LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016824.D
Acq On : 30 Apr 2015 7:51
Operator : TP/IZ
Sample : G2041-01 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-01SOUTH

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-BG042915.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	4.672	333	337	345	rVB	22422	33283	3.80%	0.410%
2	5.153	414	419	428	rBV	109021	172949	19.73%	2.129%
3	6.763	688	693	707	rBV	102671	180009	20.53%	2.216%
4	7.104	745	751	760	rBV	126893	210713	24.03%	2.594%
5	7.562	822	829	838	rVB	212834	332785	37.96%	4.097%
6	7.880	877	883	891	rVB	108117	170670	19.47%	2.101%
7	8.726	1021	1027	1037	rBV	61232	114478	13.06%	1.410%
8	10.347	1290	1303	1320	rBV	294284	517022	58.97%	6.366%
9	10.829	1380	1385	1390	rBV5	5118	9855	1.12%	0.121%
10	11.375	1473	1478	1486	rBV3	12450	27211	3.10%	0.335%
11	11.622	1515	1520	1526	rBV8	6571	11492	1.31%	0.141%
12	12.004	1583	1585	1593	rVB7	6842	13552	1.55%	0.167%
13	12.086	1593	1599	1601	rBV5	6038	9746	1.11%	0.120%
14	12.415	1649	1655	1658	rBV7	4859	9337	1.06%	0.115%
15	12.556	1674	1679	1685	rBV7	5042	11764	1.34%	0.145%
16	12.639	1685	1693	1698	rBV8	6718	16112	1.84%	0.198%
17	12.750	1707	1712	1716	rBV	22019	28950	3.30%	0.356%
18	12.833	1716	1726	1734	rBV	179892	296231	33.79%	3.647%
19	13.203	1787	1789	1794	rVB5	6376	10262	1.17%	0.126%
20	13.626	1857	1861	1867	rVB4	17341	23872	2.72%	0.294%
21	13.702	1867	1874	1878	rVV3	33843	52577	6.00%	0.647%
22	13.743	1878	1881	1890	rVB10	4741	11005	1.26%	0.135%
23	14.043	1928	1932	1940	rVB8	15174	26998	3.08%	0.332%
24	14.219	1950	1962	1970	rBV2	438099	685139	78.14%	8.436%
25	14.542	2012	2017	2022	rBV9	6920	15221	1.74%	0.187%
26	14.625	2028	2031	2035	rVB6	10186	14617	1.67%	0.180%
27	14.748	2048	2052	2057	rBV8	11734	16854	1.92%	0.208%
28	14.848	2064	2069	2070	rBV4	8566	11733	1.34%	0.144%
29	14.924	2079	2082	2088	rBV8	6229	10160	1.16%	0.125%
30	15.001	2092	2095	2099	rVB5	8583	11967	1.36%	0.147%
31	15.271	2135	2141	2144	rBV6	8373	18353	2.09%	0.226%
32	15.482	2173	2177	2184	rVB2	33034	49511	5.65%	0.610%
33	15.559	2189	2190	2200	rVB10	5873	12633	1.44%	0.156%
34	15.717	2209	2217	2225	rBV2	106103	171594	19.57%	2.113%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016824.D
Acq On : 30 Apr 2015 7:51
Operator : TP/IZ
Sample : G2041-01 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-01SOUTH

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-BG042915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.870	2239	2243	2244	rBV3	7093	9700	1.11%	0.119%
36	15.958	2250	2258	2263	rBV	64844	115949	13.22%	1.428%
37	16.610	2366	2369	2372	rBV5	7356	12296	1.40%	0.151%
38	16.781	2394	2398	2407	rVB2	44350	71637	8.17%	0.882%
39	16.969	2424	2430	2434	rBV2	474297	690920	78.80%	8.507%
40	17.004	2434	2436	2442	rVB	50450	69275	7.90%	0.853%
41	17.098	2450	2452	2458	rVB2	13107	18039	2.06%	0.222%
42	17.380	2496	2500	2505	rBV8	13092	19961	2.28%	0.246%
43	17.844	2576	2579	2582	rBV	11714	16291	1.86%	0.201%
44	17.891	2583	2587	2593	rVB	28394	43079	4.91%	0.530%
45	18.032	2606	2611	2615	rBV5	22503	42464	4.84%	0.523%
46	18.344	2661	2664	2669	rBV5	7871	12309	1.40%	0.152%
47	18.596	2704	2707	2710	rVB3	8592	8813	1.01%	0.109%
48	18.649	2710	2716	2719	rVV4	13015	20463	2.33%	0.252%
49	18.690	2719	2723	2726	rVB3	11120	14356	1.64%	0.177%
50	18.773	2732	2737	2739	rBV2	29276	44710	5.10%	0.550%
51	18.802	2739	2742	2744	rVV3	10784	13693	1.56%	0.169%
52	18.914	2757	2761	2767	rVB6	12908	23186	2.64%	0.285%
53	19.031	2776	2781	2786	rBV	142584	188374	21.48%	2.319%
54	19.096	2789	2792	2795	rVB5	9017	11466	1.31%	0.141%
55	19.137	2795	2799	2801	rBV5	8300	11281	1.29%	0.139%
56	19.278	2820	2823	2826	rVB3	10031	10839	1.24%	0.133%
57	19.395	2835	2843	2852	rBV	160520	271070	30.92%	3.338%
58	19.478	2852	2857	2863	rBV2	21258	36154	4.12%	0.445%
59	19.560	2867	2871	2873	rBV4	7385	12040	1.37%	0.148%
60	19.601	2873	2878	2883	rBV	282842	325625	37.14%	4.009%
61	19.724	2894	2899	2901	rBV5	20154	36018	4.11%	0.443%
62	19.807	2910	2913	2917	rBV6	6007	10334	1.18%	0.127%
63	19.860	2919	2922	2923	rVV2	17585	18515	2.11%	0.228%
64	19.889	2924	2927	2929	rVV2	33543	51619	5.89%	0.636%
65	19.912	2929	2931	2936	rVB	47546	54741	6.24%	0.674%
66	19.995	2941	2945	2949	rBV2	20513	24017	2.74%	0.296%
67	20.053	2951	2955	2958	rVB	31402	40204	4.59%	0.495%
68	20.194	2975	2979	2982	rBV	28189	36971	4.22%	0.455%
69	20.236	2983	2986	2990	rVB3	23618	33395	3.81%	0.411%
70	20.412	3013	3016	3019	rBV4	13799	14228	1.62%	0.175%
71	20.870	3091	3094	3102	rVB3	86377	108473	12.37%	1.336%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016824.D
Acq On : 30 Apr 2015 7:51
Operator : TP/IZ
Sample : G2041-01 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-01SOUTH

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-BG042915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	21.158	3136	3143	3147	rBV2	605973	876781	100.00%	10.795%
73	21.193	3147	3149	3156	rVB	100133	111940	12.77%	1.378%
74	21.311	3166	3169	3172	rBV3	22772	25153	2.87%	0.310%
75	21.746	3241	3243	3251	rVB2	65533	95919	10.94%	1.181%
76	22.697	3401	3405	3417	rVB3	79334	254419	29.02%	3.133%
77	23.167	3480	3485	3490	rBV	48889	86986	9.92%	1.071%
78	23.261	3496	3501	3508	rVB	67783	126684	14.45%	1.560%
79	23.350	3511	3516	3524	rBV2	370882	692752	79.01%	8.530%

Sum of corrected areas: 8121794

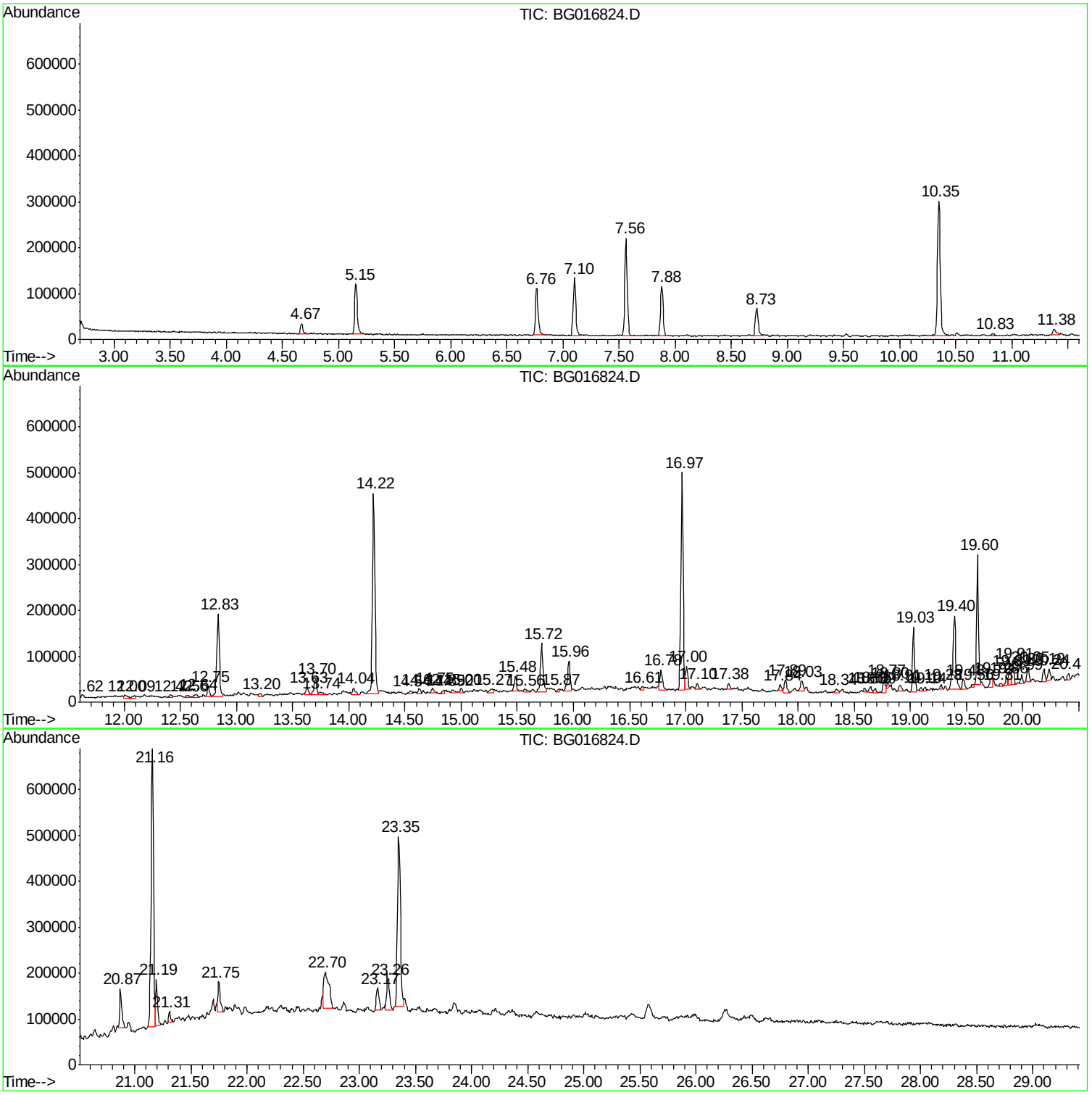
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016824.D
Acq On : 30 Apr 2015 7:51
Operator : TP/IZ
Sample : G2041-01 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-01SOUTH

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016824.D
Acq On : 30 Apr 2015 7:51
Operator : TP/IZ
Sample : G2041-01 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-01SOUTH

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

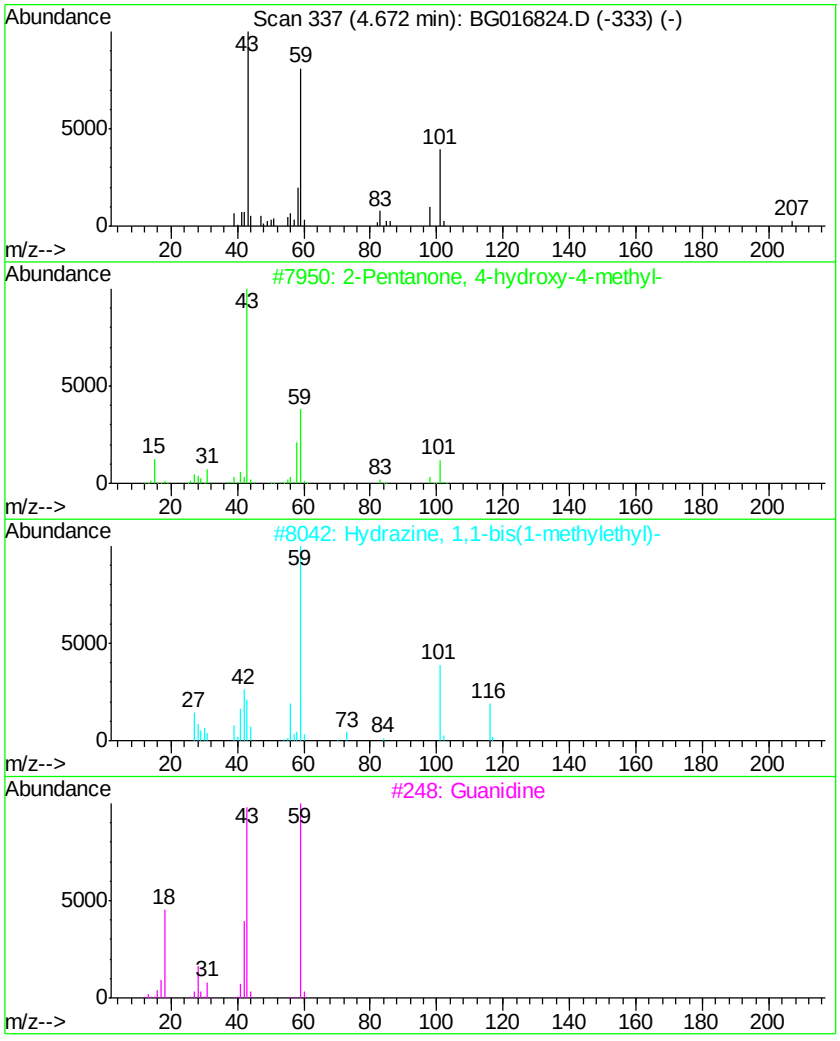
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

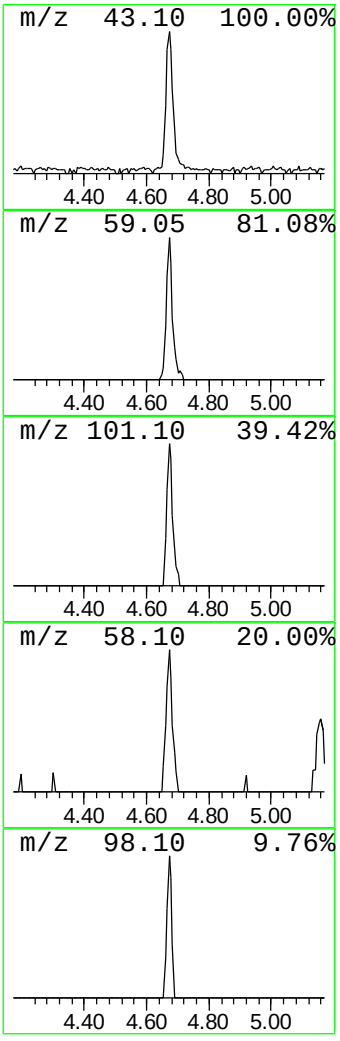
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.67	2.00 ng	33283	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	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	50
3	Guanidine	59	CH5N3	000113-00-8	43
4	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	40
5	4-Ethyl-3-octanol	158	C10H22O	019781-26-1	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016824.D
Acq On : 30 Apr 2015 7:51
Operator : TP/IZ
Sample : G2041-01 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-01SOUTH

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

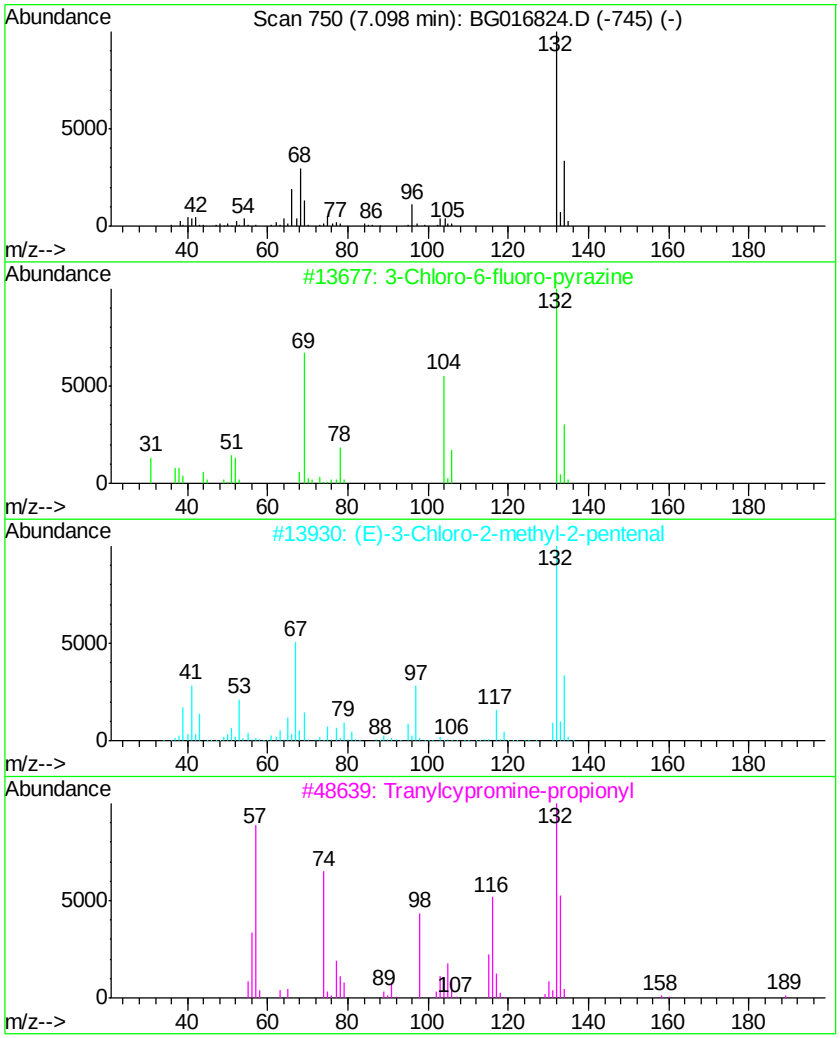
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

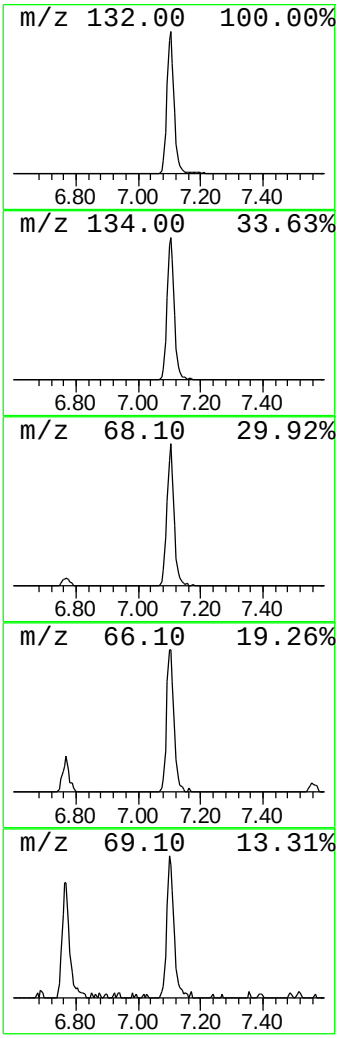
****

Peak Number 2 unknown7.10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	12.66 ng	210713	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	47
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	33
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	32
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016824.D
Acq On : 30 Apr 2015 7:51
Operator : TP/IZ
Sample : G2041-01 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-01SOUTH

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

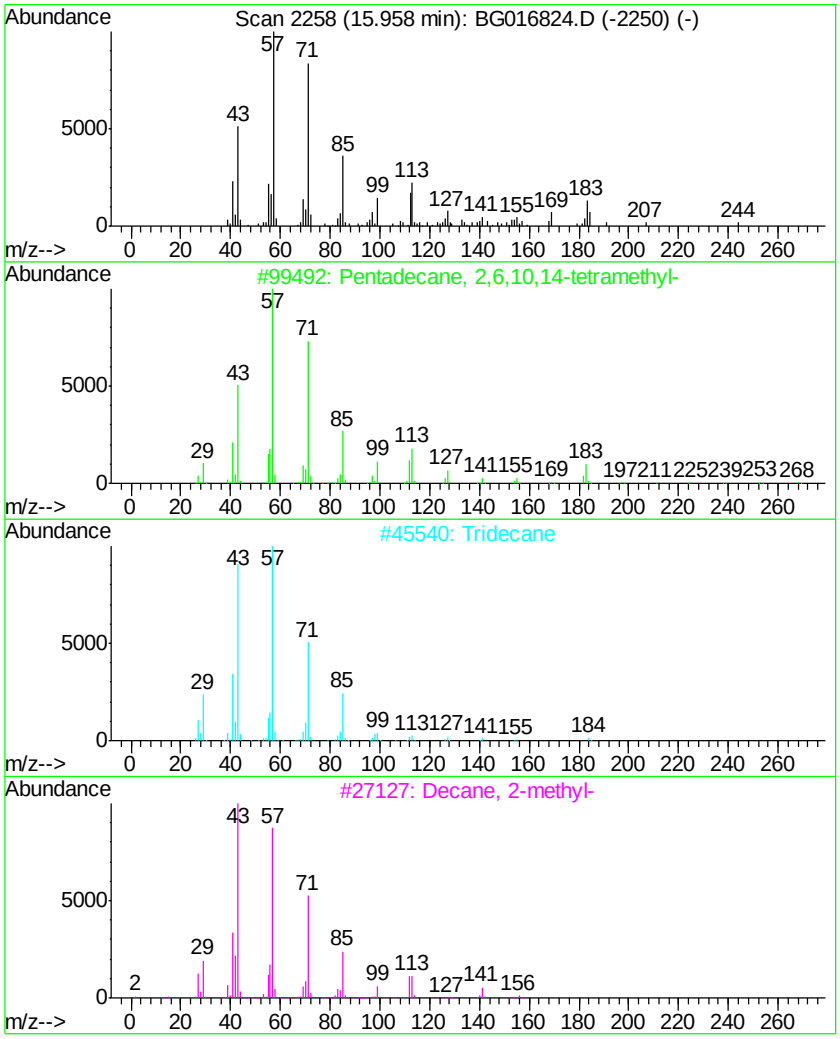
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

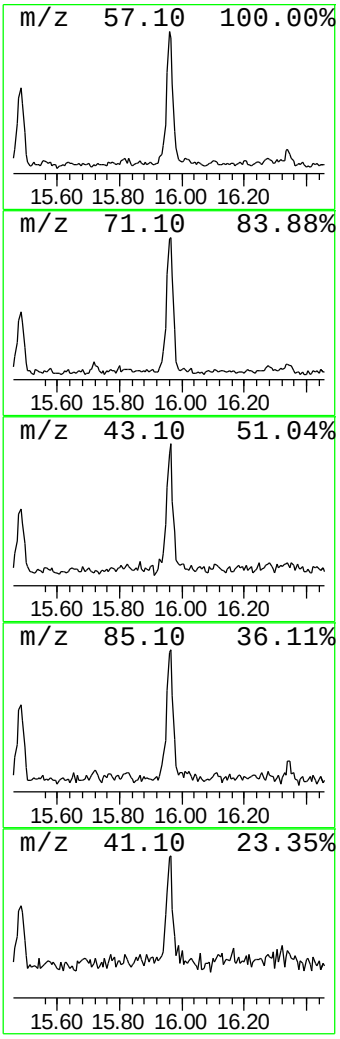
****

Peak Number 4 Pentadecane, 2,6,10,14-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	3.36 ng	115949	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2	Tridecane	184	C13H28	000629-50-5	74
3	Decane, 2-methyl-	156	C11H24	006975-98-0	72
4	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	72
5	Tetracosane	338	C24H50	000646-31-1	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016824.D
Acq On : 30 Apr 2015 7:51
Operator : TP/IZ
Sample : G2041-01 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-01SOUTH

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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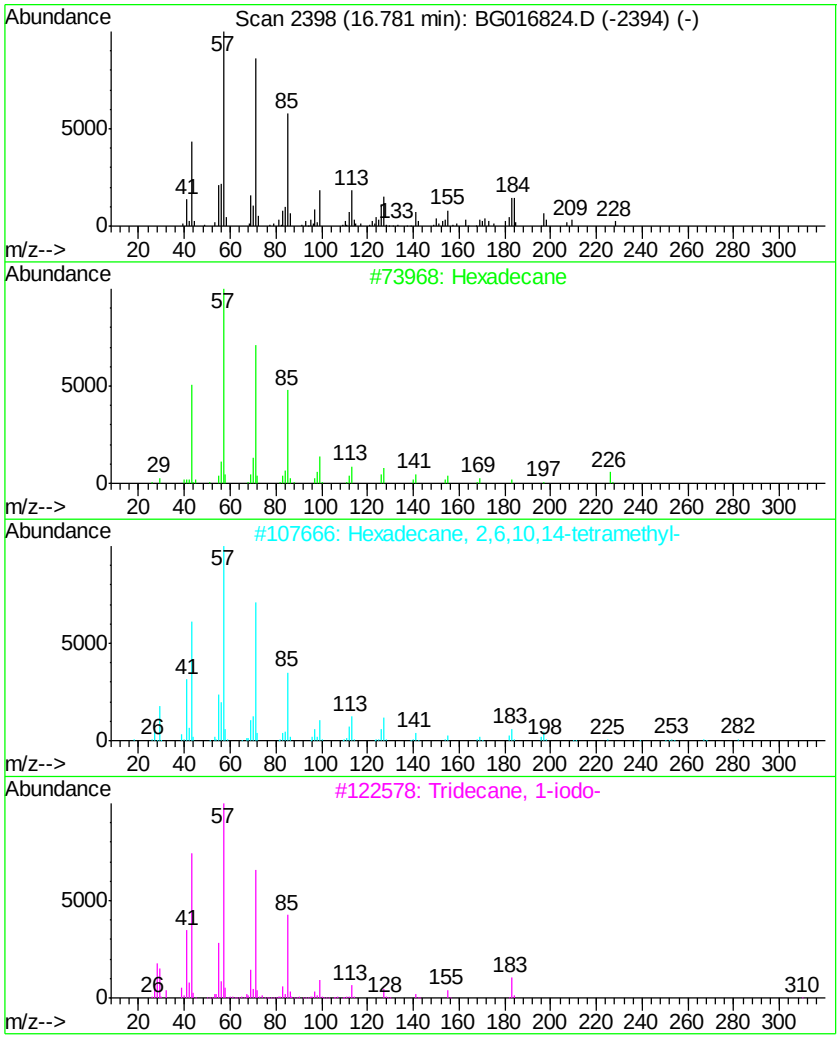
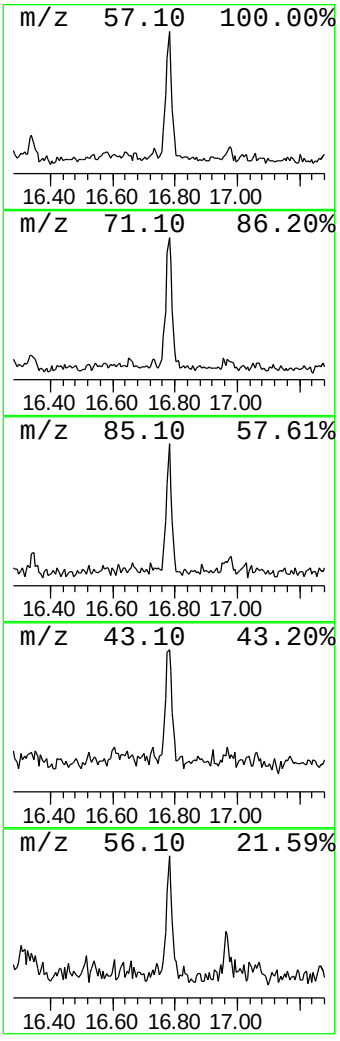
Peak Number 5 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	2.07 ng	71637	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
4	Tetradecane	198	C14H30	000629-59-4	76
5	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
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Acq On : 30 Apr 2015 7:51
Operator : TP/IZ
Sample : G2041-01 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-01SOUTH

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

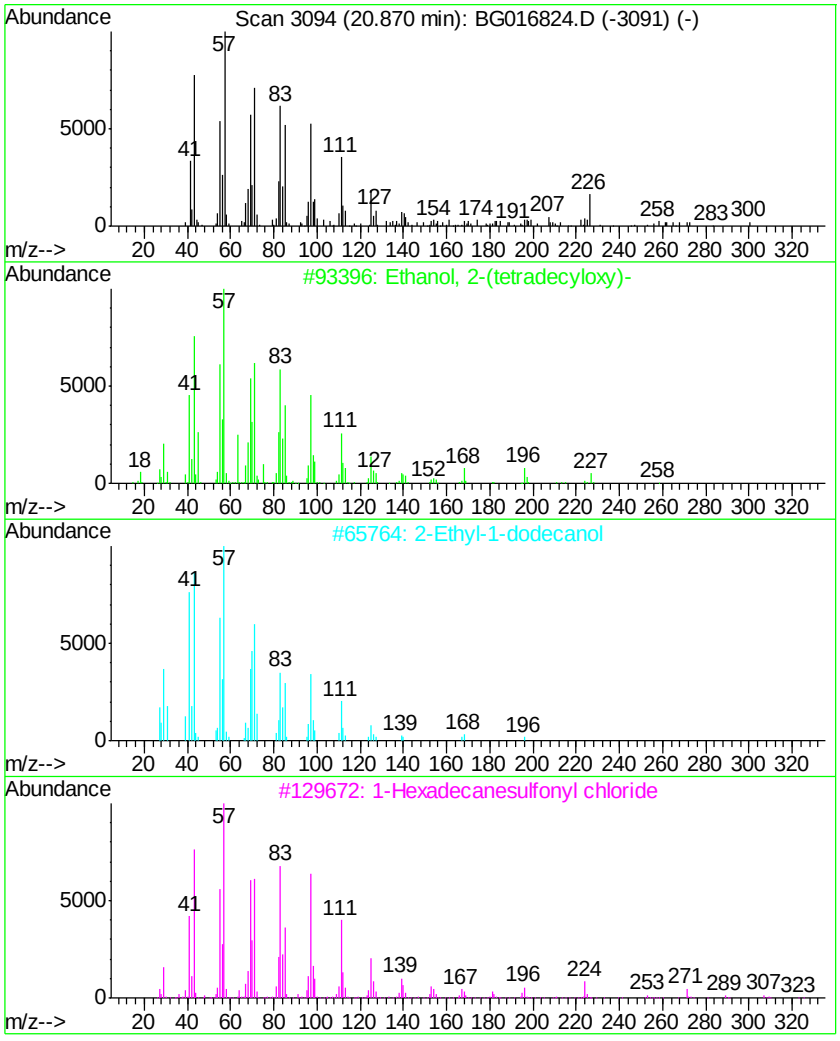
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

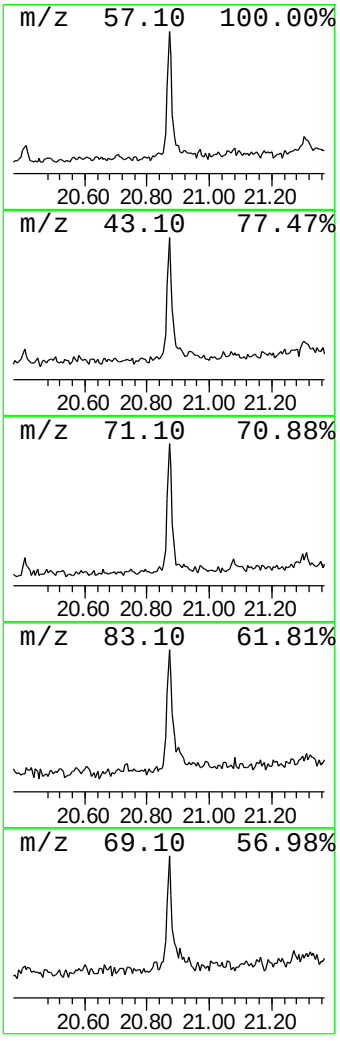
****

Peak Number 6 Ethanol, 2-(tetradecyloxy)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.47 ng	108473	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
2	2-Ethyl-1-dodecanol	214	C14H30O	019780-33-7	86
3	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	83
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	68
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	68





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016824.D
Acq On : 30 Apr 2015 7:51
Operator : TP/IZ
Sample : G2041-01 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-01SOUTH

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

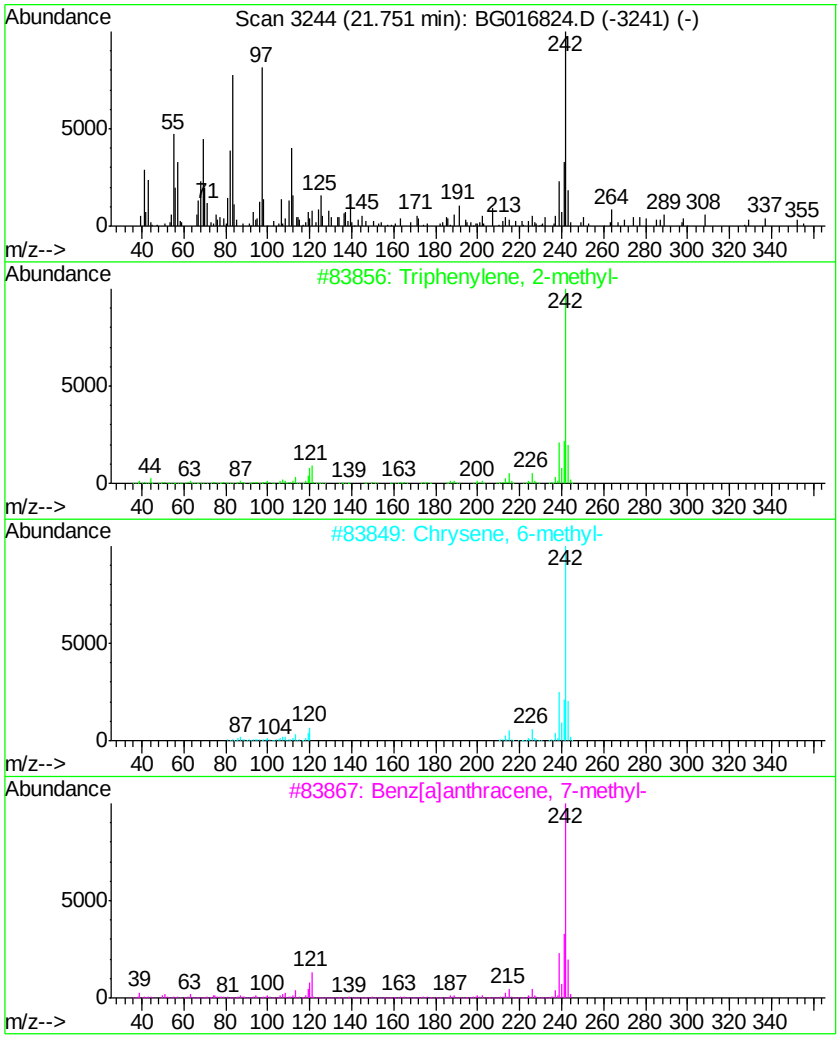
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

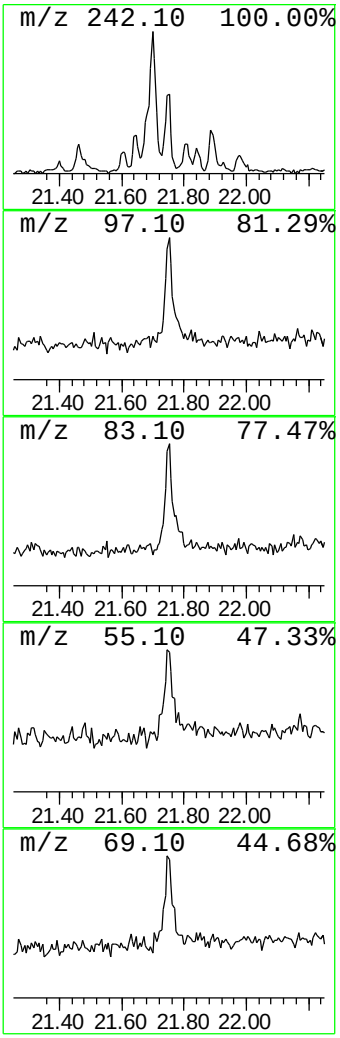
****

Peak Number 7 unknown21.75 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.75	2.19 ng	95919	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	38
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	30
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	30
4	Chrysene, 2-methyl-	242	C19H14	003351-32-4	27
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042915\
Data File : BG016824.D
Acq On : 30 Apr 2015 7:51
Operator : TP/IZ
Sample : G2041-01 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SP-01SOUTH

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042915.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
2-Pentanone, 4-hy...	4.67	2.0	ng	33283	1	7.56	332785	20.0
unknown7.10	7.10	12.7	ng	210713	1	7.56	332785	20.0
Pentadecane, 2,6,...	15.96	3.4	ng	115949	4	16.97	690920	20.0
Hexadecane	16.78	2.1	ng	71637	4	16.97	690920	20.0
Ethanol, 2-(tetra...	20.87	2.5	ng	108473	5	21.16	876781	20.0
unknown21.75	21.75	2.2	ng	95919	5	21.16	876781	20.0