LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.144	345	350	357	rBV	15022	25715	2.10%	0.179%
2	5.614	423	430	437	rBV	317915	538538	44.04%	3.751%
3	7.218	695	703	717	rBV	363723	700363	57.27%	4.878%
4	7.588	758	766	779	rBV	352471	617998	50.54%	4.304%
5	8.059	839	846	857	rBV	112568	199164	16.29%	1.387%
6	8.382	893	901	910	rBV	264221	467420	38.22%	3.255%
7	8.828	972	977	985	rBV2	10620	22349	1.83%	0.156%
8	9.234	1038	1046	1056	rBV	213090	410341	33.56%	2.858%
9	10.039	1178	1183	1192	rVB2	9018	16611	1.36%	0.116%
10	10.732	1295	1301	1309	rBV2	19373	34963	2.86%	0.244%
11	10.879	1317	1326	1332	rBV	154294	293110	23.97%	2.041%
12	11.261	1385	1391	1396	rBV3	7379	12939	1.06%	0.090%
13	13.317	1733	1741	1749	rBV	551218	900263	73.62%	6.270%
14	13.499	1762	1772	1776	rBV2	34029	62912	5.14%	0.438%
15	13.623	1788	1793	1801	rVB4	11705	20710	1.69%	0.144%
16	14.016	1853	1860	1865	rBV2	13313	23780	1.94%	0.166%
17	14.140	1877	1881	1889	rVB	29859	47048	3.85%	0.328%
18	14.422	1923	1929	1935	rBV3	17440	30721	2.51%	0.214%
19	14.698	1966	1976	1983	rBV2	251574	410448	33.57%	2.859%
20	15.003	2026	2028	2034	rVB3	10536	13102	1.07%	0.091%
21	15.156	2051	2054	2060	rVB4	9853	12788	1.05%	0.089%
22	15.303	2073	2079	2085	rBV5	6978	14984	1.23%	0.104%
23	15.467	2100	2107	2110	rBV8	8392	20301	1.66%	0.141%
24	15.503	2110	2113	2118	rVB6	10062	14153	1.16%	0.099%
25	15.744	2150	2154	2158	rBV5	7062	13984	1.14%	0.097%
26	16.190	2223	2230	2238	rBV	452474	722076	59.05%	5.029%
27	16.372	2255	2261	2265	rBV6	8258	21554	1.76%	0.150%
28	16.795	2330	2333	2338	rVB6	9779	14591	1.19%	0.102%
29	17.101	2380	2385	2389	rBV7	9596	18323	1.50%	0.128%
30	17.154	2389	2394	2399	rBV2	34840	57499	4.70%	0.400%
31	17.448	2437	2444	2448	rBV	291949	466096	38.12%	3.246%
32	17.489	2448	2451	2458	rVB	97922	140211	11.47%	0.977%
33	17.577	2462	2466	2475	rBV2	22169	43041	3.52%	0.300%
34	18.029	2539	2543	2549	rVB4	15606	23196	1.90%	0.162%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.311	2586	2591	2596	rBV2	48659	103962	8.50%	0.724%
36	18.364	2597	2600	2606	rVB2	43242	68543	5.61%	0.477%
37	18.511	2619	2625	2629	rBV2	38543	82810	6.77%	0.577%
38	18.593	2635	2639	2642	rVB5	12859	18400	1.50%	0.128%
39	18.822	2674	2678	2683	rBV3	21772	36717	3.00%	0.256%
40	19.228	2743	2747	2751	rBV2	33020	55079	4.50%	0.384%
41	19.339	2762	2766	2775	rVB4	69197	112598	9.21%	0.784%
42	19.492	2788	2792	2797	rVB	74715	107861	8.82%	0.751%
43	19.539	2798	2800	2805	rBV6	16254	21240	1.74%	0.148%
44	19.621	2810	2814	2822	rVB2	120887	169503	13.86%	1.181%
45	19.862	2850	2855	2862	rVB	135874	204330	16.71%	1.423%
46	20.044	2881	2886	2897	rVB	824250	1222816	100.00%	8.516%
47	20.185	2905	2910	2914	rBV3	157927	212000	17.34%	1.476%
48	20.232	2914	2918	2926	rVV5	54837	103279	8.45%	0.719%
49	20.326	2929	2934	2940	rVB3	412249	575111	47.03%	4.005%
50	20.597	2976	2980	2985	rBV	448786	580014	47.43%	4.040%
51	20.656	2986	2990	2994	rBV3	115239	158965	13.00%	1.107%
52	20.761	3003	3008	3013	rVB3	164149	272029	22.25%	1.895%
53	20.855	3021	3024	3027	rBV5	35286	38031	3.11%	0.265%
54	20.926	3028	3036	3041	rBV	266173	539046	44.08%	3.754%
55	21.079	3058	3062	3067	rVV2	224546	288574	23.60%	2.010%
56	21.149	3070	3074	3080	rVB	102883	135366	11.07%	0.943%
57	21.384	3110	3114	3121	rVB3	184767	276665	22.63%	1.927%
58	21.455	3122	3126	3133	rVB5	116291	188919	15.45%	1.316%
59	21.519	3134	3137	3142	rBV4	38677	57698	4.72%	0.402%
60	21.737	3166	3174	3188	rVB3	584395	1205661	98.60%	8.397%
61	22.160	3241	3246	3252	rVV5	141087	248799	20.35%	1.733%
62	22.236	3256	3259	3266	rVB6	68572	108938	8.91%	0.759%
63	22.330	3271	3275	3281	rVB3	71245	118505	9.69%	0.825%
64	23.153	3411	3415	3426	rVB6	51449	150998	12.35%	1.052%
65	25.039	3728	3736	3748	rVB	153514	464718	38.00%	3.237%

Sum of corrected areas: 14358467

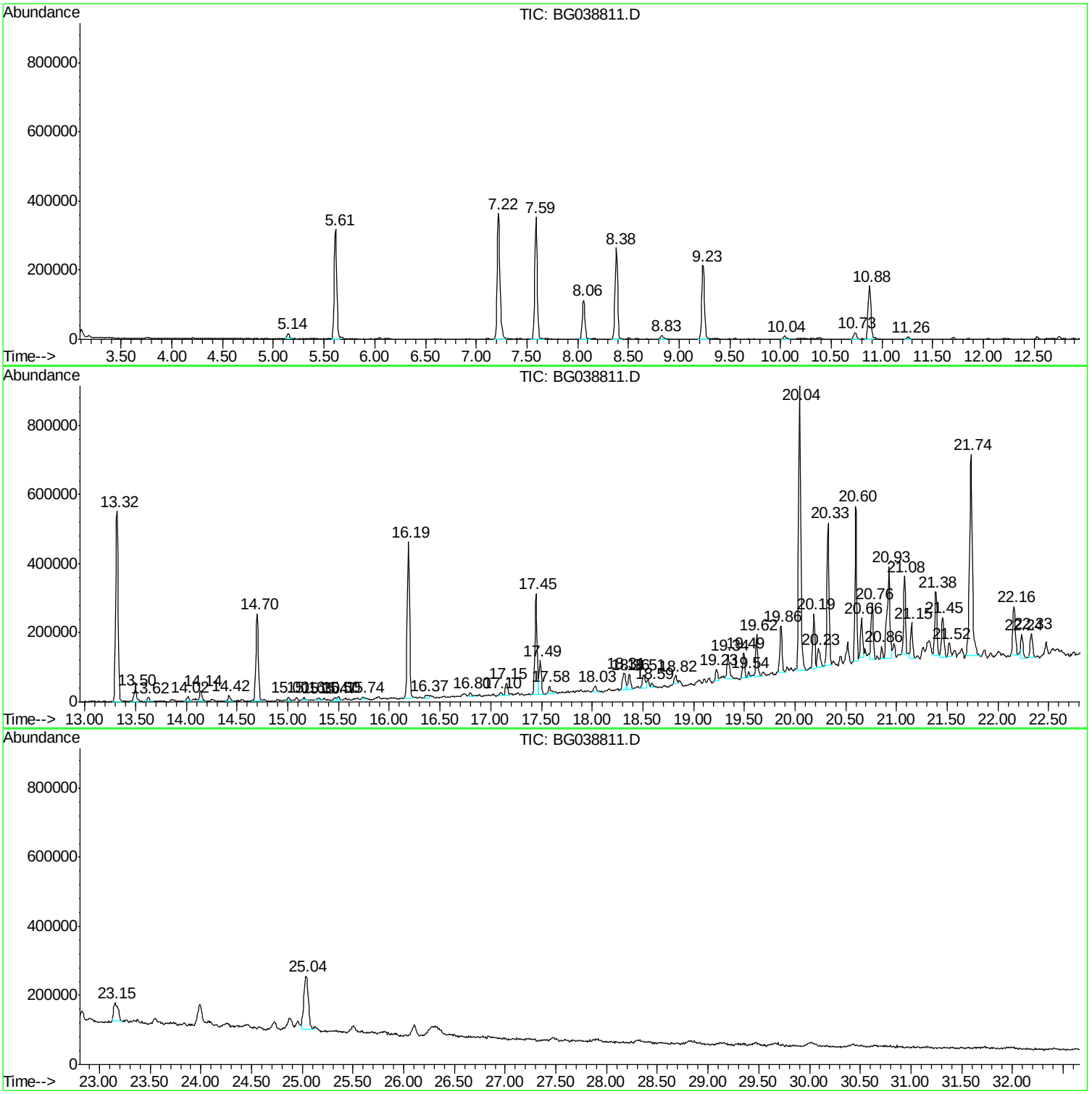
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

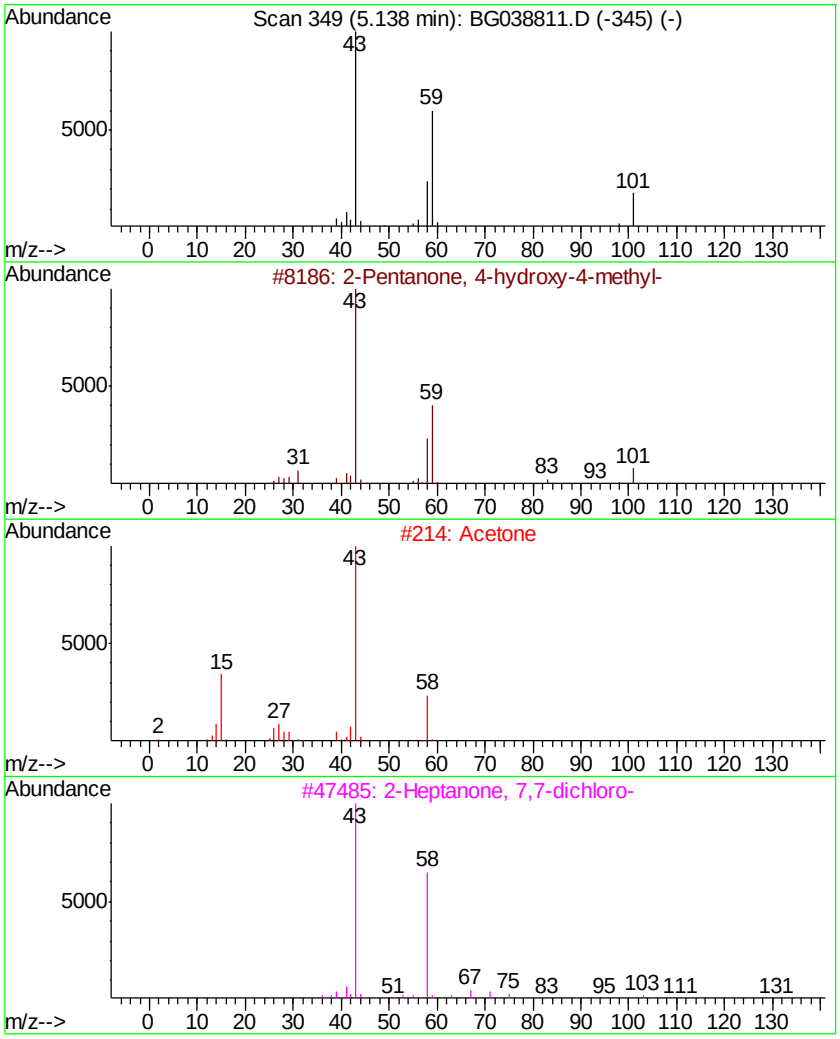
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

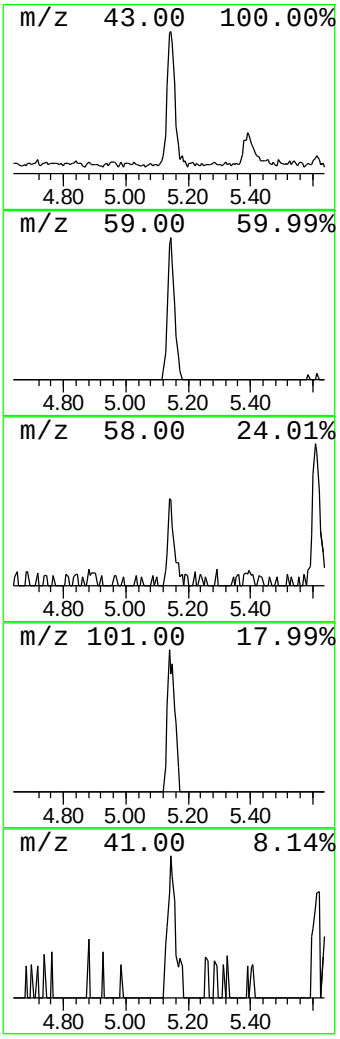
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.14	2.58 ng	25715	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetone	58	C3H6O	000067-64-1	9
3	2-Heptanone, 7,7-dichloro-	182	C7H12Cl2O	066241-43-8	9
4	(2,3,3-Trimethyloxiranyl)methanol	116	C6H12O2	1000306-64-7	9
5	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

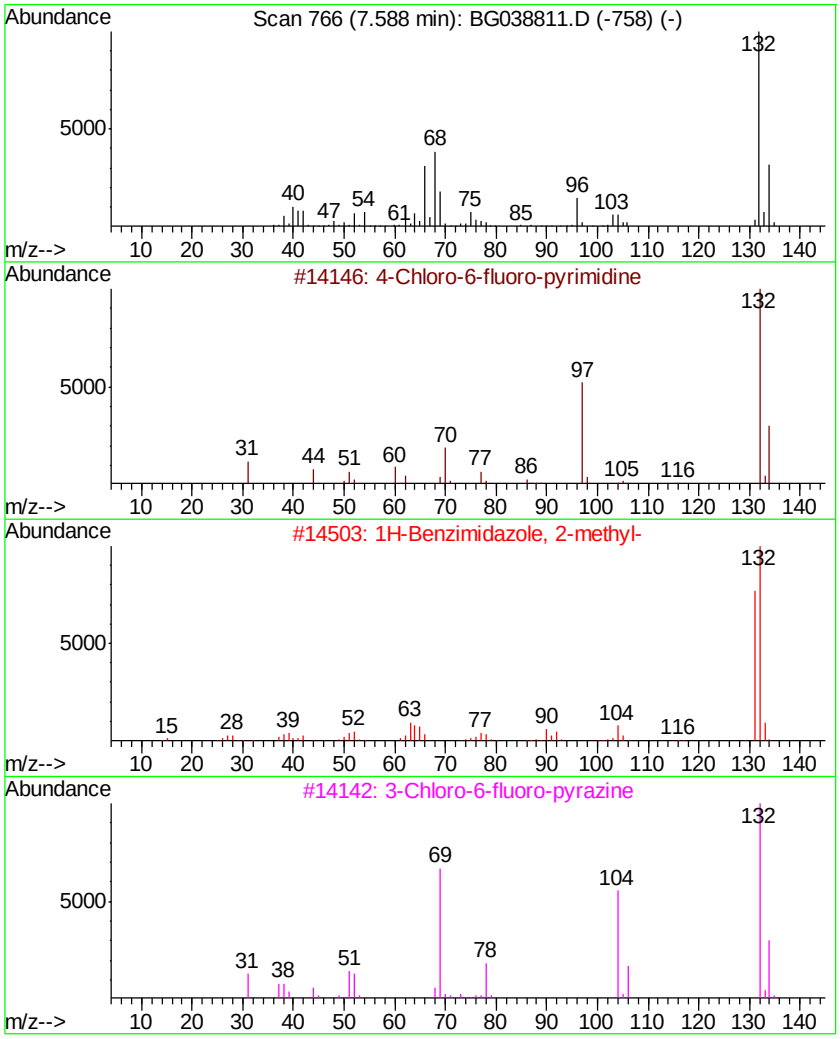
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

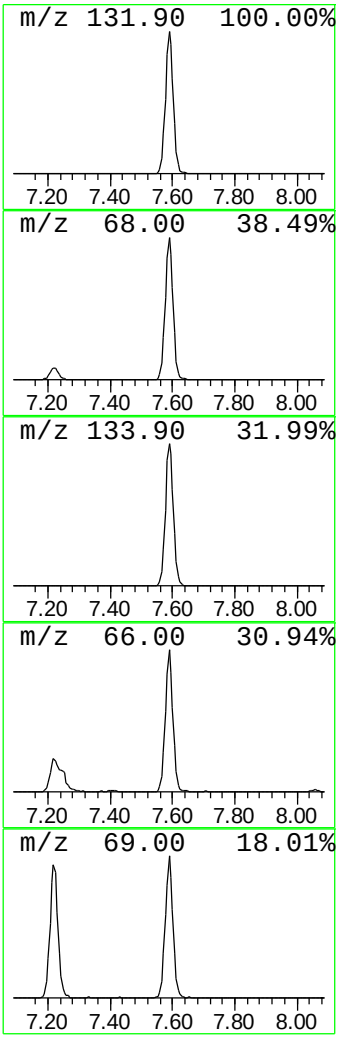
****

Peak Number 2 unknown7.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	62.06 ng	617998	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
4	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	10
5	N-(-3,4-Methylenedioxyphenylisop...	267	C17H17NO2	1000378-96-6	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

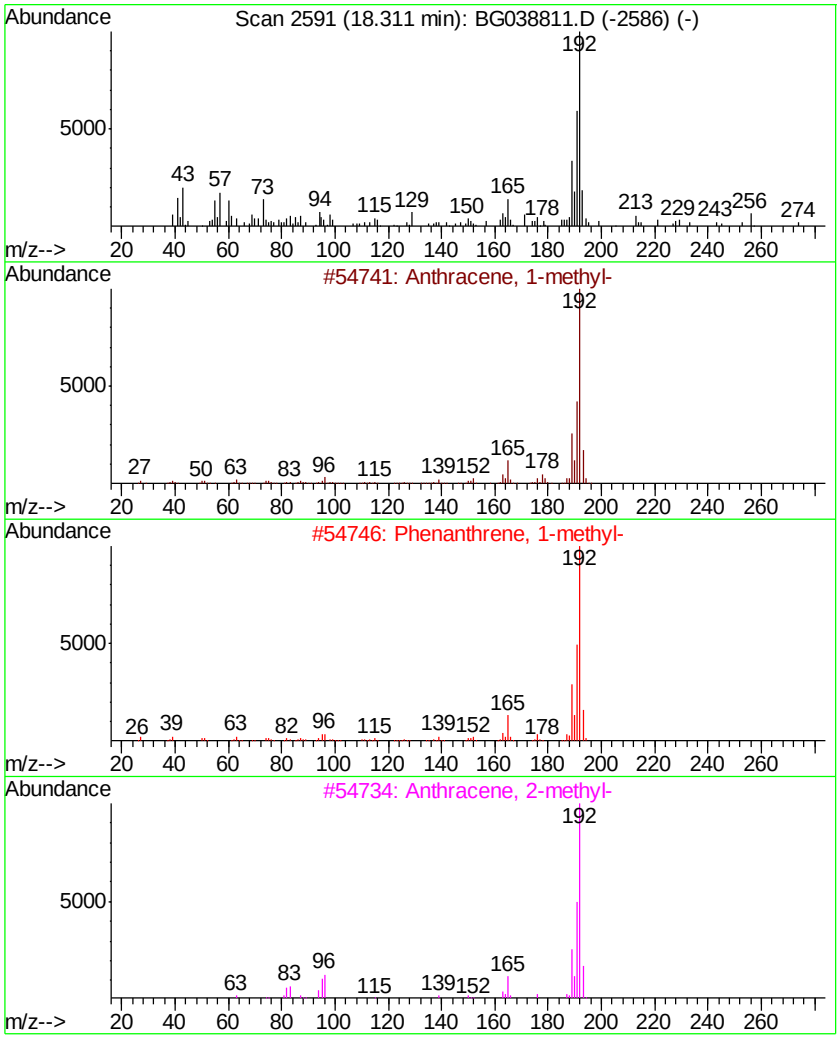
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

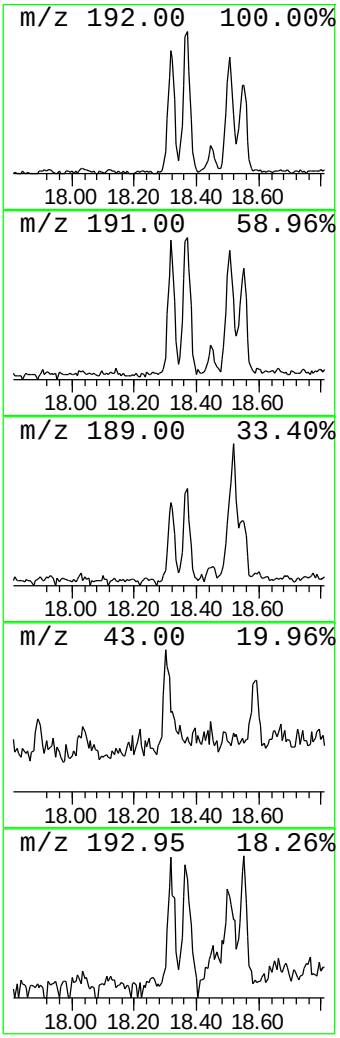
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	4.46 ng	103962	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

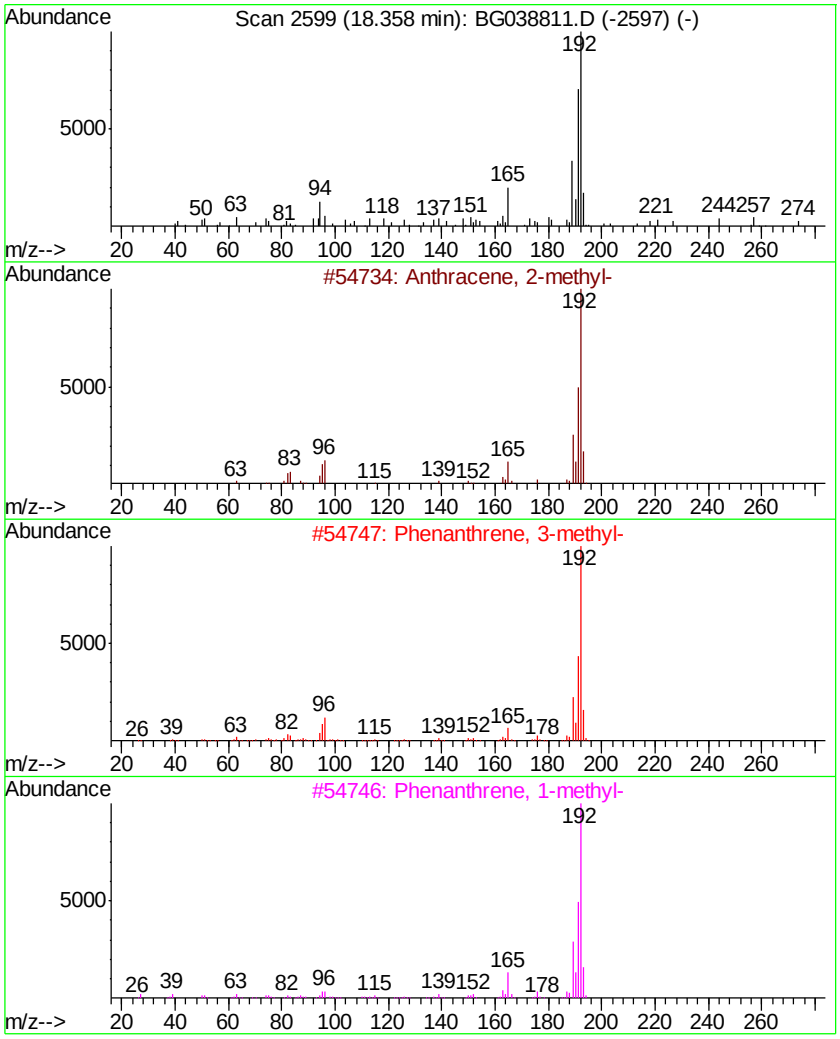
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

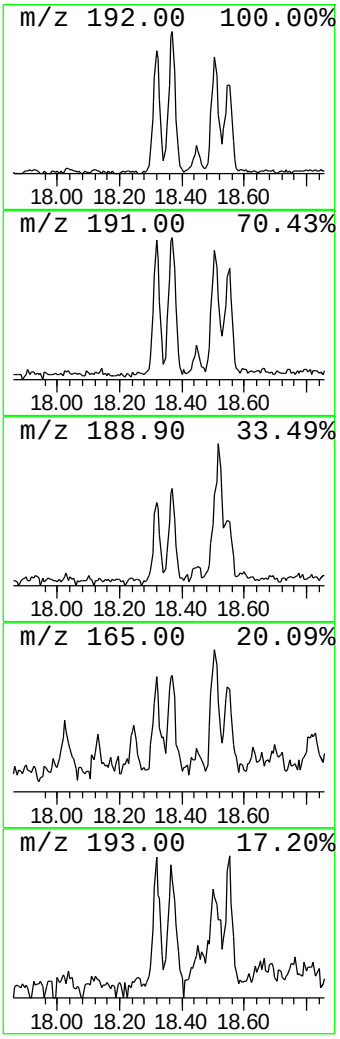
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.94 ng	68543	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

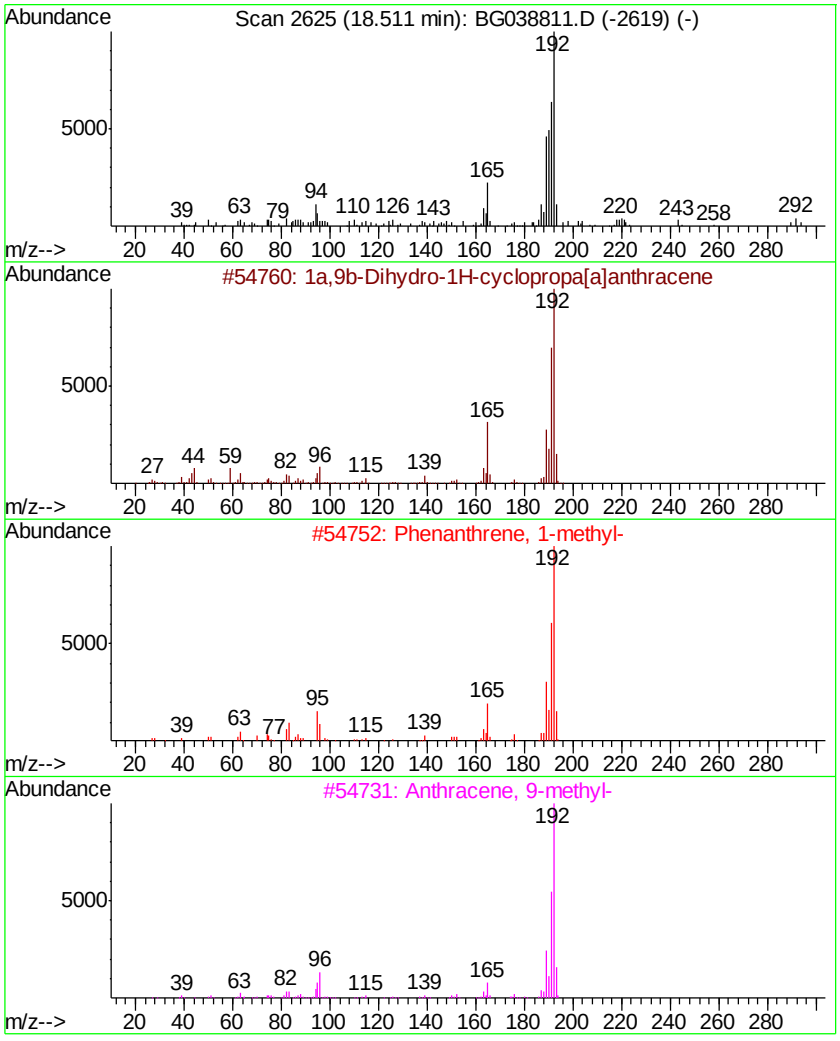
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

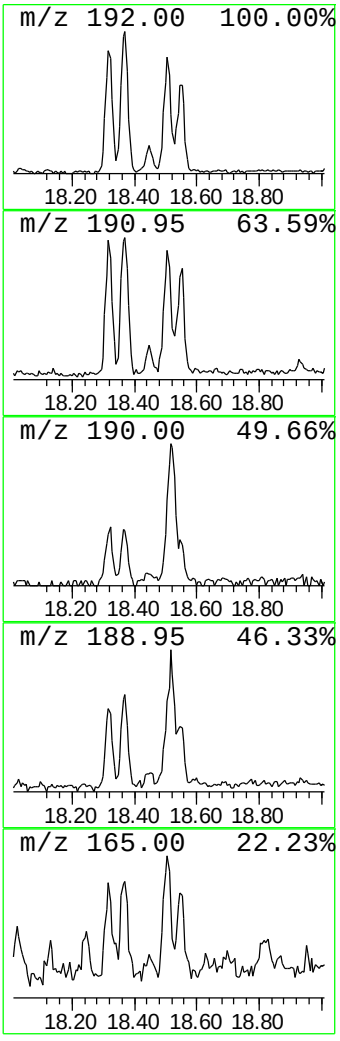
****

Peak Number 7 1a,9b-Dihydro-1H-cyclopropa... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	3.55 ng	82810	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	53
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	53
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	52
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	50
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

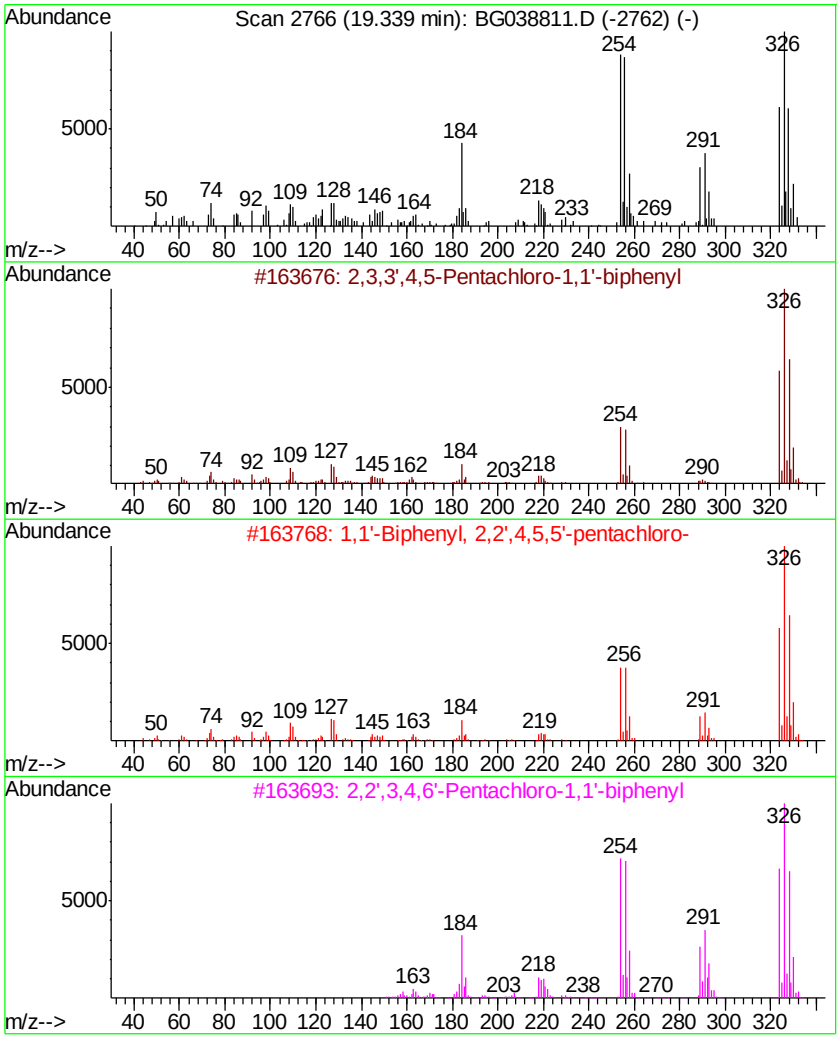
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

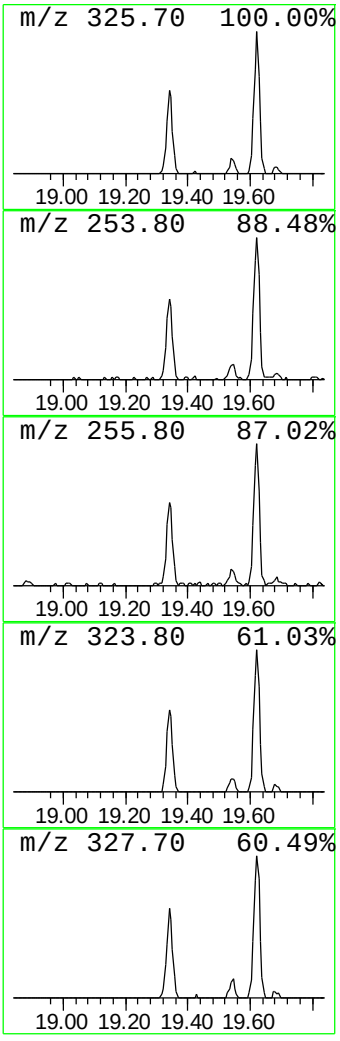
****

Peak Number 8 2,3,3',4,5-Pentachloro-1,1'... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	4.83 ng	112598	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	97
2	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	97
3	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	97
4	1,1'-Biphenyl, 2,2',3,4,5-Pentac...	324	C12H5Cl5	055312-69-1	96
5	2,2',3,4',6-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-05-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

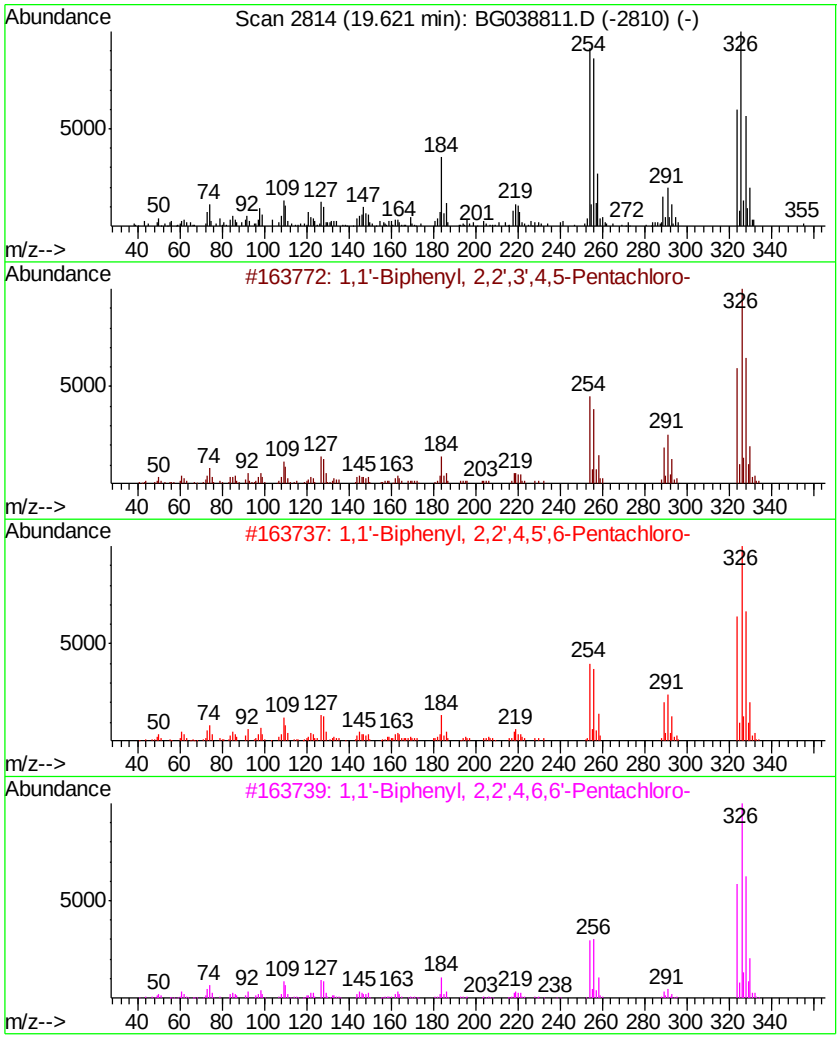
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

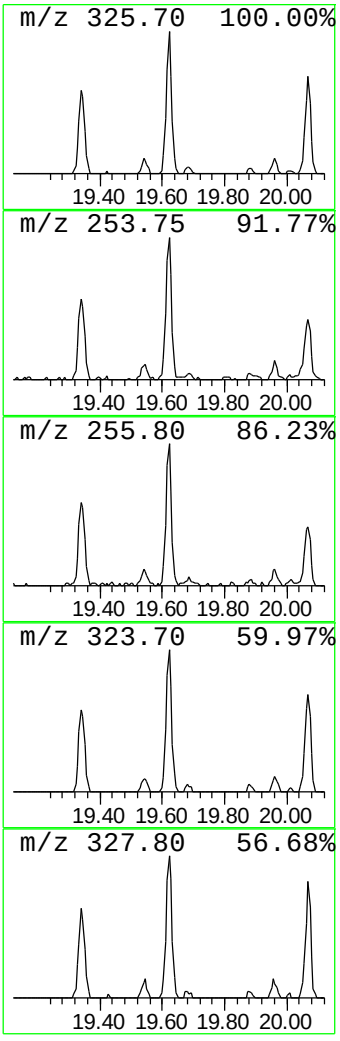
****

Peak Number 9 1,1'-Biphenyl, 2,2',3',4,5-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	2.81 ng	169503	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
2	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	99
3	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5	2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	99





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

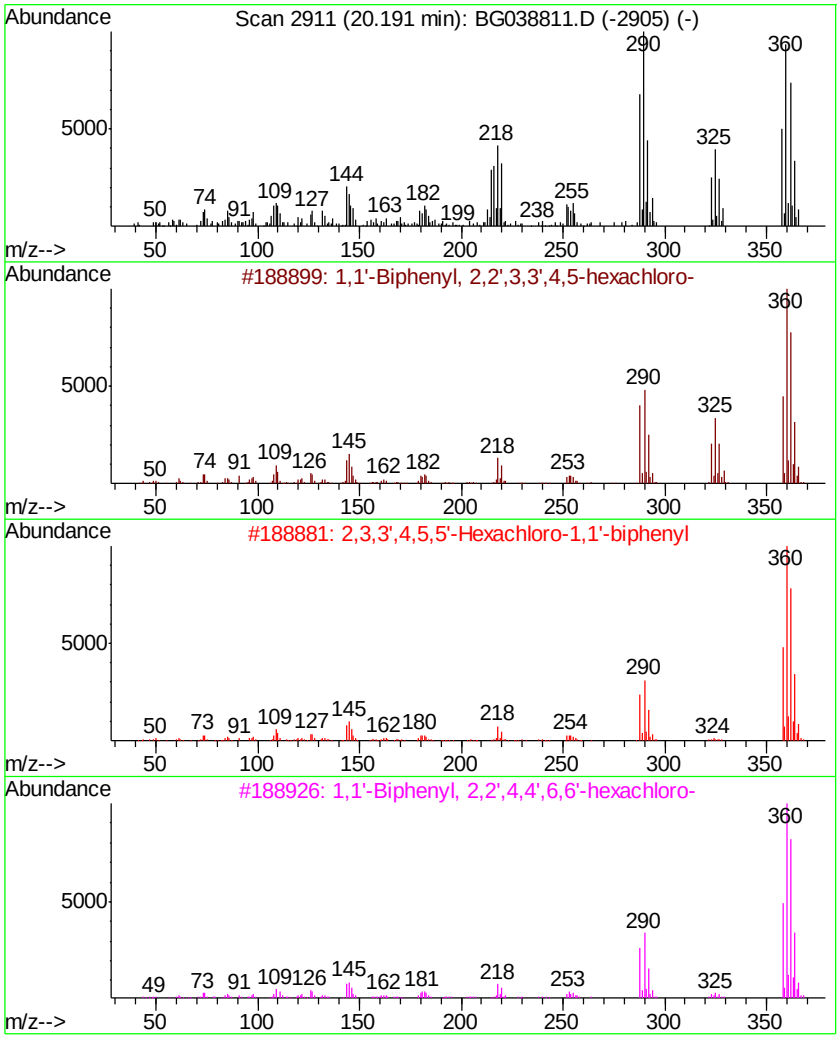
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

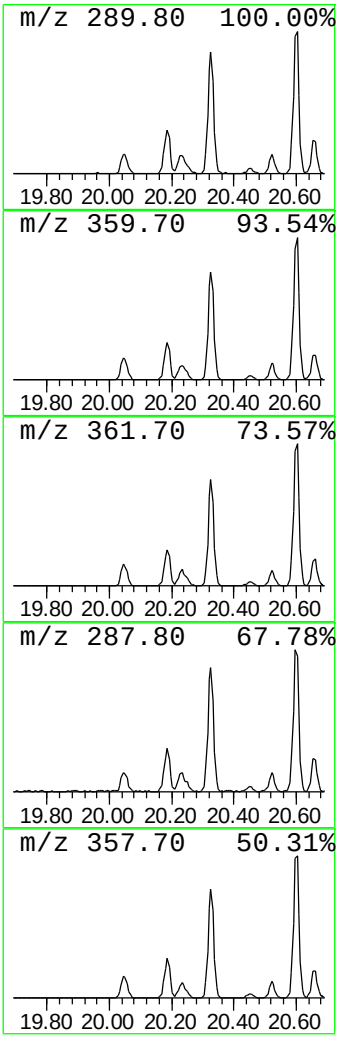
****

Peak Number 10 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	3.52 ng	212000	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
2	2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99
3	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99
4	2,2',3,5,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-09-2	99
5	2,3,3',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	99





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

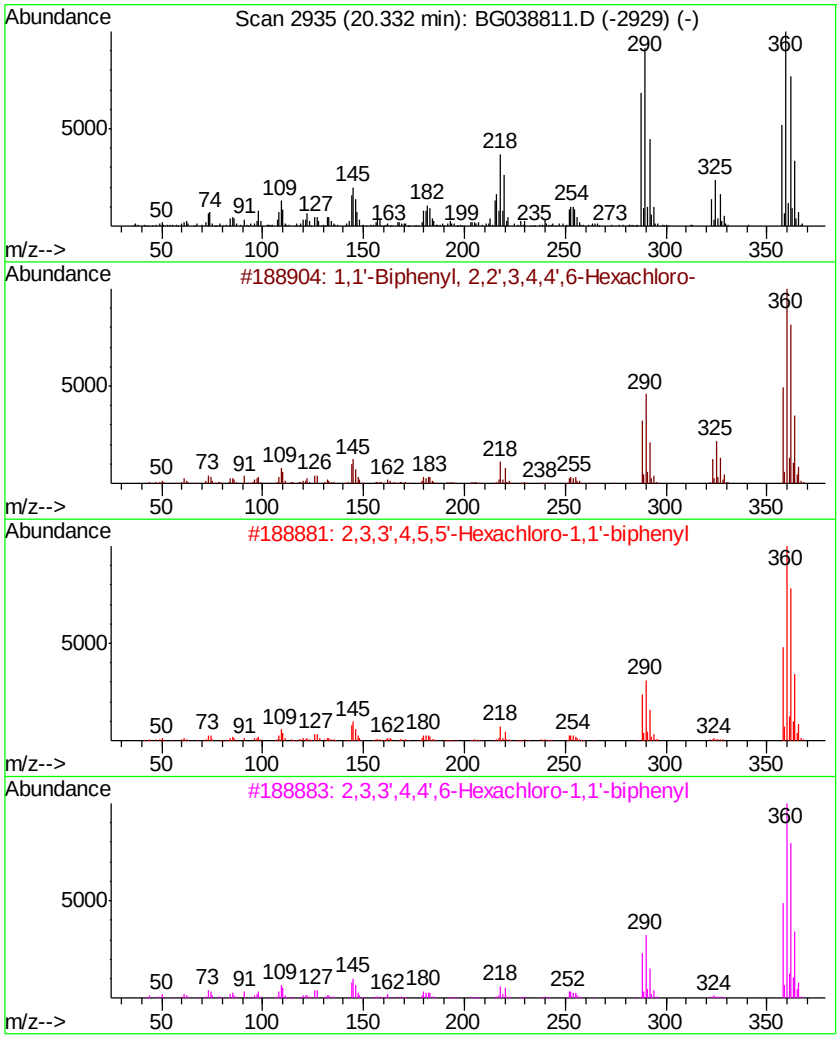
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

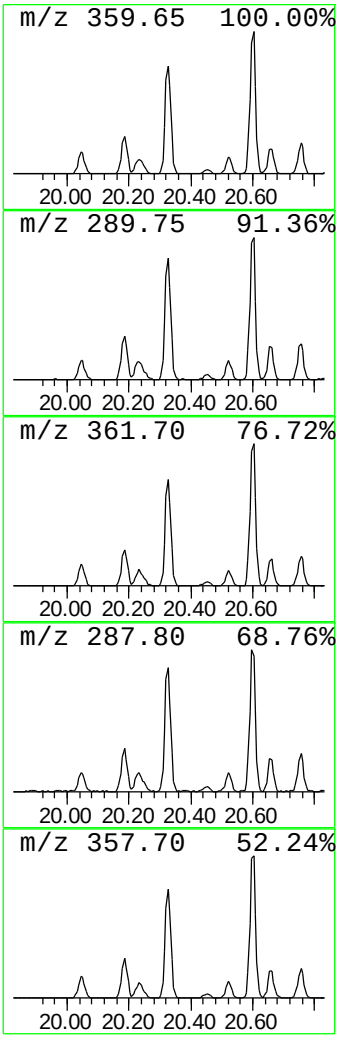
****

Peak Number 11 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	9.54 ng	575111	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
2	2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99
3	2,3,3',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	99
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
5	2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

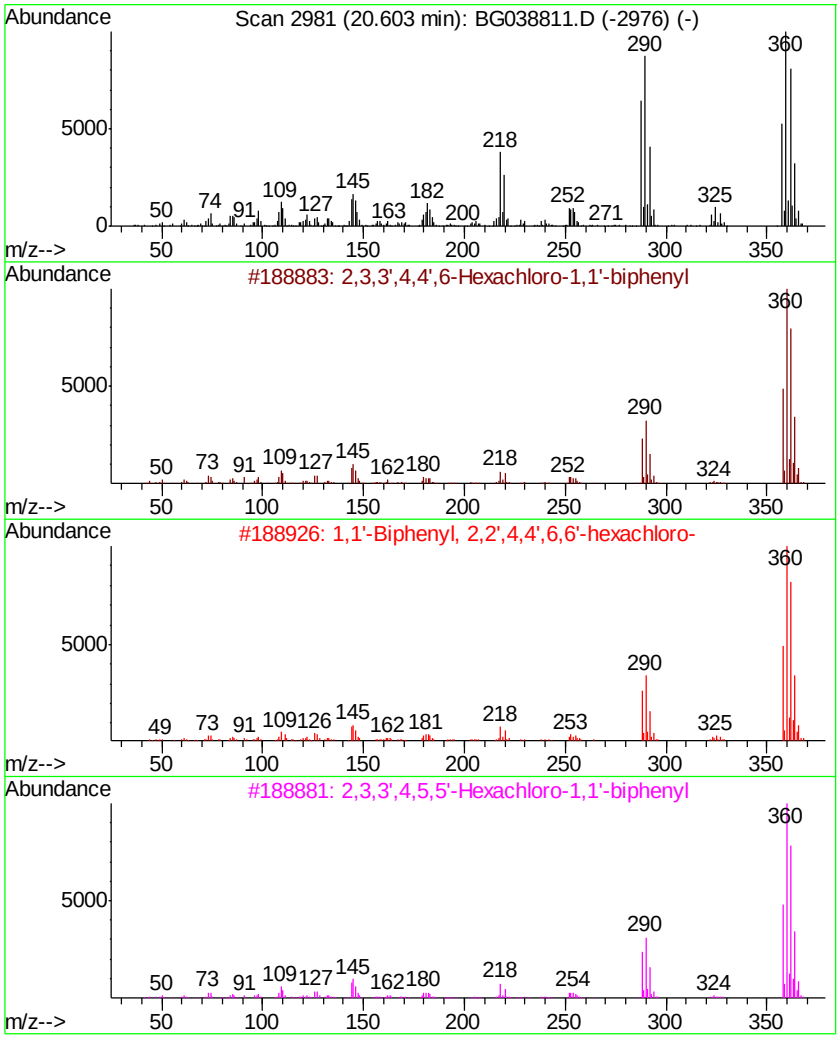
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

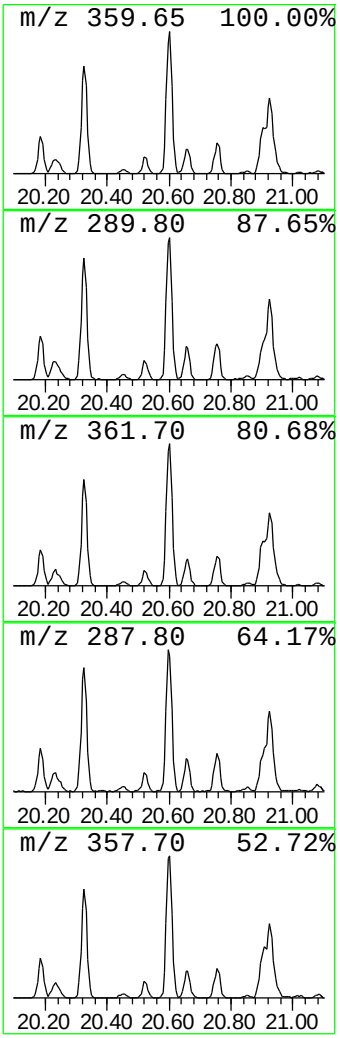
****

Peak Number 12 2,3,3',4,4',6-Hexachloro-1,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.60	9.62 ng	580014	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	99
2	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99
3	2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99
4	2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99
5	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

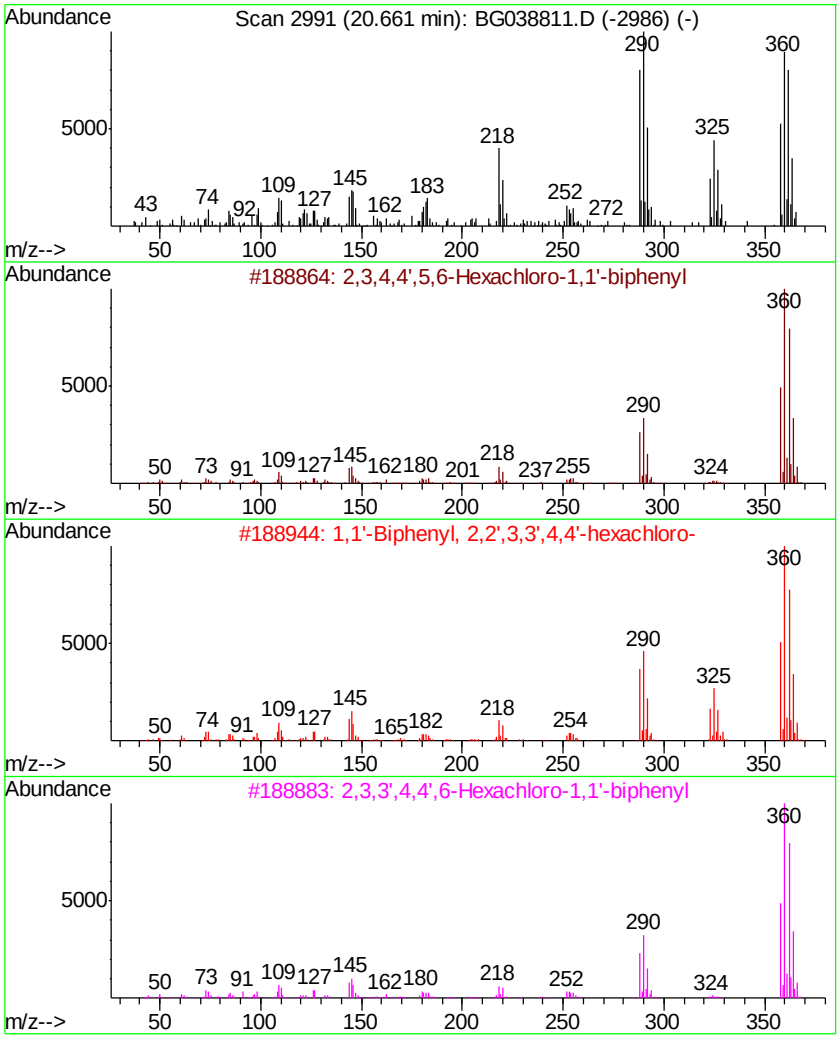
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

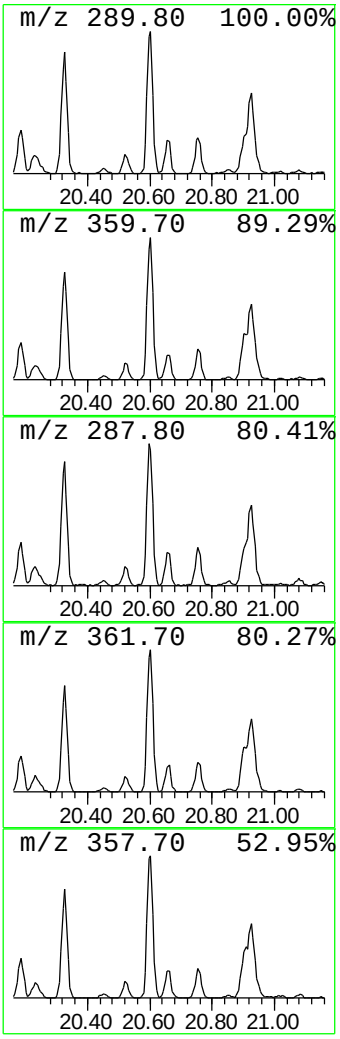
****

Peak Number 13 2,3,4,4',5,6-Hexachloro-1,1... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	2.64 ng	158965	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
2	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
3	2,3,3',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	99
4	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

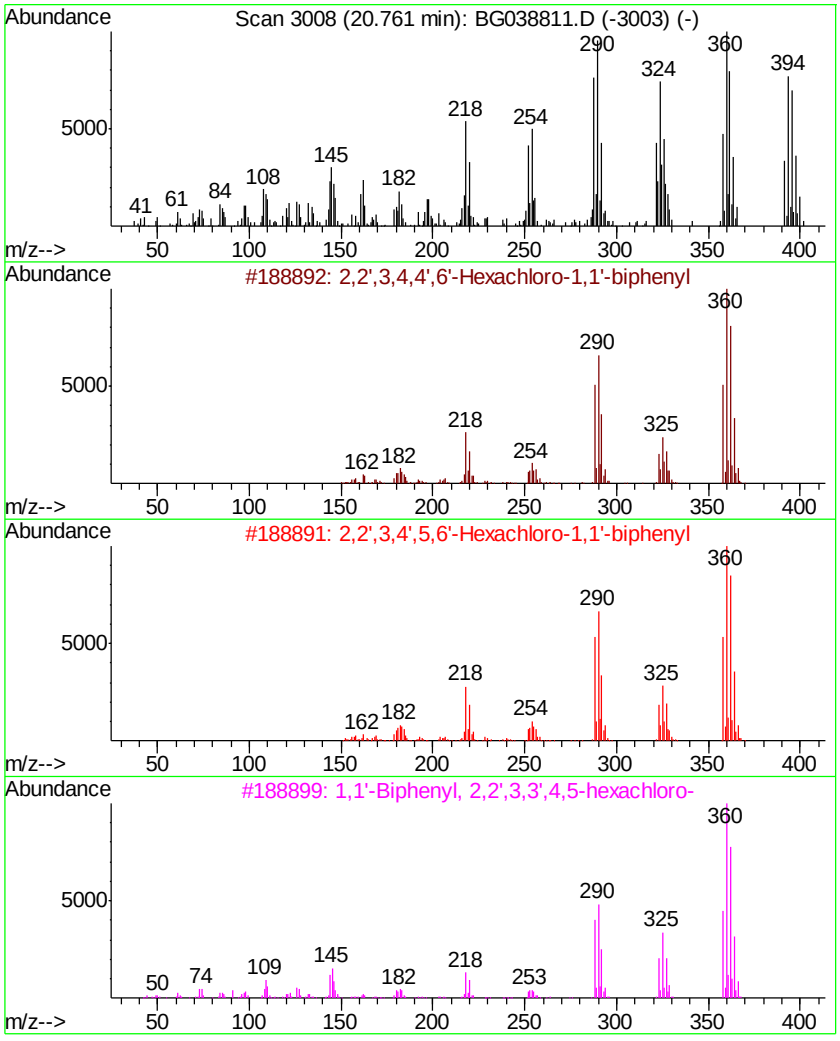
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

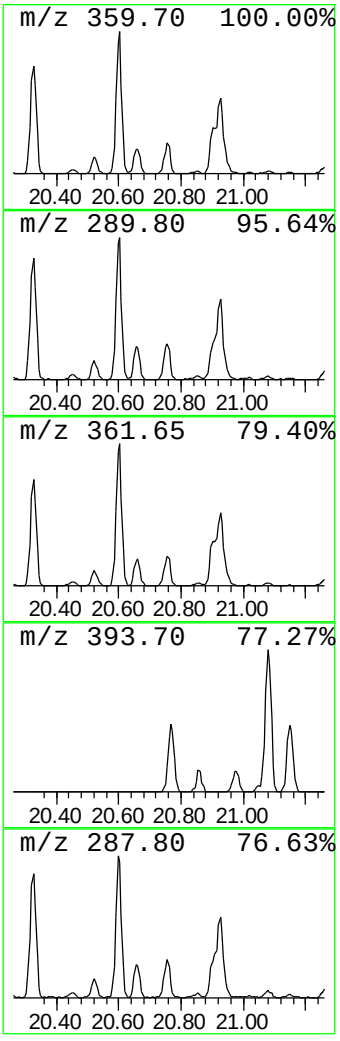
****

Peak Number 14 2,2',3,4,4',6'-Hexachloro-1... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	4.51 ng	272029	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	97
2	2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	97
3	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	97
4	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	97
5	2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

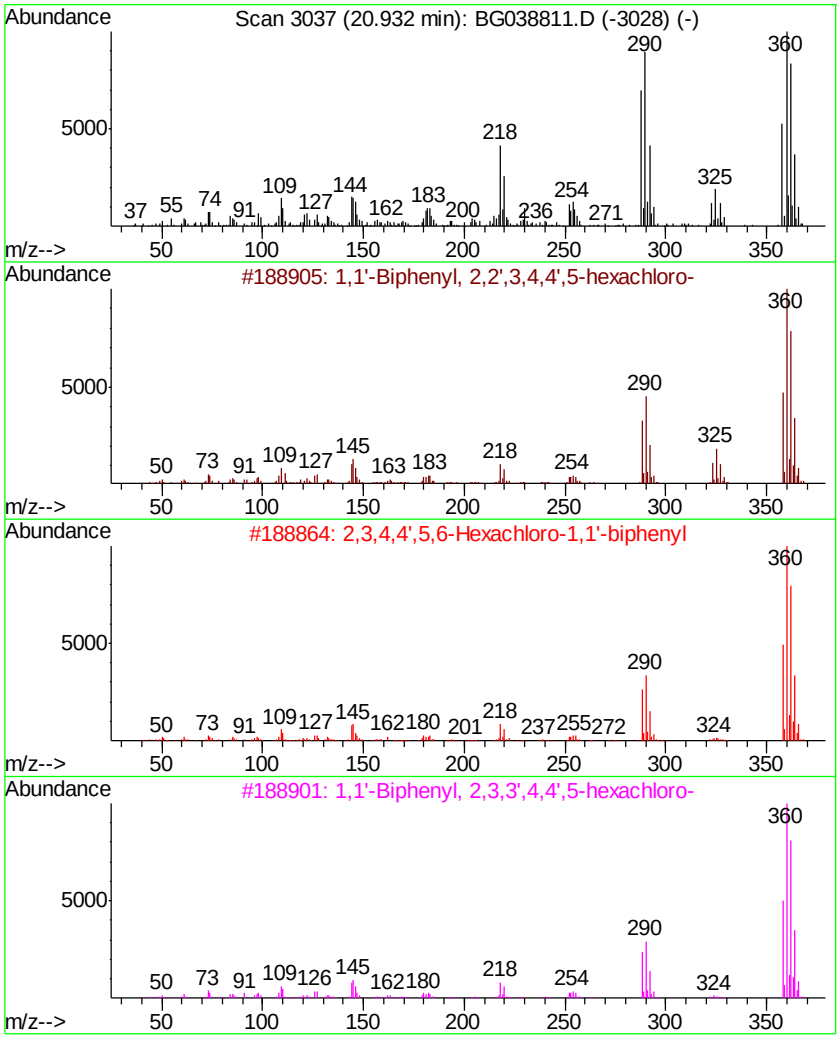
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

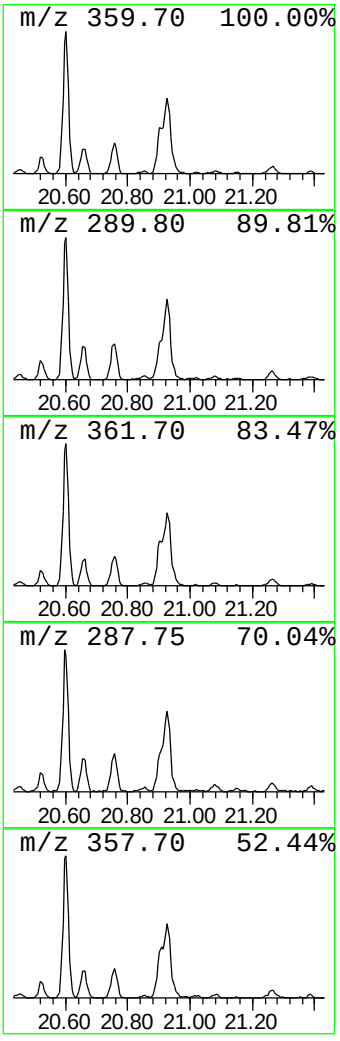
****

Peak Number 15 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	8.94 ng	539046	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
2	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
3	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4	2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99
5	2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

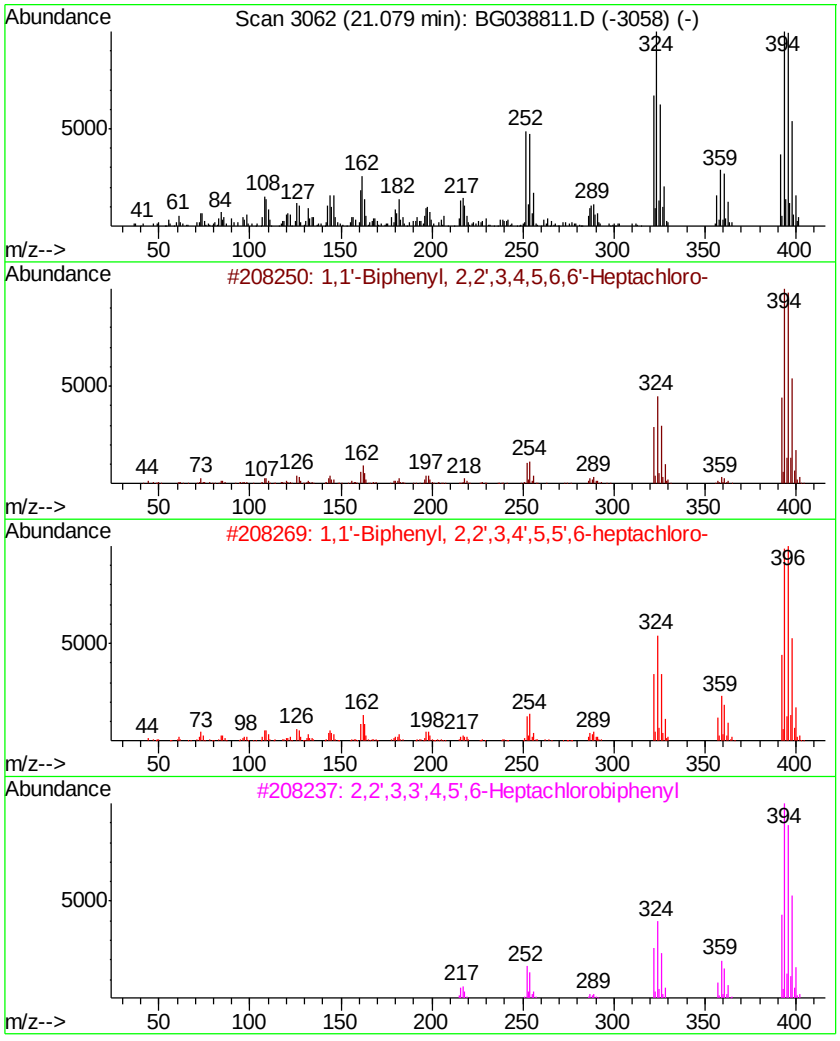
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

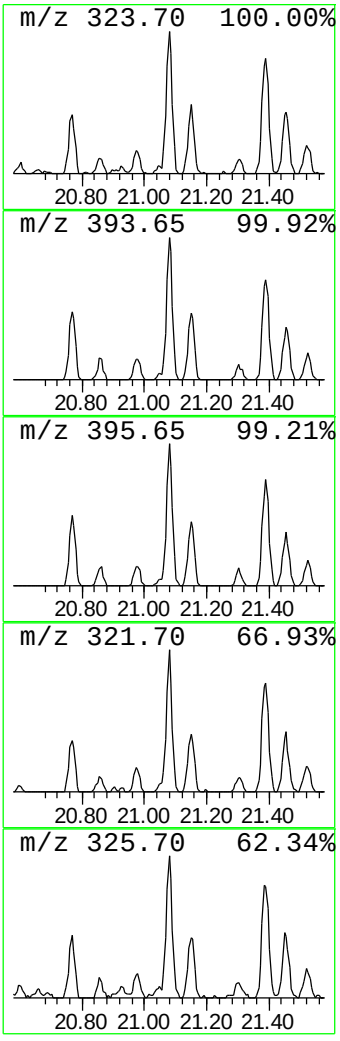
****

Peak Number 16 1,1'-Biphenyl, 2,2',3,4,5,6... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	4.79 ng	288574	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99
2	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
3	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
4	2,2',3,4',5,6,6'-Heptachloro-1,1...	392	C12H3Cl7	074487-85-7	99
5	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

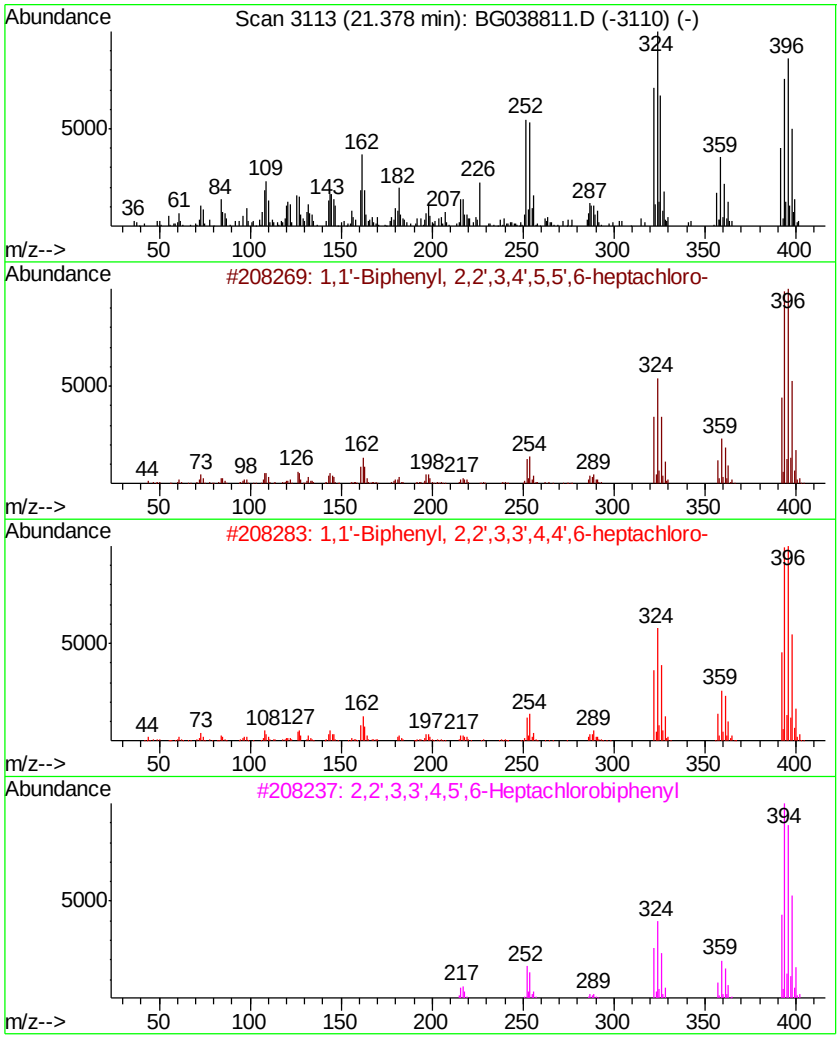
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

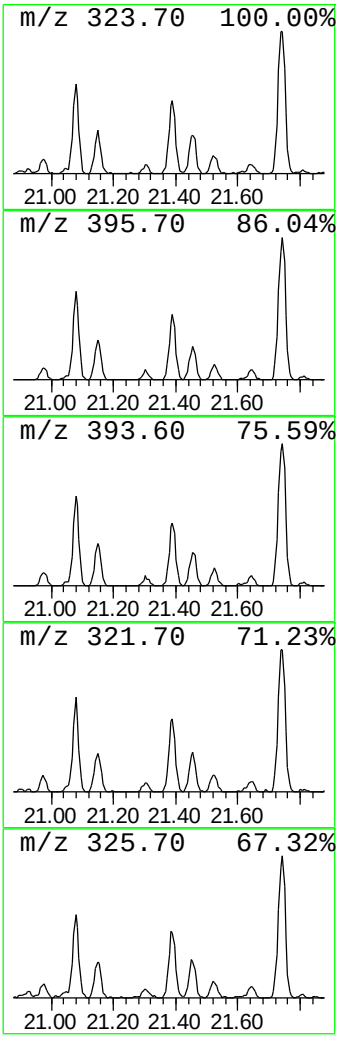
****

Peak Number 17 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	4.59 ng	276665	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
3	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
4	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99
5	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

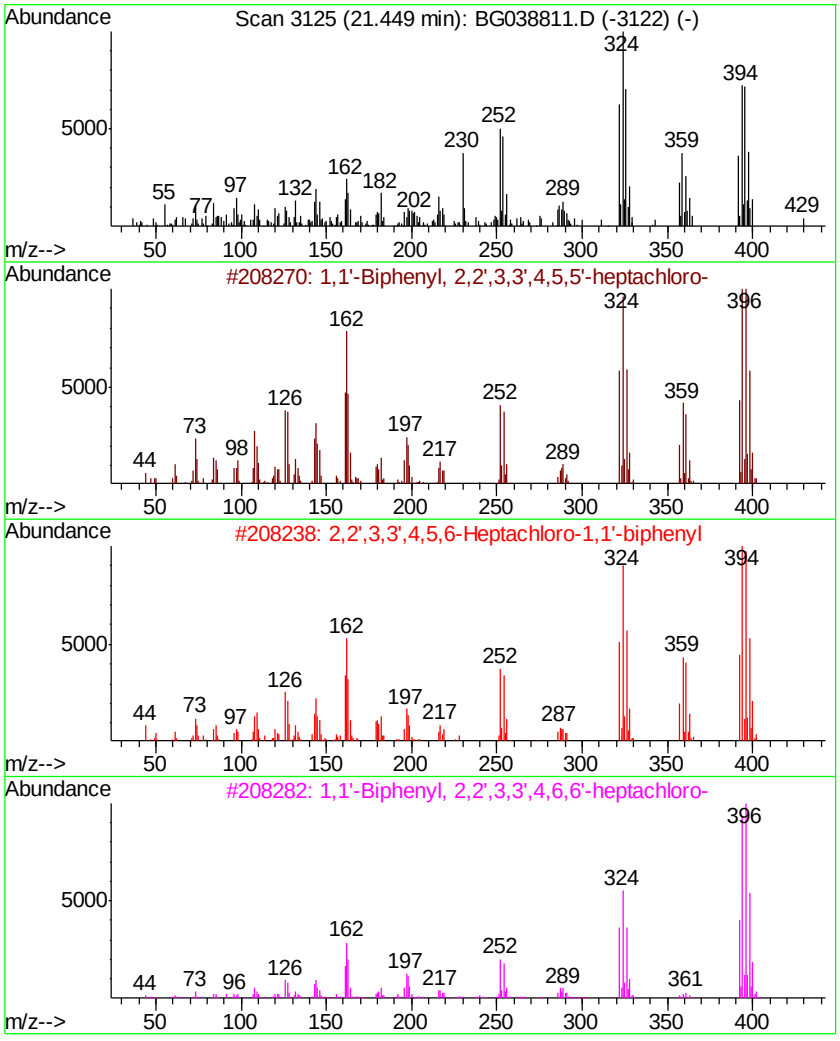
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

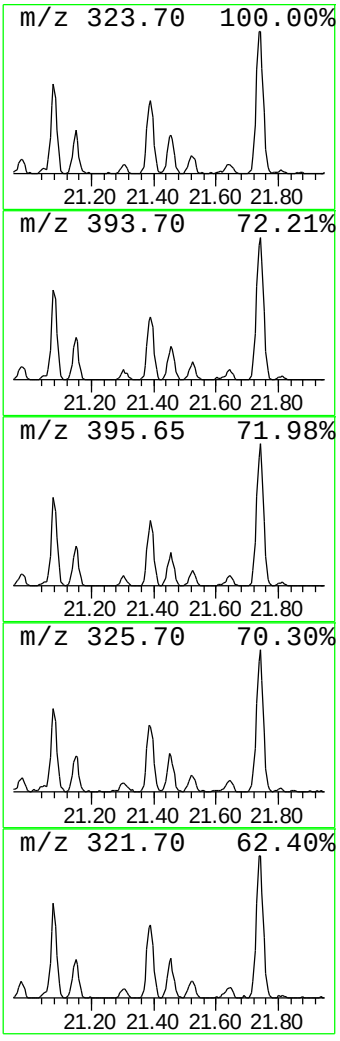
****

Peak Number 18 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.45	3.13 ng	188919	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5,5'-...	392	C12H3Cl7	052663-74-8	95
2	2,2',3,3',4,5,6-Heptachloro-1,1'...	392	C12H3Cl7	068194-16-1	95
3	1,1'-Biphenyl, 2,2',3,3',4,6,6'-...	392	C12H3Cl7	052663-65-7	95
4	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	95
5	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

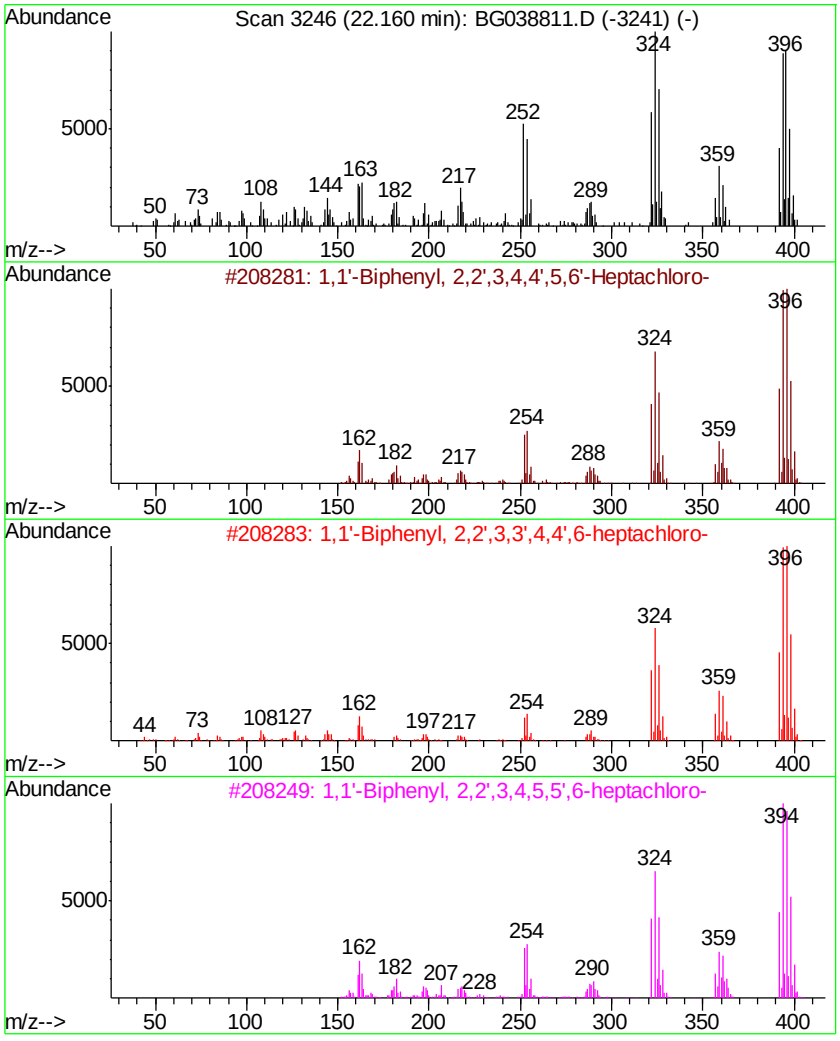
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

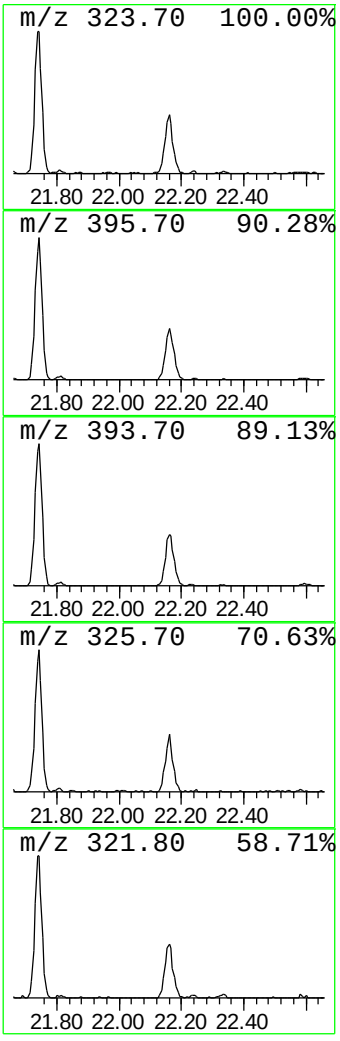
****

Peak Number 19 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.16	4.13 ng	248799	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	96
2	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	96
3	1,1'-Biphenyl, 2,2',3,4,5,5',6-h...	392	C12H3Cl7	052712-05-7	96
4	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	96
5	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

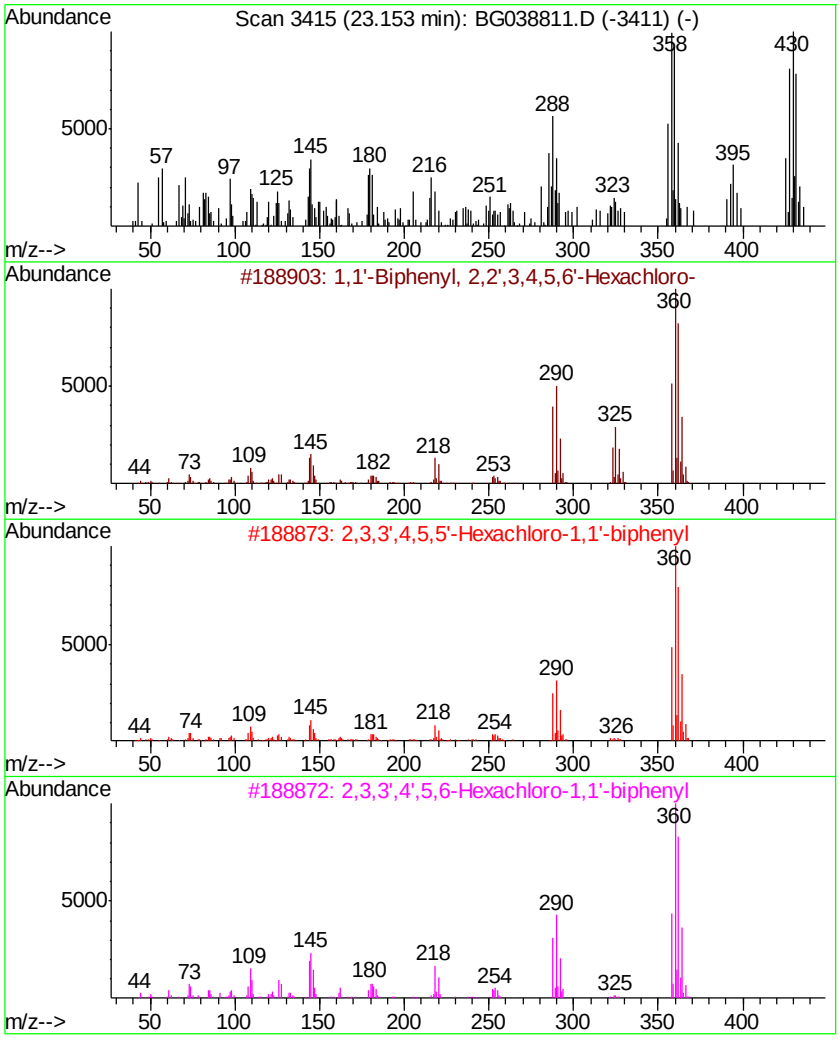
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

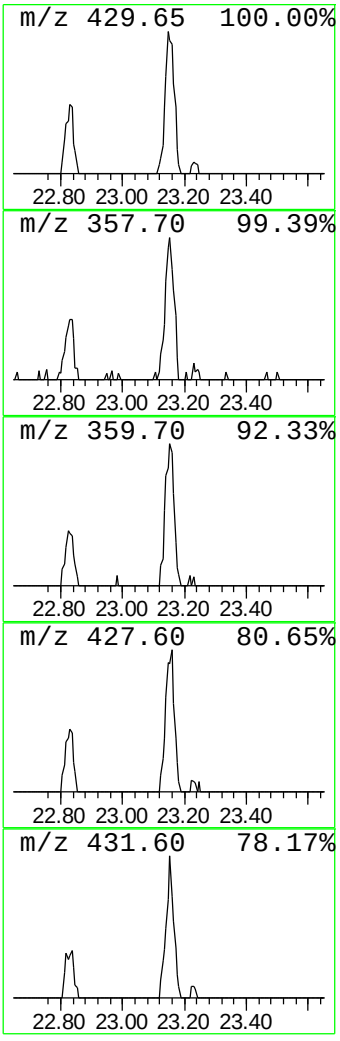
****

Peak Number 20 unknown23.15 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.15	2.50 ng	150998	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	15
2	2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	11
3	2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	11
4	2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	11
5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038811.D
Acq On : 22 Dec 2018 10:38
Operator : JU/SJ
Sample : J6386-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.14	2.6	ng	25715	1	8.06	199164	20.0
unknown7.59	7.59	62.1	ng	617998	1	8.06	199164	20.0
Anthracene, 1-met...	18.31	4.5	ng	103962	4	17.45	466096	20.0
Anthracene, 2-met...	18.36	2.9	ng	68543	4	17.45	466096	20.0
1a,9b-Dihydro-1H-...	18.51	3.5	ng	82810	4	17.45	466096	20.0
2,3,3',4,5-Pentac...	19.34	4.8	ng	112598	4	17.45	466096	20.0
1,1'-Biphenyl, 2,...	19.62	2.8	ng	169503	5	21.73	1205660	20.0
1,1'-Biphenyl, 2,...	20.19	3.5	ng	212000	5	21.73	1205660	20.0
1,1'-Biphenyl, 2,...	20.33	9.5	ng	575111	5	21.73	1205660	20.0
2,3,3',4,4',6-Hex...	20.60	9.6	ng	580014	5	21.73	1205660	20.0
2,3,4,4',5,6-Hexa...	20.66	2.6	ng	158965	5	21.73	1205660	20.0
2,2',3,4,4',6'-He...	20.76	4.5	ng	272029	5	21.73	1205660	20.0
1,1'-Biphenyl, 2,...	20.93	8.9	ng	539046	5	21.73	1205660	20.0
1,1'-Biphenyl, 2,...	21.08	4.8	ng	288574	5	21.73	1205660	20.0
1,1'-Biphenyl, 2,...	21.38	4.6	ng	276665	5	21.73	1205660	20.0
1,1'-Biphenyl, 2,...	21.45	3.1	ng	188919	5	21.73	1205660	20.0
1,1'-Biphenyl, 2,...	22.16	4.1	ng	248799	5	21.73	1205660	20.0
unknown23.15	23.15	2.5	ng	150998	5	21.73	1205660	20.0