LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
Data File : BG025259.D
Acq On : 17 Dec 2016 4:29
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.151	49	53	60	rVB3	20195	36460	1.66%	0.167%
2	3.269	69	73	82	rVB3	26251	47958	2.19%	0.220%
3	3.357	85	88	100	rVB5	16213	33161	1.51%	0.152%
4	3.598	123	129	139	rBV	189867	319593	14.56%	1.468%
5	4.027	196	202	205	rVB6	9861	15955	0.73%	0.073%
6	4.127	213	219	226	rVB4	26696	43075	1.96%	0.198%
7	4.197	226	231	237	rVB7	6962	11566	0.53%	0.053%
8	4.573	291	295	300	rVB5	8852	14304	0.65%	0.066%
9	5.296	412	418	427	rBV8	8661	20981	0.96%	0.096%
10	6.201	567	572	578	rVB4	7986	14475	0.66%	0.066%
11	6.483	613	620	624	rBV6	4878	11968	0.55%	0.055%
12	6.700	652	657	671	rVB7	4711	16612	0.76%	0.076%
13	6.824	673	678	684	rBV6	5801	11271	0.51%	0.052%
14	7.399	764	776	788	rVB3	121439	288788	13.16%	1.327%
15	7.552	795	802	808	rBV	91993	176567	8.04%	0.811%
16	7.764	831	838	849	rBV2	135239	267380	12.18%	1.228%
17	8.234	911	918	931	rBV	276716	523788	23.86%	2.406%
18	8.428	948	951	958	rVB6	9062	14214	0.65%	0.065%
19	8.510	958	965	972	rVB6	6756	14568	0.66%	0.067%
20	8.857	1017	1024	1029	rBV8	7527	18528	0.84%	0.085%
21	8.951	1032	1040	1048	rBV2	120659	247480	11.28%	1.137%
22	9.415	1111	1119	1129	rBV2	135312	261742	11.93%	1.202%
23	9.732	1167	1173	1178	rVB6	8368	16726	0.76%	0.077%
24	9.838	1187	1191	1199	rVB8	5811	11263	0.51%	0.052%
25	10.137	1230	1242	1252	rBV2	113501	235349	10.72%	1.081%
26	10.214	1252	1255	1264	rVB6	7608	17218	0.78%	0.079%
27	10.690	1327	1336	1351	rBV3	167303	358999	16.36%	1.649%
28	10.860	1360	1365	1371	rBV7	8495	23478	1.07%	0.108%
29	10.972	1377	1384	1390	rBV6	15659	37569	1.71%	0.173%
30	11.060	1390	1399	1407	rBV2	376500	719274	32.77%	3.304%
31	11.207	1418	1424	1438	rVB	98183	218678	9.96%	1.005%
32	12.012	1557	1561	1566	rBV3	12611	19484	0.89%	0.090%
33	12.211	1592	1595	1601	rBV5	8210	16759	0.76%	0.077%
34	12.405	1625	1628	1635	rBV2	18129	26014	1.19%	0.120%

LSC Area Percent Report

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Data File : BG025259.D
Acq On : 17 Dec 2016 4:29
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

35	12.634	1663	1667	1672	rBV6	6404	14174	0.65%	0.065%
36	12.729	1672	1683	1688	rVV6	45377	121555	5.54%	0.558%
37	12.834	1696	1701	1707	rBV7	7755	13807	0.63%	0.063%
38	12.917	1708	1715	1721	rVV2	26740	48739	2.22%	0.224%
39	12.964	1721	1723	1731	rVB7	8657	16103	0.73%	0.074%
40	13.193	1759	1762	1767	rBV7	10943	18757	0.85%	0.086%
41	13.287	1774	1778	1781	rBV4	7534	11739	0.53%	0.054%
42	13.345	1785	1788	1794	rBV7	9480	11424	0.52%	0.052%
43	13.633	1831	1837	1842	rVV7	22999	43315	1.97%	0.199%
44	13.686	1842	1846	1851	rVB8	12870	19153	0.87%	0.088%
45	13.827	1867	1870	1877	rVB9	8298	14690	0.67%	0.067%
46	13.904	1881	1883	1890	rVV6	9964	16024	0.73%	0.074%
47	14.027	1899	1904	1910	rVB8	19210	42471	1.94%	0.195%
48	14.121	1911	1920	1922	rBV7	8738	15476	0.71%	0.071%
49	14.180	1924	1930	1934	rBV6	31001	64716	2.95%	0.297%
50	14.250	1934	1942	1946	rVV	290924	497435	22.66%	2.285%
51	14.297	1946	1950	1962	rVB	85175	154494	7.04%	0.710%
52	14.409	1963	1969	1973	rBV6	22544	41873	1.91%	0.192%
53	14.462	1973	1978	1987	rVV10	28528	70193	3.20%	0.322%
54	14.556	1987	1994	2003	rVV	330028	537247	24.48%	2.468%
55	14.697	2012	2018	2023	rVB2	36354	51744	2.36%	0.238%
56	14.855	2034	2045	2051	rBV	569814	940532	42.85%	4.321%
57	14.920	2052	2056	2062	rVB2	33135	56649	2.58%	0.260%
58	15.096	2073	2086	2096	rBV8	53978	185661	8.46%	0.853%
59	15.243	2104	2111	2116	rVB5	40790	82692	3.77%	0.380%
60	15.314	2118	2123	2130	rVB7	28969	58751	2.68%	0.270%
61	15.372	2130	2133	2142	rVB10	13399	33067	1.51%	0.152%
62	15.455	2142	2147	2152	rBV7	23362	47236	2.15%	0.217%
63	15.513	2154	2157	2162	rVB5	14363	22156	1.01%	0.102%
64	15.637	2167	2178	2186	rBV3	72297	155708	7.09%	0.715%
65	15.801	2200	2206	2207	rBV5	16235	25122	1.14%	0.115%
66	15.842	2207	2213	2232	rVB2	426773	707069	32.22%	3.248%
67	15.983	2233	2237	2242	rBV2	66498	112156	5.11%	0.515%
68	16.036	2242	2246	2251	rVB6	25859	52600	2.40%	0.242%
69	16.189	2269	2272	2279	rVB9	31385	47437	2.16%	0.218%
70	16.336	2293	2297	2303	rBV5	23189	45324	2.07%	0.208%
71	16.442	2310	2315	2320	rVB6	37870	55696	2.54%	0.256%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
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Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

72	16.518	2320	2328	2343	rVB4	109404	279729	12.74%	1.285%
73	16.959	2400	2403	2407	rVB6	17742	23625	1.08%	0.109%
74	17.123	2428	2431	2435	rBV6	12475	13825	0.63%	0.064%
75	17.200	2441	2444	2445	rBV2	19569	17872	0.81%	0.082%
76	17.229	2445	2449	2454	rVB7	45771	58855	2.68%	0.270%
77	17.294	2457	2460	2464	rVB2	57118	64138	2.92%	0.295%
78	17.599	2505	2512	2517	rBV	693246	1184377	53.96%	5.441%
79	17.640	2517	2519	2524	rVV	336976	483039	22.01%	2.219%
80	17.699	2524	2529	2543	rVB2	471591	859060	39.14%	3.947%
81	17.887	2558	2561	2563	rBV4	15816	20666	0.94%	0.095%
82	18.028	2578	2585	2595	rVB4	98635	227266	10.35%	1.044%
83	18.175	2608	2610	2614	rBV4	24082	37532	1.71%	0.172%
84	18.439	2650	2655	2658	rBV2	103881	138520	6.31%	0.636%
85	18.522	2664	2669	2674	rVB2	86724	148449	6.76%	0.682%
86	18.663	2688	2693	2697	rBV5	63374	140682	6.41%	0.646%
87	18.716	2698	2702	2706	rVB3	69074	105197	4.79%	0.483%
88	18.956	2739	2743	2748	rBV4	44734	77106	3.51%	0.354%
89	19.338	2804	2808	2810	rBV	55860	81323	3.71%	0.374%
90	19.503	2832	2836	2842	rBV2	177270	260151	11.85%	1.195%
91	19.638	2853	2859	2865	rBV	702895	1028091	46.84%	4.723%
92	19.697	2866	2869	2880	rVB	71173	137181	6.25%	0.630%
93	19.973	2910	2916	2919	rBV	708346	1187574	54.11%	5.456%
94	20.002	2919	2921	2927	rVB	646148	841835	38.36%	3.867%
95	21.454	3165	3168	3173	rVB3	159872	236684	10.78%	1.087%
96	21.718	3209	3213	3218	rBV2	216202	291756	13.29%	1.340%
97	21.894	3235	3243	3248	rBV2	905975	2194844	100.00%	10.083%
98	21.947	3249	3252	3258	rVB	400398	647962	29.52%	2.977%
99	24.215	3633	3638	3649	rBV3	333167	1222163	55.68%	5.615%
100	25.331	3821	3828	3835	rVB	469850	1193485	54.38%	5.483%

Sum of corrected areas: 21767217

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
Data File : BG025259.D
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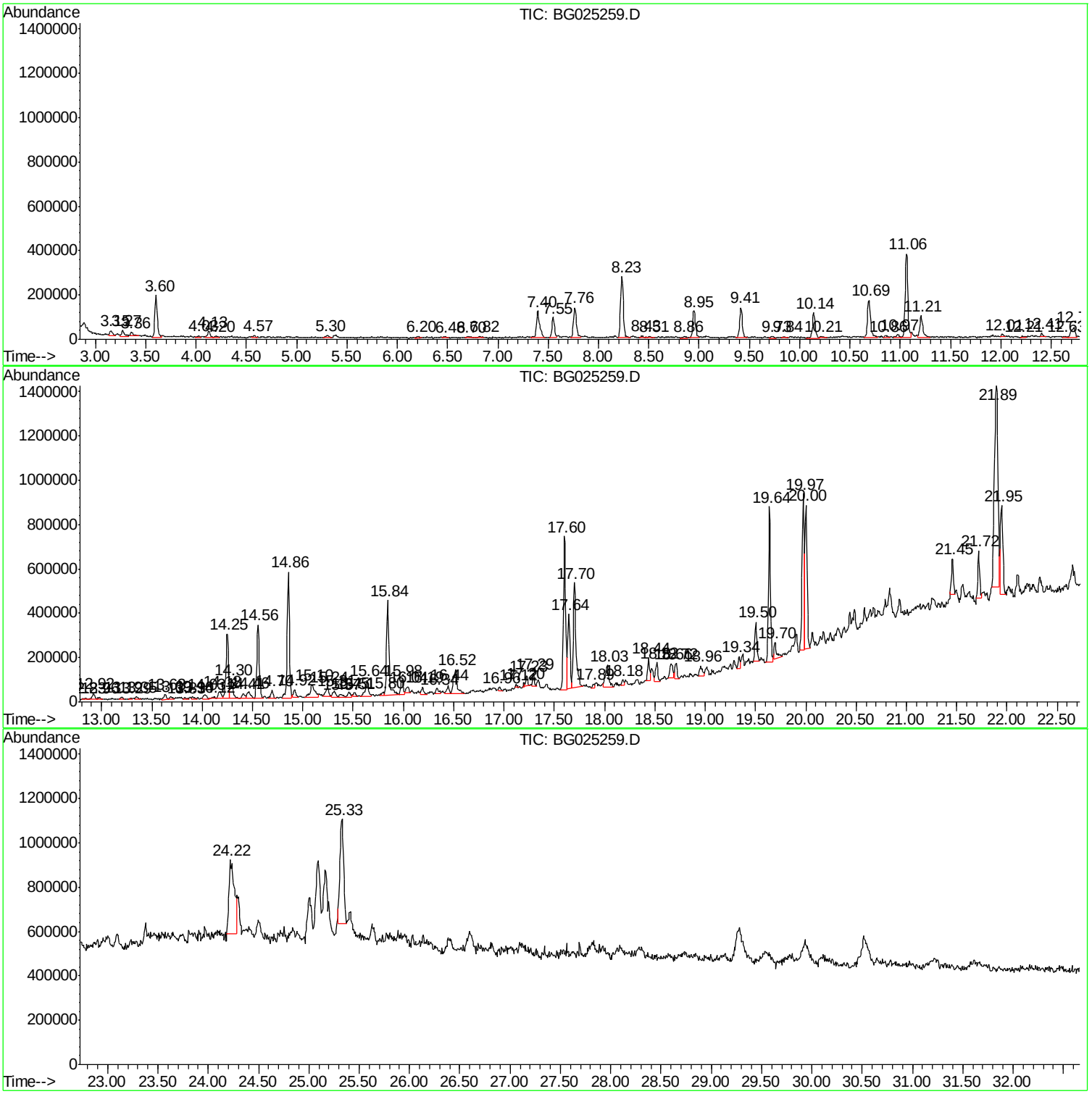
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
Data File : BG025259.D
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Sample : H5995-21
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

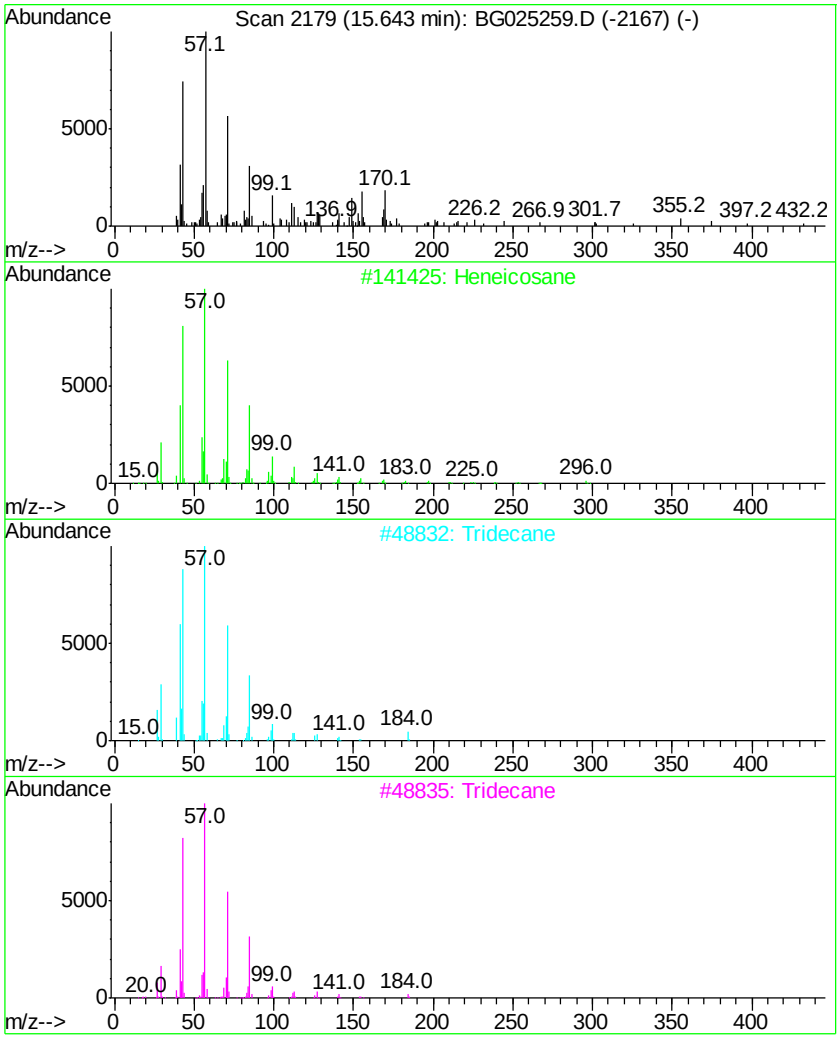
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

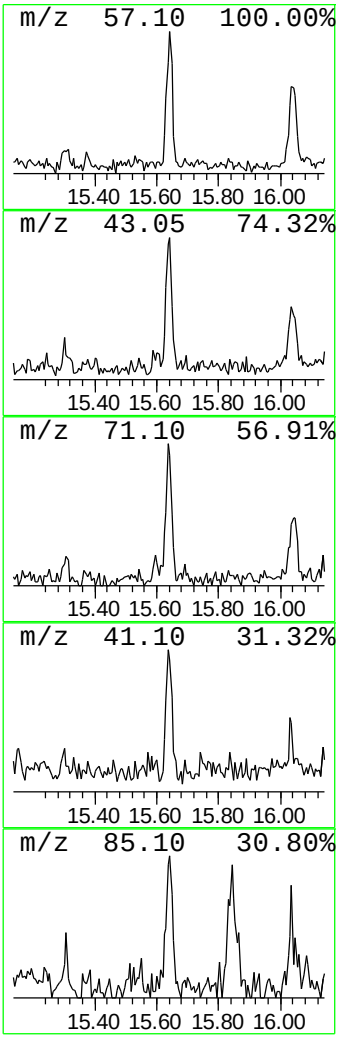
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	3.31 ng/ul	155708	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	55
2	Tridecane	184	C13H28	000629-50-5	49
3	Tridecane	184	C13H28	000629-50-5	49
4	Hexadecane	226	C16H34	000544-76-3	46
5	Eicosane	282	C20H42	000112-95-8	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
Data File : BG025259.D
Acq On : 17 Dec 2016 4:29
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

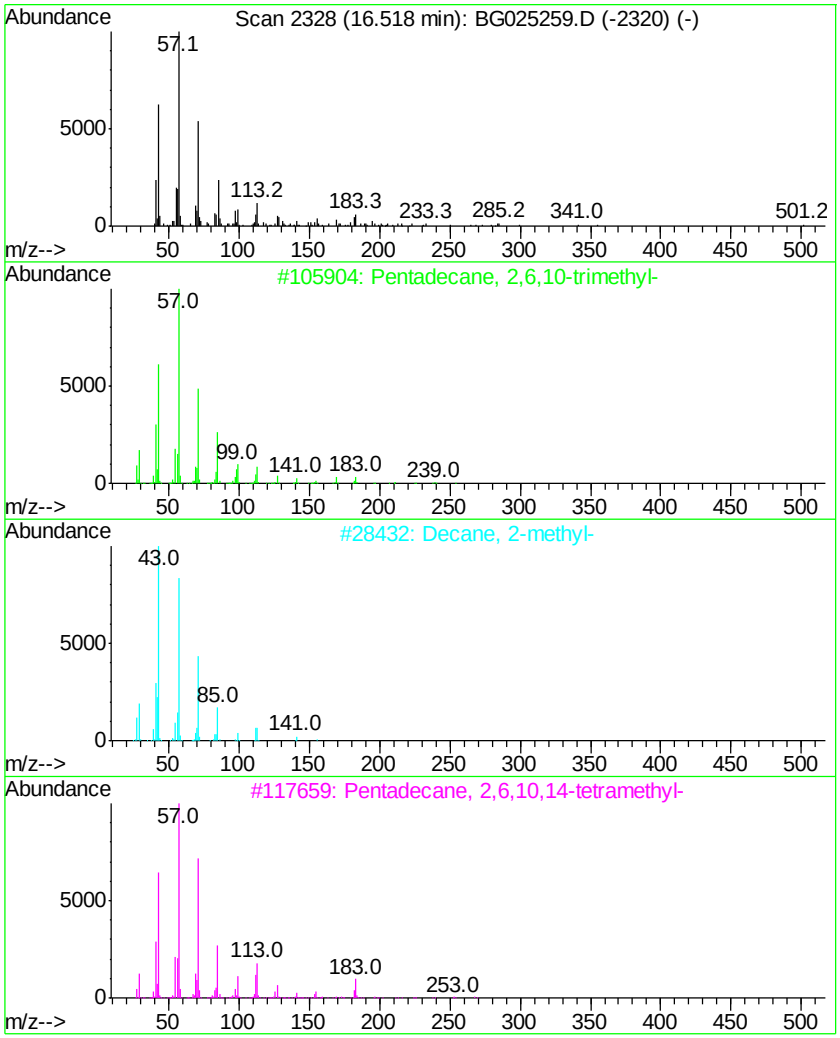
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

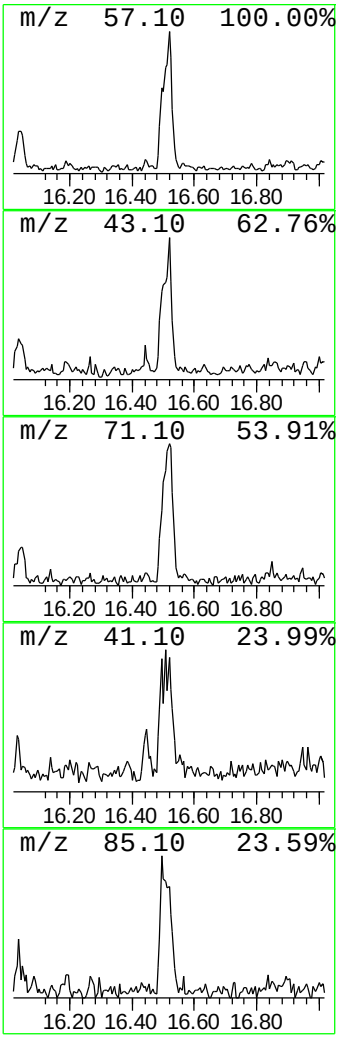
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	4.72 ng/ul	279729	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2	Decane, 2-methyl-	156	C11H24	006975-98-0	83
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	81
4	Decane, 2-methyl-	156	C11H24	006975-98-0	81
5	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	78





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Sample : H5995-21
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Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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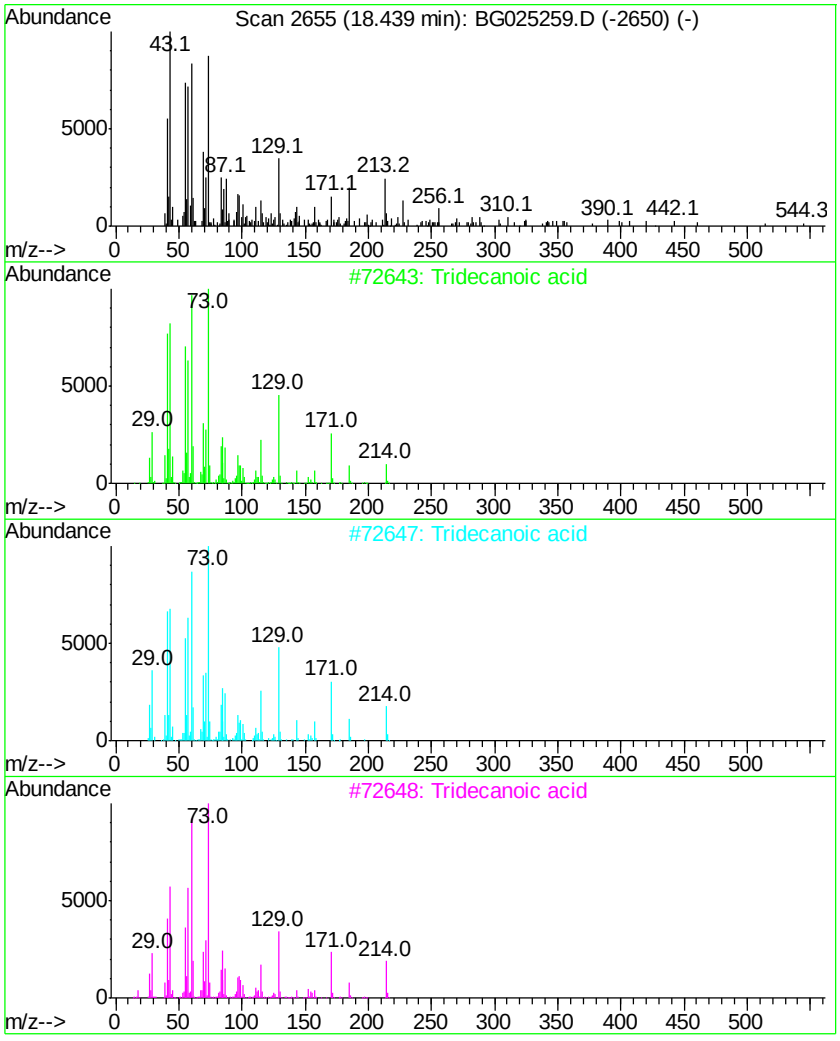
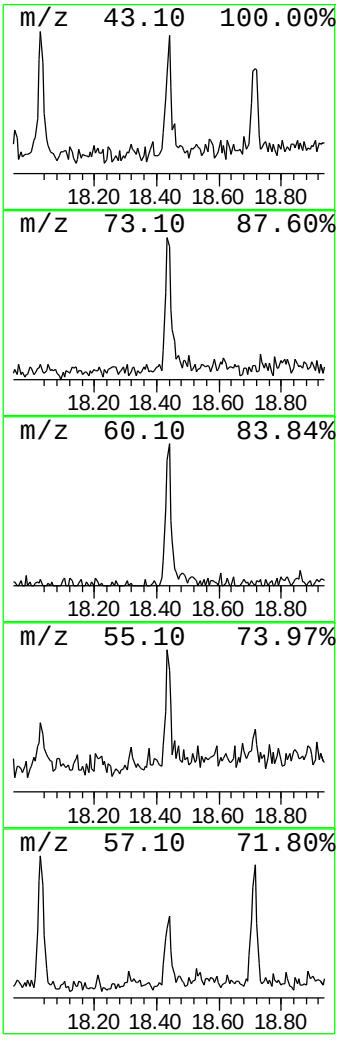
Peak Number 3 Tridecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	2.34 ng/ul	138520	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Tridecanoic acid	214	C13H26O2	000638-53-9	86
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	68





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
Data File : BG025259.D
Acq On : 17 Dec 2016 4:29
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

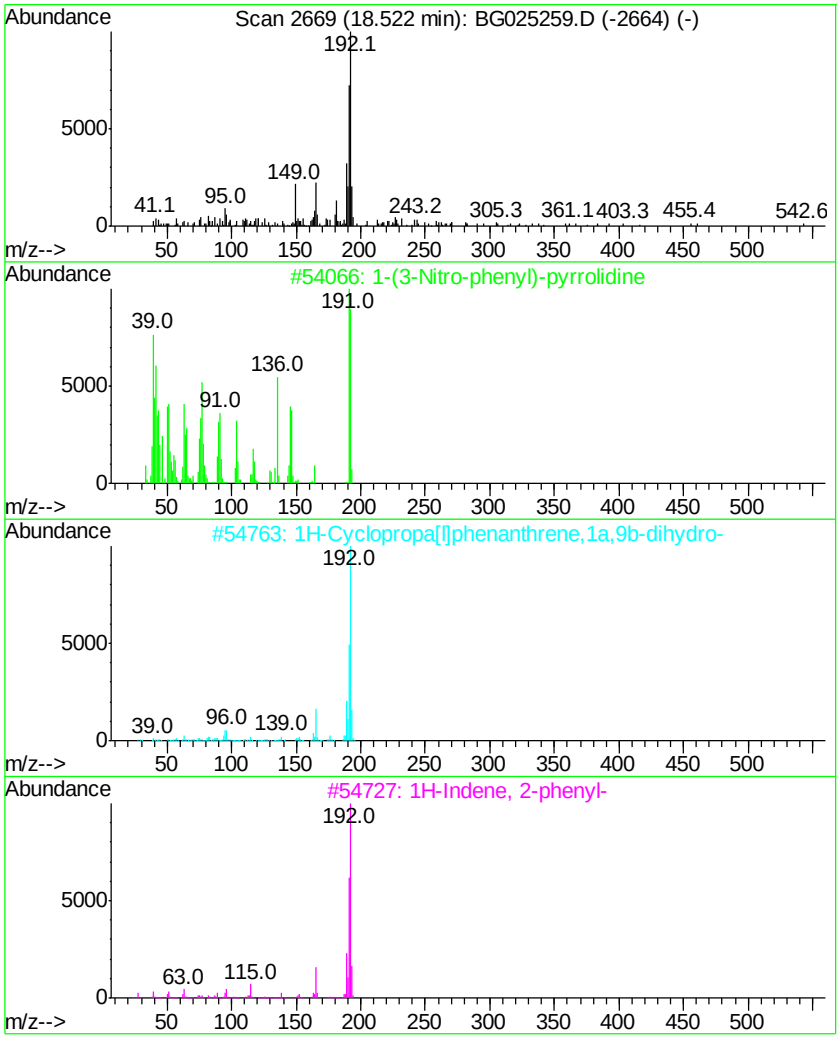
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

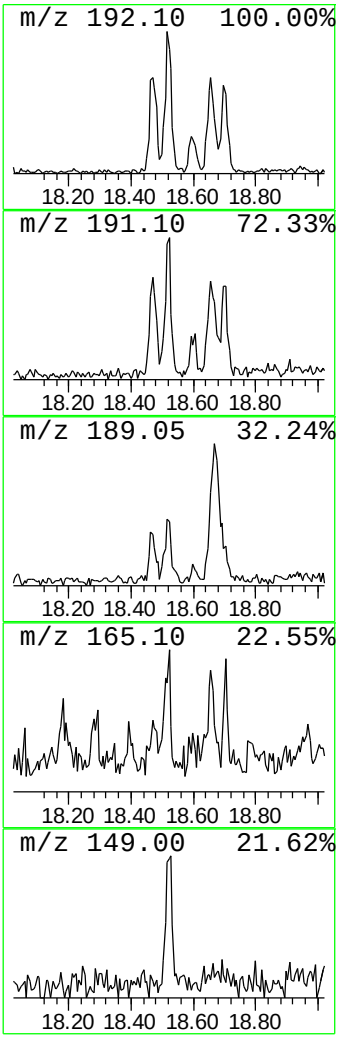
****

Peak Number 4 1-(3-Nitro-phenyl)-pyrrolidine Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	2.51 ng/ul	148449	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	89
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	76
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	70
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70





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Sample : H5995-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

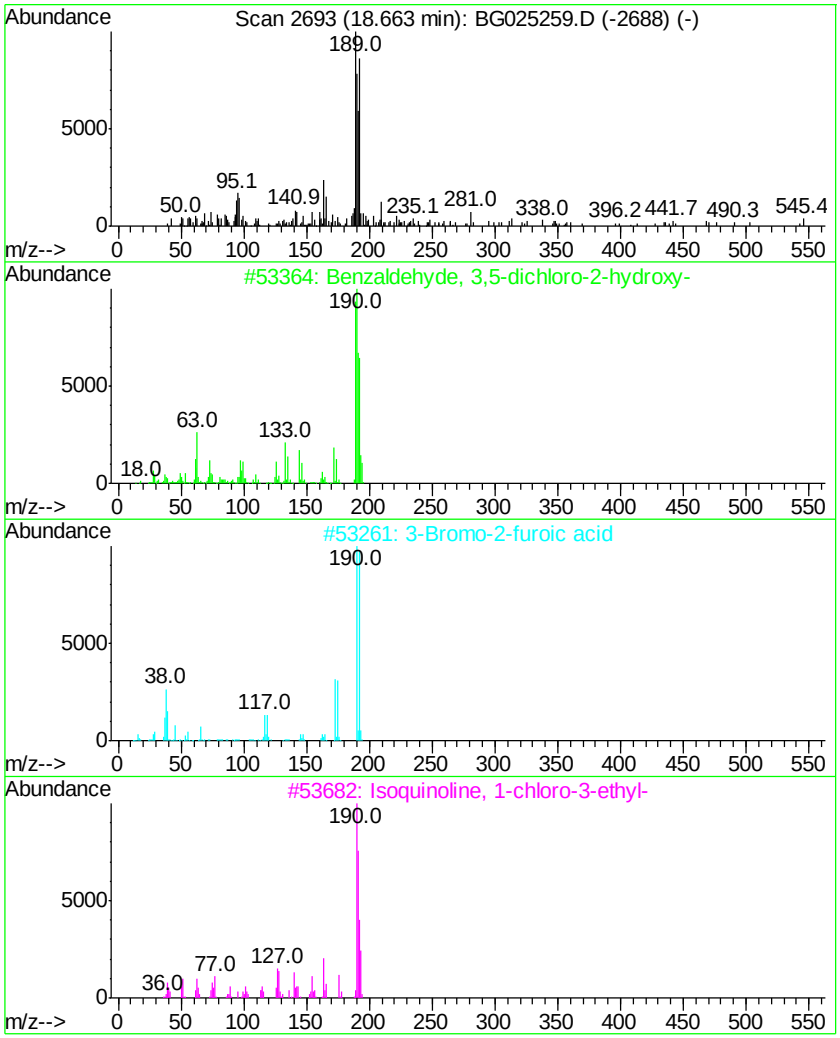
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

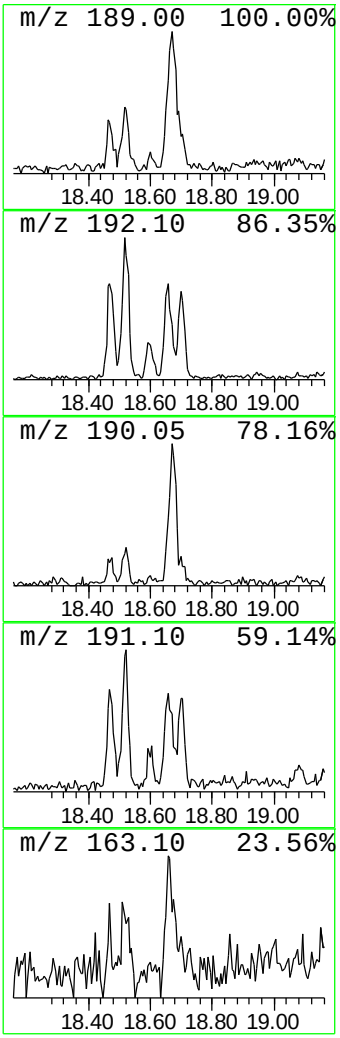
****

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.38 ng/ul	140682	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
2	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	43
3	Isoquinoline, 1-chloro-3-ethyl-	191	C11H10ClN	055150-52-2	38
4	2-Bromo-5-fluorophenol	190	C6H4BrFO	147460-41-1	38
5	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	38





Library Search Compound Report

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Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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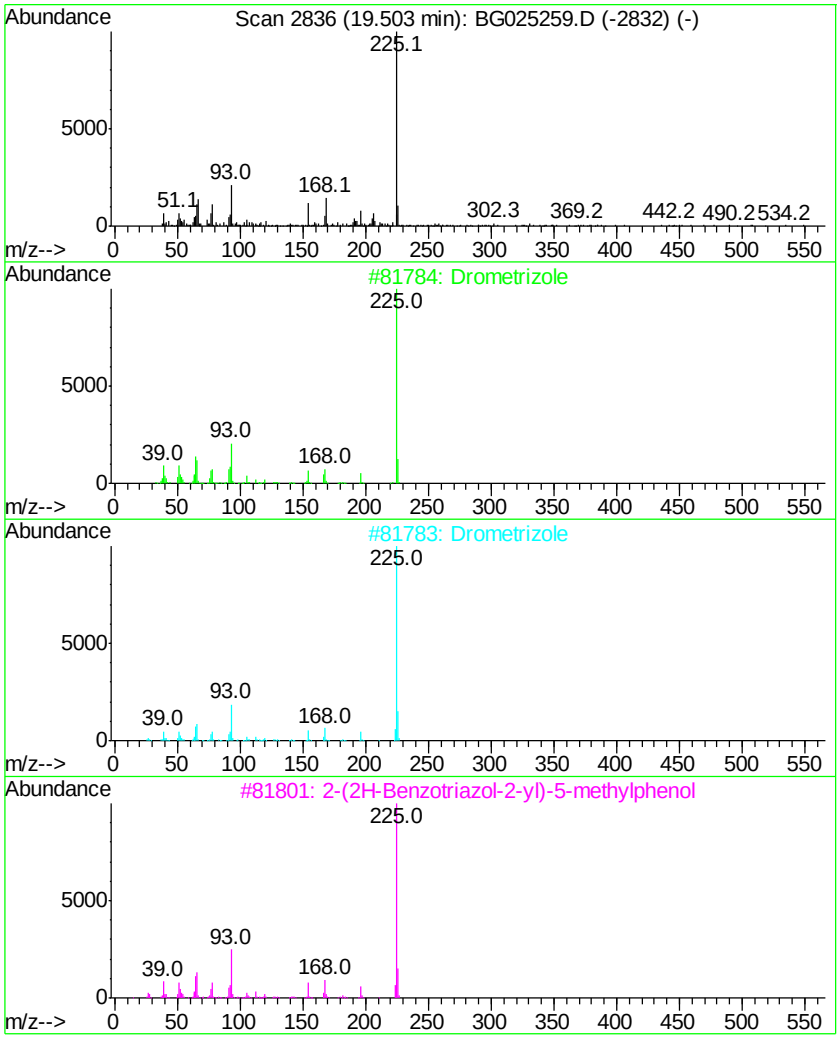
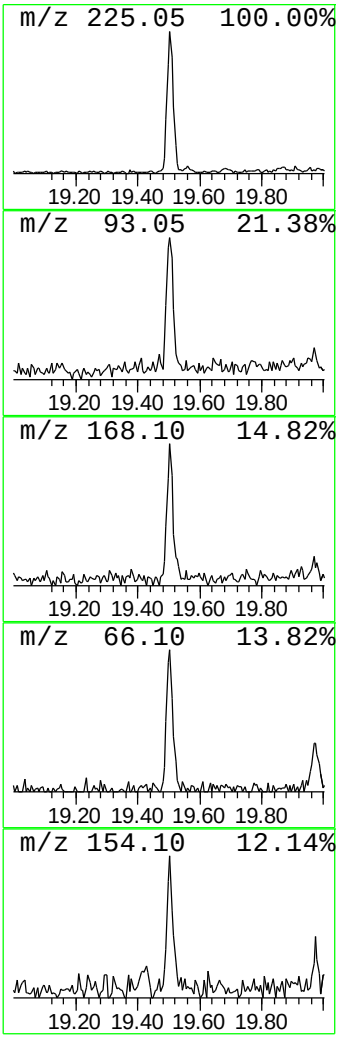
Peak Number 6 Drometrizole Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.50	4.39 ng/ul	260151	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Drometrizole	225	C13H11N3O	002440-22-4	90
2	Drometrizole	225	C13H11N3O	002440-22-4	68
3	2-(2H-Benzotriazol-2-yl)-5-methy...	225	C13H11N3O	004998-48-5	64
4	Pyrazolo[1,5-a]pyrimidin-5(4H)-o...	225	C13H11N3O	309949-80-2	64
5	Drometrizole	225	C13H11N3O	002440-22-4	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
Data File : BG025259.D
Acq On : 17 Dec 2016 4:29
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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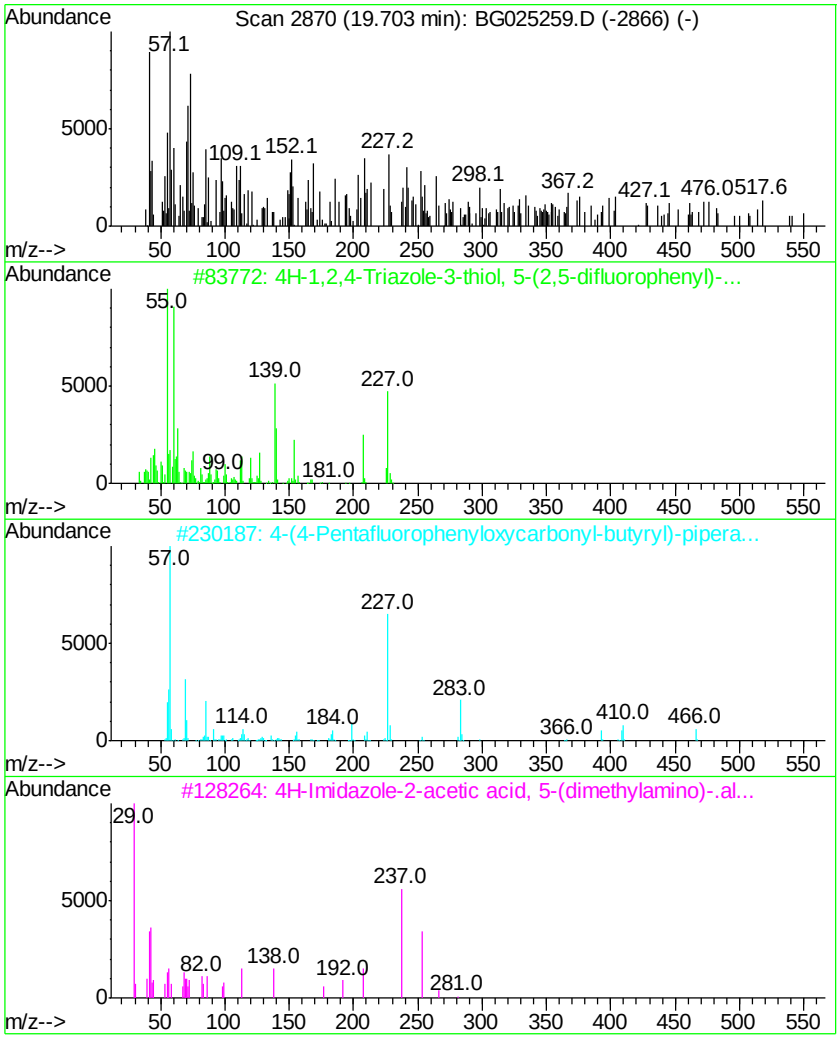
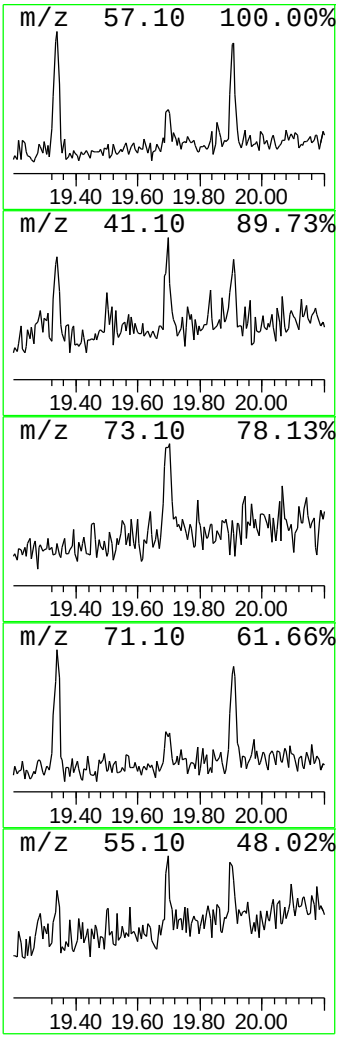
Peak Number 7 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	2.32 ng/ul	137181	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-1,2,4-Triazole-3-thiol, 5-(2,...	227	C9H7F2N3S	1000362-73-2	17
2	4-(4-Pentafluorophenyloxycarbony...	466	C20H23F5N2O5	1000286-11-6	14
3	4H-Imidazole-2-acetic acid, 5-(d...	281	C15H27N3O2	069315-94-2	10
4	13-Bromotetradecanoic acid	306	C14H27BrO2	1000099-12-8	10
5	Nonanedioic acid, dibutyl ester	300	C17H32O4	002917-73-9	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
Data File : BG025259.D
Acq On : 17 Dec 2016 4:29
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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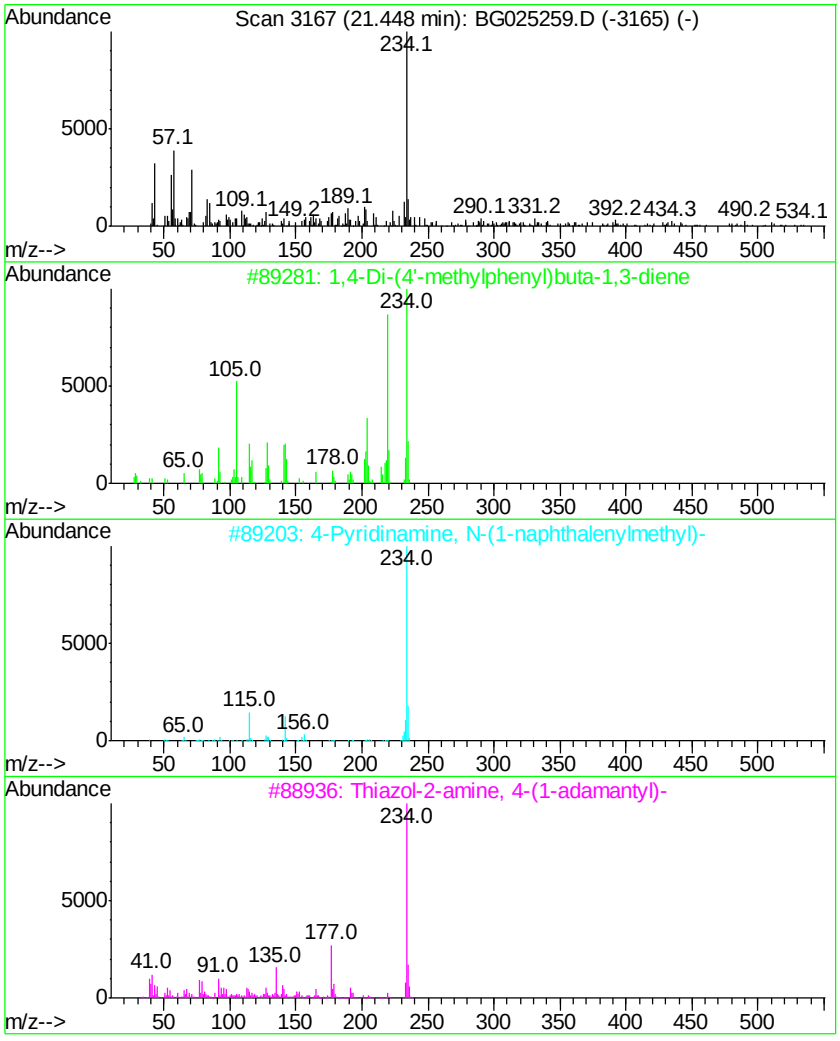
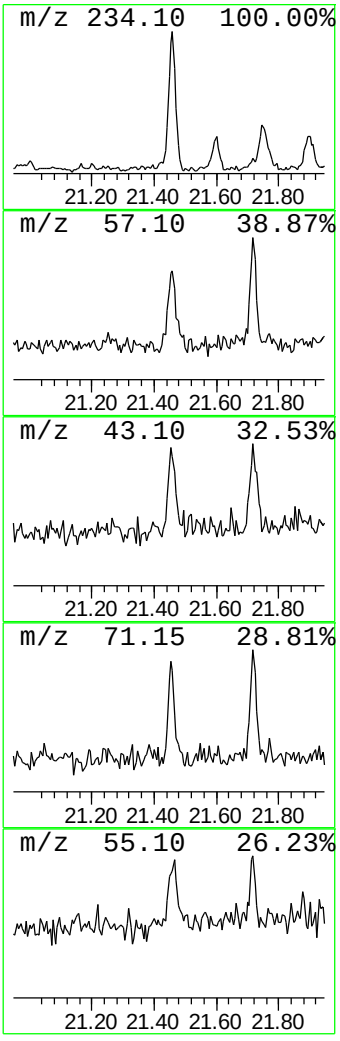
Peak Number 8 1,4-Di-(4'-methylphenyl)but... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.45	2.16 ng/ul	236684	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Di-(4'-methylphenyl)buta-1,3...	234	C18H18	1000202-17-5	72
2	4-Pyridinamine, N-(1-naphthalenyl...	234	C16H14N2	1000317-32-0	72
3	Thiazol-2-amine, 4-(1-adamantyl)-	234	C13H18N2S	019735-74-1	64
4	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	64
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025259.D
Acq On : 17 Dec 2016 4:29
Operator : UM/SJ
Sample : H5995-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA888

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	15.64	3.3	ng/ul	155708	3	14.86	940532	20.0
(DEL) Alkane: Str...	16.52	4.7	ng/ul	279729	4	17.60	1184380	20.0
Tridecanoic acid	18.44	2.3	ng/ul	138520	4	17.60	1184380	20.0
1-(3-Nitro-phenyl...	18.52	2.5	ng/ul	148449	4	17.60	1184380	20.0
Benzaldehyde, 3,5...	18.66	2.4	ng/ul	140682	4	17.60	1184380	20.0
Drometrizole	19.50	4.4	ng/ul	260151	4	17.60	1184380	20.0
unknown-01	19.70	2.3	ng/ul	137181	4	17.60	1184380	20.0
1,4-Di-(4'-methyl...	21.45	2.2	ng/ul	236684	5	21.90	2194840	20.0