LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021016\
Data File : BG020836.D
Acq On : 10 Feb 2016 12:08
Operator : SJ/UM
Sample : H1390-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04P9

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-BG020816.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	3.250	65	70	80	rBV	69698	137540	42.08%	3.184%
2	3.333	80	84	99	rVB	62648	94758	28.99%	2.193%
3	3.609	127	131	134	rVB2	1402	2025	0.62%	0.047%
4	3.967	187	192	196	rVB	5169	6801	2.08%	0.157%
5	4.384	259	263	267	rVB2	1947	3308	1.01%	0.077%
6	5.330	418	424	429	rBB3	1688	2870	0.88%	0.066%
7	5.876	512	517	526	rBB	10044	19649	6.01%	0.455%
8	6.252	576	581	587	rVB2	7341	10642	3.26%	0.246%
9	7.233	746	748	753	rVB3	1802	2598	0.79%	0.060%
10	7.345	762	767	771	rBV	6728	8877	2.72%	0.205%
11	7.404	771	777	785	rVV	40704	70026	21.42%	1.621%
12	7.480	785	790	796	rVB	6487	10176	3.11%	0.236%
13	7.580	801	807	814	rBB	30908	51121	15.64%	1.183%
14	7.650	814	819	825	rBV	4924	7891	2.41%	0.183%
15	7.797	838	844	853	rVB	35909	60009	18.36%	1.389%
16	7.879	853	858	860	rBV2	6383	10444	3.20%	0.242%
17	7.915	860	864	871	rVB	22297	34824	10.65%	0.806%
18	8.273	914	925	931	rBV	68319	118970	36.40%	2.754%
19	8.385	938	944	952	rBB3	10255	21961	6.72%	0.508%
20	8.649	983	989	993	rBV3	1430	2699	0.83%	0.062%
21	8.819	1011	1018	1022	rBV2	2547	4907	1.50%	0.114%
22	8.913	1029	1034	1037	rBV2	4208	7181	2.20%	0.166%
23	8.966	1037	1043	1049	rVV	47055	82070	25.11%	1.900%
24	9.031	1049	1054	1057	rVV2	2074	3284	1.00%	0.076%
25	9.095	1057	1065	1072	rVV2	6745	13214	4.04%	0.306%
26	9.231	1084	1088	1093	rVB2	1988	3099	0.95%	0.072%
27	9.278	1093	1096	1100	rBV2	1639	2211	0.68%	0.051%
28	9.383	1110	1114	1118	rBV	2956	3964	1.21%	0.092%
29	9.442	1118	1124	1129	rBV	33414	58445	17.88%	1.353%
30	9.495	1129	1133	1136	rVB2	2466	3534	1.08%	0.082%
31	9.965	1209	1213	1219	rBB2	1719	2564	0.78%	0.059%
32	10.165	1242	1247	1255	rVB	24651	42957	13.14%	0.994%
33	10.517	1299	1307	1311	rBV5	3173	7542	2.31%	0.175%
34	10.705	1333	1339	1346	rBB	47052	79605	24.36%	1.843%

LSC Area Percent Report

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Acq On : 10 Feb 2016 12:08
Operator : SJ/UM
Sample : H1390-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04P9

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-BG020816.M
Title : SVOA CALIBRATION

35	10.928	1372	1377	1386	rVB2	6339	10827	3.31%	0.251%
36	11.046	1392	1397	1399	rBV2	1487	1839	0.56%	0.043%
37	11.099	1399	1406	1412	rVV	119566	206508	63.18%	4.780%
38	11.146	1412	1414	1419	rVB	2555	3241	0.99%	0.075%
39	11.222	1419	1427	1437	rBB	46120	80067	24.50%	1.853%
40	11.516	1473	1477	1481	rBB2	2260	2996	0.92%	0.069%
41	11.663	1498	1502	1506	rVB	5177	7697	2.35%	0.178%
42	11.897	1536	1542	1546	rVB3	2003	2900	0.89%	0.067%
43	12.091	1572	1575	1579	rVB2	1783	2268	0.69%	0.053%
44	12.479	1637	1641	1644	rVB	2186	2433	0.74%	0.056%
45	12.732	1679	1684	1688	rBB2	2678	4369	1.34%	0.101%
46	12.949	1717	1721	1726	rVB3	2892	4353	1.33%	0.101%
47	13.337	1780	1787	1791	rBV	3129	4604	1.41%	0.107%
48	13.413	1796	1800	1803	rBB2	1579	1883	0.58%	0.044%
49	13.695	1844	1848	1855	rVB	4544	7160	2.19%	0.166%
50	14.206	1929	1935	1940	rBV3	6955	10740	3.29%	0.249%
51	14.277	1940	1947	1952	rVV	91581	136696	41.82%	3.164%
52	14.324	1952	1955	1962	rVV	39885	57880	17.71%	1.340%
53	14.465	1977	1979	1987	rVB4	1599	1936	0.59%	0.045%
54	14.582	1992	1999	2007	rBV	118404	185818	56.85%	4.301%
55	14.758	2024	2029	2031	rVV	11905	16111	4.93%	0.373%
56	14.799	2031	2036	2043	rVV	76710	123877	37.90%	2.868%
57	14.888	2045	2051	2057	rVV2	183626	296030	90.57%	6.853%
58	14.952	2057	2062	2067	rVB3	1346	2728	0.83%	0.063%
59	15.052	2073	2079	2084	rBV	30453	48393	14.81%	1.120%
60	15.193	2099	2103	2105	rBV2	1844	2347	0.72%	0.054%
61	15.269	2111	2116	2121	rVB6	5329	9086	2.78%	0.210%
62	15.363	2127	2132	2140	rVB4	3449	9137	2.80%	0.212%
63	15.440	2140	2145	2148	rBV	2201	2703	0.83%	0.063%
64	15.546	2160	2163	2167	rBV3	3913	5634	1.72%	0.130%
65	15.598	2167	2172	2178	rBV2	2897	5507	1.68%	0.127%
66	15.663	2178	2183	2185	rBV2	3713	4903	1.50%	0.113%
67	15.698	2185	2189	2195	rVB	16251	21013	6.43%	0.486%
68	15.763	2195	2200	2204	rBV7	1661	3703	1.13%	0.086%
69	15.869	2213	2218	2224	rBV	151322	227705	69.67%	5.271%
70	15.927	2227	2228	2232	rVV4	2605	1957	0.60%	0.045%
71	15.974	2232	2236	2241	rVB	16828	24418	7.47%	0.565%

LSC Area Percent Report

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Acq On : 10 Feb 2016 12:08
Operator : SJ/UM
Sample : H1390-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04P9

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-BG020816.M
Title : SVOA CALIBRATION

72	16.109	2252	2259	2262	rVV	6272	11684	3.57%	0.270%
73	16.209	2270	2276	2279	rBV5	2189	3830	1.17%	0.089%
74	16.321	2292	2295	2298	rBV2	2668	3452	1.06%	0.080%
75	16.562	2331	2336	2338	rBV	17209	23378	7.15%	0.541%
76	16.685	2354	2357	2358	rBV2	2512	2127	0.65%	0.049%
77	16.897	2389	2393	2397	rBV6	2987	4997	1.53%	0.116%
78	17.067	2419	2422	2425	rBV3	2933	3638	1.11%	0.084%
79	17.214	2444	2447	2452	rVB2	11676	16858	5.16%	0.390%
80	17.355	2466	2471	2474	rBV2	11070	14435	4.42%	0.334%
81	17.402	2476	2479	2483	rVB3	5629	7759	2.37%	0.180%
82	17.619	2510	2516	2521	rBV2	205795	314312	96.16%	7.276%
83	17.660	2521	2523	2528	rVV	30030	40682	12.45%	0.942%
84	17.719	2528	2533	2543	rVV	160822	245149	75.00%	5.675%
85	17.790	2543	2545	2552	rVB6	4808	7327	2.24%	0.170%
86	17.972	2573	2576	2580	rBV6	3884	6122	1.87%	0.142%
87	18.013	2581	2583	2588	rVB3	4433	5235	1.60%	0.121%
88	18.089	2593	2596	2601	rVB2	7566	10197	3.12%	0.236%
89	18.248	2621	2623	2624	rBV2	2416	1896	0.58%	0.044%
90	18.483	2659	2663	2668	rBV3	14099	24231	7.41%	0.561%
91	18.559	2669	2676	2682	rVB2	24022	45371	13.88%	1.050%
92	18.729	2700	2705	2710	rVB3	41873	57688	17.65%	1.335%
93	18.900	2730	2734	2739	rVB3	26495	36505	11.17%	0.845%
94	19.076	2760	2764	2774	rVB	65004	97053	29.69%	2.247%
95	19.217	2784	2788	2794	rVB	33818	46262	14.15%	1.071%
96	19.652	2858	2862	2867	rBV	47155	66381	20.31%	1.537%
97	19.699	2867	2870	2875	rVB2	32574	43309	13.25%	1.003%
98	19.987	2913	2919	2923	rBV	174590	284568	87.06%	6.587%
99	20.415	2989	2992	2997	rVB	30565	35467	10.85%	0.821%
100	21.902	3240	3245	3251	rVB	184311	326848	100.00%	7.566%

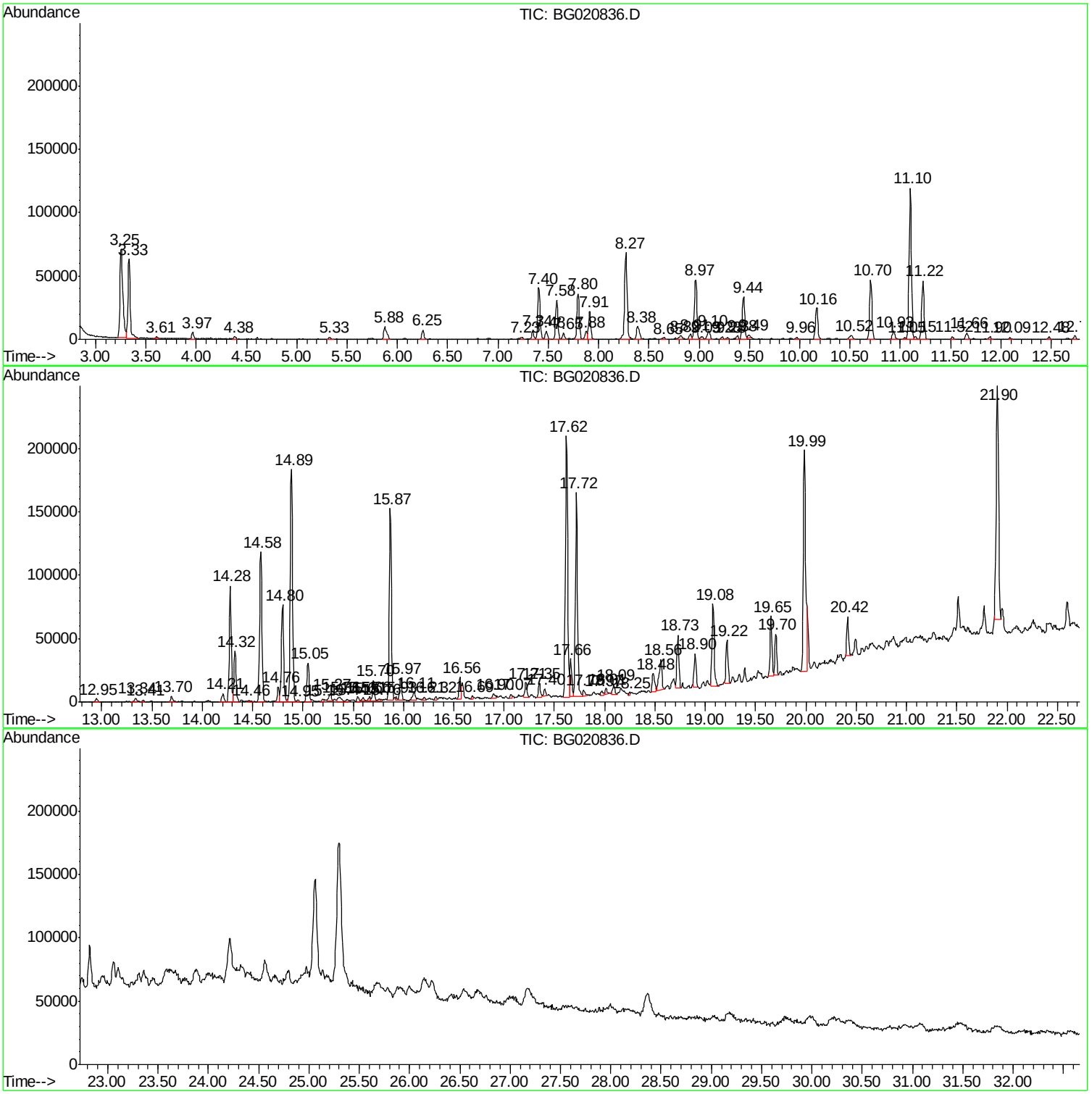
Sum of corrected areas: 4319994

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021016\
Data File : BG020836.D
Acq On : 10 Feb 2016 12:08
Operator : SJ/UM
Sample : H1390-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C04P9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

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



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Sample : H1390-05
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

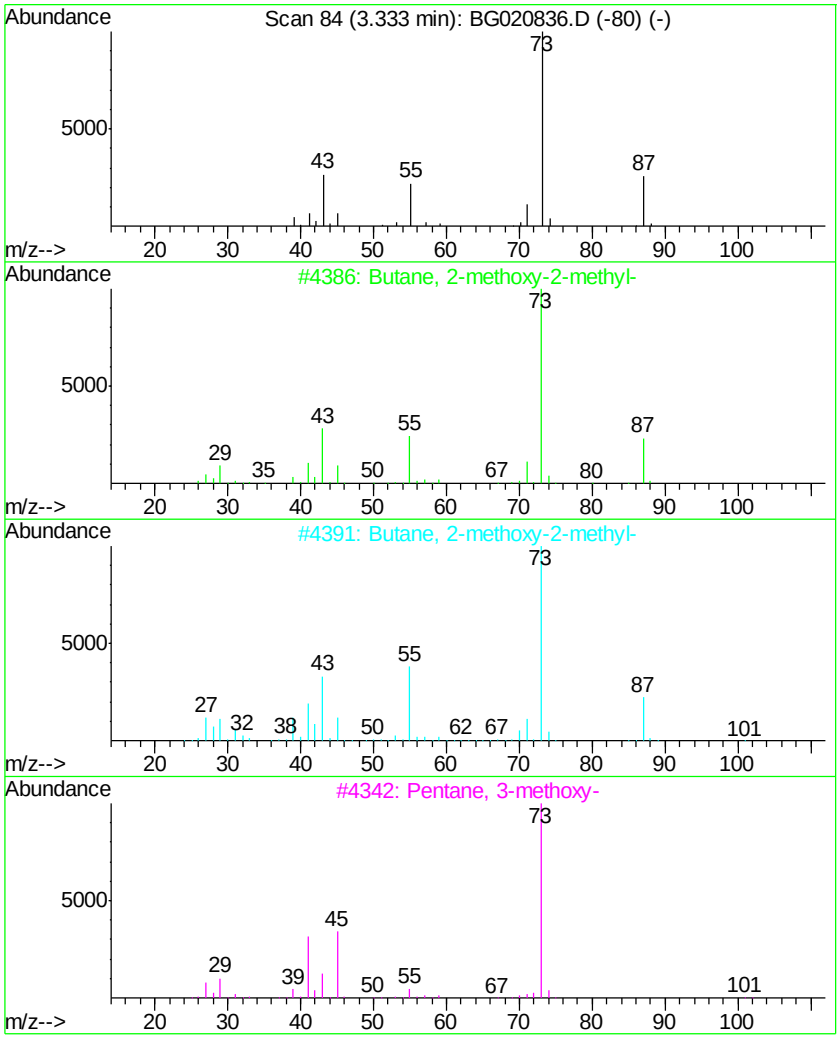
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

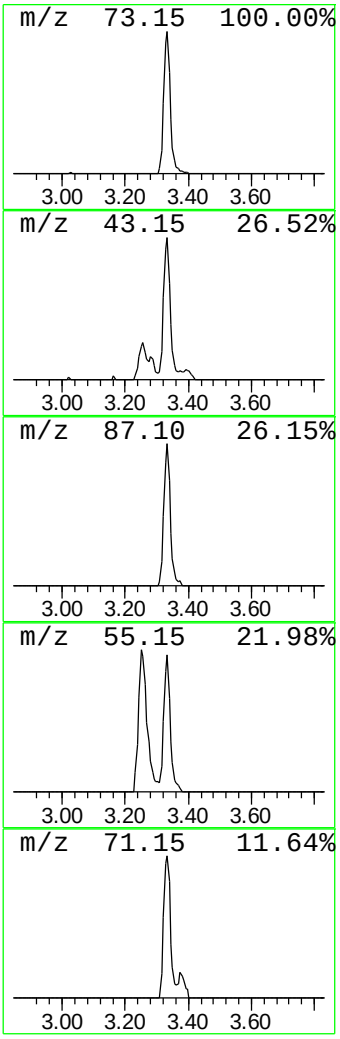
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.33	15.93 ng/ul	94758	1,4-Dichlorobenzene-d4	8.27

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	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021016\
Data File : BG020836.D
Acq On : 10 Feb 2016 12:08
Operator : SJ/UM
Sample : H1390-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04P9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

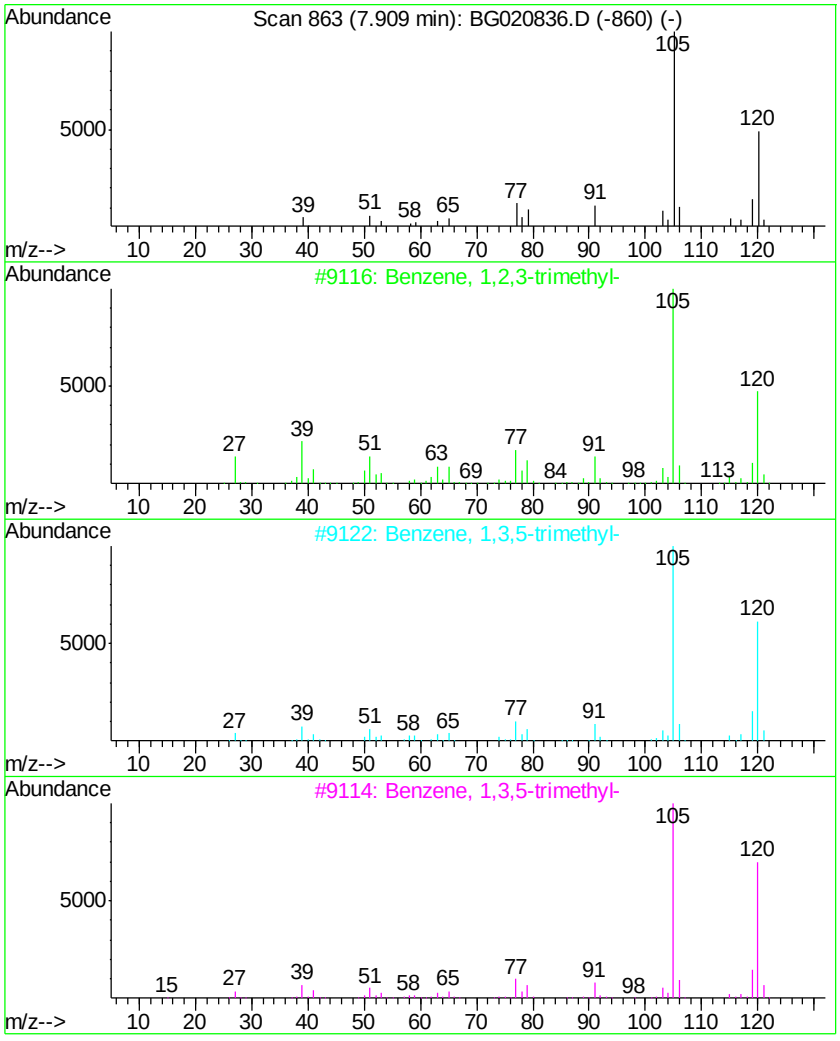
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

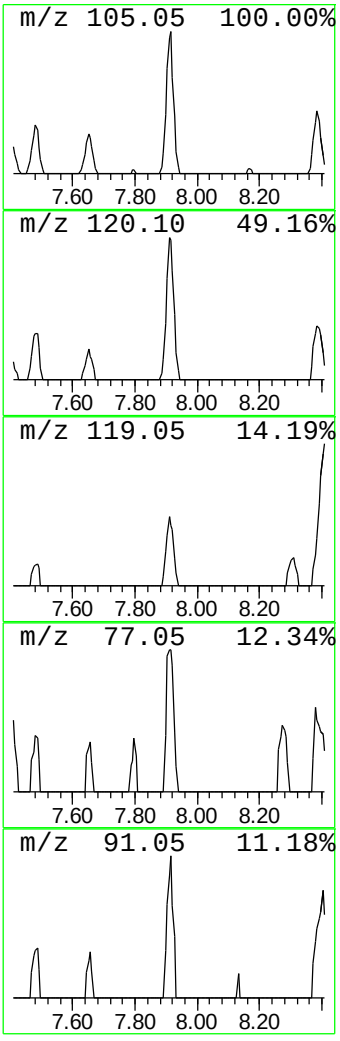
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	5.85 ng/ul	34824	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





Library Search Compound Report

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Data File : BG020836.D
Acq On : 10 Feb 2016 12:08
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Sample : H1390-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04P9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

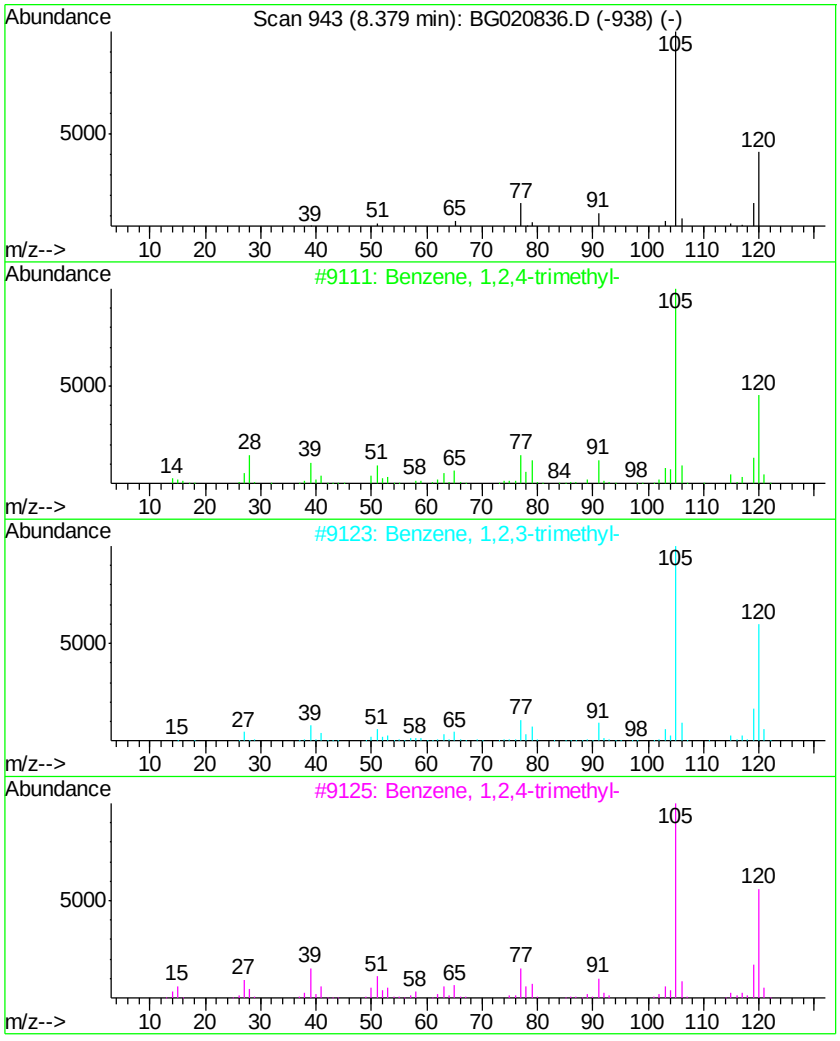
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

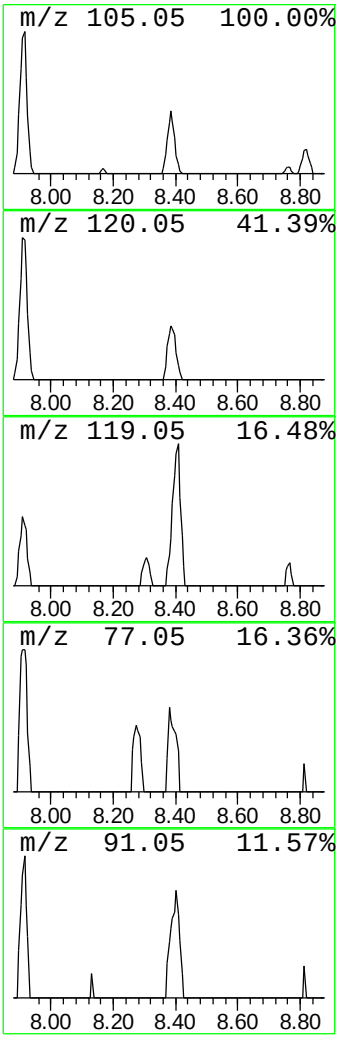
****

Peak Number 5 Benzene, 1,2,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	3.69 ng/ul	21961	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	86
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021016\
Data File : BG020836.D
Acq On : 10 Feb 2016 12:08
Operator : SJ/UM
Sample : H1390-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04P9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

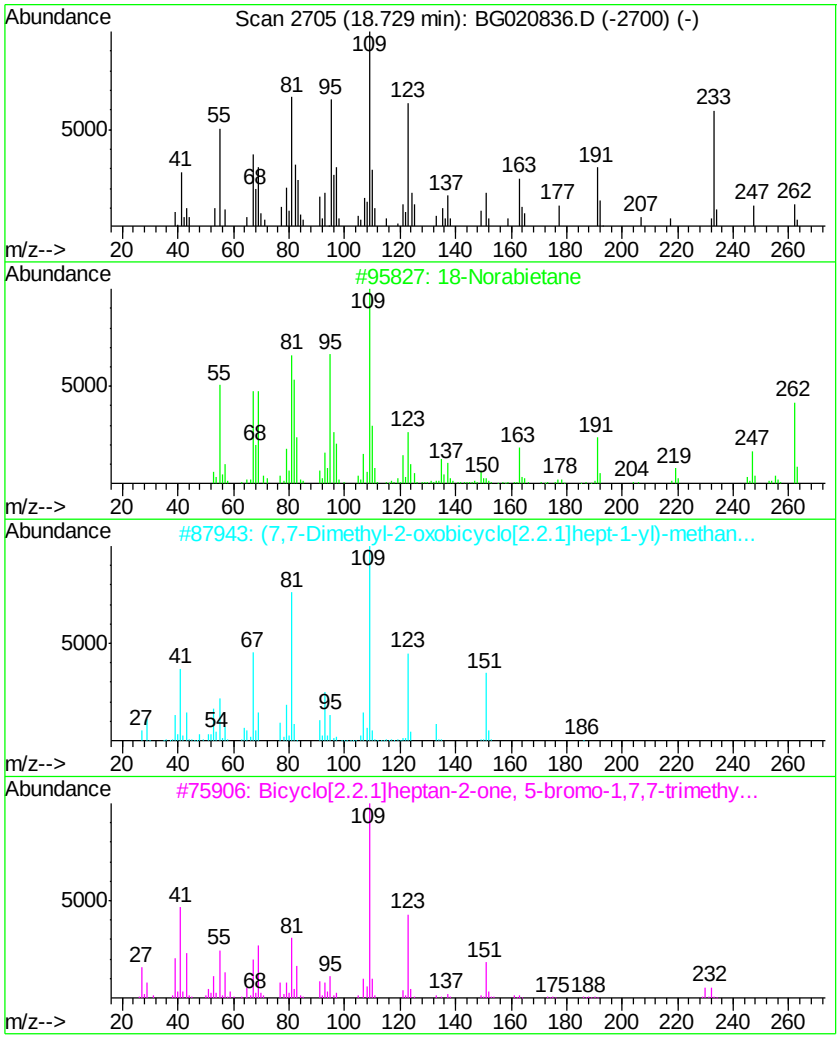
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

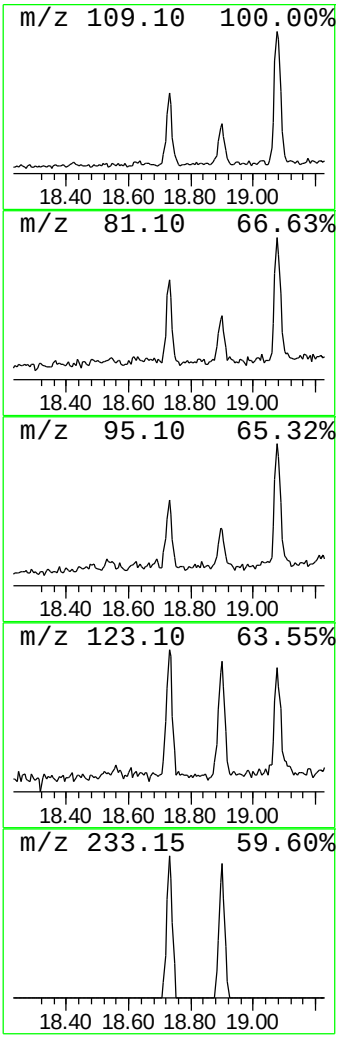
****

Peak Number 7 18-Norabietane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	3.67 ng/ul	57688	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	52
2	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	250	C10H15ClO3S	1000194-76-1	27
3	Bicyclo[2.2.1]heptan-2-one, 5-br...	230	C10H15BrO	010293-00-2	22
4	Methyl ethyl ketone, N-(3-methyl...	233	C12H15N3S	1000292-93-2	18
5	Bicyclo[2.2.1]hept-2-en-2-amine,...	137	C9H15N	041455-23-6	14





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021016\
Data File : BG020836.D
Acq On : 10 Feb 2016 12:08
Operator : SJ/UM
Sample : H1390-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04P9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

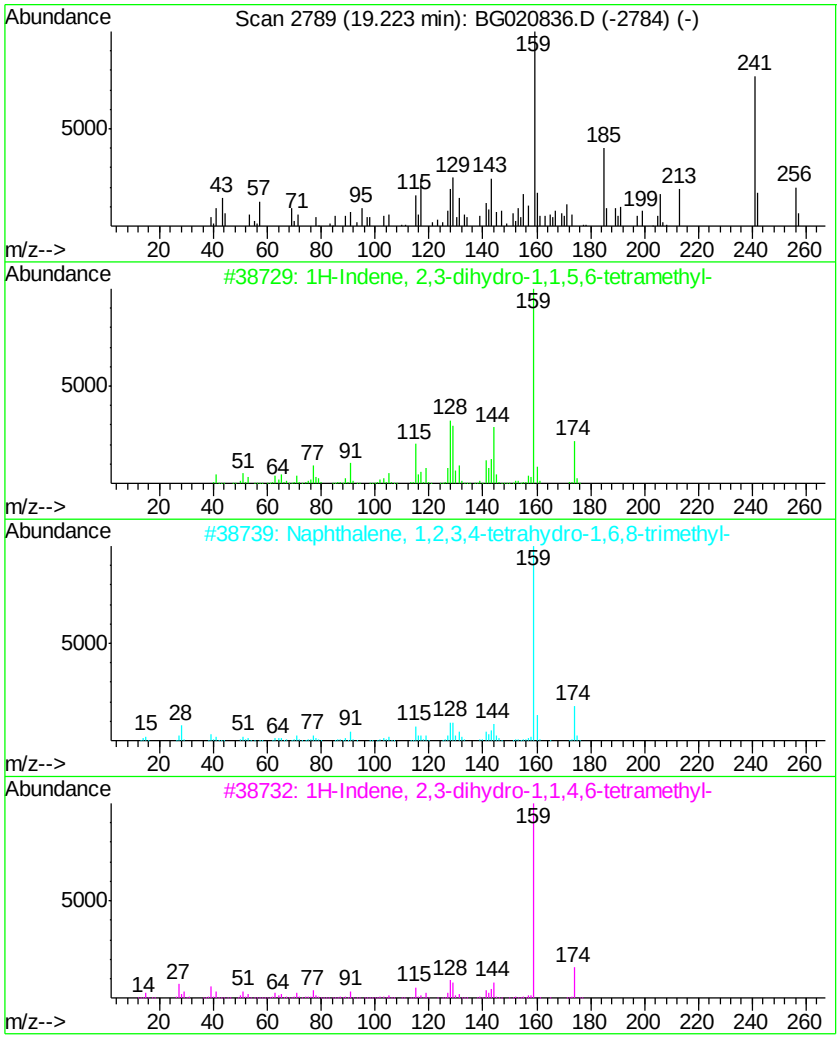
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

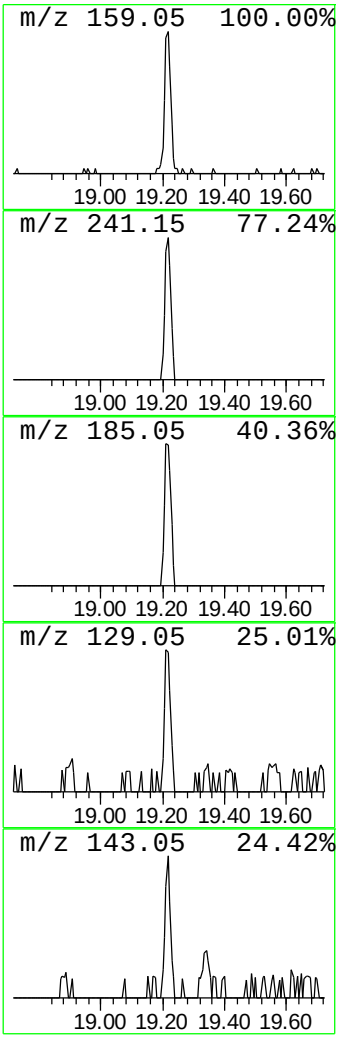
****

Peak Number 10 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	2.94 ng/ul	46262	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5,6-t...	174	C13H18	000942-43-8	38
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	38
3	1H-Indene, 2,3-dihydro-1,1,4,6-t...	174	C13H18	000941-60-6	38
4	Indan, 1,1,6,7-tetramethyl-	174	C13H18	016204-58-3	38
5	Propanoic acid, 2-[4-(1-buten-3-...	218	C14H18O2	1000161-46-7	35





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021016\
Data File : BG020836.D
Acq On : 10 Feb 2016 12:08
Operator : SJ/UM
Sample : H1390-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04P9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.M
Quant Title : SVOA CALIBRATION

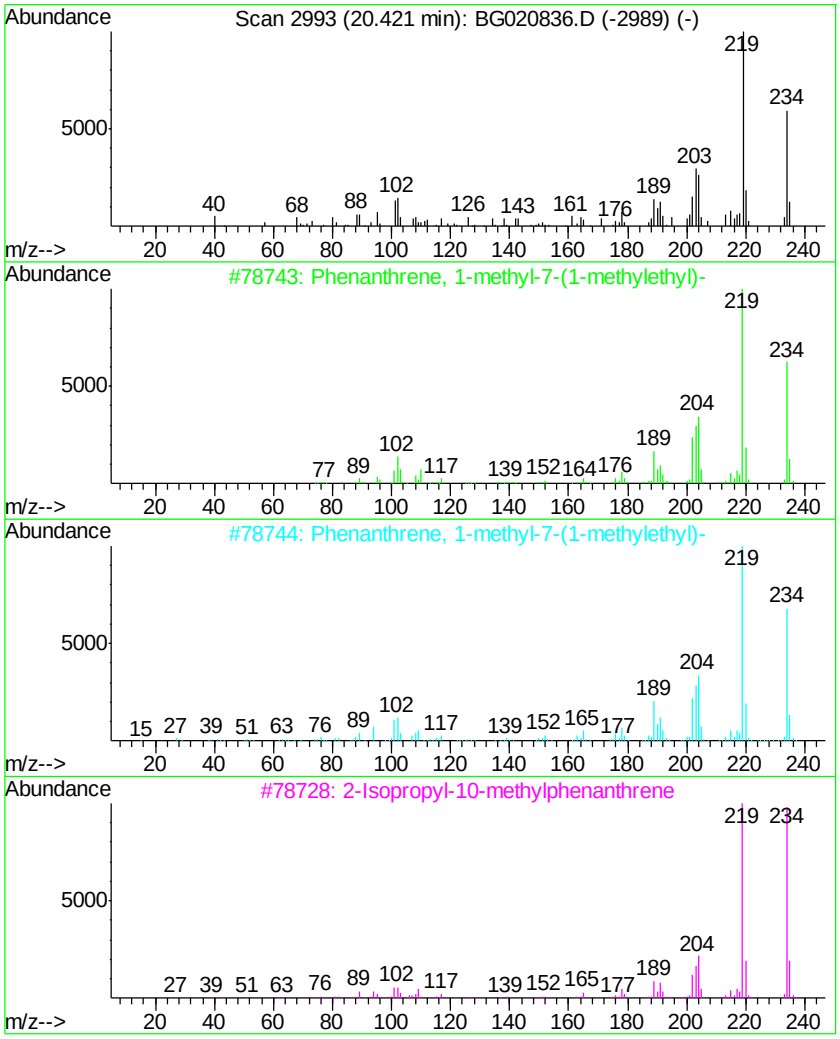
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

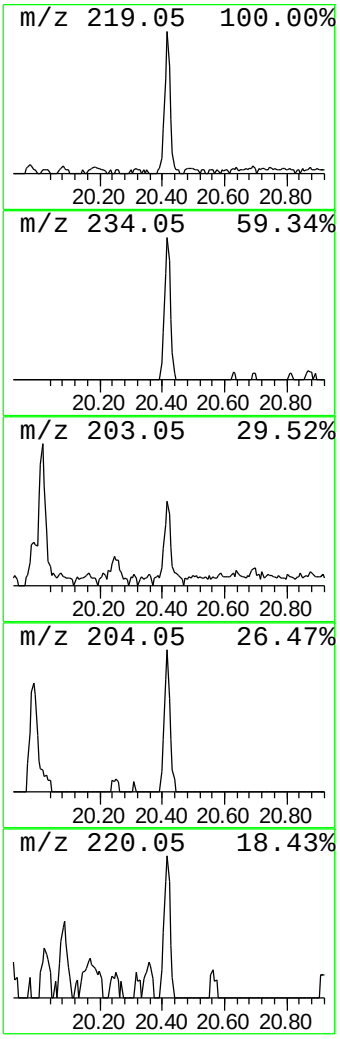
****

Peak Number 11 Phenanthrene, 1-methyl-7-(1... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	2.17 ng/ul	35467	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	96
2	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	90
3	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	90
4	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	78
5	2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021016\
Data File : BG020836.D
Acq On : 10 Feb 2016 12:08
Operator : SJ/UM
Sample : H1390-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C04P9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG020816.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...	3.33	15.9	ng/ul	94758	1	8.27	118970	20.0
Benzene, 1,2,3-tr...	7.91	5.8	ng/ul	34824	1	8.27	118970	20.0
Benzene, 1,2,4-tr...	8.38	3.7	ng/ul	21961	1	8.27	118970	20.0
18-Norabietane	18.73	3.7	ng/ul	57688	4	17.62	314312	20.0
unknown-01	19.22	2.9	ng/ul	46262	4	17.62	314312	20.0
Phenanthrene, 1-m...	20.42	2.2	ng/ul	35467	5	21.91	326848	20.0