

Quantitation Report (Qedit)

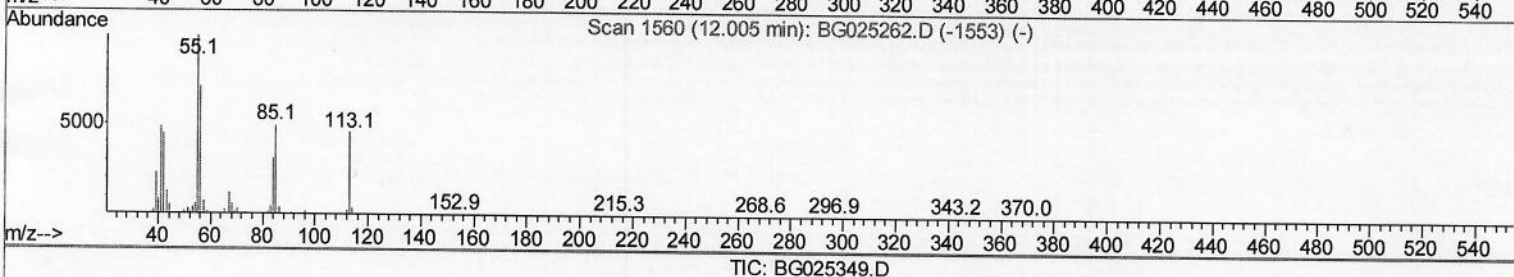
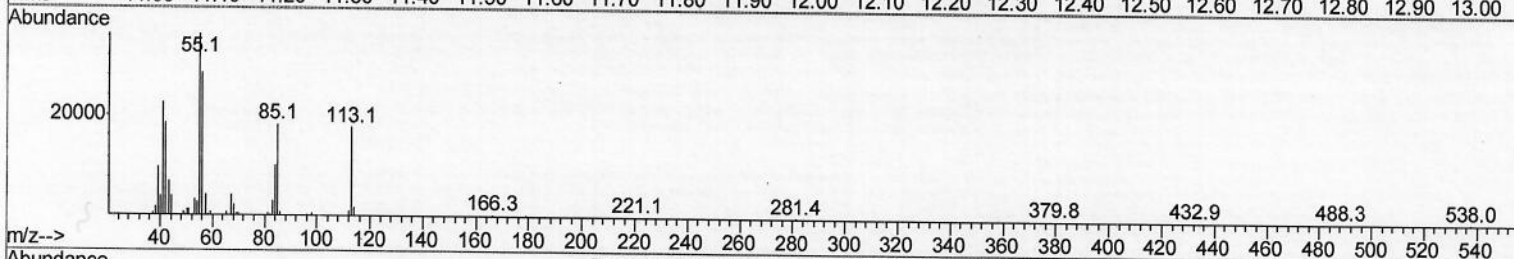
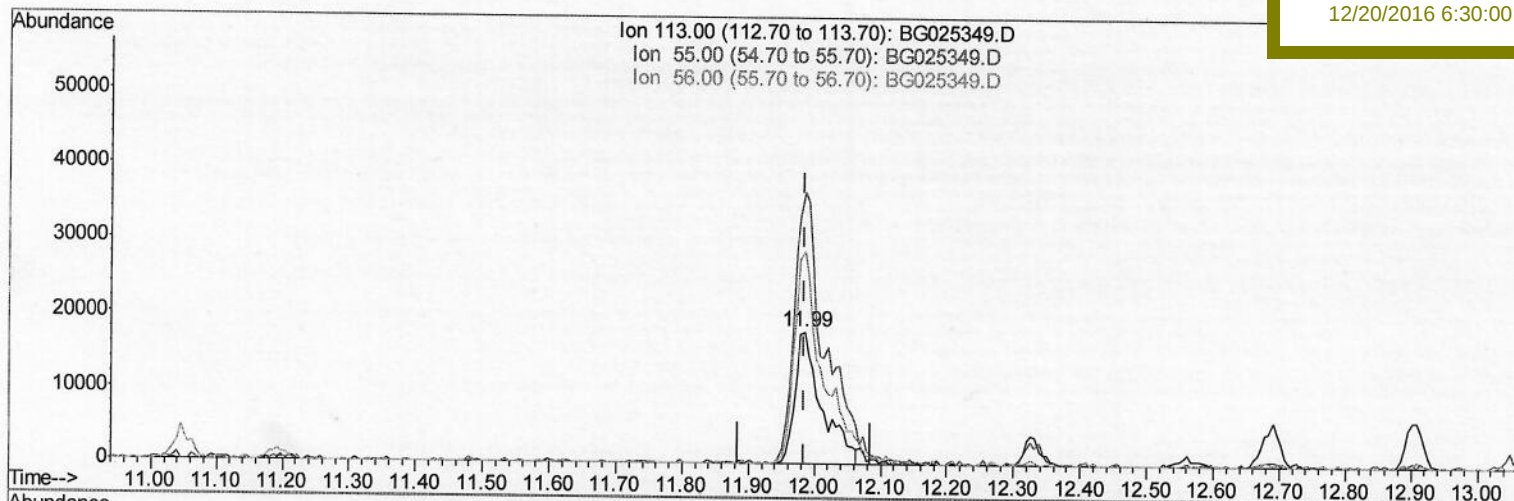
Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
 Data File : BG025349.D
 Acq On : 20 Dec 2016 11:23
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 12:44:08 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 20 03:02:46 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
LabSampleId :
 SSTD02025

Manual Integrations
APPROVED

sohil
 12/20/2016 6:30:00 PM



(32) Caprolactam

11.985min (-0.000) 18.99ng/ul

response 50545

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	204.84
56.00	160.60	159.79
0.00	0.00	0.00

Quantitation Report (Qedit)

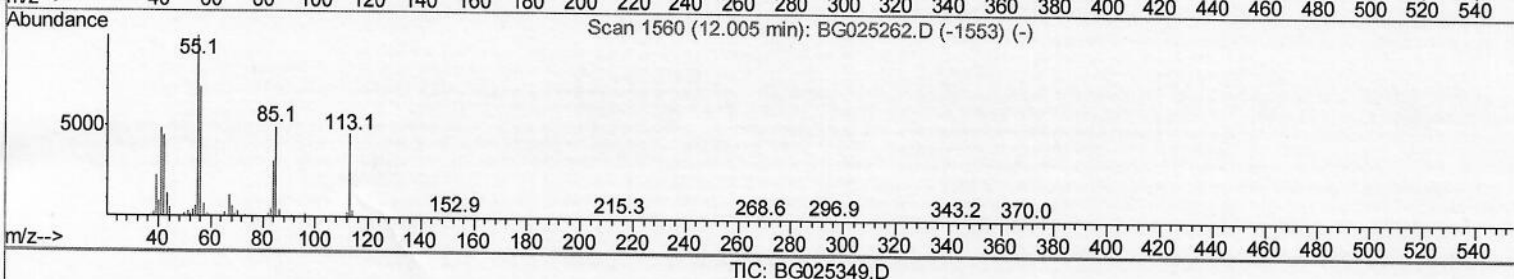
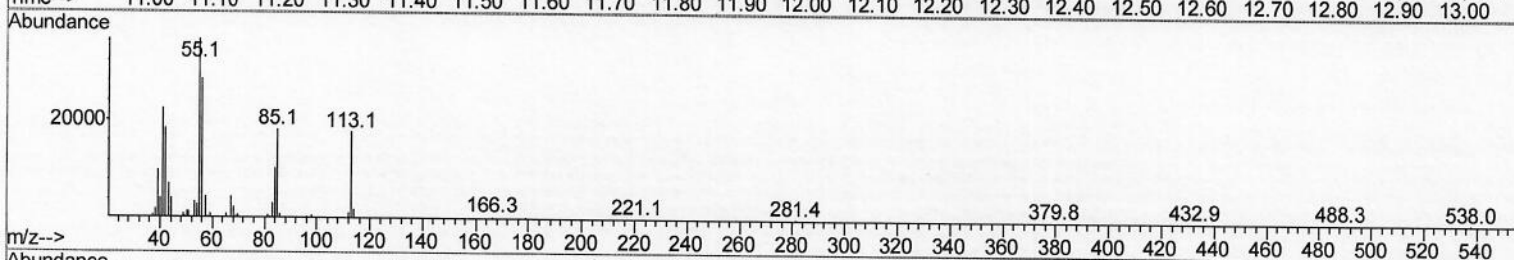
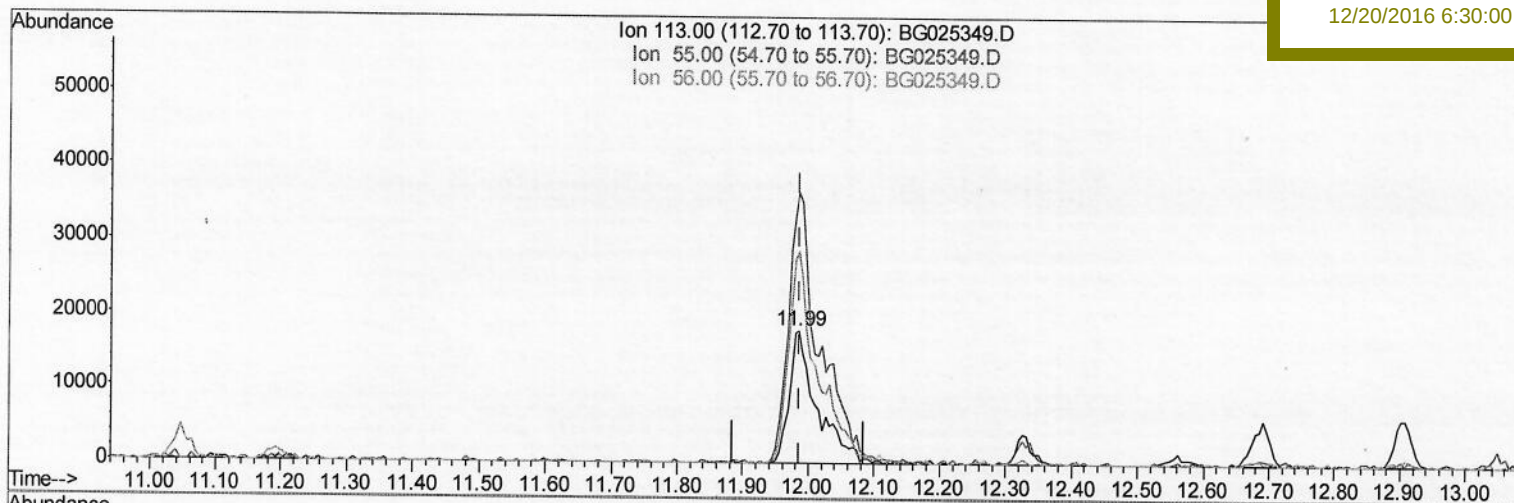
Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
 Data File : BG025349.D
 Acq On : 20 Dec 2016 11:23
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 12:44:08 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 20 03:02:46 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
LabSampleId :
 SSTD02025

Manual Integrations
APPROVED

sohil
 12/20/2016 6:30:00 PM



(32) Caprolactam

11.985min (-0.000) 19.55ng/ul m

response 52037

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	204.84
56.00	160.60	159.79
0.00	0.00	0.00

U. x1
12/20/16

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
Data File : BG025349.D
Acq On : 20 Dec 2016 11:23
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 12:44:08 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 20 03:02:46 2016
Response via : Initial Calibration

Instrument :

BNA_G

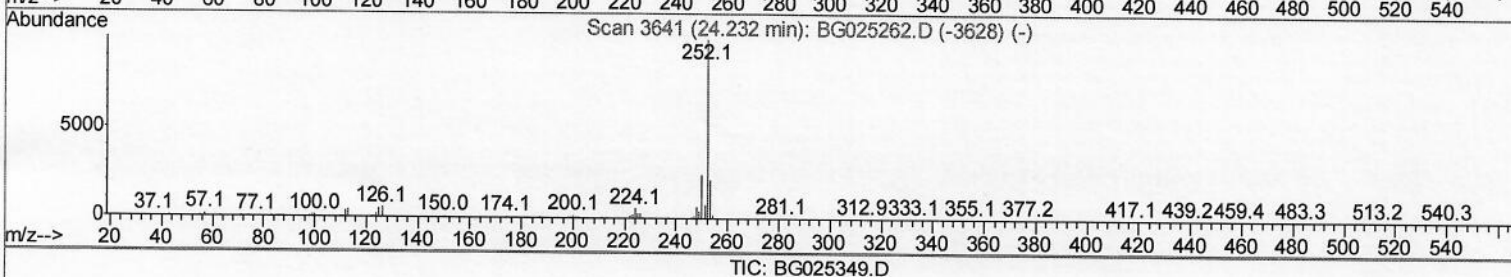
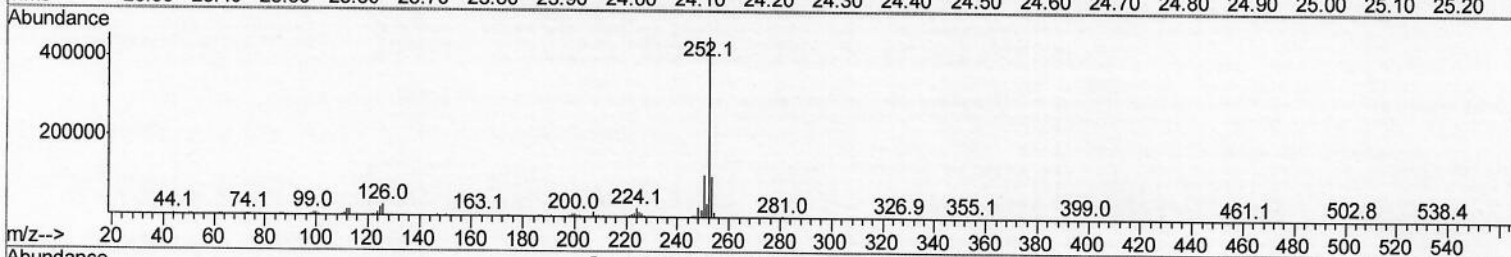
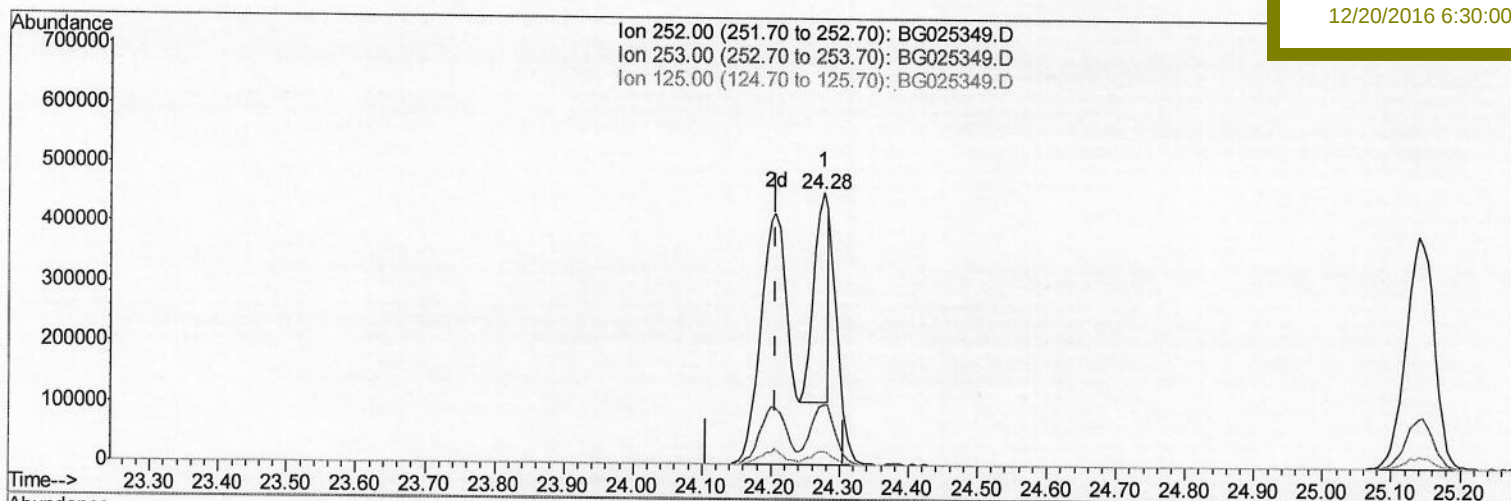
LabSampleId :

SSTD02025

Manual Integrations
APPROVED

sohil

12/20/2016 6:30:00 PM



TIC: BG025349.D

(85) Benzo(b)fluoranthene

24.277min (+0.070) 9.80ng/ul

response 527743

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	22.43
125.00	5.00	4.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
Data File : BG025349.D
Acq On : 20 Dec 2016 11:23
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 12:44:08 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 20 03:02:46 2016
Response via : Initial Calibration

Instrument :

BNA_G

LabSampleId :

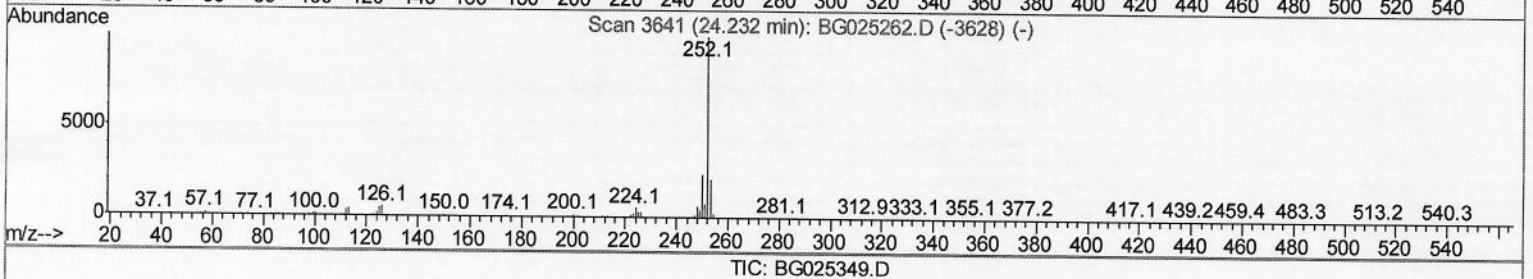
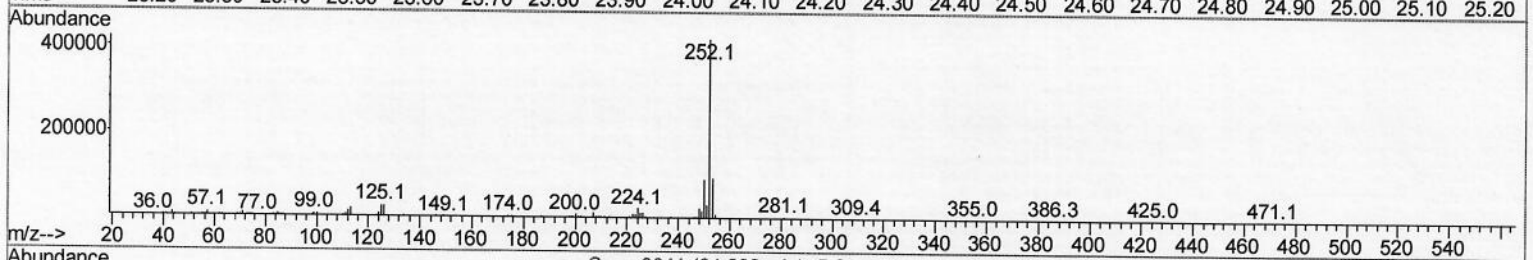
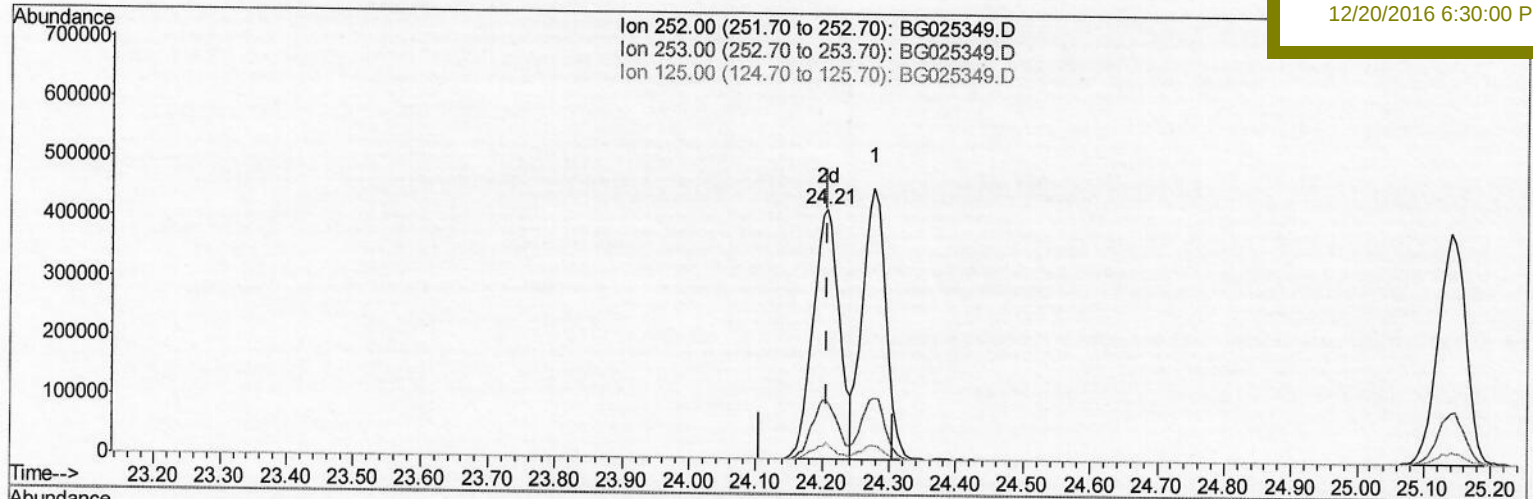
SSTD02025

Manual Integrations

APPROVED

sohil

12/20/2016 6:30:00 PM



(85) Benzo(b)fluoranthene

24.206min (-0.000) 21.56ng/ul m

response 1161801

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	22.44
125.00	5.00	6.29#
0.00	0.00	0.00

U.S. 1
12/20/16

Quantitation Report (Qedit)

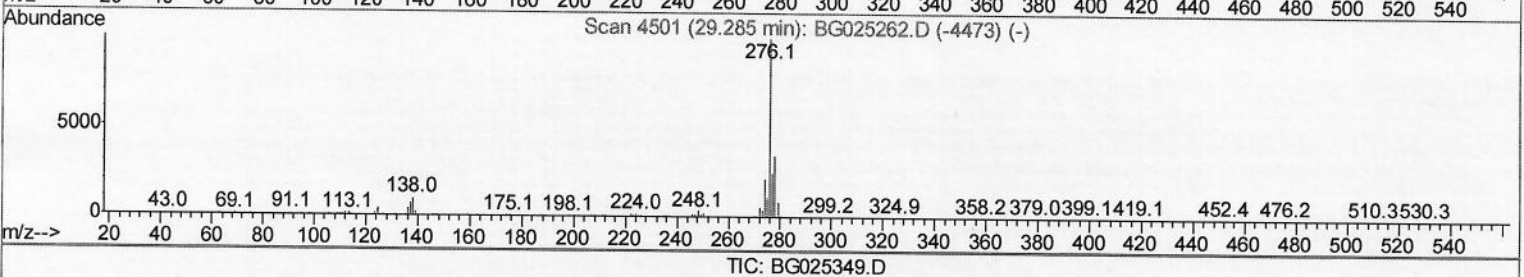
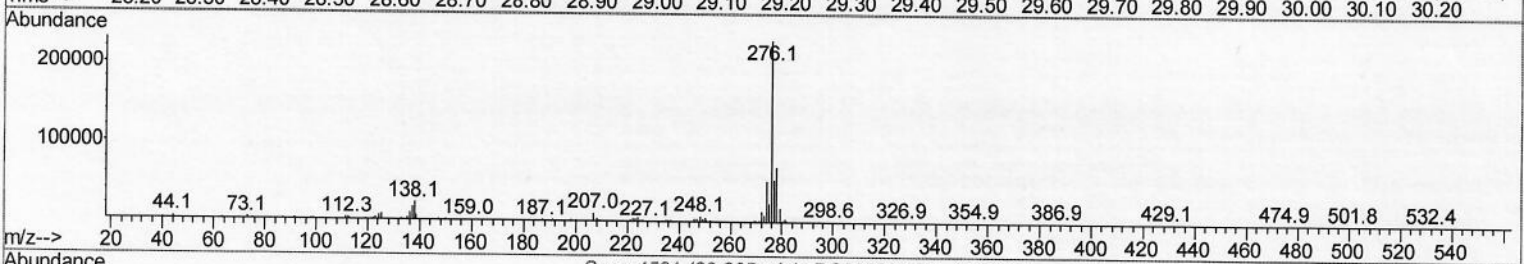
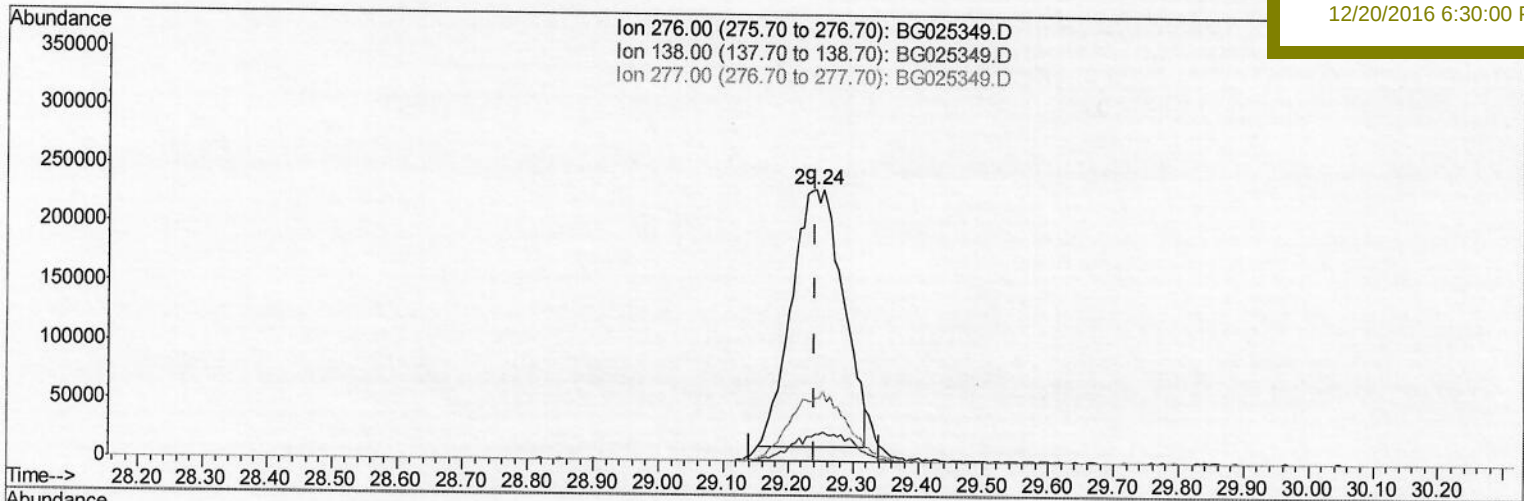
Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
 Data File : BG025349.D
 Acq On : 20 Dec 2016 11:23
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 12:44:08 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 20 03:02:46 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
LabSampleId :
 SSTD02025

Manual Integrations
APPROVED

sohil
 12/20/2016 6:30:00 PM



TIC: BG025349.D

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

29.241min (-0.000) 18.69ng/ul

response 1203213

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	13.30#
277.00	23.30	23.70
0.00	0.00	0.00

Quantitation Report (Qedit)

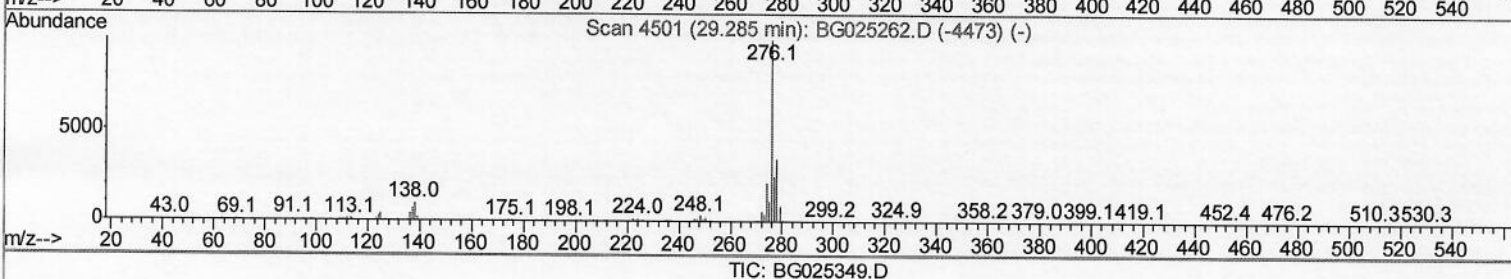
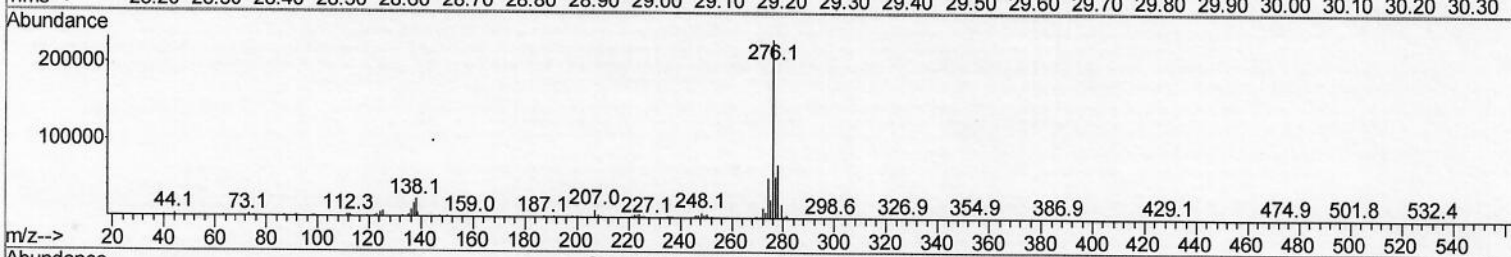
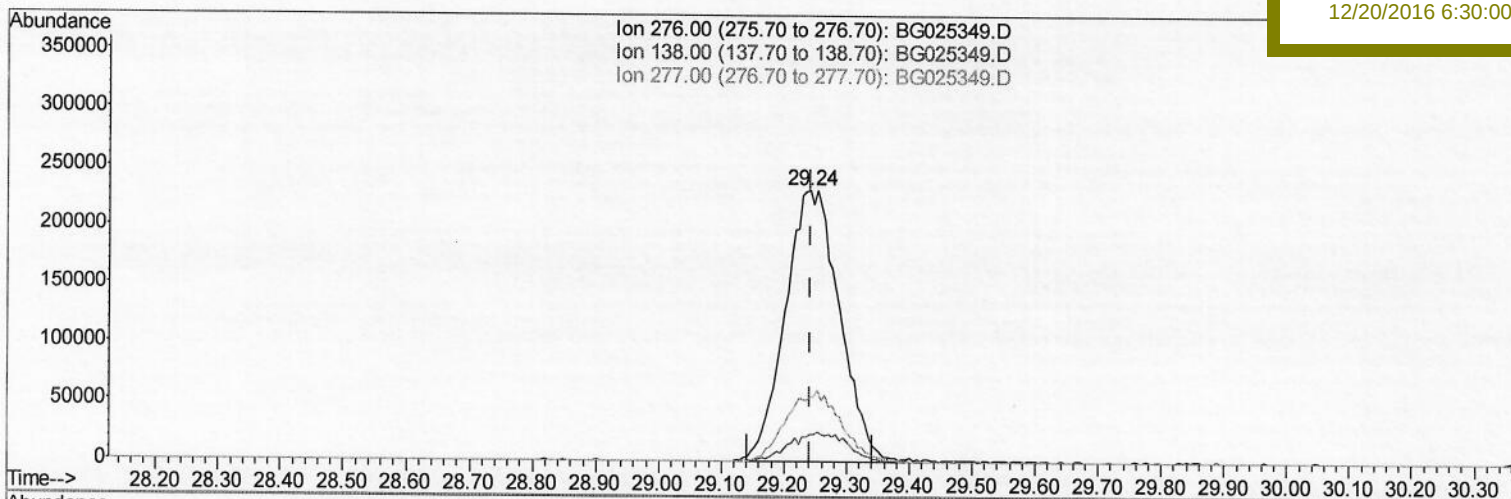
Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
Data File : BG025349.D
Acq On : 20 Dec 2016 11:23
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 12:44:08 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 20 03:02:46 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations
APPROVED

sohil
12/20/2016 6:30:00 PM



TIC: BG025349.D

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

29.241min (-0.000) 21.57ng/ul m

response 1388387

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	10.23
277.00	23.30	23.70
0.00	0.00	0.00

U.M.
12/20/16

Quantitation Report (Qedit)

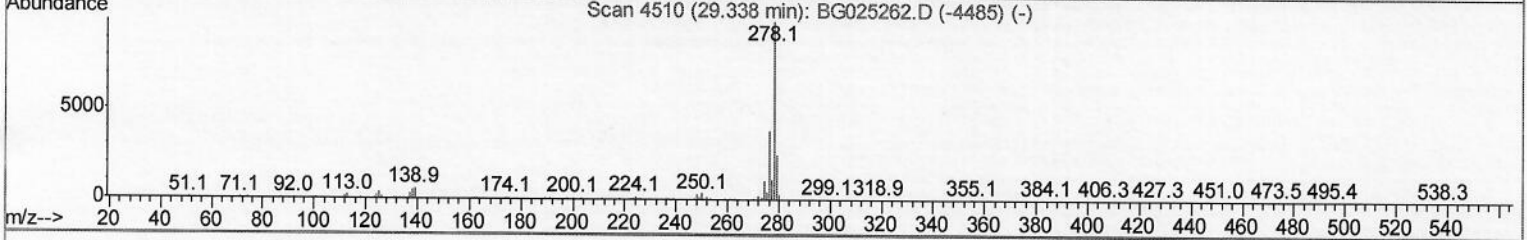
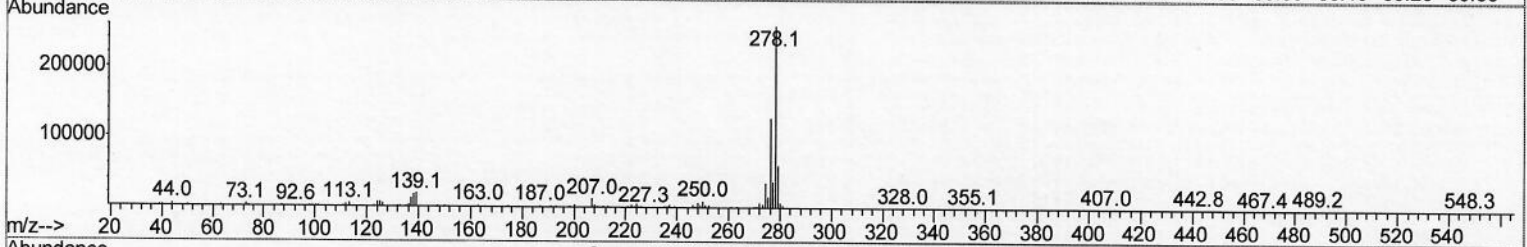
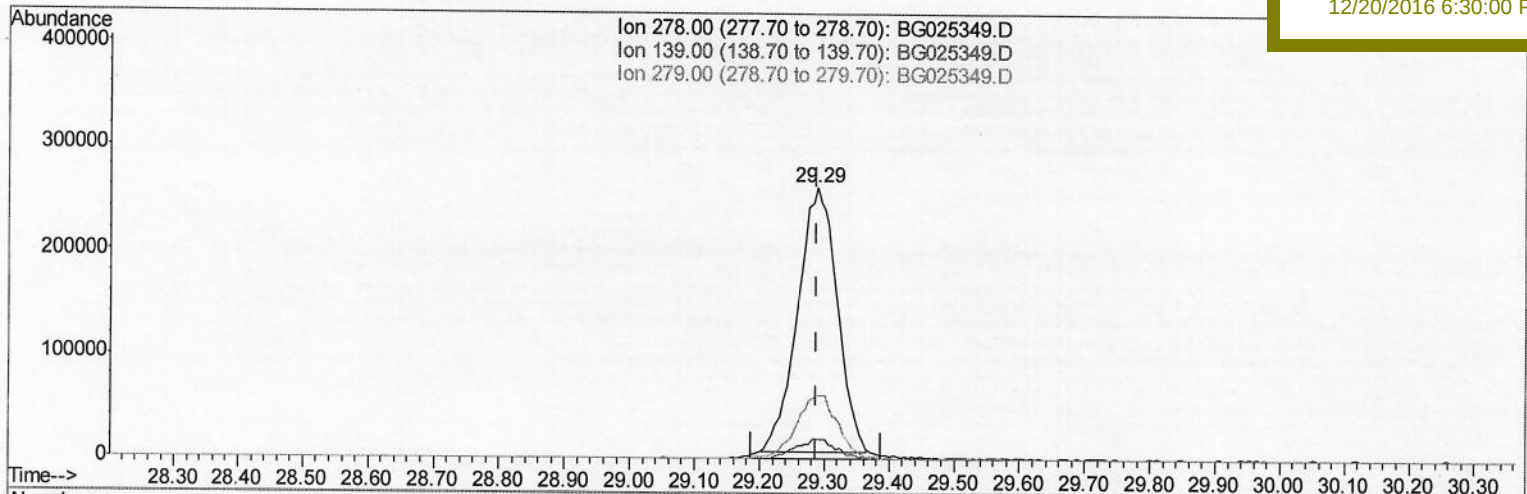
Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
 Data File : BG025349.D
 Acq On : 20 Dec 2016 11:23
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 12:44:08 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 20 03:02:46 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
LabSampleId :
 SSTD02025

Manual Integrations
APPROVED

sohil
 12/20/2016 6:30:00 PM



TIC: BG025349.D

(90) Dibenzo(a,h)anthracene

29.288min (-0.000) 19.91ng/ul

response 1080069

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	7.39
279.00	26.10	23.60
0.00	0.00	0.00

Quantitation Report (Qedit)

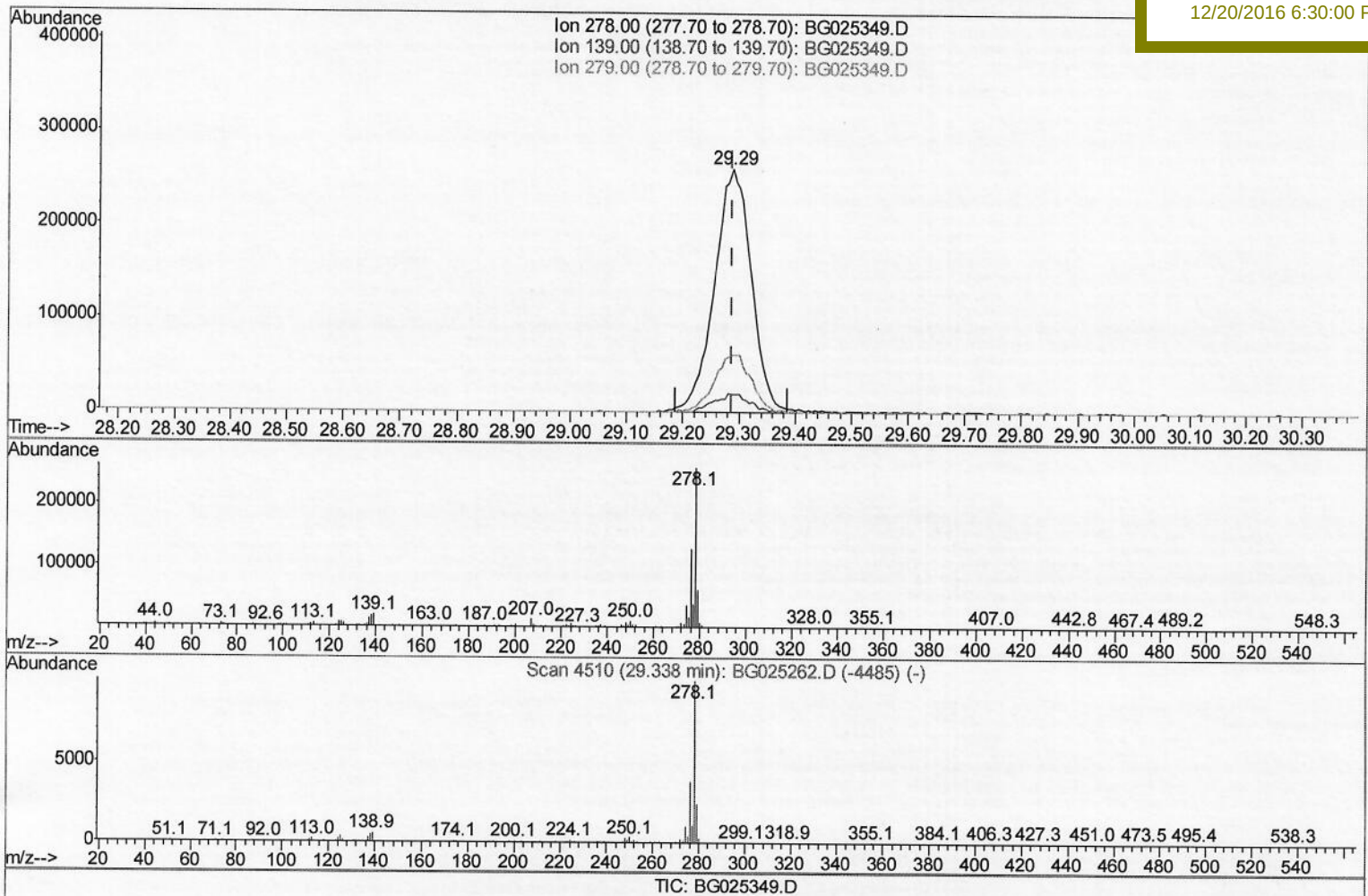
Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
 Data File : BG025349.D
 Acq On : 20 Dec 2016 11:23
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 12:44:08 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 20 03:02:46 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
LabSampleId :
 SSTD02025

Manual Integrations
APPROVED

sohil
 12/20/2016 6:30:00 PM



(90) Dibenzo(a,h)anthracene
 29.288min (-0.000) 21.45ng/ul m
 response 1163446

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	7.39
279.00	26.10	23.60
0.00	0.00	0.00

U.M
 12/20/16

Quantitation Report (Qedit)

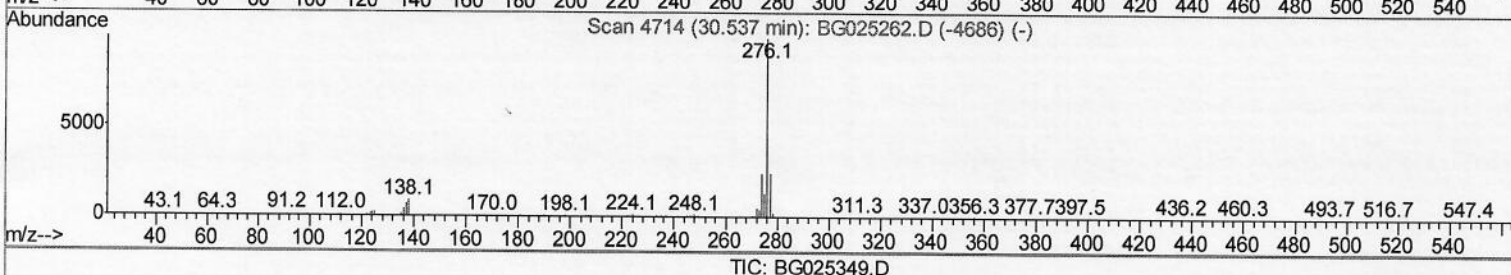
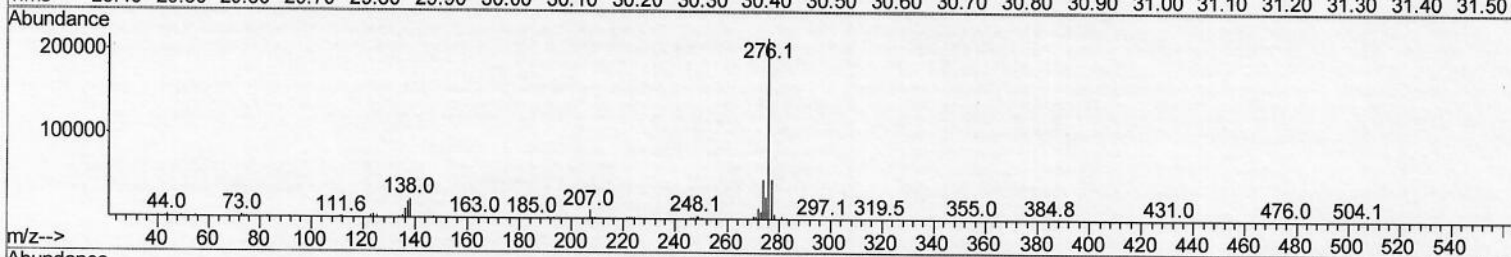
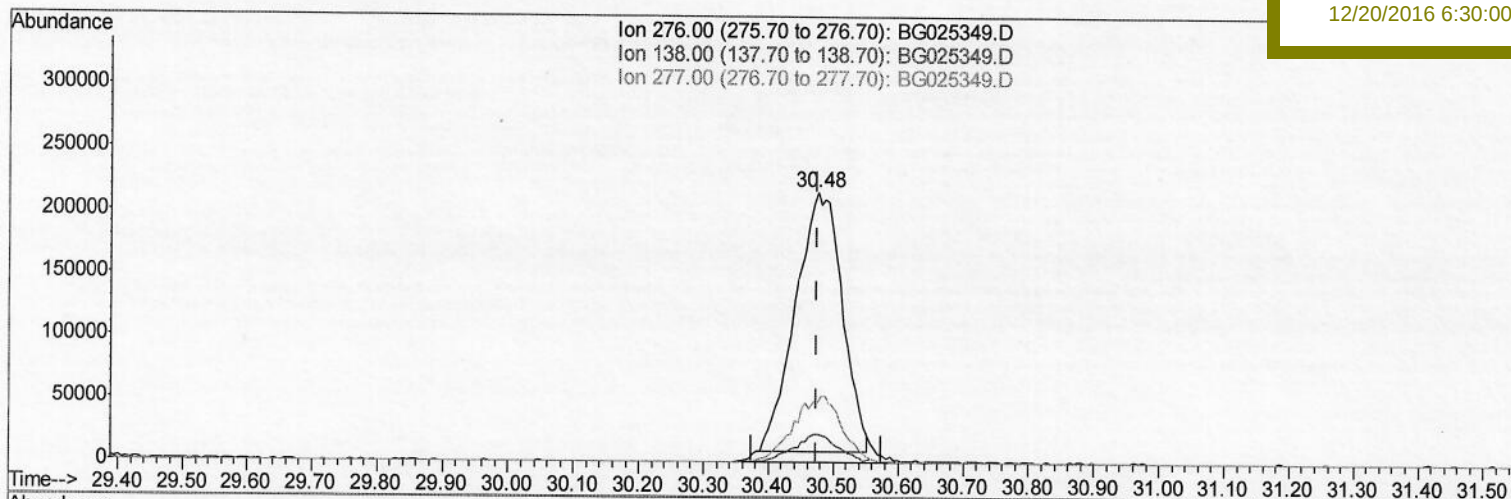
Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
 Data File : BG025349.D
 Acq On : 20 Dec 2016 11:23
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 12:44:08 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 20 03:02:46 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
 LabSampleId :
 SSTD02025

Manual Integrations
 APPROVED

sohil
 12/20/2016 6:30:00 PM



TIC: BG025349.D

(91) Benzo(g,h,i)perylene

30.475min (-0.000) 19.35ng/ul

response 1039815

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	10.43
277.00	22.00	22.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
Data File : BG025349.D
Acq On : 20 Dec 2016 11:23
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 12:44:08 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 20 03:02:46 2016
Response via : Initial Calibration

Instrument :

BNA_G

LabSampleId :

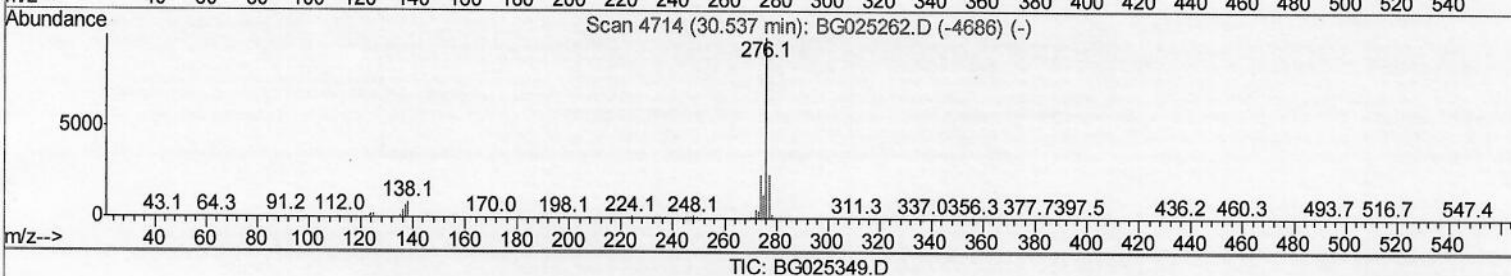
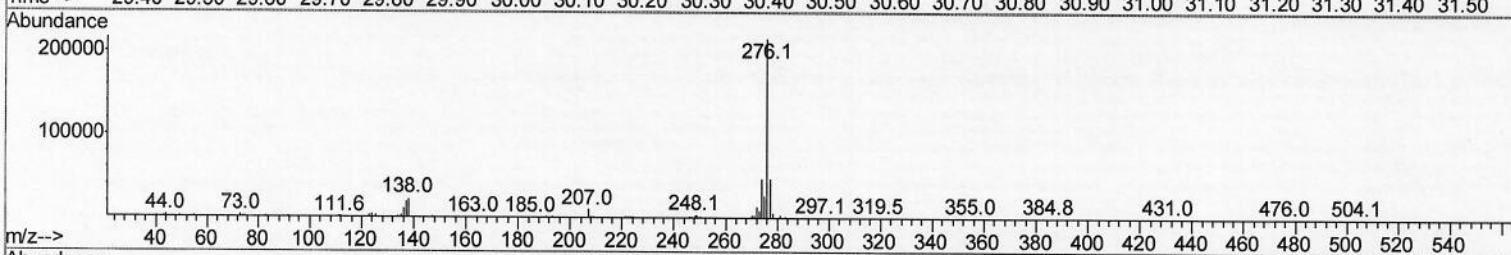
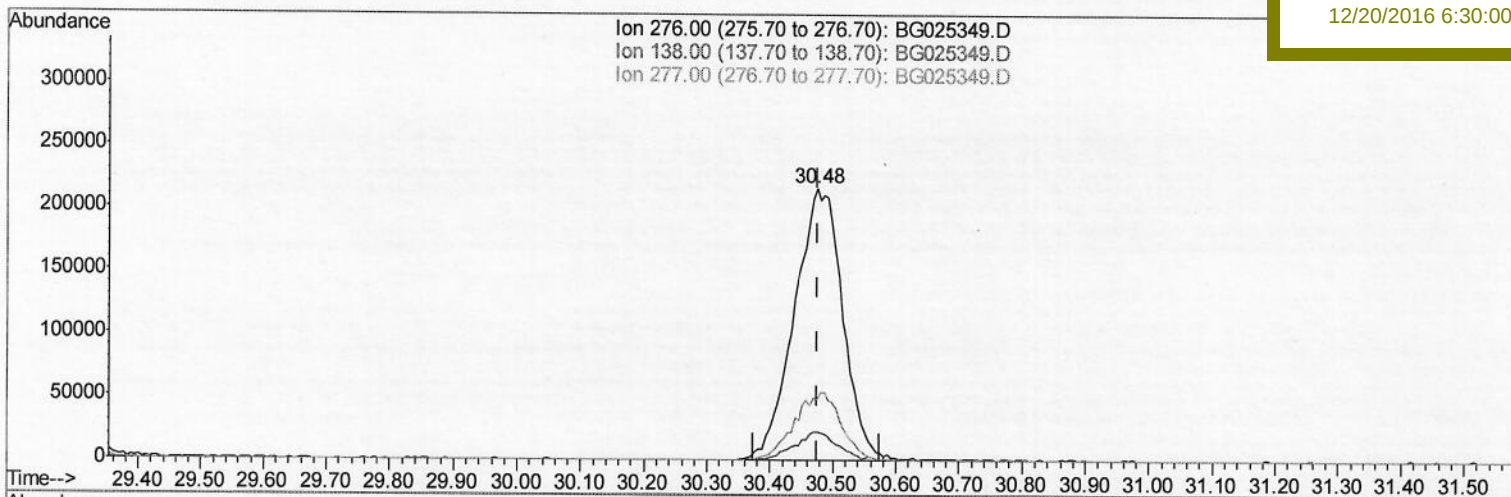
SSTD02025

Manual Integrations

APPROVED

sohil

12/20/2016 6:30:00 PM



(91) Benzo(g,h,i)perylene

30.475min (-0.000) 21.38ng/ul m

response 1148491

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	10.43
277.00	22.00	22.23
0.00	0.00	0.00

U.M
12/20/16

Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
 Data File : BG025349.D
 Acq On : 20 Dec 2016 11:23
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 12:47:51 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 20 03:02:46 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
 LabSampleId :
 SSTD02025

Manual Integrations
 APPROVED

sohil
 12/20/2016 6:30:00 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	87602	20.00	ng/ul	0.00
18) Naphthalene-d8	11.05	136	388907	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.85	164	333616	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.59	188	766750	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1041179	20.00	ng/ul	0.00
83) Perylene-d12	25.30	264	1086505	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	12251	7.22	ng/uL	0.00
5) Phenol-d5	7.38	99	156272	20.68	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.54	67	106512	22.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.75	132	113768	21.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	131320	20.79	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	57820	20.99	ng/ul	0.00
22) 2-Nitrophenol-d4	10.13	143	69755	20.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.67	165	144114	21.83	ng/ul	0.00
29) 4-Chloroaniline-d4	11.19	131	165016	25.43	ng/ul	0.00
43) Dimethylphthalate-d6	14.24	166	482661	21.03	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	532002	21.16	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	70949	17.99	ng/ul	0.00
57) Fluorene-d10	15.83	176	453310	20.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	97706	20.61	ng/ul	0.00
70) Anthracene-d10	17.69	188	694758	21.47	ng/ul	0.00
76) Pyrene-d10	19.96	212	894893	20.87	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.06	264	963534	21.89	ng/ul	0.00

Target Compounds

						Ovalue
2) 1,4-Dioxane	3.61	88	14991	6.79	ng/uL	94
4) Benzaldehyde	7.36	77	126367	22.21	ng/ul	95
6) Phenol	7.41	94	167178	21.55	ng/ul	96
8) Bis(2-Chloroethyl)ether	7.63	93	118648	20.90	ng/ul	95
10) 2-Chlorophenol	7.78	128	114093	21.47	ng/ul	91
11) 2-Methylphenol	8.67	108	123282	21.59	ng/ul	91
12) 2,2'-oxybis(1-Chloropropan	8.75	45	218278	22.61	ng/ul	98
14) Acetophenone	9.05	105	202501	21.07	ng/ul	94
15) N-Nitroso-di-n-propylamine	9.02	70	125828	22.67	ng/ul	94
16) 4-Methylphenol	9.00	108	134483	21.17	ng/ul	91
17) Hexachloroethane	9.30	117	51287	21.79	ng/ul	96
20) Nitrobenzene	9.45	77	185112	21.87	ng/ul	94
21) Isophorone	9.96	82	341764	21.34	ng/ul	99
23) 2-Nitrophenol	10.16	139	75324	21.63	ng/ul	89
24) 2,4-Dimethylphenol	10.20	107	178862	22.46	ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.44	93	173528	21.26	ng/ul	95
27) 2,4-Dichlorophenol	10.70	162	139379	21.74	ng/ul	92
28) Naphthalene	11.10	128	379839	21.01	ng/ul	99
30) 4-Chloroaniline	11.22	127	159130	23.99	ng/ul	96
31) Hexachlorobutadiene	11.36	225	119983	21.77	ng/ul	94
32) Caprolactam	11.99	113	52037m	19.55	ng/ul	
33) 4-Chloro-3-methylphenol	12.33	107	167391	21.18	ng/ul	98
34) 2-Methylnaphthalene	12.68	142	307601	21.56	ng/ul	97

U.M.
 12/20/16

Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
 Data File : BG025349.D
 Acq On : 20 Dec 2016 11:23
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02025

Manual Integrations
 APPROVED

sohil
 12/20/2016 6:30:00 PM

Quant Time: Dec 20 12:47:51 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 20 03:02:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
36) 1,2,4,5-Tetrachlorobenzene	13.05	216	220407	21.92	ng/ul	94
37) Hexachlorocyclopentadiene	13.01	237	80120	13.57	ng/ul#	94
38) 2,4,6-Trichlorophenol	13.30	196	138708	21.96	ng/ul	92
39) 2,4,5-Trichlorophenol	13.38	196	141659	20.46	ng/ul	96
40) 1,1'-Biphenyl	13.68	154	434254	21.47	ng/ul	97
41) 2-Chloronaphthalene	13.74	162	333884	20.74	ng/ul	95
42) 2-Nitroaniline	13.95	65	140964	22.37	ng/ul	97
44) Dimethylphthalate	14.29	163	465708	20.65	ng/ul	97
45) 2,6-Dinitrotoluene	14.43	165	101061	20.85	ng/ul#	92
47) Acenaphthylene	14.58	152	512347	20.97	ng/ul	99
48) 3-Nitroaniline	14.76	138	98345	23.43	ng/ul#	95
49) Acenaphthene	14.91	153	361714	21.61	ng/ul	97
50) 2,4-Dinitrophenol	14.99	184	54222	17.22	ng/ul	93
52) 4-Nitrophenol	15.08	109	93702	19.75	ng/ul	95
53) Dibenzofuran	15.24	168	559799	21.14	ng/ul	99
54) 2,4-Dinitrotoluene	15.22	165	159833	21.89	ng/ul#	98
55) 2,3,4,6-Tetrachlorophenol	15.47	232	152652	20.87	ng/ul#	97
56) Diethylphthalate	15.63	149	500754	20.97	ng/ul	97
58) Fluorene	15.89	166	453814	21.05	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.87	204	255924	21.08	ng/ul#	87
60) 4-Nitroaniline	15.93	138	103374	20.42	ng/ul	96
63) 4,6-Dinitro-2-methylphenol	15.99	198	104163	21.21	ng/ul#	94
64) N-Nitrosodiphenylamine	16.09	169	419937	21.29	ng/ul	95
65) 4-Bromophenyl-phenylether	16.76	248	189562	21.89	ng/ul	92
66) Hexachlorobenzene	16.89	284	219003	22.46	ng/ul	99
67) Atrazine	17.03	200	201258	21.46	ng/ul	98
68) Pentachlorophenol	17.24	266	101248	17.29	ng/ul	95
69) Phenanthrene	17.64	178	803963	21.97	ng/ul	98
71) Anthracene	17.73	178	816793	21.71	ng/ul	98
72) Carbazole	18.00	167	720768	22.96	ng/ul	98
73) Di-n-butylphthalate	18.51	149	892704	22.52	ng/ul	98
74) Fluoranthene	19.63	202	1052520	24.20	ng/ul#	97
77) Pvrene	19.99	202	1038440	20.75	ng/ul	97
78) Butylbenzylphthalate	20.85	149	431460	22.02	ng/ul	95
79) 3,3'-Dichlorobenzidine	21.77	252	407455	22.45	ng/ul	93
80) Benzo(a)anthracene	21.87	228	1170001	21.63	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.70	149	597220	22.14	ng/ul	97
82) Chrysene	21.93	228	1076818	21.28	ng/ul	100
84) Di-n-octyl phthalate	22.97	149	1019488	23.11	ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	1161801m	21.56	ng/ul	
86) Benzo(k)fluoranthene	24.28	252	1106138	21.60	ng/ul	99
88) Benzo(a)pyrene	25.14	252	1117388	21.57	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.24	276	1388387m	21.57	ng/ul	
90) Dibenzo(a,h)anthracene	29.29	278	1163446m	21.45	ng/ul	
91) Benzo(a,h,i)perylene	30.48	276	1148491m	21.38	ng/ul	

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

U.M
 12/20/16

(QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121916\
Data File : BG025349.D
Acq On : 20 Dec 2016 11:23
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 12:47:51 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 20 03:02:46 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02025

Manual Integrations APPROVED

sohil
12/20/2016 6:30:00 PM

