

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045037.D
 Acq On : 17 Apr 2020 17:46
 Operator : CG/JU
 Sample : L2298-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Apr 17 18:41:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	48161	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	207186	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	164323	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	417839	20.00	ng	0.00
76) Chrysene-d12	21.66	240	404551	20.00	ng	0.00
87) Perylene-d12	24.85	264	404145	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	528144	181.05	ng	0.00
7) Phenol-d6	7.18	99	758081	174.91	ng	0.00
23) Nitrobenzene-d5	9.18	82	547816	120.65	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	500806	197.28	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1369238	122.18	ng	0.00
79) Terphenyl-d14	20.01	244	2439848	131.45	ng	0.00

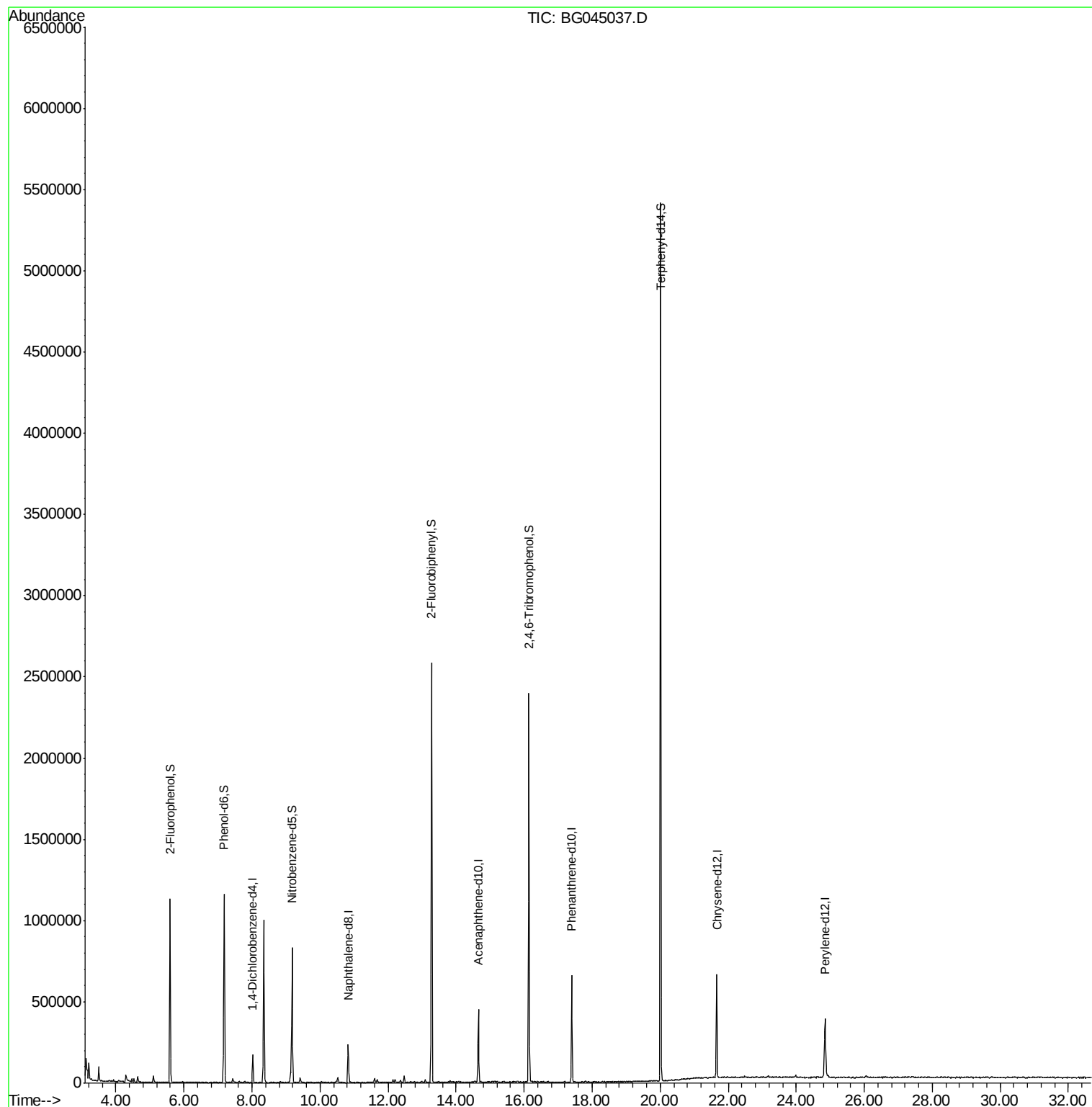
Target Compounds Qvalue

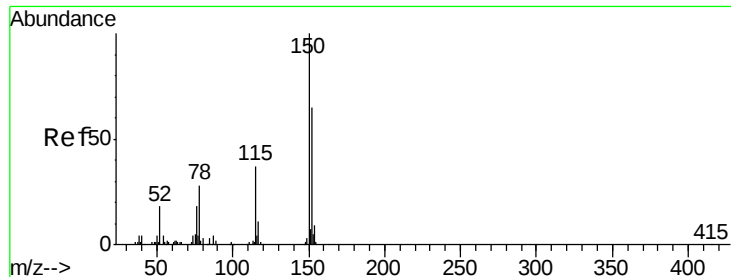
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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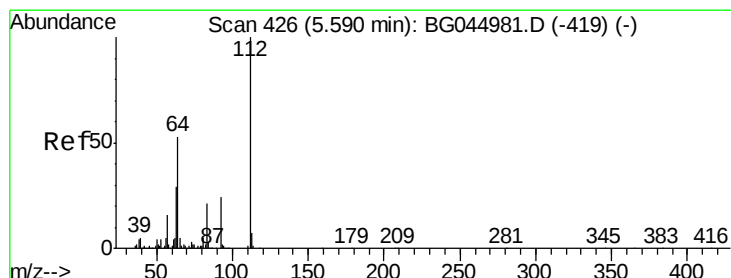
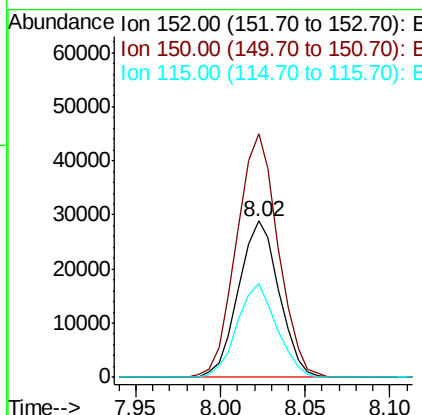
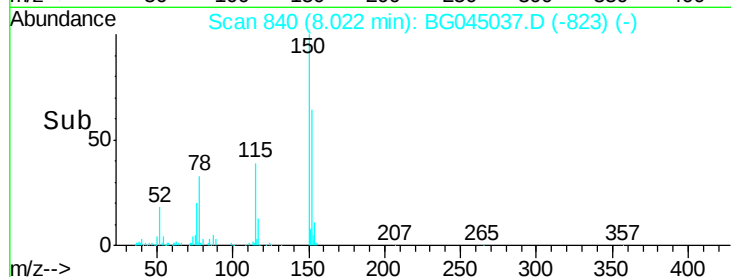
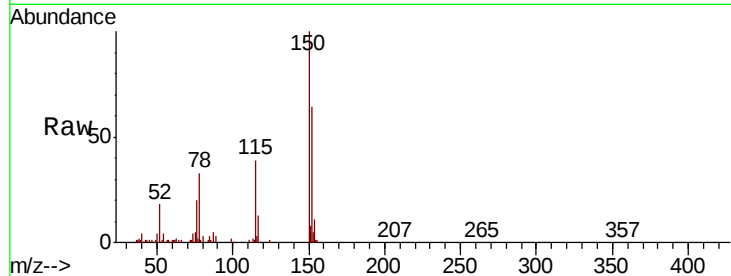




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BG045037.D
 Acq: 17 Apr 2020 17:46

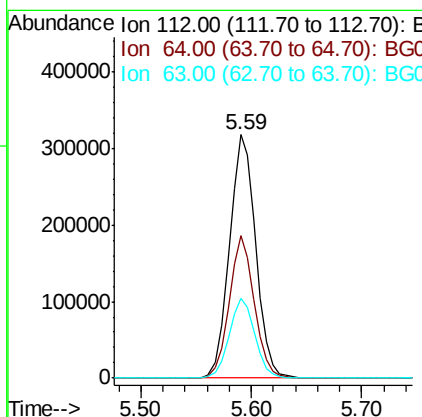
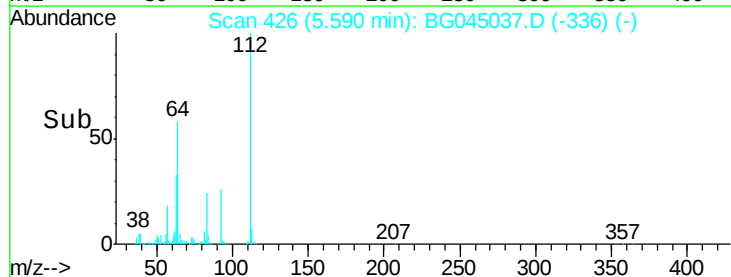
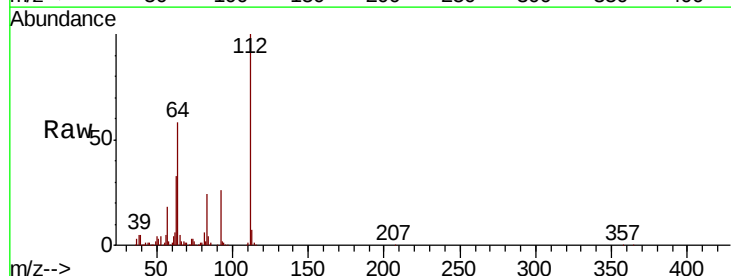
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

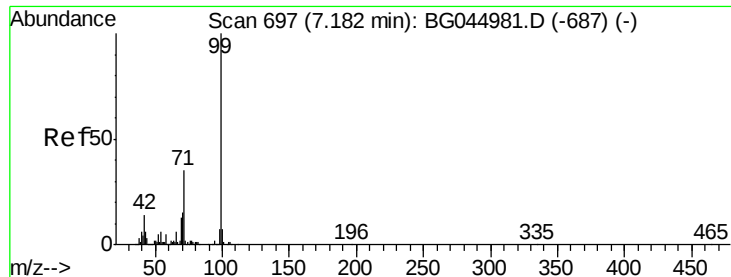
Tot Ion:152 Resp: 48161
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.6 185.4
 115 60.1 49.1 73.7



#5
 2-Fluorophenol
 Concen: 181.046 ng
 RT: 5.59 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BG045037.D
 Acq: 17 Apr 2020 17:46

Tgt Ion:112 Resp: 528144
 Ion Ratio Lower Upper
 112 100
 64 58.3 42.4 63.6
 63 33.0 23.1 34.7





#7

Phenol-d6

Concen: 174.907 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

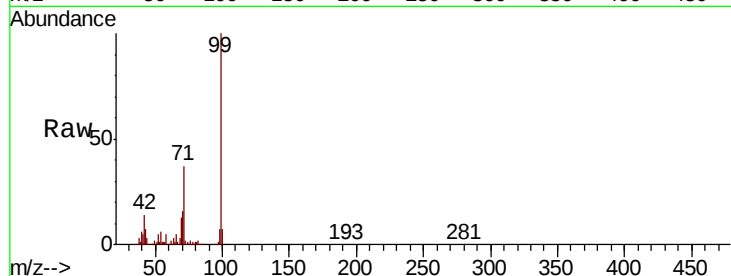
Tot Ion: 99 Resp: 758081

Ion Ratio Lower Upper

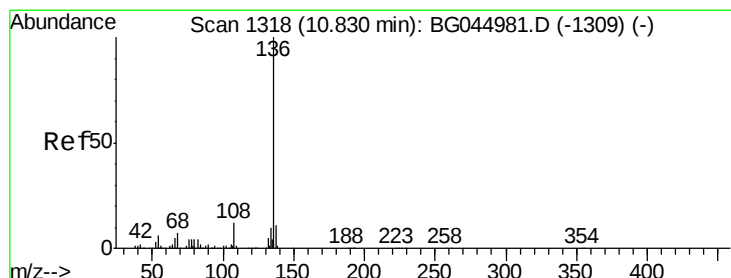
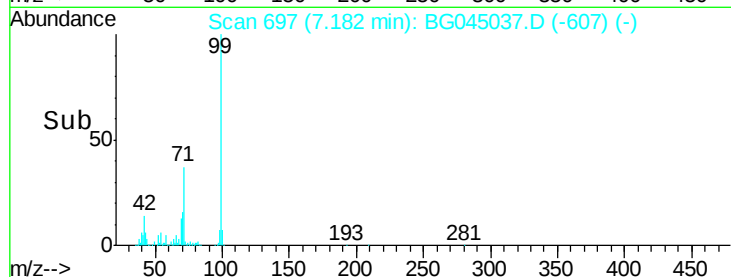
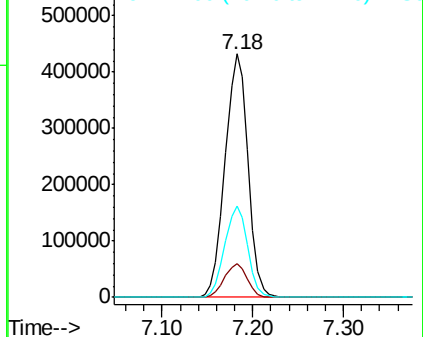
99 100

42 14.0 11.3 16.9

71 37.4 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Tgt Ion: 136 Resp: 207186

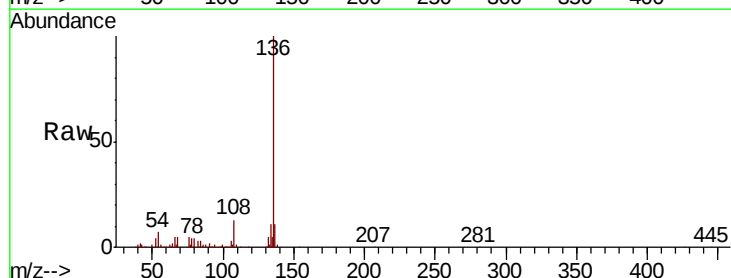
Ion Ratio Lower Upper

136 100

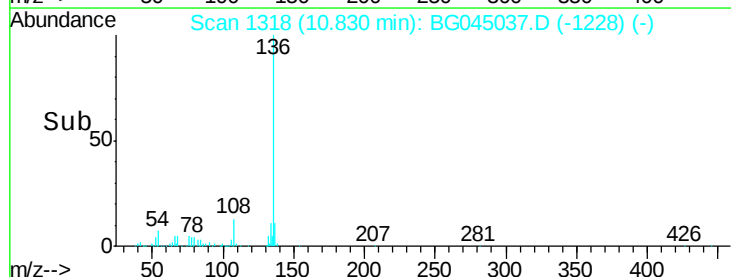
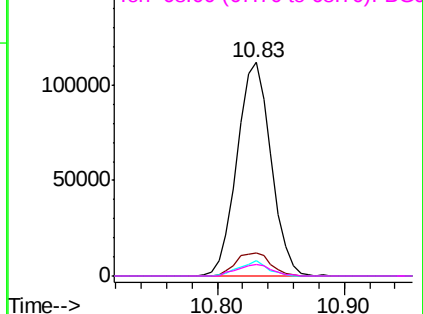
137 10.9 8.6 13.0

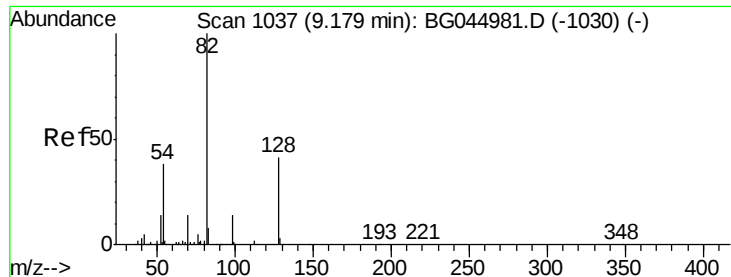
54 7.3 4.8 7.2#

68 5.2 5.2 7.8#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

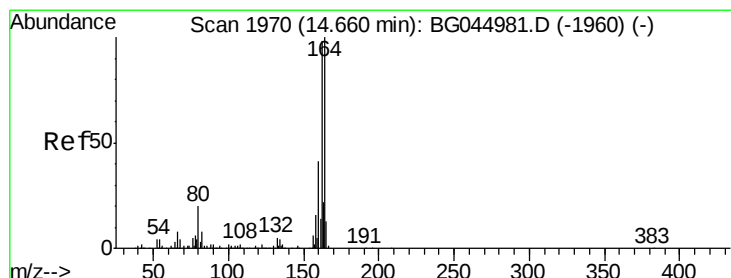
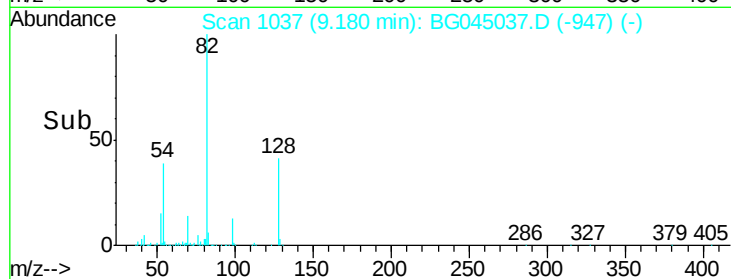
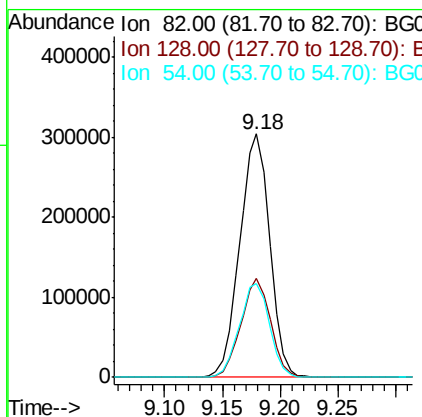
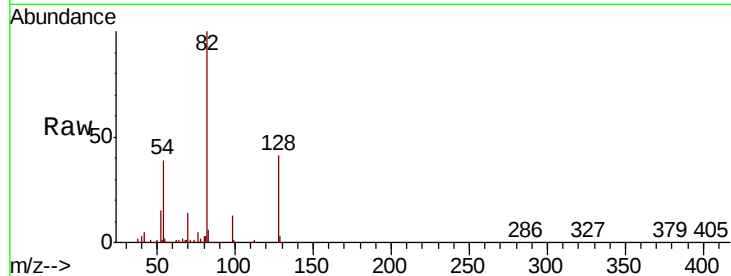




#23
 Nitrobenzene-d5
 Concen: 120.646 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: BG045037.D
 Acq: 17 Apr 2020 17:46

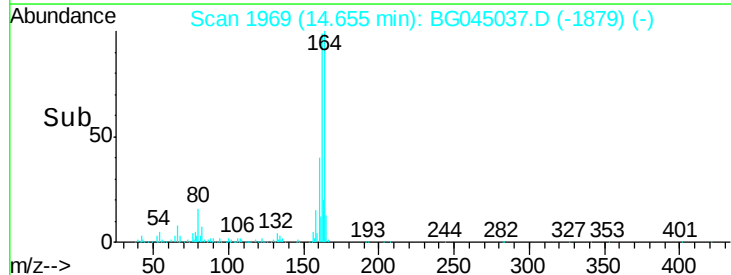
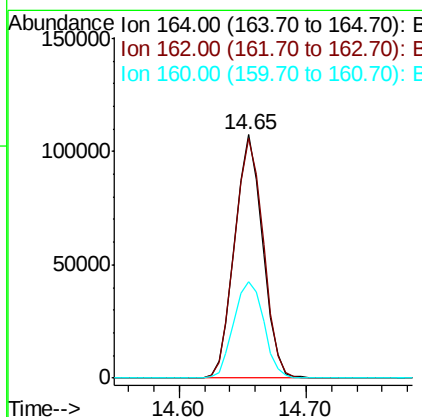
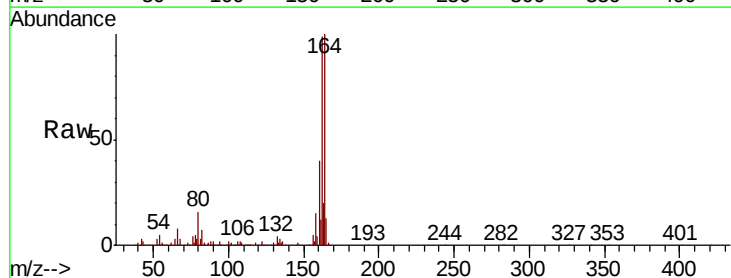
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

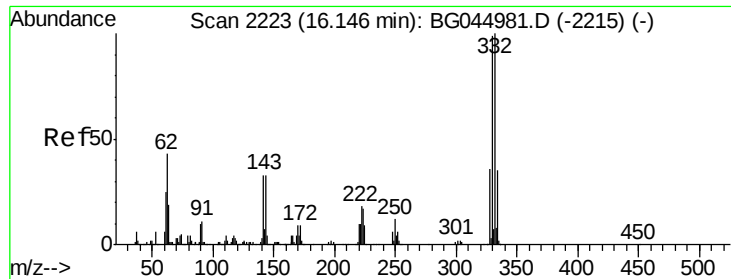
Tot Ion	82	Resp	547816
Ion Ratio	Lower	Upper	
82	100		
128	40.6	33.0	49.4
54	38.7	30.4	45.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: BG045037.D
 Acq: 17 Apr 2020 17:46

Tgt Ion	164	Resp	164323
Ion Ratio	Lower	Upper	
164	100		
162	98.5	78.7	118.1
160	39.7	32.8	49.2

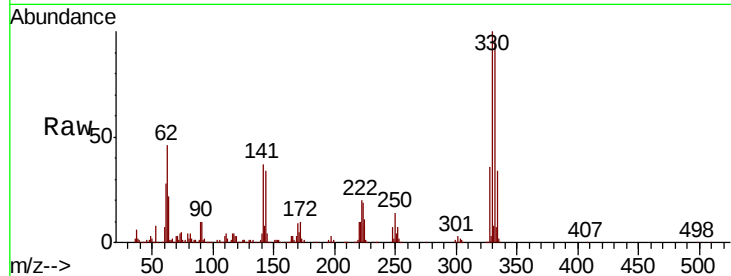




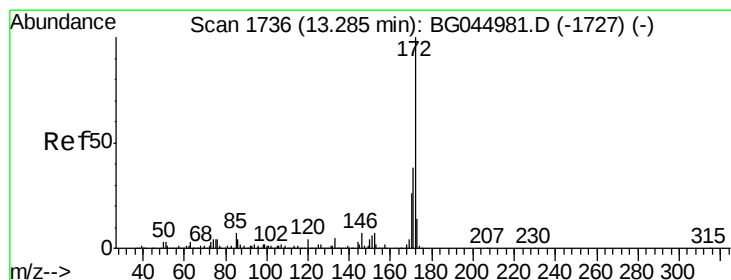
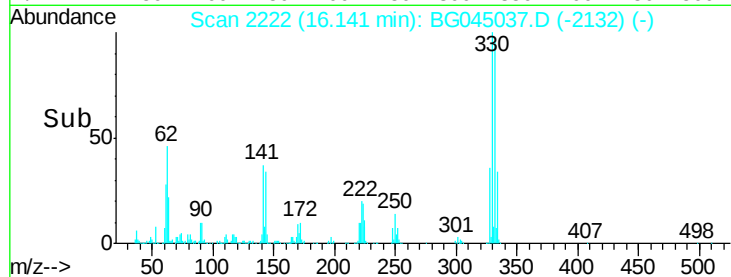
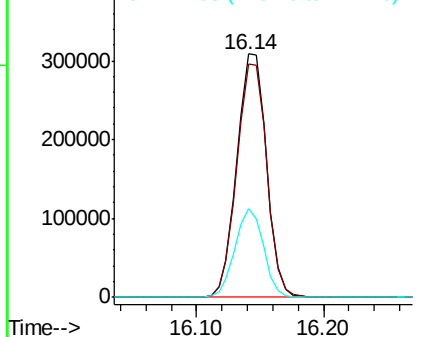
#42
 2,4,6-Tribromophenol
 Concen: 197.278 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG045037.D
 Acq: 17 Apr 2020 17:46

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	79.1	118.7
141	35.2	27.1	40.7

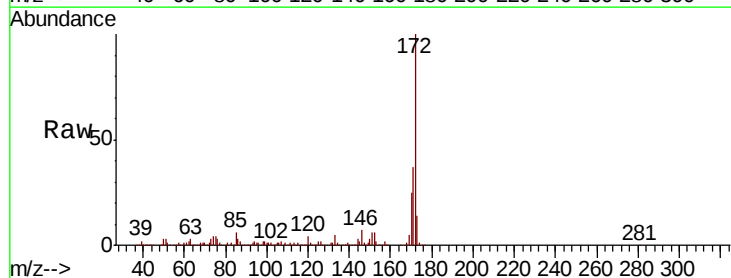


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

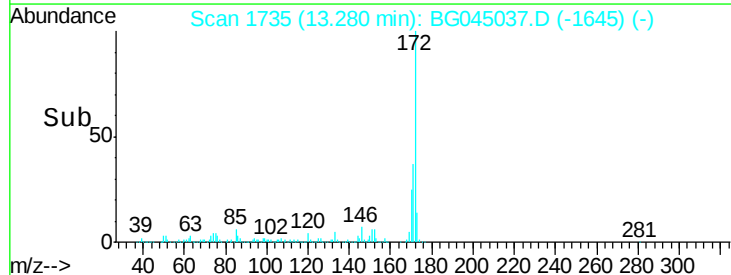
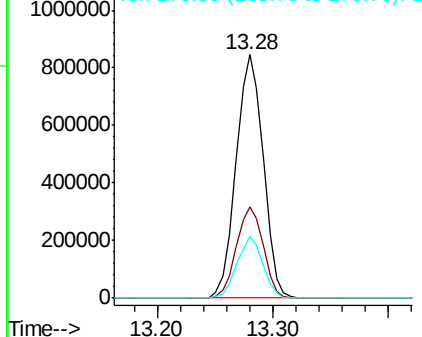


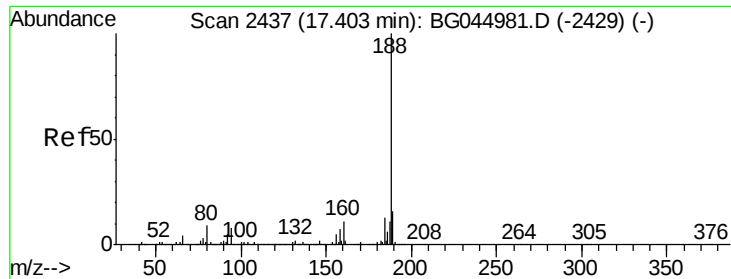
#45
 2-Fluorobiphenyl
 Concen: 122.182 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045037.D
 Acq: 17 Apr 2020 17:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.6	46.0
170	25.4	20.5	30.7



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

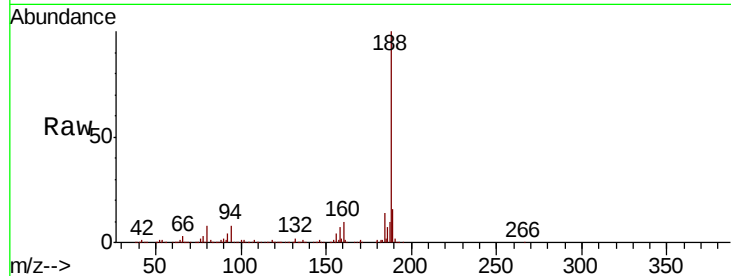
Tot Ion:188 Resp: 417839

Ion Ratio Lower Upper

188 100

94 7.5 6.2 9.4

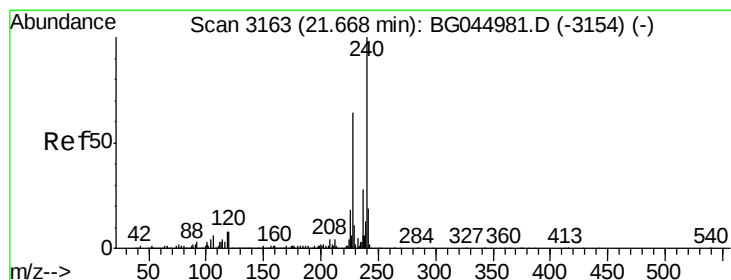
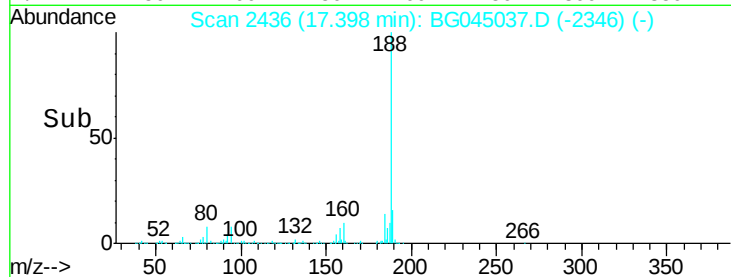
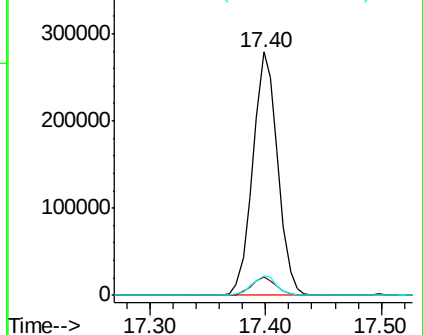
80 7.9 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

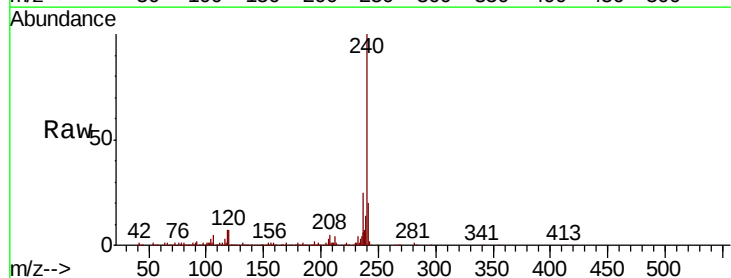
Tgt Ion:240 Resp: 404551

Ion Ratio Lower Upper

240 100

120 7.1 6.6 10.0

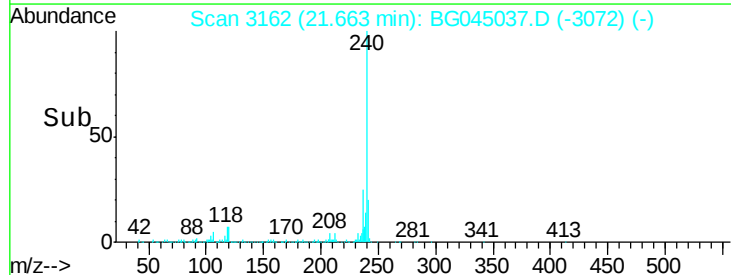
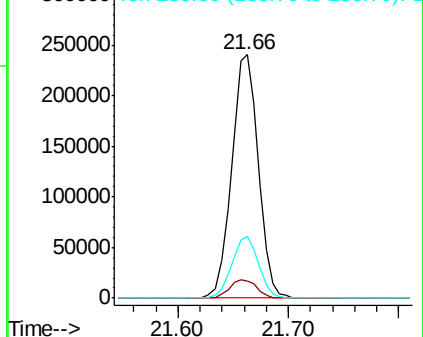
236 25.4 22.2 33.2

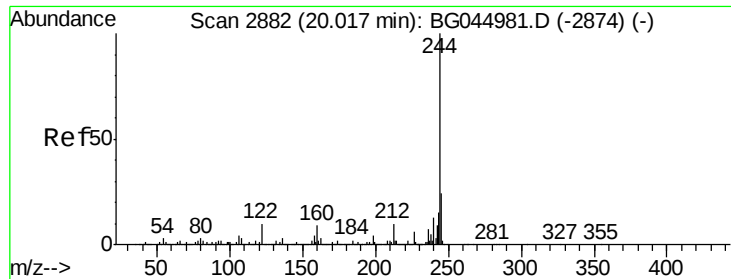


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 131.450 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

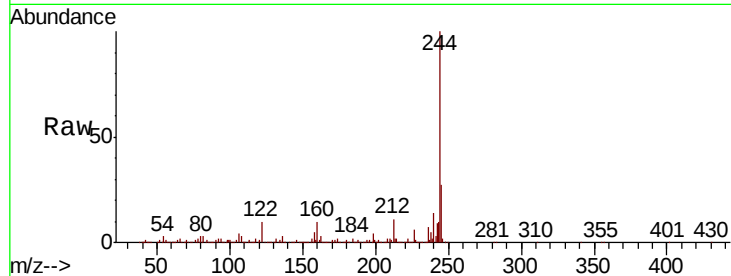
Tot Ion:244 Resp: 2439848

Ion Ratio Lower Upper

244 100

212 10.6 7.9 11.9

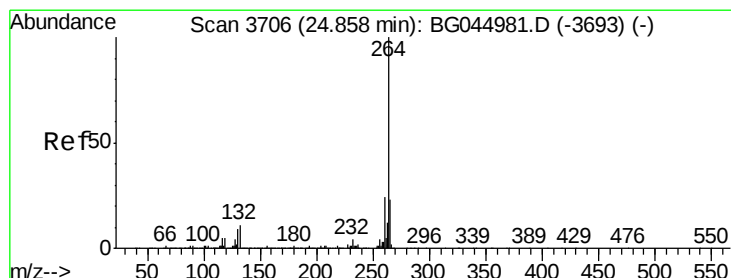
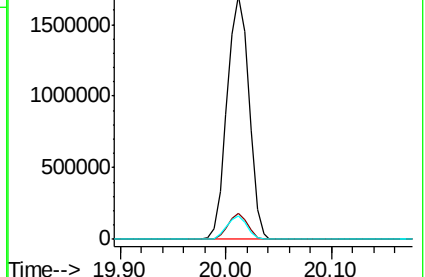
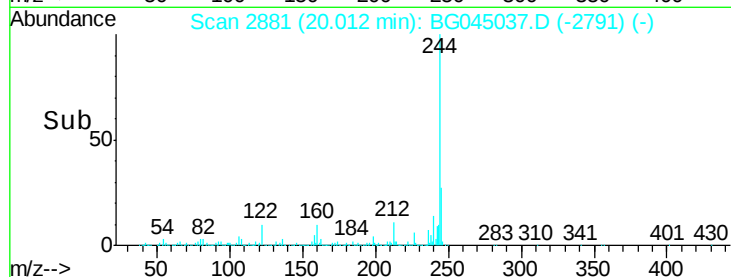
122 9.8 7.7 11.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.01 min

Lab File: BG045037.D

Acq: 17 Apr 2020 17:46

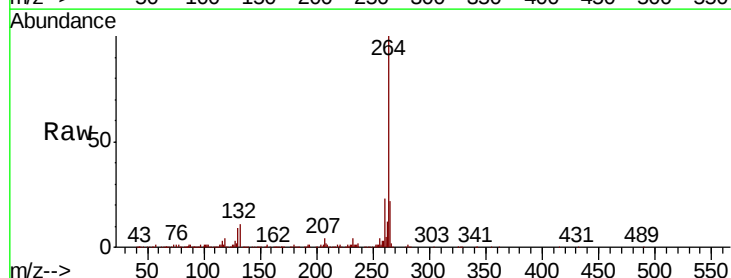
Tgt Ion:264 Resp: 404145

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.7 19.0 28.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

