

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042324\
 Data File : BG061009.D
 Acq On : 23 Apr 2024 15:51
 Operator : MA/JU
 Sample : P2178-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-4

Quant Time: Apr 23 16:45:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

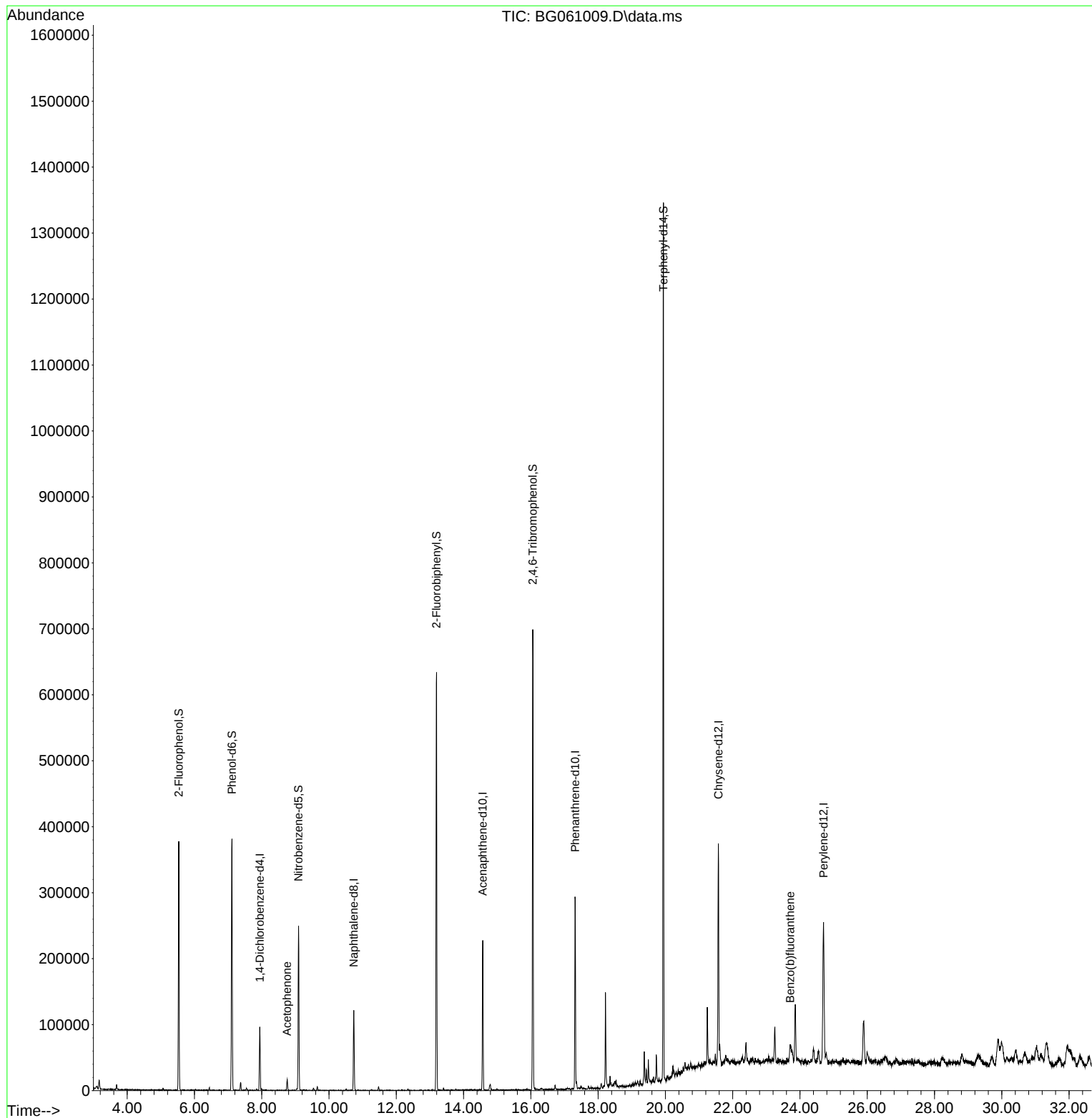
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.943	152	24827	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	97648	20.000	ng	# 0.00
39) Acenaphthene-d10	14.571	164	79609	20.000	ng	0.00
64) Phenanthrene-d10	17.314	188	196203	20.000	ng	0.00
76) Chrysene-d12	21.574	240	198403	20.000	ng	0.00
86) Perylene-d12	24.700	264	237390	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	129999	105.915	ng	0.00
7) Phenol-d6	7.115	99	173953	95.520	ng	0.00
23) Nitrobenzene-d5	9.095	82	120079	55.250	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	156871	89.735	ng	0.00
45) 2-Fluorobiphenyl	13.196	172	335800	58.379	ng	0.00
79) Terphenyl-d14	19.941	244	690447	54.018	ng	0.00
Target Compounds						
22) Acetophenone	8.754	105	8192	3.004	ng	# 86
88) Benzo(b)fluoranthene	23.713	252	35129	2.611	ng	# 94

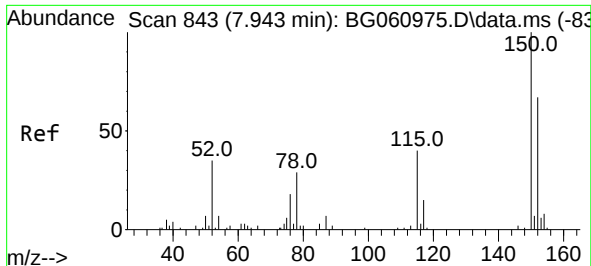
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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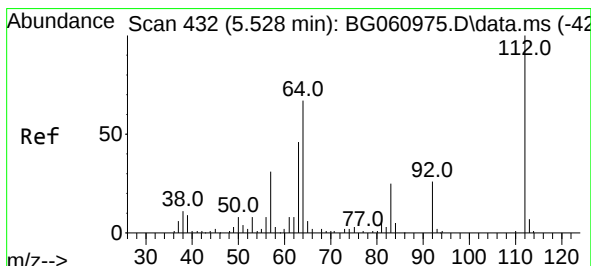
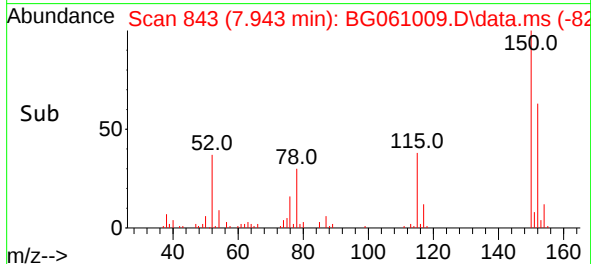
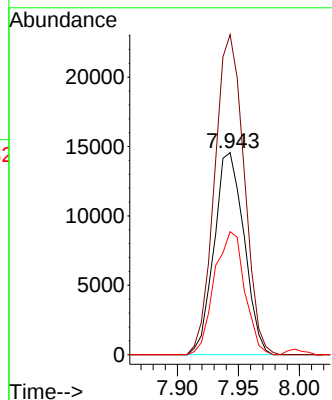
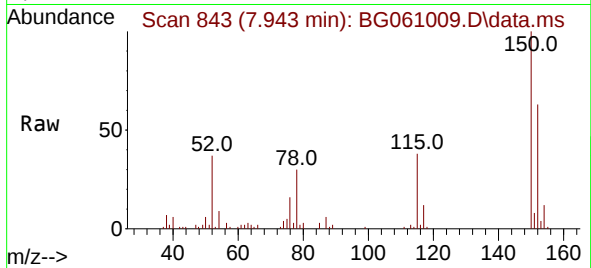




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.943 min Scan# 843
Delta R.T. 0.000 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

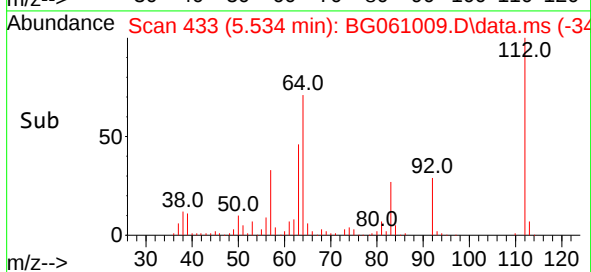
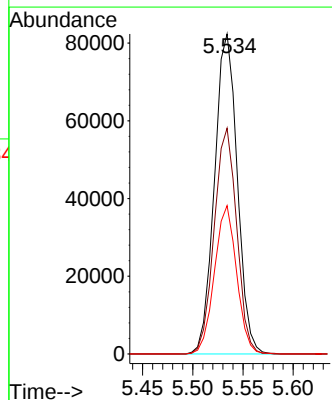
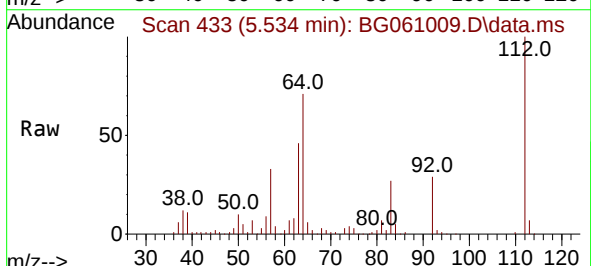
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-LKWD-DENALI-4

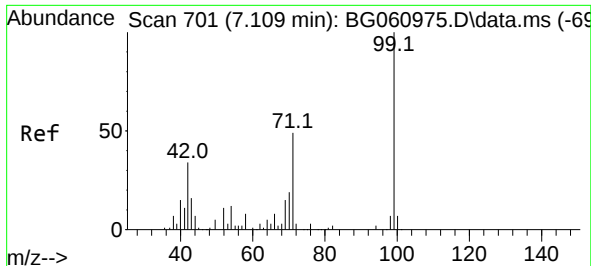
Tgt Ion:152 Resp: 24827
Ion Ratio Lower Upper
152 100
150 158.3 118.6 178.0
115 60.9 47.4 71.0



#5
2-Fluorophenol
Concen: 105.915 ng
RT: 5.534 min Scan# 433
Delta R.T. 0.006 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

Tgt Ion:112 Resp: 129999
Ion Ratio Lower Upper
112 100
64 70.5 53.7 80.5
63 46.4 37.0 55.6

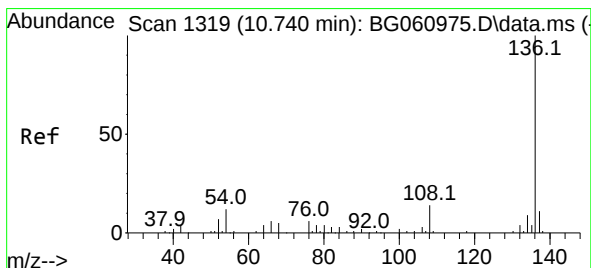
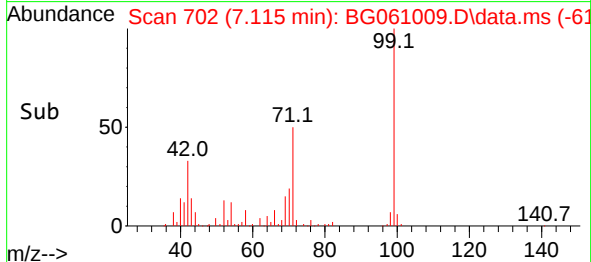
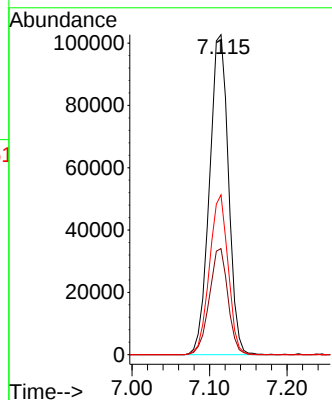
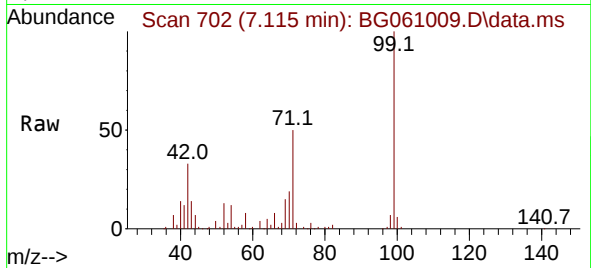




#7
Phenol-d6
Concen: 95.520 ng
RT: 7.115 min Scan# 701
Delta R.T. 0.006 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

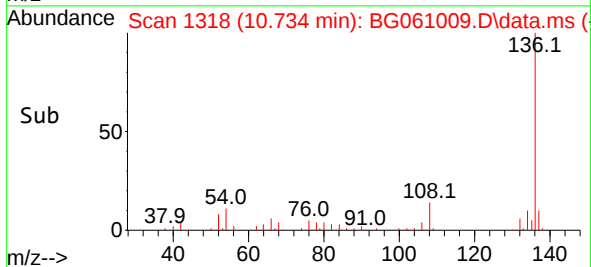
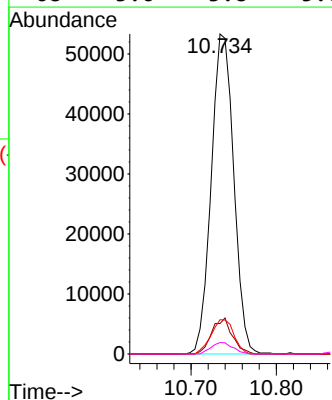
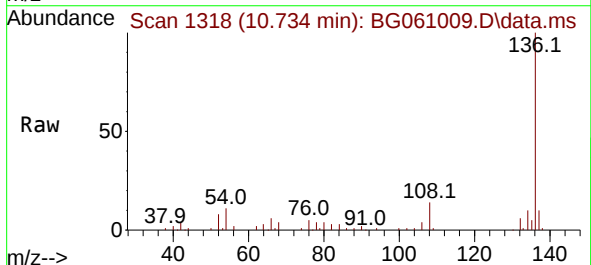
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-LKWD-DENALI-4

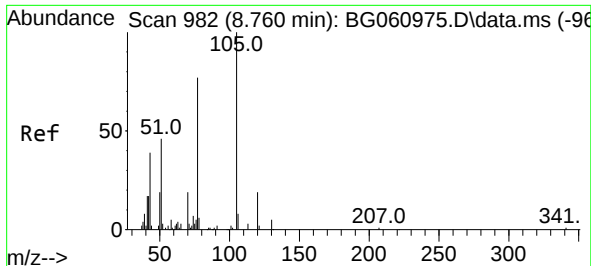
Tgt Ion: 99 Resp: 173953
Ion Ratio Lower Upper
99 100
42 33.1 27.2 40.8
71 49.9 38.8 58.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

Tgt Ion: 136 Resp: 97648
Ion Ratio Lower Upper
136 100
137 9.5 8.5 12.7
54 10.7 9.4 14.0
68 3.6 3.8 5.6#

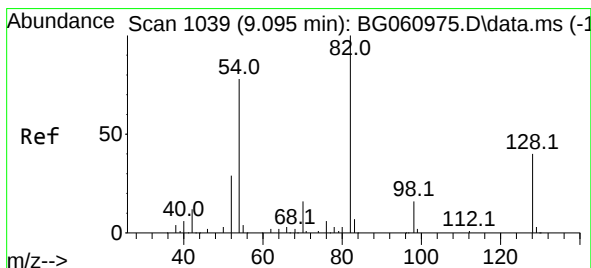
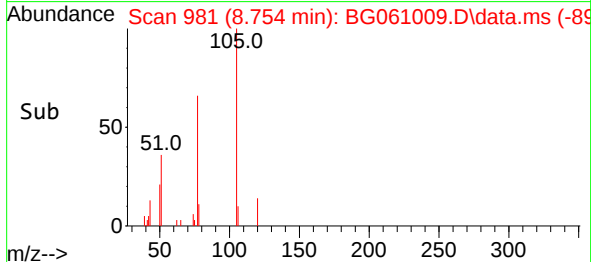
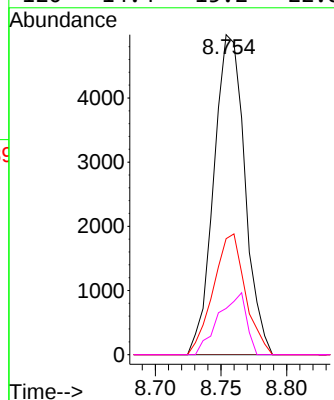
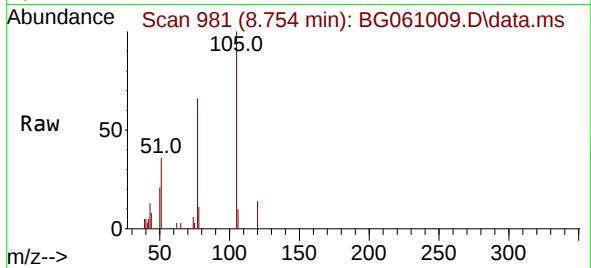




#22
Acetophenone
Concen: 3.004 ng
RT: 8.754 min Scan# 981
Delta R.T. -0.006 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

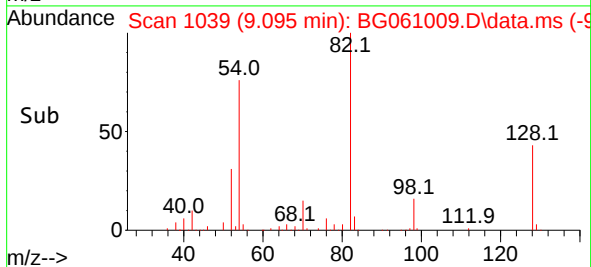
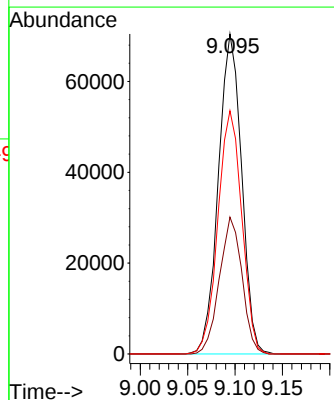
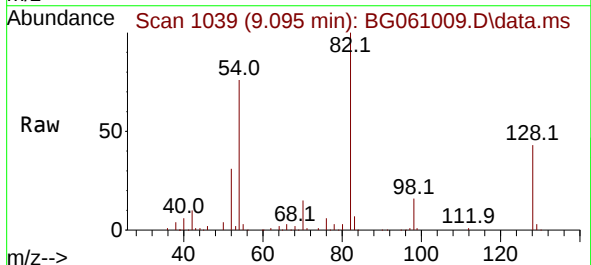
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-LKWD-DENALI-4

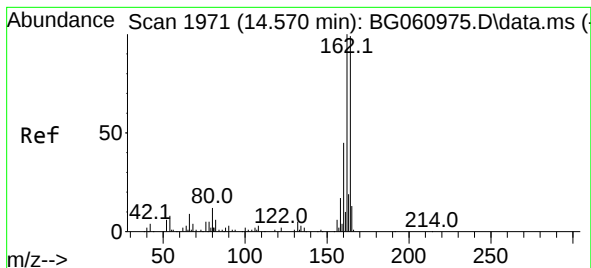
Tgt Ion:	105	Resp:	8192
Ion Ratio	Lower	Upper	
105	100		
71	0.0	2.5	3.7#
51	36.2	37.8	56.6#
120	14.4	15.2	22.8#



#23
Nitrobenzene-d5
Concen: 55.250 ng
RT: 9.095 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

Tgt Ion:	82	Resp:	120079
Ion Ratio	Lower	Upper	
82	100		
128	42.8	32.1	48.1
54	76.0	62.3	93.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.571 min Scan# 1971

Delta R.T. 0.000 min

Lab File: BG061009.D

Acq: 23 Apr 2024 15:51

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-LKWD-DENALI-4

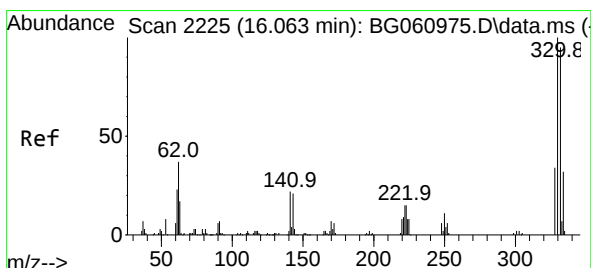
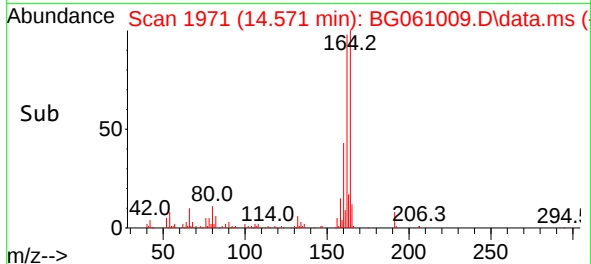
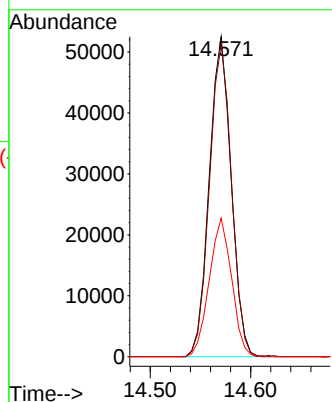
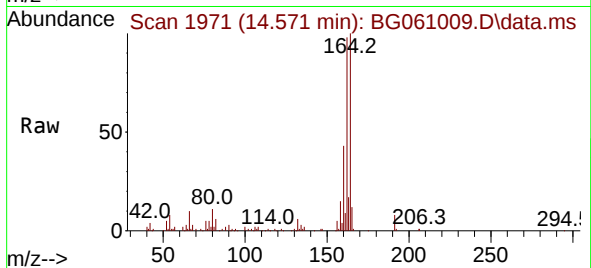
Tgt Ion:164 Resp: 79609

Ion Ratio Lower Upper

164 100

162 97.6 81.2 121.8

160 43.3 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 89.735 ng

RT: 16.057 min Scan# 2224

Delta R.T. -0.006 min

Lab File: BG061009.D

Acq: 23 Apr 2024 15:51

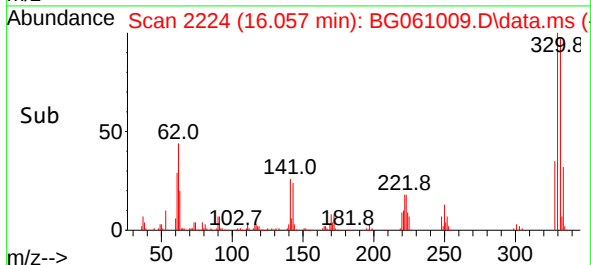
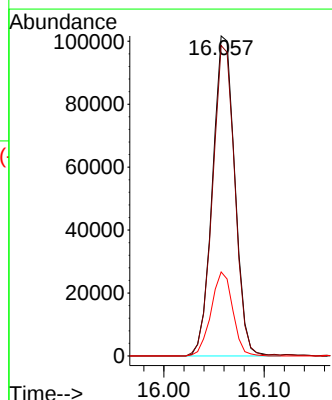
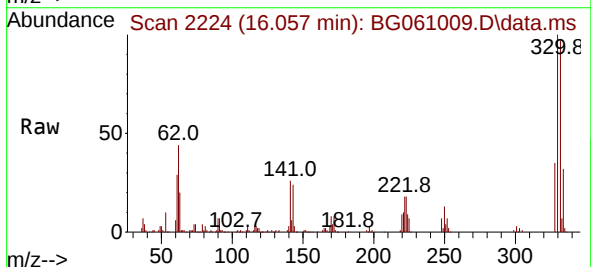
Tgt Ion:330 Resp: 156871

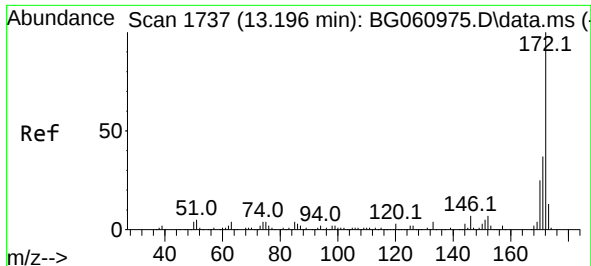
Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

141 25.5 20.6 31.0

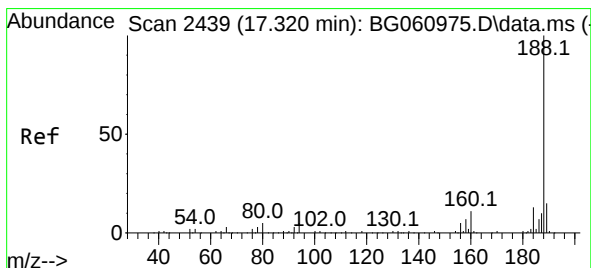
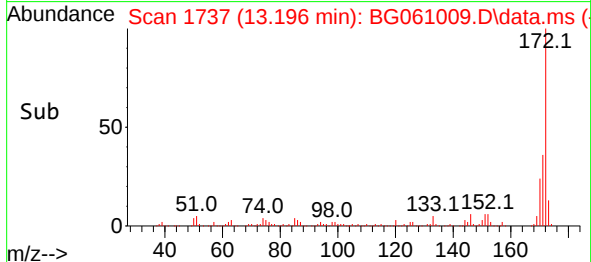
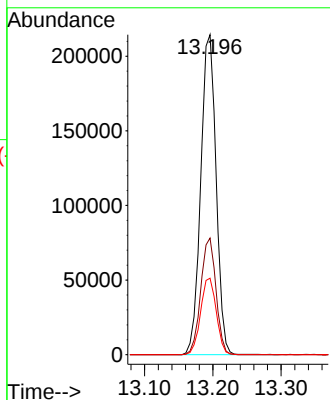
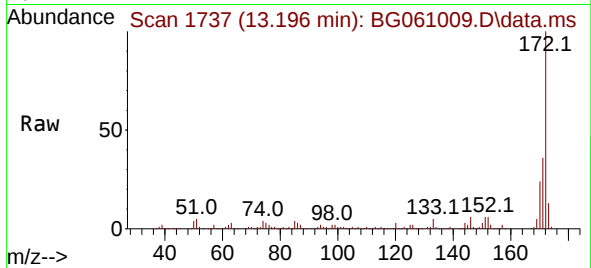




#45
2-Fluorobiphenyl
Concen: 58.379 ng
RT: 13.196 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

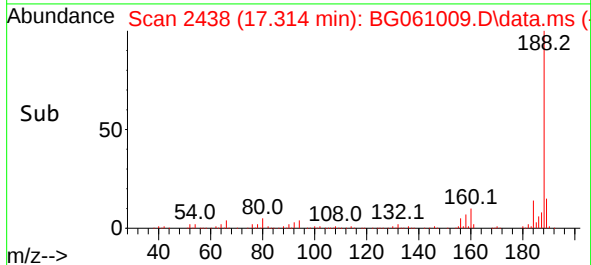
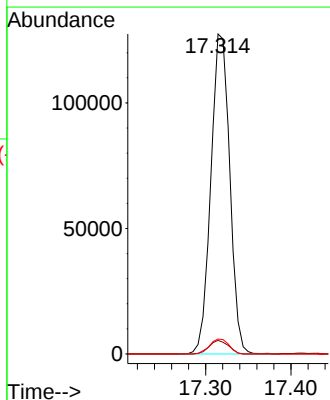
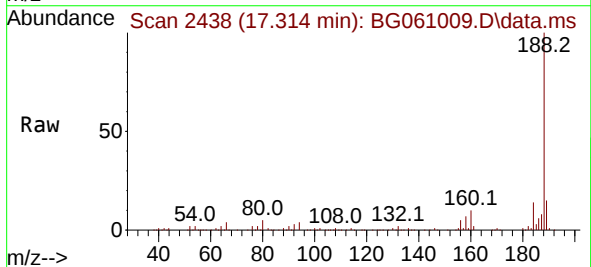
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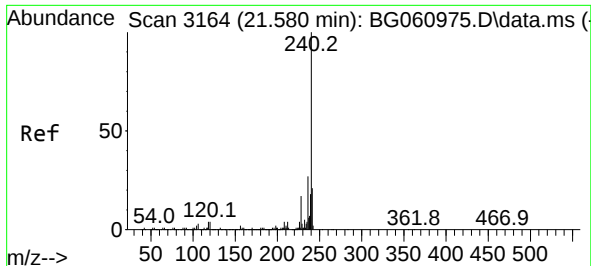
Tgt Ion:172 Resp: 335800
Ion Ratio Lower Upper
172 100
171 36.4 29.3 43.9
170 23.9 20.1 30.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.314 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

Tgt Ion:188 Resp: 196203
Ion Ratio Lower Upper
188 100
94 4.3 4.1 6.1
80 4.7 4.0 6.0

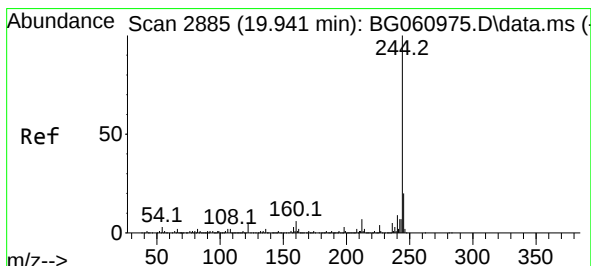
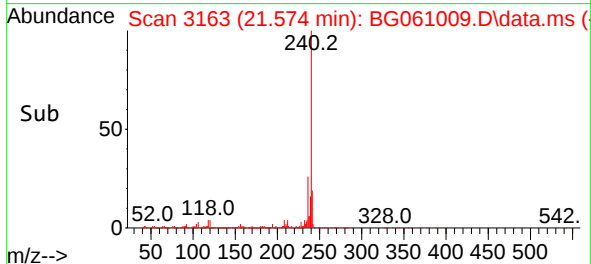
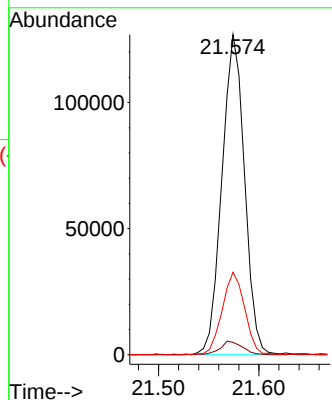
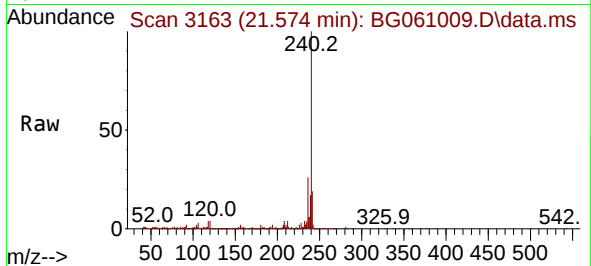




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3163
Delta R.T. -0.006 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

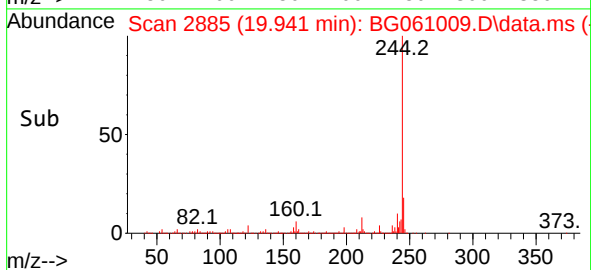
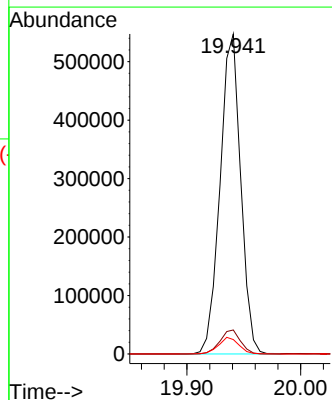
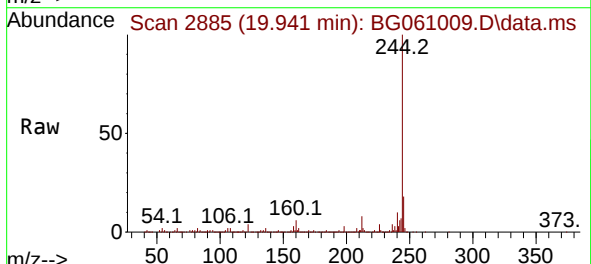
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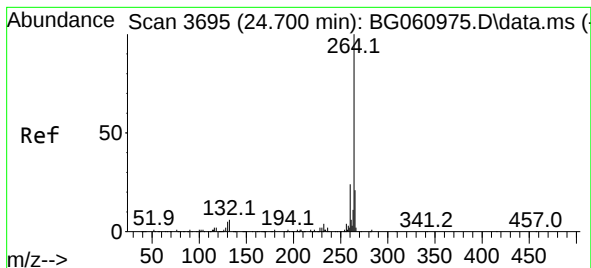
Tgt Ion:240 Resp: 198403
Ion Ratio Lower Upper
240 100
120 3.8 3.0 4.6
236 25.7 21.8 32.6



#79
Terphenyl-d14
Concen: 54.018 ng
RT: 19.941 min Scan# 2885
Delta R.T. 0.000 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

Tgt Ion:244 Resp: 690447
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 4.5 4.2 6.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.700 min Scan# 3

Delta R.T. 0.000 min

Lab File: BG061009.D

Acq: 23 Apr 2024 15:51

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-LKWD-DENALI-4

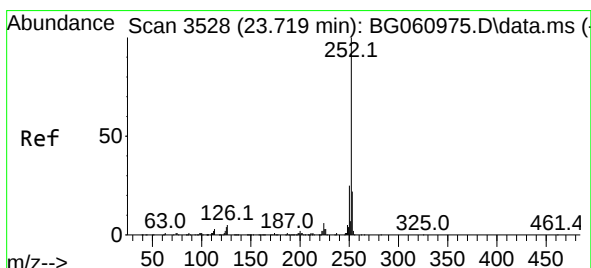
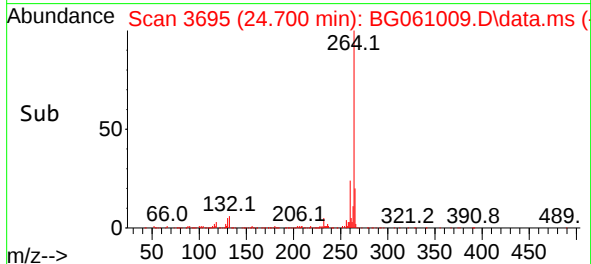
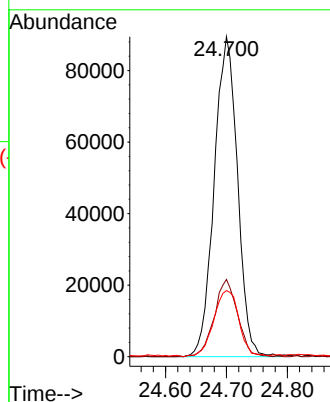
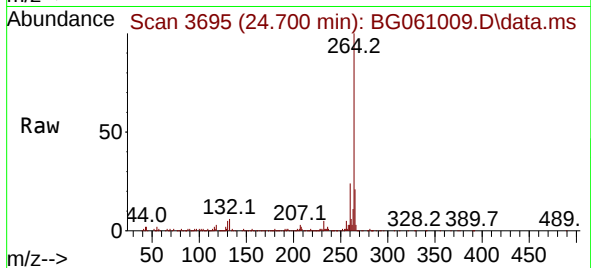
Tgt Ion:264 Resp: 237390

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 20.6 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.611 ng

RT: 23.713 min Scan# 3527

Delta R.T. -0.006 min

Lab File: BG061009.D

Acq: 23 Apr 2024 15:51

Tgt Ion:252 Resp: 35129

Ion Ratio Lower Upper

252 100

253 19.3 17.5 26.3

125 6.2 3.3 4.9#

