

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053739.D
 Acq On : 27 May 2022 18:52
 Operator : CG/JU
 Sample : N3062-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FS-SOIL-0526

Quant Time: May 28 01:59:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

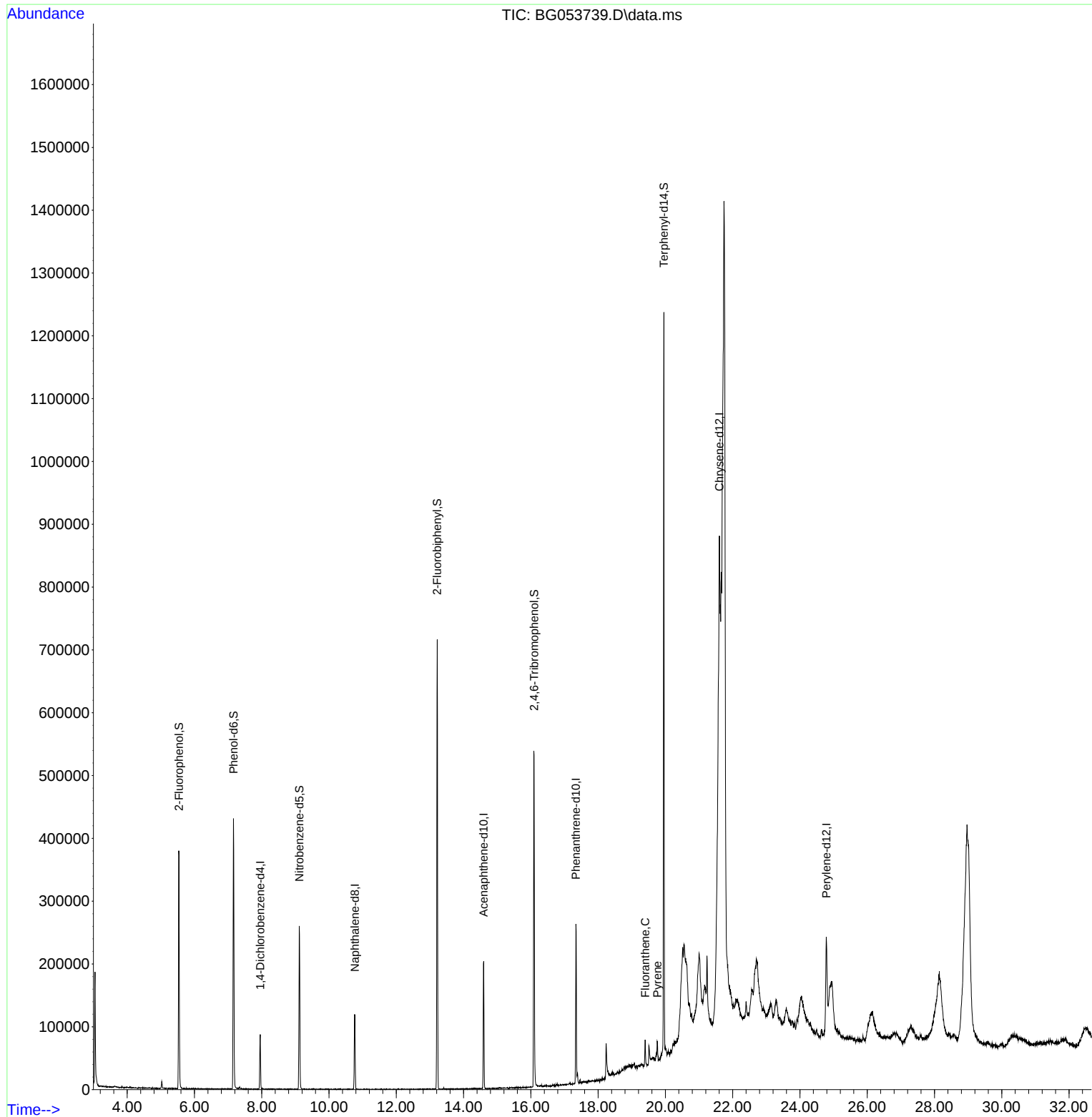
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.954	152	24006	20.000	ng	-0.03
21) Naphthalene-d8	10.767	136	96839	20.000	ng	-0.03
39) Acenaphthene-d10	14.597	164	73505	20.000	ng	-0.03
64) Phenanthrene-d10	17.341	188	159719	20.000	ng	-0.03
76) Chrysene-d12	21.606	240	134876	20.000	ng	-0.03
86) Perylene-d12	24.790	264	146261	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.539	112	154575	109.279	ng	-0.02
7) Phenol-d6	7.160	99	238657	111.173	ng	0.00
23) Nitrobenzene-d5	9.117	82	158282	69.578	ng	-0.04
42) 2,4,6-Tribromophenol	16.095	330	116143	107.132	ng	-0.02
45) 2-Fluorobiphenyl	13.217	172	371161	73.787	ng	-0.03
79) Terphenyl-d14	19.955	244	563741	77.846	ng	-0.02
Target Compounds						
75) Fluoranthene	19.403	202	25037	2.381	ng	99
78) Pyrene	19.761	202	20083	2.300	ng	99

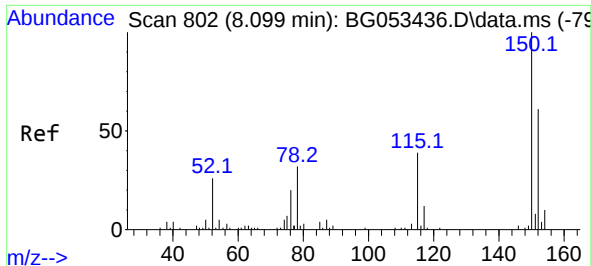
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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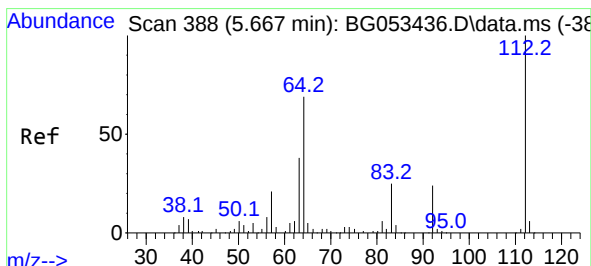
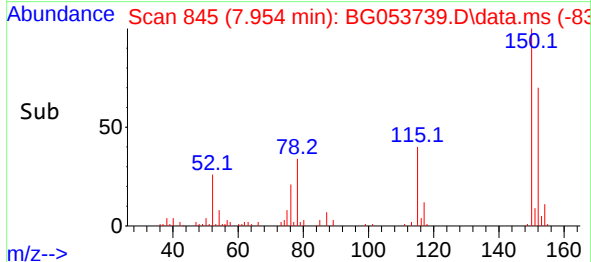
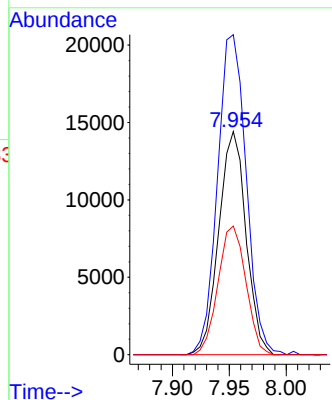
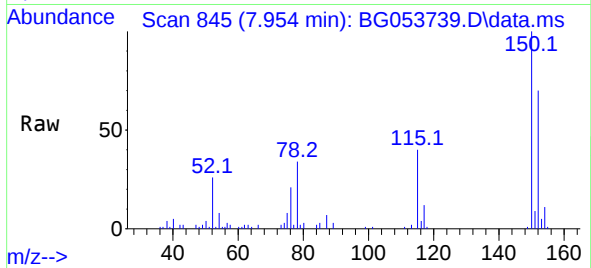




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.954 min Scan# 84
Delta R.T. -0.032 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

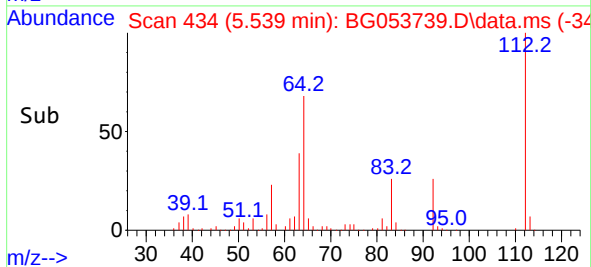
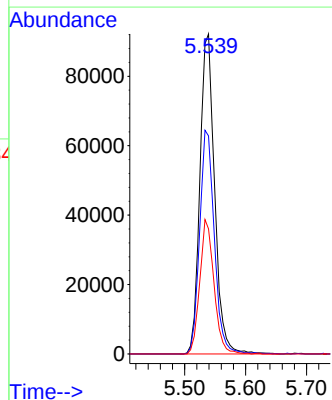
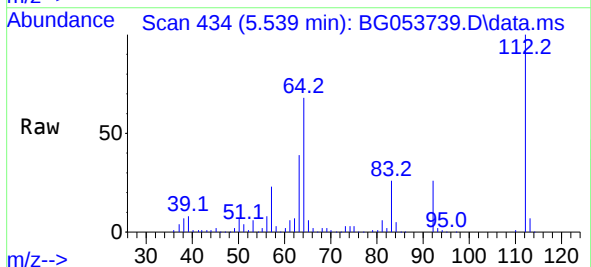
Instrument :
BNA_G
ClientSampleId :
FS-SOIL-0526

Tgt Ion:152 Resp: 24006
Ion Ratio Lower Upper
152 100
150 143.4 131.6 197.4
115 57.7 50.9 76.3



#5
2-Fluorophenol
Concen: 109.279 ng
RT: 5.539 min Scan# 434
Delta R.T. -0.015 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Tgt Ion:112 Resp: 154575
Ion Ratio Lower Upper
112 100
64 68.2 55.1 82.7
63 39.1 30.4 45.6

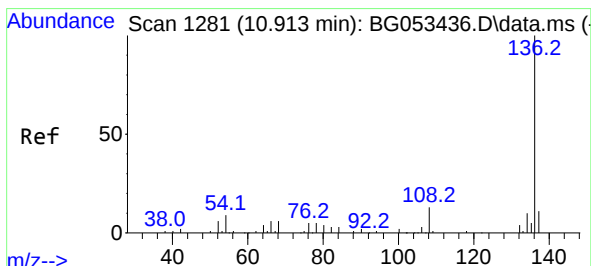
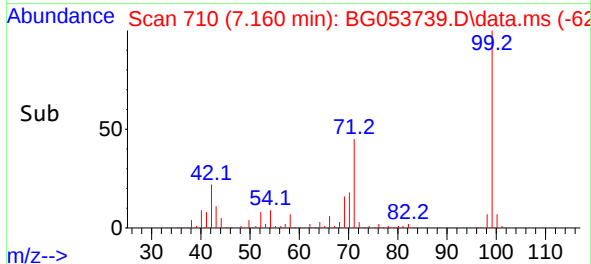
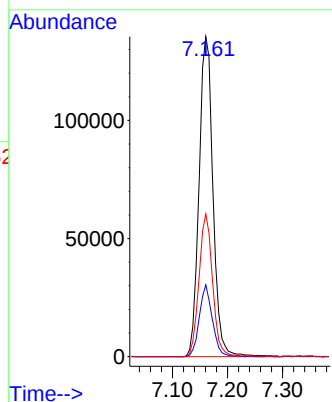
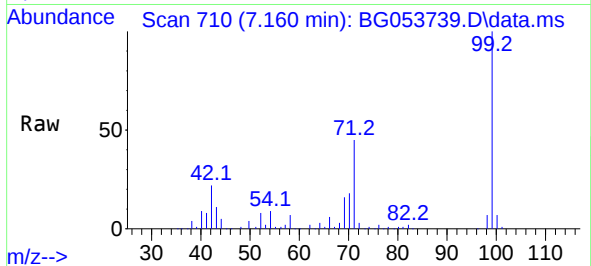




#7
Phenol-d6
Concen: 111.173 ng
RT: 7.160 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

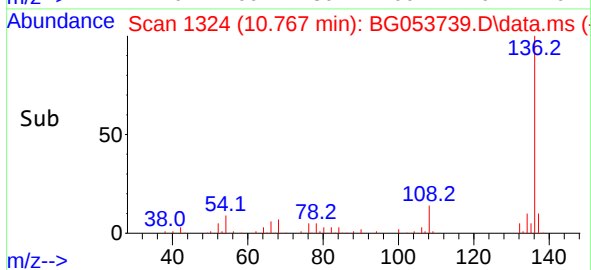
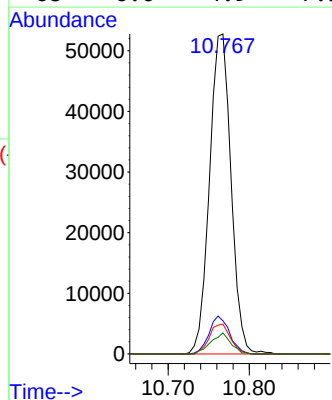
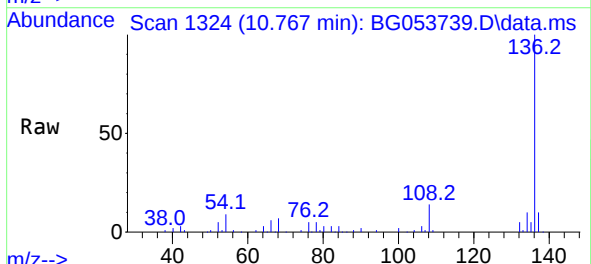
Instrument :
BNA_G
ClientSampleId :
FS-SOIL-0526

Tgt Ion: 99 Resp: 238657
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 44.6 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.767 min Scan# 1324
Delta R.T. -0.033 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Tgt Ion: 136 Resp: 96839
Ion Ratio Lower Upper
136 100
137 10.3 8.5 12.7
54 9.3 7.4 11.2
68 6.6 4.9 7.3

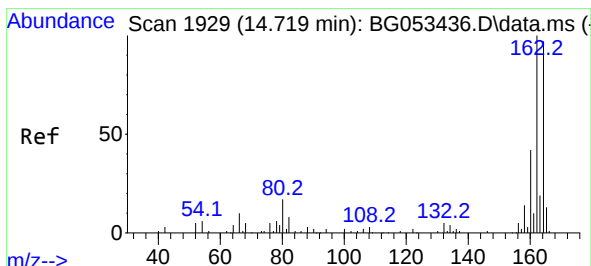
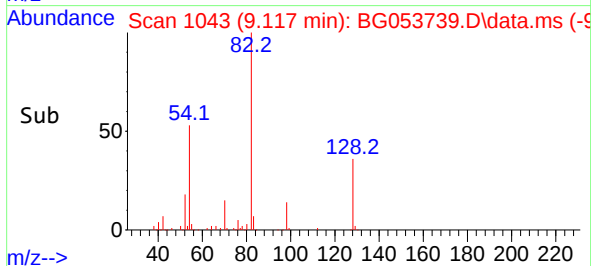
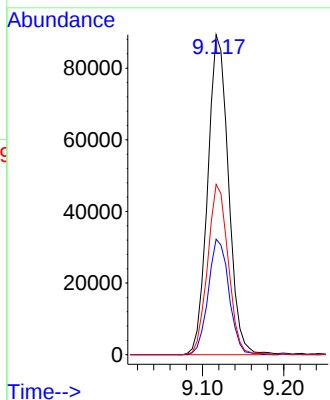
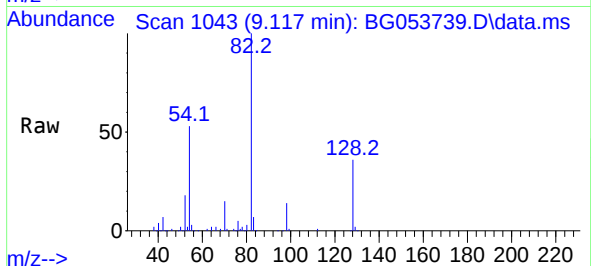




#23
Nitrobenzene-d5
Concen: 69.578 ng
RT: 9.117 min Scan# 10
Delta R.T. -0.039 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

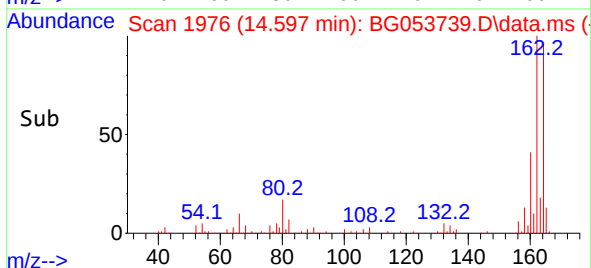
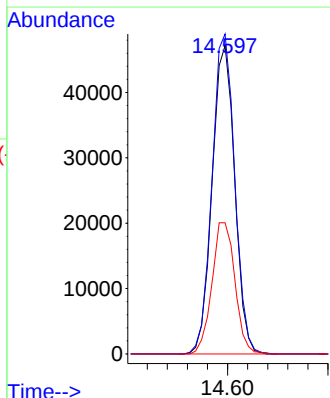
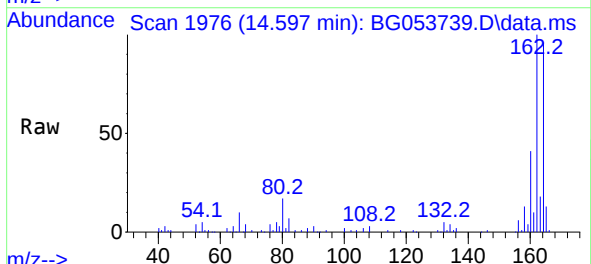
Instrument :
BNA_G
ClientSampleId :
FS-SOIL-0526

Tgt Ion: 82 Resp: 158282
Ion Ratio Lower Upper
82 100
128 36.1 27.9 41.9
54 53.2 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.597 min Scan# 1976
Delta R.T. -0.027 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Tgt Ion: 164 Resp: 73505
Ion Ratio Lower Upper
164 100
162 103.8 82.3 123.5
160 42.6 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 107.132 ng

RT: 16.095 min Scan# 21

Delta R.T. -0.021 min

Lab File: BG053739.D

Acq: 27 May 2022 18:52

Instrument :

BNA_G

ClientSampleId :

FS-SOIL-0526

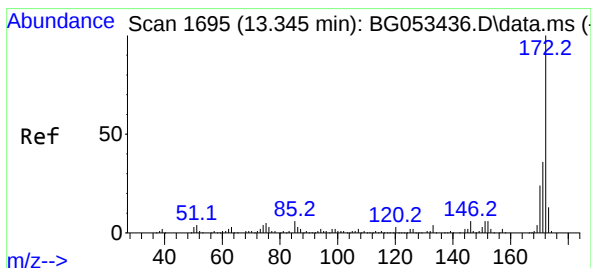
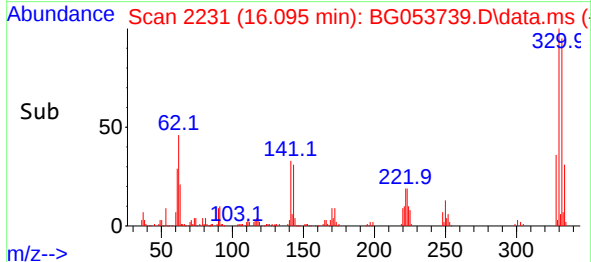
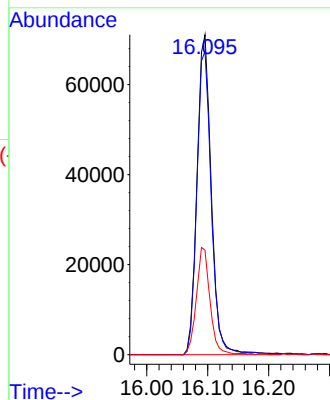
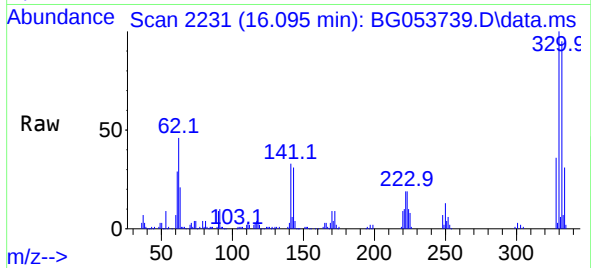
Tgt Ion:330 Resp: 116143

Ion Ratio Lower Upper

330 100

332 95.4 76.0 114.0

141 31.8 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 73.787 ng

RT: 13.217 min Scan# 1741

Delta R.T. -0.027 min

Lab File: BG053739.D

Acq: 27 May 2022 18:52

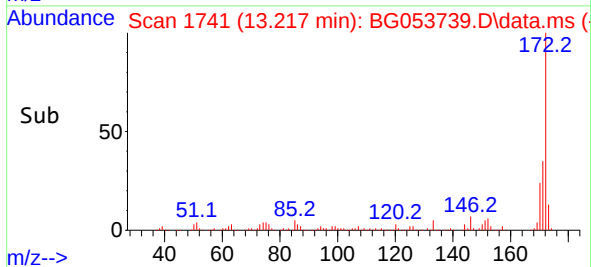
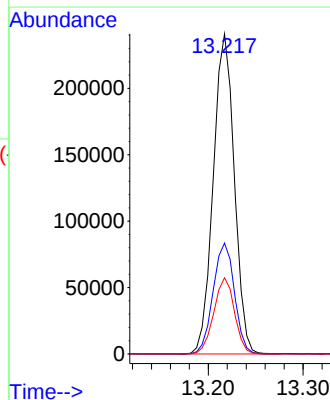
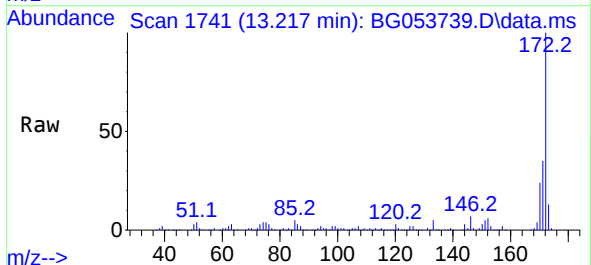
Tgt Ion:172 Resp: 371161

Ion Ratio Lower Upper

172 100

171 34.6 28.5 42.7

170 23.8 18.9 28.3

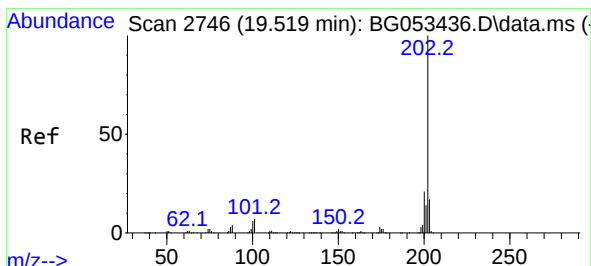
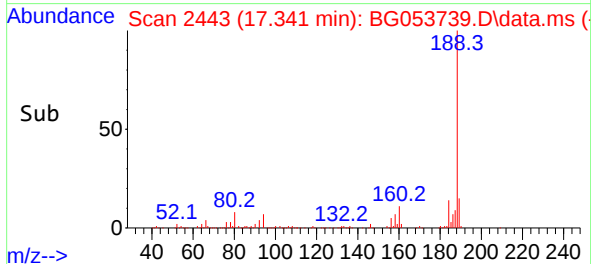
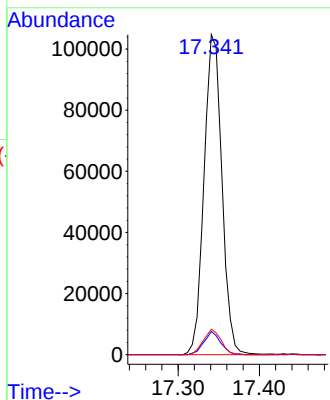
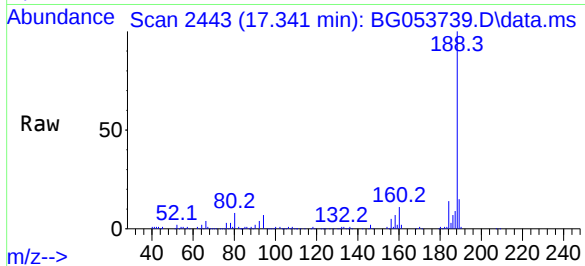




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.341 min Scan# 24
Delta R.T. -0.033 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

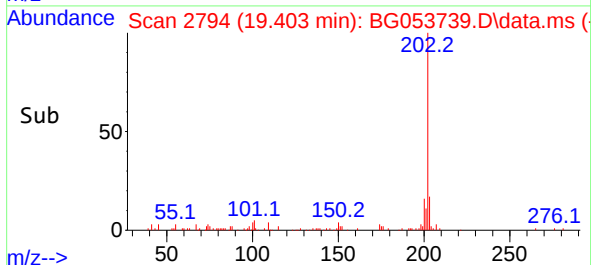
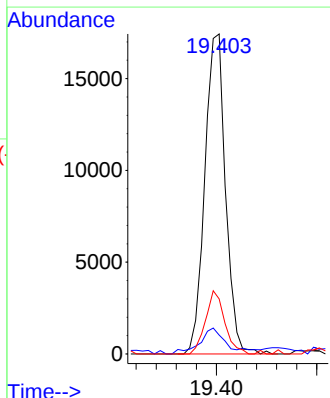
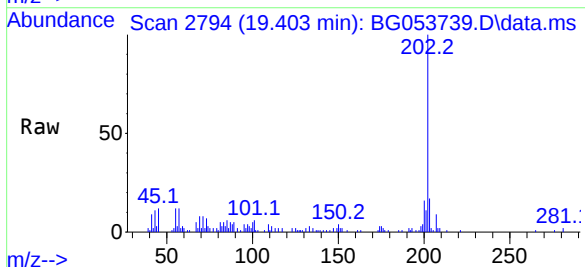
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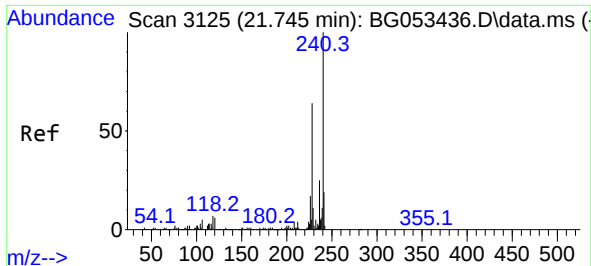
Tgt Ion:188 Resp: 159719
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.0
80 8.0 6.8 10.2



#75
Fluoranthene
Concen: 2.381 ng
RT: 19.403 min Scan# 2794
Delta R.T. -0.021 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Tgt Ion:202 Resp: 25037
Ion Ratio Lower Upper
202 100
101 5.9 0.0 26.9
203 17.2 0.0 37.2

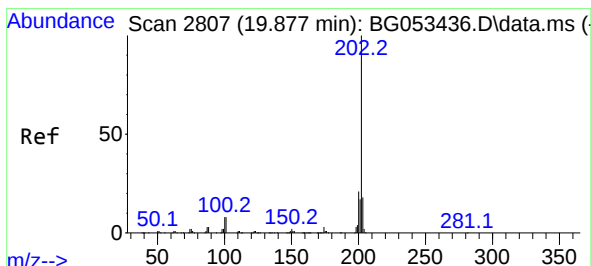
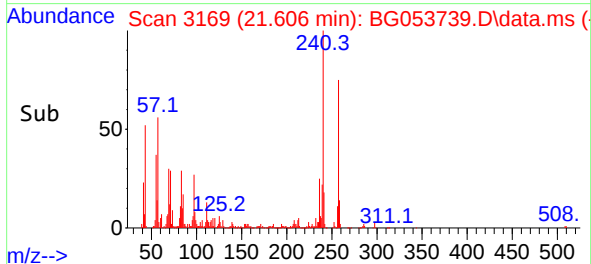
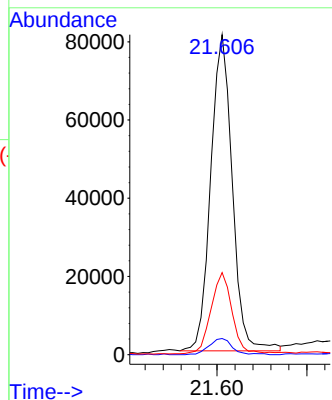
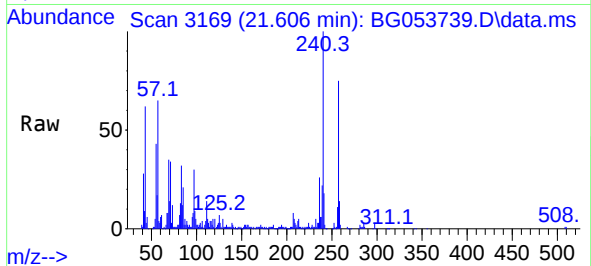




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.606 min Scan# 31
Delta R.T. -0.033 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

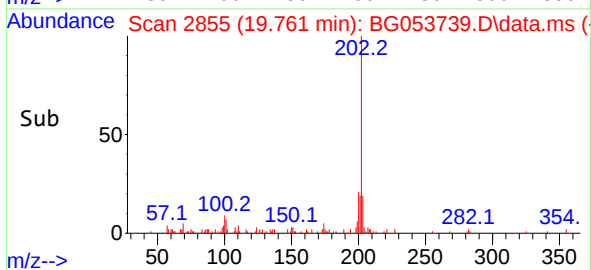
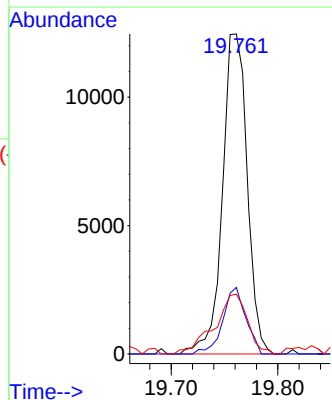
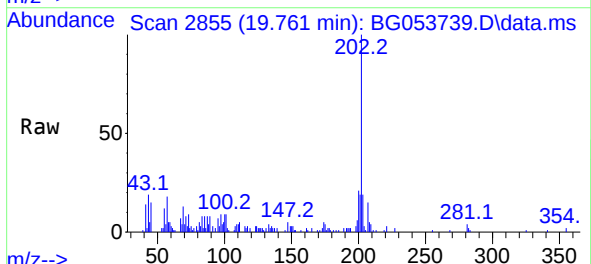
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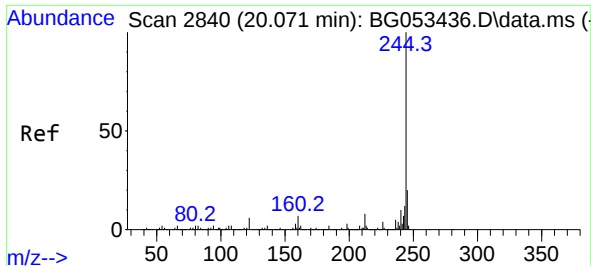
Tgt Ion:240 Resp: 134876
Ion Ratio Lower Upper
240 100
120 5.1 4.6 7.0
236 25.7 20.2 30.4



#78
Pyrene
Concen: 2.300 ng
RT: 19.761 min Scan# 2855
Delta R.T. -0.027 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Tgt Ion:202 Resp: 20083
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 18.7 14.6 21.8

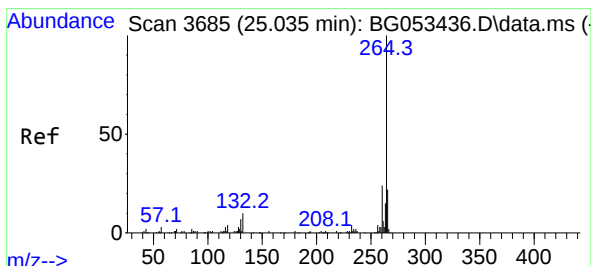
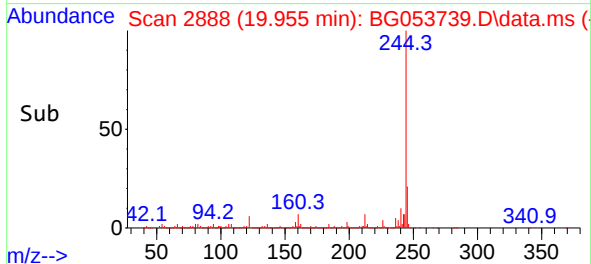
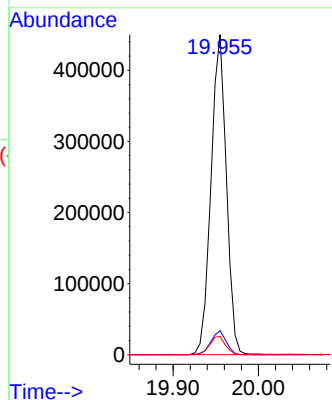
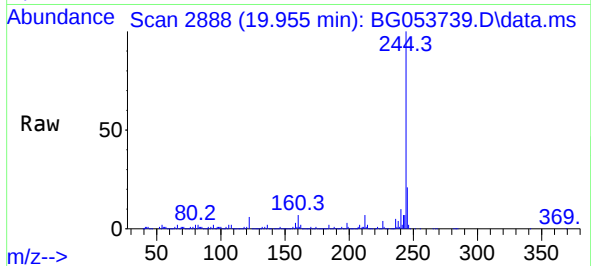




#79
Terphenyl-d14
Concen: 77.846 ng
RT: 19.955 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Instrument :
BNA_G
ClientSampleId :
FS-SOIL-0526

Tgt Ion:244 Resp: 563741
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 5.7 5.0 7.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.790 min Scan# 3711
Delta R.T. -0.050 min
Lab File: BG053739.D
Acq: 27 May 2022 18:52

Tgt Ion:264 Resp: 146261
Ion Ratio Lower Upper
264 100
260 22.5 19.0 28.6
265 21.3 17.4 26.2

