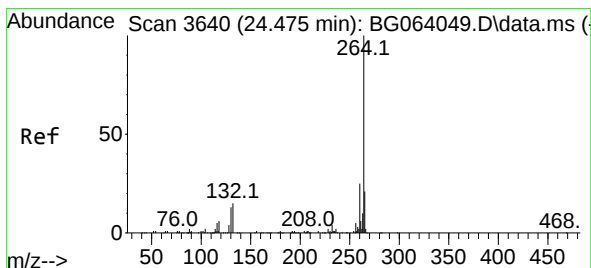
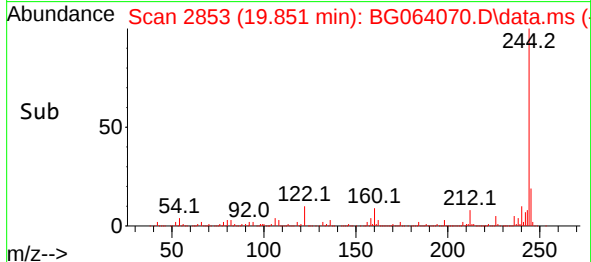
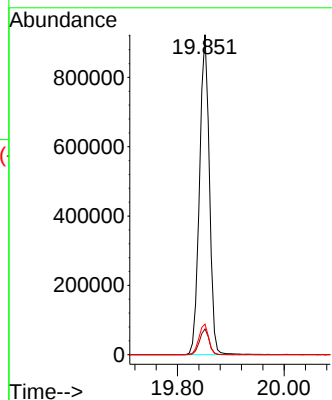
#79
 Terphenyl-d14
 Concen: 104.154 ng
 RT: 19.851 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG064070.D
 Acq: 7 Mar 2025 22:24

Instrument :
 BNA_G
 ClientSampleId :
 SOIL



Tgt Ion:244 Resp: 1181540

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	9.5	8.0	12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.475 min Scan# 3640
 Delta R.T. 0.001 min
 Lab File: BG064070.D
 Acq: 7 Mar 2025 22:24

Tgt Ion:264 Resp: 241929

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	20.9	16.6	25.0

