

Quantitation Report (QT Reviewed)

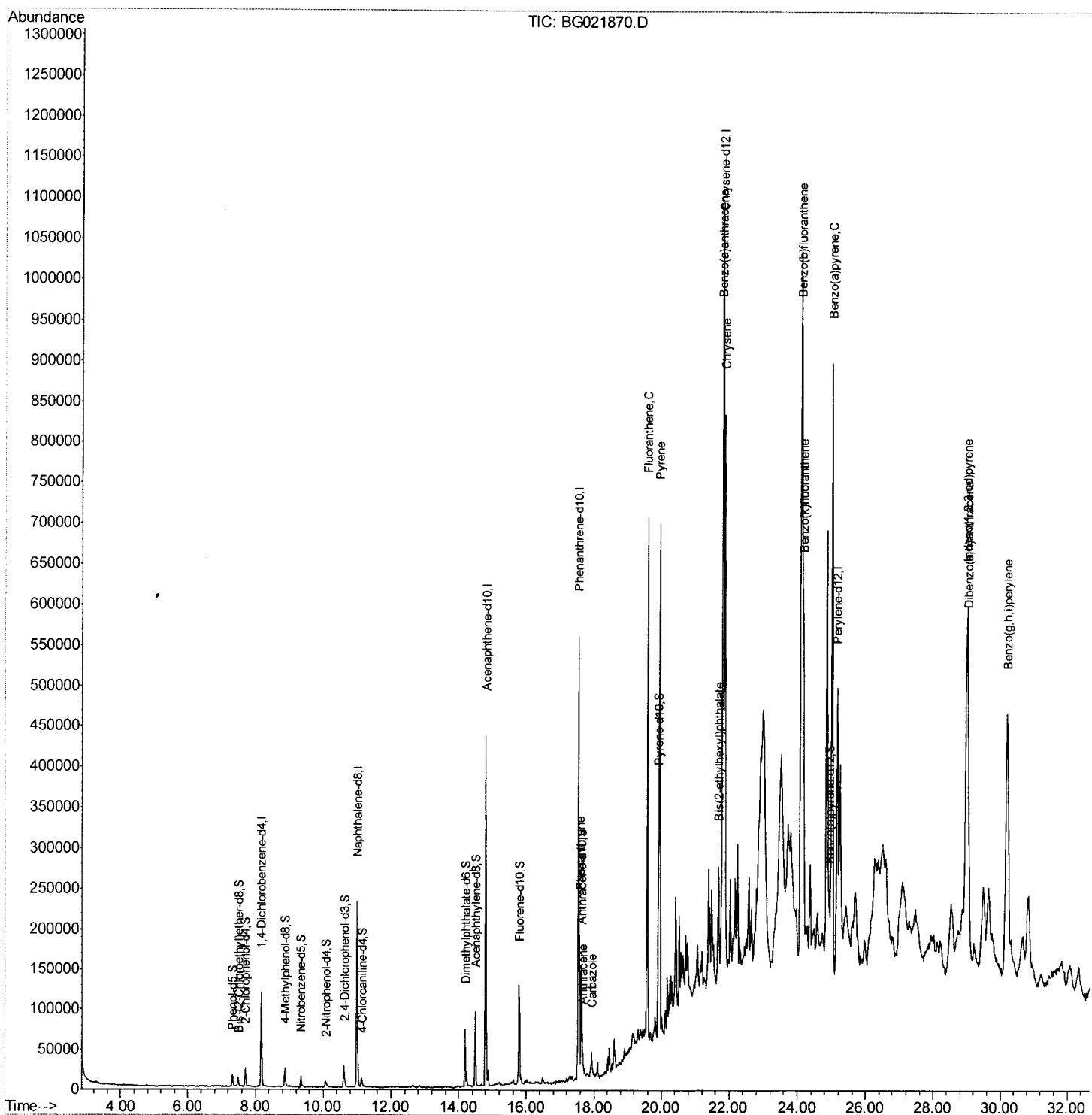
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021870.D
 Acq On : 12 May 2016 15:53
 Operator : UM/SJ
 Sample : H2936-09DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WJ8DL

Manual Integrations
 APPROVED

sohil
 5/13/2016 8:11:29 PM

Quant Time: May 13 05:53:29 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration



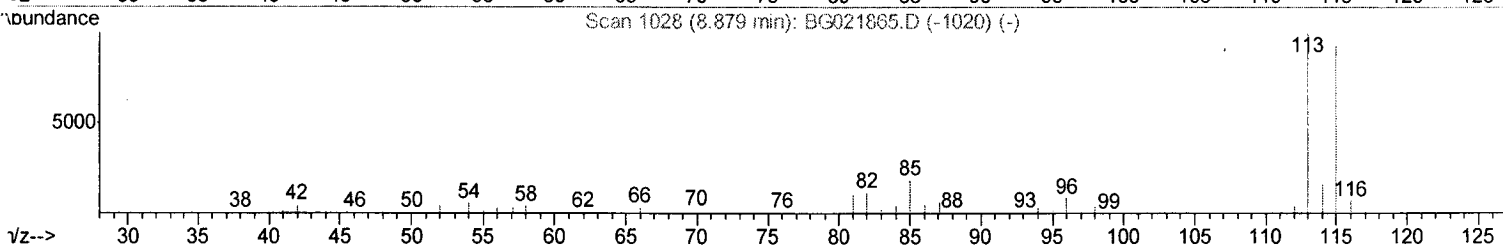
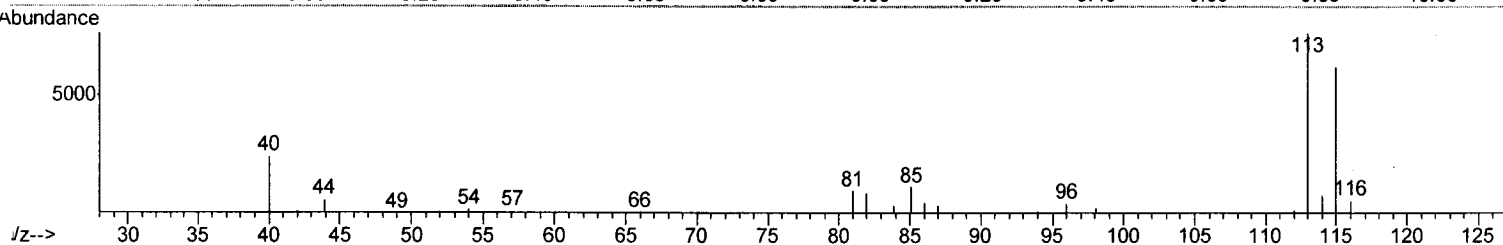
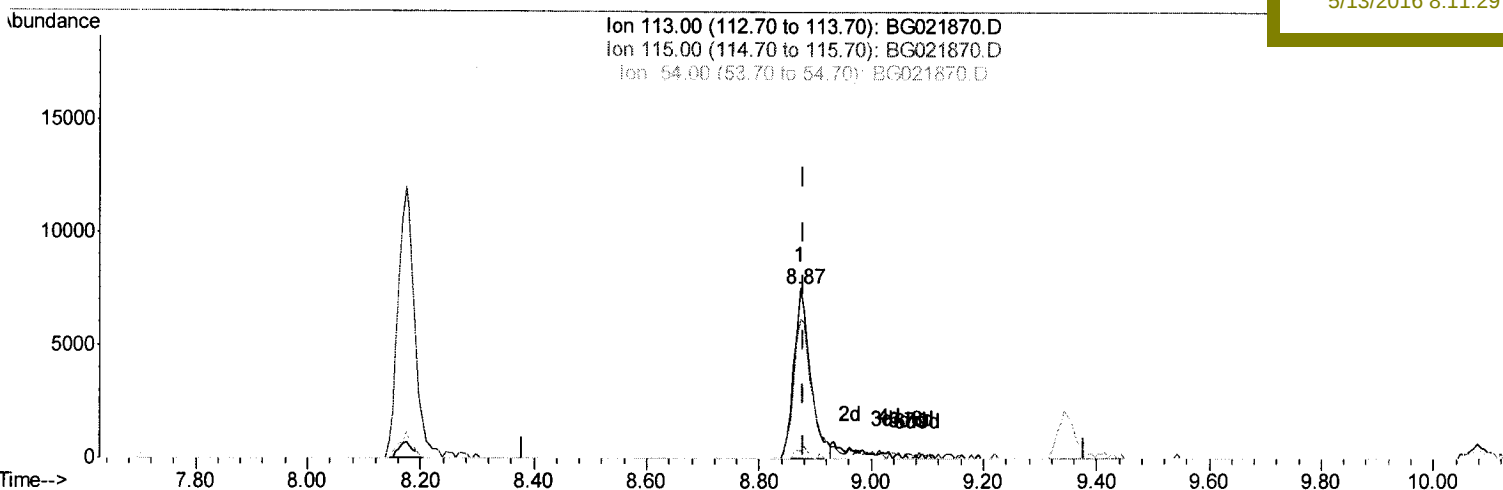
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TIC: BG021870.D

(13) 4-Methylphenol-d8 (S)

8.873min (-0.006) 5.14ng/ul

response 15163

Ion	Exp%	Act%
113.00	100	100
115.00	93.40	81.43
54.00	18.70	4.49#
0.00	0.00	0.00

Quantitation Report (Qedit)

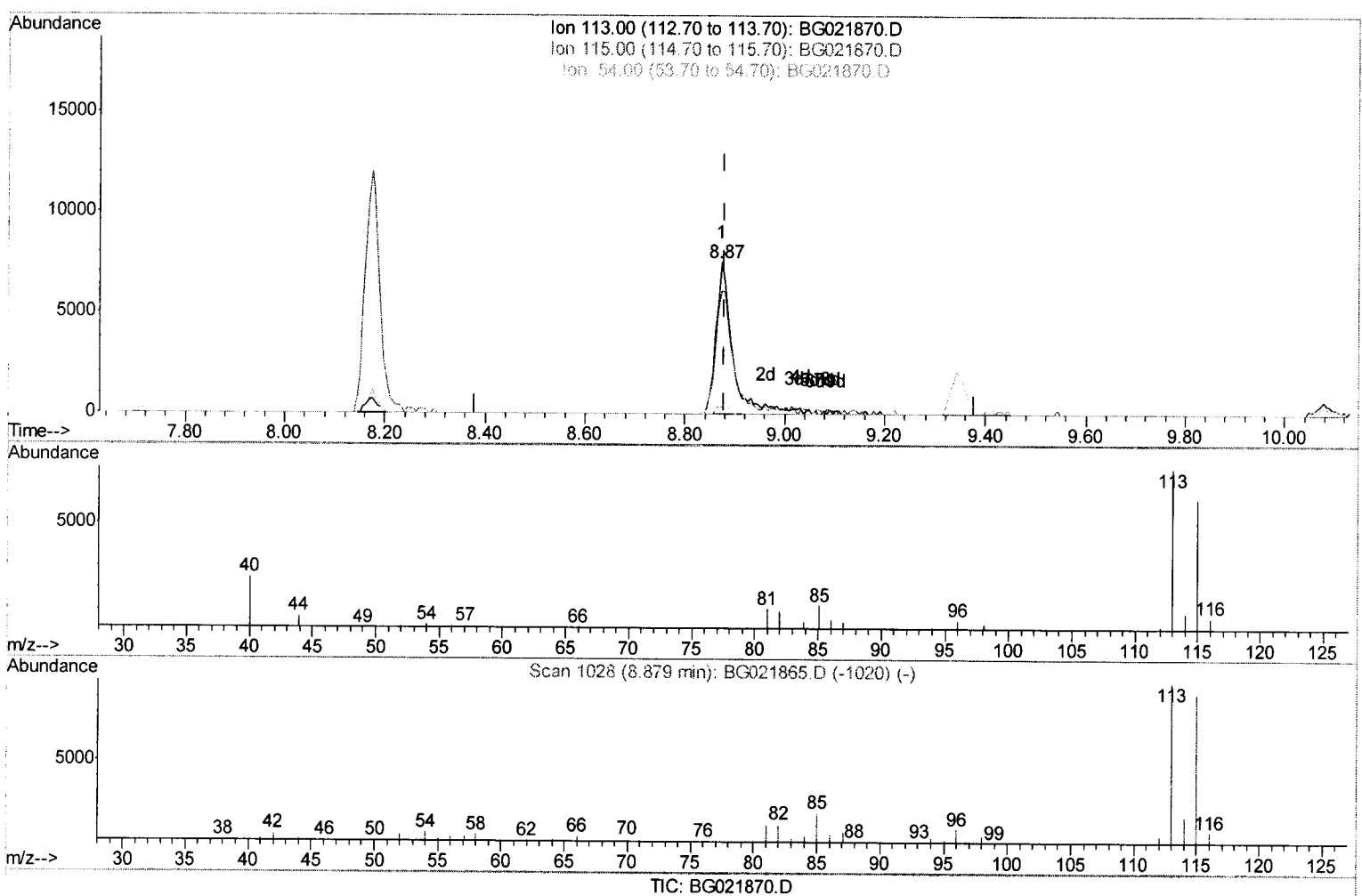
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(13) 4-Methylphenol-d8 (S)

8.873min (-0.006) 5.90ng/ul m

response 17384

Ion	Exp%	Act%
113.00	100	100
115.00	93.40	81.43
54.00	18.70	4.49#
0.00	0.00	0.00

> U.M
 05/16/16

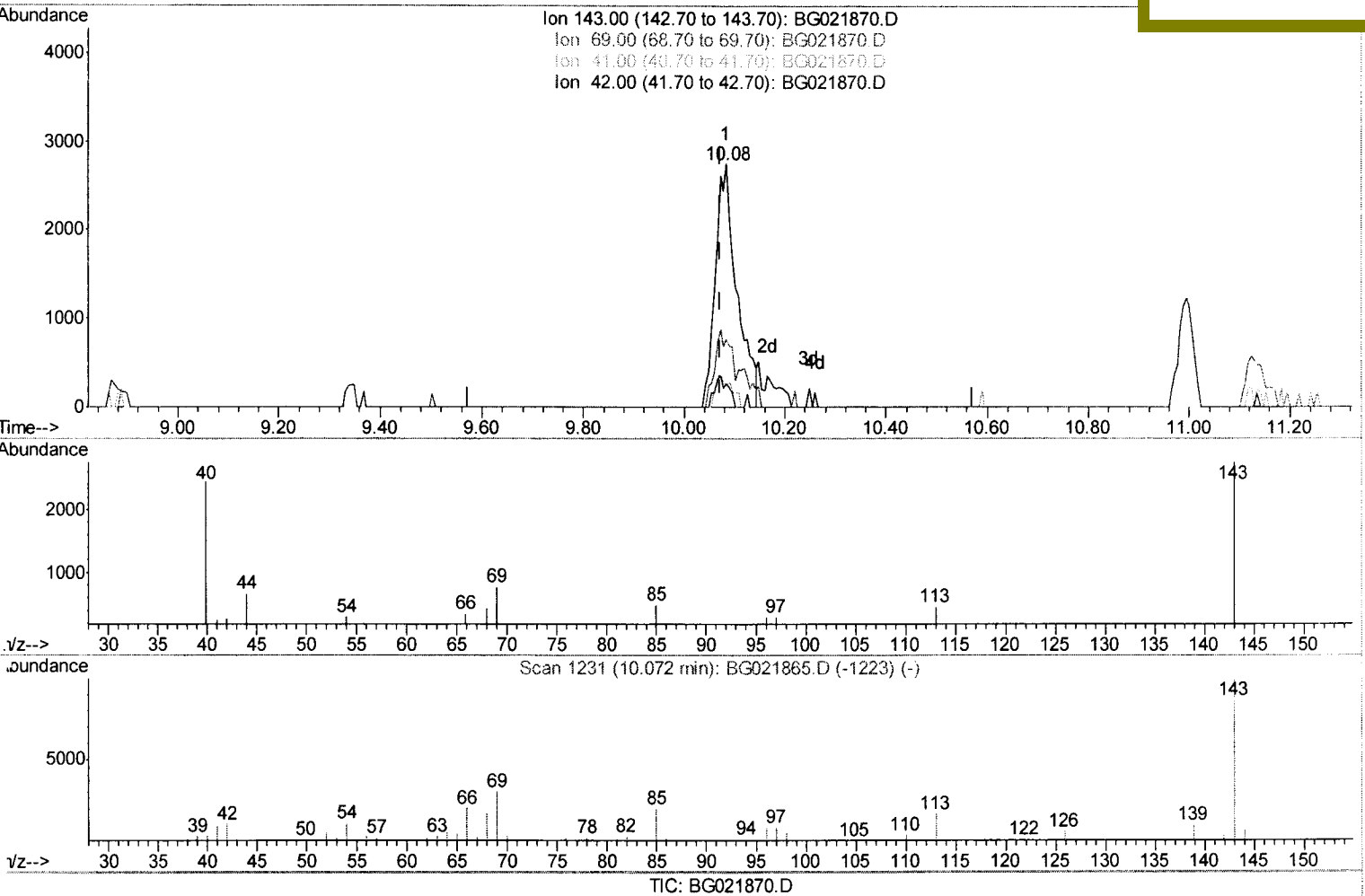
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(22) 2-Nitrophenol-d4 (S)

10.084min (+0.012) 7.44ng/ul

response 8071

Ion	Exp%	Act%
143.00	100	100
69.00	76.10	27.70#
41.00	34.20	9.06#
42.00	33.20	9.46#

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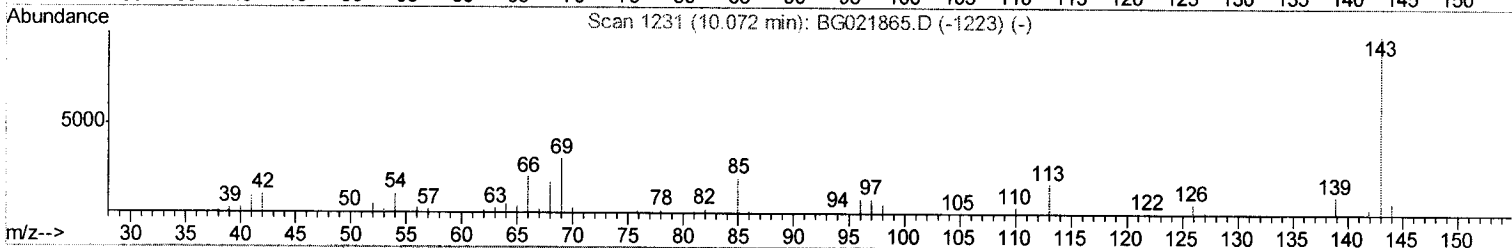
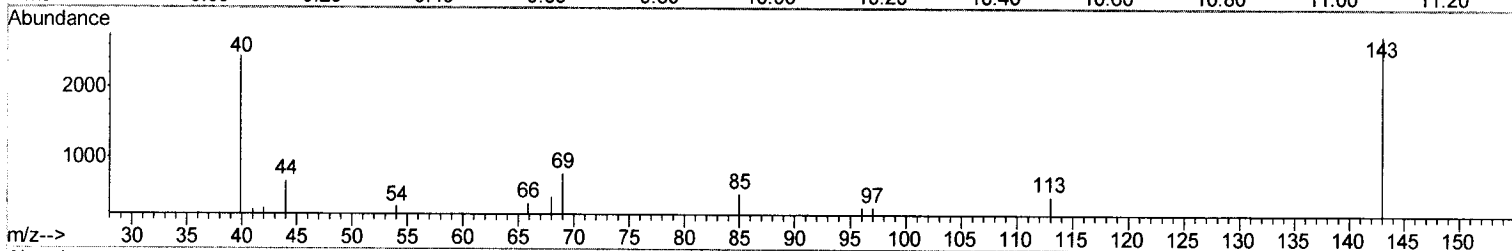
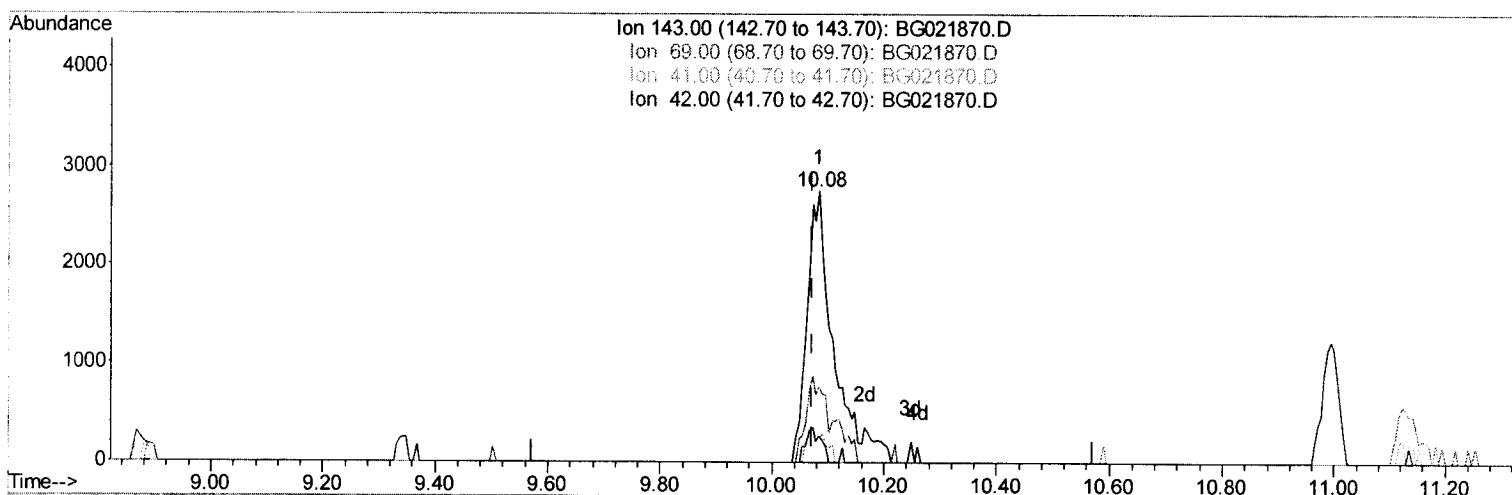
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TIC: BG021870.D

(22) 2-Nitrophenol-d4 (S)

10.084min (+0.012) 8.34ng/ul m

response 9048

Ion	Exp%	Act%
143.00	100	100
69.00	76.10	27.70#
41.00	34.20	9.06#
42.00	33.20	9.46#

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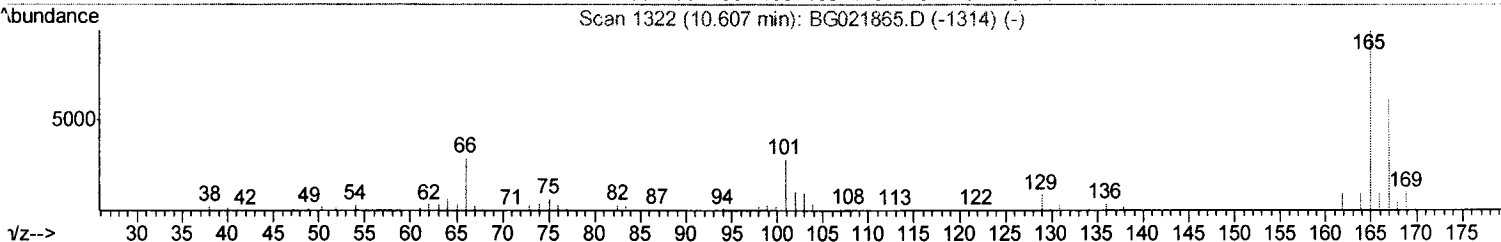
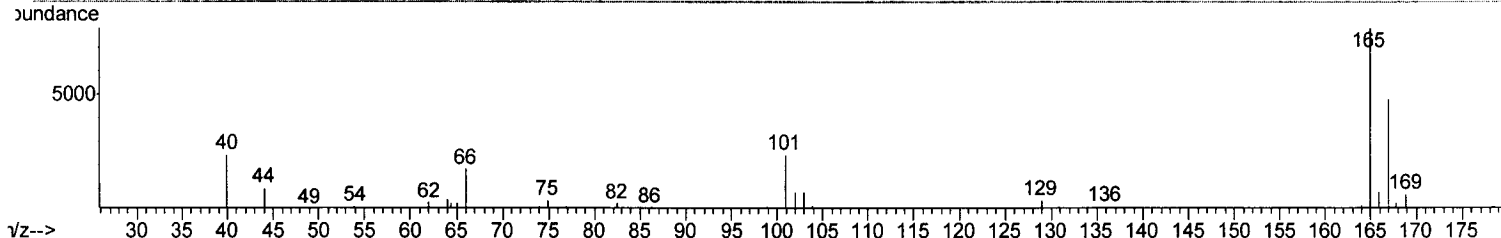
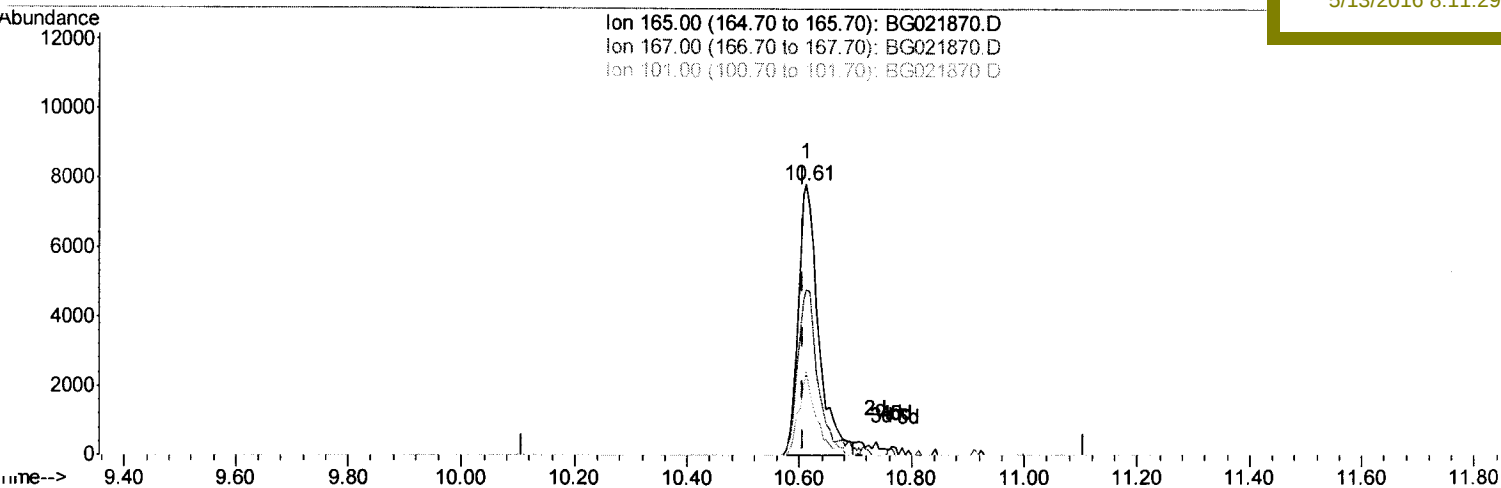
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TIC: BG021870.D

(26) 2,4-Dichlorophenol-d3 (S)

10.612min (+0.006) 6.35ng/ul

response 19494

Ion	Exp%	Act%
165.00	100	100
167.00	66.50	60.96
101.00	41.00	30.91#
0.00	0.00	0.00

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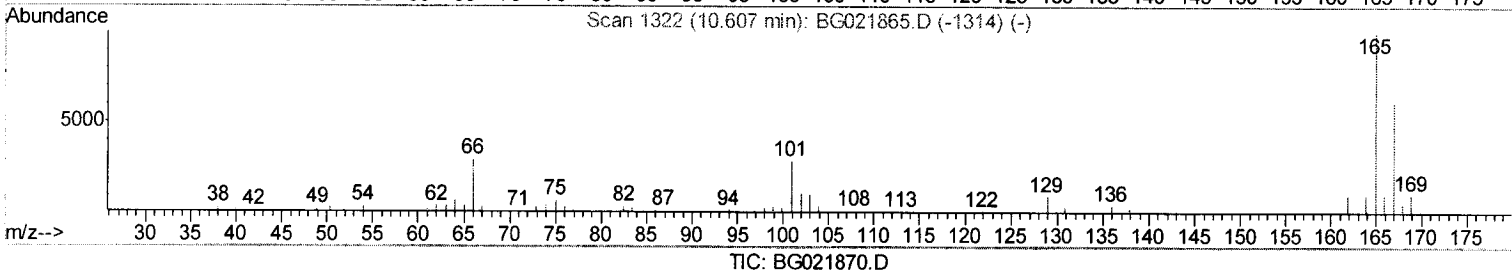
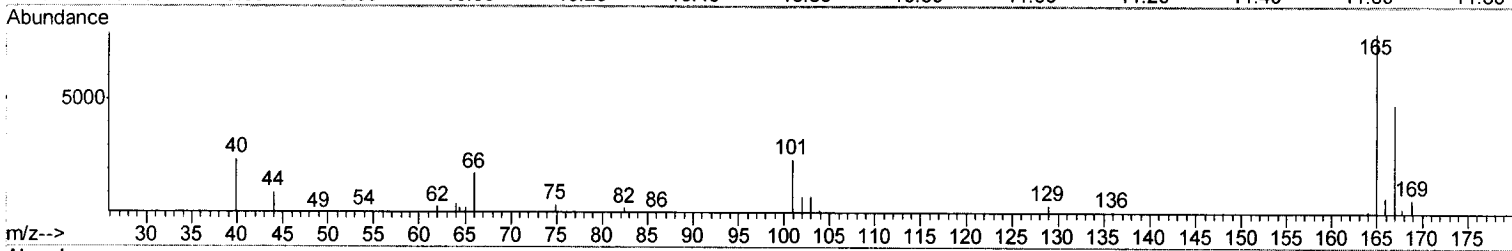
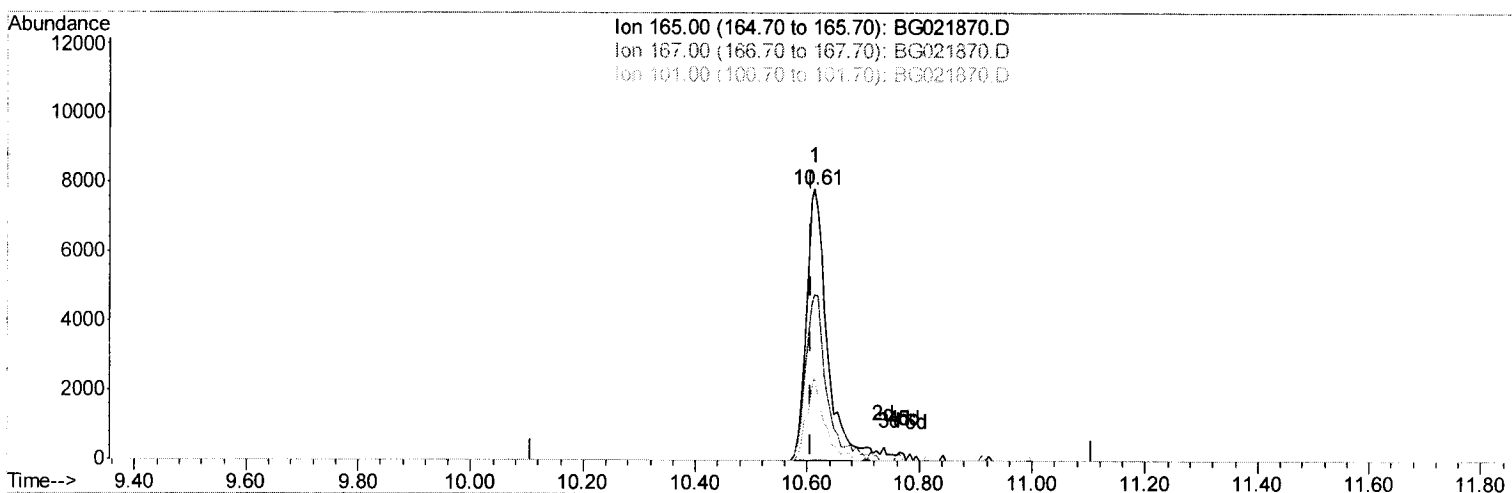
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 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual Integrations
 APPROVED

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(26) 2,4-Dichlorophenol-d3 (S)

10.612min (+0.006) 6.74ng/ul m

response 20664

Ion	Exp%	Act%
165.00	100	100
167.00	66.50	60.96
101.00	41.00	30.91#
0.00	0.00	0.00

> U.M
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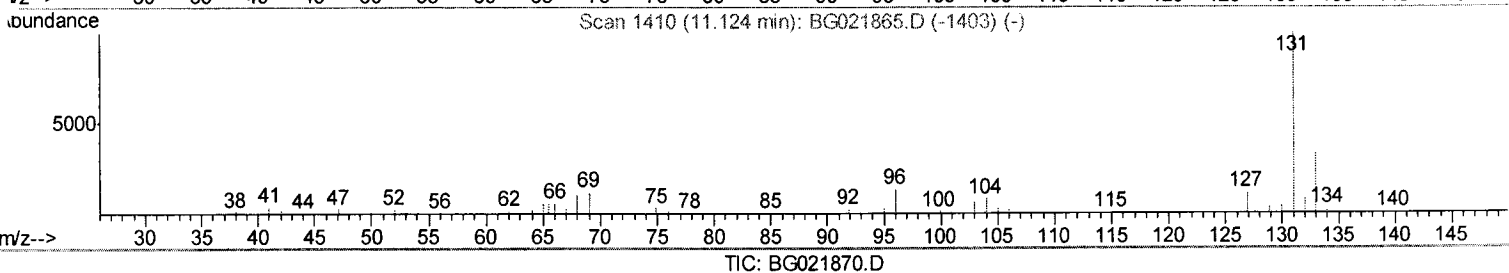
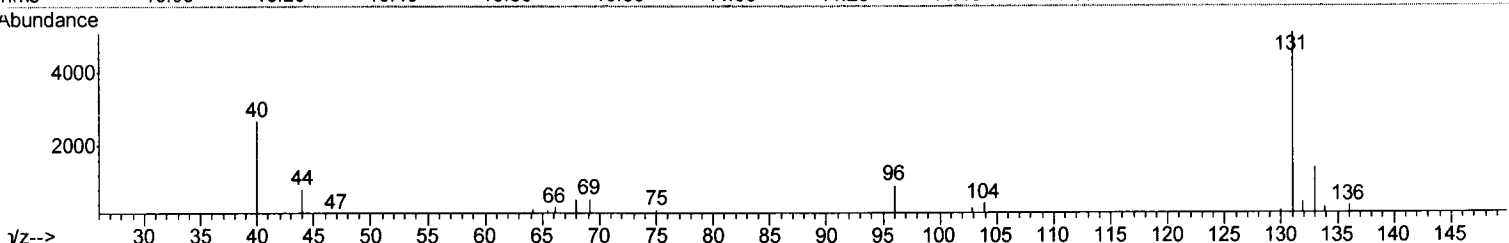
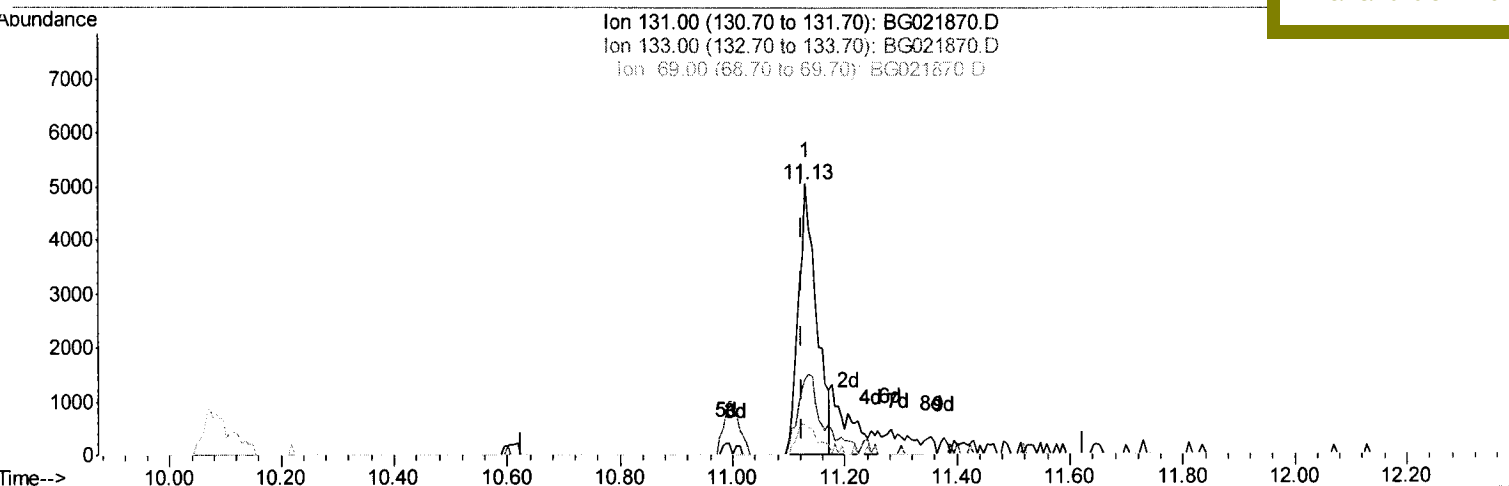
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TIC: BG021870.D

(29) 4-Chloroaniline-d4 (S)

11.130min (+0.006) 3.43ng/ul

response 11336

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	27.55#
69.00	23.00	10.72#
0.00	0.00	0.00

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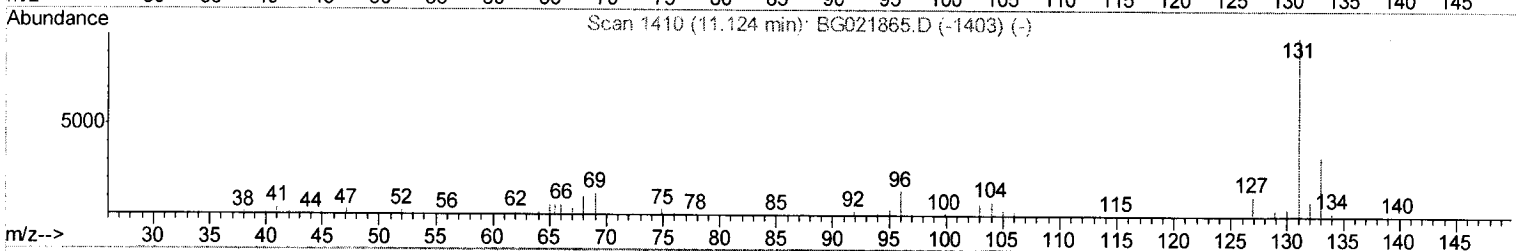
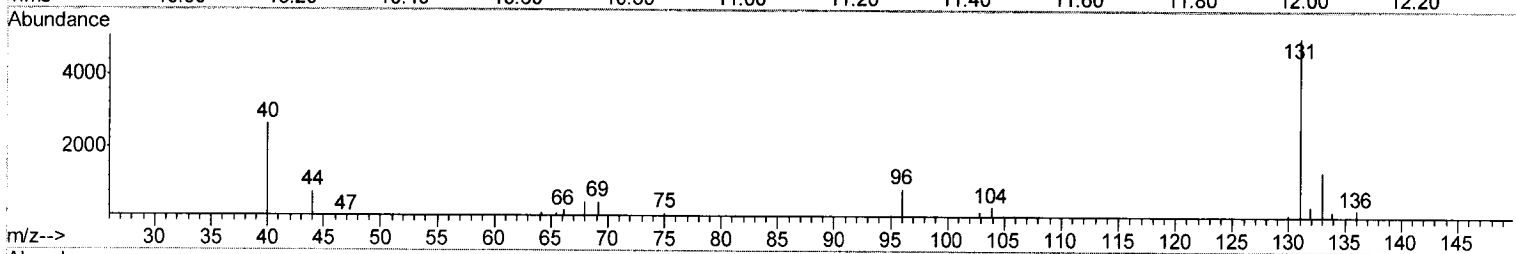
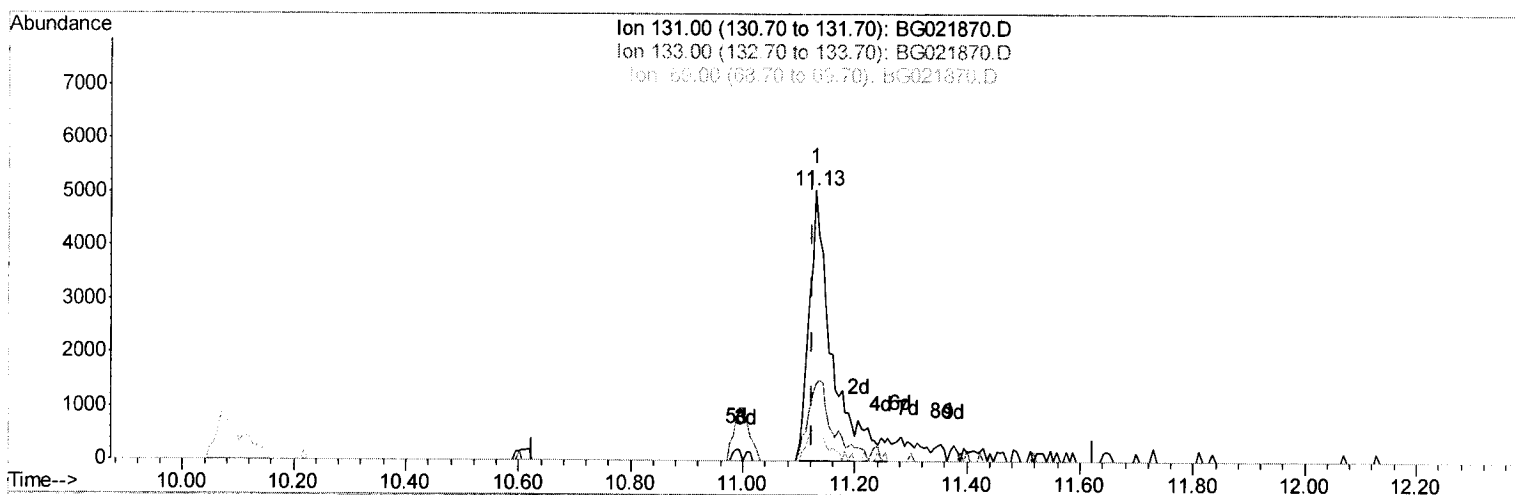
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TIC: BG021870.D

(29) 4-Chloroaniline-d4 (S)

11.130min (+0.006) 4.95ng/ul m

response 16342

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	27.55#
69.00	23.00	10.72#
0.00	0.00	0.00

> U.M
 05/16/16

Quantitation Report (Qedit)

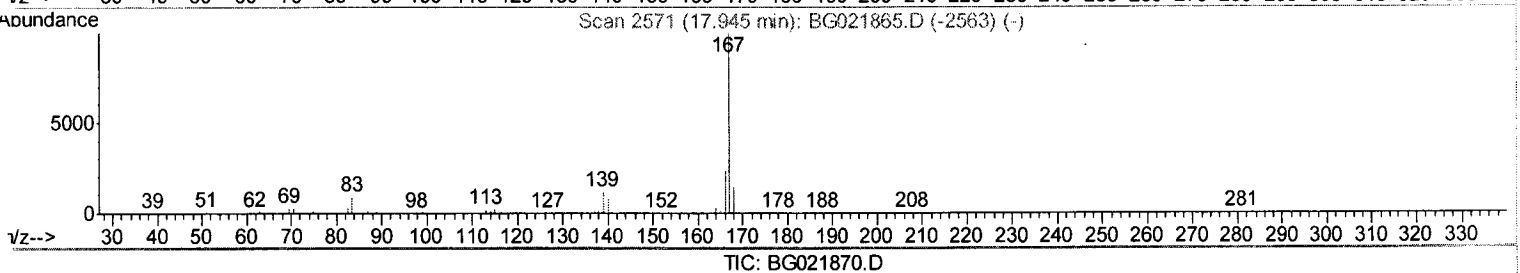
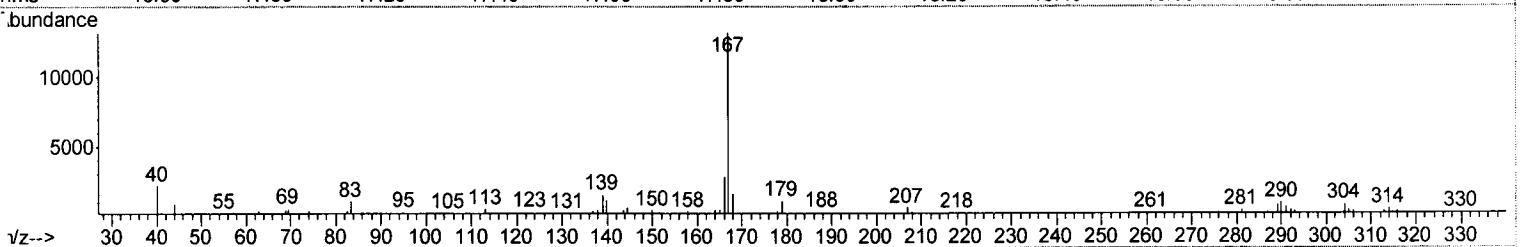
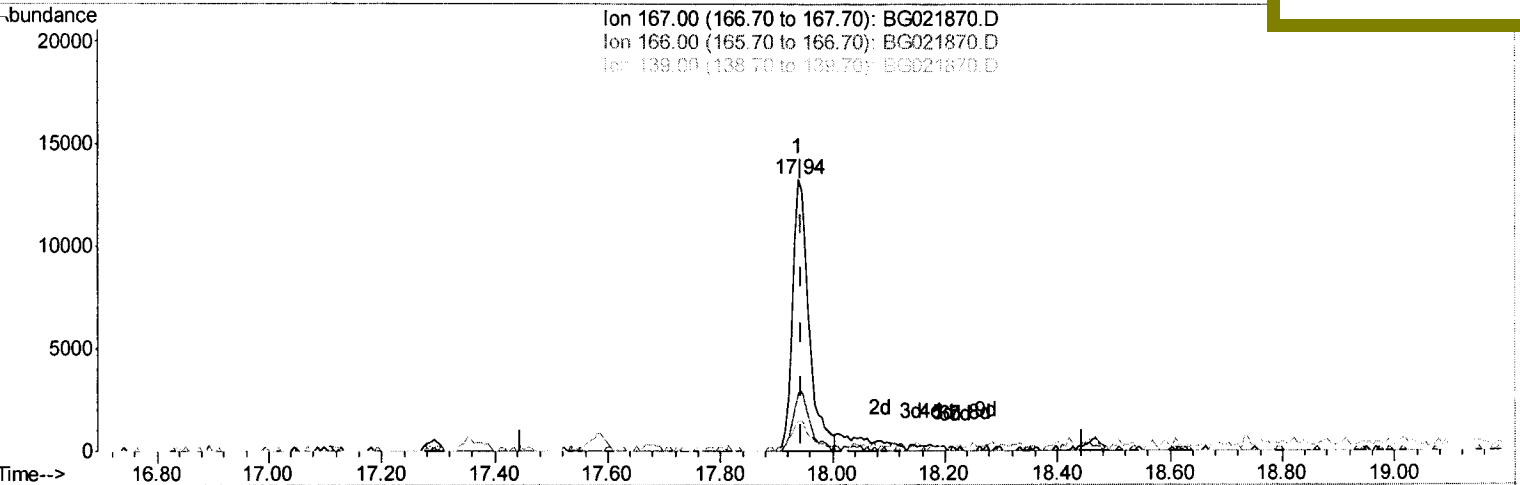
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TIC: BG021870.D

(73) Carbazole

17.939min (-0.006) 1.46ng/ul

response 26666

Ion	Exp%	Act%
167.00	100	100
166.00	23.70	21.18
139.00	15.30	11.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

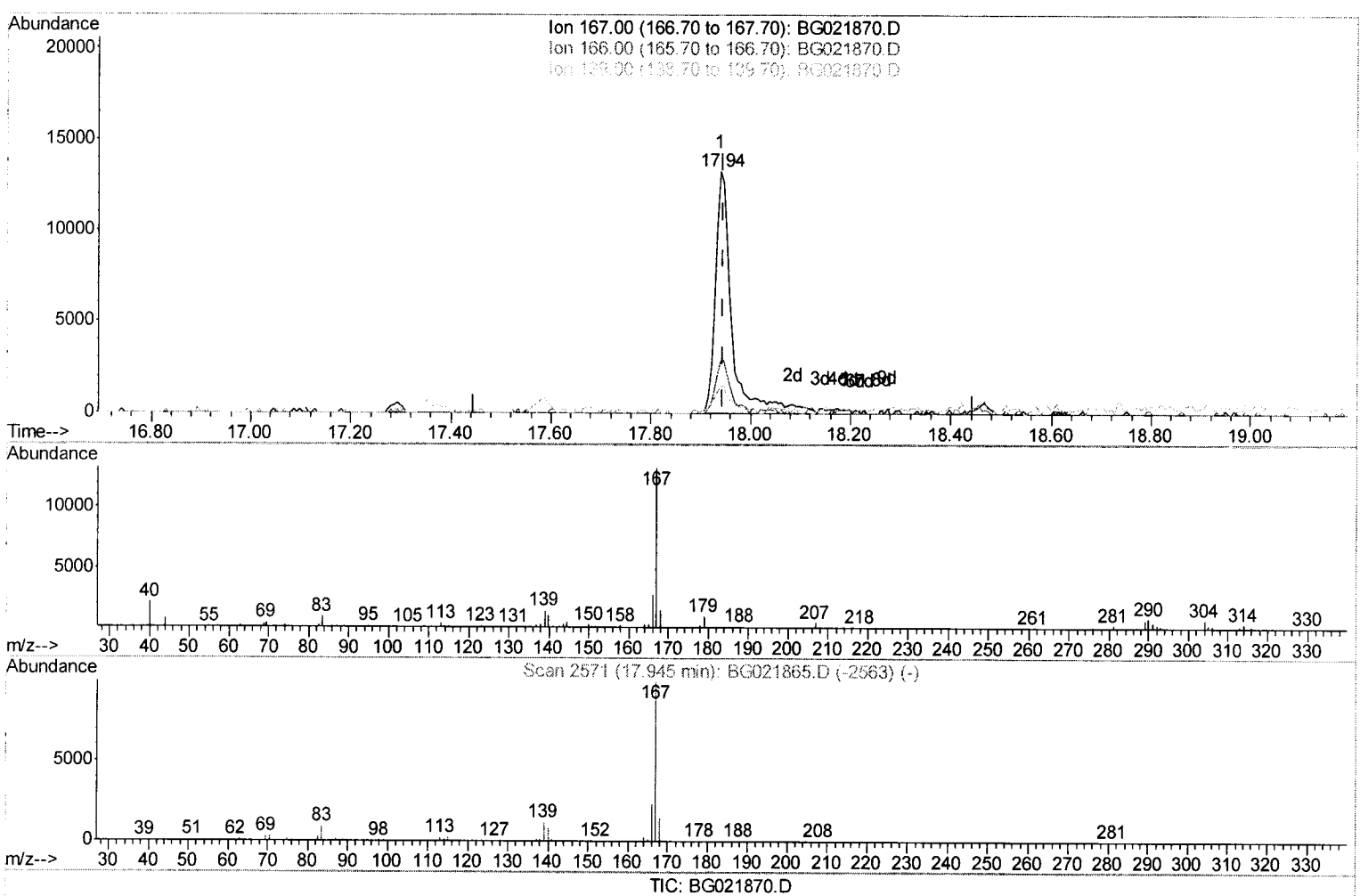
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(73) Carbazole

17.939min (-0.006) 1.69ng/ul m

response 30941

Ion	Exp%	Act%
167.00	100	100
166.00	23.70	21.18
139.00	15.30	11.53#
0.00	0.00	0.00

> U.M
 05/18/16

Quantitation Report (Qedit)

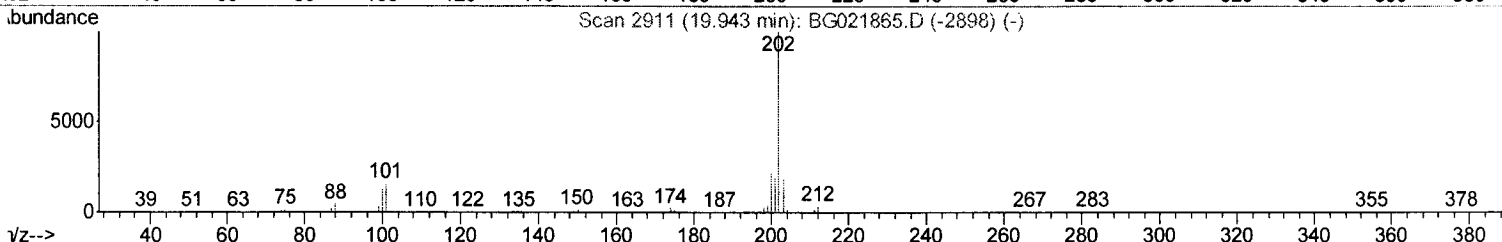
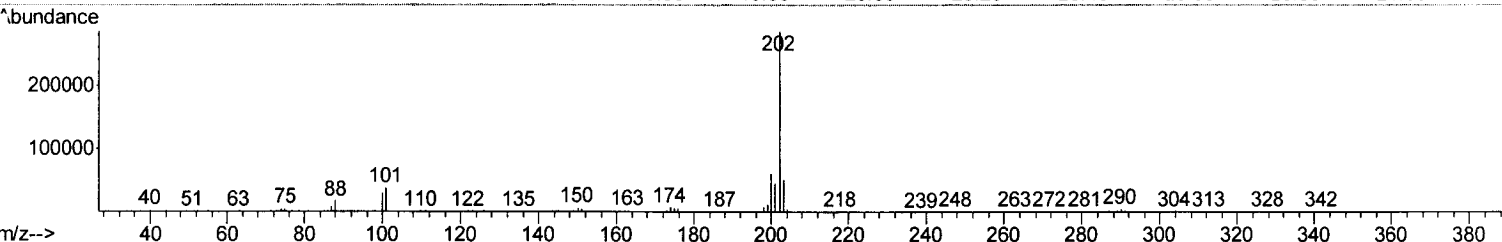
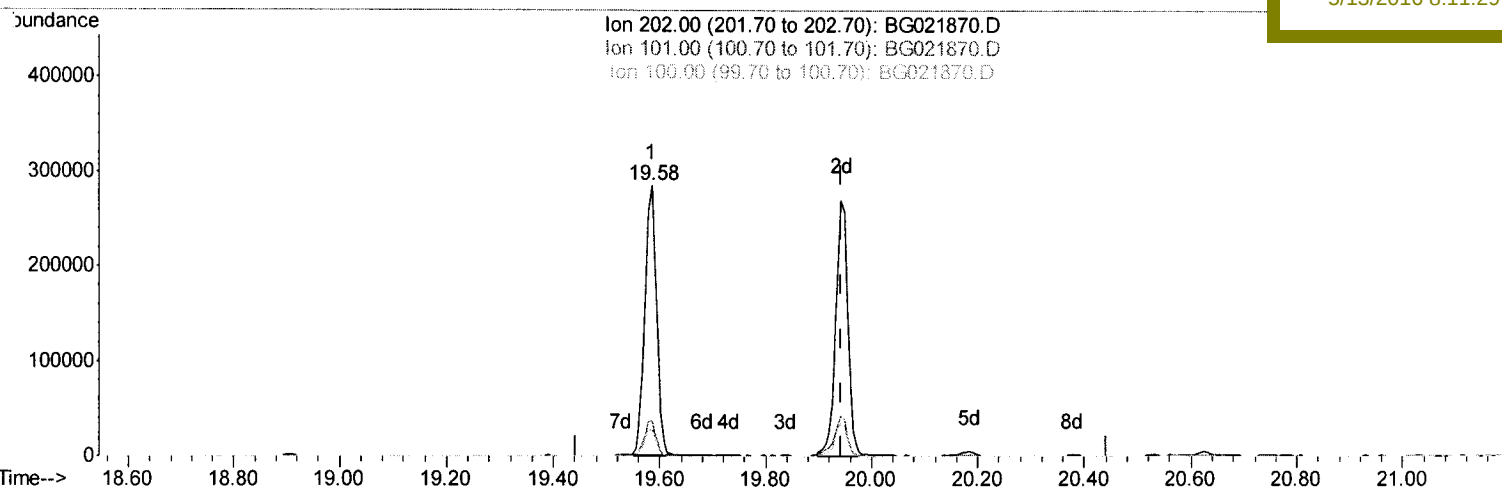
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TIC: BG021870.D

(78) Pyrene

19.584min (-0.359) 20.15ng/ul

response 437867

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	13.17
100.00	11.60	10.17
0.00	0.00	0.00

Quantitation Report (Qedit)

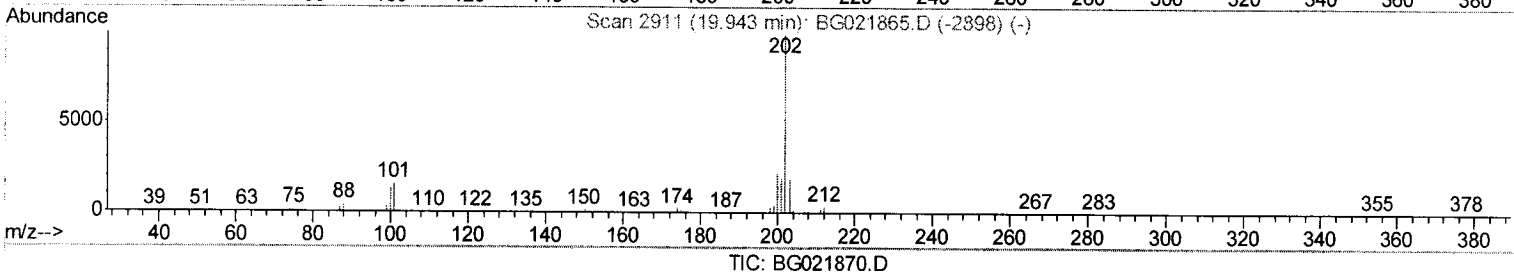
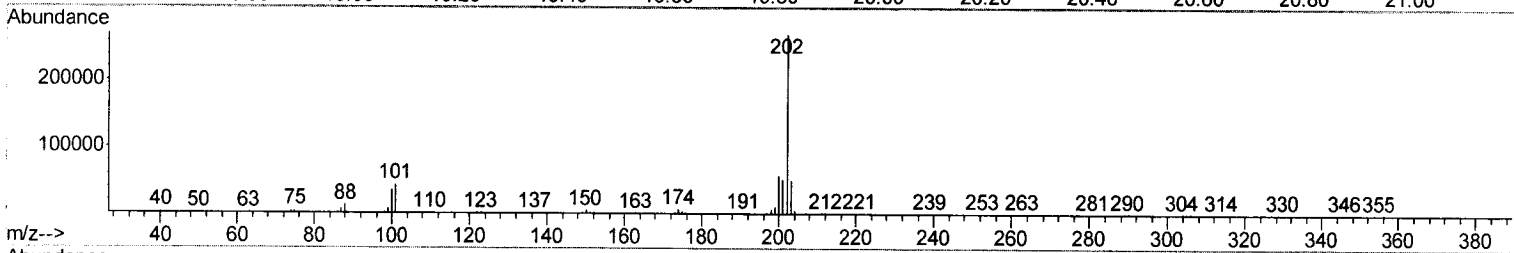
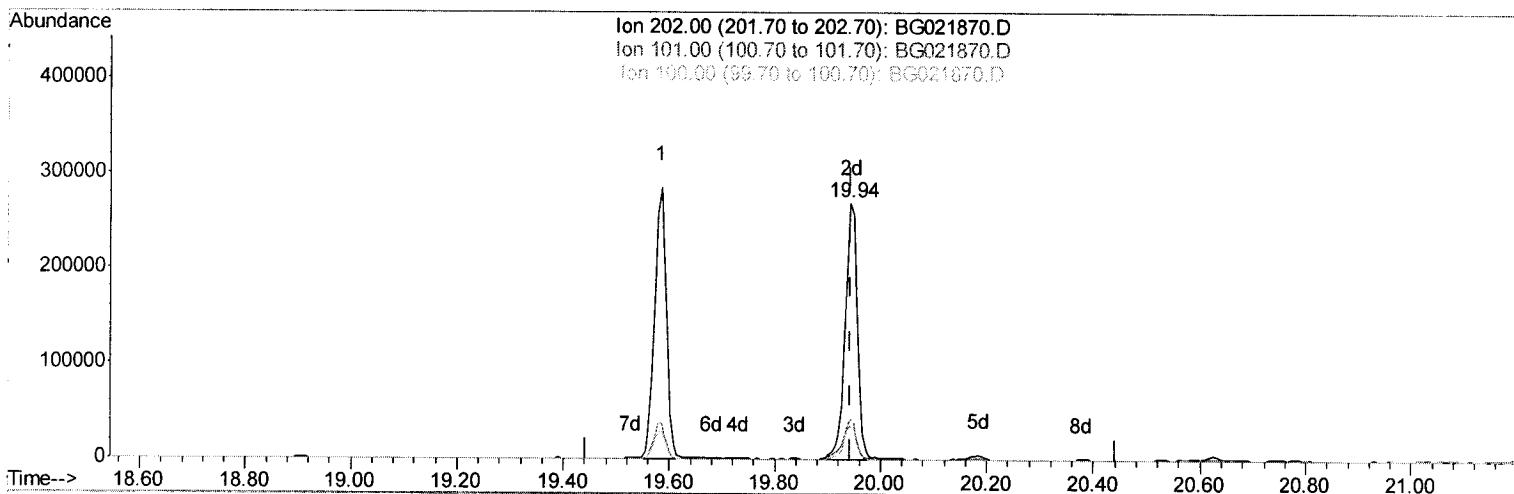
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(78) Pyrene

19.943min (-0.000) 20.80ng/ul m

response 451900

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	16.01#
100.00	11.60	12.80
0.00	0.00	0.00

U.M
 05/16/16

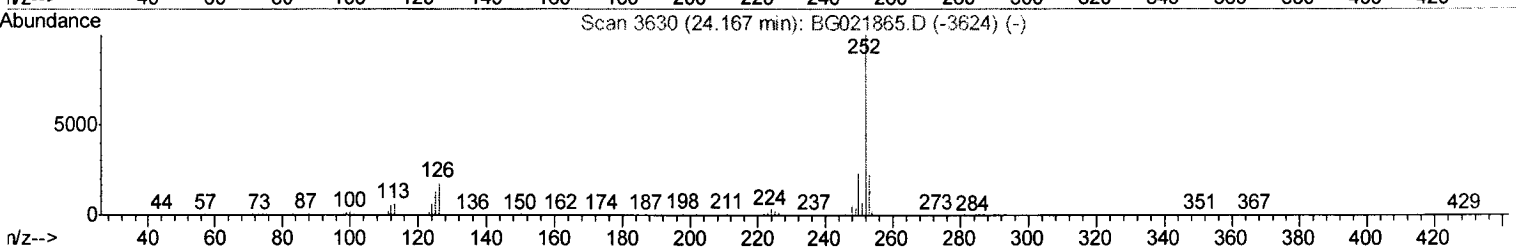
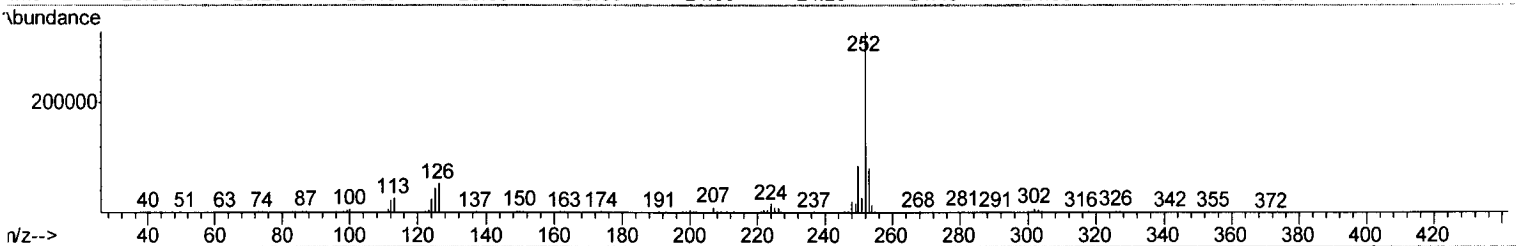
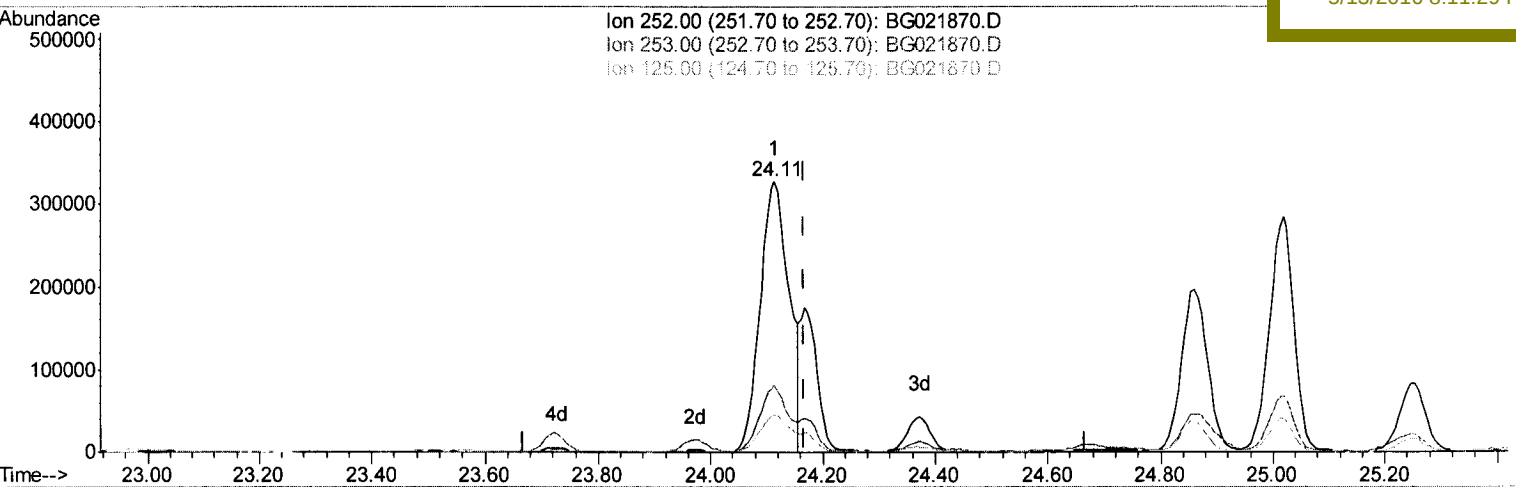
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TIC: BG021870.D

(87) Benzo(k)fluoranthene

24.114min (-0.053) 49.32ng/ul

response 1169725

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	24.89
125.00	9.60	13.99#
0.00	0.00	0.00

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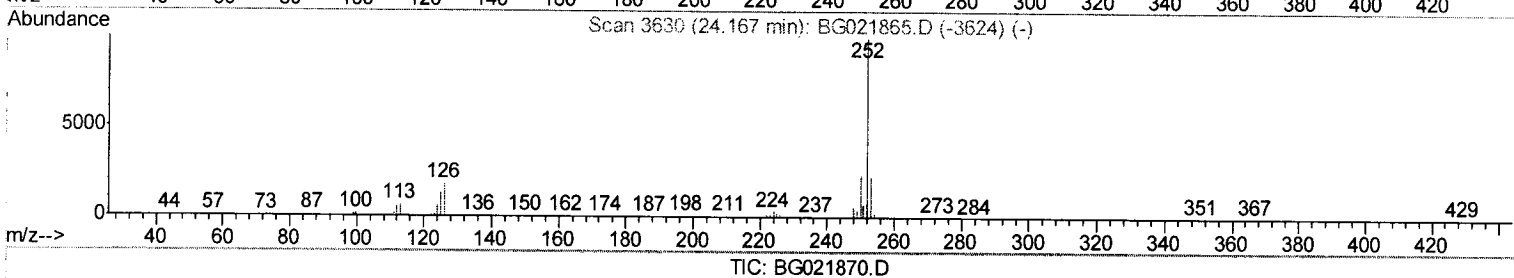
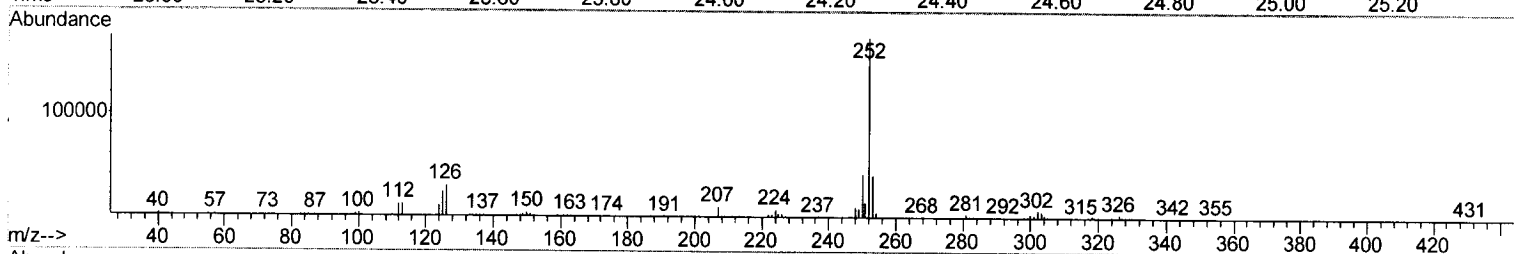
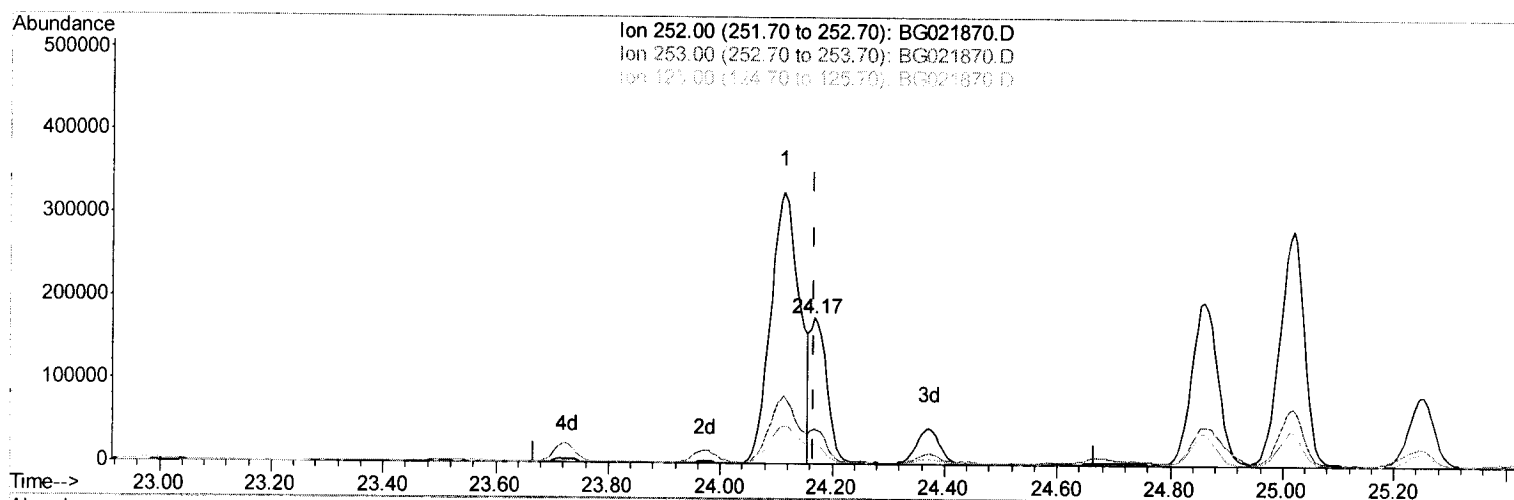
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TIC: BG021870.D

(87) Benzo(k)fluoranthene

24.167min (-0.000) 15.33ng/ul m

response 363499

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	23.70
125.00	9.60	13.70#
0.00	0.00	0.00

> U.M
 05/18/16

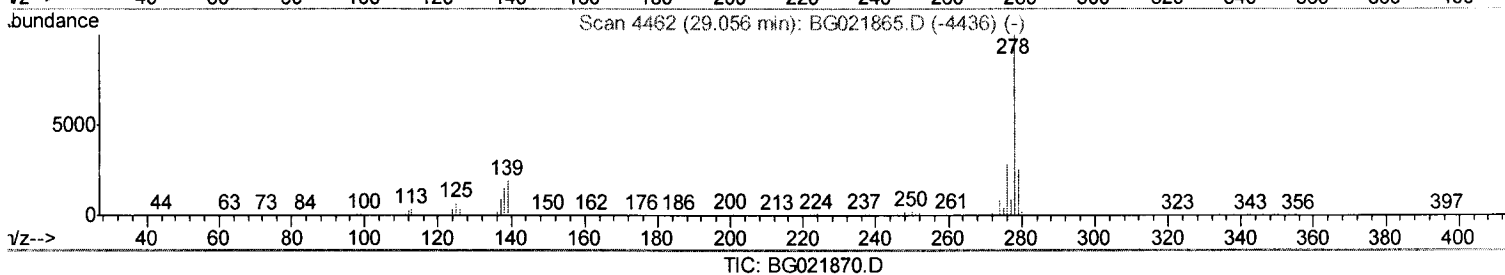
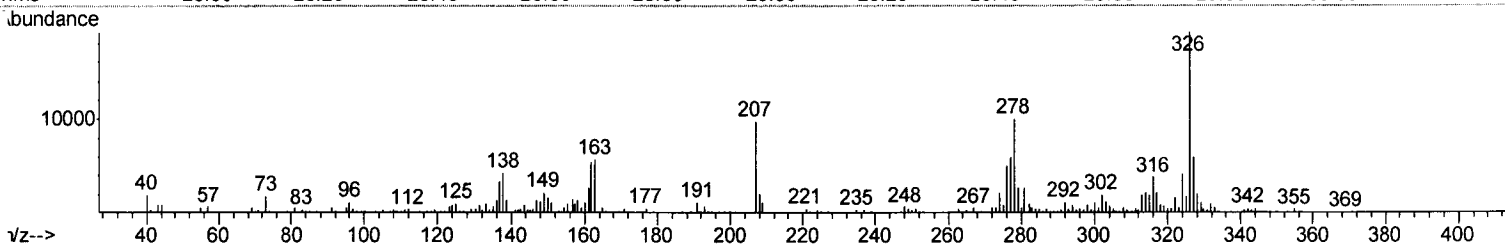
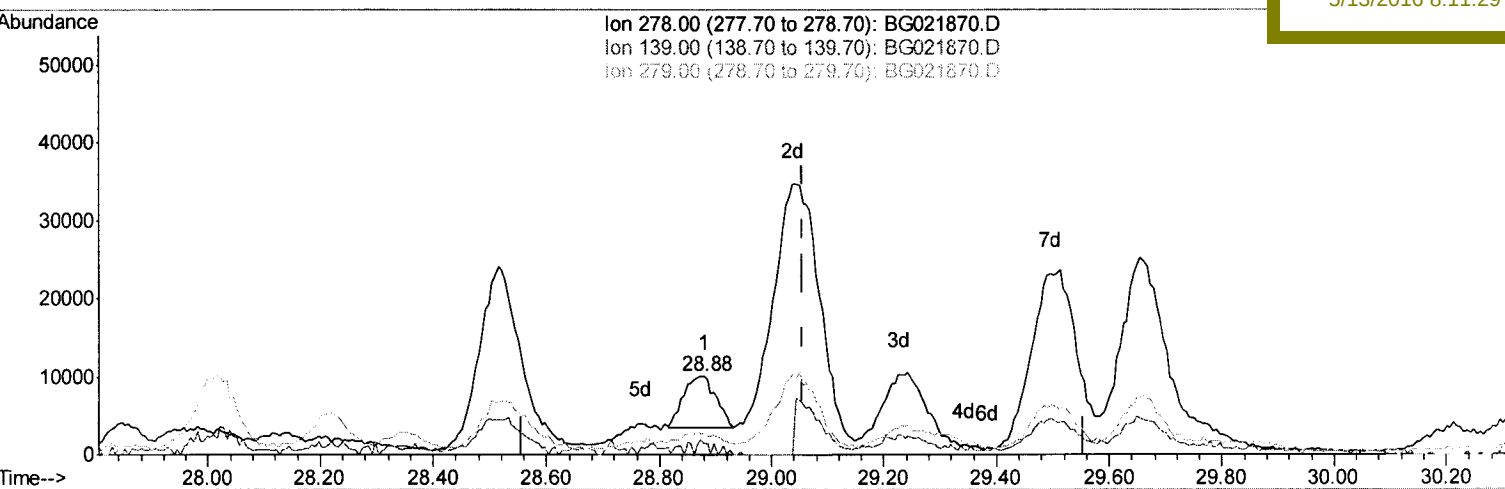
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021870.D
Acq On : 12 May 2016 15:53
Operator : UM/SJ
Sample : H2936-09DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9WJ8DL

Quant Time: May 13 05:52:03 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 13 04:58:59 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
5/13/2016 8:11:29 PM



(91) Dibenzo(a,h)anthracene

28.879min (-0.176) 1.19ng/ul

response 25990

Ion	Exp%	Act%
278.00	100	100
139.00	15.10	14.41
279.00	24.80	27.39
0.00	0.00	0.00

Quantitation Report (Qedit)

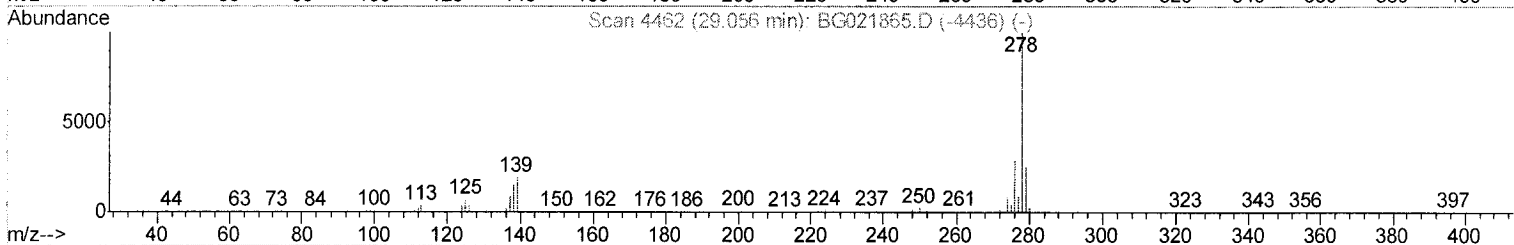
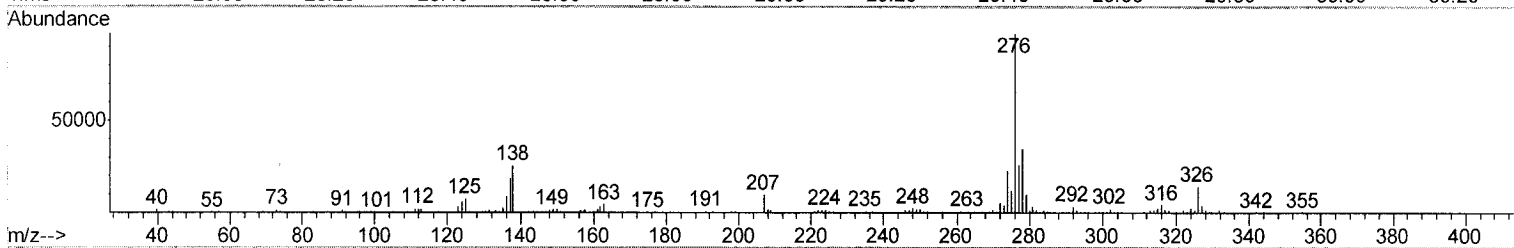
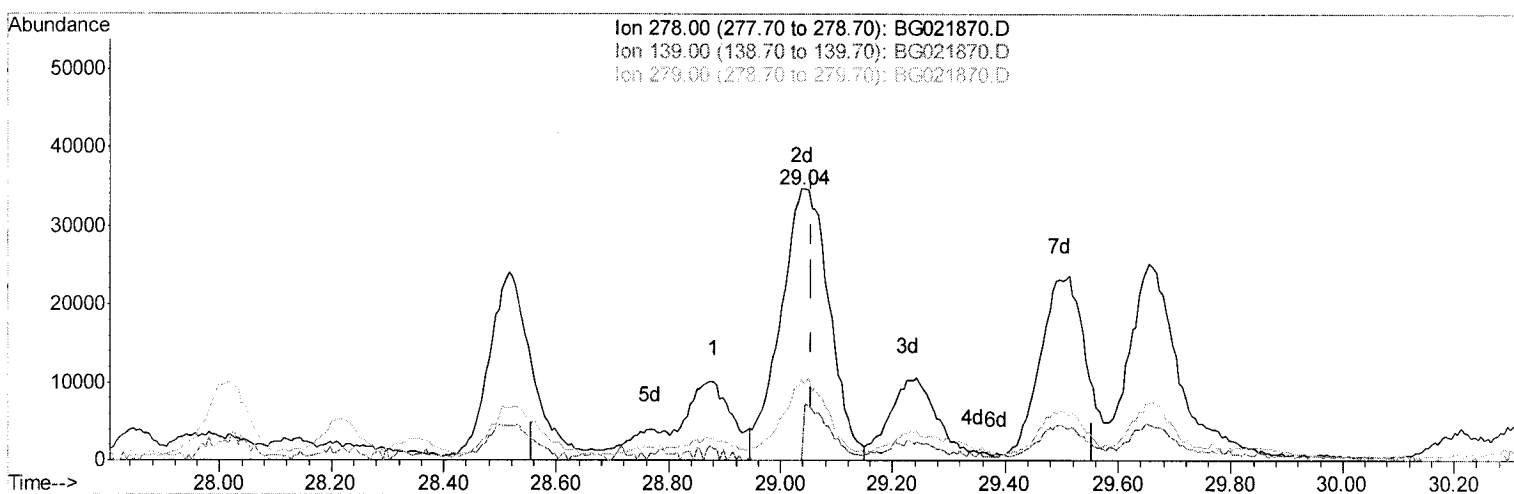
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021870.D
 Acq On : 12 May 2016 15:53
 Operator : UM/SJ
 Sample : H2936-09DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WJ8DL

Manual Integrations
 APPROVED

sohil
 5/13/2016 8:11:29 PM

Quant Time: May 13 05:52:03 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration



TIC: BG021870.D

(91) Dibenzo(a,h)anthracene

29.038min (-0.018) 9.63ng/ul m

response 209563

Ion	Exp%	Act%
278.00	100	100
139.00	15.10	0.00#
279.00	24.80	29.87#
0.00	0.00	0.00

U.M
 05/16/16

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021870.D
 Acq On : 12 May 2016 15:53
 Operator : UM/SJ
 Sample : H2936-09DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WJ8DL

Manual Integrations
 APPROVED

sohil
 5/13/2016 8:11:29 PM

Quant Time: May 13 05:53:29 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	47303	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	261252	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	174313	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	380523	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	375540	20.00	ng/ul	0.00
84) Perylene-d12	25.17	264	387030	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	806	0.82	ng/uL	0.00
5) Phenol-d5	7.33	99	16445	4.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	7278	4.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	18626	6.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	17384m	5.90	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	7026	4.09	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	9048m	8.34	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.61	165	20664m	6.74	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	16342m	4.95	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	66434	5.43	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	85925	4.94	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.78	176	59594	4.62	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.64	188	91332	4.93	ng/ul	0.00
77) Pyrene-d10	19.91	212	91925	5.23	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	85721	4.66	ng/ul	0.00

Target Compounds

					Qvalue
70) Phenanthrene	17.58	178	122157	5.87 ng/ul	98
72) Anthracene	17.67	178	22162	1.05 ng/ul	97
73) Carbazole	17.94	167	30941m	1.69 ng/ul	
75) Fluoranthene	19.58	202	437867	18.53 ng/ul	95
78) Pyrene	19.94	202	451900m	20.80 ng/ul	
81) Benzo(a)anthracene	21.81	228	448899	21.48 ng/ul	96
82) Bis(2-ethylhexyl)phthalate	21.69	149	66144	8.44 ng/ul#	97
83) Chrysene	21.88	228	510280	24.68 ng/ul	95
86) Benzo(b)fluoranthene	24.11	252	1169725	52.80 ng/ul#	93
87) Benzo(k)fluoranthene	24.17	252	363499m	15.33 ng/ul	
89) Benzo(a)pyrene	25.02	252	858878	38.95 ng/ul#	94
90) Indeno(1,2,3-cd)pyrene	29.01	276	759590	29.06 ng/ul#	92
91) Dibenzo(a,h)anthracene	29.04	278	209563m	9.63 ng/ul	
92) Benzo(g,h,i)perylene	30.20	276	670524	31.08 ng/ul#	92

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