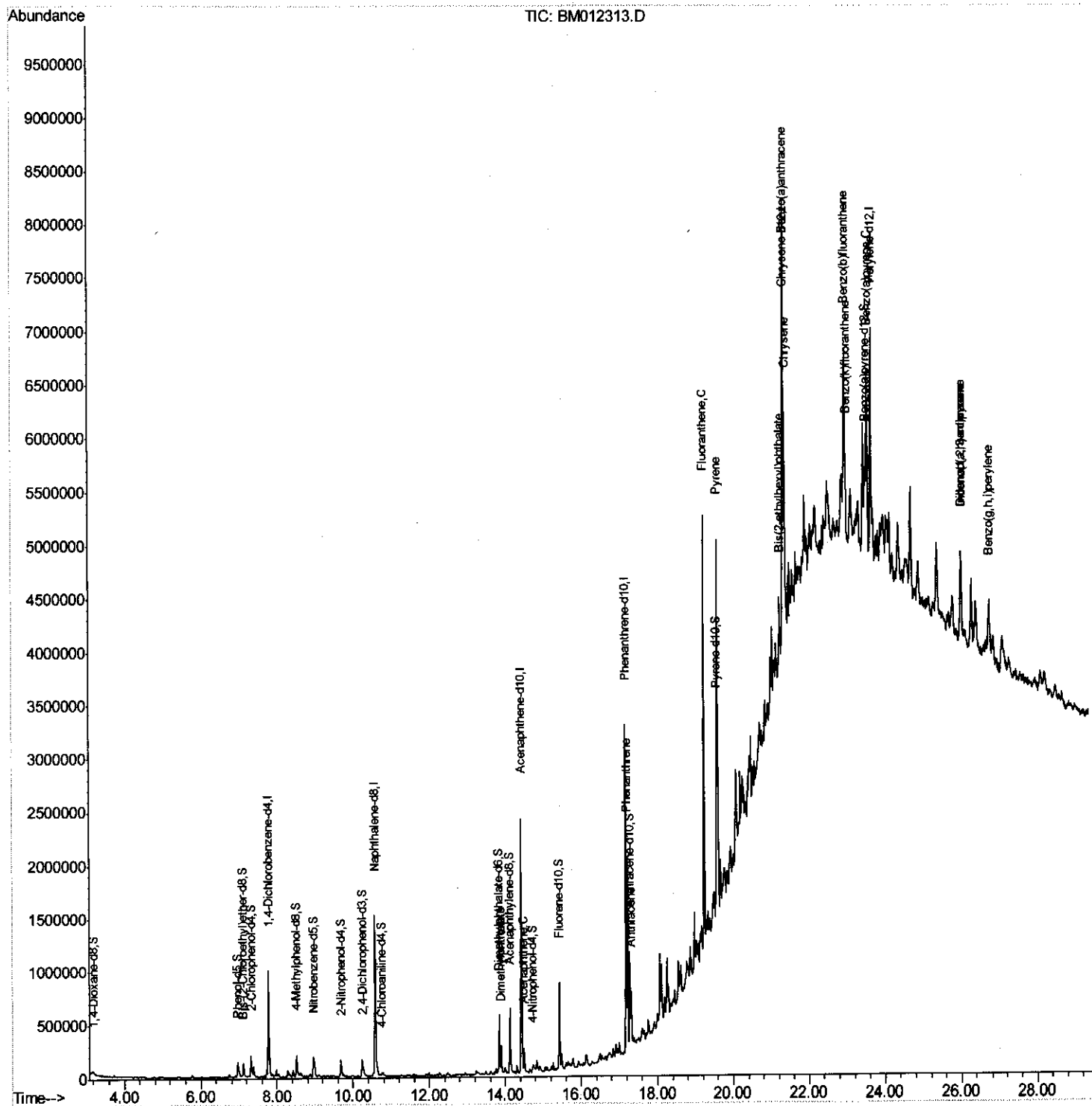


(QT Reviewed)

Instrument :
BNA_M
ClientSampleId :
B-55(0.5-1.5)-100317

Sohil
10/23/2017 3:50:36 PM

Quant Time: Oct 19 16:33:30 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 15:00:52 2017
Response via : Initial Calibration



Quantitation Report (Qedit)

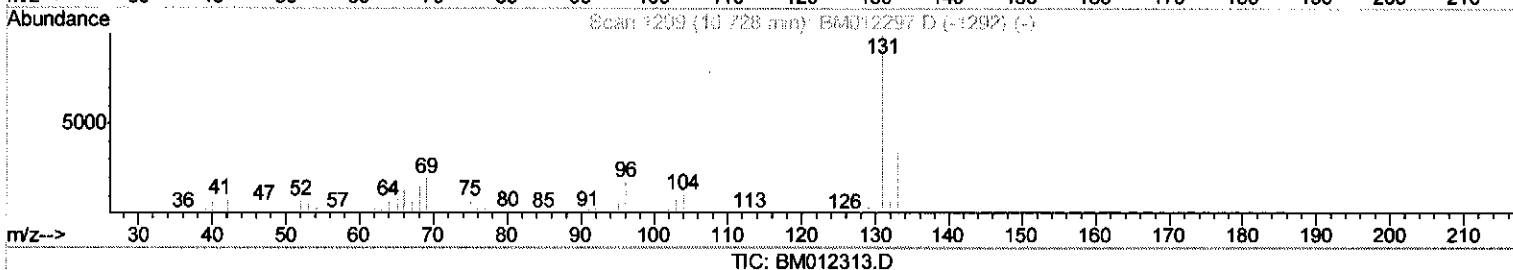
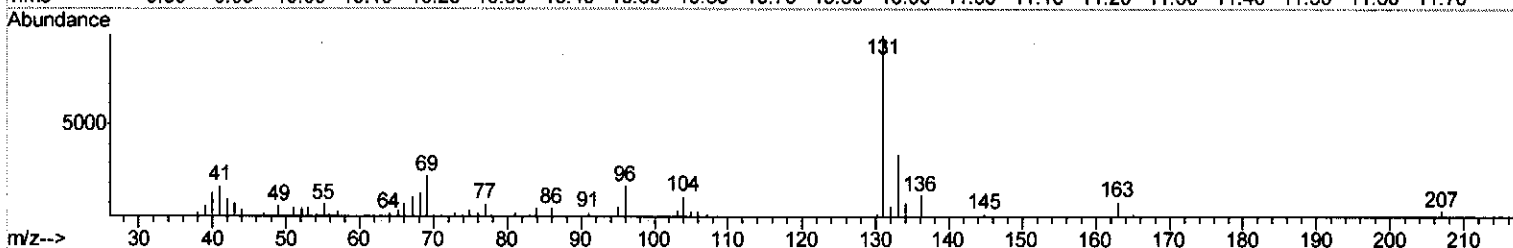
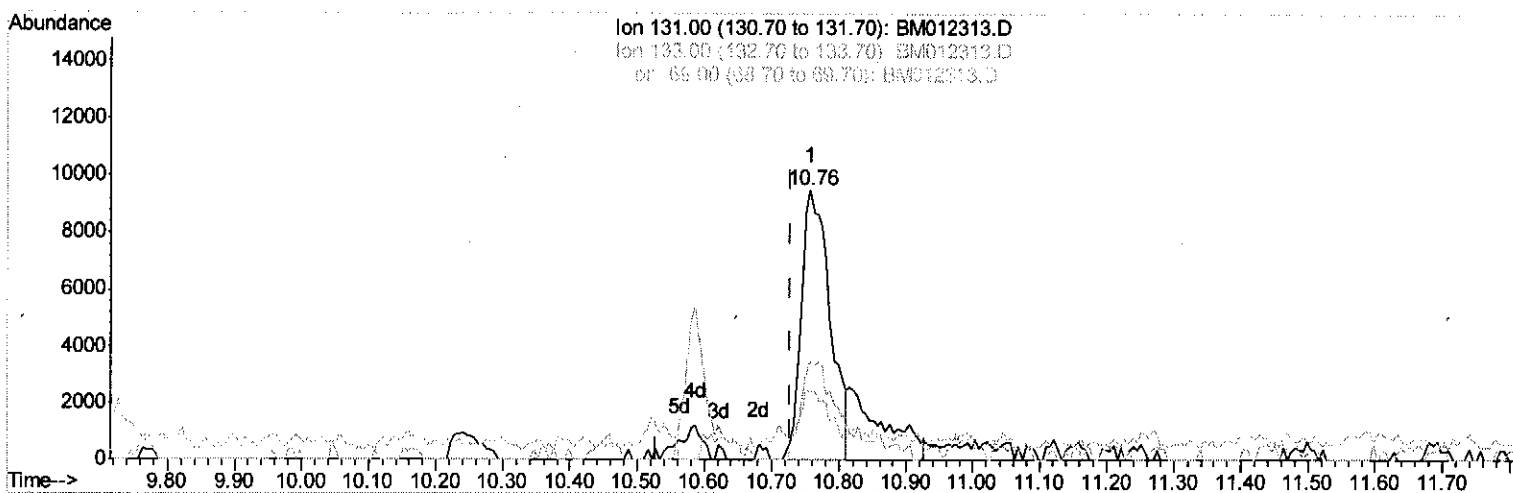
Data Path : Z:\HPCHEM1\BNA_M\Data\BM101817\
 Data File : BM012313.D
 Acq On : 19 Oct 2017 11:37
 Operator : SJ/JU
 Sample : I5693-01 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 B-55(0.5-1.5)-100317

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:50:36 PM

Quant Time: Oct 19 16:30:30 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 15:00:52 2017
 Response via : Initial Calibration



(29) 4-Chloroaniline-d4 (S)

10.757min (+0.030) 1.44ng/ul

response 28251

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	36.56
69.00	17.40	24.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

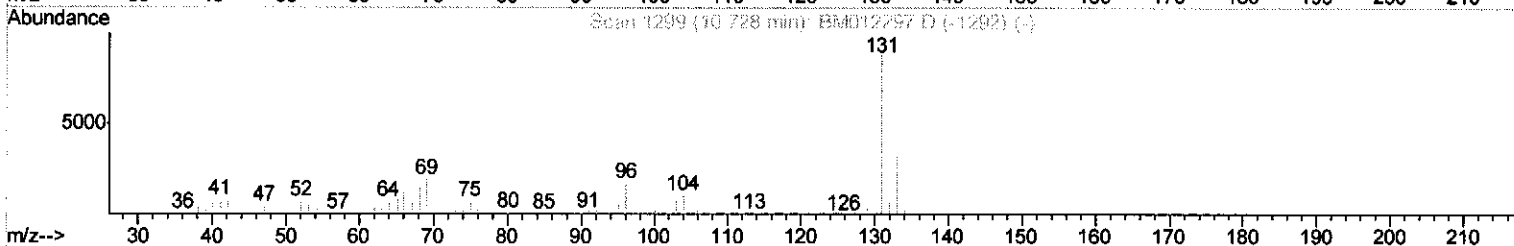
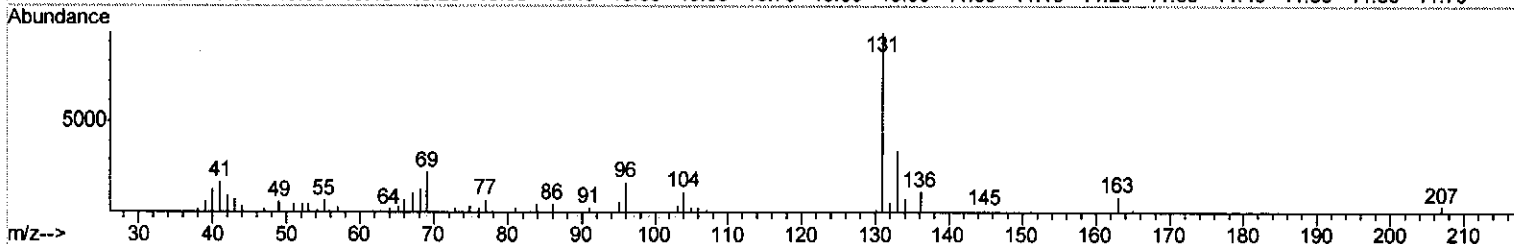
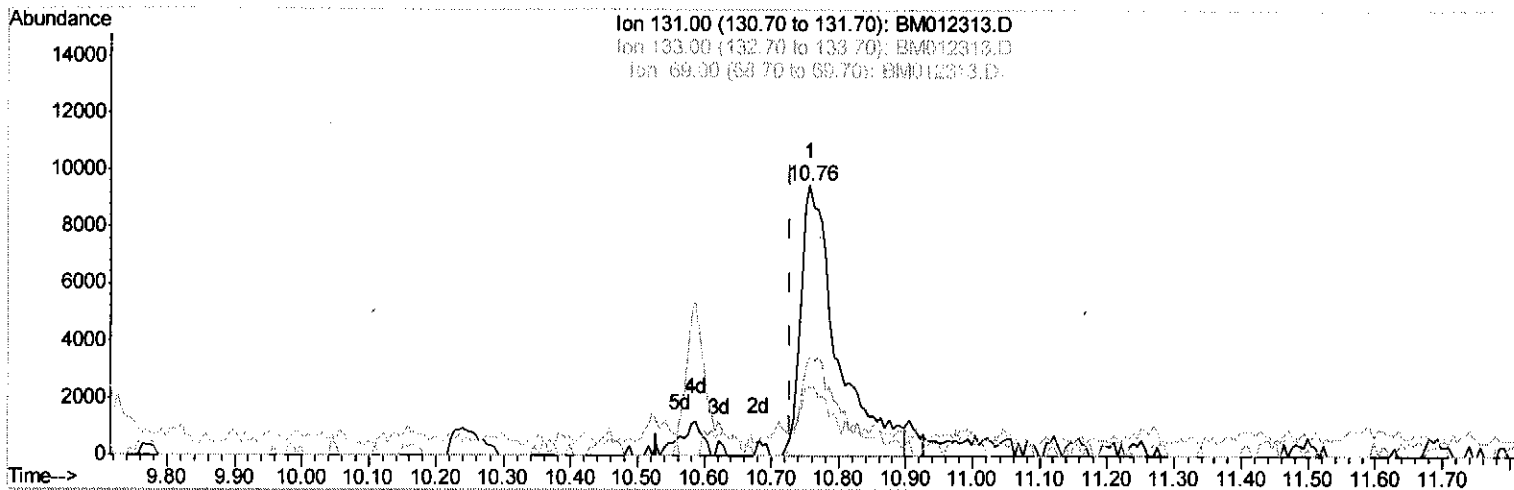
Data Path : Z:\HPCHEM1\BNA_M\Data\BM101817\
 Data File : BM012313.D
 Acq On : 19 Oct 2017 11:37
 Operator : SJ/JU
 Sample : I5693-01 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-55(0.5-1.5)-100317

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:50:36 PM

Quant Time: Oct 19 16:30:30 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 15:00:52 2017
 Response via : Initial Calibration



TIC: BM012313.D

(29) 4-Chloroaniline-d4 (S)

10.757min (+0.030): 1.84ng/ul m

SJ 10/24/17

response 36121

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	36.56
69.00	17.40	24.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

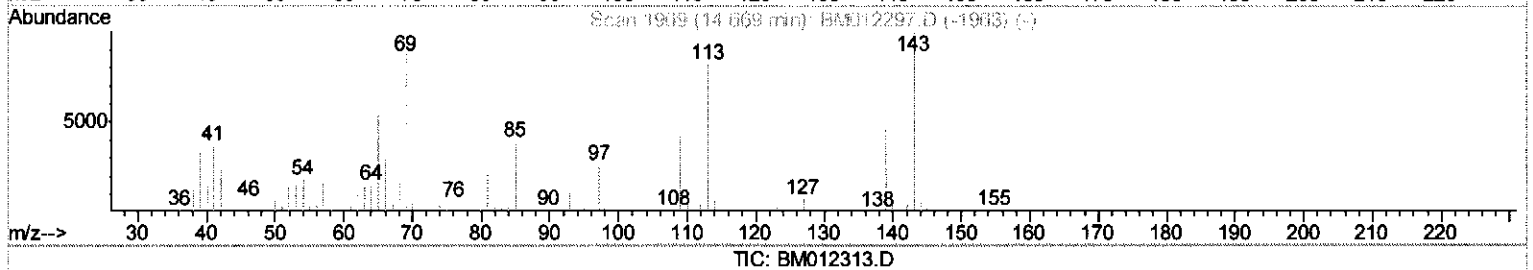
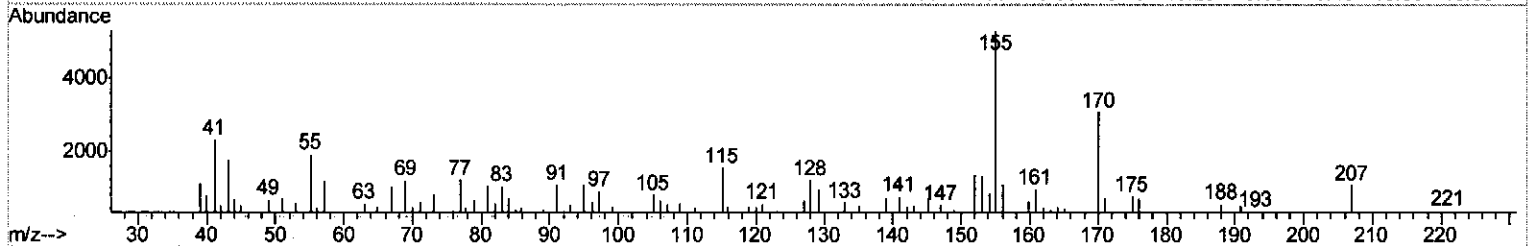
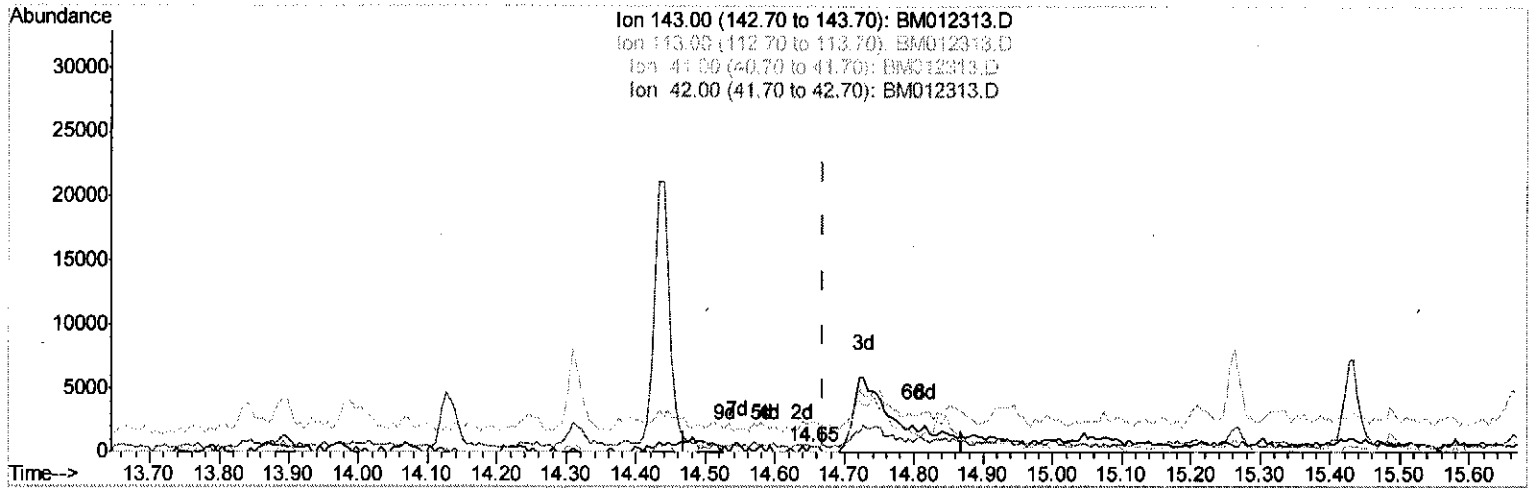
Data Path : Z:\HPCHEM1\BNA_M\Data\BM101817\
Data File : BM012313.D
Acq On : 19 Oct 2017 11:37
Operator : SJ/JU
Sample : I5693-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-55(0.5-1.5)-100317

Manual Integrations
APPROVED

Sohil
10/23/2017 3:50:36 PM

Quant Time: Oct 19 16:30:30 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 15:00:52 2017
Response via : Initial Calibration



(51) 4-Nitrophenol-d4 (S)

14.651min (-0.018) 0.05ng/ul

response 469

Ion	Exp%	Act%
143.00	100	100
113.00	81.80	0.00#
41.00	40.00	481.63#
42.00	25.70	101.67#

Quantitation Report (Qedit)

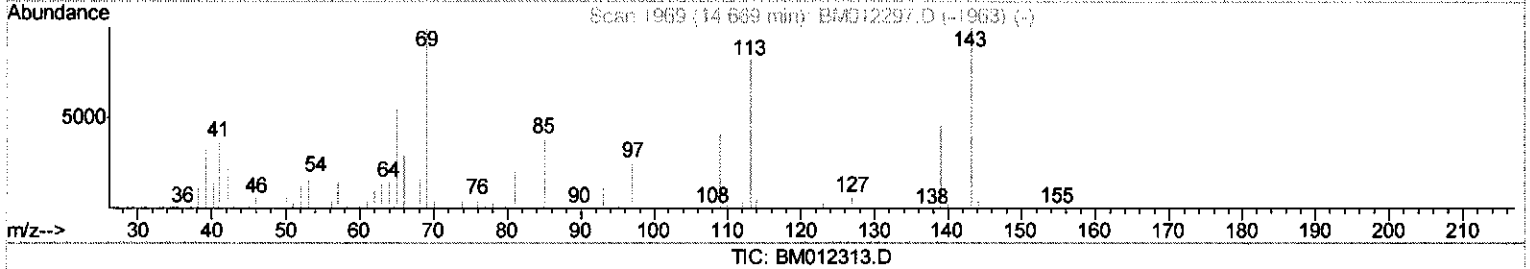
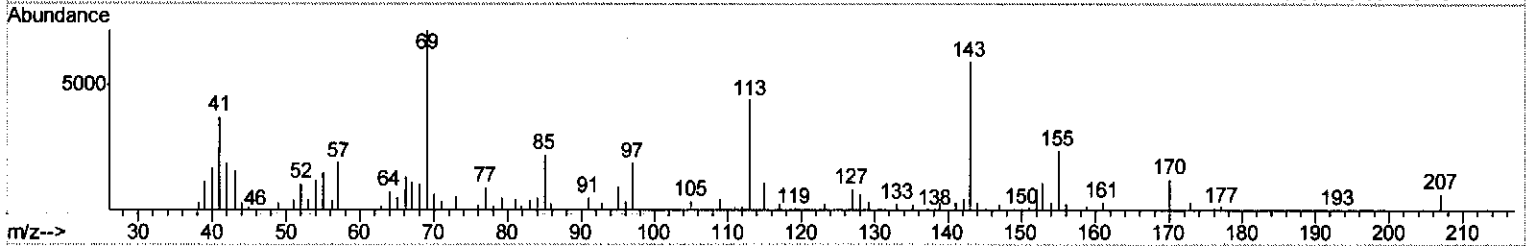
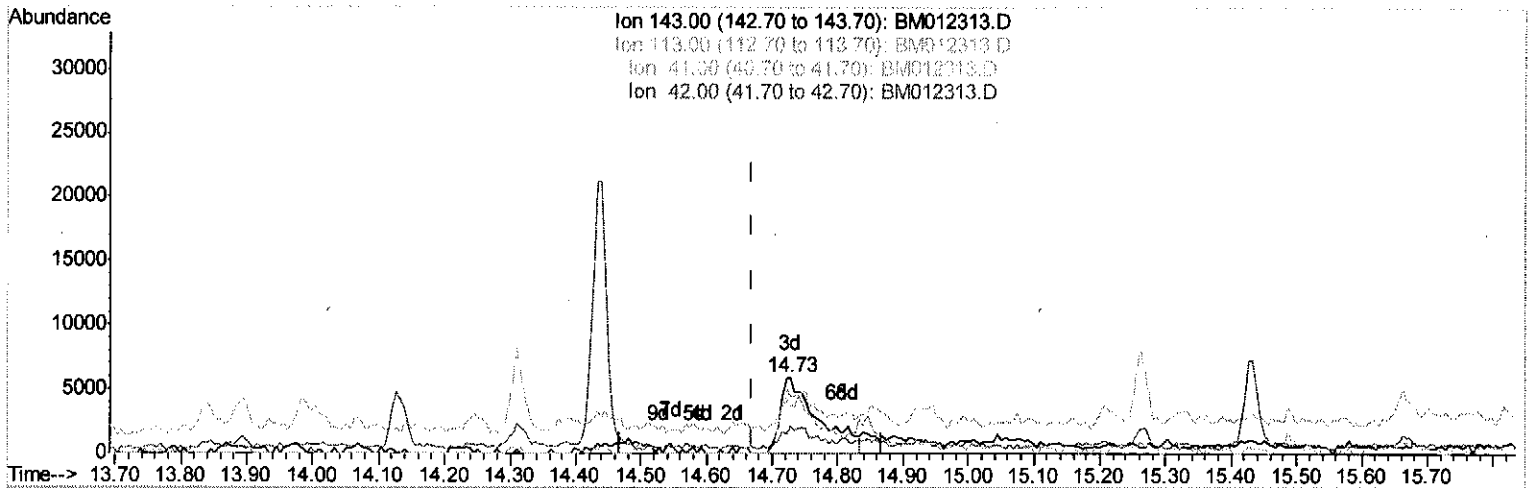
Data Path : Z:\HPCHEM1\BNA_M\Data\BM101817\
 Data File : BM012313.D
 Acq On : 19 Oct 2017 11:37
 Operator : SJ/JU
 Sample : I5693-01 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-55(0.5-1.5)-100317

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:50:36 PM

Quant Time: Oct 19 16:30:30 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 15:00:52 2017
 Response via : Initial Calibration



(51) 4-Nitrophenol-d4 (S)

14.727min (+0.059) 2.33ng/ul m

JU 10/24/17

response 23816

Ion	Exp%	Act%
143.00	100	100
113.00	81.80	75.36
41.00	40.00	64.34#
42.00	25.70	35.47#

Quantitation Report (Qedit)

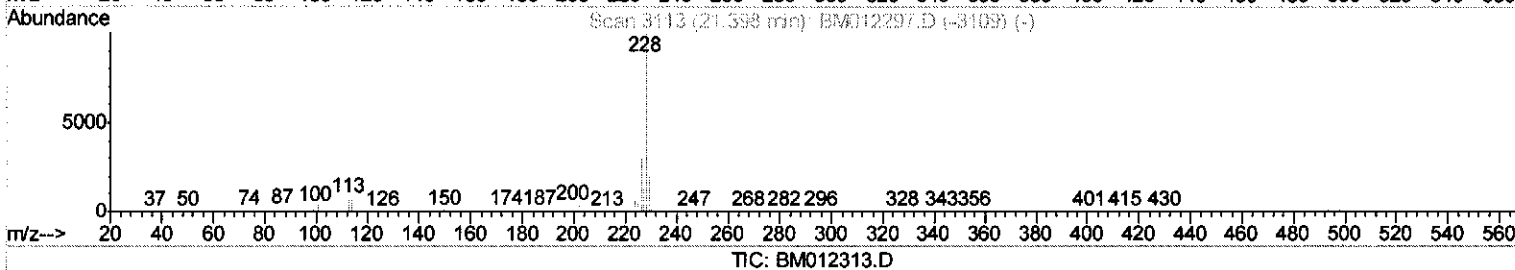
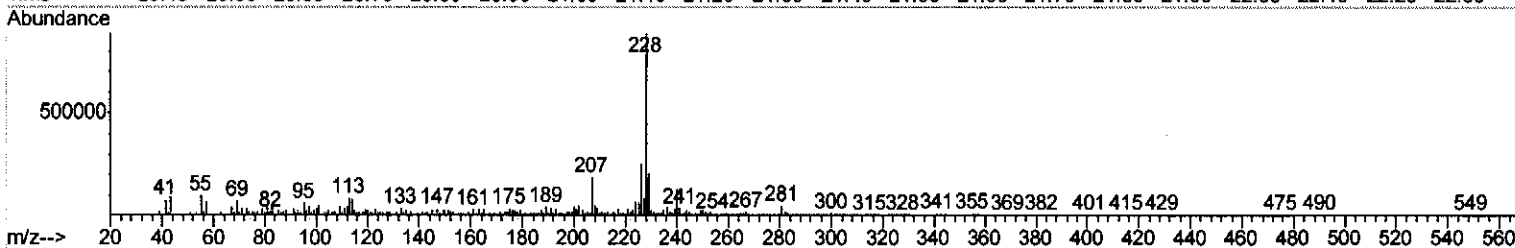
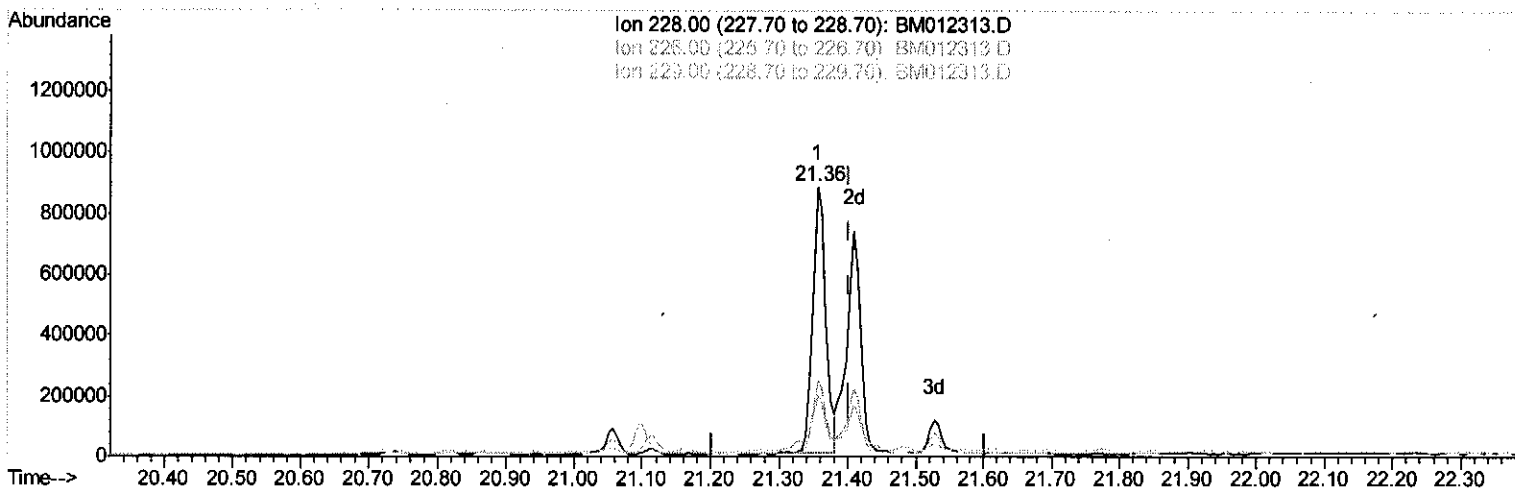
Data Path : Z:\HPCHEM1\BNA_M\Data\BM101817\
Data File : BM012313.D
Acq On : 19 Oct 2017 11:37
Operator : SJ/JU
Sample : I5693-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-55(0.5-1.5)-100317

Manual Integrations
APPROVED

Sohil
10/23/2017 3:50:36 PM

Quant Time: Oct 19 16:30:30 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 15:00:52 2017
Response via : Initial Calibration



(82) Chrysene

21.356min (-0.047) 13.53ng/ul

response 1168957

Ion	Exp%	Act%
228.00	100	100
226.00	30.00	28.16
229.00	19.40	23.03
0.00	0.00	0.00

Quantitation Report (Qedit)

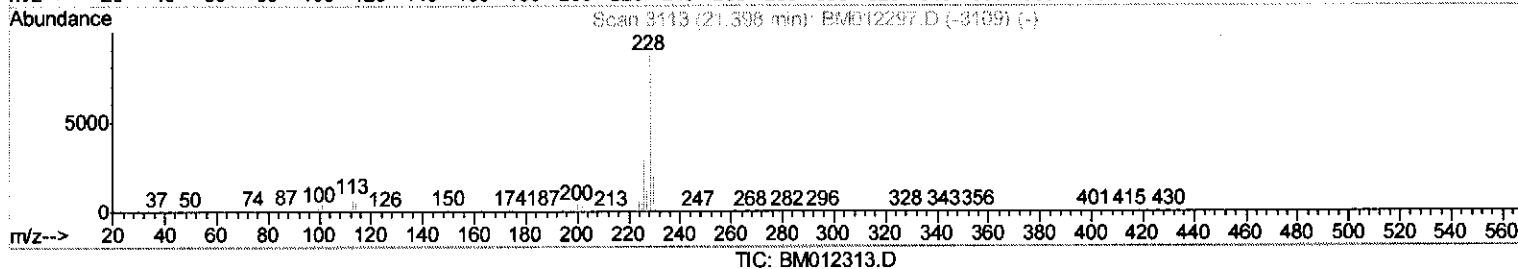
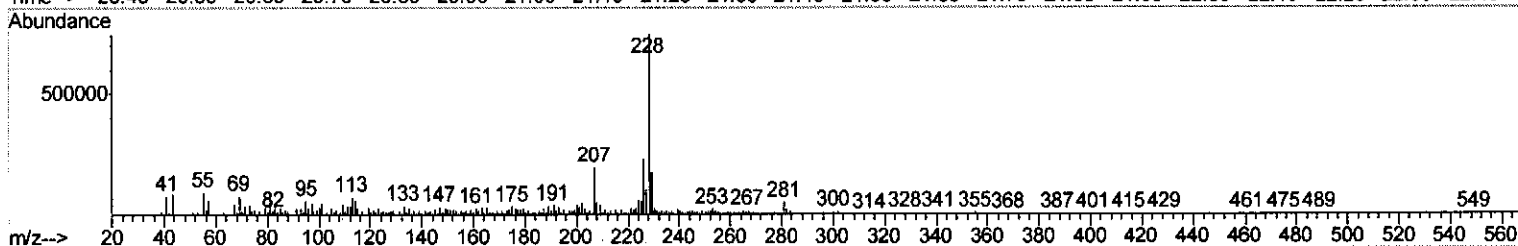
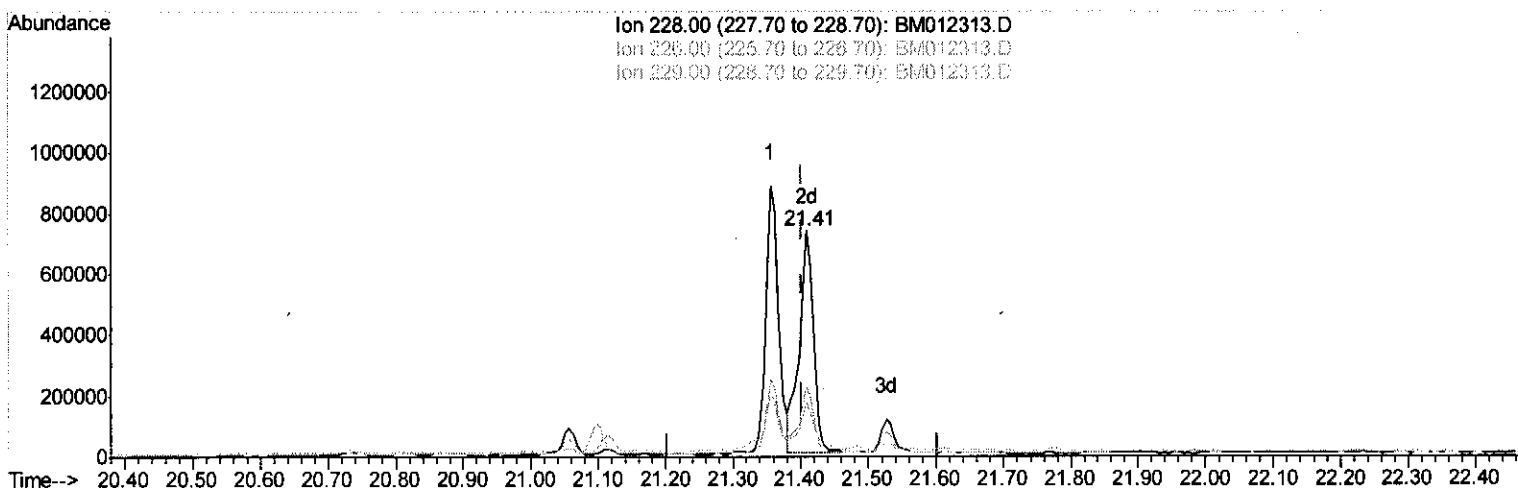
Data Path : Z:\HPCHEM1\BNA_M\Data\BM101817\
 Data File : BM012313.D
 Acq On : 19 Oct 2017 11:37
 Operator : SJ/JU
 Sample : I5693-01 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-55(0.5-1.5)-100317

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:50:36 PM

Quant Time: Oct 19 16:30:30 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 15:00:52 2017
 Response via : Initial Calibration



(82) Chrysene

21.409min (+0.006) 12.31ng/ul m

response 1062971

Ion	Exp%	Act%
228.00	100	100
226.00	30.00	30.57
229.00	19.40	23.67#
0.00	0.00	0.00

JU 10/24/17

Quantitation Report (Qedit)

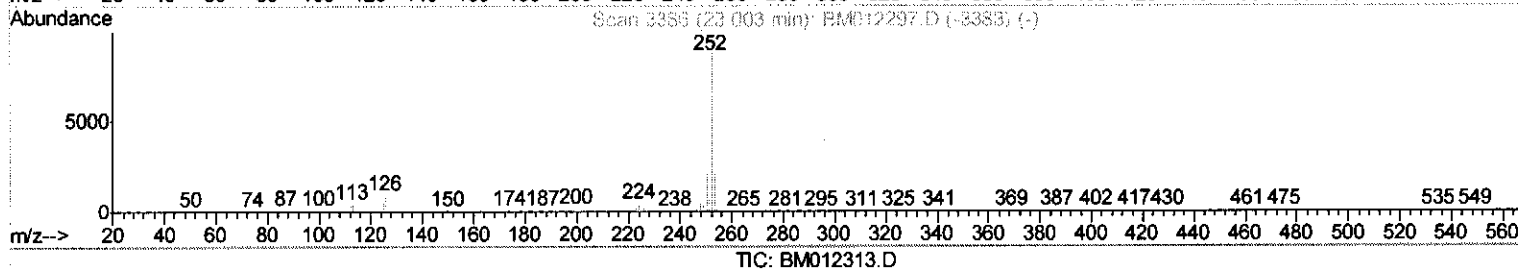
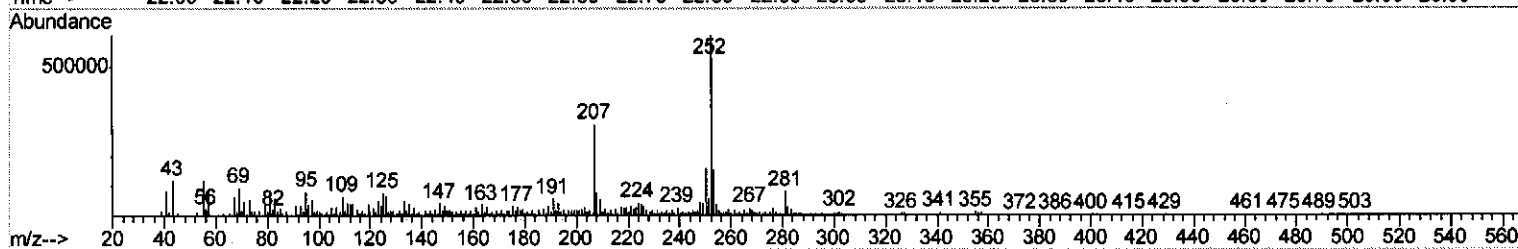
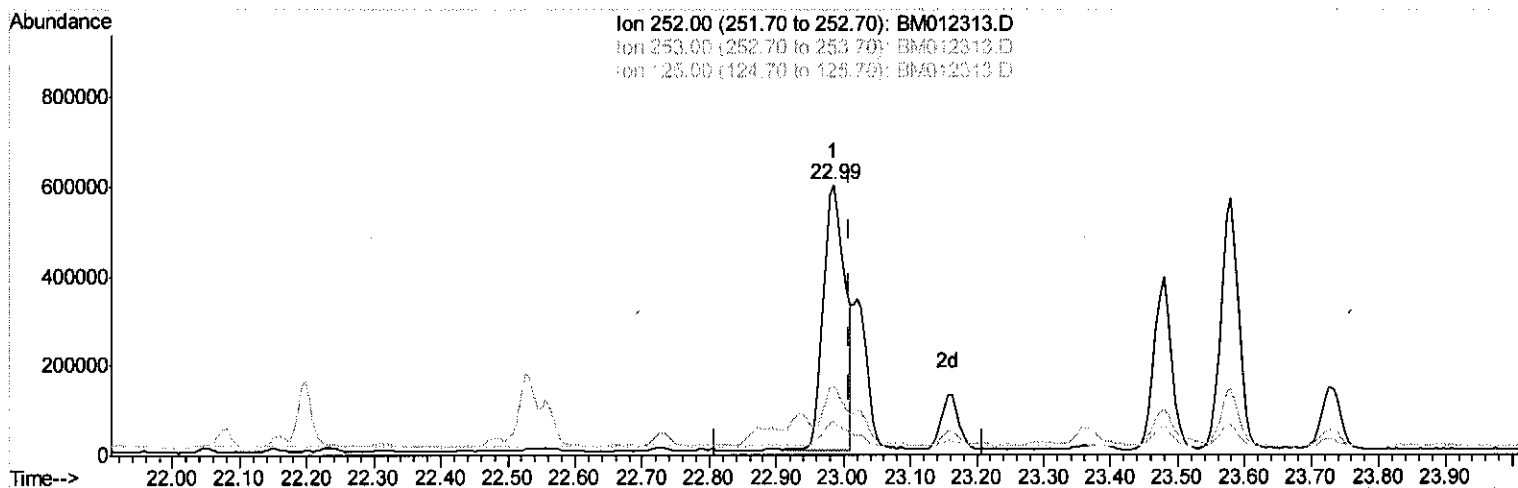
Data Path : Z:\HPCHEM1\BNA_M\Data\BM101817\
 Data File : BM012313.D
 Acq On : 19 Oct 2017 11:37
 Operator : SJ/JU
 Sample : I5693-01 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-55(0.5-1.5)-100317

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:50:36 PM

Quant Time: Oct 19 16:30:30 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 15:00:52 2017
 Response via : Initial Calibration



(86) Benzo(k)fluoranthene

22.986min (-0.023) 14.37ng/ul

response 1326561

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	25.64
125.00	6.10	12.47#
0.00	0.00	0.00

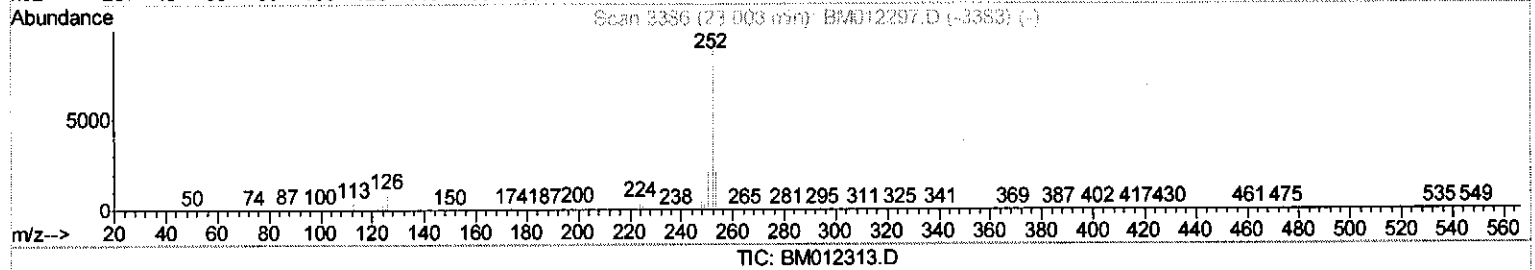
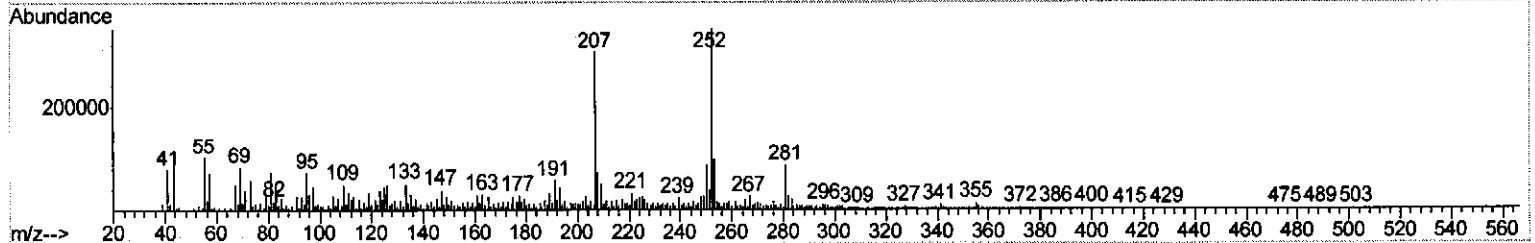
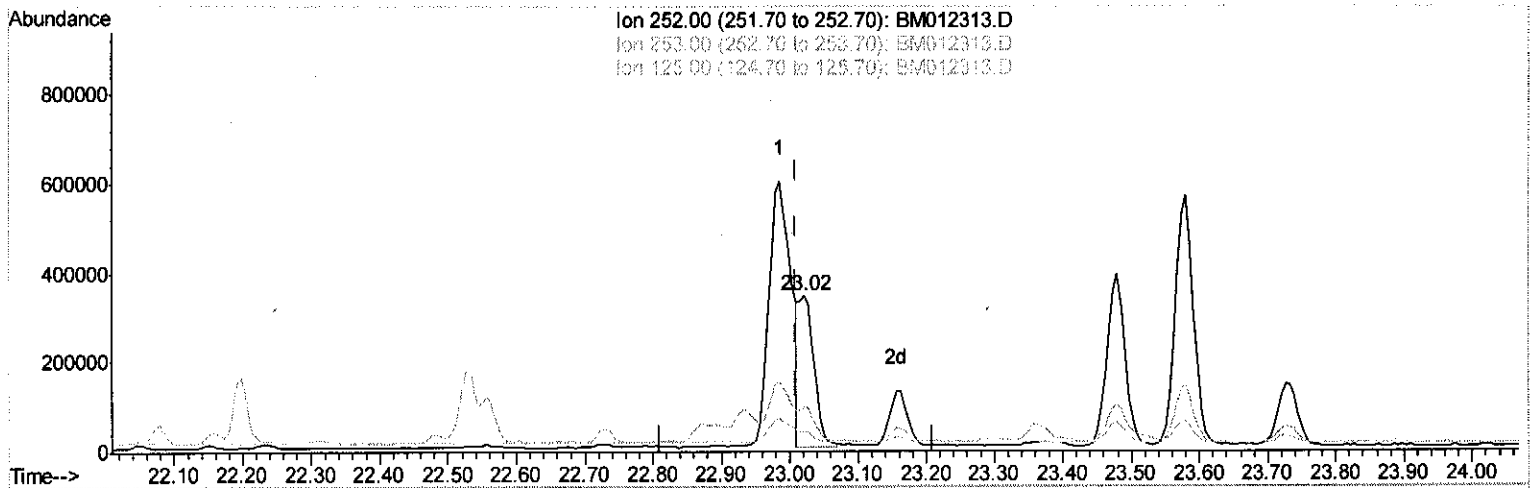
Data Path : Z:\HPCHEM1\BNA_M\Data\BM101817\
Data File : BM012313.D
Acq On : 19 Oct 2017 11:37
Operator : SJ/JU
Sample : I5693-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-55(0.5-1.5)-100317

Manual Integrations
APPROVED

Sohil
10/23/2017 3:50:36 PM

Quant Time: Oct 19 16:30:30 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 15:00:52 2017
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

23.021min (+0.012) 5.67ng/ul m

JU 10/24/17

response 522902

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	28.17#
125.00	6.10	12.89#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM101817\
 Data File : BM012313.D
 Acq On : 19 Oct 2017 11:37
 Operator : SJ/JU
 Sample : I5693-01 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 B-55(0.5-1.5)-100317

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:50:36 PM

Quant Time: Oct 19 16:33:30 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 15:00:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	281419	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	1232980	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	767942	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1725036	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1413720	20.00	ng/ul	0.01
83) Perylene-d12	23.68	264	1467645	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	6321	1.07	ng/uL	0.00
5) Phenol-d5	6.97	99	105487	4.62	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.12	67	67312	4.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	97701	5.04	ng/ul	0.01
13) 4-Methylphenol-d8	8.52	113	94093	4.79	ng/ul	0.02
19) Nitrobenzene-d5	8.96	128	45390	4.82	ng/ul	0.01
22) 2-Nitrophenol-d4	9.68	143	50005	4.55	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.24	165	92502	4.41	ng/ul	0.02
29) 4-Chloroaniline-d4	10.76	131	36121m	1.84	ng/ul	0.03
43) Dimethylphthalate-d6	13.85	166	358320	5.28	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	439712	5.35	ng/ul	0.00
51) 4-Nitrophenol-d4	14.73	143	23816m	2.33	ng/ul	0.06
57) Fluorene-d10	15.43	176	314411	5.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	516	0.04	ng/ul	0.02
70) Anthracene-d10	17.29	188	485496	5.69	ng/ul	0.00
76) Pyrene-d10	19.59	212	466699	6.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.53	264	406376	5.74	ng/ul	0.02

→ JU 10/24/17

→ JU 10/24/17

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
44) Dimethylphthalate	13.89	163	142667	2.098	ng/ul	98
49) Acenaphthene	14.50	153	92193	1.697	ng/ul	99
69) Phenanthrene	17.23	178	1059111	10.793	ng/ul	99
71) Anthracene	17.32	178	315455	3.105	ng/ul	99
74) Fluoranthene	19.25	202	2271918	19.184	ng/ul#	95
77) Pyrene	19.62	202	2027168	21.713	ng/ul#	94
80) Benzo(a)anthracene	21.36	228	1168957	12.707	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.26	149	145893	2.339	ng/ul#	94
82) Chrysene	21.41	228	1062971m	12.308	ng/ul	90
85) Benzo(b)fluoranthene	22.99	252	1326561	13.851	ng/ul#	90
86) Benzo(k)fluoranthene	23.02	252	522902m	5.665	ng/ul	90
88) Benzo(a)pyrene	23.58	252	1039825	11.519	ng/ul#	90
89) Indeno(1,2,3-cd)pyrene	26.04	276	711851	7.426	ng/ul	96
90) Dibenzo(a,h)anthracene	26.04	278	186544	2.315	ng/ul#	65
91) Benzo(g,h,i)perylene	26.77	276	586711	7.473	ng/ul#	91

→ JU 10/24/17

→ JU 10/24/17

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