

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041718\
 Data File : BG033853.D
 Acq On : 17 Apr 2018 20:22
 Operator : SJ/JU
 Sample : J2410-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T-2

Manual Integrations
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Quant Time: Apr 18 04:23:33 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 18:35:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	27155	20.00	ng	0.00
21) Naphthalene-d8	11.71	136	140127	20.00	ng	0.00
38) Acenaphthene-d10	15.44	164	114736	20.00	ng	0.00
63) Phenanthrene-d10	18.18	188	338599	20.00	ng	0.00
75) Chrysene-d12	22.52	240	337191	20.00	ng	-0.02
86) Perylene-d12	26.26	264	362792	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	6.26	112	238528	164.71	ng	0.00
7) Phenol-d6	7.96	99	364556m	146.51	ng	0.00
23) Nitrobenzene-d5	10.03	82	308093	101.02	ng	0.00
41) 2,4,6-Tribromophenol	16.92	330	281072	163.79	ng	0.00
44) 2-Fluorobiphenyl	14.07	172	822379	103.47	ng	0.00
78) Terphenyl-d14	20.70	244	1676593	106.34	ng	0.00
Target Compounds						
76) Benzidine	20.37	184	33025	3.612	ng	Qvalue # 94

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

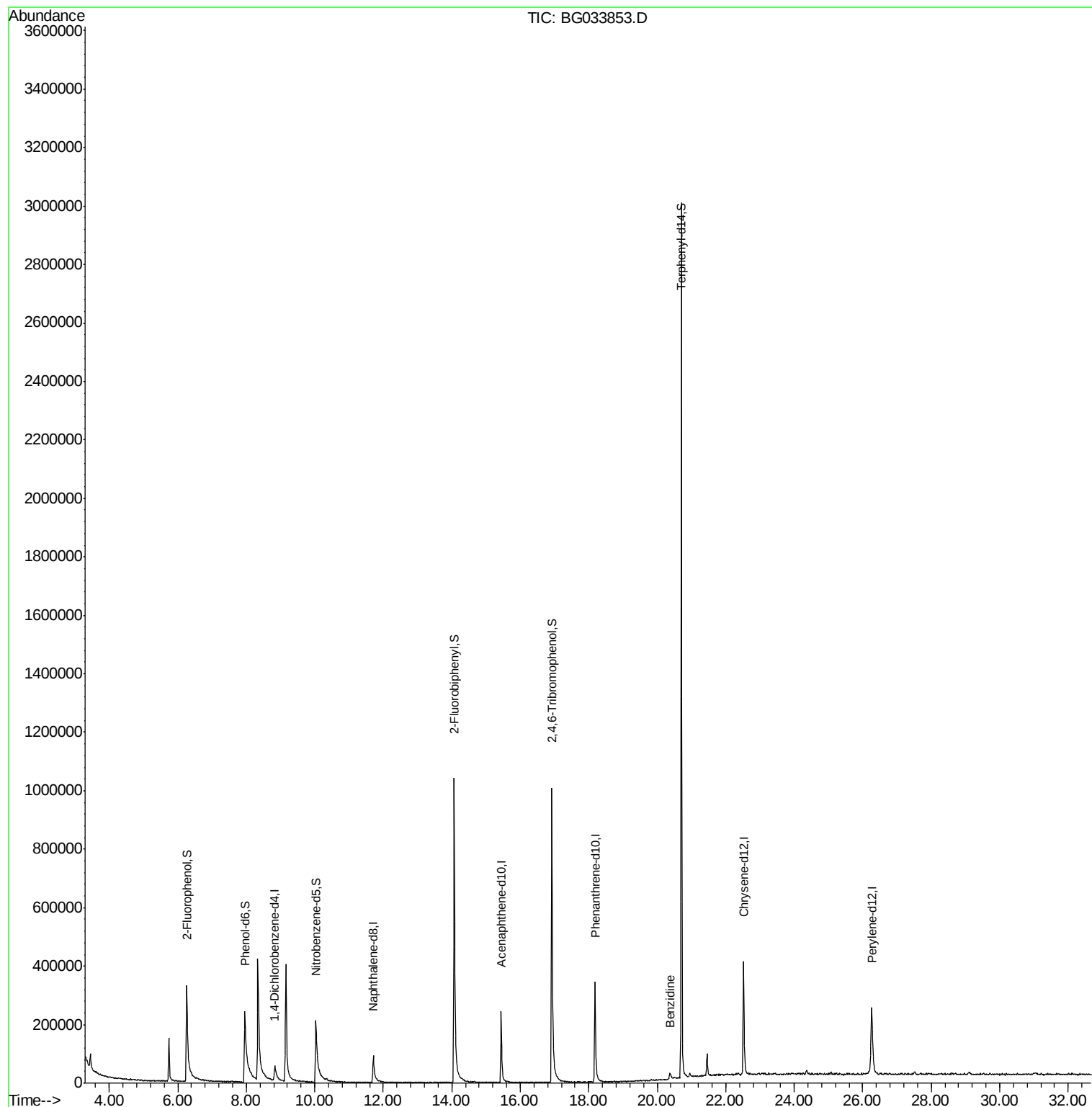
Data Path : Z:\HPCHEM1\BNA G\DATA\BG041718\
Data File : BG033853.D
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Operator : SJ/JU
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ALS Vial : 9 Sample Multiplier: 1

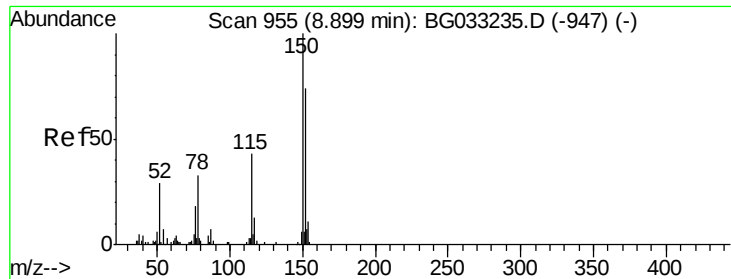
Instrument :
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#1

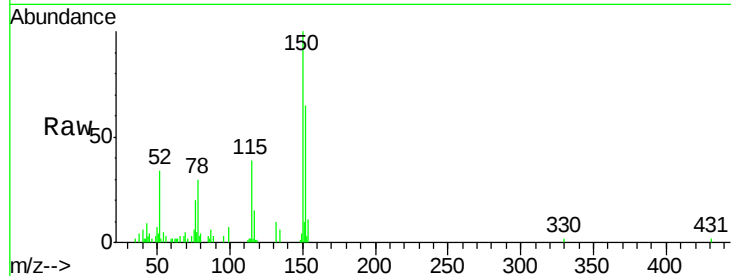
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 944
Delta R.T. 0.00 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

Instrument :
BNA_G
ClientSampled :
T-2

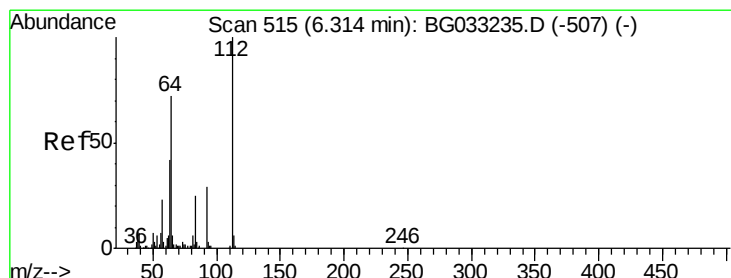
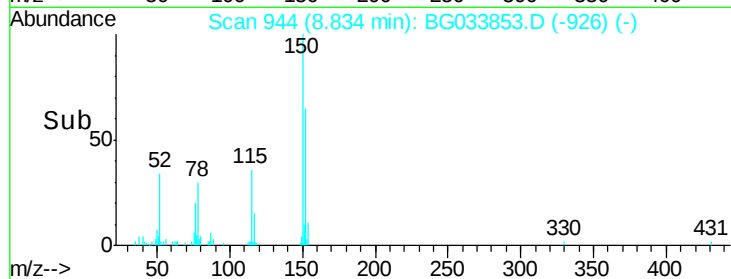
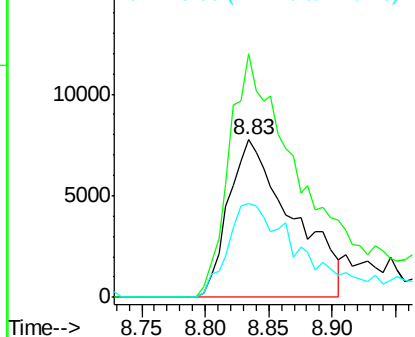
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.6	189.8
115	59.6	53.0	79.4

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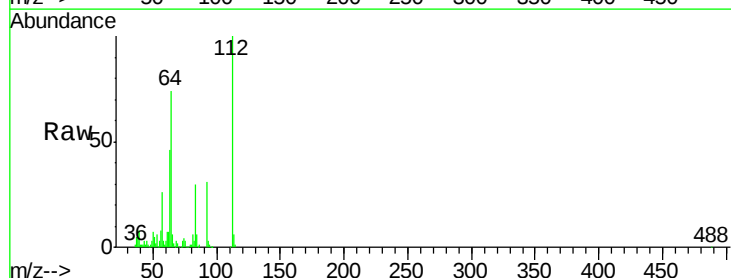
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



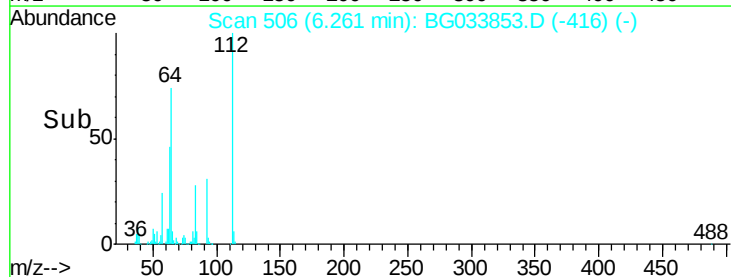
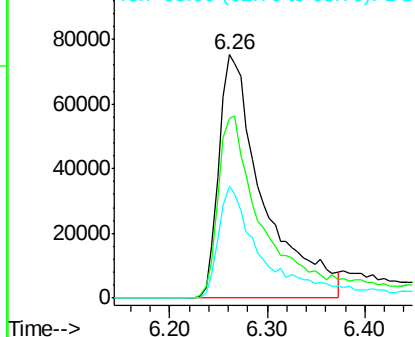
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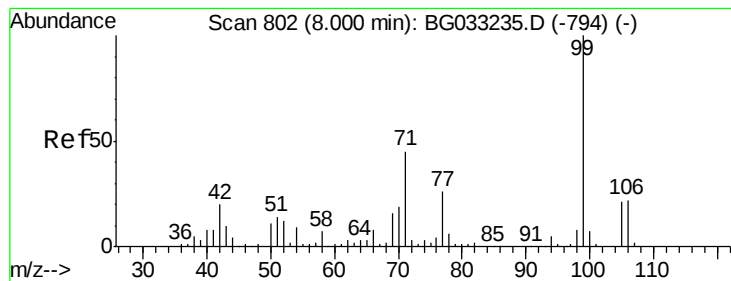
2-Fluorophenol
Concen: 164.710 ng
RT: 6.26 min Scan# 506
Delta R.T. -0.00 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.7	56.3	84.5
63	46.0	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: 146.510 ng/mL

RT: 7.96 min Scan# 795

Delta R.T. -0.00 min

Lab File: BG033853.D

Acq: 17 Apr 2018 20:22

Instrument :

BNA_G

ClientSampled :

T-2

Tot Ion: 99 Resp: 364556

Ion Ratio Lower Upper

99 100

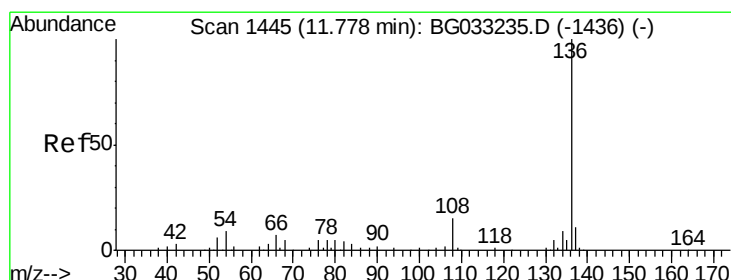
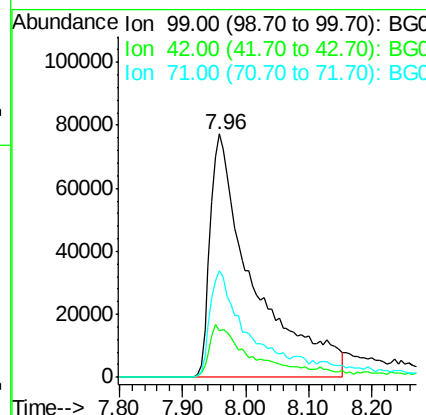
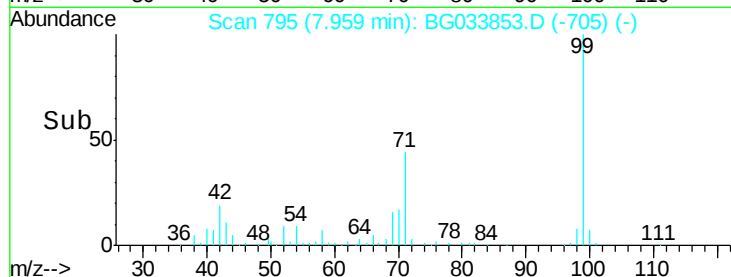
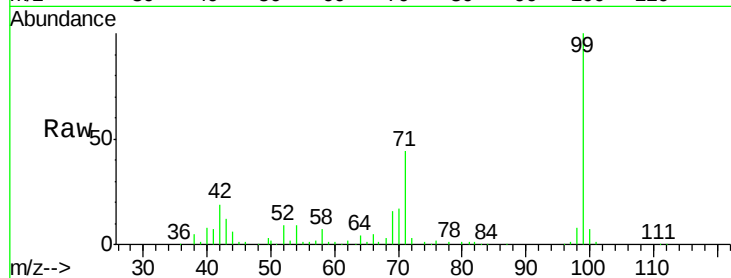
42 19.3 14.1 21.1

71 43.6 26.1 39.1#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.71 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BG033853.D

Acq: 17 Apr 2018 20:22

Tgt Ion: 136 Resp: 140127

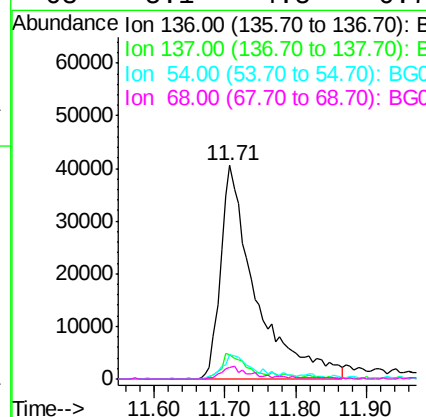
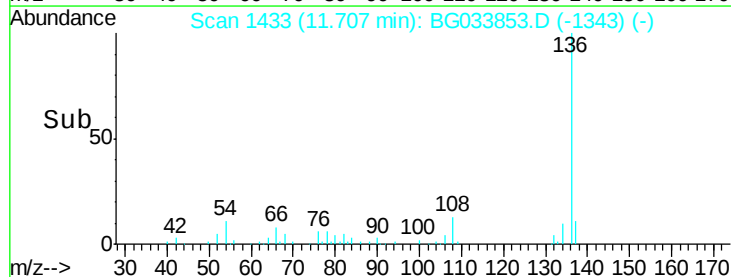
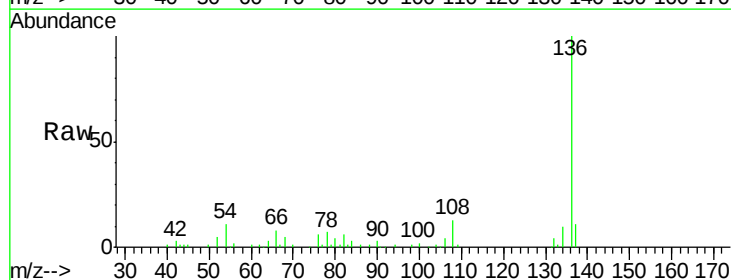
Ion Ratio Lower Upper

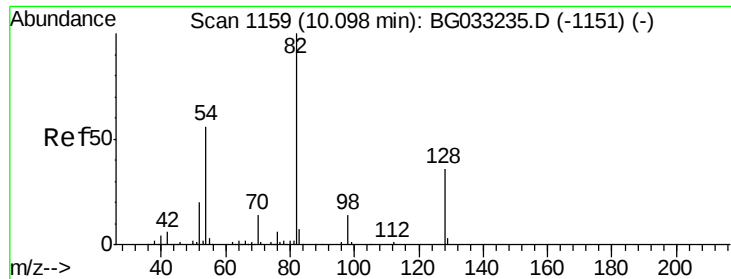
136 100

137 11.1 9.2 13.8

54 11.2 10.3 15.5

68 5.1 4.5 6.7





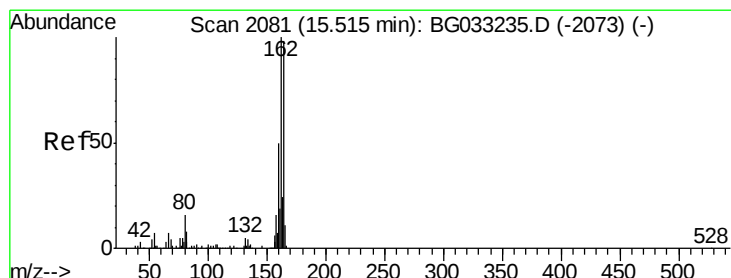
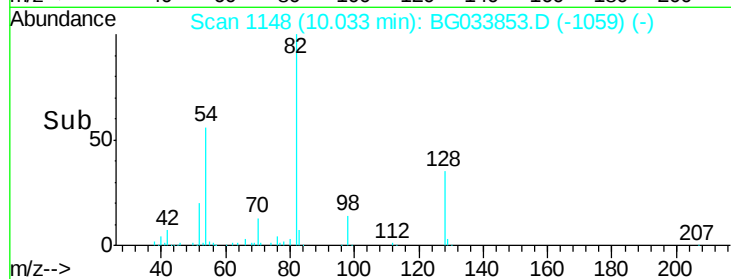
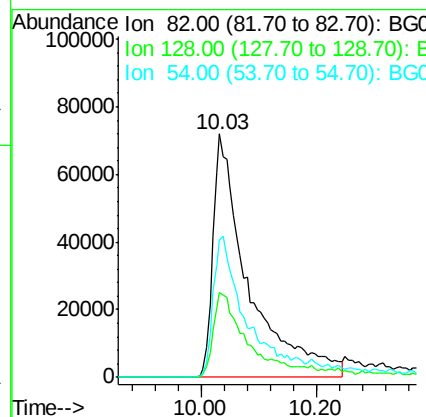
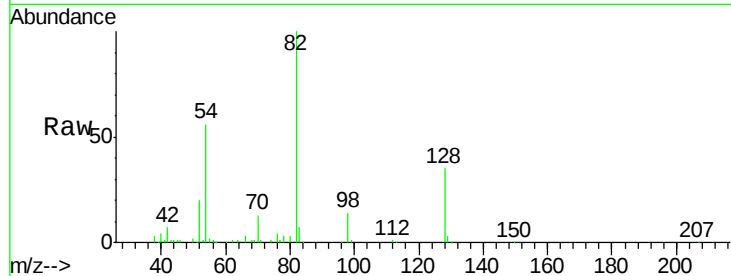
#23
 Nitrobenzene-d5
 Concen: 101.016 ng
 RT: 10.03 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BG033853.D
 Acq: 17 Apr 2018 20:22

Instrument :
 BNA_G
 ClientSampled :
 T-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.9	29.7	44.5
54	56.3	43.1	64.7

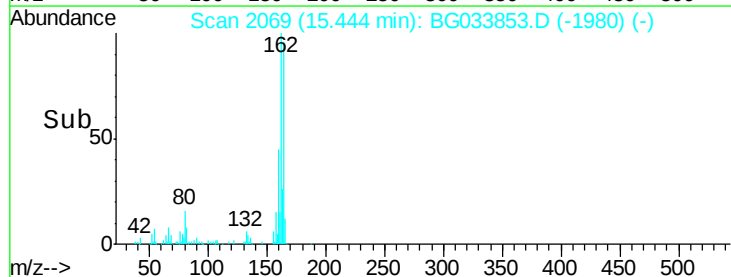
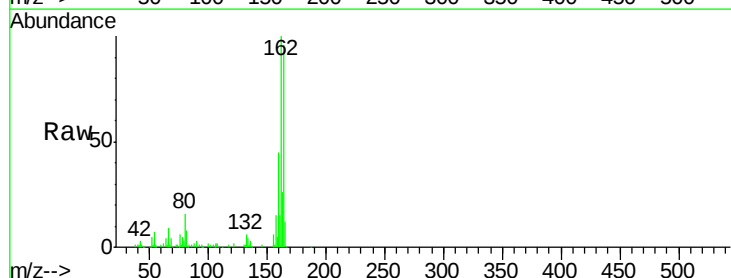
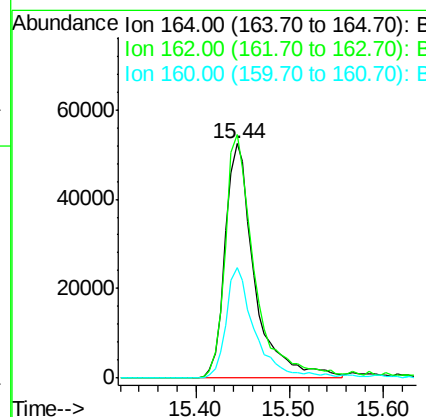
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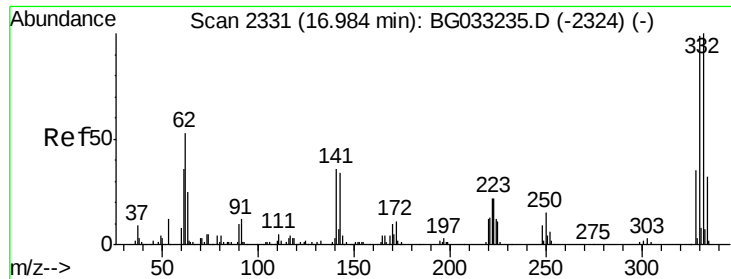
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: BG033853.D
 Acq: 17 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	78.8	118.2
160	47.3	35.4	53.0





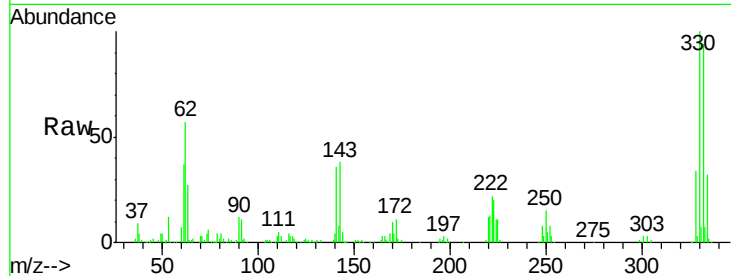
#41
 2,4,6-Tribromophenol
 Concen: 163.794 ng
 RT: 16.92 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BG033853.D
 Acq: 17 Apr 2018 20:22

Instrument :
 BNA_G
 ClientSampled :
 T-2

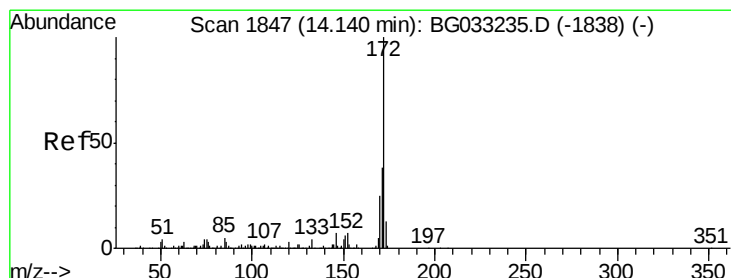
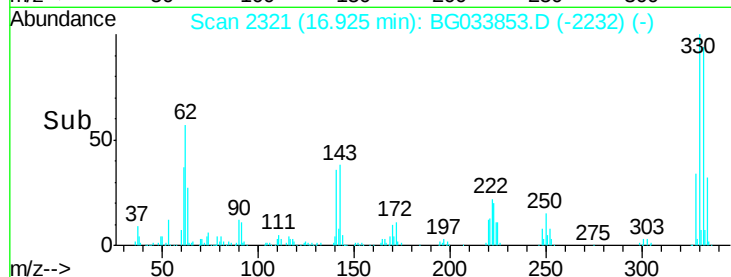
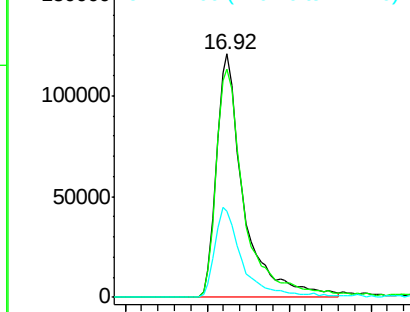
Tot Ion	Ratio	Resp	Lower	Upper
330	100	281072		
332	97.3	77.0	115.6	
141	36.2	25.2	37.8	

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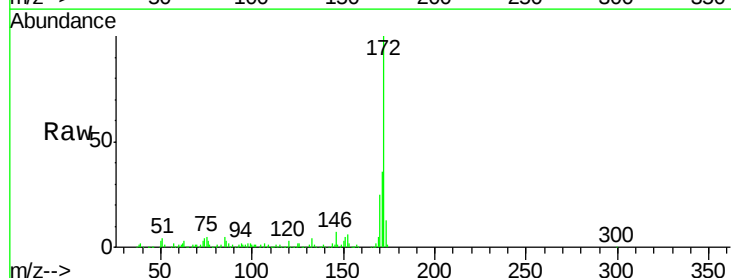


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

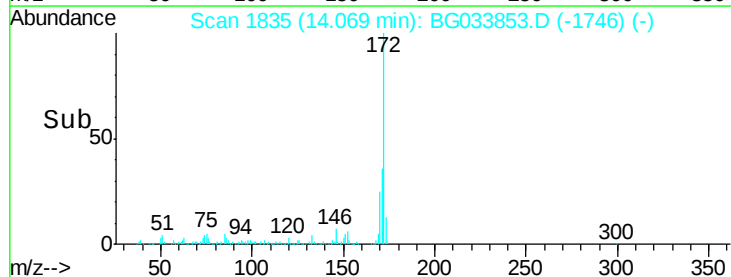
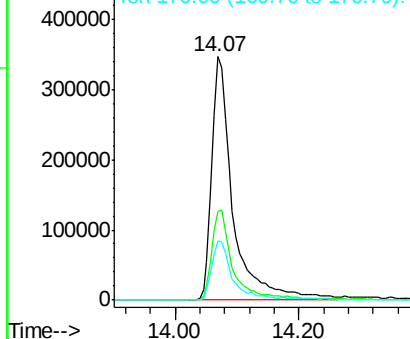


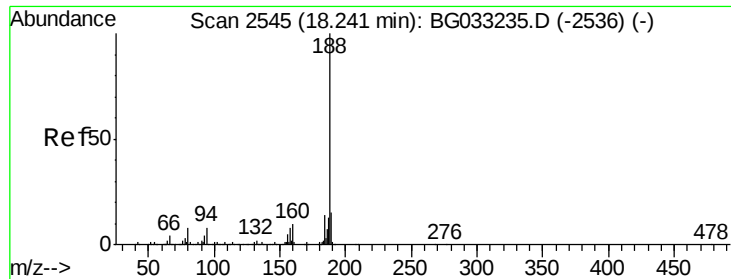
#44
 2-Fluorobiphenyl
 Concen: 103.474 ng
 RT: 14.07 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BG033853.D
 Acq: 17 Apr 2018 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	822379		
171	36.3	30.0	45.0	
170	24.5	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





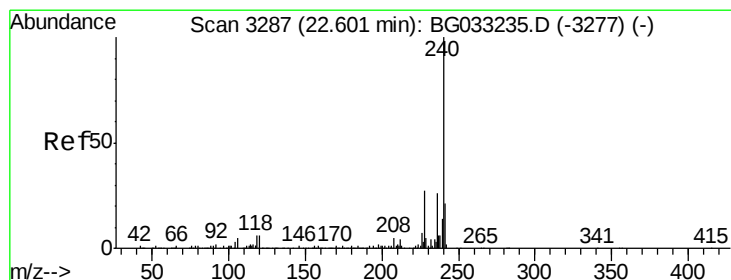
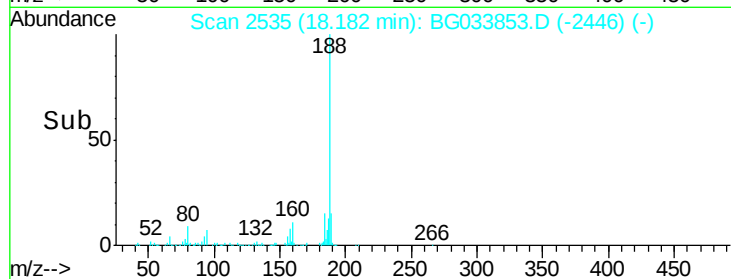
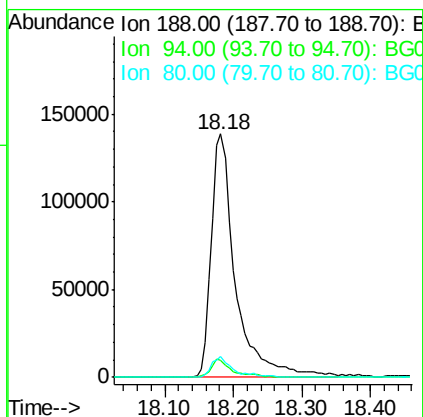
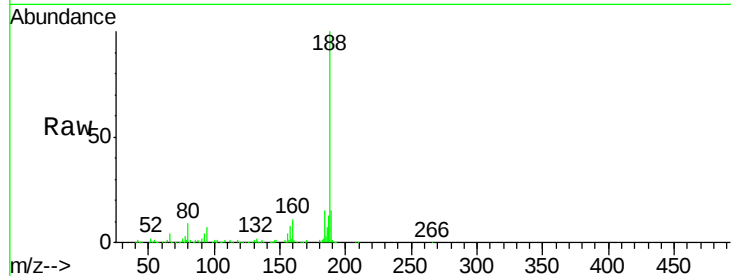
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.18 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

Instrument :
BNA_G
ClientSampled :
T-2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.1	6.9	10.3
80	8.5	7.7	11.5

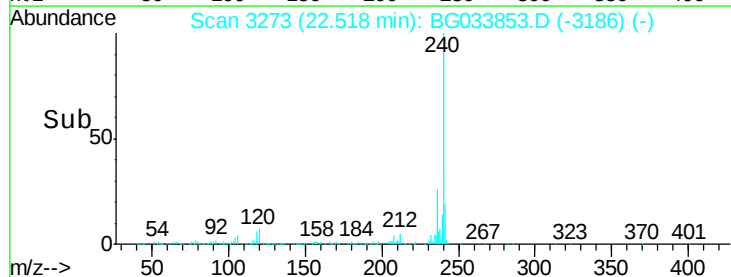
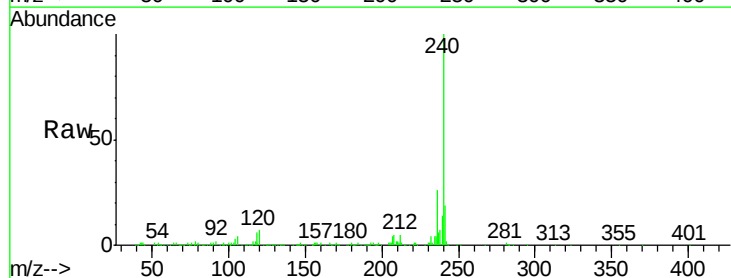
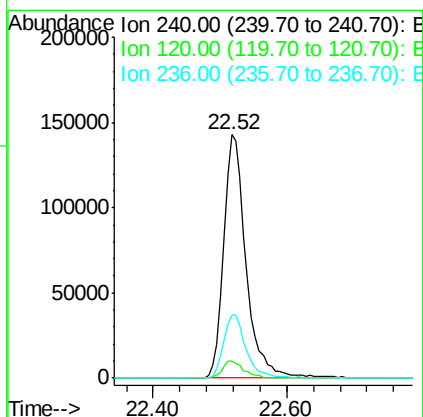
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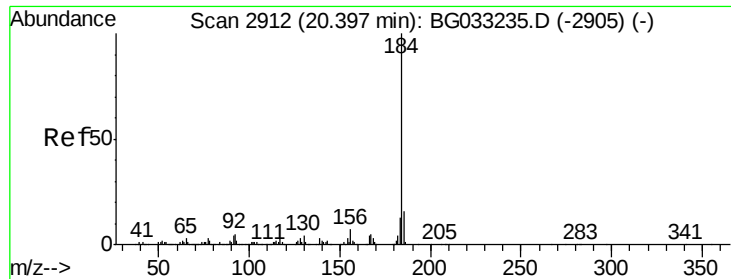
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.52 min Scan# 3273
Delta R.T. -0.02 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	6.8	6.8	10.2#
236	26.1	20.9	31.3





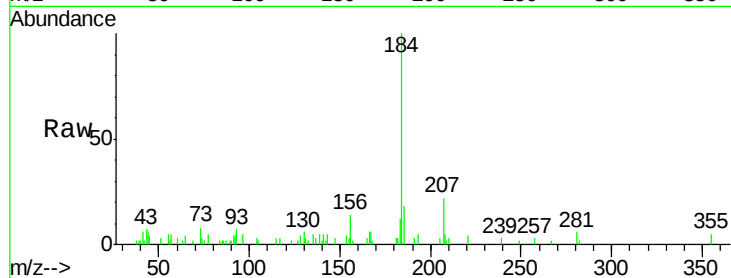
#76
Benzidine
Concen: 3.612 ng
RT: 20.37 min Scan# 2908
Delta R.T. 0.00 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

Instrument :
BNA_G
ClientSampleId :
T-2

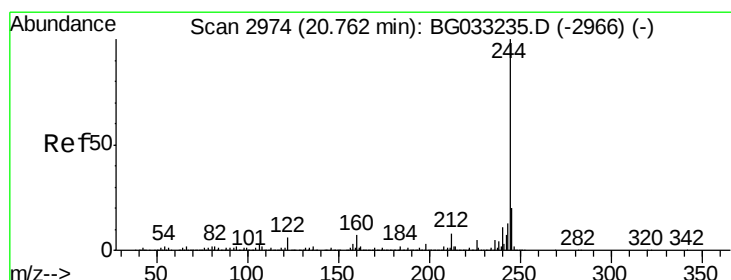
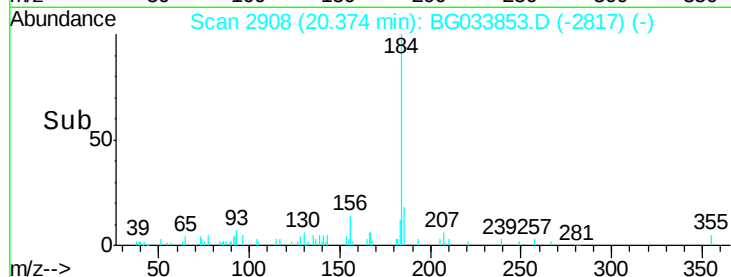
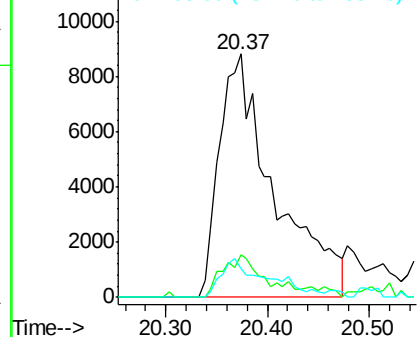
Tot Ion	Ratio	Lower	Upper
184	100		
185	17.6	11.1	16.7#
183	11.9	10.6	16.0

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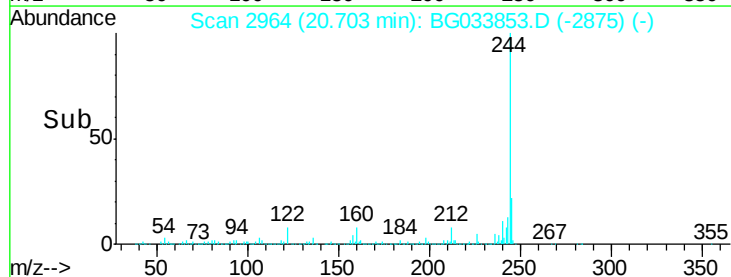
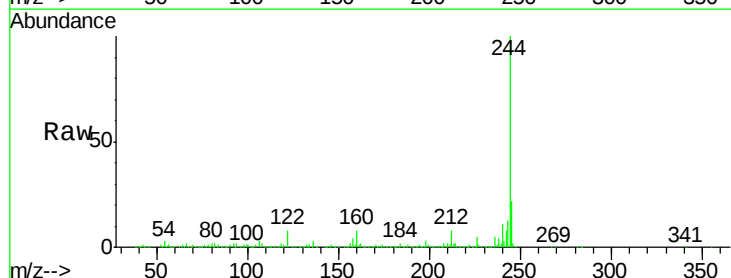
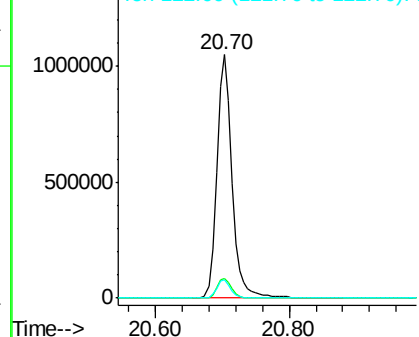
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78
Terphenyl-d14
Concen: 106.337 ng
RT: 20.70 min Scan# 2964
Delta R.T. -0.01 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.8
122	7.5	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
Pervlene-d12
Concen: 20.000 ng
RT: 26.26 min Scan# 3910
Delta R.T. -0.05 min
Lab File: BG033853.D
Acq: 17 Apr 2018 20:22

Instrument :
BNA_G
ClientSampleId :
T-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	21.2	17.7	26.5

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