LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG030717\
Data File : BG026097.D
Acq On : 7 Mar 2017 16:14
Operator : SJ/MA
Sample : I2095-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BB6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.382	341	348	358	rVB	705375	1158386	20.23%	1.905%
2	7.215	653	660	670	rBV	105963	199397	3.48%	0.328%
3	7.386	682	689	698	rVB	427715	692043	12.09%	1.138%
4	7.597	718	725	735	rVB	396826	684297	11.95%	1.125%
5	7.956	780	786	793	rVB	117412	193881	3.39%	0.319%
6	8.067	797	805	807	rVV	357517	628180	10.97%	1.033%
7	8.103	807	811	820	rVB	678803	1143766	19.98%	1.881%
8	8.420	857	865	874	rVB	3275674	5725135	100.00%	9.414%
9	8.755	915	922	932	rBV	292931	507108	8.86%	0.834%
10	9.219	993	1001	1004	rBV	449069	863705	15.09%	1.420%
11	9.266	1004	1009	1017	rVB	2537957	4449999	77.73%	7.318%
12	9.942	1117	1124	1134	rBV2	323843	639410	11.17%	1.051%
13	10.476	1208	1215	1223	rBV	540654	954345	16.67%	1.569%
14	10.729	1250	1258	1267	rVB	1070764	1861846	32.52%	3.062%
15	10.864	1273	1281	1288	rBV	504382	895794	15.65%	1.473%
16	11.246	1338	1346	1354	rBV	669107	1195037	20.87%	1.965%
17	11.458	1373	1382	1393	rBV	2401614	4298982	75.09%	7.069%
18	11.669	1410	1418	1428	rBV	492542	885705	15.47%	1.456%
19	12.139	1491	1498	1507	rBV3	70628	131154	2.29%	0.216%
20	12.815	1607	1613	1619	rBV	82137	137299	2.40%	0.226%
21	13.097	1652	1661	1668	rBV6	29379	72501	1.27%	0.119%
22	13.244	1681	1686	1692	rBV2	71757	109641	1.92%	0.180%
23	13.473	1719	1725	1731	rBV	243078	385244	6.73%	0.633%
24	14.066	1813	1826	1832	rBV	1204640	1889388	33.00%	3.107%
25	14.125	1832	1836	1841	rVB4	47088	80170	1.40%	0.132%
26	14.360	1869	1876	1884	rVB	1377820	2161005	37.75%	3.554%
27	14.666	1922	1928	1940	rBV2	757679	1240913	21.67%	2.041%
28	14.836	1952	1957	1969	rBV3	99308	189321	3.31%	0.311%
29	15.141	2000	2009	2022	rBV7	32263	67260	1.17%	0.111%
30	15.653	2089	2096	2108	rBV	1782972	2767895	48.35%	4.552%
31	15.758	2108	2114	2125	rBV	474002	696062	12.16%	1.145%
32	17.398	2383	2393	2402	rBV	981795	1565445	27.34%	2.574%
33	17.492	2402	2409	2418	rVV2	1986011	3036577	53.04%	4.993%
34	18.349	2549	2555	2564	rBV6	36531	78781	1.38%	0.130%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG030717\
Data File : BG026097.D
Acq On : 7 Mar 2017 16:14
Operator : SJ/MA
Sample : I2095-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BB6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Title : SVOA CALIBRATION

35	18.755	2613	2624	2633	rBV	3441273	5059175	88.37%	8.319%
36	18.831	2633	2637	2641	rVV4	65373	102628	1.79%	0.169%
37	18.878	2641	2645	2656	rVB2	163547	250877	4.38%	0.413%
38	19.049	2668	2674	2676	rBV4	96116	157070	2.74%	0.258%
39	19.084	2676	2680	2684	rVV2	274958	427053	7.46%	0.702%
40	19.131	2684	2688	2696	rVB2	78516	130141	2.27%	0.214%
41	19.366	2720	2728	2732	rBV9	35936	71563	1.25%	0.118%
42	19.630	2769	2773	2776	rBV5	48139	72658	1.27%	0.119%
43	19.765	2789	2796	2805	rBV	2625568	3823882	66.79%	6.288%
44	21.640	3107	3115	3123	rBV	1257360	2141054	37.40%	3.521%
45	23.919	3496	3503	3510	rVB3	36876	81216	1.42%	0.134%
46	24.607	3609	3620	3637	rBV2	1510805	4140530	72.32%	6.809%
47	24.824	3646	3657	3671	rBV2	799331	2337122	40.82%	3.843%
48	25.970	3843	3852	3862	rBV4	49217	142711	2.49%	0.235%
49	27.310	4071	4080	4092	rVB7	43689	160416	2.80%	0.264%
50	28.931	4343	4356	4365	rBV5	29960	128756	2.25%	0.212%

Sum of corrected areas: 60812524

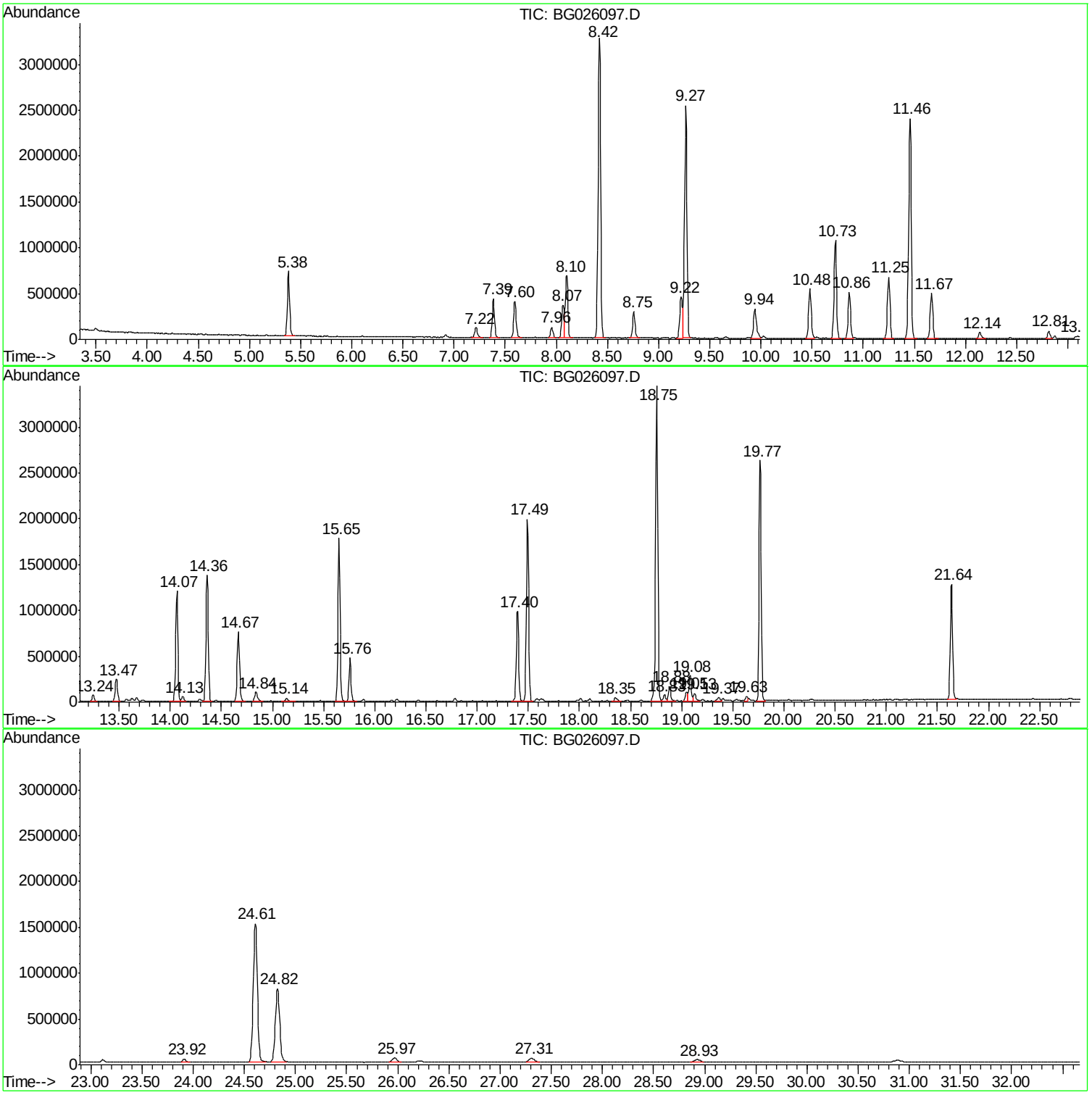
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\Data\BG030717\
Data File : BG026097.D
Acq On : 7 Mar 2017 16:14
Operator : SJ/MA
Sample : I2095-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BB6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG030717\
Data File : BG026097.D
Acq On : 7 Mar 2017 16:14
Operator : SJ/MA
Sample : I2095-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BB6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION

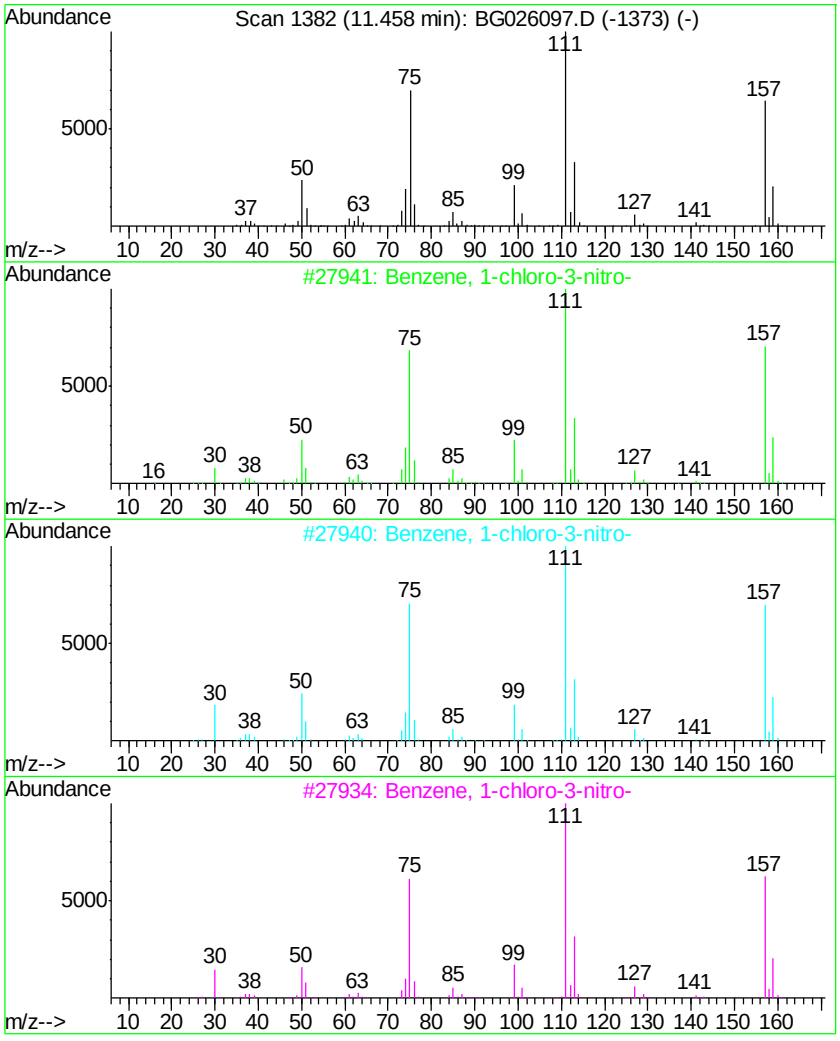
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

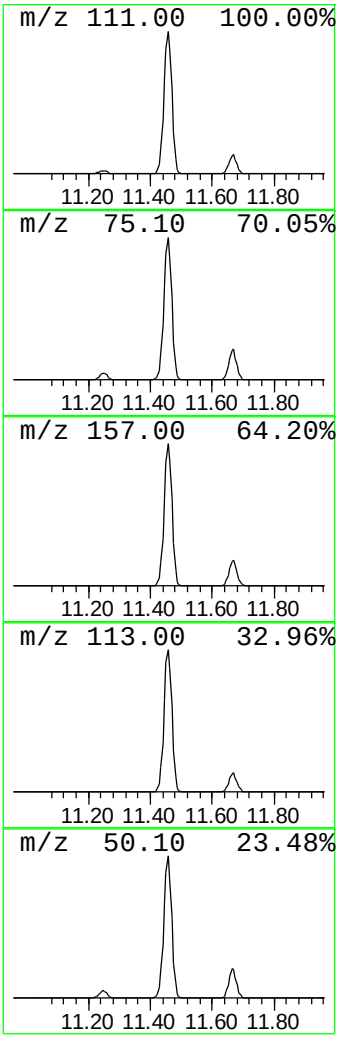
****

Peak Number 6 Benzene, 1-chloro-3-nitro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	95.98 ng/ul	4298980	Naphthalene-d8	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	98
2	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	97
3	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	96
4	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	94
5	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG030717\
Data File : BG026097.D
Acq On : 7 Mar 2017 16:14
Operator : SJ/MA
Sample : I2095-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BB6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION

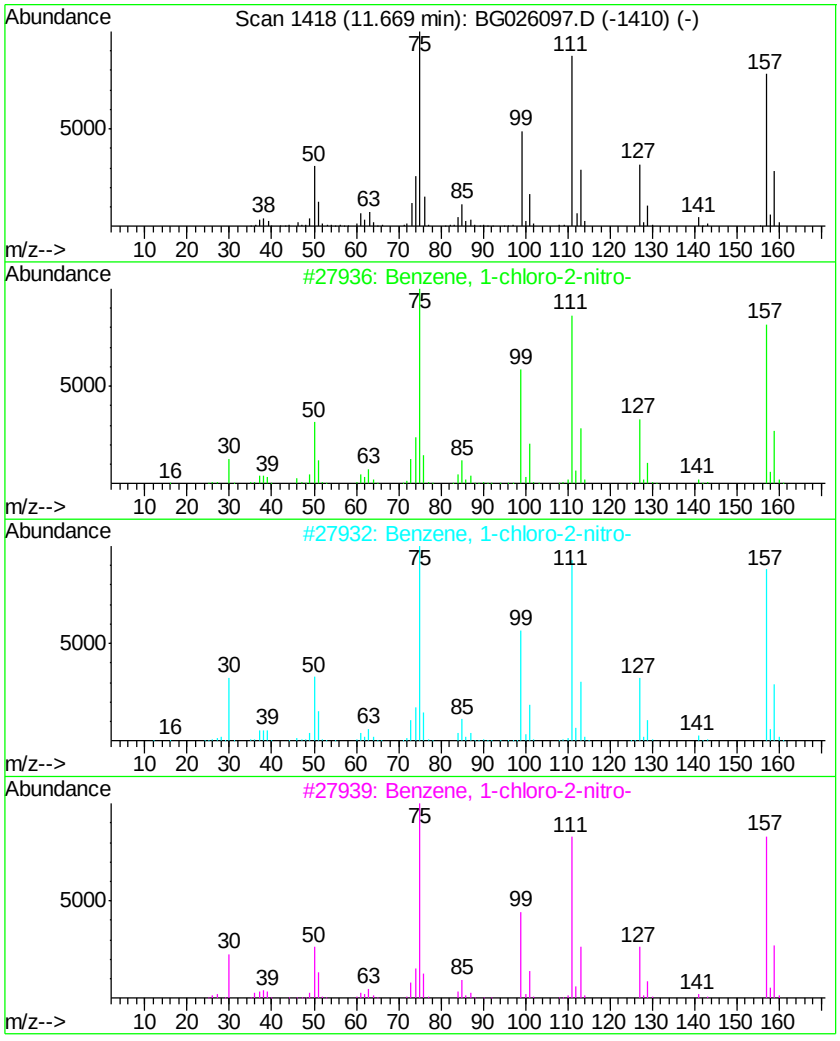
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

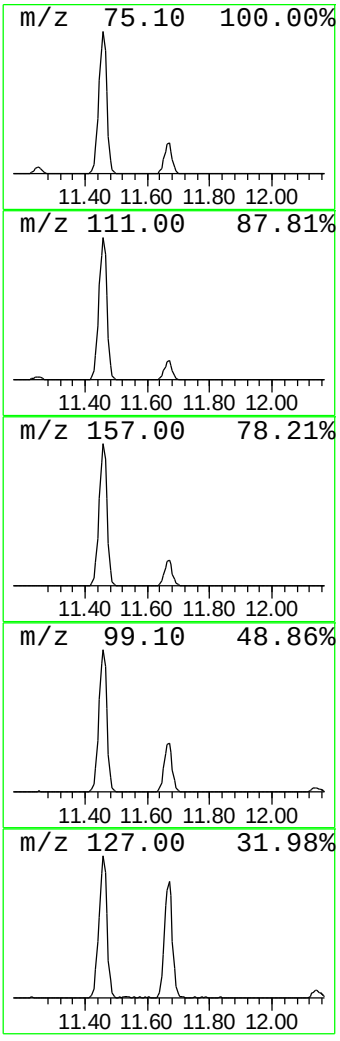
****

Peak Number 7 Benzene, 1-chloro-2-nitro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	19.77 ng/ul	885705	Naphthalene-d8	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	99
2	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	98
3	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	98
4	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	98
5	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	97





Data Path : Z:\HPCHEM1\BNA_G\Data\BG030717\
Data File : BG026097.D
Acq On : 7 Mar 2017 16:14
Operator : SJ/MA
Sample : I2095-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BB6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION

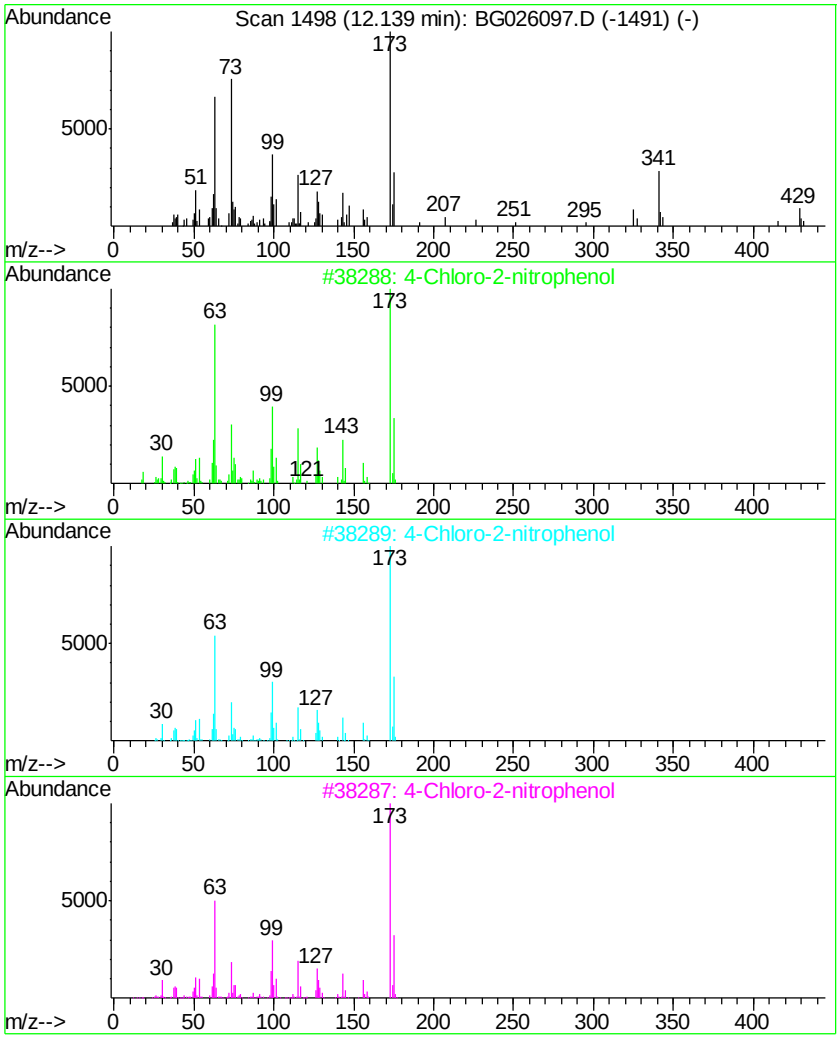
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

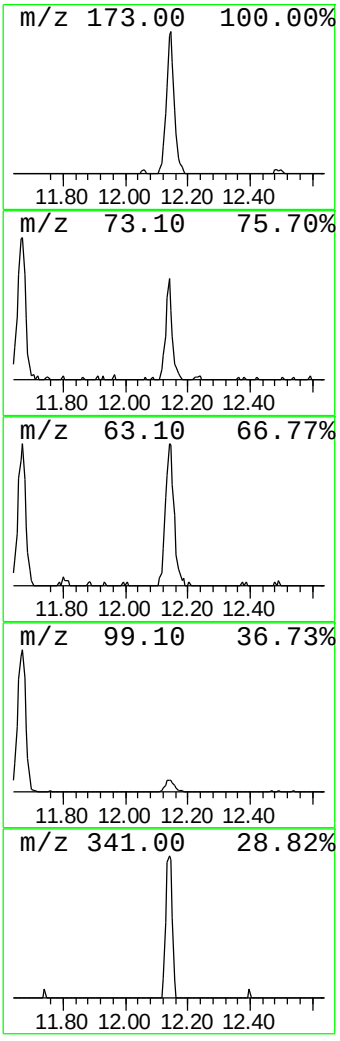
****

Peak Number 8 4-Chloro-2-nitrophenol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	2.93 ng/ul	131154	Naphthalene-d8	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	99
2	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	97
3	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	96
4	Propane, 1,1,2-trichloro-	146	C3H5Cl3	000598-77-6	32
5	Propane, 1,2-dichloro-	112	C3H6Cl2	000078-87-5	16





Data Path : Z:\HPCHEM1\BNA_G\Data\BG030717\
Data File : BG026097.D
Acq On : 7 Mar 2017 16:14
Operator : SJ/MA
Sample : I2095-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BB6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION

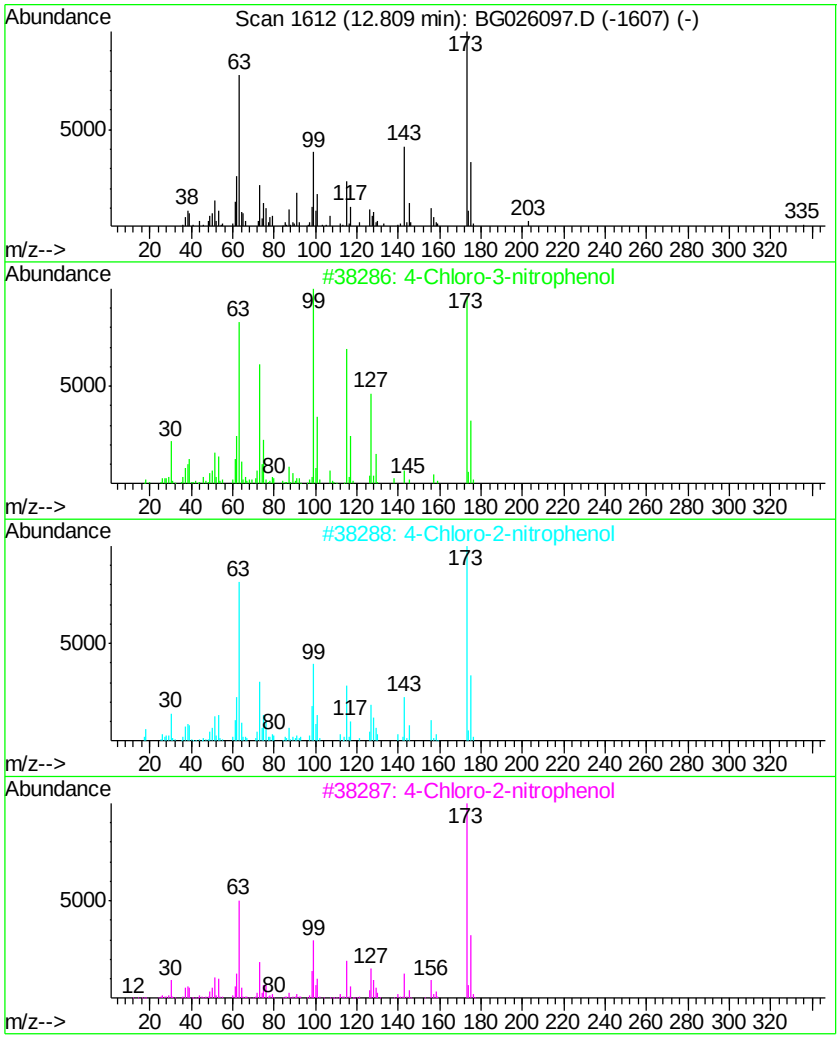
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

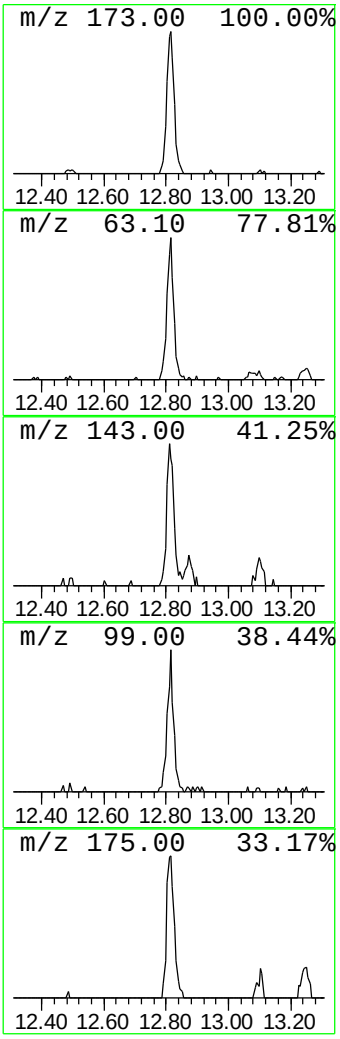
****

Peak Number 9 4-Chloro-3-nitrophenol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	2.21 ng/ul	137299	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-3-nitrophenol	173	C6H4ClNO3	000610-78-6	90
2	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	64
3	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	60
4	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	53
5	3-Chloro-6-diazocyclohexa-2,4-di...	154	C6H3ClN2O	080090-95-5	40





Data Path : Z:\HPCHEM1\BNA_G\Data\BG030717\
Data File : BG026097.D
Acq On : 7 Mar 2017 16:14
Operator : SJ/MA
Sample : I2095-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BB6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION

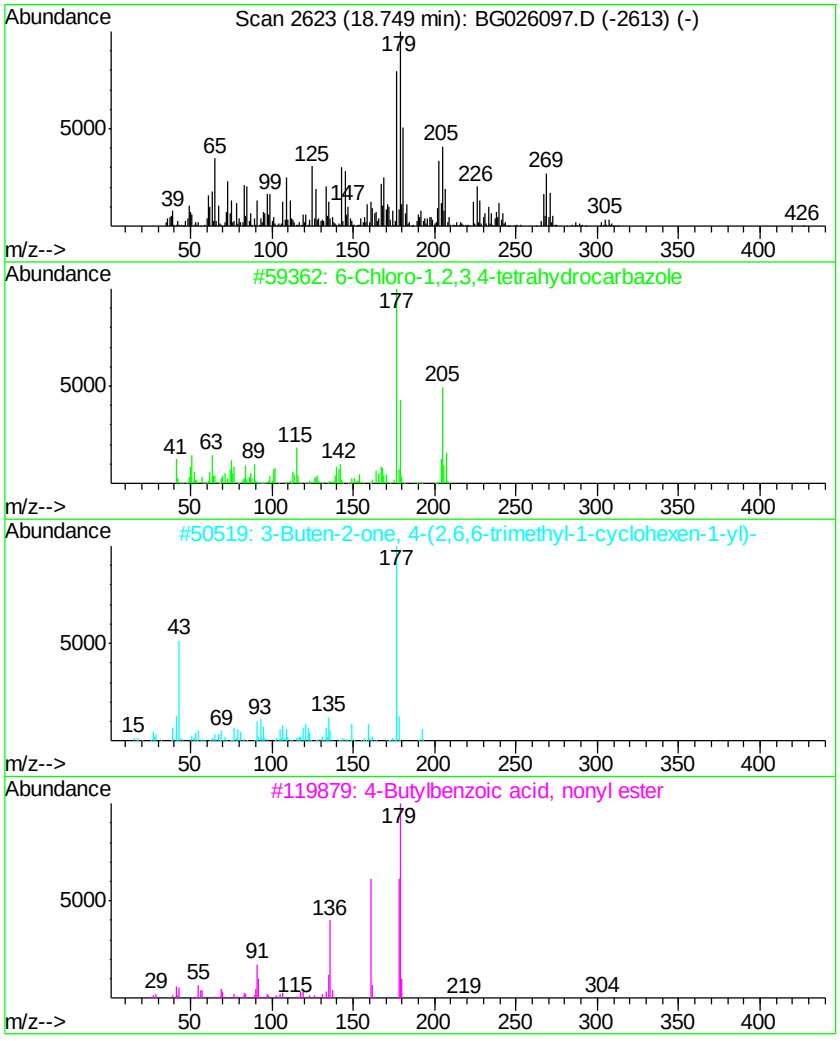
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

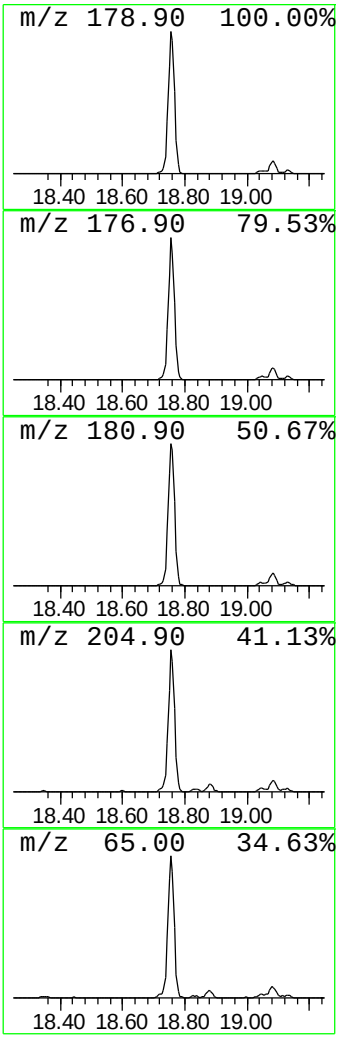
****

Peak Number 10 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	64.64 ng/ul	5059180	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Chloro-1,2,3,4-tetrahydrocarba...	205	C12H12ClN	036684-65-8	38
2	3-Buten-2-one, 4-(2,6,6-trimethy...	192	C13H20O	014901-07-6	25
3	4-Butylbenzoic acid, nonyl ester	304	C20H32O2	1000292-20-6	25
4	4-Chloro-2(1H)-quinolinone	179	C9H6ClNO	020146-59-2	22
5	2(3H)-Benzothiazolone, 3-methyl-...	179	C8H9N3S	001128-67-2	15





Data Path : Z:\HPCHEM1\BNA_G\Data\BG030717\
Data File : BG026097.D
Acq On : 7 Mar 2017 16:14
Operator : SJ/MA
Sample : I2095-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BB6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION

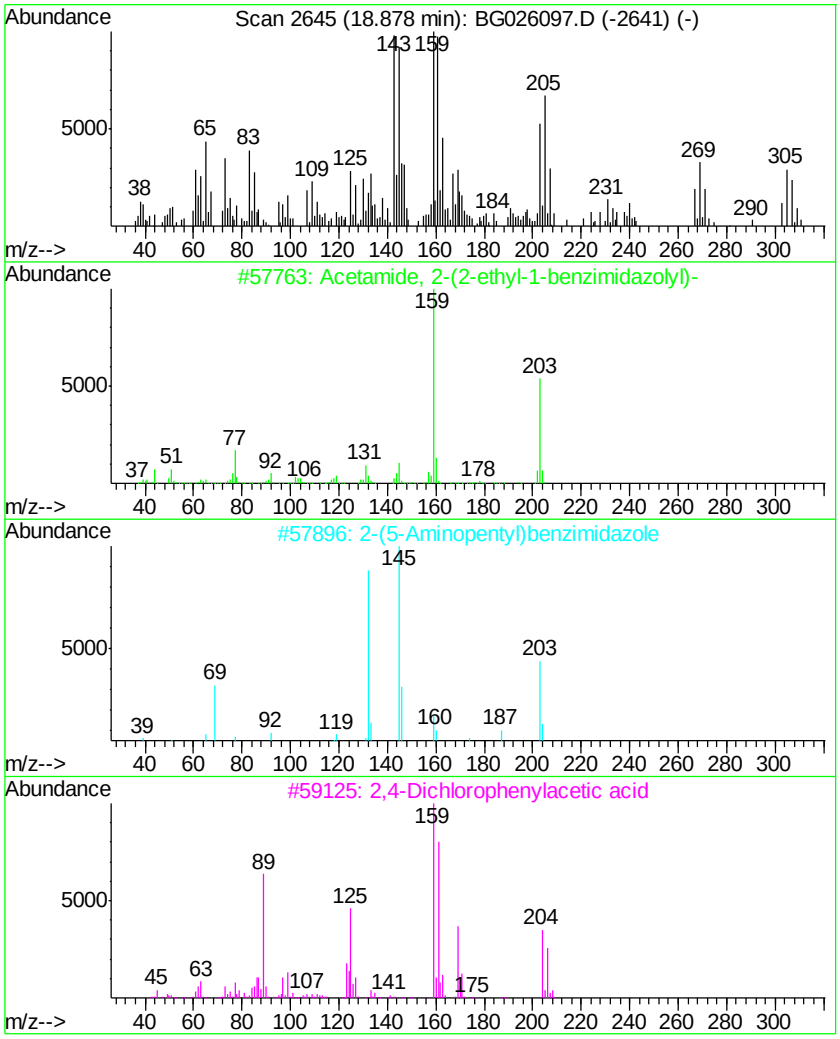
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

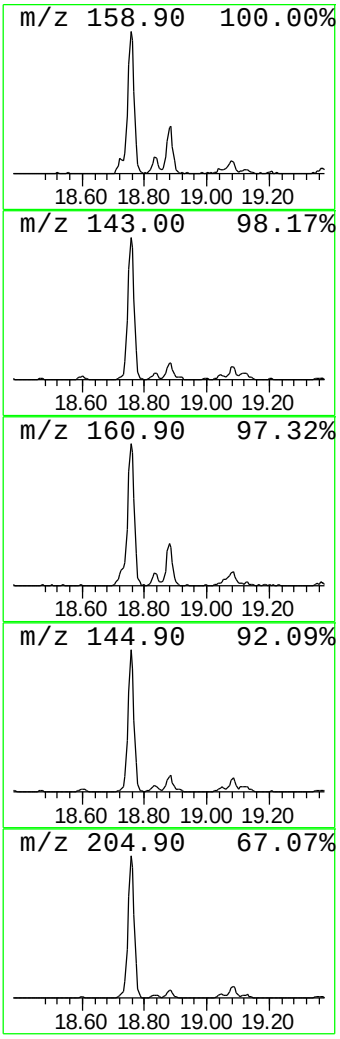
****

Peak Number 11 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	3.21 ng/ul	250877	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, 2-(2-ethyl-1-benzimid...	203	C11H13N3O	054980-94-8	25
2	2-(5-Aminopentyl)benzimidazole	203	C12H17N3	039650-63-0	15
3	2,4-Dichlorophenylacetic acid	204	C8H6Cl2O2	019719-28-9	15
4	Benzene, 2-(bromomethyl)-1,3-dic...	238	C7H5BrCl2	020443-98-5	15
5	2,4-Dichloro-1-dimethyl(trimethy...	320	C13H22Cl2OSi2	1000280-14-1	14





Data Path : Z:\HPCHEM1\BNA_G\Data\BG030717\
Data File : BG026097.D
Acq On : 7 Mar 2017 16:14
Operator : SJ/MA
Sample : I2095-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BB6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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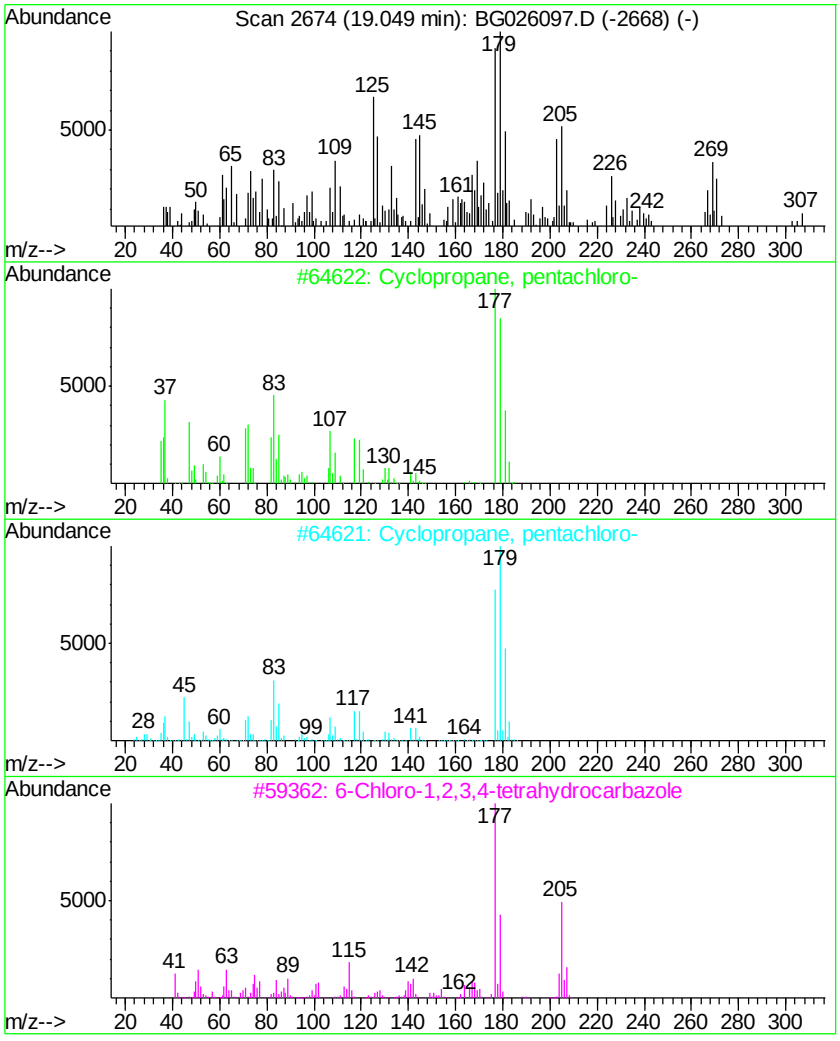
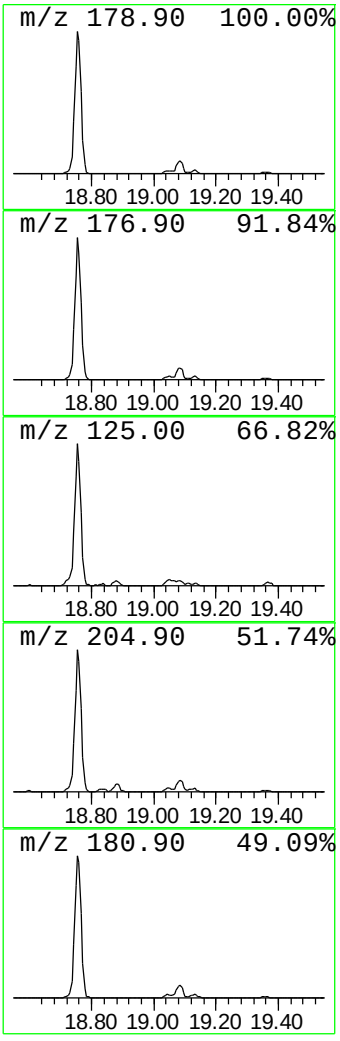
Peak Number 12 unknown-03 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	2.01 ng/ul	157070	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, pentachloro-	212	C3HCl5	006262-51-7	27
2	Cyclopropane, pentachloro-	212	C3HCl5	006262-51-7	25
3	6-Chloro-1,2,3,4-tetrahydrocarba...	205	C12H12ClN	036684-65-8	25
4	N-(5-Bromo-2-t-butyl-6-oxo-6H-[1...	305	C11H16BrNO4	116332-78-6	12
5	6-Bromohexanoic acid, 4-hexadecy...	418	C22H43BrO2	1000282-90-6	12





Data Path : Z:\HPCHEM1\BNA_G\Data\BG030717\
Data File : BG026097.D
Acq On : 7 Mar 2017 16:14
Operator : SJ/MA
Sample : I2095-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BB6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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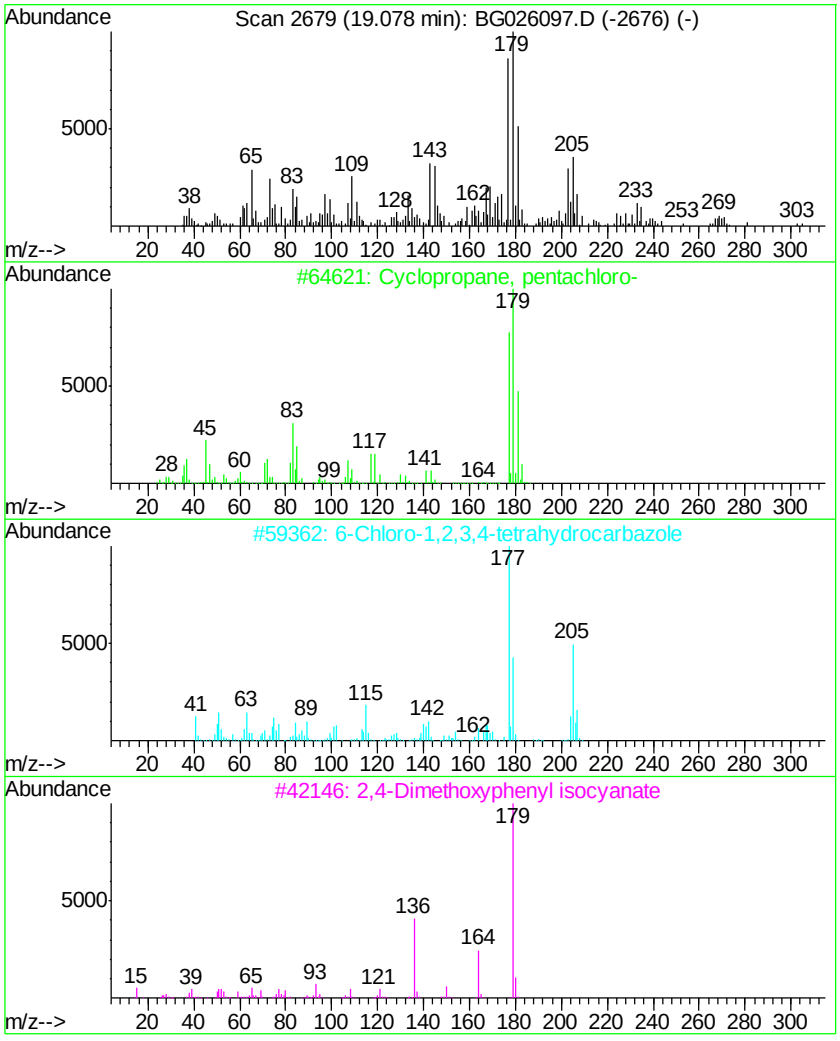
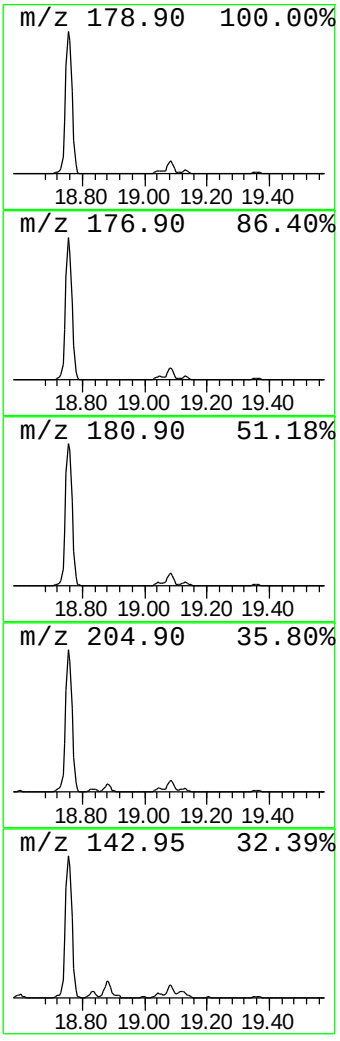
Peak Number 13 Cyclopropane, pentachloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	5.46 ng/ul	427053	Phenanthrene-d10	17.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, pentachloro-	212	C3HCl5	006262-51-7	50
2	6-Chloro-1,2,3,4-tetrahydrocarba...	205	C12H12ClN	036684-65-8	38
3	2,4-Dimethoxyphenyl isocyanate	179	C9H9NO3	084370-87-6	11
4	2',4'-Dimethoxy-3'-methylpropiop...	208	C12H16O3	077942-13-3	11
5	Acetic acid, 11-(triethoxysilyl)...	376	C19H40O5Si	1000221-50-6	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\Data\BG030717\
Data File : BG026097.D
Acq On : 7 Mar 2017 16:14
Operator : SJ/MA
Sample : I2095-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0BB6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030717MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-chloro...	11.46	96.0	ng/ul	4298980	2	10.86	895794	20.0
Benzene, 1-chloro...	11.67	19.8	ng/ul	885705	2	10.86	895794	20.0
4-Chloro-2-nitrop...	12.14	2.9	ng/ul	131154	2	10.86	895794	20.0
4-Chloro-3-nitrop...	12.81	2.2	ng/ul	137299	3	14.67	1240910	20.0
unknown-01	18.75	64.6	ng/ul	5059180	4	17.40	1565450	20.0
unknown-02	18.88	3.2	ng/ul	250877	4	17.40	1565450	20.0
unknown-03	19.05	2.0	ng/ul	157070	4	17.40	1565450	20.0
Cyclopropane, pen...	19.08	5.5	ng/ul	427053	4	17.40	1565450	20.0