

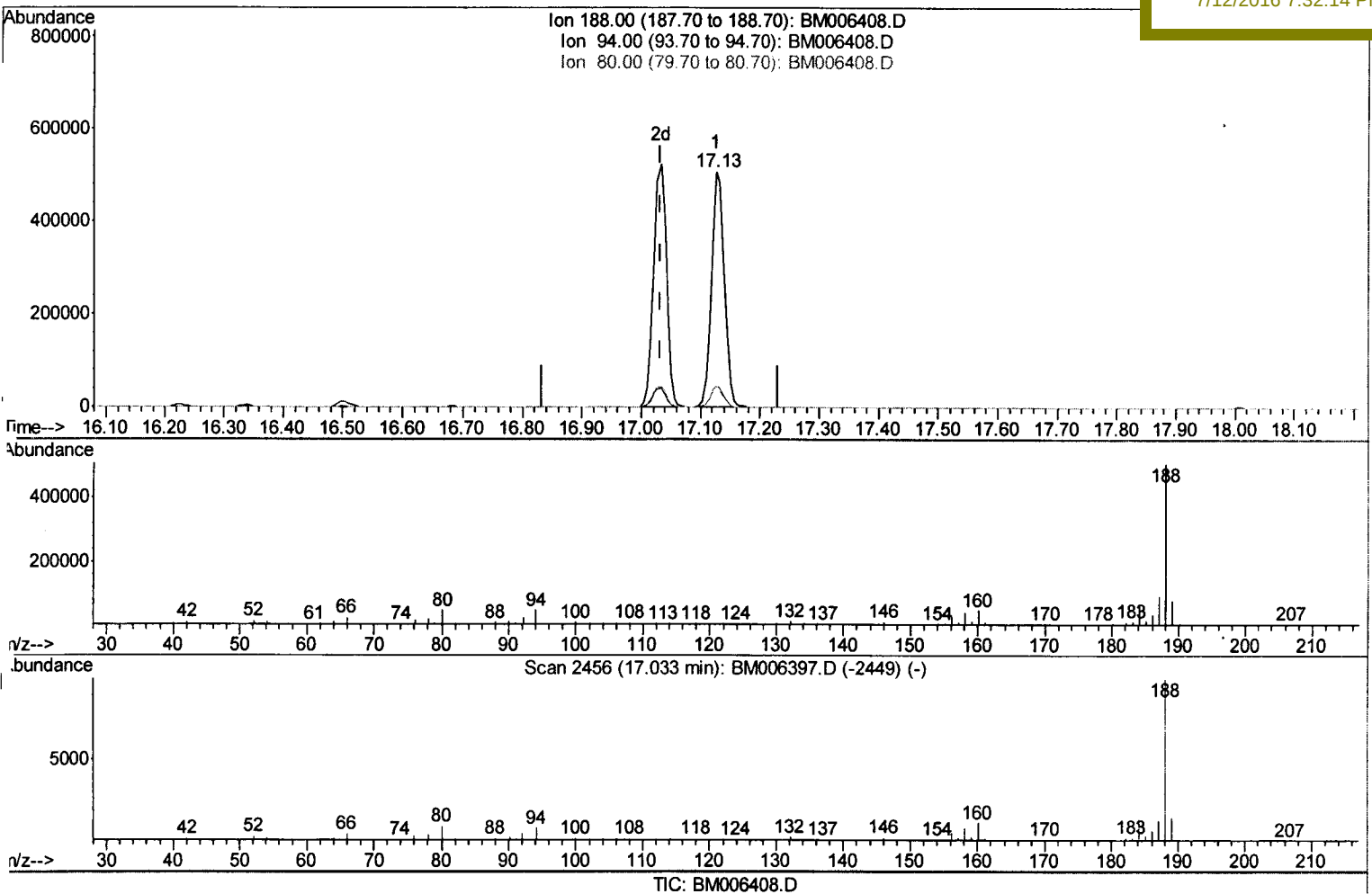
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071116\
Data File : BM006408.D
Acq On : 11 Jul 2016 23:00
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 12 01:00:58 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 12 00:59:35 2016
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02054

Manual Integration

sohil
7/12/2016 7:32:14 PM



(61) Phenanthrene-d10 (I)

17.127min (+0.094) 20.00ng/ul

response 763872

Ion	Exp%	Act%
188.00	100	100
94.00	9.40	8.70
80.00	10.30	8.76
0.00	0.00	0.00

Quantitation Report (Qedit)

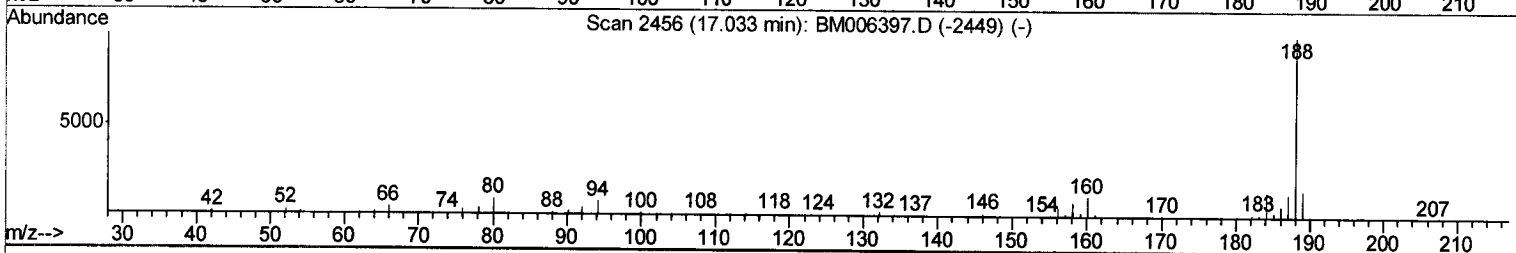
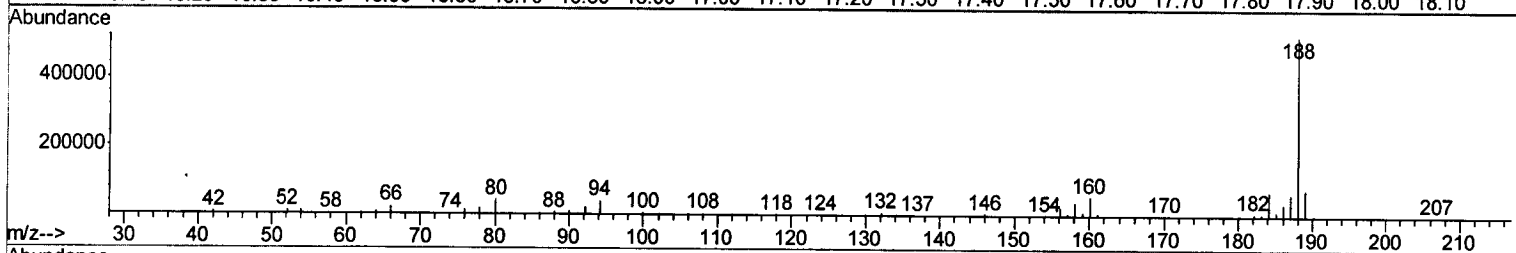
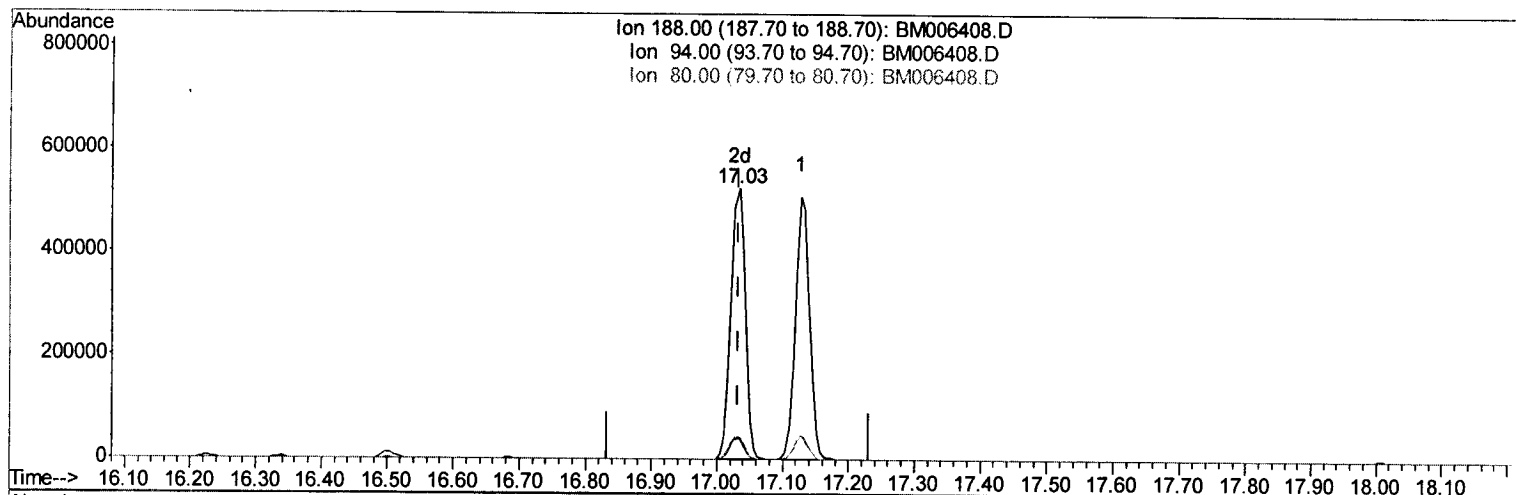
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071116\
 Data File : BM006408.D
 Acq On : 11 Jul 2016 23:00
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02054

Manual Integration

Quant Time: Jul 12 01:00:58 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 12 00:59:35 2016
 Response via : Initial Calibration

sohil
 7/12/2016 7:32:14 PM



TIC: BM006408.D

(61) Phenanthrene-d10 (I)

17.033min (-0.000) 20.00ng/ul m

response 787884

Ion	Exp%	Act%
188.00	100	100
94.00	9.40	7.76
80.00	10.30	8.00#
0.00	0.00	0.00

> U.M
 07/16/16

Quantitation Report (Qedit)

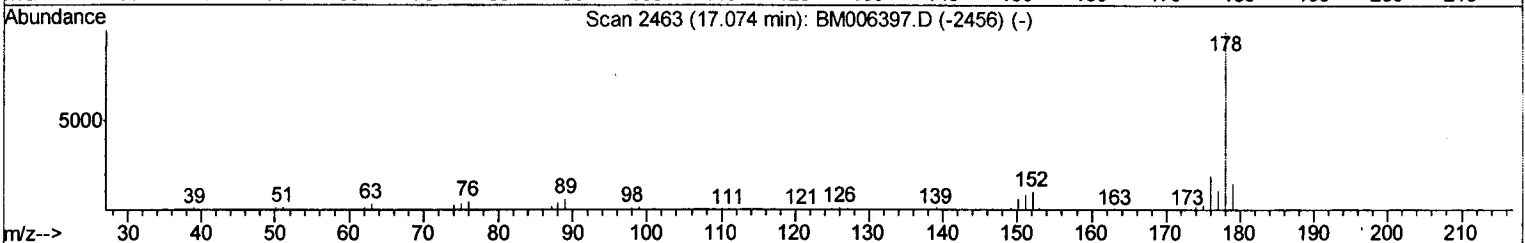
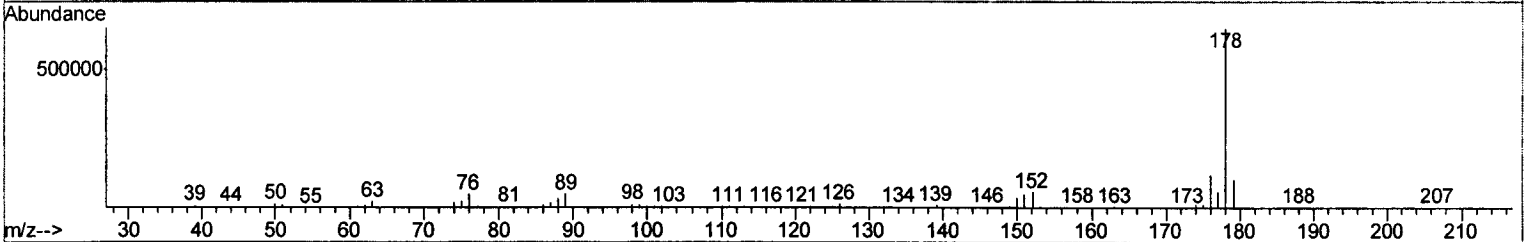
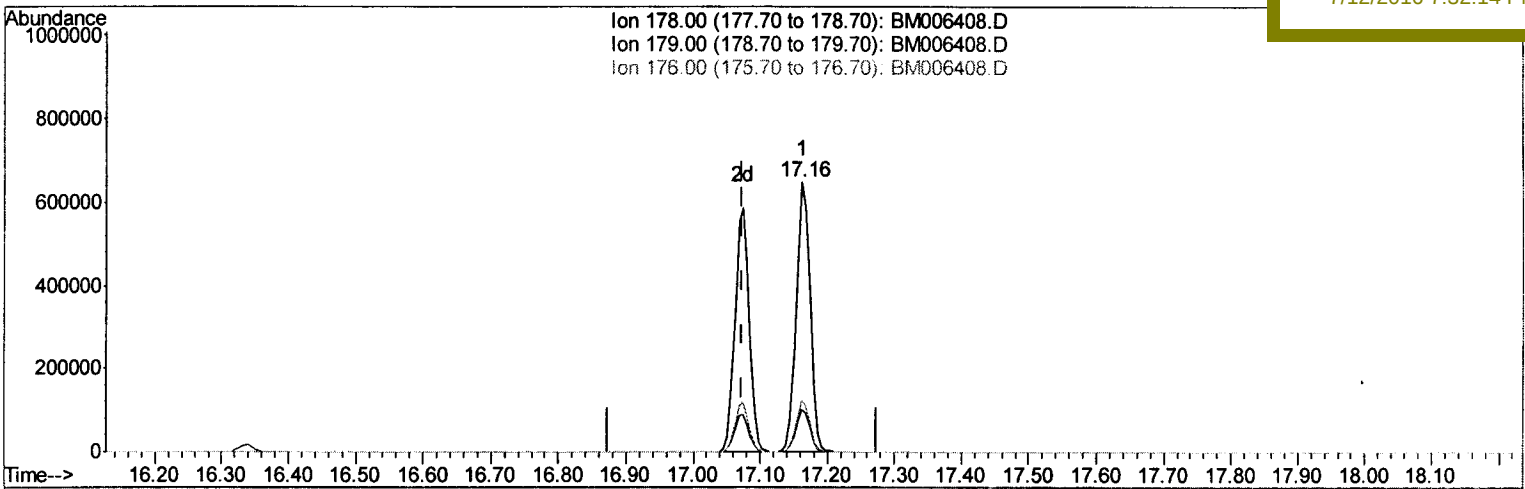
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071116\
 Data File : BM006408.D
 Acq On : 11 Jul 2016 23:00
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02054

Quant Time: Jul 12 01:34:22 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 12 00:59:35 2016
 Response via : Initial Calibration

Manual Integration

sohil
 7/12/2016 7:32:14 PM



TIC: BM006408.D

(69) Phenanthrene

17.162min (+0.088) 20.87ng/ul

response 917003

Ion	Exp%	Act%
178.00	100	100
179.00	14.90	15.48
176.00	19.00	18.45
0.00	0.00	0.00

Quantitation Report (Qedit)

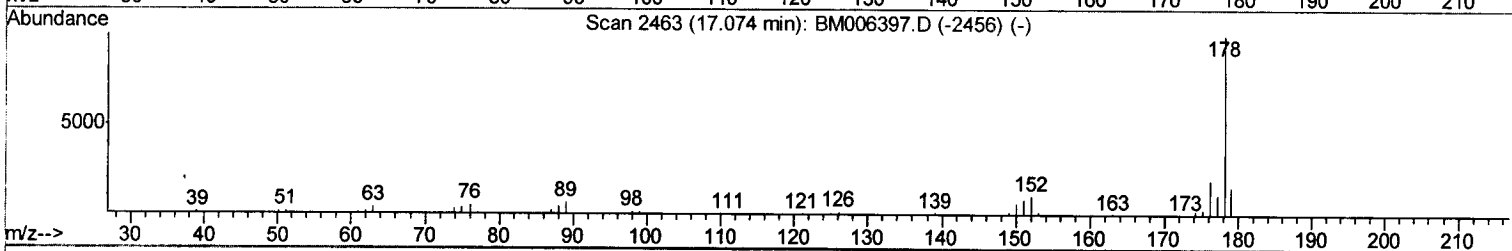
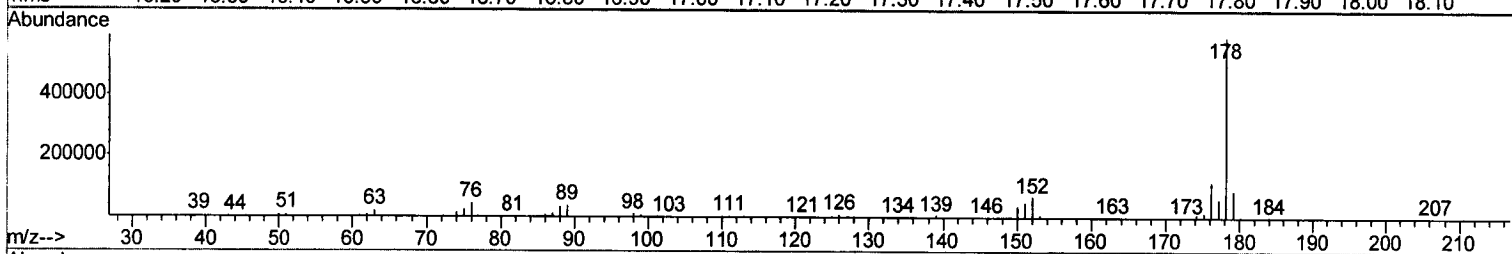
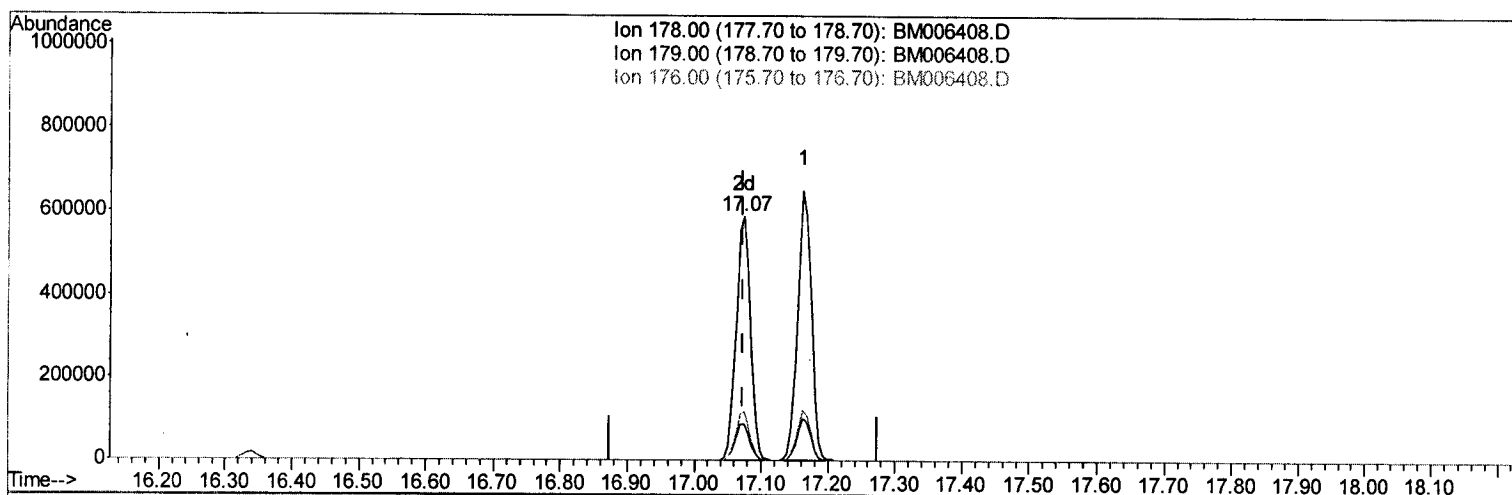
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071116\
 Data File : BM006408.D
 Acq On : 11 Jul 2016 23:00
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02054

Manual Integration

Quant Time: Jul 12 01:34:22 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 12 00:59:35 2016
 Response via : Initial Calibration

APPROVED
 sohil
 7/12/2016 7:32:14 PM



TIC: BM006408.D

(69) Phenanthrene

17.074min (-0.000) 20.22ng/ul m

response 888371

Ion	Exp%	Act%
178.00	100	100
179.00	14.90	14.97
176.00	19.00	19.86
0.00	0.00	0.00

U.M
 07/16/16

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071116\
 Data File : BM006408.D
 Acq On : 11 Jul 2016 23:00
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02054

Manual Integration

sohil
 7/12/2016 7:32:14 PM

> U. M
 07/16/16

Quant Time: Jul 12 01:34:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 12 00:59:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	158397	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	647753	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.28	164	356873	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.03	188	787884m	20.00	ng/ul	0.00
75) Chrysene-d12	21.23	240	879968	20.00	ng/ul	0.00
83) Perylene-d12	23.43	264	1006633	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	29368	7.93	ng/uL	0.00
5) Phenol-d5	6.81	99	271211	18.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	168338	19.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	217527	19.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	211752	17.64	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	101482	19.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	111989	19.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	210839	19.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	265601	24.11	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	581818	19.54	ng/ul	0.00
46) Acenaphthylene-d8	13.97	160	746229	20.24	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	99585	17.64	ng/ul	0.00
57) Fluorene-d10	15.28	176	504528	19.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	85622	18.55	ng/ul	0.00
70) Anthracene-d10	17.13	188	763872	20.32	ng/ul	0.00
76) Pyrene-d10	19.43	212	866259	20.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.29	264	958078	20.48	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.18	88	31575	7.79 ng/uL#	12
4) Benzaldehyde	6.77	77	188308	21.95 ng/ul	98
6) Phenol	6.83	94	287035	18.62 ng/ul	95
8) Bis(2-Chloroethyl)ether	7.06	93	219029	19.24 ng/ul	97
10) 2-Chlorophenol	7.20	128	224017	19.06 ng/ul	99
11) 2-Methylphenol	8.07	108	216734	18.36 ng/ul	100
12) 2,2'-oxybis(1-Chloropropan	8.17	45	342346	20.13 ng/ul	99
14) Acetophenone	8.45	105	341394	18.66 ng/ul	95
15) N-Nitroso-di-n-propylamine	8.43	70	172904	16.55 ng/ul	92
16) 4-Methylphenol	8.40	108	229769	17.93 ng/ul	100
17) Hexachloroethane	8.70	117	93025	19.33 ng/ul	85
20) Nitrobenzene	8.83	77	270336	20.14 ng/ul	99
21) Isophorone	9.35	82	471480	18.43 ng/ul	97
23) 2-Nitrophenol	9.53	139	121764	19.32 ng/ul	93
24) 2,4-Dimethylphenol	9.60	107	262900	19.74 ng/ul	98
25) Bis(2-Chloroethoxy)methane	9.83	93	288159	18.85 ng/ul	99
27) 2,4-Dichlorophenol	10.06	162	213416	20.34 ng/ul	100
28) Naphthalene	10.46	128	668959	20.07 ng/ul	99
30) 4-Chloroaniline	10.57	127	275446	24.06 ng/ul	98
31) Hexachlorobutadiene	10.74	225	146761	22.38 ng/ul	99
32) Caprolactam	11.33	113	63092	15.18 ng/ul	95
33) 4-Chloro-3-methylphenol	11.71	107	232165	18.13 ng/ul	97
34) 2-Methylnaphthalene	12.08	142	490794	19.40 ng/ul	100

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071116\
 Data File : BM006408.D
 Acq On : 11 Jul 2016 23:00
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02054

Manual Integration

sohil
 7/12/2016 7:32:14 PM

Quant Time: Jul 12 01:34:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 12 00:59:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.46	216	264875	22.32	ng/ul	98
37) Hexachlorocyclopentadiene	12.43	237	130221	19.30	ng/ul	97
38) 2,4,6-Trichlorophenol	12.70	196	168941	20.15	ng/ul	97
39) 2,4,5-Trichlorophenol	12.78	196	175833	20.08	ng/ul	98
40) 1,1'-Biphenyl	13.11	154	619235	21.04	ng/ul	98
41) 2-Chloronaphthalene	13.14	162	484300	21.12	ng/ul	98
42) 2-Nitroaniline	13.36	65	163481	18.68	ng/ul	96
44) Dimethylphthalate	13.74	163	581041	19.41	ng/ul	98
45) 2,6-Dinitrotoluene	13.87	165	119978	18.49	ng/ul	99
47) Acenaphthylene	14.00	152	776255	20.05	ng/ul	99
48) 3-Nitroaniline	14.19	138	128101	21.61	ng/ul	100
49) Acenaphthene	14.34	153	492232	20.02	ng/ul	99
50) 2,4-Dinitrophenol	14.41	184	50253	13.91	ng/ul	96
52) 4-Nitrophenol	14.52	109	108475	19.11	ng/ul	88
53) Dibenzofuran	14.68	168	707165	20.15	ng/ul	96
54) 2,4-Dinitrotoluene	14.66	165	172840	18.86	ng/ul	94
55) 2,3,4,6-Tetrachlorophenol	14.92	232	151573	19.20	ng/ul	96
56) Diethylphthalate	15.12	149	596858	19.10	ng/ul	100
58) Fluorene	15.33	166	549686	19.53	ng/ul	100
59) 4-Chlorophenyl-phenylether	15.33	204	278347	20.15	ng/ul	100
60) 4-Nitroaniline	15.36	138	139660	19.98	ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.43	198	91832	18.52	ng/ul	98
64) N-Nitrosodiphenylamine	15.54	169	492929	20.71	ng/ul	99
65) 4-Bromophenyl-phenylether	16.23	248	185578	21.04	ng/ul	99
66) Hexachlorobenzene	16.34	284	203383	20.88	ng/ul	99
67) Atrazine	16.50	200	183234	20.84	ng/ul	97
68) Pentachlorophenol	16.69	266	97741	18.89	ng/ul	98
69) Phenanthrene	17.07	178	888371m	20.22	ng/ul	
71) Anthracene	17.16	178	916051	20.18	ng/ul	99
72) Carbazole	17.44	167	819064	21.53	ng/ul	100
73) Di-n-butylphthalate	18.00	149	1002754	19.18	ng/ul	99
74) Fluoranthene	19.10	202	1081429	22.11	ng/ul#	94
77) Pyrene	19.46	202	1114495	20.20	ng/ul	94
78) Butylbenzylphthalate	20.37	149	483565	19.18	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.15	252	374797	23.04	ng/ul	97
80) Benzo(a)anthracene	21.21	228	1089028	20.18	ng/ul	100
81) Bis(2-ethylhexyl)phthalate	21.15	149	635190	18.78	ng/ul	99
82) Chrysene	21.27	228	1042765	21.16	ng/ul	99
84) Di-n-octyl phthalate	22.01	149	1261945	21.10	ng/ul	100
85) Benzo(b)fluoranthene	22.77	252	1256523	21.08	ng/ul	99
86) Benzo(k)fluoranthene	22.81	252	1131899	20.41	ng/ul	98
88) Benzo(a)pyrene	23.34	252	1196421	20.74	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.64	276	1375280	20.84	ng/ul	97
90) Dibenzo(a,h)anthracene	25.66	278	1142917	21.00	ng/ul	98
91) Benzo(g,h,i)perylene	26.32	276	1221996	21.47	ng/ul	98

> U.M
 07/16/16

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

```
Data Path   : Z:\HPCHEM1\BNA_M\DATA\BM071116\  
Data File  : BM006408.D  
Acq On     : 11 Jul 2016   23:00  
Operator   : UM/SJ  
Sample     : SSTDCCC020EC  
Misc       :  
ALS Vial   : 2      Sample Multiplier: 1
```

Instrument :
BNA_M
LabSampleId :
SSTD02054

Quant Time: Jul 12 01:34:53 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 12 00:59:35 2016
Response via : Initial Calibration

Manual Integration

sohil
7/12/2016 7:32:14 PM

