LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

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_M\METHODS\SOM02.2-EPA-BM072715.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	4.887	369	374	382	rBB	139151	203911	21.30%	1.280%
2	6.757	686	692	701	rVB	71882	109885	11.48%	0.690%
3	6.910	713	718	725	rVB	57667	83478	8.72%	0.524%
4	7.104	746	751	758	rBB	78898	119116	12.44%	0.748%
5	7.457	807	811	815	rBB2	5724	7563	0.79%	0.047%
6	7.569	825	830	841	rVB	179755	295199	30.83%	1.853%
7	8.292	948	953	961	rBB	60277	92224	9.63%	0.579%
8	8.734	1022	1028	1035	rBV	70267	106523	11.13%	0.669%
9	9.451	1145	1150	1157	rBB2	52157	83674	8.74%	0.525%
10	9.992	1236	1242	1251	rBB	87016	138939	14.51%	0.872%
11	10.363	1296	1305	1311	rBV	230342	390468	40.79%	2.451%
12	10.410	1311	1313	1318	rVB	5913	7220	0.75%	0.045%
13	10.510	1324	1330	1338	rVB	72092	117261	12.25%	0.736%
14	11.375	1473	1477	1484	rBV	9040	12643	1.32%	0.079%
15	12.033	1586	1589	1594	rVB	4737	7253	0.76%	0.046%
16	12.257	1619	1627	1631	rBB3	4135	8153	0.85%	0.051%
17	12.427	1650	1656	1659	rBV2	3444	5399	0.56%	0.034%
18	12.492	1665	1667	1670	rVV	3954	4747	0.50%	0.030%
19	12.575	1677	1681	1686	rVV4	5326	10337	1.08%	0.065%
20	12.616	1686	1688	1691	rVV	3008	4515	0.47%	0.028%
21	12.651	1691	1694	1698	rVV3	3119	4610	0.48%	0.029%
22	12.710	1698	1704	1706	rVV2	3172	5037	0.53%	0.032%
23	12.757	1706	1712	1718	rVV2	16188	26005	2.72%	0.163%
24	12.827	1718	1724	1732	rVB4	8124	17940	1.87%	0.113%
25	12.998	1749	1753	1755	rBV2	4170	5400	0.56%	0.034%
26	13.151	1773	1779	1781	rBV5	3822	5996	0.63%	0.038%
27	13.210	1785	1789	1795	rVB5	4344	9353	0.98%	0.059%
28	13.504	1833	1839	1842	rBV5	3330	6908	0.72%	0.043%
29	13.551	1843	1847	1852	rVV3	11175	18960	1.98%	0.119%
30	13.651	1854	1864	1868	rBV	192537	279005	29.14%	1.751%
31	13.698	1868	1872	1880	rVB	206486	310606	32.44%	1.950%
32	13.763	1880	1883	1886	rBV4	7202	9773	1.02%	0.061%
33	13.833	1892	1895	1899	rVB4	5537	7594	0.79%	0.048%
34	13.880	1899	1903	1906	rBV4	3802	6198	0.65%	0.039%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

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_M\METHODS\SOM02.2-EPA-BM072715.M
Title : SVOA CALIBRATION

35	13.933	1906	1912	1922	rBV	184213	286564	29.93%	1.799%
36	14.057	1929	1933	1941	rVB4	25749	43319	4.52%	0.272%
37	14.139	1941	1947	1951	rBV3	9941	20304	2.12%	0.127%
38	14.198	1952	1957	1959	rBV3	12036	19027	1.99%	0.119%
39	14.239	1959	1964	1971	rVB2	344536	529650	55.32%	3.324%
40	14.304	1971	1975	1978	rBV4	8360	14312	1.49%	0.090%
41	14.474	1997	2004	2010	rBV7	27060	49987	5.22%	0.314%
42	14.527	2010	2013	2017	rBV3	5971	10028	1.05%	0.063%
43	14.639	2027	2032	2037	rVV3	18857	28650	2.99%	0.180%
44	14.716	2042	2045	2049	rVB2	13915	15715	1.64%	0.099%
45	14.763	2049	2053	2059	rBV6	21391	30748	3.21%	0.193%
46	14.863	2066	2070	2074	rBV3	17694	31748	3.32%	0.199%
47	14.916	2077	2079	2081	rVV2	6863	5250	0.55%	0.033%
48	14.957	2082	2086	2092	rVB6	10388	18170	1.90%	0.114%
49	15.021	2092	2097	2101	rBV6	39516	66054	6.90%	0.415%
50	15.068	2101	2105	2109	rVB2	24700	29651	3.10%	0.186%
51	15.192	2122	2126	2128	rBV4	8409	14222	1.49%	0.089%
52	15.239	2129	2134	2139	rVV	250534	343165	35.84%	2.154%
53	15.286	2139	2142	2147	rVV5	16744	27244	2.85%	0.171%
54	15.392	2155	2160	2168	rVB7	13264	27811	2.90%	0.175%
55	15.457	2168	2171	2172	rBV2	7562	8293	0.87%	0.052%
56	15.498	2174	2178	2184	rVB2	87772	126174	13.18%	0.792%
57	15.663	2202	2206	2210	rBV7	8417	13751	1.44%	0.086%
58	15.710	2211	2214	2216	rBV2	14006	14924	1.56%	0.094%
59	15.804	2226	2230	2239	rVB8	13211	33491	3.50%	0.210%
60	15.892	2241	2245	2247	rBV4	10974	16904	1.77%	0.106%
61	15.974	2252	2259	2264	rBV2	100785	186177	19.45%	1.169%
62	16.080	2272	2277	2278	rBV3	13807	23666	2.47%	0.149%
63	16.286	2310	2312	2313	rBV2	10108	8369	0.87%	0.053%
64	16.521	2348	2352	2357	rBV2	74179	130023	13.58%	0.816%
65	16.798	2396	2399	2403	rVB2	51012	67368	7.04%	0.423%
66	16.904	2414	2417	2422	rVB	91241	119187	12.45%	0.748%
67	16.992	2427	2432	2437	rBV	484537	709293	74.09%	4.452%
68	17.033	2437	2439	2444	rVV	55522	66985	7.00%	0.420%
69	17.092	2444	2449	2453	rVV2	263156	390415	40.78%	2.451%
70	17.127	2453	2455	2459	rVB	78464	79559	8.31%	0.499%
71	17.174	2459	2463	2470	rBV8	39942	86540	9.04%	0.543%

LSC Area Percent Report

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Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

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_M\METHODS\SOM02.2-EPA-BM072715.M
Title : SVOA CALIBRATION

72	17.374	2494	2497	2499	rBV2	28734	36534	3.82%	0.229%
73	17.704	2549	2553	2560	rBV2	123057	182743	19.09%	1.147%
74	17.786	2563	2567	2574	rVB	228412	315909	33.00%	1.983%
75	18.062	2611	2614	2619	rVB2	85991	98102	10.25%	0.616%
76	18.121	2621	2624	2628	rVV2	166835	229182	23.94%	1.438%
77	18.168	2628	2632	2639	rVB	332975	437583	45.71%	2.747%
78	18.274	2647	2650	2658	rVB6	88222	149619	15.63%	0.939%
79	18.615	2704	2708	2712	rVB	219317	290910	30.39%	1.826%
80	18.680	2717	2719	2724	rVB3	94455	107595	11.24%	0.675%
81	19.062	2781	2784	2789	rVB	106426	121475	12.69%	0.762%
82	19.115	2789	2793	2799	rBV2	381404	589488	61.57%	3.700%
83	19.204	2804	2808	2812	rVB	255402	363876	38.01%	2.284%
84	19.268	2816	2819	2824	rVV	181188	222633	23.25%	1.397%
85	19.398	2837	2841	2845	rBV2	373025	547628	57.20%	3.437%
86	19.633	2878	2881	2884	rBV	117786	157058	16.41%	0.986%
87	19.780	2902	2906	2909	rVB	176721	214229	22.38%	1.345%
88	19.915	2925	2929	2936	rBV2	443948	613947	64.13%	3.854%
89	20.121	2961	2964	2971	rVB2	235522	276861	28.92%	1.738%
90	20.198	2973	2977	2981	rBV	539539	620384	64.80%	3.894%
91	20.250	2984	2986	2991	rVB3	101400	105061	10.97%	0.659%
92	20.498	3025	3028	3030	rBV	201326	255485	26.69%	1.604%
93	20.662	3053	3056	3063	rVB	330861	378944	39.58%	2.379%
94	20.992	3109	3112	3116	rVB3	155382	208200	21.75%	1.307%
95	21.198	3143	3147	3150	rBV	628776	957359	100.00%	6.009%
96	21.533	3201	3204	3210	rVB4	121960	153955	16.08%	0.966%
97	21.768	3242	3244	3248	rVB	133387	131794	13.77%	0.827%
98	23.262	3493	3498	3503	rBV	409524	692291	72.31%	4.345%
99	23.403	3516	3522	3535	rVB	455086	937815	97.96%	5.886%
100	23.886	3600	3604	3609	rVB	180011	320740	33.50%	2.013%

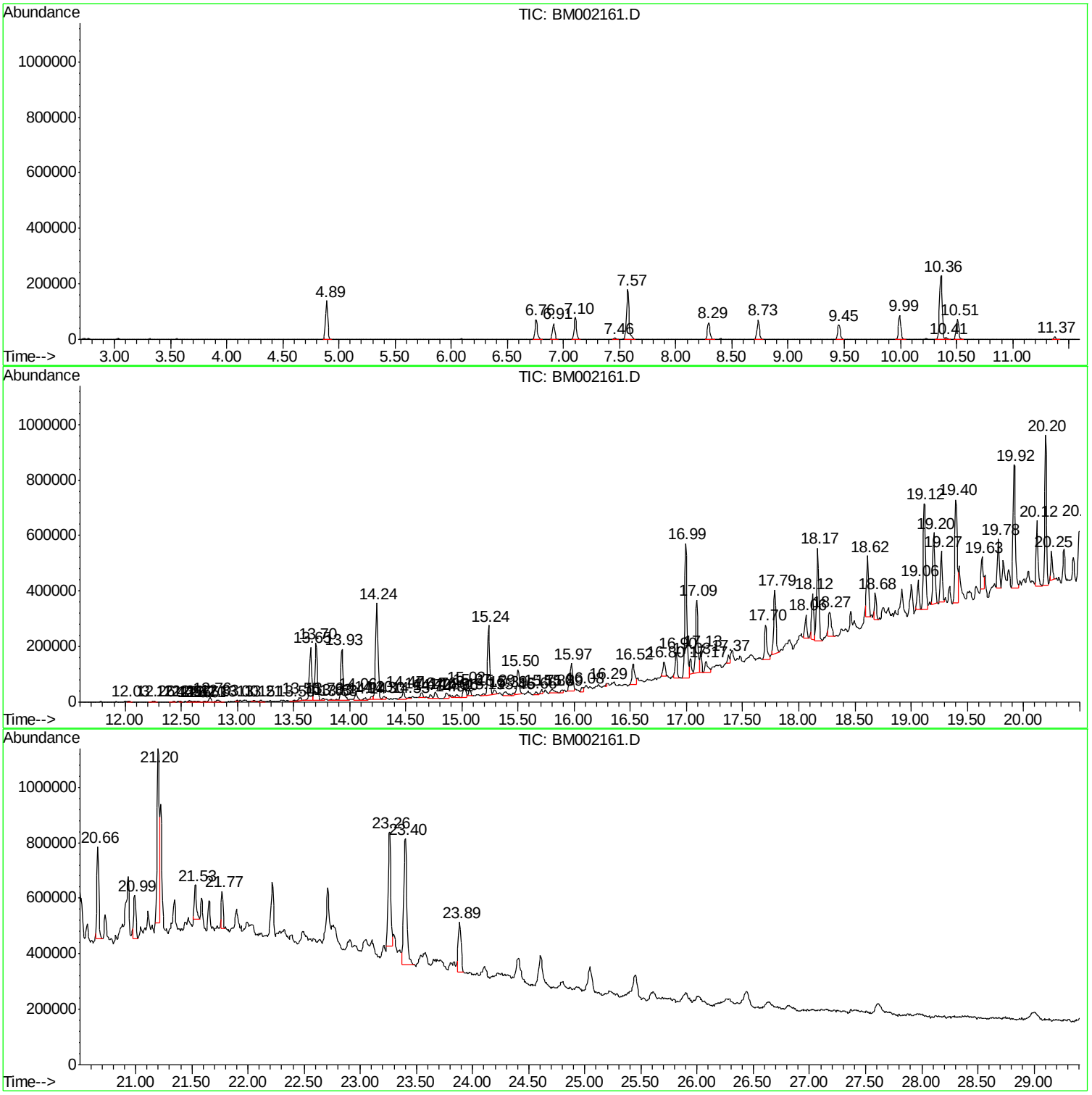
Sum of corrected areas: 15932031

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
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Acq On : 31 Jul 2015 18:06
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

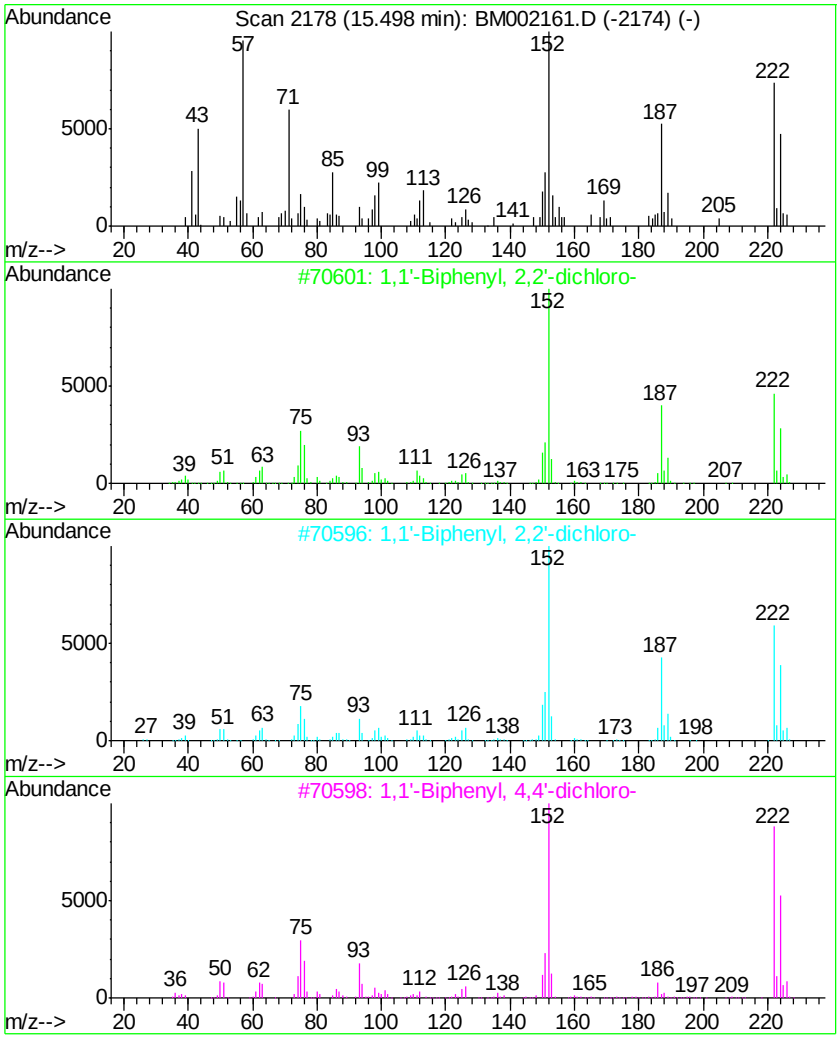
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

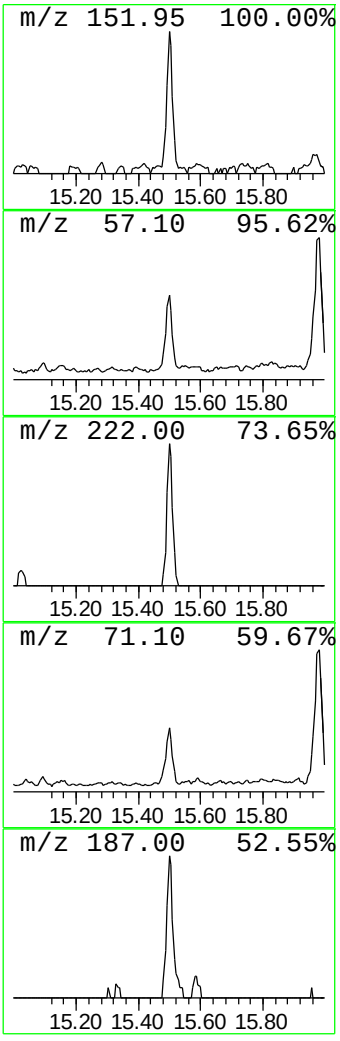
****

Peak Number 2 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	4.76 ng/ul	126174	Acenaphthene-d10	14.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	95
2	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	95
3	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	91
4	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	83
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	78





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

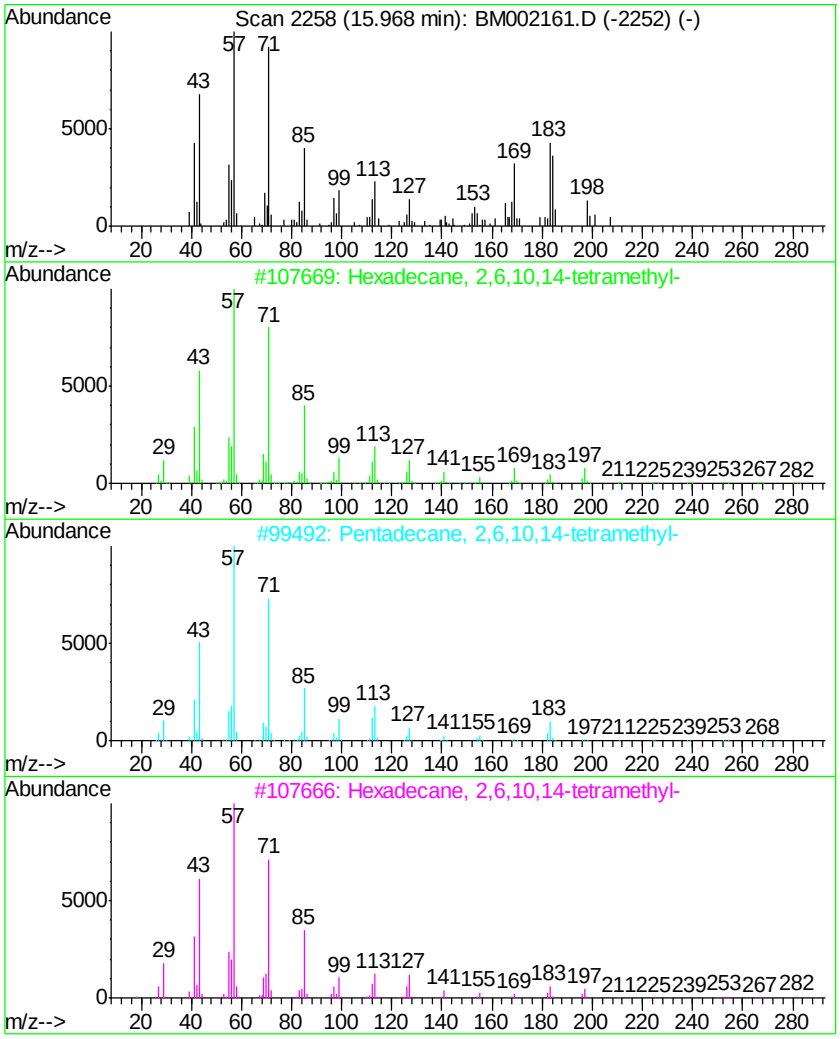
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

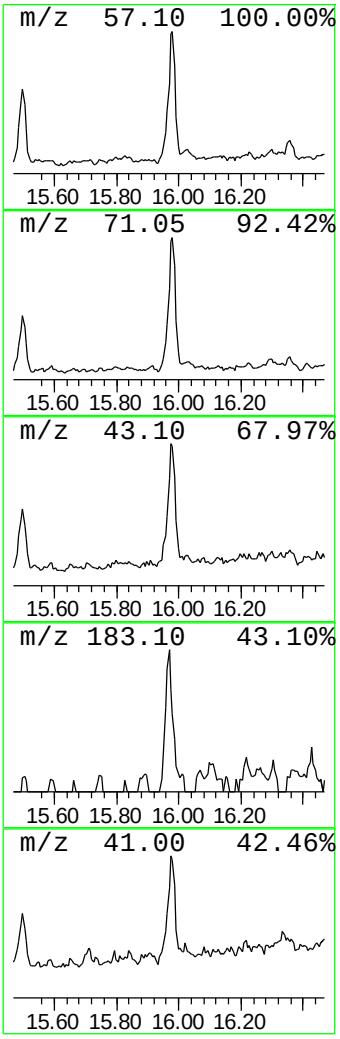
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	5.25 ng/ul	186177	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	68
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
4	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	64
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	58





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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

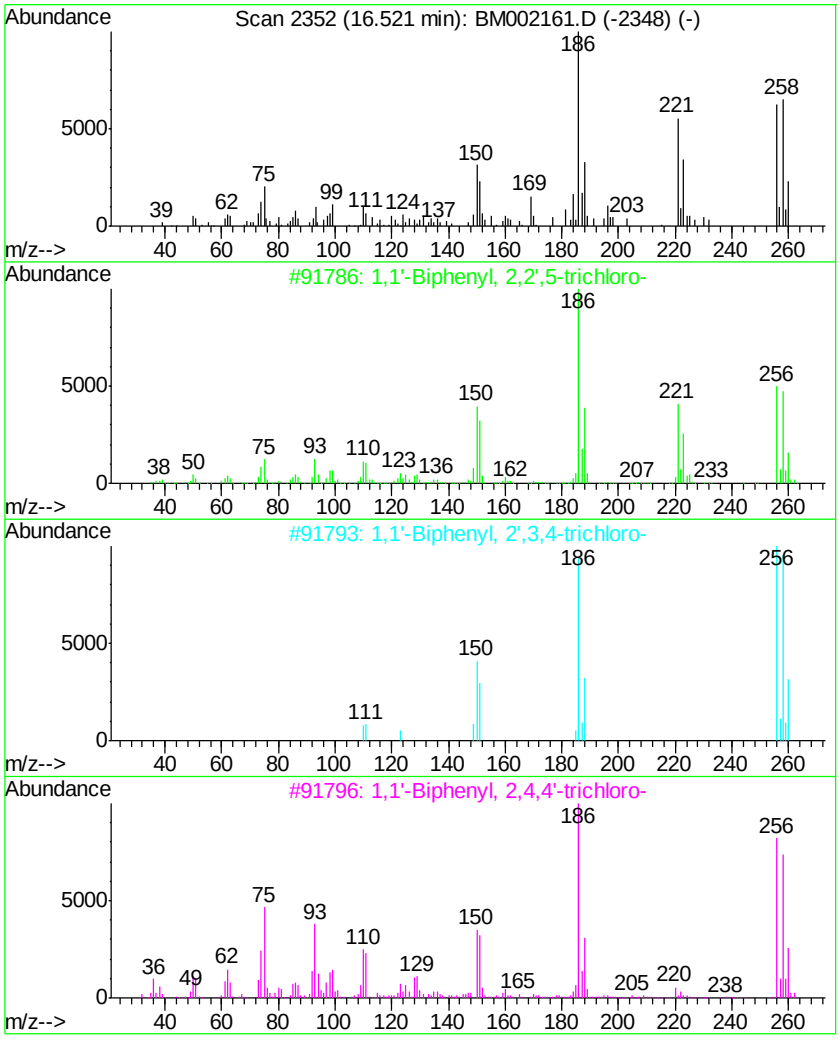
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

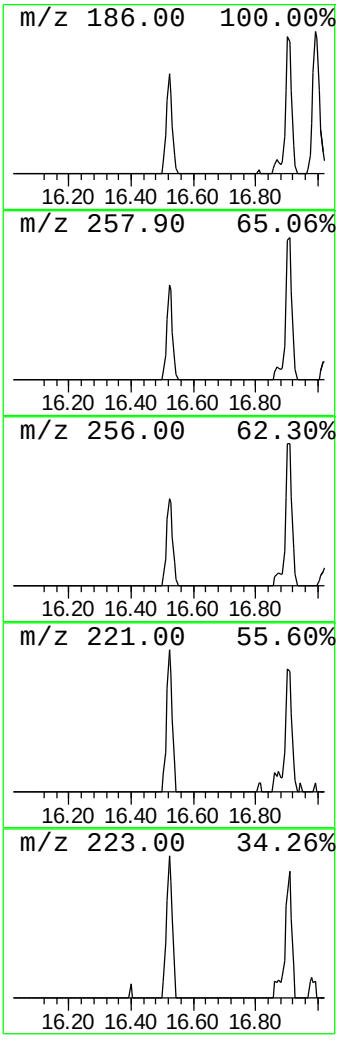
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	3.67 ng/ul	130023	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	98
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	90
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	86
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	64
5	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	62





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

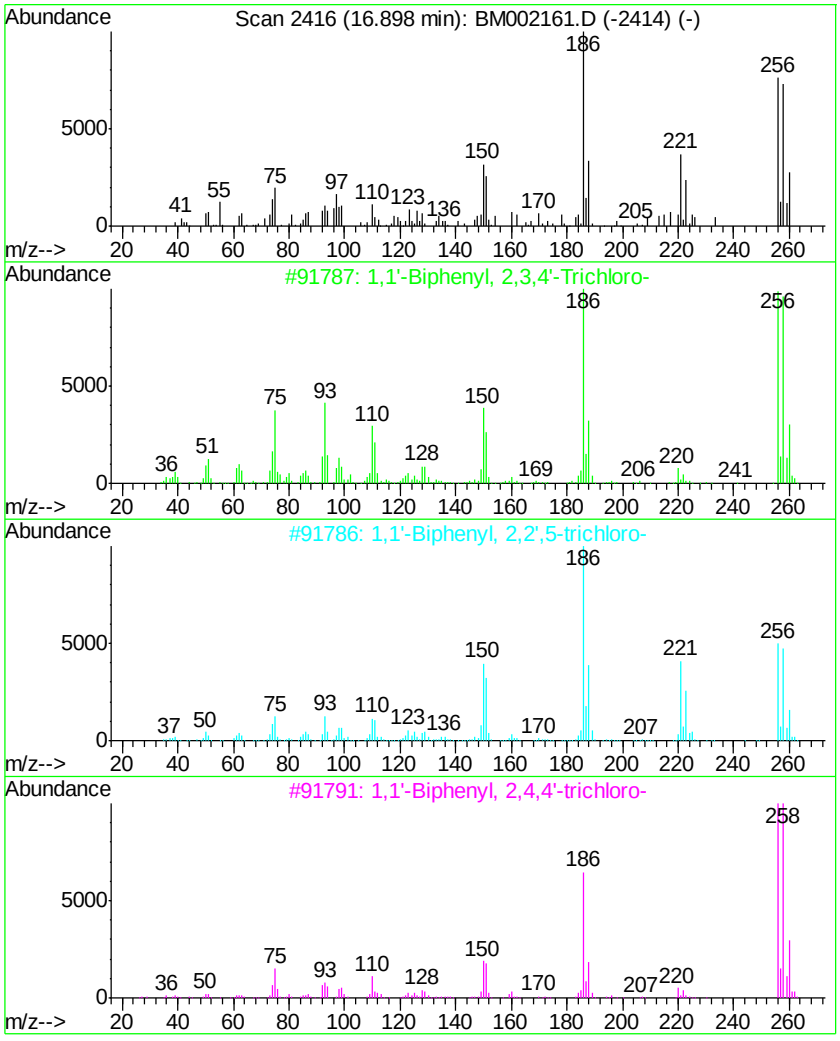
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

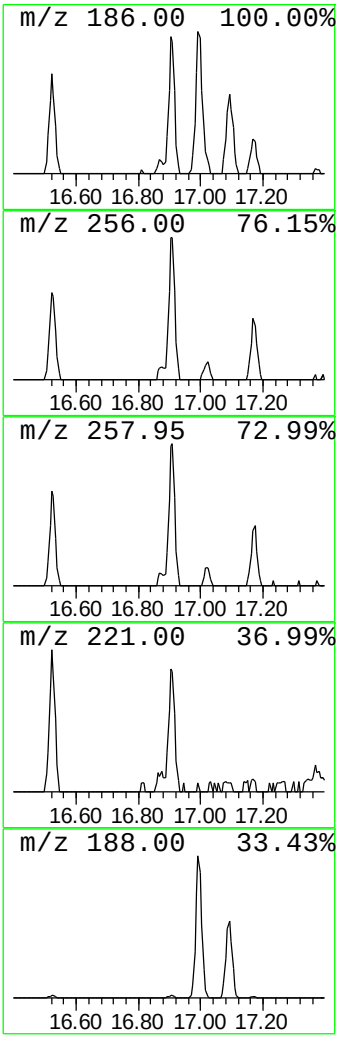
****

Peak Number 5 1,1'-Biphenyl, 2,3,4'-Trich... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	3.36 ng/ul	119187	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	95
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	94
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	93
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	93
5	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

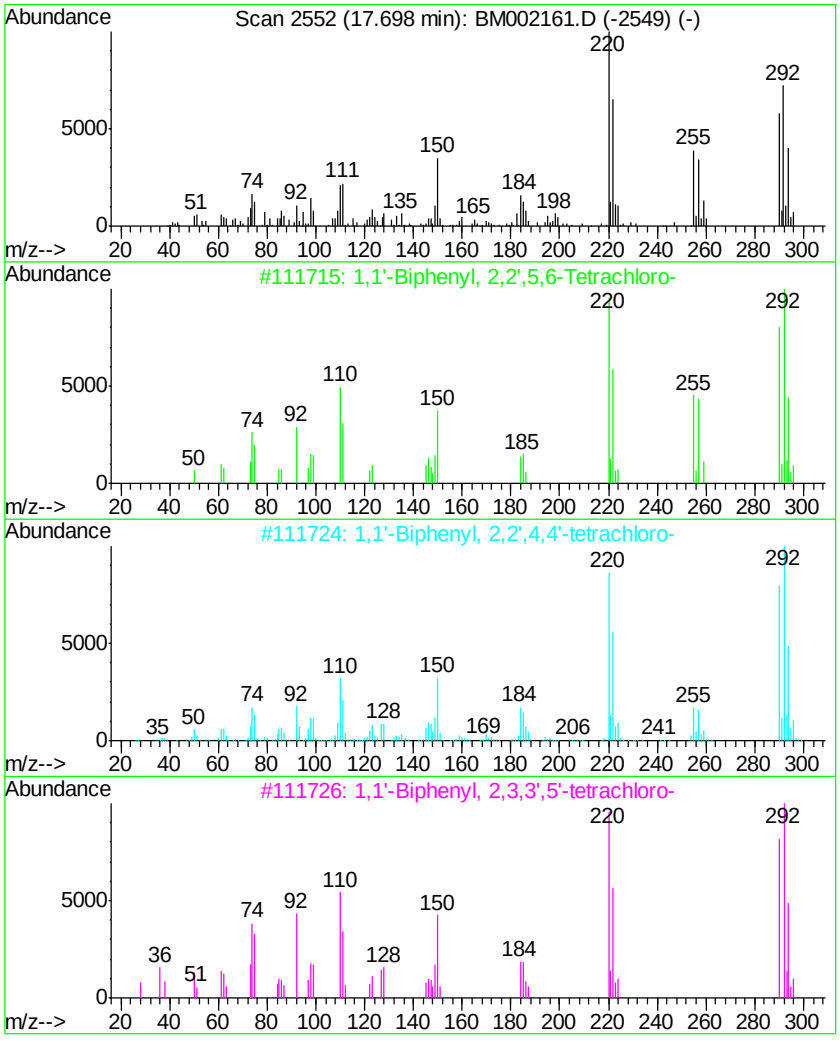
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

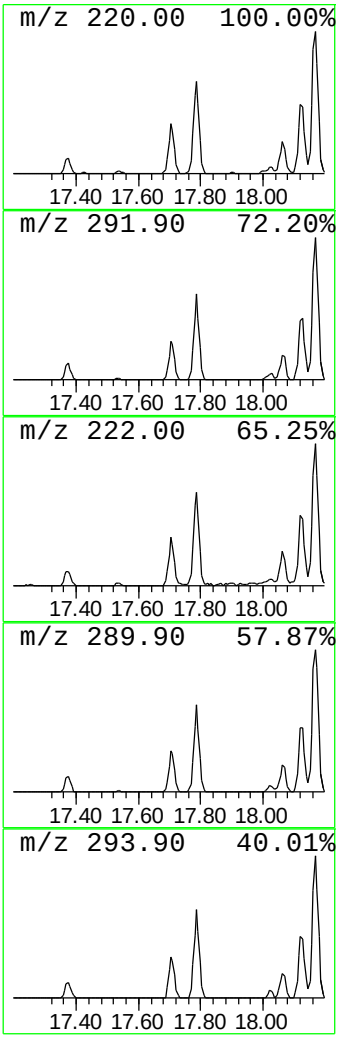
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	5.15 ng/ul	182743	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99





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Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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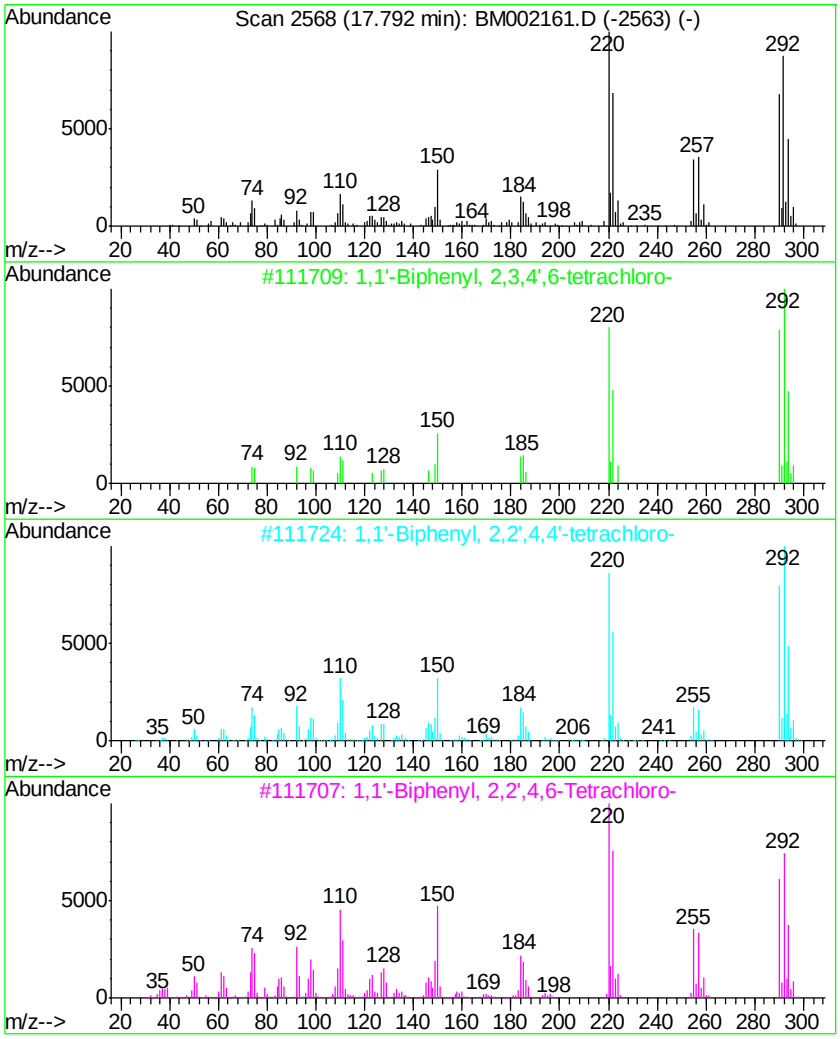
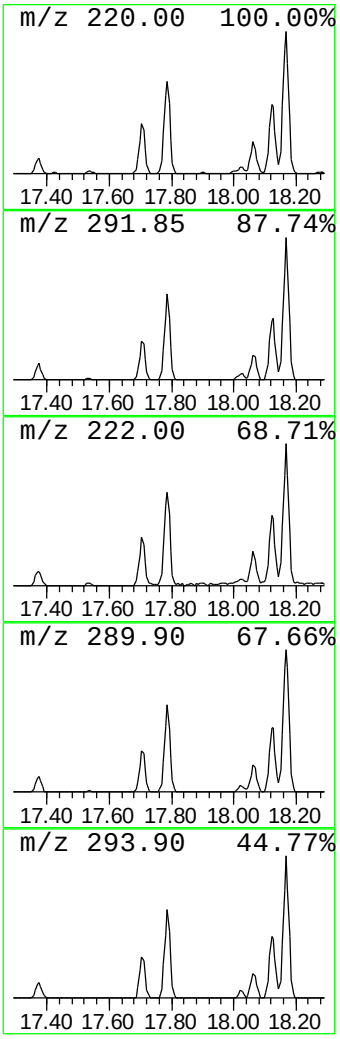
Peak Number 7 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	8.91 ng/ul	315909	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





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Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

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Quant Title : SVOA CALIBRATION

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

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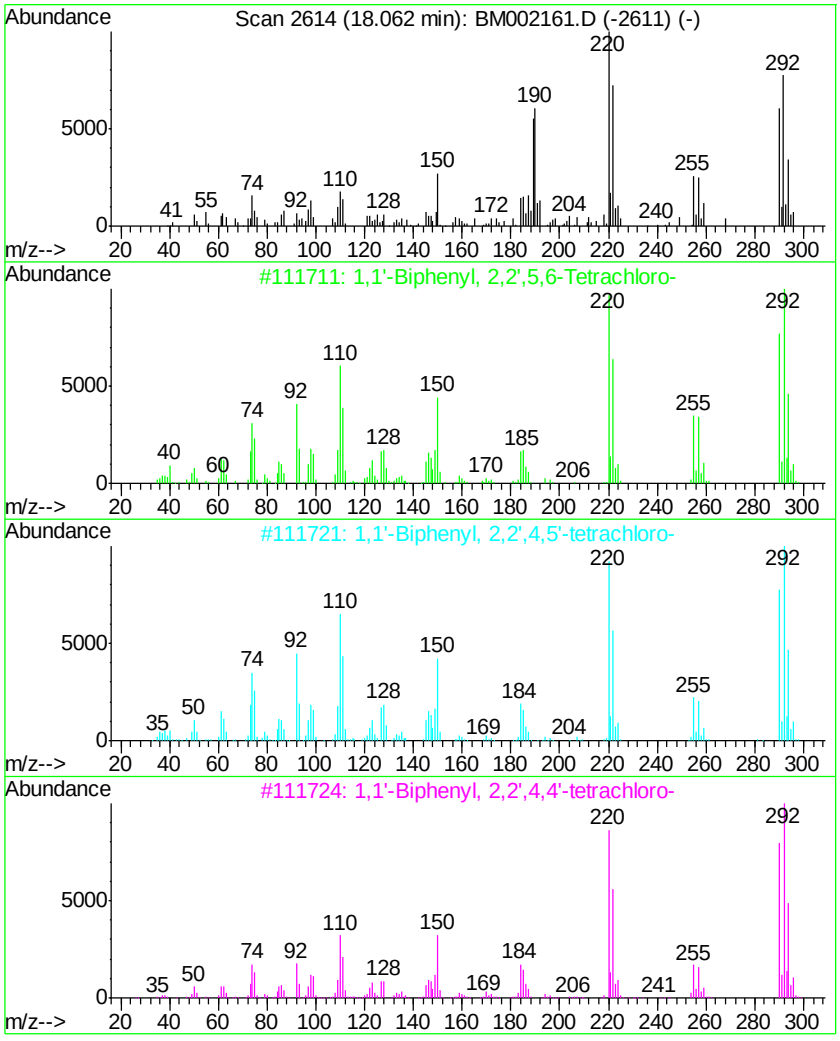
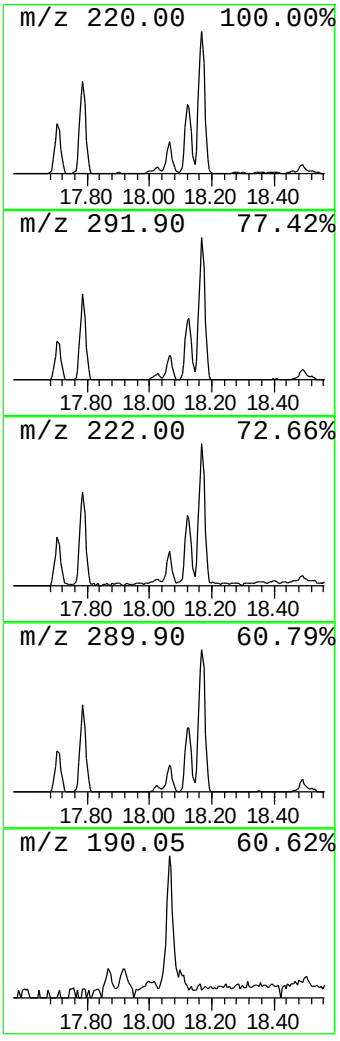
Peak Number 8 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.77 ng/ul	98102	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
2	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96
4	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	95
5	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	95





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Misc :
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Instrument : BNA_M
ClientSampleId : C01Z9

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Quant Title : SVOA CALIBRATION

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

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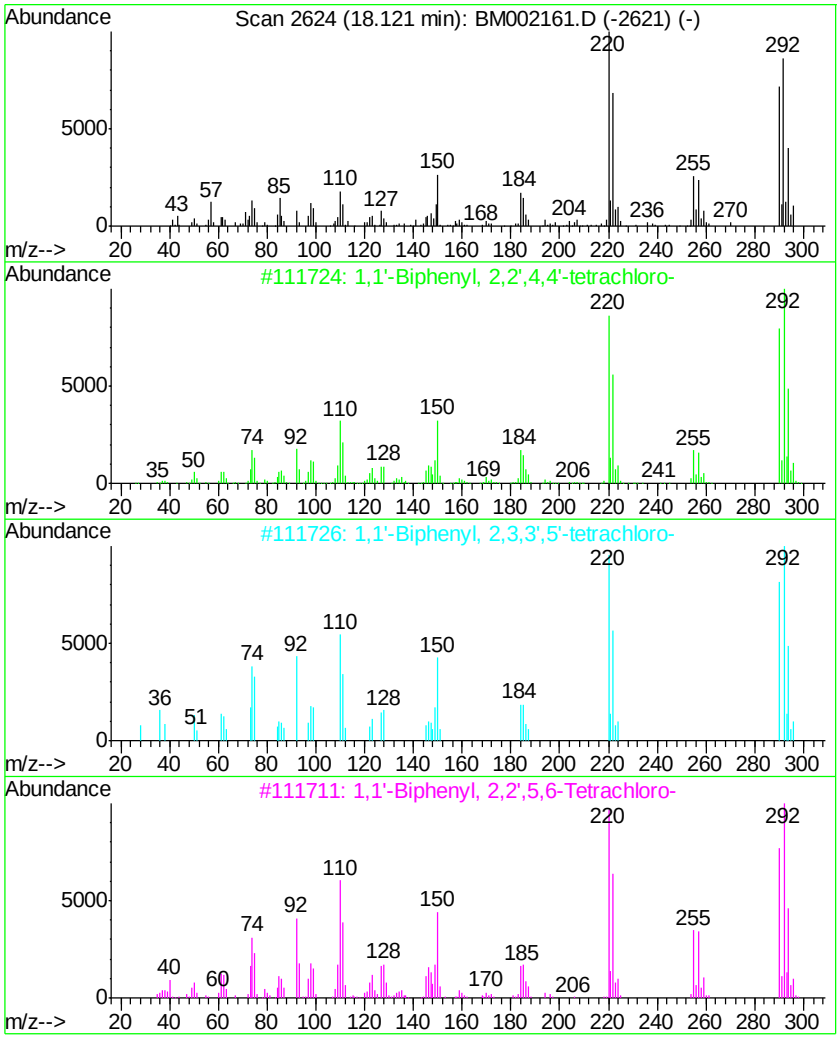
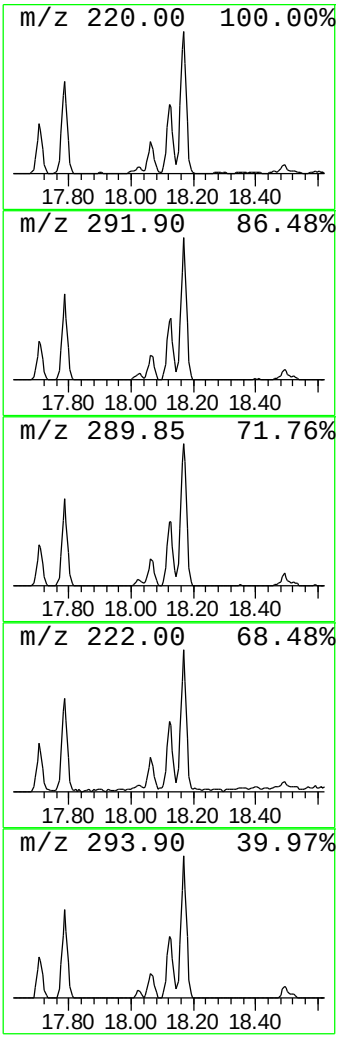
Peak Number 9 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	6.46 ng/ul	229182	Phenanthrene-d10	16.99

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, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	98





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Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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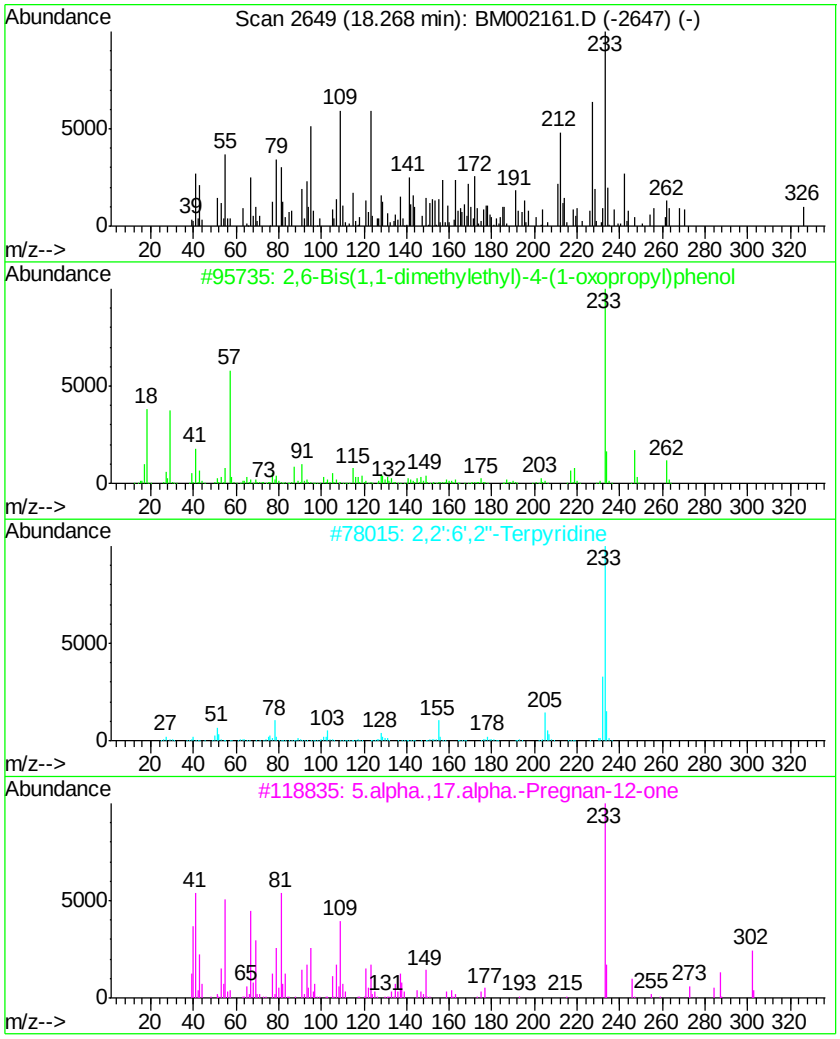
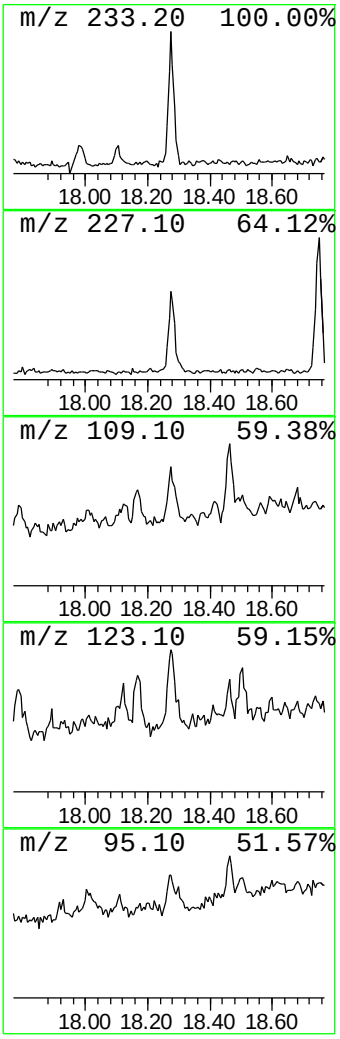
Peak Number 11 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	4.22 ng/ul	149619	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Bis(1,1-dimethylethyl)-4-(1-...	262	C17H26O2	014035-34-8	22
2	2,2':6',2"-Terpyridine	233	C15H11N3	001148-79-4	18
3	5.alpha.,17.alpha.-Pregnan-12-one	302	C21H34O	005618-24-6	16
4	1-Hydroxy-7-methoxy-3-methyl-9H-...	227	C14H13NO2	107672-50-4	15
5	Furane-2-carboxaldehyde, 5-(4-hy...	233	C11H7NO5	1000277-58-2	14





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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

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Quant Title : SVOA CALIBRATION

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

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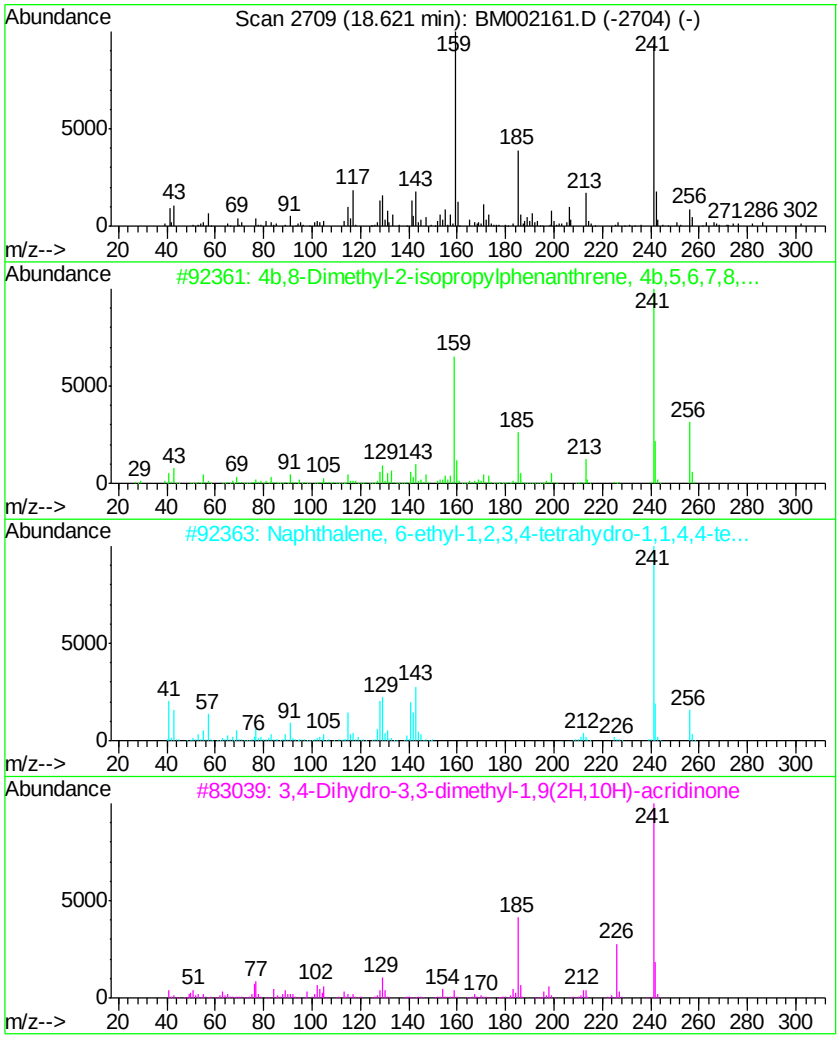
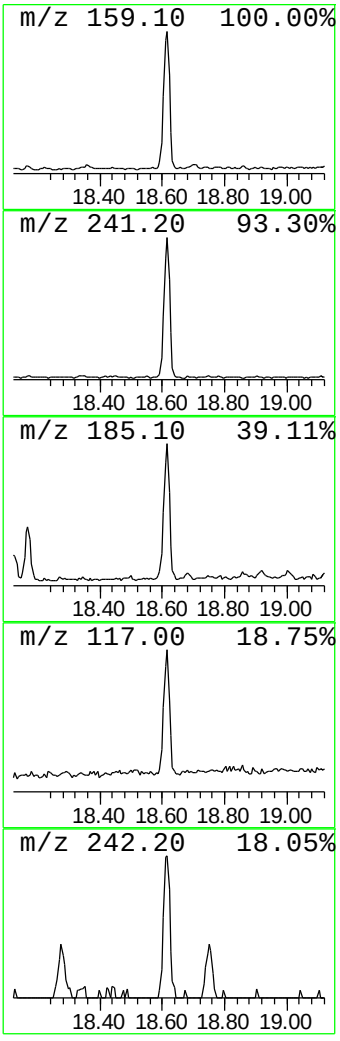
Peak Number 12 4b,8-Dimethyl-2-isopropylph... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	8.20 ng/ul	290910	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	95
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	50
3	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	45
4	Ethanone, 1-(1,2,3,5,6,7-hexahyd...	256	C18H24O	056298-80-7	38
5	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	38





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Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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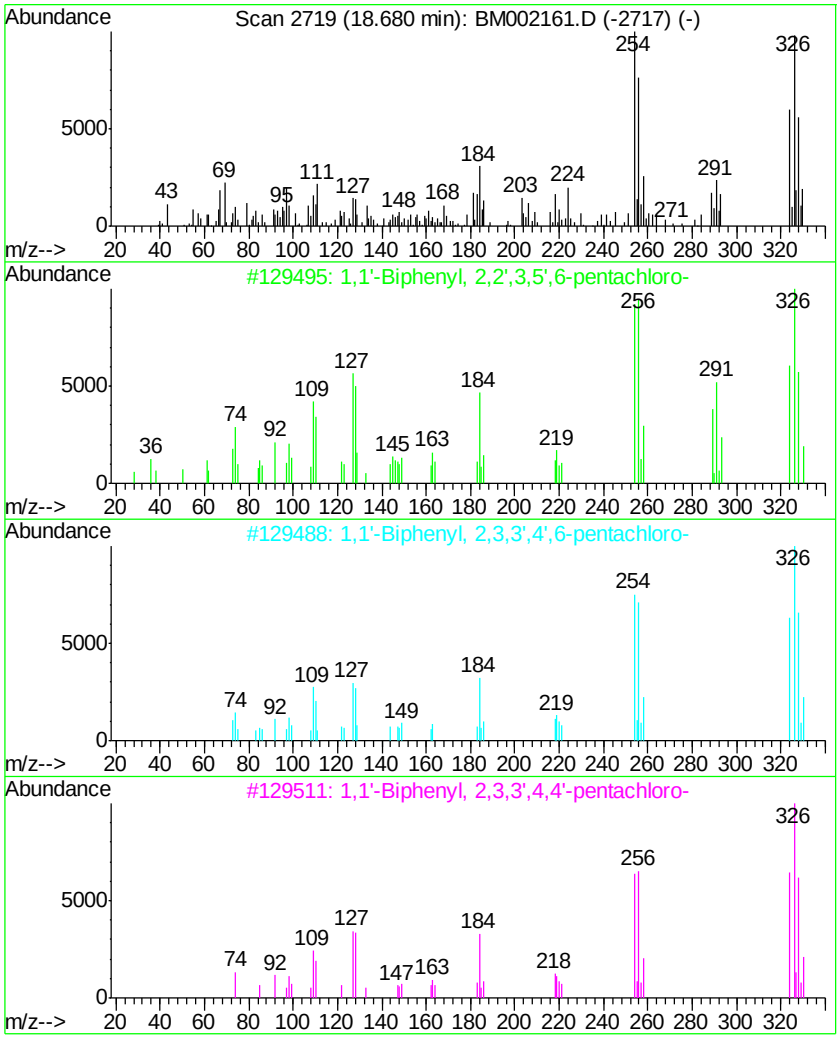
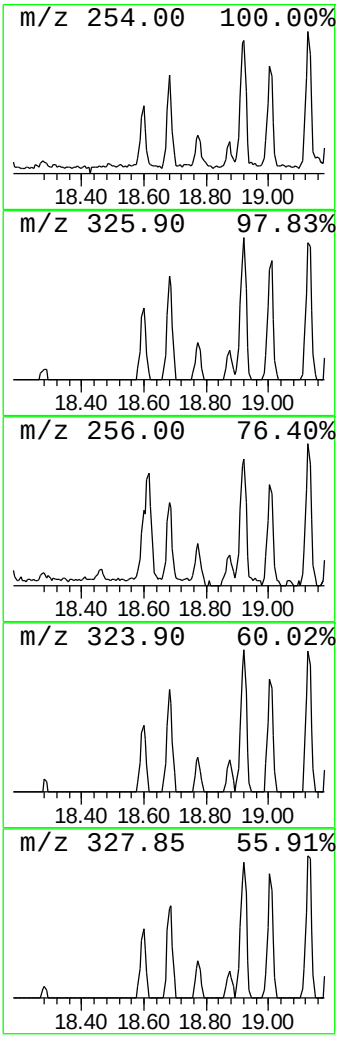
Peak Number 13 1,1'-Biphenyl, 2,2',3,5',6-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	3.03 ng/ul	107595	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	94
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	94
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	94
4	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	94
5	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	94





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Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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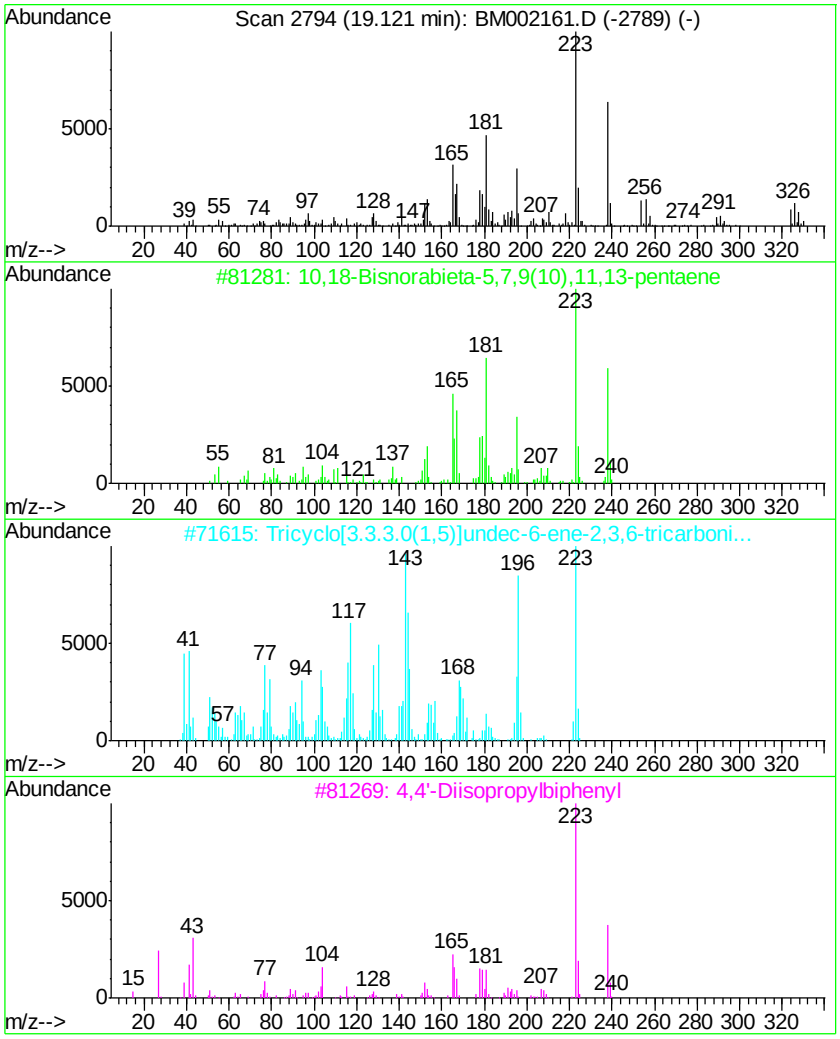
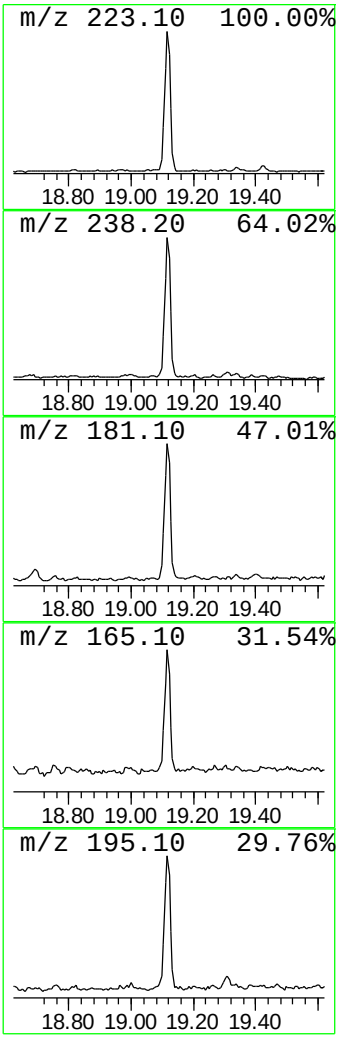
Peak Number 14 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	12.31 ng/ul	589488	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	Tricyclo[3.3.3.0(1,5)]undec-6-en...	223	C14H13N3	118894-71-6	78
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	52
4	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	52
5	9,10-Anthracenedione, 1-amino-	223	C14H9NO2	000082-45-1	50





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Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

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Quant Title : SVOA CALIBRATION

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

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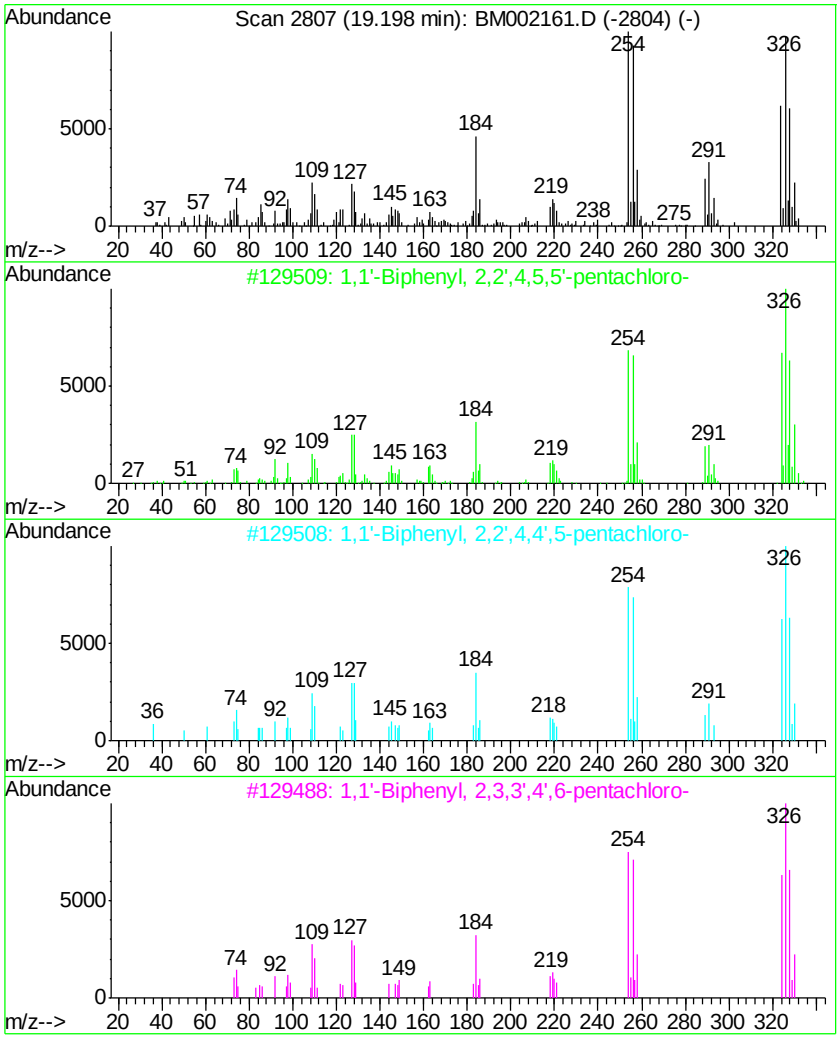
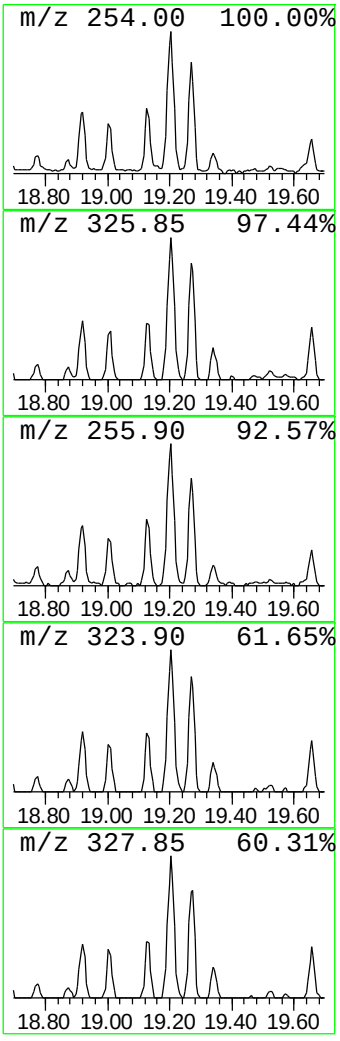
Peak Number 15 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	7.60 ng/ul	363876	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
5	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	96





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Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

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Quant Title : SVOA CALIBRATION

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

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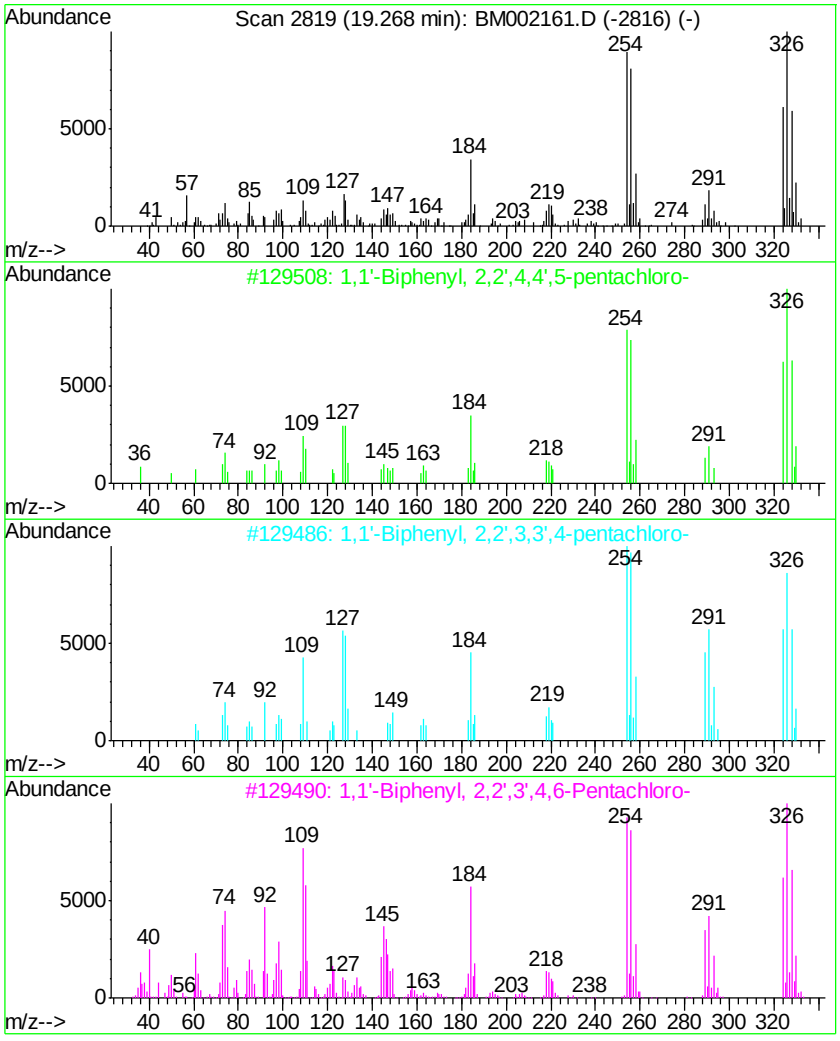
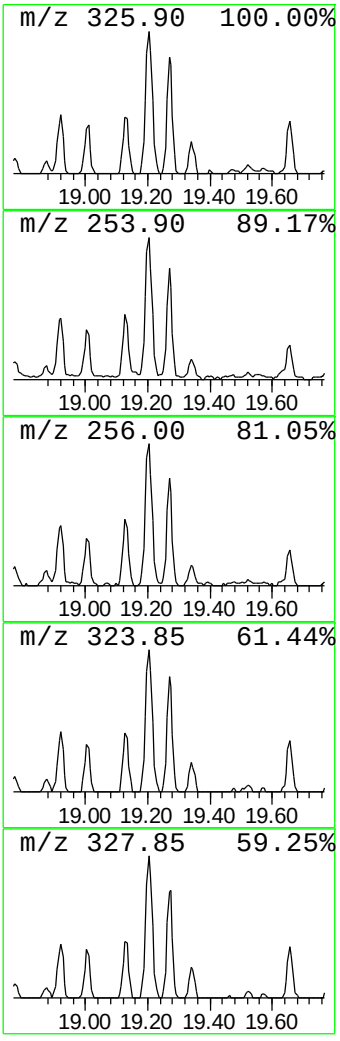
Peak Number 16 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	4.65 ng/ul	222633	Chrysene-d12	21.20

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',3,3',4-penta...	324	C12H5Cl5	052663-62-4	95
3	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	95
4	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	95
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	94





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Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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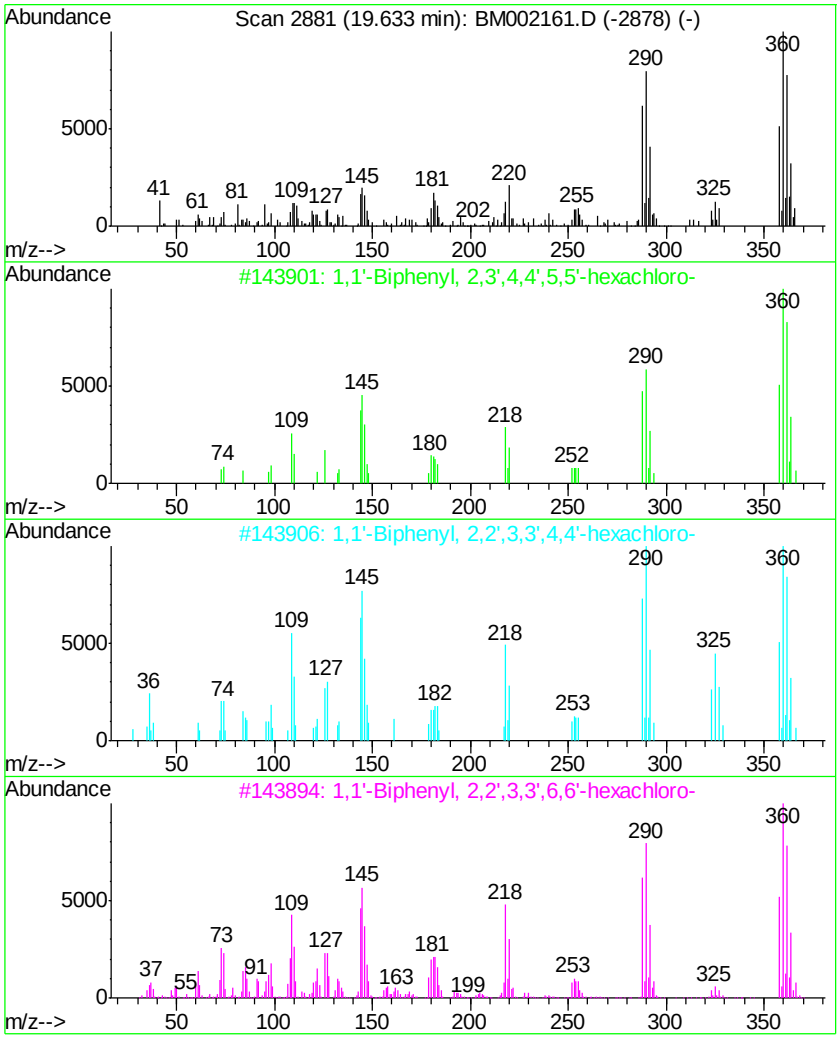
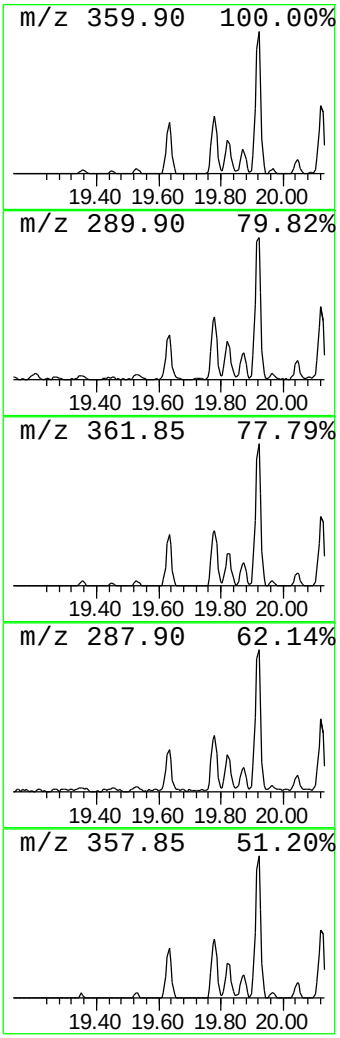
Peak Number 17 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	3.28 ng/ul	157058	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	96
2	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	96
3	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	96
4	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	95
5	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	95





Library Search Compound Report

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Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
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Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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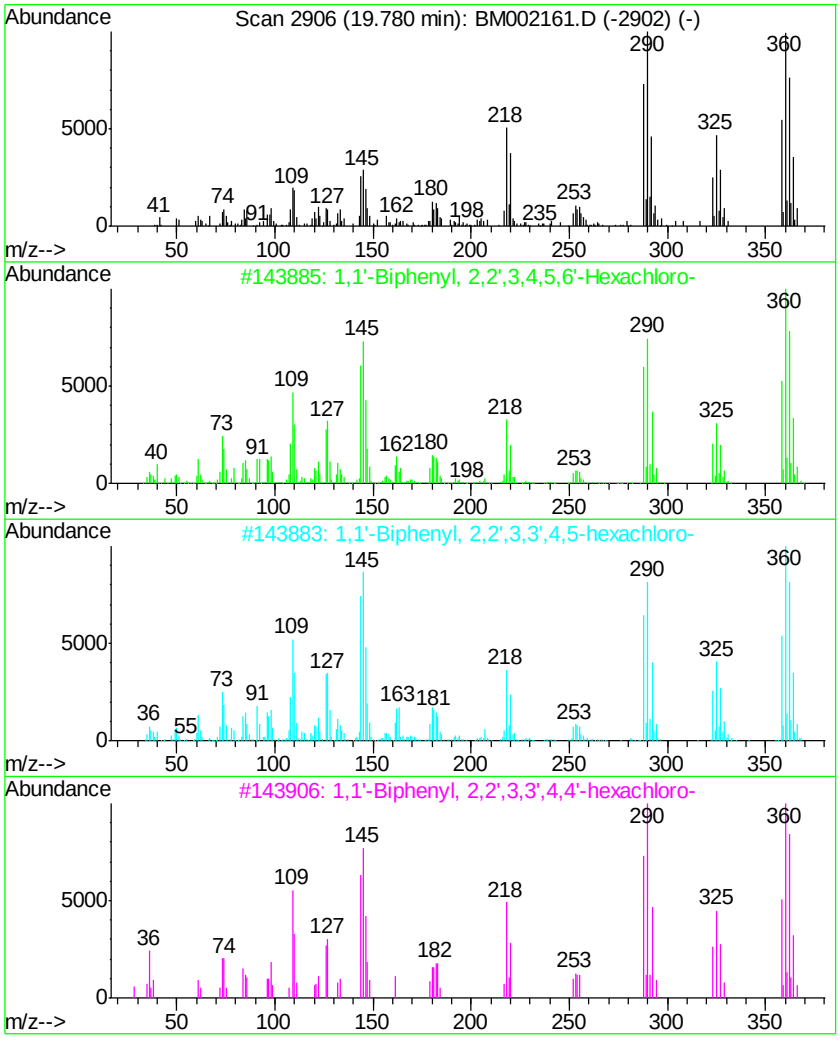
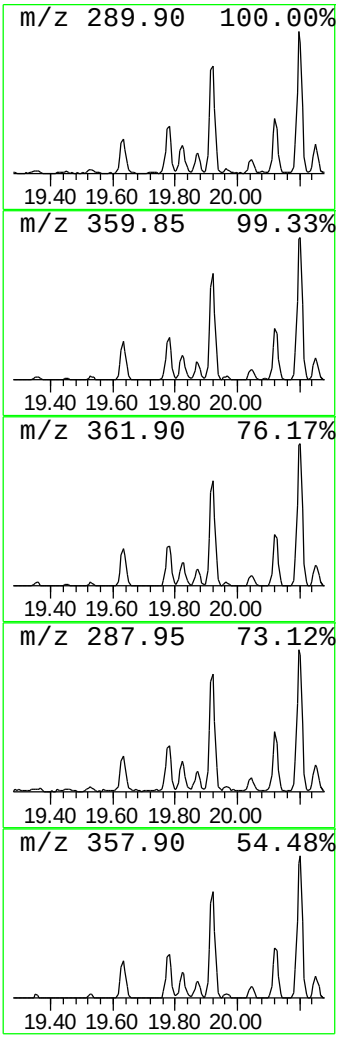
Peak Number 18 1,1'-Biphenyl, 2,2',3,4,5,6... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.78	4.48 ng/ul	214229	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
2	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
3	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
4	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99
5	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99





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Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

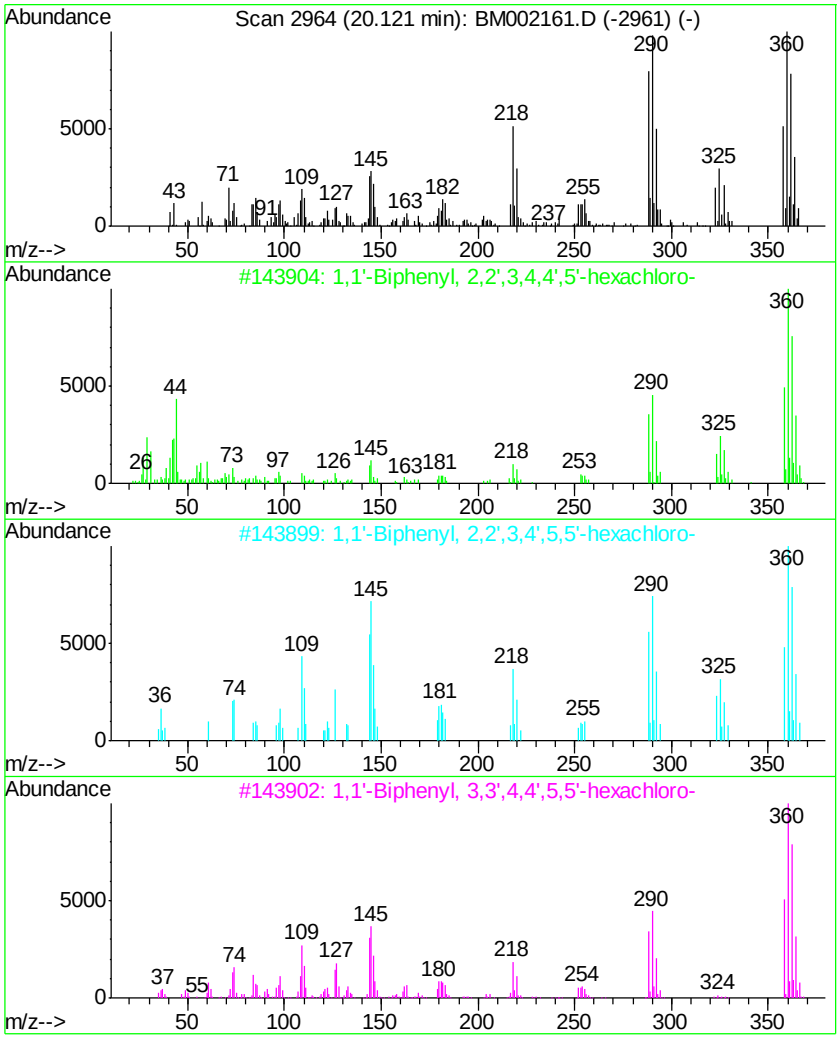
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

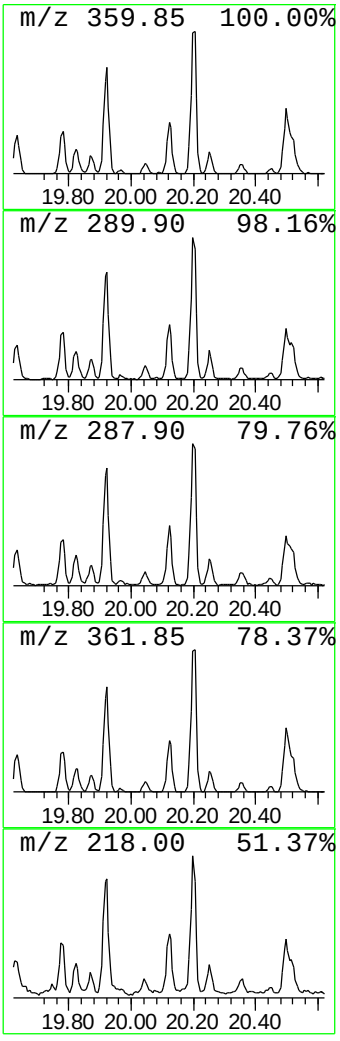
****

Peak Number 20 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	5.78 ng/ul	276861	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
5	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	98





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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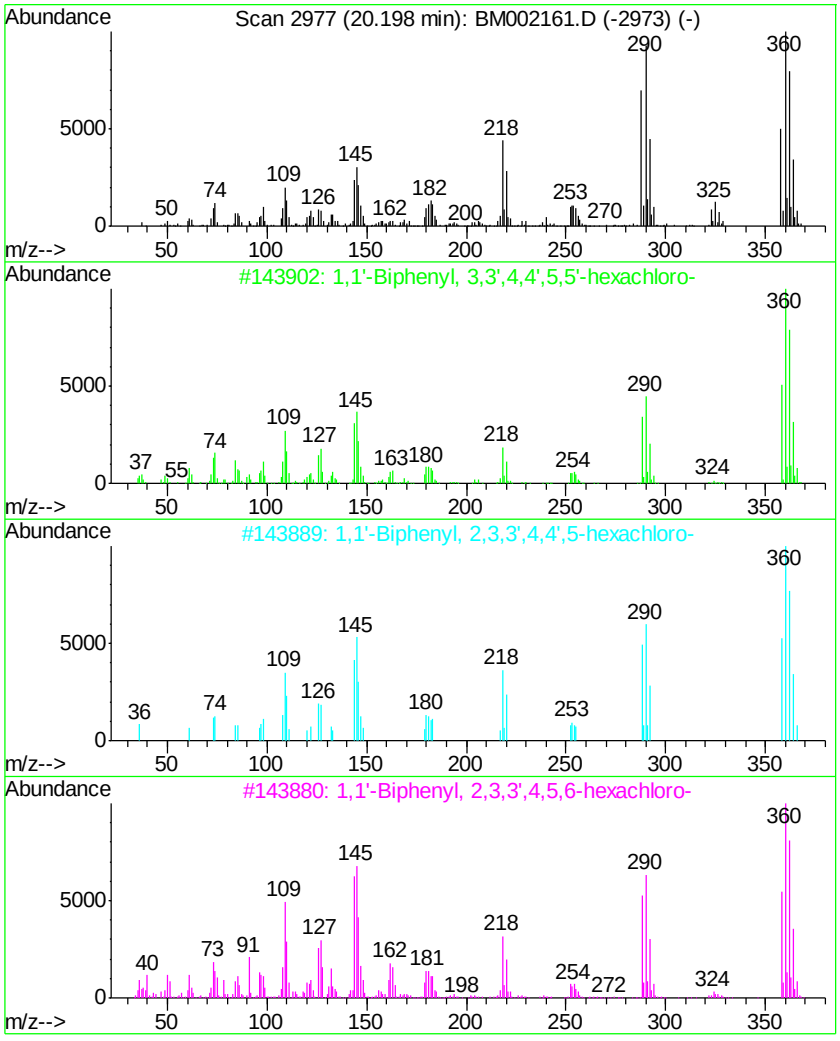
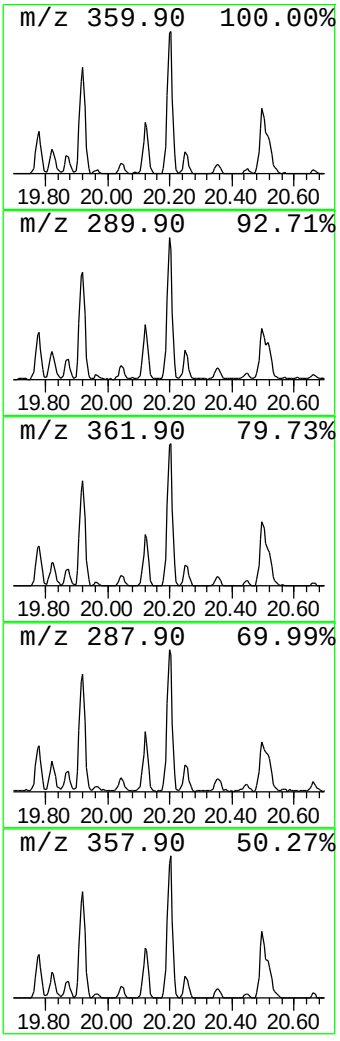
Peak Number 21 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	12.96 ng/ul	620384	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
2	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	97
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	97
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	96





Library Search Compound Report

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Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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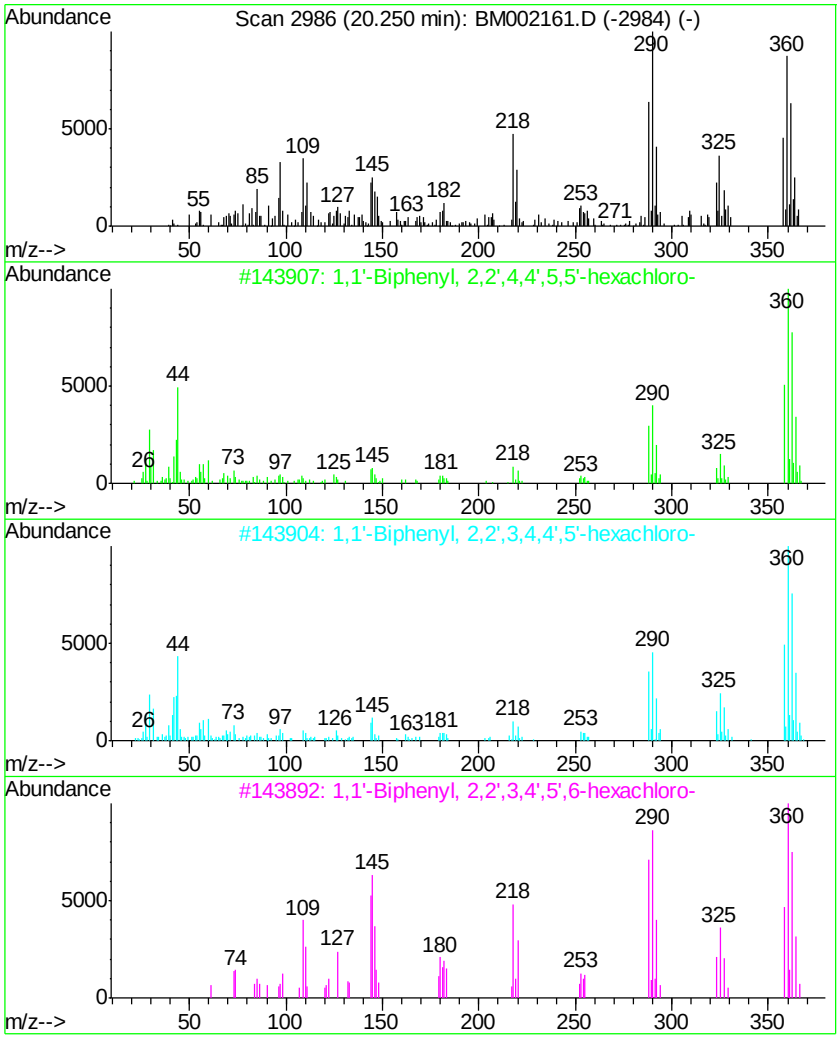
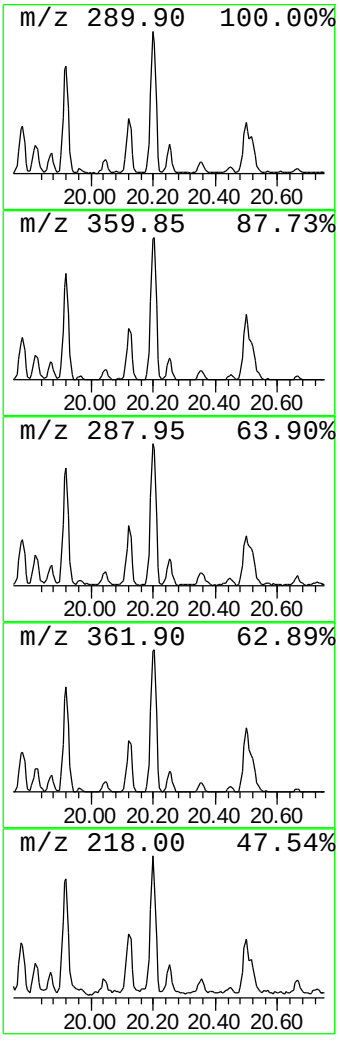
Peak Number 22 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	2.19 ng/ul	105061	Chrysene-d12	21.20

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	96
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',6-he...	358	C12H4Cl6	038380-04-0	95
4	1,1'-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	91
5	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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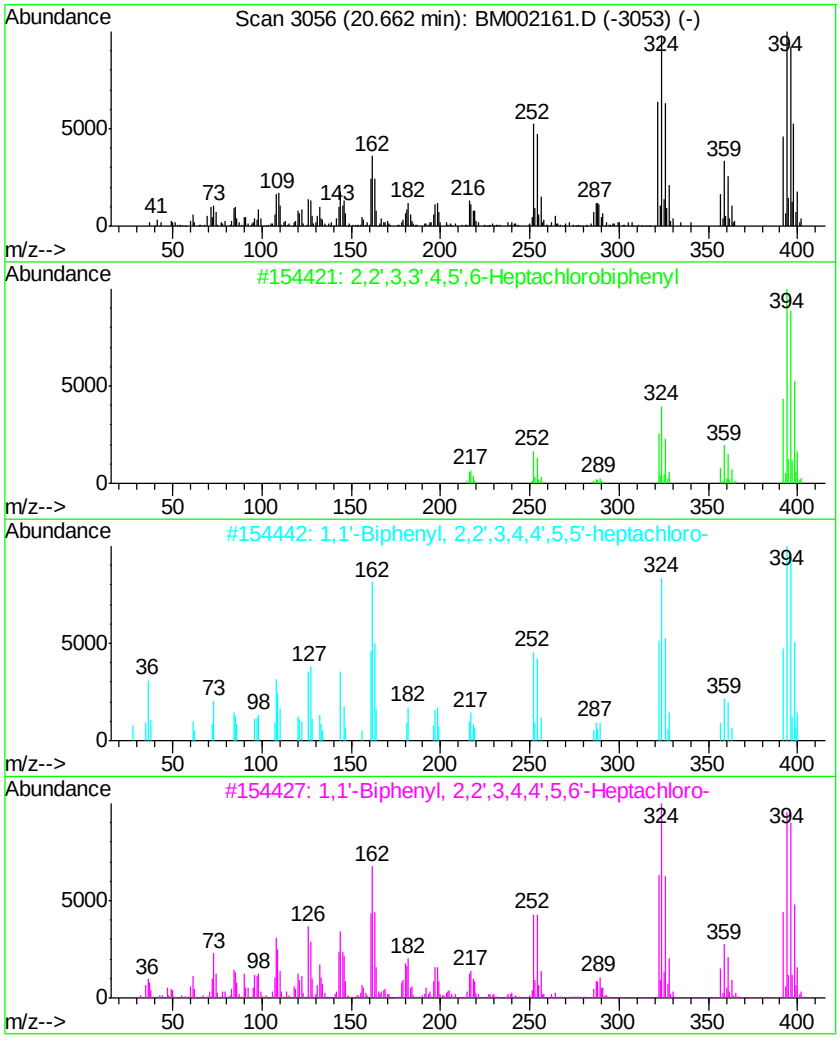
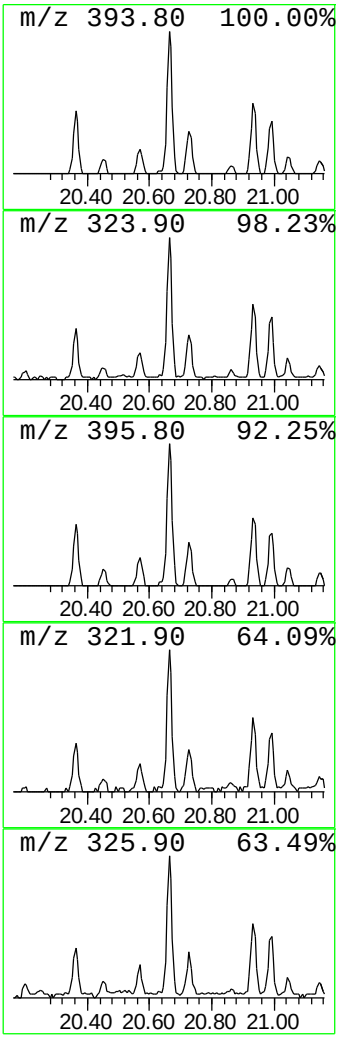
Peak Number 24 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.66	7.92 ng/ul	378944	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
3	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
4	1,1'-Biphenyl, 2,2',3,4,5,5',6-h...	392	C12H3Cl7	052712-05-7	99
5	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99





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Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

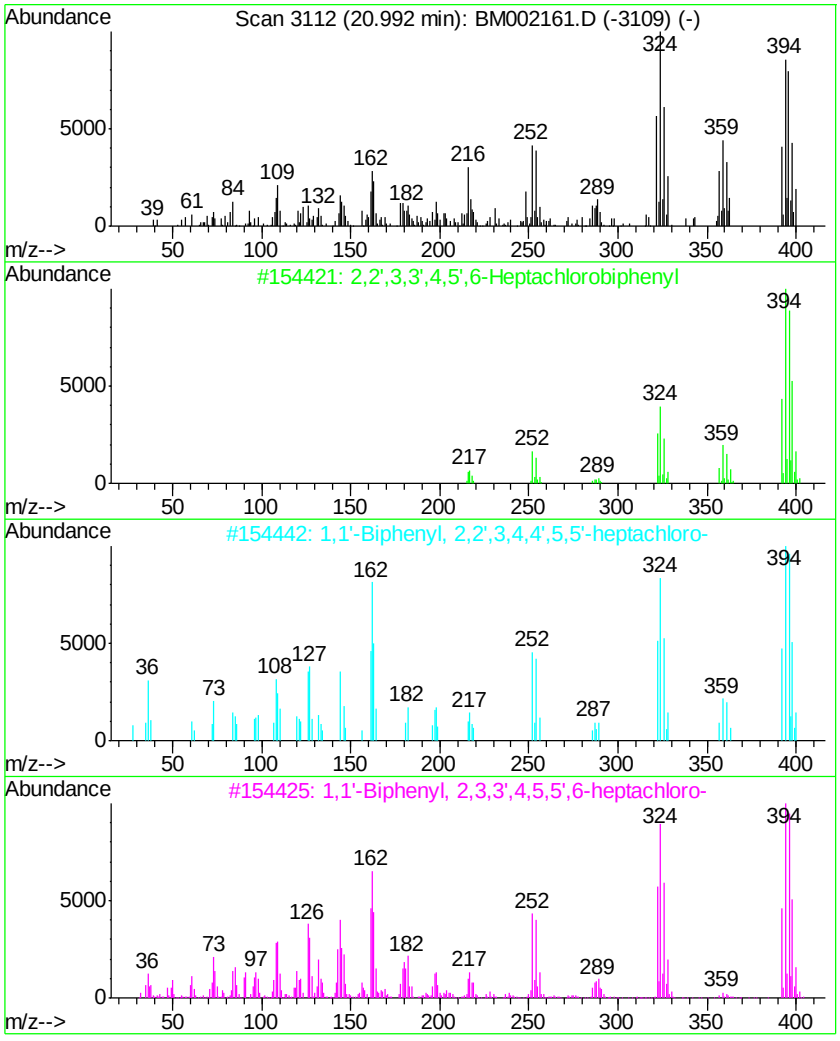
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

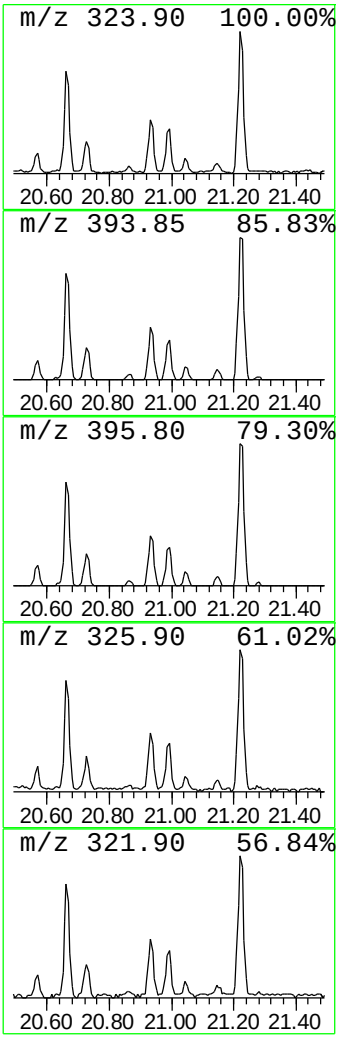
****

Peak Number 25 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	4.35 ng/ul	208200	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
3	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99
4	1,1'-Biphenyl, 2,2',3,4,4',5,6-H...	392	C12H3Cl7	074472-47-2	99
5	1,1'-Biphenyl, 2,2',3,3',4,5',6'...	392	C12H3Cl7	052663-70-4	99





Library Search Compound Report

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Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

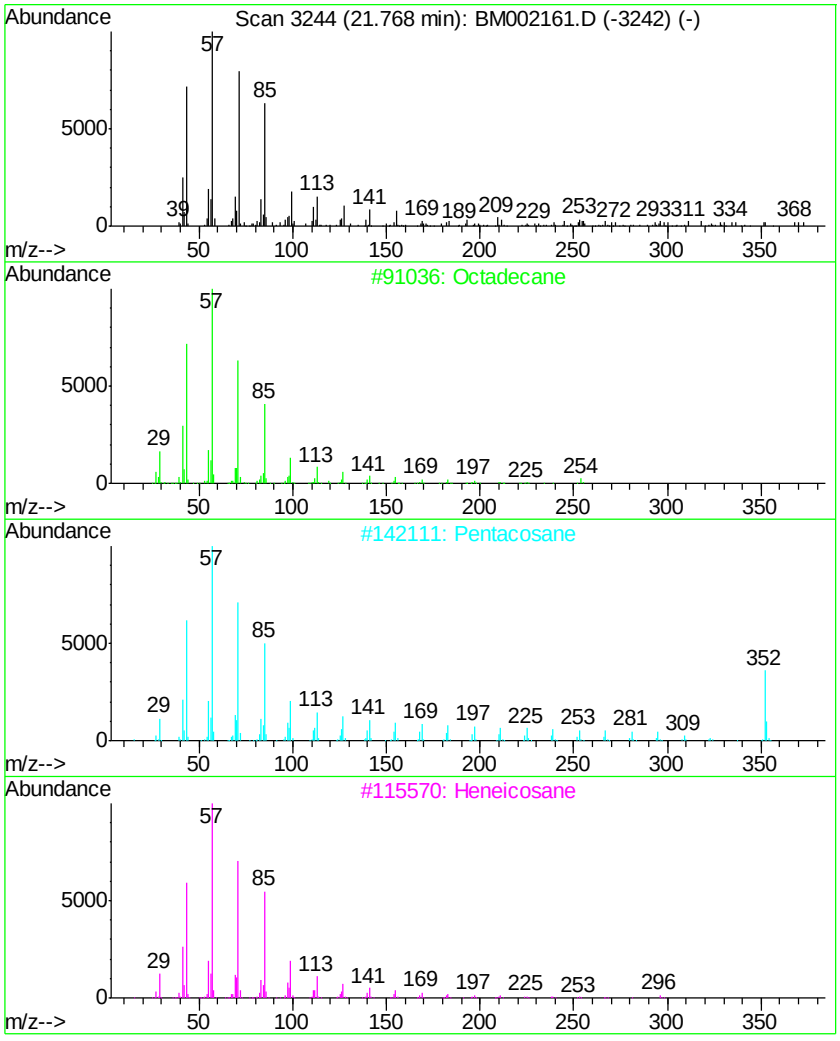
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

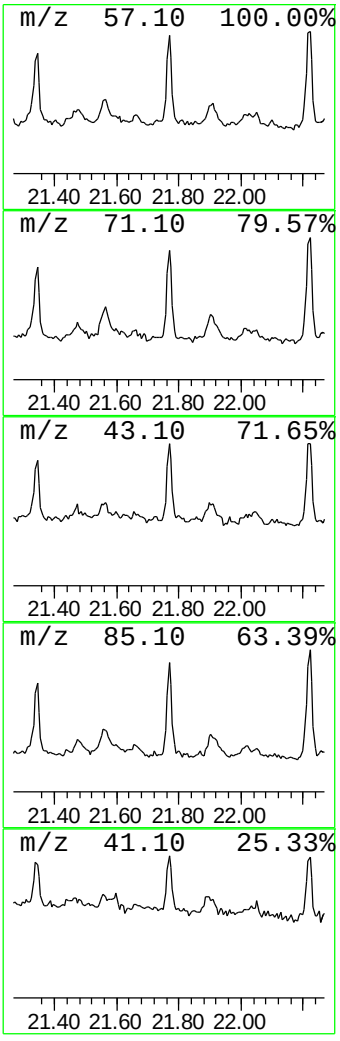
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	2.75 ng/ul	131794	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	94
2	Pentacosane	352	C25H52	000629-99-2	93
3	Heneicosane	296	C21H44	000629-94-7	93
4	Eicosane, 2-methyl-	296	C21H44	001560-84-5	90
5	Pentacosane	352	C25H52	000629-99-2	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

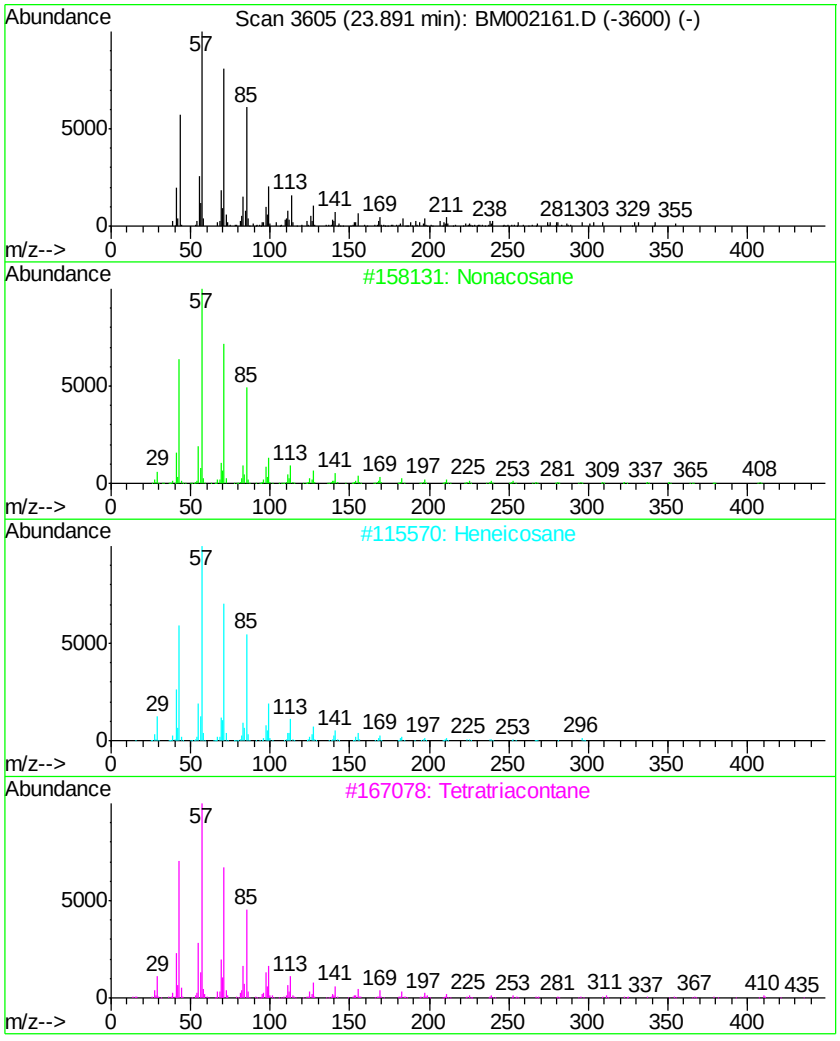
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

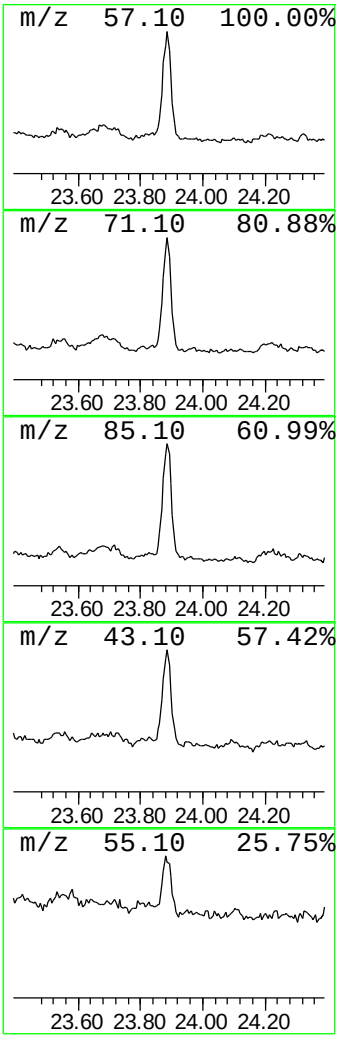
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.89	6.84 ng/ul	320740	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonacosane	408	C29H60	000630-03-5	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tetratriacontane	479	C34H70	014167-59-0	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073115\
Data File : BM002161.D
Acq On : 31 Jul 2015 18:06
Operator : TP/UM
Sample : G3065-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Z9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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
1,1'-Biphenyl, 2,...	15.50	4.8	ng/ul	126174	3	14.24	529650	20.0
(DEL) Alkane: Str...	15.97	5.3	ng/ul	186177	4	16.99	709293	20.0
1,1'-Biphenyl, 2,...	16.52	3.7	ng/ul	130023	4	16.99	709293	20.0
1,1'-Biphenyl, 2,...	16.90	3.4	ng/ul	119187	4	16.99	709293	20.0
1,1'-Biphenyl, 2,...	17.70	5.2	ng/ul	182743	4	16.99	709293	20.0
1,1'-Biphenyl, 2,...	17.79	8.9	ng/ul	315909	4	16.99	709293	20.0
1,1'-Biphenyl, 2,...	18.06	2.8	ng/ul	98102	4	16.99	709293	20.0
1,1'-Biphenyl, 2,...	18.12	6.5	ng/ul	229182	4	16.99	709293	20.0
unknown-01	18.27	4.2	ng/ul	149619	4	16.99	709293	20.0
4b,8-Dimethyl-2-i...	18.62	8.2	ng/ul	290910	4	16.99	709293	20.0
1,1'-Biphenyl, 2,...	18.68	3.0	ng/ul	107595	4	16.99	709293	20.0
10,18-Bisnorabiet...	19.12	12.3	ng/ul	589488	5	21.20	957359	20.0
1,1'-Biphenyl, 2,...	19.20	7.6	ng/ul	363876	5	21.20	957359	20.0
1,1'-Biphenyl, 2,...	19.27	4.7	ng/ul	222633	5	21.20	957359	20.0
1,1'-Biphenyl, 2,...	19.63	3.3	ng/ul	157058	5	21.20	957359	20.0
1,1'-Biphenyl, 2,...	19.78	4.5	ng/ul	214229	5	21.20	957359	20.0
1,1'-Biphenyl, 2,...	20.12	5.8	ng/ul	276861	5	21.20	957359	20.0
1,1'-Biphenyl, 2,...	20.20	13.0	ng/ul	620384	5	21.20	957359	20.0
1,1'-Biphenyl, 2,...	20.25	2.2	ng/ul	105061	5	21.20	957359	20.0
2,2',3,3',4,5',6-...	20.66	7.9	ng/ul	378944	5	21.20	957359	20.0
1,1'-Biphenyl, 2,...	20.99	4.3	ng/ul	208200	5	21.20	957359	20.0
(DEL) Alkane: Str...	21.77	2.8	ng/ul	131794	5	21.20	957359	20.0
(DEL) Alkane: Str...	23.89	6.8	ng/ul	320740	6	23.40	937815	20.0