LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
Data File : BG018021.D
Acq On : 21 Jul 2015 13:51
Operator : TP/UM
Sample : G2954-17 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEC-B1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG071715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.834	21	25	30	rBV	75528	103169	3.83%	0.354%
2	4.715	339	345	352	rVB	164487	236861	8.79%	0.814%
3	5.173	417	423	431	rBV	316393	455603	16.92%	1.565%
4	6.748	681	691	698	rBV	321631	514990	19.12%	1.769%
5	7.100	745	751	762	rVB	351154	556388	20.66%	1.911%
6	7.564	824	830	837	rBV	429650	695600	25.83%	2.389%
7	7.882	876	884	893	rVB	264666	430479	15.98%	1.479%
8	8.722	1020	1027	1036	rBV	196406	325937	12.10%	1.120%
9	10.349	1296	1304	1310	rBV	634219	1059497	39.34%	3.639%
10	11.389	1476	1481	1485	rBV	21054	31872	1.18%	0.109%
11	12.018	1583	1588	1594	rVB2	17044	28702	1.07%	0.099%
12	12.840	1720	1728	1736	rVB	554733	839676	31.18%	2.884%
13	13.058	1759	1765	1773	rVB3	19139	29695	1.10%	0.102%
14	13.540	1843	1847	1852	rVB2	21162	38001	1.41%	0.131%
15	13.692	1868	1873	1876	rBV	67972	92710	3.44%	0.318%
16	13.722	1876	1878	1883	rVV3	21486	28151	1.05%	0.097%
17	13.951	1910	1917	1924	rVB2	22753	39353	1.46%	0.135%
18	14.145	1945	1950	1955	rBV3	22702	29500	1.10%	0.101%
19	14.233	1955	1965	1971	rBV2	927399	1464278	54.37%	5.030%
20	14.292	1971	1975	1983	rVB	40884	67815	2.52%	0.233%
21	14.632	2025	2033	2039	rBV2	35935	59563	2.21%	0.205%
22	14.709	2039	2046	2051	rVB2	18622	27934	1.04%	0.096%
23	14.856	2065	2071	2076	rBV2	23471	45103	1.67%	0.155%
24	15.026	2093	2100	2103	rBV4	25458	48437	1.80%	0.166%
25	15.102	2109	2113	2118	rVB	31822	41037	1.52%	0.141%
26	15.279	2138	2143	2148	rVB2	41945	64096	2.38%	0.220%
27	15.508	2175	2182	2187	rBV4	24756	49306	1.83%	0.169%
28	15.578	2190	2194	2204	rVB2	26767	48963	1.82%	0.168%
29	15.725	2212	2219	2227	rVV	443741	603956	22.43%	2.075%
30	15.813	2227	2234	2240	rVB8	16178	35500	1.32%	0.122%
31	15.966	2255	2260	2262	rBV3	62864	88915	3.30%	0.305%
32	16.289	2305	2315	2321	rBV10	19740	71572	2.66%	0.246%
33	16.524	2349	2355	2358	rBV4	24637	45141	1.68%	0.155%
34	16.642	2370	2375	2380	rVV4	29751	51384	1.91%	0.177%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
Data File : BG018021.D
Acq On : 21 Jul 2015 13:51
Operator : TP/UM
Sample : G2954-17 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEC-B1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG071715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.718	2383	2388	2392	rVV3	24248	53769	2.00%	0.185%
36	16.759	2392	2395	2399	rVV2	55371	80126	2.98%	0.275%
37	16.806	2399	2403	2411	rVB3	38103	73996	2.75%	0.254%
38	16.983	2427	2433	2437	rBV2	1109319	1625495	60.36%	5.584%
39	17.024	2437	2440	2446	rVB	463946	614961	22.83%	2.112%
40	17.112	2451	2455	2460	rVV	118988	159243	5.91%	0.547%
41	17.171	2462	2465	2471	rVV4	25375	42678	1.58%	0.147%
42	17.294	2483	2486	2492	rVB4	21421	30186	1.12%	0.104%
43	17.394	2498	2503	2505	rBV	25771	33149	1.23%	0.114%
44	17.500	2518	2521	2526	rVB2	51012	64675	2.40%	0.222%
45	17.858	2578	2582	2586	rBV	72453	100540	3.73%	0.345%
46	17.905	2586	2590	2598	rVB	159807	248841	9.24%	0.855%
47	17.987	2599	2604	2609	rBV3	44010	74101	2.75%	0.255%
48	18.052	2609	2615	2619	rVV2	135676	259586	9.64%	0.892%
49	18.093	2619	2622	2626	rVB	67850	88642	3.29%	0.304%
50	18.193	2636	2639	2647	rVV2	36867	56873	2.11%	0.195%
51	18.369	2665	2669	2672	rBV	70529	90524	3.36%	0.311%
52	18.404	2672	2675	2681	rVB2	44063	62525	2.32%	0.215%
53	18.616	2708	2711	2716	rVV2	36617	42801	1.59%	0.147%
54	18.669	2716	2720	2723	rVV2	31508	47911	1.78%	0.165%
55	18.710	2723	2727	2730	rVB	31023	45940	1.71%	0.158%
56	18.792	2735	2741	2745	rVV	89353	142764	5.30%	0.490%
57	18.839	2745	2749	2754	rVV3	71225	126077	4.68%	0.433%
58	18.886	2754	2757	2759	rVV2	30089	34011	1.26%	0.117%
59	18.927	2760	2764	2771	rVB3	59325	101227	3.76%	0.348%
60	19.057	2780	2786	2793	rBV	1029358	1396553	51.86%	4.797%
61	19.121	2794	2797	2800	rBV2	24114	33743	1.25%	0.116%
62	19.157	2800	2803	2806	rVV4	25130	34554	1.28%	0.119%
63	19.198	2806	2810	2814	rVB3	29045	48903	1.82%	0.168%
64	19.298	2824	2827	2830	rBV	29658	37879	1.41%	0.130%
65	19.333	2830	2833	2838	rVB2	66105	94015	3.49%	0.323%
66	19.415	2838	2847	2856	rBV	942330	1573275	58.42%	5.404%
67	19.497	2856	2861	2868	rVB3	67040	122347	4.54%	0.420%
68	19.597	2874	2878	2879	rBV2	47623	55807	2.07%	0.192%
69	19.627	2879	2883	2894	rVB	856100	1206495	44.80%	4.144%
70	19.750	2898	2904	2911	rBV5	77941	196082	7.28%	0.674%
71	19.879	2921	2926	2928	rBV5	58533	102638	3.81%	0.353%

LSC Area Percent Report

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Data File : BG018021.D
Acq On : 21 Jul 2015 13:51
Operator : TP/UM
Sample : G2954-17 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEC-B1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BG071715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.914	2929	2932	2936	rVB	135015	180244	6.69%	0.619%
73	19.956	2936	2939	2943	rBV3	39593	53204	1.98%	0.183%
74	20.014	2946	2949	2953	rVV	84820	102319	3.80%	0.351%
75	20.073	2953	2959	2964	rVV3	104998	179841	6.68%	0.618%
76	20.114	2964	2966	2970	rVB3	24136	27727	1.03%	0.095%
77	20.214	2979	2983	2986	rBV	66171	84088	3.12%	0.289%
78	20.261	2987	2991	2995	rVV2	58702	92733	3.44%	0.319%
79	20.385	3010	3012	3017	rVB4	42625	50795	1.89%	0.174%
80	20.449	3021	3023	3026	rBV2	21585	32106	1.19%	0.110%
81	20.667	3056	3060	3066	rVB	95292	143260	5.32%	0.492%
82	20.866	3091	3094	3097	rBV	68908	78140	2.90%	0.268%
83	20.913	3097	3102	3106	rVV3	132278	219694	8.16%	0.755%
84	20.960	3107	3110	3117	rVB3	85621	144864	5.38%	0.498%
85	21.184	3141	3148	3152	rBV2	1600566	2693163	100.00%	9.251%
86	21.219	3152	3154	3161	rVB	476464	615267	22.85%	2.113%
87	21.336	3171	3174	3180	rBV2	109058	192875	7.16%	0.663%
88	21.495	3197	3201	3206	rVB2	60315	104466	3.88%	0.359%
89	21.730	3238	3241	3245	rVB	110080	131862	4.90%	0.453%
90	21.777	3246	3249	3254	rVB2	95130	118446	4.40%	0.407%
91	21.918	3270	3273	3276	rBV	60886	77433	2.88%	0.266%
92	22.235	3324	3327	3335	rVB4	117740	194847	7.23%	0.669%
93	22.365	3346	3349	3356	rVB3	83306	129726	4.82%	0.446%
94	22.735	3406	3412	3416	rBV	537167	1124467	41.75%	3.863%
95	22.899	3436	3440	3450	rVB	111830	196871	7.31%	0.676%
96	23.205	3487	3492	3500	rVB2	315171	612265	22.73%	2.103%
97	23.299	3502	3508	3515	rBV	462292	853806	31.70%	2.933%
98	23.399	3518	3525	3531	rBV2	950294	1855106	68.88%	6.372%
99	25.631	3898	3905	3917	rVB2	251678	713306	26.49%	2.450%
100	26.319	4015	4022	4035	rVB3	177799	556332	20.66%	1.911%

Sum of corrected areas: 29111369

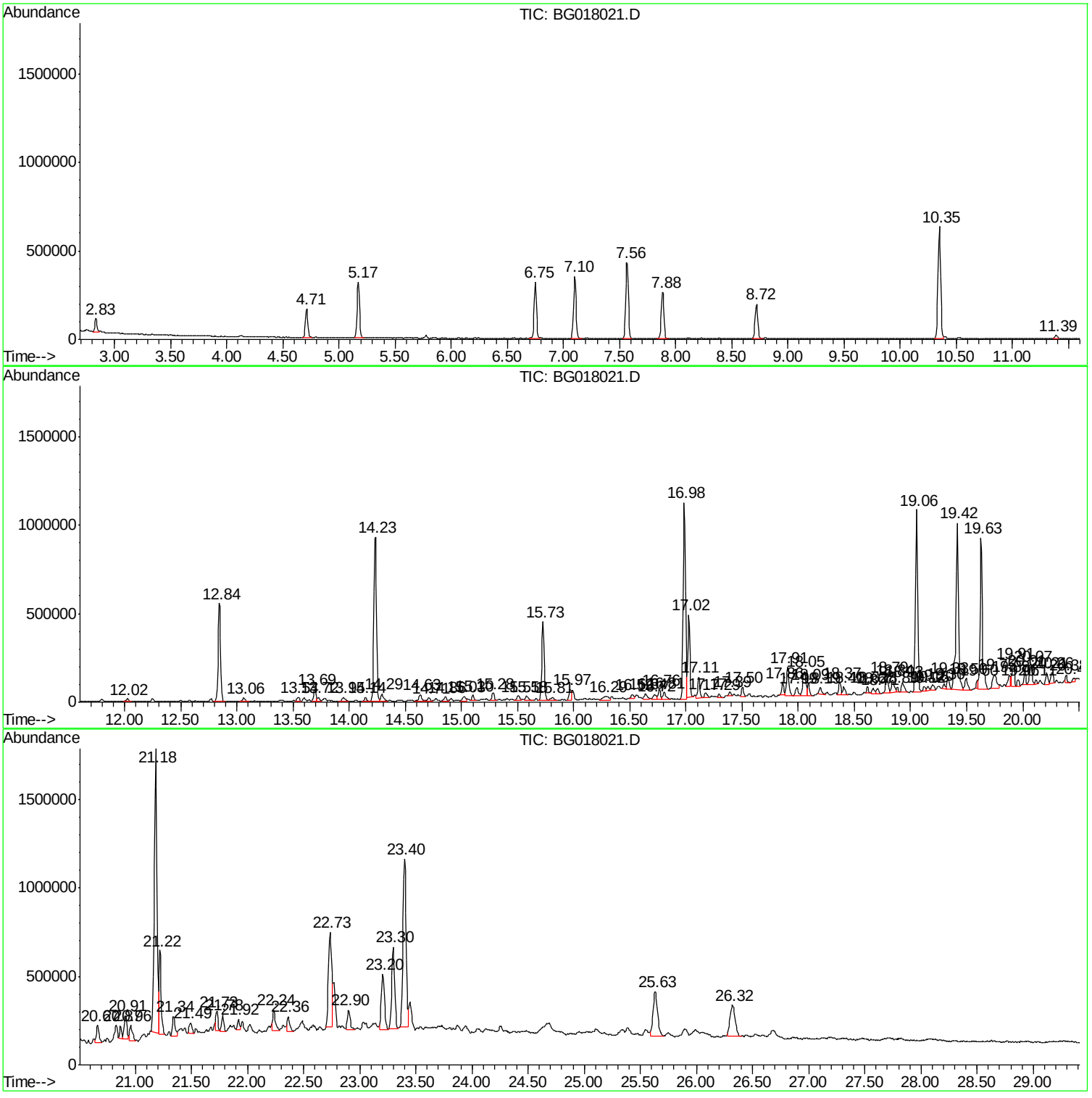
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
Data File : BG018021.D
Acq On : 21 Jul 2015 13:51
Operator : TP/UM
Sample : G2954-17 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TEC-B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
Data File : BG018021.D
Acq On : 21 Jul 2015 13:51
Operator : TP/UM
Sample : G2954-17 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEC-B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

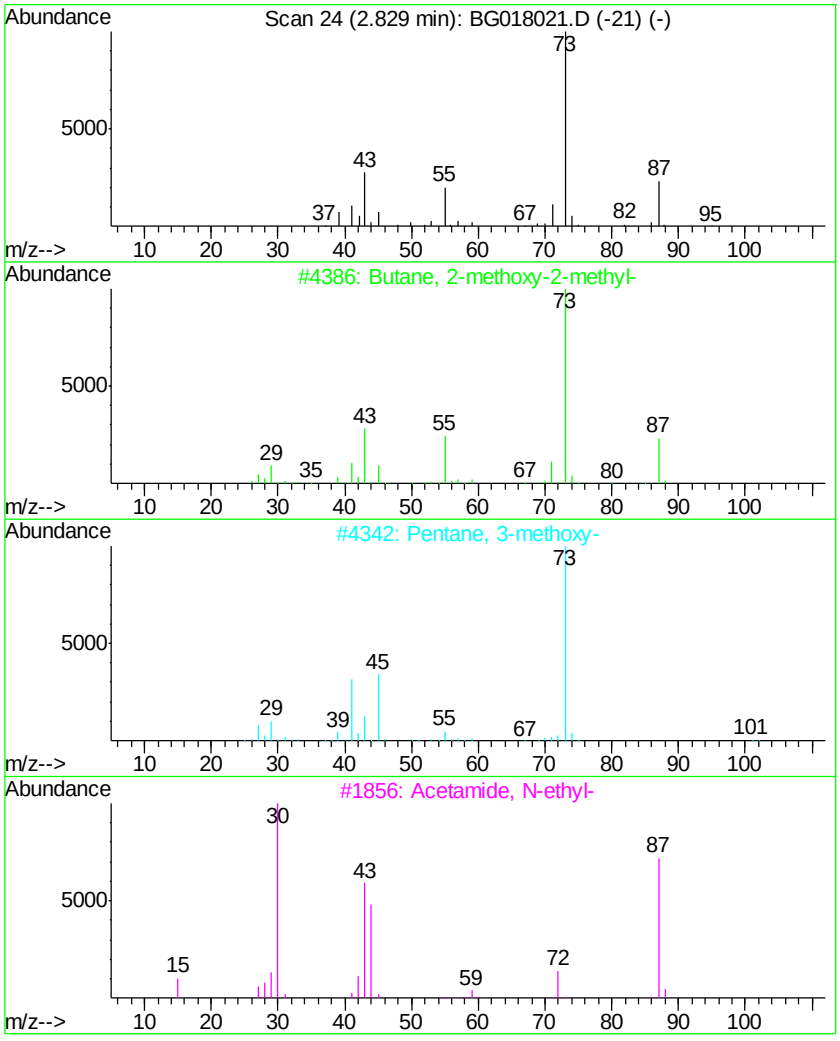
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

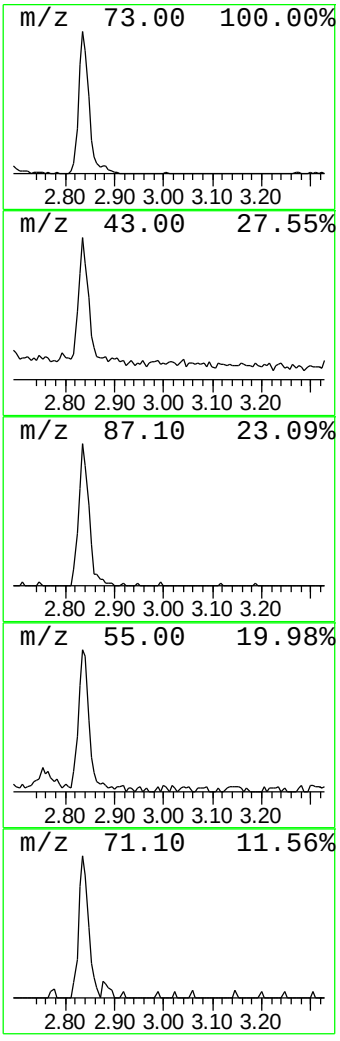
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.83	2.97 ng	103169	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
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\BG072115\
Data File : BG018021.D
Acq On : 21 Jul 2015 13:51
Operator : TP/UM
Sample : G2954-17 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEC-B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

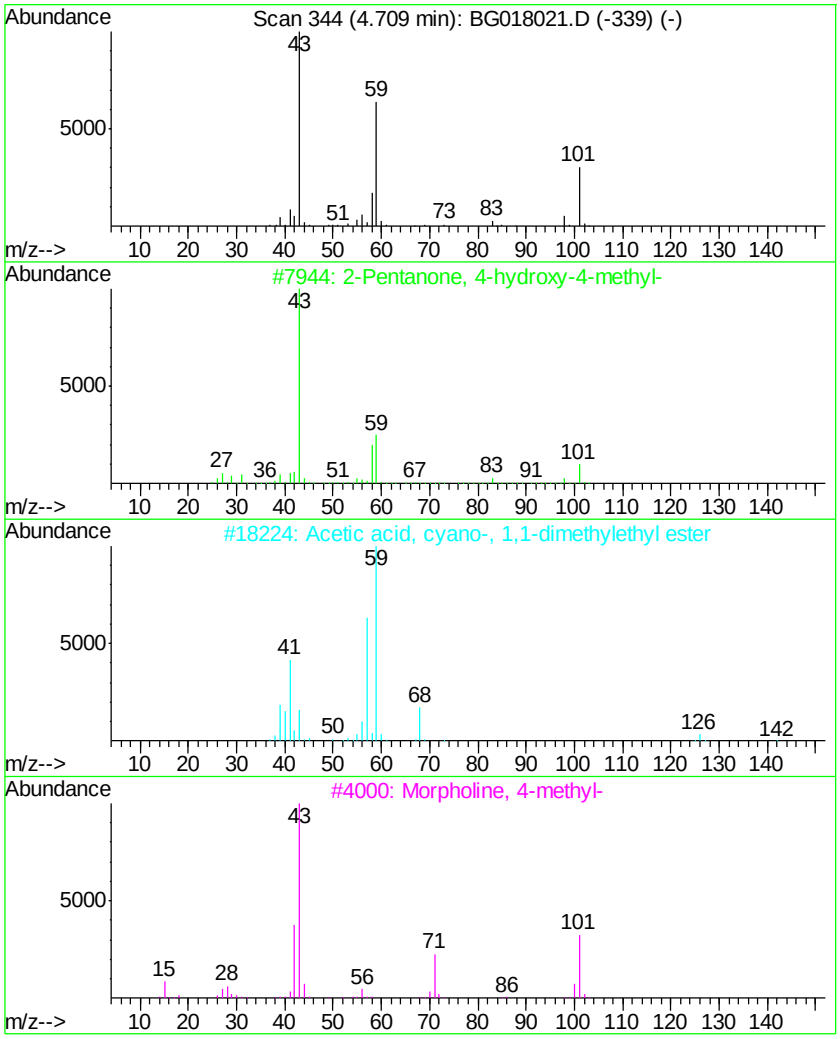
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

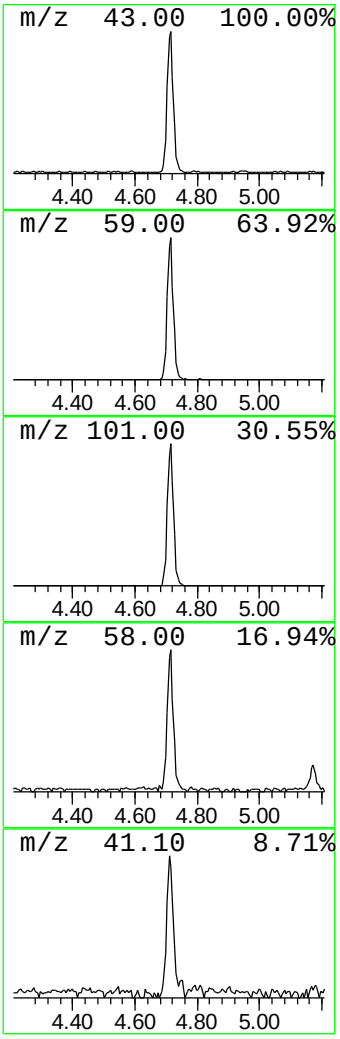
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	6.81 ng	236861	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
Data File : BG018021.D
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Operator : TP/UM
Sample : G2954-17 5X
Misc :
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Instrument : BNA_G
ClientSampleId : TEC-B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

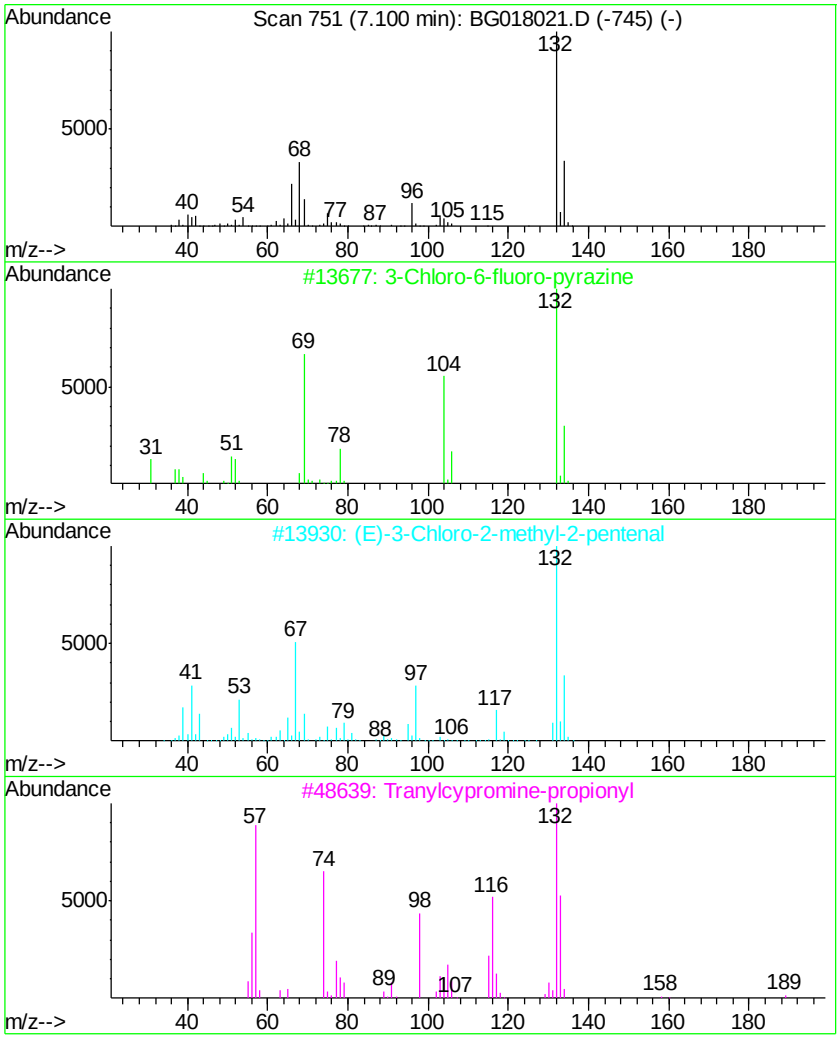
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

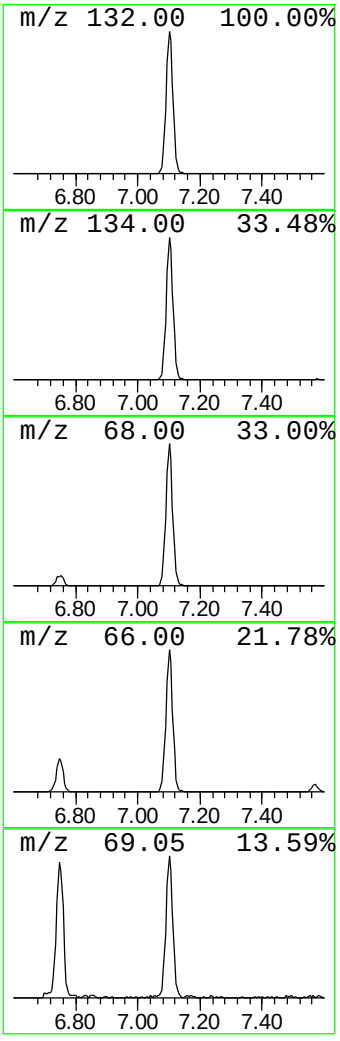
****

Peak Number 3 unknown7.10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	16.00 ng	556388	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
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Acq On : 21 Jul 2015 13:51
Operator : TP/UM
Sample : G2954-17 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEC-B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

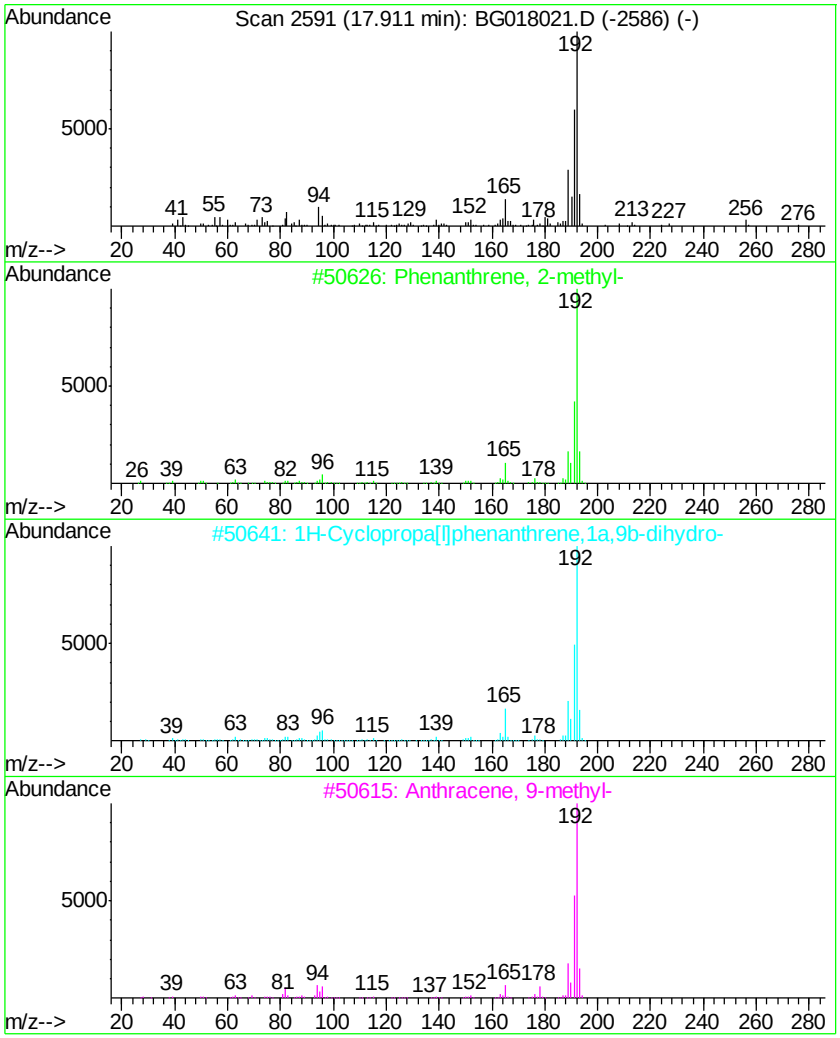
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

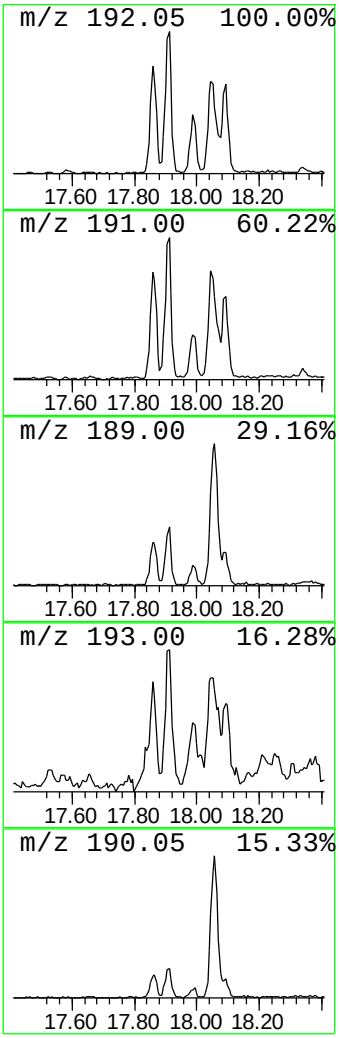
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	3.06 ng	248841	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
Data File : BG018021.D
Acq On : 21 Jul 2015 13:51
Operator : TP/UM
Sample : G2954-17 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEC-B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

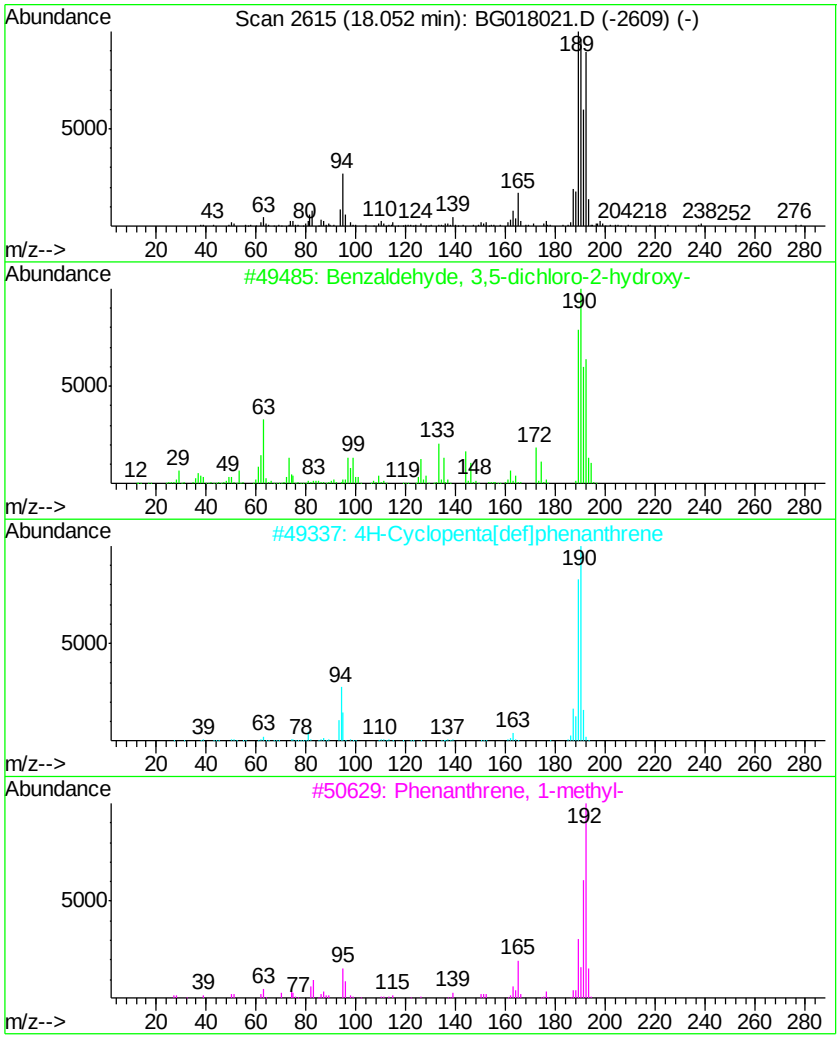
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

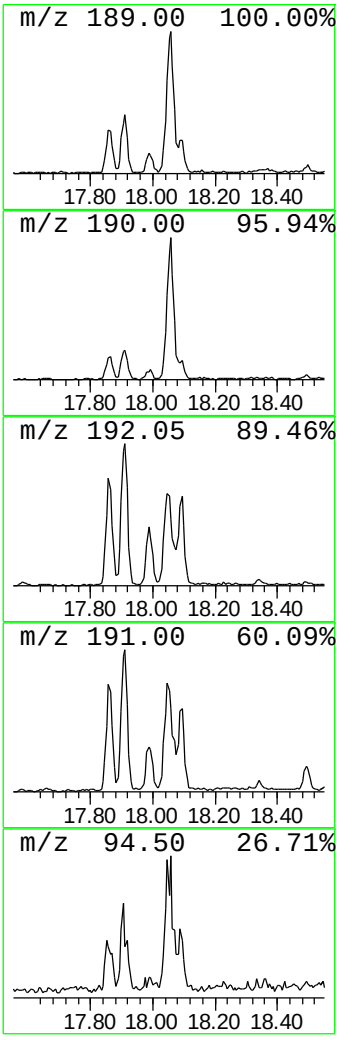
****

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	3.19 ng	259586	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
Data File : BG018021.D
Acq On : 21 Jul 2015 13:51
Operator : TP/UM
Sample : G2954-17 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEC-B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

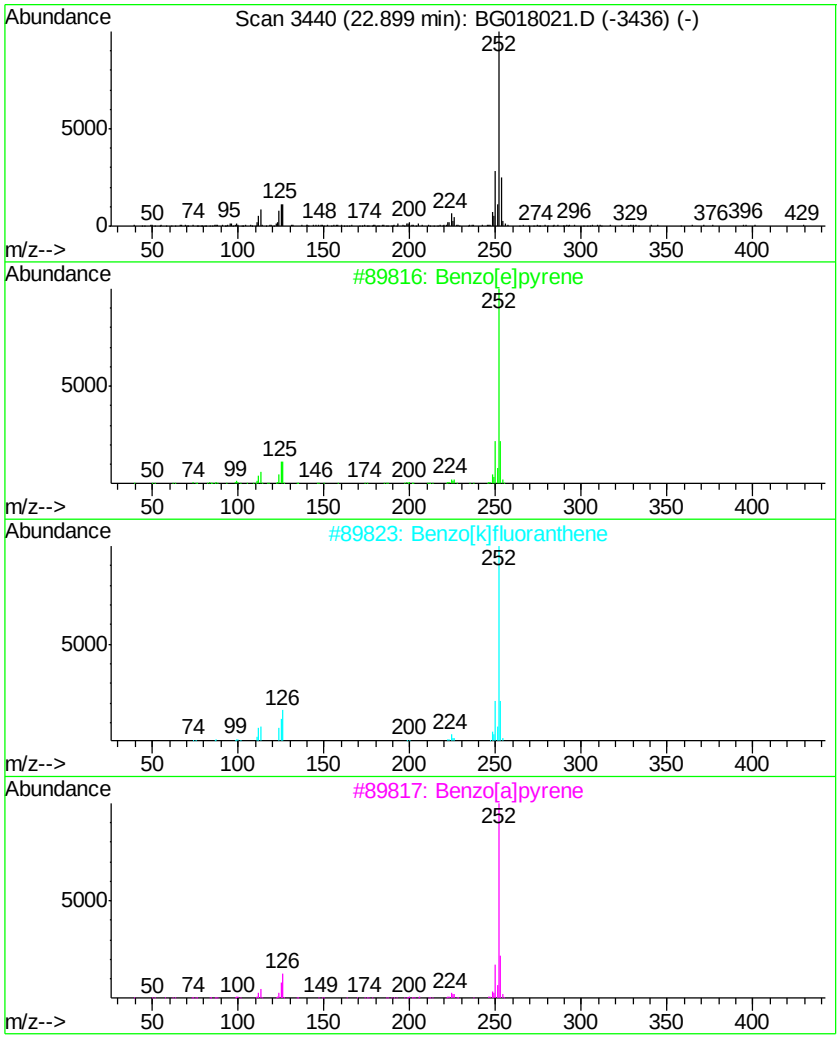
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

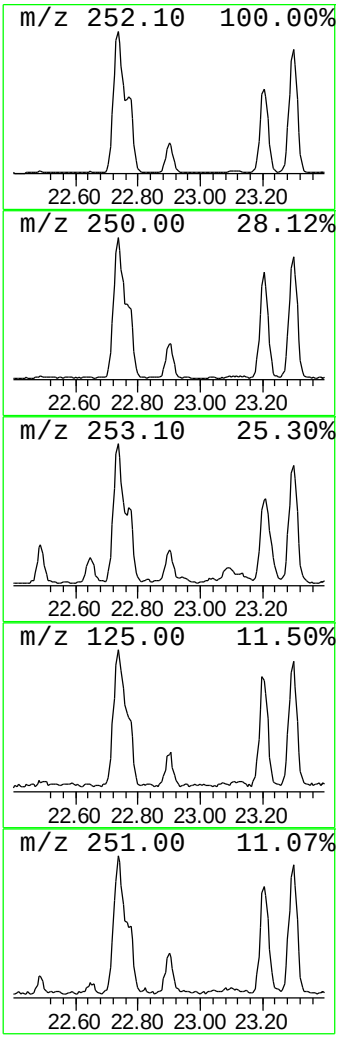
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.90	2.12 ng	196871	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
Data File : BG018021.D
Acq On : 21 Jul 2015 13:51
Operator : TP/UM
Sample : G2954-17 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEC-B1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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...	2.83	3.0	ng	103169	1	7.56	695600	20.0
2-Pentanone, 4-hy...	4.71	6.8	ng	236861	1	7.56	695600	20.0
unknown7.10	7.10	16.0	ng	556388	1	7.56	695600	20.0
Phenanthrene, 2-m...	17.91	3.1	ng	248841	4	16.98	1625500	20.0
Benzaldehyde, 3,5...	18.05	3.2	ng	259586	4	16.98	1625500	20.0
Benzo[e]pyrene	22.90	2.1	ng	196871	6	23.40	1855110	20.0