

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033188.D
 Acq On : 15 Mar 2018 22:17
 Operator : SJ/JU
 Sample : J1913-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-SOIL-72-11939

Quant Time: Mar 16 05:58:51 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

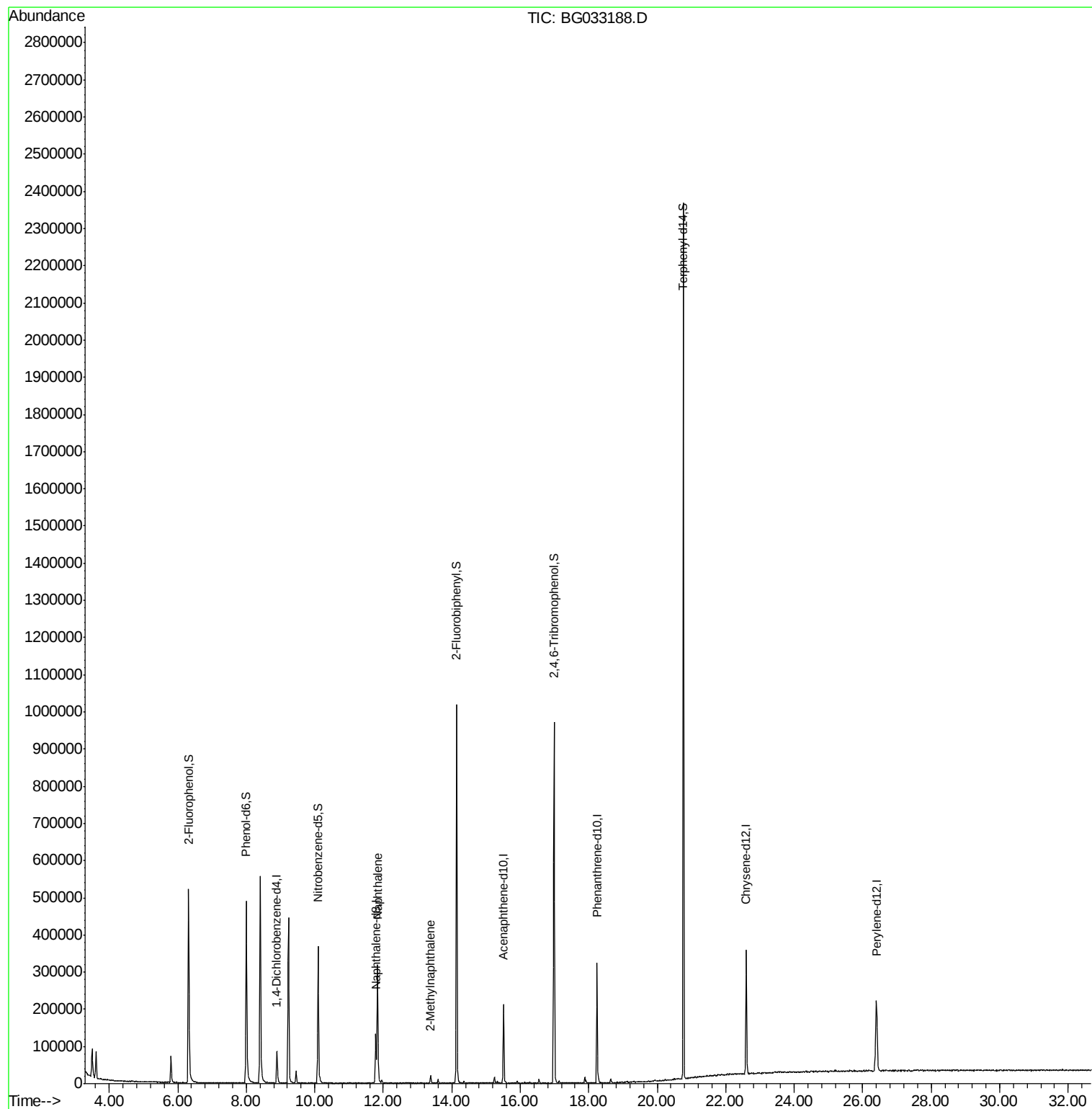
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	30583	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	131181	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	77275	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	207029	20.00	ng	0.00
75) Chrysene-d12	22.60	240	218568	20.00	ng	-0.01
86) Perylene-d12	26.40	264	236520	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	278085	145.47	ng	0.00
7) Phenol-d6	8.00	99	344143	129.16	ng	-0.01
23) Nitrobenzene-d5	10.10	82	247377	125.51	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	207904	255.88	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	567430	105.90	ng	0.00
78) Terphenyl-d14	20.77	244	1090942	112.14	ng	0.00
Target Compounds						
31) Naphthalene	11.84	128	301728	44.018	ng	99
37) 2-Methylnaphthalene	13.38	142	11649	2.349	ng	86

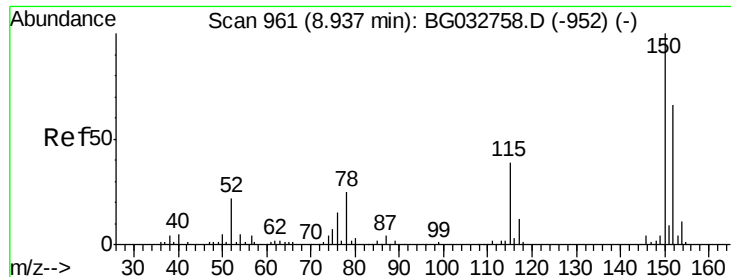
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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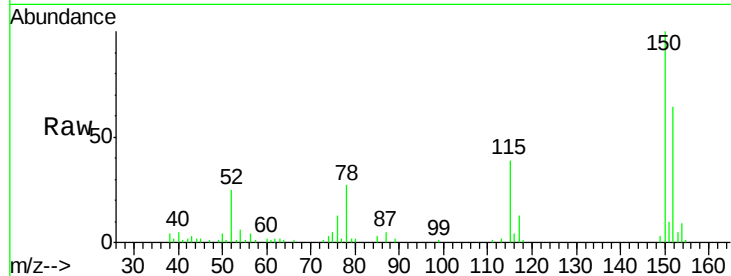


#1

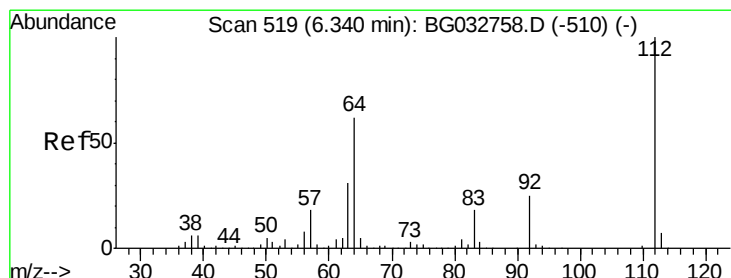
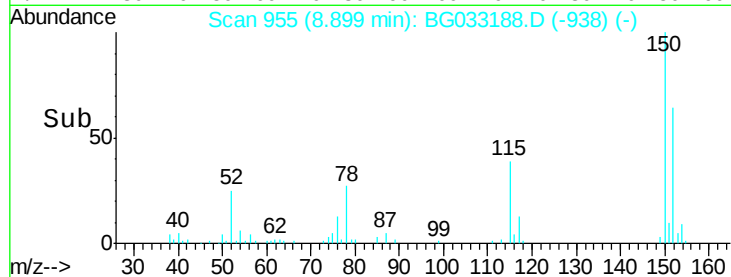
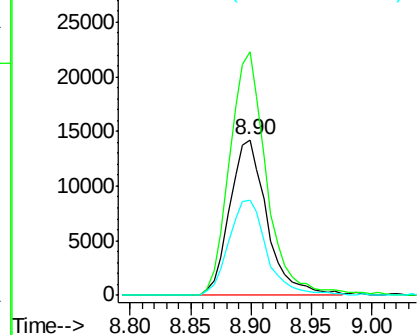
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033188.D
Acq: 15 Mar 2018 22:17

Instrument :
BNA_G
ClientSampleId :
OILY-SOIL-72-11939

Tot Ion:152 Resp: 30583
Ion Ratio Lower Upper
152 100
150 156.3 126.6 189.8
115 61.5 53.0 79.4



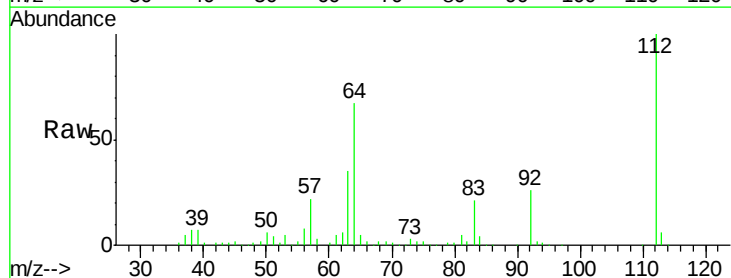
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



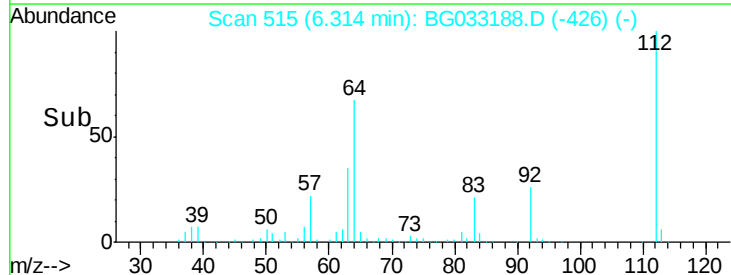
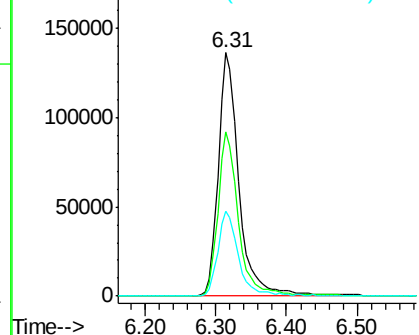
#5

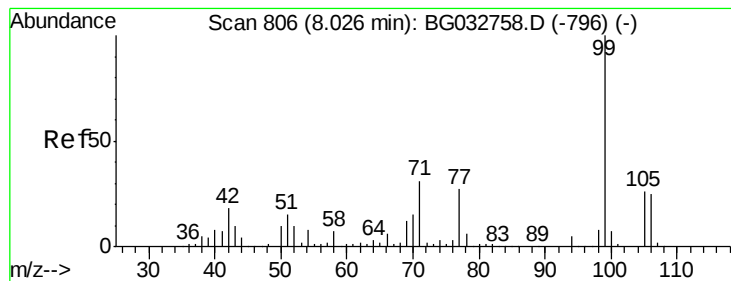
2-Fluorophenol
Concen: 145.472 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033188.D
Acq: 15 Mar 2018 22:17

Tgt Ion:112 Resp: 278085
Ion Ratio Lower Upper
112 100
64 67.5 56.3 84.5
63 34.8 30.1 45.1



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





#7

Phenol-d6

Concen: 129.158 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

Instrument :

BNA_G

ClientSampleId :

OILY-SOIL-72-11939

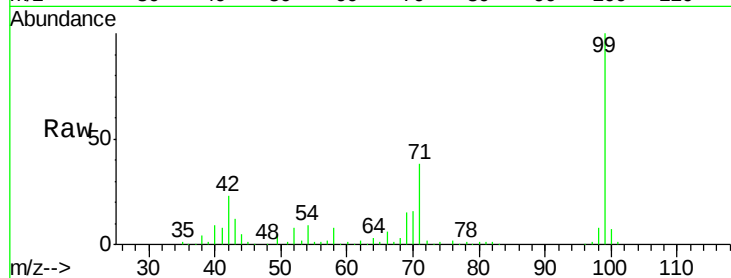
Tot Ion: 99 Resp: 344143

Ion Ratio Lower Upper

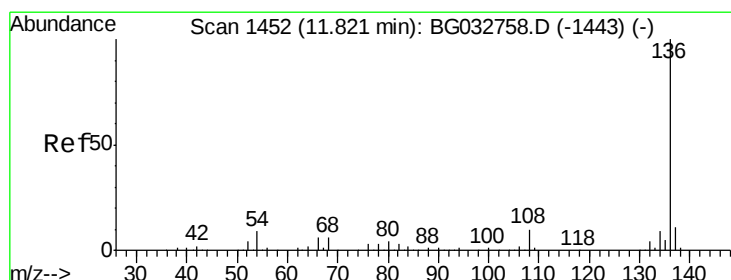
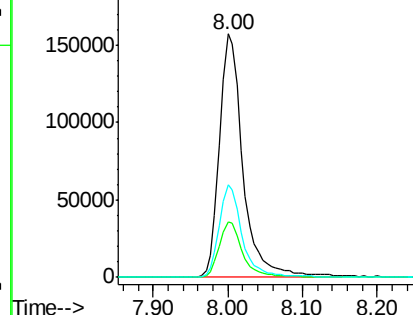
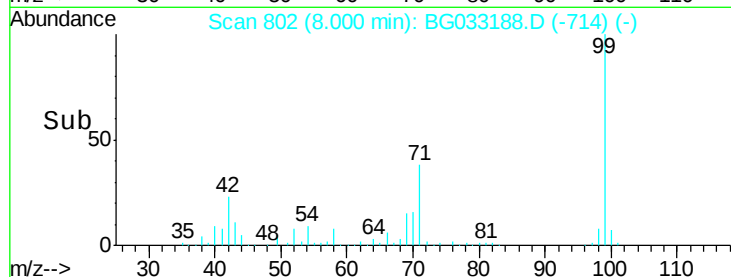
99 100

42 22.9 14.1 21.1#

71 38.1 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: 11.78 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

Tgt Ion:136 Resp: 131181

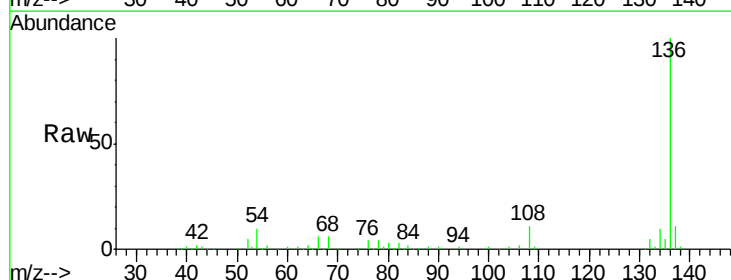
Ion Ratio Lower Upper

136 100

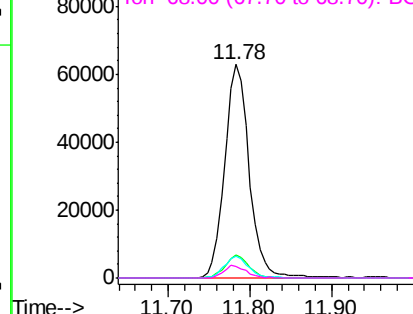
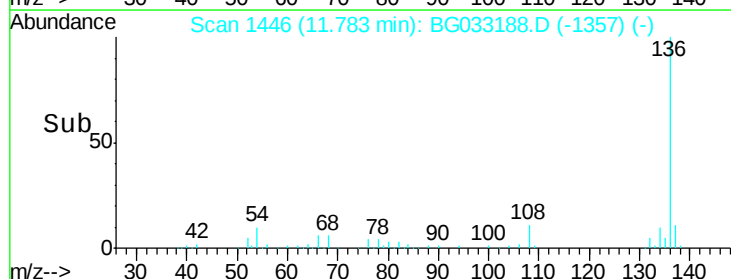
137 11.1 9.2 13.8

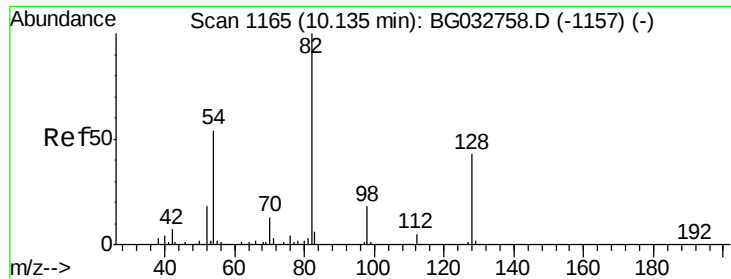
54 10.2 10.3 15.5#

68 5.5 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: 125.515 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

Instrument :

BNA_G

ClientSampleId :

OILY-SOIL-72-11939

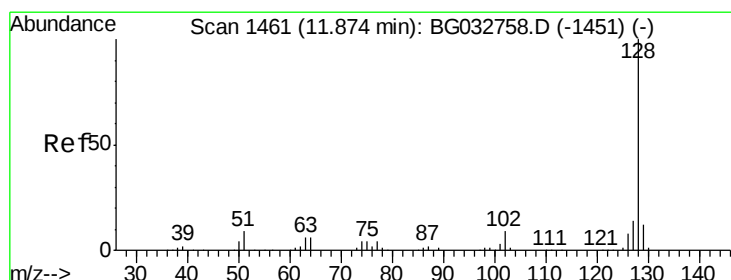
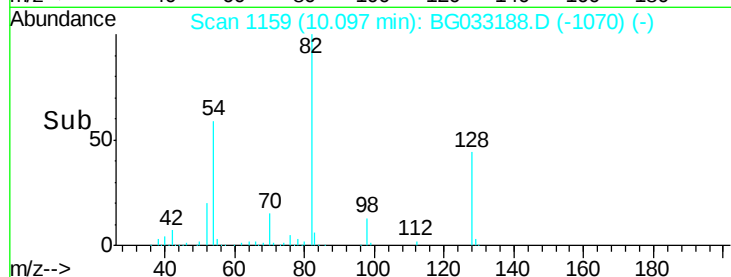
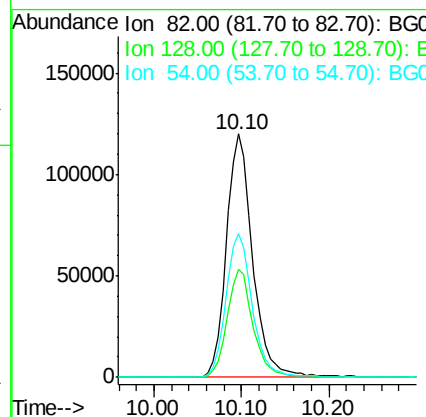
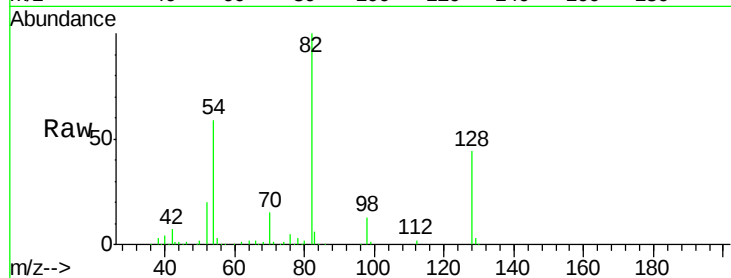
Tot Ion: 82 Resp: 247377

Ion	Ratio	Lower	Upper
82	100		
128	44.4	29.7	44.5
54	58.9	43.1	64.7

82 100

128 44.4 29.7 44.5

54 58.9 43.1 64.7



#31

Naphthalene

Concen: 44.018 ng

RT: 11.84 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

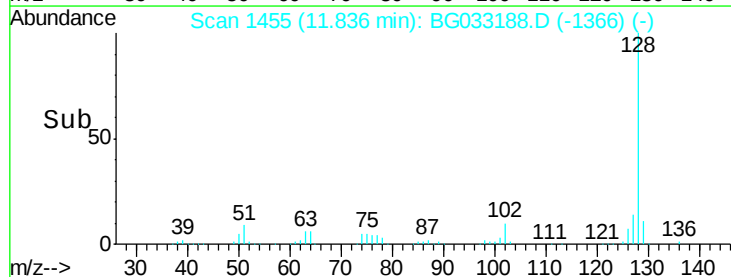
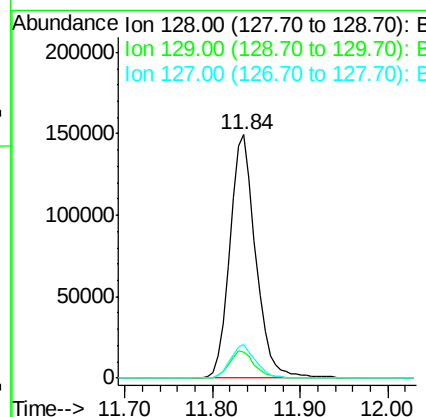
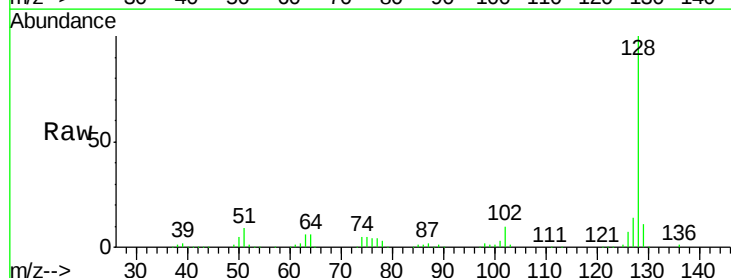
Tgt Ion: 128 Resp: 301728

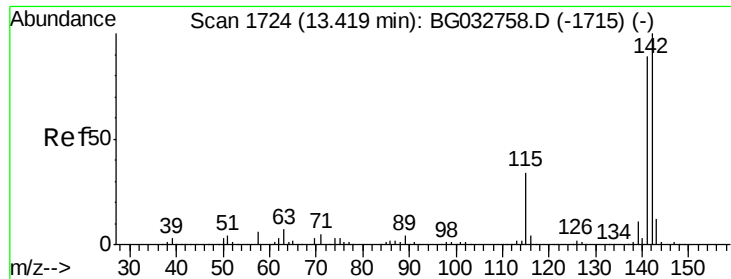
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	12.8
127	14.1	11.6	17.4

128 100

129 10.6 8.6 12.8

127 14.1 11.6 17.4

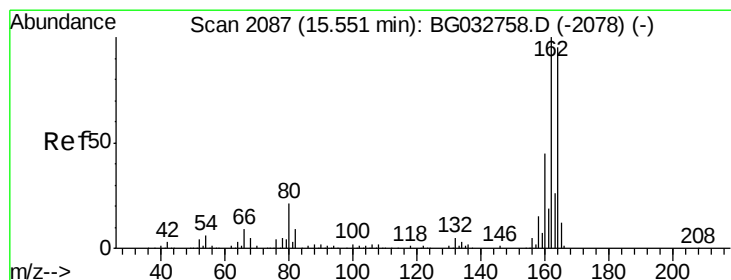
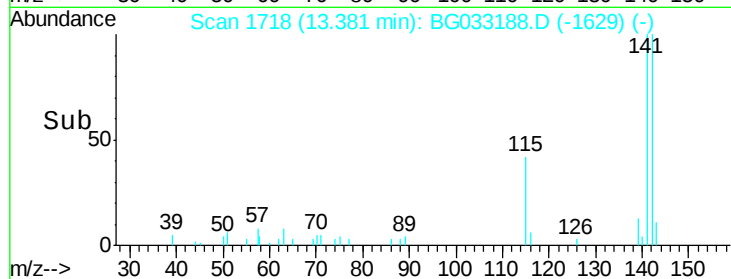
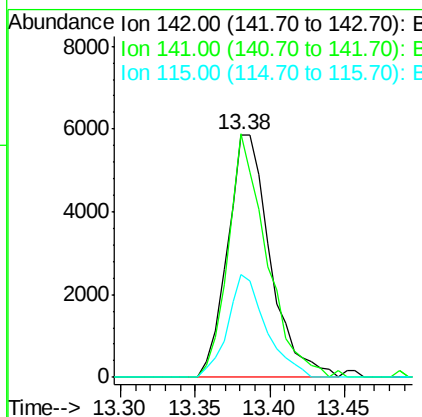
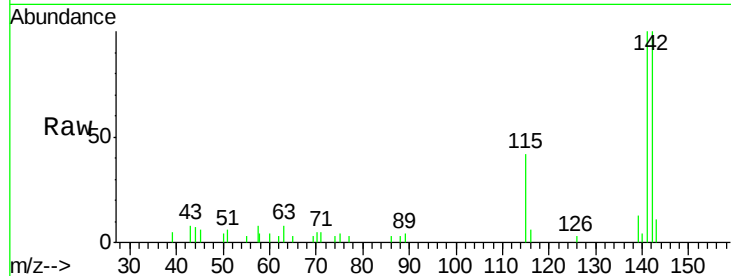




#37
 2-Methylnaphthalene
 Concen: 2.349 ng
 RT: 13.38 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG033188.D
 Acq: 15 Mar 2018 22:17

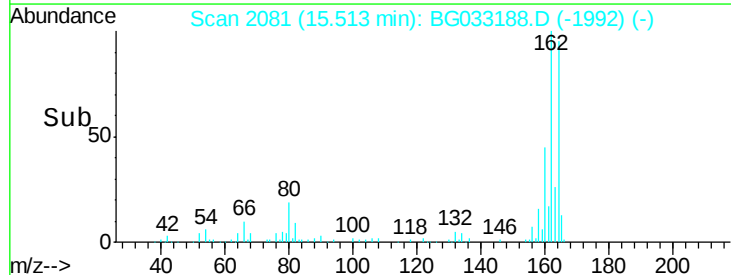
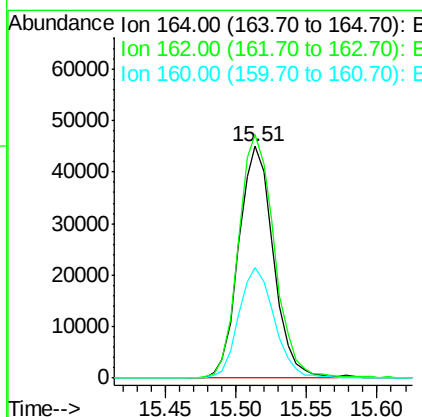
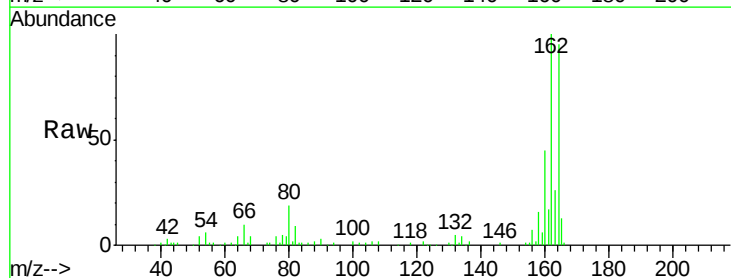
Instrument :
 BNA_G
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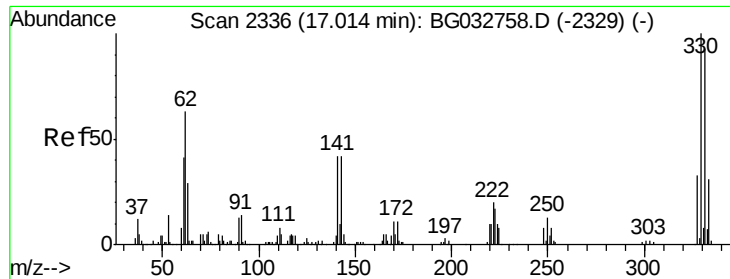
Tot Ion:142 Resp: 11649
 Ion Ratio Lower Upper
 142 100
 141 100.2 67.1 100.7
 115 42.3 30.7 46.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: BG033188.D
 Acq: 15 Mar 2018 22:17

Tgt Ion:164 Resp: 77275
 Ion Ratio Lower Upper
 164 100
 162 105.0 78.8 118.2
 160 47.6 35.4 53.0

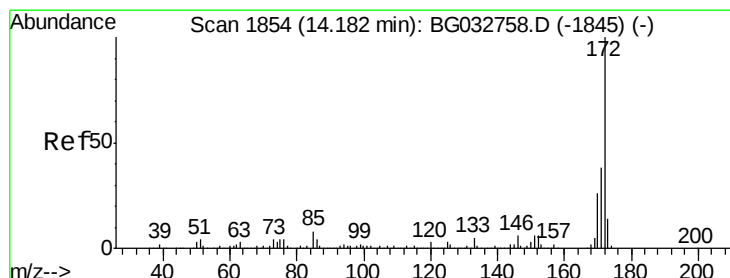
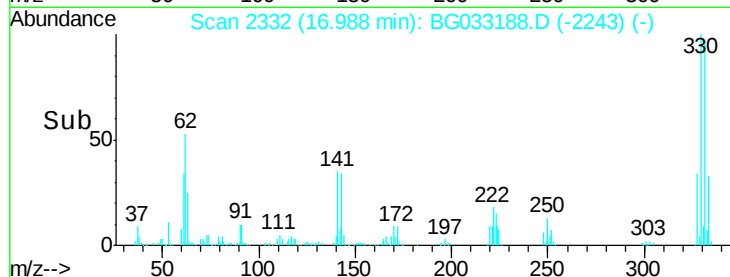
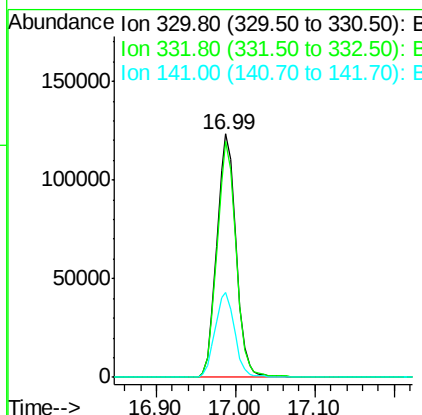
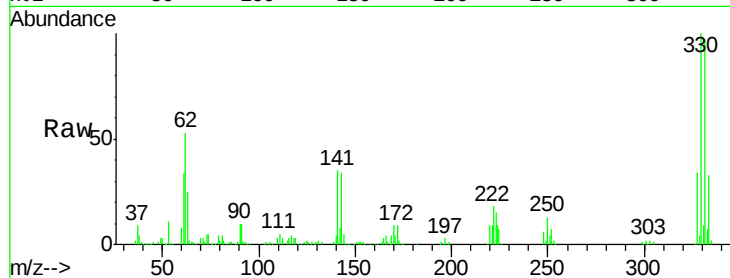




#41
 2,4,6-Tribromophenol
 Concen: 255.876 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: BG033188.D
 Acq: 15 Mar 2018 22:17

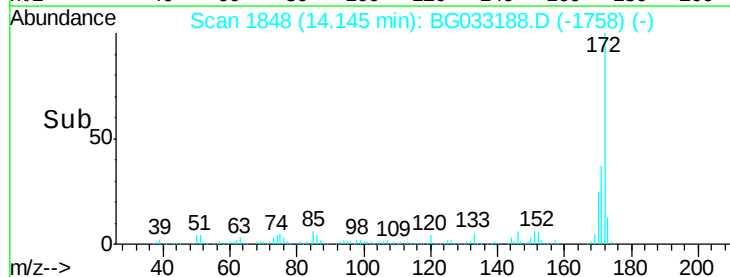
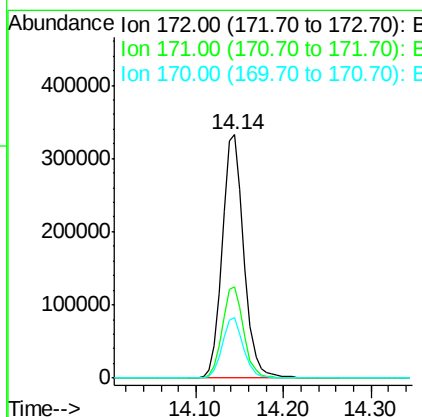
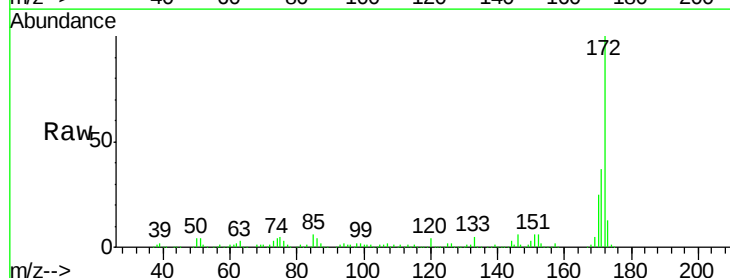
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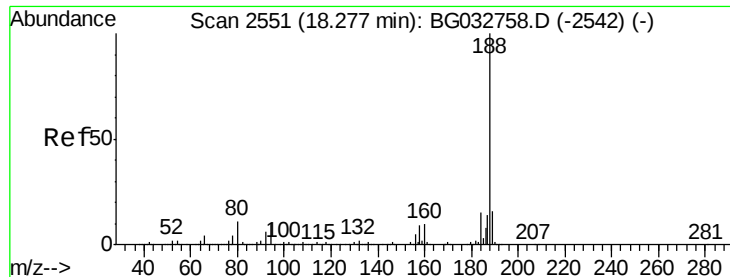
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	35.5	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 105.905 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033188.D
 Acq: 15 Mar 2018 22:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	24.8	19.5	29.3

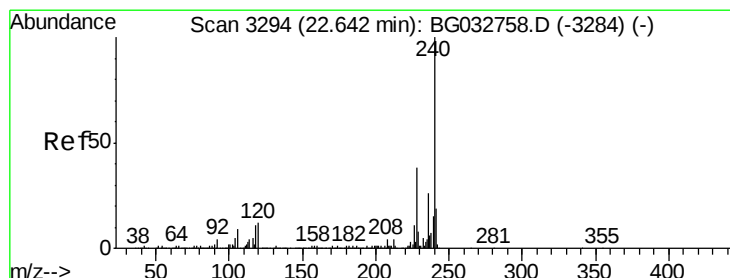
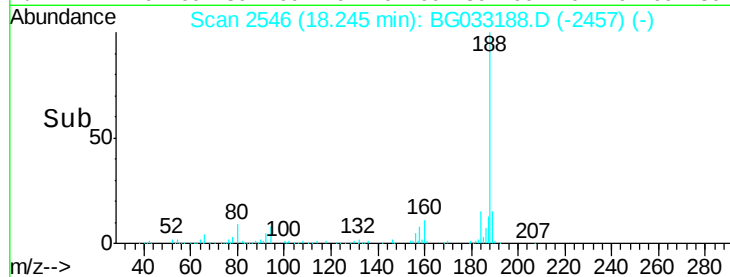
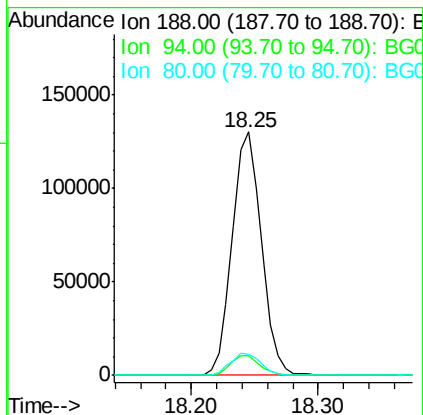
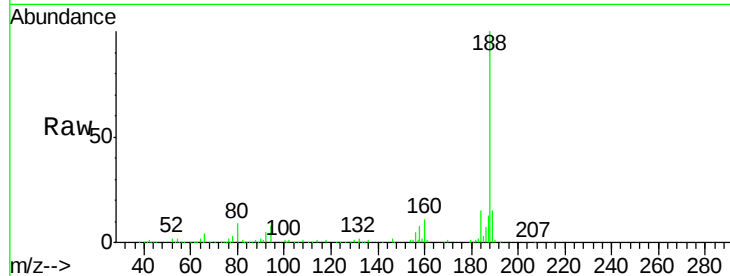




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BG033188.D
Acq: 15 Mar 2018 22:17

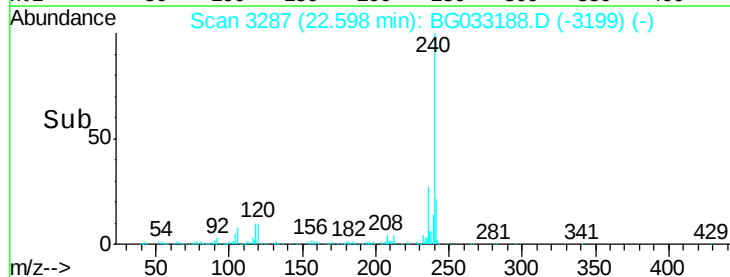
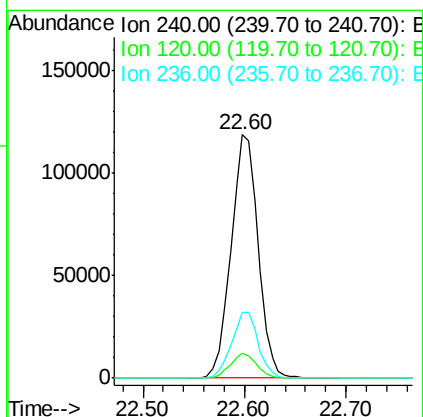
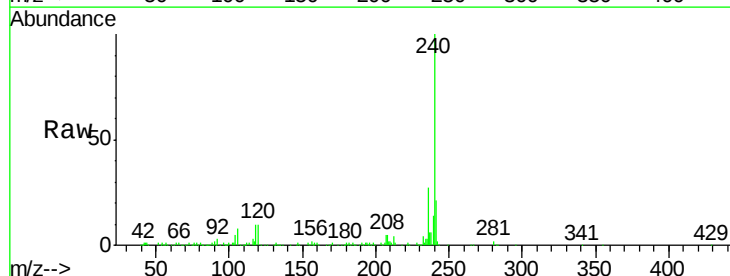
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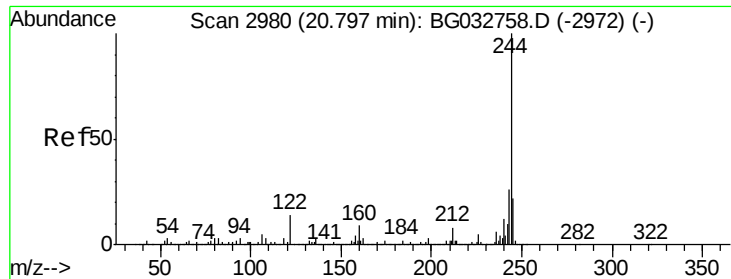
Tot Ion:188 Resp: 207029
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 8.7 7.7 11.5



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3287
Delta R.T. -0.01 min
Lab File: BG033188.D
Acq: 15 Mar 2018 22:17

Tgt Ion:240 Resp: 218568
Ion Ratio Lower Upper
240 100
120 10.2 6.8 10.2#
236 27.2 20.9 31.3





#78

Terphenyl-d14

Concen: 112.141 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

Instrument :

BNA_G

ClientSampleId :

OILY-SOIL-72-11939

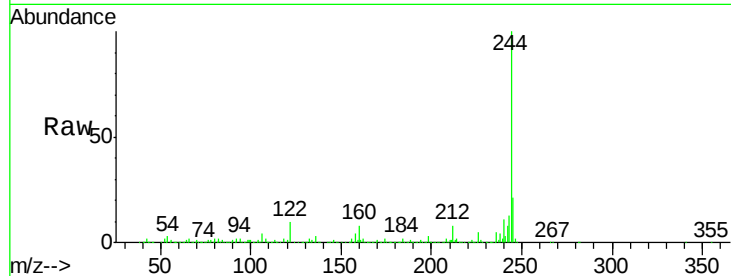
Tot Ion:244 Resp: 1090942

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

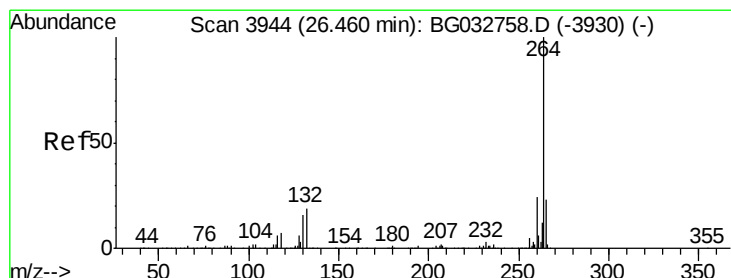
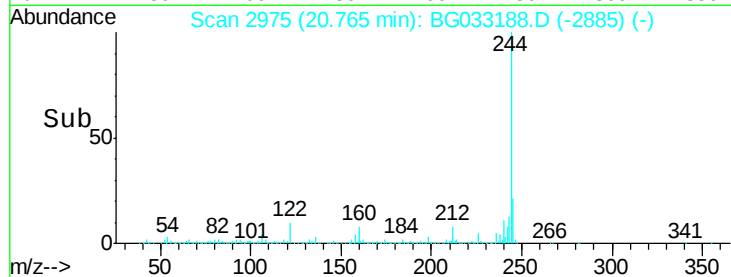
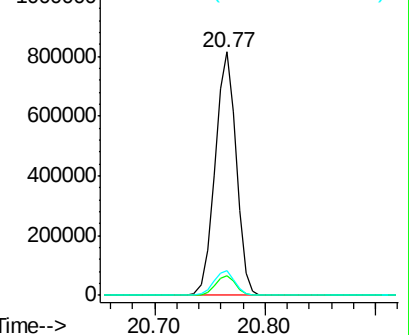
122 10.1 7.0 10.4



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: 26.40 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BG033188.D

Acq: 15 Mar 2018 22:17

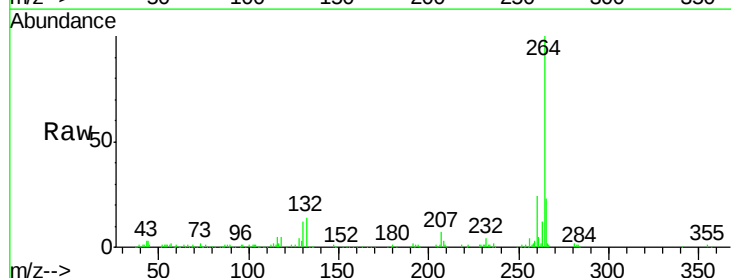
Tgt Ion:264 Resp: 236520

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 22.5 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

