

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

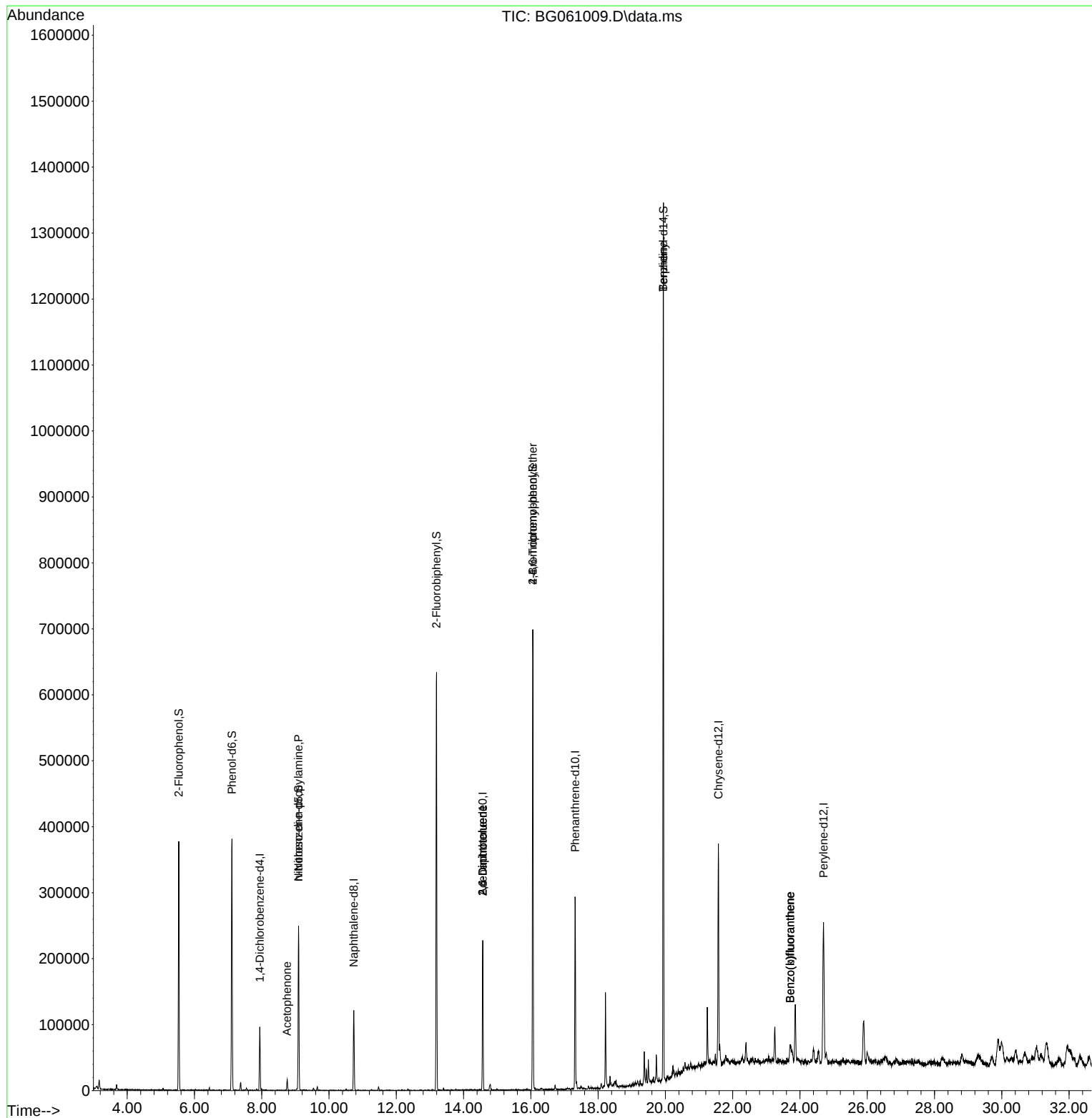
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

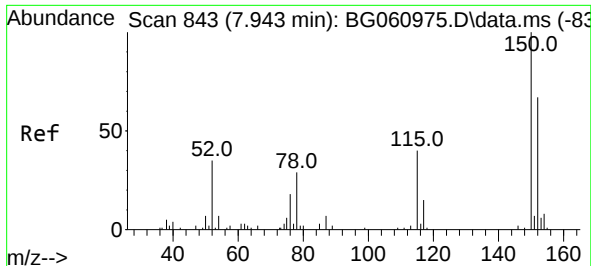
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.943	152	24827	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	97648	20.000	ng	# 0.00
39) Acenaphthene-d10	14.571	164	79609	20.000	ng	0.00
64) Phenanthrene-d10	17.314	188	196203	20.000	ng	0.00
76) Chrysene-d12	21.574	240	198403	20.000	ng	0.00
86) Perylene-d12	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						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.095	70	17957	13.231	ng	# 66
22) Acetophenone	8.754	105	8192	3.004		

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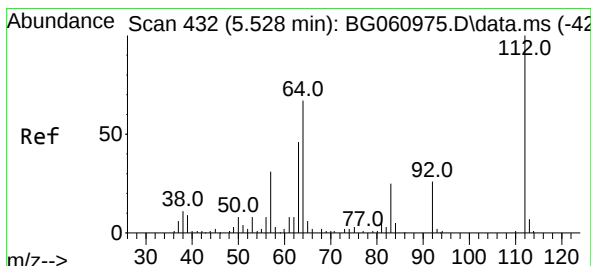
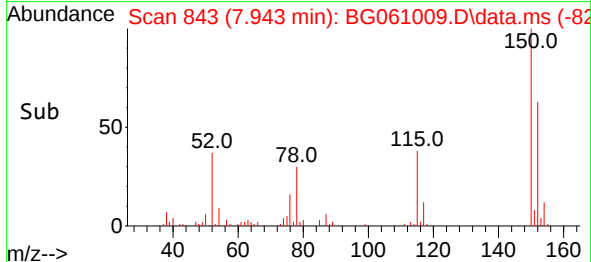
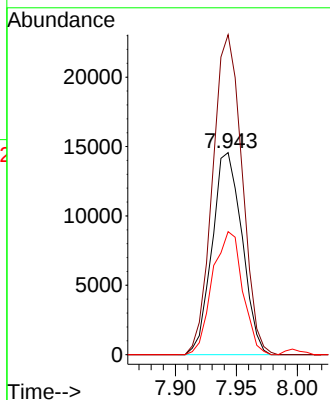
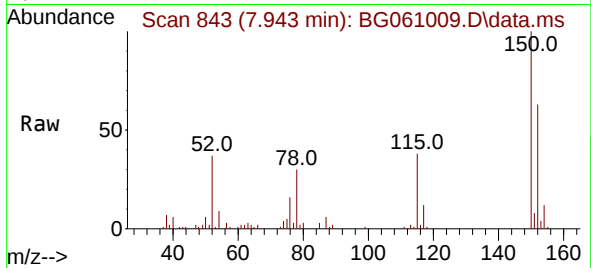




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.943 min Scan# 843
Delta R.T. 0.000 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

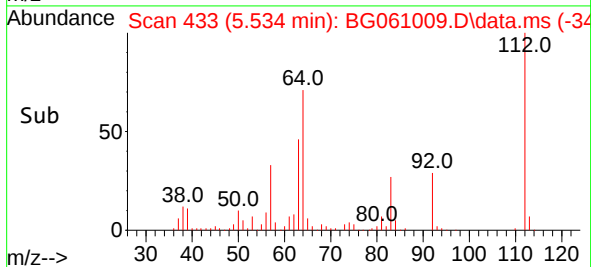
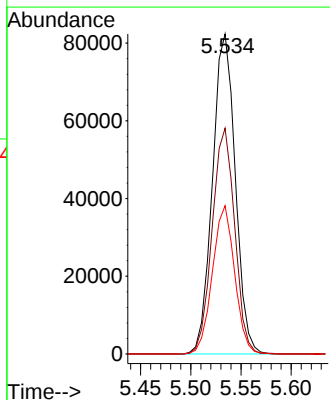
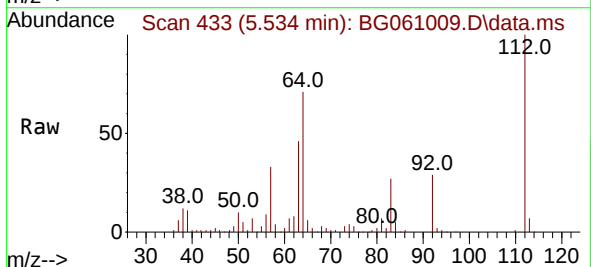
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-LKWD-DENALI-4

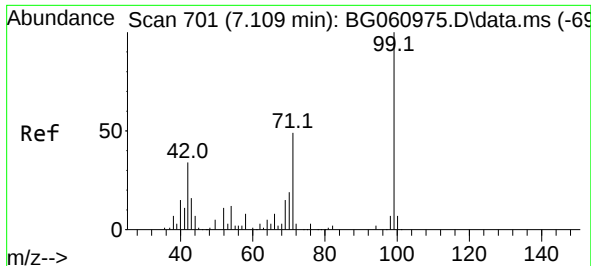
Tgt Ion:152 Resp: 24827
Ion Ratio Lower Upper
152 100
150 158.3 118.6 178.0
115 60.9 47.4 71.0



#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

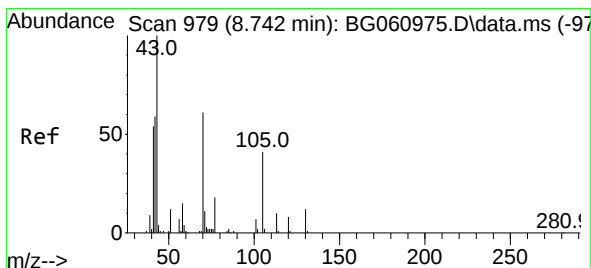
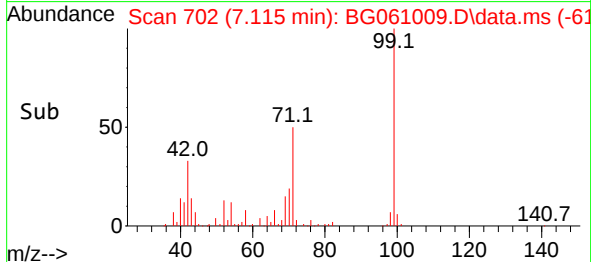
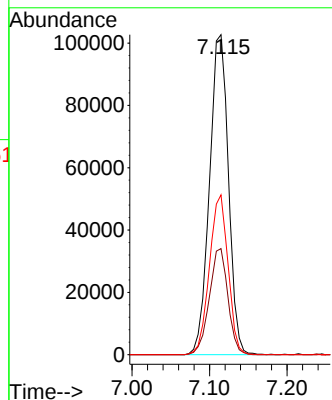
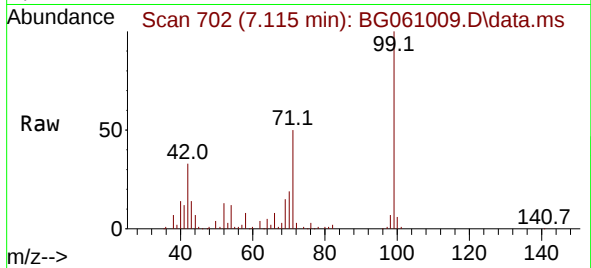




#7
Phenol-d6
Concen: 95.520 ng
RT: 7.115 min Scan# 701
Delta R.T. 0.006 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

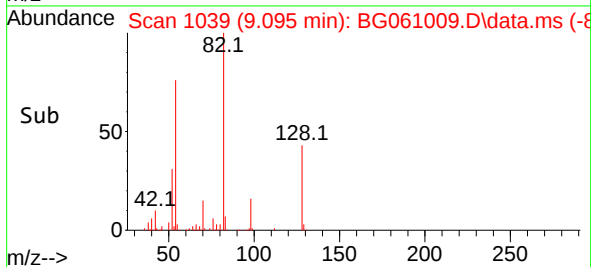
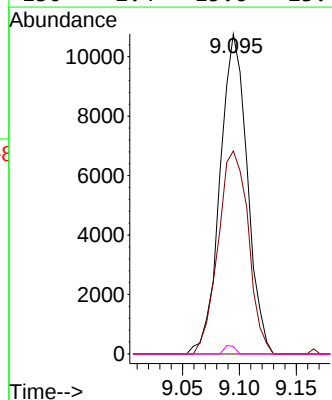
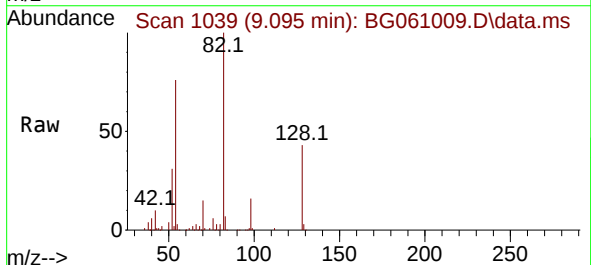
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-LKWD-DENALI-4

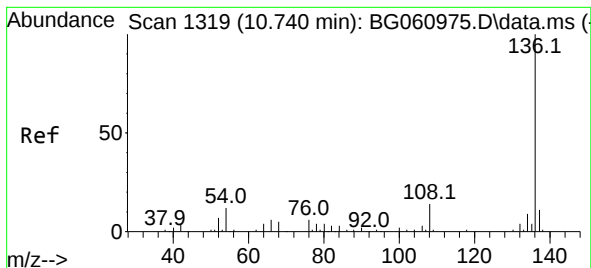
Tgt Ion: 99 Resp: 173953
Ion Ratio Lower Upper
99 100
42 33.1 27.2 40.8
71 49.9 38.8 58.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.231 ng
RT: 9.095 min Scan# 1039
Delta R.T. 0.353 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

Tgt Ion: 70 Resp: 17957
Ion Ratio Lower Upper
70 100
42 63.5 78.0 117.0#
101 0.0 8.6 13.0#
130 2.4 15.6 23.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.734 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG061009.D

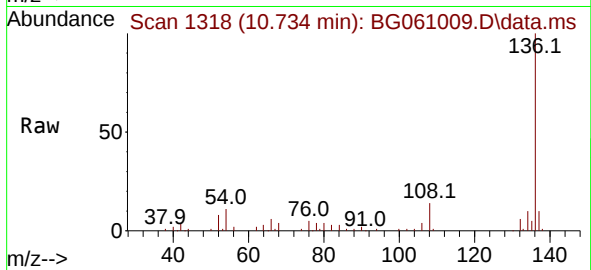
Acq: 23 Apr 2024 15:51

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-LKWD-DENALI-4



Tgt Ion:136 Resp: 97648

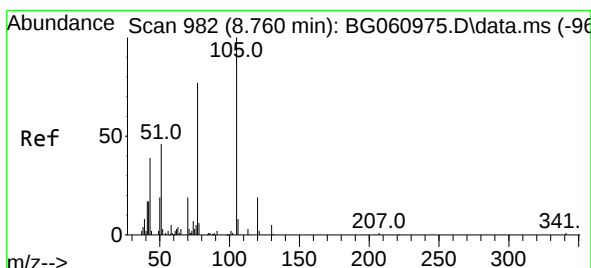
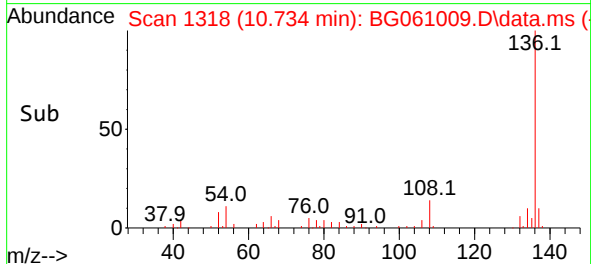
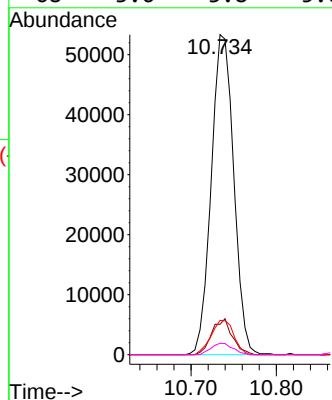
Ion Ratio Lower Upper

136 100

137 9.5 8.5 12.7

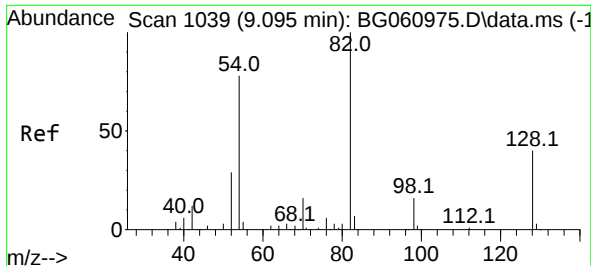
54 10.7 9.4 14.0

68 3.6 3.8 5.6#



#22

Acetophenone



#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

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-LKWD-DENALI-4

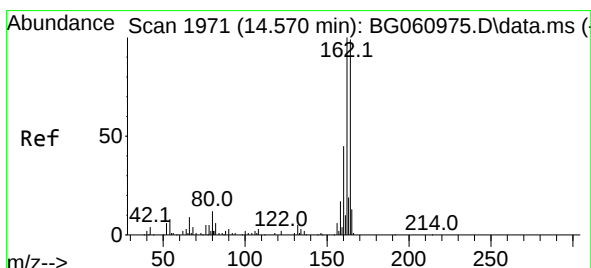
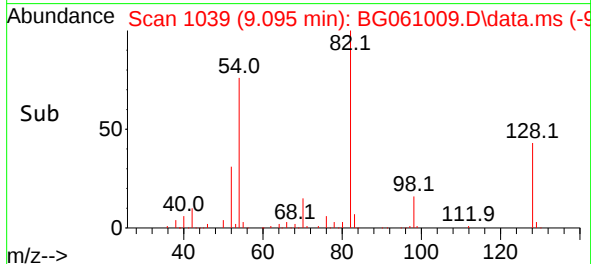
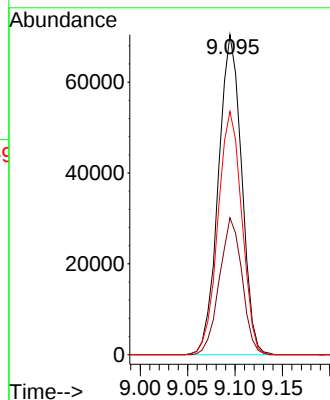
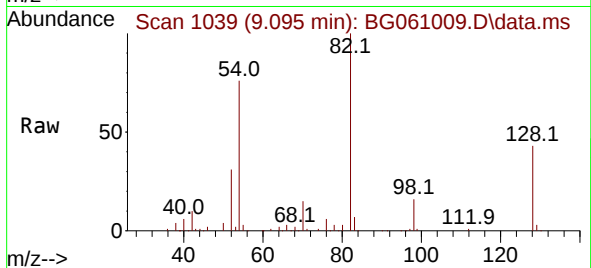
Tgt Ion: 82 Resp: 120079

Ion Ratio Lower Upper

82 100

128 42.8 32.1 48.1

54 76.0 62.3 93.5



#39

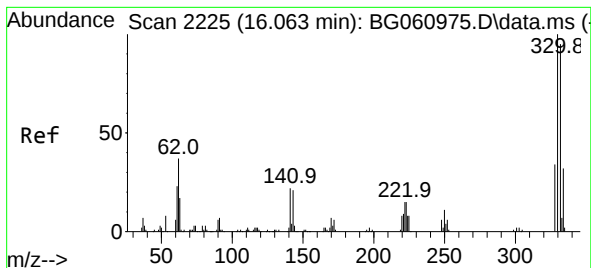
Acenaphthene-d10

Concen: 20.000 ng

RT: 14.571 min Scan# 1971

Delta R.T. 0.000 min

Lab File: BG061009.D



#42

2,4,6-Tribromophenol

Concen: 89.735 ng

RT: 16.057 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG061009.D

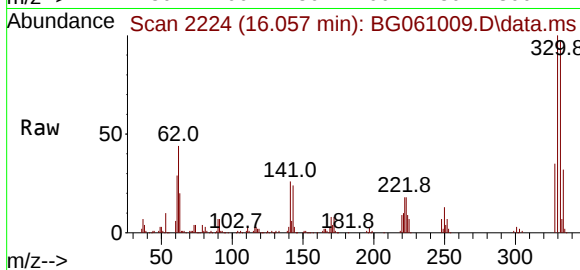
Acq: 23 Apr 2024 15:51

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-LKWD-DENALI-4



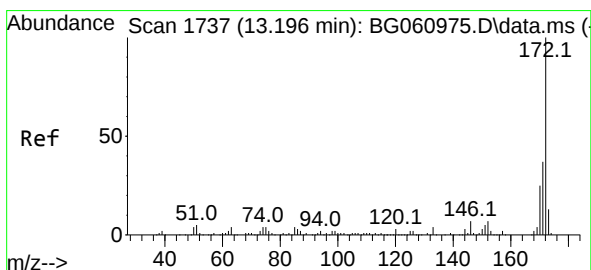
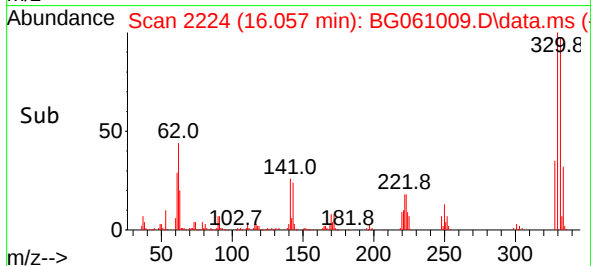
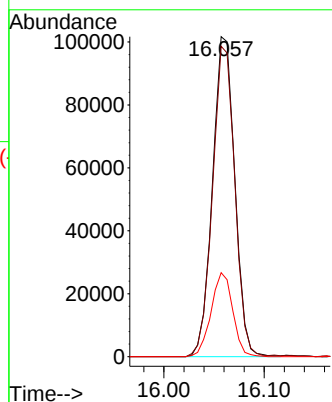
Tgt Ion:330 Resp: 156871

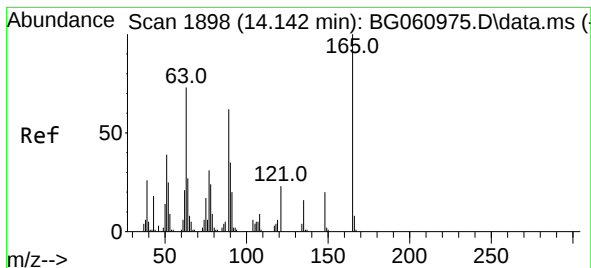
Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

141 25.5 20.6 31.0

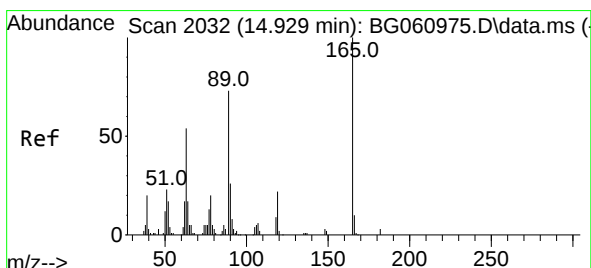
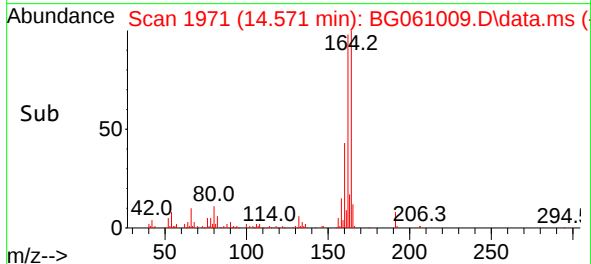
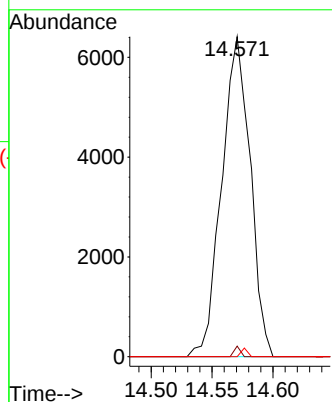
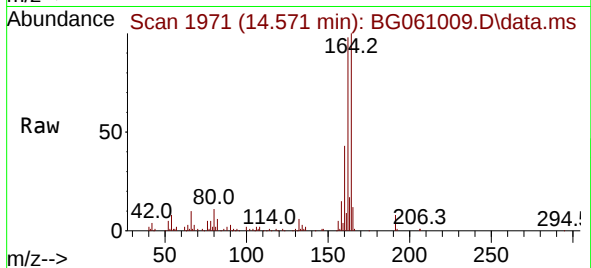




#51
2,6-Dinitrotoluene
Concen: 7.631 ng
RT: 14.571 min Scan# 1971
Delta R.T. 0.429 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

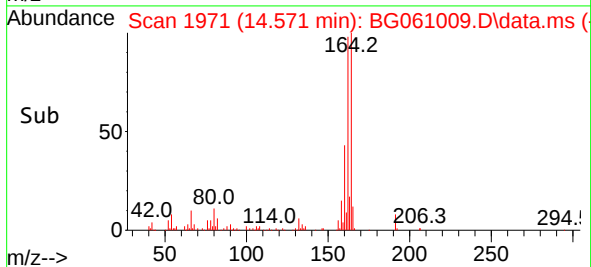
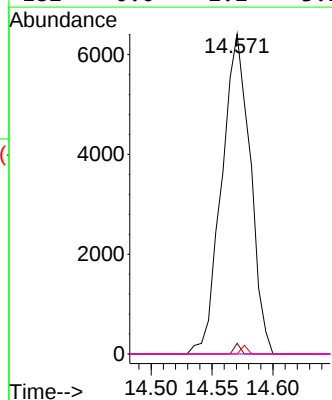
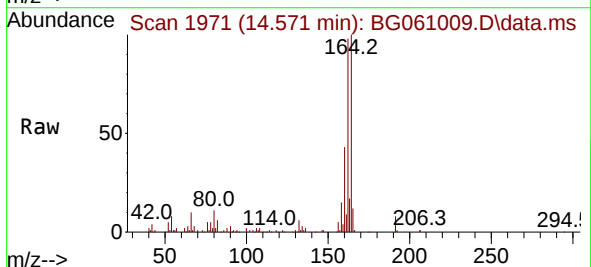
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-LKWD-DENALI-4

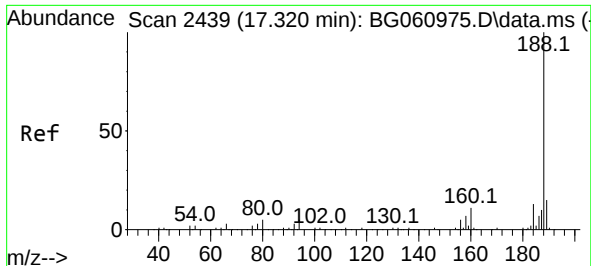
Tgt Ion:165 Resp: 10453
Ion Ratio Lower Upper
165 100
63 3.3 59.6 89.4#
89 0.0 49.4 74.0#



#57
2,4-Dinitrotoluene
Concen: 5.299 ng
RT: 14.571 min Scan# 1971
Delta R.T. -0.358 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

Tgt Ion:165 Resp: 10453
Ion Ratio Lower Upper
165 100
63 3.3 43.4 65.2#
89 0.0 58.4 87.6#
182 0.0 2.2 3.2#

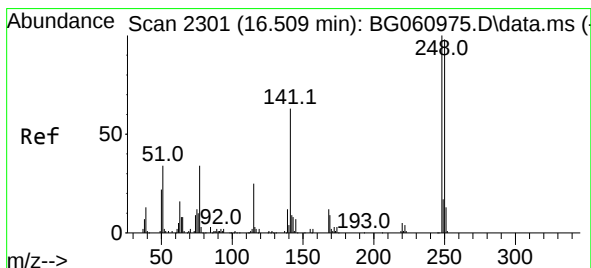
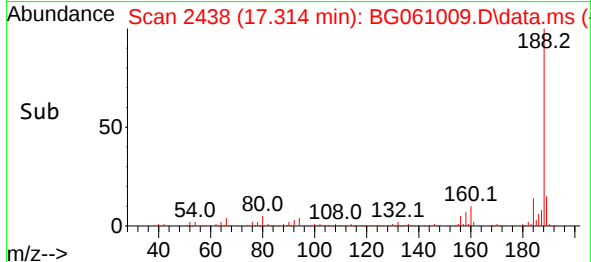
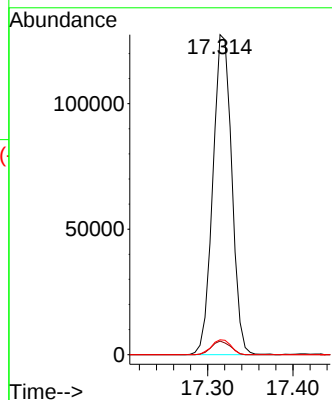
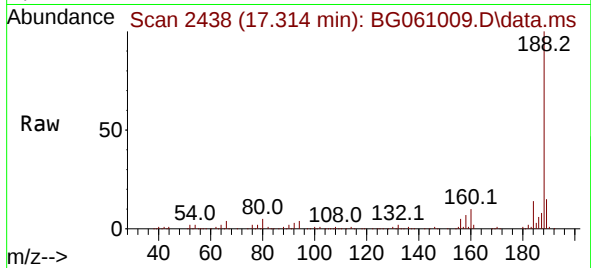




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.314 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

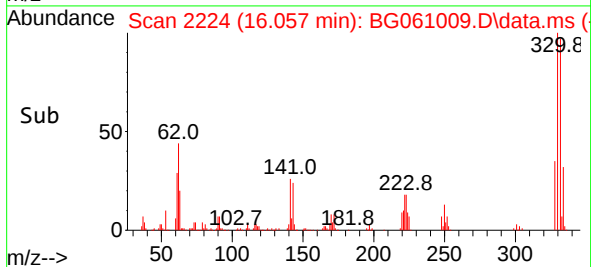
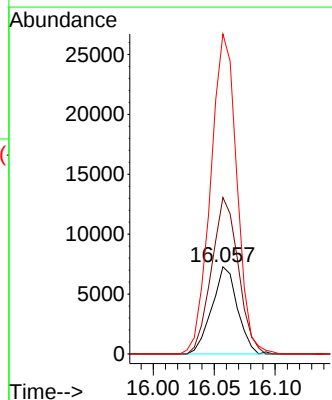
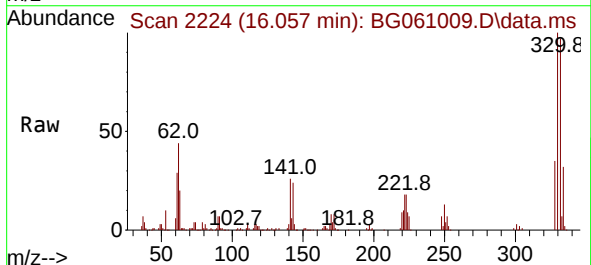
Instrument :
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ClientSampleId :
TOPSOIL-LKWD-DENALI-4

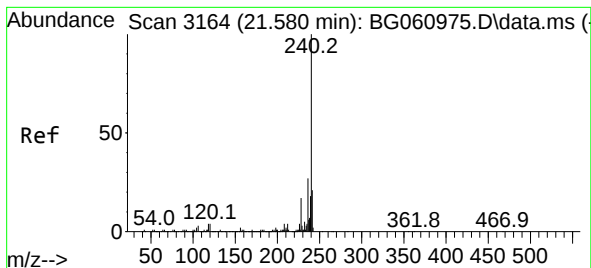
Tgt Ion:188 Resp: 196203
Ion Ratio Lower Upper
188 100
94 4.3 4.1 6.1
80 4.7 4.0 6.0



#67
4-Bromophenyl-phenylether
Concen: 4.097 ng
RT: 16.057 min Scan# 2224
Delta R.T. -0.452 min
Lab File: BG061009.D
Acq: 23 Apr 2024 15:51

Tgt Ion:248 Resp: 10608
Ion Ratio Lower Upper
248 100
250 179.4 78.7 118.1#
141 366.7 50.4 75.6#





#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

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-LKWD-DENALI-4

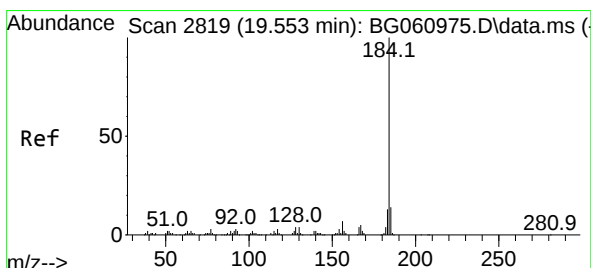
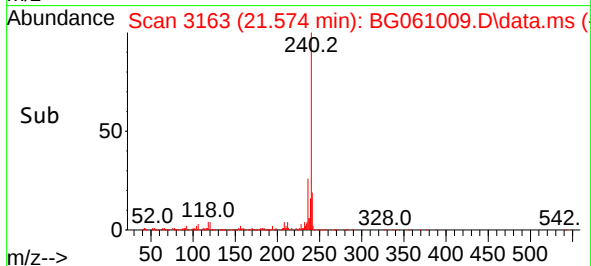
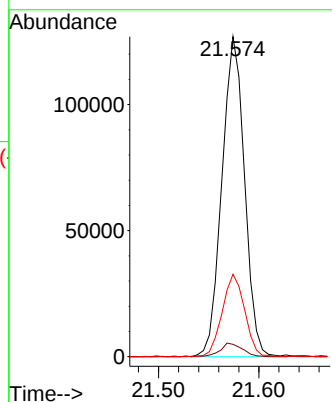
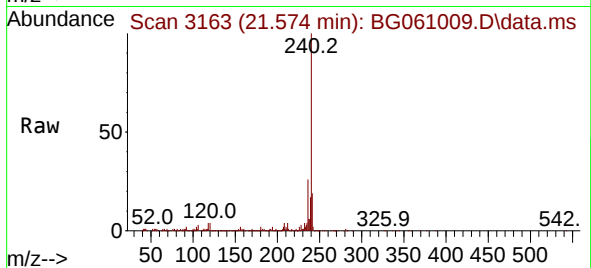
Tgt Ion:240 Resp: 198403

Ion Ratio Lower Upper

240 100

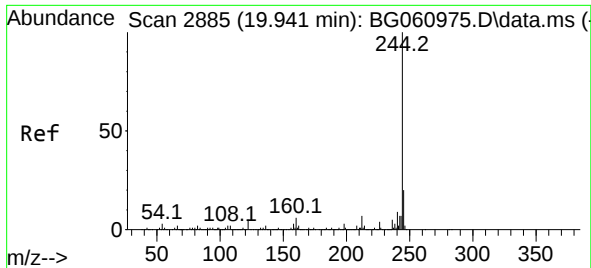
120 3.8 3.0 4.6

236 25.7 21.8 32.6



#77

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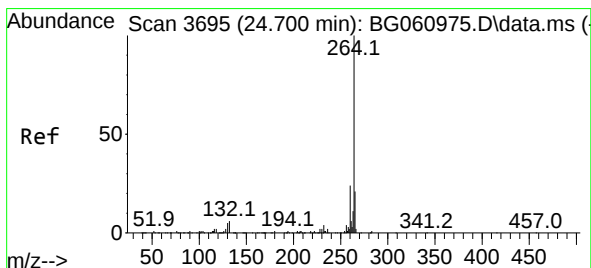
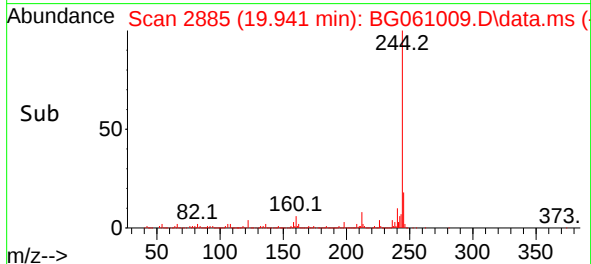
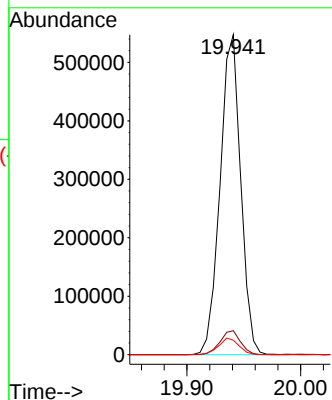
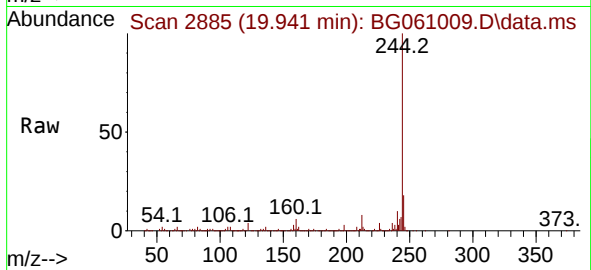


#79
 Terphenyl-d14
 Concen: 54.018 ng
 RT: 19.941 min Scan# 2885
 Delta R.T. 0.000 min
 Lab File: BG061009.D
 Acq: 23 Apr 2024 15:51

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

Tgt Ion:244 Resp: 690447

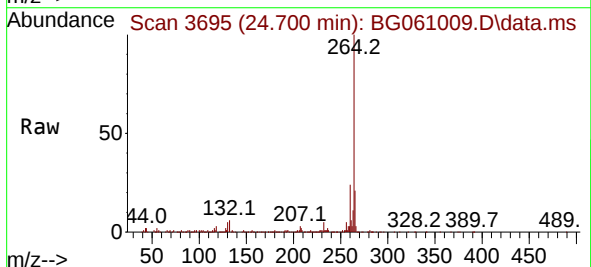
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	4.5	4.2	6.2

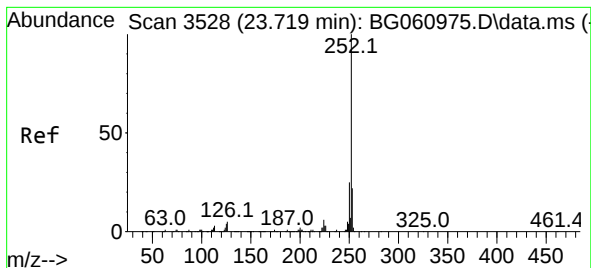


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.700 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: BG061009.D
 Acq: 23 Apr 2024 15:51

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

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-LKWD-DENALI-4

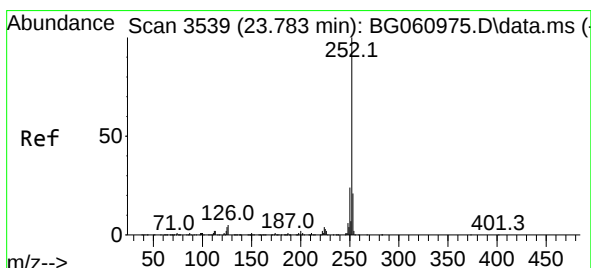
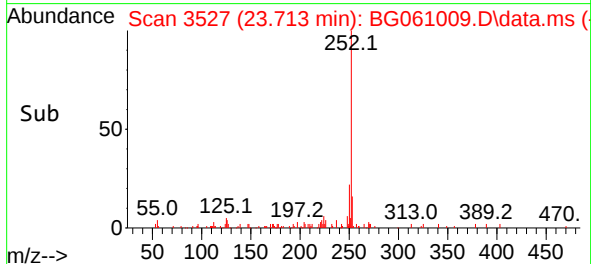
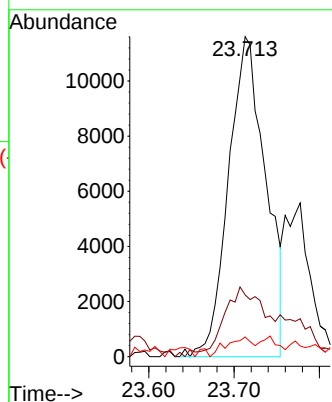
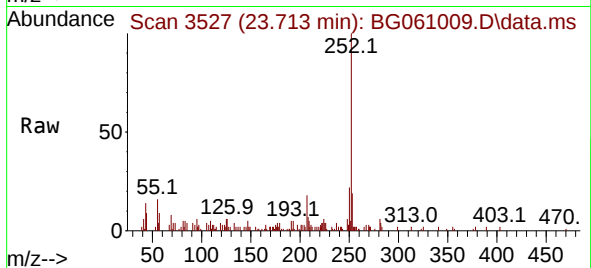
Tgt Ion:252 Resp: 35129

Ion Ratio Lower Upper

252 100

253 19.3 17.5 26.3

125 6.2 3.3 4.9#



#89

Benzo(k)fluoranthene

Concen: 2.587 ng