

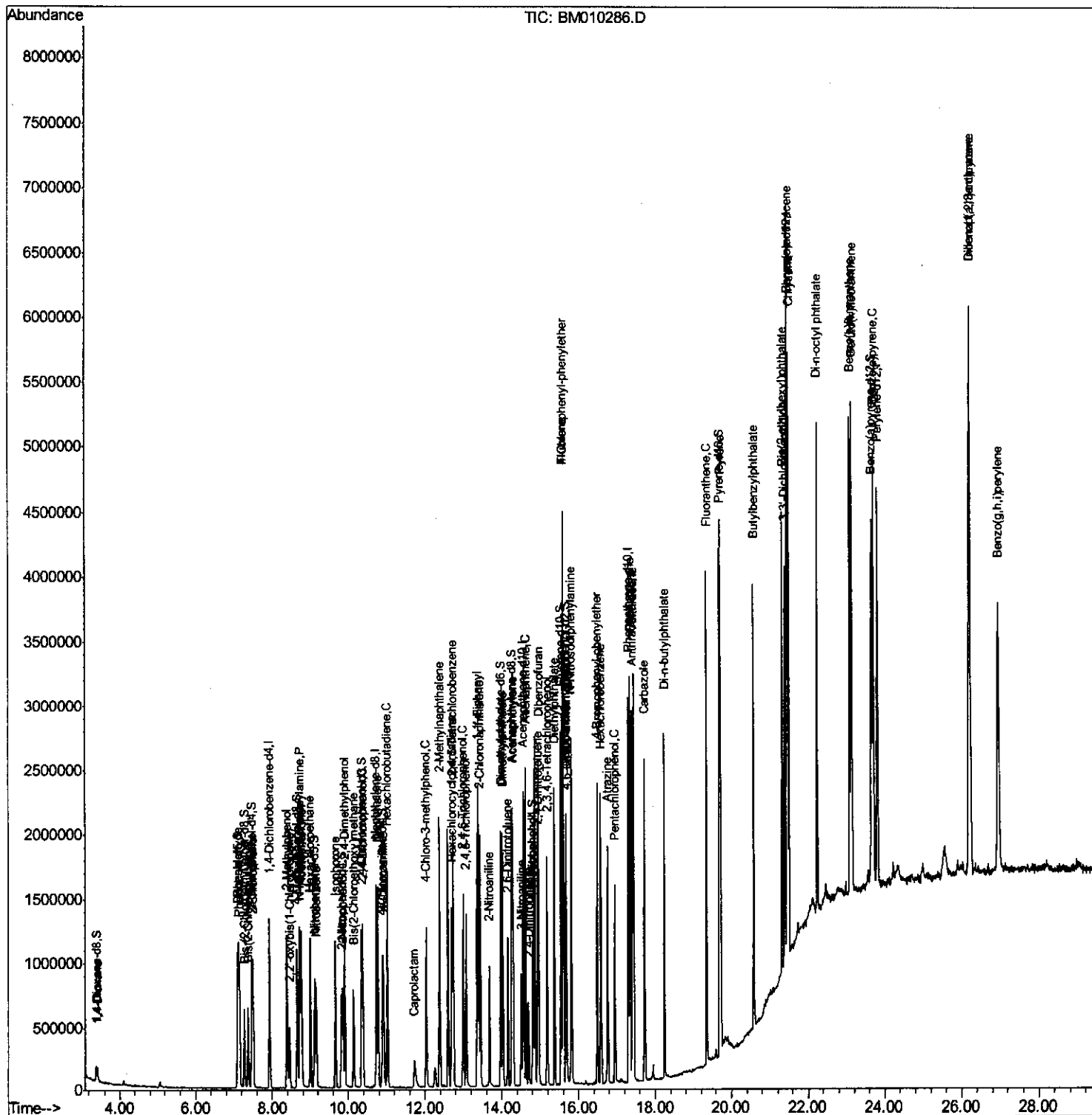
Data Path : Z:\HPCHEM1\BNA M\Data\BM052717\
Data File : BM010286.D
Acq On : 27 May 2017 21:32
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTD02007

Manual Integrations
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mohammad
5/30/2017 4:41:14 PM

Quant Time: May 30 16:02:58 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 30 15:28:56 2017
Response via : Initial Calibration



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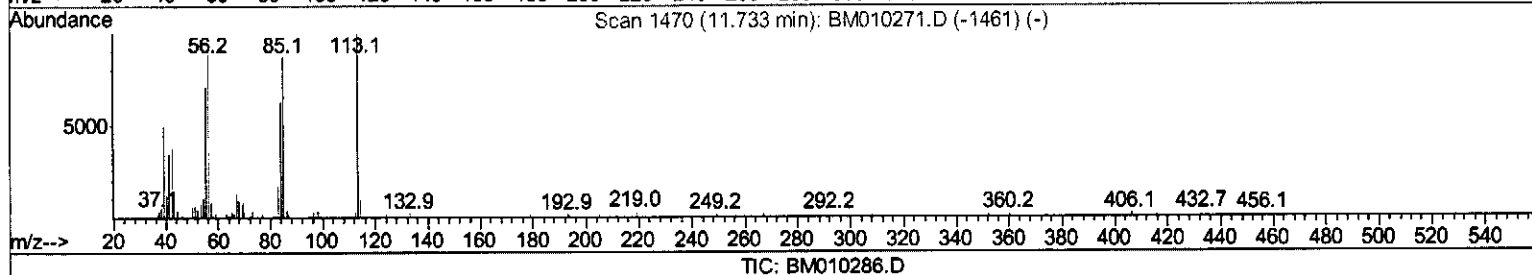
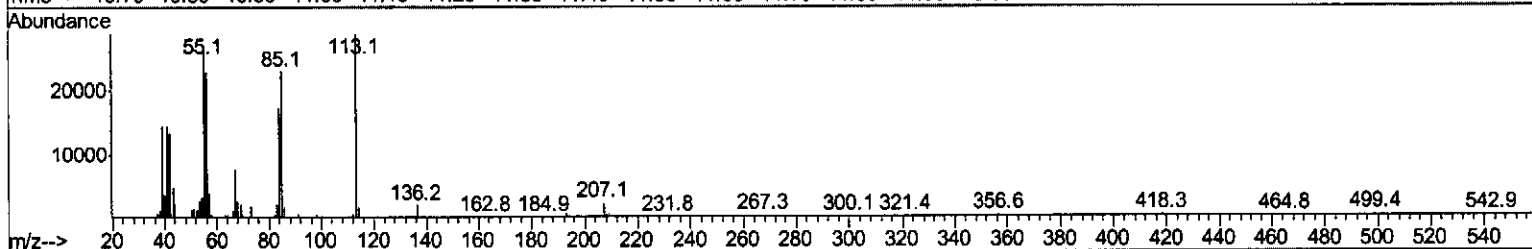
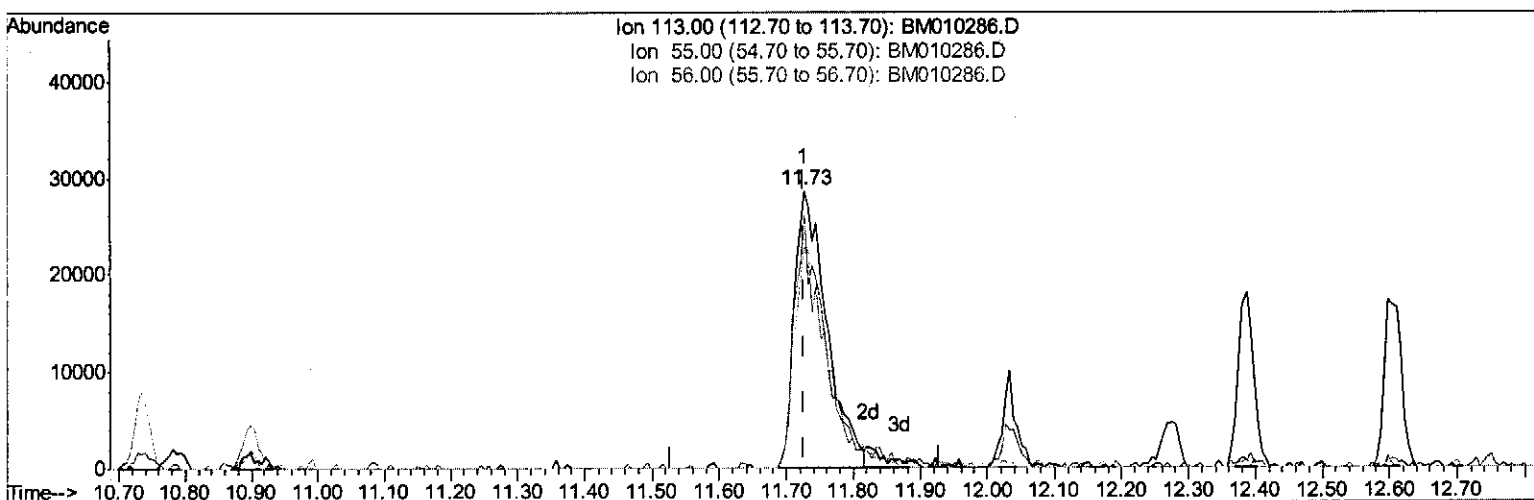
Quant Time: May 30 15:58:11 2017

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

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Response via : Initial Calibration



(32) Caprolactam

11.728min (0.000) 19.06ng/ul

response 95493

Ion	Exp%	Act%
113.00	100	100
55.00	118.50	91.21#
56.00	107.50	79.70#
0.00	0.00	0.00

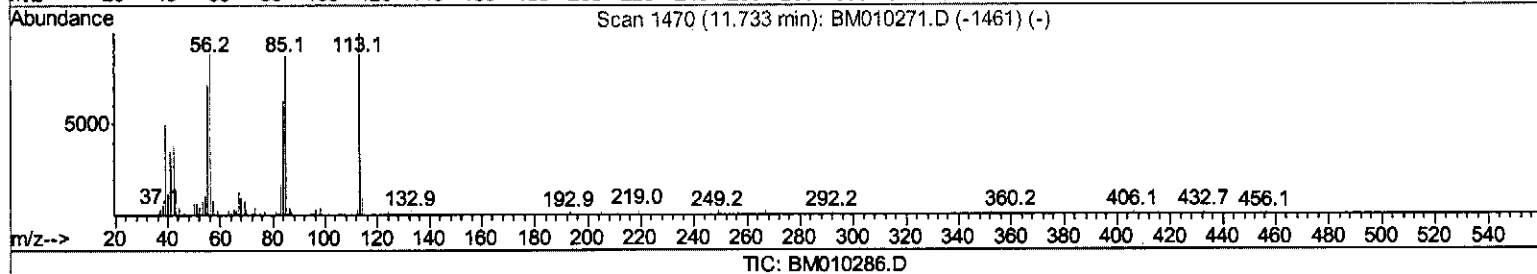
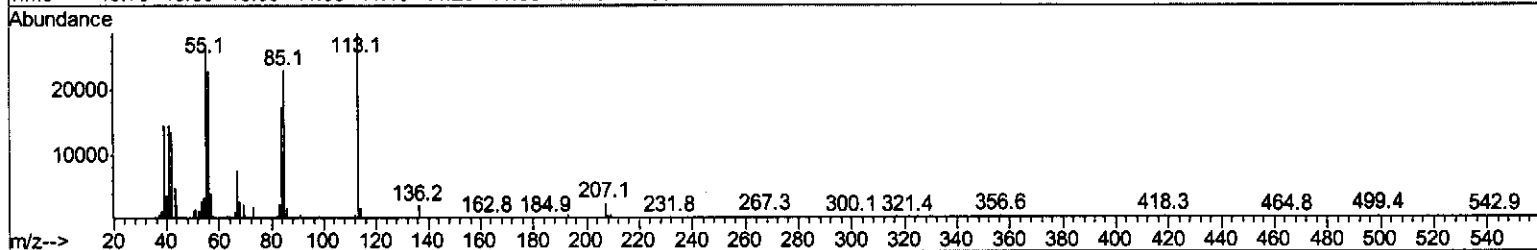
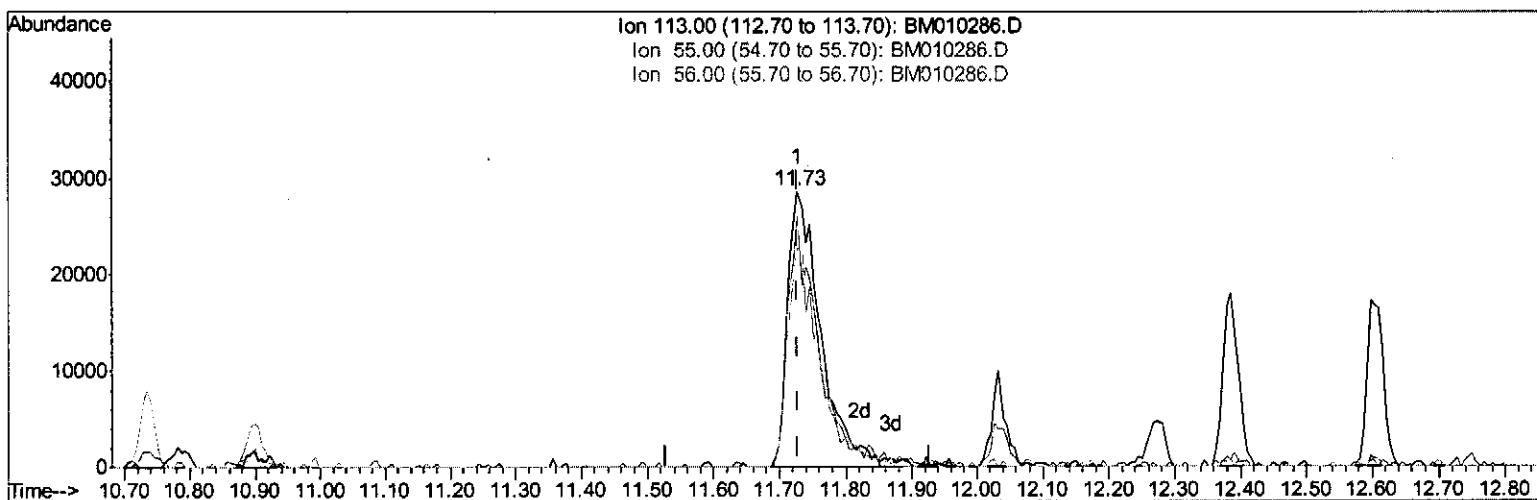
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Manual Integrations
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(32) Caprolactam

11.728min (0.000) 19.65ng/ul m

SJ 5/30/17

response 98456

Ion	Exp%	Act%
113.00	100	100
55.00	118.50	91.21#
56.00	107.50	79.70#
0.00	0.00	0.00

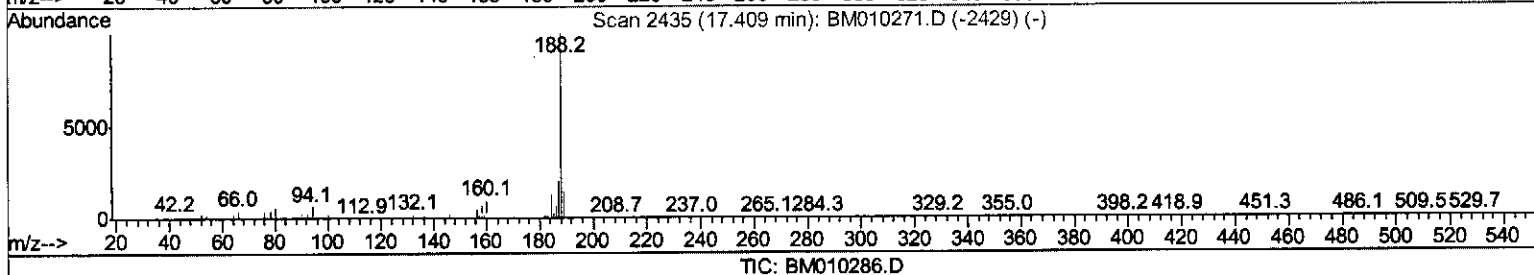
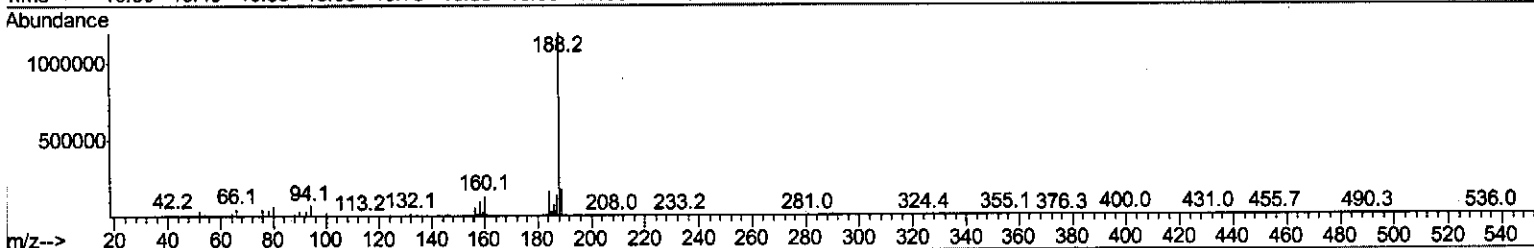
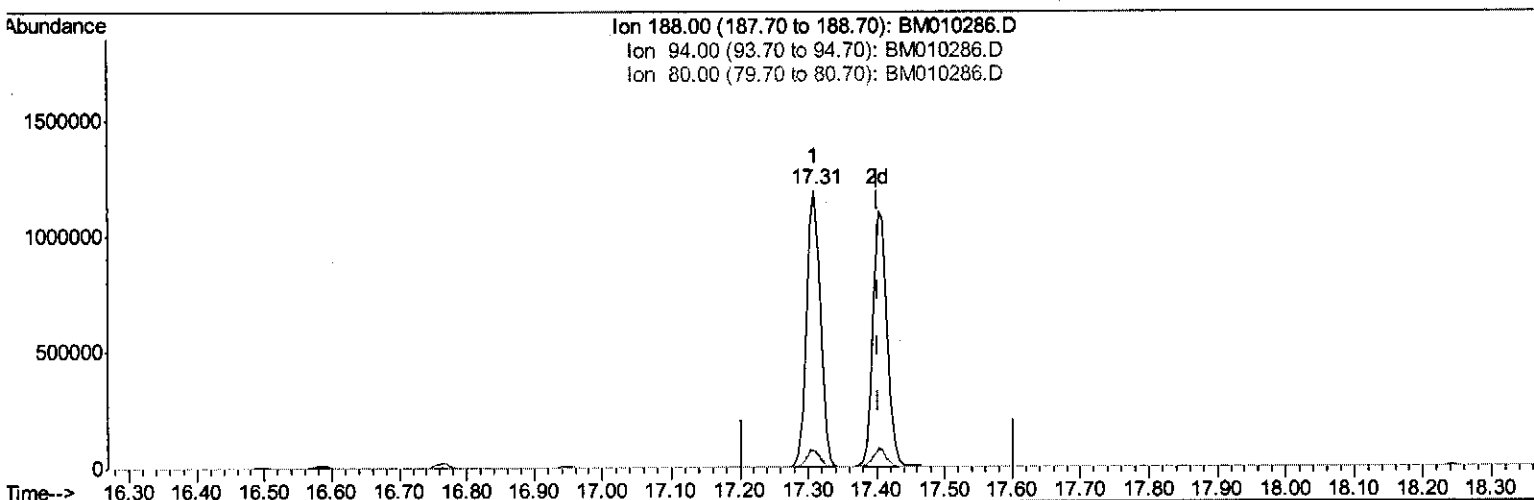
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(70) Anthracene-d10 (S)

17.310min (-0.094) 20.55ng/ul

response 1646074

Ion	Exp%	Act%
188.00	100	100
94.00	5.70	6.13
80.00	5.90	5.75
0.00	0.00	0.00

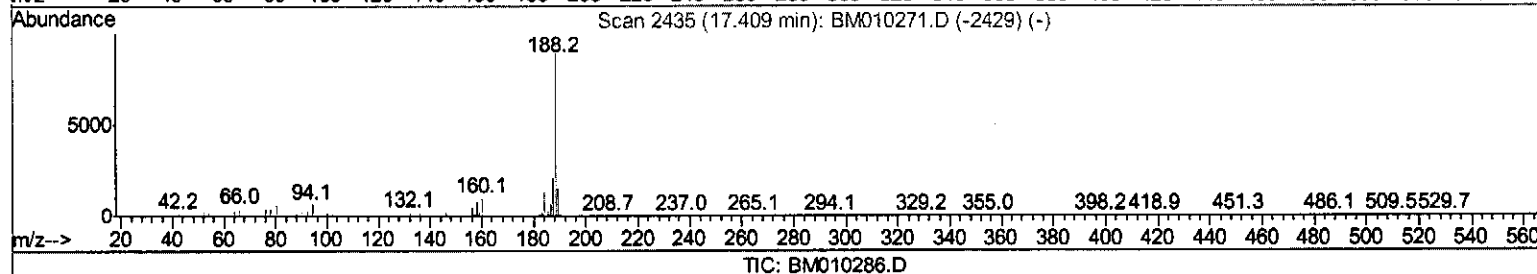
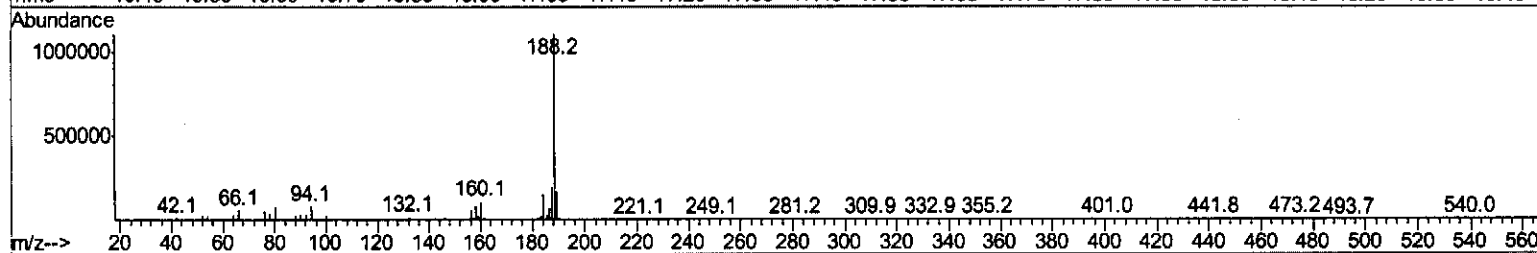
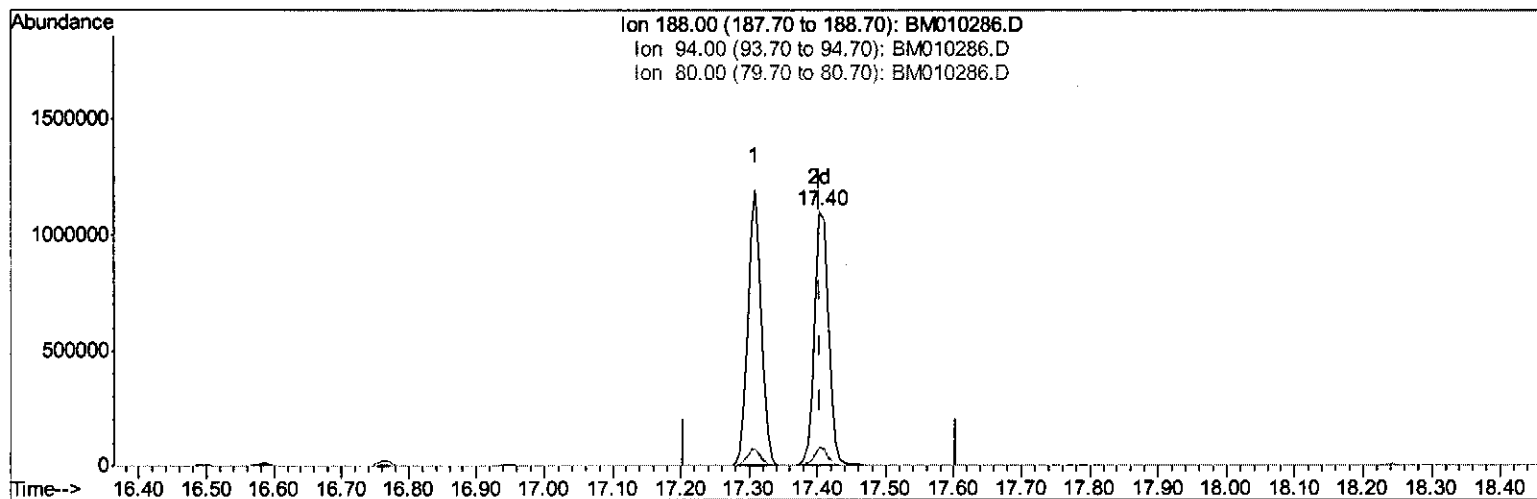
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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LabSampleID :
SSTD02007

Manual Integrations
APPROVED

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(70) Anthracene-d10 (S)

17.404min (0.000) 19.54ng/ul m

SJ 5/30/17

response 1565383

Ion	Exp%	Act%
188.00	100	100
94.00	5.70	7.33#
80.00	5.90	7.13#
0.00	0.00	0.00

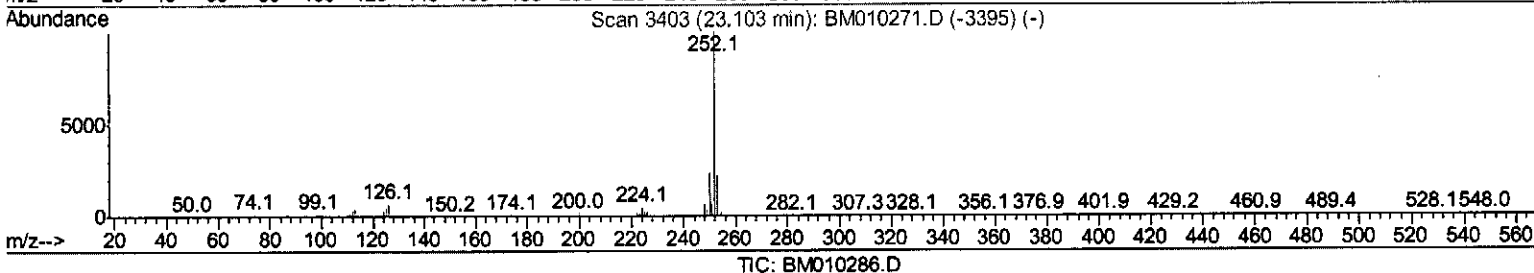
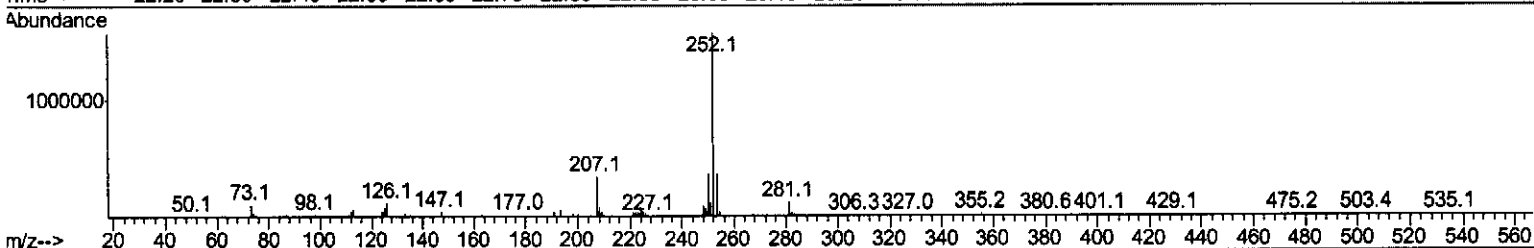
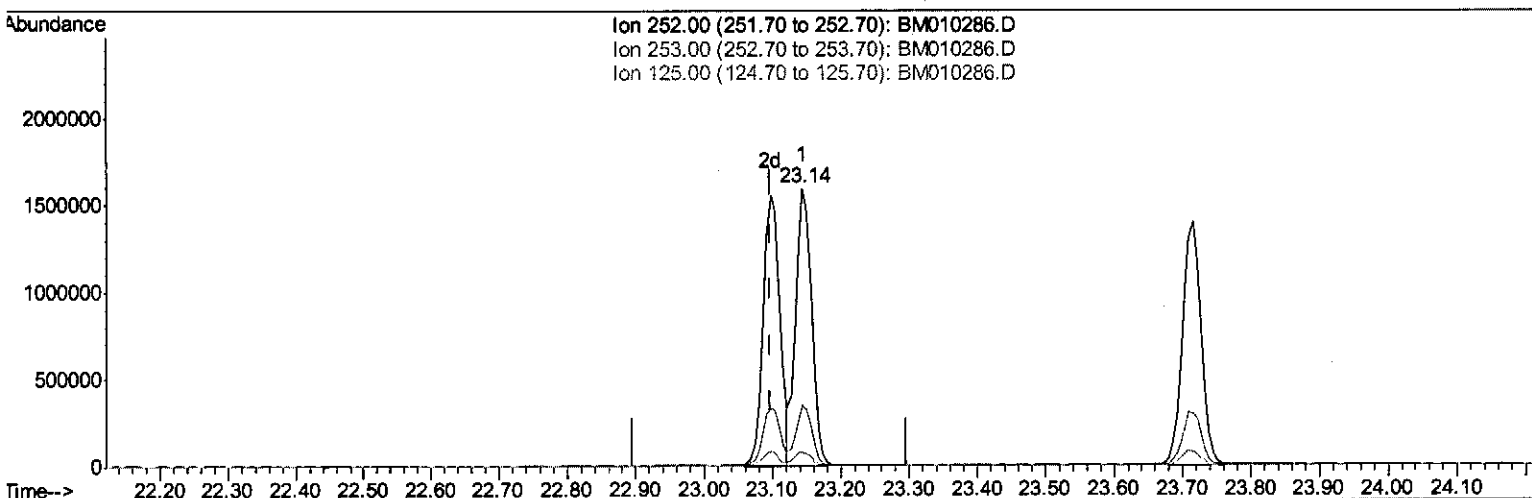
Data Path : Z:\HPCHEM1\BNA M\Data\BM052717\
Data File : BM010286.D
Acq On : 27 May 2017 21:32
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
LabSampled :
SSTD02007

Manual Integrations
APPROVED

mohammad
5/30/2017 4:41:14 PM

Quant Time: May 30 15:58:11 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Tue May 30 15:28:56 2017
Response via : Initial Calibration



(85) Benzo(b)fluoranthene

23.144min (+0.047) 19.03ng/ul

response 2593666

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	22.51
125.00	4.50	5.02
0.00	0.00	0.00

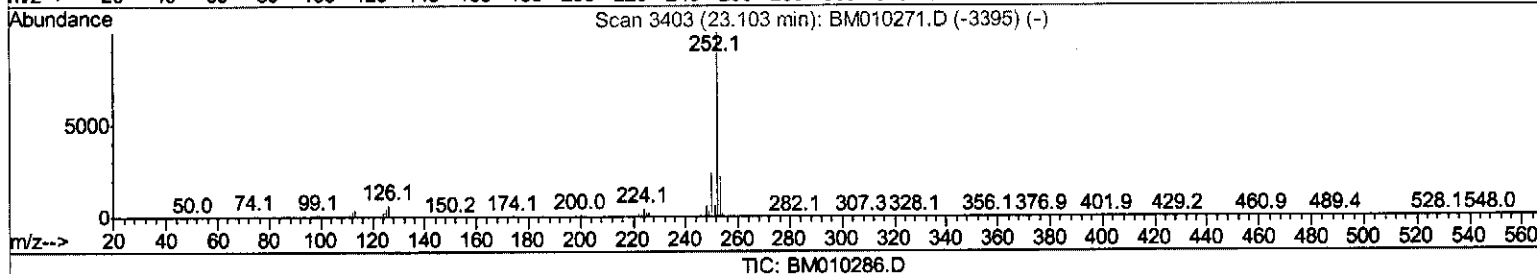
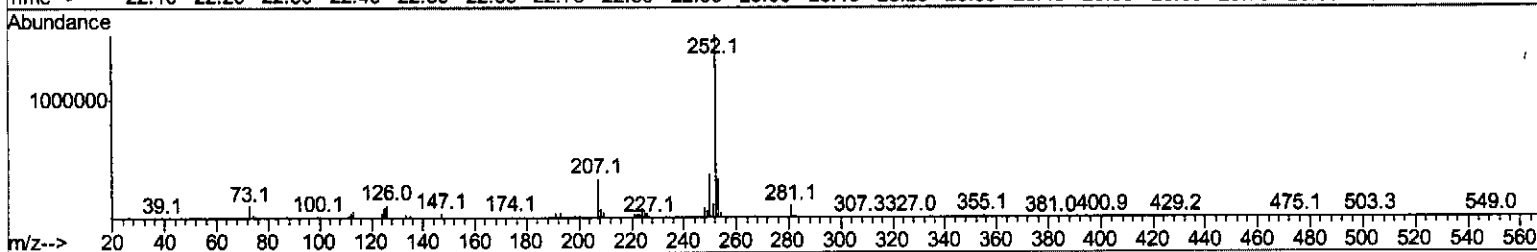
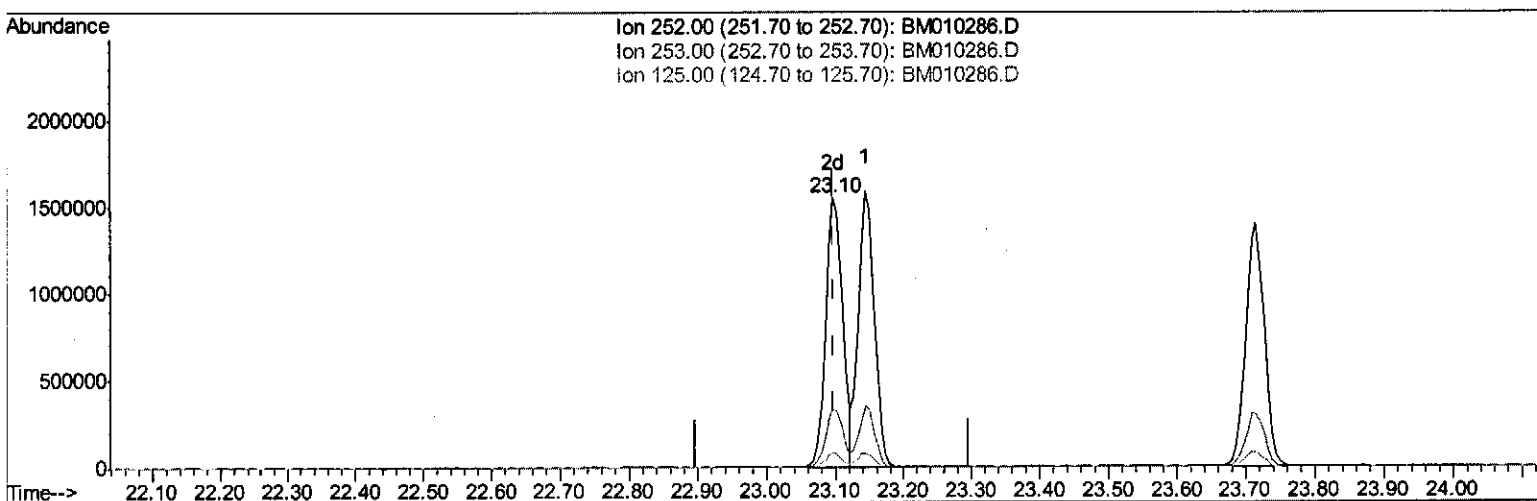
Data Path : Z:\HPCHEM1\BNA M\Data\BM052717\
Data File : BM010286.D
Acq On : 27 May 2017 21:32
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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LabSampleId :
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Manual Integrations
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(85) Benzo(b)fluoranthene

23.097min (0.000) 19.61ng/ul m

SJ 5/30/17

response 2672378

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	21.38
125.00	4.50	5.49#
0.00	0.00	0.00

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 Data File : BM010286.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	323749	20.00	ng/ul	0.00
18) Naphthalene-d8	10.73	136	1172216	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.56	164	713533	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.31	188	1646074	20.00	ng/ul	0.00
75) Chrysene-d12	21.47	240	2277417	20.00	ng/ul	0.00
83) Perylene-d12	23.82	264	2342046	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	67820	8.59	ng/uL	0.00
5) Phenol-d5	7.12	99	470525	19.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.27	67	264421	19.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.47	132	391959	20.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.65	113	366224	18.50	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	176609	20.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.83	143	203651	20.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	397890	19.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	424772	21.55	ng/ul	0.00
43) Dimethylphthalate-d6	13.97	166	1190847	20.09	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	1369935	19.81	ng/ul	0.00
51) 4-Nitrophenol-d4	14.80	143	156831	17.68	ng/ul	0.00
57) Fluorene-d10	15.55	176	1019269	19.56	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	211178	18.11	ng/ul	0.00
70) Anthracene-d10	17.40	188	1565383m>	19.54	ng/ul	0.00
76) Pyrene-d10	19.69	212	1851067	19.66	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.67	264	2154629	19.76	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.42	88	71771	8.53	ng/uL# 54
4) Benzaldehyde	7.09	77	357451	21.67	ng/ul 95
6) Phenol	7.14	94	484075	19.25	ng/ul 94
8) Bis(2-Chloroethyl)ether	7.36	93	342732	19.64	ng/ul 92
10) 2-Chlorophenol	7.50	128	395586	20.16	ng/ul 92
11) 2-Methylphenol	8.39	108	348705	18.99	ng/ul 99
12) 2,2'-oxybis(1-Chloropropan	8.46	45	154417	19.62	ng/ul# 60
14) Acetophenone	8.77	105	581062	17.99	ng/ul# 90
15) N-Nitroso-di-n-propylamine	8.74	70	321658	19.92	ng/ul# 81
16) 4-Methylphenol	8.72	108	380249	18.88	ng/ul 91
17) Hexachloroethane	9.00	117	175370	19.68	ng/ul 90
20) Nitrobenzene	9.16	77	473198	19.30	ng/ul 98
21) Isophorone	9.66	82	758631	20.10	ng/ul 97
23) 2-Nitrophenol	9.86	139	205333	19.47	ng/ul 93
24) 2,4-Dimethylphenol	9.91	107	480533	19.60	ng/ul 97
25) Bis(2-Chloroethoxy)methane	10.15	93	426947	20.13	ng/ul 93
27) 2,4-Dichlorophenol	10.39	162	397842	19.87	ng/ul# 90
28) Naphthalene	10.79	128	1168412	19.87	ng/ul 99
30) 4-Chloroaniline	10.92	127	385580	20.26	ng/ul 90
31) Hexachlorobutadiene	11.03	225	359362	19.59	ng/ul 94
32) Caprolactam	11.73	113	98456m>	19.65	ng/ul 98
33) 4-Chloro-3-methylphenol	12.03	107	388552	20.16	ng/ul 98
34) 2-Methylnaphthalene	12.39	142	877034	19.67	ng/ul 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.74	216	571852	19.27	ng/ul	99
37) Hexachlorocyclopentadiene	12.70	237	361996	18.19	ng/ul#	98
38) 2,4,6-Trichlorophenol	13.00	196	332182	19.69	ng/ul	98
39) 2,4,5-Trichlorophenol	13.07	196	341100	20.04	ng/ul	100
40) 1,1'-Biphenyl	13.39	154	1152121	19.90	ng/ul	99
41) 2-Chloronaphthalene	13.45	162	898327	19.75	ng/ul	97
42) 2-Nitroaniline	13.68	65	234215	20.22	ng/ul	90
44) Dimethylphthalate	14.02	163	1133352	19.44	ng/ul	100
45) 2,6-Dinitrotoluene	14.16	165	216100	20.22	ng/ul#	91
47) Acenaphthylene	14.29	152	1349718	19.97	ng/ul	99
48) 3-Nitroaniline	14.51	138	190636	18.52	ng/ul	95
49) Acenaphthene	14.63	153	927170	19.56	ng/ul	97
50) 2,4-Dinitrophenol	14.70	184	144891	17.94	ng/ul	95
52) 4-Nitrophenol	14.82	109	207182	17.04	ng/ul	95
53) Dibenzofuran	14.96	168	1361890	19.43	ng/ul	97
54) 2,4-Dinitrotoluene	14.94	165	315768	20.12	ng/ul	97
55) 2,3,4,6-Tetrachlorophenol	15.19	232	329306	20.14	ng/ul	95
56) Diethylphthalate	15.37	149	1120697	19.87	ng/ul	95
58) Fluorene	15.61	166	1128428	19.63	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.60	204	645503	19.65	ng/ul	93
60) 4-Nitroaniline	15.67	138	192524	17.86	ng/ul	88
63) 4,6-Dinitro-2-methylphenol	15.69	198	218787	17.71	ng/ul	94
64) N-Nitrosodiphenylamine	15.82	169	938465	19.56	ng/ul	98
65) 4-Bromophenyl-phenylether	16.49	248	389914	19.25	ng/ul#	92
66) Hexachlorobenzene	16.59	284	420886	19.84	ng/ul#	93
67) Atrazine	16.77	200	395413	18.96	ng/ul	98
68) Pentachlorophenol	16.95	266	246830	18.28	ng/ul	97
69) Phenanthrene	17.35	178	1739273	19.79	ng/ul	99
71) Anthracene	17.44	178	1810746	19.74	ng/ul	99
72) Carbazole	17.73	167	1487883	19.16	ng/ul	97
73) Di-n-butylphthalate	18.24	149	1737227	19.82	ng/ul	99
74) Fluoranthene	19.36	202	2179073	20.16	ng/ul	99
77) Pvrene	19.72	202	2314163	19.72	ng/ul	99
78) Butylbenzylphthalate	20.59	149	847575	20.90	ng/ul	98
79) 3,3'-Dichlorobenzidine	21.40	252	839362	18.78	ng/ul	95
80) Benzo(a)anthracene	21.45	228	2538940	19.77	ng/ul	100
81) Bis(2-ethylhexyl)phthalate	21.33	149	1257309	20.83	ng/ul#	98
82) Chrysene	21.50	228	2273938	19.59	ng/ul	99
84) Di-n-octyl phthalate	22.24	149	2269901	21.06	ng/ul#	93
85) Benzo(b)fluoranthene	23.10	252	2672378m>	19.61	ng/ul	
86) Benzo(k)fluoranthene	23.14	252	2593666	19.92	ng/ul	98
88) Benzo(a)pyrene	23.72	252	2650254	19.62	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	26.21	276	3279683	19.22	ng/ul	97
90) Dibenzo(a,h)anthracene	26.23	278	2838513	19.31	ng/ul#	98
91) Benzo(g,h,i)perylene	26.96	276	2707282	19.26	ng/ul#	97

SJ 5/30/17

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