

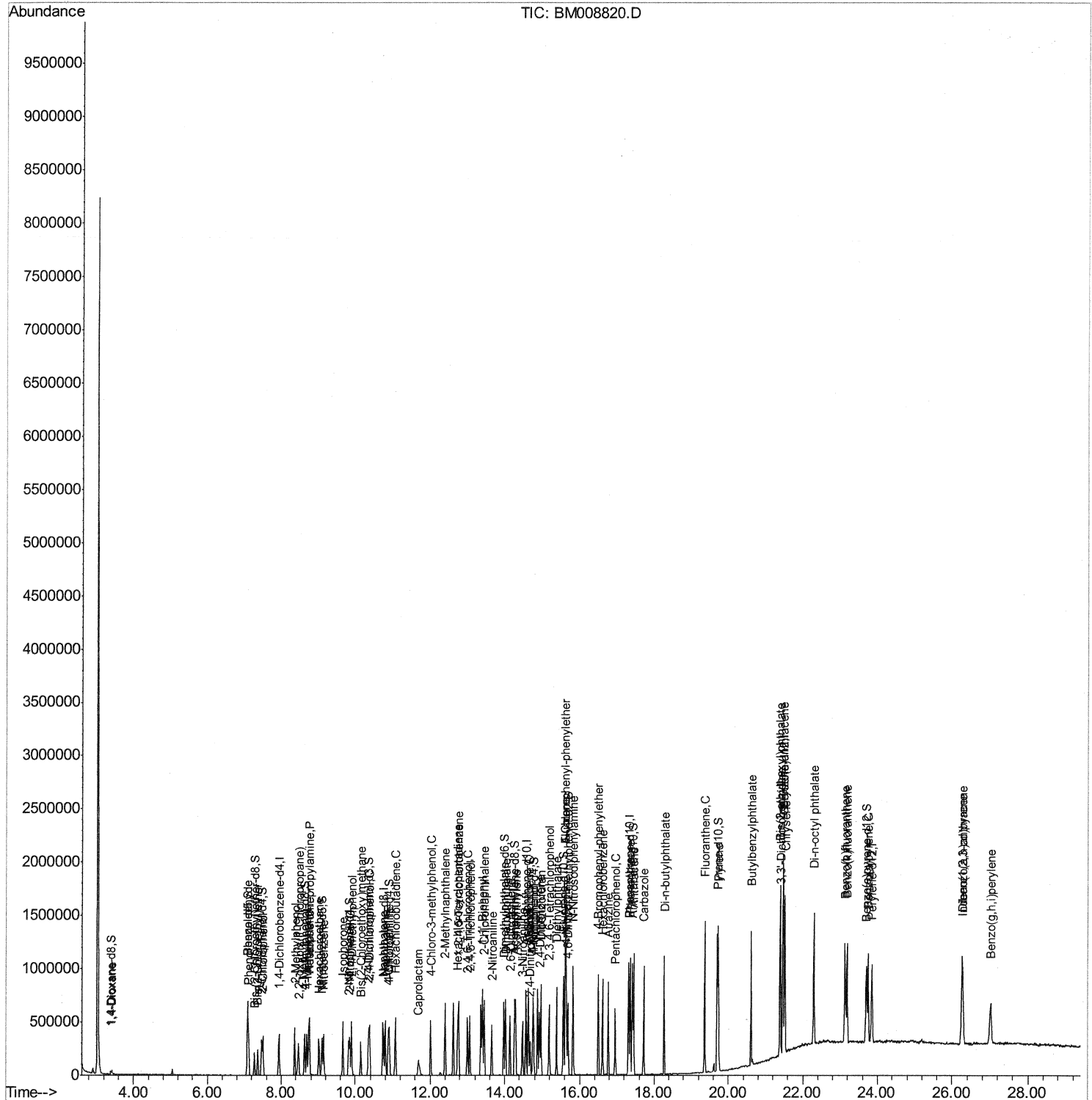
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Data Path   : Z:\HPCHEM1\BNA_M\DATA\BM012317\  
Data File  : BM008820.D  
Acq On     : 24 Jan 2017   02:19  
Operator   : UM/SJ  
Sample     : SSTDCCC020  
Misc       :  
ALS Vial   : 5   Sample Multiplier: 1
```

Instrument :
BNA_M
LabSampleId :
SSTD02043

Manual Integrations

mohammad
1/24/2017 5:17:40 PM

Quant Time: Jan 24 04:31:21 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 24 02:47:47 2017
Response via : Initial Calibration



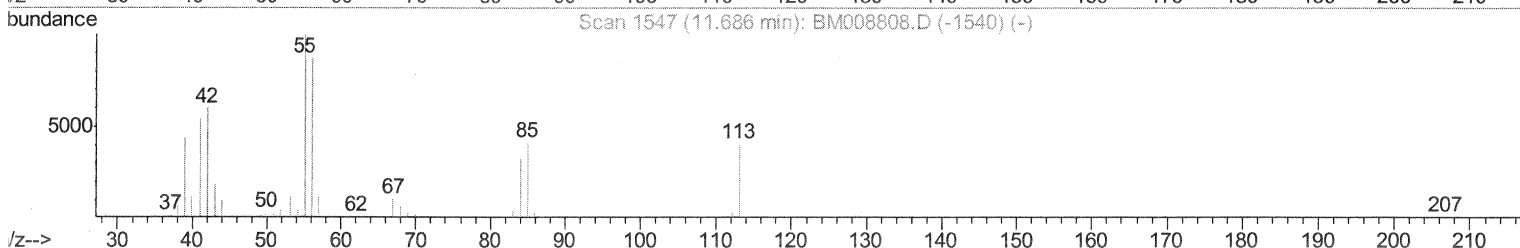
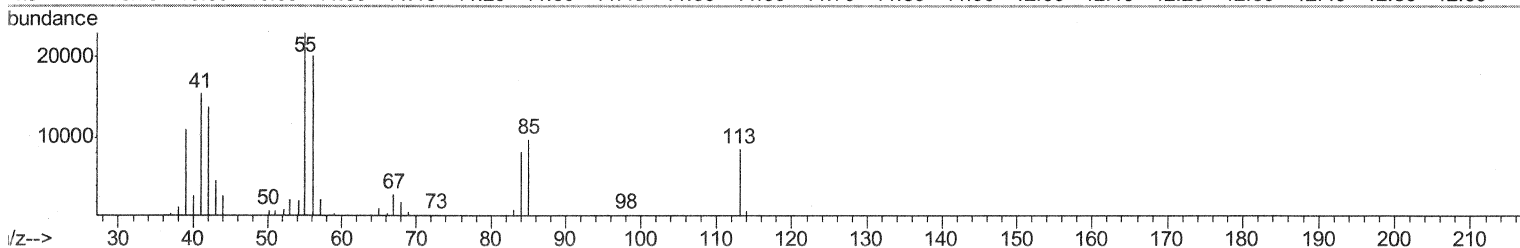
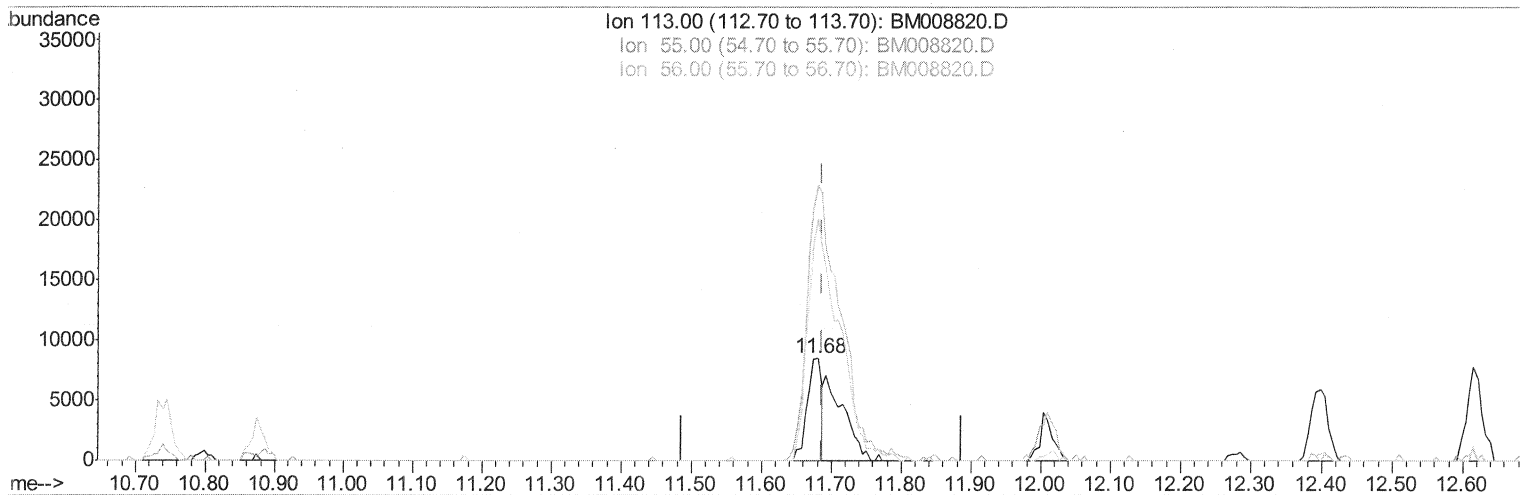
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
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Manual Integrations
 APPROVED

mohammad
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Quant Time: Jan 24 02:55:43 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 24 02:47:47 2017
 Response via : Initial Calibration



TIC: BM008820.D

(32) Caprolactam

11.680min (-0.006) 8.95ng/ul

response 12291

Ion	Exp%	Act%
113.00	100	100
55.00	146.20	268.85#
56.00	122.10	235.85#
0.00	0.00	0.00

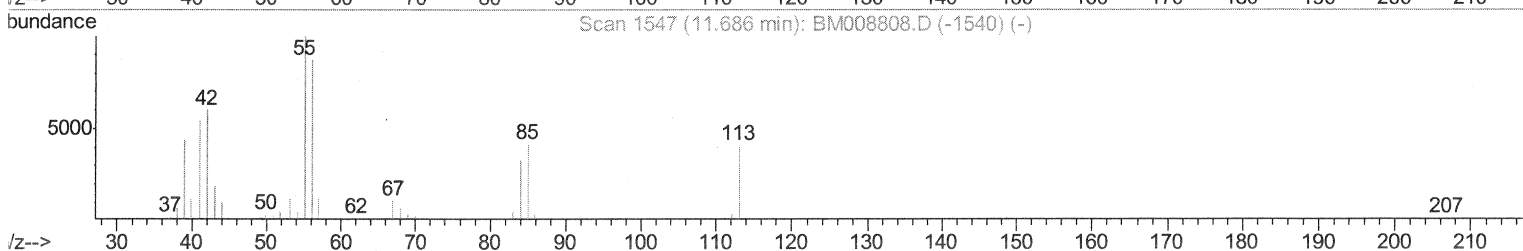
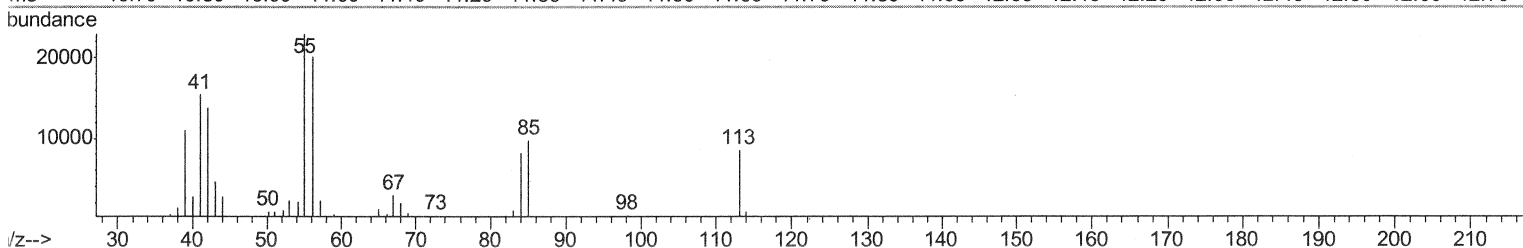
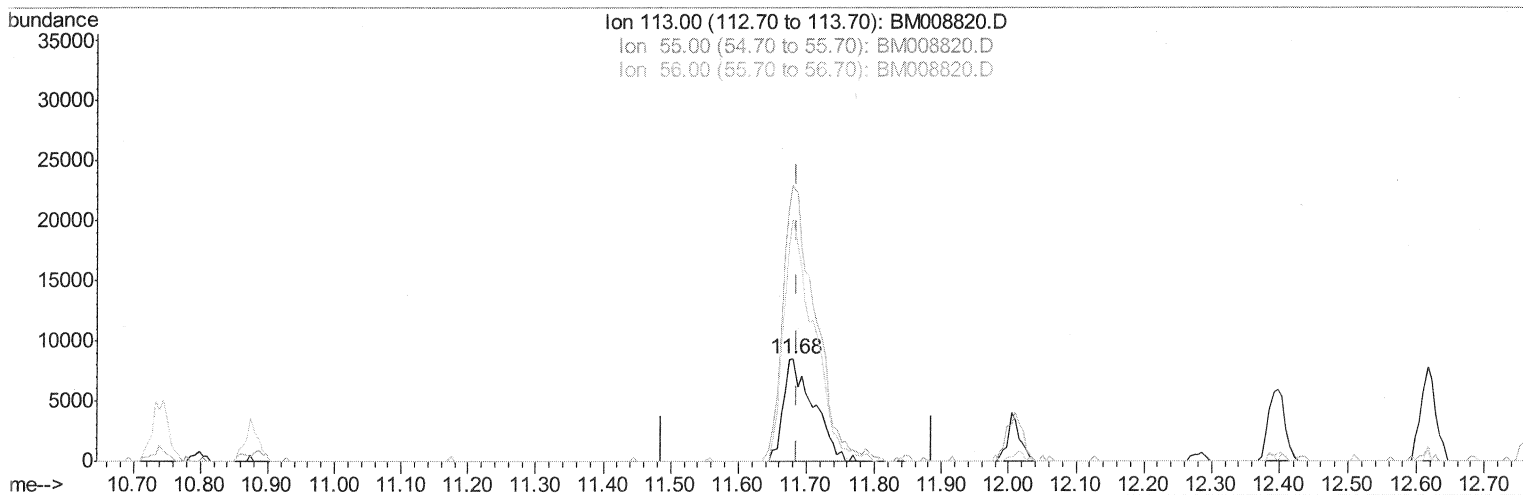
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
 Data File : BM008820.D
 Acq On : 24 Jan 2017 02:19
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
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Manual Integrations
 APPROVED

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TIC: BM008820.D

(32) Caprolactam

11.680min (-0.006) 19.04ng/ul m

SJ 1/27/17

response 26129

Ion	Exp%	Act%
113.00	100	100
55.00	146.20	268.85#
56.00	122.10	235.85#
0.00	0.00	0.00

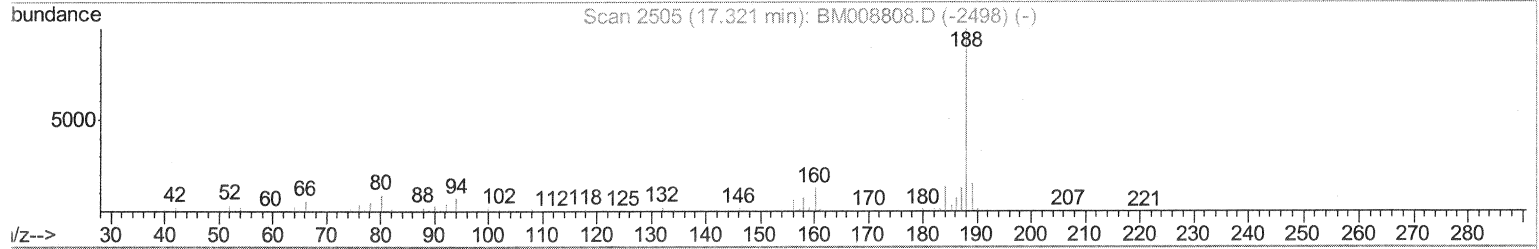
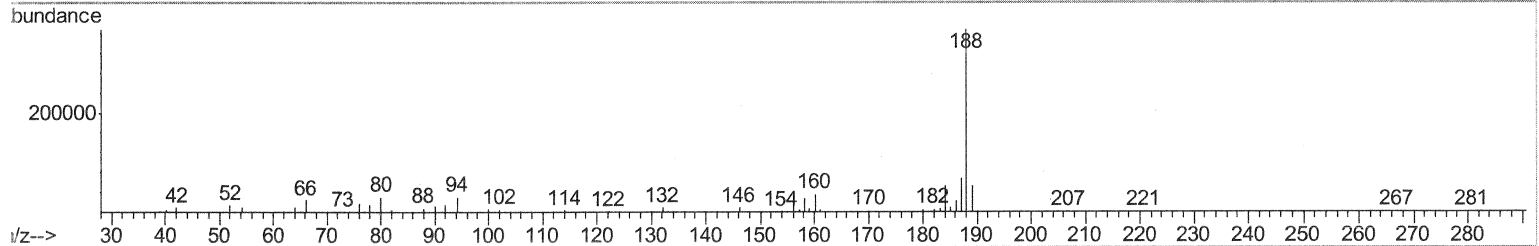
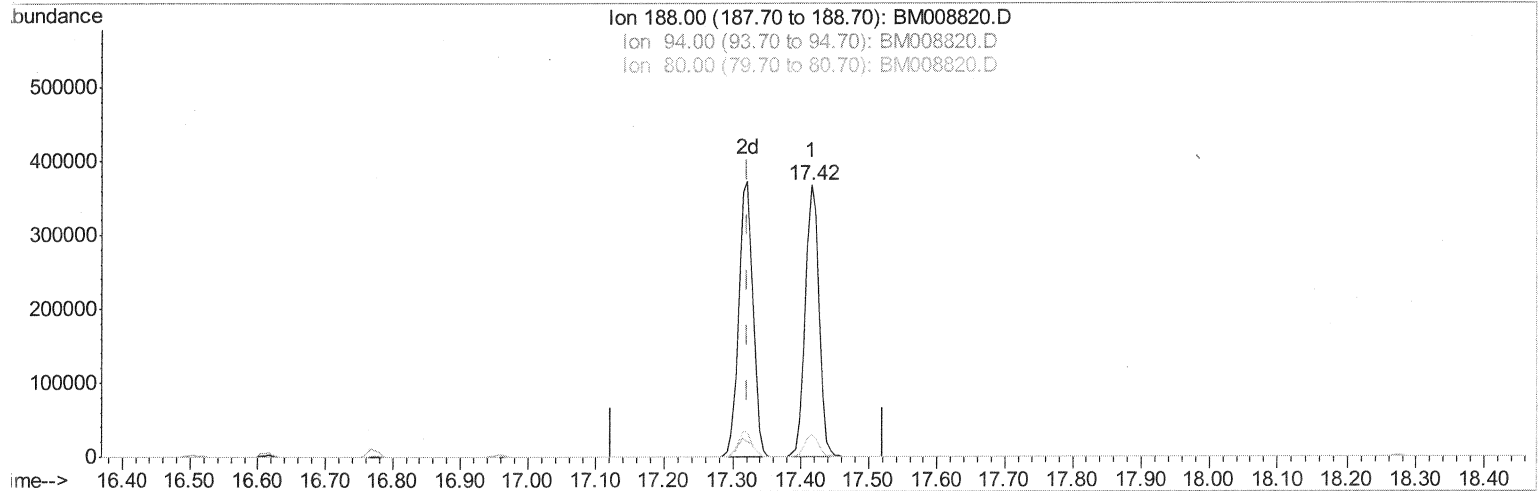
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
 Data File : BM008820.D
 Acq On : 24 Jan 2017 02:19
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
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Manual Integrations
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 1/24/2017 5:17:40 PM

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TIC: BM008820.D

(61) Phenanthrene-d10 (I)

17.415min (+0.094) 20.00ng/ul

response 525695

Ion	Exp%	Act%
188.00	100	100
94.00	8.00	8.42
80.00	9.50	8.47
0.00	0.00	0.00

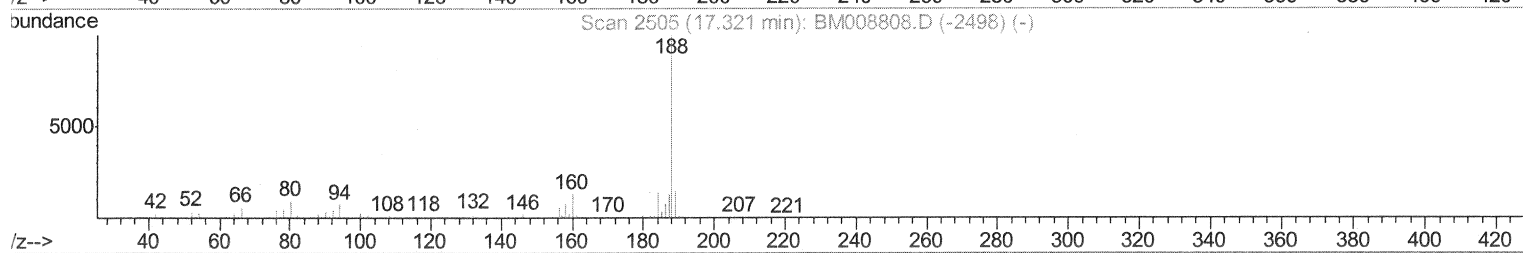
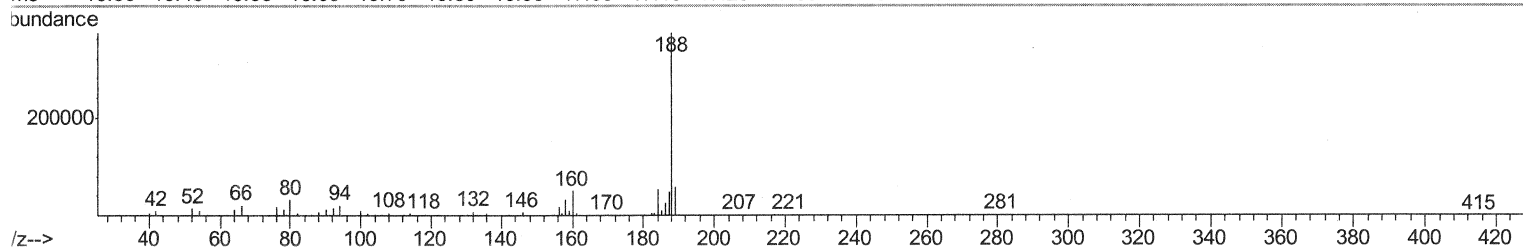
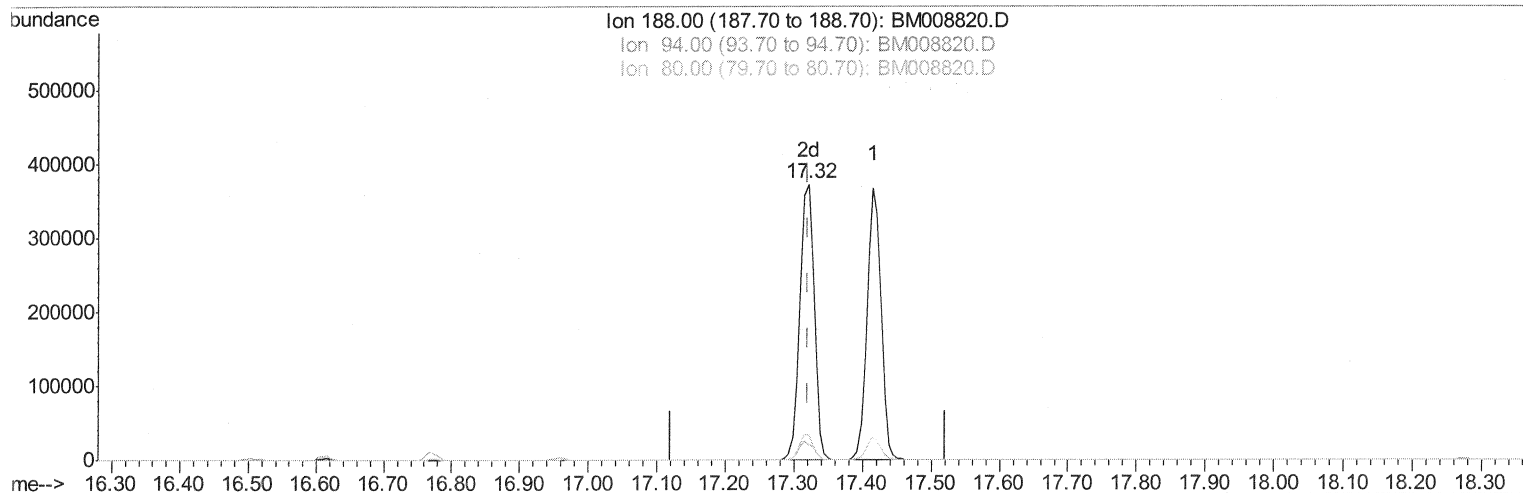
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
 Data File : BM008820.D
 Acq On : 24 Jan 2017 02:19
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
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Manual Integrations
 APPROVED

mohammad
 1/24/2017 5:17:40 PM

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TIC: BM008820.D

(61) Phenanthrene-d10 (I)

17.321min (-0.000) 20.00ng/ul m SJ 1/27/17

response 548988

Ion	Exp%	Act%
188.00	100	100
94.00	8.00	5.65#
80.00	9.50	8.89
0.00	0.00	0.00

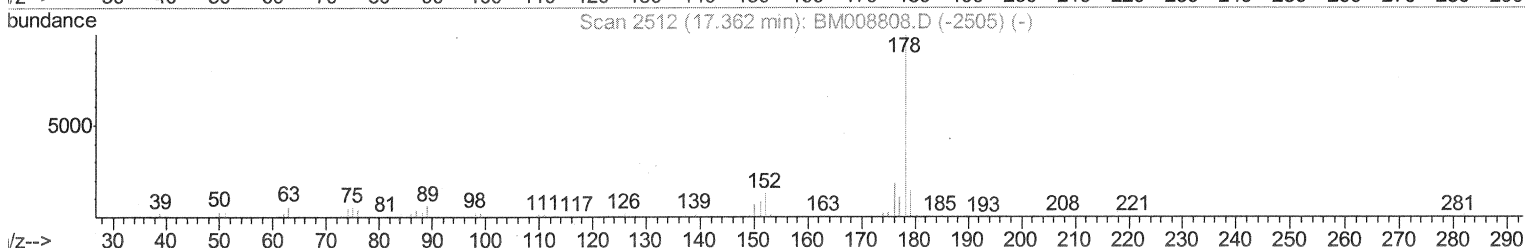
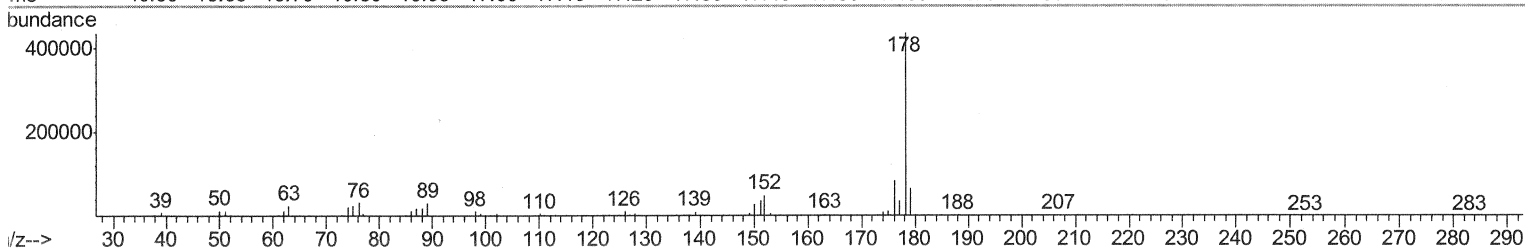
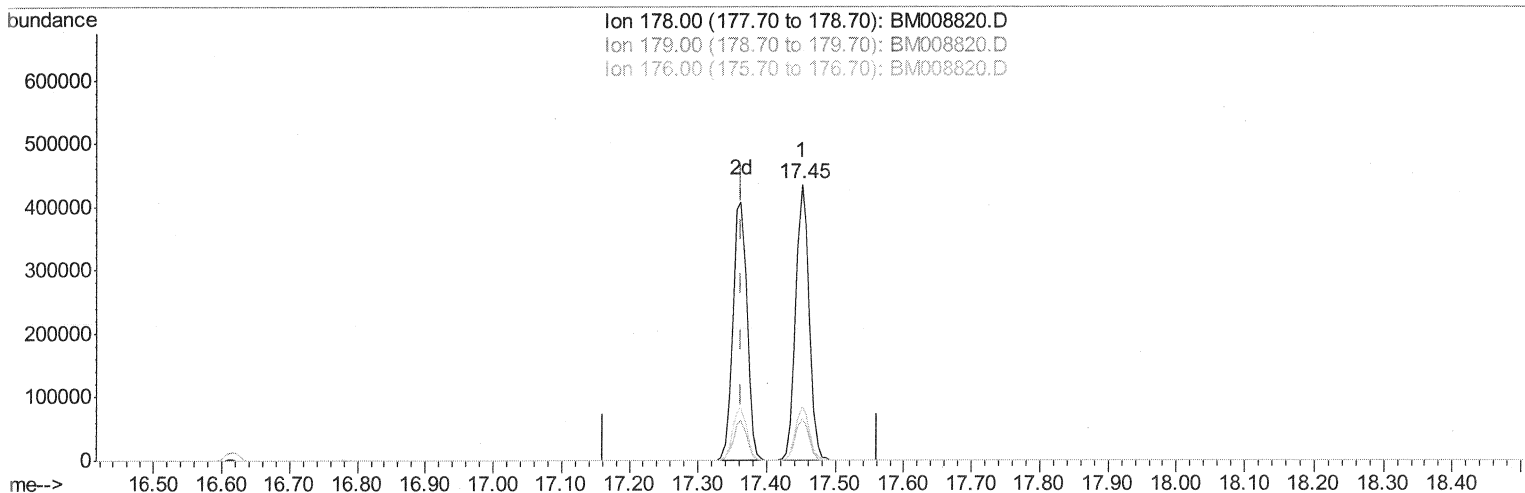
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
Data File : BM008820.D
Acq On : 24 Jan 2017 02:19
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTD02043

Manual Integrations
APPROVED

mohammad
1/24/2017 5:17:40 PM

Quant Time: Jan 24 04:30:56 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 24 02:47:47 2017
Response via : Initial Calibration



TIC: BM008820.D

(69) Phenanthrene

17.451min (+0.088) 22.02ng/ul

response 595462

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	15.11
176.00	18.40	19.34
0.00	0.00	0.00

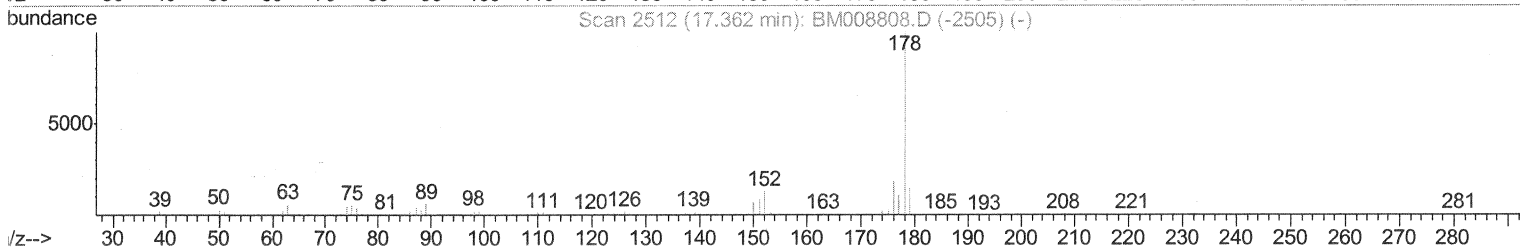
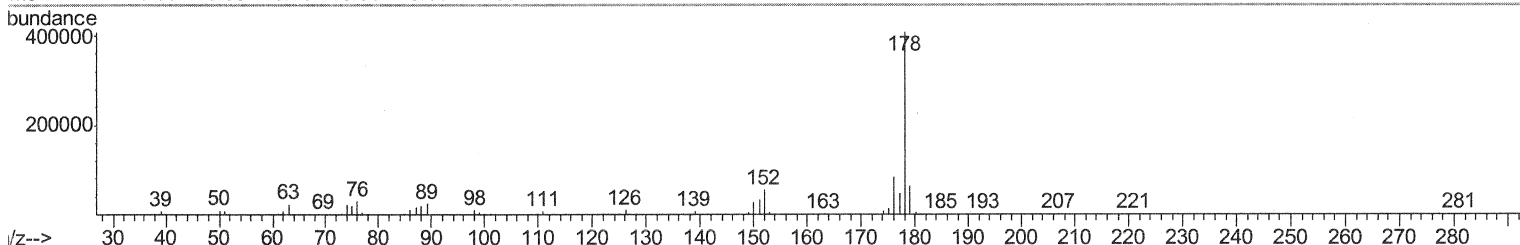
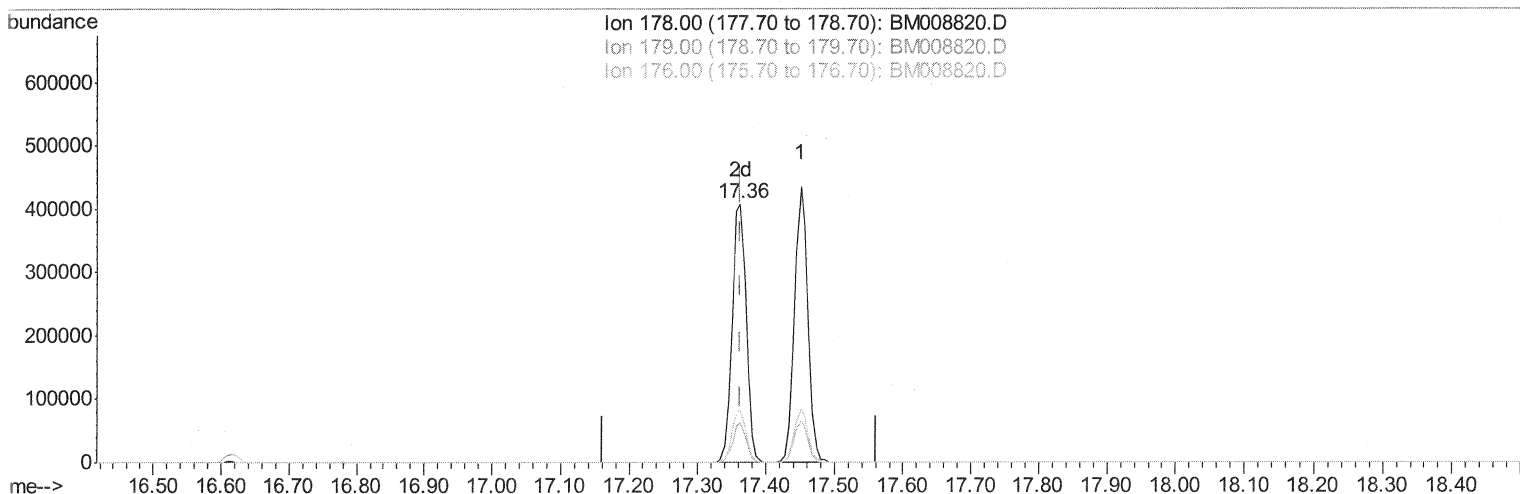
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
 Data File : BM008820.D
 Acq On : 24 Jan 2017 02:19
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02043

Manual Integrations
 APPROVED

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 1/24/2017 5:17:40 PM

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TIC: BM008820.D

(69) Phenanthrene

17.362min (-0.000) 21.51ng/ul m SJ 1/27/17

response 581664

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	15.52
176.00	18.40	20.53
0.00	0.00	0.00

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 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	64397	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	280625	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	232585	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	548988m>	20.00	ng/ul	0.00
75) Chrysene-d12	21.49	240	640425	20.00	ng/ul	0.00
83) Perylene-d12	23.85	264	543146	20.00	ng/ul	0.00

SJ 1/27/17

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	11587	8.89	ng/uL	0.00
5) Phenol-d5	7.09	99	116417	21.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.27	67	95959	22.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.47	132	76890	21.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	87552	20.50	ng/ul	-0.01
19) Nitrobenzene-d5	9.10	128	37948	21.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.83	143	45621	21.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.35	165	94666	20.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.88	131	108064	21.84	ng/ul	0.00
43) Dimethylphthalate-d6	13.98	166	327284	21.48	ng/ul	0.00
46) Acenaphthylene-d8	14.27	160	387085	21.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	53879	21.14	ng/ul	0.00
57) Fluorene-d10	15.56	176	313923	21.69	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.68	200	65415	20.01	ng/ul	0.00
70) Anthracene-d10	17.42	188	525695	21.90	ng/ul	0.00
76) Pyrene-d10	19.70	212	610585	21.74	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.70	264	492541	21.41	ng/ul	0.00

Target Compounds

					Qvalue	
2) 1,4-Dioxane	3.43	88	14350	9.09	ng/uL#	46
4) Benzaldehyde	7.08	77	113933	25.39	ng/ul#	74
6) Phenol	7.12	94	123690	20.80	ng/ul#	37
8) Bis(2-Chloroethyl)ether	7.36	93	94286	21.17	ng/ul#	73
10) 2-Chlorophenol	7.50	128	80618	21.96	ng/ul#	53
11) 2-Methylphenol	8.37	108	85325	20.01	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.47	45	182533	21.80	ng/ul#	85
14) Acetophenone	8.76	105	165050	21.08	ng/ul#	59
15) N-Nitroso-di-n-propylamine	8.75	70	110181	21.60	ng/ul#	63
16) 4-Methylphenol	8.69	108	97238	21.16	ng/ul	98
17) Hexachloroethane	9.02	117	49994	22.08	ng/ul#	73
20) Nitrobenzene	9.15	77	175867	22.35	ng/ul#	79
21) Isophorone	9.67	82	266395	20.97	ng/ul#	89
23) 2-Nitrophenol	9.85	139	46558	20.68	ng/ul#	9
24) 2,4-Dimethylphenol	9.90	107	140983	21.96	ng/ul#	83
25) Bis(2-Chloroethoxy)methane	10.15	93	136781	21.61	ng/ul#	95
27) 2,4-Dichlorophenol	10.38	162	95271	21.35	ng/ul#	91
28) Naphthalene	10.79	128	273775	21.13	ng/ul	98
30) 4-Chloroaniline	10.90	127	116527	22.99	ng/ul	97
31) Hexachlorobutadiene	11.06	225	92175	21.35	ng/ul	96
32) Caprolactam	11.68	113	26129m>	19.04	ng/ul	88
33) 4-Chloro-3-methylphenol	12.01	107	122782	21.20	ng/ul#	88
34) 2-Methylnaphthalene	12.40	142	223284	21.23	ng/ul	93

SJ 1/27/17

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Manual Integrations
 APPROVED

mohammad
 1/24/2017 5:17:40 PM

Quant Time: Jan 24 04:31:21 2017
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 Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.76	216	160684	22.49	ng/ul#	93
37) Hexachlorocyclopentadiene	12.74	237	115978	20.99	ng/ul	98
38) 2,4,6-Trichlorophenol	13.00	196	89208	20.68	ng/ul	96
39) 2,4,5-Trichlorophenol	13.07	196	101745	21.97	ng/ul	97
40) 1,1'-Biphenyl	13.40	154	312084	21.71	ng/ul#	96
41) 2-Chloronaphthalene	13.45	162	246091	21.76	ng/ul	94
42) 2-Nitroaniline	13.66	65	126747	22.58	ng/ul#	63
44) Dimethylphthalate	14.03	163	322549	21.17	ng/ul	99
45) 2,6-Dinitrotoluene	14.15	165	59746	20.47	ng/ul#	35
47) Acenaphthylene	14.30	152	378302	21.77	ng/ul	97
48) 3-Nitroaniline	14.48	138	60822	22.03	ng/ul#	75
49) Acenaphthene	14.64	153	269287	22.04	ng/ul	93
50) 2,4-Dinitrophenol	14.68	184	40713	19.42	ng/ul#	43
52) 4-Nitrophenol	14.77	109	114653	21.82	ng/ul#	63
53) Dibenzofuran	14.97	168	411467	21.89	ng/ul	88
54) 2,4-Dinitrotoluene	14.93	165	98794	22.05	ng/ul#	67
55) 2,3,4,6-Tetrachlorophenol	15.19	232	99904	21.48	ng/ul#	90
56) Diethylphthalate	15.39	149	356003	21.48	ng/ul	97
58) Fluorene	15.62	166	353294	22.50	ng/ul	93
59) 4-Chlorophenyl-phenylether	15.62	204	198582	21.84	ng/ul	95
60) 4-Nitroaniline	15.64	138	70103	22.78	ng/ul#	10
63) 4,6-Dinitro-2-methylphenol	15.69	198	67863	20.07	ng/ul#	55
64) N-Nitrosodiphenylamine	15.83	169	302440	21.78	ng/ul	98
65) 4-Bromophenyl-phenylether	16.51	248	130247	21.85	ng/ul	89
66) Hexachlorobenzene	16.62	284	145875	22.56	ng/ul	95
67) Atrazine	16.77	200	132756	20.88	ng/ul	95
68) Pentachlorophenol	16.96	266	86919	20.48	ng/ul	97
69) Phenanthrene	17.36	178	581664m	21.51	ng/ul	97
71) Anthracene	17.45	178	595462	21.53	ng/ul	98
72) Carbazole	17.72	167	516880	21.31	ng/ul	99
73) Di-n-butylphthalate	18.27	149	624411	21.40	ng/ul#	95
74) Fluoranthene	19.37	202	744090	21.18	ng/ul#	95
77) Pyrene	19.73	202	769195	22.39	ng/ul#	92
78) Butylbenzylphthalate	20.62	149	275209	21.51	ng/ul#	81
79) 3,3'-Dichlorobenzidine	21.40	252	268656	22.44	ng/ul	99
80) Benzo(a)anthracene	21.47	228	755997	21.95	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.39	149	371471	20.90	ng/ul	97
82) Chrysene	21.52	228	696967	21.77	ng/ul	96
84) Di-n-octyl phthalate	22.30	149	614018	19.48	ng/ul#	82
85) Benzo(b)fluoranthene	23.13	252	685246	21.72	ng/ul#	97
86) Benzo(k)fluoranthene	23.18	252	623937	20.82	ng/ul#	95
88) Benzo(a)pyrene	23.74	252	617579	21.33	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.26	276	630187	21.68	ng/ul#	91
90) Dibenzo(a,h)anthracene	26.27	278	543709	21.61	ng/ul#	96
91) Benzo(g,h,i)perylene	27.01	276	523234	22.14	ng/ul#	93

SJ 1/27/17

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