LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020797.D
Acq On : 4 Feb 2016 22:25
Operator : SJ/IZ
Sample : H1334-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG17

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-BG012716.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	3.031	30	33	39	rVB4	2539	4020	0.92%	0.081%
2	3.260	67	72	81	rBV	71042	134013	30.63%	2.701%
3	3.337	81	85	101	rVB	87405	131145	29.97%	2.643%
4	3.613	128	132	139	rVB2	1386	2361	0.54%	0.048%
5	4.159	221	225	229	rBV3	1332	1747	0.40%	0.035%
6	5.328	421	424	428	rVB3	2140	3118	0.71%	0.063%
7	7.414	770	779	788	rBB	31202	53838	12.31%	1.085%
8	7.590	803	809	817	rBB	31665	50722	11.59%	1.022%
9	7.801	839	845	853	rVB	34199	56616	12.94%	1.141%
10	8.277	919	926	932	rVB	60882	98052	22.41%	1.976%
11	8.970	1038	1044	1052	rBV	45259	73148	16.72%	1.474%
12	9.446	1118	1125	1131	rBV	31427	54388	12.43%	1.096%
13	10.175	1242	1249	1255	rBB	20229	33302	7.61%	0.671%
14	10.709	1334	1340	1349	rVB	43528	73566	16.81%	1.483%
15	11.103	1400	1407	1413	rBV	99567	177148	40.49%	3.570%
16	11.156	1413	1416	1422	rVV	2050	3113	0.71%	0.063%
17	11.226	1422	1428	1438	rVB	40244	71191	16.27%	1.435%
18	12.736	1681	1685	1689	rBV2	2125	3122	0.71%	0.063%
19	12.953	1717	1722	1728	rBB2	1686	2749	0.63%	0.055%
20	14.210	1930	1936	1942	rBV2	1645	3151	0.72%	0.064%
21	14.281	1942	1948	1952	rVV	88505	123539	28.24%	2.490%
22	14.328	1952	1956	1963	rVB	33739	47384	10.83%	0.955%
23	14.586	1993	2000	2011	rVB	111129	177365	40.54%	3.575%
24	14.763	2026	2030	2034	rVB	5232	6364	1.45%	0.128%
25	14.886	2041	2051	2058	rBV2	158364	251114	57.39%	5.061%
26	14.951	2058	2062	2067	rVB	5380	7590	1.73%	0.153%
27	15.050	2073	2079	2085	rBV	22787	32961	7.53%	0.664%
28	15.274	2110	2117	2122	rVB2	3773	6390	1.46%	0.129%
29	15.350	2126	2130	2132	rBV	1078	1475	0.34%	0.030%
30	15.497	2148	2155	2158	rBV2	1047	1892	0.43%	0.038%
31	15.550	2161	2164	2169	rVB2	1089	1475	0.34%	0.030%
32	15.667	2178	2184	2185	rVV3	1428	2259	0.52%	0.046%
33	15.702	2186	2190	2197	rVB	8060	10567	2.42%	0.213%
34	15.873	2211	2219	2224	rBV	144423	213868	48.88%	4.310%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020797.D
Acq On : 4 Feb 2016 22:25
Operator : SJ/IZ
Sample : H1334-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG17

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-BG012716.M
Title : SVOA CALIBRATION

35	15.926	2224	2228	2232	rVV3	6324	9528	2.18%	0.192%
36	15.973	2232	2236	2242	rVB	9864	12932	2.96%	0.261%
37	16.114	2253	2260	2263	rBV4	2593	5427	1.24%	0.109%
38	16.214	2274	2277	2282	rVB2	2045	3443	0.79%	0.069%
39	16.366	2298	2303	2311	rVV	2750	5241	1.20%	0.106%
40	16.560	2331	2336	2339	rBV2	7745	11269	2.58%	0.227%
41	16.913	2390	2396	2397	rBV4	2004	3027	0.69%	0.061%
42	17.148	2431	2436	2440	rBV3	2456	4472	1.02%	0.090%
43	17.189	2441	2443	2446	rVV	2267	2592	0.59%	0.052%
44	17.271	2452	2457	2462	rBB3	2655	4444	1.02%	0.090%
45	17.353	2463	2471	2475	rBV3	6871	10796	2.47%	0.218%
46	17.406	2477	2480	2483	rBV	1145	1594	0.36%	0.032%
47	17.441	2483	2486	2490	rVB	2258	2979	0.68%	0.060%
48	17.623	2510	2517	2521	rBV	173969	269393	61.57%	5.429%
49	17.665	2521	2524	2529	rVB	83633	111180	25.41%	2.241%
50	17.723	2529	2534	2538	rBV2	136650	209677	47.92%	4.226%
51	17.805	2544	2548	2553	rVB4	2071	3636	0.83%	0.073%
52	18.017	2578	2584	2589	rBV	5935	9072	2.07%	0.183%
53	18.087	2594	2596	2600	rVB	2173	2637	0.60%	0.053%
54	18.134	2600	2604	2608	rVB2	1609	2261	0.52%	0.046%
55	18.199	2612	2615	2619	rBV	1177	1564	0.36%	0.032%
56	18.487	2658	2664	2669	rBV3	16278	28006	6.40%	0.564%
57	18.540	2669	2673	2679	rVB	19868	29561	6.76%	0.596%
58	18.616	2679	2686	2691	rVB	11592	20337	4.65%	0.410%
59	18.687	2691	2698	2701	rBV3	19815	38934	8.90%	0.785%
60	18.775	2710	2713	2718	rVB2	2956	3103	0.71%	0.063%
61	18.834	2718	2723	2724	rBV2	1457	1803	0.41%	0.036%
62	18.904	2730	2735	2738	rBV4	2706	3905	0.89%	0.079%
63	18.980	2738	2748	2750	rVV3	10890	18970	4.34%	0.382%
64	19.010	2750	2753	2759	rVB3	12203	18199	4.16%	0.367%
65	19.080	2759	2765	2768	rBV4	2774	4287	0.98%	0.086%
66	19.221	2785	2789	2794	rVB4	5674	8881	2.03%	0.179%
67	19.268	2794	2797	2801	rBV	5080	5053	1.15%	0.102%
68	19.309	2801	2804	2809	rVB3	4332	4938	1.13%	0.100%
69	19.392	2813	2818	2823	rBV3	11639	19045	4.35%	0.384%
70	19.456	2823	2829	2831	rBV5	4875	8473	1.94%	0.171%
71	19.527	2837	2841	2849	rBV5	6189	12320	2.82%	0.248%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020797.D
Acq On : 4 Feb 2016 22:25
Operator : SJ/IZ
Sample : H1334-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG17

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-BG012716.M
Title : SVOA CALIBRATION

72	19.656	2854	2863	2868	rBV	154744	233730	53.42%	4.710%
73	19.703	2868	2871	2874	rVV3	8578	9271	2.12%	0.187%
74	19.738	2874	2877	2884	rVB4	5277	7279	1.66%	0.147%
75	19.797	2884	2887	2892	rBV	6904	9954	2.28%	0.201%
76	19.838	2892	2894	2897	rVB4	2781	2633	0.60%	0.053%
77	19.891	2898	2903	2906	rBV4	4380	7163	1.64%	0.144%
78	19.985	2912	2919	2922	rBV2	185187	309281	70.69%	6.233%
79	20.079	2931	2935	2941	rVB2	10592	15510	3.54%	0.313%
80	20.185	2946	2953	2959	rVB	10046	20037	4.58%	0.404%
81	20.243	2959	2963	2969	rBV3	6634	11217	2.56%	0.226%
82	20.326	2972	2977	2978	rBV3	11560	16571	3.79%	0.334%
83	20.414	2988	2992	2995	rBV	14088	18936	4.33%	0.382%
84	20.467	2996	3001	3002	rVV4	11800	19946	4.56%	0.402%
85	20.496	3002	3006	3013	rVB	32763	49387	11.29%	0.995%
86	20.596	3019	3023	3026	rBV	19717	25086	5.73%	0.506%
87	20.649	3026	3032	3037	rVV3	14643	30182	6.90%	0.608%
88	20.725	3043	3045	3052	rVB6	4383	7481	1.71%	0.151%
89	20.796	3053	3057	3061	rBV	10933	18579	4.25%	0.374%
90	20.843	3062	3065	3068	rVB3	8875	11705	2.68%	0.236%
91	21.271	3134	3138	3143	rVB	12234	19031	4.35%	0.384%
92	21.512	3174	3179	3184	rBV2	42336	63610	14.54%	1.282%
93	21.900	3236	3245	3250	rBV2	193607	437524	100.00%	8.818%
94	21.953	3250	3254	3262	rVB	61294	107702	24.62%	2.171%
95	22.176	3288	3292	3296	rBV3	7745	12358	2.82%	0.249%
96	22.669	3372	3376	3381	rVB2	11944	20475	4.68%	0.413%
97	22.734	3382	3387	3396	rVB4	26773	63752	14.57%	1.285%
98	24.209	3630	3638	3646	rBV4	38160	136177	31.12%	2.744%
99	25.049	3774	3781	3788	rBV	69470	172739	39.48%	3.481%
100	25.284	3812	3821	3832	rBV	87765	276874	63.28%	5.580%

Sum of corrected areas: 4961922

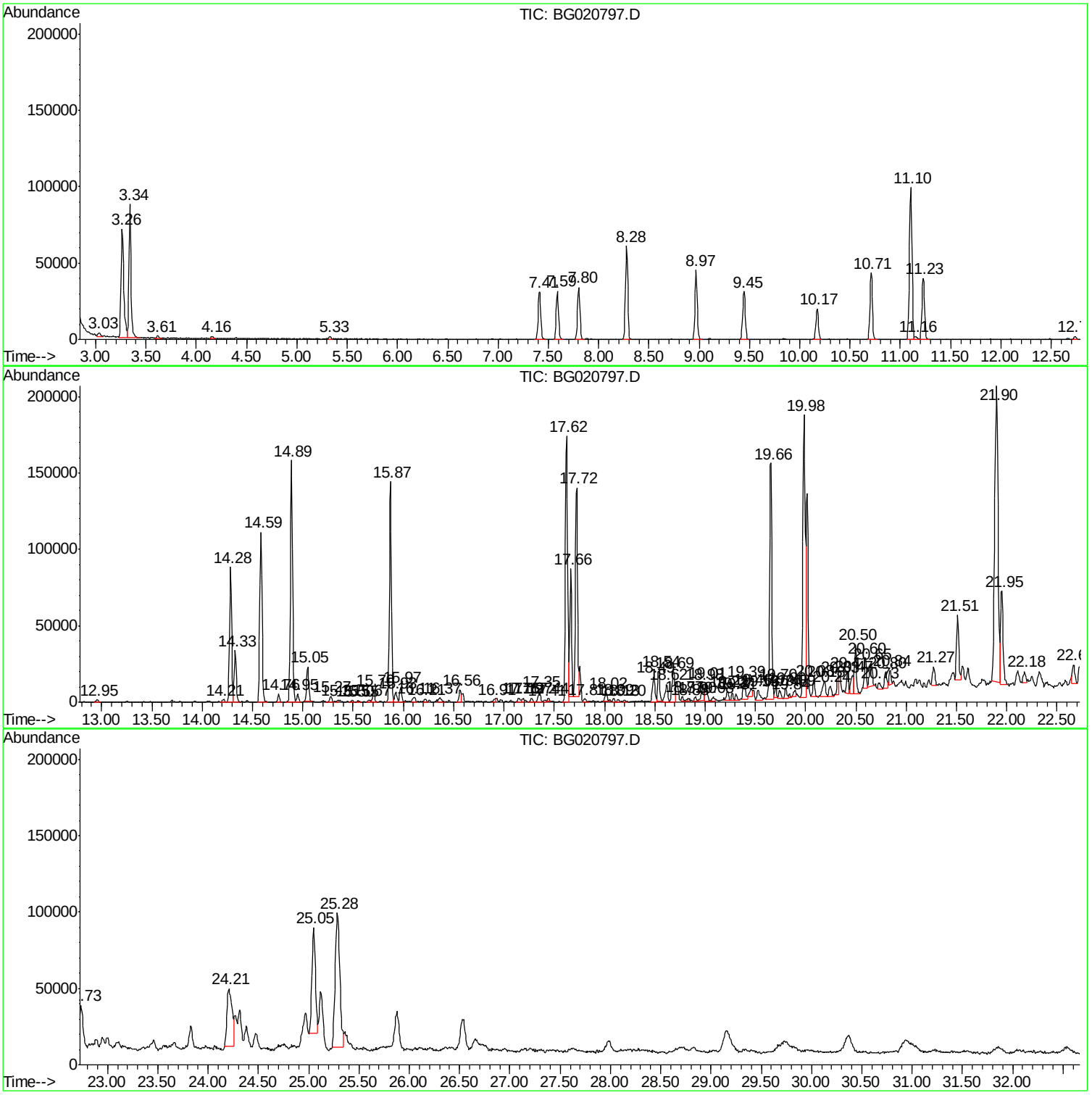
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020797.D
Acq On : 4 Feb 2016 22:25
Operator : SJ/IZ
Sample : H1334-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG17

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020797.D
Acq On : 4 Feb 2016 22:25
Operator : SJ/IZ
Sample : H1334-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG17

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

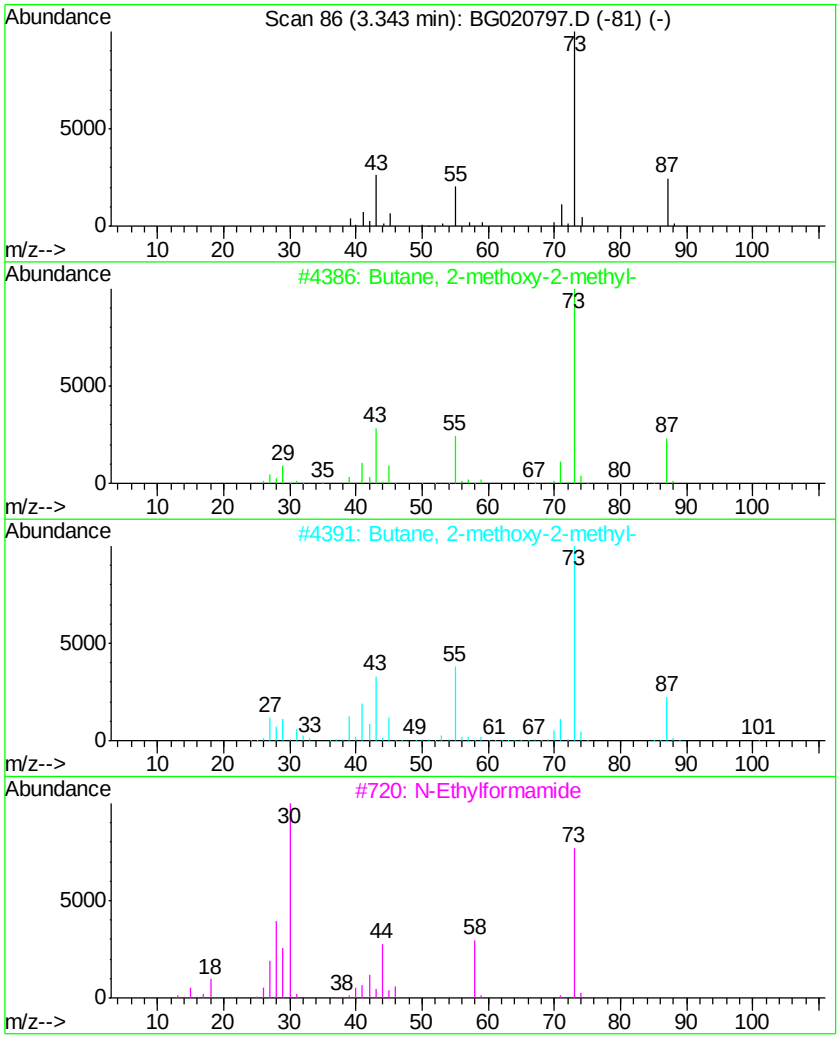
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

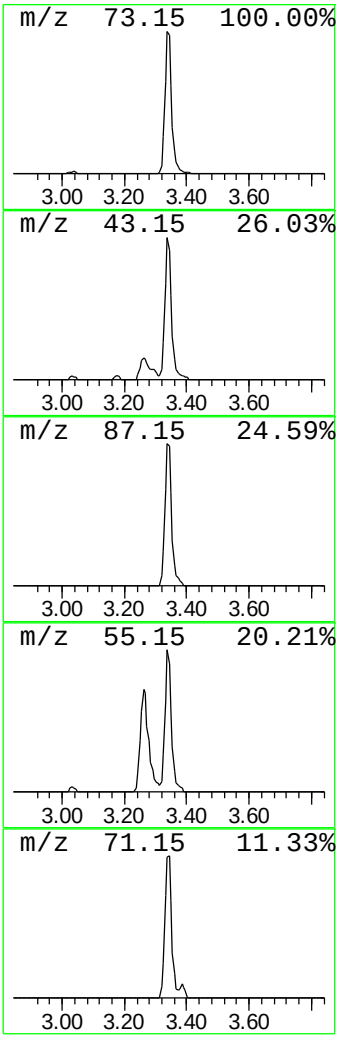
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.34	26.75 ng/ul	131145	1,4-Dichlorobenzene-d4	8.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020797.D
Acq On : 4 Feb 2016 22:25
Operator : SJ/IZ
Sample : H1334-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG17

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

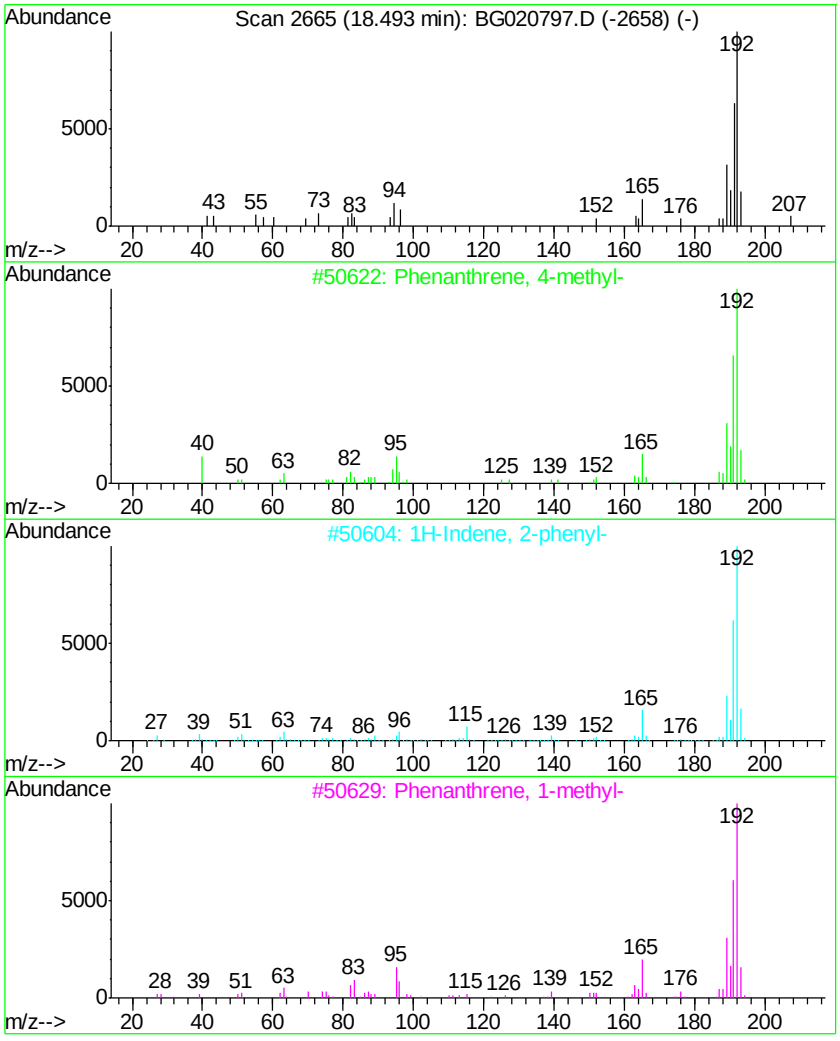
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

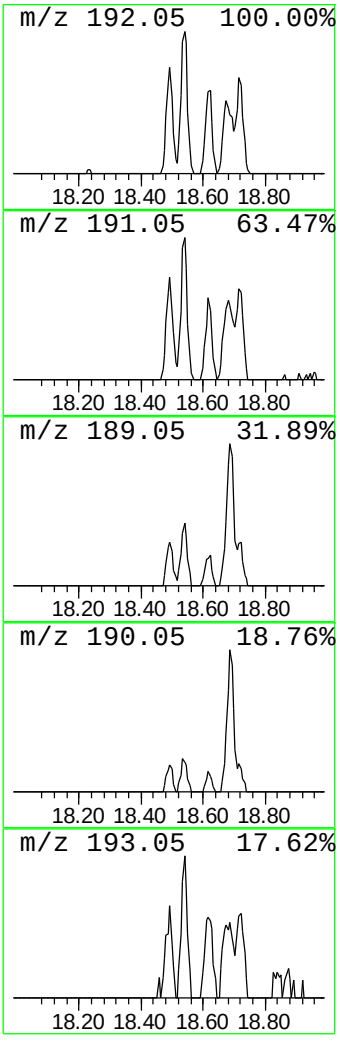
****

Peak Number 3 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.08 ng/ul	28006	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020797.D
Acq On : 4 Feb 2016 22:25
Operator : SJ/IZ
Sample : H1334-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG17

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

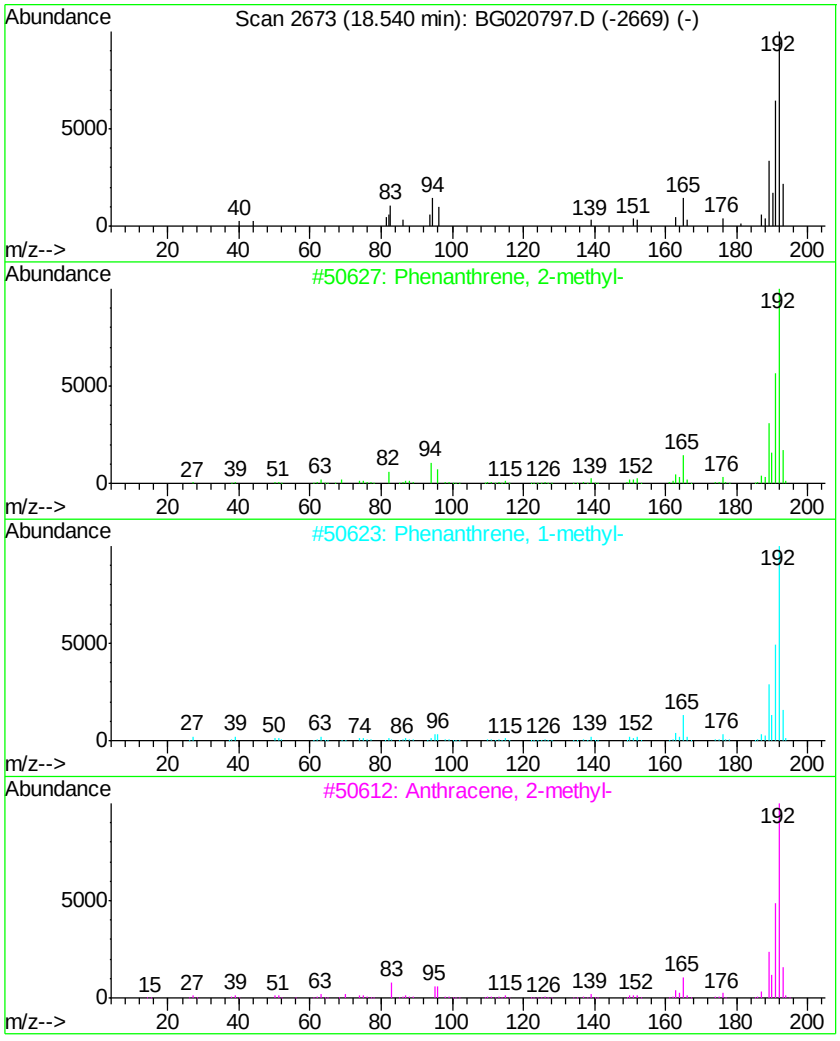
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

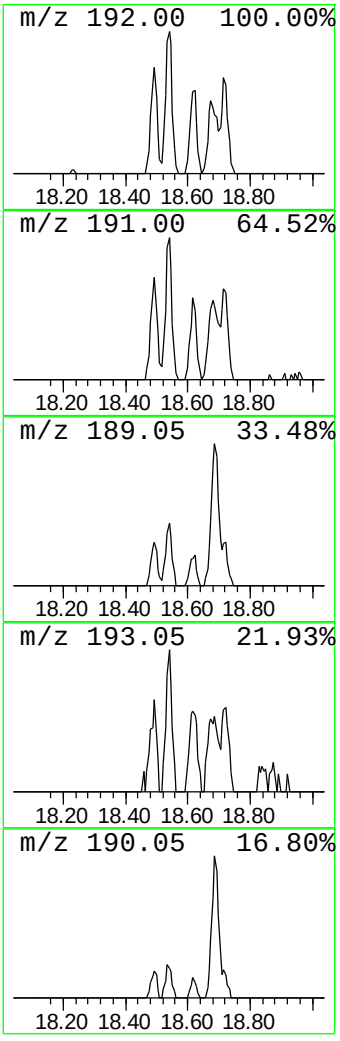
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	2.19 ng/ul	29561	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020797.D
Acq On : 4 Feb 2016 22:25
Operator : SJ/IZ
Sample : H1334-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG17

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

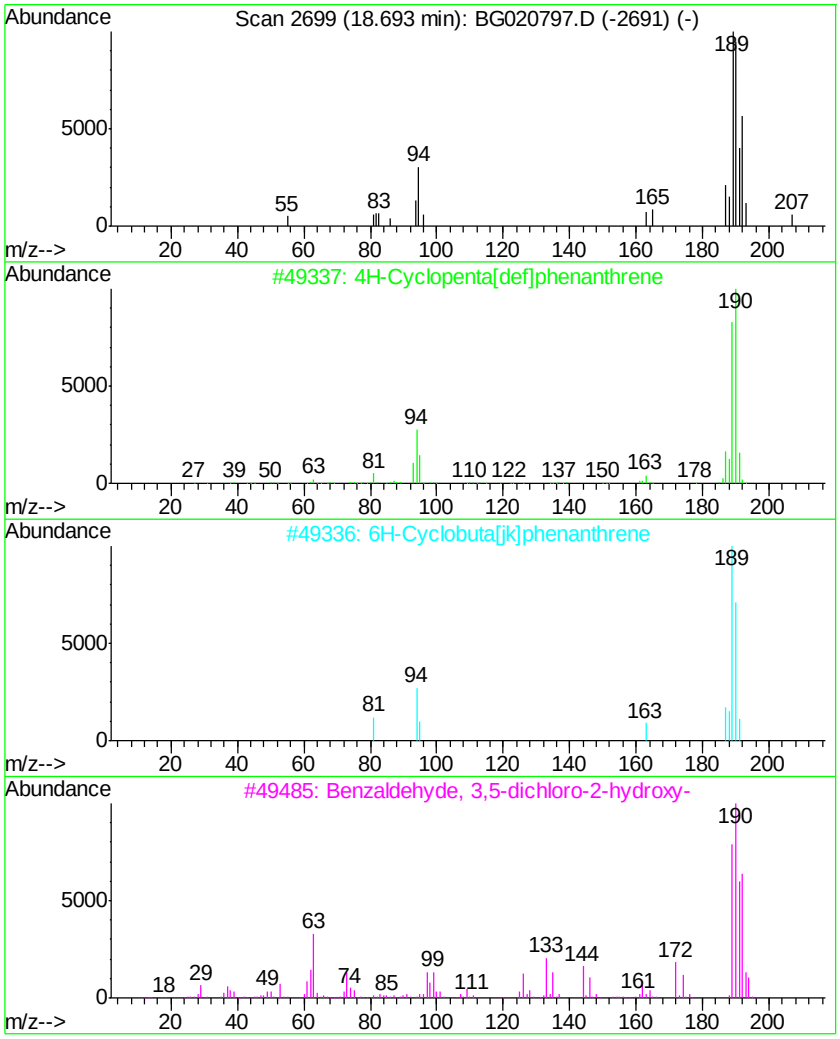
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

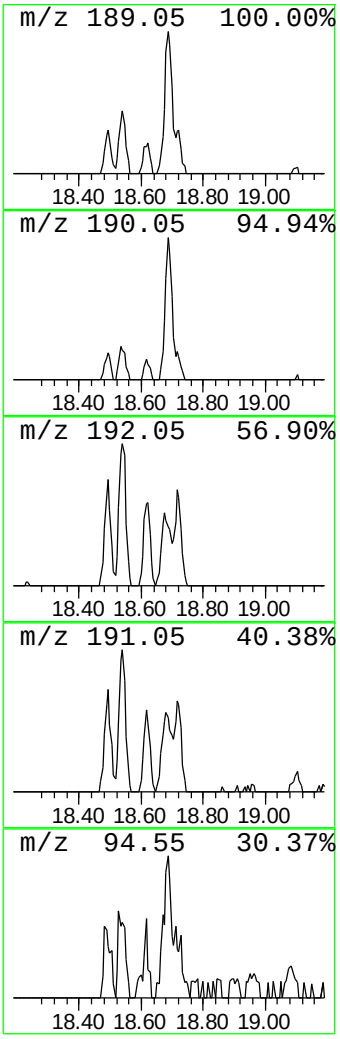
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	2.89 ng/ul	38934	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	52
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020797.D
Acq On : 4 Feb 2016 22:25
Operator : SJ/IZ
Sample : H1334-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG17

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

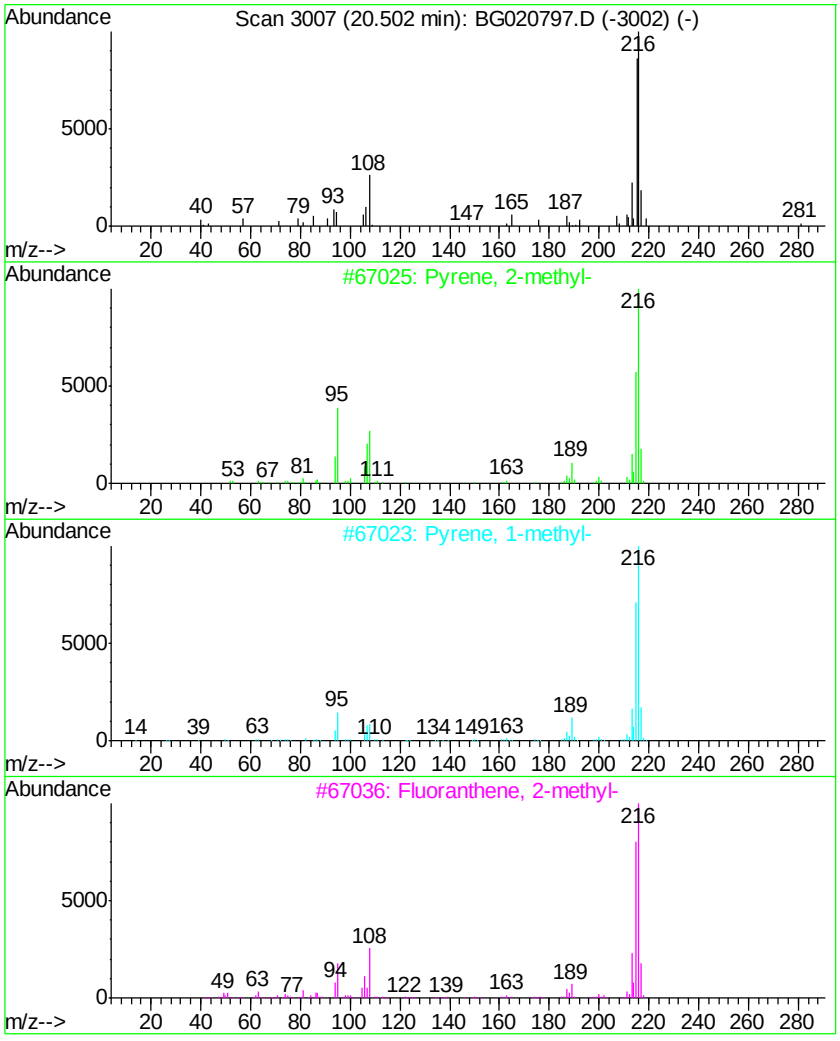
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

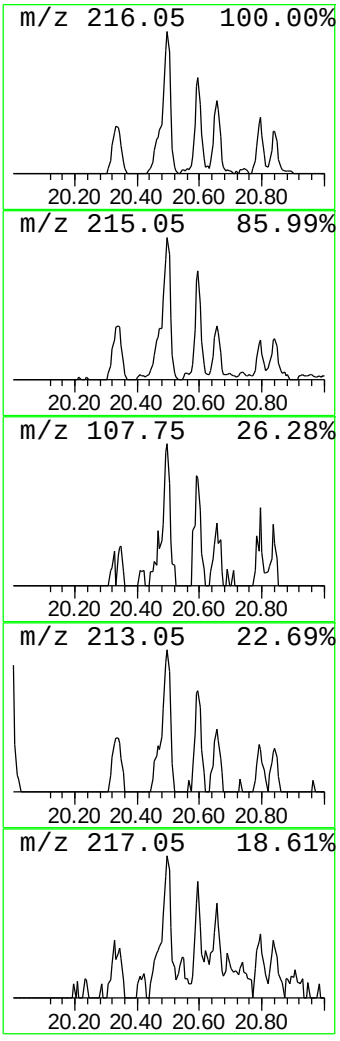
****

Peak Number 6 Pyrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	2.26 ng/ul	49387	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020797.D
Acq On : 4 Feb 2016 22:25
Operator : SJ/IZ
Sample : H1334-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG17

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

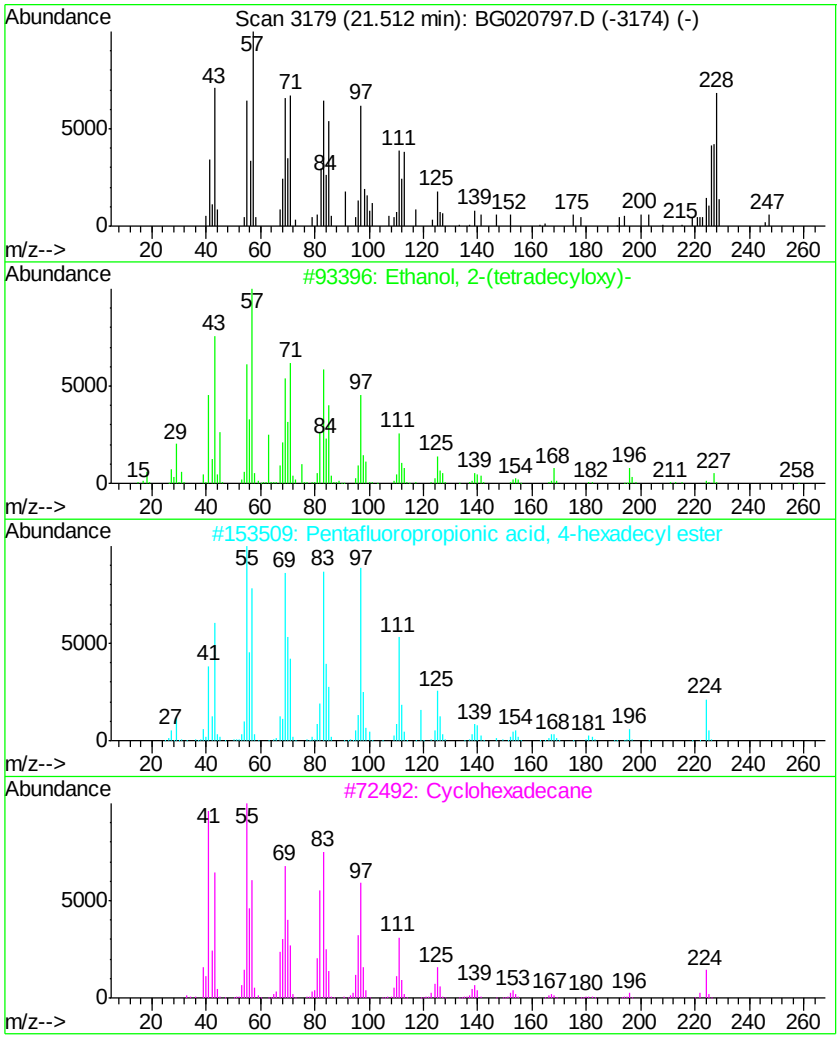
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

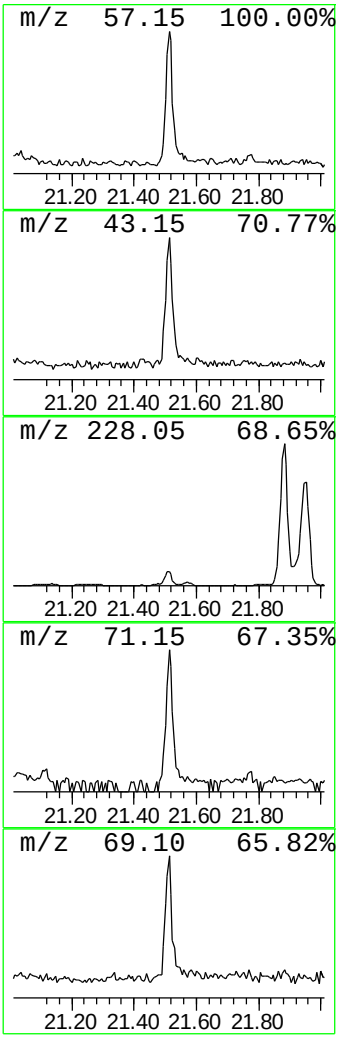
****

Peak Number 7 Ethanol, 2-(tetradecyloxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	2.91 ng/ul	63610	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	50
2	Pentafluoropropionic acid, 4-hex...	388	C19H33F5O2	1000283-04-1	42
3	Cyclohexadecane	224	C16H32	000295-65-8	42
4	1-Octadecanol	270	C18H38O	000112-92-5	42
5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	42





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020797.D
Acq On : 4 Feb 2016 22:25
Operator : SJ/IZ
Sample : H1334-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG17

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

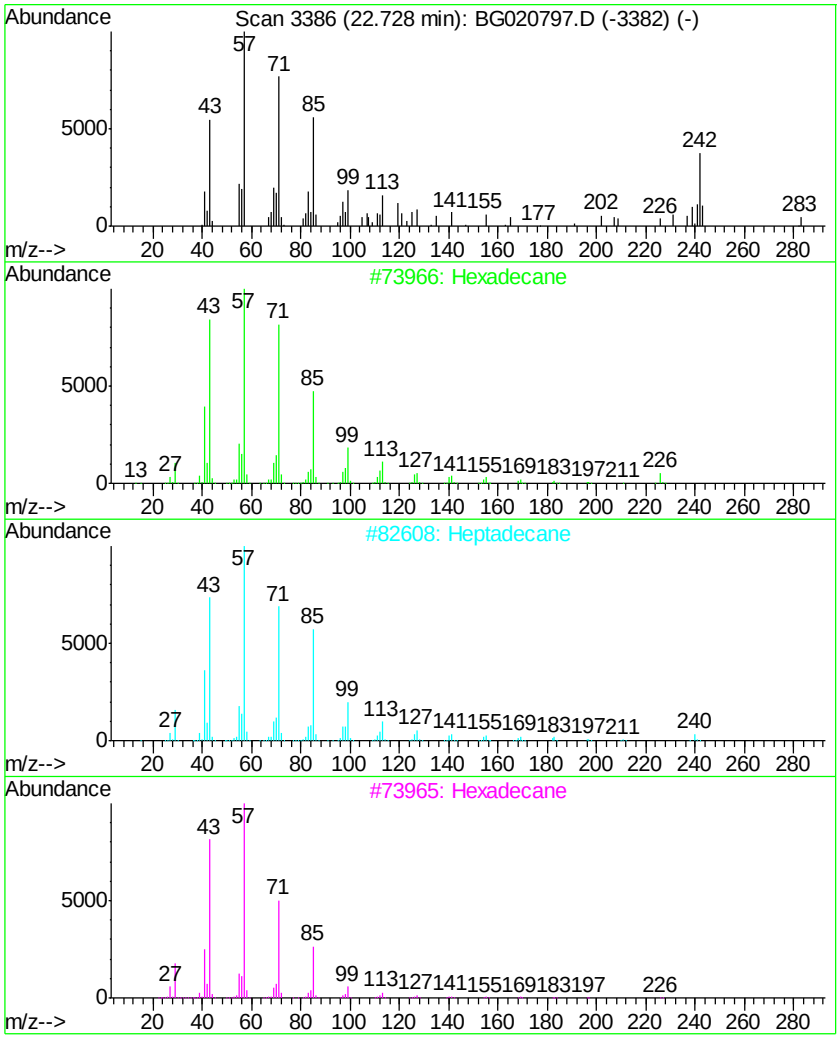
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

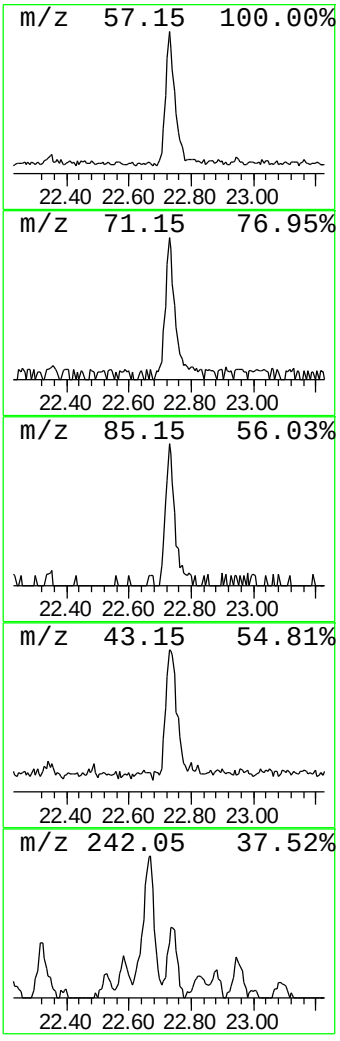
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.73	2.91 ng/ul	63752	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Heptadecane	240	C17H36	000629-78-7	92
3	Hexadecane	226	C16H34	000544-76-3	90
4	Hexadecane	226	C16H34	000544-76-3	78
5	Hexadecane	226	C16H34	000544-76-3	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020416\
Data File : BG020797.D
Acq On : 4 Feb 2016 22:25
Operator : SJ/IZ
Sample : H1334-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG17

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.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
Butane, 2-methoxy...	3.34	26.8	ng/ul	131145	1	8.28	98052	20.0
Phenanthrene, 4-m...	18.49	2.1	ng/ul	28006	4	17.62	269393	20.0
Phenanthrene, 2-m...	18.54	2.2	ng/ul	29561	4	17.62	269393	20.0
4H-Cyclopenta[def...	18.69	2.9	ng/ul	38934	4	17.62	269393	20.0
Pyrene, 2-methyl-	20.50	2.3	ng/ul	49387	5	21.90	437524	20.0
Ethanol, 2-(tetra...	21.51	2.9	ng/ul	63610	5	21.90	437524	20.0
(DEL) Alkane: Str...	22.73	2.9	ng/ul	63752	5	21.90	437524	20.0