LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

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-BG080515.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	4.961	381	387	391	rBV	18214	24989	0.18%	0.060%
2	5.091	405	409	412	rBV2	15072	25516	0.18%	0.061%
3	5.461	465	472	477	rBV5	15283	27109	0.19%	0.065%
4	6.424	631	636	643	rVB6	10568	22908	0.16%	0.055%
5	6.536	650	655	660	rBV2	13886	21616	0.15%	0.052%
6	6.595	660	665	669	rVV3	14898	25046	0.18%	0.060%
7	6.665	671	677	685	rVB	111129	182943	1.29%	0.440%
8	6.789	690	698	703	rBV	79147	121675	0.86%	0.292%
9	6.988	726	732	740	rVB	115571	188682	1.33%	0.454%
10	7.094	742	750	757	rVV2	24252	43075	0.30%	0.104%
11	7.447	803	810	819	rBV	191771	304761	2.15%	0.733%
12	7.981	897	901	907	rVB5	8932	18273	0.13%	0.044%
13	8.087	914	919	925	rBV5	15537	25747	0.18%	0.062%
14	8.193	930	937	943	rBV	124111	203703	1.44%	0.490%
15	8.446	976	980	986	rVB5	7933	15428	0.11%	0.037%
16	8.551	993	998	1001	rBV4	14743	26459	0.19%	0.064%
17	8.604	1001	1007	1014	rVV	110287	184455	1.30%	0.443%
18	8.675	1014	1019	1025	rVB6	12154	24913	0.18%	0.060%
19	8.781	1034	1037	1043	rVB6	10014	17400	0.12%	0.042%
20	8.933	1057	1063	1072	rVB3	37215	62678	0.44%	0.151%
21	9.074	1082	1087	1091	rBV4	10482	17729	0.13%	0.043%
22	9.133	1091	1097	1098	rBV2	11418	16344	0.12%	0.039%
23	9.327	1121	1130	1136	rBV	115922	194981	1.38%	0.469%
24	9.638	1177	1183	1186	rBV6	12320	18065	0.13%	0.043%
25	9.885	1218	1225	1232	rBV	157363	258270	1.82%	0.621%
26	10.108	1257	1263	1268	rBV5	21403	36591	0.26%	0.088%
27	10.232	1274	1284	1290	rBV	293097	508207	3.58%	1.222%
28	10.285	1290	1293	1300	rVB	46778	70886	0.50%	0.170%
29	10.384	1306	1310	1320	rVB5	23958	54037	0.38%	0.130%
30	10.625	1346	1351	1355	rBV5	17576	31166	0.22%	0.075%
31	11.166	1438	1443	1447	rBV8	9165	19026	0.13%	0.046%
32	11.266	1455	1460	1465	rBV8	16943	37279	0.26%	0.090%
33	11.618	1516	1520	1525	rVB5	14876	24800	0.17%	0.060%
34	11.677	1525	1530	1534	rBV7	12564	21065	0.15%	0.051%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

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-BG080515.M
Title : SVOA CALIBRATION

35	11.912	1565	1570	1575	rVB2	48747	83036	0.59%	0.200%
36	11.989	1578	1583	1588	rBV7	8997	22354	0.16%	0.054%
37	12.135	1604	1608	1612	rBV2	24266	33534	0.24%	0.081%
38	12.453	1658	1662	1667	rBV8	13317	25421	0.18%	0.061%
39	12.658	1694	1697	1699	rVV4	16240	18059	0.13%	0.043%
40	12.694	1699	1703	1712	rVV3	88763	149346	1.05%	0.359%
41	12.893	1730	1737	1741	rBV8	28854	61002	0.43%	0.147%
42	12.958	1743	1748	1752	rVV3	49718	76072	0.54%	0.183%
43	13.046	1760	1763	1769	rBV8	11791	21033	0.15%	0.051%
44	13.446	1827	1831	1836	rVB7	31385	52671	0.37%	0.127%
45	13.546	1843	1848	1853	rBV	286876	399566	2.82%	0.961%
46	13.592	1853	1856	1865	rVB	117146	172952	1.22%	0.416%
47	13.822	1890	1895	1900	rBV	256832	372844	2.63%	0.896%
48	13.951	1914	1917	1924	rVB4	56444	92531	0.65%	0.222%
49	14.086	1938	1940	1942	rBV2	18799	17989	0.13%	0.043%
50	14.139	1943	1949	1955	rVV2	375505	590364	4.16%	1.419%
51	14.204	1955	1960	1967	rVB4	49656	91121	0.64%	0.219%
52	14.409	1991	1995	2001	rVB2	60675	92116	0.65%	0.221%
53	14.920	2080	2082	2087	rVB6	35302	43305	0.31%	0.104%
54	15.138	2114	2119	2125	rBV2	279738	393986	2.78%	0.947%
55	15.191	2125	2128	2133	rVB2	42426	58920	0.42%	0.142%
56	16.413	2333	2336	2341	rBV4	113997	153548	1.08%	0.369%
57	16.671	2376	2380	2383	rVB4	106983	128751	0.91%	0.310%
58	16.777	2394	2398	2401	rBV2	157039	184672	1.30%	0.444%
59	16.900	2414	2419	2422	rBV	275964	390542	2.75%	0.939%
60	16.942	2422	2426	2430	rVB	178464	238370	1.68%	0.573%
61	16.994	2432	2435	2439	rVV2	154779	196268	1.38%	0.472%
62	17.077	2445	2449	2456	rVB5	107779	173609	1.22%	0.417%
63	17.506	2516	2522	2527	rVB2	285725	533933	3.77%	1.284%
64	17.976	2598	2602	2606	rVB2	525709	655126	4.62%	1.575%
65	18.034	2609	2612	2616	rVV2	183741	229817	1.62%	0.552%
66	18.075	2617	2619	2623	rVB4	104418	111359	0.79%	0.268%
67	18.264	2647	2651	2654	rBV2	281731	395447	2.79%	0.951%
68	18.833	2742	2748	2755	rVB2	640421	1409594	9.94%	3.388%
69	18.980	2769	2773	2778	rVB	566441	687291	4.85%	1.652%
70	19.039	2778	2783	2790	rBV	1361101	2036583	14.37%	4.896%
71	19.127	2793	2798	2803	rBV	956805	1314780	9.27%	3.161%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

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-BG080515.M
Title : SVOA CALIBRATION

72	19.192	2806	2809	2813	rVV	340441	384925	2.72%	0.925%
73	19.315	2827	2830	2833	rBV2	362554	556665	3.93%	1.338%
74	19.350	2833	2836	2839	rVB	415464	497000	3.51%	1.195%
75	19.468	2853	2856	2859	rVB2	354537	403261	2.84%	0.969%
76	19.574	2871	2874	2881	rVB	985725	1185083	8.36%	2.849%
77	19.838	2915	2919	2925	rVB3	731254	949410	6.70%	2.282%
78	19.897	2925	2929	2934	rBV	876010	1040040	7.34%	2.500%
79	20.120	2964	2967	2972	rBV2	801863	1055886	7.45%	2.538%
80	20.437	3019	3021	3030	rVB3	793780	1018201	7.18%	2.448%
81	21.048	3120	3125	3131	rBV	11457383	14175951	100.00%	34.077%
82	21.953	3276	3279	3286	rVB	2499923	3451714	24.35%	8.297%
83	22.882	3434	3437	3444	rVB	1621974	2297747	16.21%	5.523%

Sum of corrected areas: 41599617

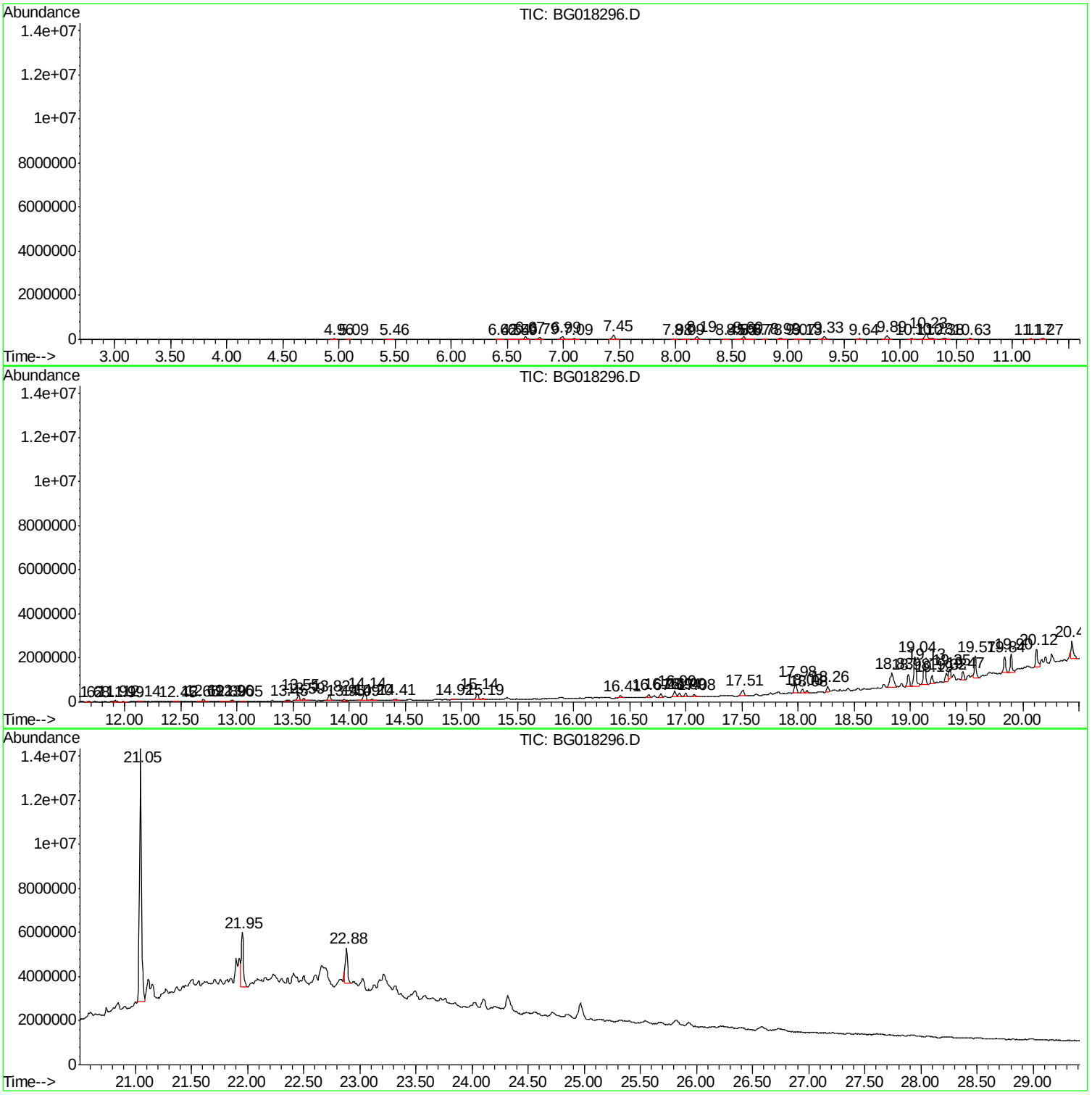
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

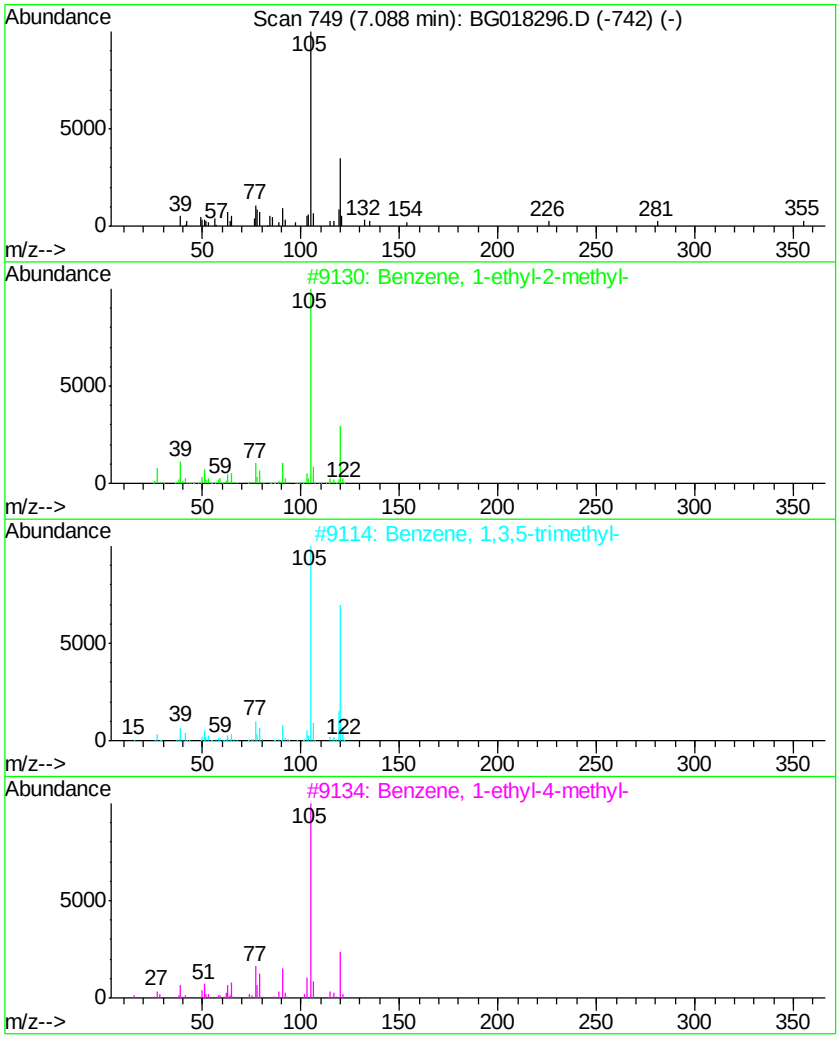
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

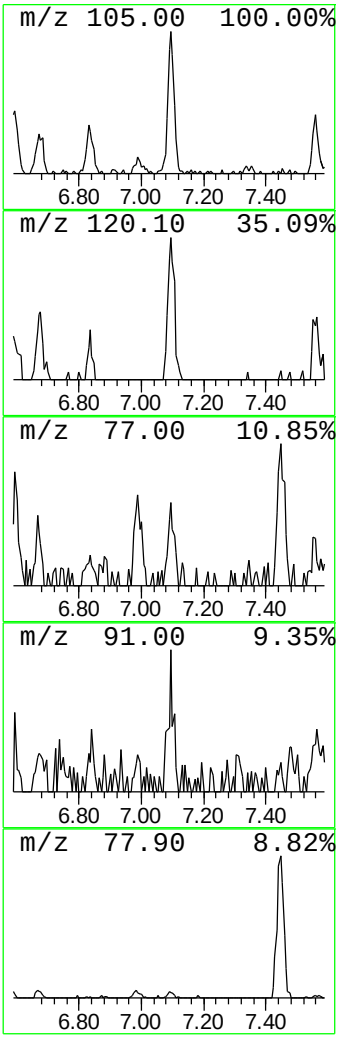
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	2.83 ng/ul	43075	1,4-Dichlorobenzene-d4	7.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	68
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	68
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	68
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

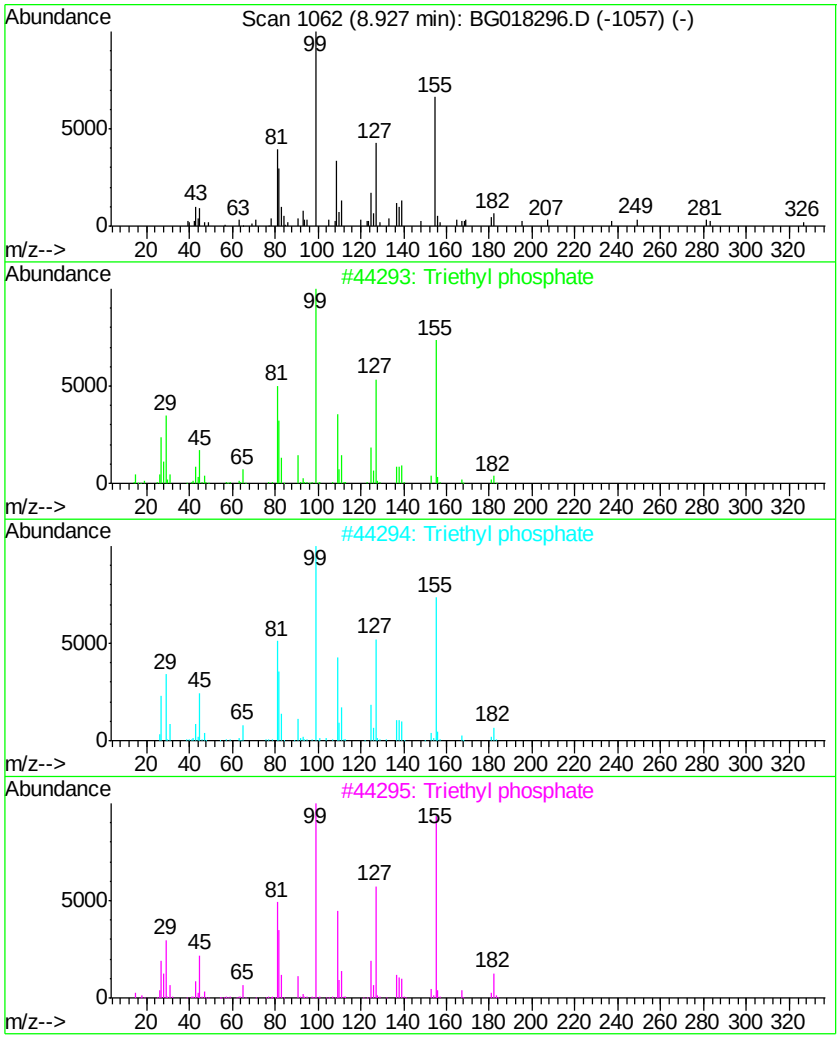
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

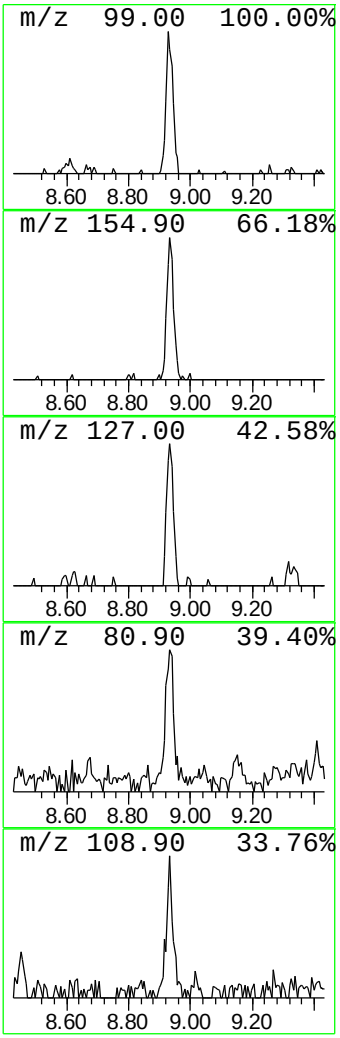
****

Peak Number 2 Triethyl phosphate Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	2.47 ng/ul	62678	Naphthalene-d8	10.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethyl phosphate	182	C6H15O4P	000078-40-0	95
2	Triethyl phosphate	182	C6H15O4P	000078-40-0	95
3	Triethyl phosphate	182	C6H15O4P	000078-40-0	93
4	Phosphoric acid, diethyl 1-methy...	208	C8H17O4P	050522-98-0	42
5	Phosphonic acid, (3-methylene-2-...	234	C10H19O4P	054543-03-2	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

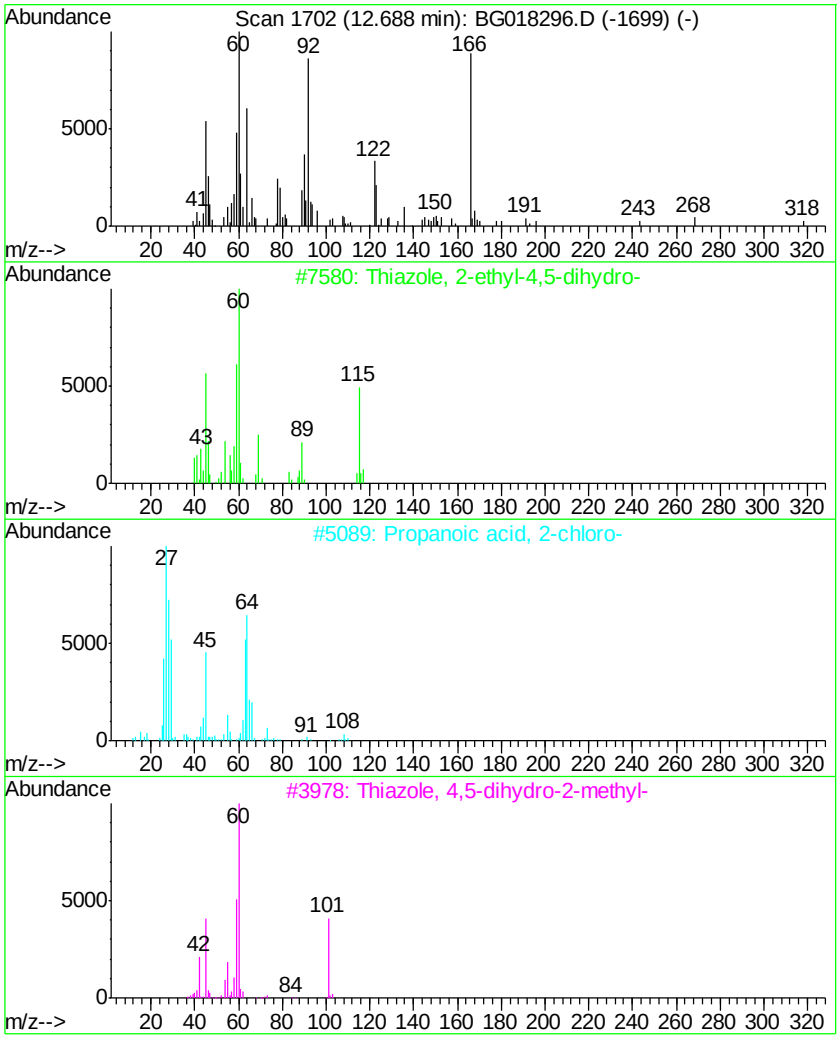
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

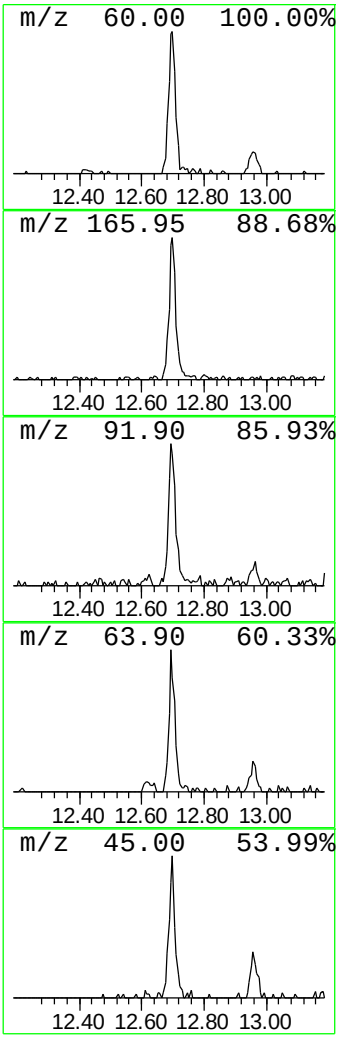
****

Peak Number 3 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	5.06 ng/ul	149346	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazole, 2-ethyl-4,5-dihydro-	115	C5H9NS	016982-46-0	22
2	Propanoic acid, 2-chloro-	108	C3H5ClO2	000598-78-7	16
3	Thiazole, 4,5-dihydro-2-methyl-	101	C4H7NS	002346-00-1	14
4	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	14
5	2-Sulfamyl-4,4'-diformamidodiphe...	383	C14H13N3O6S2	1000256-33-9	10





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

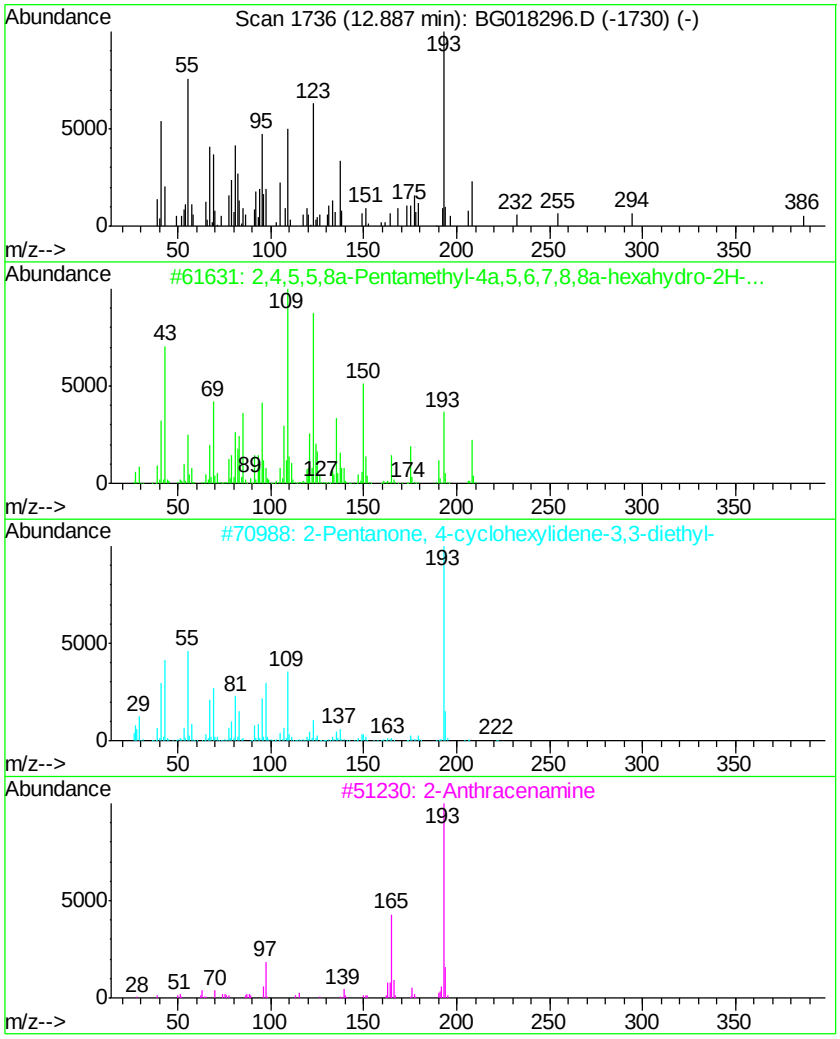
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

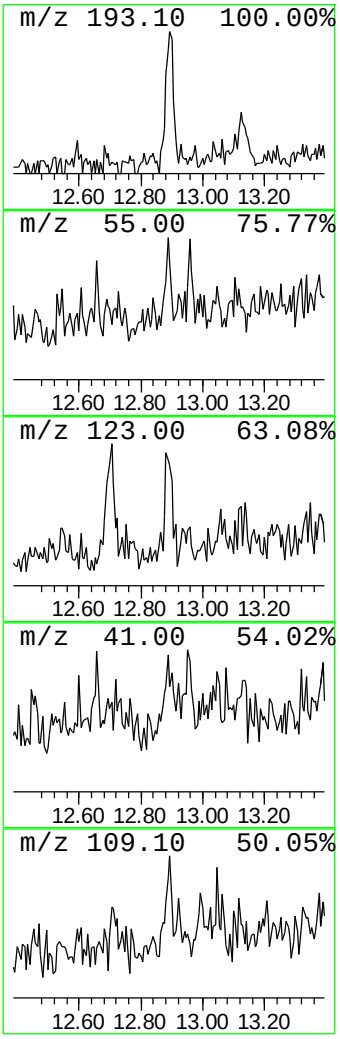
****

Peak Number 4 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	2.07 ng/ul	61002	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,5,5,8a-Pentamethyl-4a,5,6,7,...	208	C14H24O	1000195-30-1	45
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	32
3	2-Anthracenamine	193	C14H11N	000613-13-8	22
4	Ethanone, 1-(3-fluorophenyl)-	138	C8H7FO	000455-36-7	18
5	Ethanone, 1-(4-fluorophenyl)-	138	C8H7FO	000403-42-9	18





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

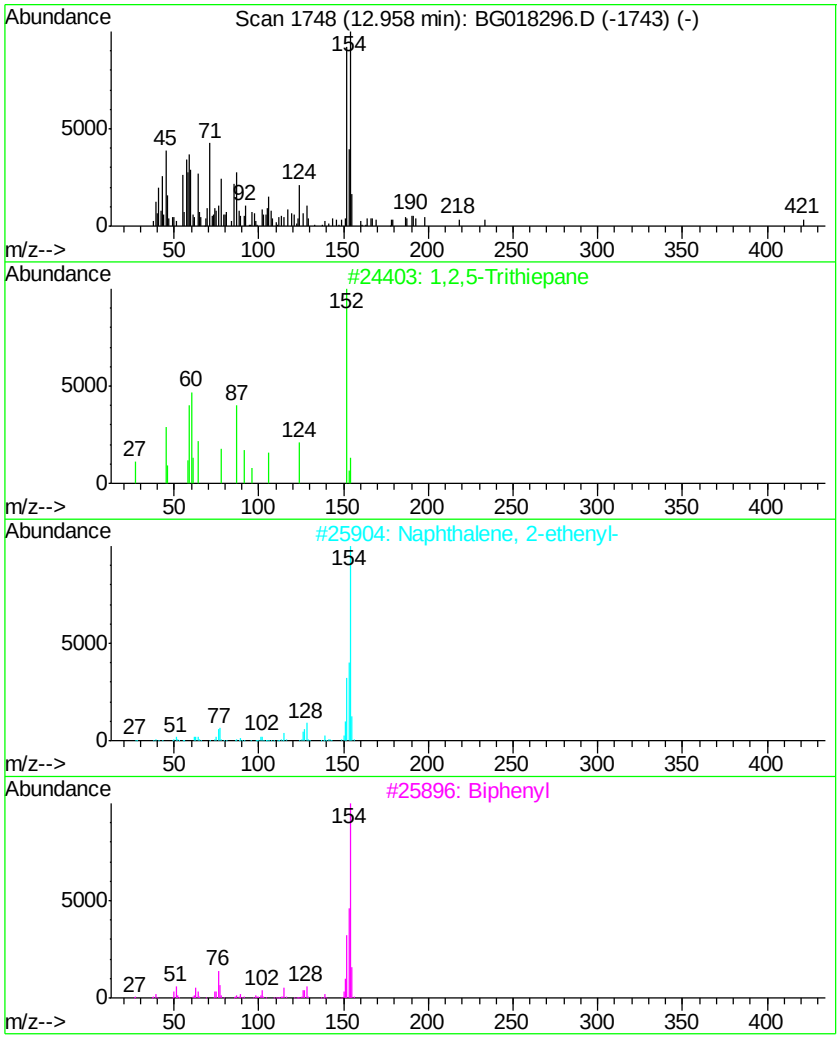
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

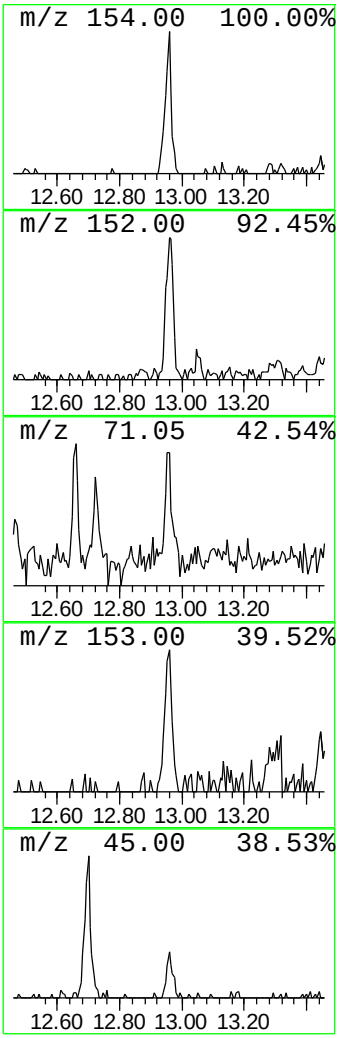
****

Peak Number 5 unknown-03 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.58 ng/ul	76072	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,5-Trithiepane	152	C4H8S3	006576-93-8	30
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	25
3	Biphenyl	154	C12H10	000092-52-4	25
4	Biphenyl	154	C12H10	000092-52-4	22
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	22





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

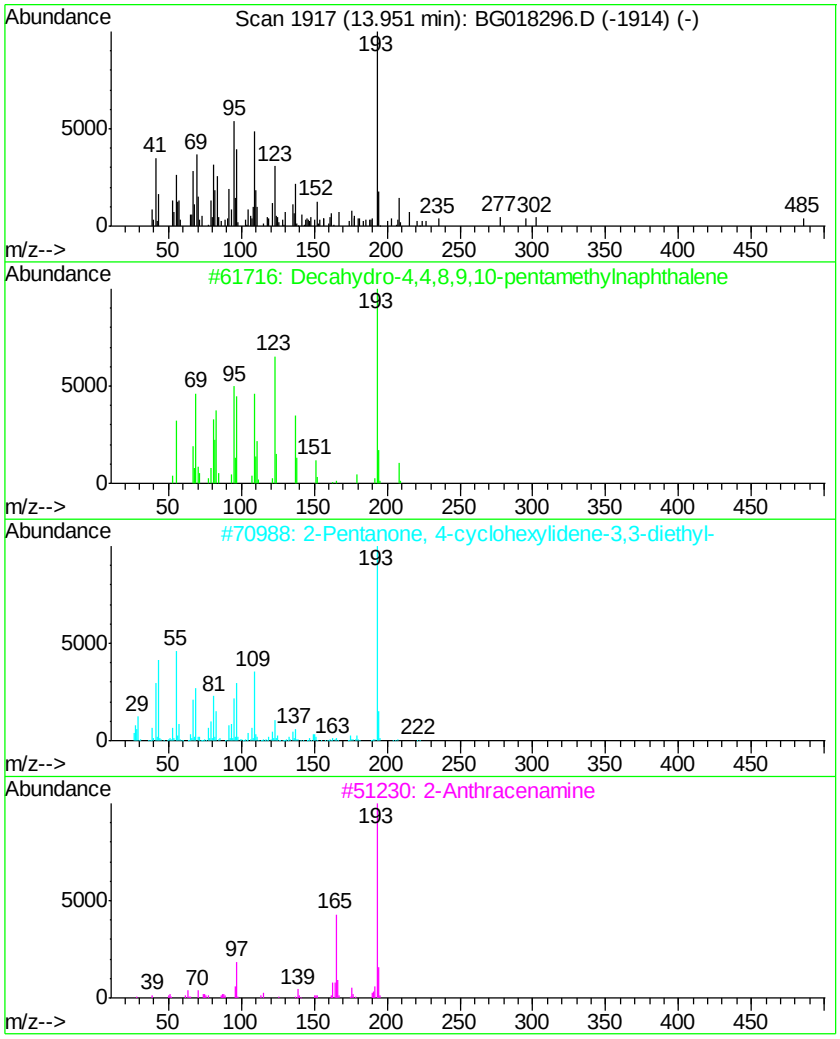
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

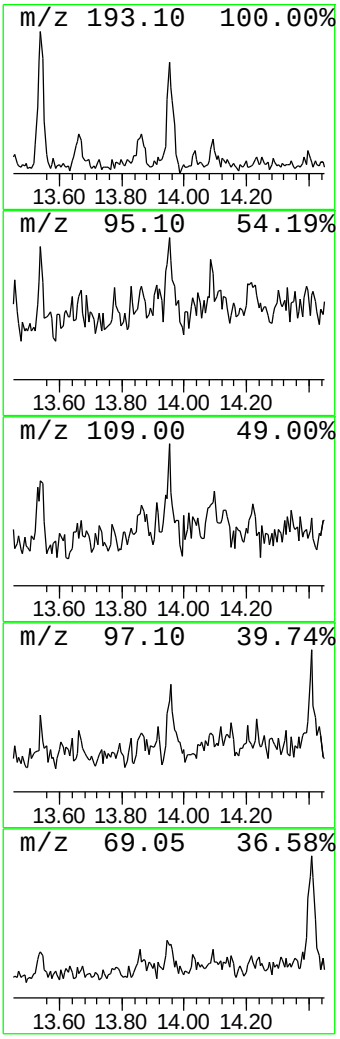
****

Peak Number 6 Decahydro-4,4,8,9,10-pentam... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.13 ng/ul	92531	Acenaphthene-d10	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	50
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	38
3	2-Anthracenamine	193	C14H11N	000613-13-8	35
4	6-Methylphenanthridine	193	C14H11N	003955-65-5	22
5	2-Anthracenamine	193	C14H11N	000613-13-8	22





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

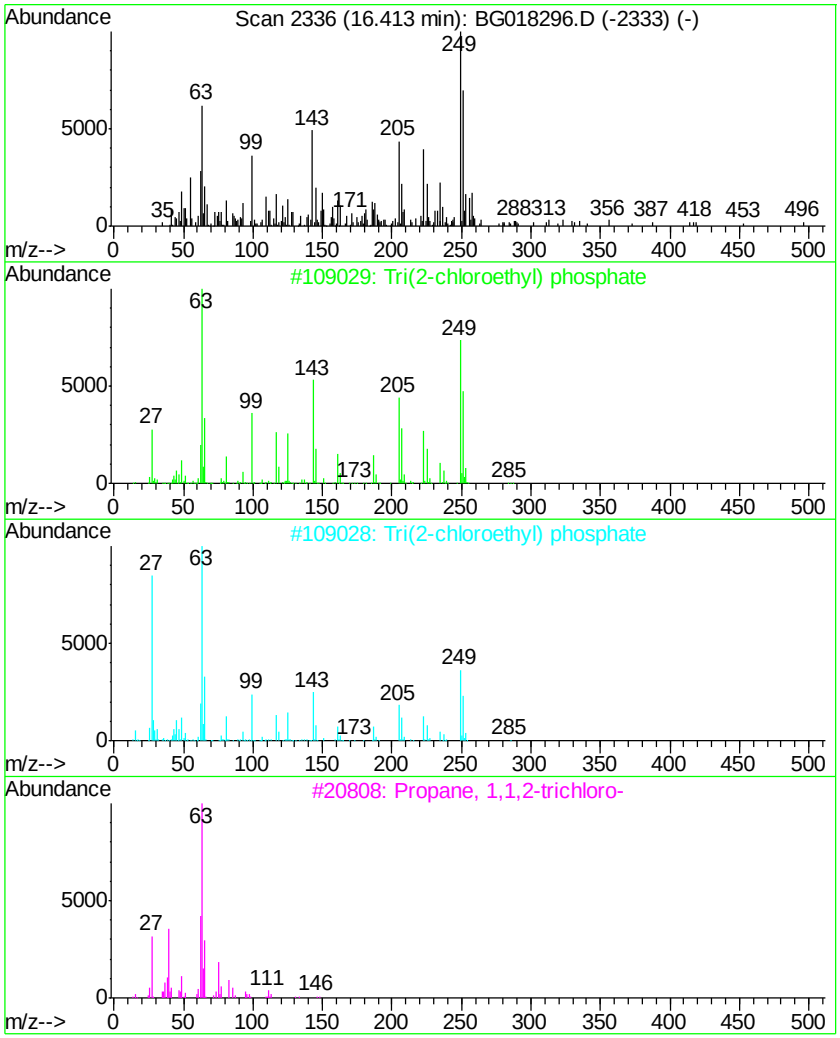
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

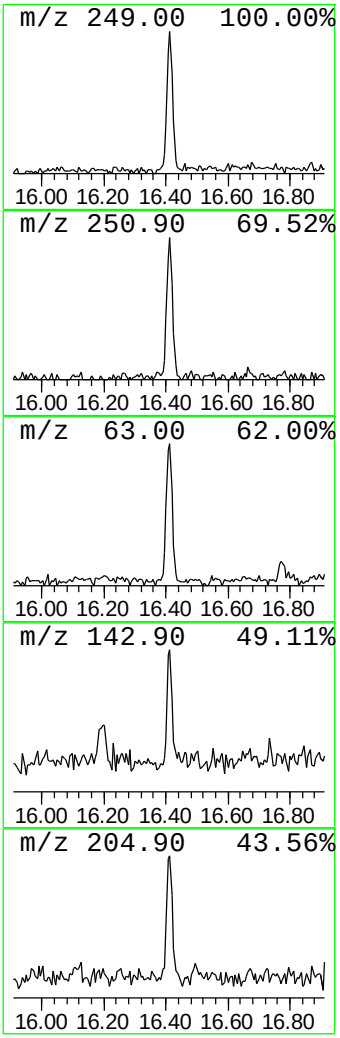
****

Peak Number 7 unknown-04 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	7.86 ng/ul	153548	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	43
2	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	38
3	Propane, 1,1,2-trichloro-	146	C3H5Cl3	000598-77-6	25
4	Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	22
5	Propanoic acid, 2-chloro-, methy...	122	C4H7ClO2	017639-93-9	14





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

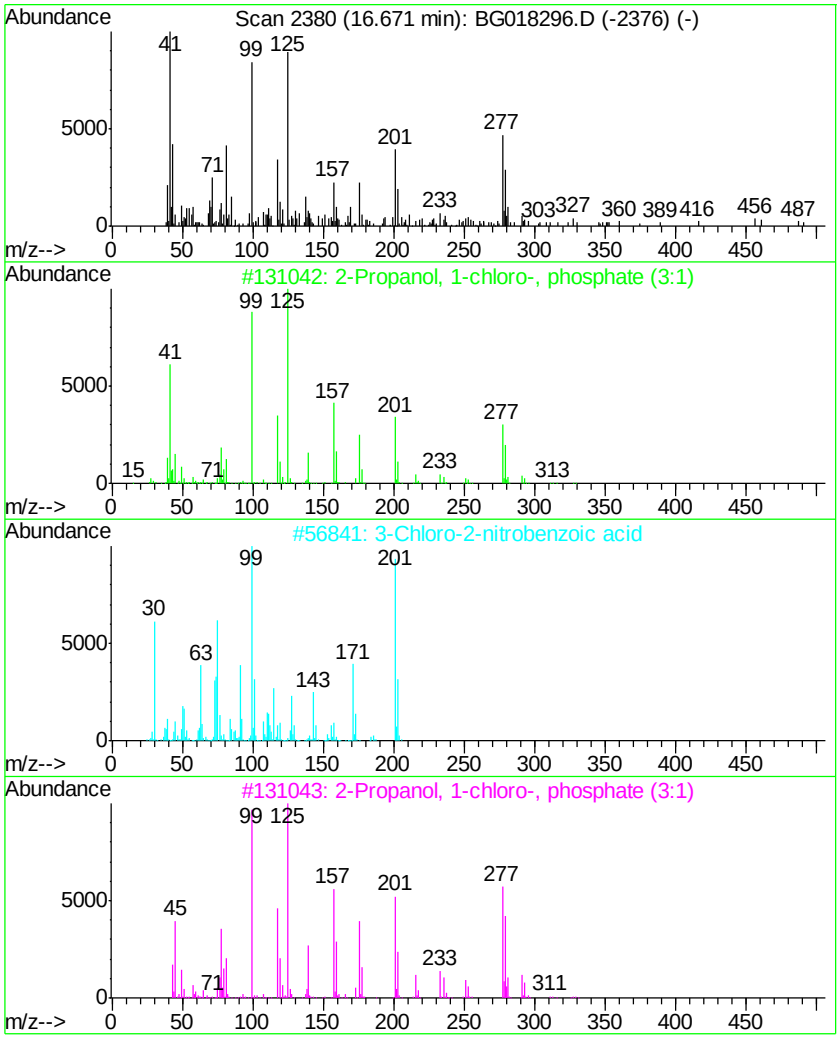
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

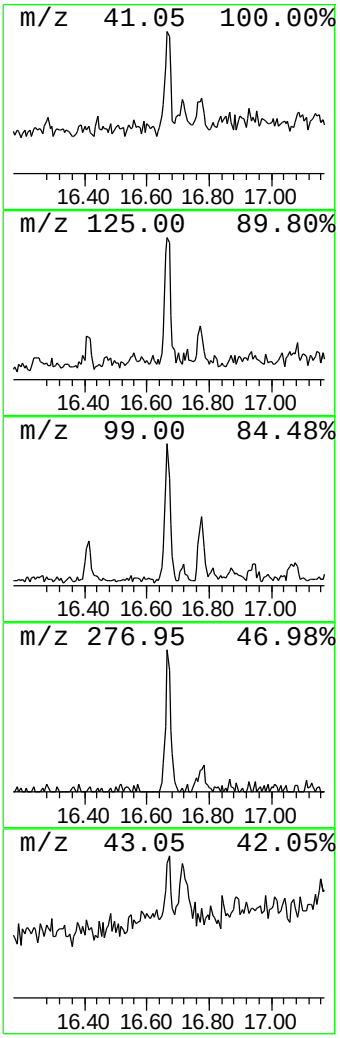
****

Peak Number 8 unknown-05 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	6.59 ng/ul	128751	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	38
2	3-Chloro-2-nitrobenzoic acid	201	C7H4ClNO4	004771-47-5	25
3	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	14
4	2-Chlorohydrocinnamonitrile	165	C9H8ClN	007315-17-5	11
5	cis-3-Methyl-4-octanolide	156	C9H16O2	039638-67-0	10





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

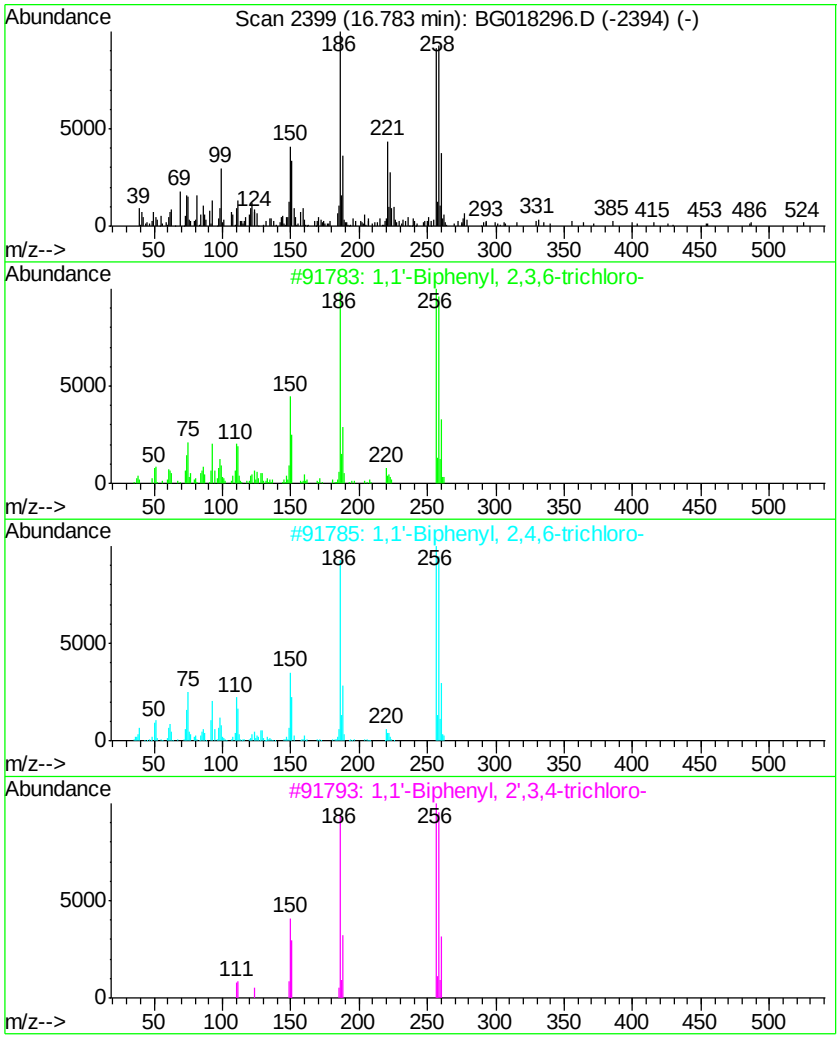
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

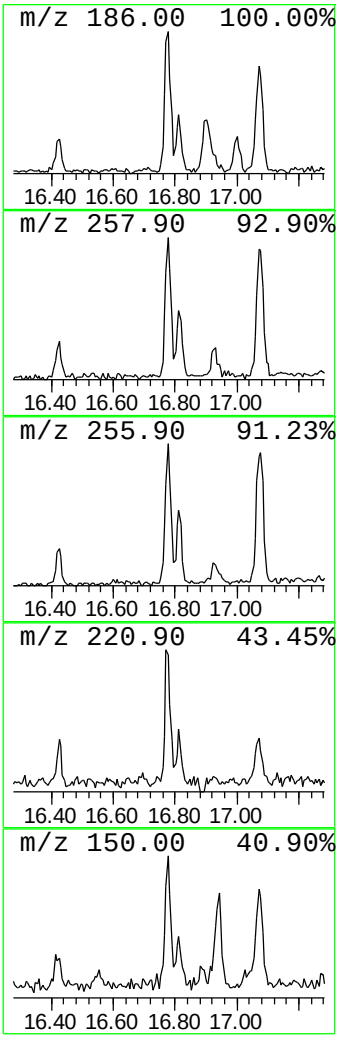
****

Peak Number 9 1,1'-Biphenyl, 2,3,6-trichl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	9.46 ng/ul	184672	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	94
2	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	94
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	93
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	93
5	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

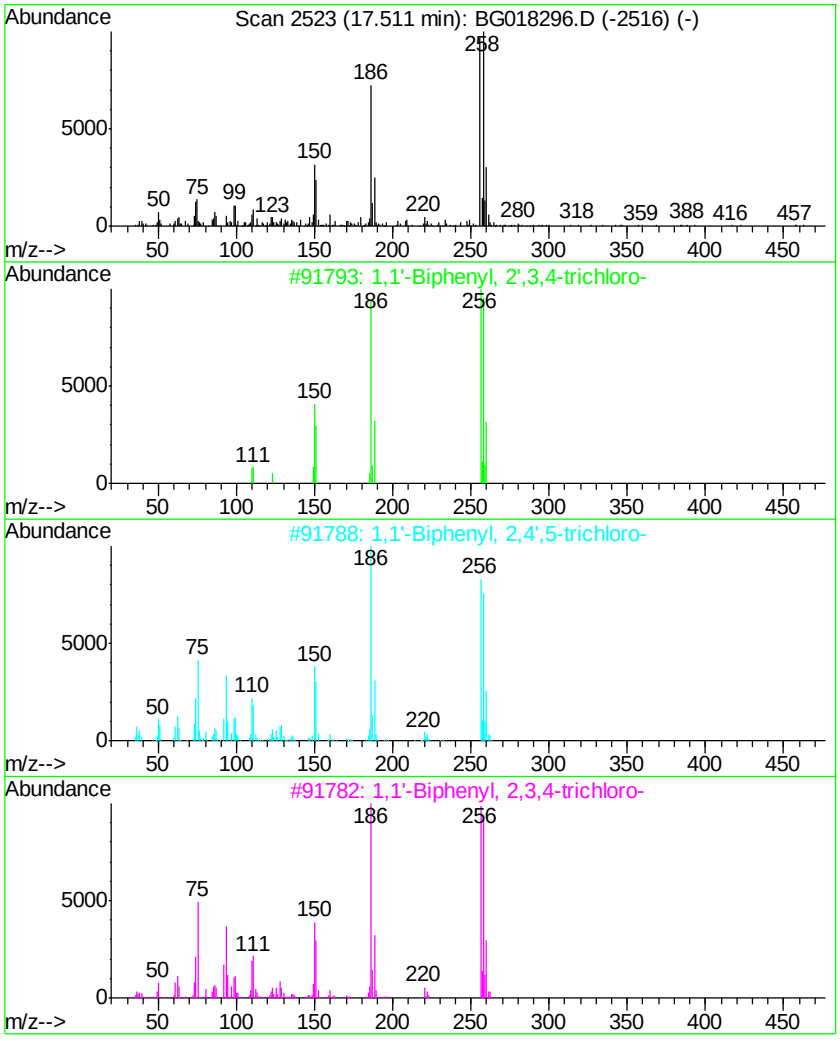
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

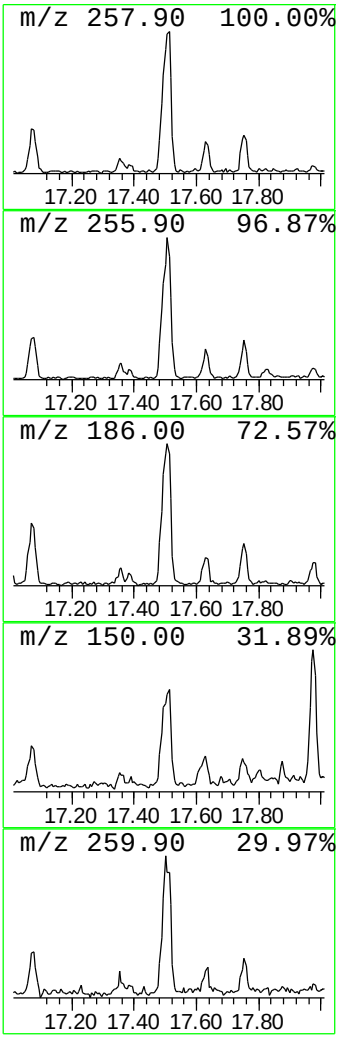
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.51	27.34 ng/ul	533933	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	98
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96
3	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	95
4	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	94
5	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

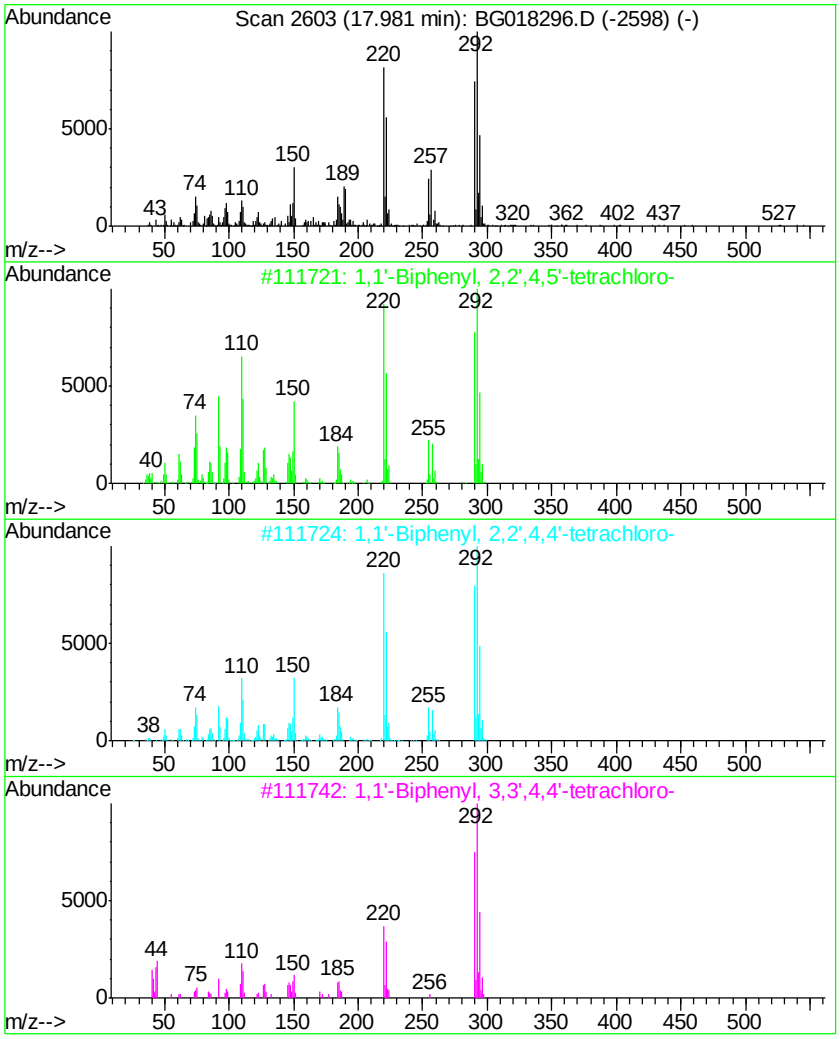
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

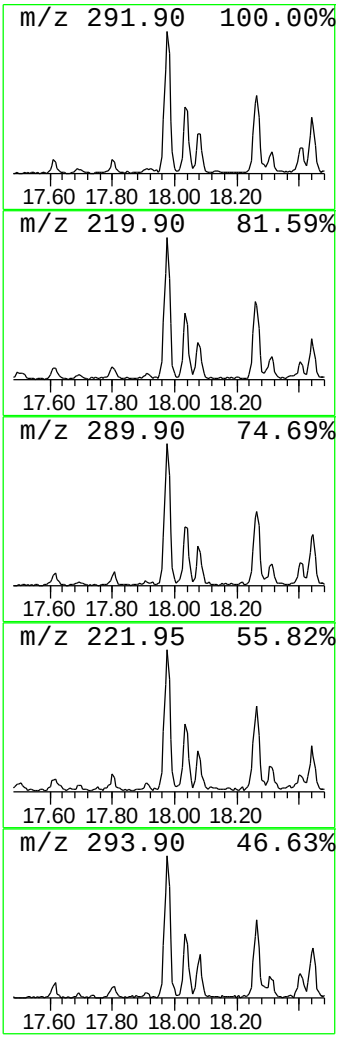
****

Peak Number 11 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	33.55 ng/ul	655126	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	95
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

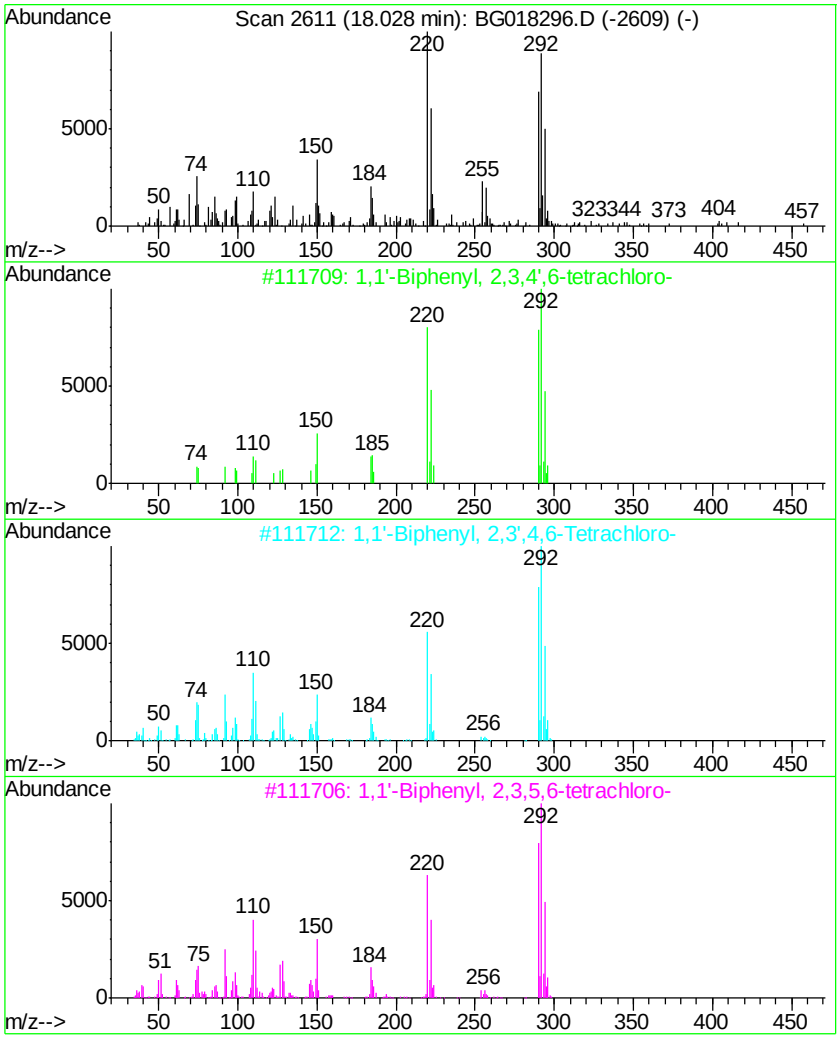
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

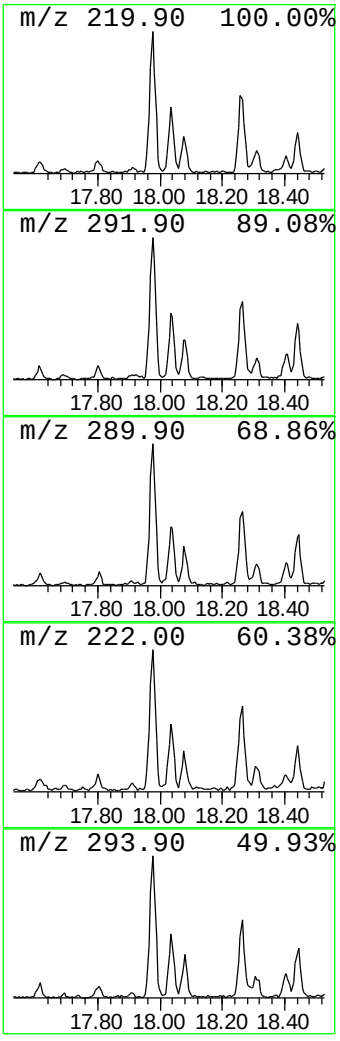
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	11.77 ng/ul	229817	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	95
2	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	95
3	1,1'-Biphenyl, 2,3,5,6-tetrachloro-	290	C12H6Cl4	033284-54-7	95
4	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	94
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

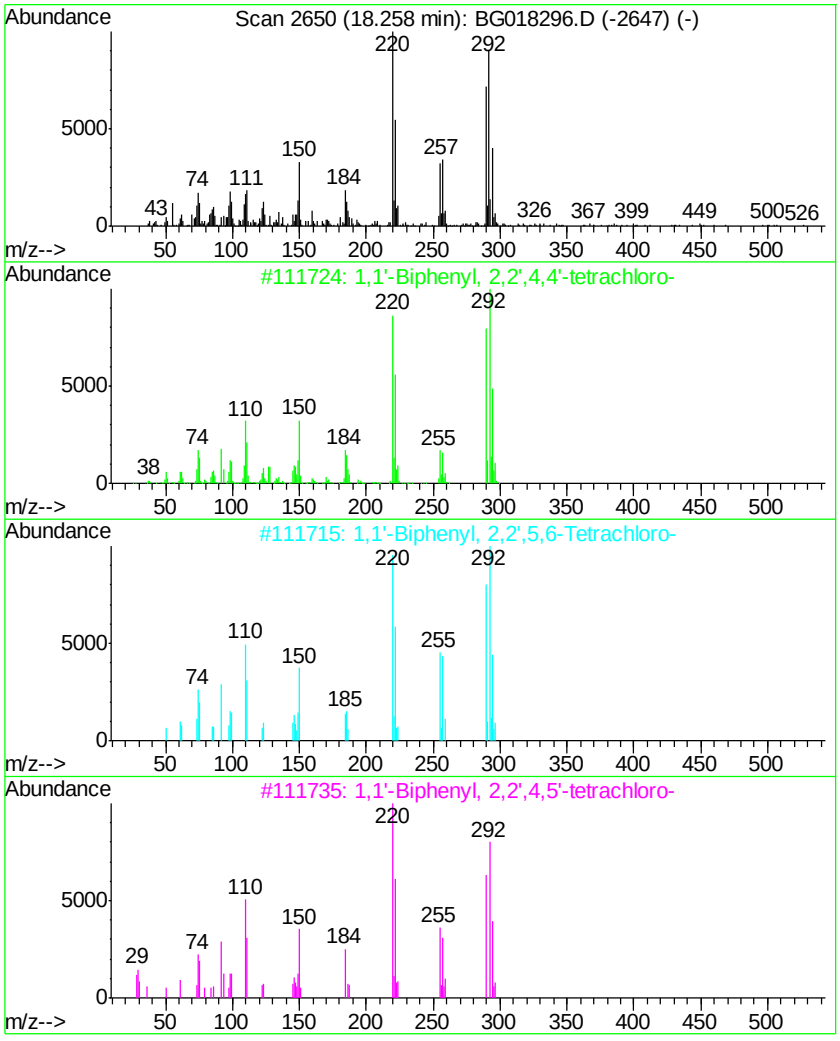
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

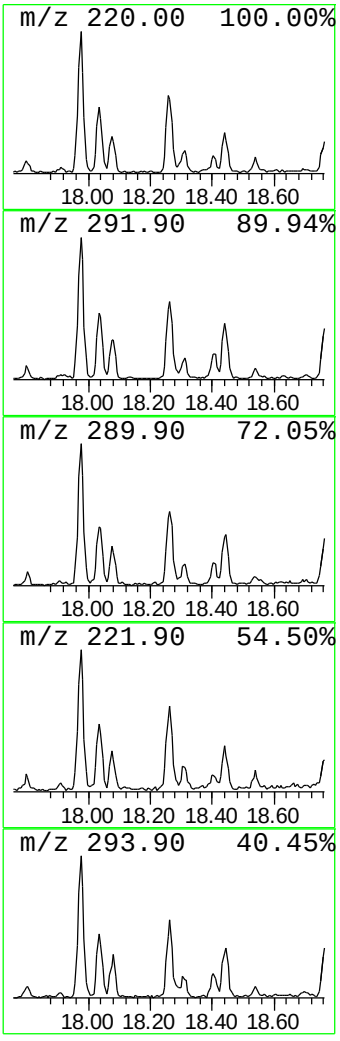
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	20.25 ng/ul	395447	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	98
2	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	97
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	96
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	96
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

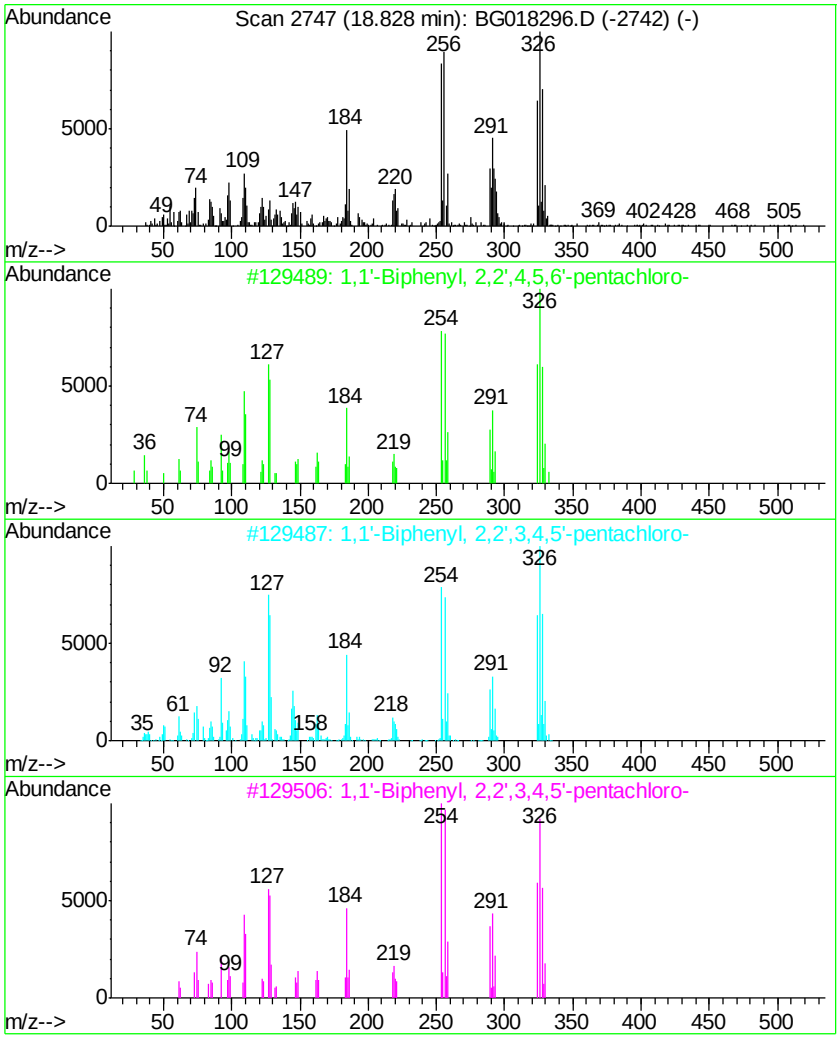
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

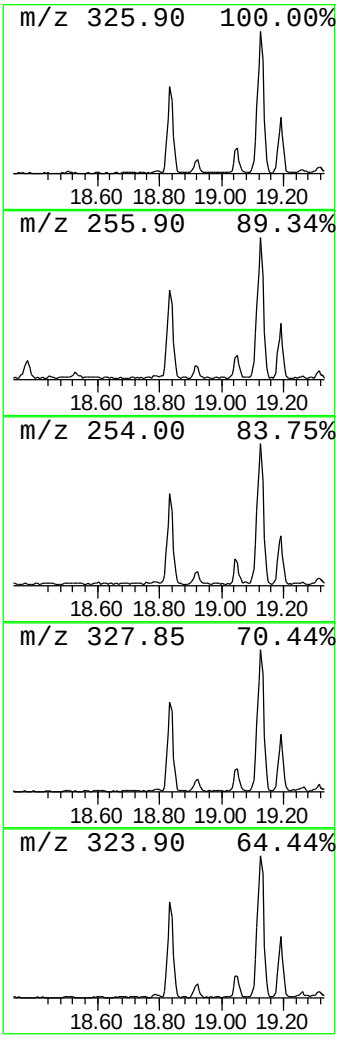
****

Peak Number 15 1,1'-Biphenyl, 2,2',4,5,6'-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	72.19 ng/ul	1409590	Phenanthrene-d10	16.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	97
2	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	96
3	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	96
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	96
5	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

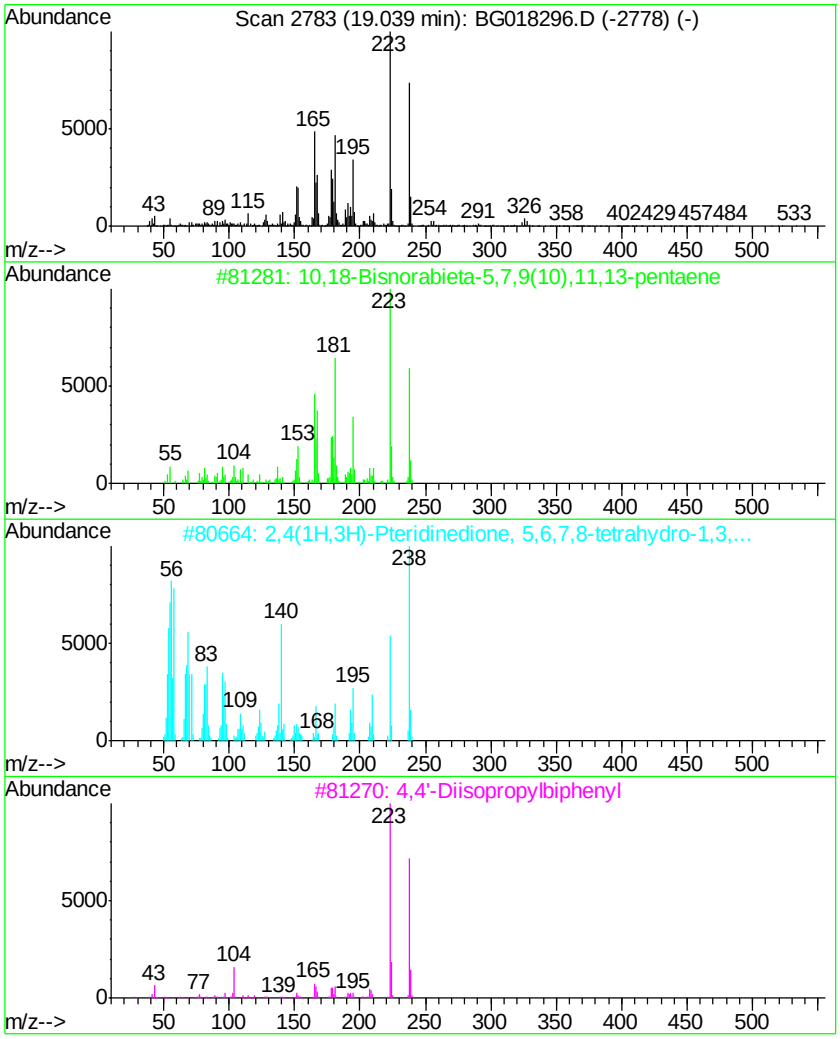
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

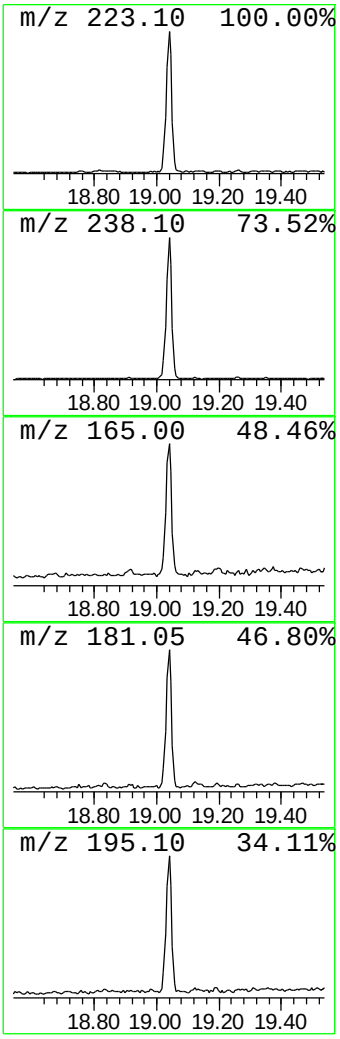
****

Peak Number 16 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	2.87 ng/ul	2036580	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	98
2	2,4(1H,3H)-Pteridinedione, 5,6,7...	238	C11H18N4O2	037921-31-6	59
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	55
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	55
5	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

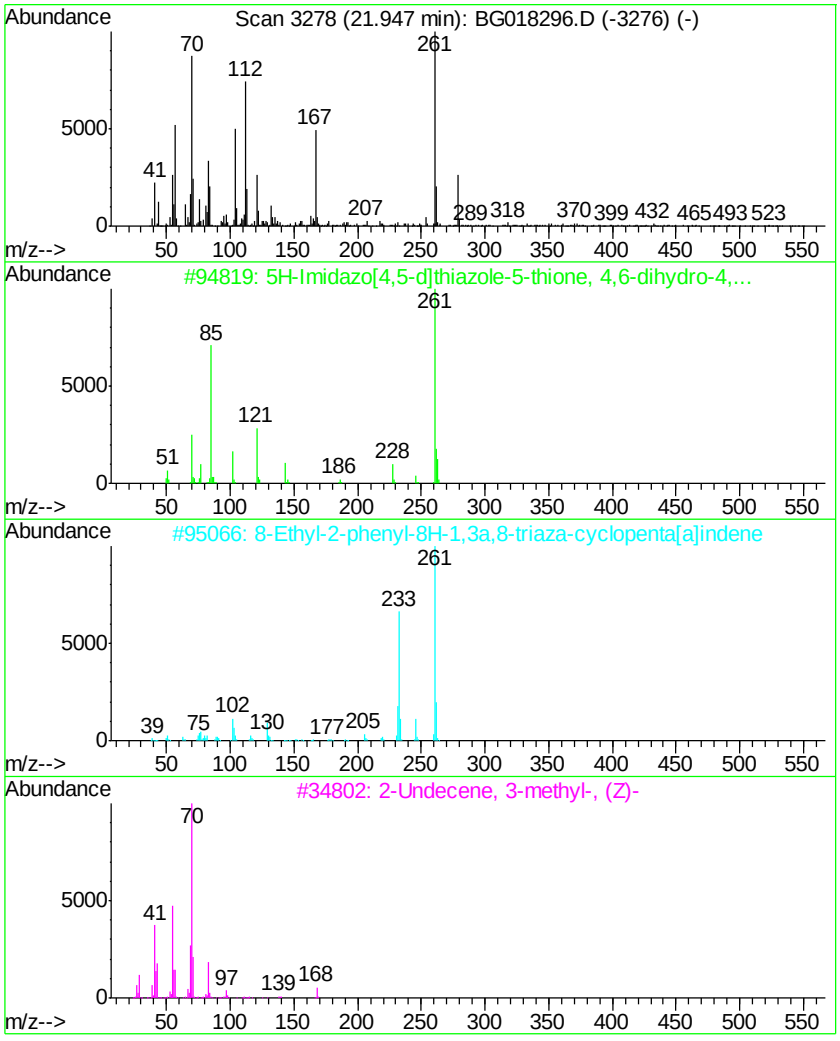
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

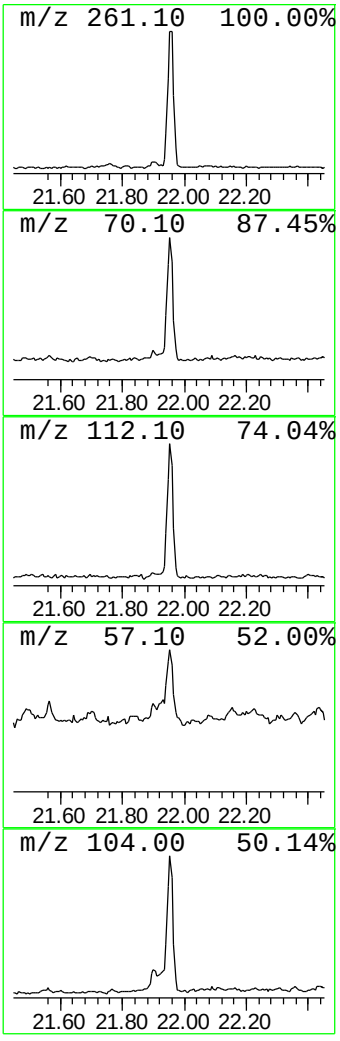
****

Peak Number 17 unknown-06 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.95	4.87 ng/ul	3451710	Chrysene-d12	21.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Imidazo[4,5-d]thiazole-5-thio...	261	C12H11N3S2	023888-58-6	22
2	8-Ethyl-2-phenyl-8H-1,3a,8-triaz...	261	C17H15N3	1000294-40-6	14
3	2-Undecene, 3-methyl-, (Z)-	168	C12H24	057024-90-5	10
4	4-(n-Decyloxy)benzoic acid,4-(n-...	454	C29H42O4	068162-09-4	10
5	Phenol, 4-amino-2,6-diphenyl-	261	C18H15NO	050432-01-4	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

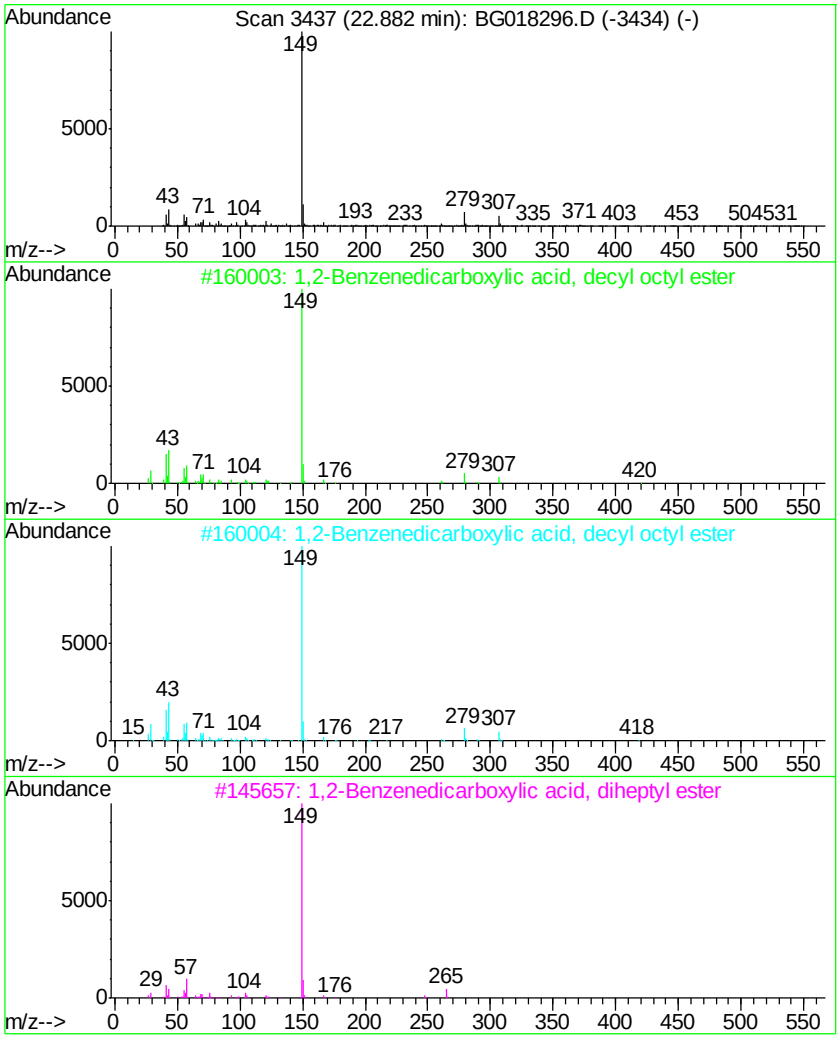
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

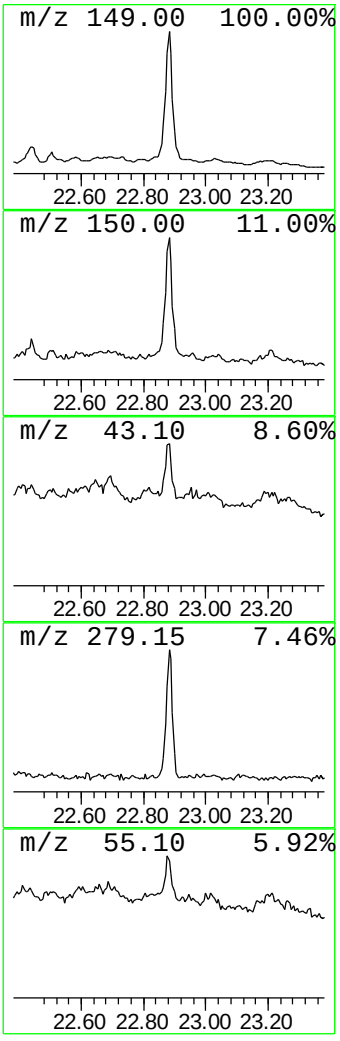
****

Peak Number 18 1,2-Benzenedicarboxylic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.88	20.00 ng/ul	2297750	Perylene-d12	23.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, de...	418	C26H42O4	000119-07-3	78
2	1,2-Benzenedicarboxylic acid, de...	418	C26H42O4	000119-07-3	78
3	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	64
4	Dibutyl phthalate	278	C16H22O4	000084-74-2	59
5	1,2-Benzenedicarboxylic acid, bu...	362	C22H34O4	000089-19-0	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080515\
Data File : BG018296.D
Acq On : 6 Aug 2015 6:10
Operator : UM/TP
Sample : G3109-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	7.09	2.8	ng/ul	43075	1	7.45	304761	20.0
Triethyl phosphate	8.93	2.5	ng/ul	62678	2	10.23	508207	20.0
unknown-01	12.69	5.1	ng/ul	149346	3	14.14	590364	20.0
unknown-02	12.89	2.1	ng/ul	61002	3	14.14	590364	20.0
unknown-03	12.96	2.6	ng/ul	76072	3	14.14	590364	20.0
Decahydro-4,4,8,9...	13.95	3.1	ng/ul	92531	3	14.14	590364	20.0
unknown-04	16.41	7.9	ng/ul	153548	4	16.90	390542	20.0
unknown-05	16.67	6.6	ng/ul	128751	4	16.90	390542	20.0
1,1'-Biphenyl, 2,...	16.78	9.5	ng/ul	184672	4	16.90	390542	20.0
1,1'-Biphenyl, 2'...	17.51	27.3	ng/ul	533933	4	16.90	390542	20.0
1,1'-Biphenyl, 2,...	17.98	33.5	ng/ul	655126	4	16.90	390542	20.0
1,1'-Biphenyl, 2,...	18.03	11.8	ng/ul	229817	4	16.90	390542	20.0
1,1'-Biphenyl, 2,...	18.26	20.3	ng/ul	395447	4	16.90	390542	20.0
1,1'-Biphenyl, 2,...	18.83	72.2	ng/ul	1409590	4	16.90	390542	20.0
10,18-Bisnorabiet...	19.04	2.9	ng/ul	2036580	5	21.12	14176000	20.0
unknown-06	21.95	4.9	ng/ul	3451710	5	21.12	14176000	20.0
1,2-Benzenedicarb...	22.88	20.0	ng/ul	2297750	6	23.32	2297750	20.0