

Data Path : Z:\HPCHEM1\BNA G\DATA\BG013118\
 Data File : BG032480.D
 Acq On : 1 Feb 2018 1:32
 Operator : SJ/JU
 Sample : J1386-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Feb 01 04:43:06 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	24025	20.00	ng	0.00
21) Naphthalene-d8	11.59	136	96522	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	69518	20.00	ng	0.00
63) Phenanthrene-d10	18.08	188	202444	20.00	ng	0.00
75) Chrysene-d12	22.41	240	278132	20.00	ng	0.00
86) Perylene-d12	26.08	264	296973	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	177052	148.02	ng	0.00
7) Phenol-d6	7.83	99	201797	126.43	ng	0.00
23) Nitrobenzene-d5	9.91	82	151578	98.09	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	227262	171.74	ng	0.00
44) 2-Fluorobiphenyl	13.97	172	563257	96.30	ng	-0.02
78) Terphenyl-d14	20.62	244	1353544	104.25	ng	0.00

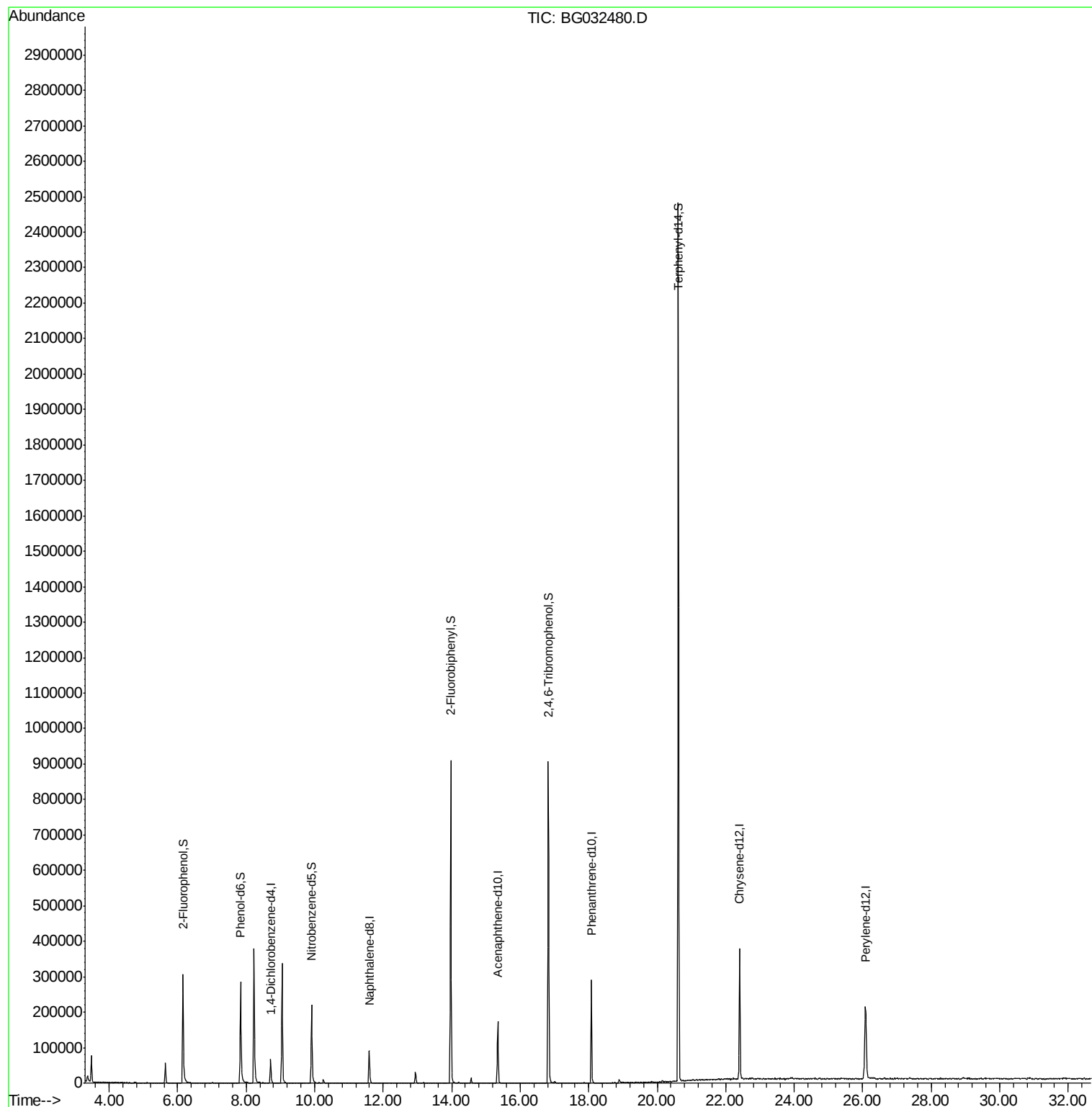
Target Compounds Qvalue

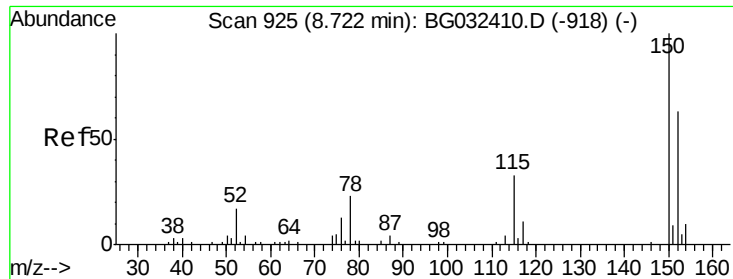
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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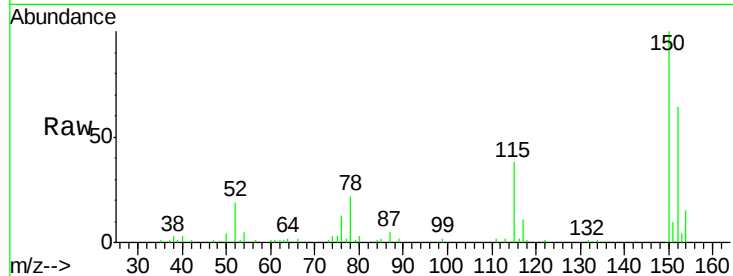


#1

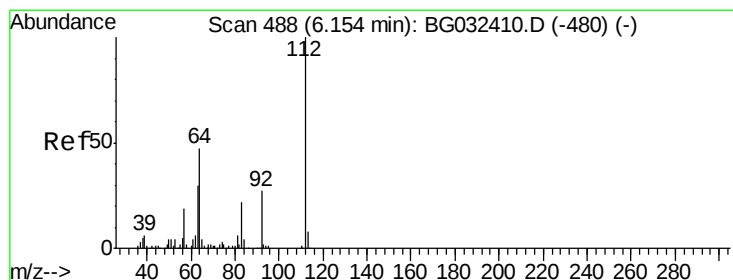
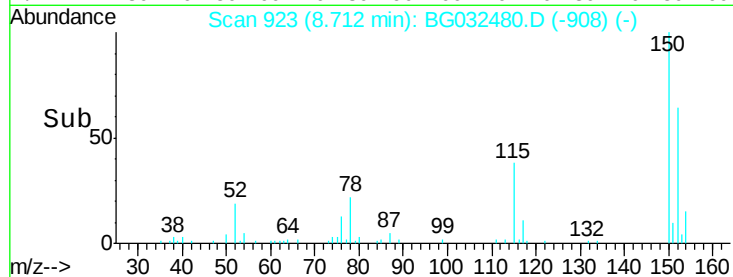
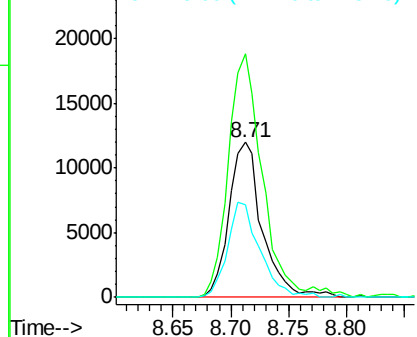
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS

Tot Ion:152 Resp: 24025
Ion Ratio Lower Upper
152 100
150 157.3 126.6 189.8
115 59.4 53.0 79.4



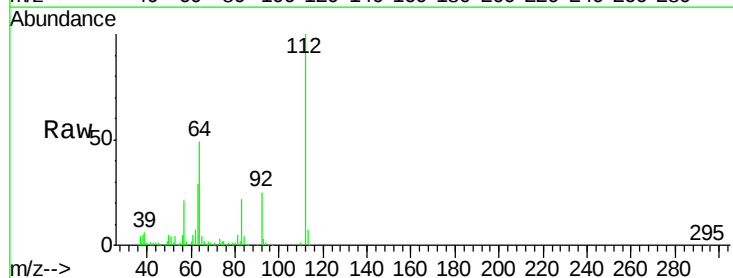
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



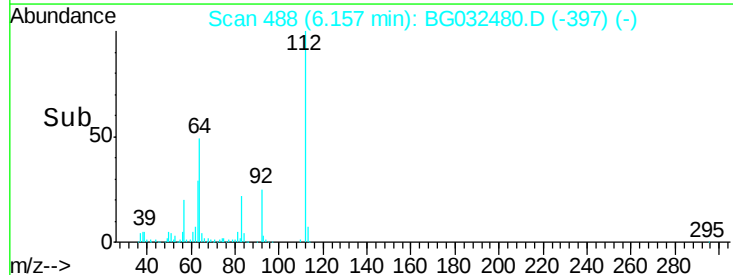
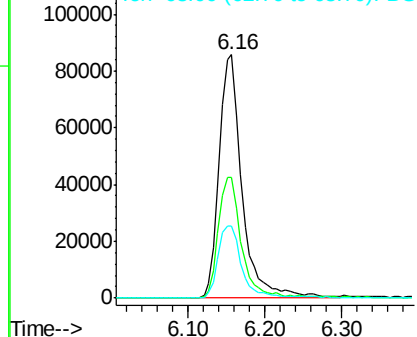
#5

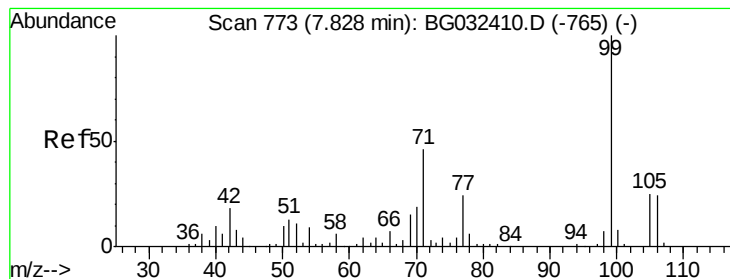
2-Fluorophenol
Concen: 148.020 ng
RT: 6.16 min Scan# 488
Delta R.T. 0.00 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

Tgt Ion:112 Resp: 177052
Ion Ratio Lower Upper
112 100
64 49.3 56.3 84.5#
63 29.5 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 126.428 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032480.D

Acq: 1 Feb 2018 1:32

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

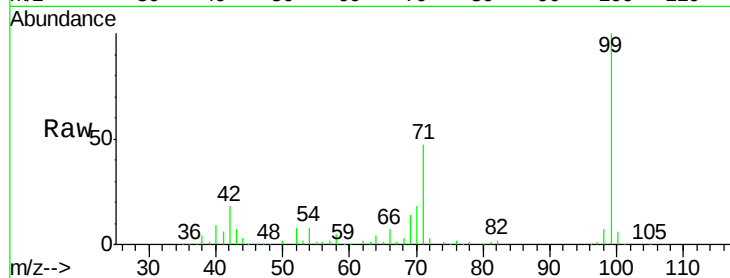
Tot Ion: 99 Resp: 201797

Ion Ratio Lower Upper

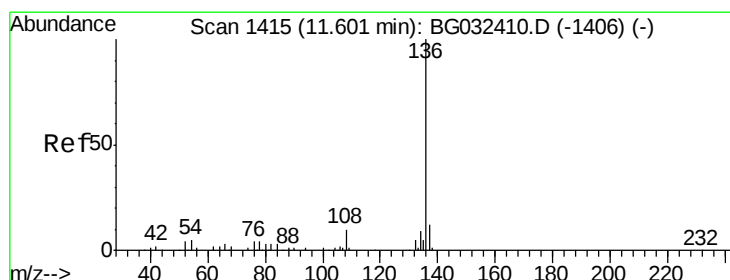
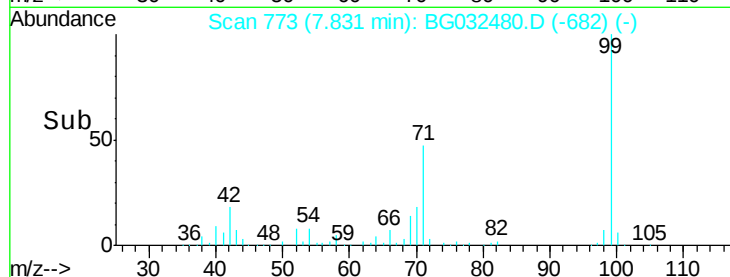
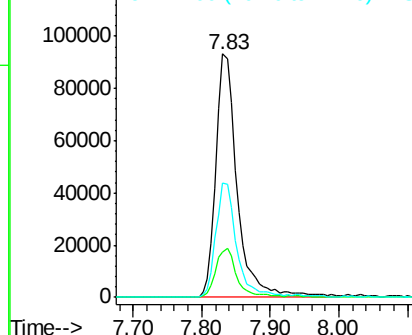
99 100

42 18.3 14.1 21.1

71 46.8 26.1 39.1#



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: 11.59 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG032480.D

Acq: 1 Feb 2018 1:32

Tgt Ion: 136 Resp: 96522

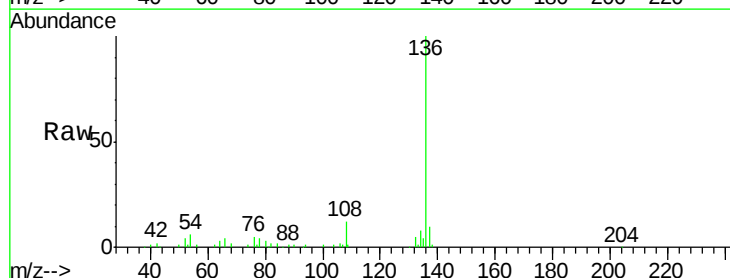
Ion Ratio Lower Upper

136 100

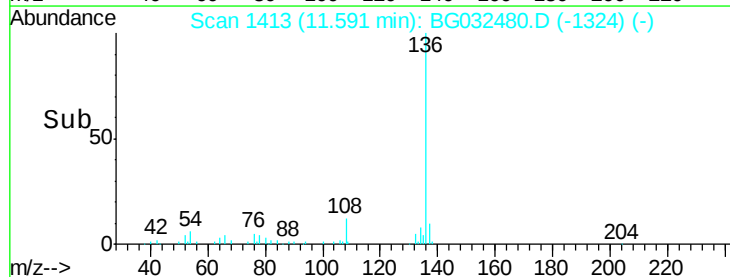
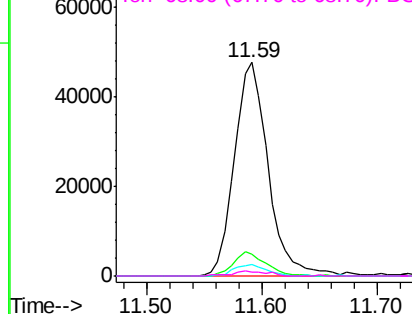
137 10.1 9.2 13.8

54 5.5 10.3 15.5#

68 1.7 4.5 6.7#



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

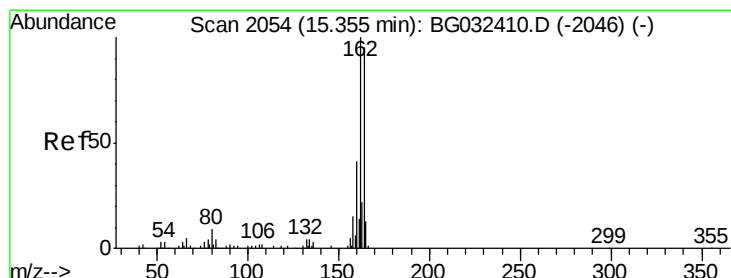
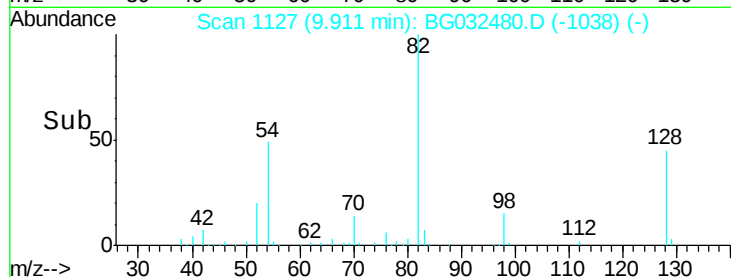
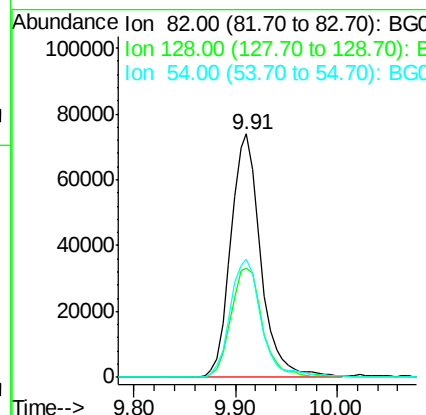
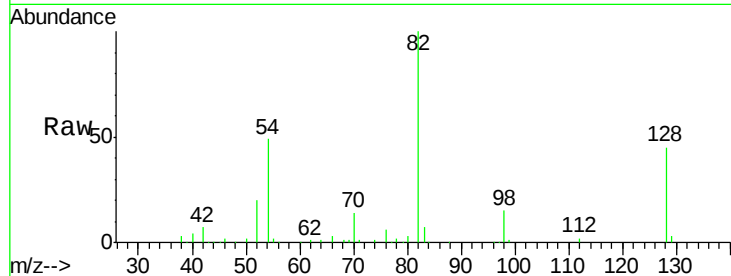




#23
Nitrobenzene-d5
Concen: 98.088 ng
RT: 9.91 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

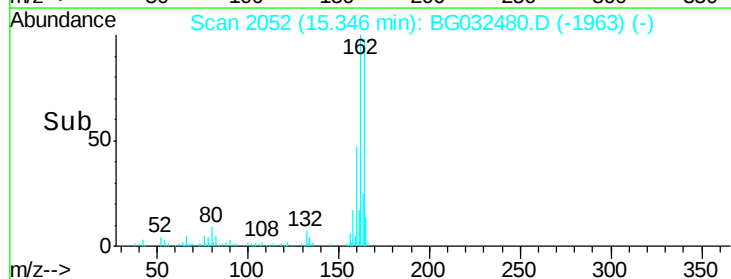
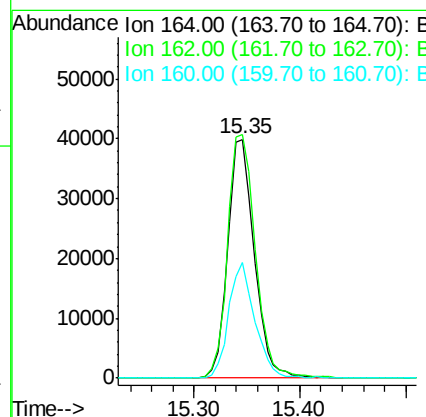
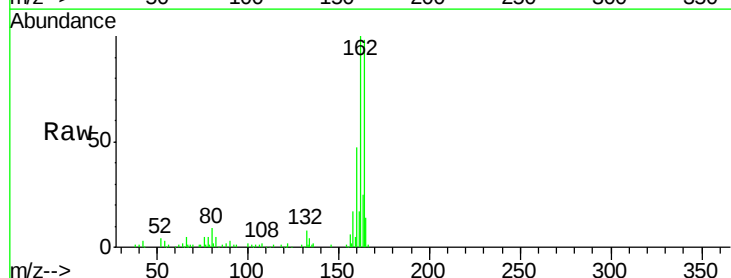
Instrument :
BNA_G
ClientSampleId :
SOIL-CUTTINGS

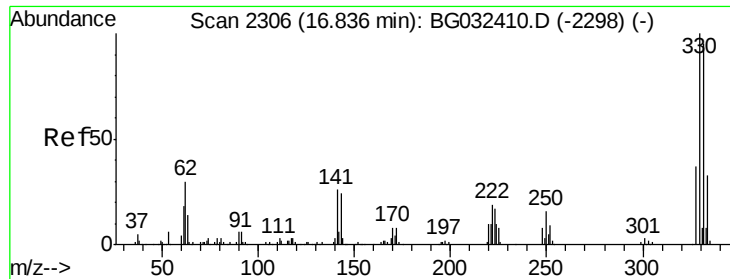
Tot Ion: 82 Resp: 151578
Ion Ratio Lower Upper
82 100
128 44.8 29.7 44.5#
54 48.6 43.1 64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.35 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

Tgt Ion:164 Resp: 69518
Ion Ratio Lower Upper
164 100
162 101.8 78.8 118.2
160 48.1 35.4 53.0

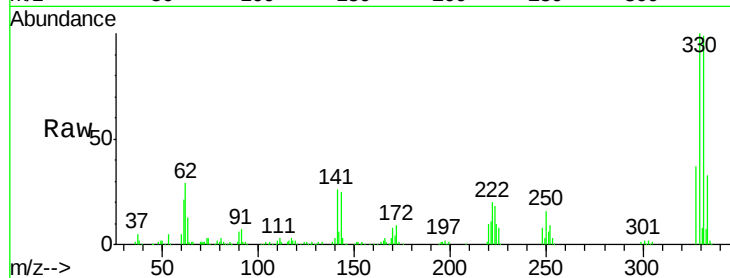




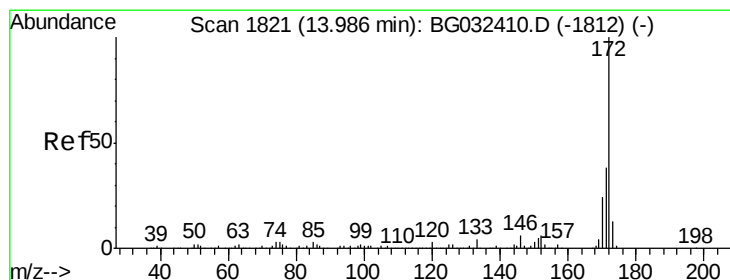
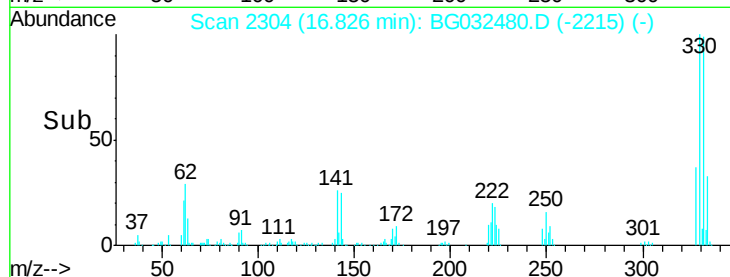
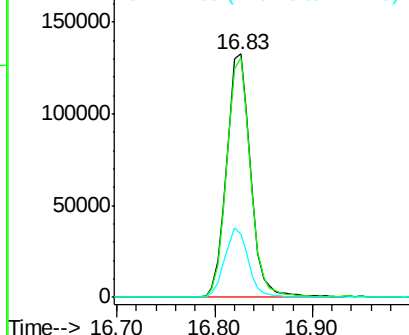
#41
 2,4,6-Tribromophenol
 Concen: 171.742 ng
 RT: 16.83 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BG032480.D
 Acq: 1 Feb 2018 1:32

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGS

Tot Ion:330 Resp: 227262
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 28.1 25.2 37.8

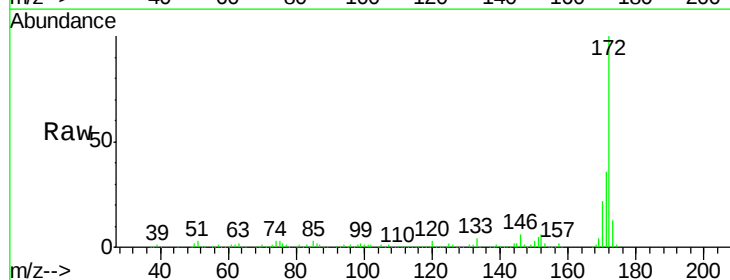


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

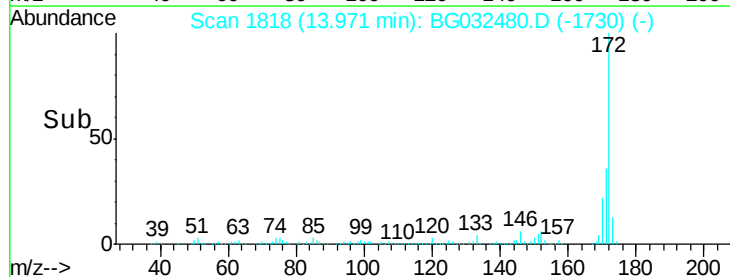
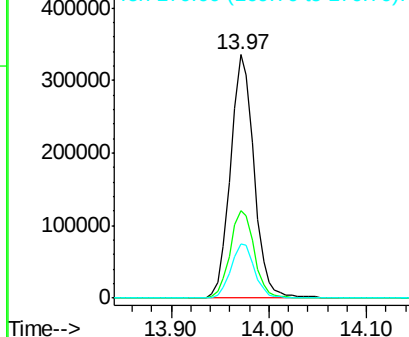


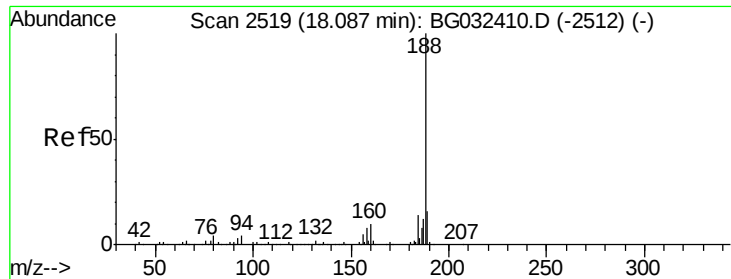
#44
 2-Fluorobiphenyl
 Concen: 96.301 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032480.D
 Acq: 1 Feb 2018 1:32

Tgt Ion:172 Resp: 563257
 Ion Ratio Lower Upper
 172 100
 171 35.7 30.0 45.0
 170 22.1 19.5 29.3



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

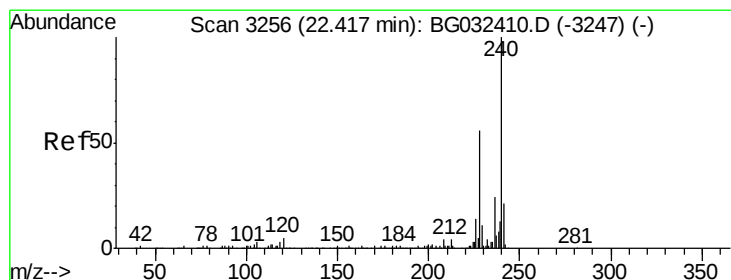
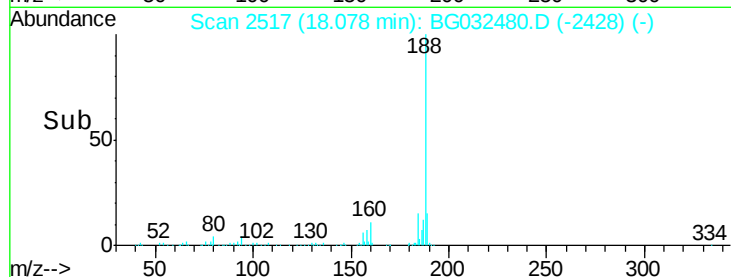
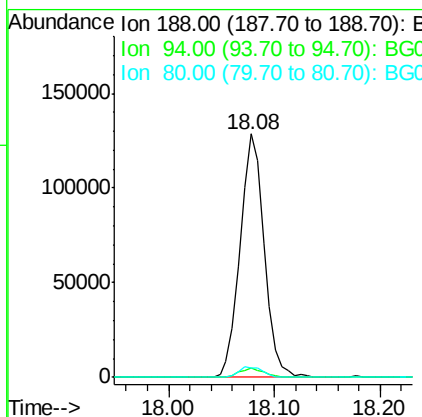
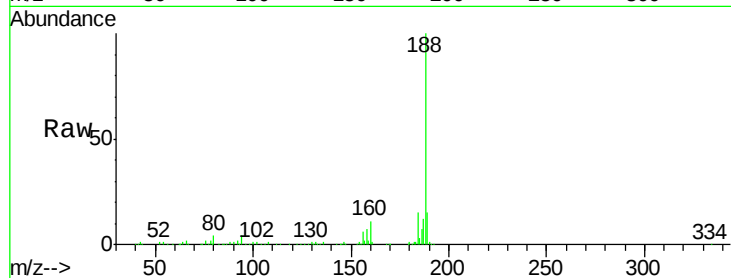




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.08 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

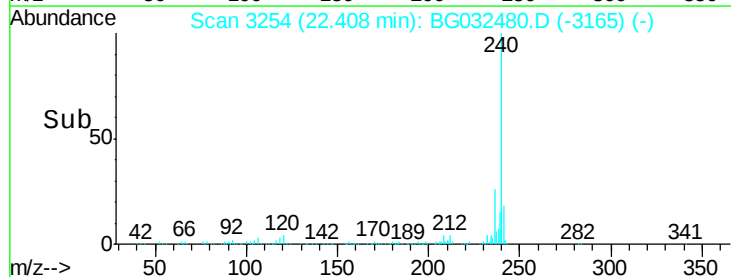
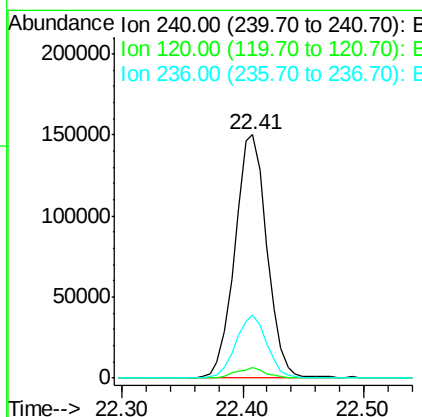
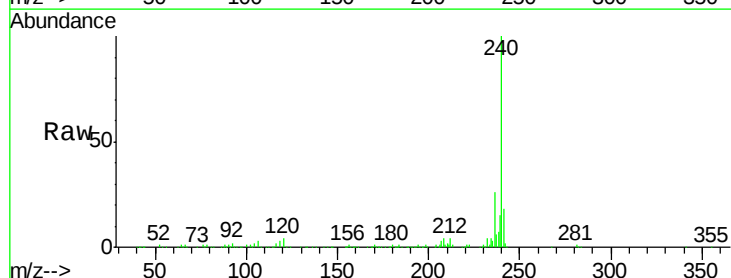
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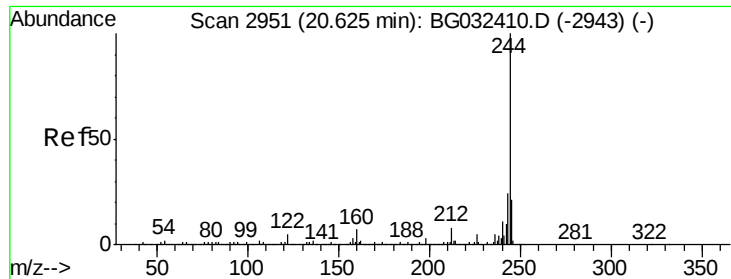
Tot Ion:188 Resp: 202444
Ion Ratio Lower Upper
188 100
94 3.7 6.9 10.3#
80 3.8 7.7 11.5#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.41 min Scan# 3254
Delta R.T. -0.01 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

Tgt Ion:240 Resp: 278132
Ion Ratio Lower Upper
240 100
120 4.4 6.8 10.2#
236 25.9 20.9 31.3





#78

Terphenyl-d14

Concen: 104.246 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032480.D

Acq: 1 Feb 2018 1:32

Instrument :

BNA_G

ClientSampleId :

SOIL-CUTTINGS

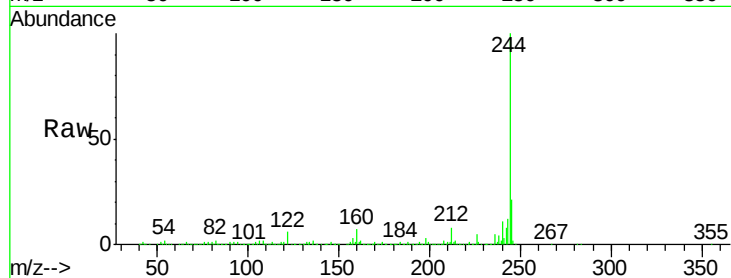
Tot Ion:244 Resp: 1353544

Ion Ratio Lower Upper

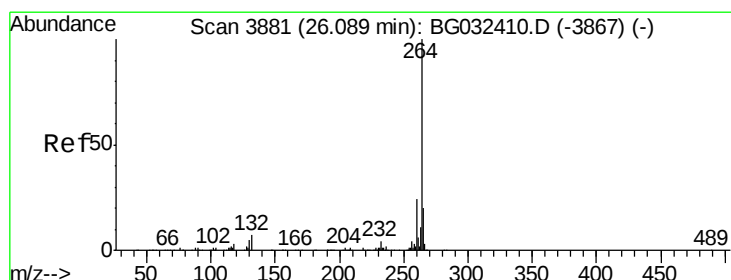
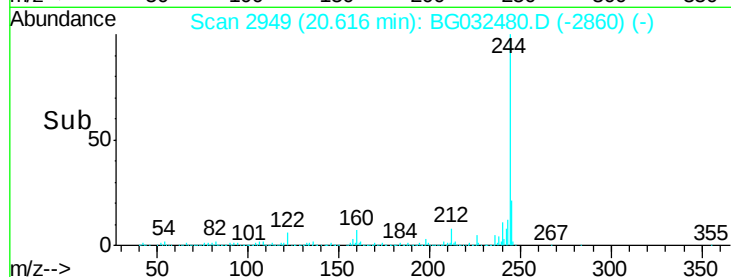
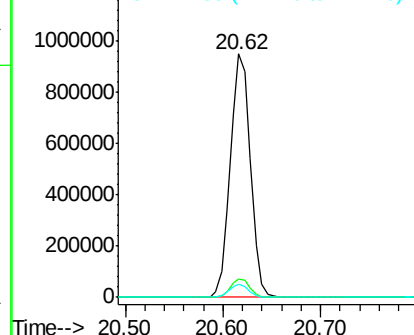
244 100

212 7.7 5.8 8.8

122 5.7 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.08 min Scan# 3879

Delta R.T. -0.01 min

Lab File: BG032480.D

Acq: 1 Feb 2018 1:32

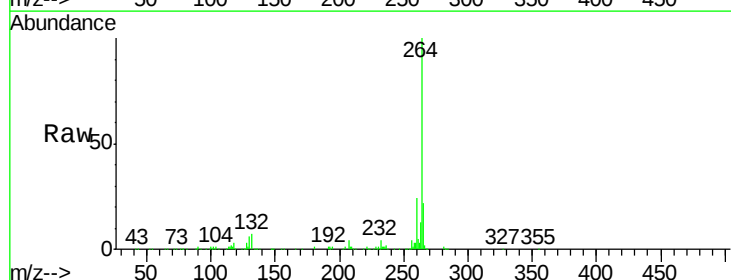
Tgt Ion:264 Resp: 296973

Ion Ratio Lower Upper

264 100

260 24.2 17.4 26.0

265 21.9 17.7 26.5



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

