LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018928.D
Acq On : 27 Sep 2015 00:45
Operator : UM/NP
Sample : G3798-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G73

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-BG091015.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	2.879	5	7	23	rVB2	83584	190035	9.53%	0.758%
2	3.096	39	44	52	rVV2	90272	174229	8.74%	0.695%
3	3.172	52	57	76	rVB	1144575	1692443	84.88%	6.750%
4	3.425	98	100	101	rBV	4088	3361	0.17%	0.013%
5	3.960	186	191	195	rBV4	8743	10719	0.54%	0.043%
6	4.183	225	229	233	rBV4	1943	2966	0.15%	0.012%
7	4.553	289	292	296	rVB4	2052	3028	0.15%	0.012%
8	4.735	319	323	329	rVB6	2771	5945	0.30%	0.024%
9	5.088	379	383	390	rBV4	3863	7906	0.40%	0.032%
10	7.168	729	737	745	rBV	93122	158954	7.97%	0.634%
11	7.321	757	763	770	rVB	80573	130467	6.54%	0.520%
12	7.532	791	799	807	rVB	98710	165615	8.31%	0.661%
13	7.608	809	812	814	rBV2	3533	3105	0.16%	0.012%
14	7.996	871	878	886	rBV	190632	319129	16.01%	1.273%
15	8.707	992	999	1008	rBV	116441	200052	10.03%	0.798%
16	9.154	1067	1075	1081	rBV	93735	162272	8.14%	0.647%
17	9.212	1083	1085	1092	rVB6	3399	4364	0.22%	0.017%
18	9.876	1191	1198	1208	rBV2	79819	142553	7.15%	0.569%
19	10.423	1284	1291	1303	rBV	129905	240434	12.06%	0.959%
20	10.793	1345	1354	1361	rBV	282653	504135	25.28%	2.011%
21	10.928	1369	1377	1388	rBV	93827	177866	8.92%	0.709%
22	12.203	1589	1594	1598	rVB4	4031	5581	0.28%	0.022%
23	12.444	1633	1635	1641	rVB3	2700	3581	0.18%	0.014%
24	13.225	1763	1768	1772	rBV2	2256	3572	0.18%	0.014%
25	13.431	1799	1803	1808	rBV4	5003	8678	0.44%	0.035%
26	14.019	1896	1903	1907	rBV	261665	386555	19.39%	1.542%
27	14.066	1907	1911	1920	rVV	87377	135692	6.81%	0.541%
28	14.248	1940	1942	1945	rVB4	2608	2696	0.14%	0.011%
29	14.312	1946	1953	1966	rVV	363258	571679	28.67%	2.280%
30	14.506	1981	1986	1992	rVB3	7844	11541	0.58%	0.046%
31	14.618	1995	2005	2012	rBV2	467801	762117	38.22%	3.040%
32	14.677	2012	2015	2020	rVB	9753	14381	0.72%	0.057%
33	14.829	2034	2041	2050	rBV2	63613	118929	5.96%	0.474%
34	15.017	2068	2073	2078	rBV4	9232	15794	0.79%	0.063%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018928.D
Acq On : 27 Sep 2015 00:45
Operator : UM/NP
Sample : G3798-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G73

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-BG091015.M
Title : SVOA CALIBRATION

35	15.405	2134	2139	2143	rBV3	5529	9808	0.49%	0.039%
36	15.452	2143	2147	2152	rVB3	10949	13419	0.67%	0.054%
37	15.605	2166	2173	2179	rBV	500631	757863	38.01%	3.023%
38	15.664	2179	2183	2187	rVV3	14447	23140	1.16%	0.092%
39	15.728	2189	2194	2201	rVV2	52092	78057	3.91%	0.311%
40	15.846	2207	2214	2219	rBV6	9861	19990	1.00%	0.080%
41	15.957	2229	2233	2234	rBV2	5899	6942	0.35%	0.028%
42	16.063	2250	2251	2255	rBV4	4196	5785	0.29%	0.023%
43	16.099	2255	2257	2260	rVB3	4315	4617	0.23%	0.018%
44	16.175	2265	2270	2271	rVB3	2508	2952	0.15%	0.012%
45	16.192	2271	2273	2279	rVB5	2215	3126	0.16%	0.012%
46	16.316	2290	2294	2295	rBV4	14982	18413	0.92%	0.073%
47	16.439	2311	2315	2316	rBV4	2751	3384	0.17%	0.013%
48	16.492	2321	2324	2326	rVB3	2923	2884	0.14%	0.012%
49	16.557	2331	2335	2342	rBV9	14776	32205	1.62%	0.128%
50	16.710	2357	2361	2362	rBV4	2829	3187	0.16%	0.013%
51	16.721	2362	2363	2365	rVB2	4832	2836	0.14%	0.011%
52	16.892	2388	2392	2395	rBV6	5475	8161	0.41%	0.033%
53	17.009	2407	2412	2419	rVB2	19455	28501	1.43%	0.114%
54	17.103	2422	2428	2431	rBV4	15411	23415	1.17%	0.093%
55	17.180	2434	2441	2446	rVB2	21099	47374	2.38%	0.189%
56	17.268	2450	2456	2461	rBV8	6420	13535	0.68%	0.054%
57	17.362	2464	2472	2475	rBV	597593	915889	45.94%	3.653%
58	17.403	2475	2479	2483	rVB	370620	534477	26.81%	2.132%
59	17.456	2483	2488	2493	rBV2	367521	539314	27.05%	2.151%
60	17.544	2499	2503	2509	rVB	50552	80377	4.03%	0.321%
61	17.632	2515	2518	2522	rBV5	6069	9393	0.47%	0.037%
62	17.761	2532	2540	2545	rBV	77272	127817	6.41%	0.510%
63	17.838	2550	2553	2556	rVV4	10438	16159	0.81%	0.064%
64	17.879	2557	2560	2565	rVB6	13179	18947	0.95%	0.076%
65	17.943	2567	2571	2573	rVB4	6821	9907	0.50%	0.040%
66	18.020	2580	2584	2588	rVB6	8147	11483	0.58%	0.046%
67	18.231	2616	2620	2624	rBV	45227	68448	3.43%	0.273%
68	18.278	2624	2628	2633	rVB	62348	86439	4.34%	0.345%
69	18.355	2639	2641	2646	rVB4	10335	16223	0.81%	0.065%
70	18.390	2646	2647	2648	rBV	6406	4411	0.22%	0.018%
71	18.431	2648	2654	2658	rBV3	81537	145494	7.30%	0.580%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018928.D
Acq On : 27 Sep 2015 00:45
Operator : UM/NP
Sample : G3798-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G73

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-BG091015.M
Title : SVOA CALIBRATION

72	18.537	2667	2672	2674	rBV5	16072	22936	1.15%	0.091%
73	18.725	2700	2704	2708	rBV2	45048	63075	3.16%	0.252%
74	18.772	2708	2712	2721	rVB	100608	148144	7.43%	0.591%
75	18.848	2723	2725	2728	rBV3	8549	10168	0.51%	0.041%
76	19.154	2772	2777	2781	rBV3	29324	51385	2.58%	0.205%
77	19.283	2795	2799	2805	rBV	49089	87698	4.40%	0.350%
78	19.412	2815	2821	2827	rVB	1377394	1953057	97.95%	7.790%
79	19.506	2834	2837	2840	rBV2	24413	31622	1.59%	0.126%
80	19.741	2871	2877	2879	rBV3	745005	1131539	56.75%	4.513%
81	19.771	2879	2882	2889	rVV	1160635	1601397	80.32%	6.387%
82	19.835	2890	2893	2901	rVB3	37056	63386	3.18%	0.253%
83	19.941	2909	2911	2918	rVB	47990	67048	3.36%	0.267%
84	20.012	2919	2923	2927	rVB	68072	100020	5.02%	0.399%
85	20.088	2933	2936	2942	rVB4	45159	98799	4.96%	0.394%
86	20.258	2962	2965	2970	rVB2	142133	207116	10.39%	0.826%
87	20.358	2978	2982	2986	rBV2	93015	134239	6.73%	0.535%
88	21.016	3091	3094	3101	rVB	95186	148083	7.43%	0.591%
89	21.240	3129	3132	3137	rBV2	82375	121301	6.08%	0.484%
90	21.287	3137	3140	3146	rVV2	110445	181442	9.10%	0.724%
91	21.345	3147	3150	3157	rVB	110825	175985	8.83%	0.702%
92	21.610	3188	3195	3200	rBV3	792715	1993845	100.00%	7.953%
93	21.663	3200	3204	3215	rVB	591450	984313	49.37%	3.926%
94	21.815	3226	3230	3235	rVB	87811	140673	7.06%	0.561%
95	23.789	3559	3566	3573	rBV	498369	1479585	74.21%	5.901%
96	24.506	3682	3688	3694	rBV	250317	590806	29.63%	2.356%
97	24.583	3695	3701	3706	rVV2	230575	577141	28.95%	2.302%
98	24.647	3707	3712	3723	rVB	383129	966133	48.46%	3.854%
99	24.800	3730	3738	3746	rBV	369095	1009391	50.63%	4.026%
100	28.425	4346	4355	4378	rVB3	190514	896390	44.96%	3.575%

Sum of corrected areas: 25071463

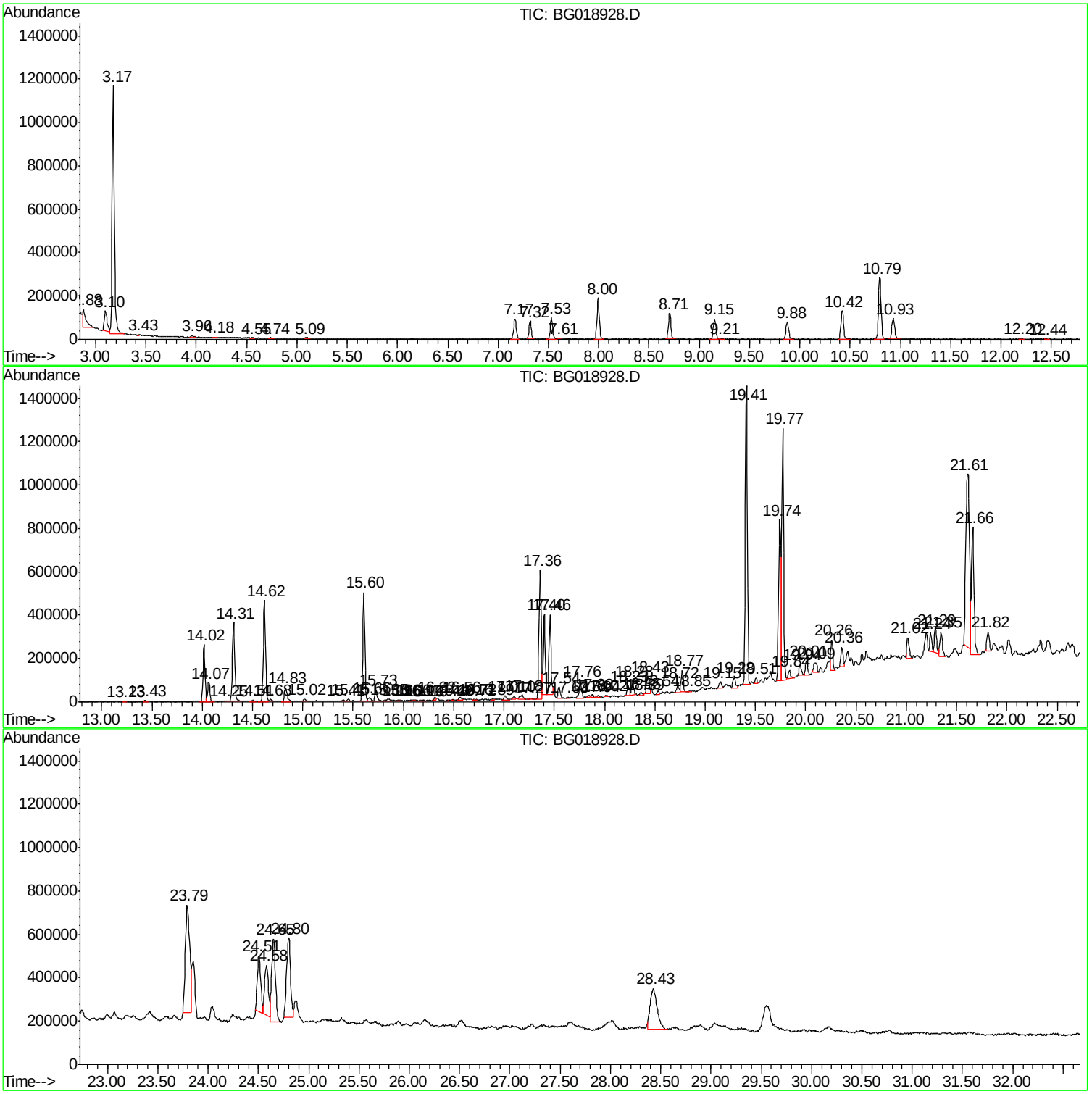
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018928.D
Acq On : 27 Sep 2015 00:45
Operator : UM/NP
Sample : G3798-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G73

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018928.D
Acq On : 27 Sep 2015 00:45
Operator : UM/NP
Sample : G3798-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G73

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

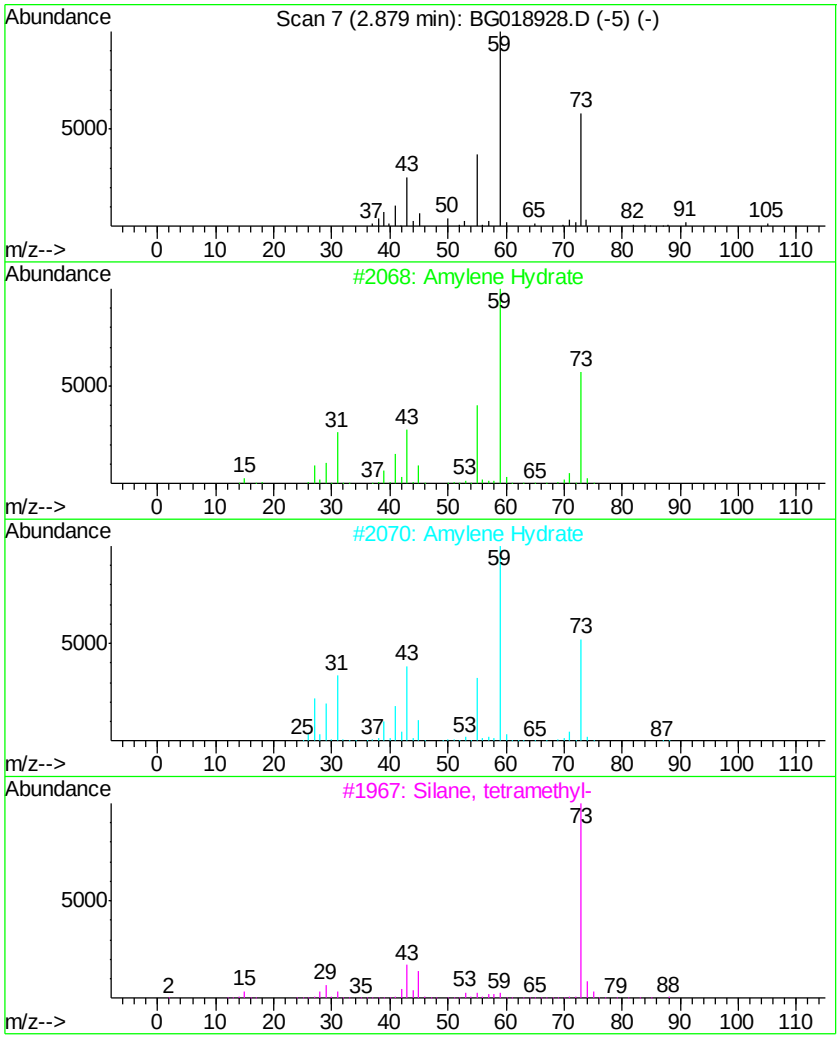
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

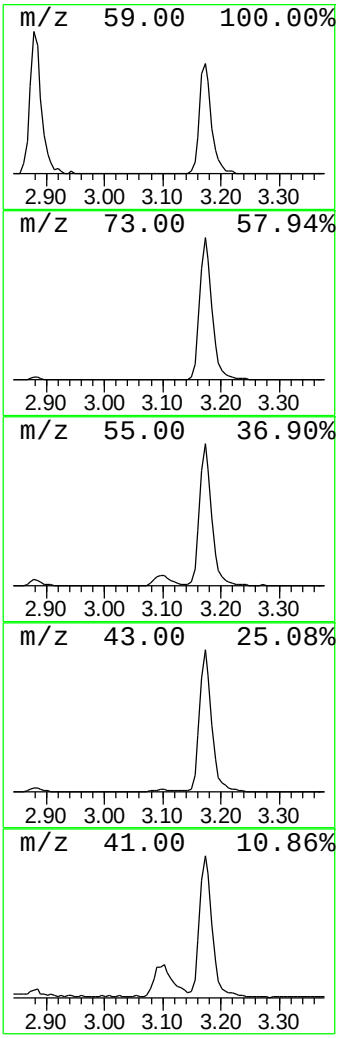
****

Peak Number 1 Amylene Hydrate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	11.91 ng/ul	190035	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	50
2	Amylene Hydrate	88	C5H12O	000075-85-4	50
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
4	Silane, trimethyl-	74	C3H10Si	000993-07-7	9
5	Amylene Hydrate	88	C5H12O	000075-85-4	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018928.D
Acq On : 27 Sep 2015 00:45
Operator : UM/NP
Sample : G3798-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G73

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

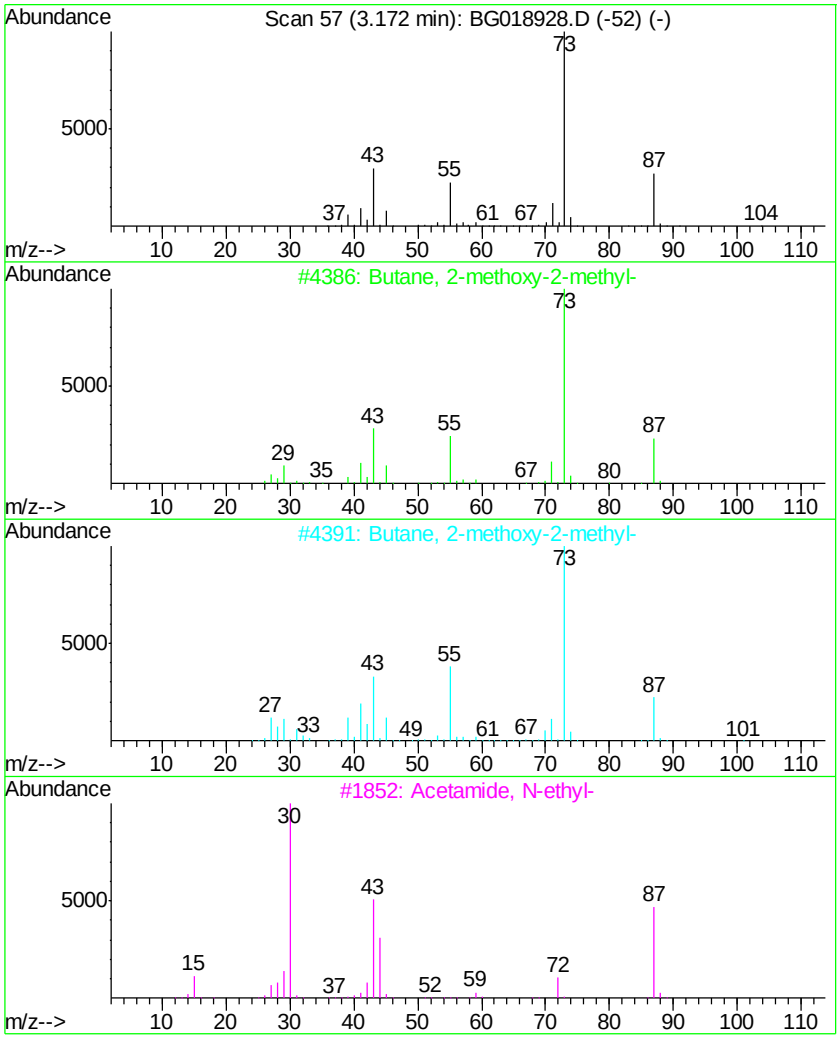
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

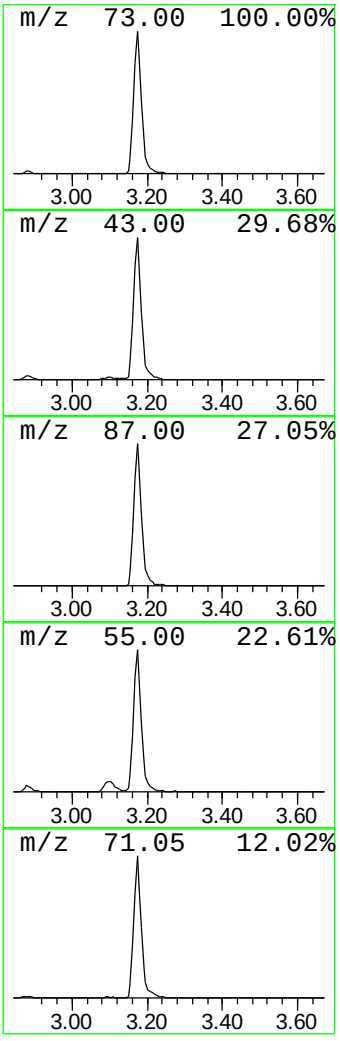
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	106.07 ng/ul	1692440	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018928.D
Acq On : 27 Sep 2015 00:45
Operator : UM/NP
Sample : G3798-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G73

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

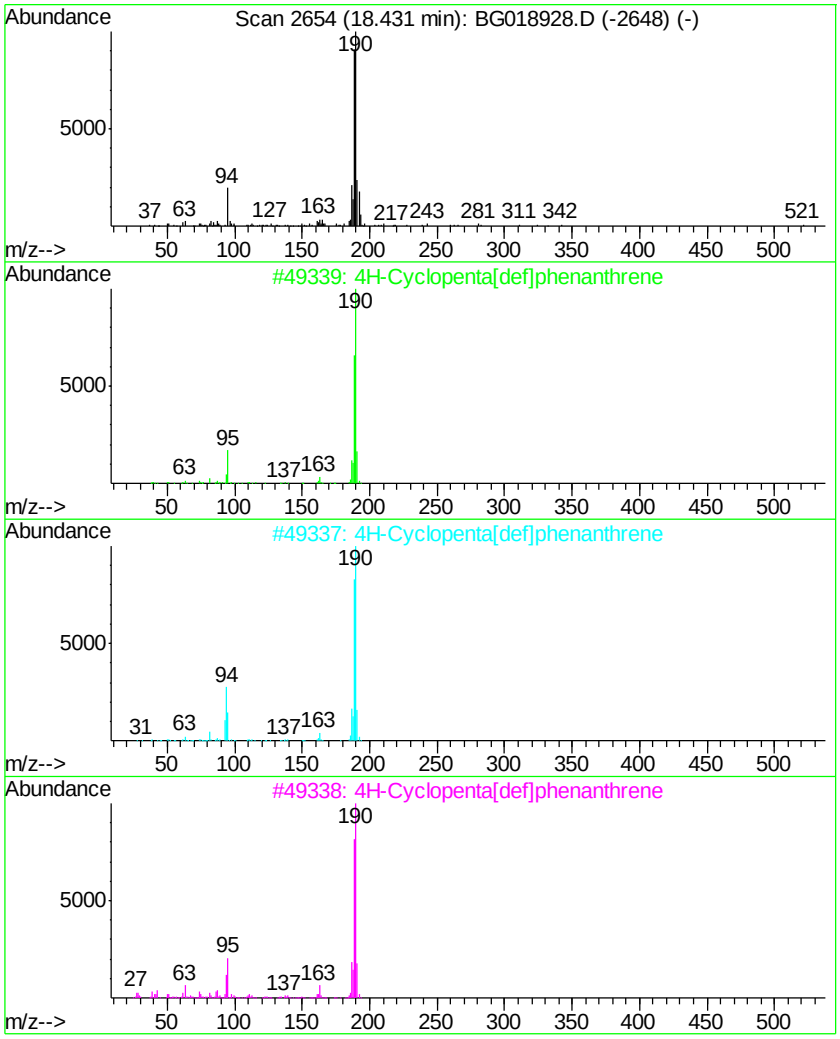
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

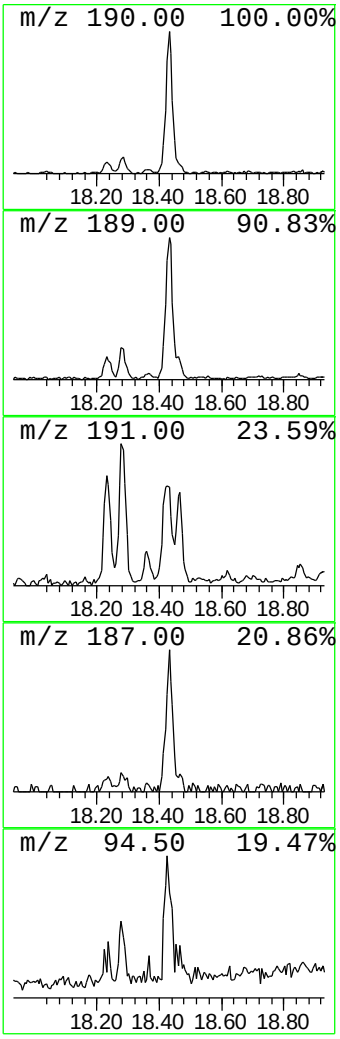
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	3.18 ng/ul	145494	Phenanthrene-d10	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Pyrimidine, 6-oxo-4-(3-fluorophe...	190	C10H7FN2O	085979-55-1	40





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018928.D
Acq On : 27 Sep 2015 00:45
Operator : UM/NP
Sample : G3798-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G73

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

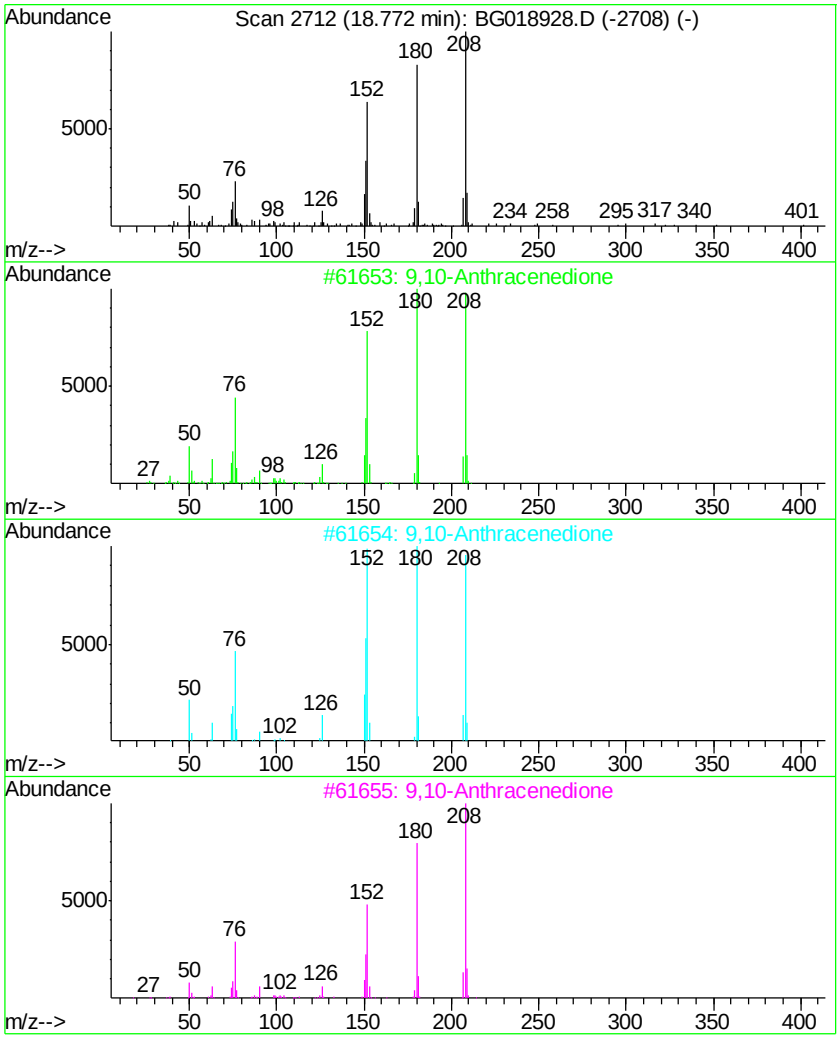
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

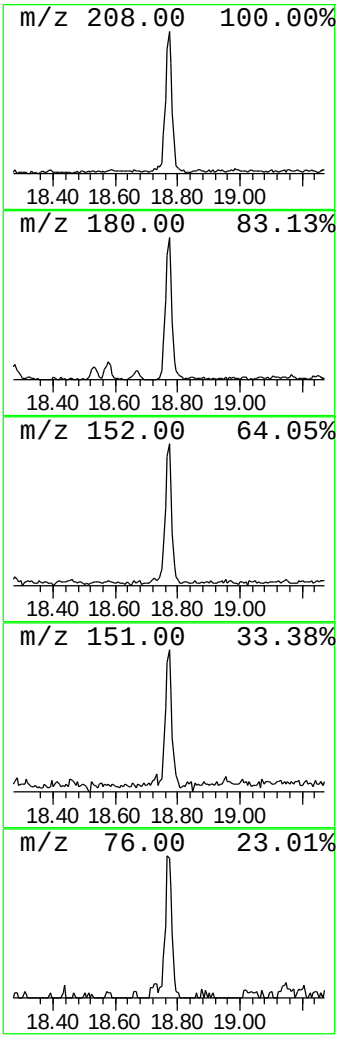
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	3.23 ng/ul	148144	Phenanthrene-d10	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018928.D
Acq On : 27 Sep 2015 00:45
Operator : UM/NP
Sample : G3798-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G73

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

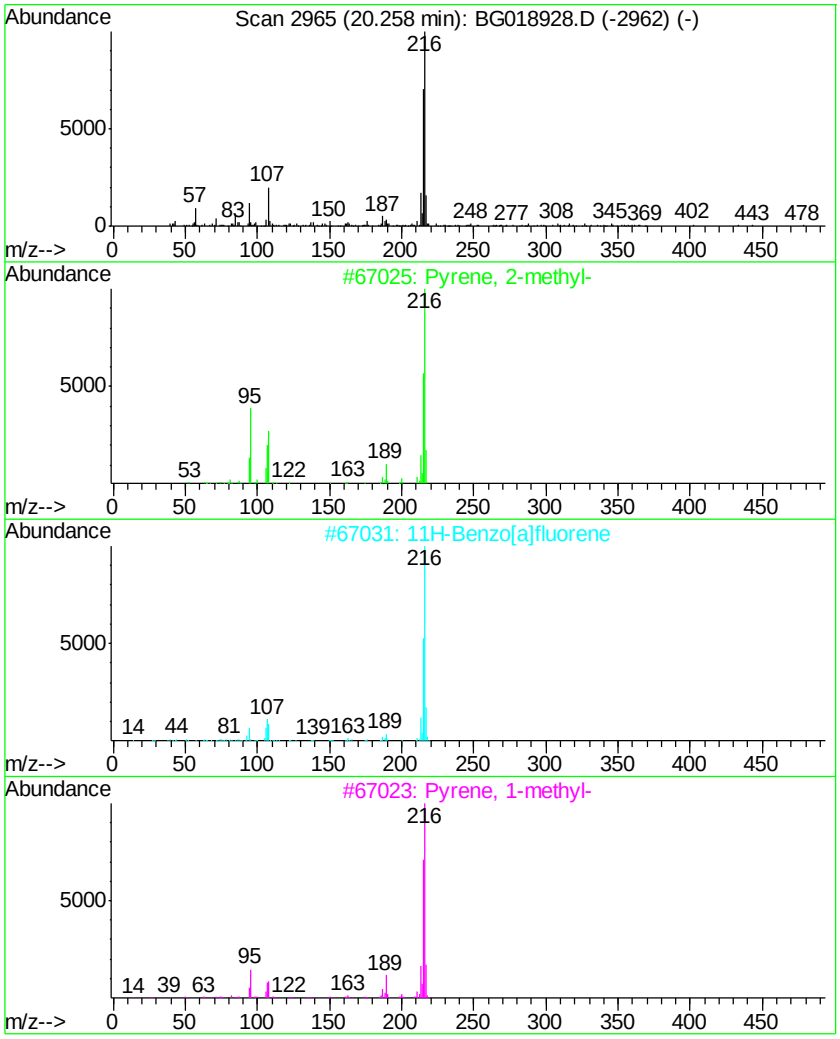
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

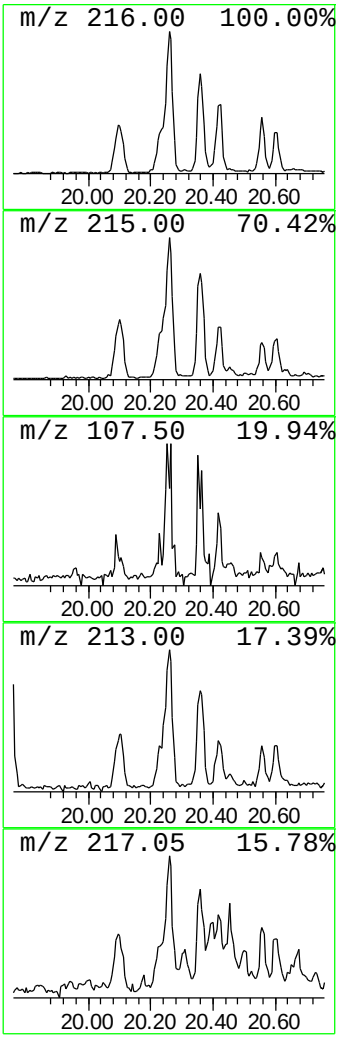
****

Peak Number 6 Pyrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.08 ng/ul	207116	Chrysene-d12	21.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018928.D
Acq On : 27 Sep 2015 00:45
Operator : UM/NP
Sample : G3798-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G73

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.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
Amylene Hydrate	2.88	11.9	ng/ul	190035	1	8.00	319129	20.0
Butane, 2-methoxy...	3.17	106.1	ng/ul	1692440	1	8.00	319129	20.0
4H-Cyclopenta[def...	18.43	3.2	ng/ul	145494	4	17.36	915889	20.0
9,10-Anthracenedione	18.77	3.2	ng/ul	148144	4	17.36	915889	20.0
Pyrene, 2-methyl-	20.26	2.1	ng/ul	207116	5	21.62	1993850	20.0