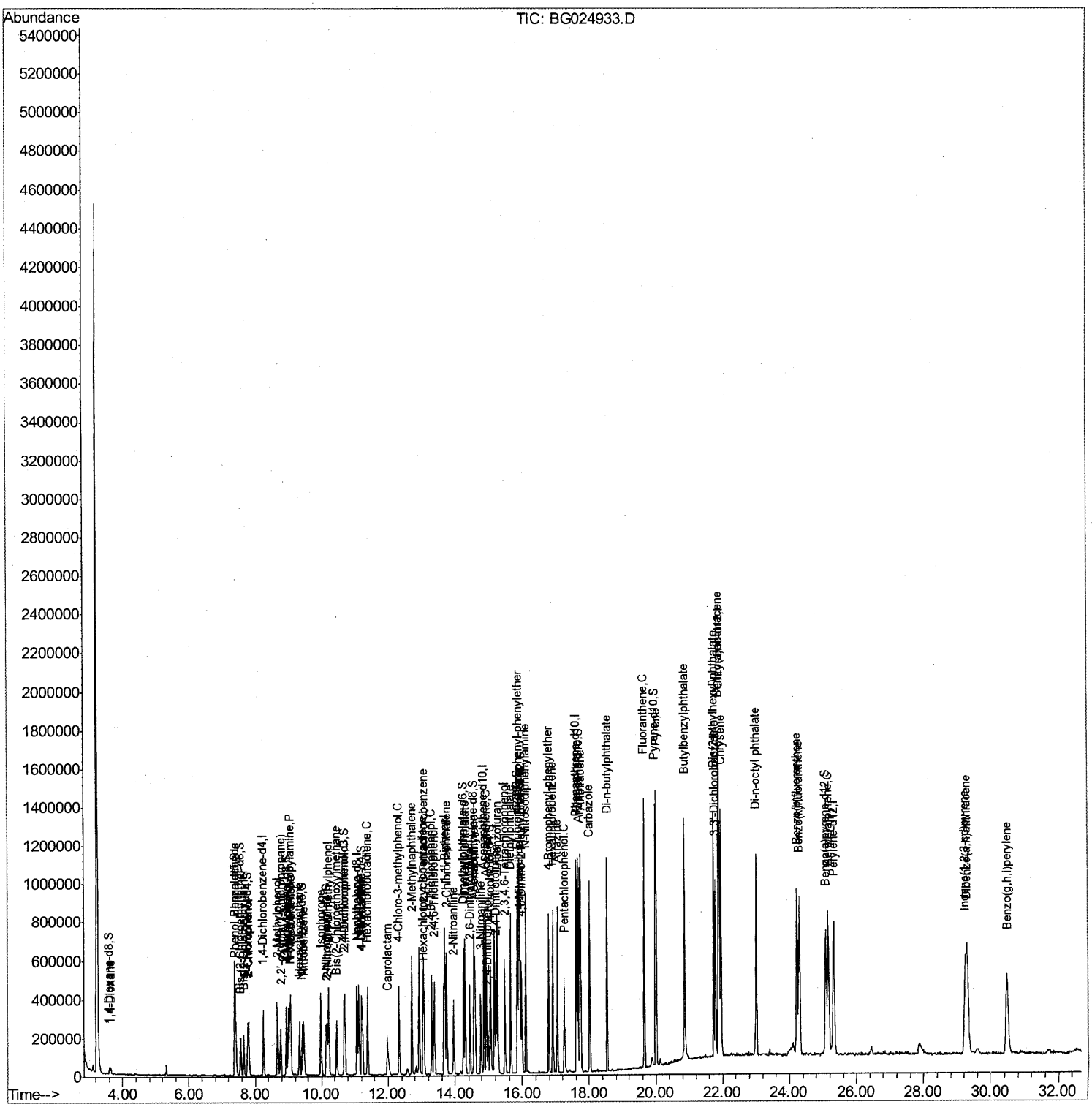
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG112816\
Data File : BG024933.D
Acq On : 28 Nov 2016 10:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 28 17:43:40 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 25 02:47:32 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations APPROVED
UMANGI
11/29/2016 2:23:09 PM



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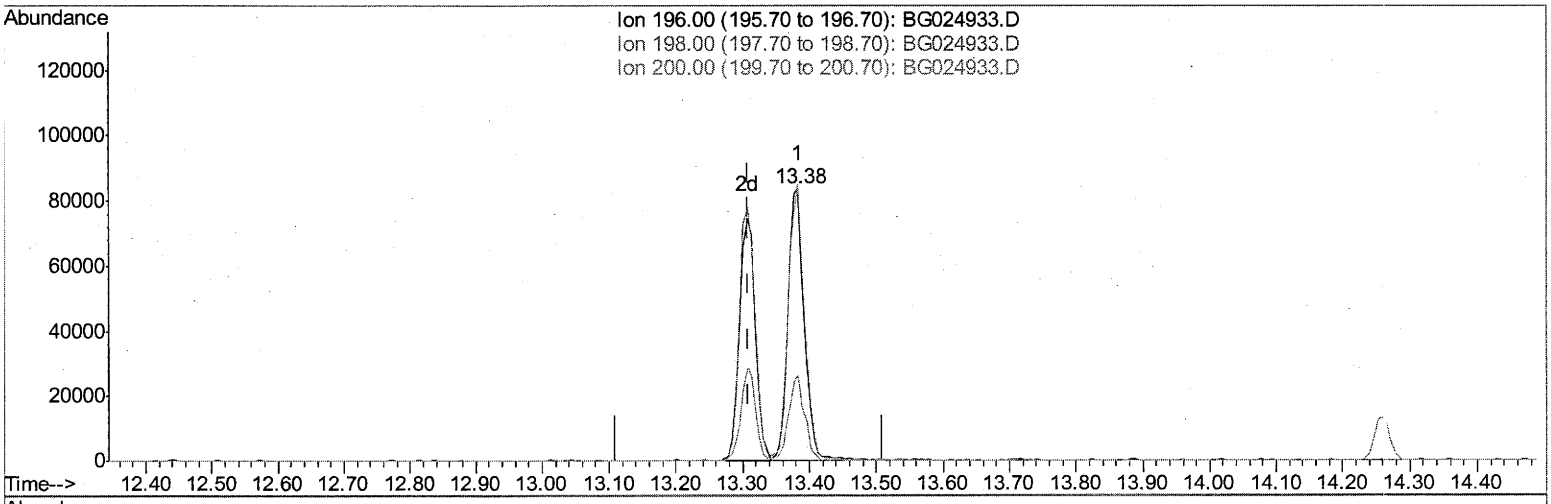

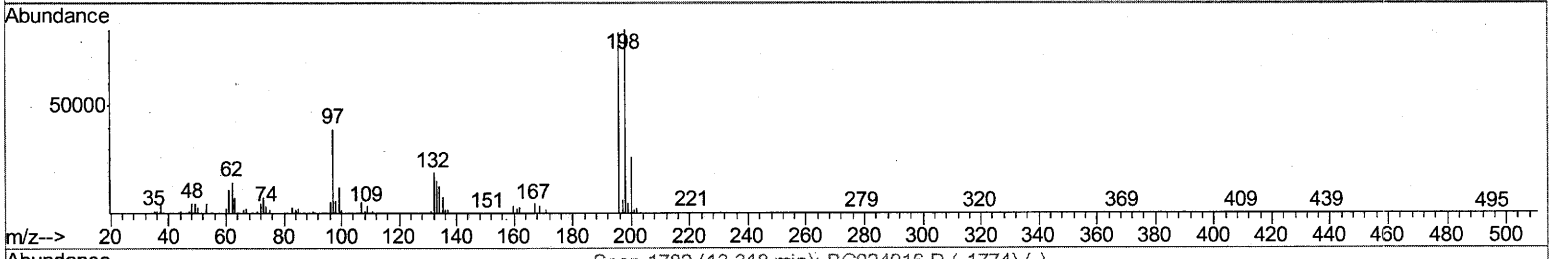

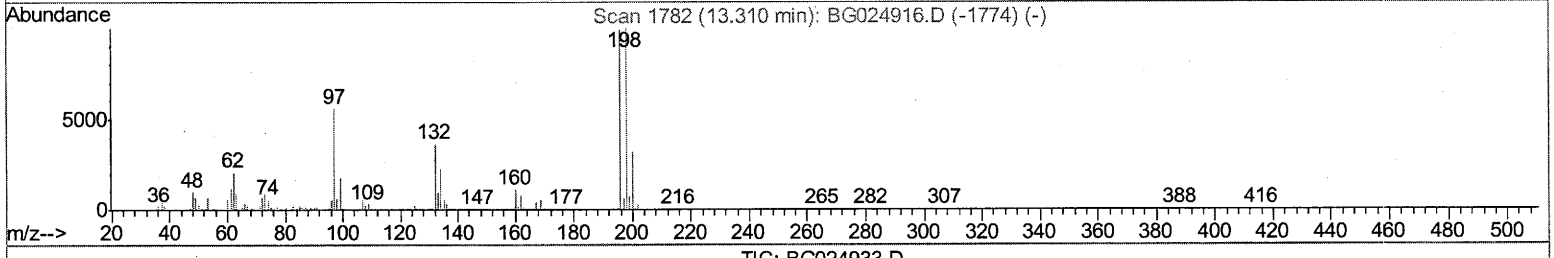

TIC: BG024933.D

(38) 2,4,6-Trichlorophenol (C)

13.384min (+0.074) 22.83ng/ul

response 143452

Ion	Exp%	Act%
196.00	100	100
198.00	89.30	101.58
200.00	30.80	31.34
0.00	0.00	0.00

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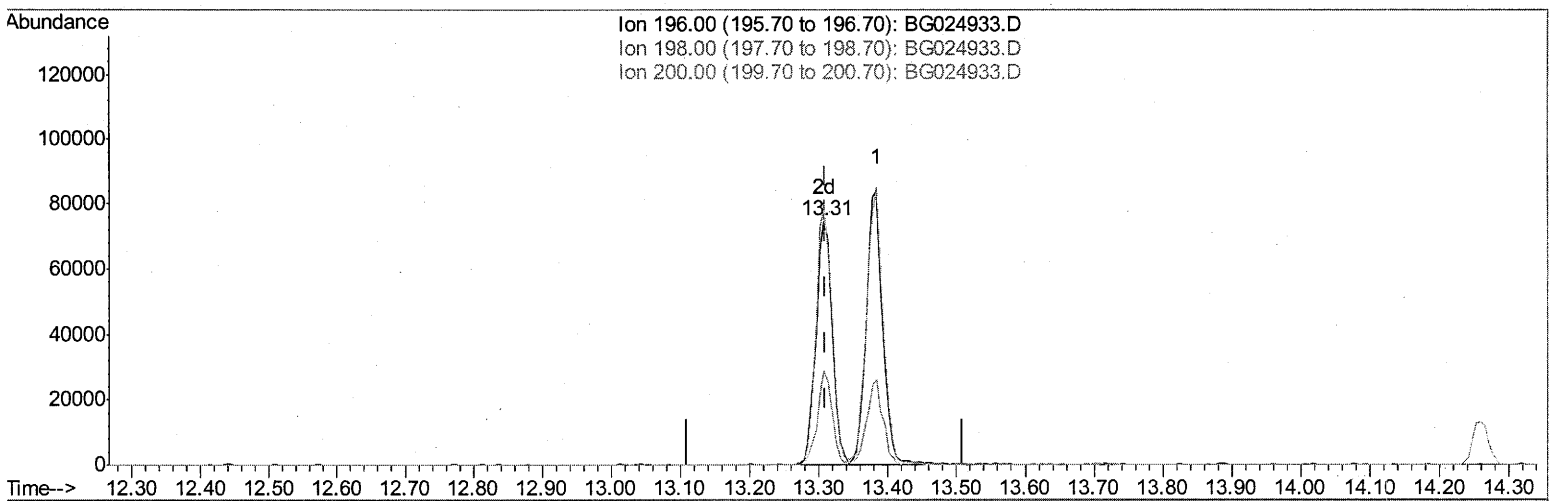

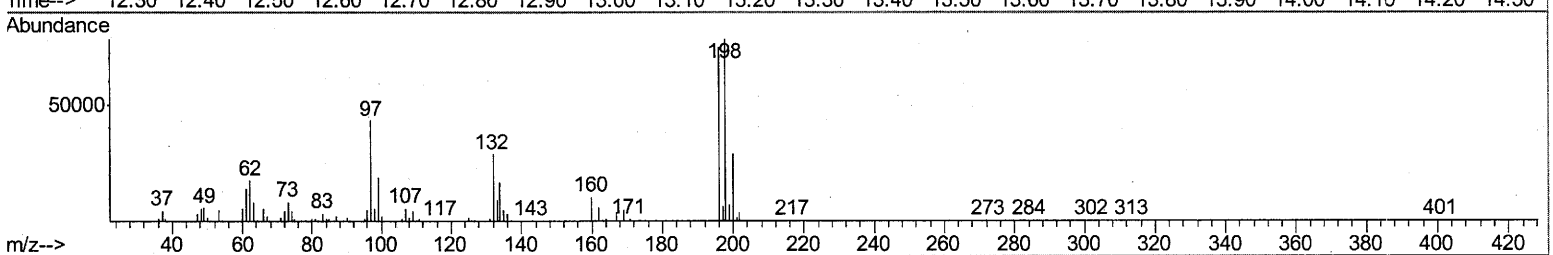

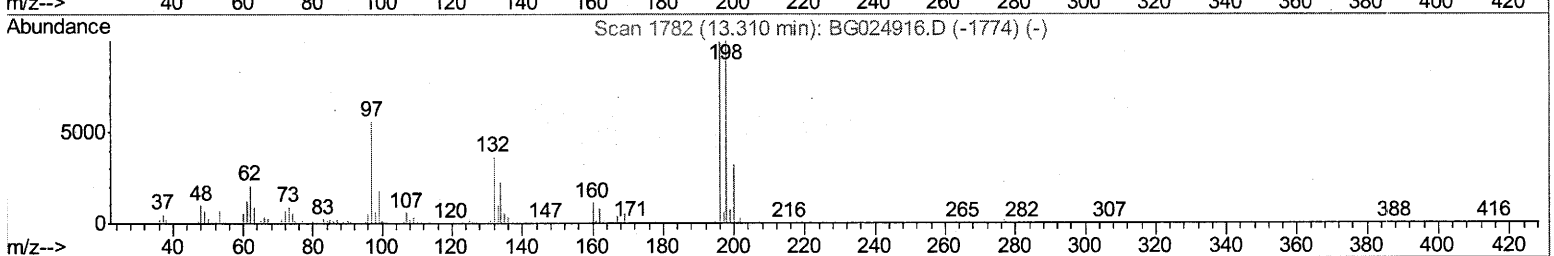

TIC: BG024933.D

(38) 2,4,6-Trichlorophenol (C)

13.307min (-0.002) 19.52ng/ul m UM

response 122635 11/28/16

Ion	Exp%	Act%
196.00	100	100
198.00	89.30	104.43
200.00	30.80	38.54#
0.00	0.00	0.00

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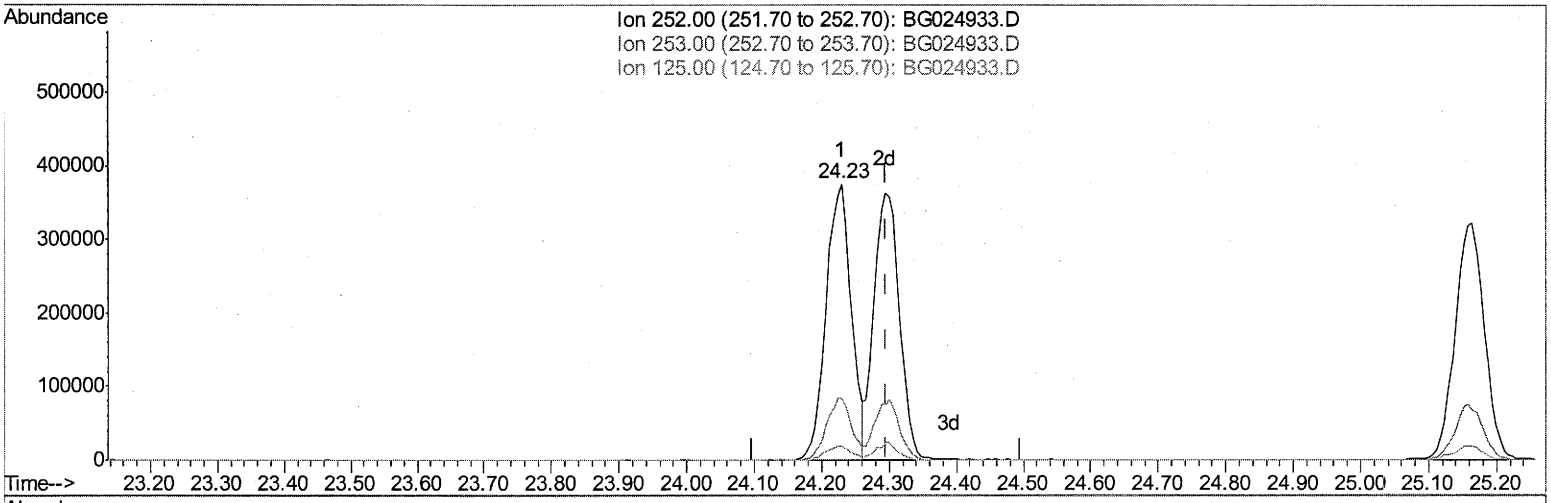

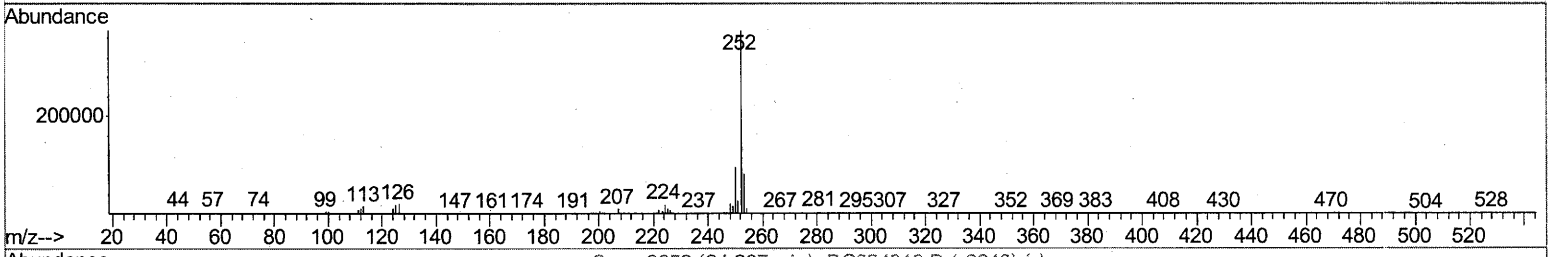

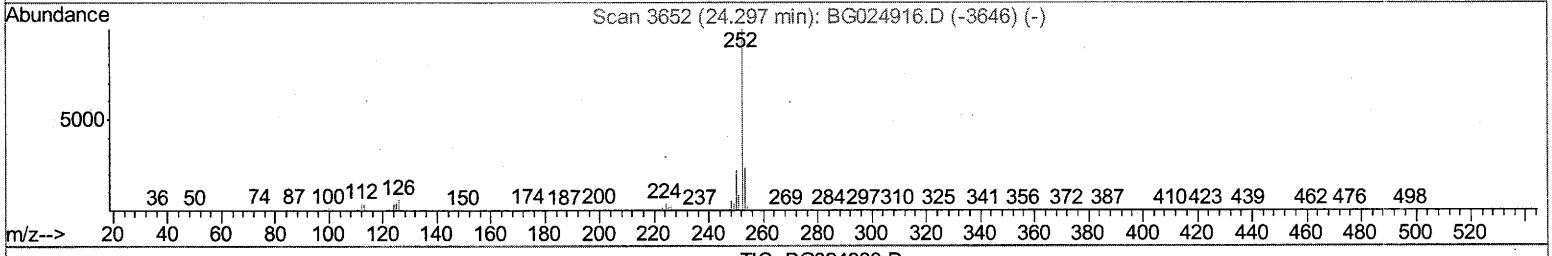

TIC: BG024933.D

(86) Benzo(k)fluoranthene

24.230min (-0.067) 20.79ng/ul

response 974745

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	21.89
125.00	5.10	5.17
0.00	0.00	0.00

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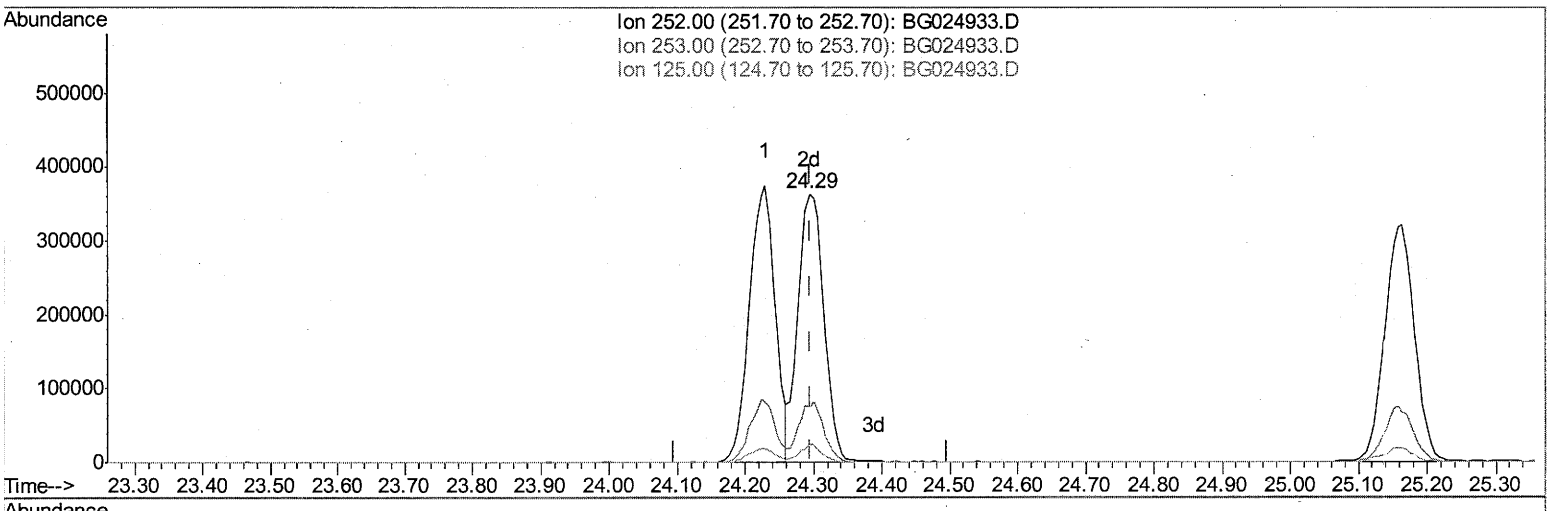

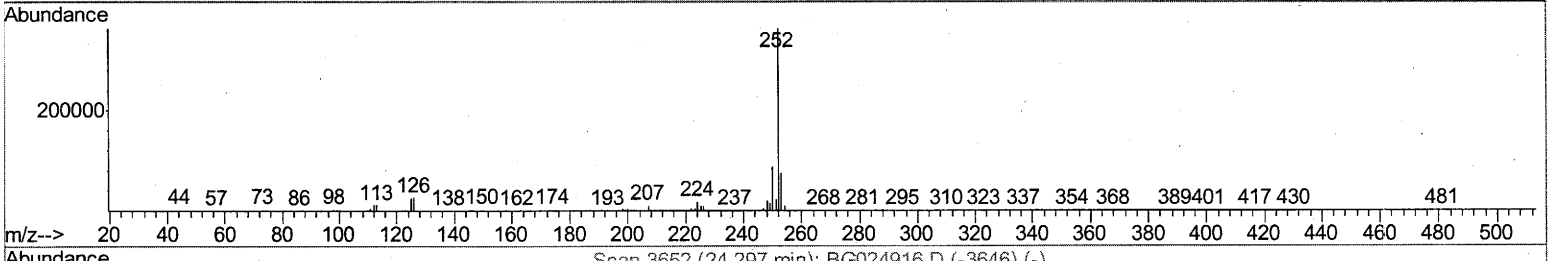

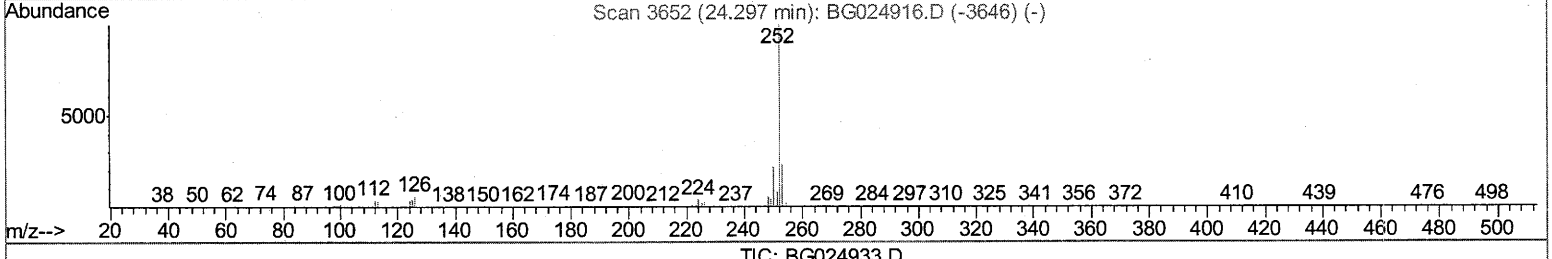

TIC: BG024933.D

(86) Benzo(k)fluoranthene

24.294min (-0.002) 20.41ng/ul m UM 11/28/16

response 956585

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	20.53
125.00	5.10	6.57#
0.00	0.00	0.00

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Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	84588	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	376844	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	310153	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	699003	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	906069	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	918291	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.61	96	14793	8.30	ng/uL	0.00
5) Phenol-d5	7.39	99	167603	21.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.57	67	102078	21.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	116034	21.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	134622	20.00	ng/ul	0.00
19) Nitrobenzene-d5	9.43	128	58768	19.79	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	70107	20.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	141675	20.23	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	163567	21.13	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	434323	19.05	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	501640	19.99	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	77016	19.20	ng/ul	0.00
57) Fluorene-d10	15.86	176	418744	19.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	85615	17.25	ng/ul	0.00
70) Anthracene-d10	17.71	188	634392	19.95	ng/ul	0.00
76) Pyrene-d10	19.98	212	793199	19.66	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	829254	20.31	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.65	88	19146	9.06	ng/uL	97
4) Benzaldehyde	7.38	77	122990	24.51	ng/ul	97
6) Phenol	7.41	94	172107	21.35	ng/ul	93
8) Bis(2-Chloroethyl)ether	7.66	93	117351	20.49	ng/ul	97
10) 2-Chlorophenol	7.81	128	111687	20.80	ng/ul	94
11) 2-Methylphenol	8.68	108	117719	19.77	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.78	45	205544	21.01	ng/ul	97
14) Acetophenone	9.08	105	202156	20.69	ng/ul#	89
15) N-Nitroso-di-n-propylamine	9.05	70	117078	20.23	ng/ul#	92
16) 4-Methylphenol	9.01	108	133021	20.35	ng/ul	93
17) Hexachloroethane	9.34	117	48424	19.79	ng/ul#	83
20) Nitrobenzene	9.47	77	178652	20.57	ng/ul	95
21) Isophorone	9.98	82	318475	19.33	ng/ul	96
23) 2-Nitrophenol	10.18	139	71640	19.53	ng/ul#	85
24) 2,4-Dimethylphenol	10.22	107	162638	19.17	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.46	93	168807	19.44	ng/ul	99
27) 2,4-Dichlorophenol	10.72	162	134653	19.66	ng/ul	96
28) Naphthalene	11.13	128	375827	20.42	ng/ul	98
30) 4-Chloroaniline	11.23	127	160033	21.12	ng/ul#	87
31) Hexachlorobutadiene	11.39	225	115300	21.18	ng/ul	89
32) Caprolactam	11.99	113	48990	18.62	ng/ul	82
33) 4-Chloro-3-methylphenol	12.33	107	162351	19.05	ng/ul	98
34) 2-Methylnaphthalene	12.71	142	294057	19.61	ng/ul	91

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11/29/2016 2:23:09 PM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)	
36) 1,2,4,5-Tetrachlorobenzene	13.07	216	204911	20.91 ng/ul	98	
37) Hexachlorocyclopentadiene	13.04	237	102545	17.04 ng/ul	97	
38) 2,4,6-Trichlorophenol	13.31	196	122635m	19.52 ng/ul		UM 11/28/16
39) 2,4,5-Trichlorophenol	13.38	196	143551	20.16 ng/ul	96	
40) 1,1'-Biphenyl	13.71	154	406366	20.38 ng/ul	98	
41) 2-Chloronaphthalene	13.75	162	311731	19.80 ng/ul	97	
42) 2-Nitroaniline	13.96	65	125789	19.61 ng/ul	95	
44) Dimethylphthalate	14.31	163	415784	18.62 ng/ul#	97	
45) 2,6-Dinitrotoluene	14.44	165	88819	18.24 ng/ul#	96	
47) Acenaphthylene	14.59	152	489595	20.17 ng/ul#	95	
48) 3-Nitroaniline	14.78	138	86837	20.01 ng/ul	89	
49) Acenaphthene	14.93	153	335189	20.09 ng/ul	97	
50) 2,4-Dinitrophenol	14.98	184	54872	16.43 ng/ul#	86	
52) 4-Nitrophenol	15.06	109	93411	19.96 ng/ul	91	
53) Dibenzofuran	15.26	168	520743	20.11 ng/ul	100	
54) 2,4-Dinitrotoluene	15.22	165	142220	19.75 ng/ul#	88	
55) 2,3,4,6-Tetrachlorophenol	15.49	232	139485	19.29 ng/ul#	96	
56) Diethylphthalate	15.66	149	436651	19.10 ng/ul	96	
58) Fluorene	15.91	166	419277	19.74 ng/ul	95	
59) 4-Chlorophenyl-phenylether	15.89	204	233194	19.81 ng/ul	86	
60) 4-Nitroaniline	15.93	138	95058	19.99 ng/ul	80	
63) 4,6-Dinitro-2-methylphenol	15.98	198	88800	17.71 ng/ul#	96	
64) N-Nitrosodiphenylamine	16.11	169	378967	19.42 ng/ul	92	
65) 4-Bromophenyl-phenylether	16.79	248	169317	19.54 ng/ul	97	
66) Hexachlorobenzene	16.91	284	196292	20.17 ng/ul	96	
67) Atrazine	17.04	200	171110	19.39 ng/ul	96	
68) Pentachlorophenol	17.25	266	104311	18.44 ng/ul#	86	
69) Phenanthrene	17.65	178	724701	20.16 ng/ul	98	
71) Anthracene	17.74	178	726821	19.64 ng/ul	99	
72) Carbazole	18.01	167	641877	20.99 ng/ul	98	
73) Di-n-butylphthalate	18.54	149	757760	19.90 ng/ul	99	
74) Fluoranthene	19.65	202	909597	21.93 ng/ul	97	
77) Pyrene	20.01	202	917481	19.54 ng/ul	98	
78) Butylbenzylphthalate	20.86	149	368384	19.99 ng/ul	96	
79) 3,3'-Dichlorobenzidine	21.79	252	365599	21.42 ng/ul	96	
80) Benzo(a)anthracene	21.88	228	983348	19.75 ng/ul	98	
81) Bis(2-ethylhexyl)phthalate	21.74	149	507742	19.61 ng/ul#	98	
82) Chrysene	21.96	228	929024	19.79 ng/ul	99	
84) Di-n-octyl phthalate	23.01	149	865672	21.04 ng/ul	100	
85) Benzo(b)fluoranthene	24.23	252	973786	19.88 ng/ul	100	
86) Benzo(k)fluoranthene	24.29	252	956585m	20.41 ng/ul		UM 11/28/16
88) Benzo(a)pyrene	25.16	252	963570	20.24 ng/ul	97	
89) Indeno(1,2,3-cd)pyrene	29.25	276	1178288	20.18 ng/ul	98	
90) Dibenzo(a,h)anthracene	29.31	278	984393	20.21 ng/ul	96	
91) Benzo(g,h,i)perylene	30.49	276	971310	20.21 ng/ul	97	

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