LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038809.D
Acq On : 22 Dec 2018 9:20
Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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	342	350	357	rBV	25380	43291	1.97%	0.171%
2	5.608	422	429	437	rBV	460068	784596	35.72%	3.099%
3	7.218	693	703	722	rBV	521566	1047954	47.71%	4.139%
4	7.588	757	766	774	rBV	499361	882936	40.19%	3.488%
5	8.058	839	846	858	rBV	110030	201468	9.17%	0.796%
6	8.382	893	901	909	rBV	375468	672200	30.60%	2.655%
7	8.576	929	934	944	rVB	18943	32539	1.48%	0.129%
8	8.822	970	976	991	rVB	26704	60586	2.76%	0.239%
9	9.234	1037	1046	1057	rBV	306122	588126	26.77%	2.323%
10	10.039	1177	1183	1194	rBV2	21632	42683	1.94%	0.169%
11	10.379	1233	1241	1248	rVB2	11691	23699	1.08%	0.094%
12	10.732	1294	1301	1309	rBV	49125	90720	4.13%	0.358%
13	10.873	1317	1325	1332	rBV	147023	283544	12.91%	1.120%
14	11.261	1382	1391	1398	rVB3	18668	34581	1.57%	0.137%
15	11.701	1459	1466	1475	rVB3	19071	33305	1.52%	0.132%
16	13.317	1733	1741	1748	rBV	842856	1356922	61.77%	5.360%
17	13.493	1764	1771	1783	rBV2	77889	140660	6.40%	0.556%
18	13.863	1825	1834	1844	rBV9	10842	38617	1.76%	0.153%
19	14.010	1853	1859	1865	rBV4	18792	36217	1.65%	0.143%
20	14.140	1877	1881	1888	rBV	42207	62570	2.85%	0.247%
21	14.422	1922	1929	1936	rBV2	30015	59077	2.69%	0.233%
22	14.698	1965	1976	1982	rBV2	228587	397361	18.09%	1.570%
23	15.003	2024	2028	2033	rVB2	19911	30049	1.37%	0.119%
24	15.156	2049	2054	2059	rBV2	13862	22113	1.01%	0.087%
25	15.303	2073	2079	2085	rBV6	11336	26081	1.19%	0.103%
26	15.462	2097	2106	2108	rBV7	14130	28332	1.29%	0.112%
27	16.184	2223	2229	2237	rBV3	657921	1043119	47.48%	4.120%
28	16.366	2256	2260	2265	rBV6	9377	22367	1.02%	0.088%
29	16.742	2319	2324	2329	rVB8	14613	25462	1.16%	0.101%
30	17.442	2438	2443	2447	rBV2	258152	414722	18.88%	1.638%
31	17.489	2447	2451	2456	rVB	137748	212861	9.69%	0.841%
32	17.577	2462	2466	2470	rBV2	42443	67104	3.05%	0.265%
33	18.029	2539	2543	2549	rBV5	22595	41912	1.91%	0.166%
34	18.311	2586	2591	2596	rBV2	83905	159489	7.26%	0.630%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038809.D
Acq On : 22 Dec 2018 9:20
Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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	18.364	2596	2600	2605	rVB	65769	106403	4.84%	0.420%
36	18.505	2620	2624	2629	rBV2	44348	70959	3.23%	0.280%
37	18.822	2674	2678	2682	rBV2	49012	71308	3.25%	0.282%
38	19.228	2742	2747	2751	rBV3	51740	91327	4.16%	0.361%
39	19.339	2762	2766	2777	rVB2	158530	256512	11.68%	1.013%
40	19.492	2788	2792	2797	rVB	112149	172074	7.83%	0.680%
41	19.545	2798	2801	2804	rVV3	34364	39123	1.78%	0.155%
42	19.621	2809	2814	2821	rVB2	280563	396949	18.07%	1.568%
43	19.856	2850	2854	2861	rVB	196826	306794	13.97%	1.212%
44	20.044	2881	2886	2896	rVB	1315010	1987696	90.48%	7.851%
45	20.185	2905	2910	2914	rBV2	397475	508780	23.16%	2.010%
46	20.232	2914	2918	2927	rVB2	138486	264753	12.05%	1.046%
47	20.326	2928	2934	2940	rBV	1052970	1424083	64.83%	5.625%
48	20.520	2963	2967	2971	rVB2	141429	209749	9.55%	0.828%
49	20.603	2976	2981	2985	rBV	1139270	1432017	65.19%	5.656%
50	20.655	2986	2990	2994	rBV2	271496	377299	17.18%	1.490%
51	20.761	3003	3008	3014	rVB4	401836	678709	30.90%	2.681%
52	20.855	3021	3024	3028	rBV4	82200	97755	4.45%	0.386%
53	20.926	3028	3036	3042	rVV	640735	1332905	60.68%	5.265%
54	20.973	3042	3044	3049	rVB2	94809	112924	5.14%	0.446%
55	21.079	3058	3062	3067	rVB2	557005	750265	34.15%	2.963%
56	21.149	3070	3074	3081	rVB	239659	331797	15.10%	1.311%
57	21.390	3110	3115	3121	rVB	460014	692821	31.54%	2.737%
58	21.455	3122	3126	3132	rVB4	268135	416836	18.98%	1.646%
59	21.525	3134	3138	3142	rBV3	84187	116628	5.31%	0.461%
60	21.742	3167	3175	3190	rVB3	1135818	2196736	100.00%	8.677%
61	22.160	3241	3246	3254	rBV	331768	620747	28.26%	2.452%
62	22.236	3255	3259	3267	rVB3	173613	295413	13.45%	1.167%
63	22.330	3271	3275	3283	rVB3	171724	293094	13.34%	1.158%
64	23.158	3412	3416	3426	rVB8	117678	229829	10.46%	0.908%
65	25.039	3730	3736	3747	rVB2	147694	427523	19.46%	1.689%

Sum of corrected areas: 25317071

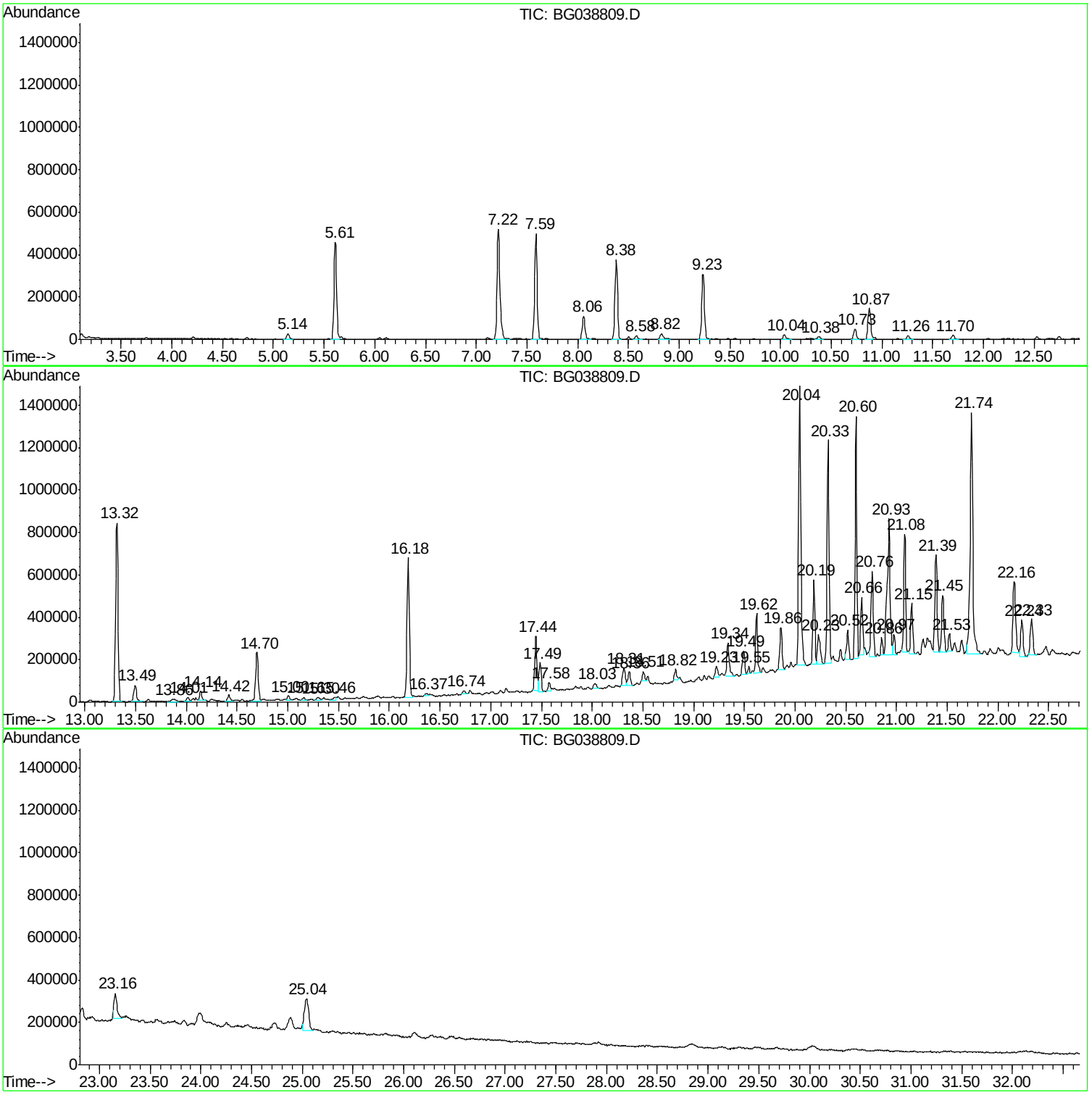
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038809.D
Acq On : 22 Dec 2018 9:20
Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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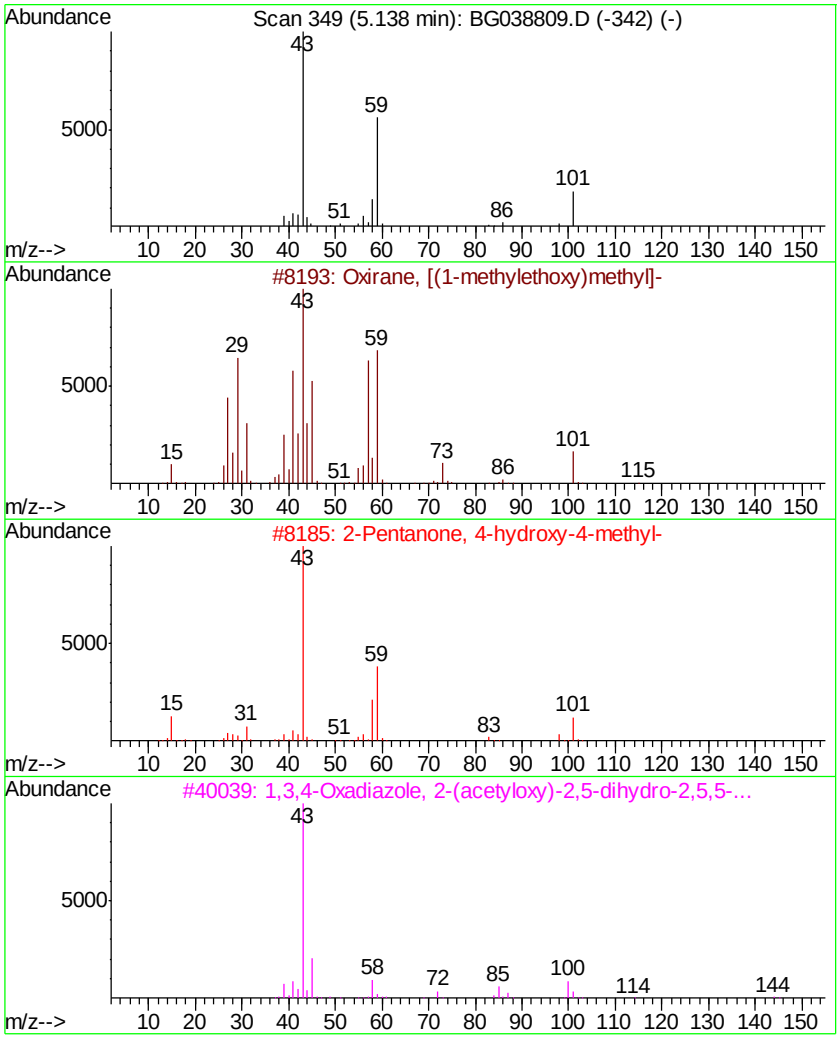
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

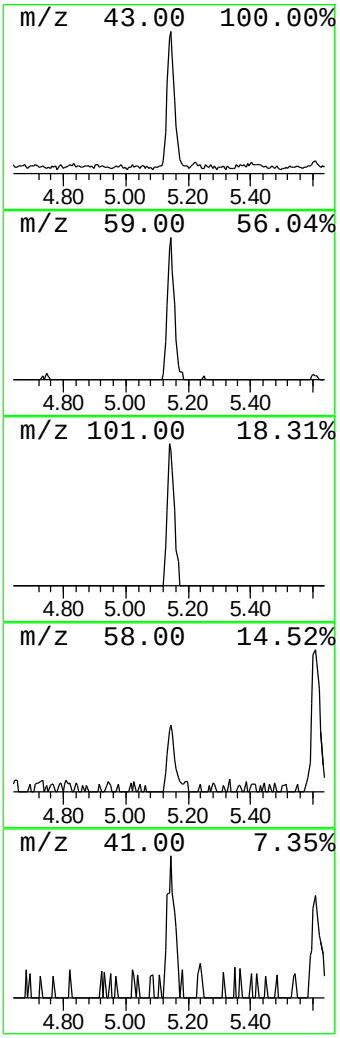
****

Peak Number 1 unknown5.14 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.14	4.30 ng	43291	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, [(1-methylethoxy)methyl]-	116	C6H12O2	004016-14-2	40
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
3	1,3,4-Oxadiazole, 2-(acetyloxy)-...	172	C7H12N2O3	066398-57-0	12
4	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9
5	Diacetamide	101	C4H7NO2	000625-77-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038809.D
Acq On : 22 Dec 2018 9:20
Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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

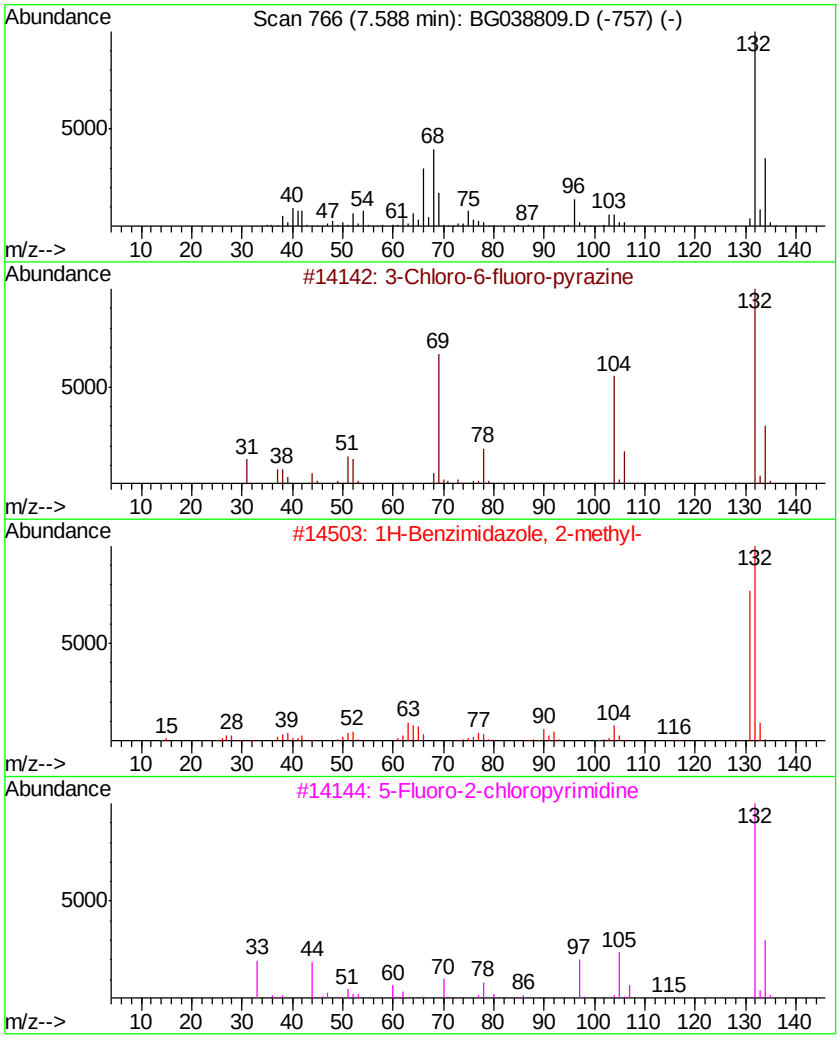
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

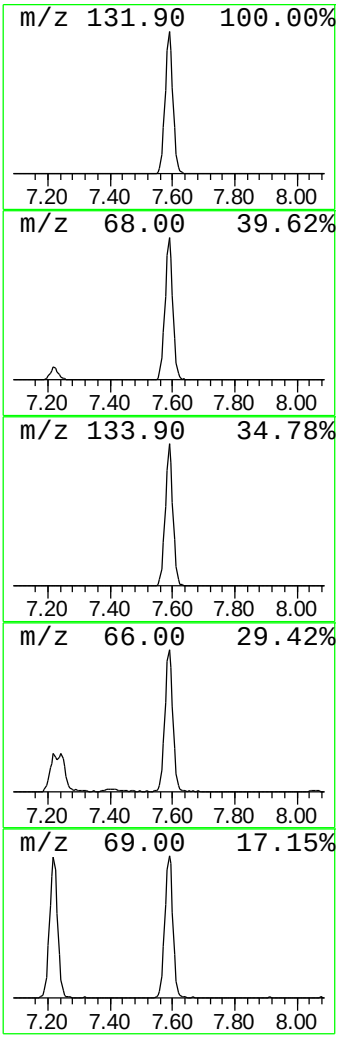
****

Peak Number 2 unknown7.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	87.65 ng	882936	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038809.D
Acq On : 22 Dec 2018 9:20
Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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

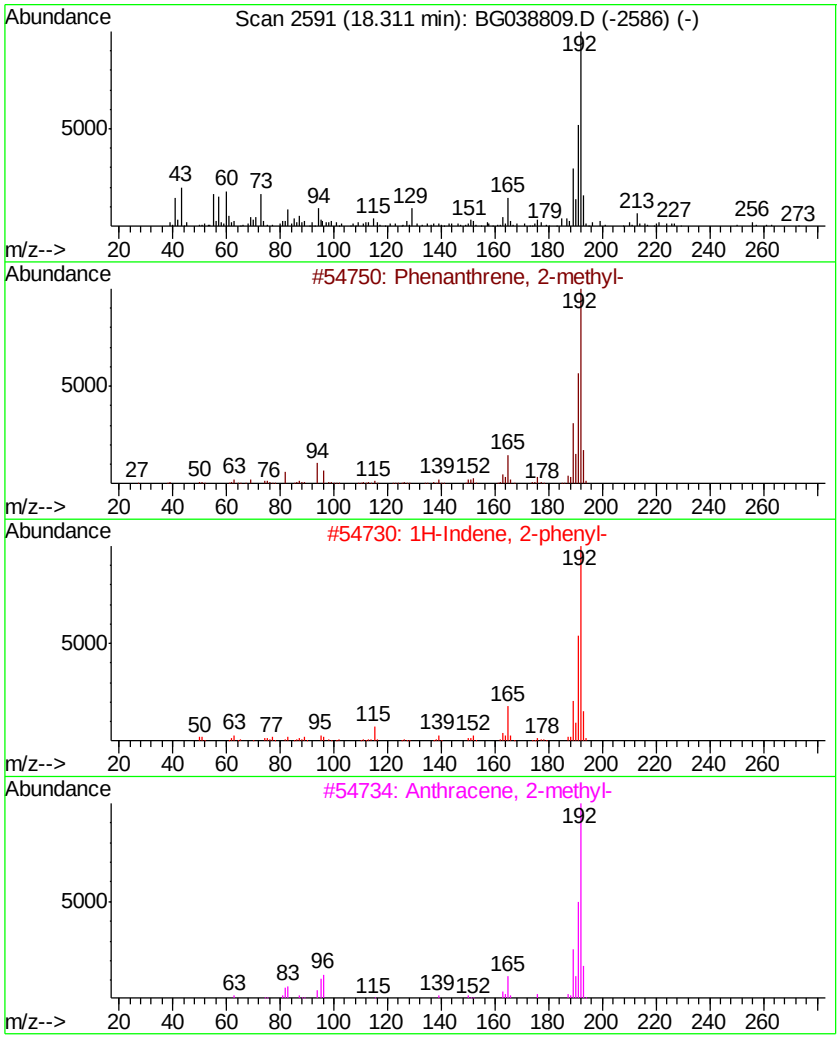
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

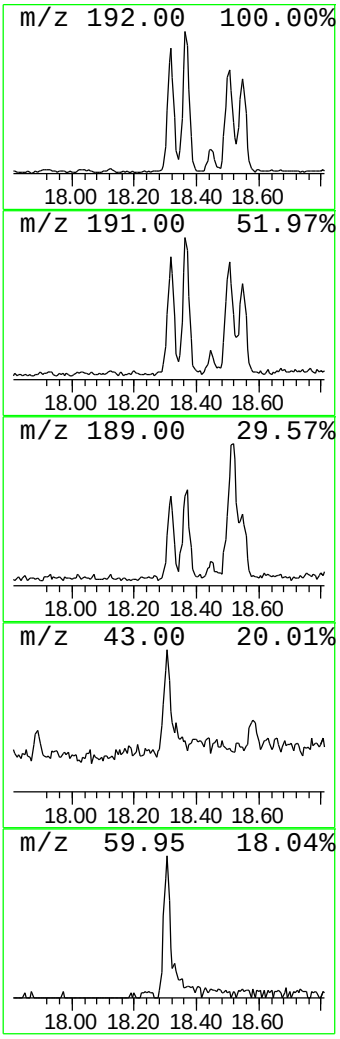
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	7.69 ng	159489	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	92
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	86
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038809.D
Acq On : 22 Dec 2018 9:20
Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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

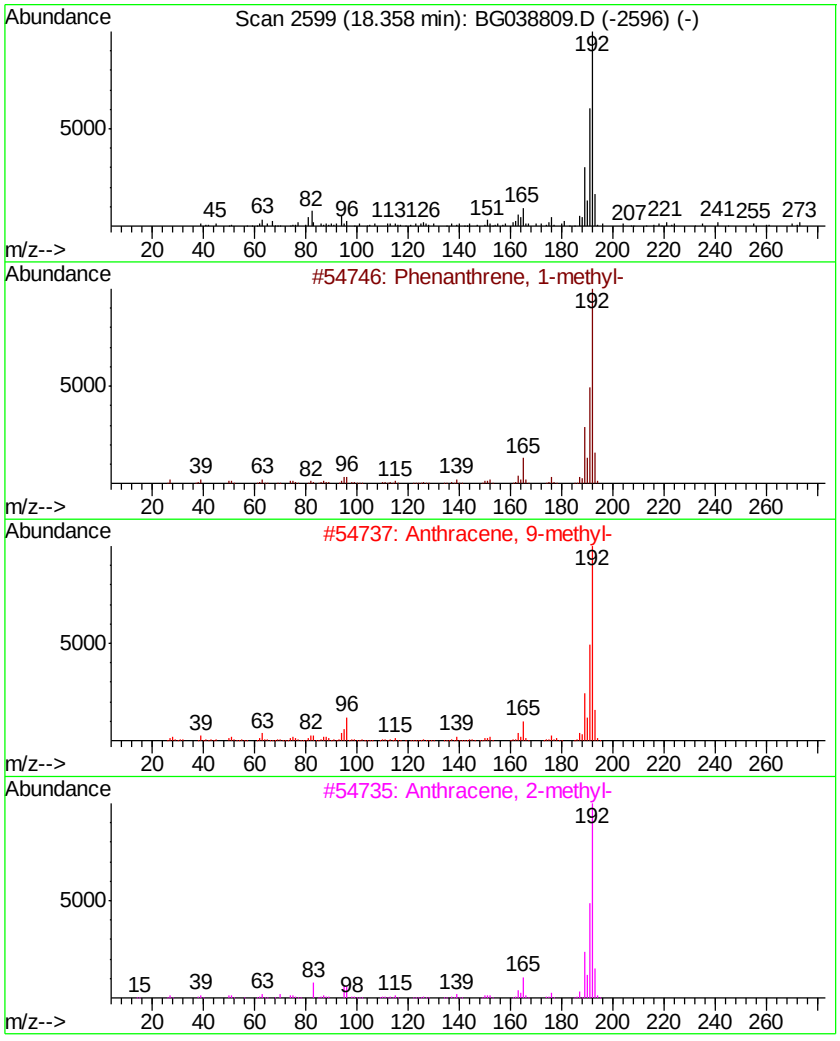
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

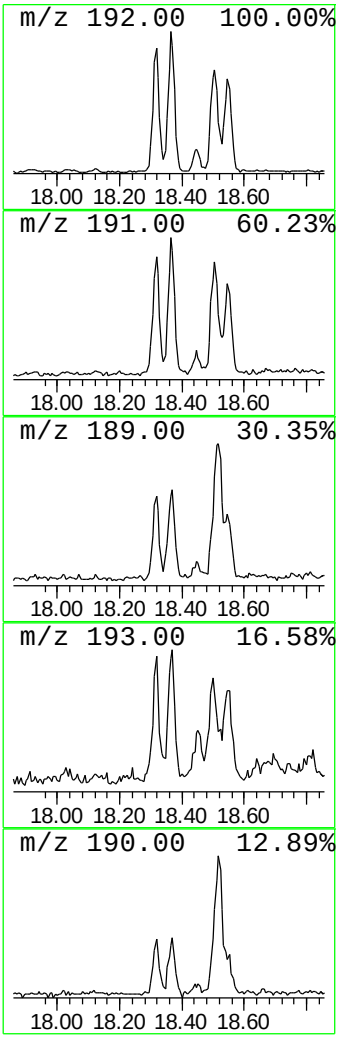
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	5.13 ng	106403	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038809.D
Acq On : 22 Dec 2018 9:20
Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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

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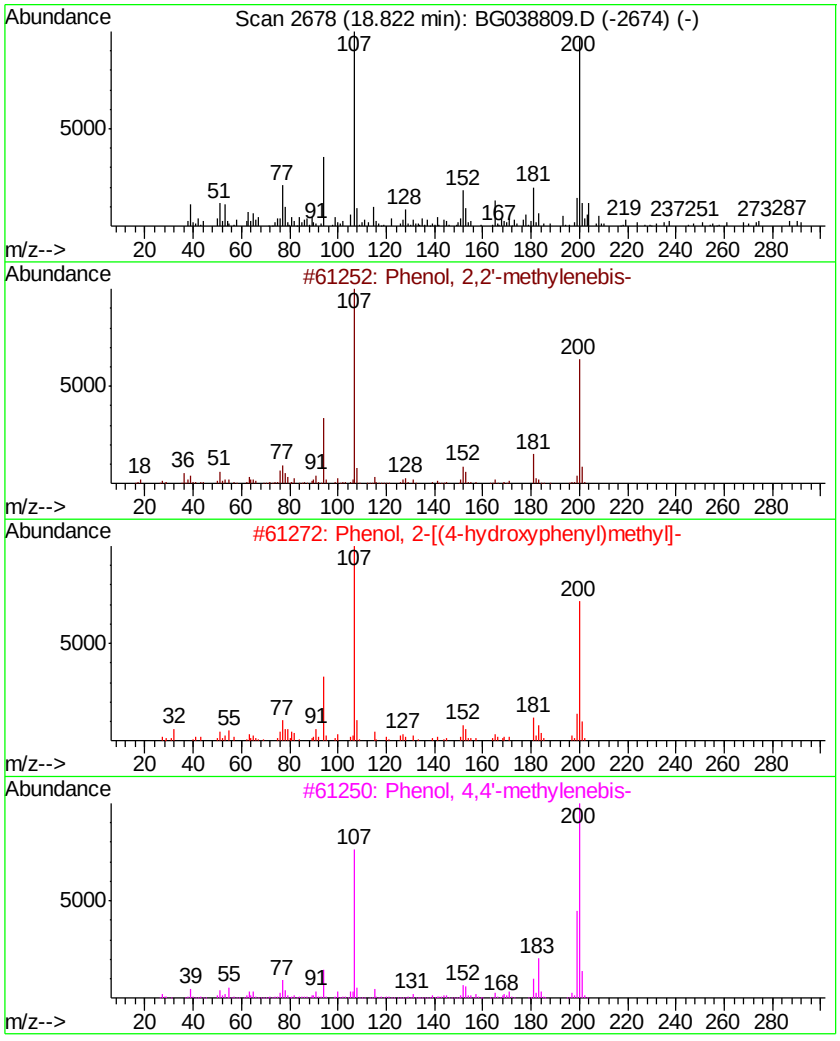
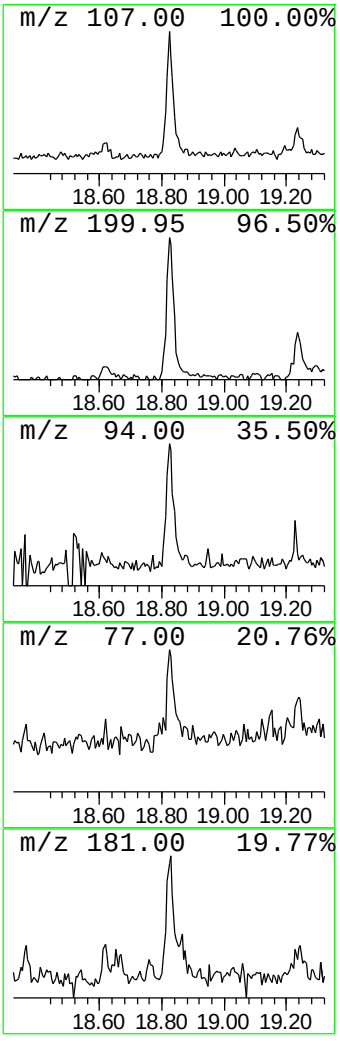
Peak Number 7 Phenol, 2,2'-methylenebis- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.44 ng	71308	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,2'-methylenebis-	200	C13H12O2	002467-02-9	87
2	Phenol, 2-[(4-hydroxyphenyl)meth...	200	C13H12O2	002467-03-0	87
3	Phenol, 4,4'-methylenebis-	200	C13H12O2	000620-92-8	64
4	Thiazolo[4,5-f]quinoline, 2-methyl-	200	C11H8N2S	038463-33-1	30
5	10H-Pyrido(3,2-b)(1,4)benzothiazine	200	C11H8N2S	000261-96-1	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
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Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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

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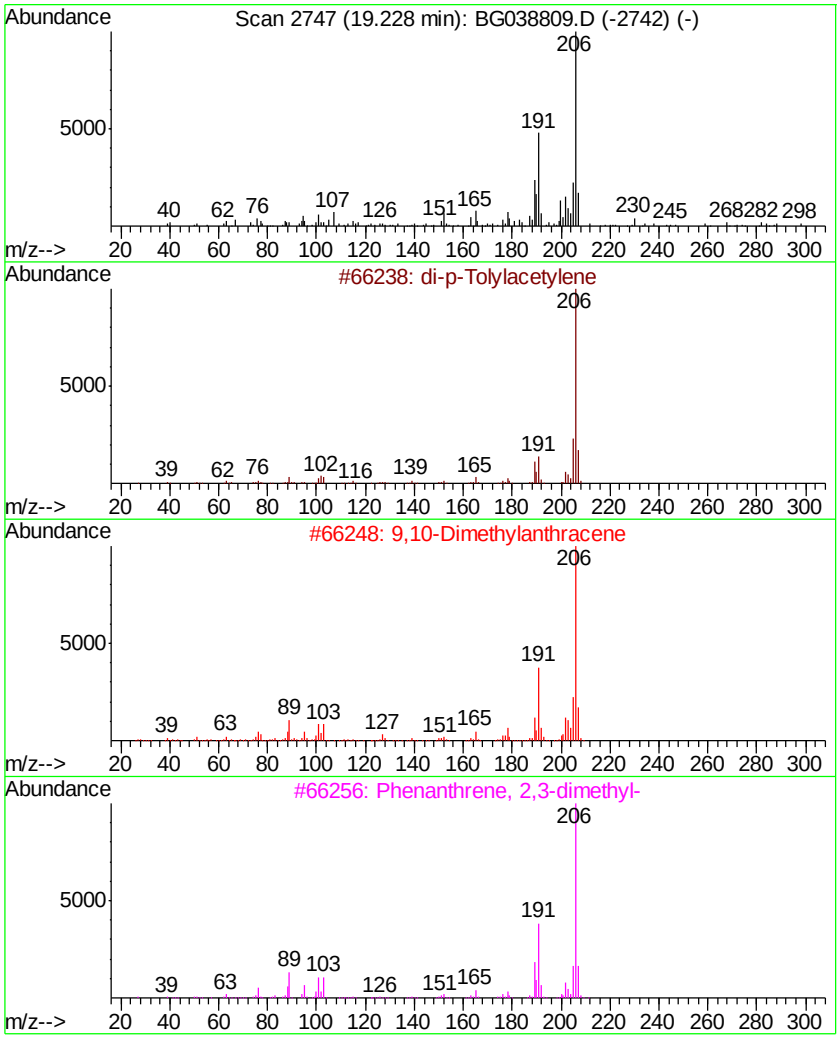
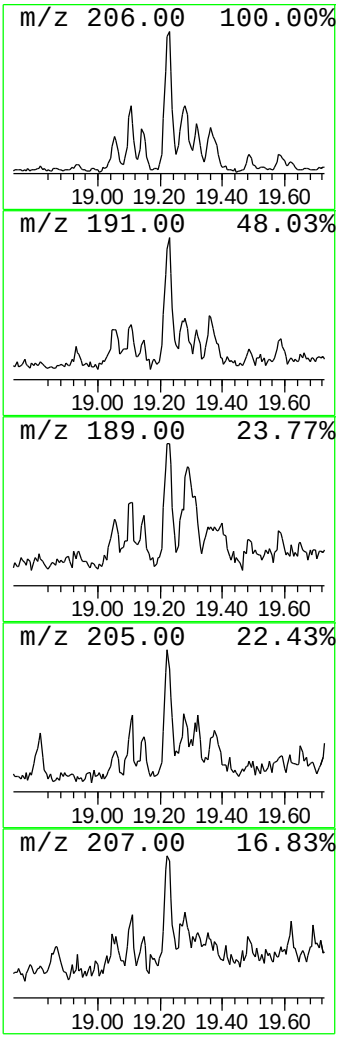
Peak Number 8 di-p-Tolylacetylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	4.40 ng	91327	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038809.D
Acq On : 22 Dec 2018 9:20
Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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

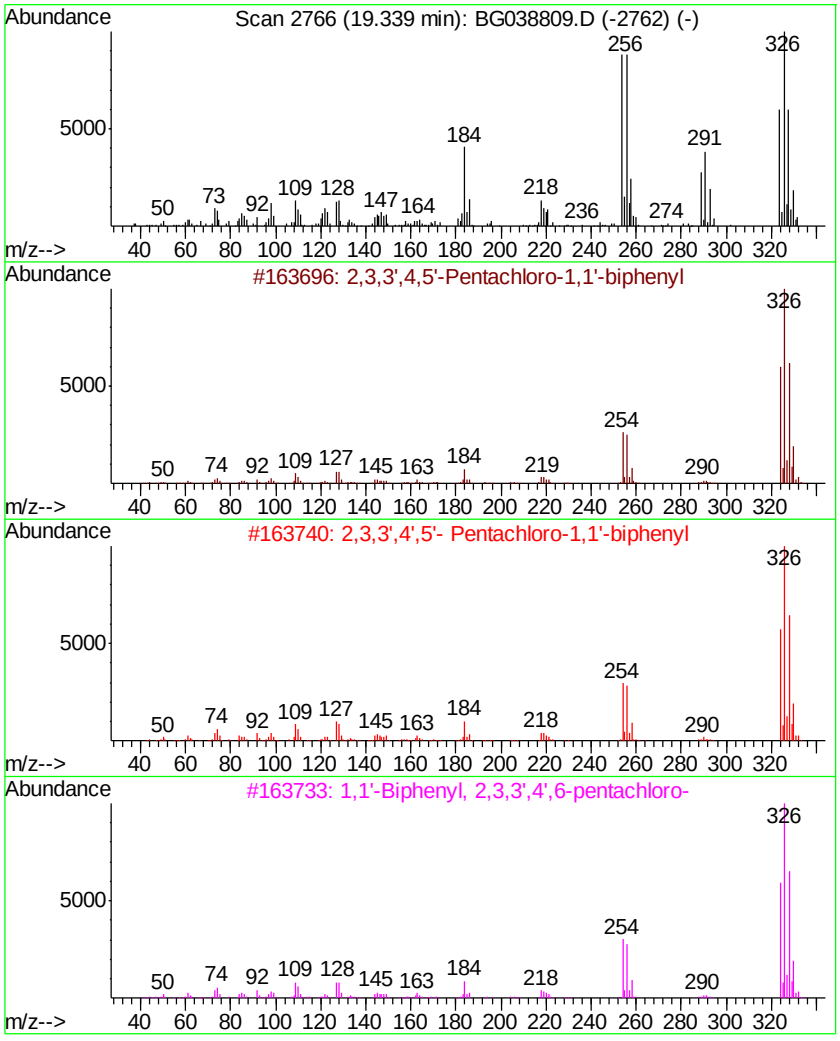
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

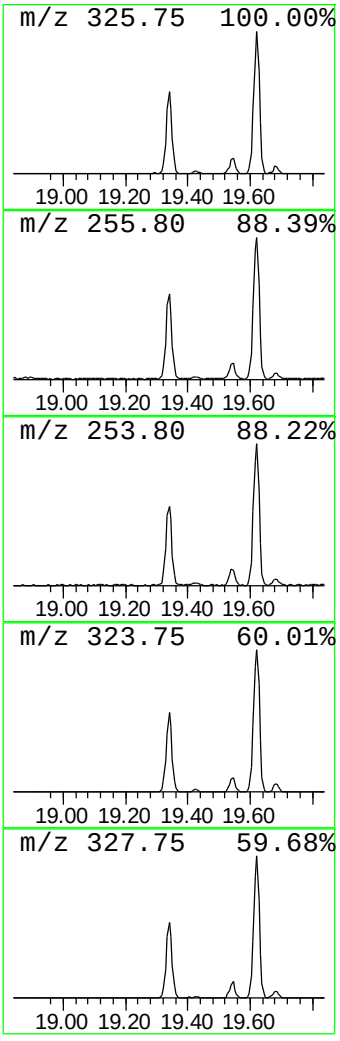
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	12.37 ng	256512	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
2	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
5	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	99





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Acq On : 22 Dec 2018 9:20
Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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

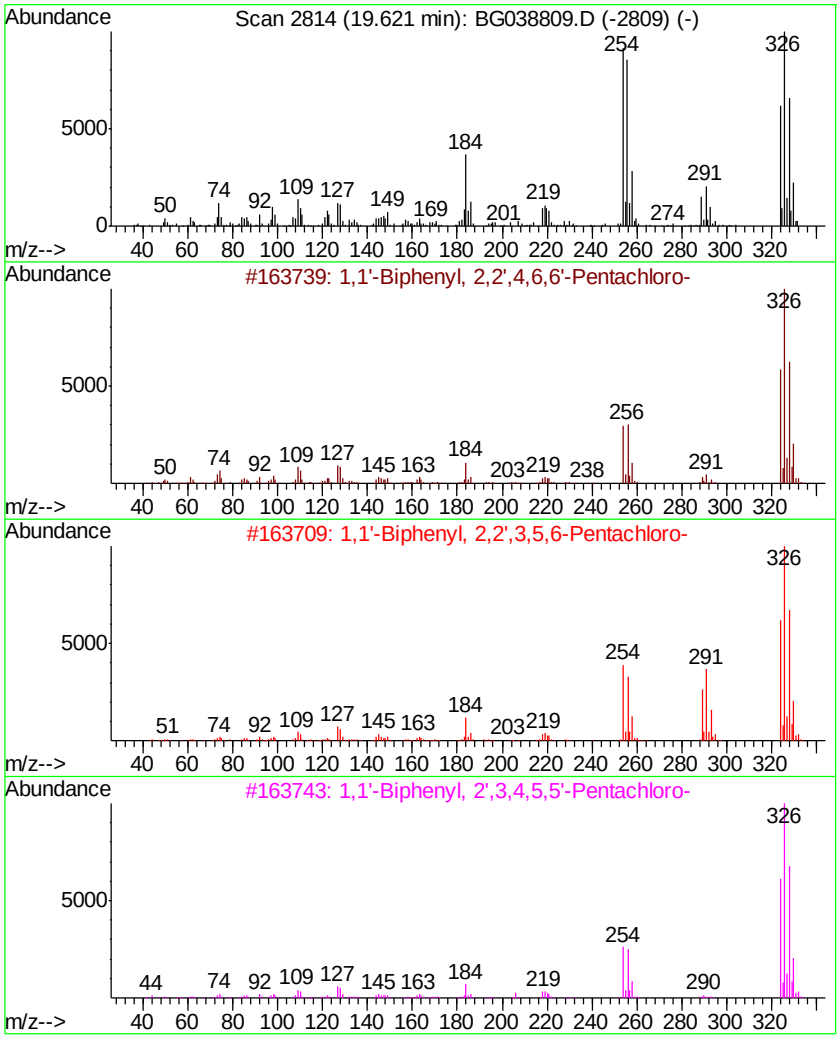
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

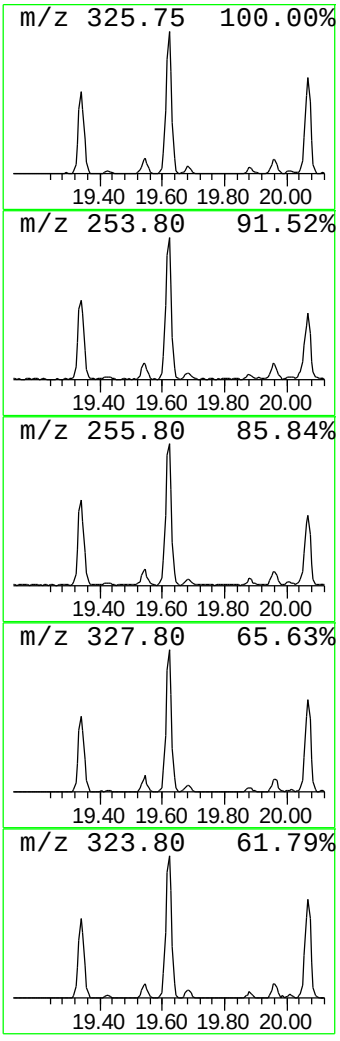
****

Peak Number 10 1,1'-Biphenyl, 2,2',4,6,6'-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	3.61 ng	396949	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
2	1,1'-Biphenyl, 2,2',3,5,6-Pentac...	324	C12H5Cl5	073575-56-1	99
3	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99





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Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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

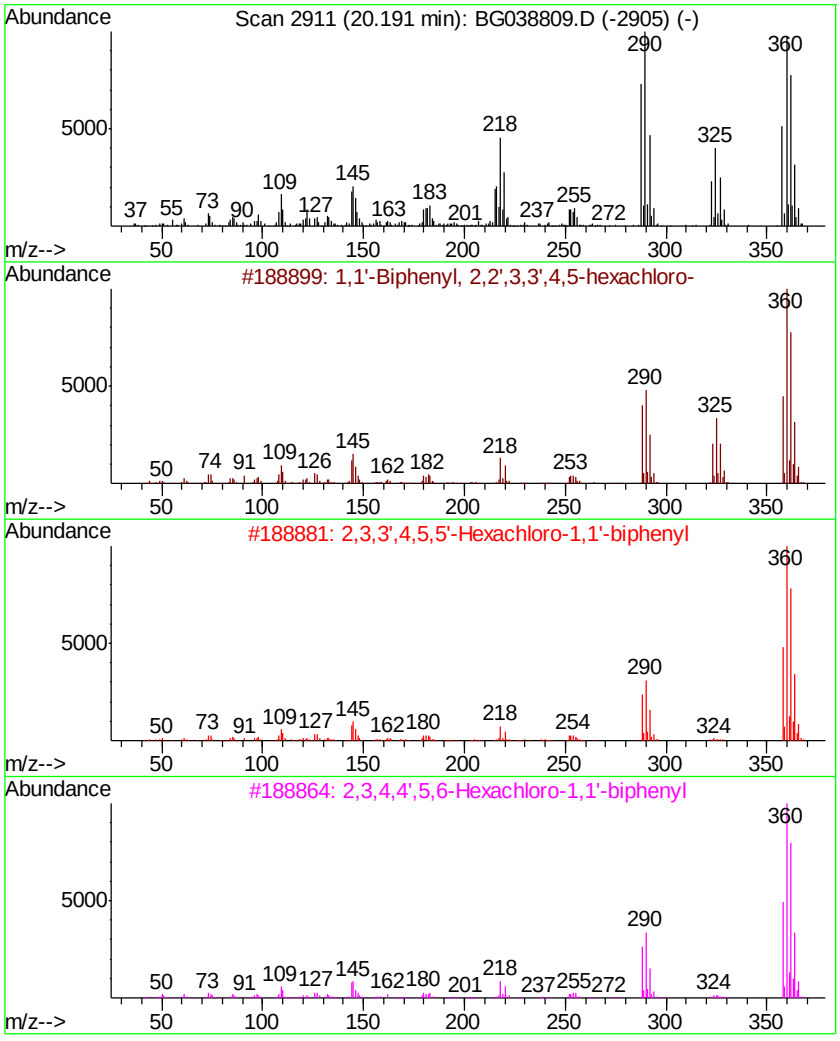
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

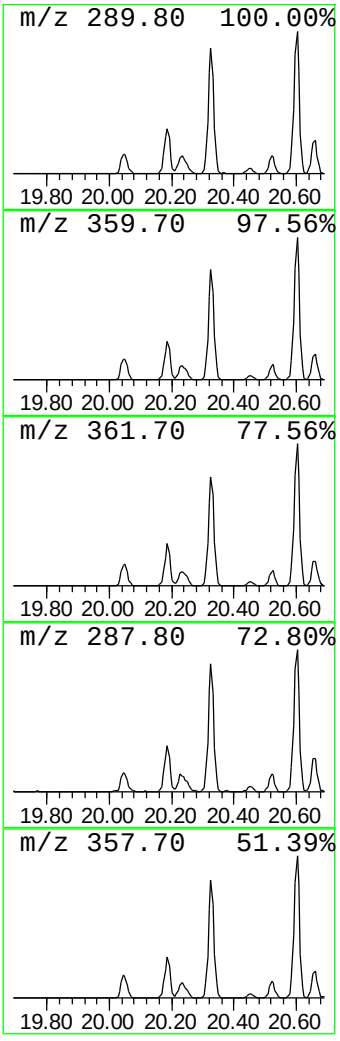
****

Peak Number 11 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	4.63 ng	508780	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	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
5	1,1'-Biphenyl, 2,2',3,5,5',6-hex...	358	C12H4Cl6	052663-63-5	99





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Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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

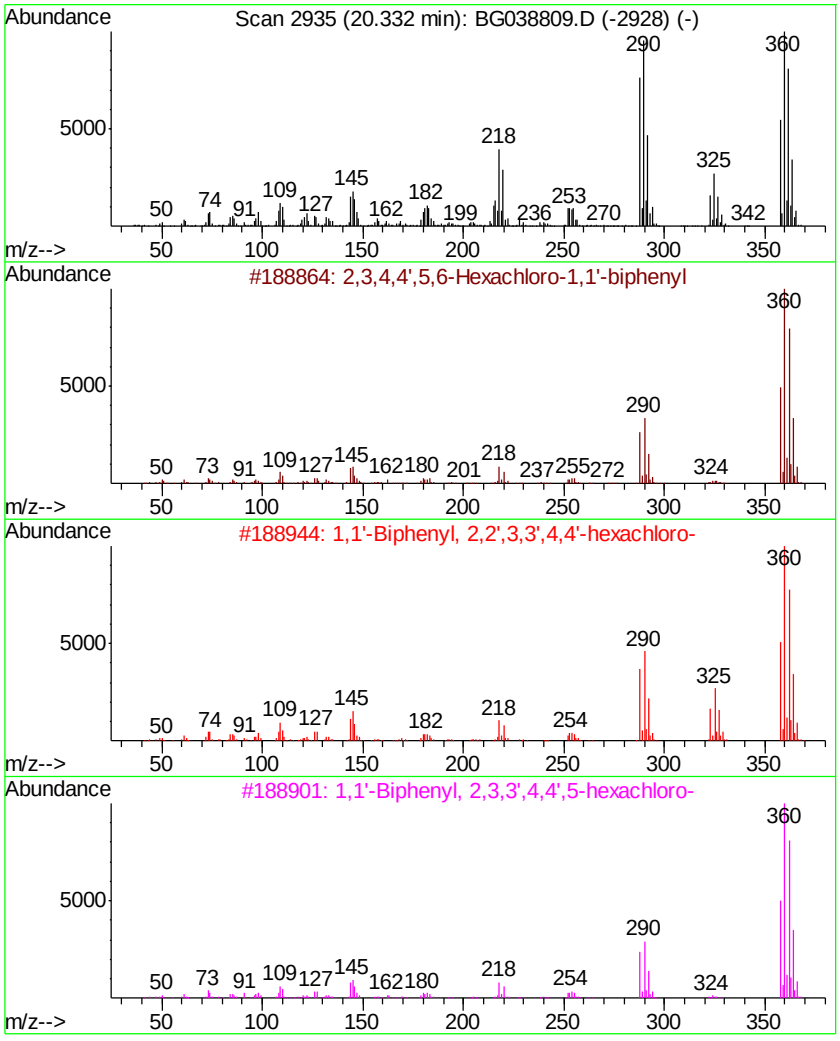
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

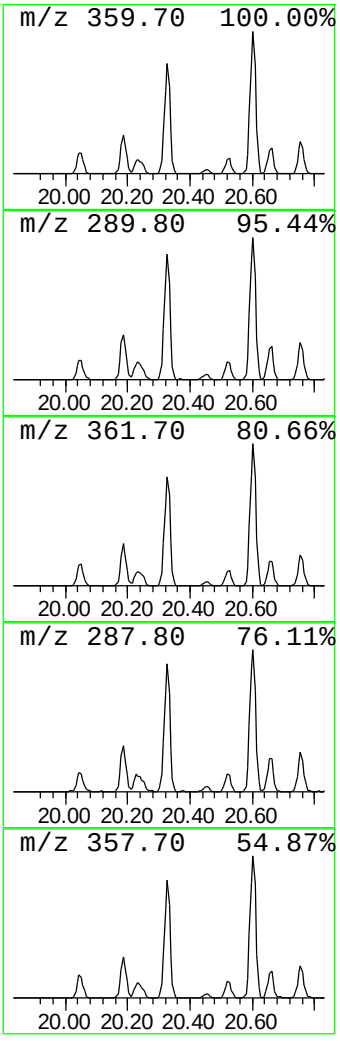
****

Peak Number 12 2,3,4,4',5,6-Hexachloro-1,1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	12.97 ng	1424080	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	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4	2,2',3,5,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-09-2	99
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99





Library Search Compound Report

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Data File : BG038809.D
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Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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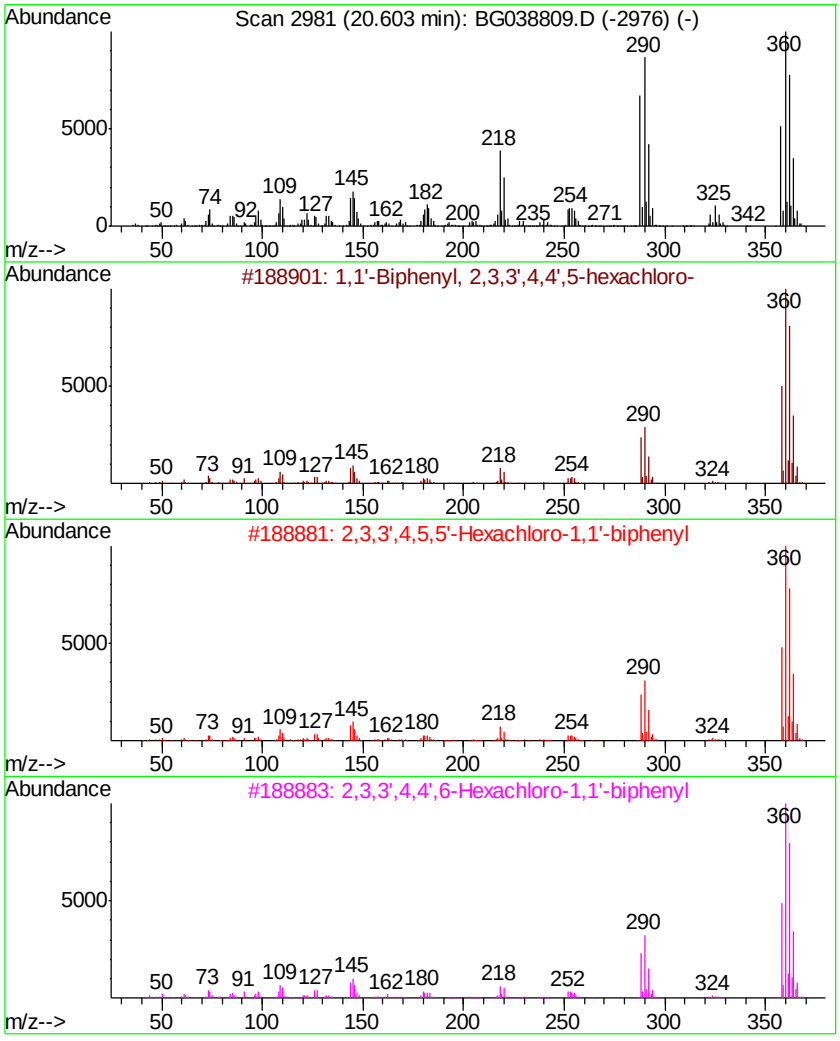
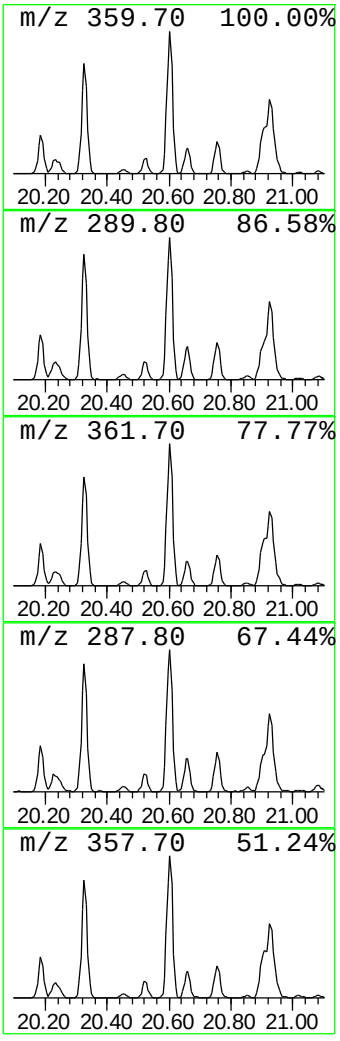
Peak Number 13 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.60	13.04 ng	1432020	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	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, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
5	2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99





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Misc :
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Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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

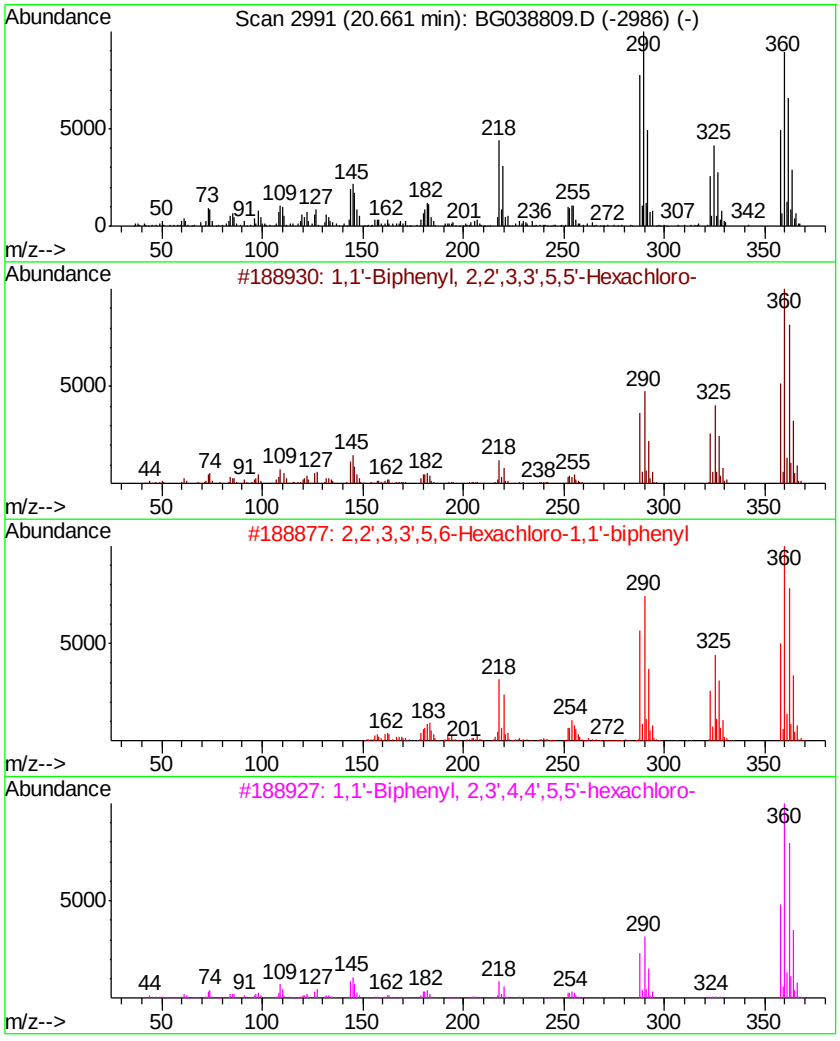
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

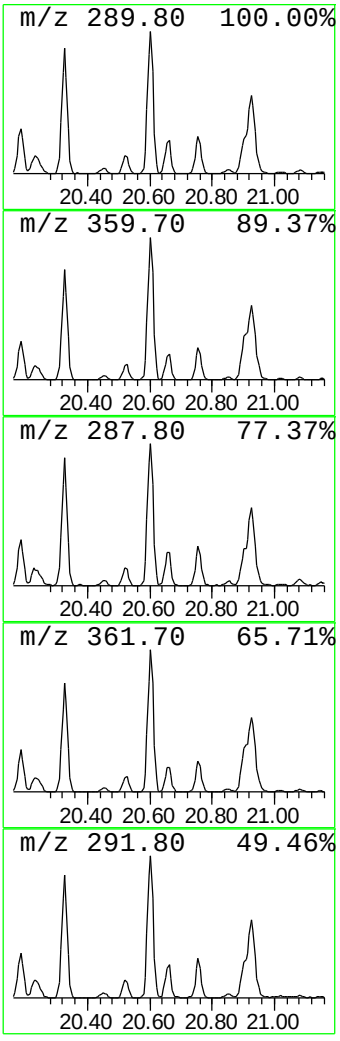
****

Peak Number 14 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	3.44 ng	377299	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99
2	2,2',3,3',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	052704-70-8	99
3	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
4	2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99





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Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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

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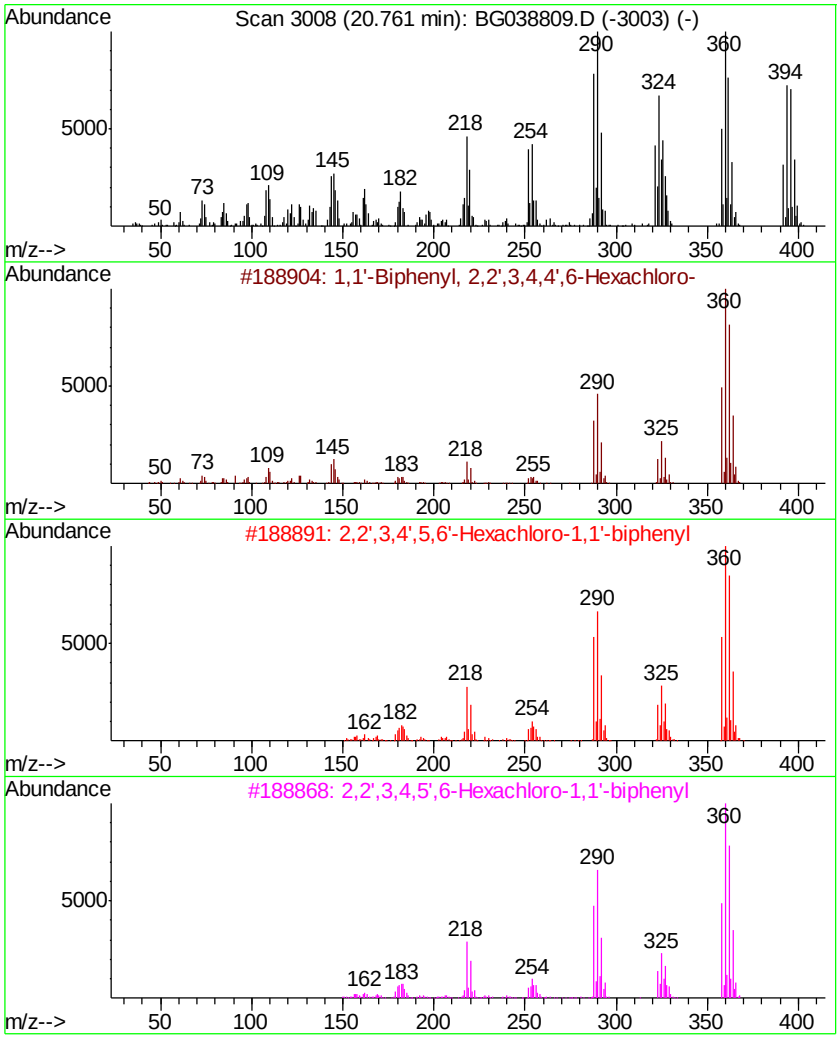
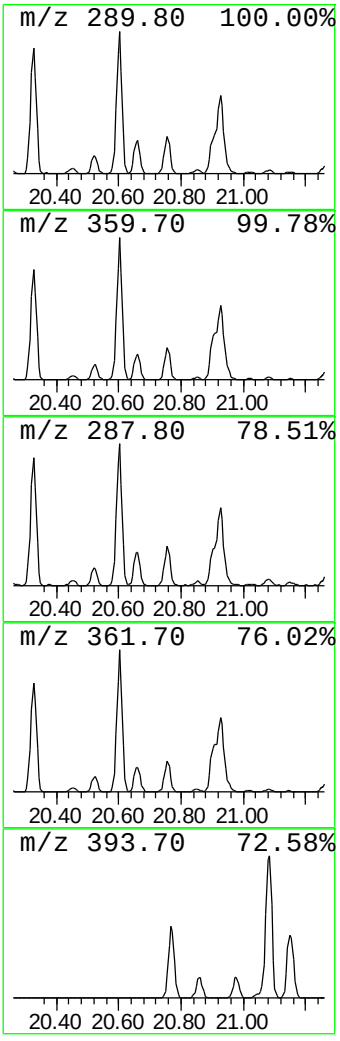
Peak Number 15 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	6.18 ng	678709	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	2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	99
3	2,2',3,4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-14-9	99
4	1,1'-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	99
5	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99





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Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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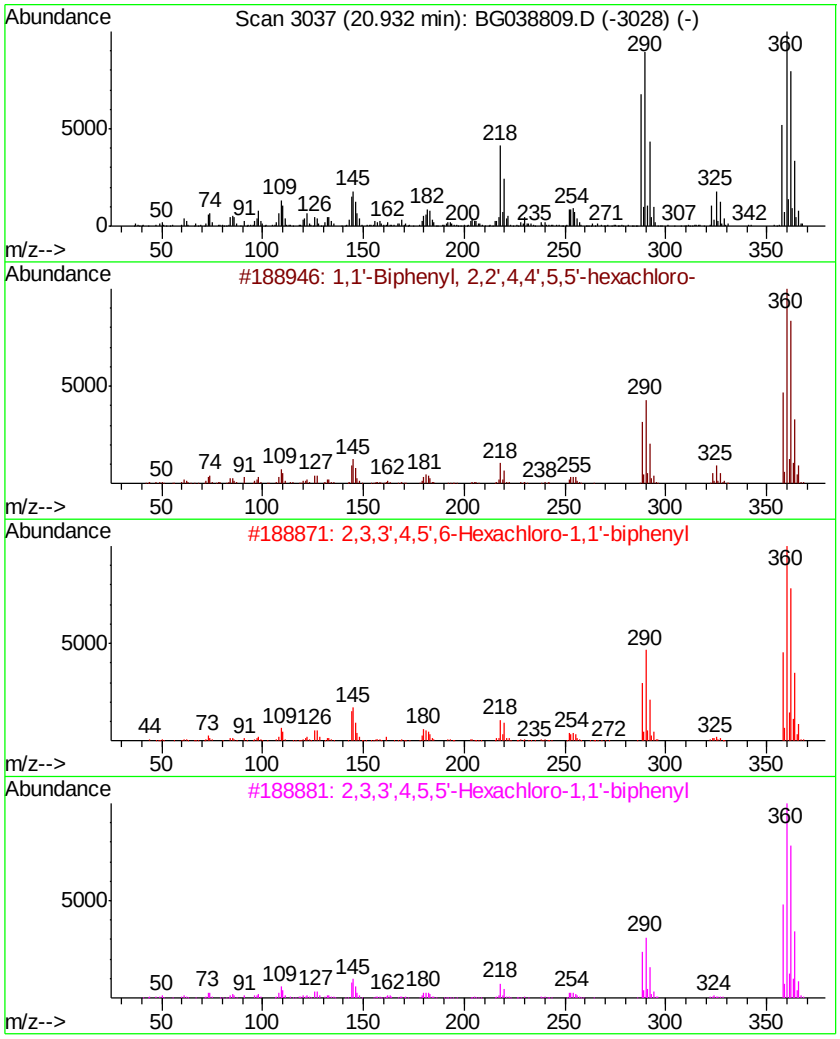
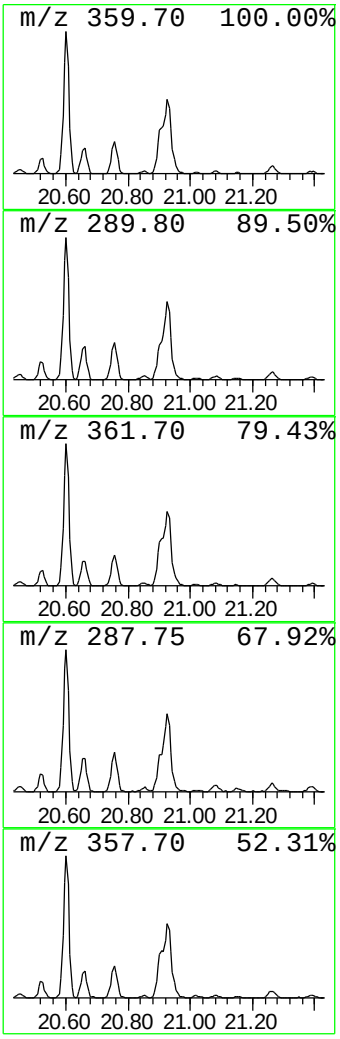
Peak Number 16 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	12.14 ng	1332910	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
2	2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99
3	2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
5	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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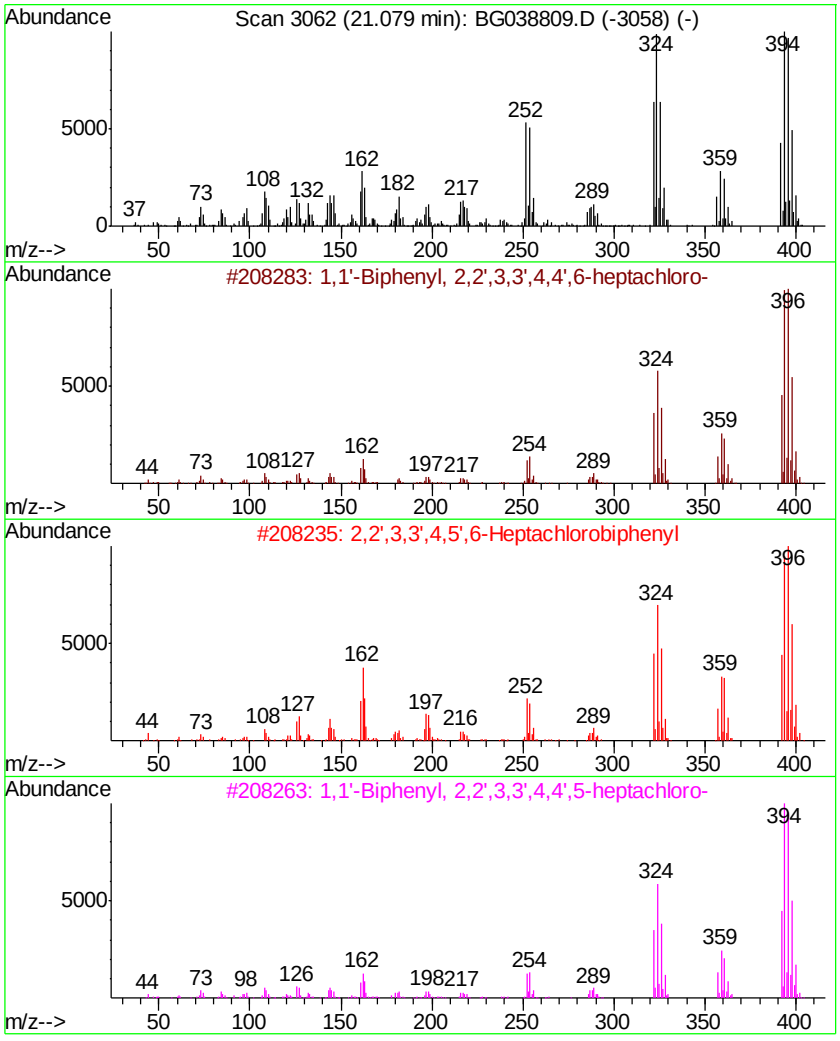
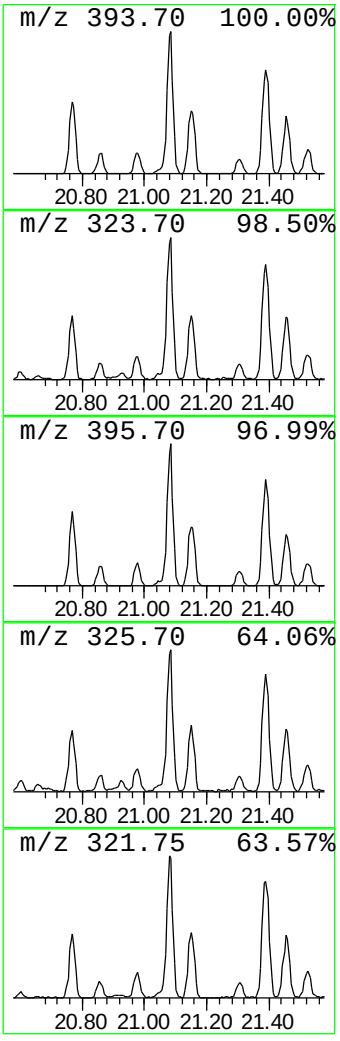
Peak Number 17 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	6.83 ng	750265	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
2	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
4	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
5	1,1'-Biphenyl, 2,2',3,3',4,6,6'-...	392	C12H3Cl7	052663-65-7	99





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Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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

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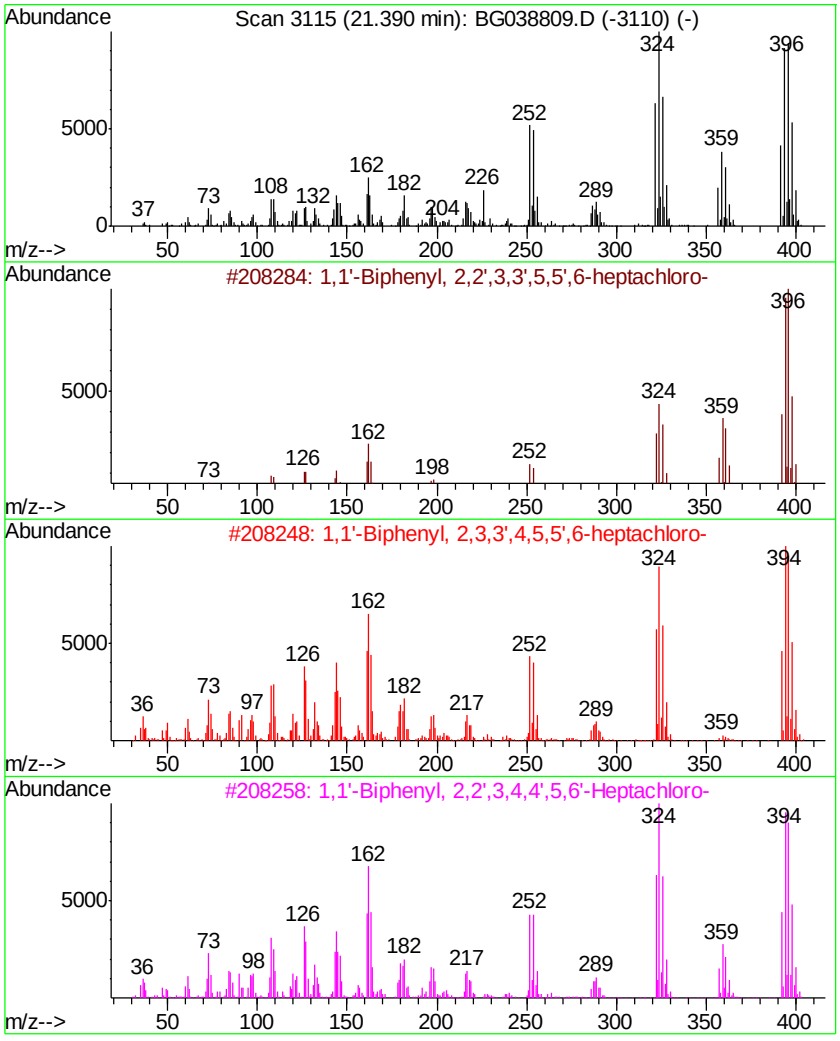
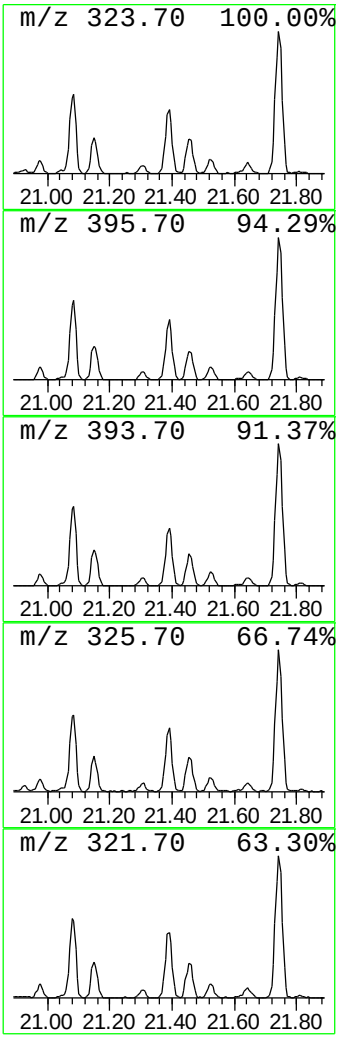
Peak Number 18 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	6.31 ng	692821	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99
2	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99
3	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
4	1,1'-Biphenyl, 2,2',3,4,4',5,6-H...	392	C12H3Cl7	074472-47-2	98
5	1,1'-Biphenyl, 2,2',3,3',4,5,6'-...	392	C12H3Cl7	038411-25-5	97





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Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

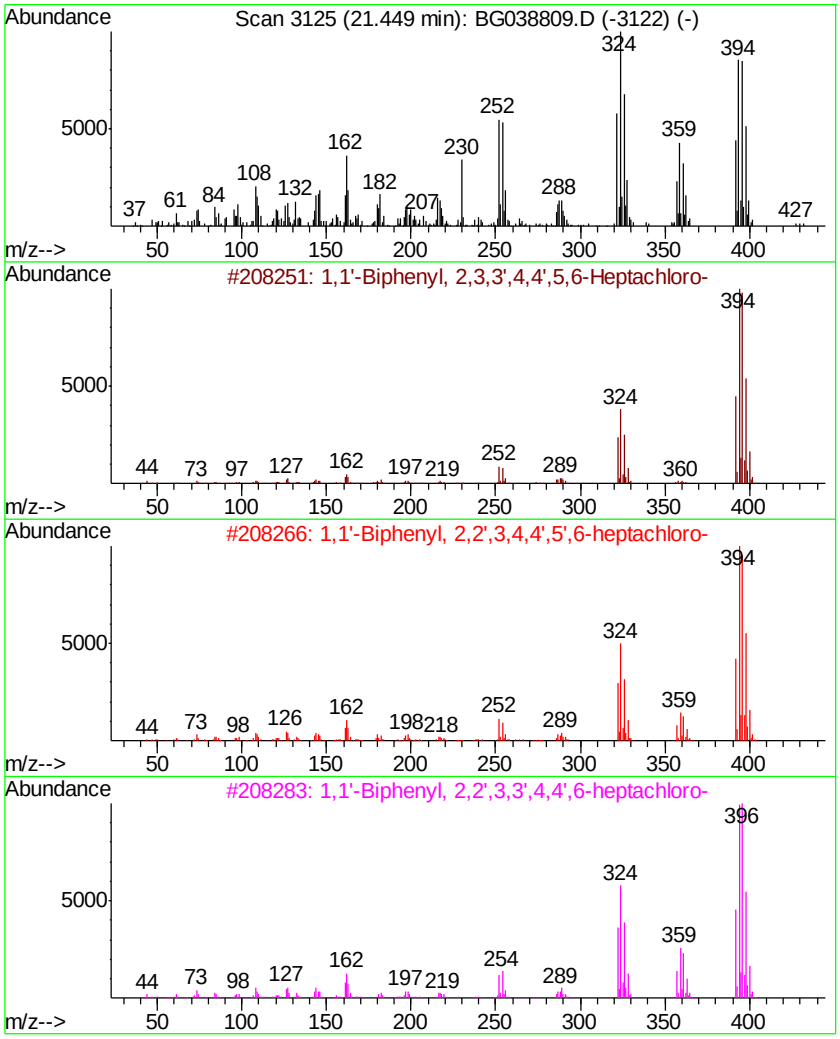
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

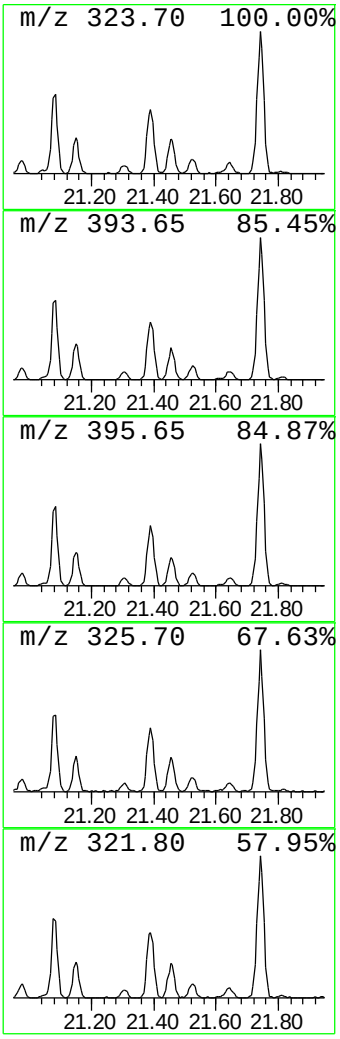
****

Peak Number 19 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.45	3.80 ng	416836	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	99
2	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
4	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
5	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122118\
Data File : BG038809.D
Acq On : 22 Dec 2018 9:20
Operator : JU/SJ
Sample : J6386-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS007-1218-01

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
unknown5.14	5.14	4.3	ng	43291	1	8.06	201468	20.0
unknown7.59	7.59	87.7	ng	882936	1	8.06	201468	20.0
Phenanthrene, 2-m...	18.31	7.7	ng	159489	4	17.44	414722	20.0
Phenanthrene, 1-m...	18.36	5.1	ng	106403	4	17.44	414722	20.0
Phenol, 2,2'-meth...	18.82	3.4	ng	71308	4	17.44	414722	20.0
di-p-Tolylacetylene	19.23	4.4	ng	91327	4	17.44	414722	20.0
2,3,3',4,5'-Penta...	19.34	12.4	ng	256512	4	17.44	414722	20.0
1,1'-Biphenyl, 2,...	19.62	3.6	ng	396949	5	21.73	2196740	20.0
1,1'-Biphenyl, 2,...	20.19	4.6	ng	508780	5	21.73	2196740	20.0
2,3,4,4',5,6-Hexa...	20.33	13.0	ng	1424080	5	21.73	2196740	20.0
1,1'-Biphenyl, 2,...	20.60	13.0	ng	1432020	5	21.73	2196740	20.0
1,1'-Biphenyl, 2,...	20.66	3.4	ng	377299	5	21.73	2196740	20.0
1,1'-Biphenyl, 2,...	20.76	6.2	ng	678709	5	21.73	2196740	20.0
1,1'-Biphenyl, 2,...	20.93	12.1	ng	1332910	5	21.73	2196740	20.0
1,1'-Biphenyl, 2,...	21.08	6.8	ng	750265	5	21.73	2196740	20.0
1,1'-Biphenyl, 2,...	21.39	6.3	ng	692821	5	21.73	2196740	20.0
1,1'-Biphenyl, 2,...	21.45	3.8	ng	416836	5	21.73	2196740	20.0