LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018283.D
Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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	4.758	345	352	365	rVB	933940	1385001	7.83%	0.584%
2	5.081	401	407	416	rBV	228814	406611	2.30%	0.171%
3	6.638	667	672	674	rBV	118405	193488	1.09%	0.082%
4	6.967	723	728	738	rVB	146008	259939	1.47%	0.110%
5	7.079	738	747	754	rBV	248724	413289	2.34%	0.174%
6	7.320	781	788	796	rVV	492649	776215	4.39%	0.327%
7	7.431	796	807	808	rVV3	165459	325442	1.84%	0.137%
8	7.467	808	813	822	rVV	1166262	1774312	10.03%	0.748%
9	8.166	927	932	939	rVV	153245	263505	1.49%	0.111%
10	8.589	999	1004	1012	rVV	131689	241353	1.36%	0.102%
11	8.659	1012	1016	1024	rVB	114496	179876	1.02%	0.076%
12	9.306	1119	1126	1131	rBV3	151099	259116	1.46%	0.109%
13	9.852	1214	1219	1227	rVB3	170787	313716	1.77%	0.132%
14	10.081	1253	1258	1263	rBV2	145442	243735	1.38%	0.103%
15	10.211	1270	1280	1285	rBV2	284642	537542	3.04%	0.227%
16	10.263	1285	1289	1296	rVV	179866	293953	1.66%	0.124%
17	11.251	1452	1457	1467	rBV4	96269	218809	1.24%	0.092%
18	11.891	1562	1566	1574	rVB	185473	317699	1.80%	0.134%
19	12.643	1690	1694	1698	rVV2	120184	182870	1.03%	0.077%
20	12.937	1740	1744	1752	rVB3	121758	195686	1.11%	0.082%
21	13.430	1824	1828	1832	rVB2	115975	178667	1.01%	0.075%
22	13.530	1840	1845	1849	rVB2	354860	552092	3.12%	0.233%
23	13.577	1849	1853	1856	rBV	138724	214733	1.21%	0.091%
24	13.607	1856	1858	1862	rVV2	164290	211242	1.19%	0.089%
25	13.659	1862	1867	1872	rVB6	92659	184320	1.04%	0.078%
26	13.800	1888	1891	1895	rVV	258647	349504	1.98%	0.147%
27	13.859	1895	1901	1910	rVB	999111	1419799	8.02%	0.598%
28	13.936	1910	1914	1924	rVB2	139618	220295	1.24%	0.093%
29	14.030	1924	1930	1934	rBV4	134422	236558	1.34%	0.100%
30	14.118	1939	1945	1948	rBV2	269537	410517	2.32%	0.173%
31	14.517	2010	2013	2020	rVB4	165850	286010	1.62%	0.121%
32	14.746	2046	2052	2055	rBV4	97985	196553	1.11%	0.083%
33	14.905	2074	2079	2084	rBV6	145259	292892	1.66%	0.123%
34	15.117	2111	2115	2120	rVB	330821	447870	2.53%	0.189%

LSC Area Percent Report

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Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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	15.169	2120	2124	2129	rBV2	193665	279752	1.58%	0.118%
36	15.387	2156	2161	2172	rVB2	734794	1215791	6.87%	0.512%
37	15.863	2238	2242	2243	rBV3	180376	241466	1.36%	0.102%
38	15.880	2243	2245	2250	rVB	338162	415591	2.35%	0.175%
39	15.998	2260	2265	2269	rVB	632171	823346	4.65%	0.347%
40	16.115	2279	2285	2291	rBV	1317105	1825049	10.31%	0.769%
41	16.409	2331	2335	2338	rBV	344861	449767	2.54%	0.190%
42	16.703	2381	2385	2389	rVV2	229202	354647	2.00%	0.149%
43	16.768	2390	2396	2399	rVV2	2533873	3477609	19.65%	1.466%
44	16.797	2399	2401	2408	rVB	1155720	1381937	7.81%	0.582%
45	16.873	2410	2414	2418	rBV2	579078	810111	4.58%	0.341%
46	16.920	2418	2422	2427	rVB	615501	933990	5.28%	0.394%
47	16.979	2428	2432	2435	rBV	263825	349064	1.97%	0.147%
48	17.061	2440	2446	2454	rVB2	1910820	2824877	15.96%	1.191%
49	17.349	2488	2495	2497	rBV	2900603	4251382	24.03%	1.792%
50	17.379	2497	2500	2507	rVB	2154081	2583497	14.60%	1.089%
51	17.496	2512	2520	2526	rVB2	3892220	7832761	44.27%	3.301%
52	17.608	2533	2539	2546	rBV2	3274987	5180235	29.28%	2.183%
53	17.678	2547	2551	2556	rBV	1264620	1646393	9.30%	0.694%
54	17.737	2557	2561	2566	rBV	828013	1042749	5.89%	0.439%
55	17.896	2584	2588	2594	rBV	712607	931032	5.26%	0.392%
56	17.978	2594	2602	2606	rVV	12087813	17619321	99.58%	7.426%
57	18.043	2606	2613	2616	rVV	11902295	16788614	94.88%	7.076%
58	18.084	2616	2620	2625	rVB	7608093	8549305	48.32%	3.603%
59	18.254	2644	2649	2653	rBV	3577259	4679667	26.45%	1.972%
60	18.301	2653	2657	2663	rVB	2044073	2451566	13.86%	1.033%
61	18.366	2663	2668	2669	rBV3	439815	615081	3.48%	0.259%
62	18.395	2669	2673	2676	rVV	2424206	2885571	16.31%	1.216%
63	18.430	2676	2679	2683	rVB	972956	1168809	6.61%	0.493%
64	18.495	2686	2690	2692	rBV2	351683	495010	2.80%	0.209%
65	18.677	2717	2721	2728	rBV4	289576	530901	3.00%	0.224%
66	18.748	2729	2733	2736	rBV	640714	865773	4.89%	0.365%
67	18.830	2739	2747	2756	rVB2	7353011	17694417	100.00%	7.458%
68	18.912	2756	2761	2765	rBV	2376739	2737195	15.47%	1.154%
69	18.965	2766	2770	2775	rBV	533146	802061	4.53%	0.338%
70	19.036	2776	2782	2788	rBV4	3632925	5508309	31.13%	2.322%
71	19.124	2789	2797	2802	rVB2	8644854	14337074	81.03%	6.043%

LSC Area Percent Report

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Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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	19.182	2802	2807	2812	rBV	5542933	6115320	34.56%	2.577%
73	19.247	2815	2818	2823	rVB	743860	839181	4.74%	0.354%
74	19.306	2824	2828	2830	rBV2	1075389	1367577	7.73%	0.576%
75	19.376	2835	2840	2844	rVB2	1765344	2313661	13.08%	0.975%
76	19.453	2850	2853	2857	rVB	1071944	1225348	6.93%	0.516%
77	19.506	2858	2862	2864	rVV2	601057	799393	4.52%	0.337%
78	19.535	2864	2867	2868	rVV	806404	835607	4.72%	0.352%
79	19.570	2868	2873	2877	rVB	11301253	14245421	80.51%	6.004%
80	19.688	2889	2893	2897	rBV2	839226	1154452	6.52%	0.487%
81	19.729	2897	2900	2905	rVB3	726825	841710	4.76%	0.355%
82	19.776	2906	2908	2911	rVB3	250586	240823	1.36%	0.102%
83	19.829	2912	2917	2921	rBV2	6286963	7440623	42.05%	3.136%
84	19.887	2921	2927	2931	rVV	7113916	8038420	45.43%	3.388%
85	19.952	2936	2938	2945	rVB3	500033	567136	3.21%	0.239%
86	20.028	2948	2951	2959	rVB4	827672	1193884	6.75%	0.503%
87	20.117	2961	2966	2969	rBV	5885247	6444789	36.42%	2.716%
88	20.164	2969	2974	2976	rVV	2332640	2763518	15.62%	1.165%
89	20.187	2976	2978	2983	rVV	810781	964098	5.45%	0.406%
90	20.258	2985	2990	2994	rVB4	642487	1188945	6.72%	0.501%
91	20.428	3011	3019	3026	rBV	4235888	8099878	45.78%	3.414%
92	20.569	3041	3043	3050	rVB4	571561	777944	4.40%	0.328%
93	20.734	3067	3071	3075	rBV2	1239399	1431879	8.09%	0.604%
94	20.804	3079	3083	3086	rBV3	885176	1492427	8.43%	0.629%
95	20.833	3086	3088	3092	rVB	1012410	1189559	6.72%	0.501%
96	20.986	3111	3114	3117	rBV2	945115	1134946	6.41%	0.478%
97	21.033	3118	3122	3128	rVV	5711798	6966784	39.37%	2.936%
98	21.133	3136	3139	3144	rVB3	1763346	2104006	11.89%	0.887%
99	21.497	3197	3201	3208	rVB2	1938002	2931900	16.57%	1.236%
100	22.649	3394	3397	3400	rBV3	1597611	1986508	11.23%	0.837%

Sum of corrected areas: 237258666

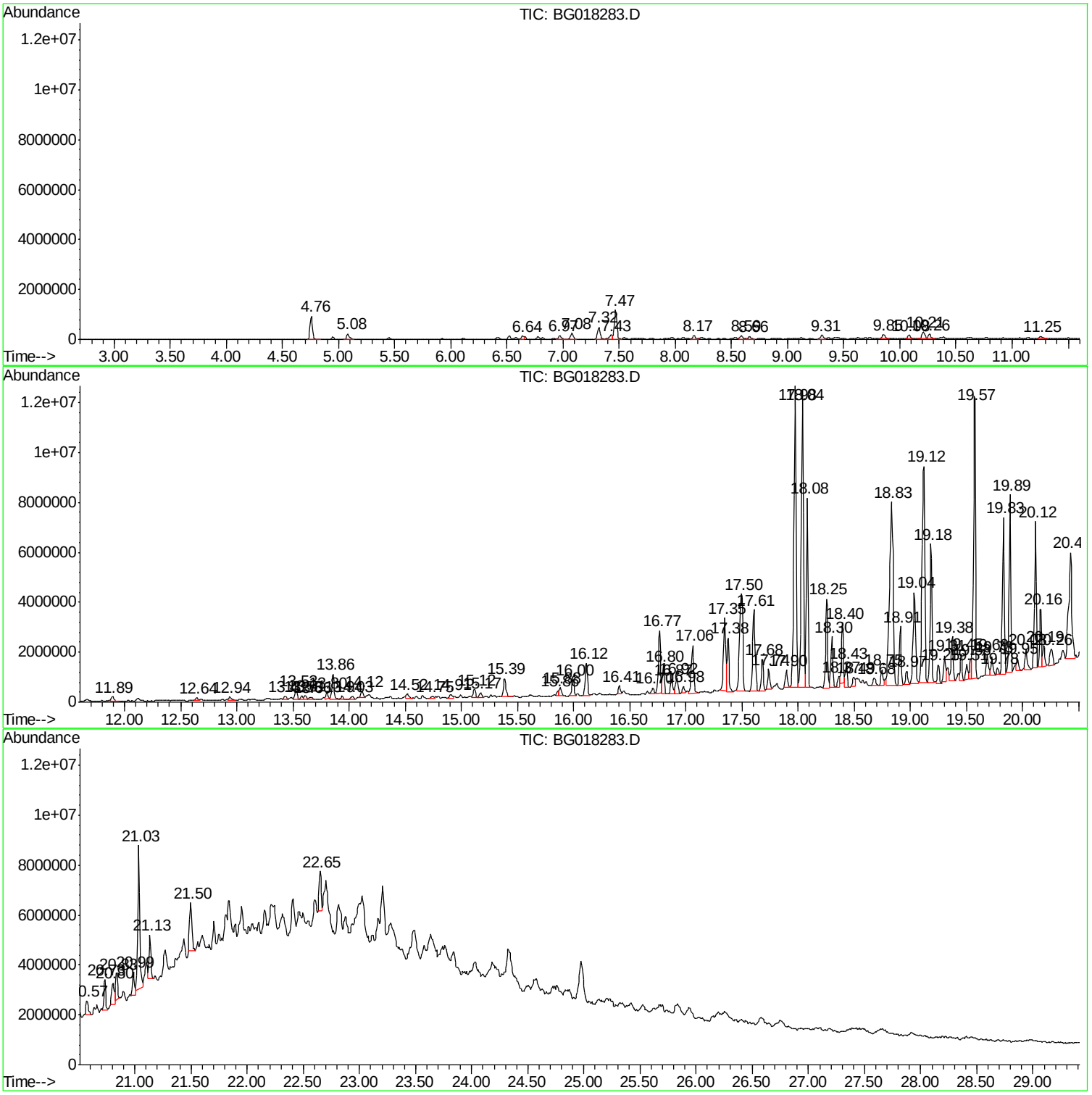
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018283.D
Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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 : BG018283.D
Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

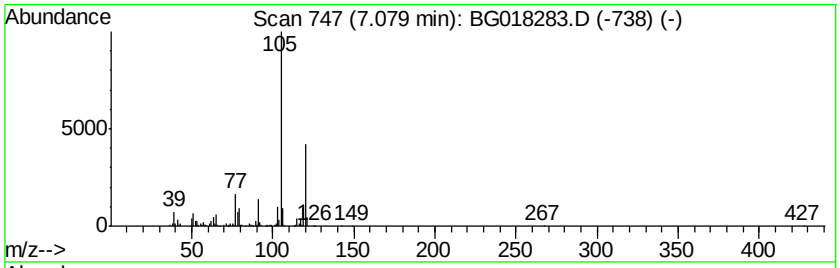
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

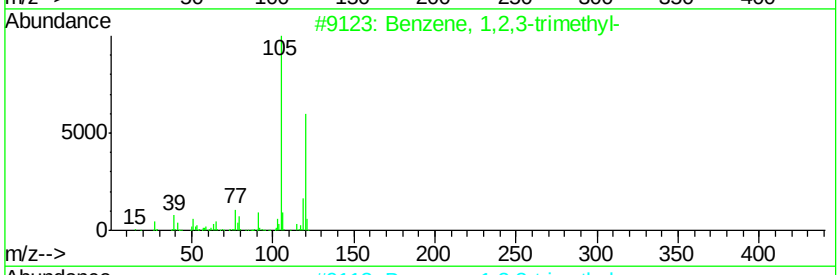
****

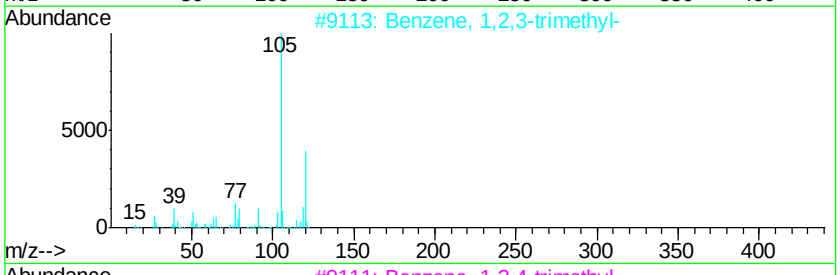
Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 32

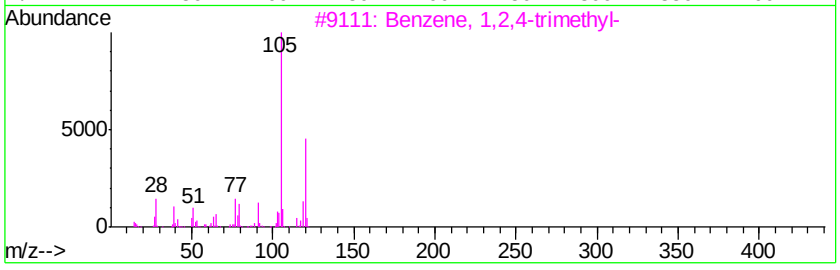
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	25.40 ng/ul	413289	1,4-Dichlorobenzene-d4	7.43

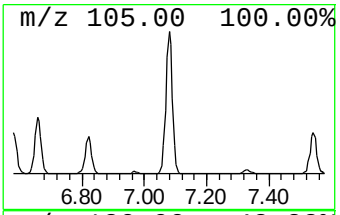
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91

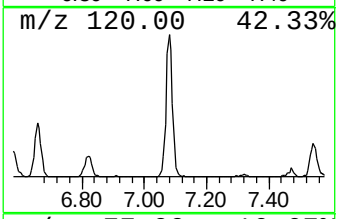


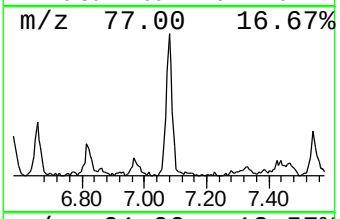


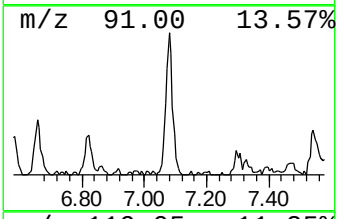


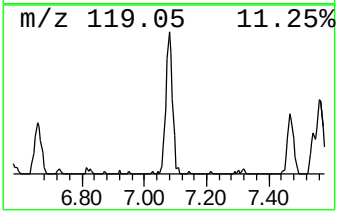












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Instrument : BNA_G
ClientSampleId : C01P9

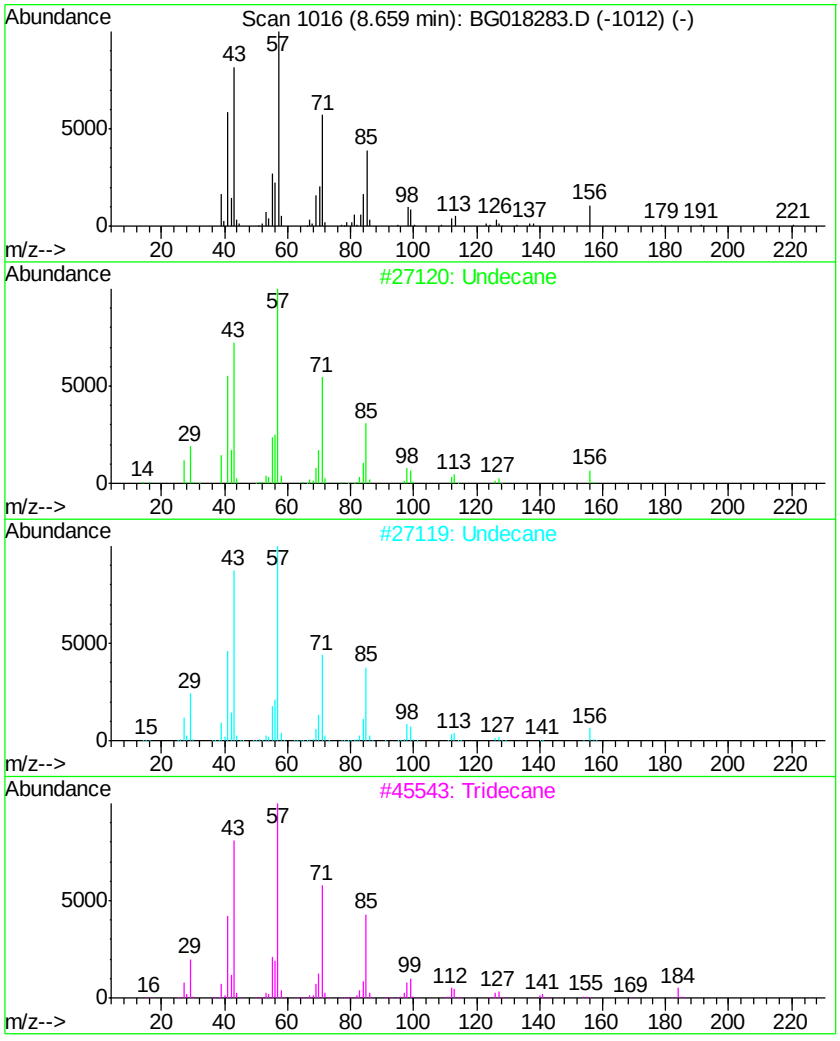
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

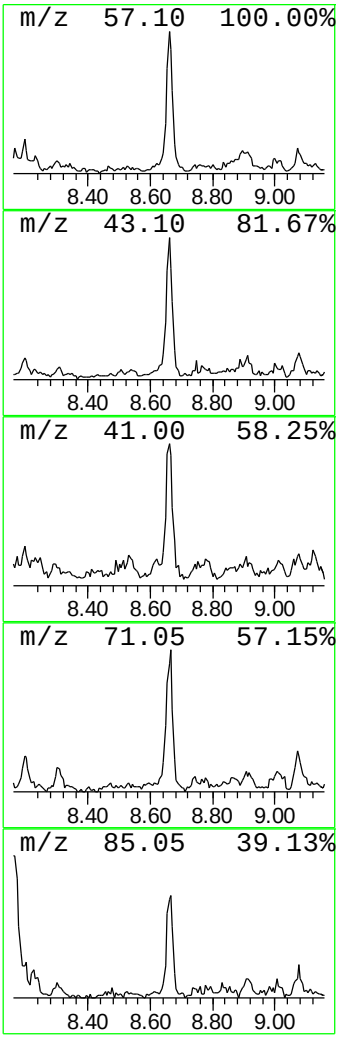
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.66	11.05 ng/ul	179876	1,4-Dichlorobenzene-d4	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	95
2	Undecane	156	C11H24	001120-21-4	81
3	Tridecane	184	C13H28	000629-50-5	80
4	Undecane	156	C11H24	001120-21-4	80
5	Tridecane	184	C13H28	000629-50-5	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018283.D
Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

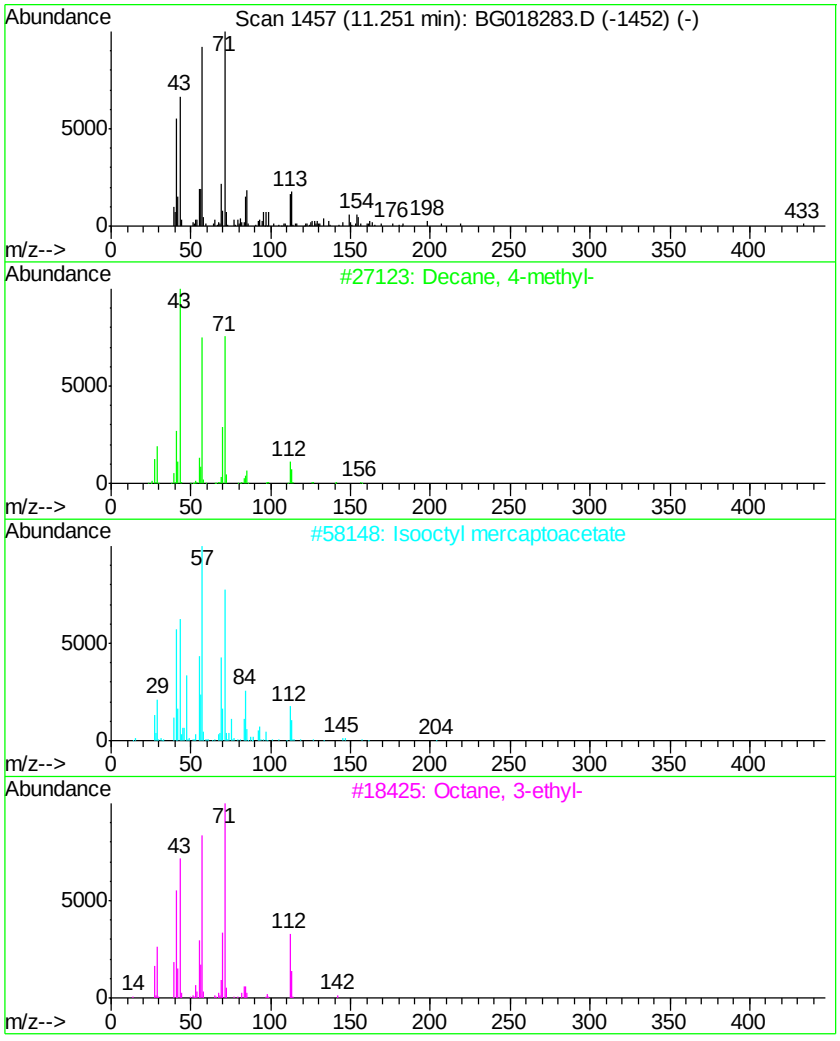
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

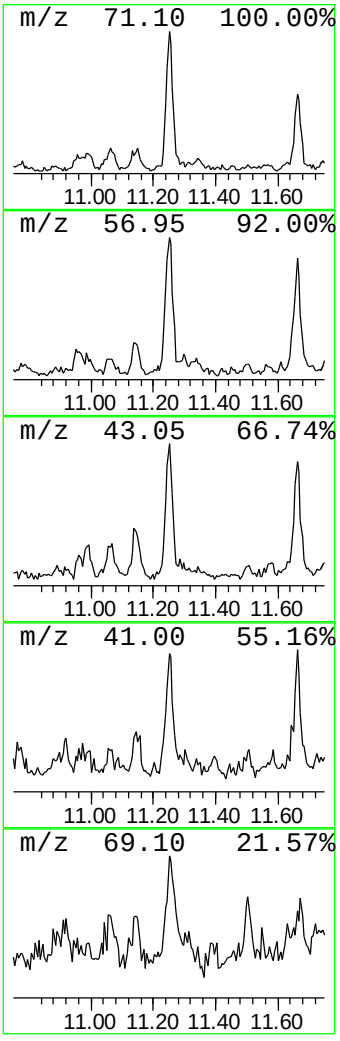
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	8.14 ng/ul	218809	Naphthalene-d8	10.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	80
2	Isooctyl mercaptoacetate	204	C10H20O2S	025103-09-7	72
3	Octane, 3-ethyl-	142	C10H22	005881-17-4	72
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
5	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	50





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Data File : BG018283.D
Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

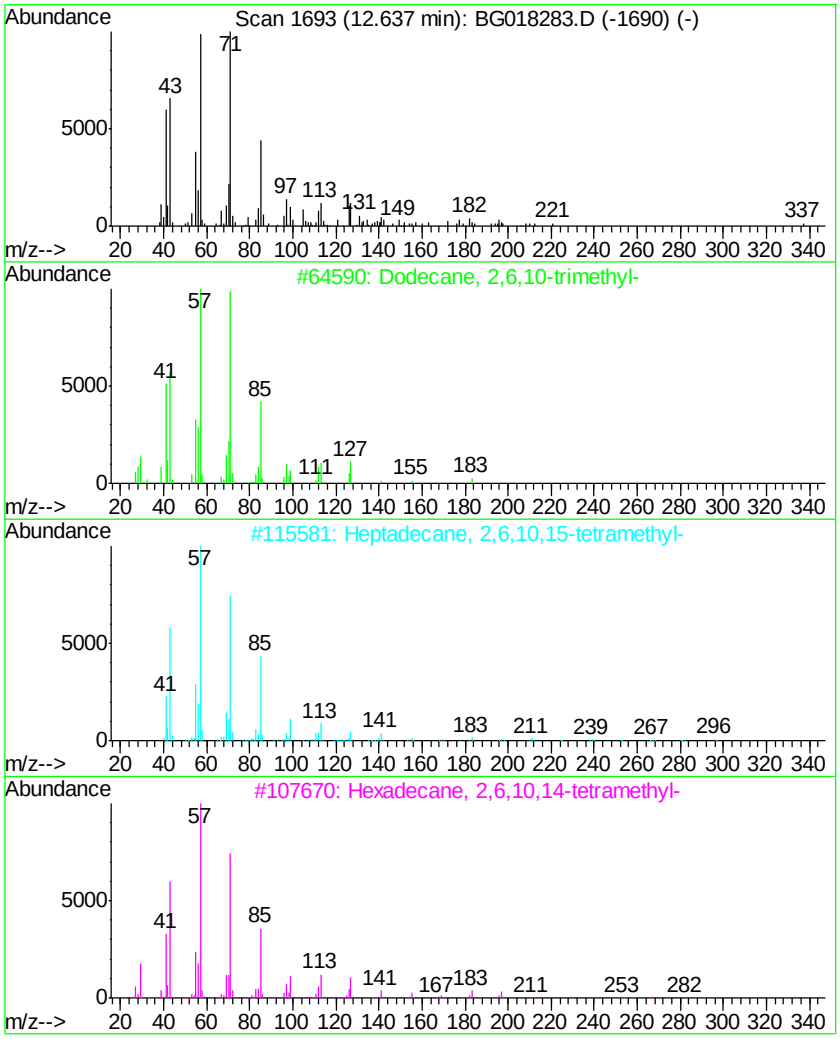
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

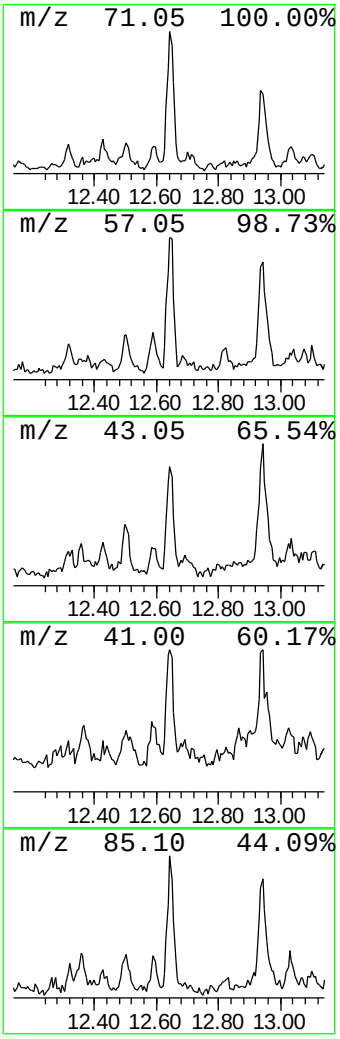
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	8.91 ng/ul	182870	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78
4	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	59
5	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	58





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Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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Quant Title : SVOA CALIBRATION

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

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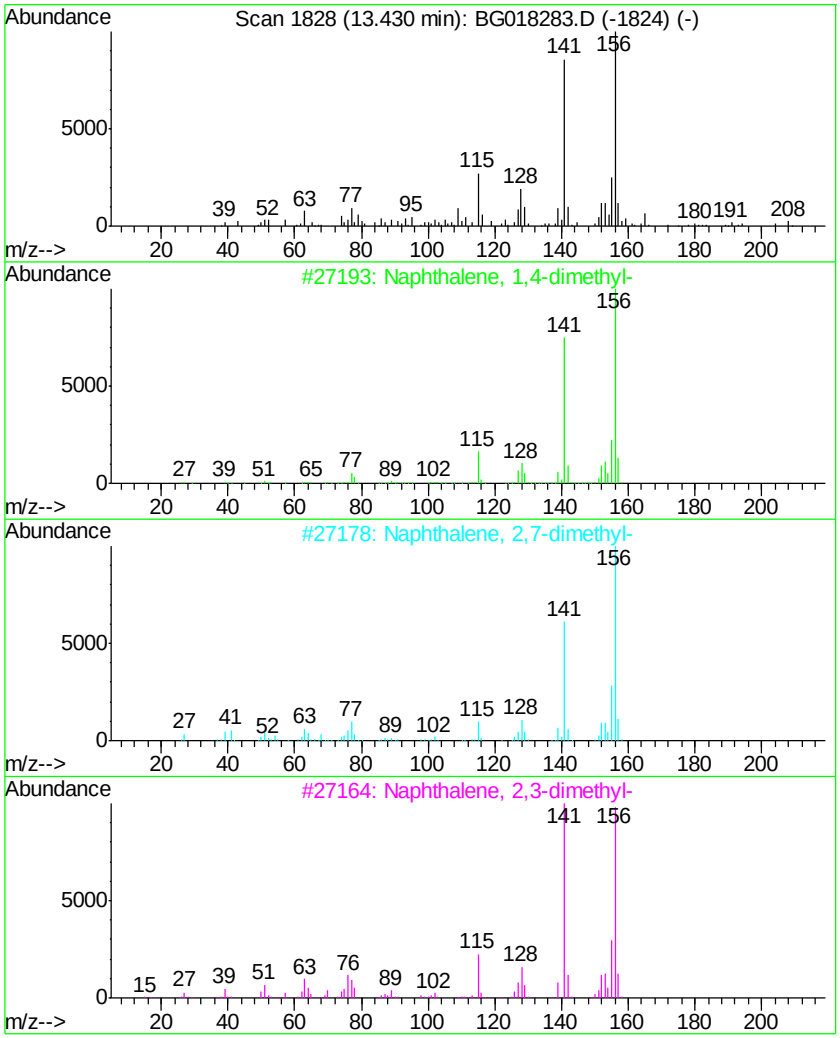
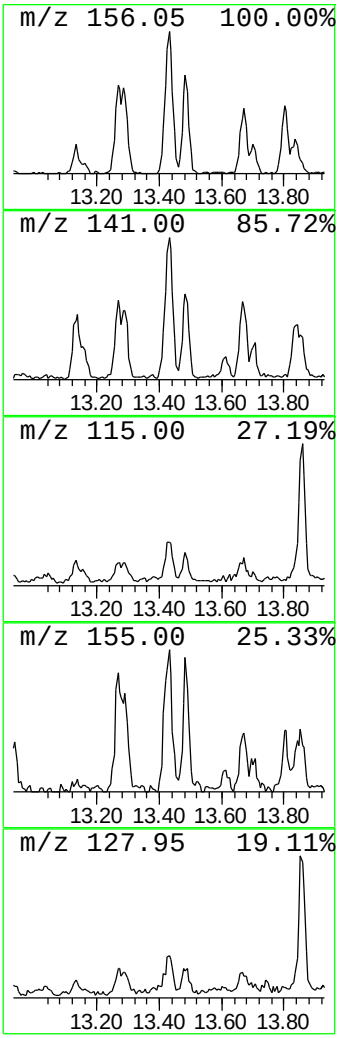
Peak Number 10 Naphthalene, 1,4-dimethyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	8.70 ng/ul	178667	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





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Misc :
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Instrument : BNA_G
ClientSampleId : C01P9

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Quant Title : SVOA CALIBRATION

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

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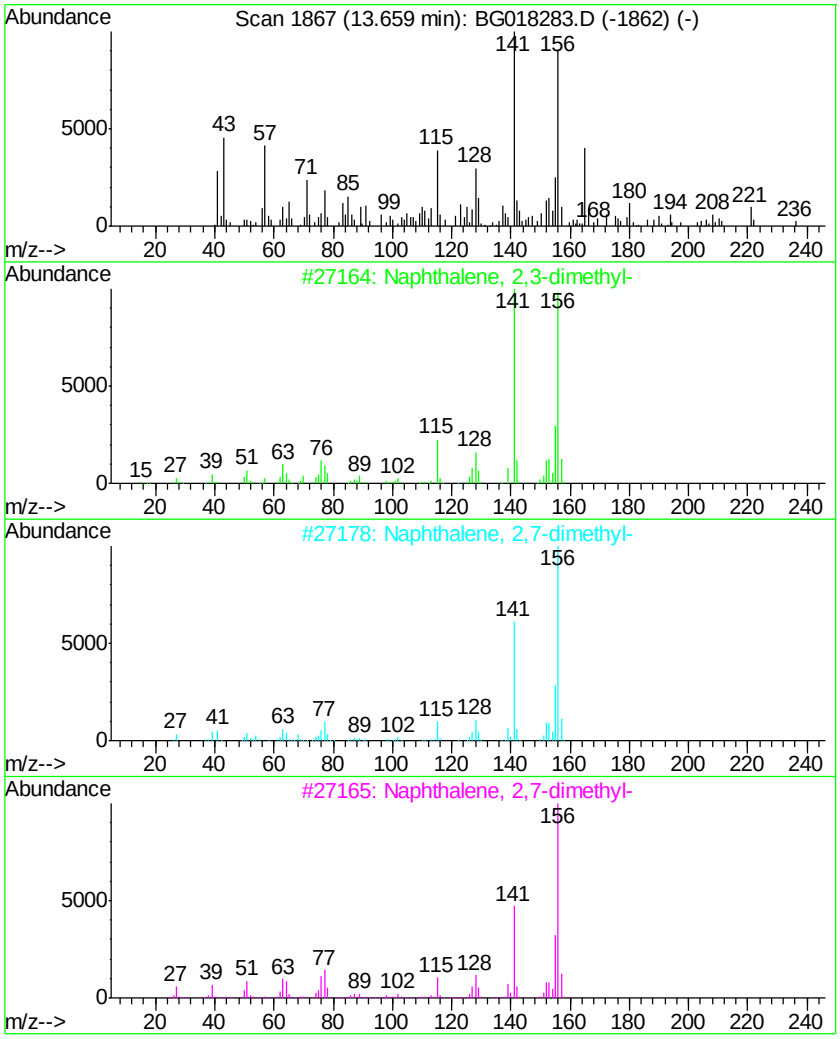
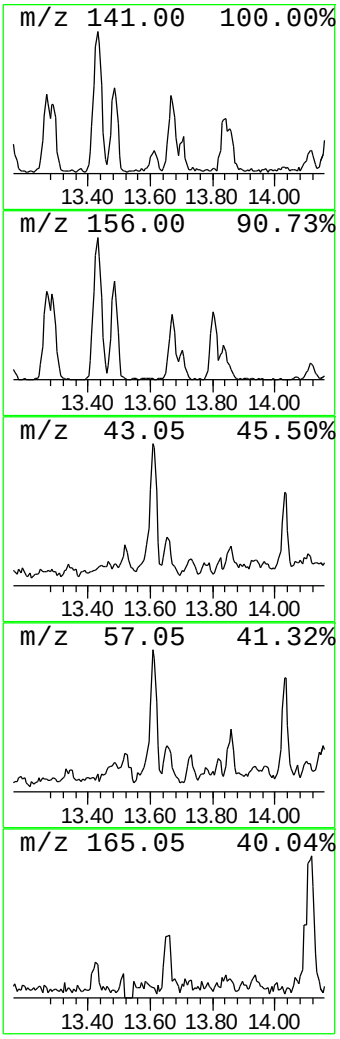
Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	8.98 ng/ul	184320	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	76
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	70
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	70
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	68
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	64





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Instrument : BNA_G
ClientSampleId : C01P9

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Quant Title : SVOA CALIBRATION

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

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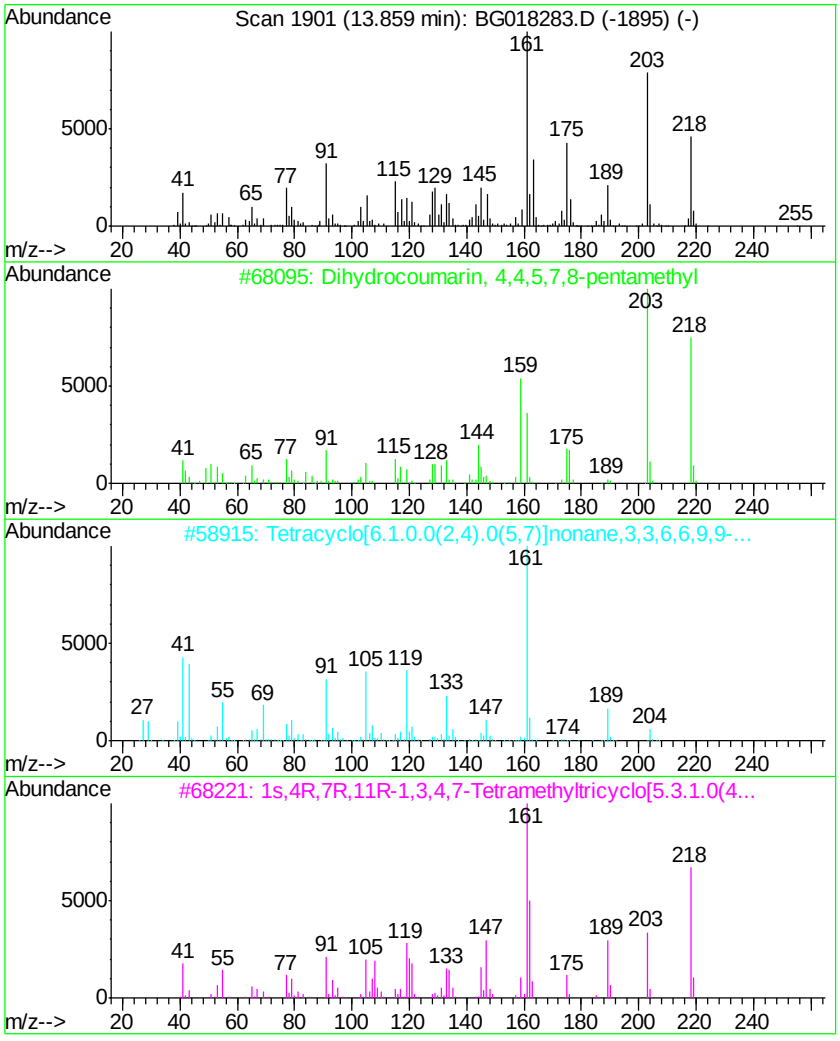
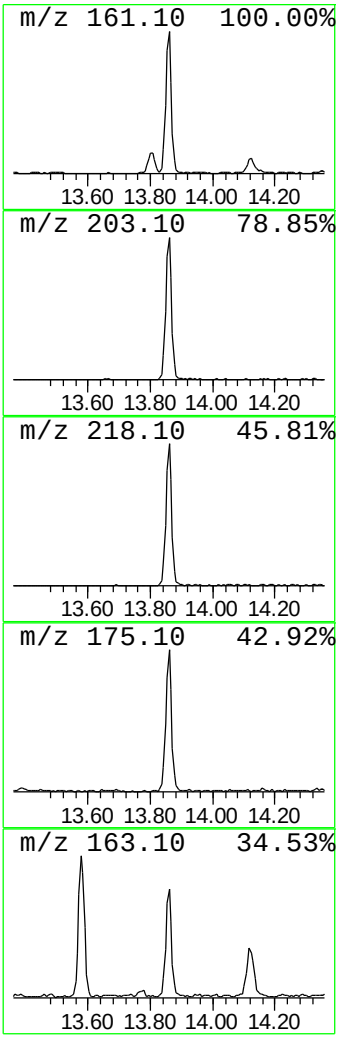
Peak Number 12 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	69.17 ng/ul	1419800	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dihydrocoumarin, 4,4,5,7,8-penta...	218	C14H18O2	039170-97-3	45
2	Tetracyclo[6.1.0.0(2,4).0(5,7)]n...	204	C15H24	051898-92-1	35
3	1s,4R,7R,11R-1,3,4,7-Tetramethyl...	218	C15H22O	137235-42-8	30
4	Furazan-3-amine, 4-(2-benzothiaz...	218	C9H6N4OS	346646-10-4	25
5	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	25





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Sample : G3109-13
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Instrument : BNA_G
ClientSampleId : C01P9

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Quant Title : SVOA CALIBRATION

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

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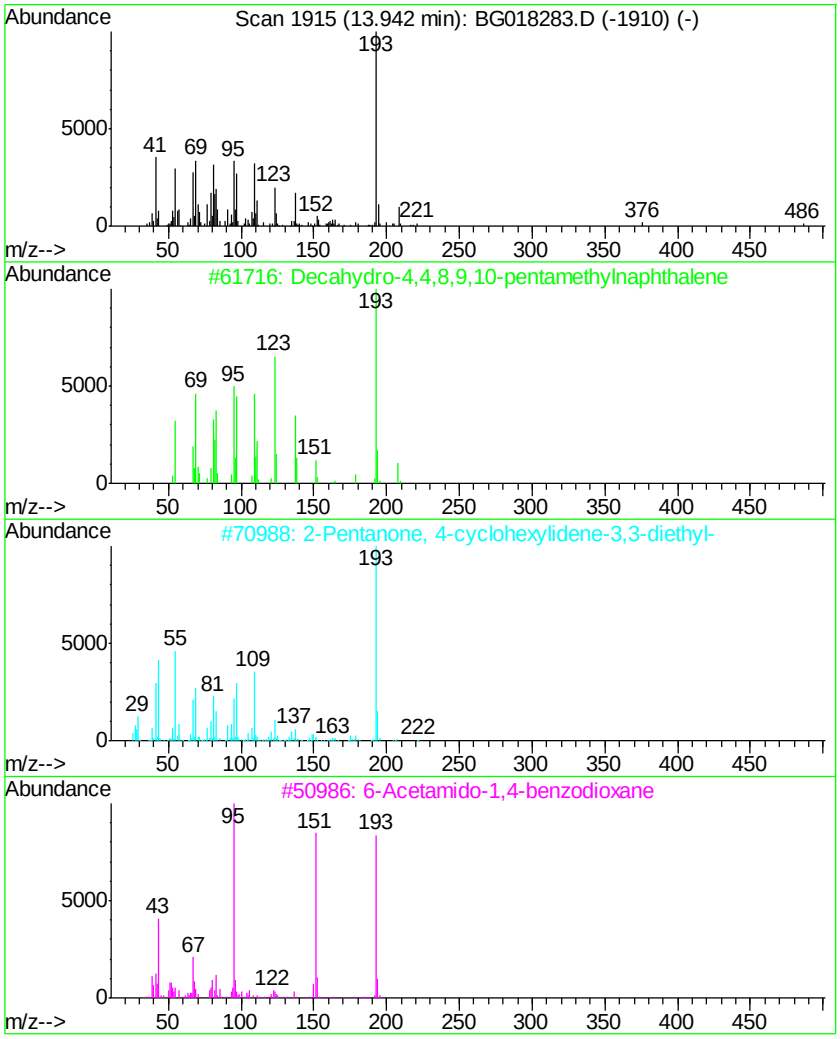
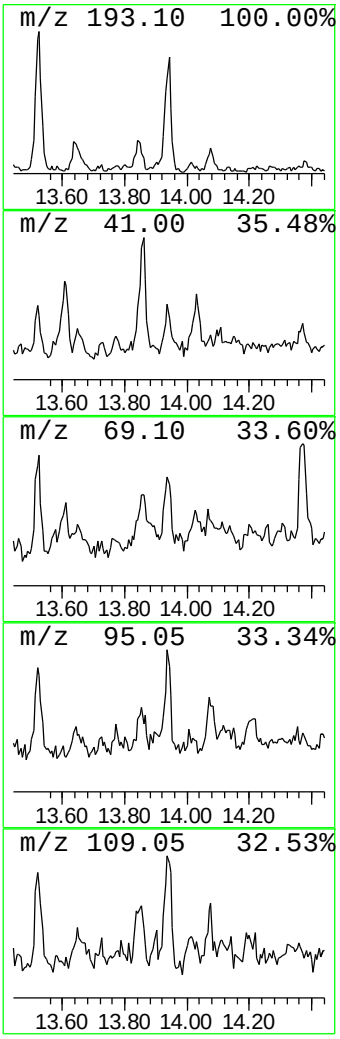
Peak Number 13 Decahydro-4,4,8,9,10-pentam... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	10.73 ng/ul	220295	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	89
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	50
3	6-Acetamido-1,4-benzodioxane	193	C10H11NO3	063546-19-0	49
4	2-Anthracenamine	193	C14H11N	000613-13-8	30
5	9-Phenanthrenamine	193	C14H11N	000947-73-9	22





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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Quant Title : SVOA CALIBRATION

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

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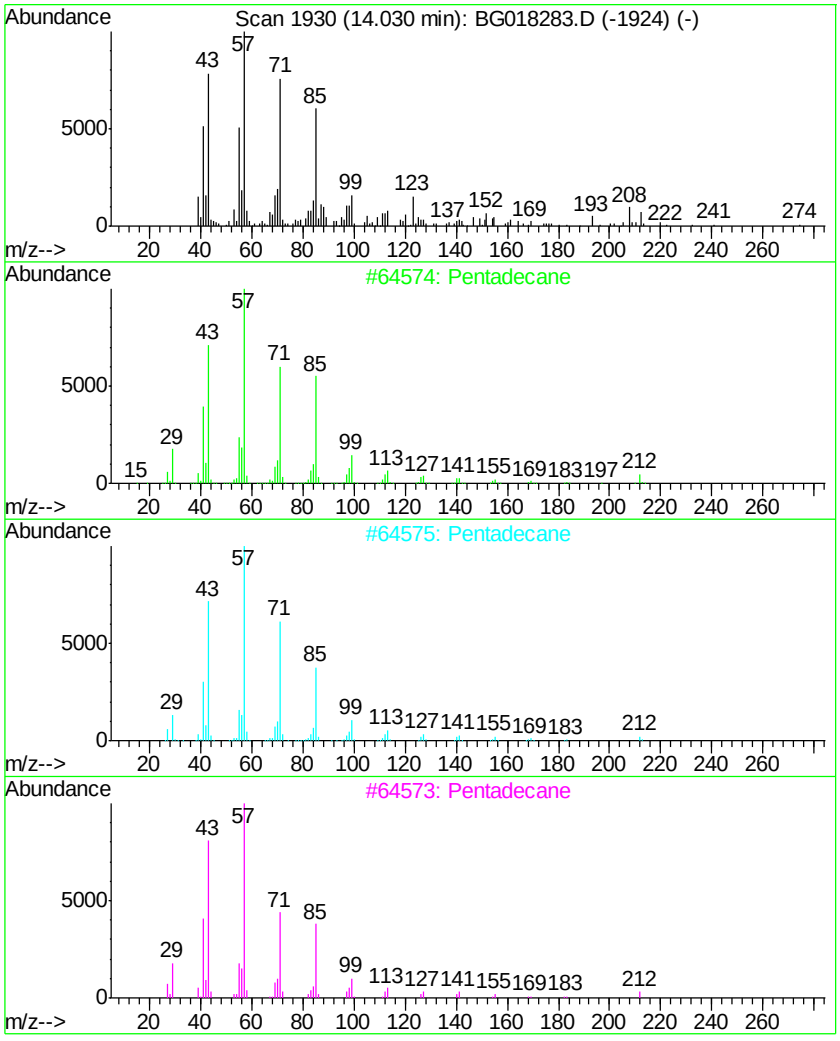
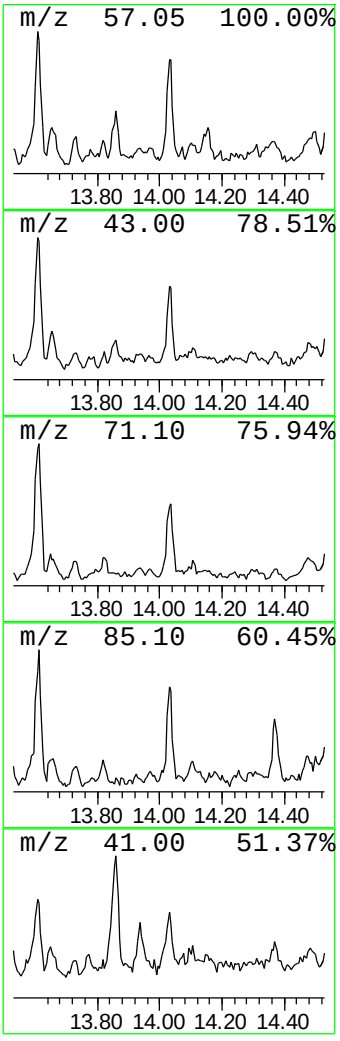
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	11.52 ng/ul	236558	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	96
2	Pentadecane	212	C15H32	000629-62-9	76
3	Pentadecane	212	C15H32	000629-62-9	76
4	Pentadecane	212	C15H32	000629-62-9	70
5	Nonadecane	268	C19H40	000629-92-5	64





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Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId : C01P9

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Quant Title : SVOA CALIBRATION

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

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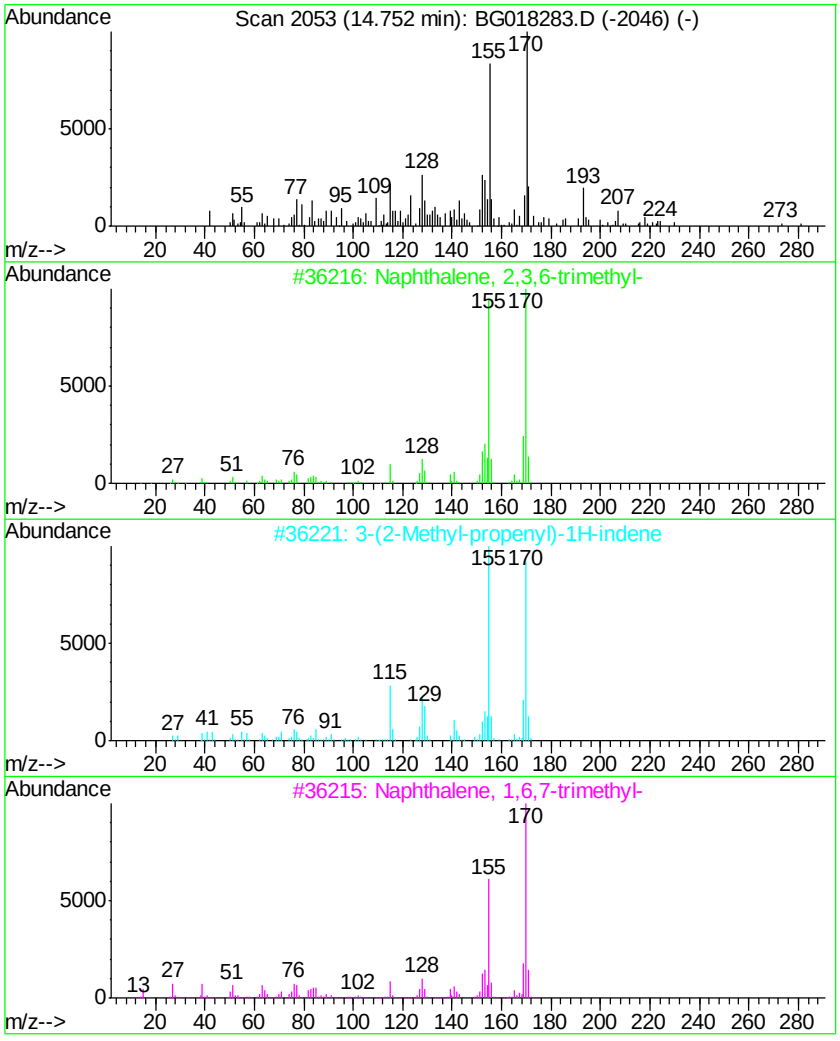
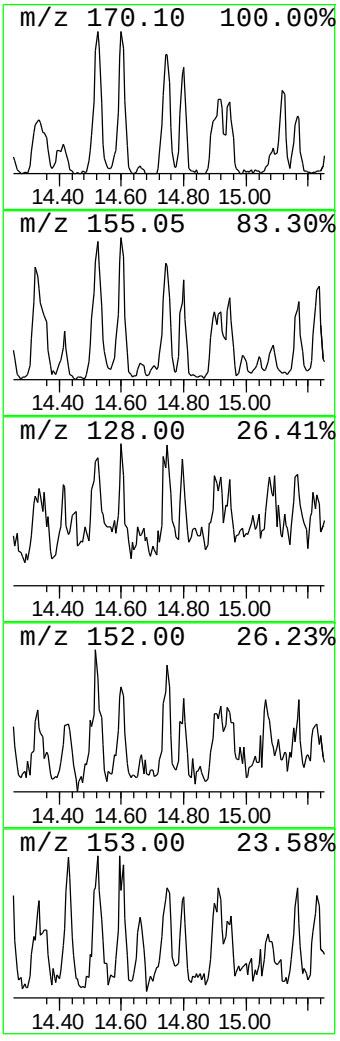
Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	9.58 ng/ul	196553	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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Quant Title : SVOA CALIBRATION

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

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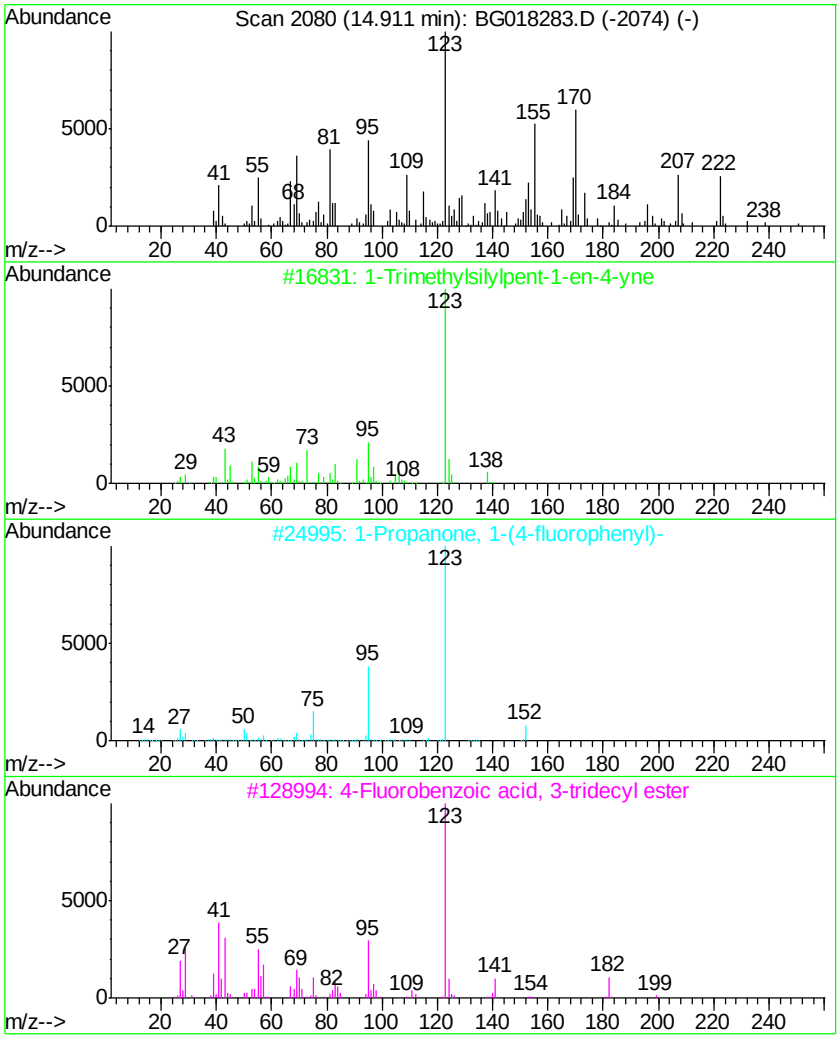
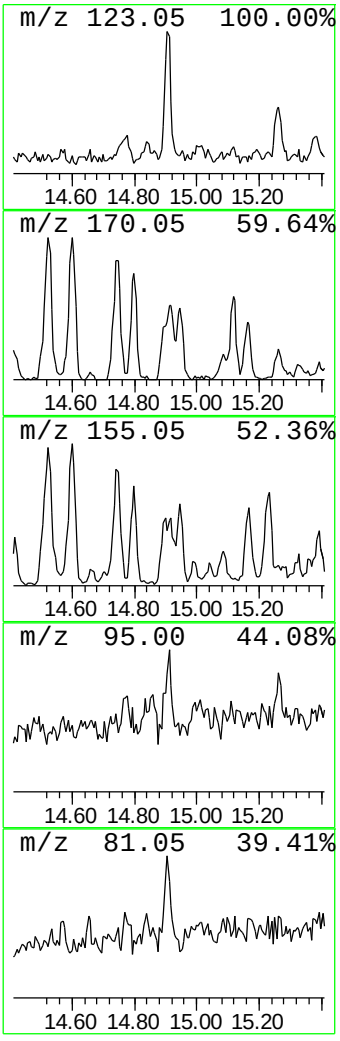
Peak Number 16 unknown-02 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	14.27 ng/ul	292892	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Trimethylsilylpent-1-en-4-yne	138	C8H14Si	079516-25-9	22
2	1-Propanone, 1-(4-fluorophenyl)-	152	C9H9FO	000456-03-1	22
3	4-Fluorobenzoic acid, 3-tridecyl...	322	C20H31FO2	1000280-67-9	22
4	2-(2-Hydroxycyclohexyl)-furan	166	C10H14O2	1000145-92-8	22
5	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	22





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Instrument : BNA_G
ClientSampleId : C01P9

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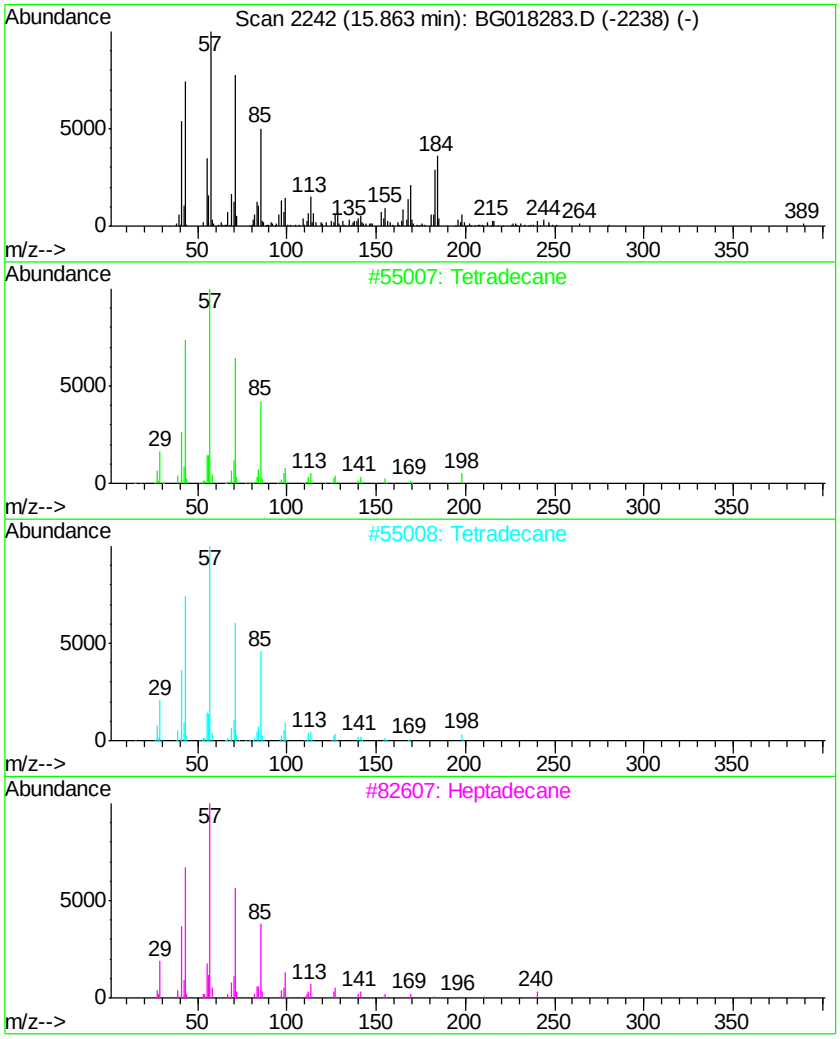
Quant Title : SVOA CALIBRATION

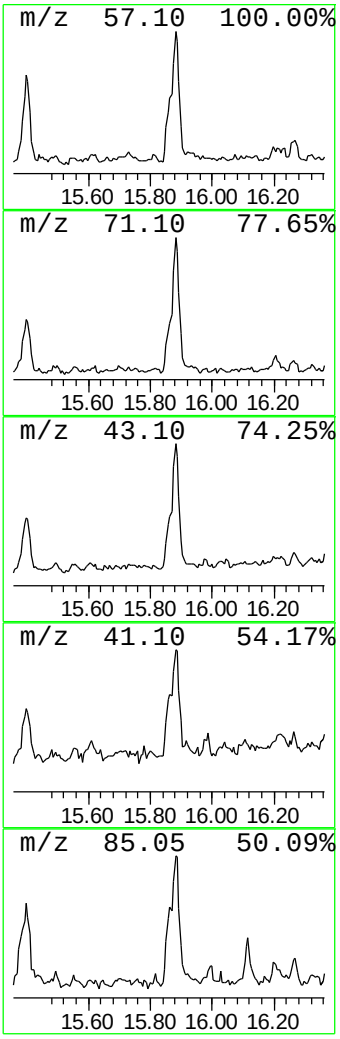
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	5.96 ng/ul	241466	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Tetradecane	198	C14H30	000629-59-4	91
3	Heptadecane	240	C17H36	000629-78-7	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	86





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Misc :
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Instrument : BNA_G
ClientSampleId : C01P9

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Quant Title : SVOA CALIBRATION

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

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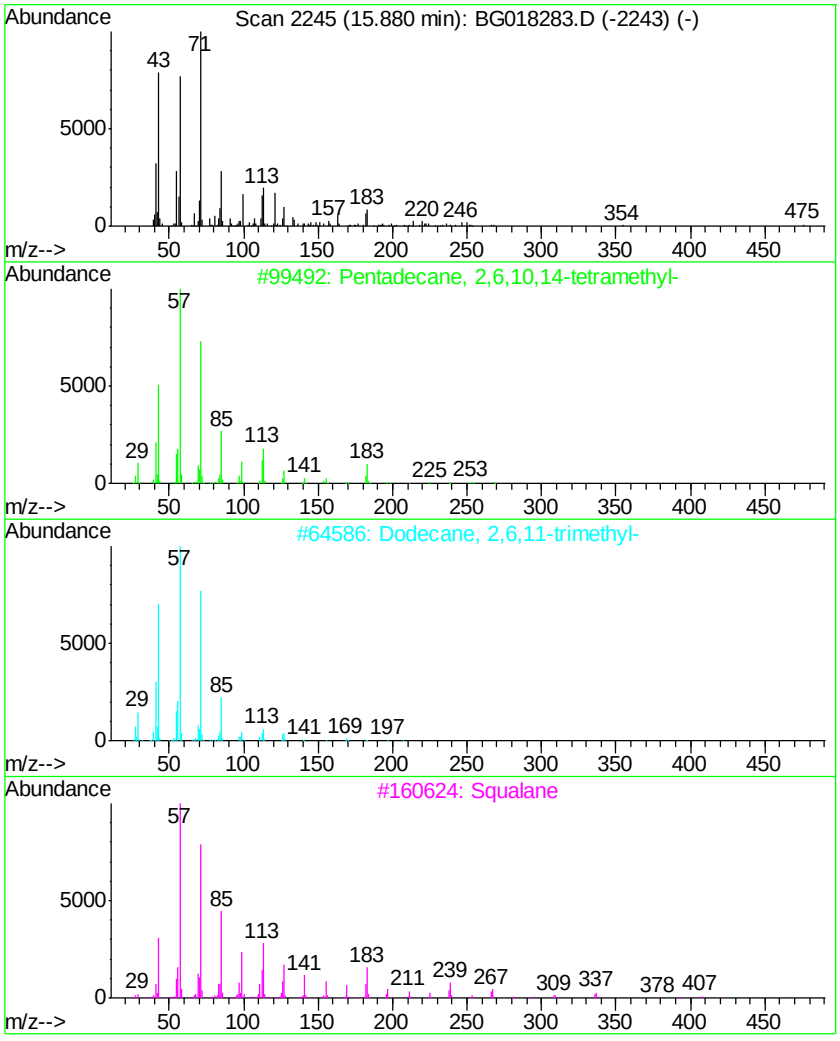
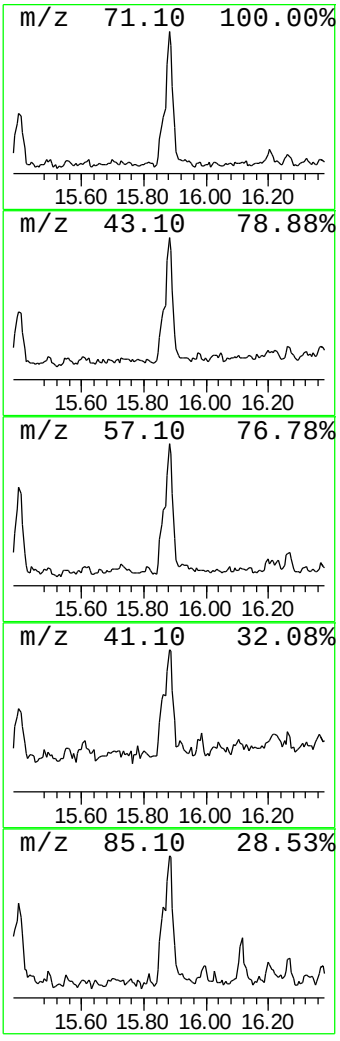
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	10.26 ng/ul	415591	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	83
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	53
3	Squalane	422	C30H62	000111-01-3	50
4	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	43
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	43





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Quant Title : SVOA CALIBRATION

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

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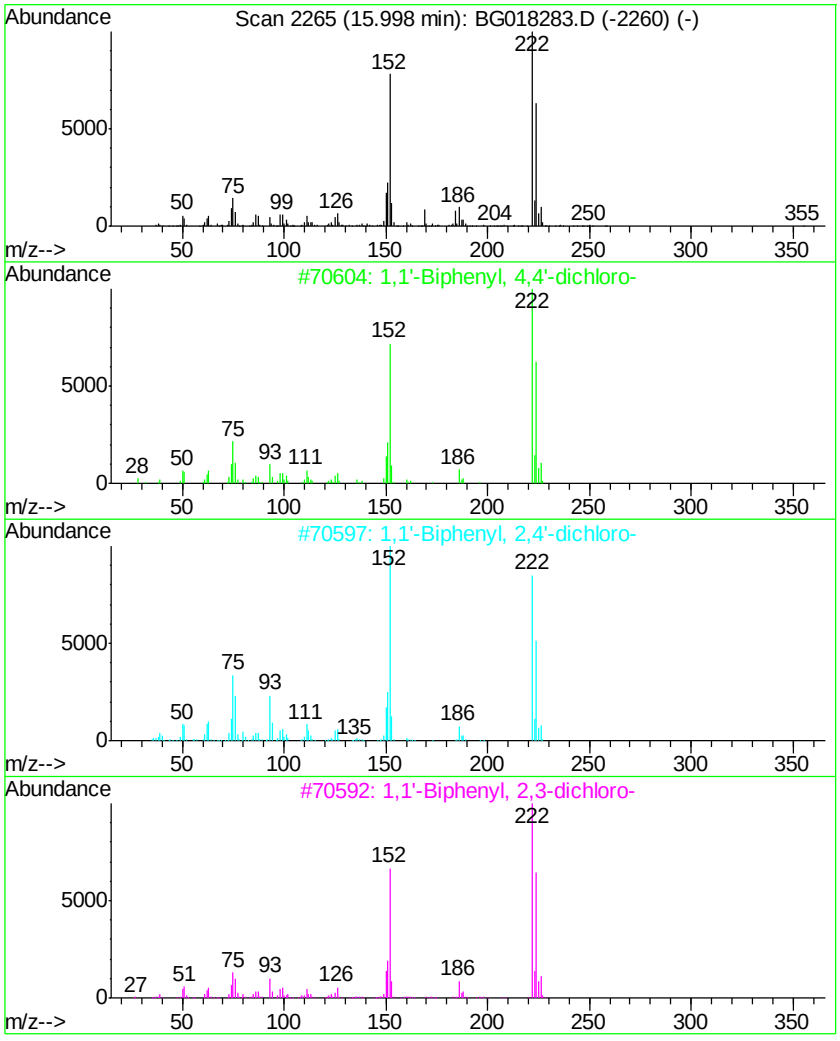
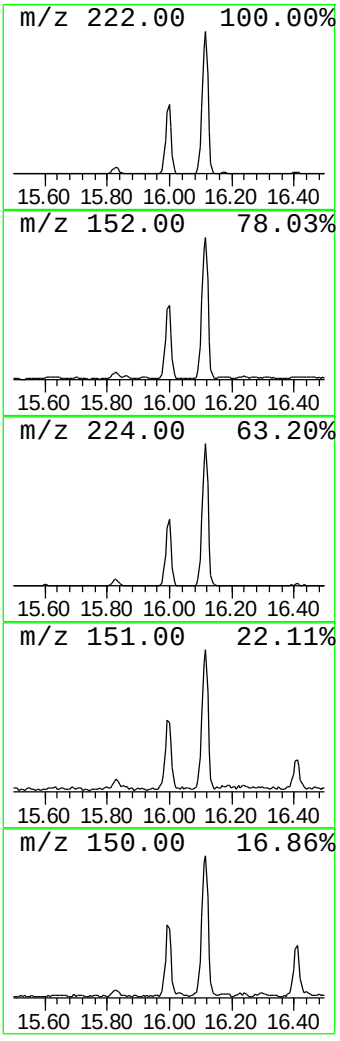
Peak Number 19 1,1'-Biphenyl, 4,4'-dichloro- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	20.33 ng/ul	823346	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	97
2	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	96
3	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	95
4	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	95
5	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	95





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ClientSampleId : C01P9

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Quant Title : SVOA CALIBRATION

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

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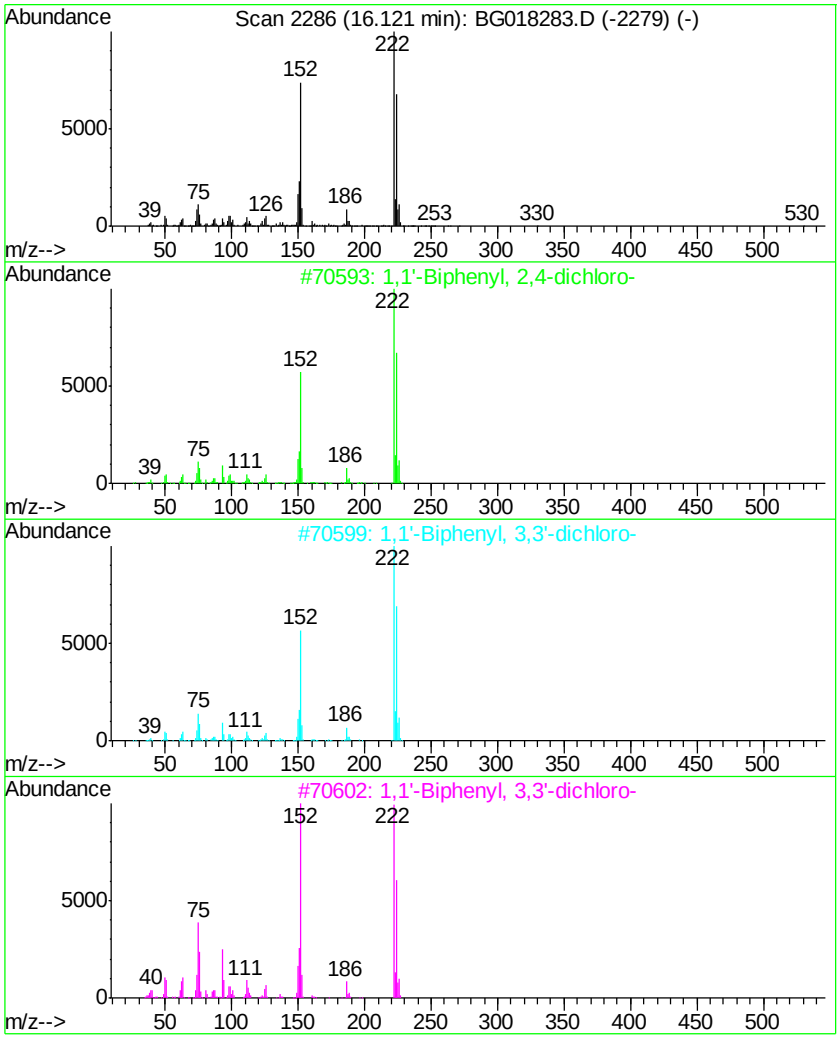
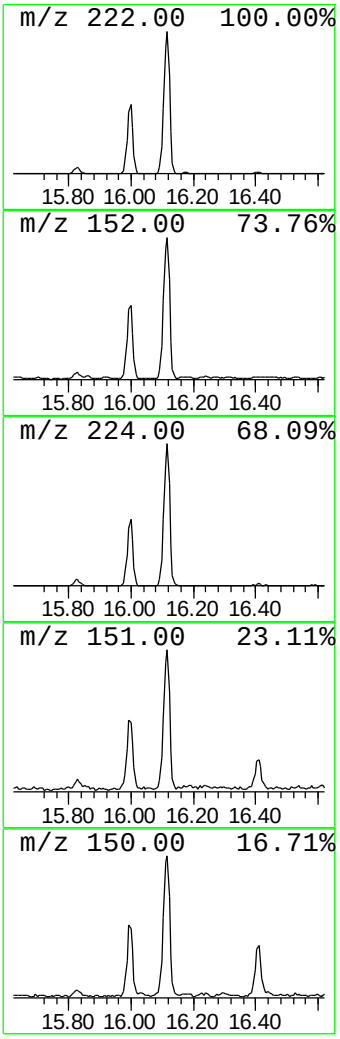
Peak Number 20 1,1'-Biphenyl, 2,4-dichloro- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	45.06 ng/ul	1825050	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	95
2	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	95
3	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	95
4	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	95
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	94





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

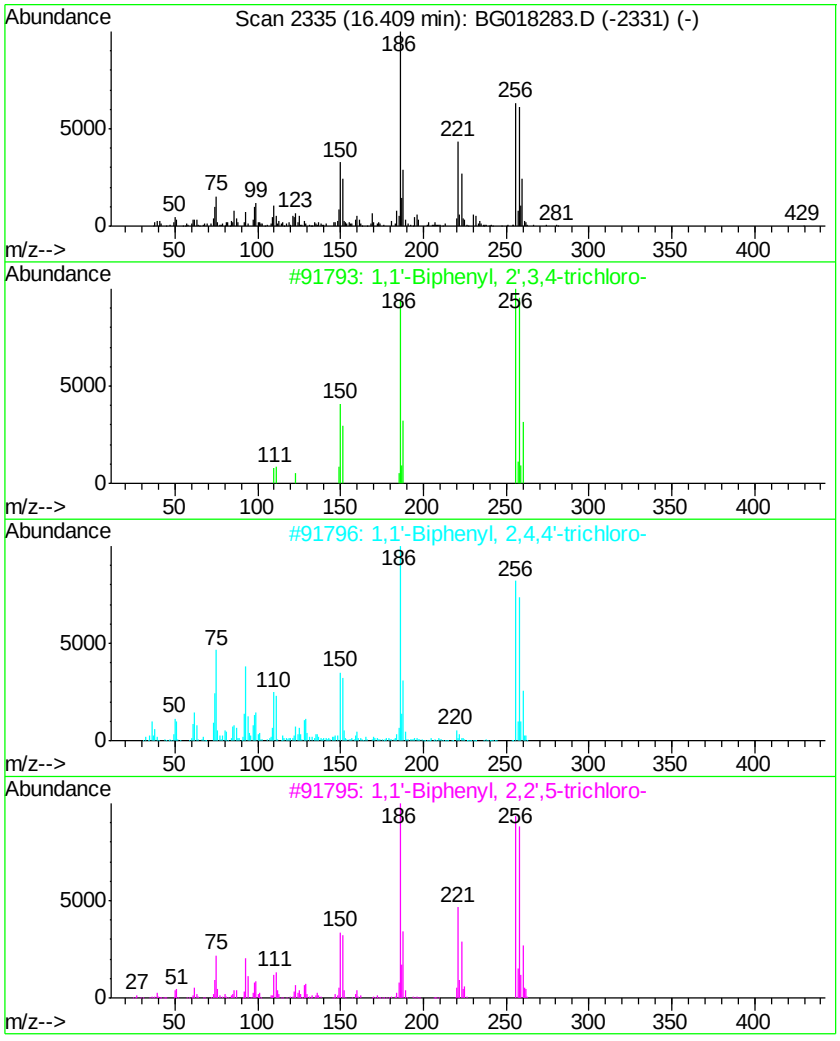
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

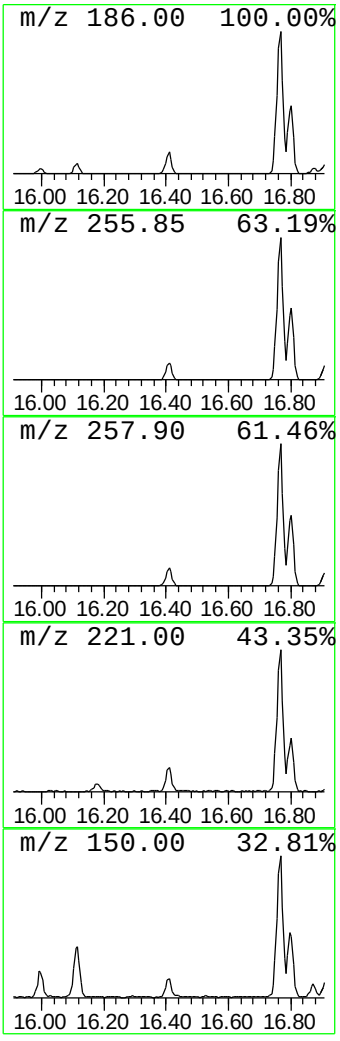
****

Peak Number 21 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	11.10 ng/ul	449767	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	97
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	94
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	93
4	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	93
5	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	93





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Data File : BG018283.D
Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

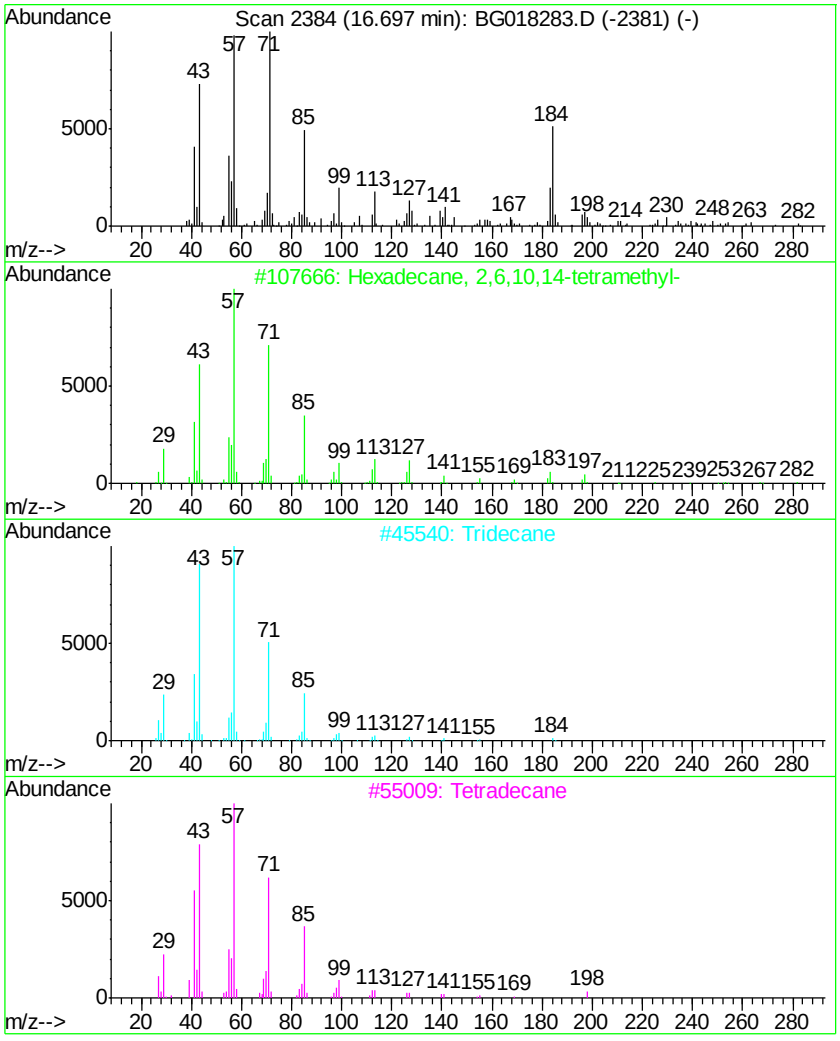
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

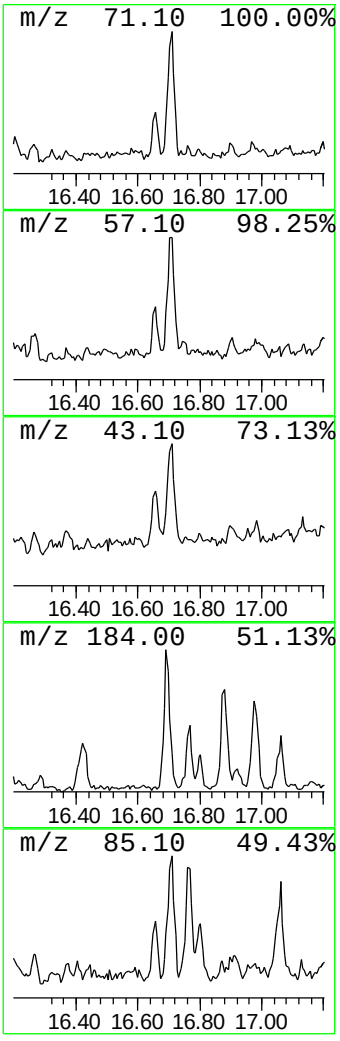
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	8.76 ng/ul	354647	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	93
2	Tridecane	184	C13H28	000629-50-5	68
3	Tetradecane	198	C14H30	000629-59-4	64
4	Tetradecane	198	C14H30	000629-59-4	62
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	60





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Data File : BG018283.D
Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

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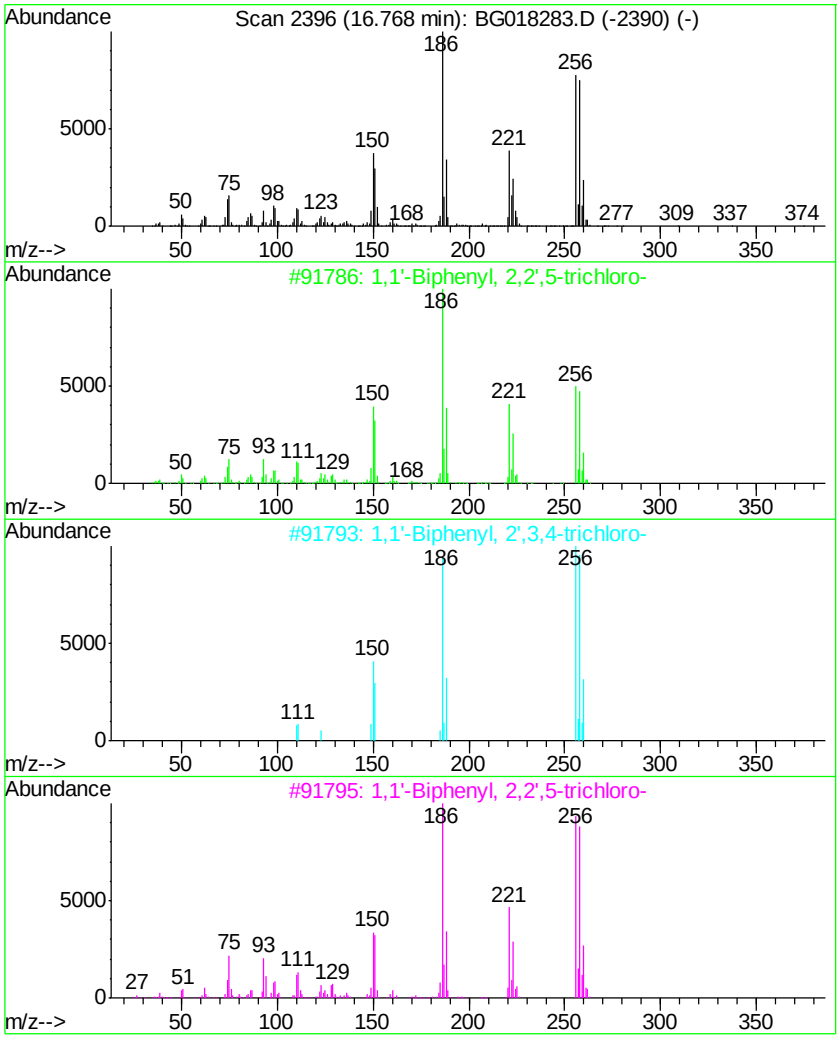
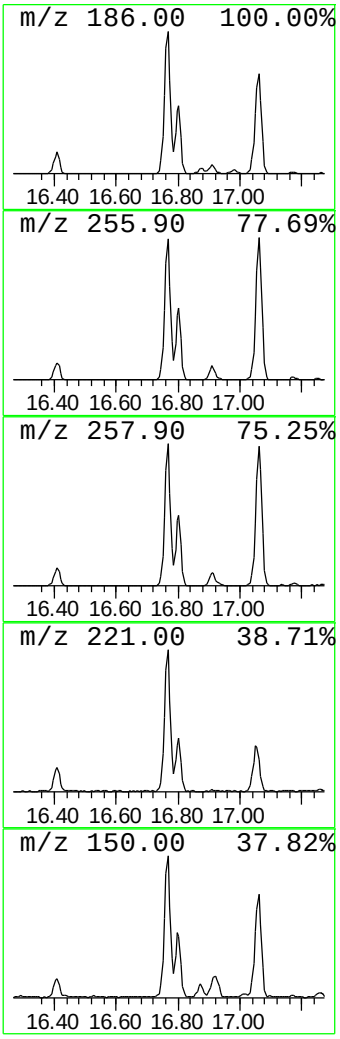
Peak Number 23 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	85.86 ng/ul	3477610	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	96
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	93
5	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	93





Library Search Compound Report

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Data File : BG018283.D
Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

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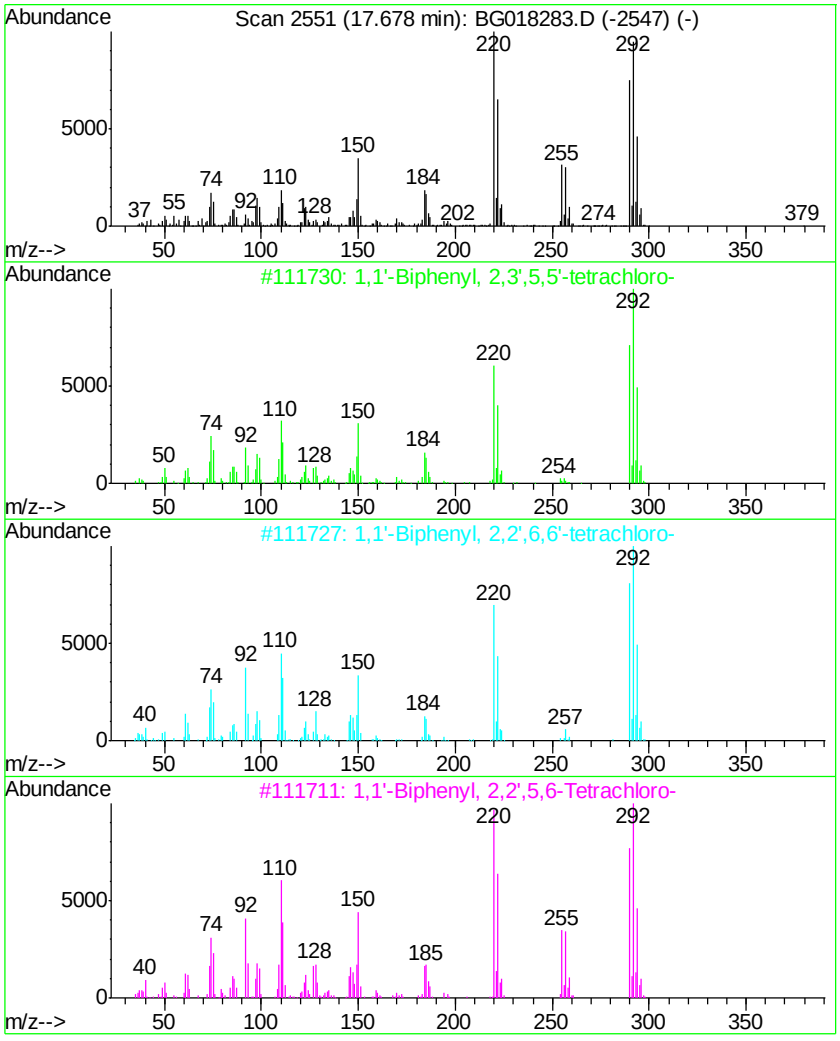
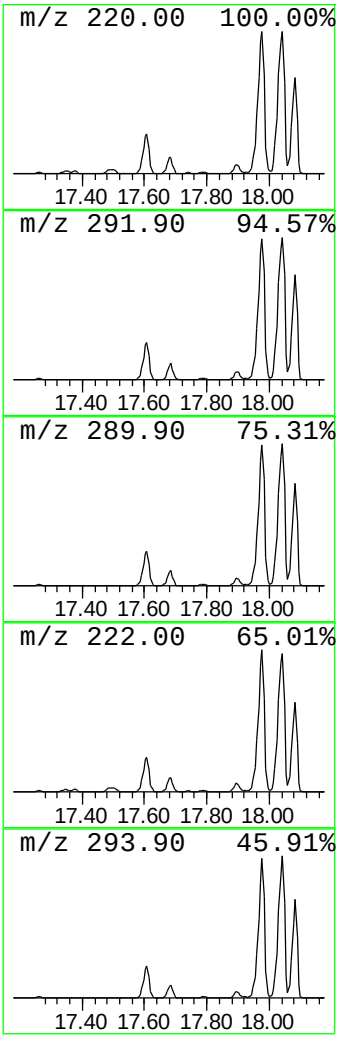
Peak Number 29 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	40.65 ng/ul	1646390	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





Library Search Compound Report

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Data File : BG018283.D
Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

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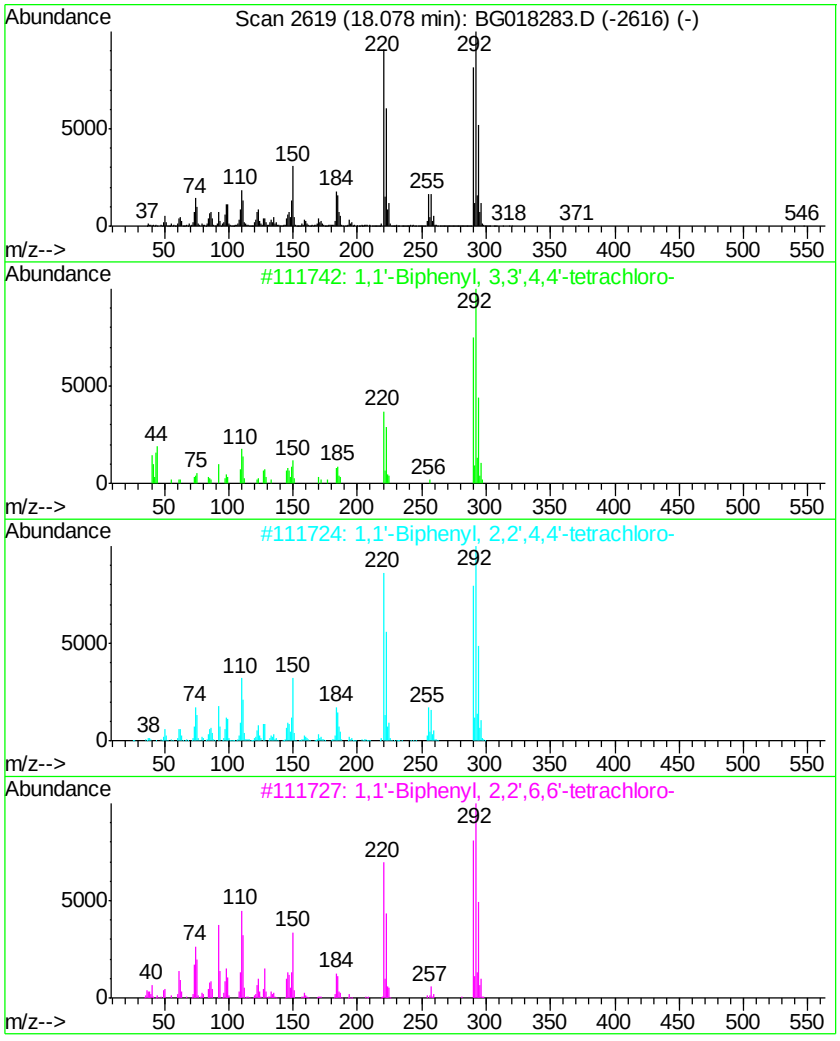
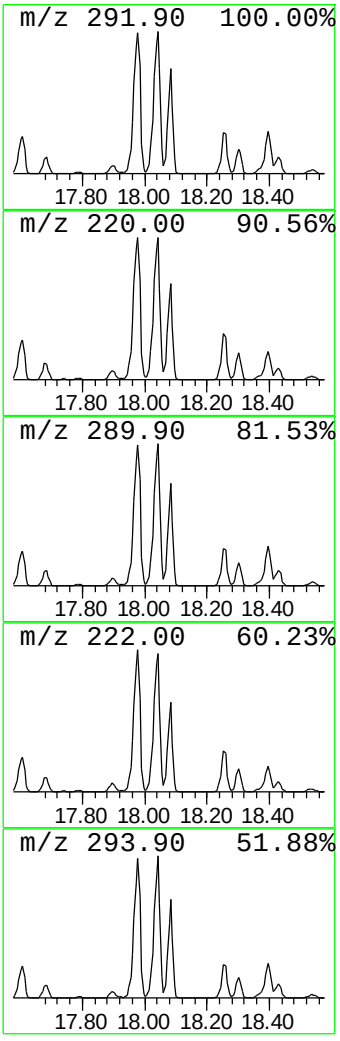
Peak Number 34 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	211.07 ng/ul	8549310	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98





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Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

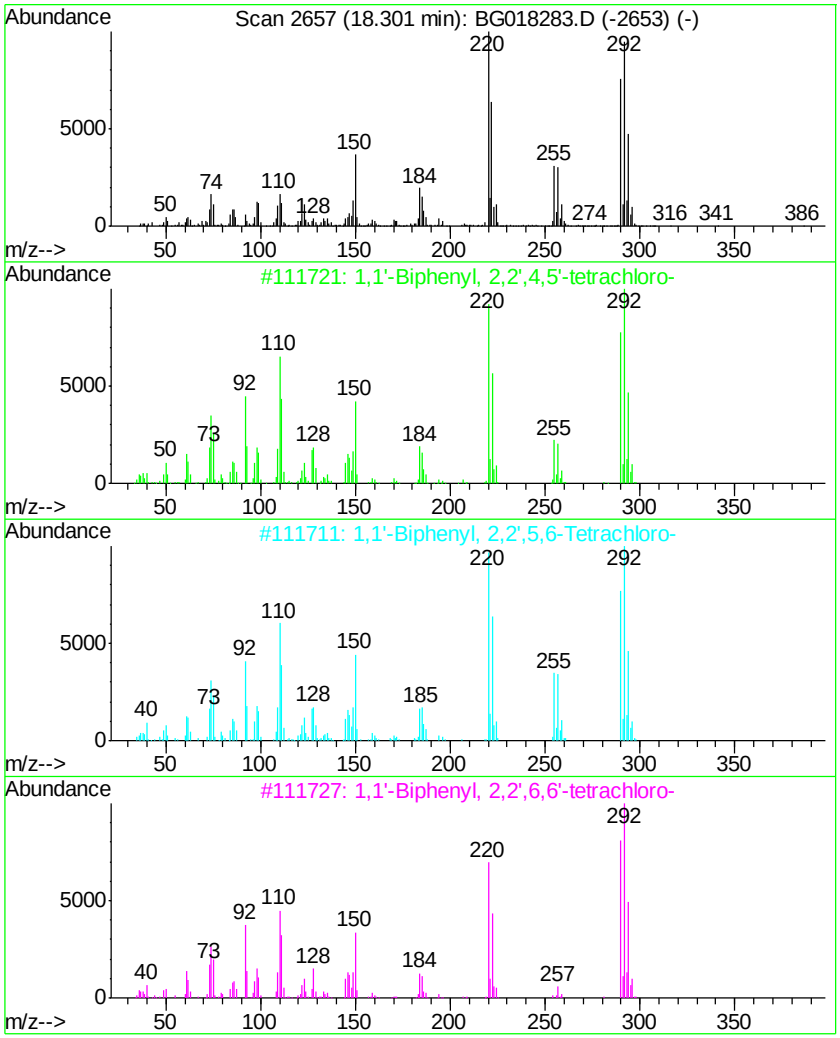
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

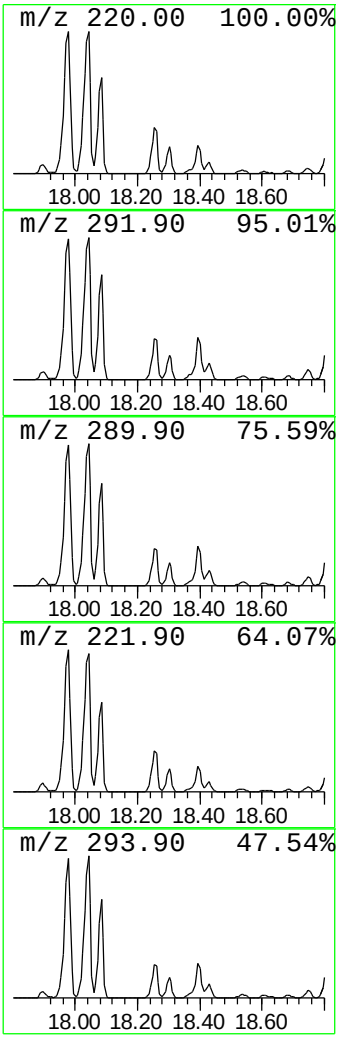
****

Peak Number 36 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	60.52 ng/ul	2451570	Phenanthrene-d10	16.88

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',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99





Library Search Compound Report

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Data File : BG018283.D
Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

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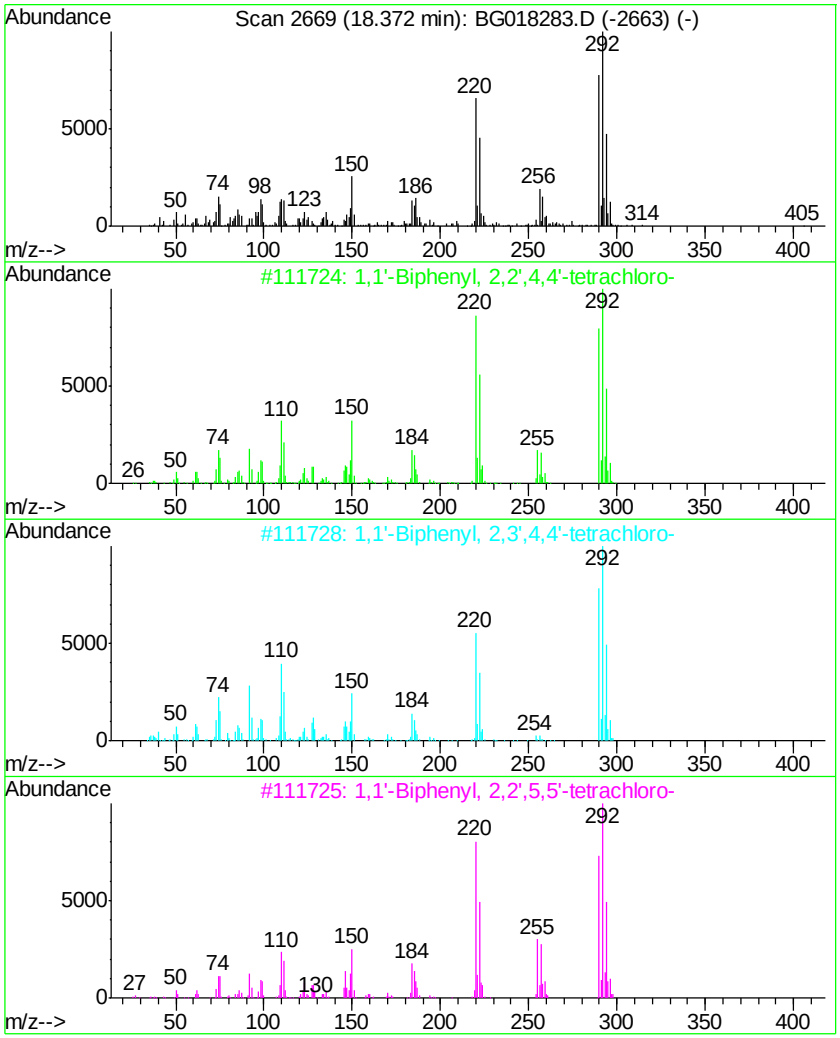
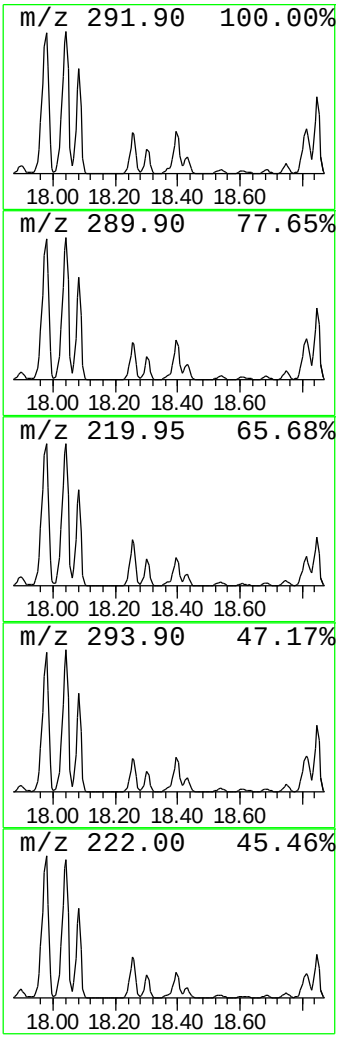
Peak Number 37 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	15.19 ng/ul	615081	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	93
2	1,1'-Biphenyl, 2,3',4,4'-tetrach...	290	C12H6Cl4	032598-10-0	93
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	93
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	91
5	1,1'-Biphenyl, 2,3,4,5-tetrachloro-	290	C12H6Cl4	033284-53-6	91





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Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

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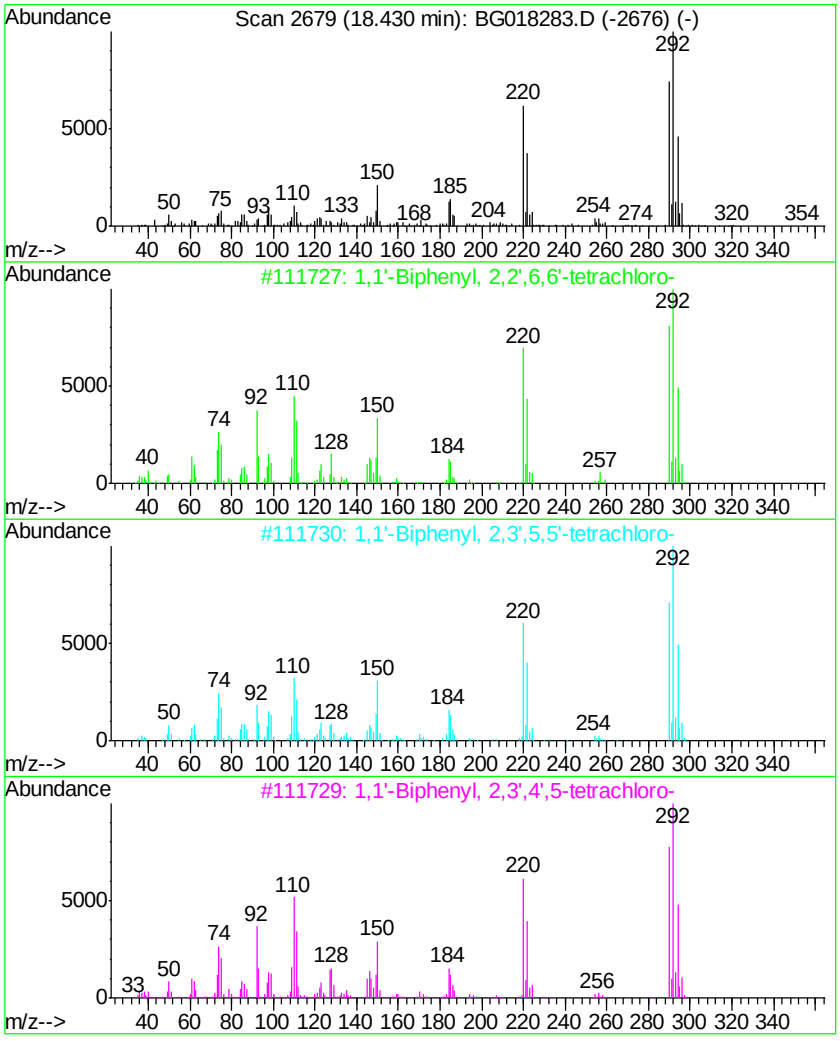
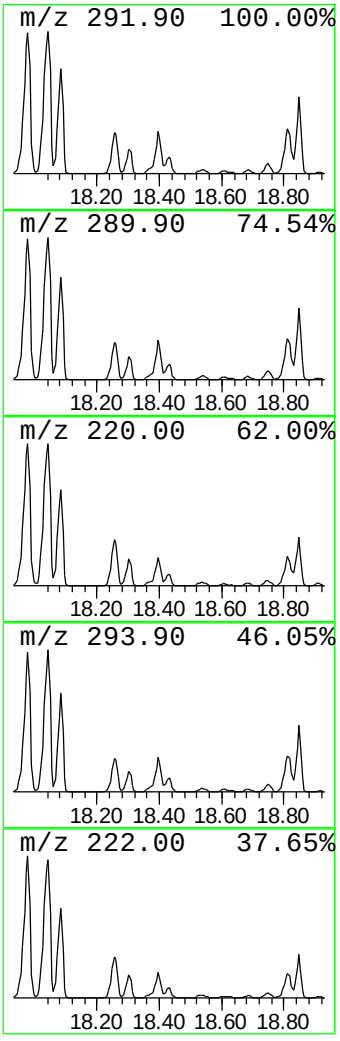
Peak Number 39 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	28.86 ng/ul	1168810	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
2	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	96
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96





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Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

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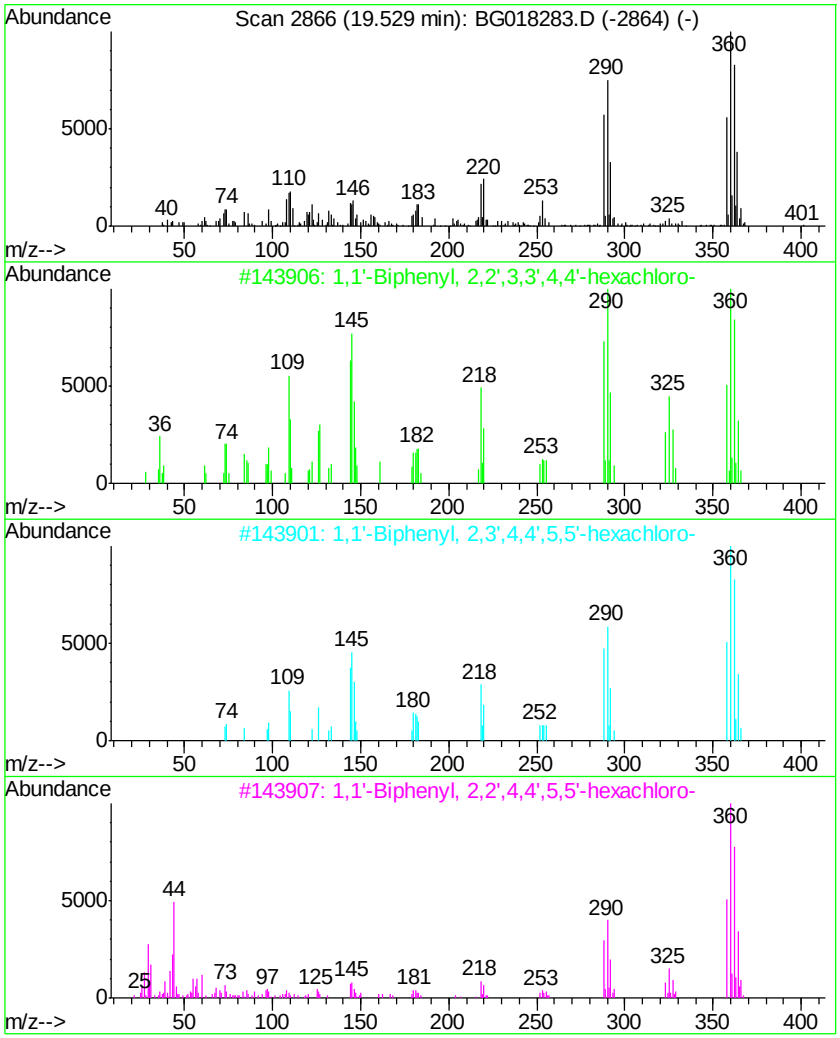
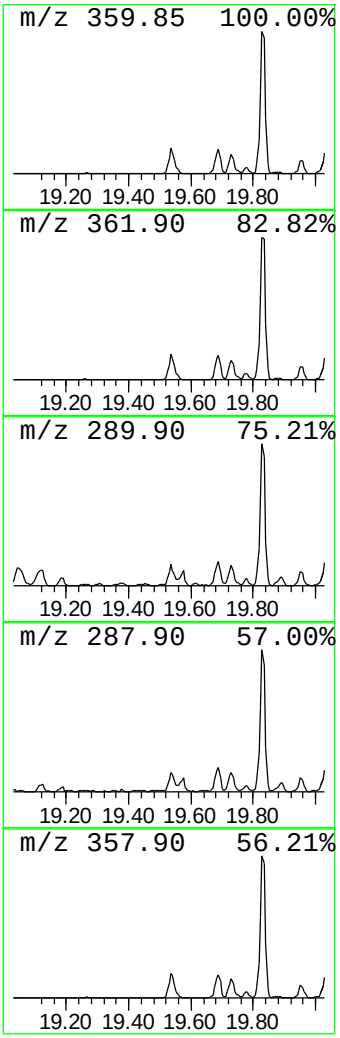
Peak Number 51 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	7.94 ng/ul	835607	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	96
2	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	95
3	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	95
4	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	94
5	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	94





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Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

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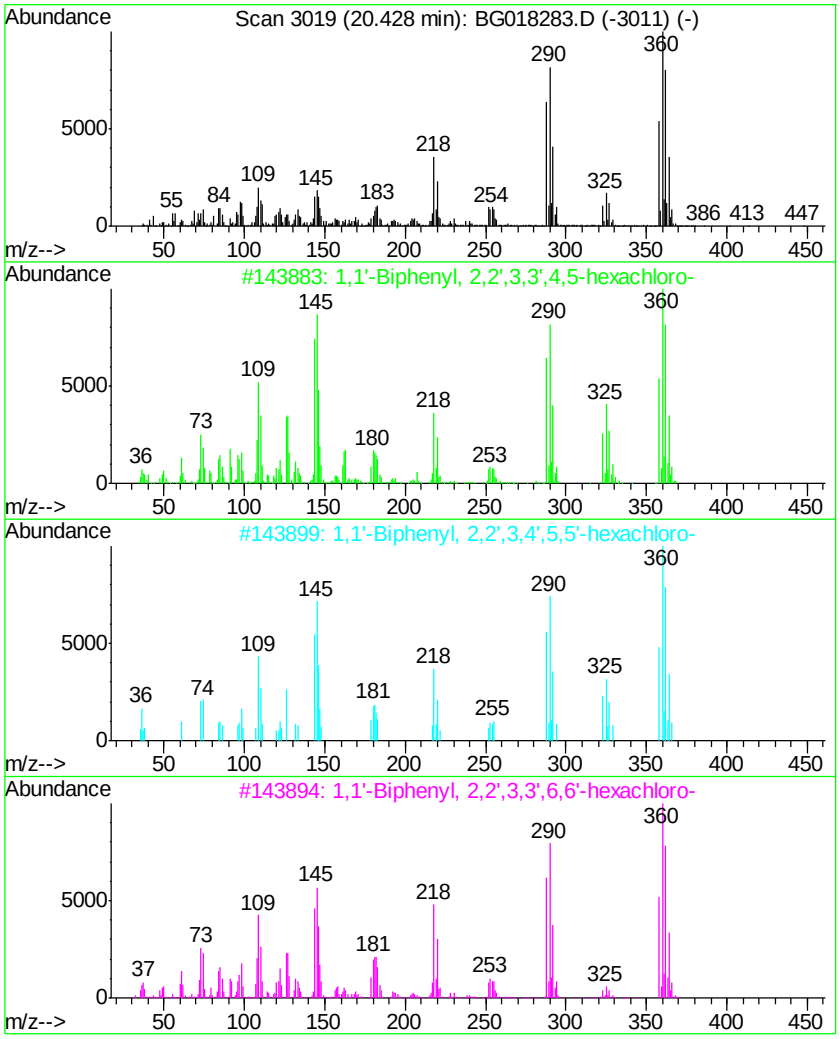
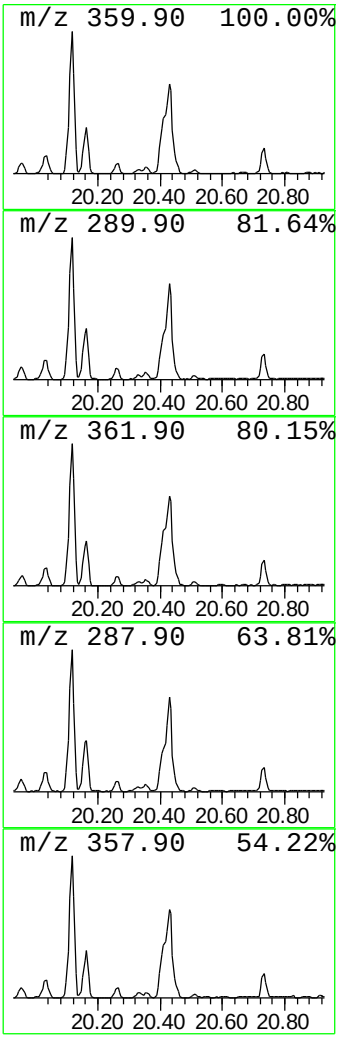
Peak Number 63 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	76.99 ng/ul	8099880	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	96
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	96
3	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	96
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	94
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	94





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Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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

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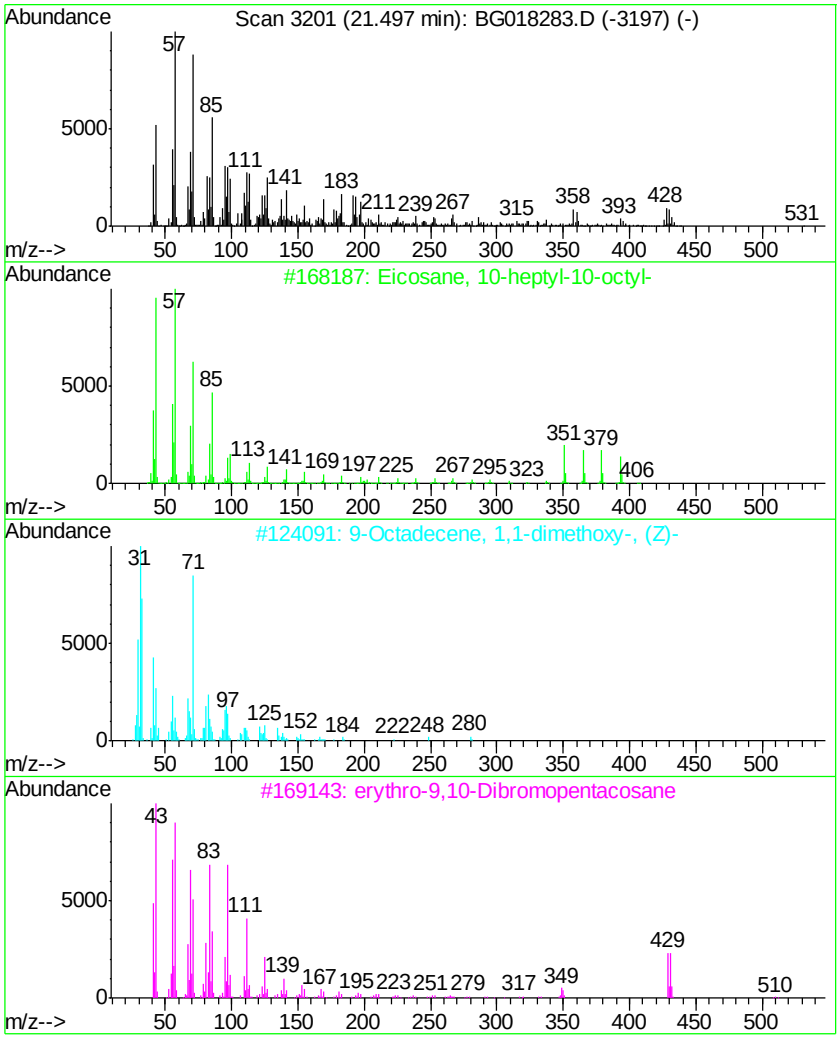
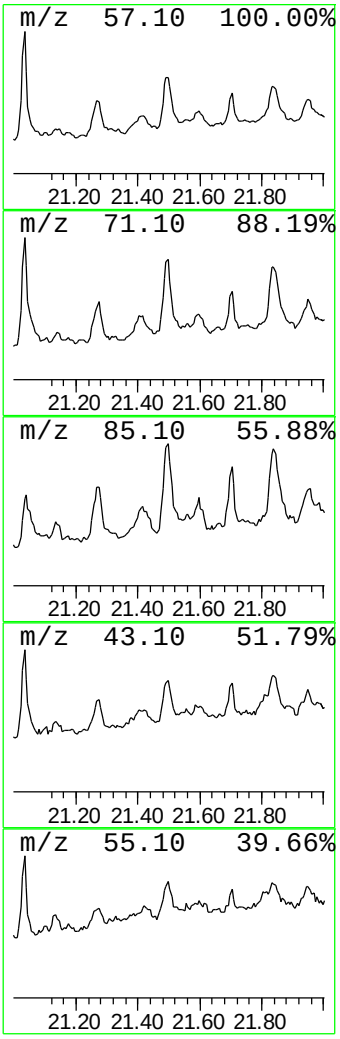
Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.50	27.87 ng/ul	2931900	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-heptyl-10-octyl-	493	C35H72	055470-98-9	38
2	9-Octadecene, 1,1-dimethoxy-, (Z)-	312	C20H40O2	015677-71-1	12
3	erythro-9,10-Dibromopentacosane	508	C25H50Br2	059907-02-7	10
4	Muscimol	114	C4H6N2O2	002763-96-4	9
5	Tetradecanoic acid, 2-hydroxy-, ...	258	C15H30O3	056009-40-6	4





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080515\
Data File : BG018283.D
Acq On : 5 Aug 2015 22:37
Operator : UM/TP
Sample : G3109-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P9

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, 1,2,3-tr...	7.08	25.4	ng/ul	413289	1	7.43	325442	20.0
(DEL) Alkane: Str...	8.66	11.1	ng/ul	179876	1	7.43	325442	20.0
(DEL) Alkane: Str...	11.25	8.1	ng/ul	218809	2	10.21	537542	20.0
(DEL) Alkane: Str...	12.64	8.9	ng/ul	182870	3	14.11	410517	20.0
Naphthalene, 1,4-...	13.43	8.7	ng/ul	178667	3	14.11	410517	20.0
Naphthalene, 2,3-...	13.66	9.0	ng/ul	184320	3	14.11	410517	20.0
unknown-01	13.86	69.2	ng/ul	1419800	3	14.11	410517	20.0
Decahydro-4,4,8,9...	13.94	10.7	ng/ul	220295	3	14.11	410517	20.0
(DEL) Alkane: Str...	14.03	11.5	ng/ul	236558	3	14.11	410517	20.0
Naphthalene, 2,3,...	14.75	9.6	ng/ul	196553	3	14.11	410517	20.0
unknown-02	14.91	14.3	ng/ul	292892	3	14.11	410517	20.0
(DEL) Alkane: Str...	15.86	6.0	ng/ul	241466	4	16.88	810111	20.0
(DEL) Alkane: Str...	15.88	10.3	ng/ul	415591	4	16.88	810111	20.0
1,1'-Biphenyl, 4,...	16.00	20.3	ng/ul	823346	4	16.88	810111	20.0
1,1'-Biphenyl, 2,...	16.12	45.1	ng/ul	1825050	4	16.88	810111	20.0
1,1'-Biphenyl, 2'...	16.41	11.1	ng/ul	449767	4	16.88	810111	20.0
(DEL) Alkane: Str...	16.70	8.8	ng/ul	354647	4	16.88	810111	20.0
1,1'-Biphenyl, 2,...	16.77	85.9	ng/ul	3477610	4	16.88	810111	20.0
1,1'-Biphenyl, 2,...	17.68	40.6	ng/ul	1646390	4	16.88	810111	20.0
1,1'-Biphenyl, 3,...	18.08	211.1	ng/ul	8549310	4	16.88	810111	20.0
1,1'-Biphenyl, 2,...	18.30	60.5	ng/ul	2451570	4	16.88	810111	20.0
1,1'-Biphenyl, 2,...	18.37	15.2	ng/ul	615081	4	16.88	810111	20.0
1,1'-Biphenyl, 2,...	18.43	28.9	ng/ul	1168810	4	16.88	810111	20.0
1,1'-Biphenyl, 2,...	19.53	7.9	ng/ul	835607	5	21.10	2104010	20.0
1,1'-Biphenyl, 2,...	20.43	77.0	ng/ul	8099880	5	21.10	2104010	20.0
(DEL) Alkane: Str...	21.50	27.9	ng/ul	2931900	5	21.10	2104010	20.0