

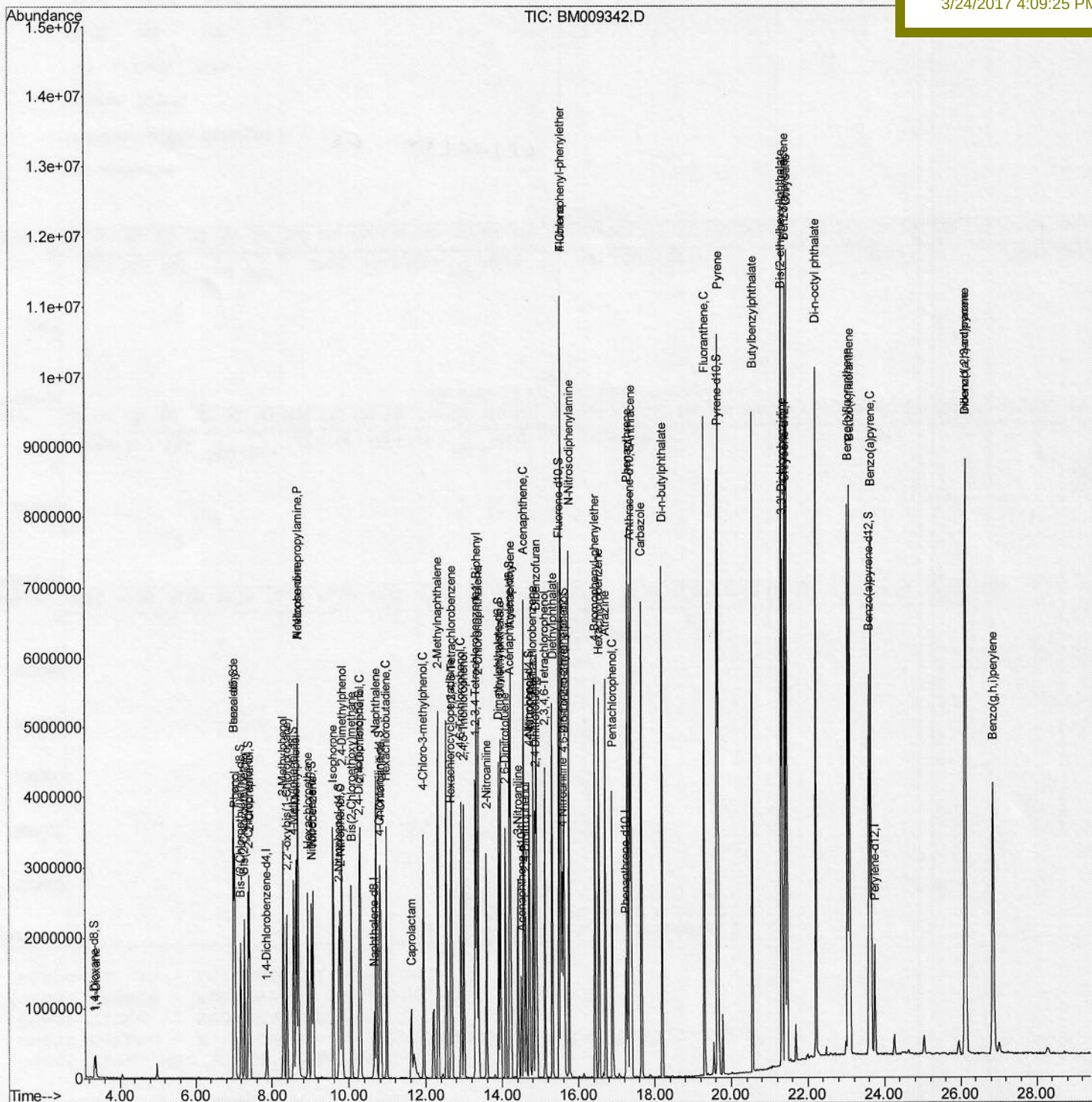
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Data Path : Z:\HPCHEM1\BNA M\Data\BM032317\  
Data File : BM009342.D  
Acq On    : 23 Mar 2017   14:14  
Operator   : SJ/MA  
Sample     : SSTD08055  
Misc      :  
ALS Vial   : 7      Sample Multiplier: 1
```

Quant Time: Mar 23 14:50:47 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 23 14:28:17 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD08055

Manual Integrations APPROVED

mohammad
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Data Path : Z:\HPCHEM1\BNA M\Data\BM032317\
 Data File : BM009342.D
 Acq On : 23 Mar 2017 14:14
 Operator : SJ/MA
 Sample : SST08055
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sampled :
 SST08055

Manual Integrations
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Quant Time: Mar 23 14:50:47 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032317MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 23 14:28:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.69	216	1306992	91.51	ng/ul	98
37) Hexachlorocyclopentadiene	12.66	237	840416	104.07	ng/ul	99
38) 2,4,6-Trichlorophenol	12.93	196	804752	88.86	ng/ul	99
39) 2,4,5-Trichlorophenol	13.00	196	862097	83.10	ng/ul	98
40) 1,1'-Biphenyl	13.33	154	2880827	86.59	ng/ul#	96
41) 2-Chloronaphthalene	13.38	162	2226966	86.49	ng/ul	96
42) 2-Nitroaniline	13.59	65	897341	84.84	ng/ul#	64
44) Dimethylphthalate	13.96	163	2726452	75.37	ng/ul	99
45) 2,6-Dinitrotoluene	14.09	165	577991	83.05	ng/ul#	82
47) Acenaphthylene	14.23	152	3492378	84.11	ng/ul	100
48) 3-Nitroaniline	14.42	138	523695	70.66	ng/ul#	75
49) Acenaphthene	14.57	153	2404846	82.33	ng/ul	99
50) 2,4-Dinitrophenol	14.63	184	392766	86.08	ng/ul#	85
52) 4-Nitrophenol	14.72	109	586854	70.16	ng/ul#	72
53) Dibenzofuran	14.90	168	3415050	79.32	ng/ul	96
54) 2,4-Dinitrotoluene	14.87	165	850471	79.32	ng/ul#	64
55) 2,3,4,6-Tetrachlorophenol	15.13	232	797522	80.09	ng/ul	92
56) Diethylphthalate	15.33	149	2825099	74.58	ng/ul	98
58) Fluorene	15.56	166	2887307	77.72	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.55	204	1513414	79.28	ng/ul#	88
60) 4-Nitroaniline	15.59	138	537374	63.86	ng/ul#	68
63) 4,6-Dinitro-2-methylphenol	15.64	198	557038	92.10	ng/ul#	85
64) N-Nitrosodiphenylamine	15.76	169	2441763	90.27	ng/ul	99
65) 4-Bromophenyl-phenylether	16.44	248	920899	88.56	ng/ul	92
66) Hexachlorobenzene	16.55	284	1011170	87.41	ng/ul	94
67) Atrazine	16.72	200	932700	82.47	ng/ul	93
68) Pentachlorophenol	16.90	266	645384	84.92	ng/ul	97
69) Phenanthrene	17.30	178	4514159m	84.27	ng/ul	99
71) Anthracene	17.39	178	4662006	85.34	ng/ul	99
72) 1,2,3,4-Tetrachlorobenzene	13.30	216	1185563	104.84	ng/uL	99
73) Pentachlorobenzene	14.82	250	1144337	94.24	ng/uL	98
74) Carbazole	17.66	167	4091693	80.24	ng/ul	98
75) Di-n-butylphthalate	18.21	149	4878279	83.01	ng/ul#	98
76) Fluoranthene	19.31	202	5460446	80.87	ng/ul	97
79) Pvrene	19.67	202	5693216	91.64	ng/ul	97
80) Butylbenzylphthalate	20.56	149	2274946	91.11	ng/ul#	80
81) 3,3'-Dichlorobenzidine	21.34	252	1931163	85.26	ng/ul	99
82) Benzo(a)anthracene	21.42	228	5778833	84.54	ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.32	149	3323085	85.50	ng/ul#	98
84) Chrysene	21.47	228	5421010	84.09	ng/ul	99
86) Di-n-octyl phthalate	22.22	149	5773850	95.04	ng/ul#	86
87) Benzo(b)fluoranthene	23.05	252	5736080	85.91	ng/ul#	97
88) Benzo(k)fluoranthene	23.10	252	5514352	86.40	ng/ul#	98
90) Benzo(a)pyrene	23.66	252	5513235	84.94	ng/ul#	97
91) Indeno(1,2,3-cd)pyrene	26.14	276	6327224	81.27	ng/ul#	92
92) Dibenzo(a,h)anthracene	26.15	278	5397166	81.96	ng/ul#	94
93) Benzo(g,h,i)perylene	26.87	276	5164354	80.14	ng/ul#	92

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	174602	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	696838	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	474895	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.25	188	962566m	20.00	ng/ul	0.00
77) Chrysene-d12	21.43	240	1195849	20.00	ng/ul	0.00
85) Perylene-d12	23.76	264	1129721	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	139156	35.10	ng/uL	0.00
5) Phenol-d5	7.02	99	1288961	68.24	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	7.19	67	912932m	74.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	922891	79.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	992166	65.84	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	448747	90.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	510230	92.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	975515	82.68	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	1025347	72.87	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	2762127	76.58	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	3502212	84.44	ng/ul	0.00
51) 4-Nitrophenol-d4	14.71	143	510747	71.33	ng/ul	0.01
57) Fluorene-d10	15.50	176	2495026	77.53	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	533733	92.68	ng/ul	0.00
70) Anthracene-d10	17.35	188	3916703	85.98	ng/ul	0.00
78) Pyrene-d10	19.64	212	4419311	91.56	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.62	264	4398871	85.11	ng/ul	0.01

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.36	88	154481	36.73	ng/uL#	70
4) Benzaldehyde	7.01	77	870988	68.81	ng/ul	83
6) Phenol	7.05	94	1380088	68.42	ng/ul#	80
8) Bis(2-Chloroethyl) ether	7.29	93	1068193	73.94	ng/ul#	79
10) 2-Chlorophenol	7.42	128	940319	78.99	ng/ul#	73
11) 2-Methylphenol	8.30	108	965628	66.08	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.39	45	1735996	72.13	ng/ul#	86
14) Acetophenone	8.69	105	1647214	65.08	ng/ul#	75
15) N-Nitroso-di-n-propylamine	8.68	70	995463	64.15	ng/ul#	78
16) 4-Methylphenol	8.63	108	1050173	63.39	ng/ul	99
17) Hexachloroethane	8.93	117	450838	86.50	ng/ul	94
20) Nitrobenzene	9.08	77	1452468	87.53	ng/ul#	82
21) Isophorone	9.59	82	2500147	76.17	ng/ul#	91
23) 2-Nitrophenol	9.78	139	529492	88.05	ng/ul#	63
24) 2,4-Dimethylphenol	9.83	107	1249638	80.98	ng/ul	91
25) Bis(2-Chloroethoxy)methane	10.07	93	1395028	77.52	ng/ul#	97
27) 2,4-Dichlorophenol	10.30	162	973109	83.32	ng/ul	96
28) Naphthalene	10.71	128	2955249	82.70	ng/ul	100
30) 4-Chloroaniline	10.83	127	1074157	72.04	ng/ul	99
31) Hexachlorobutadiene	10.98	225	710988	88.31	ng/ul	98
32) Caprolactam	11.62	113	296131m	60.71	ng/ul	92
33) 4-Chloro-3-methylphenol	11.95	107	1095012	71.44	ng/ul	99
34) 2-Methylnaphthalene	12.32	142	2170690	76.30	ng/ul	99

Quantitation Report (Qedit)

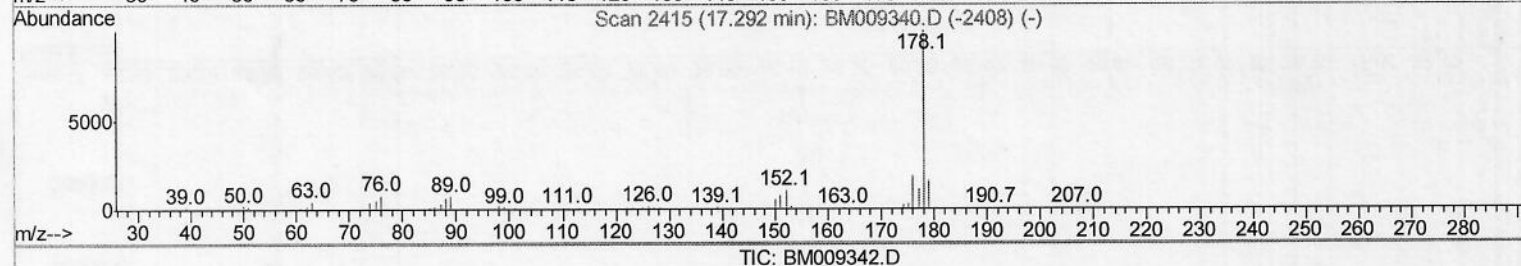
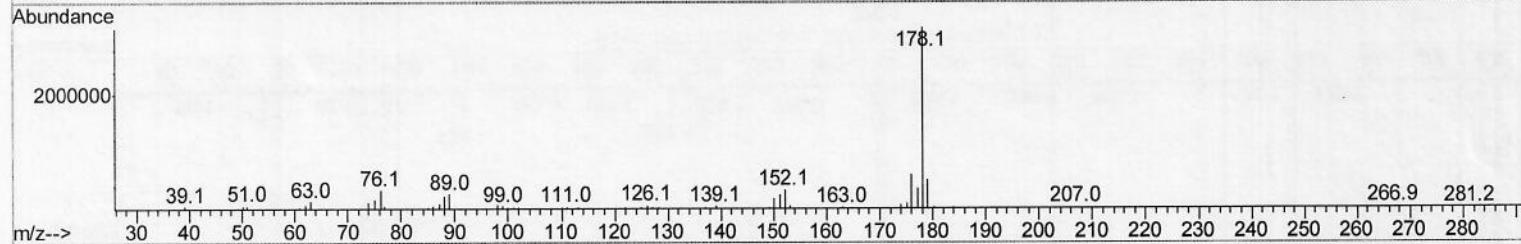
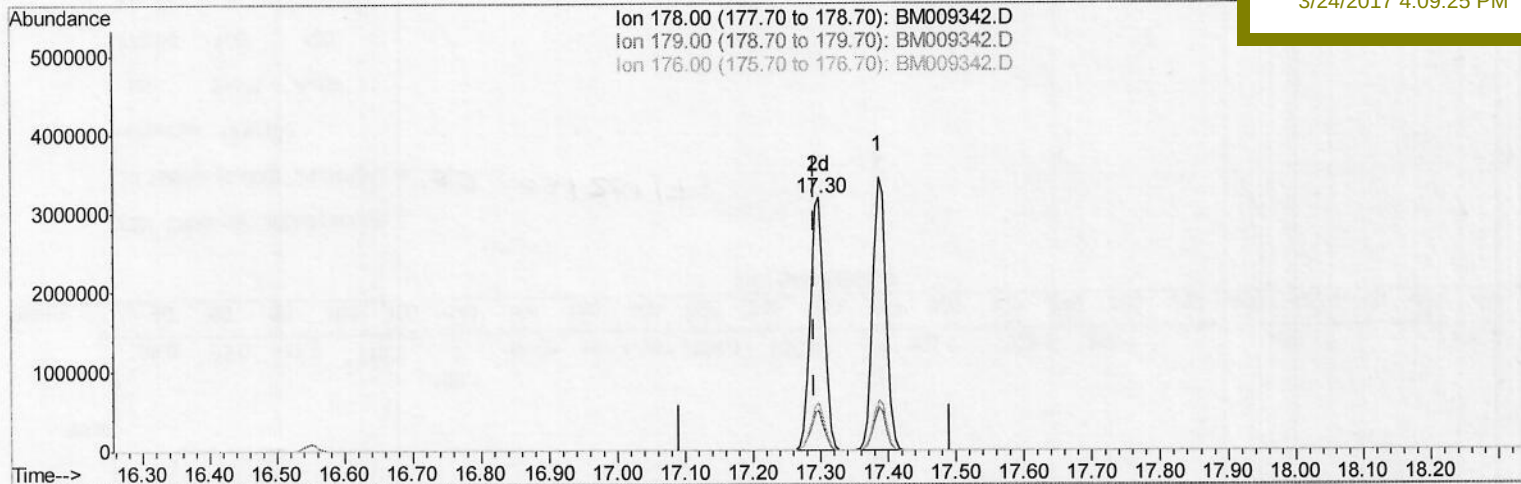
Data Path : Z:\HPCHEM1\BNA M\Data\BM032317\
 Data File : BM009342.D
 Acq On : 23 Mar 2017 14:14
 Operator : SJ/MA
 Sample : SST08055
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 SST08055

Quant Time: Mar 23 14:50:10 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032317MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 23 14:28:17 2017
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Manual Integrations
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(69) Phenanthrene

17.298min (+0.006) 84.27ng/ul m

response 4514159

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.60
176.00	19.50	18.76
0.00	0.00	0.00

SJ
 03/27/2017

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM032317\
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Instrument :

BNA_M

ClientSampleId :

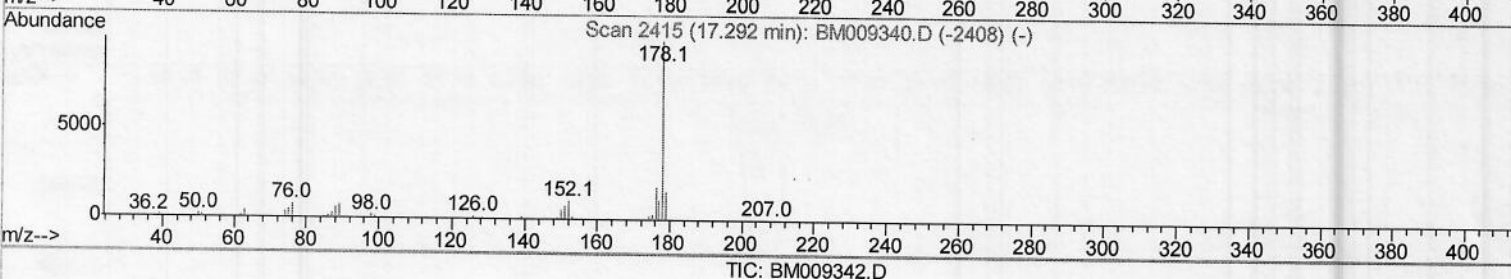
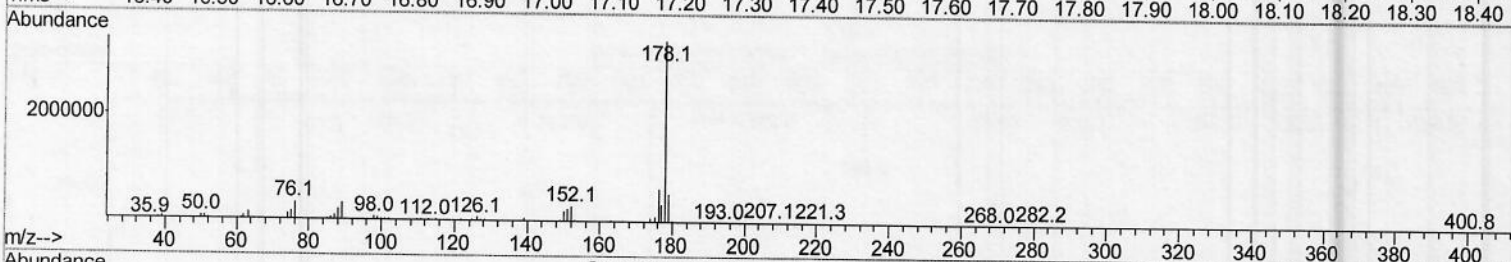
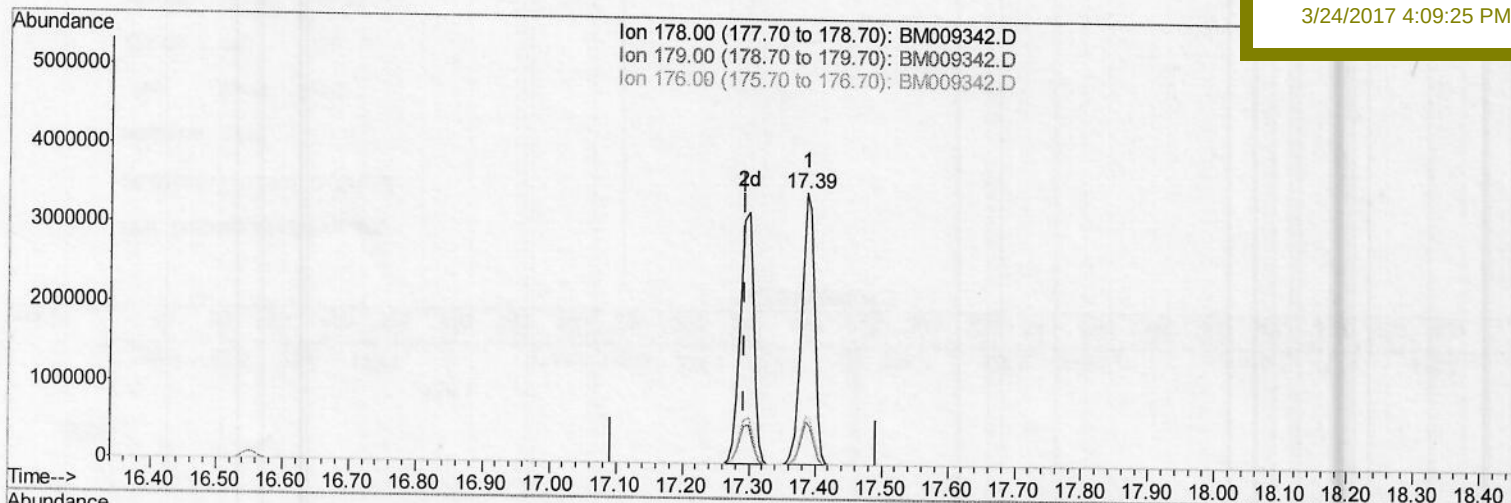
SSTD08055

Manual Integrations

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3/24/2017 4:09:25 PM



(69) Phenanthrene

17.386min (+0.095) 87.06ng/ul

response 4663767

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.85
176.00	19.50	18.28
0.00	0.00	0.00

Quantitation Report (Qedit)

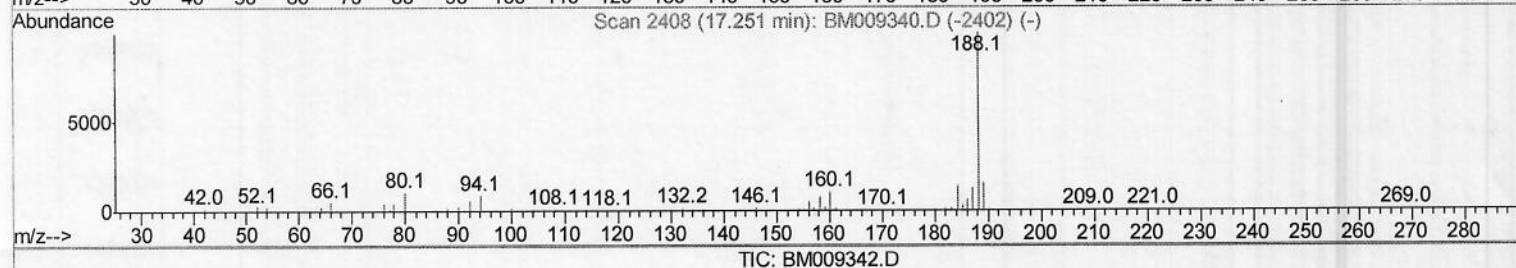
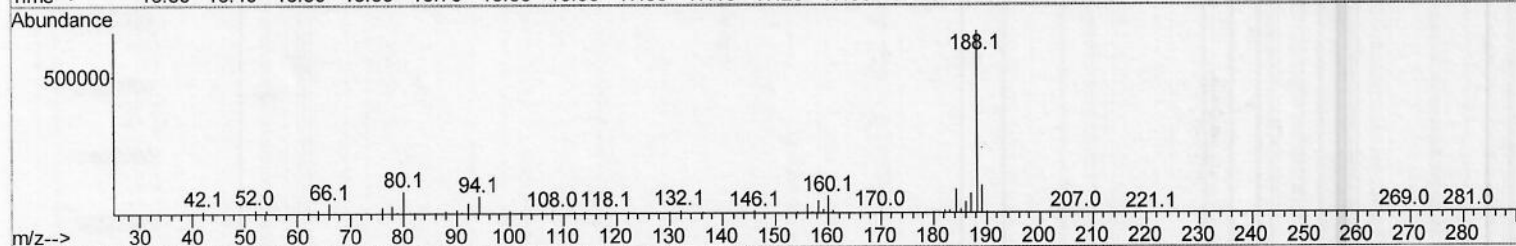
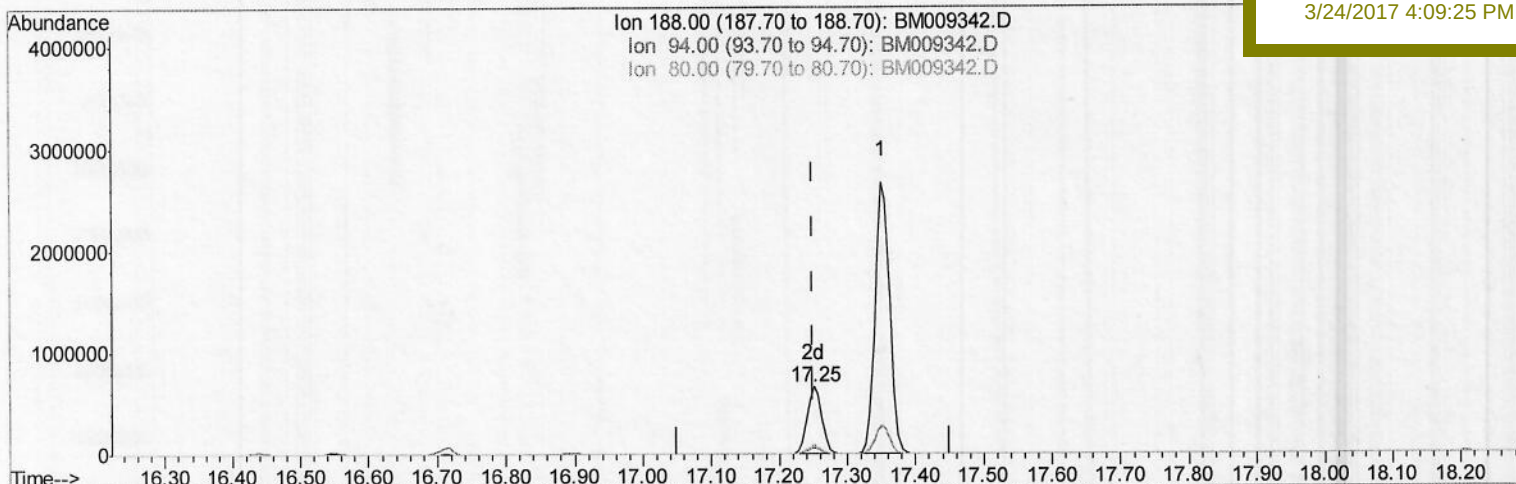
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 Data File : BM009342.D
 Acq On : 23 Mar 2017 14:14
 Operator : SJ/MA
 Sample : SST08055
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 23 14:46:43 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032317MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 23 14:28:17 2017
 Response via : Initial Calibration

Instrument :
 BNA_M
ClientSampleId :
 SST08055

Manual Integrations
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(61) Phenanthrene-d10 (I)

17.251min (+0.000) 20.00ng/ul m

response 962566

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	9.64
80.00	9.70	12.15#
0.00	0.00	0.00

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Quantitation Report (Qedit)

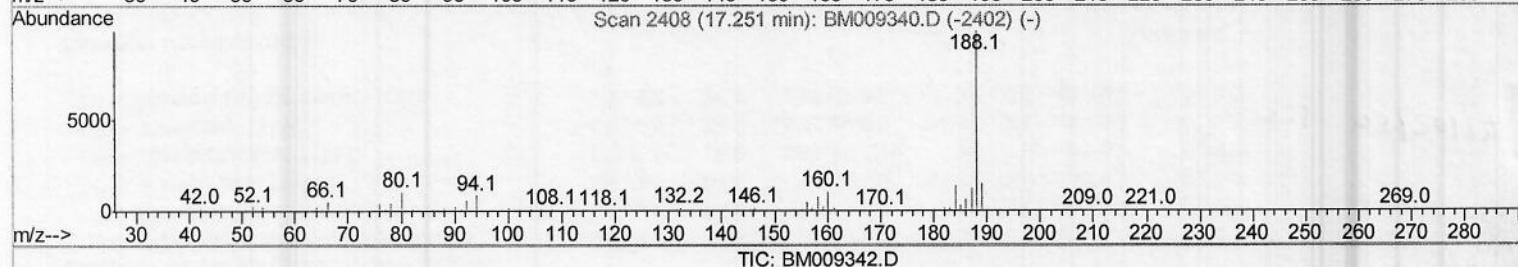
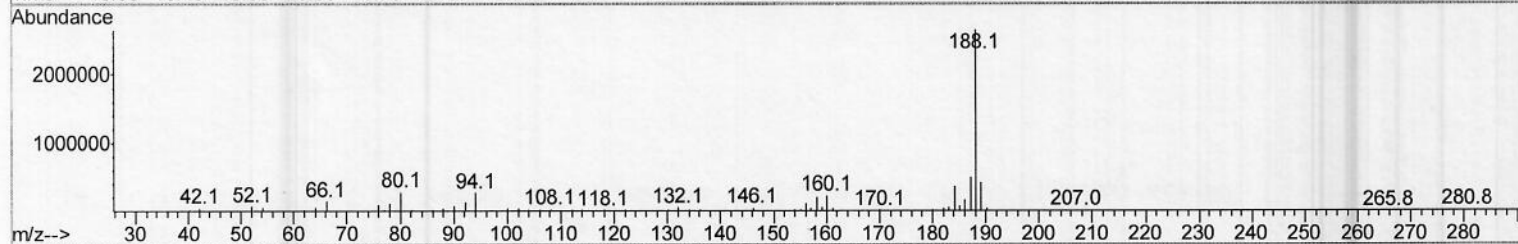
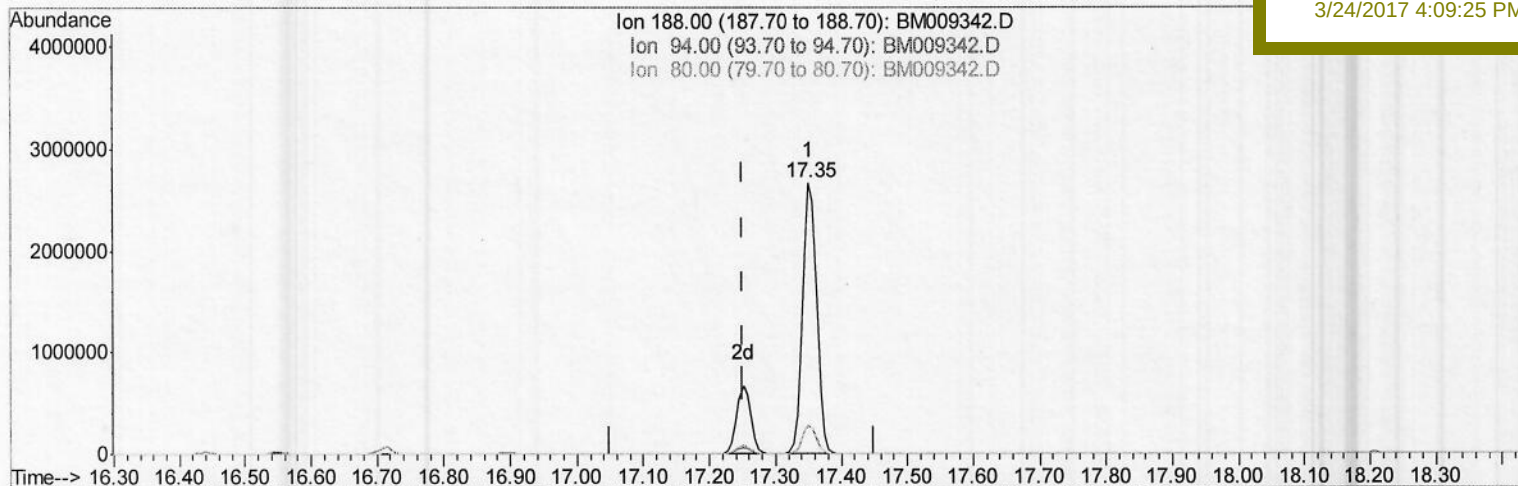
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 Data File : BM009342.D
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 Sample : SSTD08055
 Misc :
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Ouant Time: Mar 23 14:46:43 2017
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Manual Integrations
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(61) Phenanthrene-d10 (I)
 17.351min (+0.100) 20.00ng/ul
 response 3916602

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	10.12
80.00	9.70	10.59
0.00	0.00	0.00

Quantitation Report (Qedit)

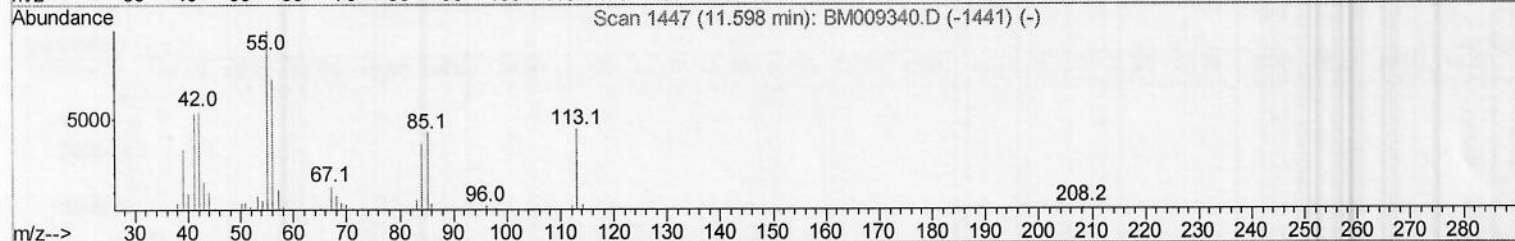
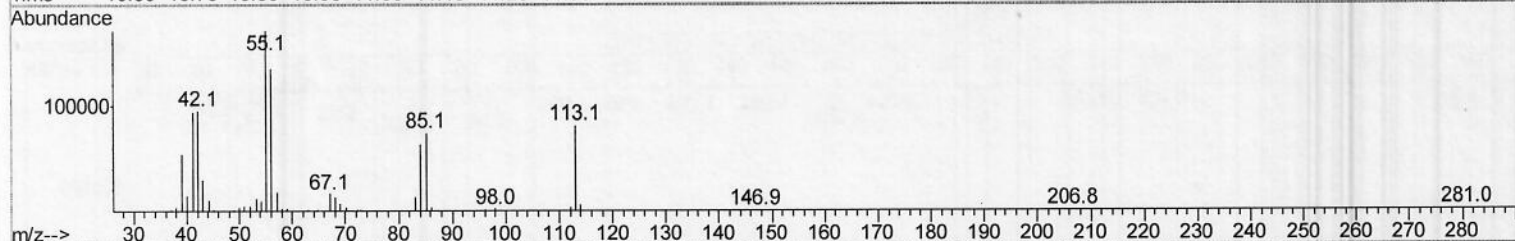
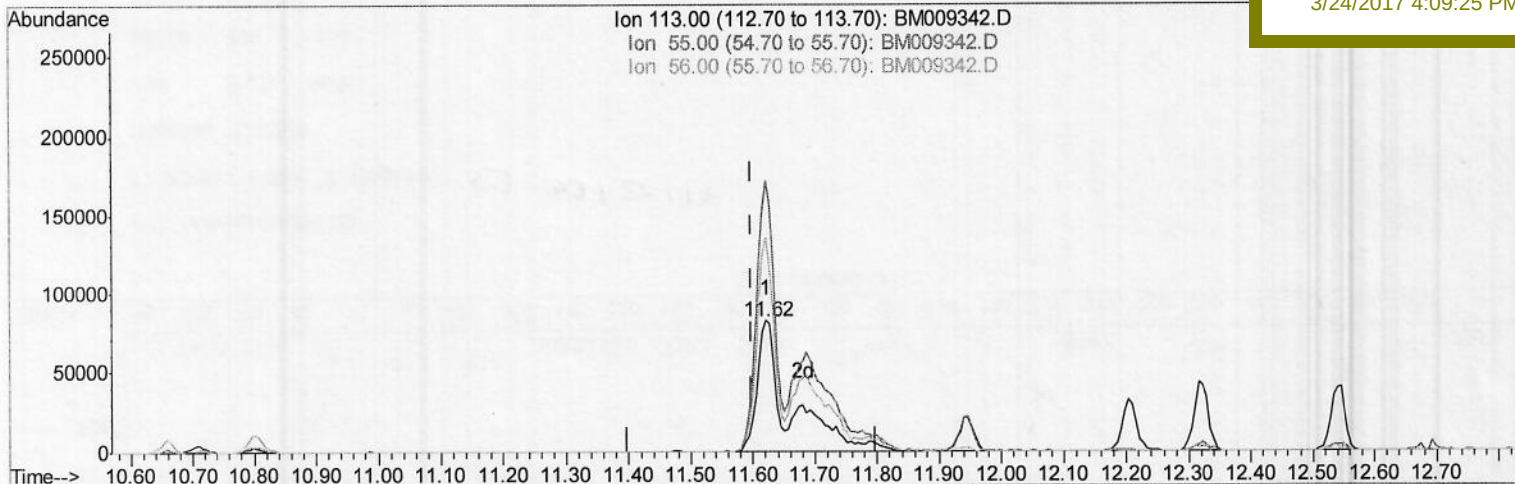
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 Sample : SST08055
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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TIC: BM009342.D

(32) Caprolactam

11.622min (+0.024) 60.71ng/ul m } SJ
 response 296131 03/27/2017

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	210.42#
56.00	101.50	165.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

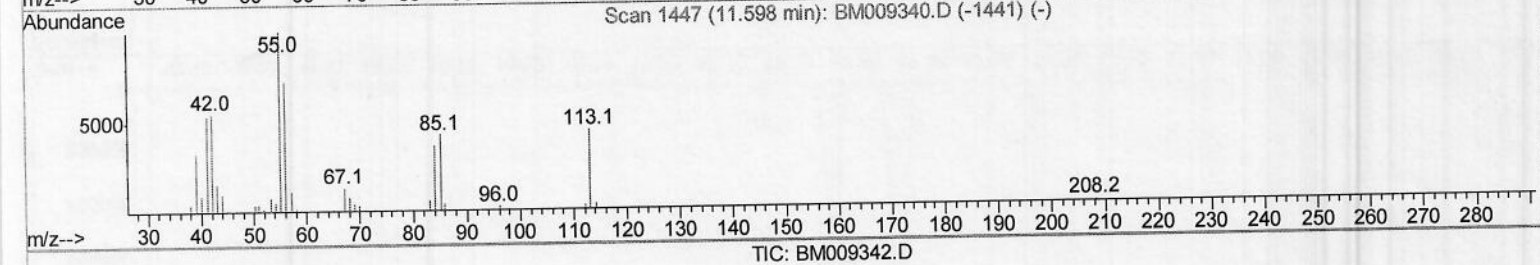
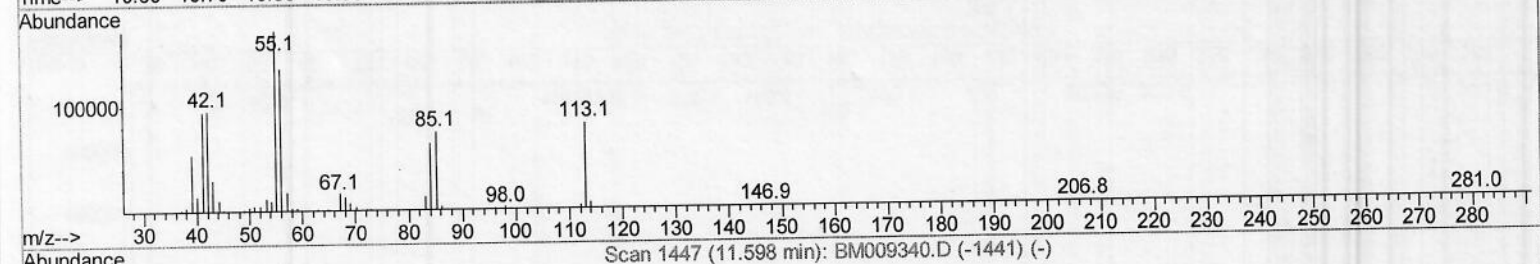
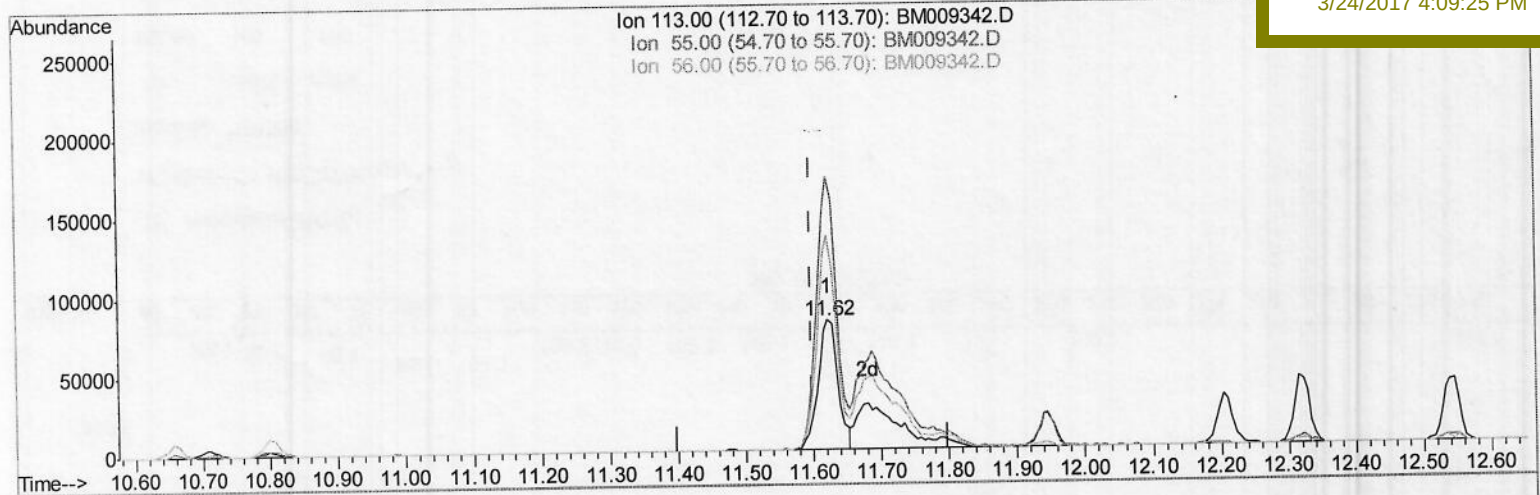
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Manual Integrations
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(32) Caprolactam
 11.622min (+0.024) 33.88ng/ul
 response 165283

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	210.42#
56.00	101.50	165.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

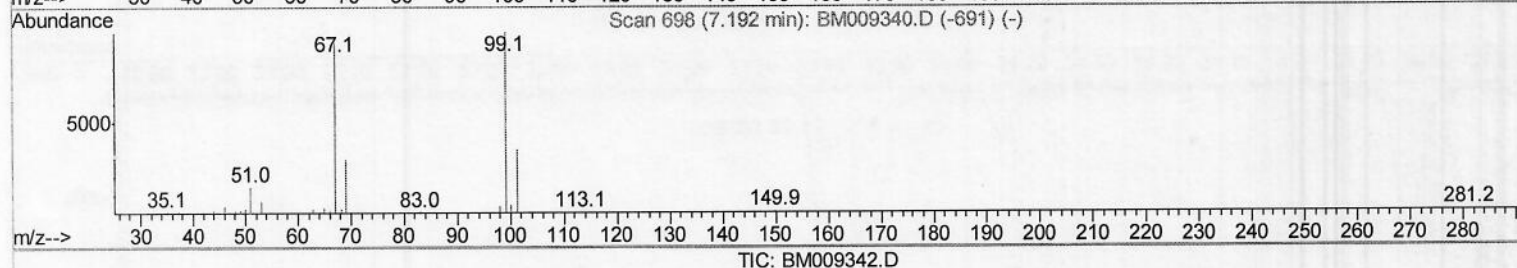
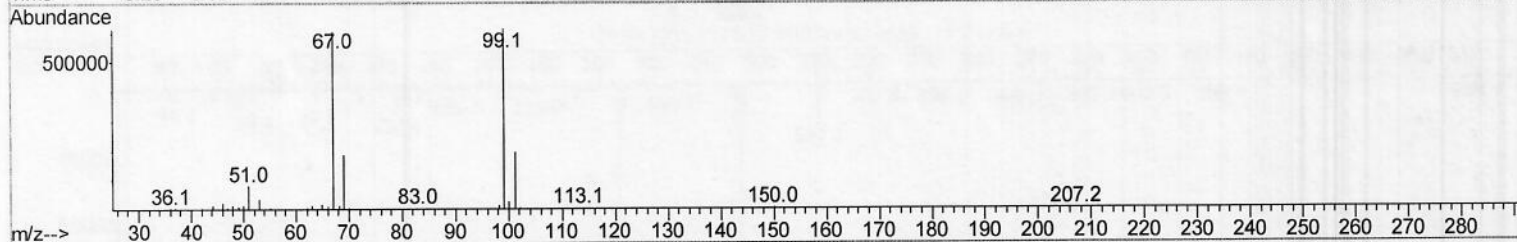
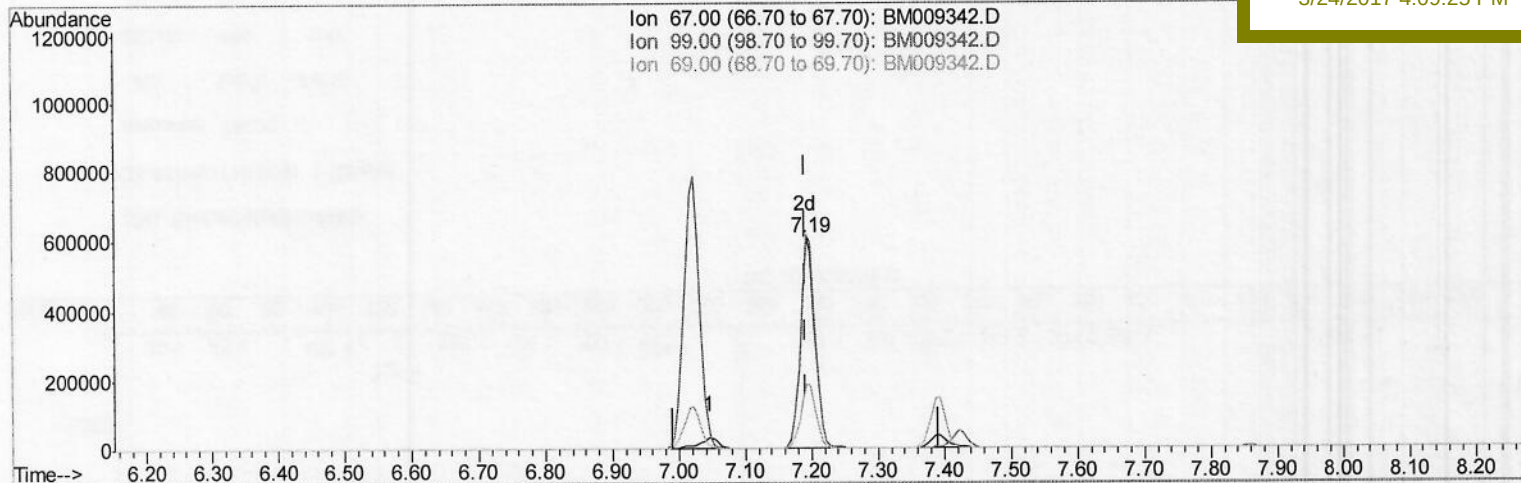
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Manual Integrations
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(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.193min (+0.000) 74.21ng/ul m > 55

response 912932

03/27/2017

Ion	Exp%	Act%
67.00	100	100
99.00	135.60	101.70#
69.00	32.50	30.48
0.00	0.00	0.00

Quantitation Report (Qedit)

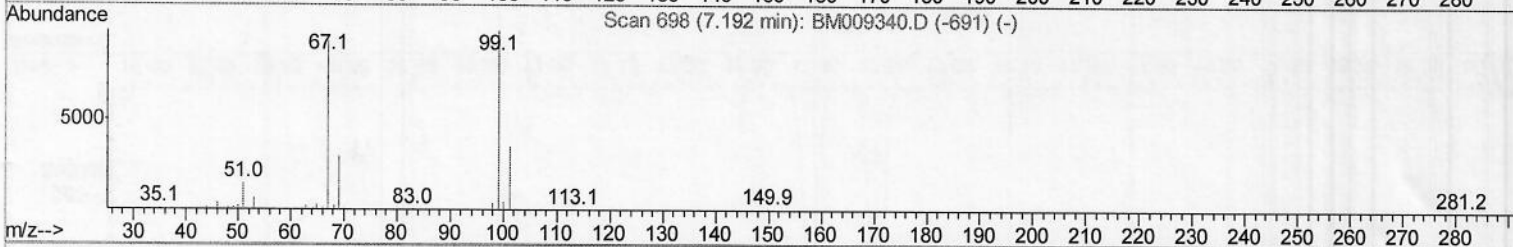
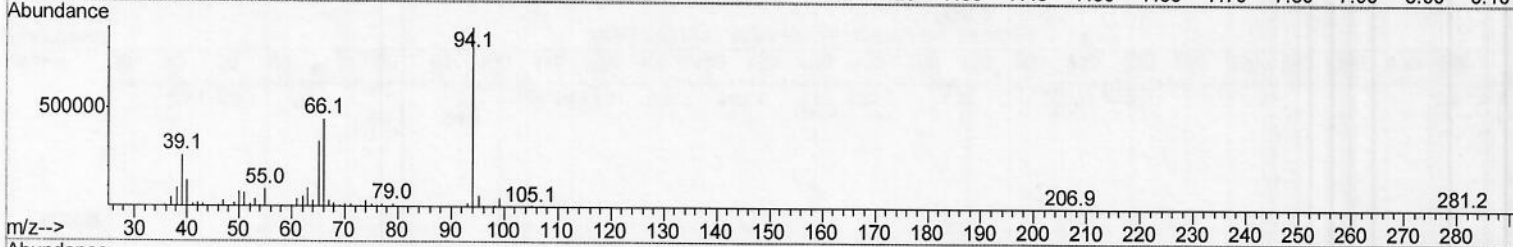
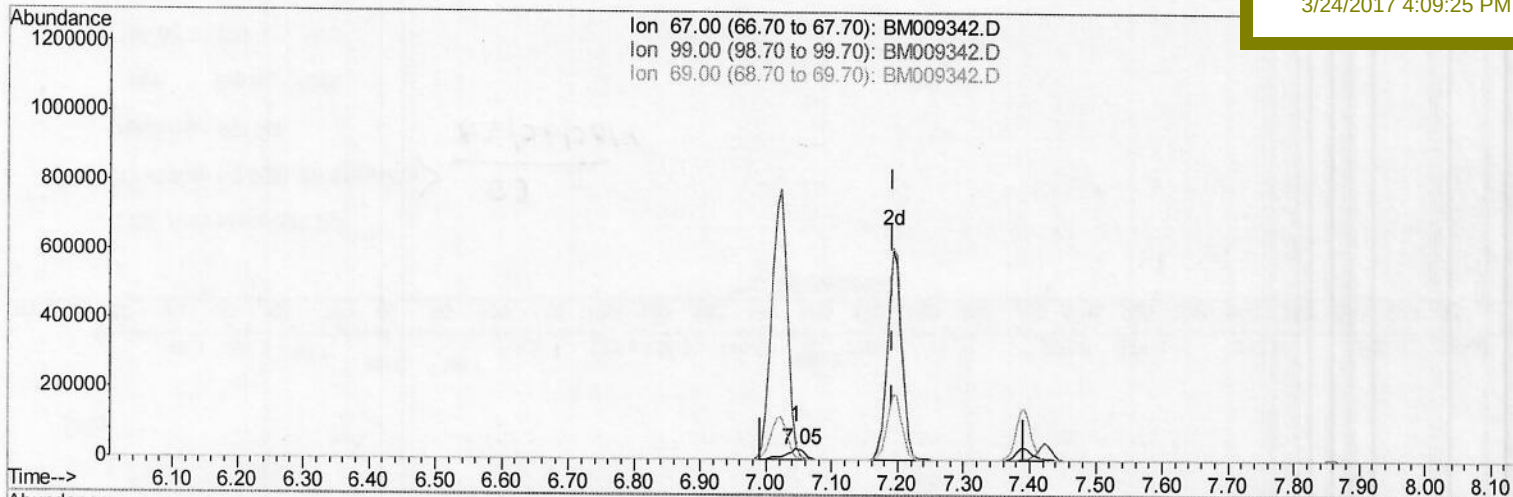
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 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 23 14:46:43 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM032317MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 23 14:28:17 2017
 Response via : Initial Calibration

Instrument :
 BNA_M
ClientSampleId :
 SSTD08055

Manual Integrations
APPROVED

mohammad
 3/24/2017 4:09:25 PM



TIC: BM009342.D

(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.046min (-0.147) 4.57ng/ul

response 56276

Ion	Exp%	Act%
67.00	100	100
99.00	135.60	138.15
69.00	32.50	28.53
0.00	0.00	0.00