LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM02.2-EPA-BG073115.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	3.270	95	99	104	rBV4	15551	22812	1.27%	0.127%
2	3.446	125	129	133	rBV3	5442	7286	0.41%	0.041%
3	4.580	318	322	326	rVB6	5658	9543	0.53%	0.053%
4	5.097	408	410	415	rBV3	7180	9698	0.54%	0.054%
5	5.467	469	473	476	rVV5	8507	12132	0.68%	0.067%
6	6.543	652	656	661	rVV2	6526	11031	0.62%	0.061%
7	6.601	661	666	669	rVB4	8254	11198	0.63%	0.062%
8	6.660	669	676	685	rBV	138094	234997	13.13%	1.307%
9	6.795	693	699	704	rBV	96138	147521	8.24%	0.820%
10	6.989	726	732	738	rBV	145771	225654	12.60%	1.255%
11	7.101	745	751	757	rVB3	15370	29310	1.64%	0.163%
12	7.453	801	811	816	rBV	153702	250740	14.01%	1.394%
13	7.559	826	829	838	rVB4	11311	19210	1.07%	0.107%
14	7.994	899	903	913	rVB6	4019	8655	0.48%	0.048%
15	8.082	913	918	923	rBV3	8678	13570	0.76%	0.075%
16	8.188	930	936	943	rBV	164040	255203	14.25%	1.419%
17	8.258	943	948	949	rBV4	6197	8397	0.47%	0.047%
18	8.558	994	999	1002	rBV4	10053	16133	0.90%	0.090%
19	8.605	1002	1007	1017	rVV	134381	225058	12.57%	1.252%
20	8.781	1030	1037	1042	rVB5	4567	11030	0.62%	0.061%
21	8.928	1057	1062	1066	rBV5	6506	9994	0.56%	0.056%
22	9.327	1122	1130	1138	rBV	142803	231258	12.92%	1.286%
23	9.651	1179	1185	1189	rVB6	8793	14112	0.79%	0.078%
24	9.874	1218	1223	1230	rVB	190025	314552	17.57%	1.749%
25	10.027	1243	1249	1254	rBV4	6459	12247	0.68%	0.068%
26	10.238	1277	1285	1290	rBV	229423	393881	22.00%	2.190%
27	10.285	1290	1293	1302	rVB2	16212	24056	1.34%	0.134%
28	10.385	1302	1310	1319	rBV	79462	147853	8.26%	0.822%
29	11.161	1438	1442	1446	rVB5	6074	8869	0.50%	0.049%
30	11.272	1456	1461	1467	rBV6	5061	11354	0.63%	0.063%
31	11.619	1516	1520	1525	rBV5	5959	11275	0.63%	0.063%
32	11.913	1565	1570	1577	rVB2	17406	30651	1.71%	0.170%
33	12.142	1605	1609	1613	rVB2	10813	14229	0.79%	0.079%
34	12.394	1648	1652	1655	rBV4	4906	7310	0.41%	0.041%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM02.2-EPA-BG073115.M
Title : SVOA CALIBRATION

35	12.465	1659	1664	1667	rVB6	6605	8109	0.45%	0.045%
36	12.665	1695	1698	1700	rBV3	5889	7240	0.40%	0.040%
37	12.700	1700	1704	1708	rVV5	12559	15722	0.88%	0.087%
38	12.900	1734	1738	1742	rVV6	5412	9464	0.53%	0.053%
39	12.959	1744	1748	1750	rVV5	8018	10000	0.56%	0.056%
40	13.288	1798	1804	1805	rVV6	10073	13373	0.75%	0.074%
41	13.305	1805	1807	1812	rVB6	7762	8918	0.50%	0.050%
42	13.382	1816	1820	1822	rBV5	5539	6996	0.39%	0.039%
43	13.452	1827	1832	1837	rVV6	16195	30914	1.73%	0.172%
44	13.552	1843	1849	1853	rVV	335130	482036	26.93%	2.681%
45	13.593	1853	1856	1866	rVV	134418	210680	11.77%	1.172%
46	13.681	1869	1871	1876	rVB6	7893	10808	0.60%	0.060%
47	13.822	1889	1895	1905	rVV	305225	469429	26.22%	2.611%
48	13.957	1914	1918	1921	rVB3	19774	24330	1.36%	0.135%
49	14.087	1938	1940	1941	rBV2	11104	8729	0.49%	0.049%
50	14.134	1942	1948	1955	rVB2	340416	510211	28.50%	2.837%
51	14.198	1955	1959	1963	rBV2	28717	41287	2.31%	0.230%
52	14.392	1987	1992	1998	rVB2	67170	105783	5.91%	0.588%
53	14.533	2009	2016	2020	rBV3	22196	47307	2.64%	0.263%
54	14.674	2037	2040	2045	rVB6	12537	18719	1.05%	0.104%
55	14.856	2067	2071	2077	rVB9	13225	27900	1.56%	0.155%
56	14.921	2079	2082	2090	rVB7	25133	40061	2.24%	0.223%
57	15.009	2095	2097	2100	rBV4	14001	13499	0.75%	0.075%
58	15.132	2113	2118	2124	rBV	341137	492931	27.53%	2.741%
59	15.191	2124	2128	2131	rBV3	32013	41344	2.31%	0.230%
60	15.279	2139	2143	2148	rBV2	72543	97310	5.44%	0.541%
61	15.379	2154	2160	2162	rBV6	31989	60239	3.36%	0.335%
62	15.561	2188	2191	2193	rBV4	12734	16134	0.90%	0.090%
63	15.873	2242	2244	2245	rBV2	21800	17387	0.97%	0.097%
64	16.196	2296	2299	2303	rVB4	34284	46934	2.62%	0.261%
65	16.413	2332	2336	2341	rBV6	49506	87234	4.87%	0.485%
66	16.666	2375	2379	2383	rBV	260231	307182	17.16%	1.708%
67	16.772	2393	2397	2401	rBV2	119066	144157	8.05%	0.802%
68	16.895	2413	2418	2421	rBV	323680	435026	24.30%	2.419%
69	16.936	2421	2425	2430	rVB	266344	352995	19.72%	1.963%
70	16.989	2430	2434	2439	rBV	277152	403924	22.56%	2.246%
71	17.071	2445	2448	2458	rVB9	51471	88503	4.94%	0.492%

LSC Area Percent Report

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Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM02.2-EPA-BG073115.M
Title : SVOA CALIBRATION

72	17.506	2517	2522	2526	rVB2	86686	149782	8.37%	0.833%
73	17.818	2571	2575	2581	rVB4	104868	148268	8.28%	0.825%
74	17.876	2581	2585	2589	rBV	420806	485360	27.11%	2.699%
75	17.970	2597	2601	2606	rBV3	233263	307599	17.18%	1.711%
76	18.029	2608	2611	2615	rVB4	82279	95970	5.36%	0.534%
77	18.258	2646	2650	2657	rBV3	111387	184163	10.29%	1.024%
78	18.810	2740	2744	2745	rBV2	96324	120365	6.72%	0.669%
79	18.834	2745	2748	2754	rVB4	195677	312653	17.46%	1.739%
80	18.969	2767	2771	2776	rBV	501540	647941	36.19%	3.603%
81	19.034	2780	2782	2791	rVB9	83247	151809	8.48%	0.844%
82	19.116	2792	2796	2800	rVB2	273674	389677	21.77%	2.167%
83	19.181	2805	2807	2812	rVB4	91448	97776	5.46%	0.544%
84	19.304	2824	2828	2831	rBV2	313728	471694	26.35%	2.623%
85	19.339	2831	2834	2837	rVB	368391	437506	24.44%	2.433%
86	19.463	2852	2855	2860	rVB6	92717	106814	5.97%	0.594%
87	19.568	2870	2873	2879	rVB2	252128	319803	17.86%	1.778%
88	19.833	2914	2918	2923	rVB4	210765	295509	16.51%	1.643%
89	19.886	2924	2927	2932	rVB	169482	194235	10.85%	1.080%
90	20.115	2962	2966	2970	rBV3	163234	211911	11.84%	1.178%
91	20.250	2986	2989	2995	rVB	233535	280731	15.68%	1.561%
92	20.432	3017	3020	3025	rVB4	137051	159352	8.90%	0.886%
93	20.738	3069	3072	3078	rBV2	98098	158133	8.83%	0.879%
94	21.031	3118	3122	3129	rBV	1493370	1790289	100.00%	9.956%
95	21.102	3129	3134	3138	rVV2	397346	793208	44.31%	4.411%
96	21.143	3138	3141	3147	rVB	317892	400890	22.39%	2.229%
97	21.748	3241	3244	3249	rBV2	227655	282117	15.76%	1.569%
98	21.895	3266	3269	3273	rBV2	385709	519744	29.03%	2.890%
99	22.635	3391	3395	3400	rBV	268570	589017	32.90%	3.276%
100	23.188	3487	3489	3495	rVB	280753	406315	22.70%	2.260%

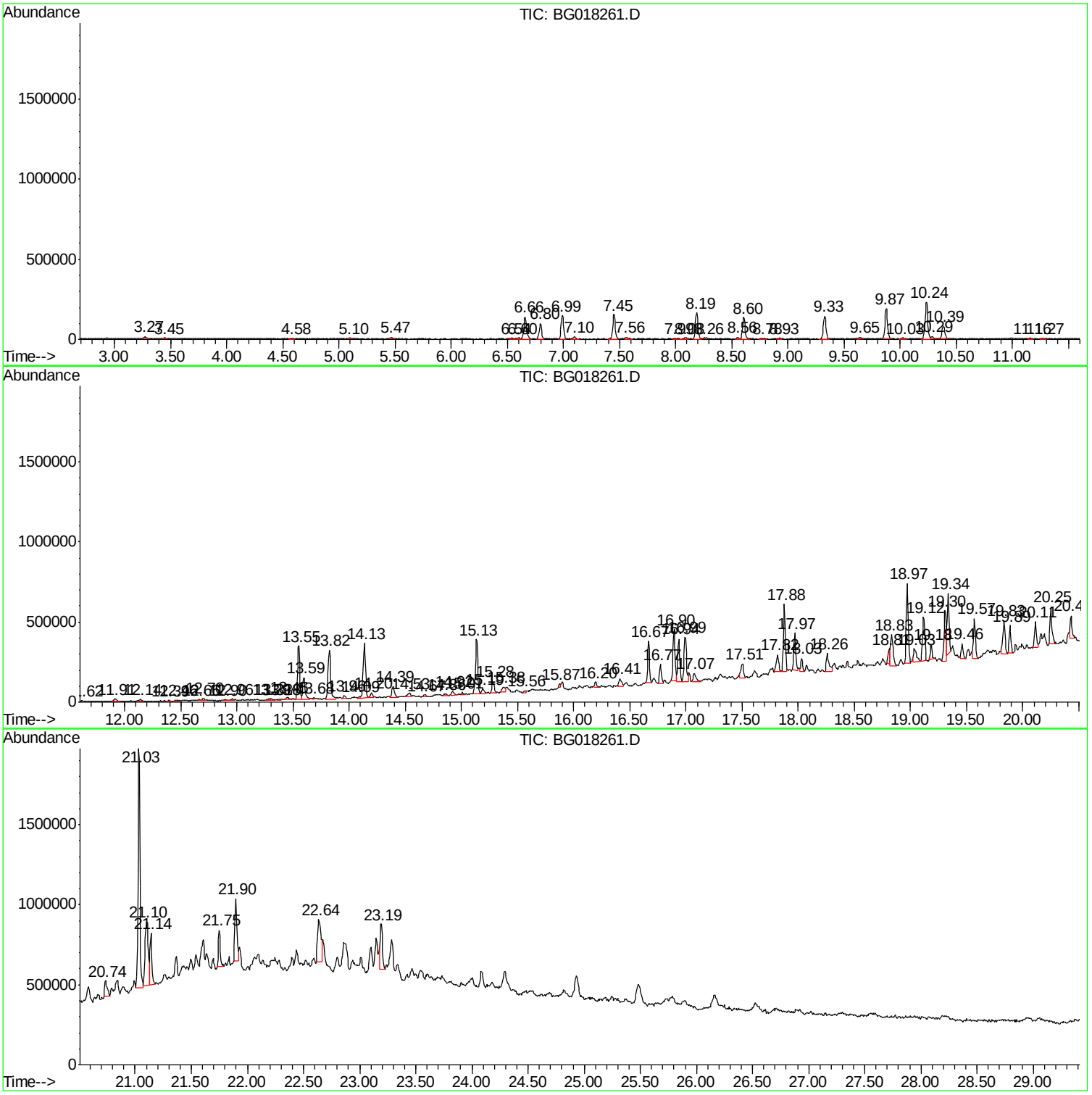
Sum of corrected areas: 17982265

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

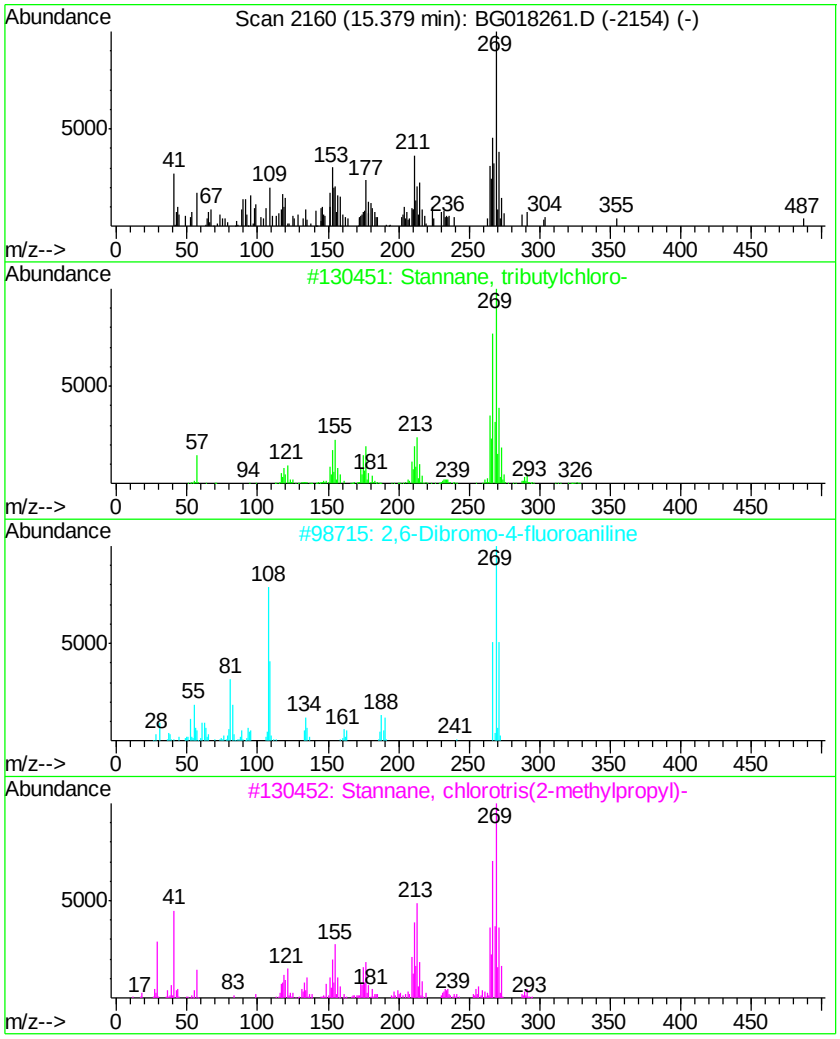
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

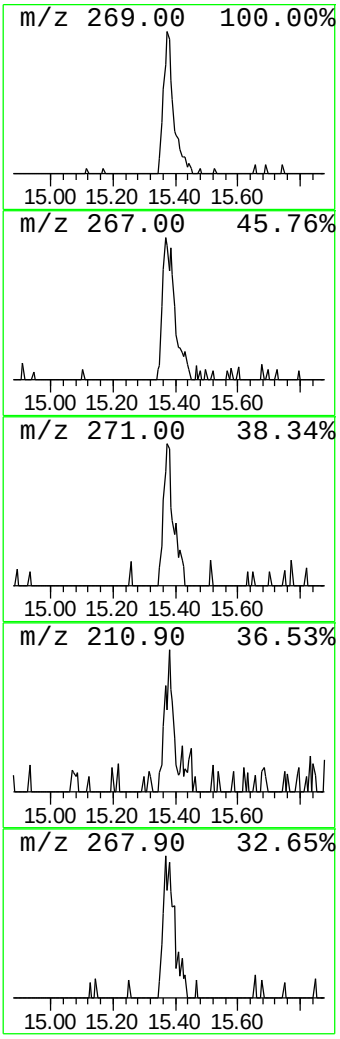
****

Peak Number 2 Stannane, tributylchloro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	2.36 ng/ul	60239	Acenaphthene-d10	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stannane, tributylchloro-	326	C12H27ClSn	001461-22-9	58
2	2,6-Dibromo-4-fluoroaniline	267	C6H4Br2FN	000344-18-3	47
3	Stannane, chlorotris(2-methylpro...	326	C12H27ClSn	007342-38-3	40
4	3-[p-Methoxyphenyl]-4-chloroquin...	269	C16H12ClNO	1000254-67-0	38
5	1H-1,2,4-Triazole-5(4H)-thione, ...	269	C11H12ClN3OS	1000271-74-2	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

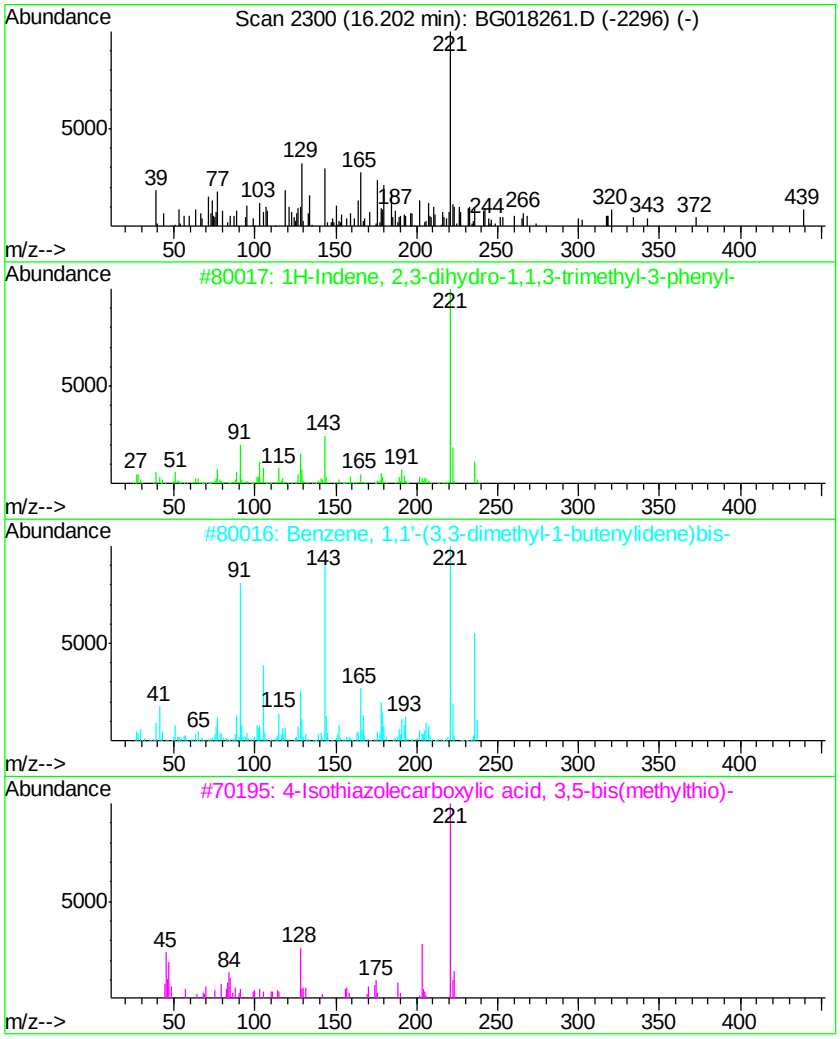
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

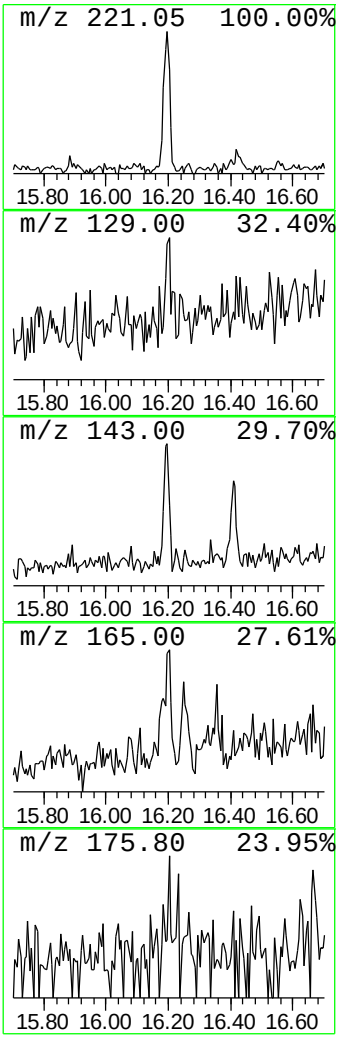
****

Peak Number 3 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.16 ng/ul	46934	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	56
2	Benzene, 1,1'-(3,3-dimethyl-1-bu...	236	C18H20	023586-64-3	45
3	4-Isothiazolecarboxylic acid, 3,...	221	C6H7NO2S3	004886-15-1	43
4	Indolisine, 6-ethyl-2-phenyl-	221	C16H15N	079373-01-6	43
5	2-(Trifluoromethyl)-7H-1,3,4-thi...	221	C6H2F3N3OS	094605-13-7	41





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

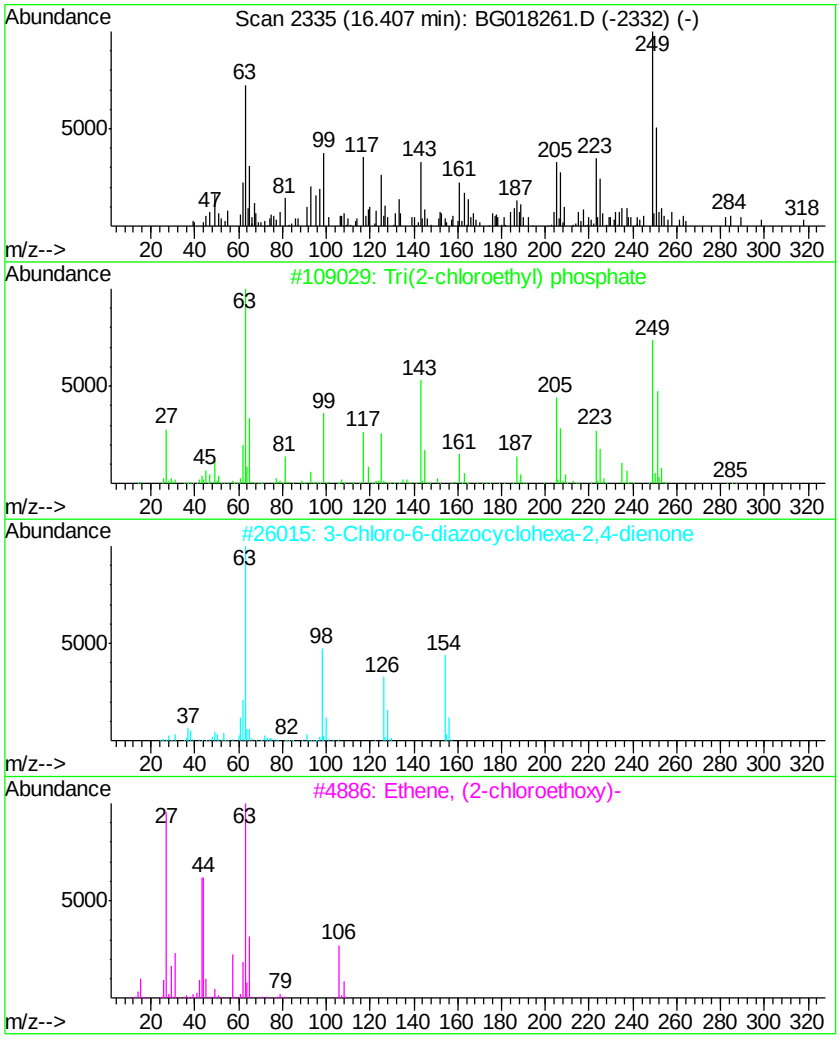
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

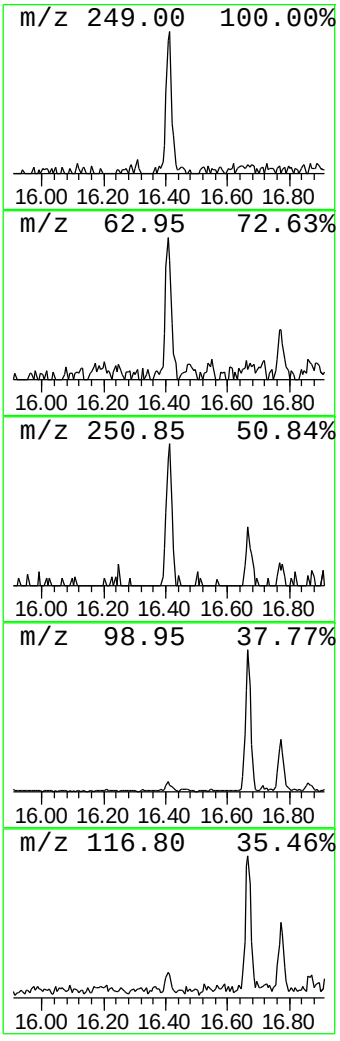
****

Peak Number 4 Tri(2-chloroethyl) phosphate Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	4.01 ng/ul	87234	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	62
2	3-Chloro-6-diazocyclohexa-2,4-di...	154	C6H3ClN2O	080090-95-5	46
3	Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	38
4	Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	35
5	Propanoic acid, 2-chloro-, ethyl...	136	C5H9ClO2	000535-13-7	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

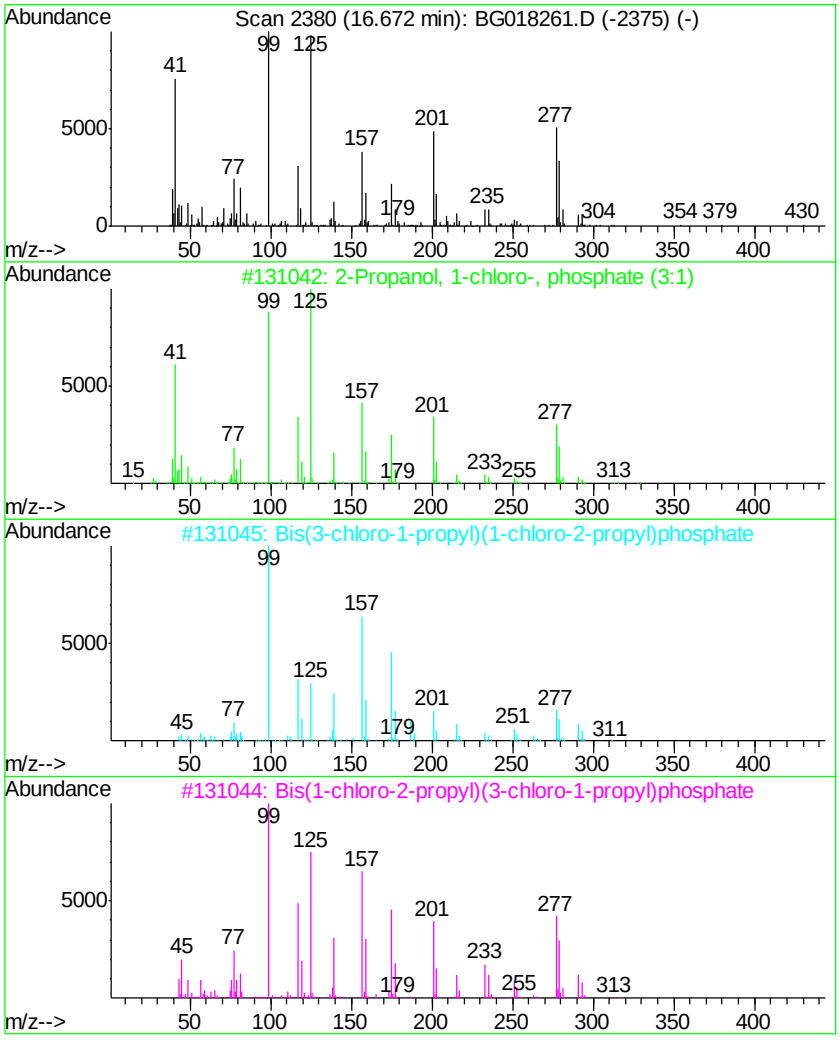
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

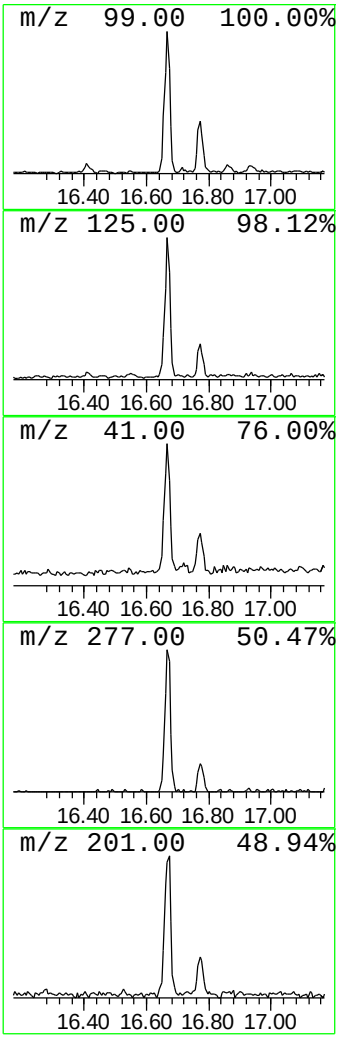
****

Peak Number 5 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	14.12 ng/ul	307182	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	43
2	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	27
3	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	22
4	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	18
5	Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	10





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

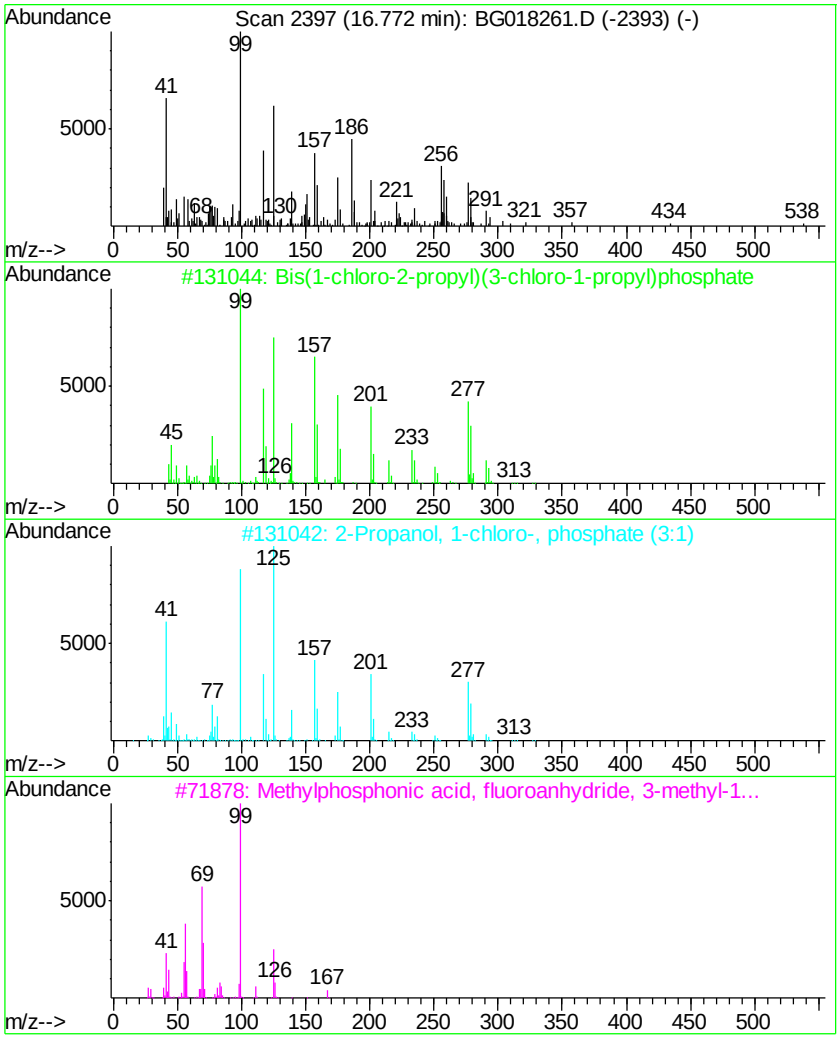
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

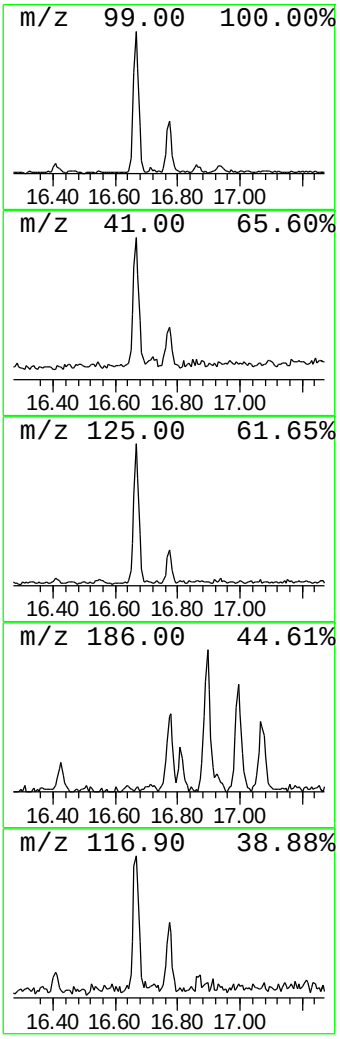
****

Peak Number 6 Bis(1-chloro-2-propyl)(3-ch... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	6.63 ng/ul	144157	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	52
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	27
3	Methylphosphonic acid, fluoroanh...	224	C10H22FO2P	193090-16-3	14
4	8-t-Butyl-1,4-dioxa-spiro[4.5]de...	270	C15H26O4	1000190-16-1	14
5	N-Phenyl-N'-(2-piperazin-1-yl-et...	276	C14H20N4O2	332404-00-9	11





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Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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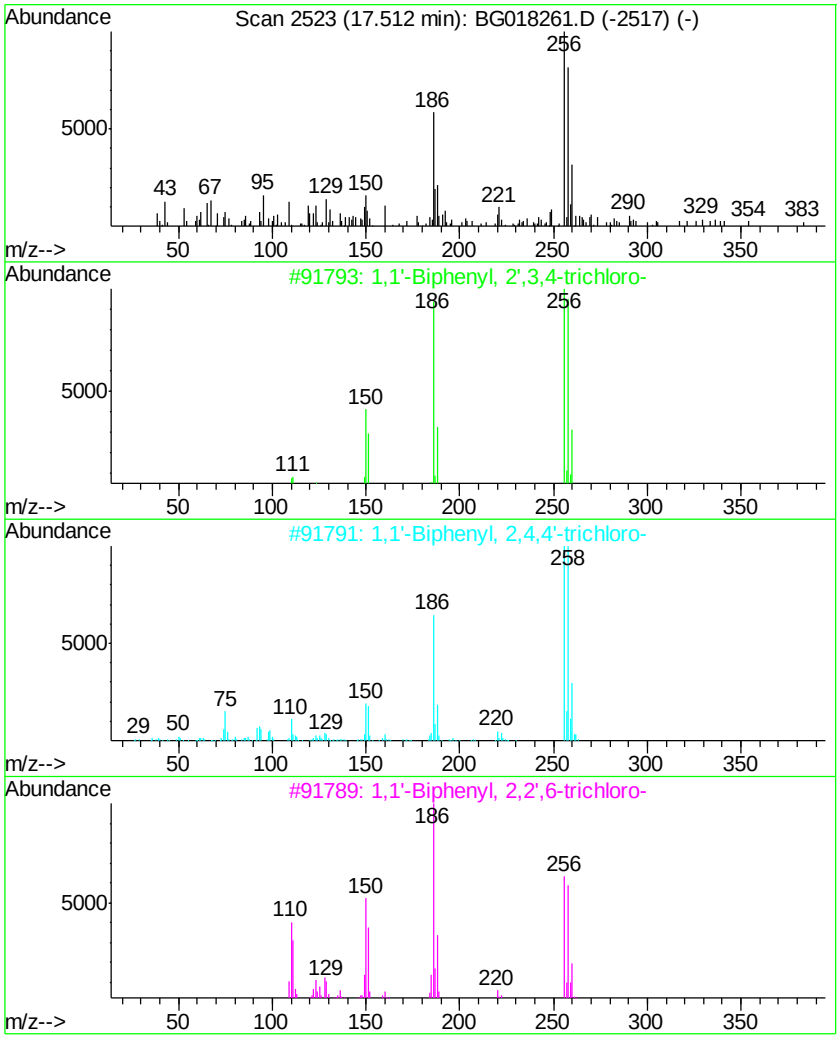
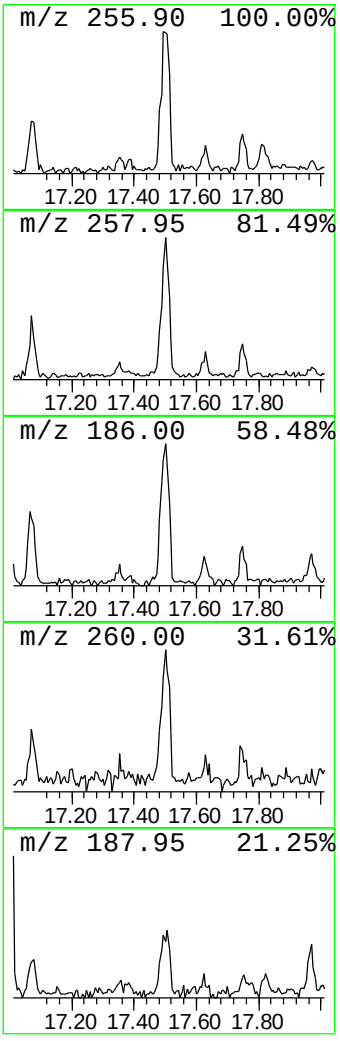
Peak Number 7 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.51	6.89 ng/ul	149782	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	93
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	93
3	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	93
4	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	90
5	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	90





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Instrument : BNA_G
ClientSampleId : C01W2

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Quant Title : SVOA CALIBRATION

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

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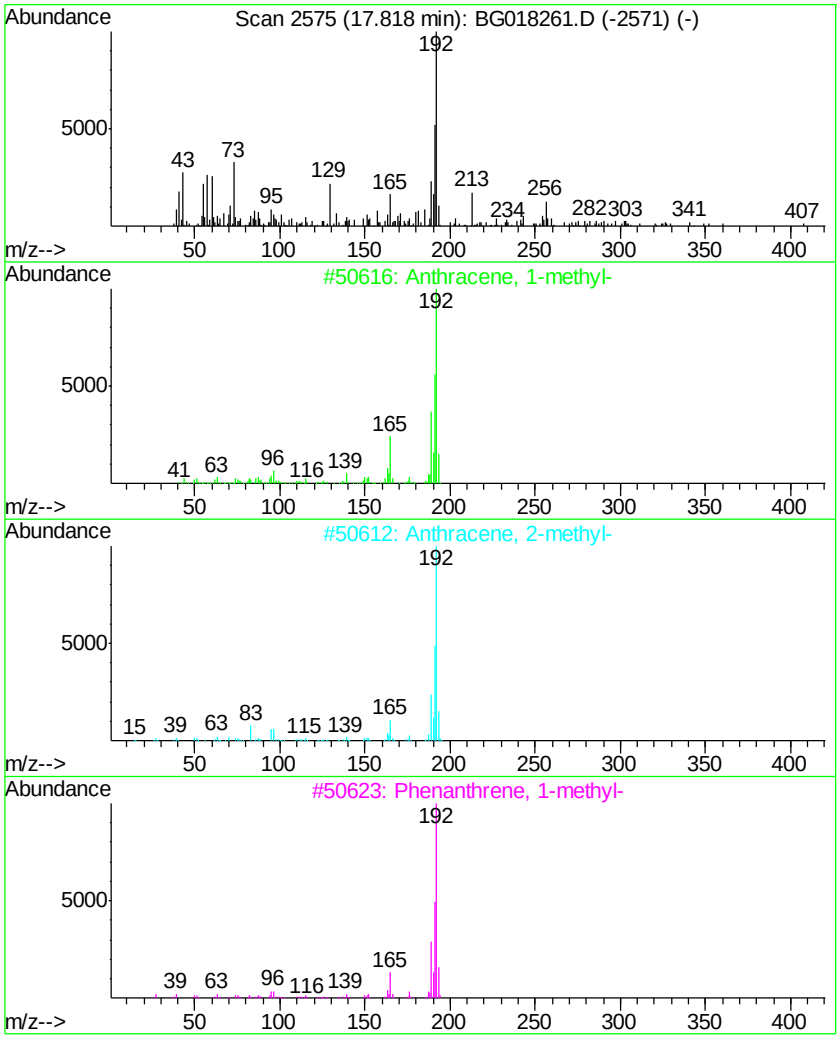
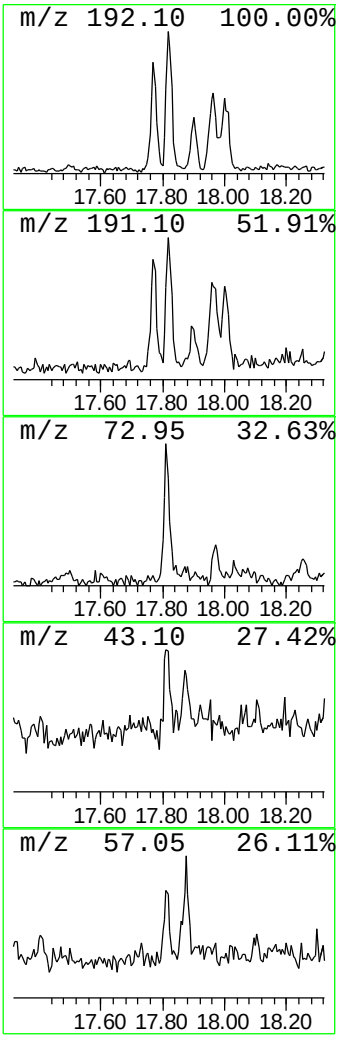
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	6.82 ng/ul	148268	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	55
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55





Library Search Compound Report

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Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId : C01W2

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Quant Title : SVOA CALIBRATION

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

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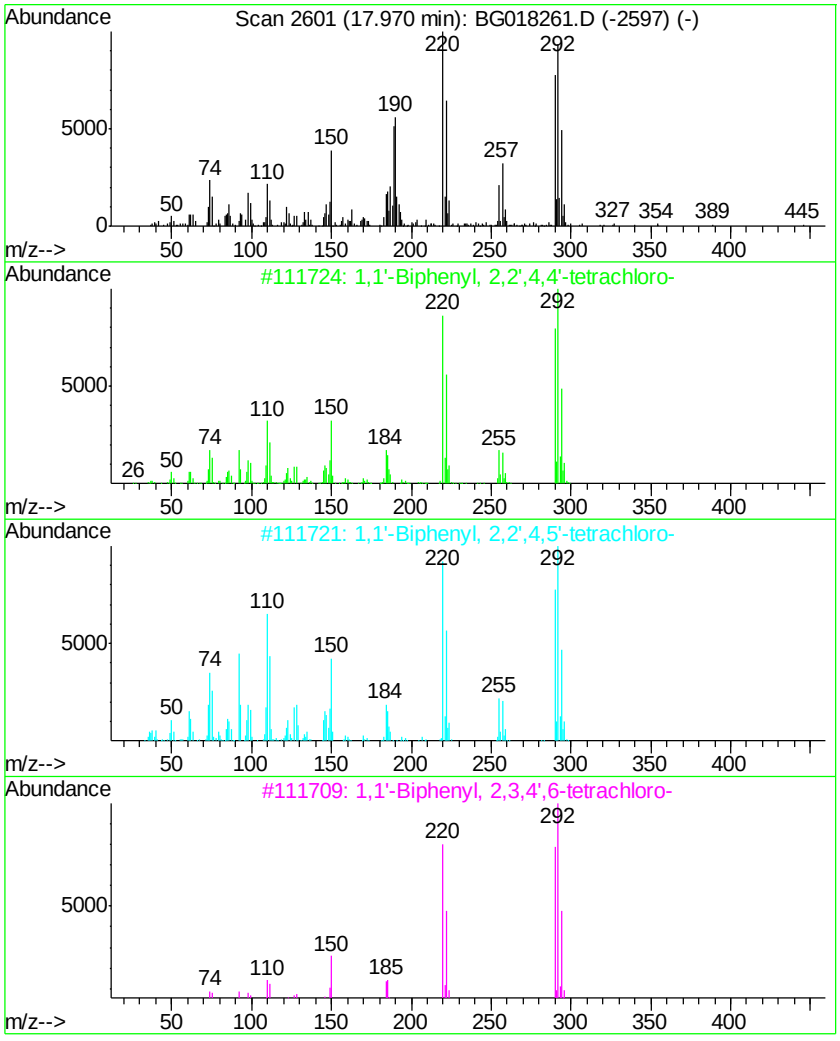
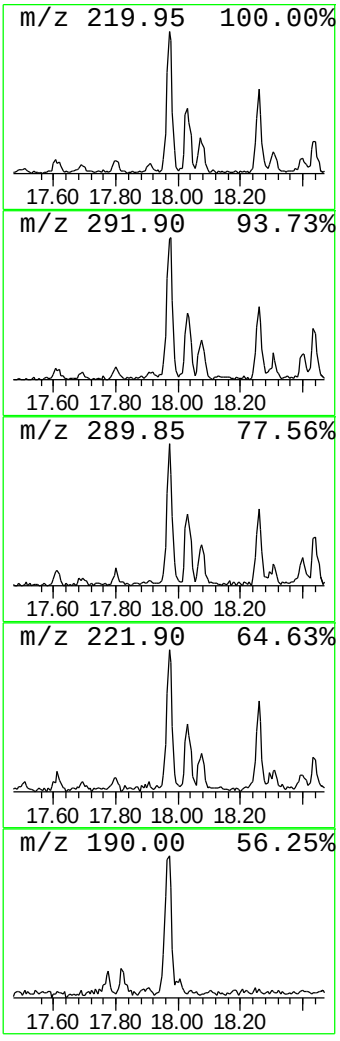
Peak Number 9 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	14.14 ng/ul	307599	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	95
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	95
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	95
5	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	95





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

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Quant Title : SVOA CALIBRATION

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

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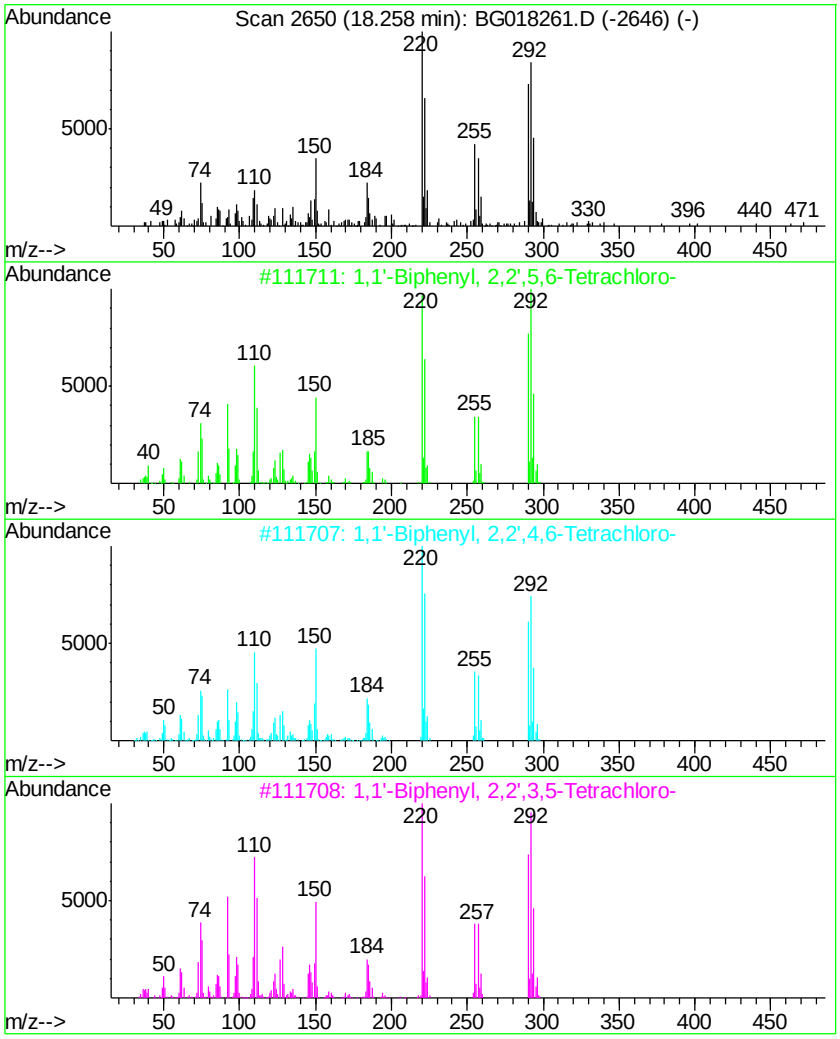
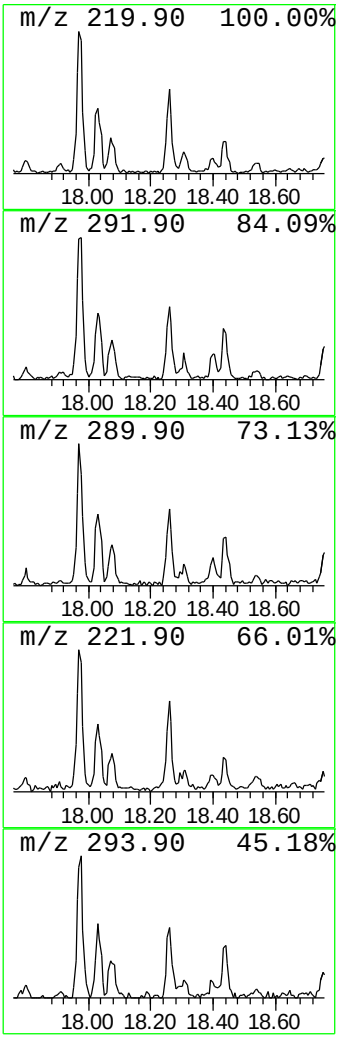
Peak Number 11 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	8.47 ng/ul	184163	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	96
2	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	96
3	1,1'-Biphenyl, 2,2',3,5-Tetrachl...	290	C12H6Cl4	070362-46-8	95
4	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	95
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	95





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

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Quant Title : SVOA CALIBRATION

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

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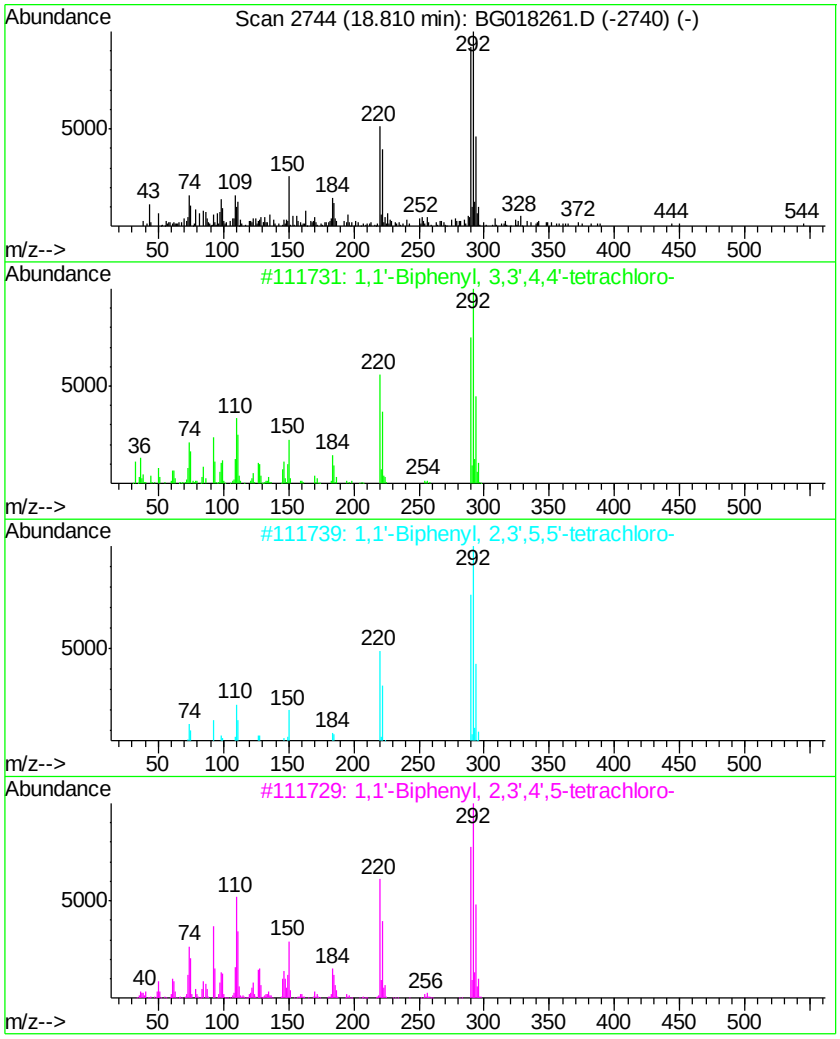
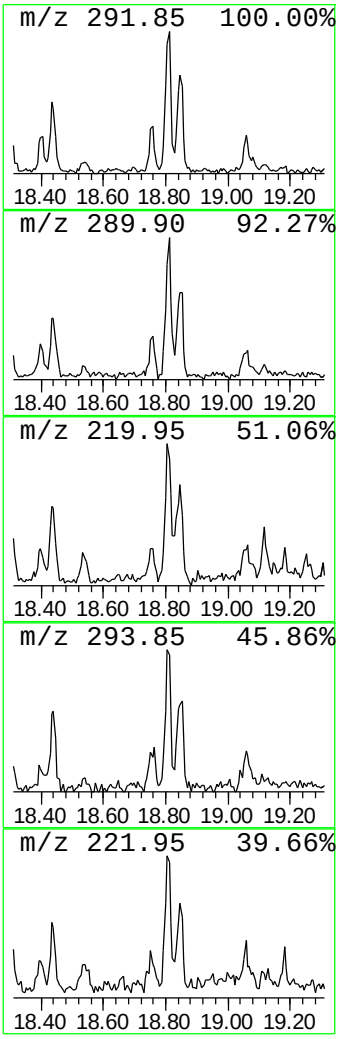
Peak Number 12 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	5.53 ng/ul	120365	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96
2	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	95
3	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	95
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	94
5	1,1'-Biphenyl, 2,3',4,4'-tetrach...	290	C12H6Cl4	032598-10-0	94





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Misc :
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Instrument : BNA_G
ClientSampleId : C01W2

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Quant Title : SVOA CALIBRATION

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

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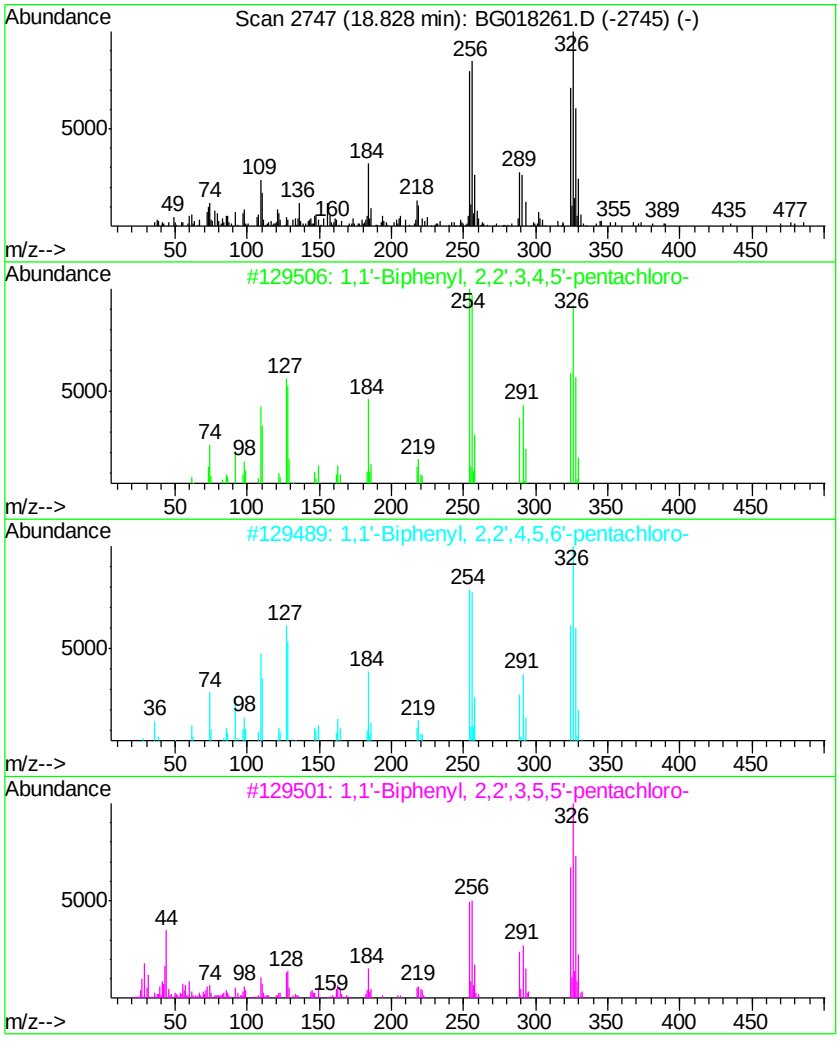
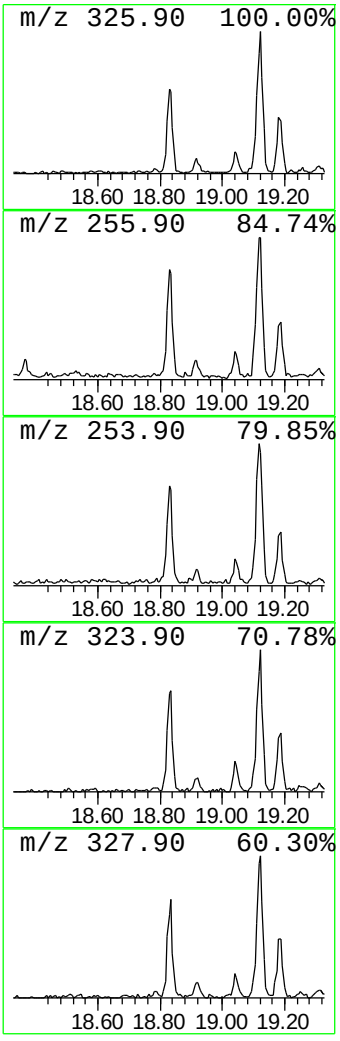
Peak Number 13 1,1'-Biphenyl, 2,2',3,4,5'-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	14.37 ng/ul	312653	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	94
2	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	94
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	94
4	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	94
5	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	93





Library Search Compound Report

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Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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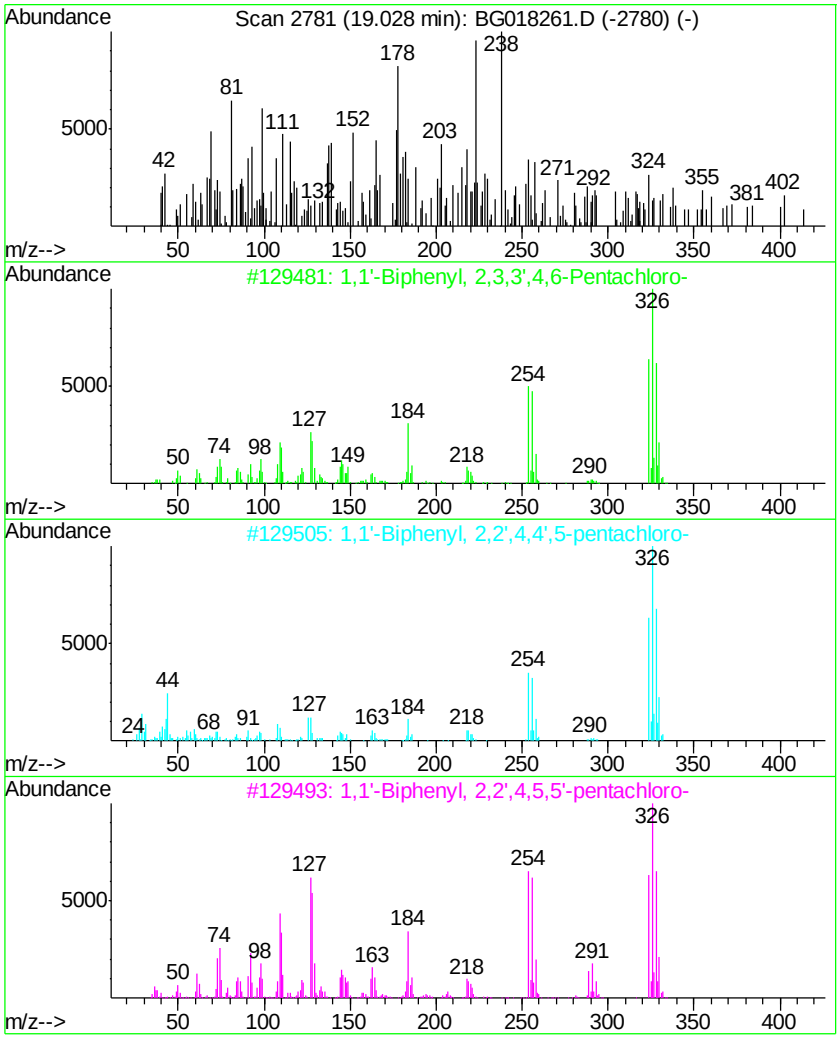
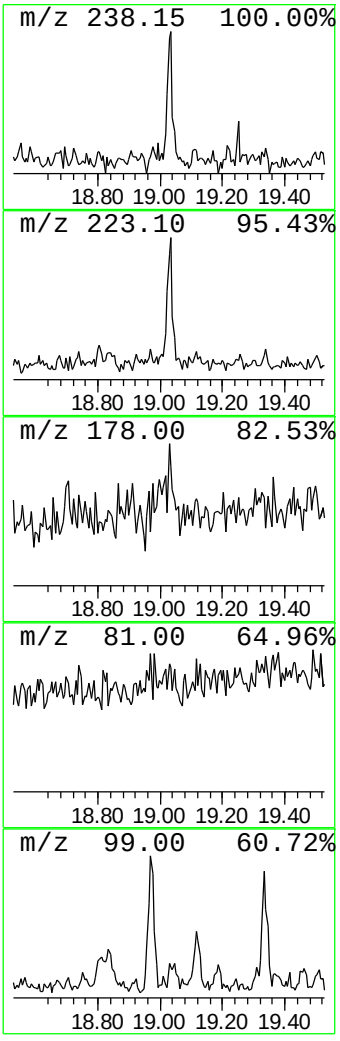
Peak Number 14 1,1'-Biphenyl, 2,3,3',4,6-P... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	3.83 ng/ul	151809	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	89
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	89
3	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	86
4	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	83
5	1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	70





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Operator : UM/TP
Sample : G3109-14
Misc :
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Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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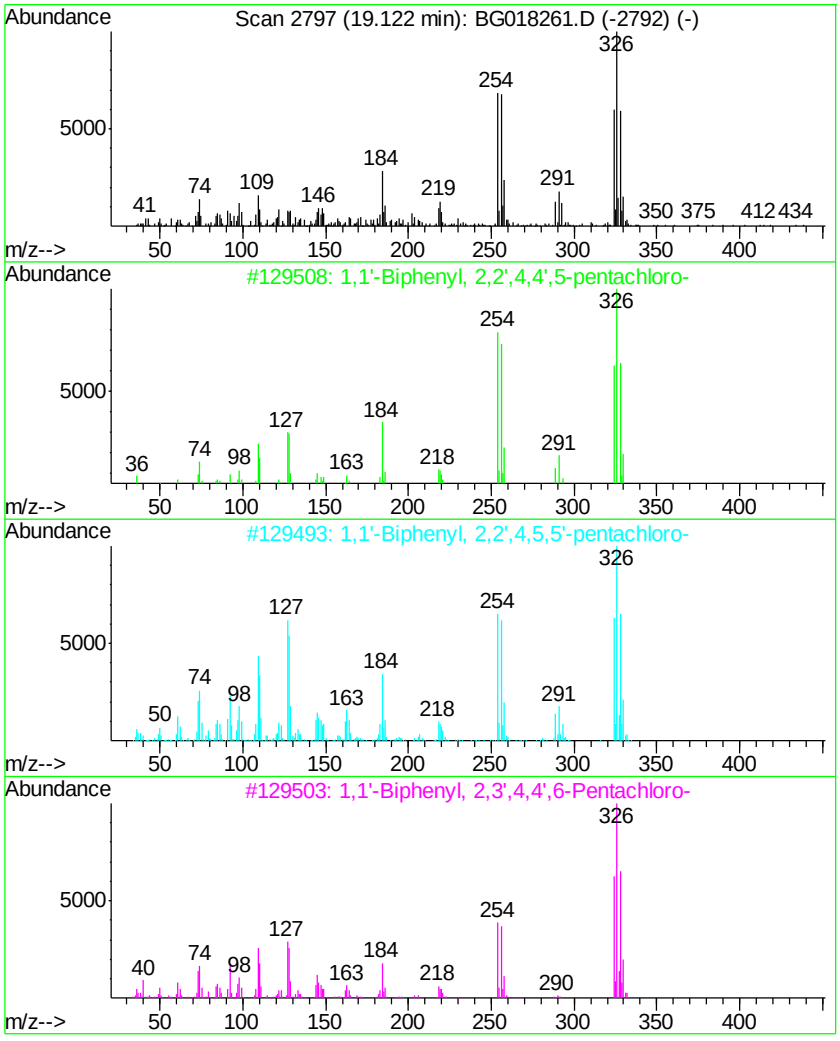
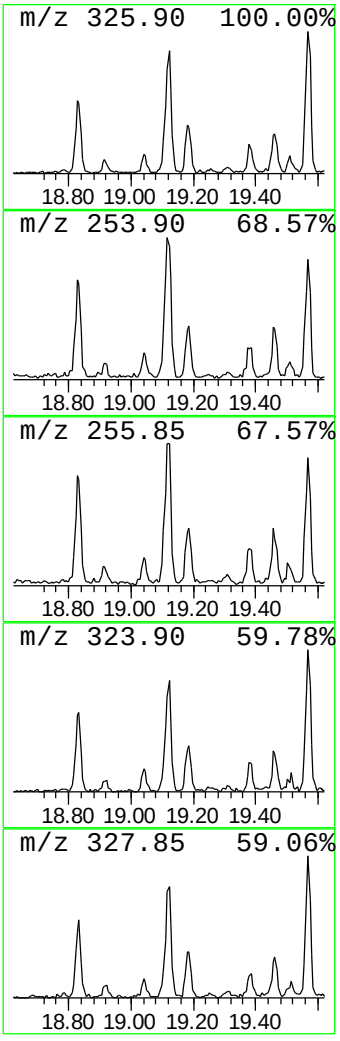
Peak Number 15 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	9.83 ng/ul	389677	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	97
2	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	96
3	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	95
4	1,1'-Biphenyl, 2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	95
5	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	95





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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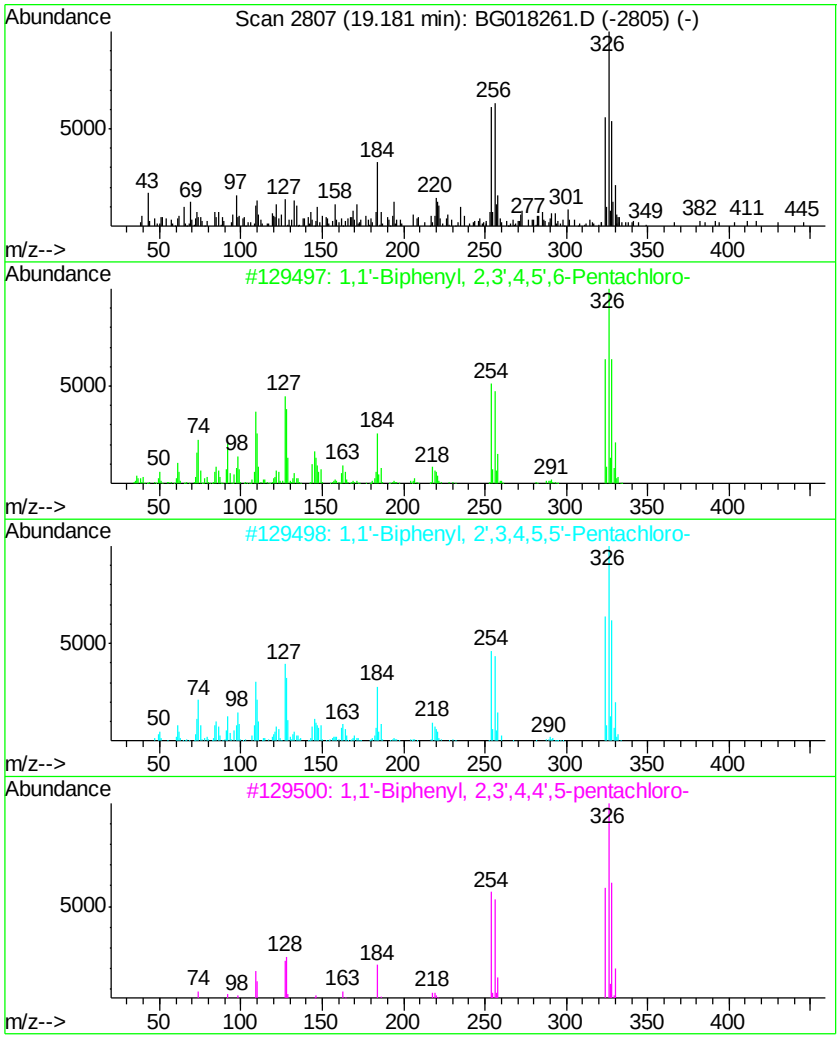
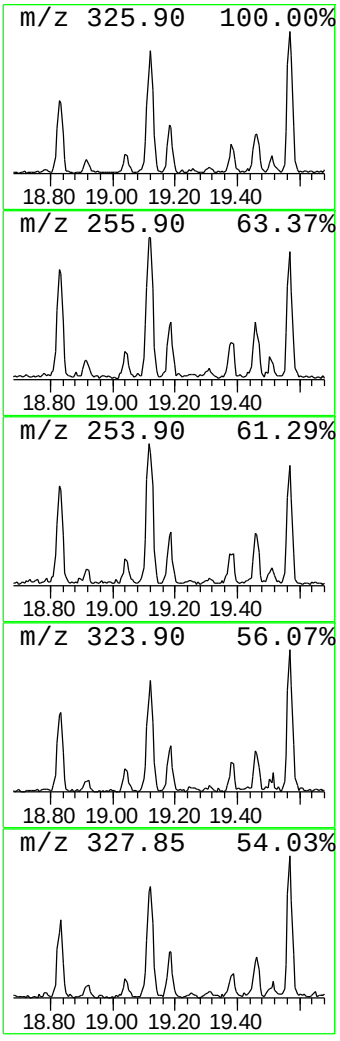
Peak Number 16 1,1'-Biphenyl, 2,3',4,5',6-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.18	2.47 ng/ul	97776	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	94
2	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	94
3	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	93
4	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	93
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	93





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Sample : G3109-14
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ClientSampleId : C01W2

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Quant Title : SVOA CALIBRATION

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

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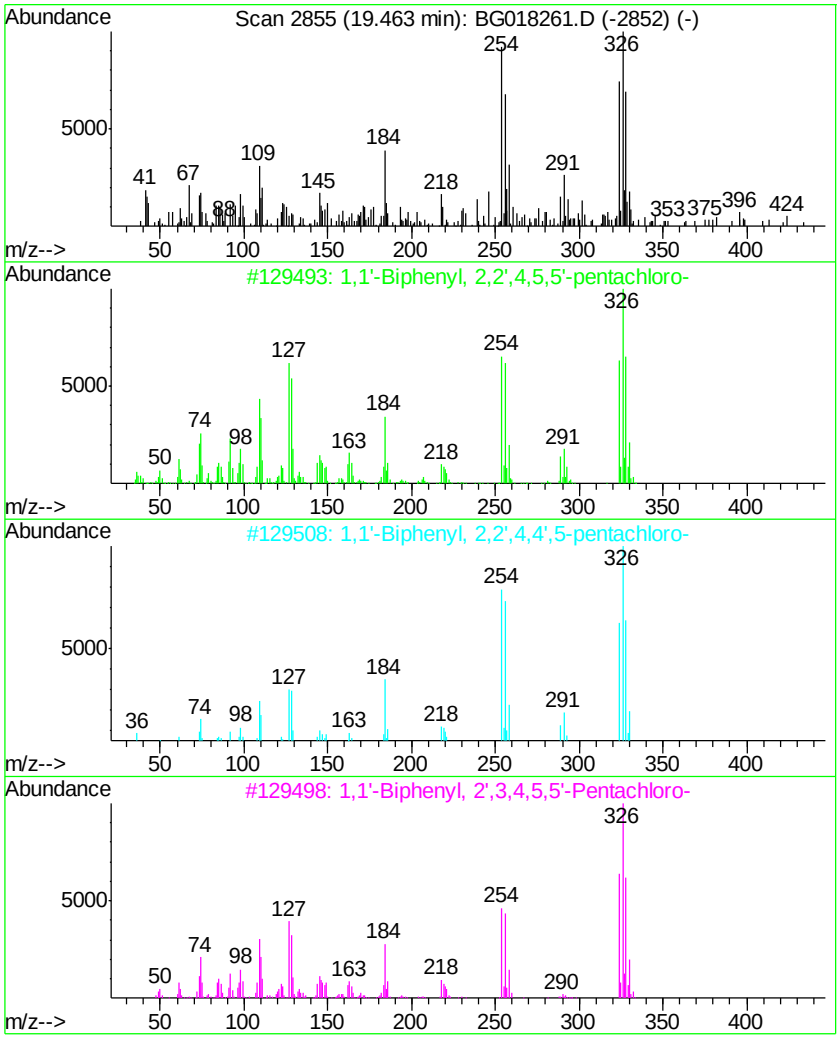
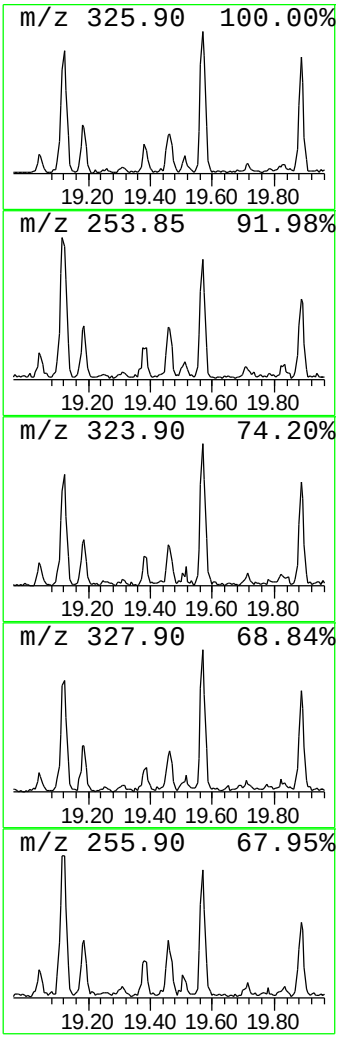
Peak Number 17 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.46	2.69 ng/ul	106814	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	93
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	93
3	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	91
4	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	91
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	90





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ClientSampleId : C01W2

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Quant Title : SVOA CALIBRATION

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

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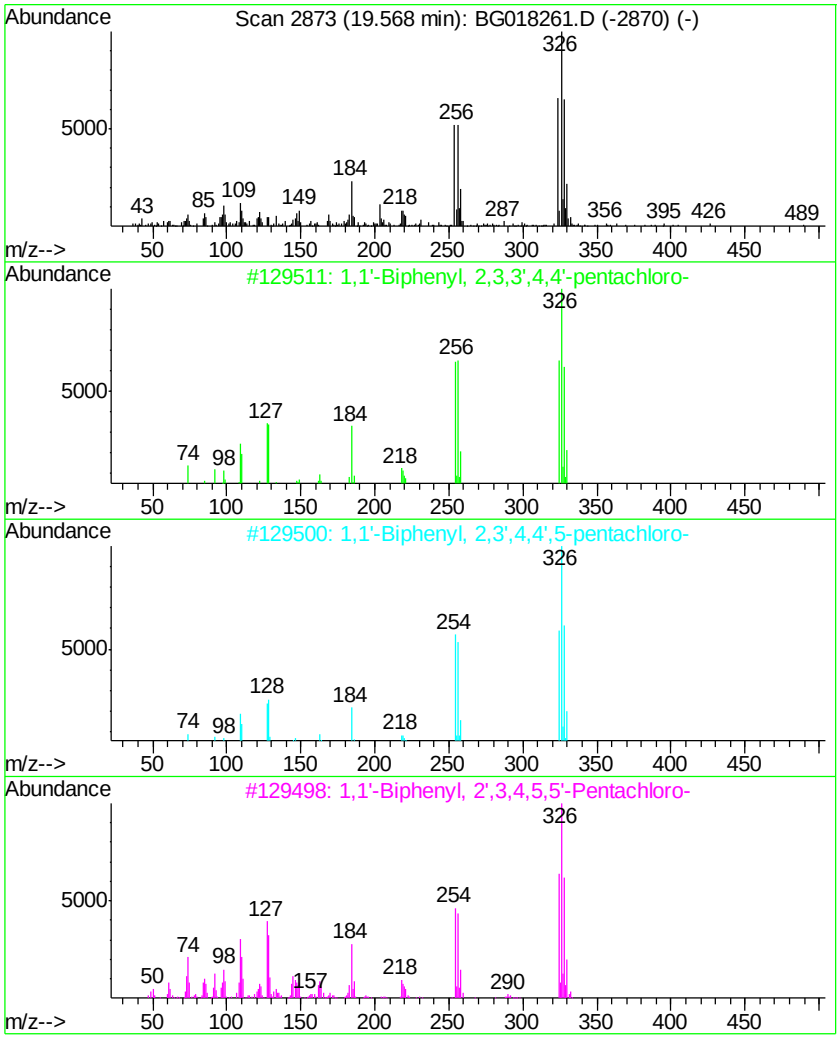
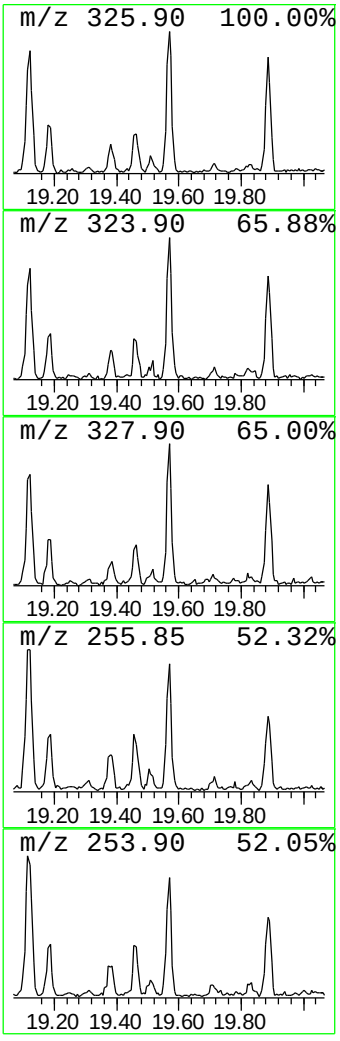
Peak Number 18 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	8.06 ng/ul	319803	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95
3	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	95
4	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95
5	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

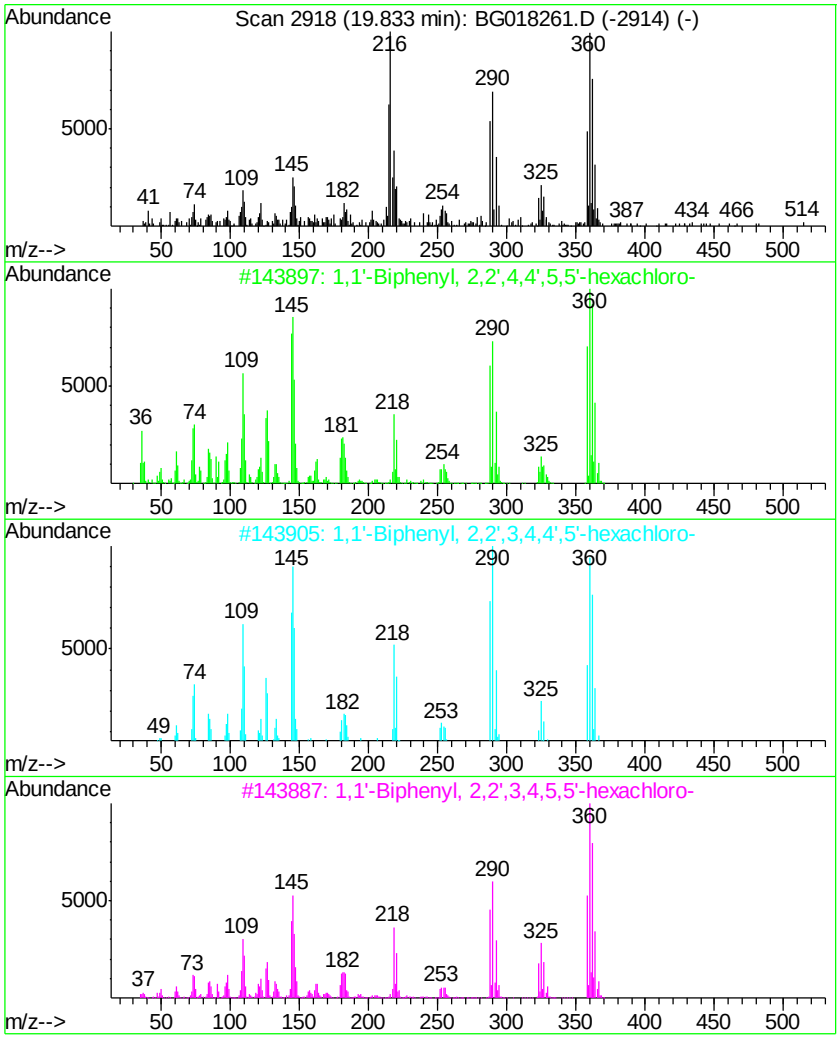
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

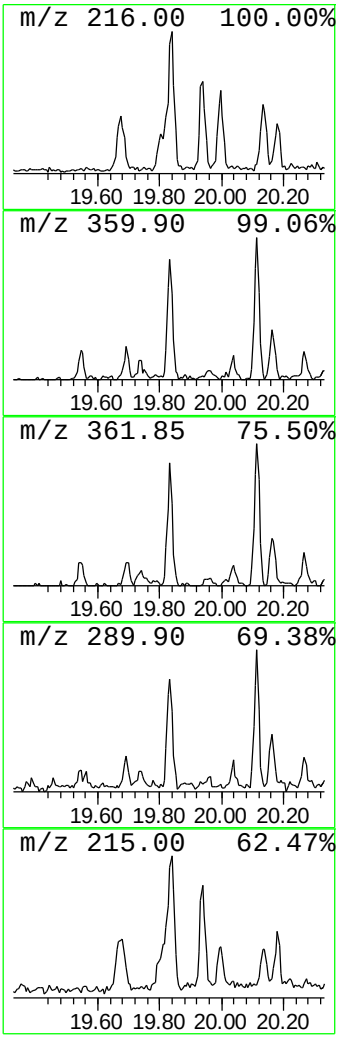
****

Peak Number 19 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	7.45 ng/ul	295509	Chrysene-d12	21.11

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	95
2	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	95
3	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	95
4	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	95
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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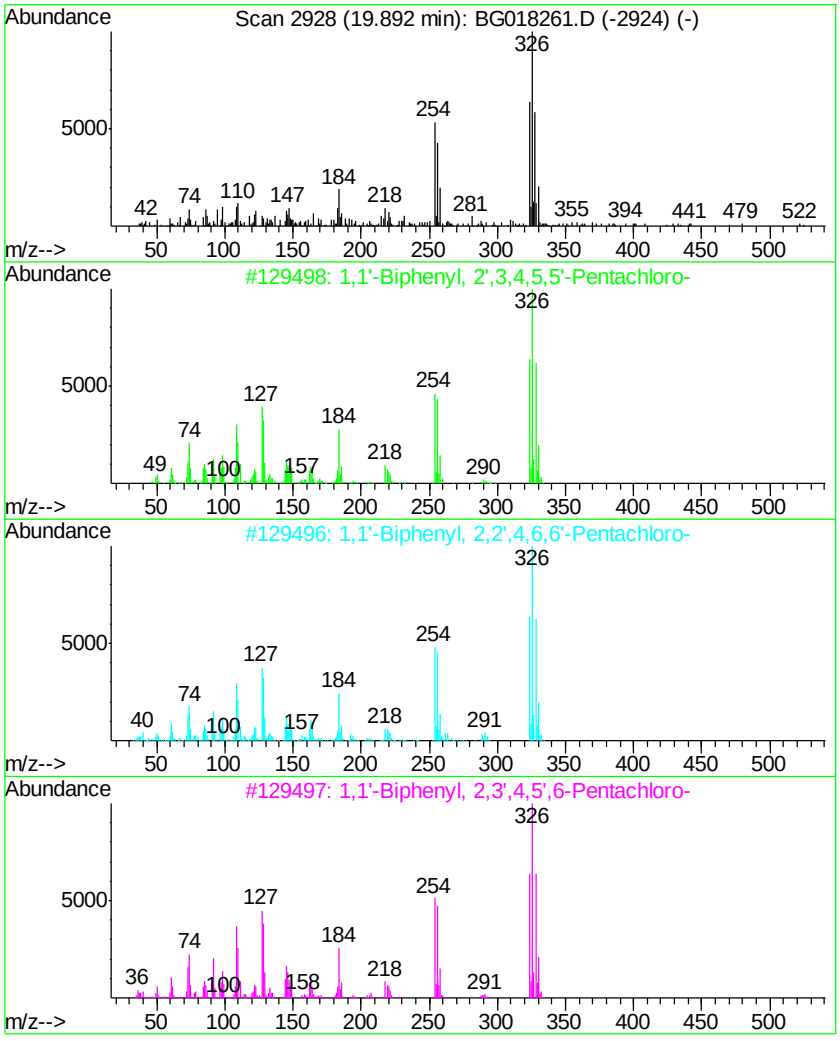
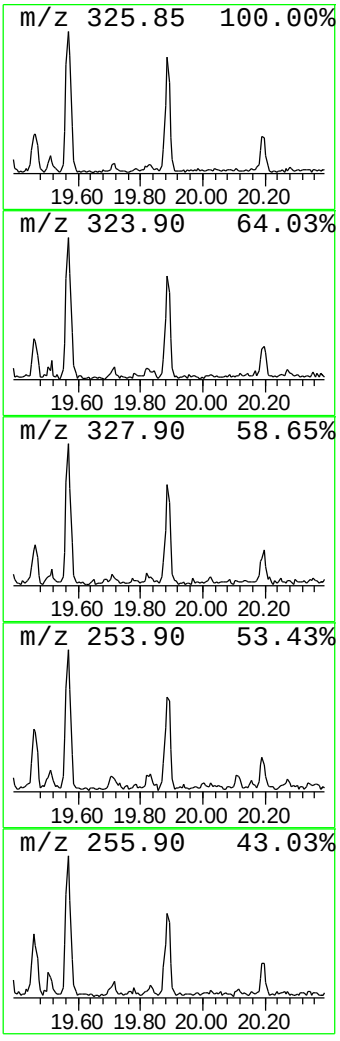
Peak Number 20 1,1'-Biphenyl, 2',3,4,5,5'-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	4.90 ng/ul	194235	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	96
2	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	95
3	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95
4	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	94
5	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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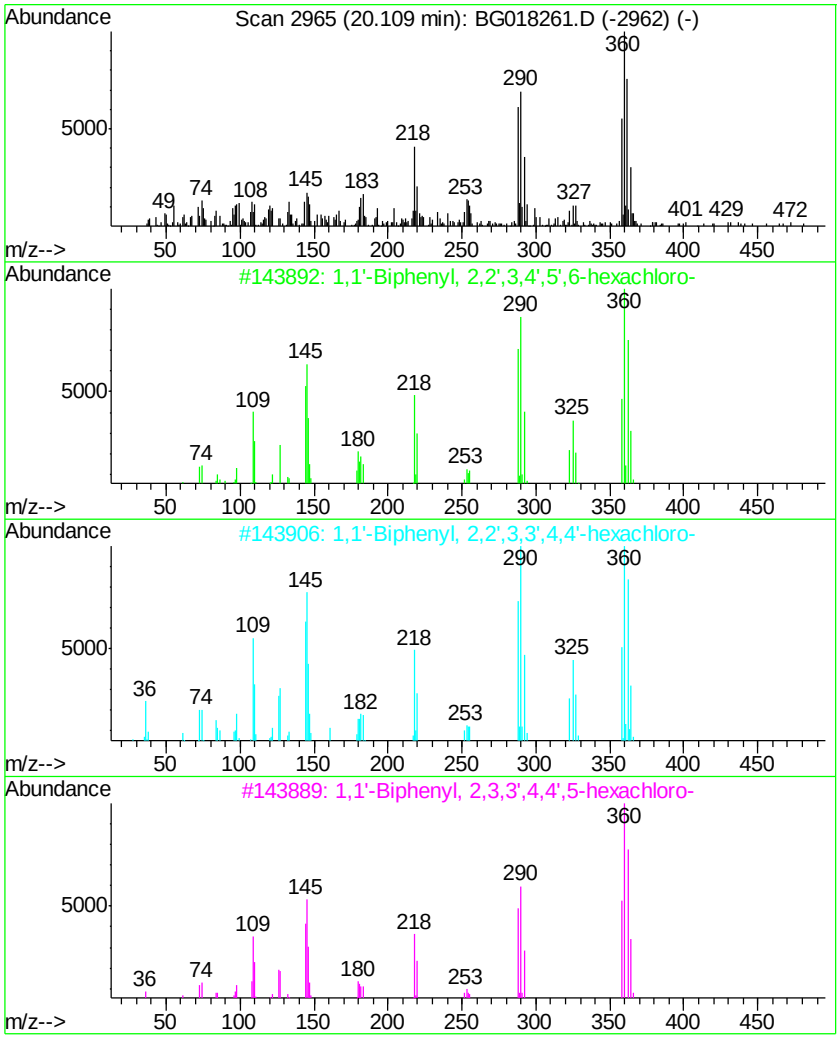
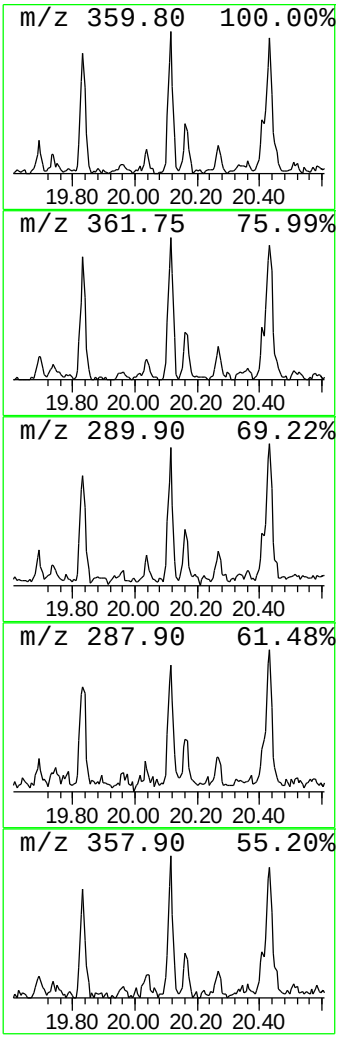
Peak Number 21 1,1'-Biphenyl, 2,2',3,4',5'... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	5.34 ng/ul	211911	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	95
2	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	95
3	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	94
4	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	94
5	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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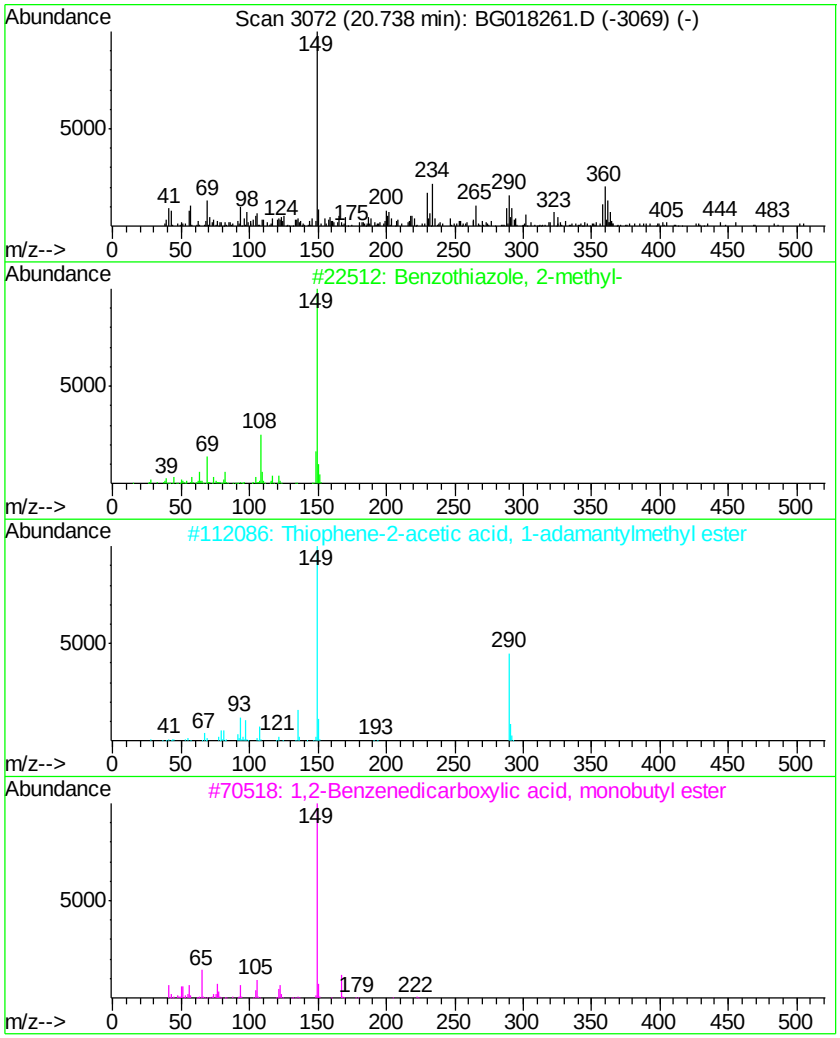
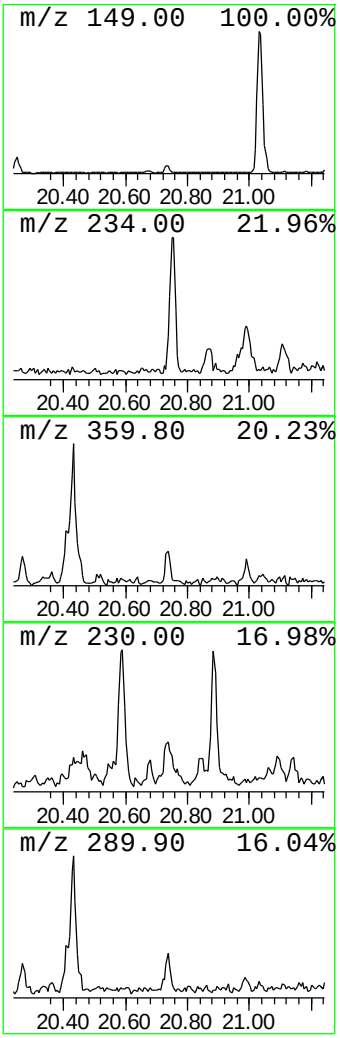
Peak Number 23 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	3.99 ng/ul	158133	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzothiazole, 2-methyl-	149	C8H7NS	000120-75-2	38
2	Thiophene-2-acetic acid, 1-adama...	290	C17H22O2S	1000282-82-5	38
3	1,2-Benzenedicarboxylic acid, mo...	222	C12H14O4	000131-70-4	38
4	7-Methylthieno[3,2-b]pyridine	149	C8H7NS	013362-83-9	35
5	2-t-Butyl-5-[hydroxy-(2,4,6-trim...	306	C18H26O4	092572-63-9	35





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION

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

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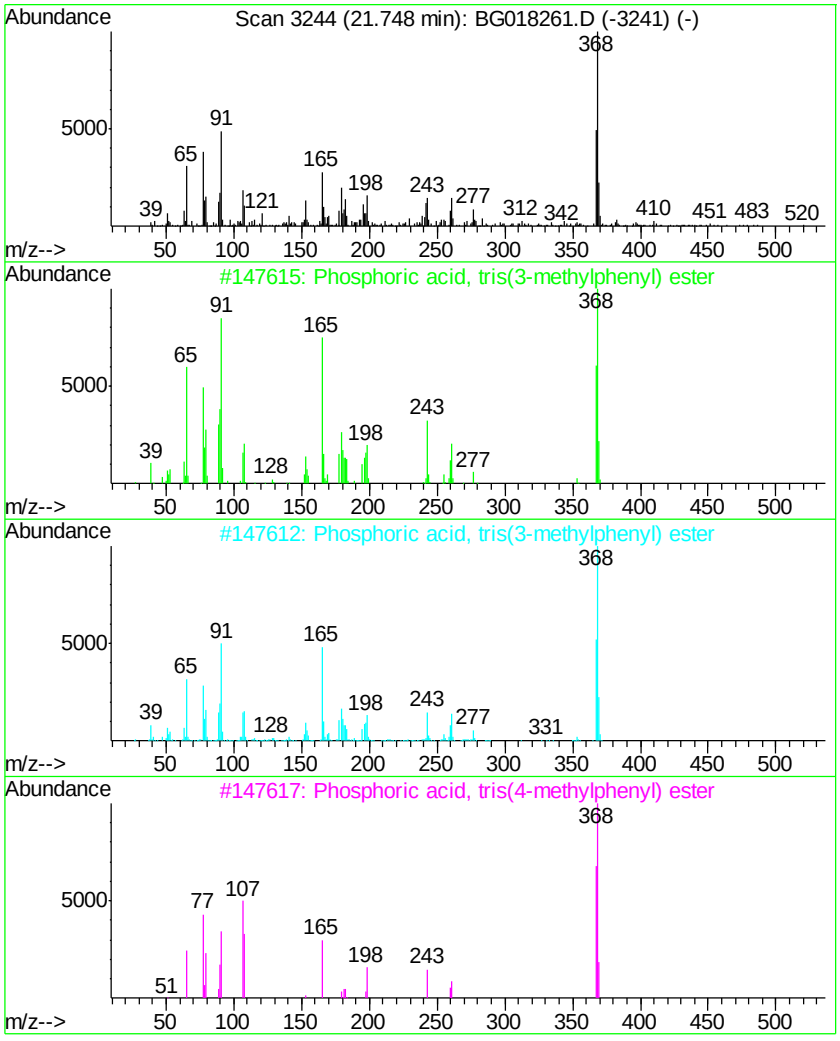
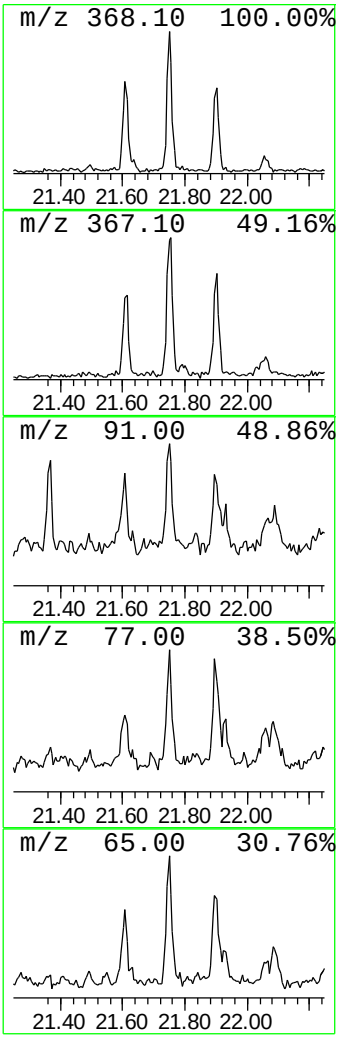
Peak Number 24 Phosphoric acid, tris(3-met... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.75	7.11 ng/ul	282117	Chrysene-d12	21.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
3	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	68
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	58
5	Pyrimidine-4,6-dione, hexahydro-...	368	C19H16N2O4S	310421-18-2	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018261.D
Acq On : 4 Aug 2015 20:05
Operator : UM/TP
Sample : G3109-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.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
Stannane, tributy...	15.38	2.4	ng/ul	60239	3	14.13	510211	20.0
1H-Indene, 2,3-di...	16.20	2.2	ng/ul	46934	4	16.90	435026	20.0
Tri(2-chloroethyl...	16.41	4.0	ng/ul	87234	4	16.90	435026	20.0
unknown-01	16.67	14.1	ng/ul	307182	4	16.90	435026	20.0
Bis(1-chloro-2-pr...	16.77	6.6	ng/ul	144157	4	16.90	435026	20.0
1,1'-Biphenyl, 2'...	17.51	6.9	ng/ul	149782	4	16.90	435026	20.0
Anthracene, 1-met...	17.82	6.8	ng/ul	148268	4	16.90	435026	20.0
1,1'-Biphenyl, 2,...	17.97	14.1	ng/ul	307599	4	16.90	435026	20.0
1,1'-Biphenyl, 2,...	18.26	8.5	ng/ul	184163	4	16.90	435026	20.0
1,1'-Biphenyl, 3,...	18.81	5.5	ng/ul	120365	4	16.90	435026	20.0
1,1'-Biphenyl, 2,...	18.83	14.4	ng/ul	312653	4	16.90	435026	20.0
1,1'-Biphenyl, 2,...	19.03	3.8	ng/ul	151809	5	21.11	793208	20.0
1,1'-Biphenyl, 2,...	19.12	9.8	ng/ul	389677	5	21.11	793208	20.0
1,1'-Biphenyl, 2,...	19.18	2.5	ng/ul	97776	5	21.11	793208	20.0
1,1'-Biphenyl, 2,...	19.46	2.7	ng/ul	106814	5	21.11	793208	20.0
1,1'-Biphenyl, 2,...	19.57	8.1	ng/ul	319803	5	21.11	793208	20.0
1,1'-Biphenyl, 2,...	19.83	7.5	ng/ul	295509	5	21.11	793208	20.0
1,1'-Biphenyl, 2'...	19.89	4.9	ng/ul	194235	5	21.11	793208	20.0
1,1'-Biphenyl, 2,...	20.11	5.3	ng/ul	211911	5	21.11	793208	20.0
unknown-02	20.74	4.0	ng/ul	158133	5	21.11	793208	20.0
Phosphoric acid, ...	21.75	7.1	ng/ul	282117	5	21.11	793208	20.0