

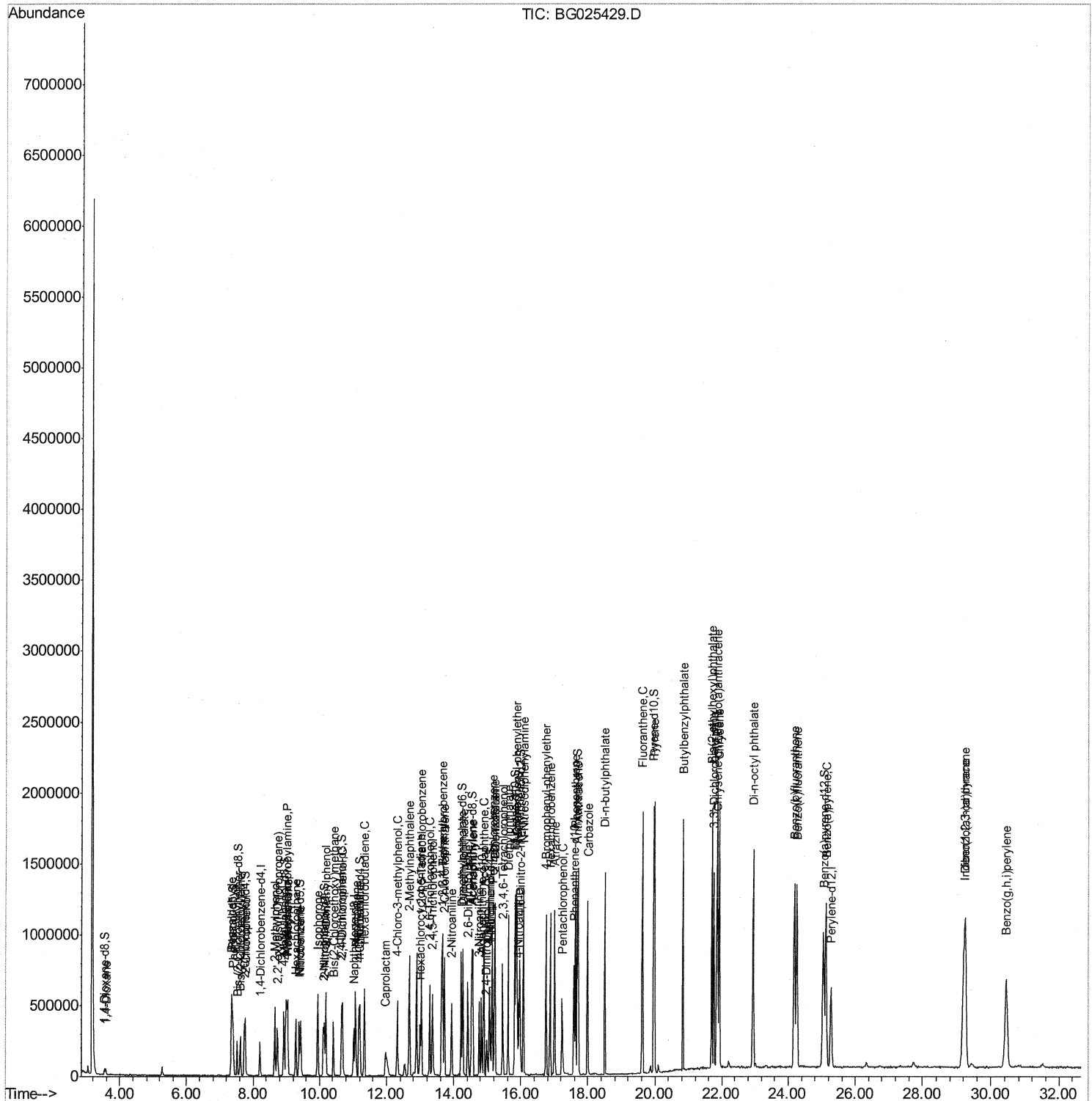
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Data Path   : Z:\HPCHEM1\BNA G\DATA\BG010417\  
Data File  : BG025429.D  
Acq On     : 4 Jan 2017 12:19  
Operator   : UM/SJ  
Sample     : SSTD04031  
Misc       :  
ALS Vial   : 5      Sample Multiplier: 1
```

Instrument :
BNA_G
ClientSampleId :
SSTD04031

Manual Integrations

Sohil
1/13/2017 11:57:40 AM

Quant Time: Jan 12 12:22:45 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 12 12:00:59 2017
Response via : Initial Calibration



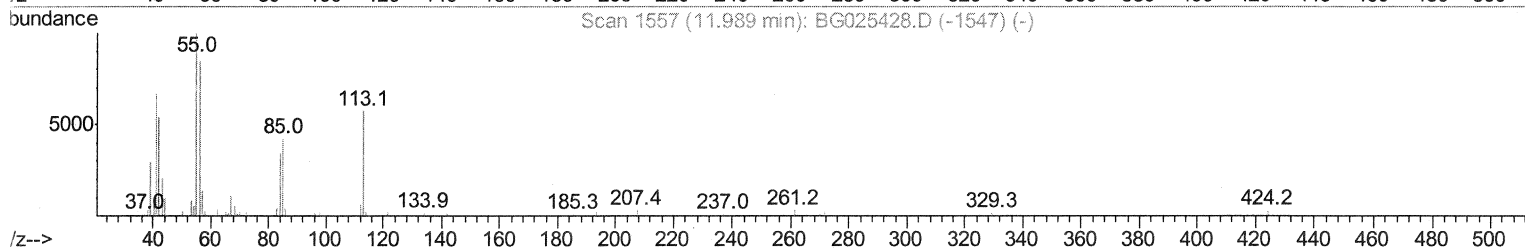
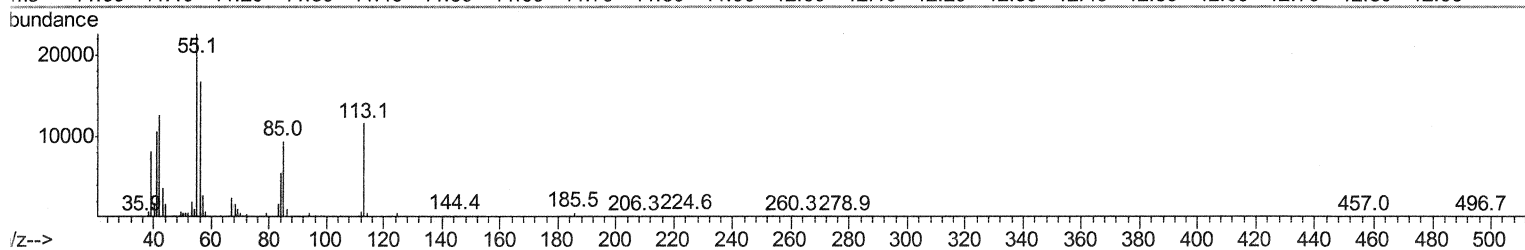
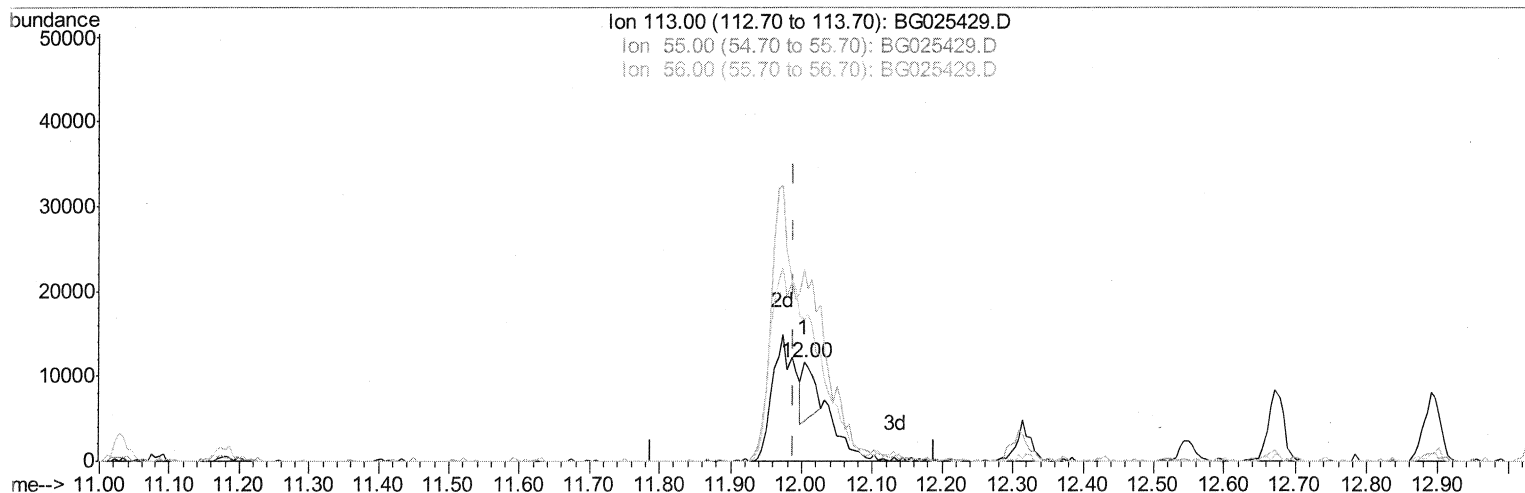
Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SST04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD04031

Manual Integrations
APPROVED

Sohil
1/13/2017 11:57:40 AM

Quant Time: Jan 12 12:06:21 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 12 12:00:59 2017
Response via : Initial Calibration



TIC: BG025429.D

(32) Caprolactam

12.003min (+0.014) 6.79ng/ul

response 7735

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	194.18#
56.00	101.50	144.12#
0.00	0.00	0.00

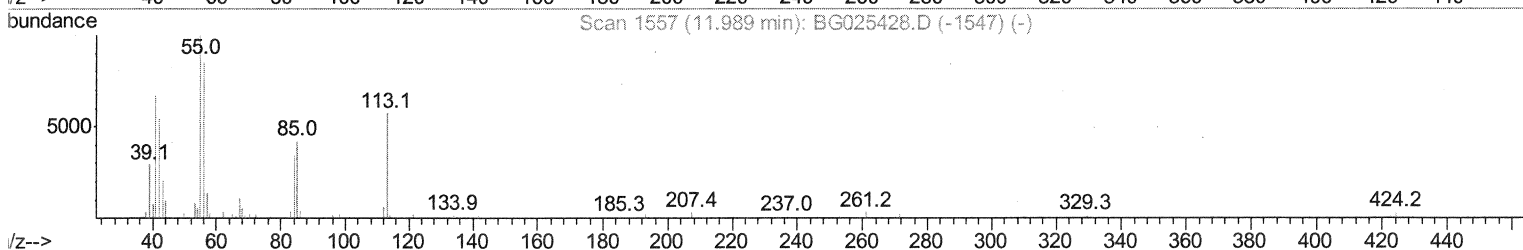
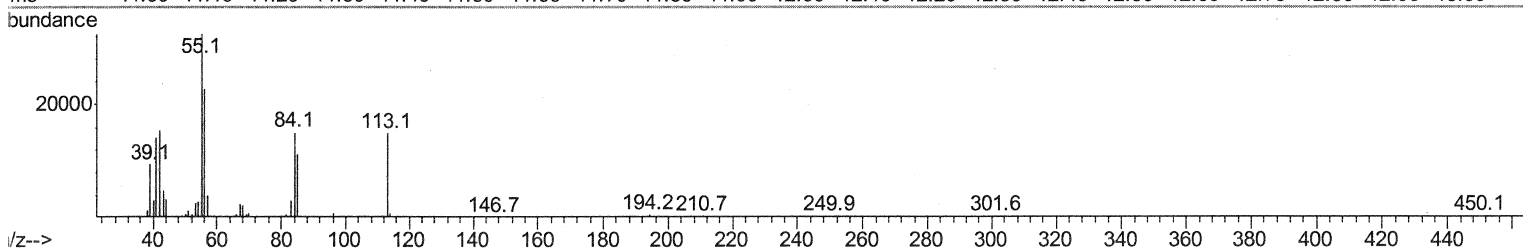
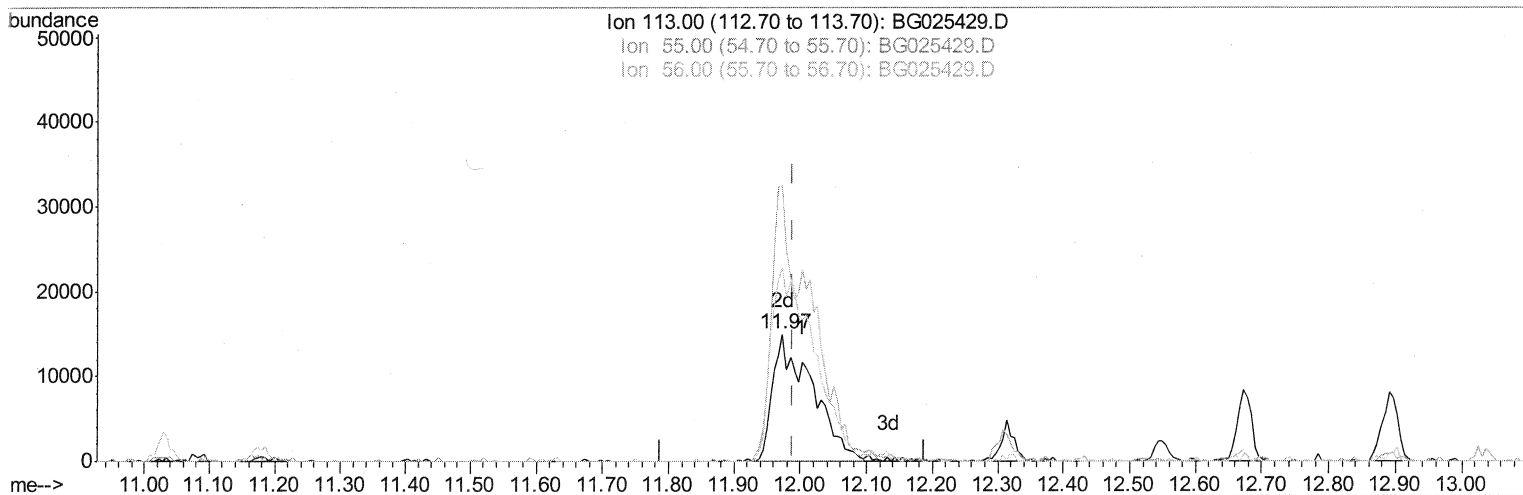
Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SST04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
SSTD04031

Manual Integrations
APPROVED

Sohil
1/13/2017 11:57:40 AM

Quant Time: Jan 12 12:06:21 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 12 12:00:59 2017
Response via : Initial Calibration



TIC: BG025429.D

(32) Caprolactam

11.973min (-0.015) 54.27ng/ul m

SJ 1/17/17

response 61861

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	217.07#
56.00	101.50	152.26#
0.00	0.00	0.00

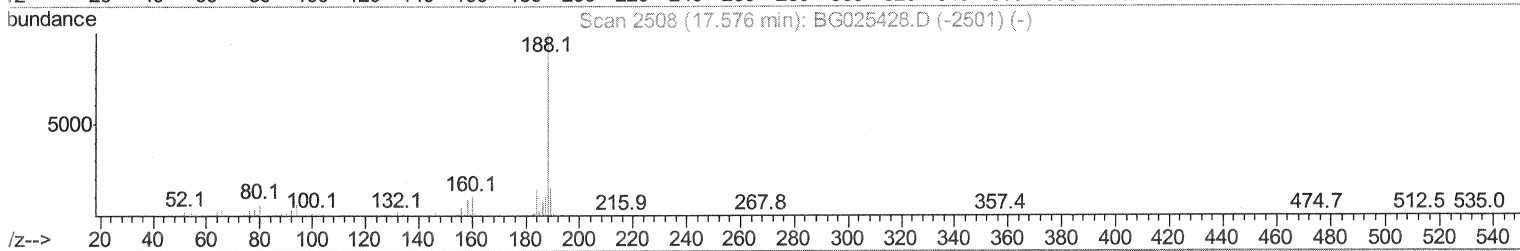
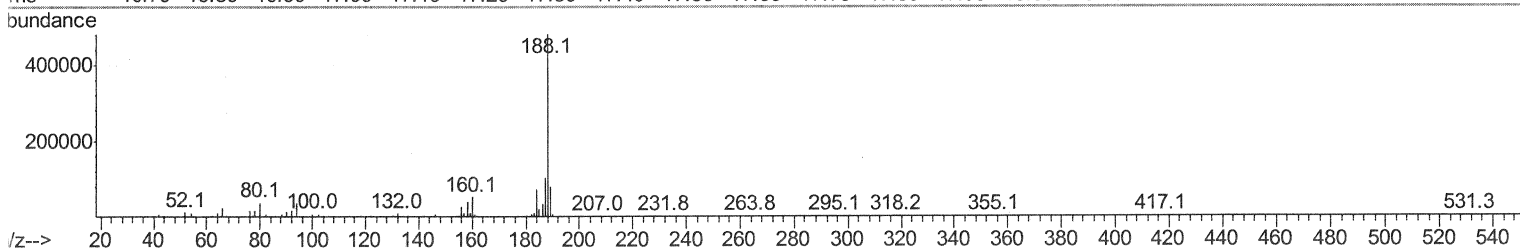
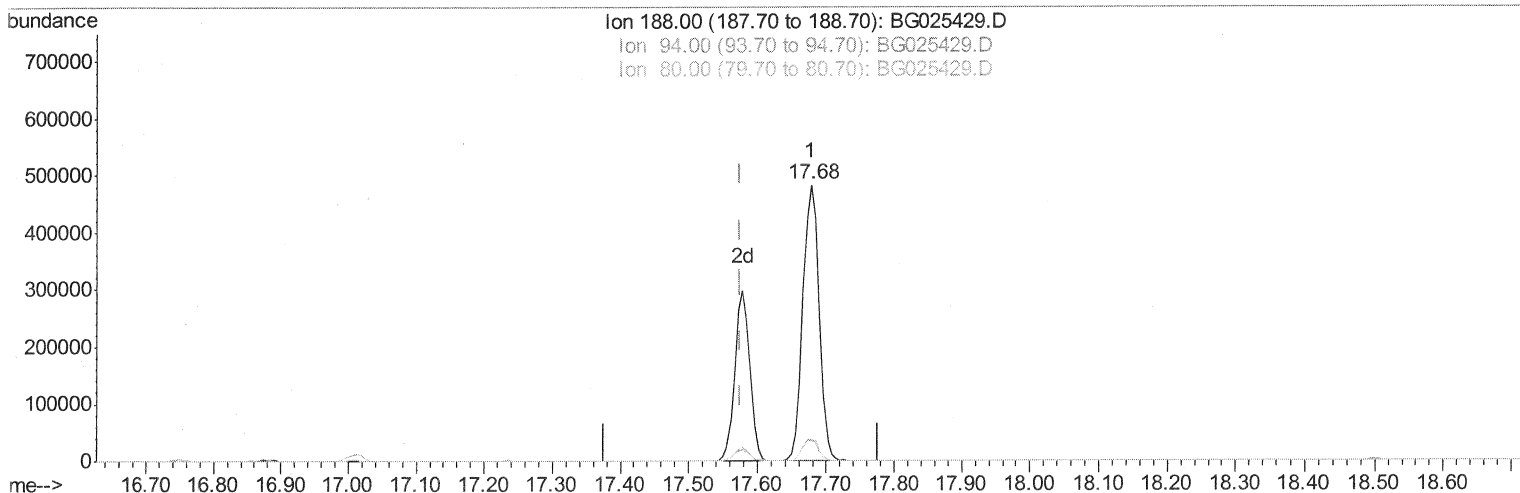
Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SST04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD04031

Manual Integrations
APPROVED

Sohil
1/13/2017 11:57:40 AM

Quant Time: Jan 12 12:06:21 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 12 12:00:59 2017
Response via : Initial Calibration



TIC: BG025429.D

(61) Phenanthrene-d10 (I)

17.679min (+0.102) 20.00ng/ul

response 791441

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	7.51
80.00	9.70	7.88
0.00	0.00	0.00

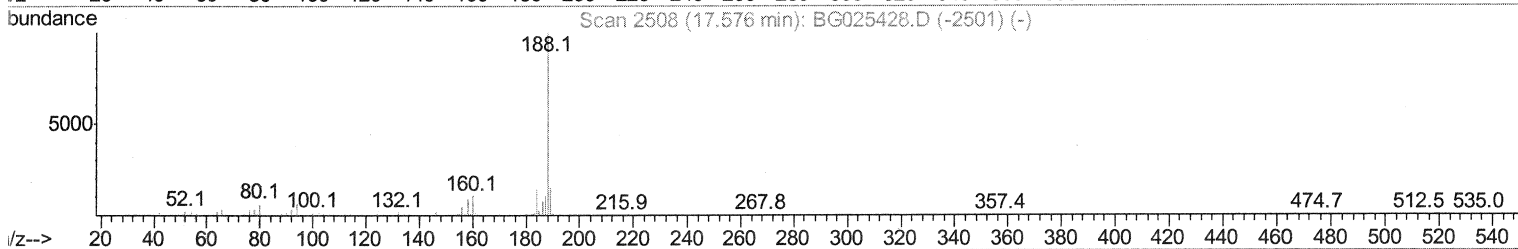
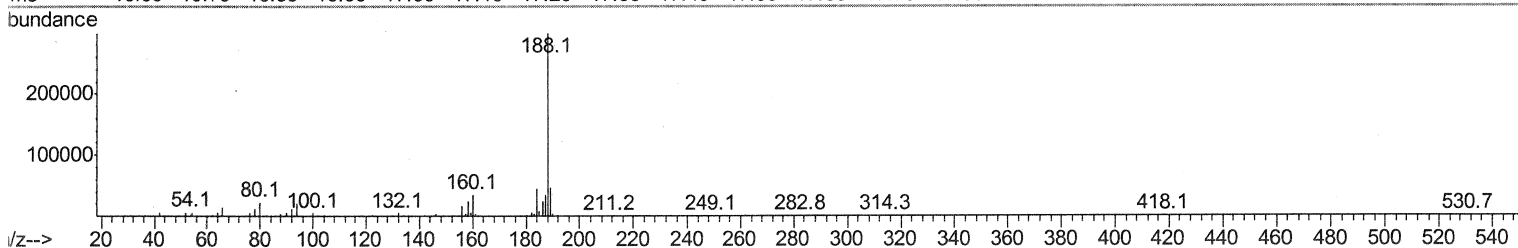
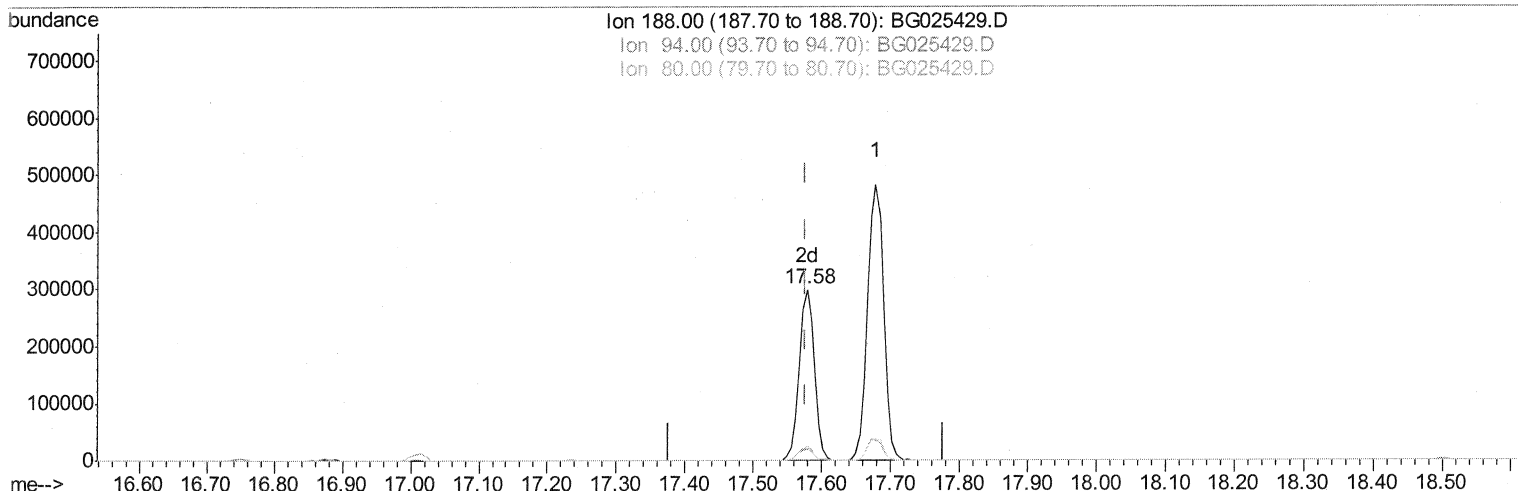
Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SST04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD04031

Manual Integrations
APPROVED

Sohil
1/13/2017 11:57:40 AM

Quant Time: Jan 12 12:20:59 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 12 12:00:59 2017
Response via : Initial Calibration



TIC: BG025429.D

(61) Phenanthrene-d10 (I)

17.579min (+0.002) 20.00ng/ul m

SJ 1/17/17

response 456996

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	6.96#
80.00	9.70	7.81
0.00	0.00	0.00

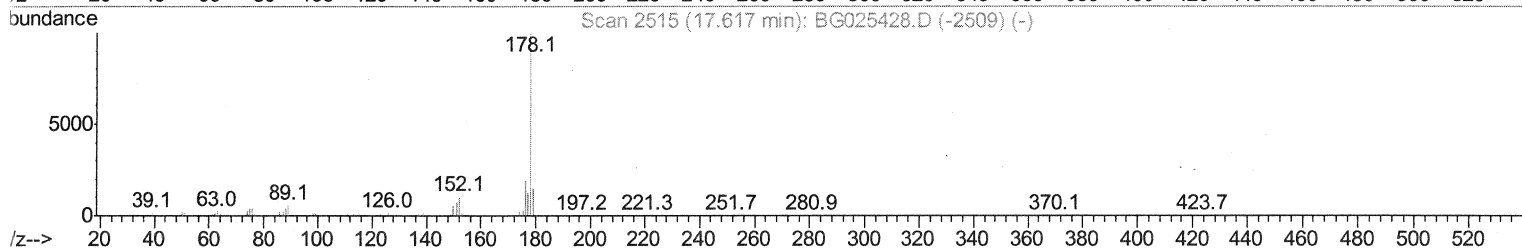
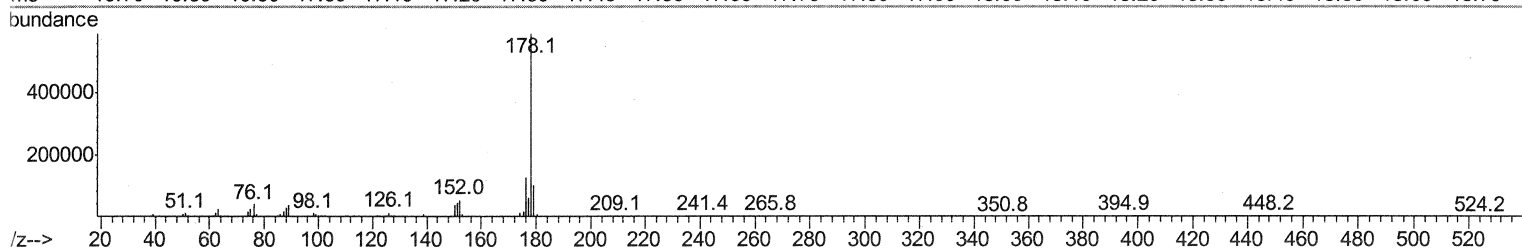
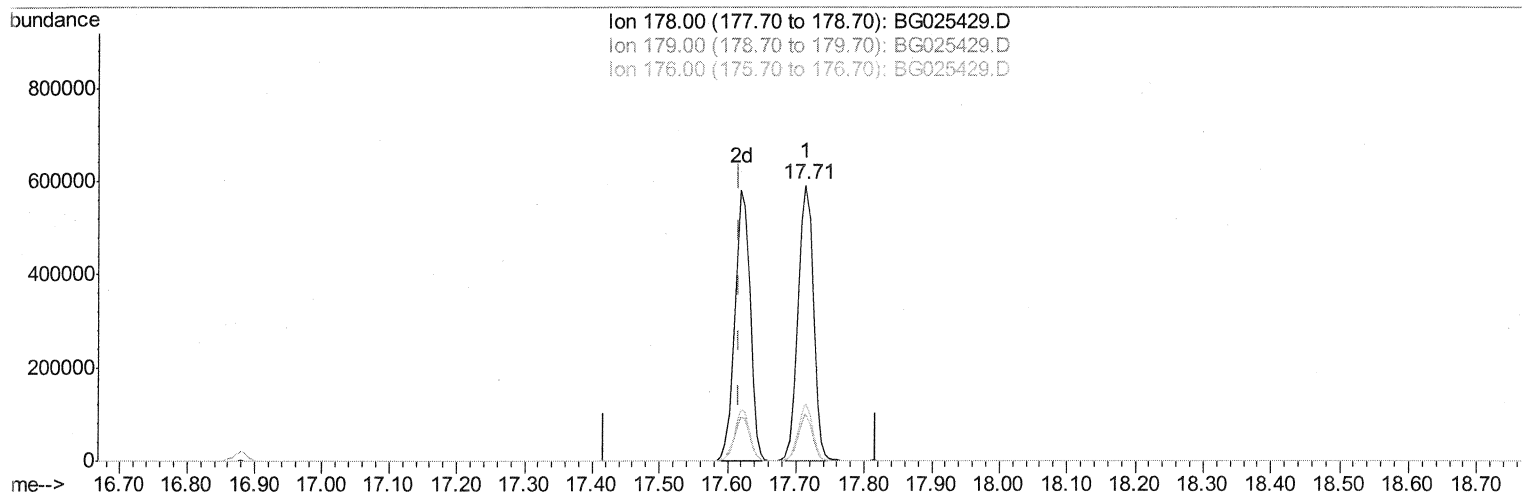
Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SST04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD04031

Manual Integrations
APPROVED

Sohil
1/13/2017 11:57:40 AM

Quant Time: Jan 12 12:20:59 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 12 12:00:59 2017
Response via : Initial Calibration



TIC: BG025429.D

(69) Phenanthrene

17.714min (+0.096) 39.26ng/ul

response 925062

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	17.49
176.00	19.50	21.05
0.00	0.00	0.00

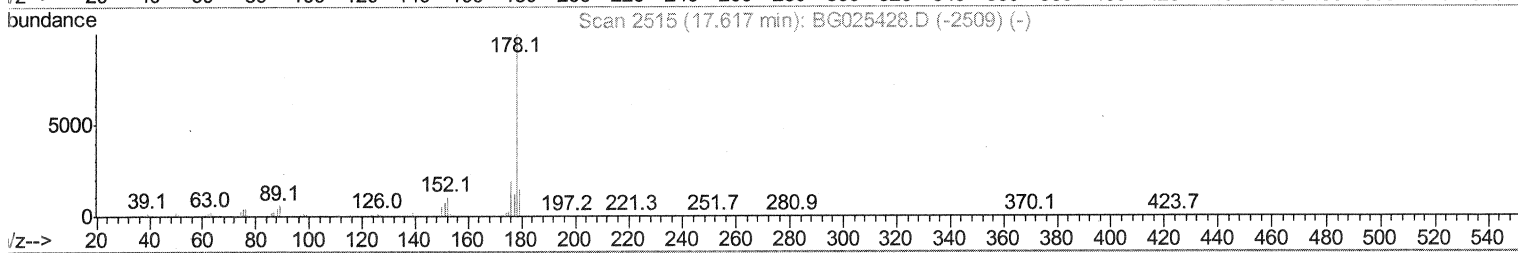
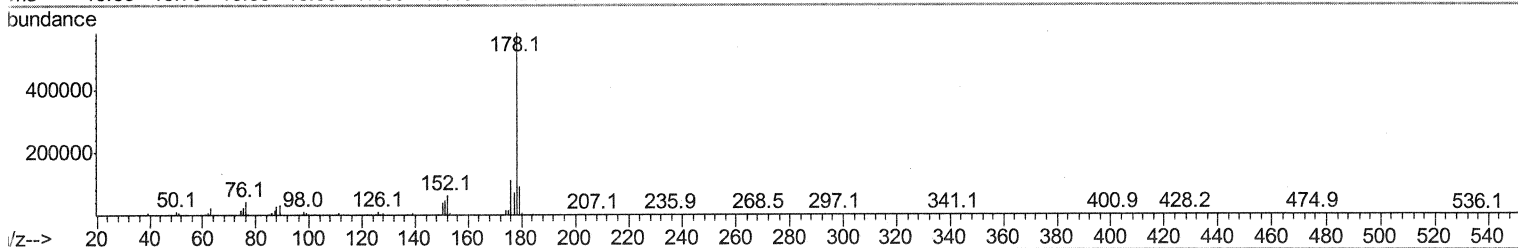
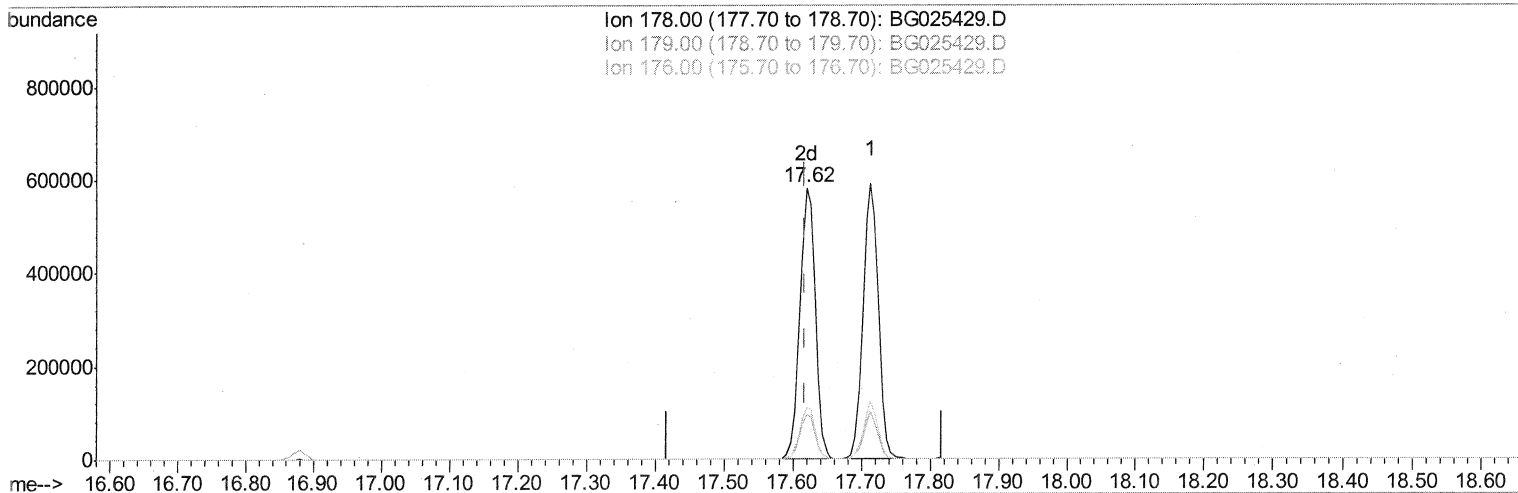
Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SSTD04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD04031

Manual Integrations
APPROVED

Sohil
1/13/2017 11:57:40 AM

Quant Time: Jan 12 12:20:59 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 12 12:00:59 2017
Response via : Initial Calibration



TIC: BG025429.D

(69) Phenanthrene

17.620min (+0.002) 38.62ng/ul m

SJ 1/17/17

response 909978

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	16.00
176.00	19.50	19.02
0.00	0.00	0.00

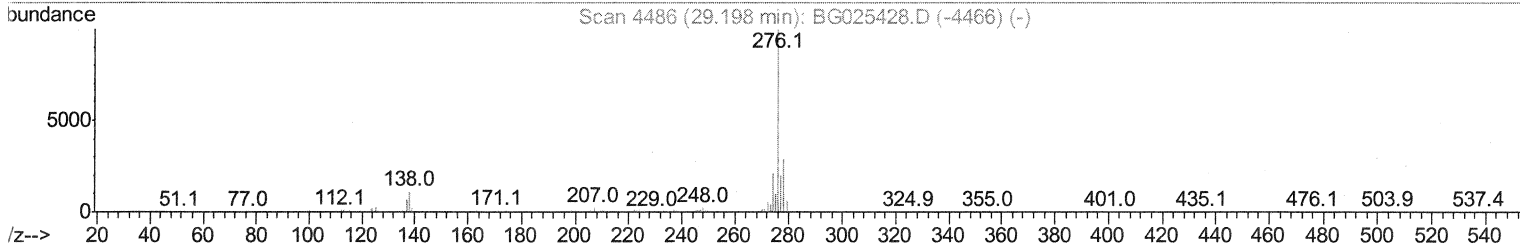
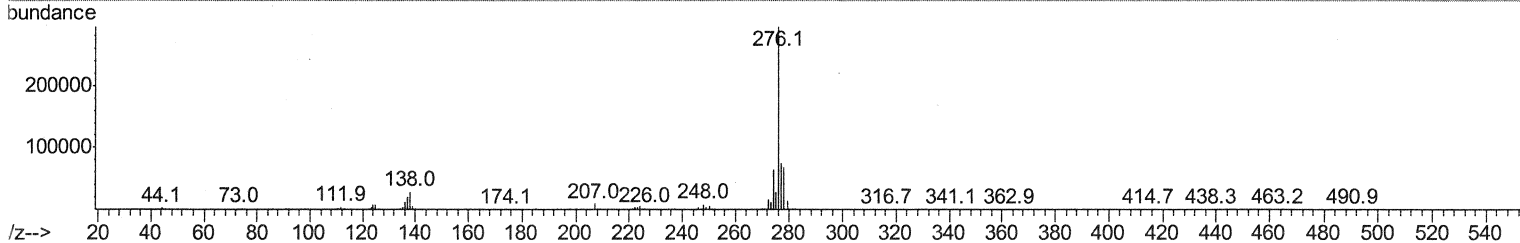
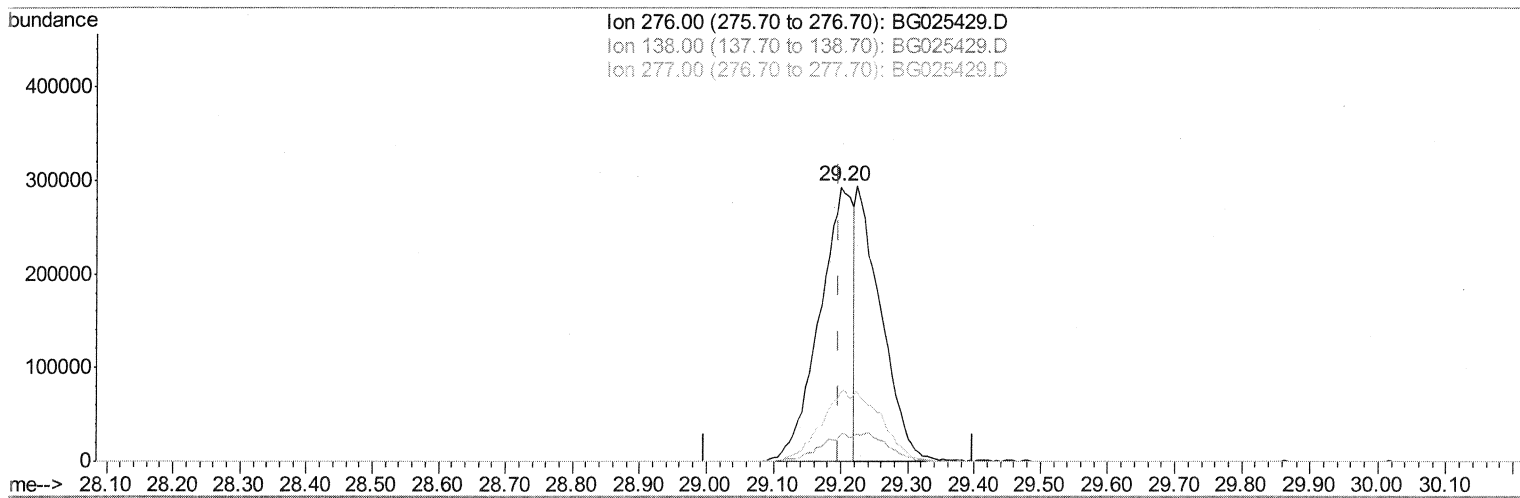
Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SST04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD04031

Manual Integrations
APPROVED

Sohil
1/13/2017 11:57:40 AM

Quant Time: Jan 12 12:20:59 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 12 12:00:59 2017
Response via : Initial Calibration



TIC: BG025429.D

(91) Indeno(1,2,3-cd)pyrene

29.200min (+0.002) 22.78ng/ul

response 1004590

Ion	Exp%	Act%
276.00	100	100
138.00	27.90	12.15#
277.00	25.20	25.28
0.00	0.00	0.00

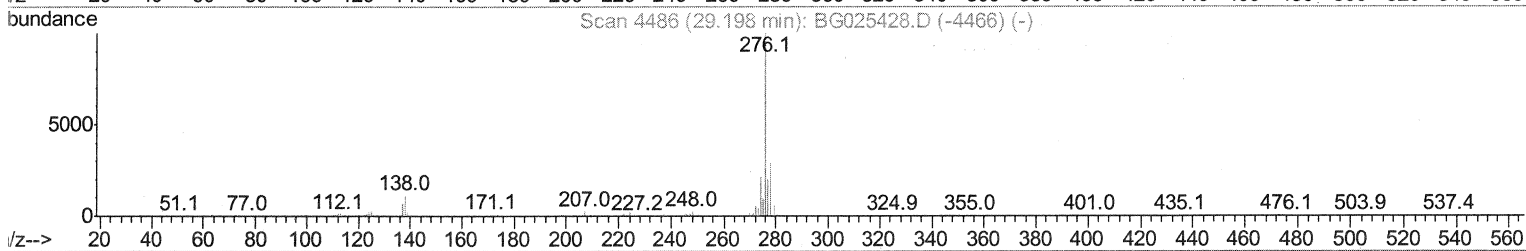
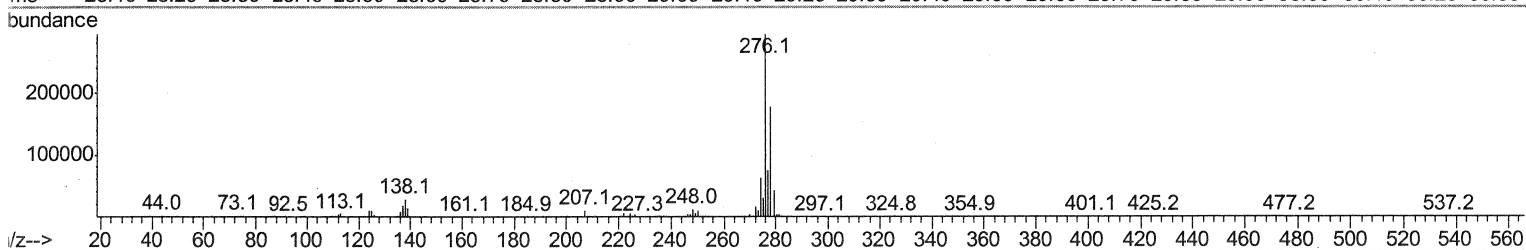
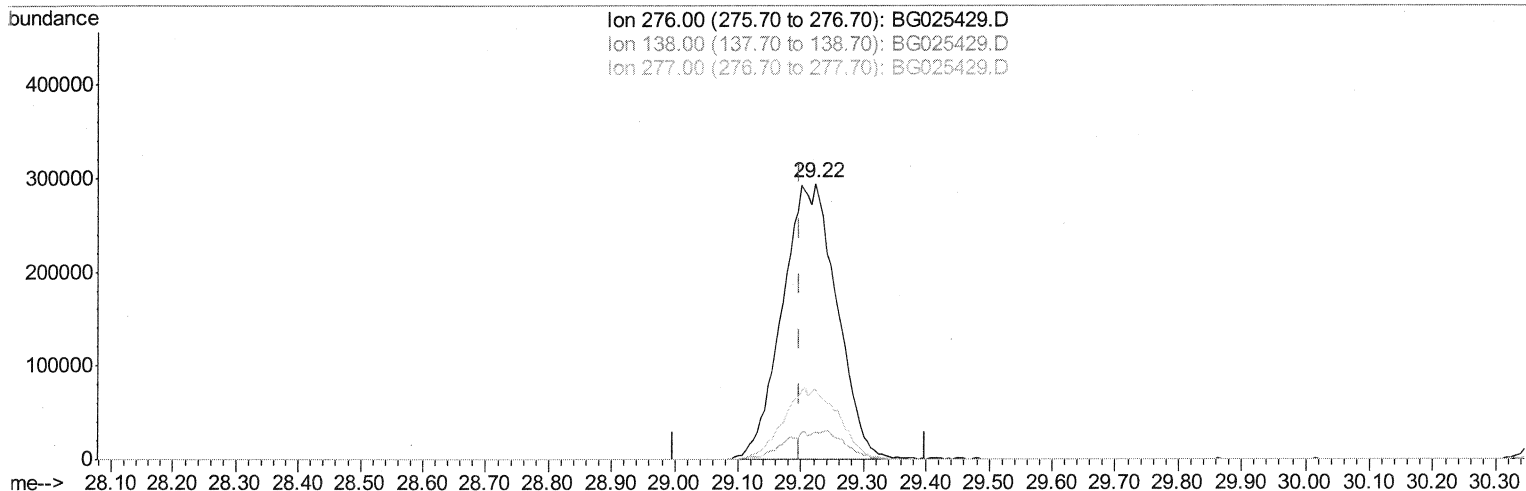
Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SST04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD04031

Manual Integrations
APPROVED

Sohil
1/13/2017 11:57:40 AM

Quant Time: Jan 12 12:20:59 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 12 12:00:59 2017
Response via : Initial Calibration



TIC: BG025429.D

(91) Indeno(1,2,3-cd)pyrene

29.224min (+0.026) 40.35ng/ul m

SJ 1/17/17

response 1779844

Ion	Exp%	Act%
276.00	100	100
138.00	27.90	9.93#
277.00	25.20	25.66
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
 Data File : BG025429.D
 Acq On : 4 Jan 2017 12:19
 Operator : UM/SJ
 Sample : SST04031
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 SST04031

Manual Integrations
 APPROVED

Sohil
 1/13/2017 11:57:40 AM

Quant Time: Jan 12 12:22:45 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 12 12:00:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	63763	20.00	ng/ul	0.00
18) Naphthalene-d8	11.03	136	250196	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.83	164	202009	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.58	188	456996m>	20.00	ng/ul	0.00
77) Chrysene-d12	21.87	240	650891	20.00	ng/ul	0.00
85) Perylene-d12	25.28	264	695218	20.00	ng/ul	0.00

SJ 1/17/17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.55	96	19192	14.17	ng/uL	0.00
5) Phenol-d5	7.36	99	193622	39.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.52	67	129587	45.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.74	132	146409	39.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.92	113	162690	42.66	ng/ul	0.00
19) Nitrobenzene-d5	9.39	128	73976	40.92	ng/ul	0.00
22) 2-Nitrophenol-d4	10.11	143	91566	45.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.66	165	167056	44.96	ng/ul	0.00
29) 4-Chloroaniline-d4	11.18	131	189443	45.05	ng/ul	0.00
43) Dimethylphthalate-d6	14.23	166	561578	42.31	ng/ul	0.00
46) Acenaphthylene-d8	14.53	160	621664	39.14	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	80785	40.46	ng/ul	0.00
57) Fluorene-d10	15.82	176	531642	46.00	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	121116	45.38	ng/ul	0.00
70) Anthracene-d10	17.68	188	791441	39.62	ng/ul	0.00
78) Pyrene-d10	19.95	212	1032893	40.78	ng/ul	0.00
89) Benzo(a)pyrene-d12	25.05	264	1184471	40.53	ng/ul	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) 1,4-Dioxane	3.58	88	19708	11.97	ng/uL#	42
4) Benzaldehyde	7.34	77	150870	46.11	ng/ul#	80
6) Phenol	7.39	94	204117	40.21	ng/ul#	71
8) Bis(2-Chloroethyl)ether	7.61	93	152076	39.46	ng/ul#	76
10) 2-Chlorophenol	7.77	128	146082	38.98	ng/ul#	75
11) 2-Methylphenol	8.65	108	148458	39.85	ng/ul	92
12) 2,2'-oxybis(1-Chloropropan	8.73	45	272373	62.61	ng/ul#	86
14) Acetophenone	9.04	105	249862	40.39	ng/ul#	68
15) N-Nitroso-di-n-propylamine	9.01	70	147078	46.36	ng/ul#	78
16) 4-Methylphenol	8.99	108	159688	39.65	ng/ul	97
17) Hexachloroethane	9.28	117	68455	39.97	ng/ul#	78
20) Nitrobenzene	9.43	77	230580	48.83	ng/ul#	76
21) Isophorone	9.95	82	412685	49.27	ng/ul#	94
23) 2-Nitrophenol	10.15	139	91174	43.86	ng/ul#	56
24) 2,4-Dimethylphenol	10.19	107	209132	45.32	ng/ul	84
25) Bis(2-Chloroethoxy)methane	10.42	93	210591	43.32	ng/ul	99
27) 2,4-Dichlorophenol	10.69	162	163545	44.09	ng/ul	97
28) Naphthalene	11.09	128	468953	39.46	ng/ul	98
30) 4-Chloroaniline	11.20	127	189382	44.59	ng/ul	91
31) Hexachlorobutadiene	11.34	225	151162	50.23	ng/ul	92
32) Caprolactam	11.97	113	61861m>	54.27	ng/ul	91
33) 4-Chloro-3-methylphenol	12.31	107	192687	48.18	ng/ul	91
34) 2-Methylnaphthalene	12.67	142	367811	43.07	ng/ul	100

SJ 1/17/17

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
 Data File : BG025429.D
 Acq On : 4 Jan 2017 12:19
 Operator : UM/SJ
 Sample : SST04031
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 SST04031

Manual Integrations
 APPROVED

Sohil
 1/13/2017 11:57:40 AM

Quant Time: Jan 12 12:22:45 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 12 12:00:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.04	216	265278	41.91	ng/ul#	94
37) Hexachlorocyclopentadiene	13.00	237	106392	43.67	ng/ul	94
38) 2,4,6-Trichlorophenol	13.28	196	151668	41.44	ng/ul	96
39) 2,4,5-Trichlorophenol	13.37	196	169587	43.60	ng/ul	98
40) 1,1'-Biphenyl	13.67	154	501896	37.48	ng/ul	97
41) 2-Chloronaphthalene	13.72	162	402695	38.97	ng/ul	94
42) 2-Nitroaniline	13.94	65	164815	53.28	ng/ul#	59
44) Dimethylphthalate	14.27	163	541152	41.64	ng/ul#	99
45) 2,6-Dinitrotoluene	14.42	165	116764	45.78	ng/ul#	76
47) Acenaphthylene	14.56	152	597917	37.12	ng/ul	98
48) 3-Nitroaniline	14.75	138	100307	40.10	ng/ul#	51
49) Acenaphthene	14.89	153	409368	36.95	ng/ul	97
50) 2,4-Dinitrophenol	14.98	184	60641	41.74	ng/ul#	84
52) 4-Nitrophenol	15.08	109	105591	53.03	ng/ul#	76
53) Dibenzofuran	15.23	168	635301	39.67	ng/ul	96
54) 2,4-Dinitrotoluene	15.21	165	171568	45.48	ng/ul#	60
55) 2,3,4,6-Tetrachlorophenol	15.46	232	169331	46.52	ng/ul	93
56) Diethylphthalate	15.62	149	573512	44.04	ng/ul	98
58) Fluorene	15.88	166	532743	40.67	ng/ul	95
59) 4-Chlorophenyl-phenylether	15.86	204	300596	42.83	ng/ul	94
60) 4-Nitroaniline	15.92	138	97041	42.54	ng/ul#	44
63) 4,6-Dinitro-2-methylphenol	15.97	198	129557	47.09	ng/ul#	91
64) N-Nitrosodiphenylamine	16.07	169	486249	38.73	ng/ul	97
65) 4-Bromophenyl-phenylether	16.75	248	220145	43.20	ng/ul	92
66) Hexachlorobenzene	16.88	284	253530	44.57	ng/ul#	90
67) Atrazine	17.01	200	231213	45.35	ng/ul	96
68) Pentachlorophenol	17.23	266	108954	34.98	ng/ul	93
69) Phenanthrene	17.62	178	909978m>	38.62	ng/ul	94
71) Anthracene	17.71	178	924469	38.83	ng/ul	94
72) 1,2,3,4-Tetrachlorobenzene	13.64	216	261622	38.24	ng/uL	97
73) Pentachlorobenzene	15.15	250	264878	38.32	ng/uL	99
74) Carbazole	17.99	167	783945	37.61	ng/ul	96
75) Di-n-butylphthalate	18.50	149	993541	41.54	ng/ul#	97
76) Fluoranthene	19.62	202	1204028	42.13	ng/ul#	92
79) Pyrene	19.98	202	1201071	37.08	ng/ul#	90
80) Butylbenzylphthalate	20.83	149	500532	41.83	ng/ul#	81
81) 3,3'-Dichlorobenzidine	21.76	252	533844	48.01	ng/ul#	98
82) Benzo(a)anthracene	21.85	228	1367269	40.44	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.69	149	712816	40.63	ng/ul#	99
84) Chrysene	21.92	228	1282158	39.45	ng/ul	97
86) Di-n-octyl phthalate	22.95	149	1259131	37.09	ng/ul#	86
87) Benzo(b)fluoranthene	24.18	252	1428374	38.45	ng/ul#	94
88) Benzo(k)fluoranthene	24.26	252	1409844	39.12	ng/ul#	95
90) Benzo(a)pyrene	25.12	252	1398022	38.87	ng/ul#	93
91) Indeno(1,2,3-cd)pyrene	29.22	276	1779844m>	40.35	ng/ul	90
92) Dibenzo(a,h)anthracene	29.25	278	1497979	40.37	ng/ul#	90
93) Benzo(q,h,i)perylene	30.45	276	1457916	39.68	ng/ul#	85

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