Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024916.D
Acq On : 23 Nov 2016 21:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 01:29:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02033

Manual Integrations APPROVED
sohil
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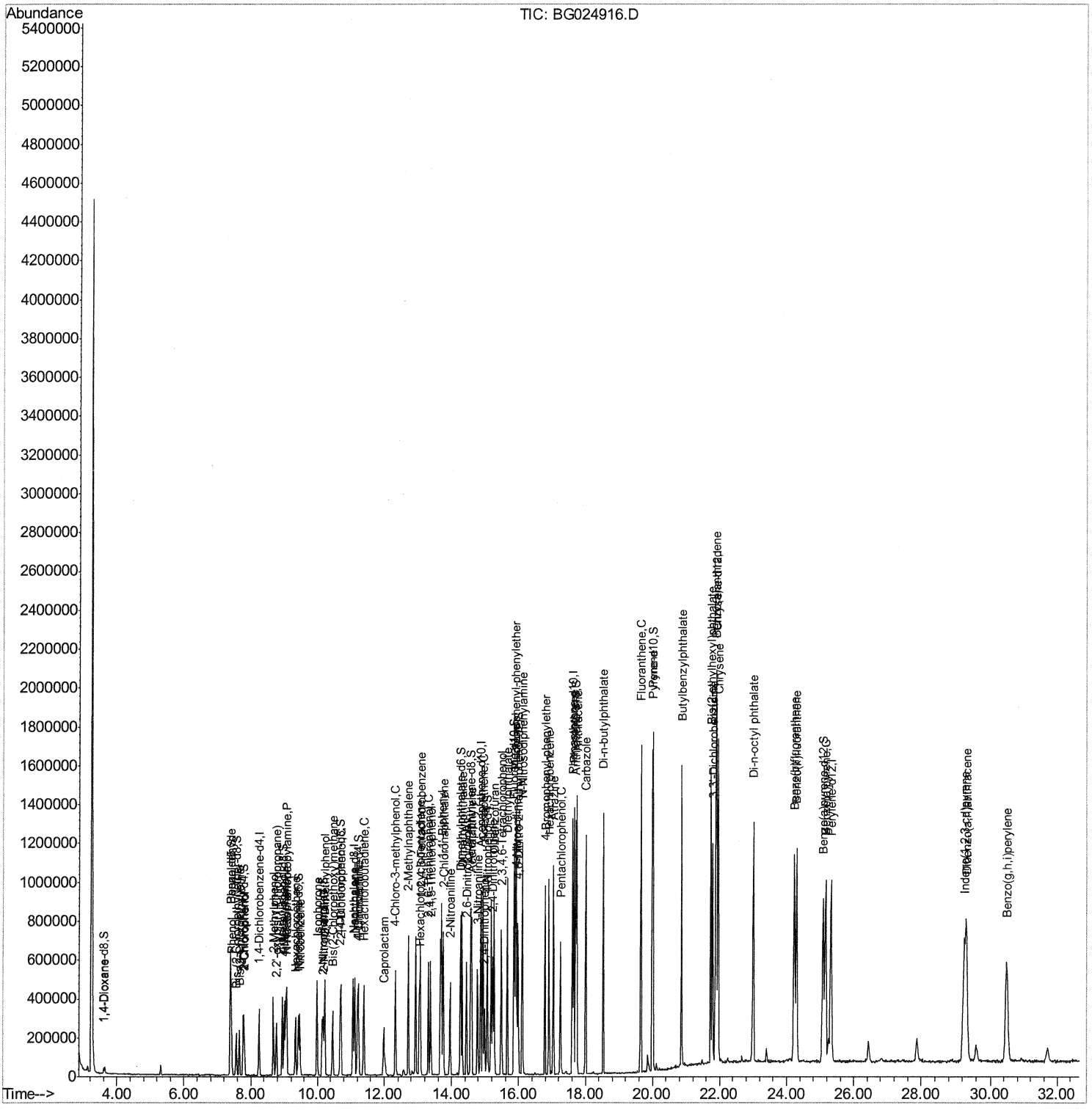

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024916.D
Acq On : 23 Nov 2016 21:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 01:13:04 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02033

Manual Integrations APPROVED
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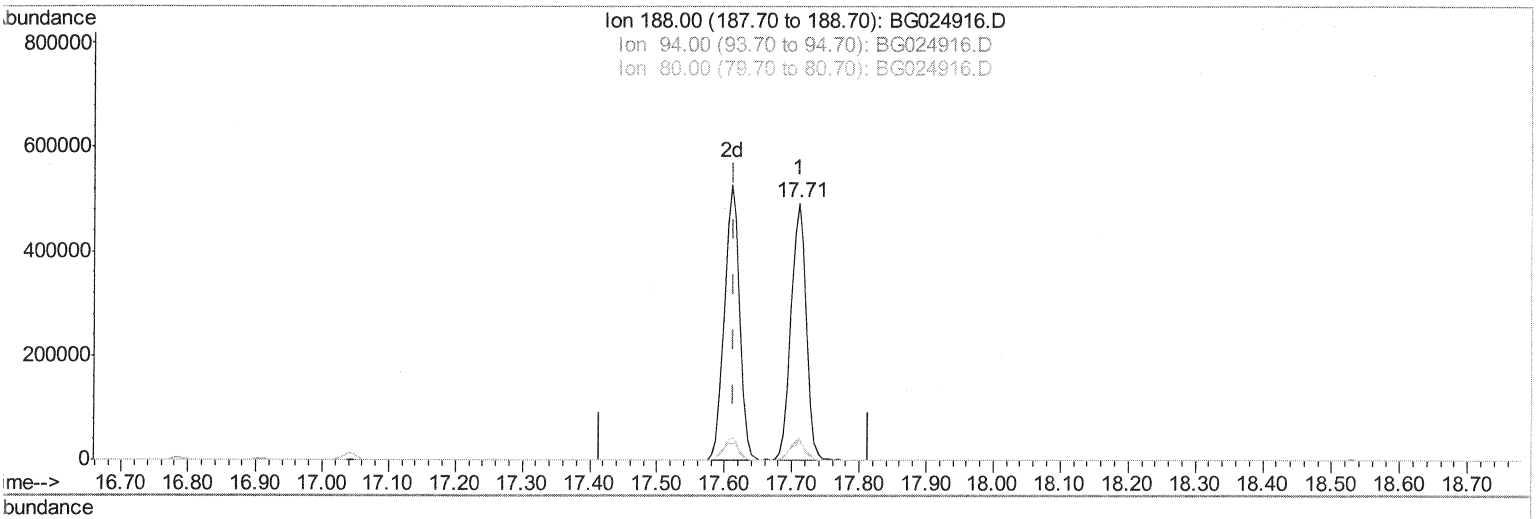

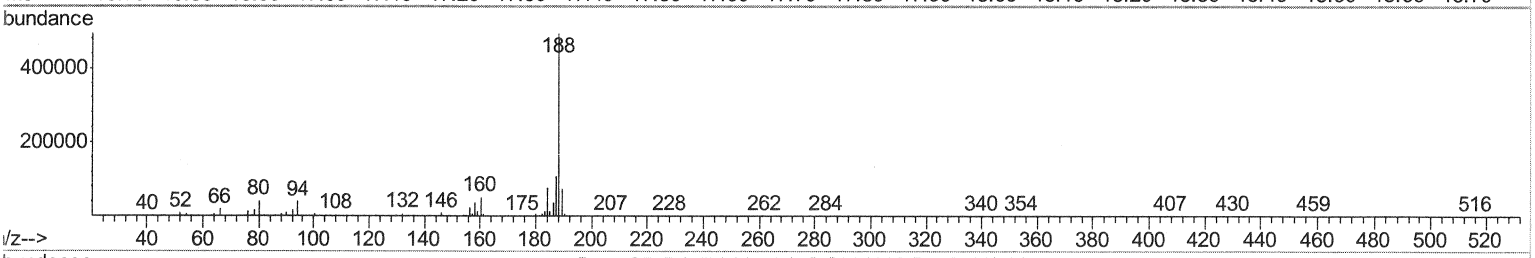

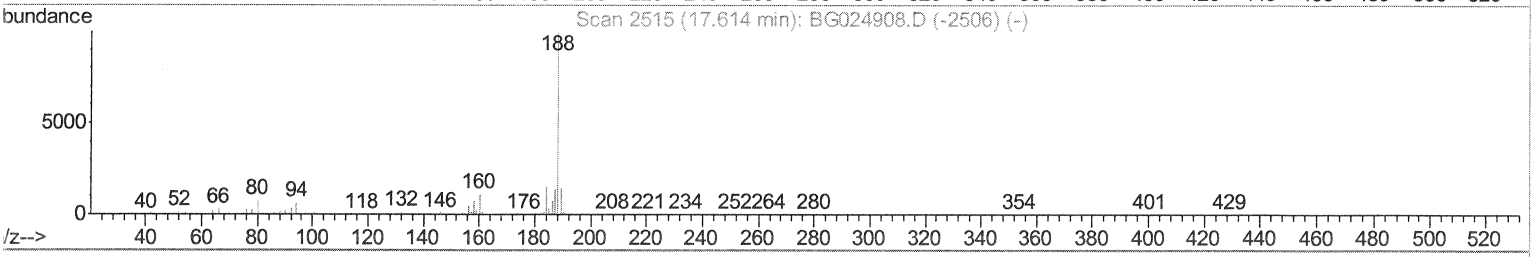

TIC: BG024916.D

(61) Phenanthrene-d10 (I)

17.710min (+0.096) 20.00ng/ul

response 784195

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	8.04
80.00	9.50	8.59
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024916.D
Acq On : 23 Nov 2016 21:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 01:13:04 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02033

Manual Integrations APPROVED
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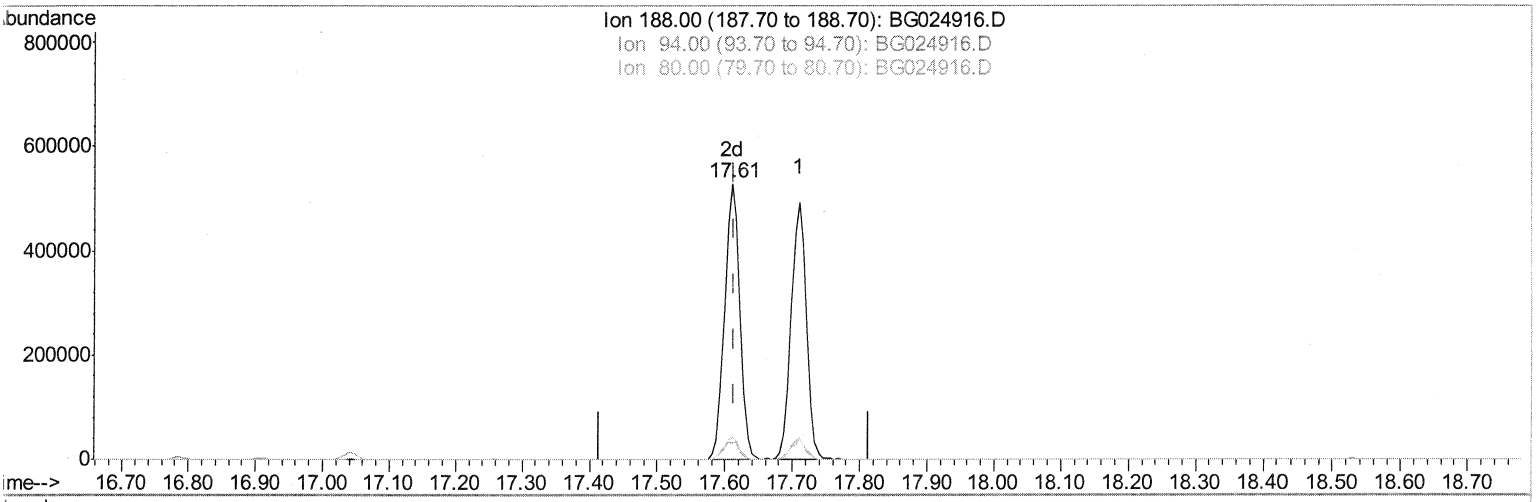

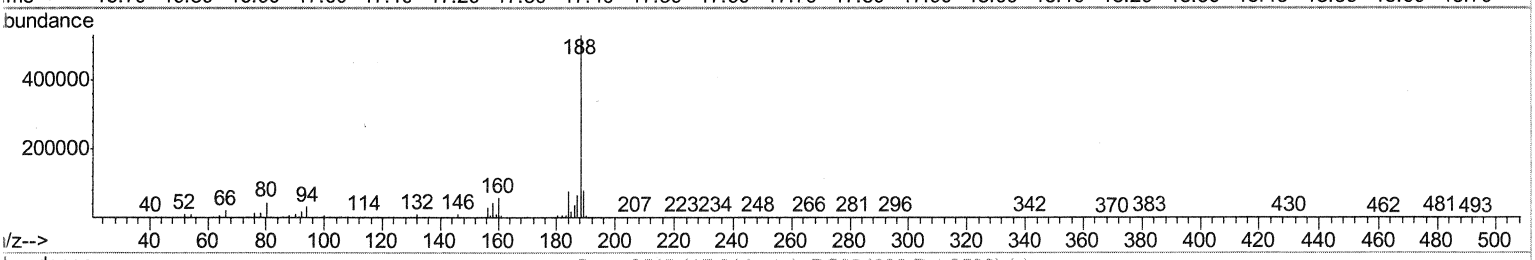

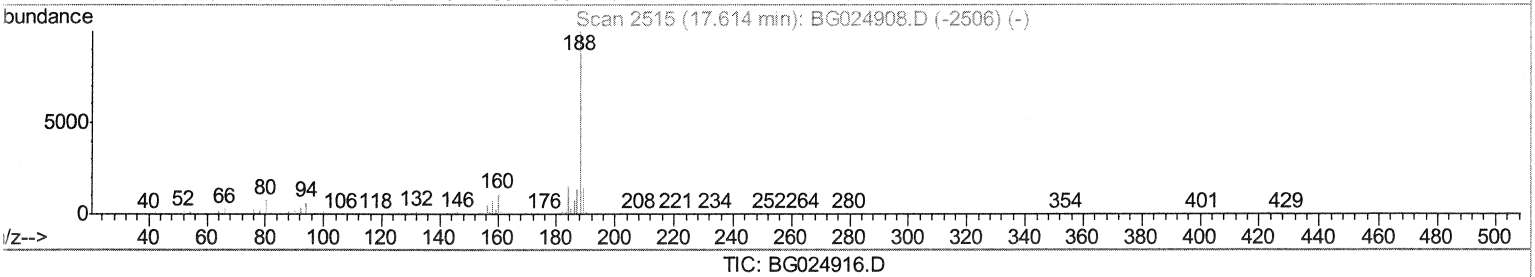

TIC: BG024916.D

(61) Phenanthrene-d10 (I)

17.610min (-0.003) 20.00ng/ul m UM

response 836262 11/28/16

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	6.15#
80.00	9.50	8.30
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024916.D
Acq On : 23 Nov 2016 21:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 01:29:25 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02033

Manual Integrations APPROVED
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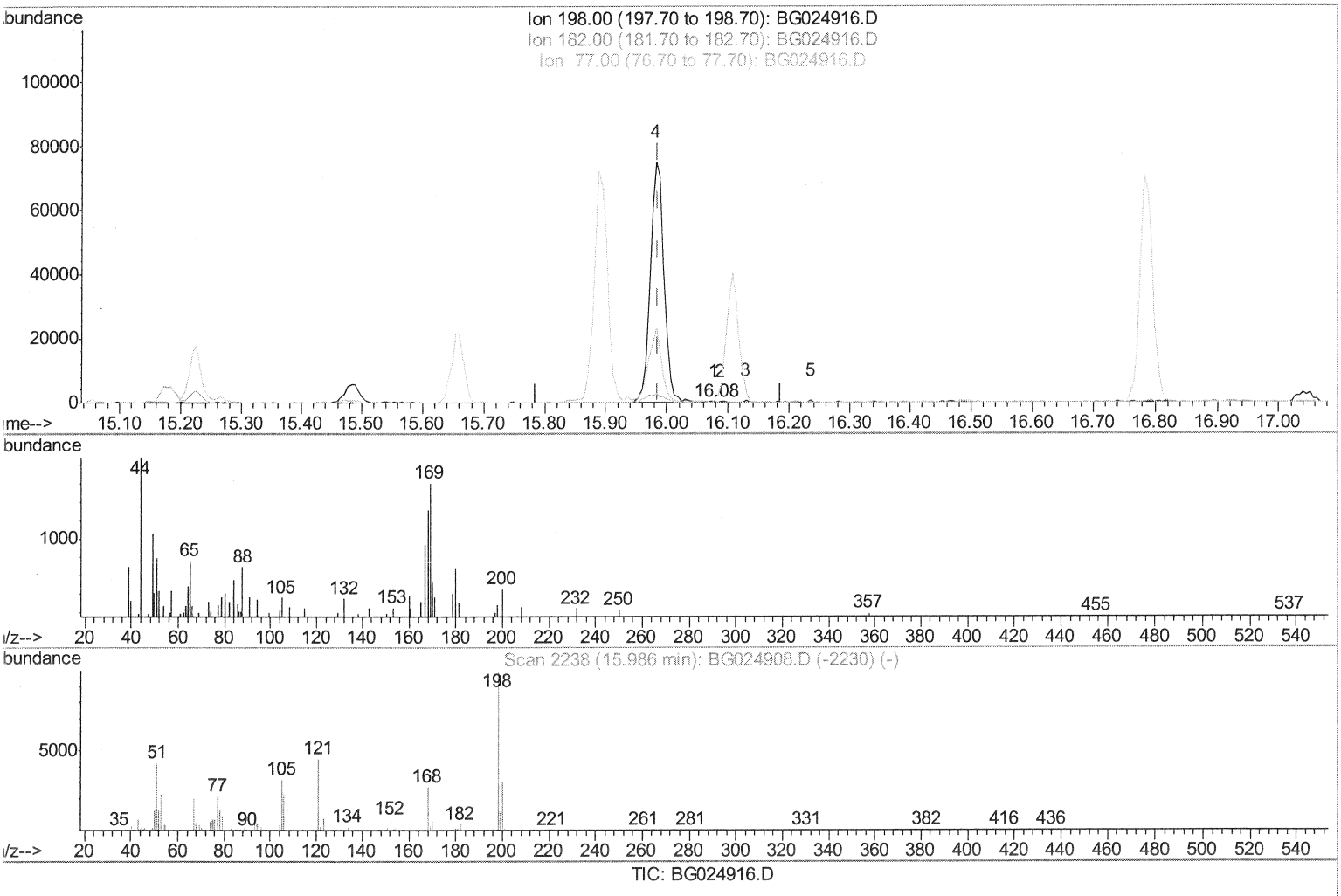

TIC: BG024916.D

(63) 4,6-Dinitro-2-methylphenol

16.077min (+0.091) 0.03ng/ul

response 185

Ion	Exp%	Act%
198.00	100	100
182.00	6.10	0.00#
77.00	28.00	99.65#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024916.D
Acq On : 23 Nov 2016 21:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 01:29:25 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02033

Manual Integrations APPROVED
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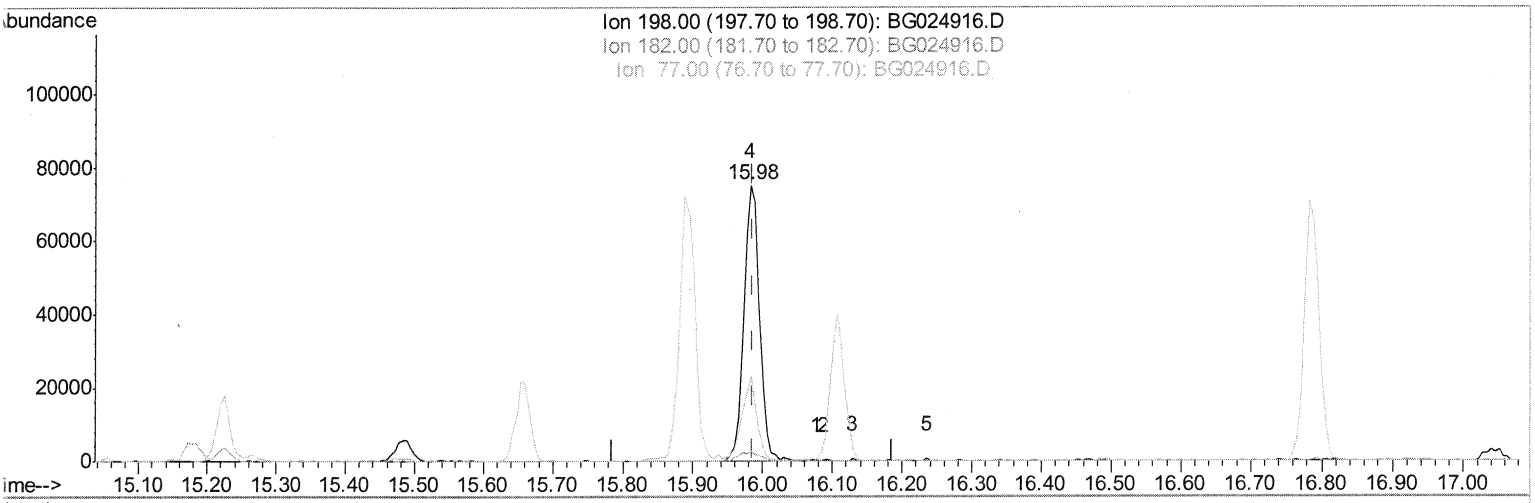
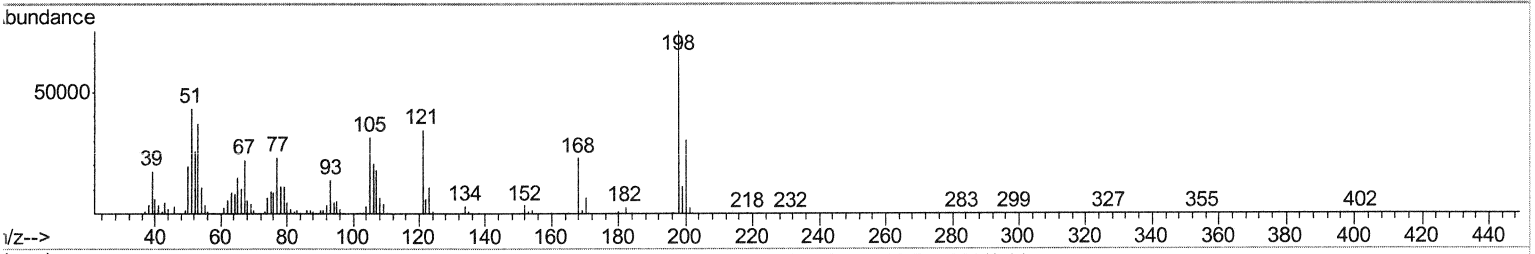
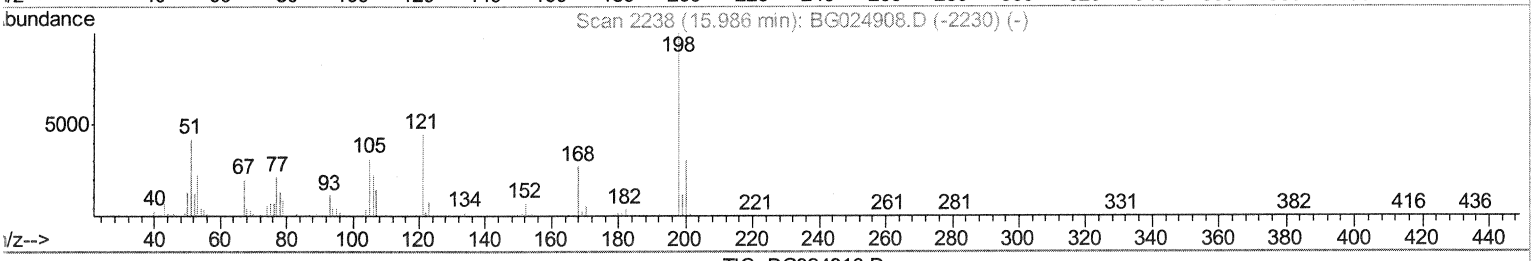
11/28/2016 4:47:59 PM







TIC: BG024916.D

(63) 4,6-Dinitro-2-methylphenol

15.983min (-0.003) 19.63ng/ul m UM

response 117713 11/28/16

Ion	Exp%	Act%
198.00	100	100
182.00	6.10	3.80#
77.00	28.00	30.99
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024916.D
Acq On : 23 Nov 2016 21:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 01:29:25 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02033

Manual Integrations APPROVED
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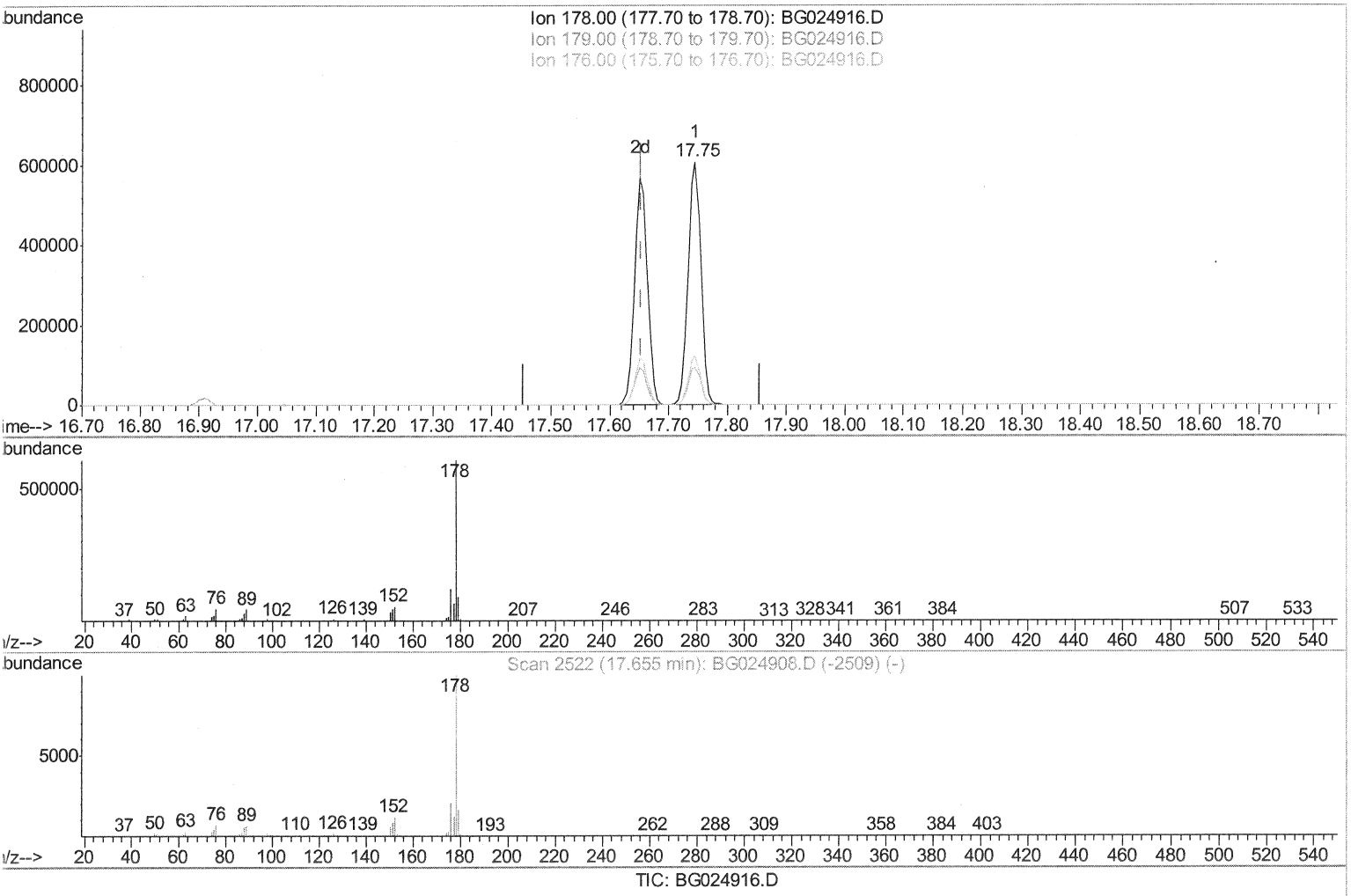
11/28/2016 4:47:59 PM



TIC: BG024916.D

(69) Phenanthrene

17.745min (+0.091) 21.30ng/ul

response 916384

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	15.42
176.00	20.60	19.86
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
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Acq On : 23 Nov 2016 21:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 01:29:25 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
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Manual Integrations APPROVED
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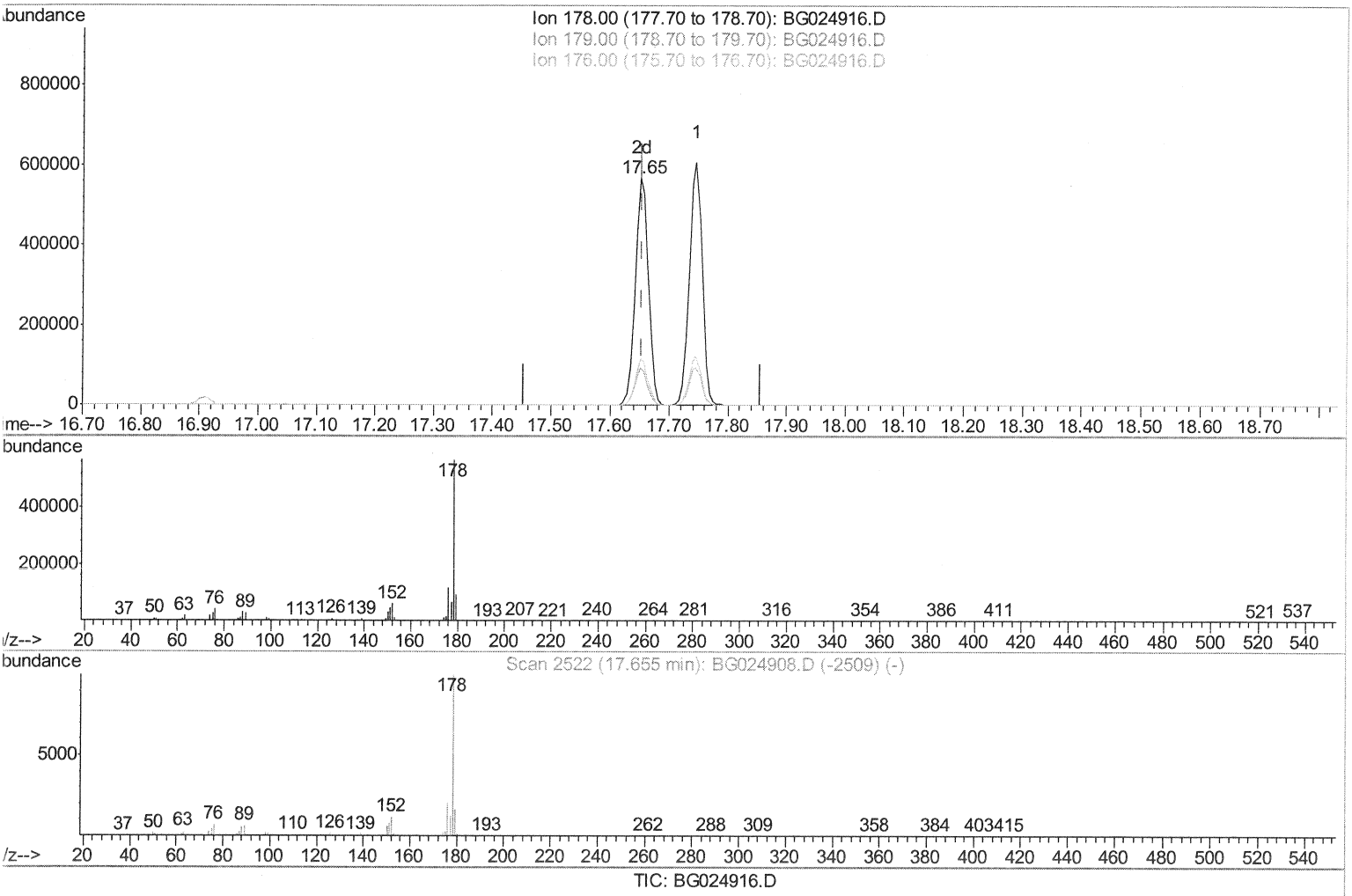

TIC: BG024916.D

(69) Phenanthrene

17.651min (-0.003) 20.47ng/ul m

response 880418

UM 11/28/16

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	16.50
176.00	20.60	20.47
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024916.D
Acq On : 23 Nov 2016 21:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 01:29:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

Instrument : BNA_G
LabSampleId : SSTD02033

Manual Integrations APPROVED
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11/28/2016 4:47:59 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	92043	20.00	ng/ul	0.00
18) Naphthalene-d8	11.08	136	407214	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	352145	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	836262m	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	1065732	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	1120327	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.61	96	15889	8.19	ng/uL	0.00
5) Phenol-d5	7.39	99	177238	20.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	107407	20.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	123467	20.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	151800	20.72	ng/ul	0.00
19) Nitrobenzene-d5	9.43	128	63835	19.89	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	77056	20.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	154415	20.40	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	185059	22.13	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	545454	21.07	ng/ul	0.00
46) Acenaphthylene-d8	14.57	160	597735	20.98	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	100827	22.14	ng/ul	0.00
57) Fluorene-d10	15.85	176	503142	21.02	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	116531	19.63	ng/ul	0.00
70) Anthracene-d10	17.71	188	784195	20.61	ng/ul	0.00
76) Pyrene-d10	19.98	212	970940	20.46	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	1044696	20.97	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.64	88	18437	8.02	ng/uL	93
4) Benzaldehyde	7.38	77	132139	24.20	ng/ul	97
6) Phenol	7.42	94	181383	20.68	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.65	93	127084	20.39	ng/ul	87
10) 2-Chlorophenol	7.80	128	120164	20.56	ng/ul	89
11) 2-Methylphenol	8.68	108	132767	20.49	ng/ul	95
12) 2,2'-oxybis(1-Chloropropan	8.77	45	222210	20.88	ng/ul	98
14) Acetophenone	9.08	105	218694	20.57	ng/ul	91
15) N-Nitroso-di-n-propylamine	9.05	70	128632	20.42	ng/ul	87
16) 4-Methylphenol	9.01	108	146300	20.56	ng/ul	99
17) Hexachloroethane	9.34	117	54793	20.58	ng/ul	98
20) Nitrobenzene	9.47	77	190957	20.35	ng/ul	97
21) Isophorone	9.98	82	360281	20.24	ng/ul	98
23) 2-Nitrophenol	10.18	139	81930	20.67	ng/ul#	83
24) 2,4-Dimethylphenol	10.22	107	181963	19.85	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.46	93	187547	19.99	ng/ul#	95
27) 2,4-Dichlorophenol	10.71	162	155273	20.98	ng/ul	97
28) Naphthalene	11.13	128	403058	20.27	ng/ul	98
30) 4-Chloroaniline	11.24	127	178420	21.79	ng/ul	95
31) Hexachlorobutadiene	11.39	225	120875	20.55	ng/ul#	86
32) Caprolactam	11.99	113	62682	22.04	ng/ul	90
33) 4-Chloro-3-methylphenol	12.33	107	191867	20.83	ng/ul	99
34) 2-Methylnaphthalene	12.71	142	332577	20.53	ng/ul	96

UM 11/28/16

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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 01:29:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:09:55 2016
Response via : Initial Calibration

Instrument : BNA_G
LabSampleId : SSTD02033

Manual Integrations APPROVED
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11/28/2016 4:47:59 PM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.07	216	226601	20.37 ng/ul	93
37) Hexachlorocyclopentadiene	13.04	237	133607	19.56 ng/ul	98
38) 2,4,6-Trichlorophenol	13.31	196	150015	21.03 ng/ul	90
39) 2,4,5-Trichlorophenol	13.38	196	167514	20.72 ng/ul	95
40) 1,1'-Biphenyl	13.70	154	464368	20.51 ng/ul	97
41) 2-Chloronaphthalene	13.76	162	362625	20.29 ng/ul	100
42) 2-Nitroaniline	13.96	65	151967	20.87 ng/ul	98
44) Dimethylphthalate	14.31	163	525209	20.72 ng/ul	96
45) 2,6-Dinitrotoluene	14.44	165	113000	20.44 ng/ul#	89
47) Acenaphthylene	14.60	152	557806	20.24 ng/ul	97
48) 3-Nitroaniline	14.77	138	109116	22.15 ng/ul#	89
49) Acenaphthene	14.93	153	390508	20.61 ng/ul	99
50) 2,4-Dinitrophenol	14.98	184	76698	20.23 ng/ul#	83
52) 4-Nitrophenol	15.07	109	115174	21.68 ng/ul	90
53) Dibenzofuran	15.27	168	603974	20.55 ng/ul	99
54) 2,4-Dinitrotoluene	15.22	165	173373	21.20 ng/ul#	84
55) 2,3,4,6-Tetrachlorophenol	15.48	232	167742	20.43 ng/ul	94
56) Diethylphthalate	15.66	149	550621	21.22 ng/ul	98
58) Fluorene	15.91	166	497236	20.62 ng/ul	97
59) 4-Chlorophenyl-phenylether	15.89	204	281363	21.05 ng/ul	91
60) 4-Nitroaniline	15.93	138	113986	21.11 ng/ul	96
63) 4,6-Dinitro-2-methylphenol	15.98	198	117713m	19.63 ng/ul	
64) N-Nitrosodiphenylamine	16.11	169	466892	20.00 ng/ul	95
65) 4-Bromophenyl-phenylether	16.79	248	207400	20.01 ng/ul	92
66) Hexachlorobenzene	16.91	284	234563	20.15 ng/ul	95
67) Atrazine	17.04	200	222380	21.07 ng/ul	96
68) Pentachlorophenol	17.25	266	140473	20.75 ng/ul	92
69) Phenanthrene	17.65	178	880418m	20.47 ng/ul	
71) Anthracene	17.75	178	916384	20.70 ng/ul	100
72) Carbazole	18.01	167	786457	21.49 ng/ul	97
73) Di-n-butylphthalate	18.54	149	955155	20.97 ng/ul	99
74) Fluoranthene	19.65	202	1141827	23.01 ng/ul	98
77) Pyrene	20.01	202	1117387	20.23 ng/ul	99
78) Butylbenzylphthalate	20.87	149	452797	20.89 ng/ul	95
79) 3,3'-Dichlorobenzidine	21.79	252	452926	22.56 ng/ul#	93
80) Benzo(a)anthracene	21.88	228	1231845	21.03 ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.74	149	633038	20.78 ng/ul	97
82) Chrysene	21.95	228	1159029	20.99 ng/ul	99
84) Di-n-octyl phthalate	23.01	149	1099287	21.90 ng/ul	100
85) Benzo(b)fluoranthene	24.23	252	1234903	20.67 ng/ul	99
86) Benzo(k)fluoranthene	24.30	252	1203262	21.04 ng/ul	100
88) Benzo(a)pyrene	25.16	252	1195192	20.58 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.24	276	1484211	20.84 ng/ul	97
90) Dibenzo(a,h)anthracene	29.31	278	1239038	20.85 ng/ul	94
91) Benzo(g,h,i)perylene	30.49	276	1226315	20.91 ng/ul#	96

UM 11/28/16

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