

Instrument :
BNA_G
LabSampleId :
SSTD02018

umangi
10/12/2016 4:12:24 PM

[illegible]

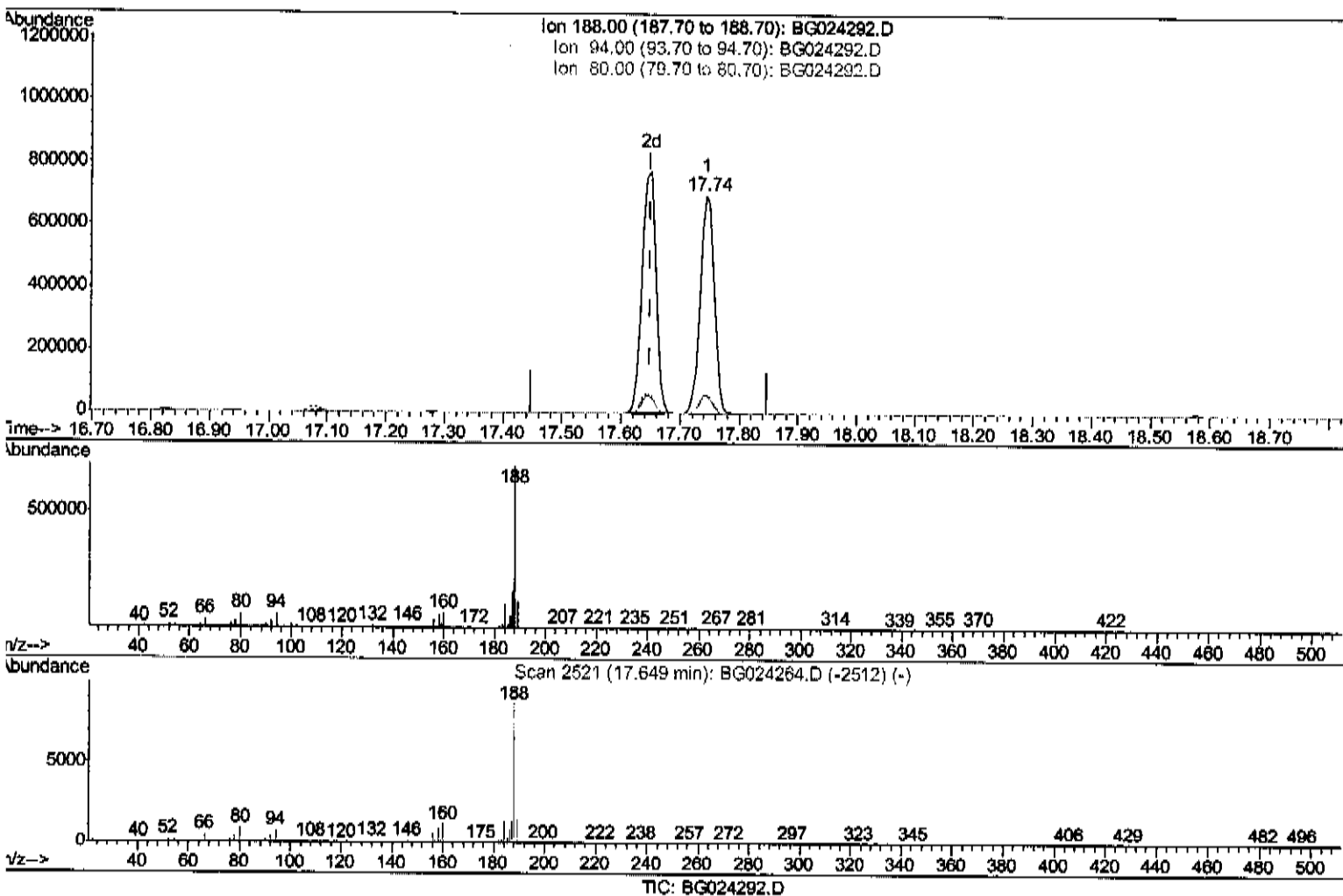
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101116\
Data File : BG024292.D
Acq On : 12 Oct 2016 9:04
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02018

Manual Integrations
APPROVED

umangi
10/12/2016 4:12:24 PM

Quant Time: Oct 12 11:40:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 12 08:16:18 2016
Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.743min (+0.094) 20.00ng/ul

response 1167430

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	8.89
80.00	9.50	8.41
0.00	0.00	0.00

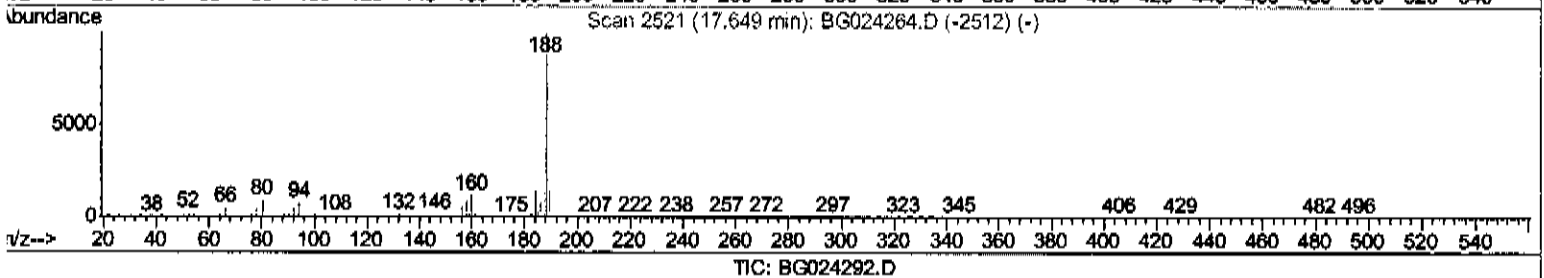
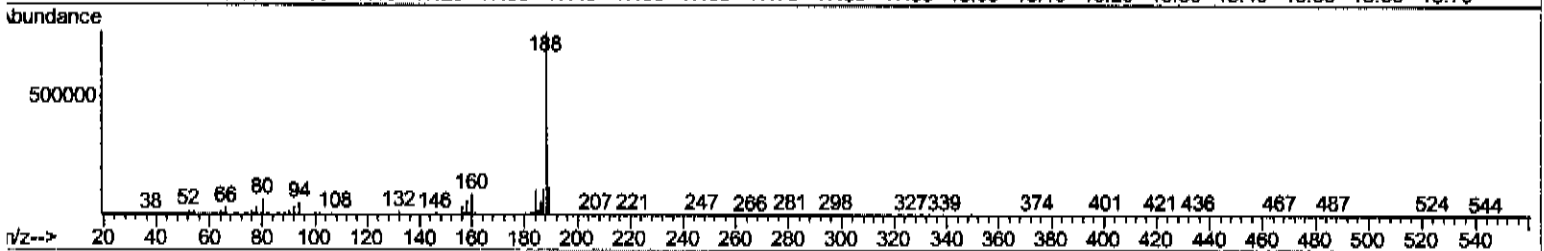
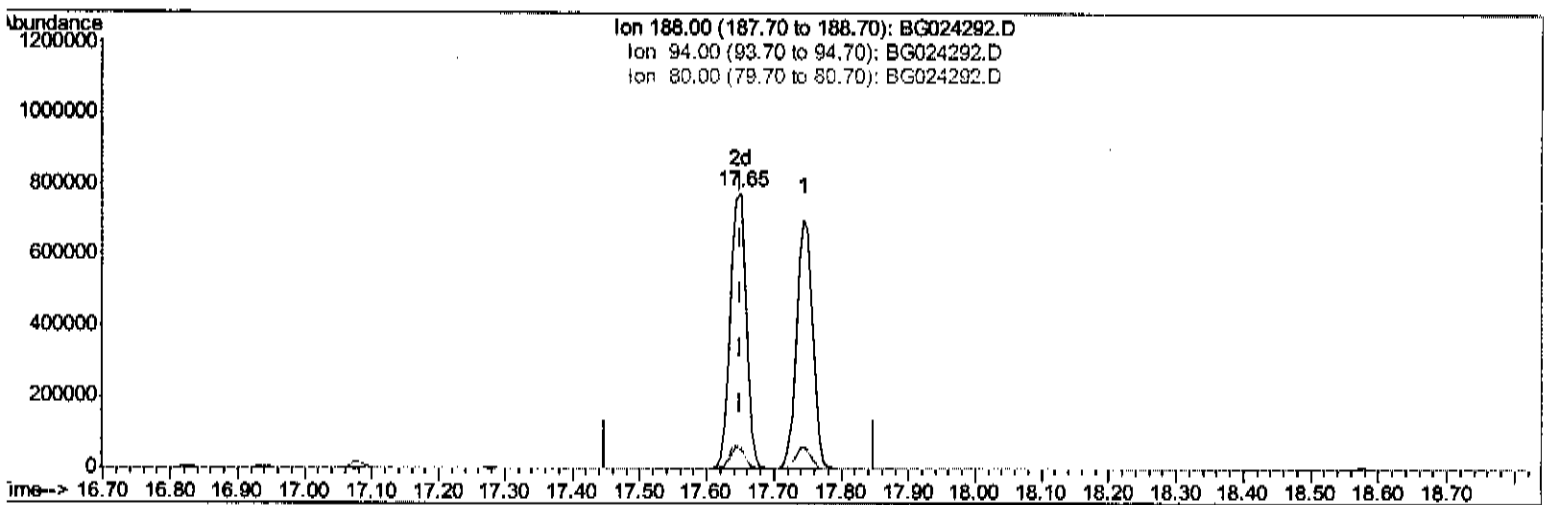
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101116\
Data File : BG024292.D
Acq On : 12 Oct 2016 9:04
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampled :
SSTD02018

Manual Integrations
APPROVED

umangi
10/12/2016 4:12:24 PM

Quant Time: Oct 12 11:40:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 12 08:16:18 2016
Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.649min (+0.000) 20.00ng/ul m

response 1263570

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	6.63#
80.00	9.50	8.28
0.00	0.00	0.00

um
10/12/16

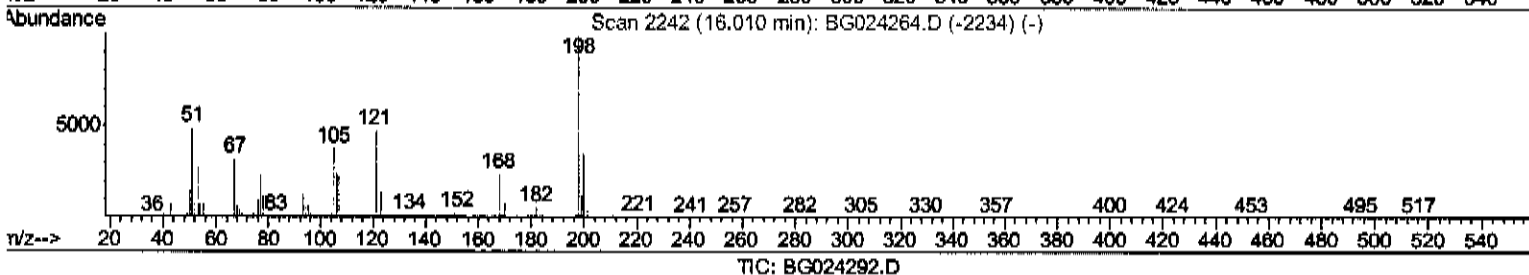
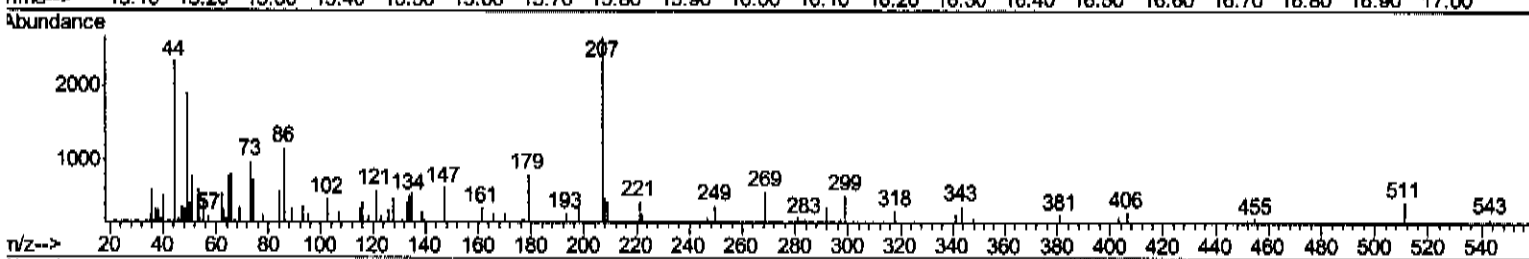
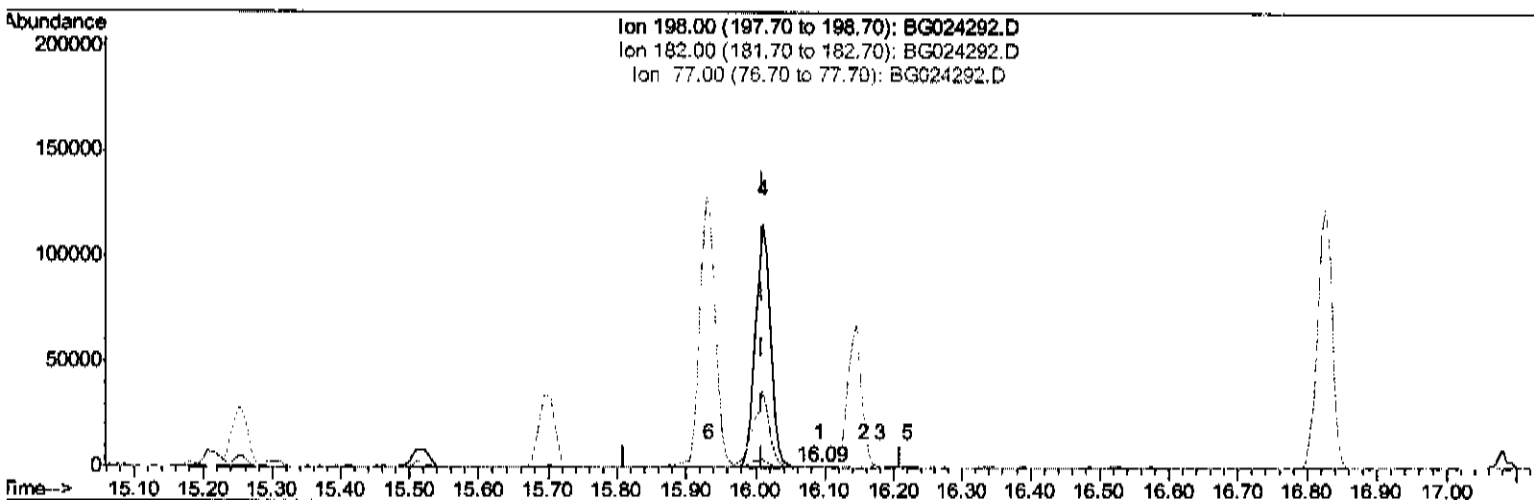
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101116\
Data File : BG024292.D
Acq On : 12 Oct 2016 9:04
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02018

Manual Integrations
APPROVED

umangi
10/12/2016 4:12:24 PM

Quant Time: Oct 12 11:42:53 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 12 08:16:18 2016
Response via : Initial Calibration



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

16.092min (+0.082) 0.05ng/ul

response 433

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

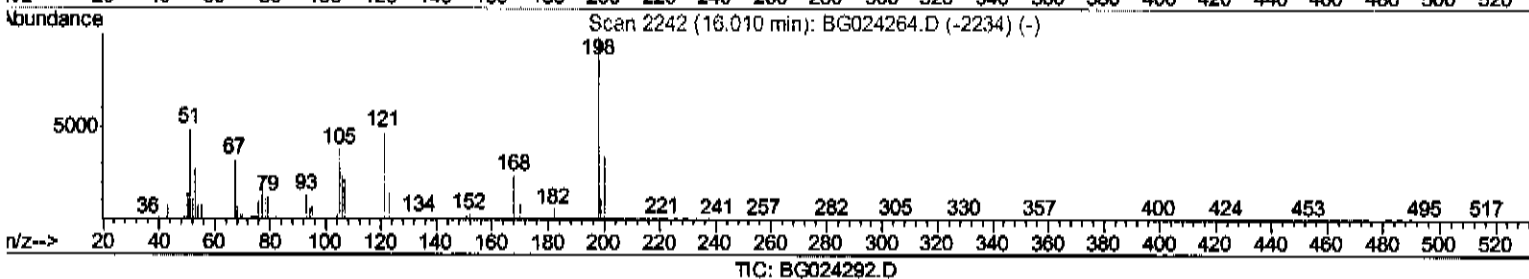
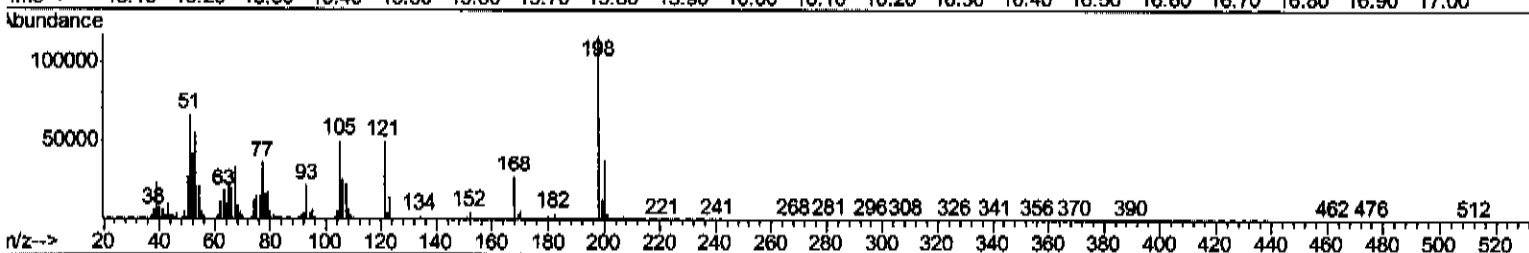
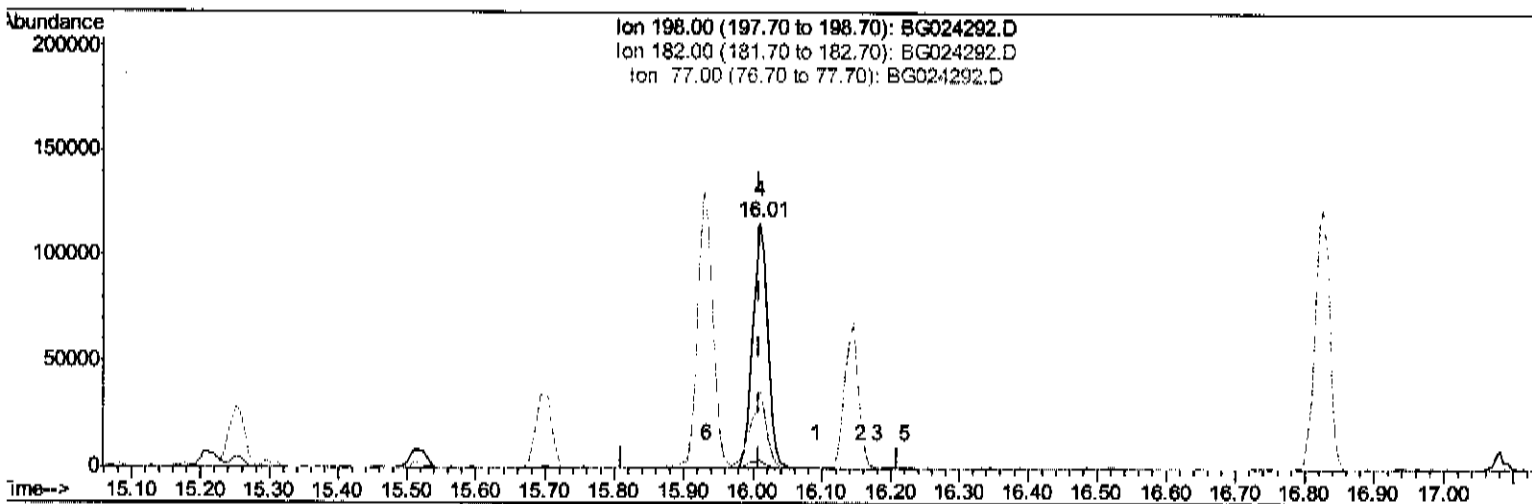
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101116\
Data File : BG024292.D
Acq On : 12 Oct 2016 9:04
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleID :
SSTD02018

Manual Integrations
APPROVED

umangi
10/12/2016 4:12:24 PM

Quant Time: Oct 12 11:42:53 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 12 08:16:18 2016
Response via : Initial Calibration



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

16.010min (+0.000) 22.01ng/ul m

response 175155

Ion	Exp%	Act%
198.00	100	100
182.00	6.10	3.58#
77.00	28.00	31.50
0.00	0.00	0.00

UM
10/12/16

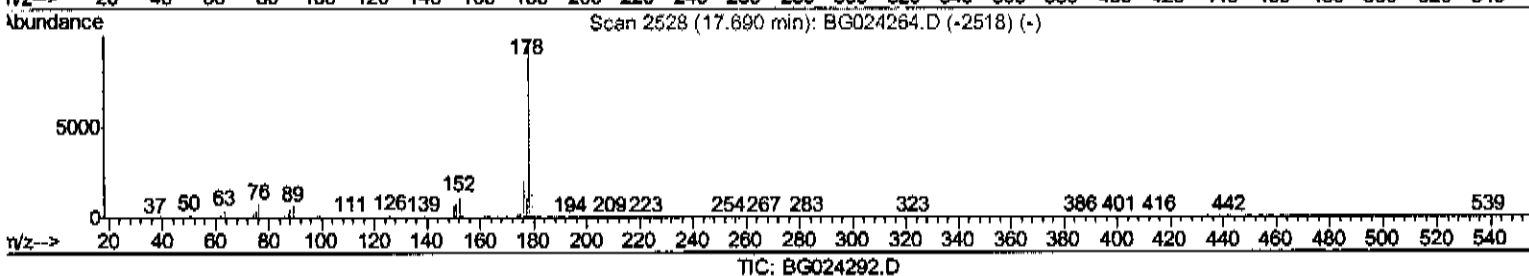
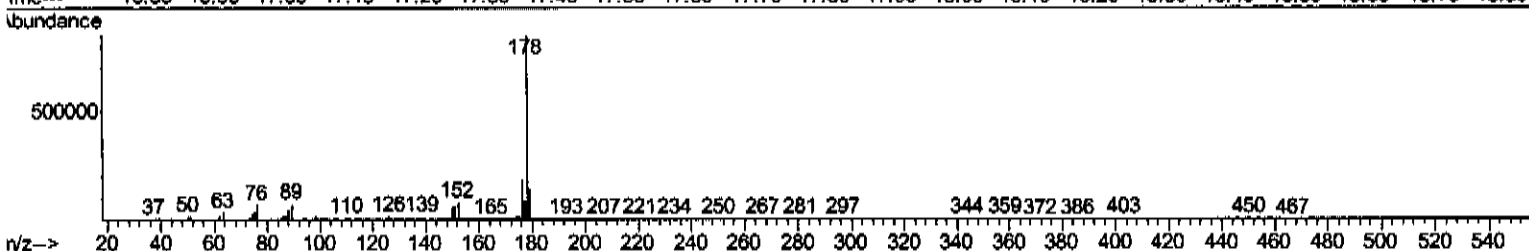
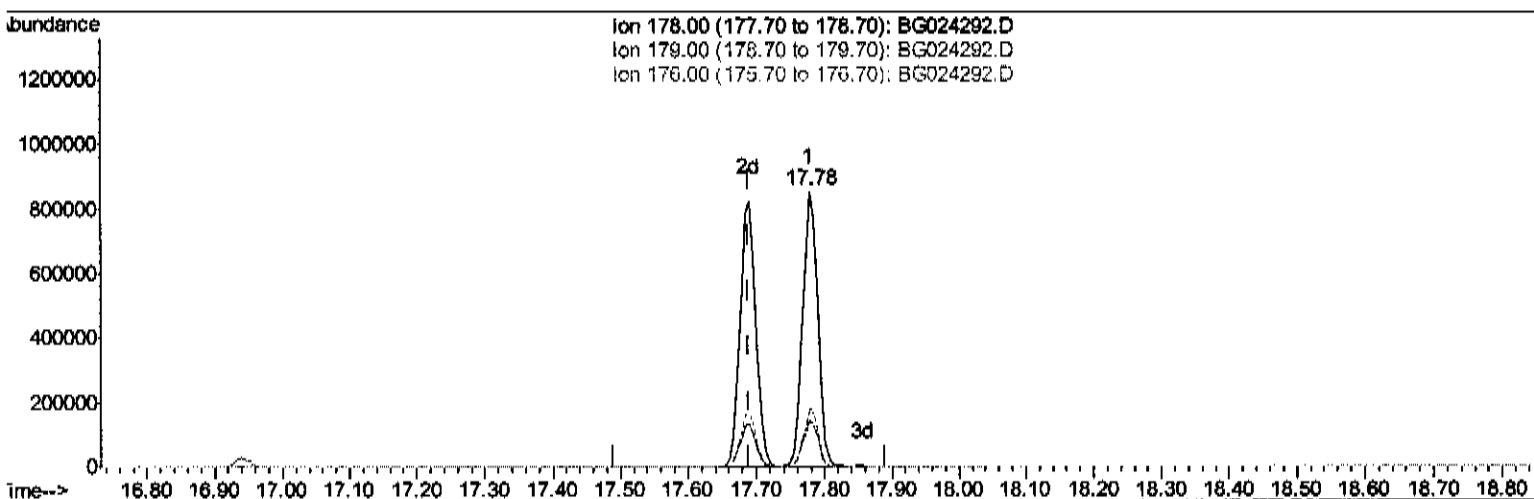
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101116\
Data File : BG024292.D
Acq On : 12 Oct 2016 9:04
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02018

Manual Integrations
APPROVED

umangi
10/12/2016 4:12:24 PM

Quant Time: Oct 12 11:42:53 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 12 08:16:18 2016
Response via : Initial Calibration



(69) Phenanthrene

17.779min (+0.088) 20.81ng/ui

response 1327793

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	17.37
176.00	20.60	21.57
0.00	0.00	0.00

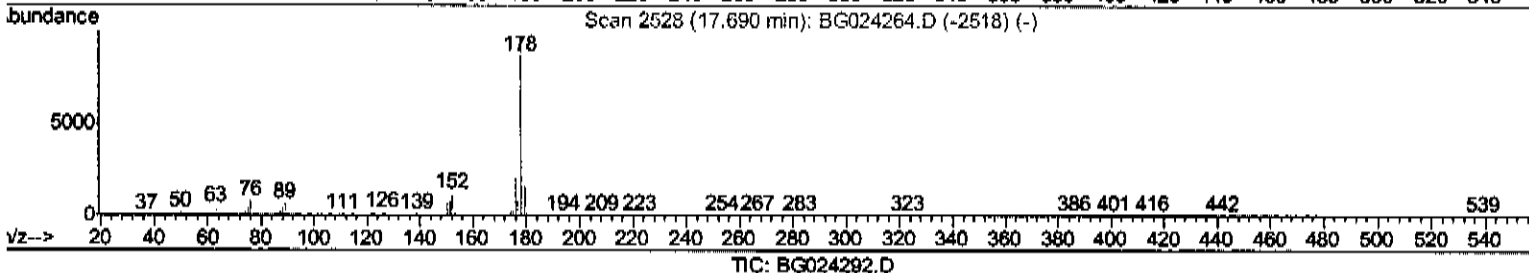
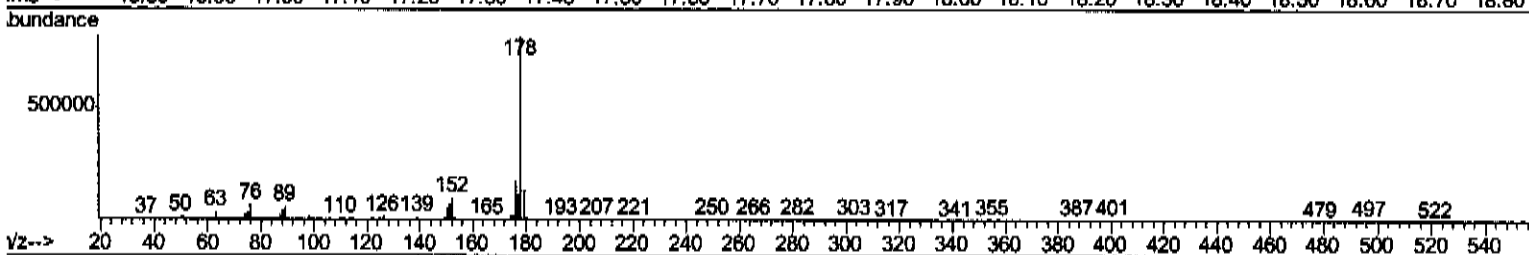
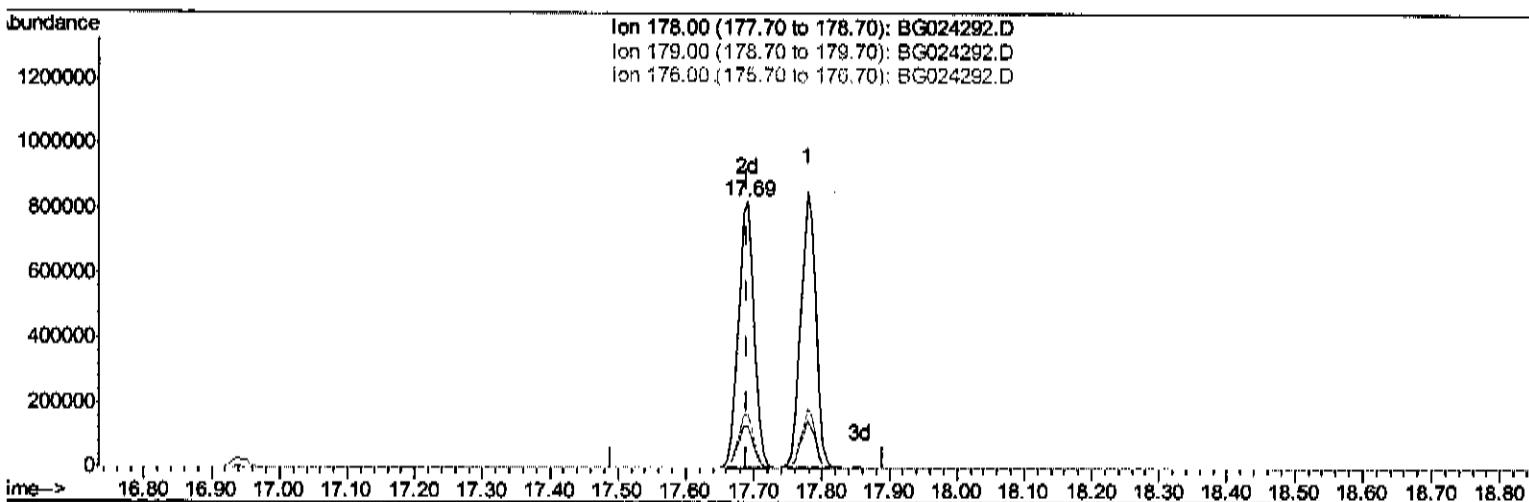
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101116\
Data File : BG024292.D
Acq On : 12 Oct 2016 9:04
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02018

Manual Integrations
APPROVED

umangi
10/12/2016 4:12:24 PM

Quant Time: Oct 12 11:42:53 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 12 08:16:18 2016
Response via : Initial Calibration



(69) Phenanthrene

17.690min (+0.000) 20.64ng/ul m

UM
10/12/16

response 1317003

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	16.24
176.00	20.60	20.36
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG101116\
 Data File : BG024292.D
 Acq On : 12 Oct 2016 9:04
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integrations
 APPROVED

umangi
 10/12/2016 4:12:24 PM

Quant Time: Oct 12 11:43:52 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 12 08:16:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	149673	20.00	ng/ul	0.00
18) Naphthalene-d8	11.12	136	691388	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.91	164	591929	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.65	188	1263570m	20.00	ng/ul	0.00
75) Chrysene-d12	21.94	240	1383680	20.00	ng/ul	0.00
83) Perylene-d12	25.39	264	1441481	20.00	ng/ul	0.00

um 10/12/16

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.65	96	26464	8.40	ng/uL	0.00
5) Phenol-d5	7.42	99	289678	20.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.60	67	190422	20.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.81	132	197113	20.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.98	113	242623	21.49	ng/ul	0.00
19) Nitrobenzene-d5	9.46	128	107676	21.95	ng/ul	0.00
22) 2-Nitrophenol-d4	10.19	143	129341	23.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.72	165	246404	20.61	ng/ul	0.00
29) 4-Chloroaniline-d4	11.25	131	294746	23.46	ng/ul	0.00
43) Dimethylphthalate-d6	14.30	166	834577	20.19	ng/ul	0.00
46) Acenaphthylene-d8	14.61	160	979349	20.69	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	145960	19.92	ng/ul	0.00
57) Fluorene-d10	15.89	176	817431	20.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.99	200	165994	21.86	ng/ul	0.00
70) Anthracene-d10	17.74	188	1166186	20.43	ng/ul	0.00
76) Pyrene-d10	20.01	212	1326138	20.53	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.15	264	1337221	20.62	ng/ul	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.68	88	31264	9.15 ng/uL	94
4) Benzaldehyde	7.42	77	219295	22.32 ng/ul	92
6) Phenol	7.44	94	294770	20.80 ng/ul#	94
8) Bis(2-Chloroethyl)ether	7.70	93	220727	21.15 ng/ul#	90
10) 2-Chlorophenol	7.84	128	205064	21.04 ng/ul	87
11) 2-Methylphenol	8.71	108	222405	21.19 ng/ul	89
12) 2,2'-oxybis(1-Chloropropan	8.81	45	418729	20.10 ng/ul	97
14) Acetophenone	9.12	105	362045	21.60 ng/ul	95
15) N-Nitroso-di-n-propylamine	9.09	70	207714	20.55 ng/ul	99
16) 4-Methylphenol	9.04	108	235584	21.16 ng/ul	92
17) Hexachloroethane	9.39	117	90975	20.18 ng/ul	96
20) Nitrobenzene	9.51	77	331123	21.32 ng/ul	95
21) Isophorone	10.03	82	591139	20.95 ng/ul	98
23) 2-Nitrophenol	10.22	139	127081	21.24 ng/ul	96
24) 2,4-Dimethylphenol	10.26	107	298929	20.28 ng/ul	93
25) Bis(2-Chloroethoxy)methane	10.50	93	316506	20.46 ng/ul	95
27) 2,4-Dichlorophenol	10.75	162	235941	20.59 ng/ul	93
28) Naphthalene	11.17	128	685019	20.57 ng/ul	96
30) 4-Chloroaniline	11.27	127	293866	23.05 ng/ul	89
31) Hexachlorobutadiene	11.44	225	190155	20.71 ng/ul	94
32) Caprolactam	12.04	113	91913	21.09 ng/ul	93
33) 4-Chloro-3-methylphenol	12.36	107	297036	21.18 ng/ul	95
34) 2-Methylnaphthalene	12.76	142	552014	20.86 ng/ul	97

Data Path : Z:\HPCHEM1\BNA_G\Data\BG101116\
 Data File : BG024292.D
 Acq On : 12 Oct 2016 9:04
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02018

Manual Integrations
 APPROVED

umangi
 10/12/2016 4:12:24 PM

Quant Time: Oct 12 11:43:52 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 12 08:16:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.11	216	361900	20.73	ng/ul	95
37) Hexachlorocyclopentadiene	13.08	237	244065	19.07	ng/ul	91
38) 2,4,6-Trichlorophenol	13.34	196	232848	20.57	ng/ul	91
39) 2,4,5-Trichlorophenol	13.41	196	259506	20.87	ng/ul	97
40) 1,1'-Biphenyl	13.74	154	795342	20.75	ng/ul	97
41) 2-Chloronaphthalene	13.79	162	605303	20.14	ng/ul	97
42) 2-Nitroaniline	13.99	65	255562	22.34	ng/ul	96
44) Dimethylphthalate	14.35	163	820396	20.24	ng/ul#	99
45) 2,6-Dinitrotoluene	14.47	165	173255	22.03	ng/ul#	93
47) Acenaphthylene	14.64	152	958746	21.04	ng/ul	98
48) 3-Nitroaniline	14.81	138	165759	22.31	ng/ul#	95
49) Acenaphthene	14.97	153	669677	20.56	ng/ul	98
50) 2,4-Dinitrophenol	15.00	184	121110	22.96	ng/ul	98
52) 4-Nitrophenol	15.08	109	181147	20.40	ng/ul	87
53) Dibenzofuran	15.30	168	984438	20.54	ng/ul	97
54) 2,4-Dinitrotoluene	15.25	165	254015	21.80	ng/ul#	97
55) 2,3,4,6-Tetrachlorophenol	15.52	232	263282	21.56	ng/ul	96
56) Diethylphthalate	15.70	149	860246	20.14	ng/ul	96
58) Fluorene	15.95	166	810642	20.46	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.93	204	443967	20.19	ng/ul	94
60) 4-Nitroaniline	15.96	138	174086	20.35	ng/ul	99
63) 4,6-Dinitro-2-methylphenol	16.01	198	175155m	22.01	ng/ul	
64) N-Nitrosodiphenylamine	16.15	169	745209	20.85	ng/ul	98
65) 4-Bromophenyl-phenylether	16.83	248	311098	21.26	ng/ul	95
66) Hexachlorobenzene	16.94	284	345598	21.16	ng/ul	93
67) Atrazine	17.08	200	313129	21.42	ng/ul	98
68) Pentachlorophenol	17.28	266	219003	22.07	ng/ul	95
69) Phenanthrene	17.69	178	1317003m	20.64	ng/ul	
71) Anthracene	17.78	178	1322136	20.36	ng/ul	96
72) Carbazole	18.04	167	1142991	22.43	ng/ul	97
73) Di-n-butylphthalate	18.58	149	1319380	21.17	ng/ul	98
74) Fluoranthene	19.68	202	1492544	23.16	ng/ul	98
77) Pyrene	20.04	202	1521492	20.59	ng/ul	98
78) Butylbenzylphthalate	20.91	149	605147	20.38	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.83	252	575480	22.33	ng/ul#	97
80) Benzo(a)anthracene	21.92	228	1619895	21.10	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.80	149	851011	20.26	ng/ul	99
82) Chrysene	22.00	228	1504447	20.58	ng/ul	99
84) Di-n-octyl phthalate	23.08	149	1491917	22.06	ng/ul	100
85) Benzo(b)fluoranthene	24.28	252	1640278	20.49	ng/ul	99
86) Benzo(k)fluoranthene	24.36	252	1527576	19.82	ng/ul	99
88) Benzo(a)pyrene	25.23	252	1547420	20.30	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.35	276	1924116	21.31	ng/ul	99
90) Dibenzo(a,h)anthracene	29.42	278	1622615	21.25	ng/ul	94
91) Benzo(g,h,i)perylene	30.60	276	1585635	20.89	ng/ul	95

LM
 10/12/16

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