

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111117\
 Data File : BG030938.D
 Acq On : 11 Nov 2017 11:30
 Operator : SJ/JU
 Sample : I6396-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LS-CONCRETE

Manual Integrations
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 11/13/2017 4:55:22 PM

Quant Time: Nov 13 03:55:51 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:38:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	42886	20.00	ng	-0.01
21) Naphthalene-d8	10.96	136	184864	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	125050	20.00	ng	-0.01
63) Phenanthrene-d10	17.50	188	349723	20.00	ng	-0.01
75) Chrysene-d12	21.78	240	446859	20.00	ng	0.00
86) Perylene-d12	25.08	264	440207	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	350330	140.08	ng	0.00
7) Phenol-d6	7.31	99	386470	114.70	ng	0.00
23) Nitrobenzene-d5	9.31	82	308934	99.03	ng	-0.01
41) 2,4,6-Tribromophenol	16.25	330	344100	170.10	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	884922	101.68	ng	-0.01
78) Terphenyl-d14	20.09	244	1885024	93.15	ng	0.00
Target Compounds						
31) Naphthalene	11.01	128	165148	18.173	ng	98
37) 2-Methylnaphthalene	12.60	142	24429	3.482	ng	98
51) Acenaphthene	14.82	154	19678	2.573	ng	90
54) Dibenzofuran	15.16	168	30125	2.473	ng	98
70) Phenanthrene	17.54	178	52433	2.880	ng	97

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

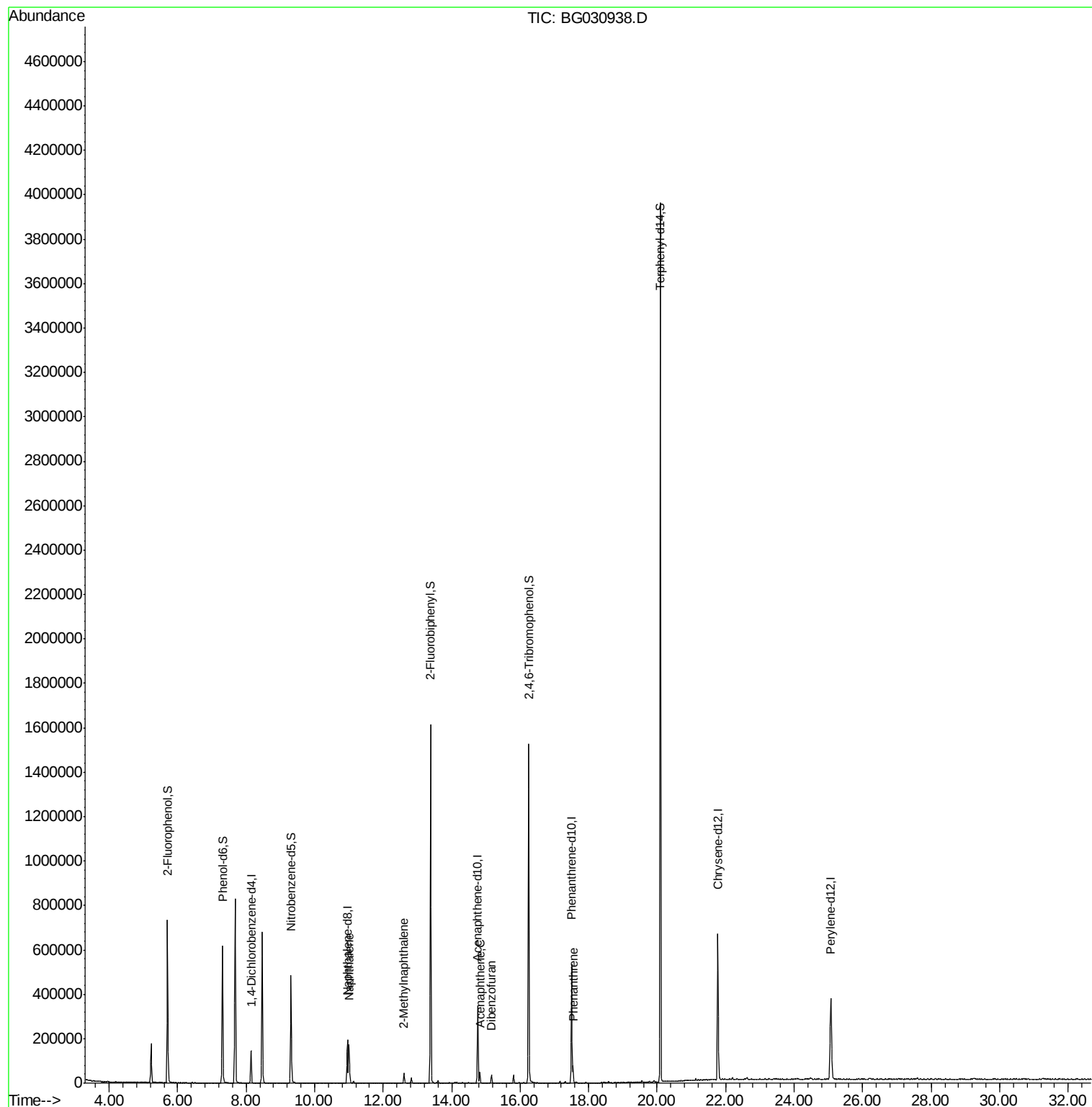
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111117\
Data File : BG030938.D
Acq On : 11 Nov 2017 11:30
Operator : SJ/JU
Sample : I6396-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

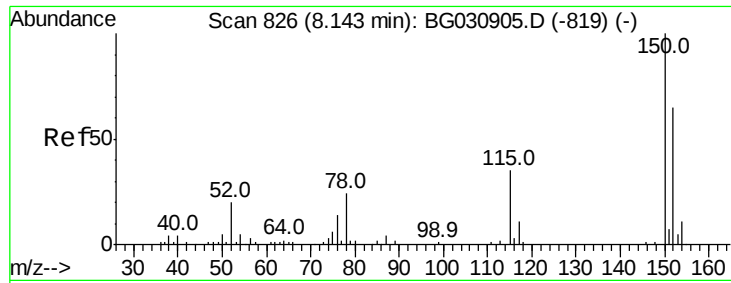
Instrument :
BNA_G
ClientSampleId :
LS-CONCRETE

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Quant Time: Nov 13 03:55:51 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:38:25 2017
Response via : Initial Calibration





#1

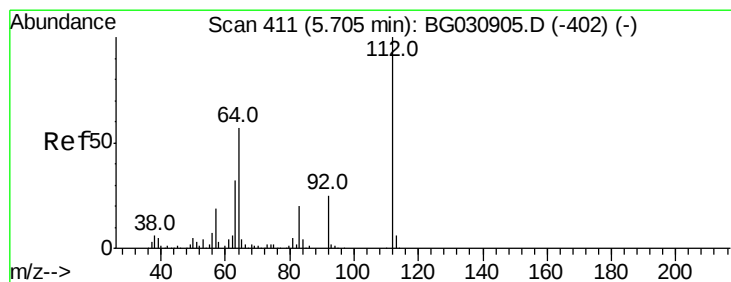
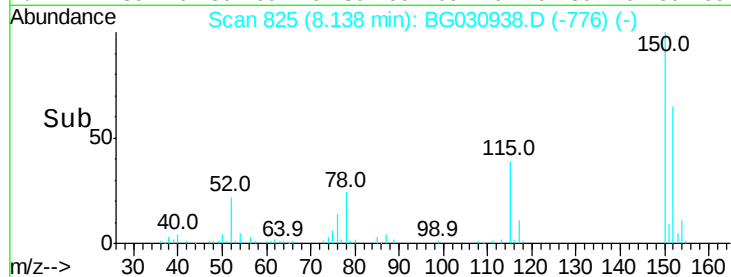
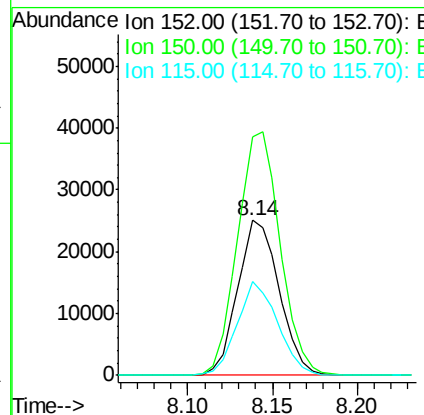
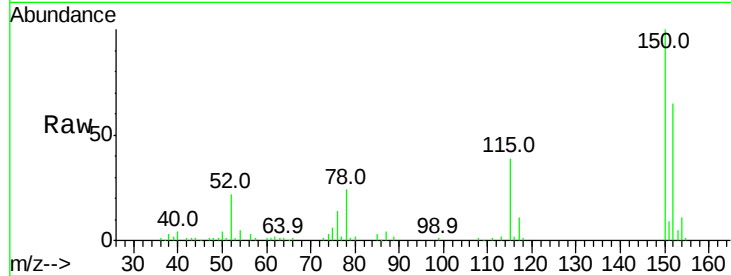
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 825
Delta R.T. -0.01 min
Lab File: BG030938.D
Acq: 11 Nov 2017 11:30

Instrument :
BNA_G
ClientSampled :
LS-CONCRETE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.6	189.8
115	60.2	53.0	79.4

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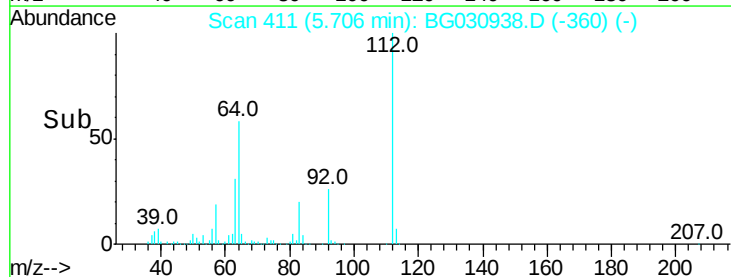
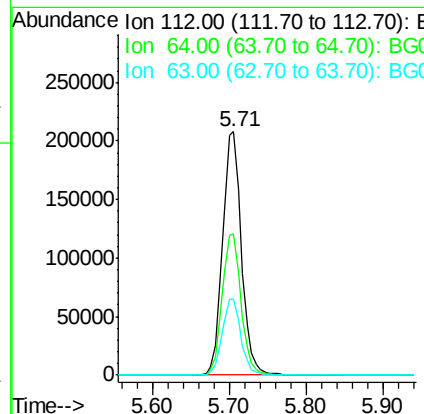
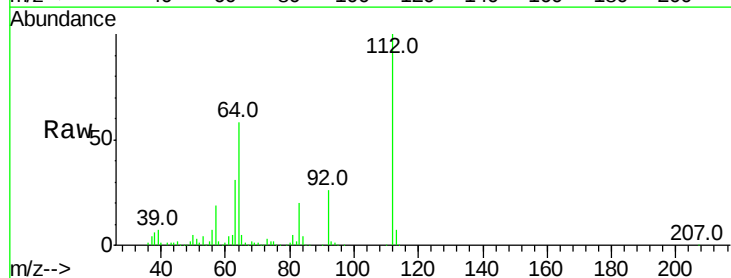
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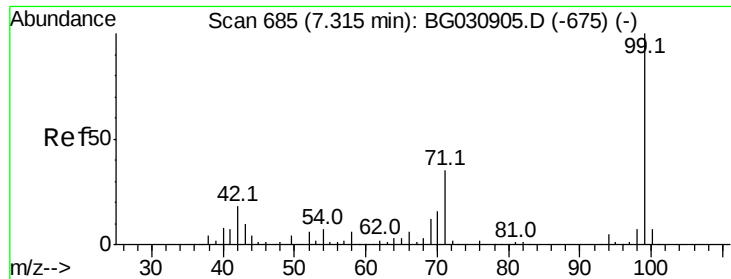


#5

2-Fluorophenol
Concen: 140.076 ng
RT: 5.71 min Scan# 411
Delta R.T. -0.00 min
Lab File: BG030938.D
Acq: 11 Nov 2017 11:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	56.3	84.5
63	31.0	30.1	45.1





#7

Phenol-d6

Concen: 114.701 ng

RT: 7.31 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG030938.D

Acq: 11 Nov 2017 11:30

Instrument :

BNA_G

ClientSampleId :

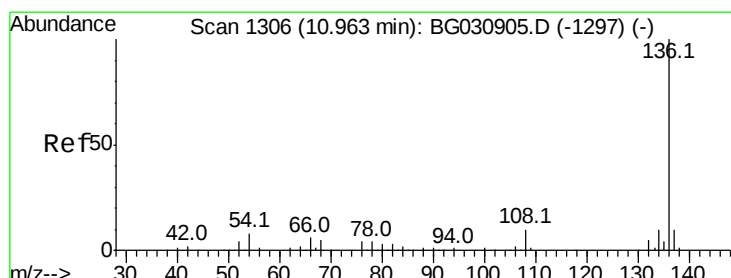
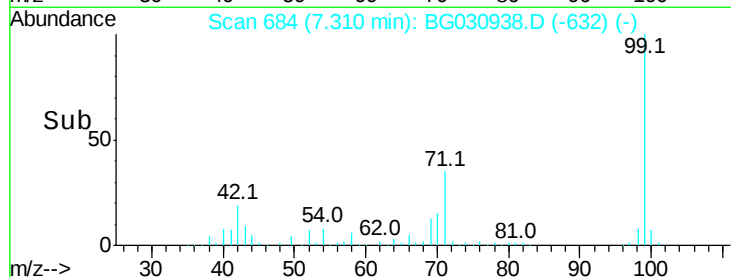
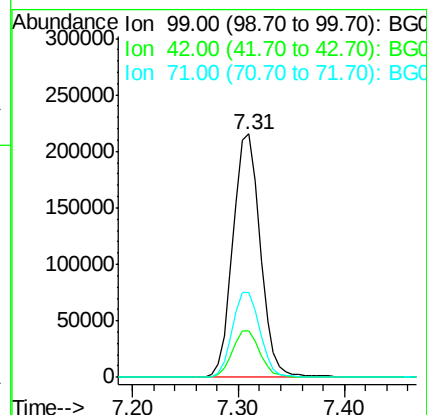
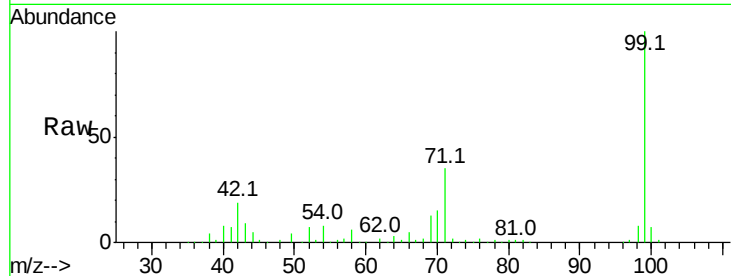
LS-CONCRETE

Tot Ion: 99 Resp: 386470

Ion	Ratio	Lower	Upper
99	100		
42	19.2	14.1	21.1
71	35.1	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.96 min Scan# 1305

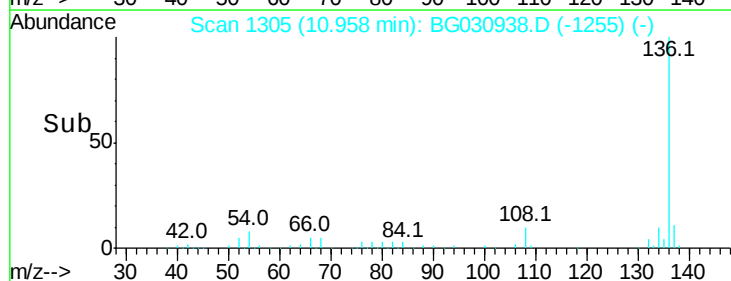
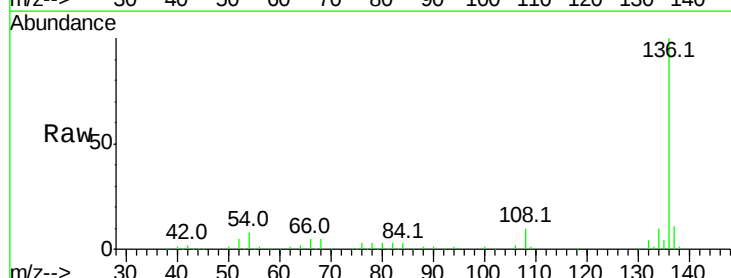
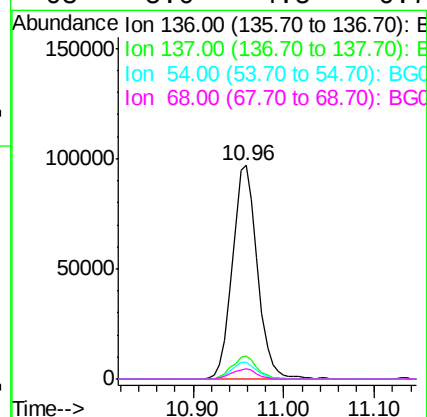
Delta R.T. -0.01 min

Lab File: BG030938.D

Acq: 11 Nov 2017 11:30

Tgt Ion: 136 Resp: 184864

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.8	10.3	15.5#
68	5.0	4.5	6.7





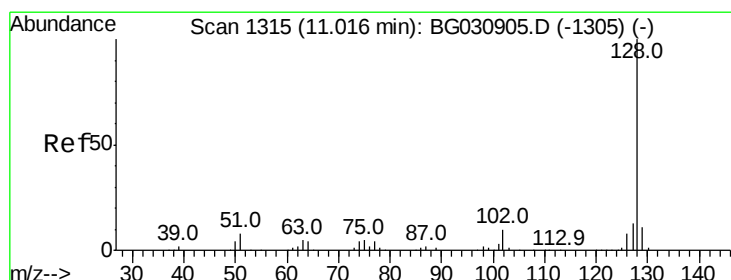
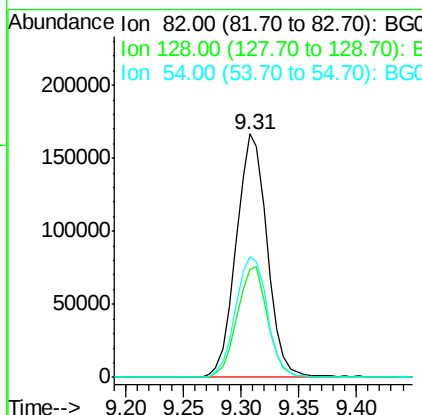
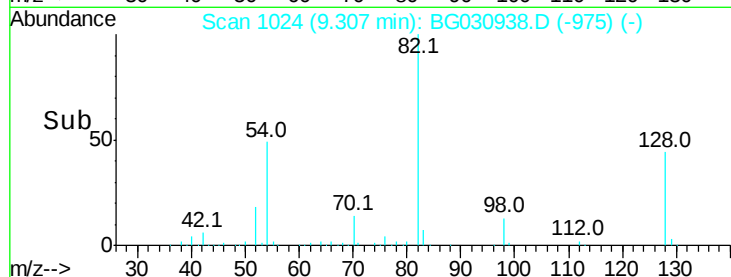
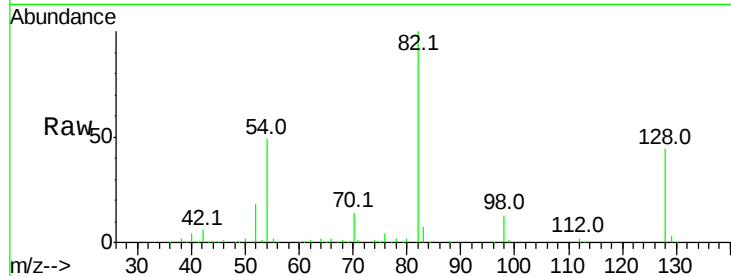
#23
Nitrobenzene-d5
Concen: 99.026 ng
RT: 9.31 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BG030938.D
Acq: 11 Nov 2017 11:30

Instrument :
BNA_G
ClientSampleId :
LS-CONCRETE

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.1	29.7	44.5	
54	49.5	43.1	64.7	

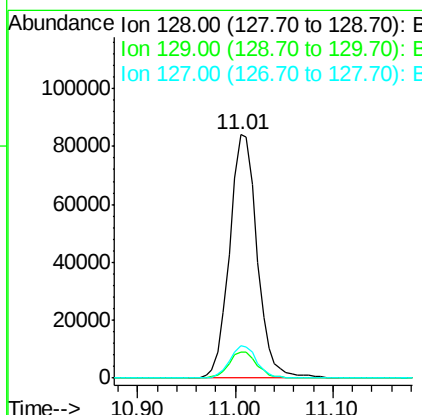
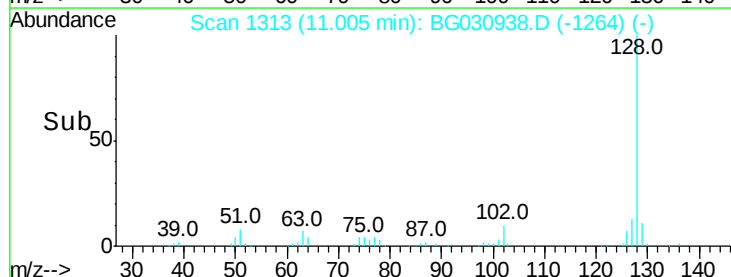
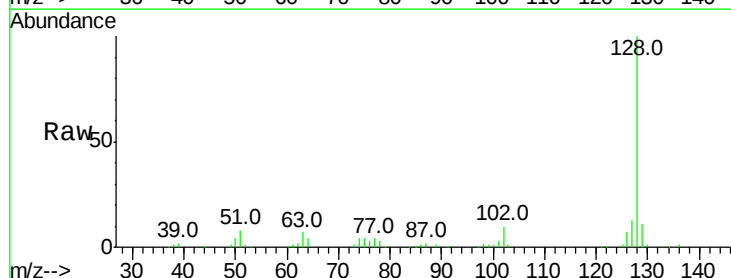
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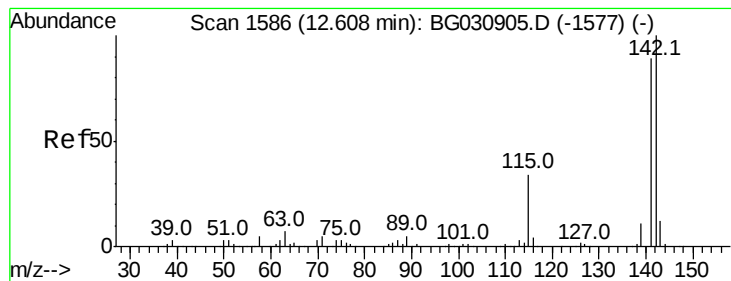
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#31
Naphthalene
Concen: 18.173 ng
RT: 11.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG030938.D
Acq: 11 Nov 2017 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.9	8.6	12.8	
127	13.1	11.6	17.4	





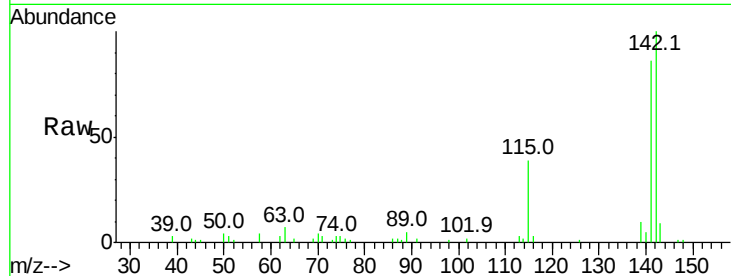
#37
2-Methylnaphthalene
Concen: 3.482 ng
RT: 12.60 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BG030938.D
Acq: 11 Nov 2017 11:30

Instrument :
BNA_G
ClientSampleId :
LS-CONCRETE

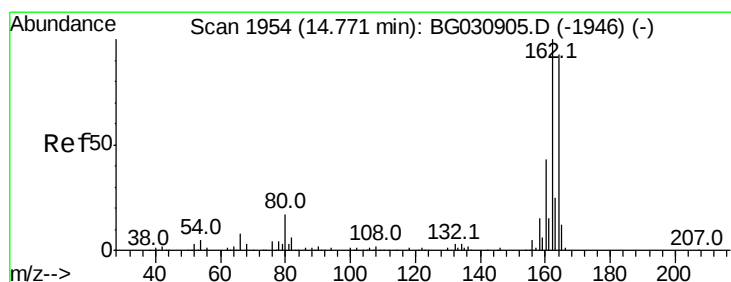
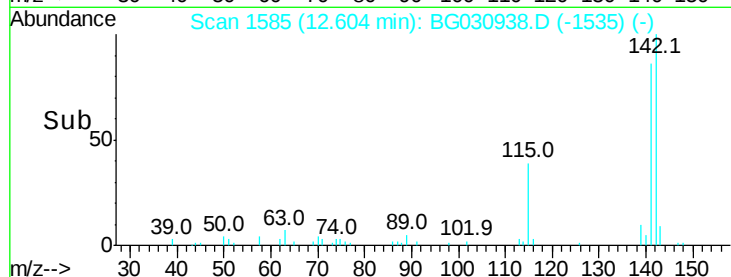
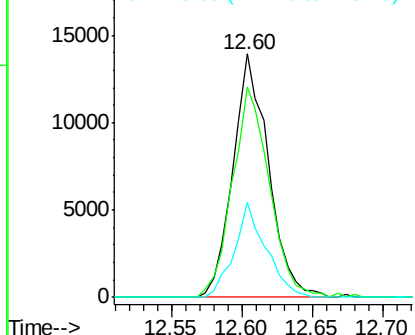
Tot Ion	Ratio	Lower	Upper
142	100		
141	86.2	67.1	100.7
115	39.3	30.7	46.1

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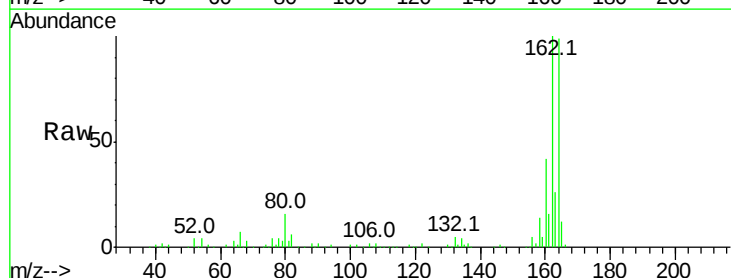


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

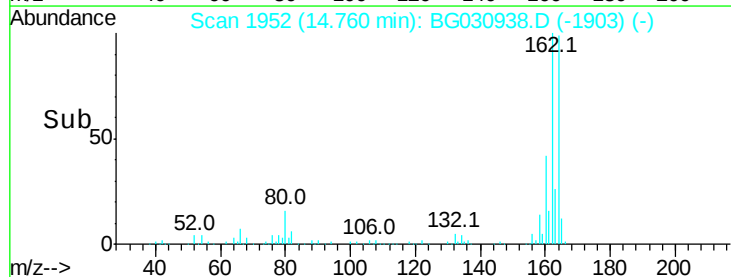
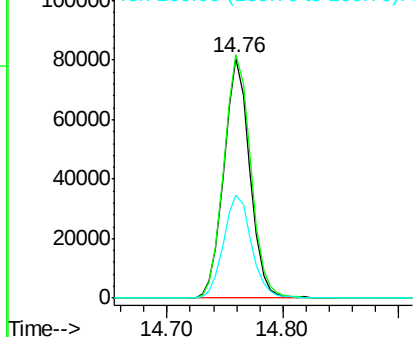


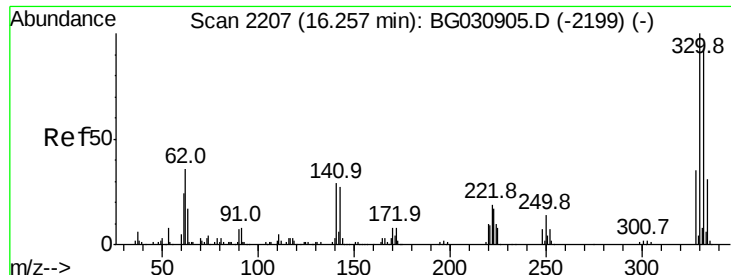
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BG030938.D
Acq: 11 Nov 2017 11:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	78.8	118.2
160	43.0	35.4	53.0



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





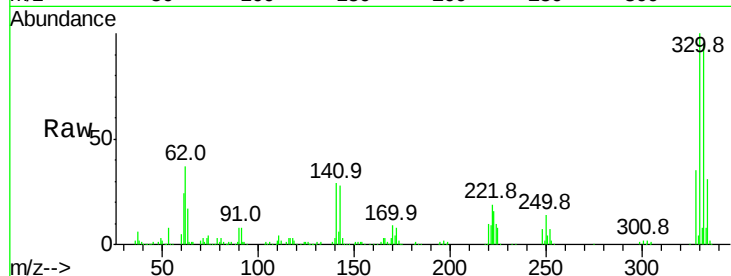
#41
 2,4,6-Tribromophenol
 Concen: 170.102 ng
 RT: 16.25 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BG030938.D
 Acq: 11 Nov 2017 11:30

Instrument :
 BNA_G
 ClientSampleId :
 LS-CONCRETE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	344100		
332	96.6	77.0	115.6	
141	28.8	25.2	37.8	

Manual Integrations
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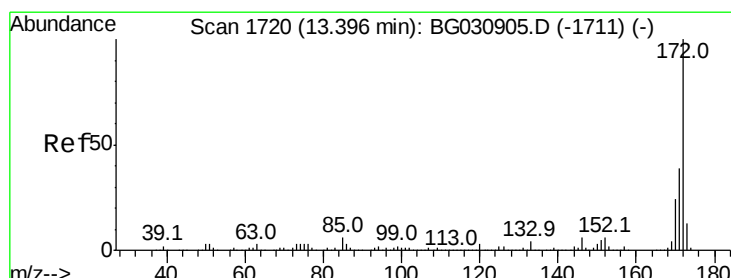
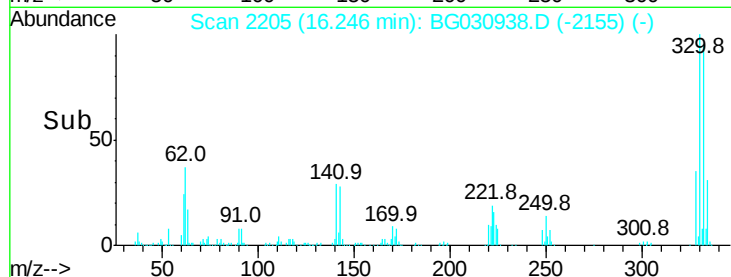
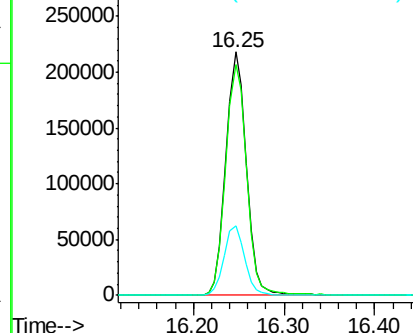


Abundance

Ion 329.80 (329.50 to 330.50): E

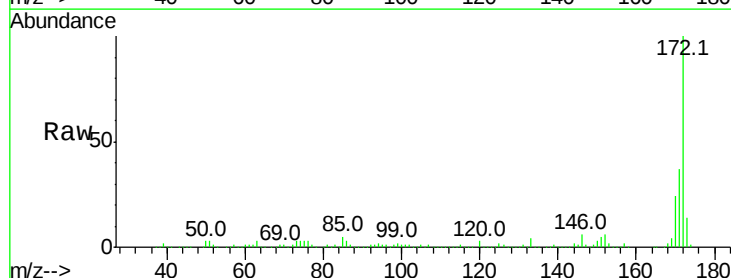
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 101.682 ng
 RT: 13.38 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BG030938.D
 Acq: 11 Nov 2017 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	884922		
171	37.0	30.0	45.0	
170	23.9	19.5	29.3	

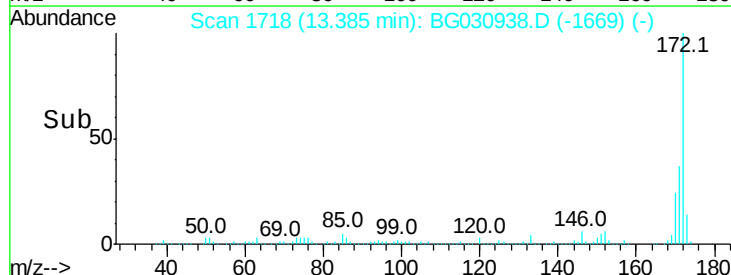
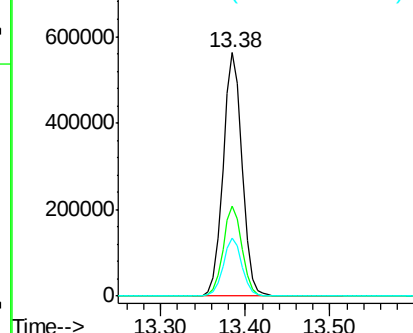


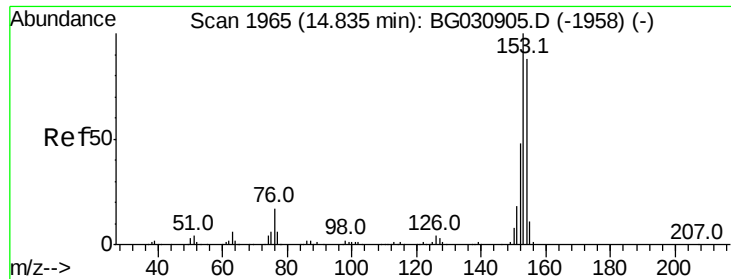
Abundance

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





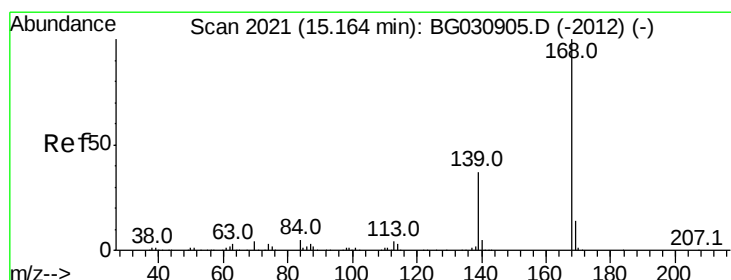
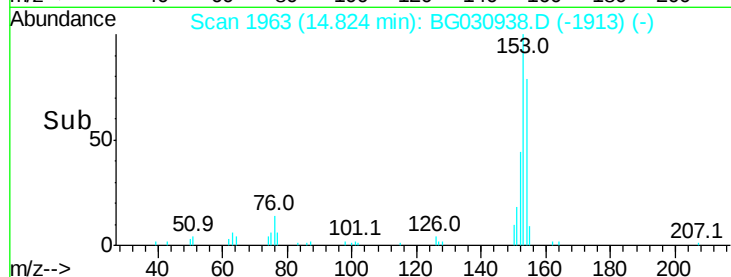
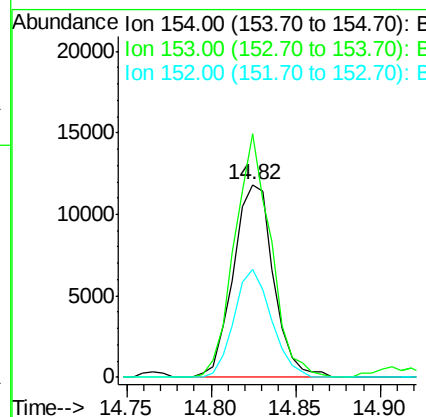
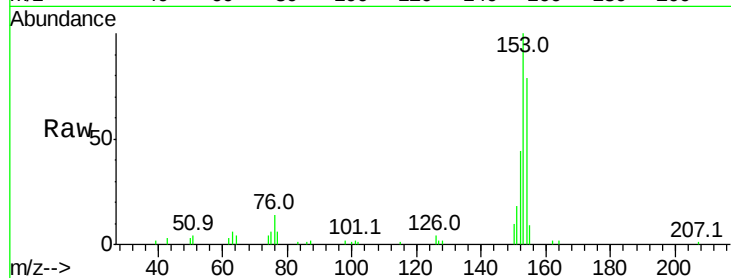
#51
Acenaphthene
Concen: 2.573 ng
RT: 14.82 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BG030938.D
Acq: 11 Nov 2017 11:30

Instrument :
BNA_G
ClientSampleId :
LS-CONCRETE

Tot Ion:154 Resp: 19678
Ion Ratio Lower Upper
154 100
153 126.4 90.4 135.6
152 55.8 41.6 62.4

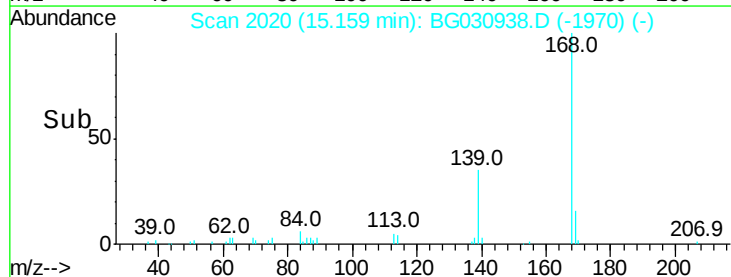
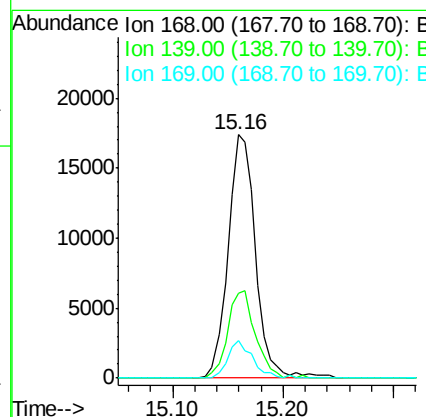
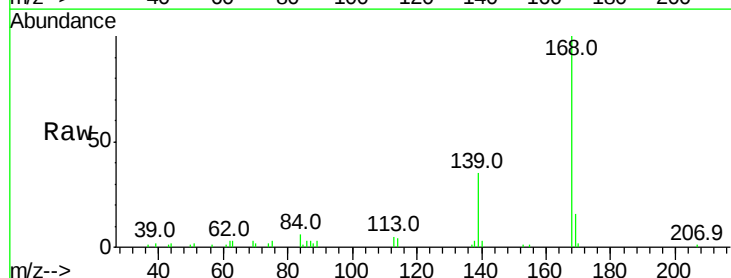
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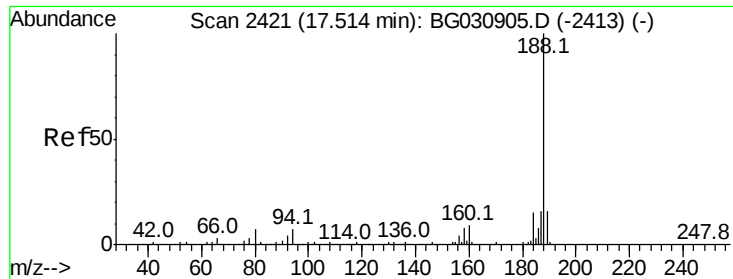
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#54
Dibenzofuran
Concen: 2.473 ng
RT: 15.16 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BG030938.D
Acq: 11 Nov 2017 11:30

Tgt Ion:168 Resp: 30125
Ion Ratio Lower Upper
168 100
139 34.7 28.6 43.0
169 15.6 11.2 16.8





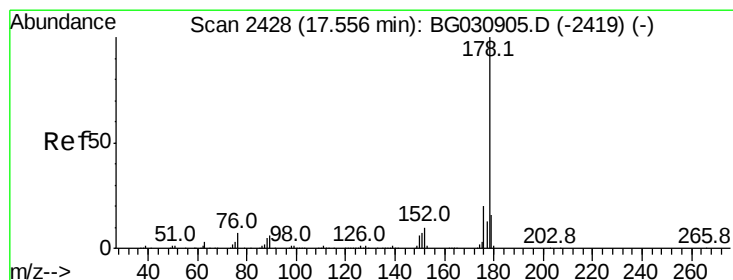
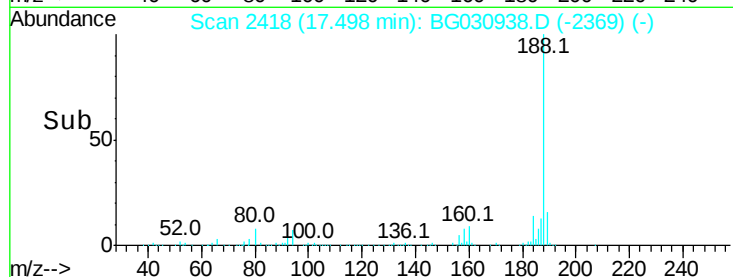
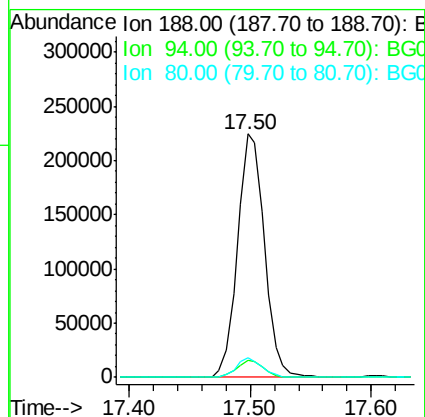
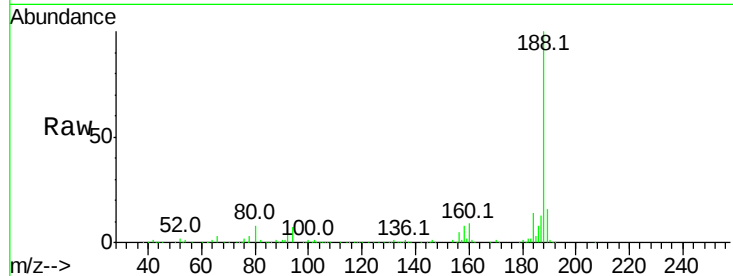
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BG030938.D
Acq: 11 Nov 2017 11:30

Instrument :
BNA_G
ClientSampleId :
LS-CONCRETE

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.2	6.9	10.3
80	7.8	7.7	11.5

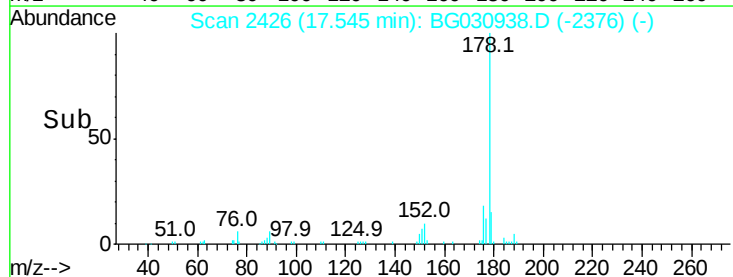
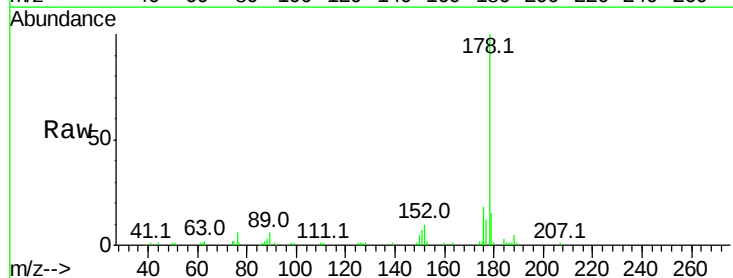
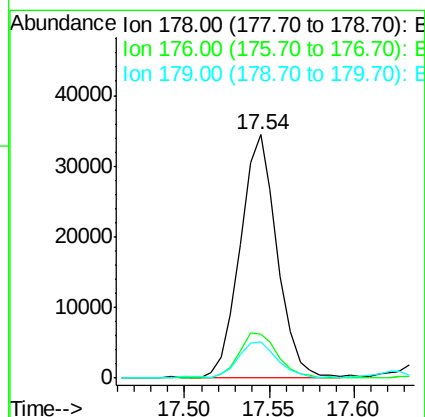
Manual Integrations
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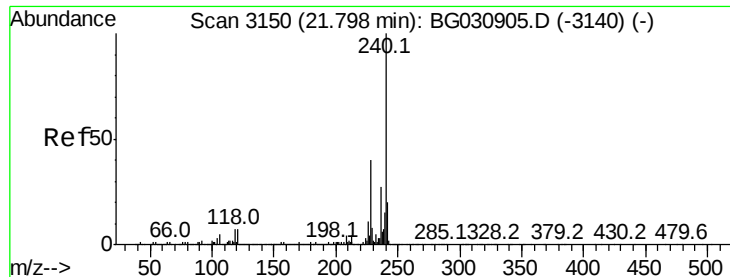
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#70
Phenanthrene
Concen: 2.880 ng
RT: 17.54 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BG030938.D
Acq: 11 Nov 2017 11:30

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.0	15.7	23.5
179	14.8	12.5	18.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.78 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG030938.D

Acq: 11 Nov 2017 11:30

Instrument :

BNA_G

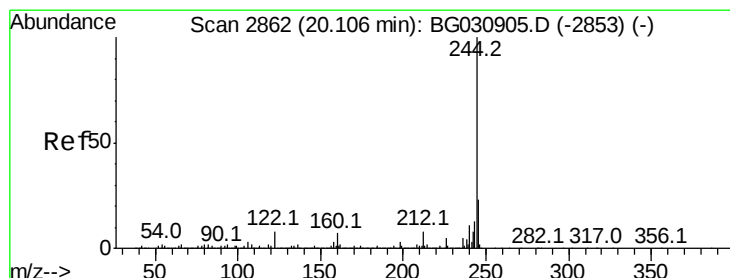
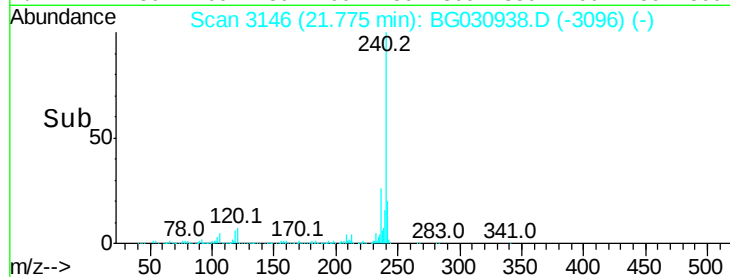
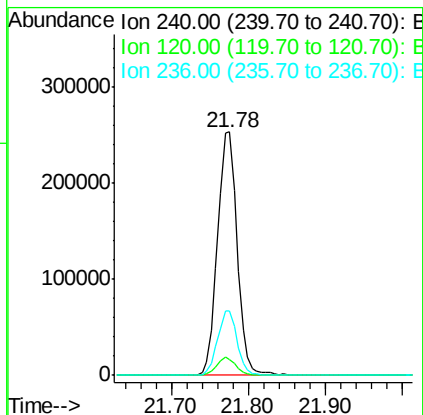
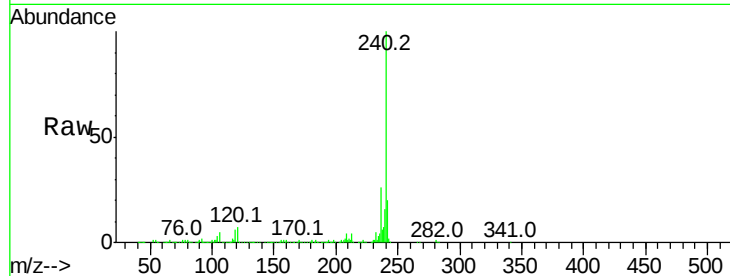
ClientSampleId :

LS-CONCRETE

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.8	10.2#
236	26.4	20.9	31.3

Manual Integrations
APPROVED

SOHIL
11/13/2017 4:55:22 PM



#78

Terphenyl-d14

Concen: 93.146 ng

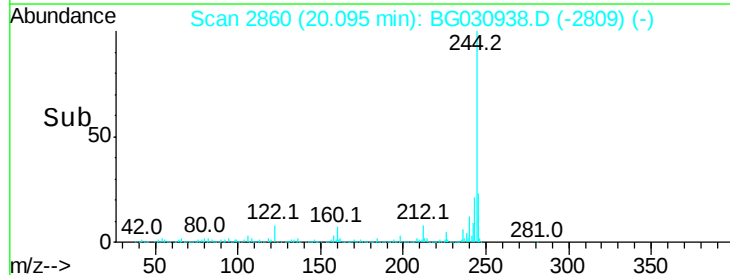
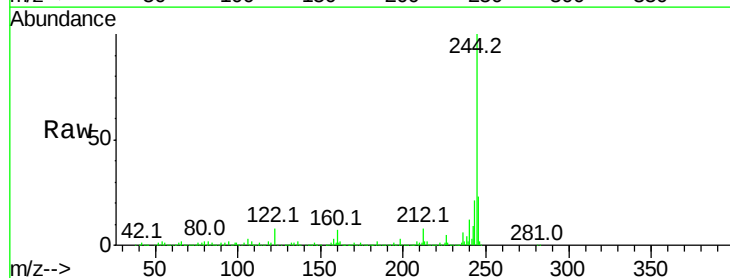
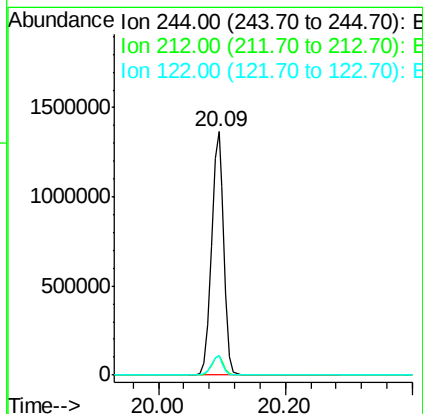
RT: 20.09 min Scan# 2860

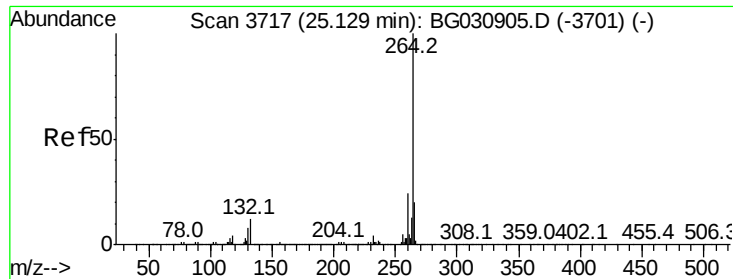
Delta R.T. -0.00 min

Lab File: BG030938.D

Acq: 11 Nov 2017 11:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	7.9	7.0	10.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.08 min Scan# 3708
 Delta R.T. -0.01 min
 Lab File: BG030938.D
 Acq: 11 Nov 2017 11:30

Instrument :
 BNA_G
 ClientSampleId :
 LS-CONCRETE

Tot Ion:	264	Resp:	440207
Ion Ratio		Lower	Upper
264	100		
260	23.0	17.4	26.0
265	21.7	17.7	26.5

Manual Integrations
 APPROVED

SOHIL
 11/13/2017 4:55:22 PM

