

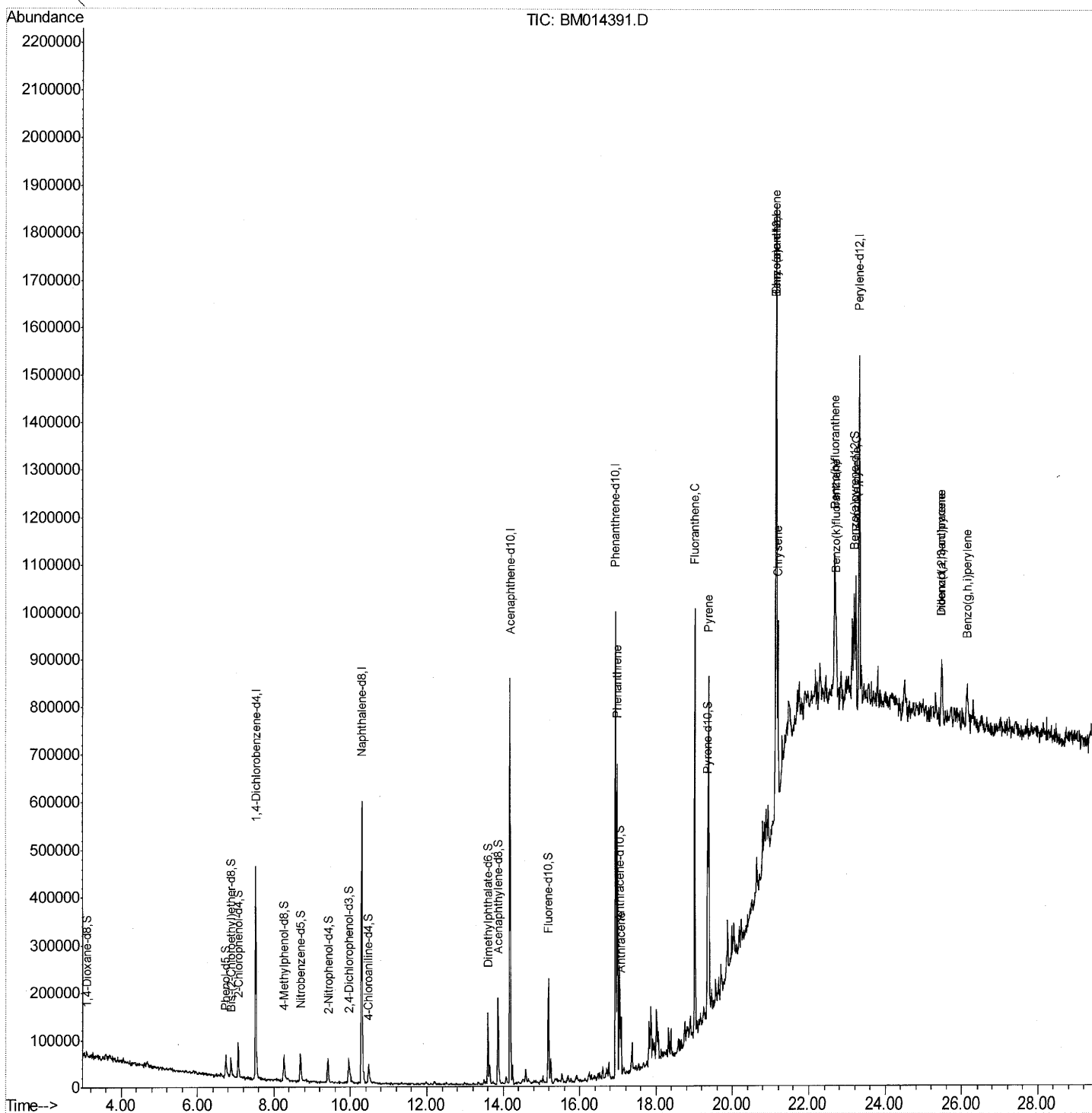
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 03:05:22 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

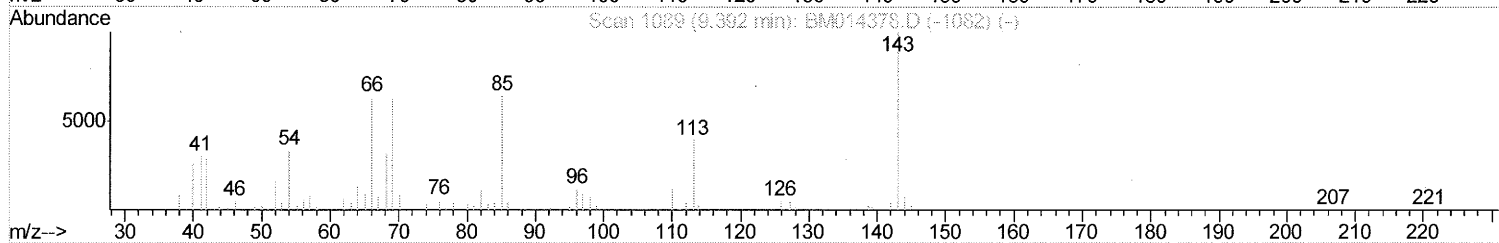
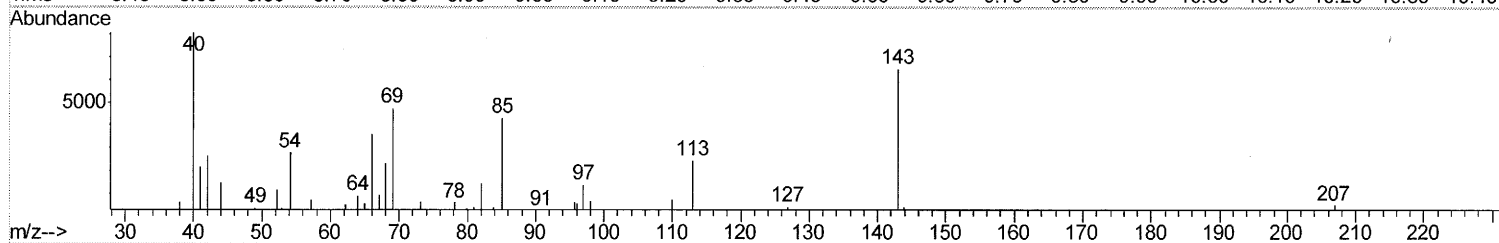
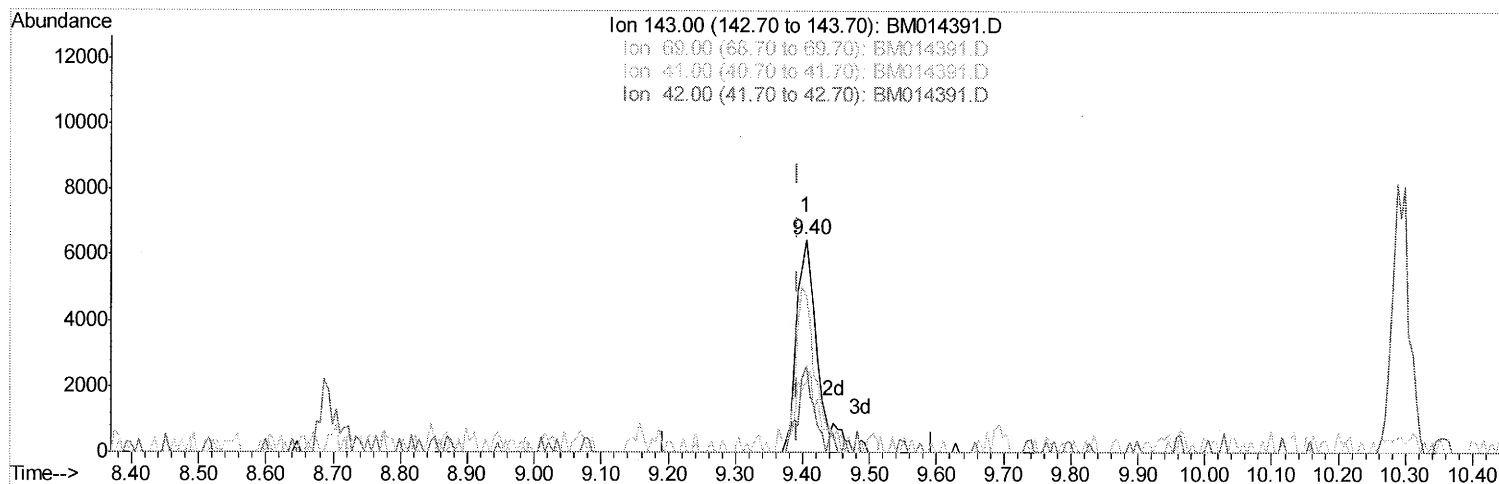
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 00:48:04 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

(22) 2-Nitrophenol-d4 (S)

9.405min (+0.012) 3.82ng/ul

response 12940

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	73.09
41.00	23.80	33.16#
42.00	24.30	40.60#

Quantitation Report (Qedit)

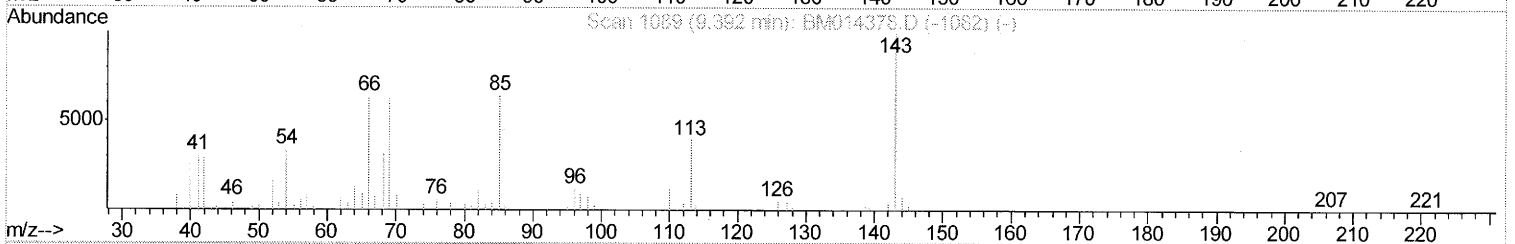
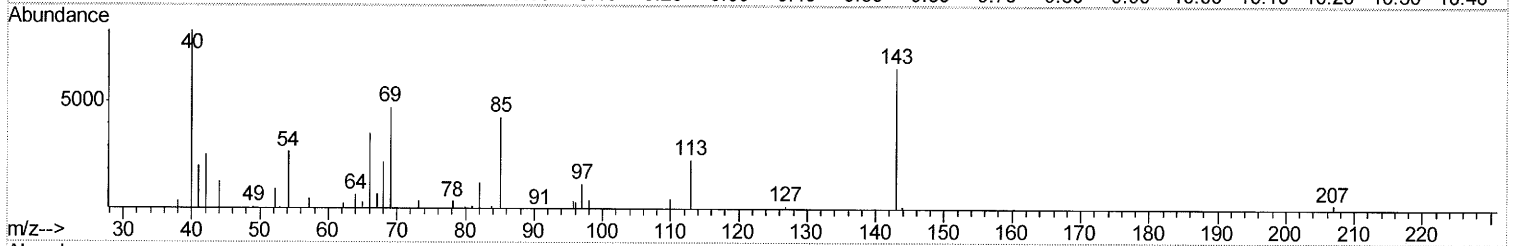
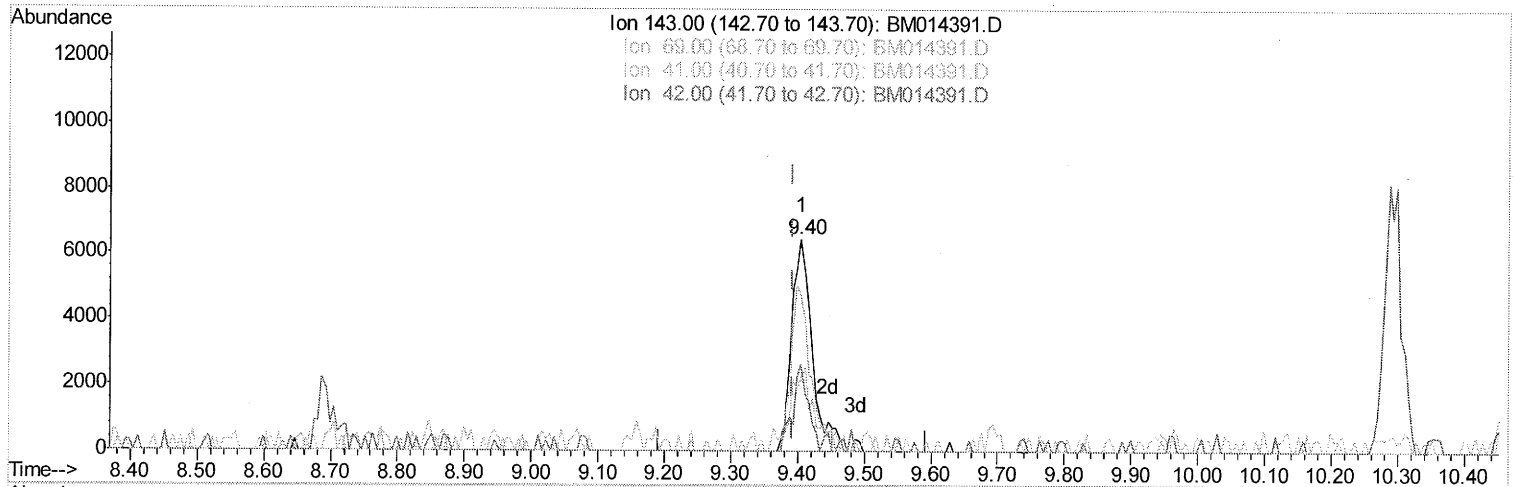
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
 Data File : BM014391.D
 Acq On : 27 Feb 2018 20:14
 Operator : SJ/JU
 Sample : J1646-22 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 BE600

Manual Integrations
 APPROVED

Sohil
 2/28/2018 1:59:27 PM

Quant Time: Feb 28 00:48:04 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 00:45:45 2018
 Response via : Initial Calibration



TIC: BM014391.D

(22) 2-Nitrophenol-d4 (S)

9.405min (+0.012) 3.98ng/ul m

response 13507

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	73.09
41.00	23.80	33.16#
42.00	24.30	40.60#

SJ 02/28/18

Quantitation Report (Qedit)

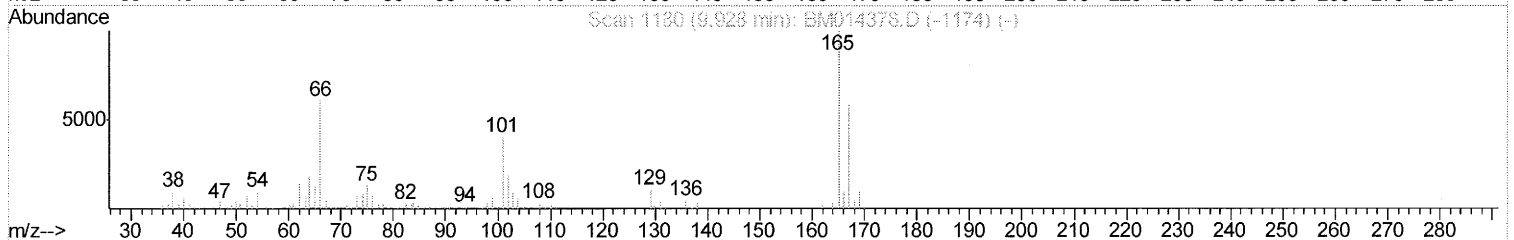
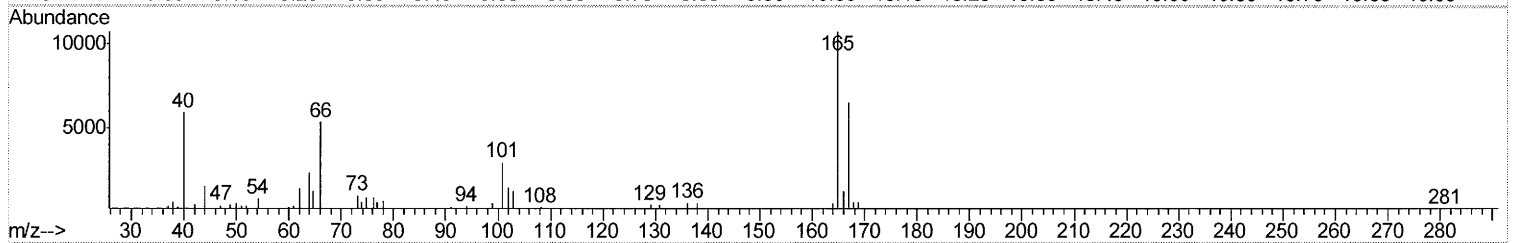
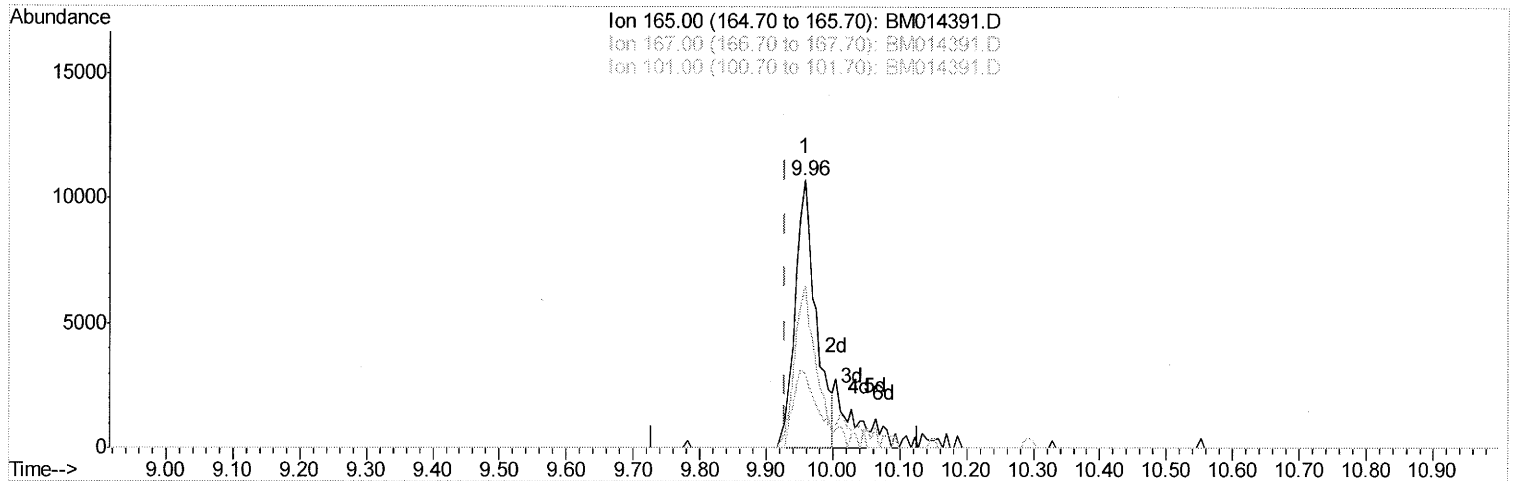
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:44:43 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

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

9.957min (+0.030) 3.35ng/ul

response 23553

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	60.96
101.00	29.30	27.55
0.00	0.00	0.00

Quantitation Report (Qedit)

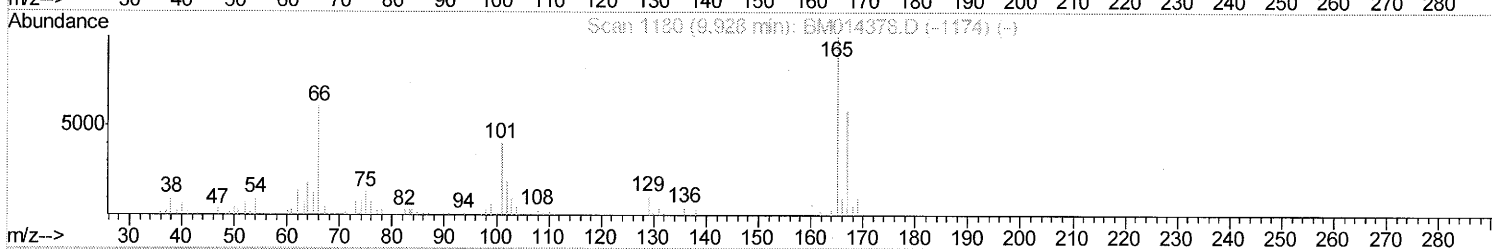
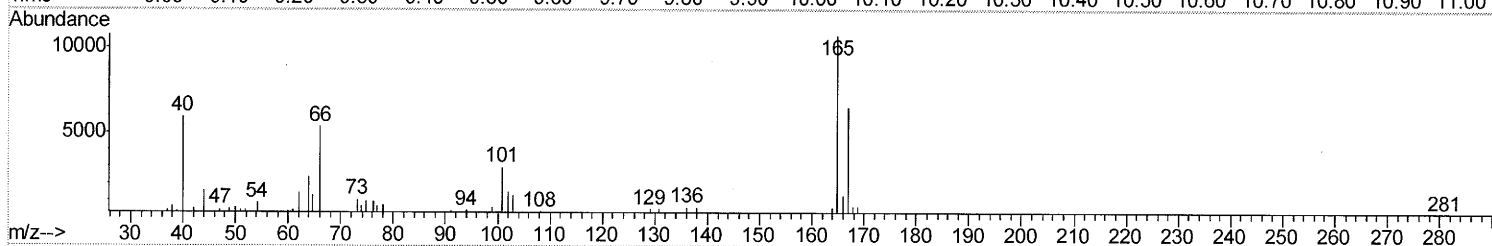
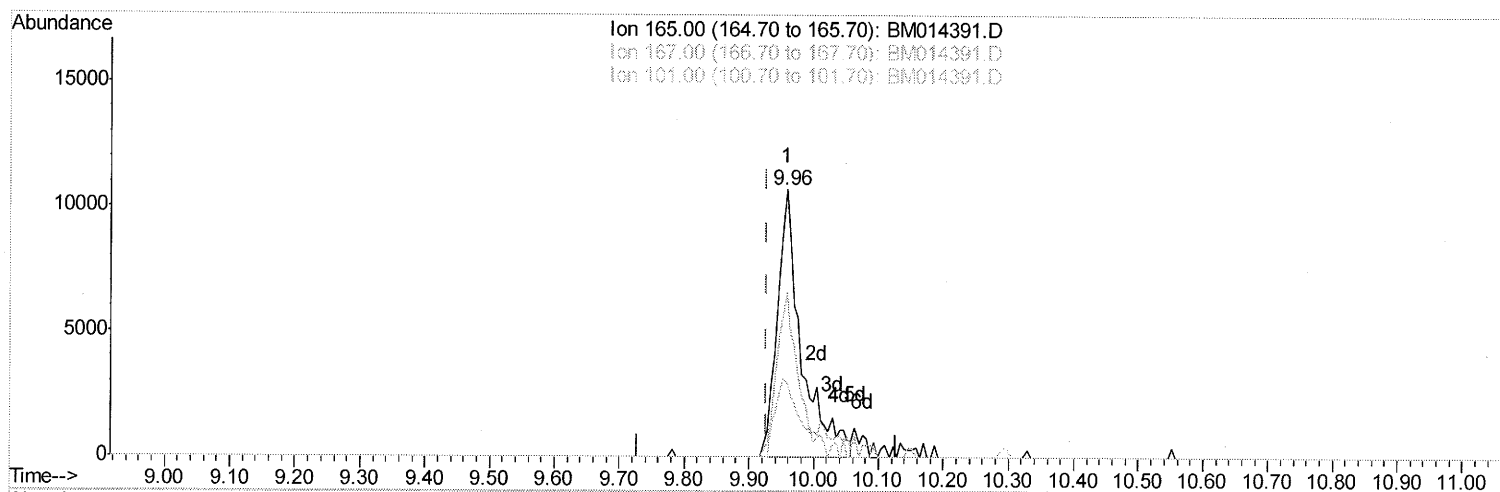
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:44:43 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

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

9.957min (+0.030) 3.98ng/ul m

response 27925

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	60.96
101.00	29.30	27.55
0.00	0.00	0.00

SJ 02/28/18

Quantitation Report (Qedit)

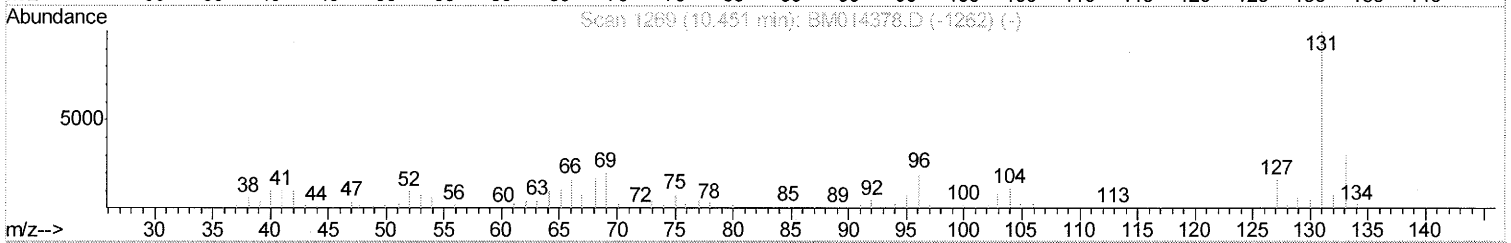
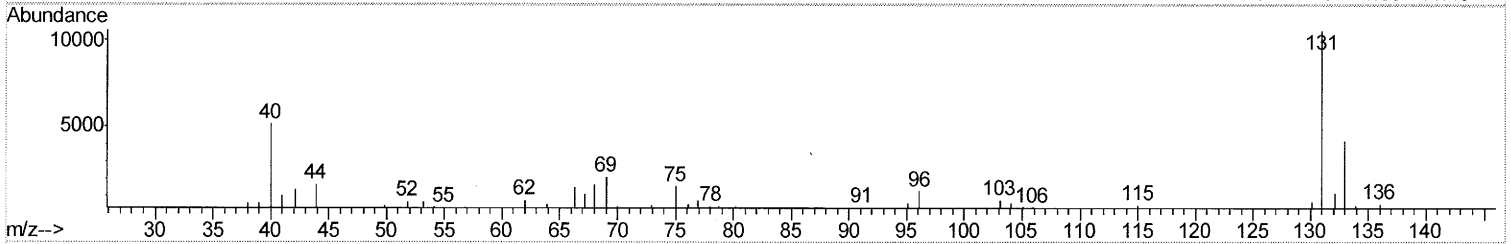
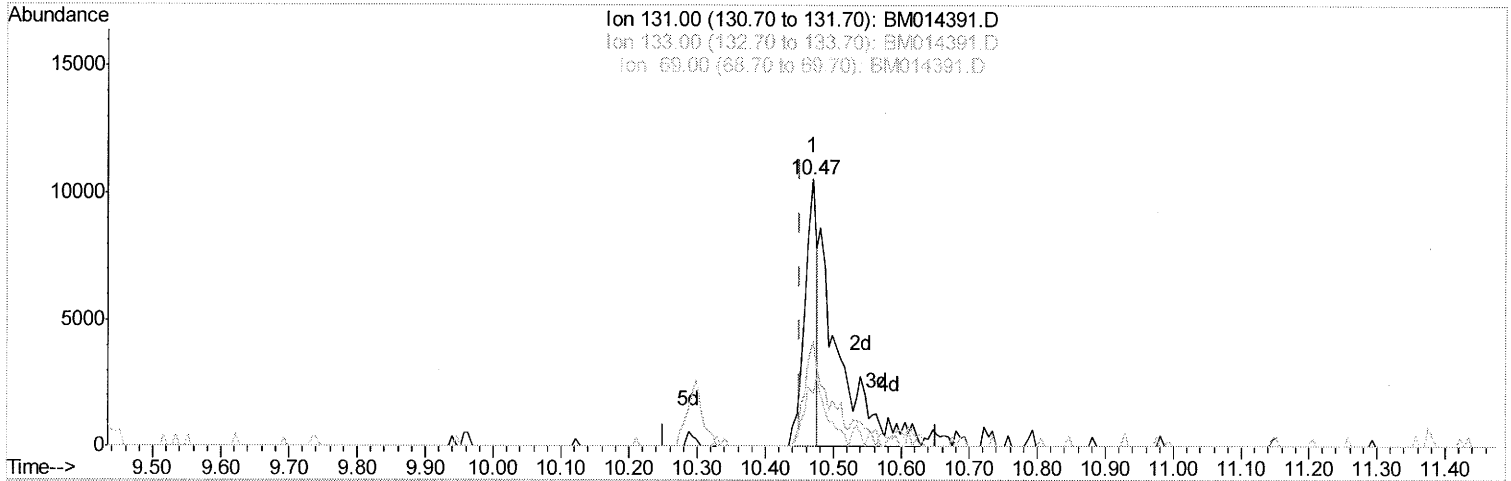
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
 Data File : BM014391.D
 Acq On : 27 Feb 2018 20:14
 Operator : SJ/JU
 Sample : J1646-22 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 BE600

Manual Integrations
 APPROVED

Sohil
 2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:44:43 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 00:45:45 2018
 Response via : Initial Calibration



TIC: BM014391.D

(29) 4-Chloroaniline-d4 (S)

10.469min (+0.018) 1.90ng/ul

response 13120

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	39.74#
69.00	24.30	19.82
0.00	0.00	0.00

Quantitation Report (Qedit)

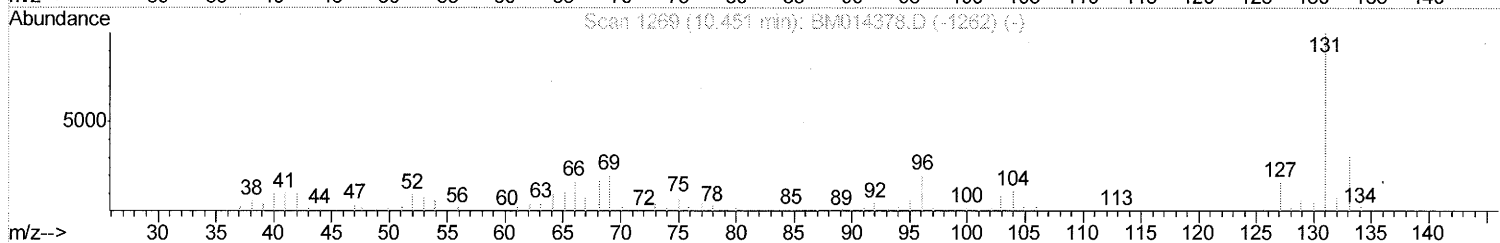
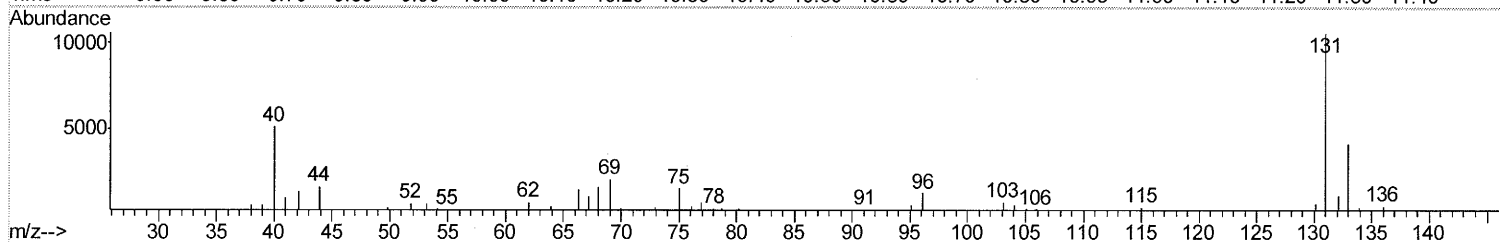
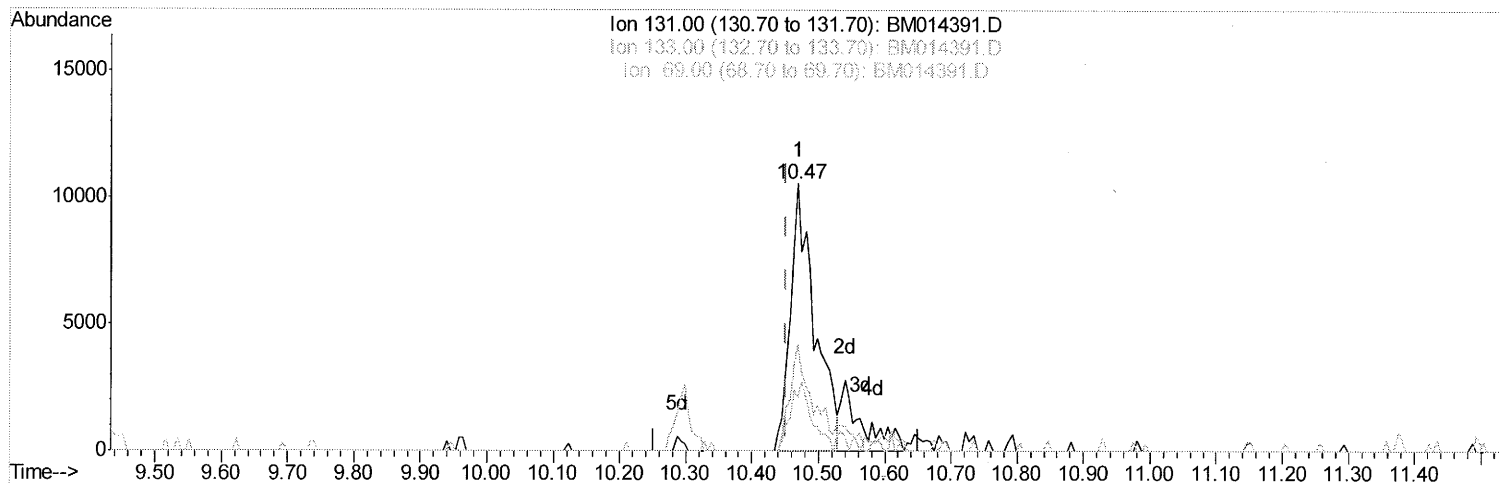
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:44:43 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

(29) 4-Chloroaniline-d4 (S)

10.469min (+0.018) 3.86ng/ul m

response 26679

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	39.74#
69.00	24.30	19.82
0.00	0.00	0.00

SJ 2/28/18

Quantitation Report (Qedit)

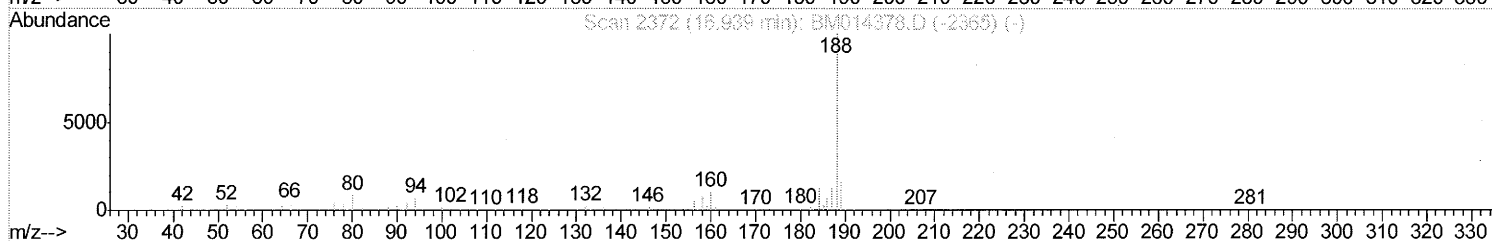
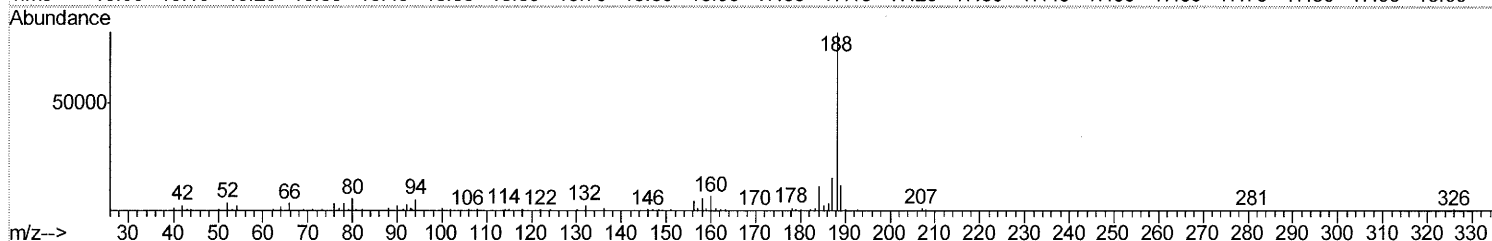
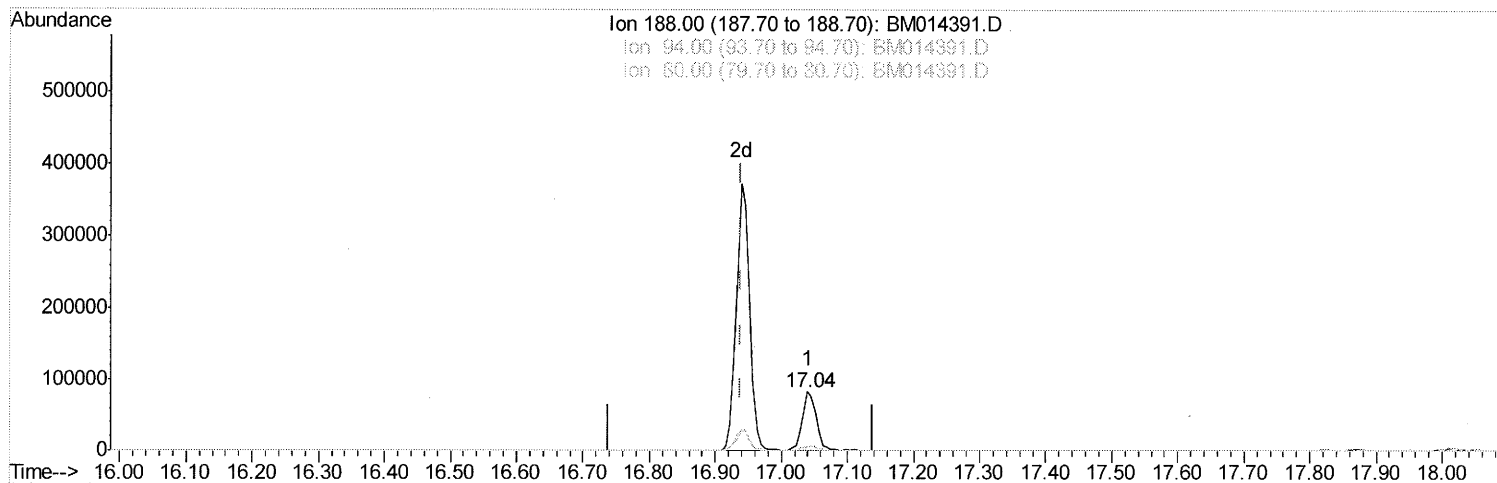
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:44:43 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

(61) Phenanthrene-d10 (I)

17.039min (+0.100) 20.00ng/ul

response 119036

Ion	Exp%	Act%
188.00	100	100
94.00	5.50	6.51
80.00	6.60	6.96
0.00	0.00	0.00

Quantitation Report (Qedit)

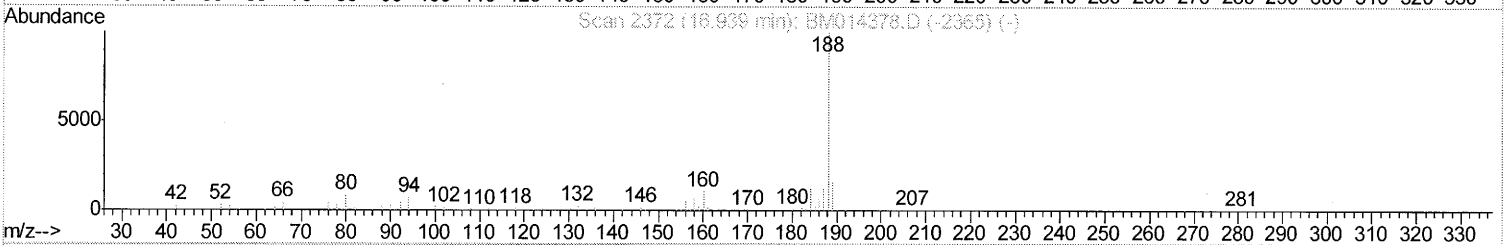
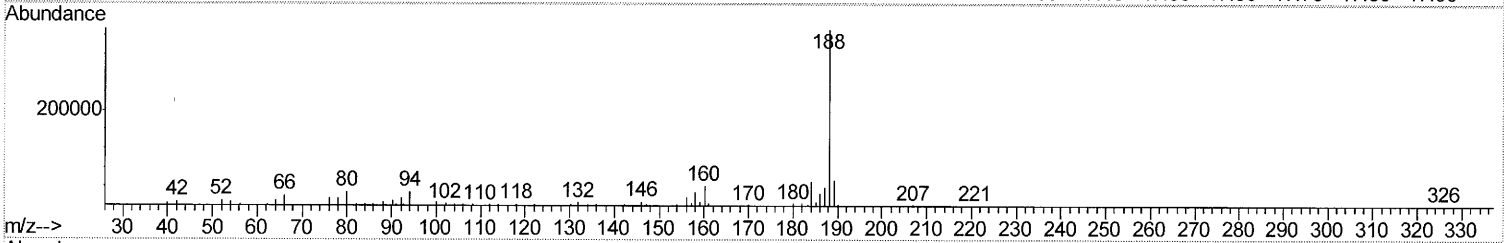
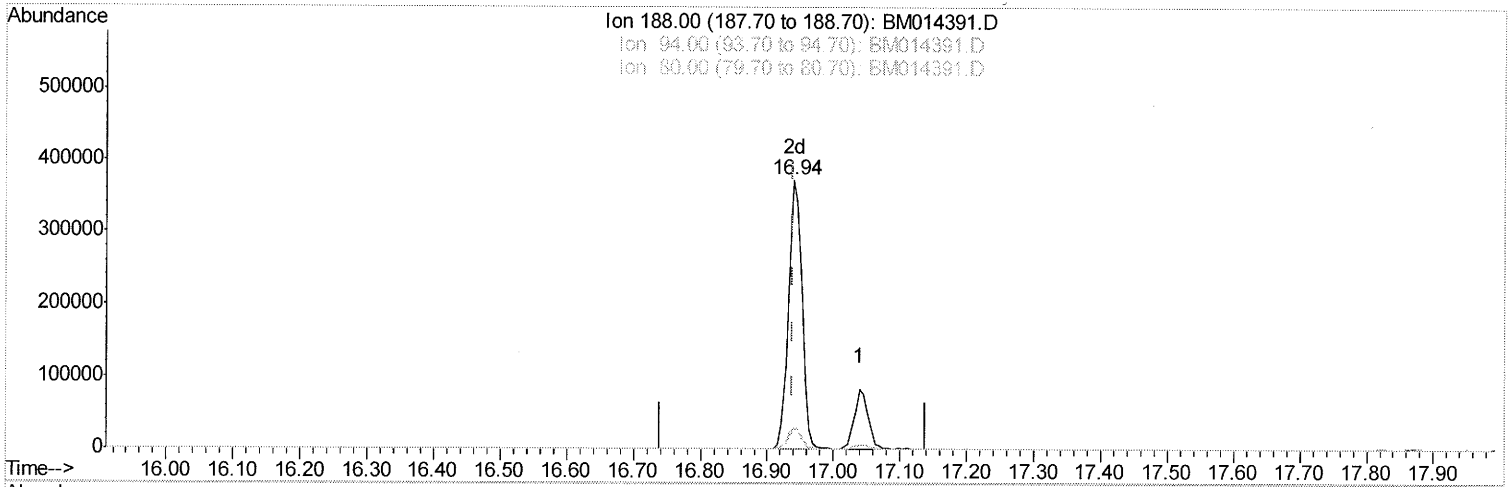
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
 Data File : BM014391.D
 Acq On : 27 Feb 2018 20:14
 Operator : SJ/JU
 Sample : J1646-22 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 BE600

Manual Integrations
 APPROVED

Sohil
 2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:44:43 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 00:45:45 2018
 Response via : Initial Calibration



TIC: BM014391.D

(61) Phenanthrene-d10 (I)

16.939min (+0.000) 20.00ng/ul m

response 524743

Ion	Exp%	Act%
188.00	100	100
94.00	5.50	7.84#
80.00	6.60	7.91
0.00	0.00	0.00

SJ/JU 2/28/18

Quantitation Report (Qedit)

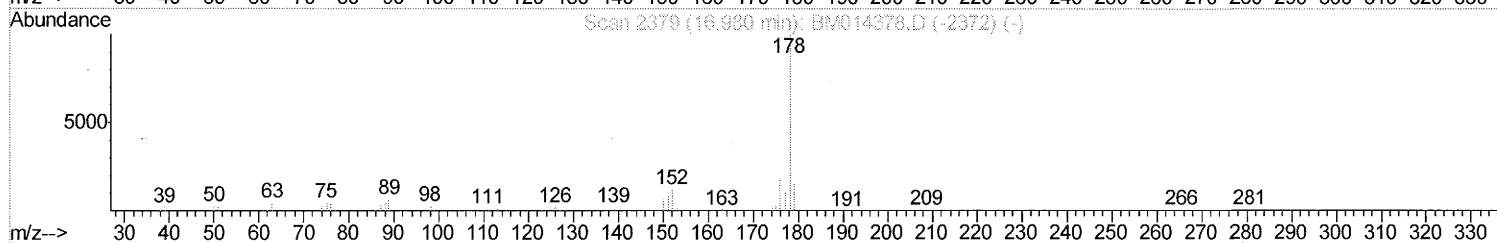
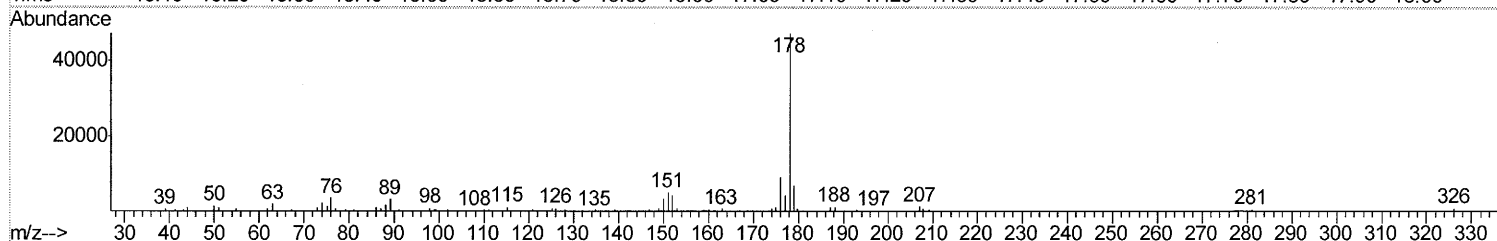
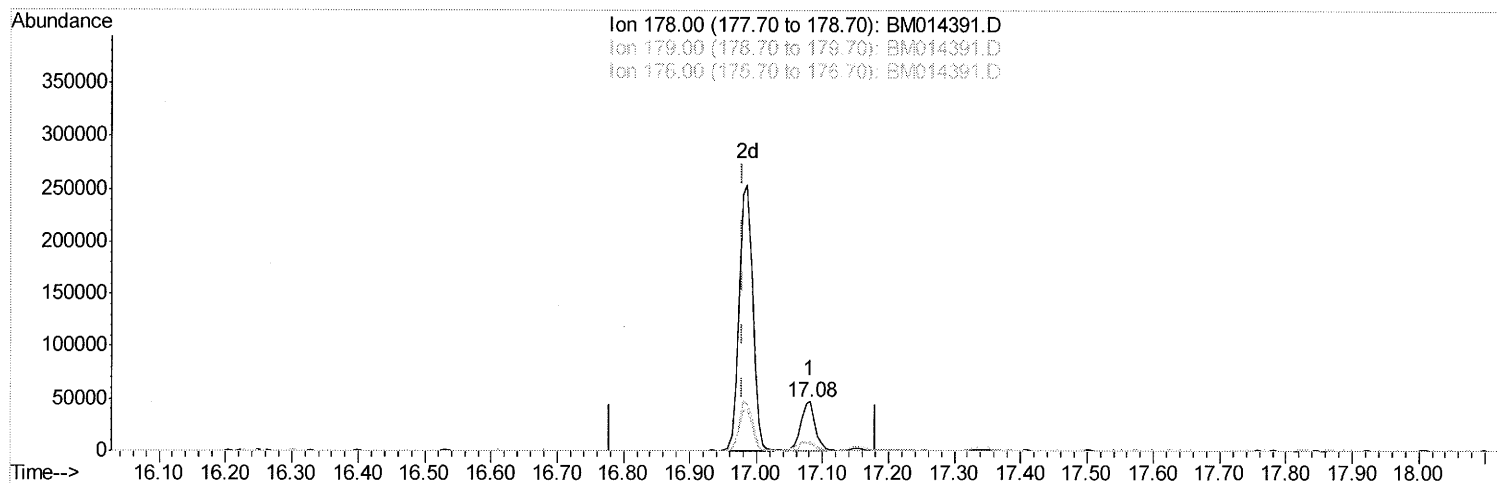
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:47:56 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

(69) Phenanthrene

17.080min (+0.100) 2.32ng/ul

response 70274

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	15.11
176.00	18.60	19.70
0.00	0.00	0.00

Quantitation Report (Qedit)

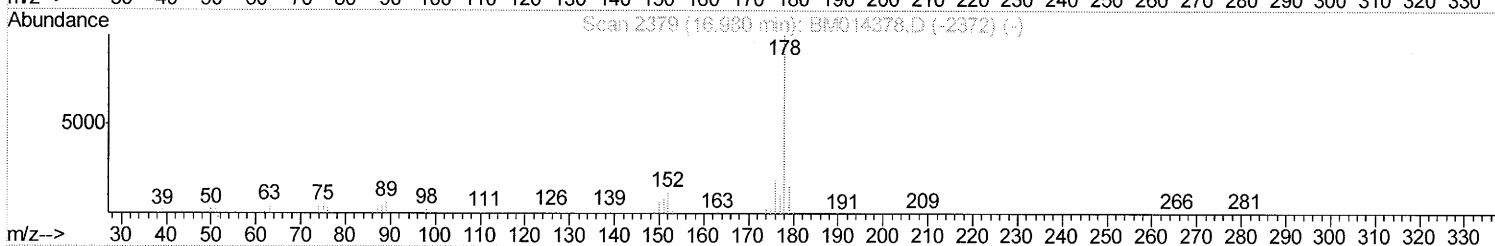
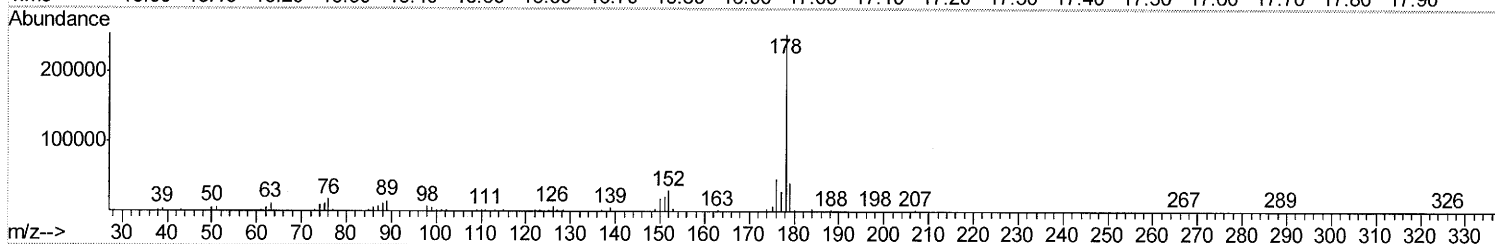
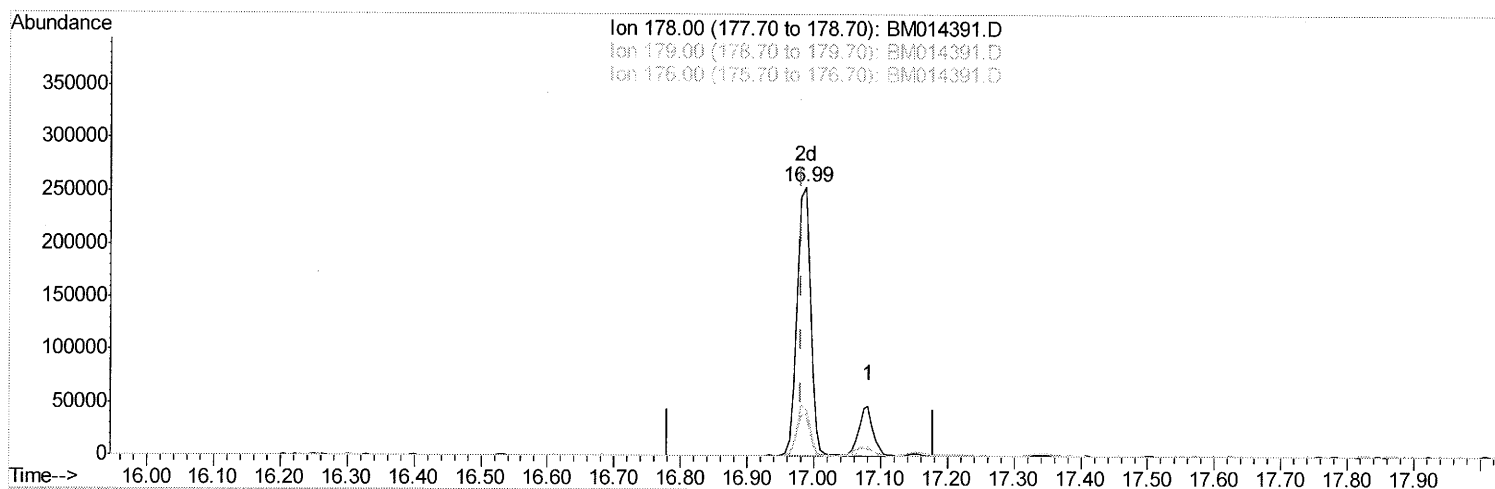
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:47:56 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

(69) Phenanthrene

16.986min (+0.006) 11.99ng/ul m

response 362525

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	15.61
176.00	18.60	17.93
0.00	0.00	0.00

See 2379

Quantitation Report (Qedit)

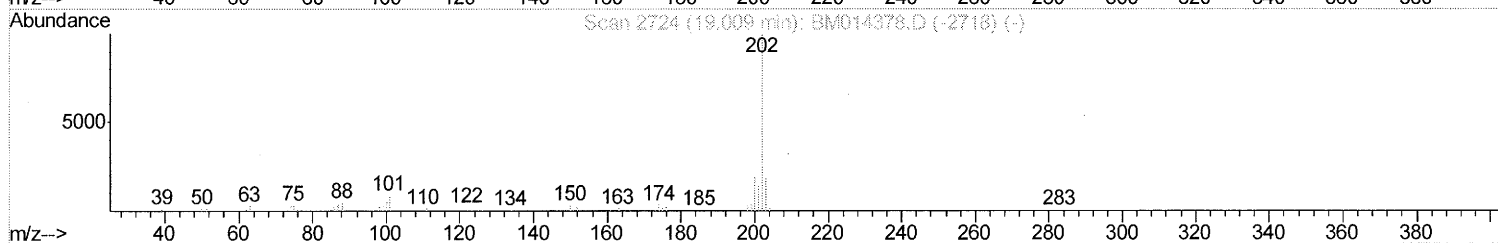
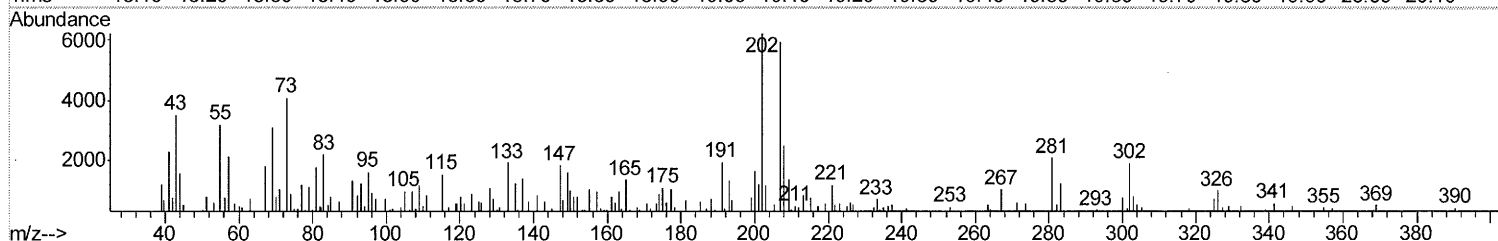
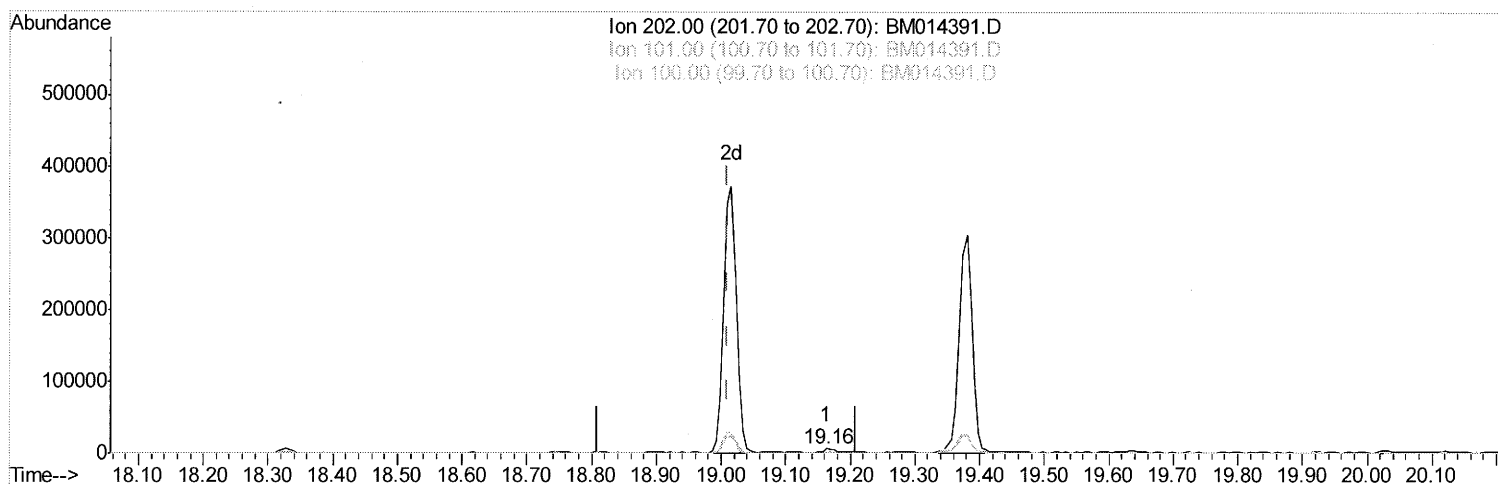
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:47:56 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

(74) Fluoranthene (C)

19.163min (+0.153) 0.22ng/ul

response 7780

Ion	Exp%	Act%
202.00	100	100
101.00	5.80	11.55#
100.00	4.30	11.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

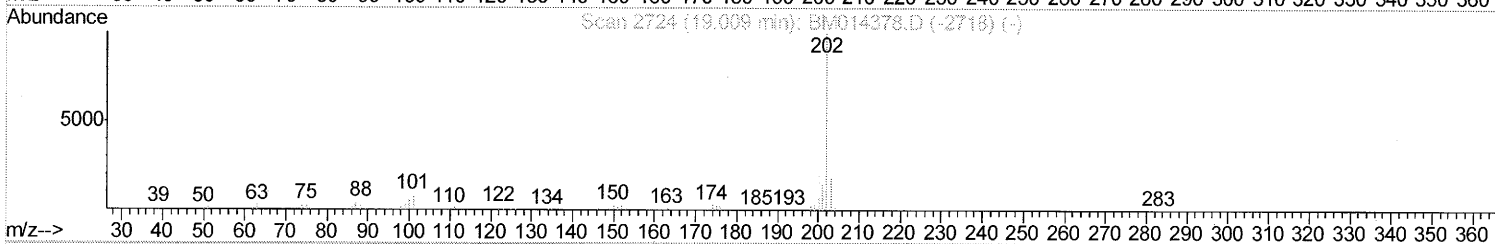
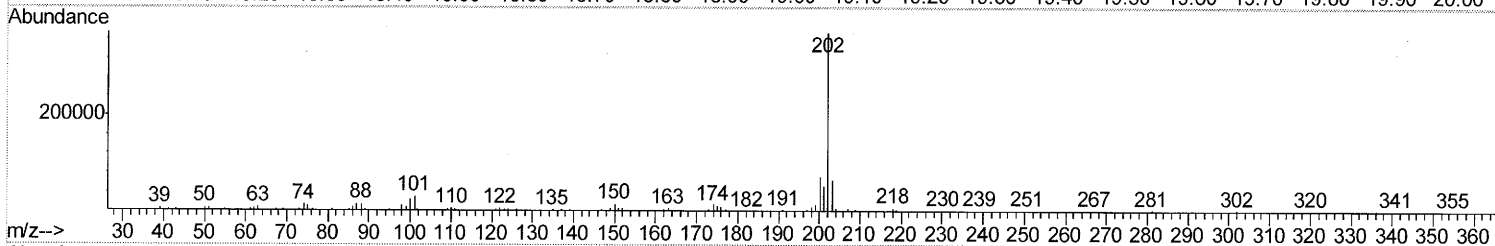
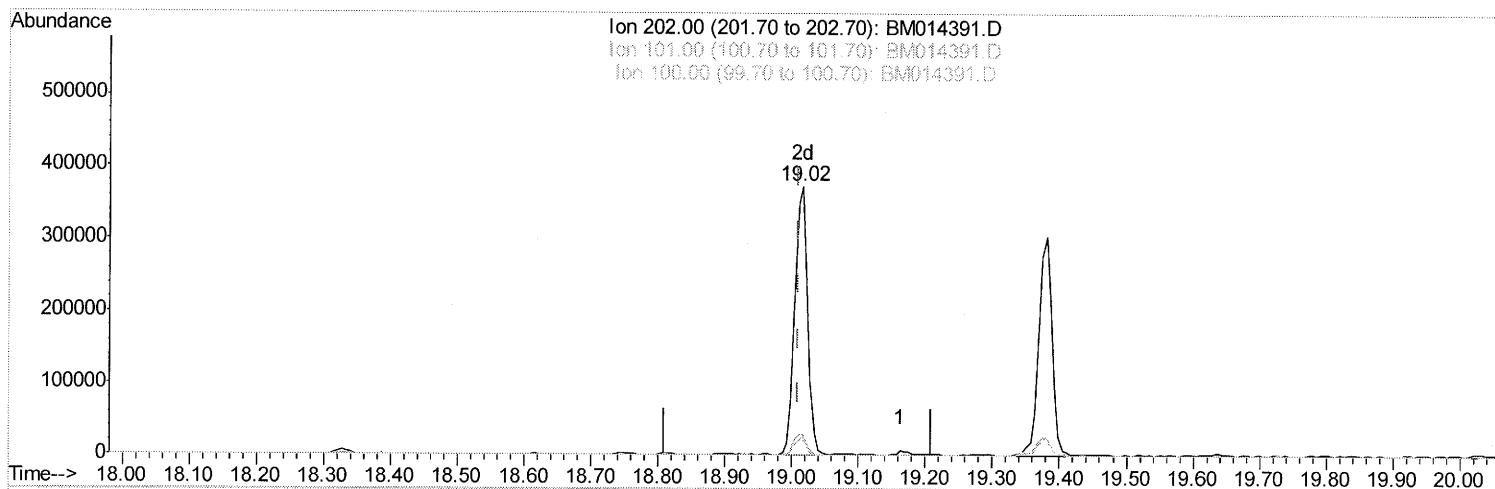
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:47:56 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

(74) Fluoranthene (C)

19.016min (+0.006) 13.83ng/ul m

response 499410

Ion	Exp%	Act%
202.00	100	100
101.00	5.80	7.93#
100.00	4.30	6.18#
0.00	0.00	0.00

Quantitation Report (Qedit)

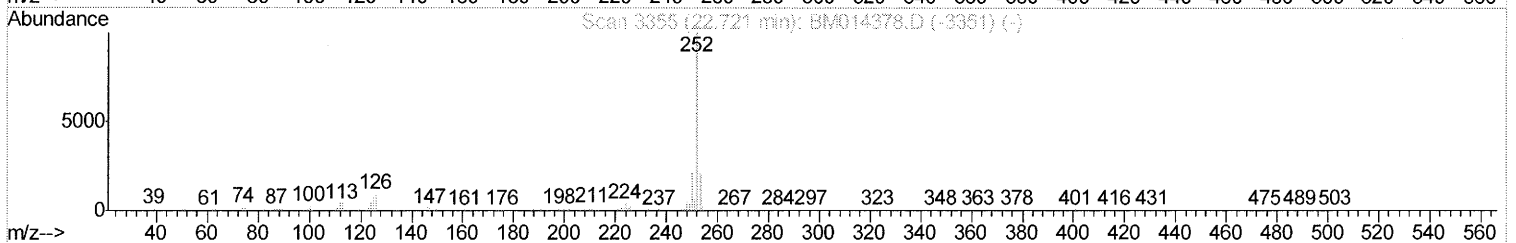
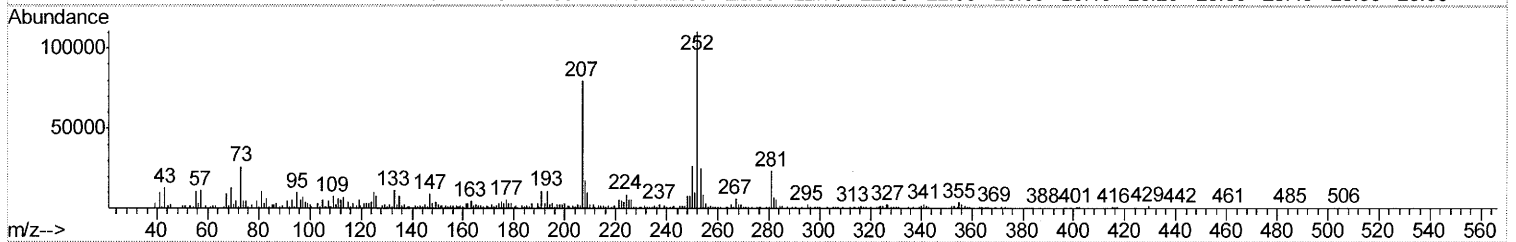
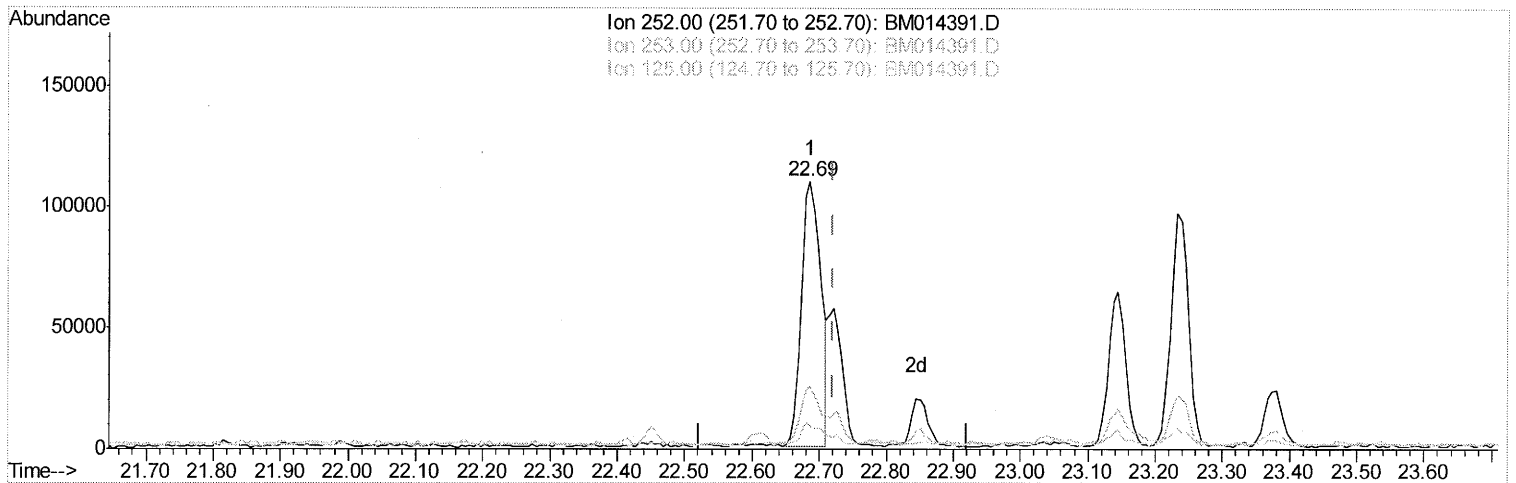
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:47:56 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

(86) Benzo(k)fluoranthene

22.686min (-0.035) 7.25ng/ul

response 224407

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.05
125.00	4.30	8.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

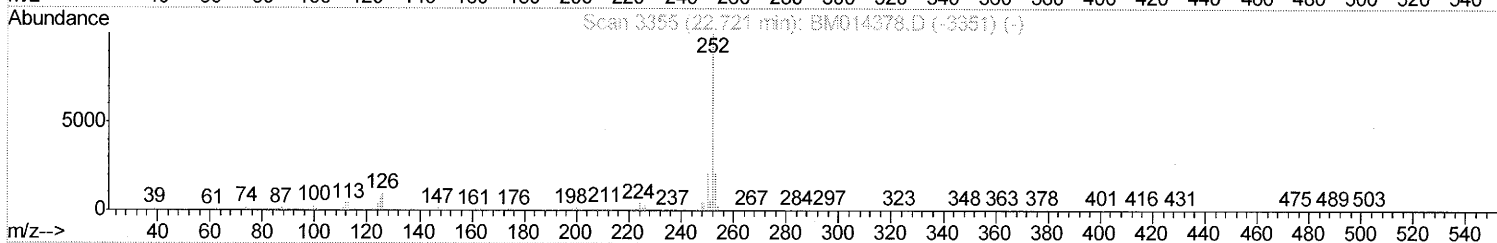
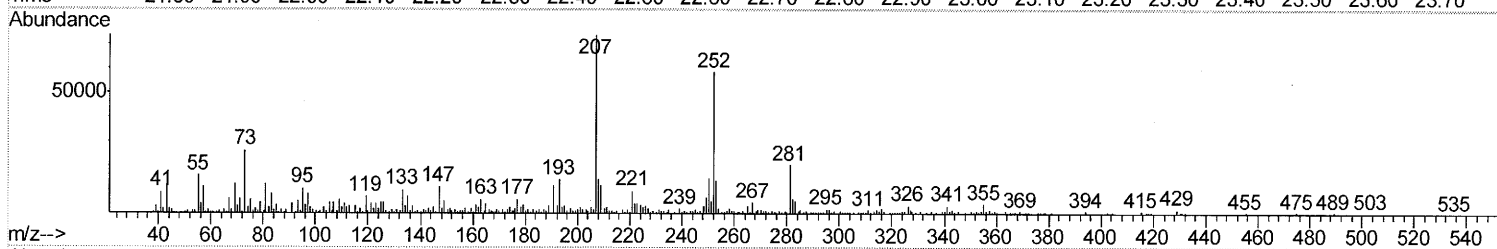
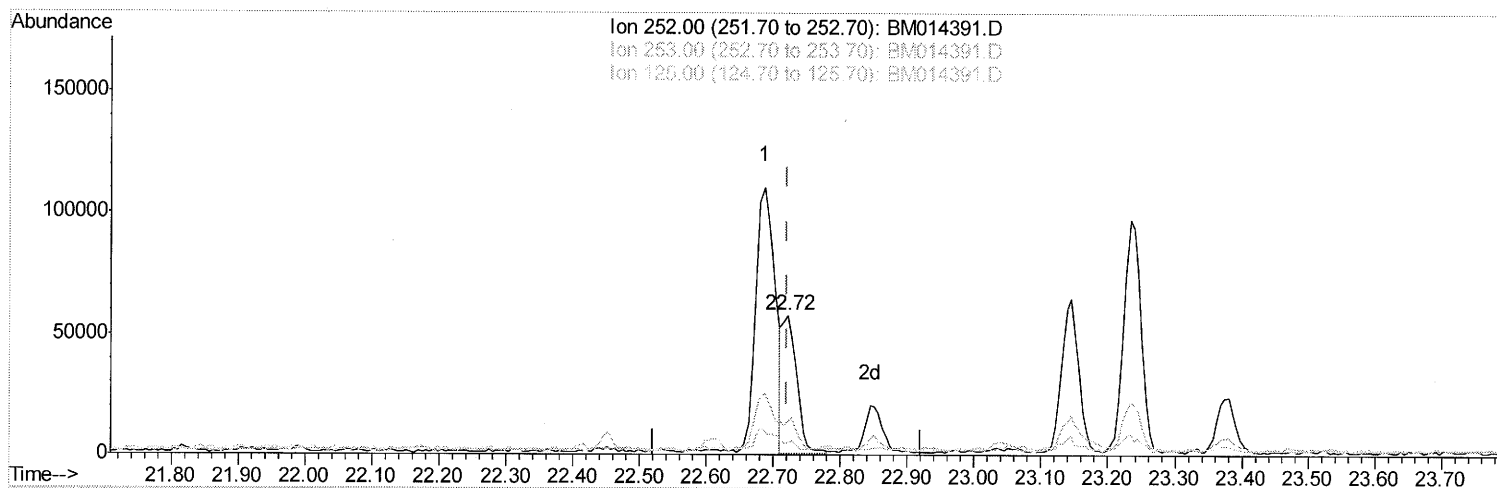
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:47:56 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

(86) Benzo(k)fluoranthene

22.721min (+0.000) 2.72ng/ul m

response 84128

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	24.00
125.00	4.30	8.63#
0.00	0.00	0.00

map

Quantitation Report (Qedit)

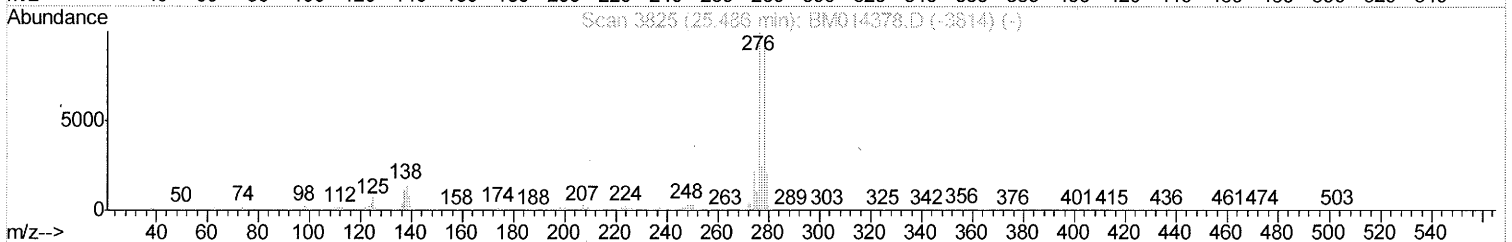
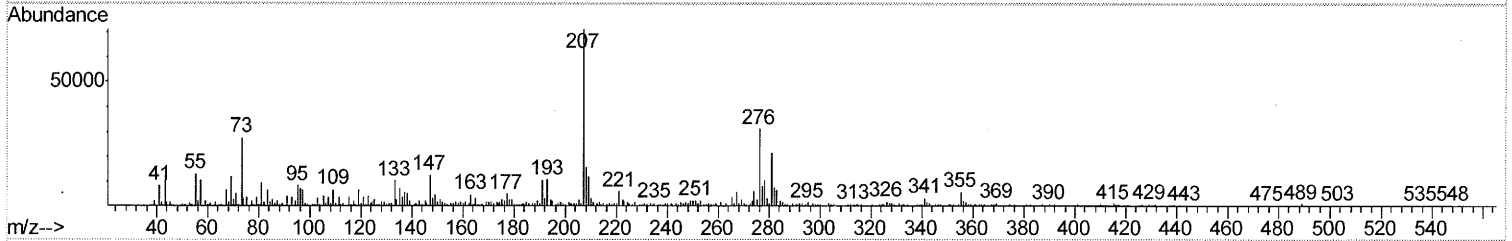
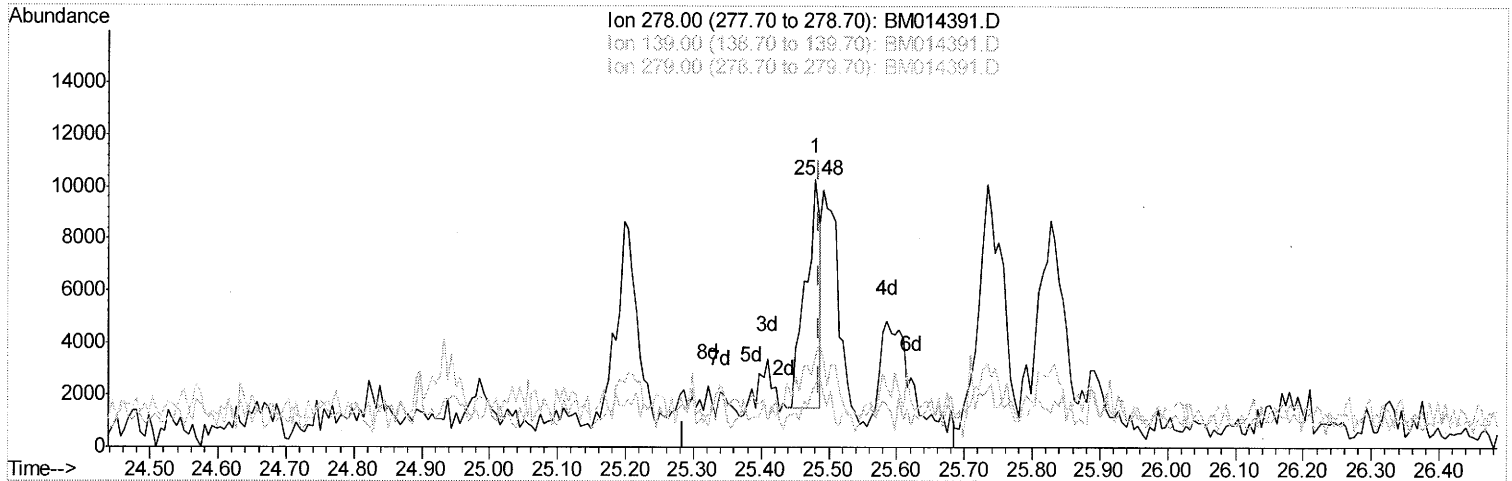
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:50:10 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

(90) Dibenzo(a,h)anthracene

25.480min (-0.006) 0.55ng/ul

response 12922

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	23.25#
279.00	23.20	33.29#
0.00	0.00	0.00

Quantitation Report (Qedit)

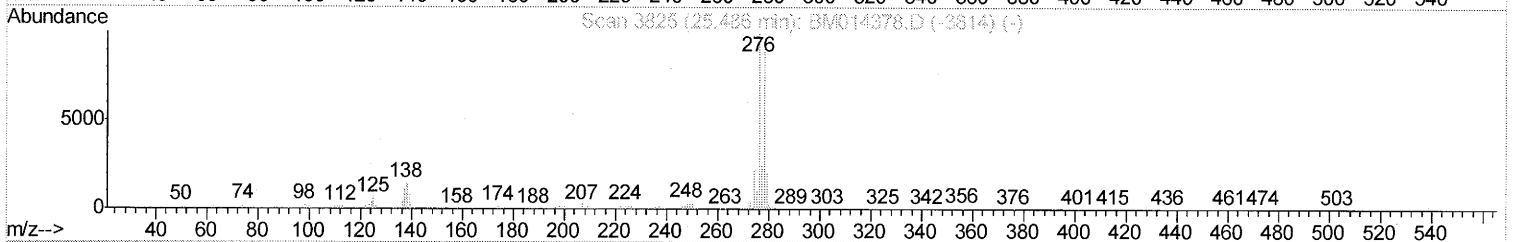
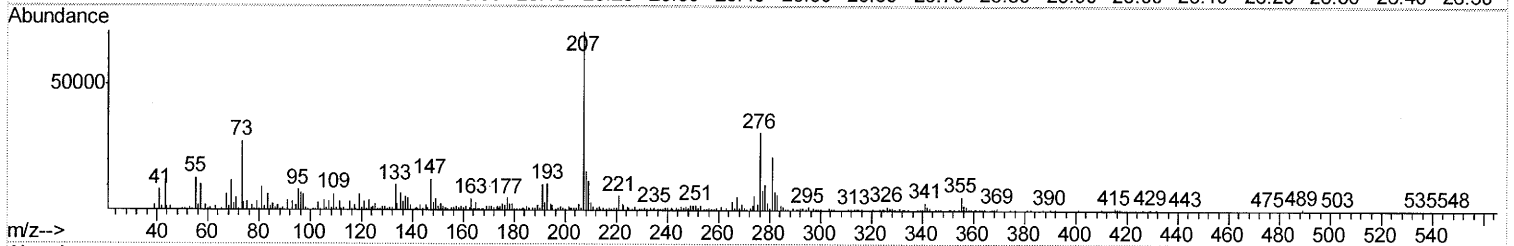
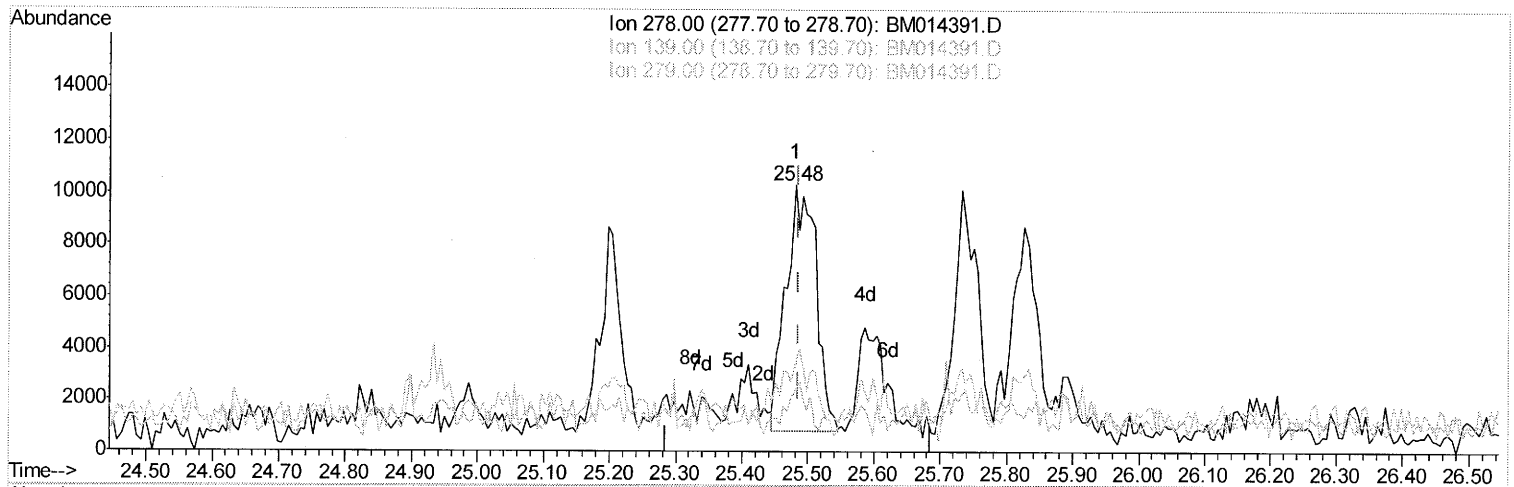
Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
Data File : BM014391.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1646-22 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
BE600

Manual Integrations
APPROVED

Sohil
2/28/2018 1:59:27 PM

Quant Time: Feb 28 02:50:10 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



TIC: BM014391.D

(90) Dibenzo(a,h)anthracene

25.480min (-0.006) 1.27ng/ul m

response 29836

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	23.25#
279.00	23.20	33.29#
0.00	0.00	0.00

2/28/2018

Data Path : Z:\HPCHEM1\BNA M\Data\BM022718\
 Data File : BM014391.D
 Acq On : 27 Feb 2018 20:14
 Operator : SJ/JU
 Sample : J1646-22 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sampled :
 BE600

Manual Integrations
 APPROVED

Sohil
 2/28/2018 1:59:27 PM

Quant Time: Feb 28 03:05:22 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 00:45:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	104996	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	443211	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	249147	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	524743m	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	478827	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	485926	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	2534	1.03	ng/uL	0.00
5) Phenol-d5	6.73	99	29769	3.35	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	19675	3.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	29526	4.34	ng/ul	0.01
13) 4-Methylphenol-d8	8.27	113	24047	3.10	ng/ul	0.03
19) Nitrobenzene-d5	8.69	128	15169	4.63	ng/ul	0.01
22) 2-Nitrophenol-d4	9.40	143	13507m	3.98	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.96	165	27925m	3.98	ng/ul	0.03
29) 4-Chloroaniline-d4	10.47	131	26679m	3.86	ng/ul	0.02
43) Dimethylphthalate-d6	13.60	166	97390	4.73	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	117580	4.63	ng/ul	0.01
51) 4-Nitrophenol-d4	14.50	143	1055	0.37	ng/ul	0.07
57) Fluorene-d10	15.19	176	84399	4.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.04	188	118260	4.67	ng/ul	0.00
76) Pyrene-d10	19.35	212	132732	5.37	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	114623	4.85	ng/ul	0.00

Target Compounds

					Ovalue
69) Phenanthrene	16.99	178	362525m	11.991 ng/ul	> 98
71) Anthracene	17.08	178	68990	2.269 ng/ul	> 98
74) Fluoranthene	19.02	202	499410m	13.826 ng/ul	> 98
77) Pyrene	19.38	202	420677	13.220 ng/ul#	95
80) Benzo(a)anthracene	21.14	228	222838	7.457 ng/ul	97
82) Chrysene	21.19	228	190542	6.835 ng/ul	94
85) Benzo(b)fluoranthene	22.69	252	224407	6.897 ng/ul#	97
86) Benzo(k)fluoranthene	22.72	252	84128m	2.720 ng/ul	> 98
88) Benzo(a)pyrene	23.23	252	172301	5.926 ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.49	276	109538	3.882 ng/ul#	97
90) Dibenzo(a,h)anthracene	25.48	278	29836m	1.273 ng/ul	> 98
91) Benzo(g,h,i)perylene	26.16	276	80142	3.506 ng/ul#	95

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