LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017544.D
Acq On : 8 Jun 2015 15:44
Operator : TP/IZ
Sample : G2464-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-15AS

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-BG060315.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	2.742	6	9	14	rVB3	9631	14188	2.64%	0.275%
2	4.705	339	343	350	rBV3	6542	12379	2.30%	0.240%
3	5.204	423	428	435	rBV	72228	112516	20.92%	2.181%
4	6.826	698	704	712	rBV	70917	121817	22.65%	2.361%
5	7.155	752	760	766	rBV	79901	129054	24.00%	2.501%
6	7.607	832	837	846	rBV	89289	134084	24.93%	2.599%
7	7.930	885	892	898	rVB	59732	95632	17.78%	1.853%
8	8.777	1029	1036	1044	rBV	45754	79302	14.75%	1.537%
9	10.404	1307	1313	1322	rBV	104634	185714	34.53%	3.599%
10	12.895	1732	1737	1745	rBV	115657	164493	30.59%	3.188%
11	13.747	1875	1882	1888	rBV2	10771	19039	3.54%	0.369%
12	14.282	1966	1973	1979	rBV2	169506	252994	47.04%	4.903%
13	14.347	1981	1984	1990	rVB2	10292	15636	2.91%	0.303%
14	14.687	2037	2042	2045	rBV4	4994	6157	1.14%	0.119%
15	15.339	2147	2153	2158	rBV3	10625	15073	2.80%	0.292%
16	15.639	2199	2204	2206	rBV3	4839	7694	1.43%	0.149%
17	15.786	2222	2229	2238	rBV	97070	149615	27.82%	2.900%
18	16.003	2263	2266	2276	rBV10	5122	13024	2.42%	0.252%
19	16.797	2398	2401	2407	rVB6	4727	7277	1.35%	0.141%
20	16.849	2407	2410	2417	rBV4	6005	10010	1.86%	0.194%
21	17.037	2434	2442	2445	rBV	215440	299665	55.72%	5.808%
22	17.079	2445	2449	2456	rVV	108415	159336	29.63%	3.088%
23	17.167	2460	2464	2469	rVB2	24500	33297	6.19%	0.645%
24	17.449	2510	2512	2516	rVB2	5466	7996	1.49%	0.155%
25	17.913	2584	2591	2594	rBV2	19180	28164	5.24%	0.546%
26	17.960	2594	2599	2604	rVB	23957	41205	7.66%	0.799%
27	18.042	2609	2613	2618	rVB4	8917	15167	2.82%	0.294%
28	18.101	2618	2623	2629	rBV3	24152	50895	9.46%	0.986%
29	18.142	2629	2630	2635	rVV3	12124	13169	2.45%	0.255%
30	18.236	2639	2646	2648	rBV7	6116	8814	1.64%	0.171%
31	18.418	2673	2677	2682	rBV	13173	18914	3.52%	0.367%
32	18.465	2682	2685	2689	rVB5	11802	16876	3.14%	0.327%
33	18.583	2704	2705	2708	rBV3	5031	5616	1.04%	0.109%
34	18.665	2716	2719	2722	rVB5	6708	8150	1.52%	0.158%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017544.D
Acq On : 8 Jun 2015 15:44
Operator : TP/IZ
Sample : G2464-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-15AS

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-BG060315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.712	2724	2727	2731	rBV5	7382	9354	1.74%	0.181%
36	18.753	2731	2734	2741	rVB6	6849	9653	1.79%	0.187%
37	18.835	2744	2748	2753	rBV6	14470	25725	4.78%	0.499%
38	18.976	2768	2772	2777	rBV4	12300	19091	3.55%	0.370%
39	19.100	2788	2793	2799	rBV	217085	294367	54.74%	5.705%
40	19.206	2809	2811	2814	rVB3	7548	6511	1.21%	0.126%
41	19.305	2825	2828	2830	rBV4	6578	7873	1.46%	0.153%
42	19.347	2833	2835	2838	rVB3	6631	7328	1.36%	0.142%
43	19.470	2846	2856	2865	rBV	185712	337628	62.78%	6.544%
44	19.546	2865	2869	2875	rVB7	13275	23146	4.30%	0.449%
45	19.676	2884	2891	2896	rBV	216130	281580	52.36%	5.457%
46	19.717	2896	2898	2901	rVB4	12904	13057	2.43%	0.253%
47	19.787	2907	2910	2913	rBV5	12287	20662	3.84%	0.400%
48	19.922	2930	2933	2934	rBV3	13073	13532	2.52%	0.262%
49	19.969	2937	2941	2944	rVB2	27402	38596	7.18%	0.748%
50	20.063	2954	2957	2960	rBV2	19819	24138	4.49%	0.468%
51	20.122	2963	2967	2971	rVV3	28023	49351	9.18%	0.956%
52	20.169	2972	2975	2978	rVB5	9159	10408	1.94%	0.202%
53	20.263	2987	2991	2994	rBV2	21362	25029	4.65%	0.485%
54	20.310	2997	2999	3004	rVB	13606	17038	3.17%	0.330%
55	20.715	3065	3068	3073	rBV2	25572	34146	6.35%	0.662%
56	20.874	3089	3095	3099	rBV3	29596	64188	11.94%	1.244%
57	20.915	3100	3102	3105	rVB4	14357	13011	2.42%	0.252%
58	20.945	3105	3107	3110	rBV3	14996	20500	3.81%	0.397%
59	21.009	3116	3118	3124	rVB3	22603	33859	6.30%	0.656%
60	21.233	3149	3156	3159	rBV2	323984	537799	100.00%	10.423%
61	21.268	3159	3162	3168	rVB	113812	133344	24.79%	2.584%
62	21.385	3179	3182	3185	rBV4	27461	32639	6.07%	0.633%
63	21.779	3247	3249	3254	rVB	44489	40822	7.59%	0.791%
64	22.795	3417	3422	3427	rBV2	88098	198217	36.86%	3.842%
65	23.271	3500	3503	3509	rVB	58124	104469	19.43%	2.025%
66	23.365	3515	3519	3526	rVB	88255	164585	30.60%	3.190%
67	23.471	3531	3537	3541	rVV	166196	295106	54.87%	5.719%

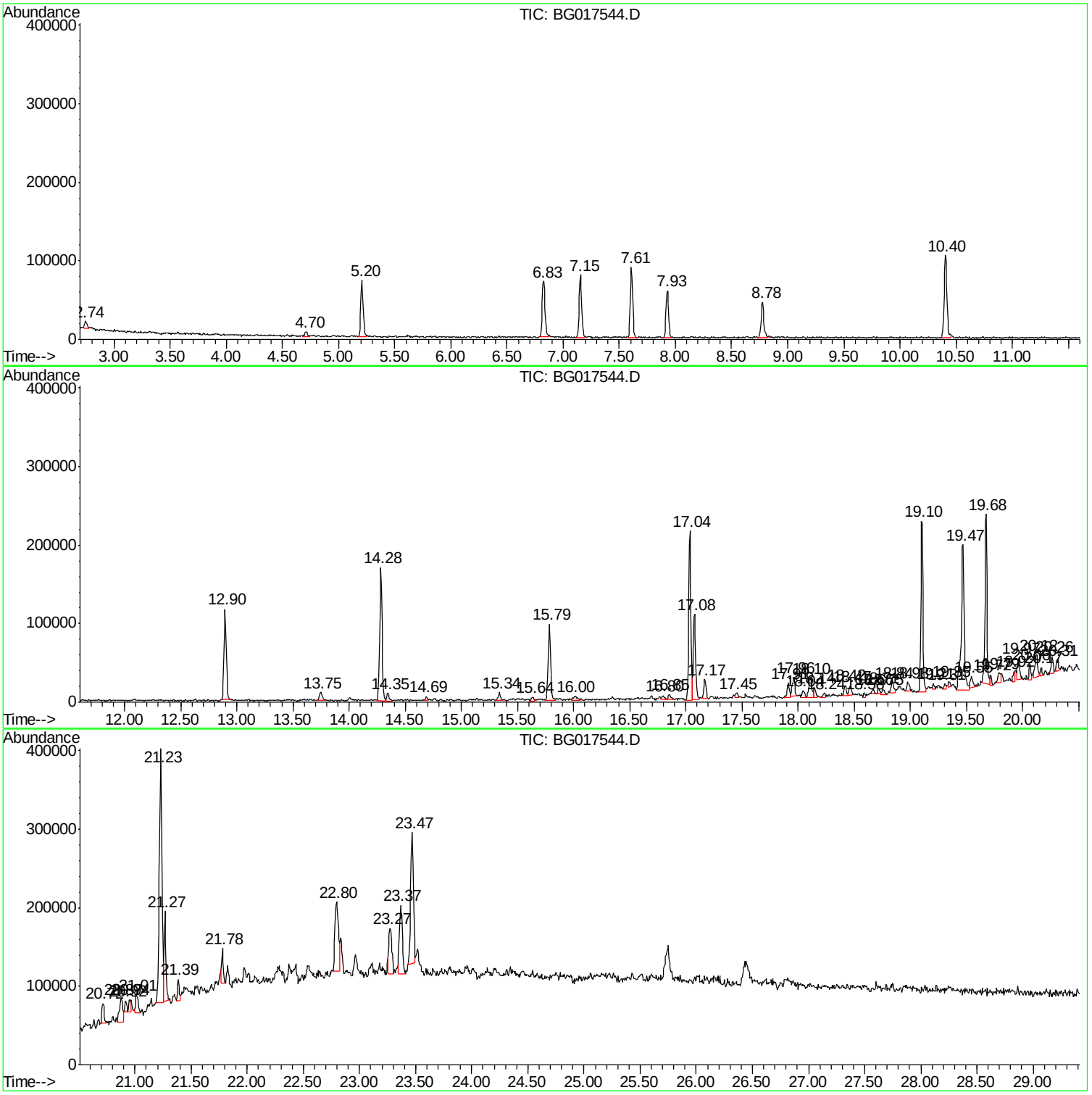
Sum of corrected areas: 5159714

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017544.D
Acq On : 8 Jun 2015 15:44
Operator : TP/IZ
Sample : G2464-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-15AS

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.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\BG060815\
Data File : BG017544.D
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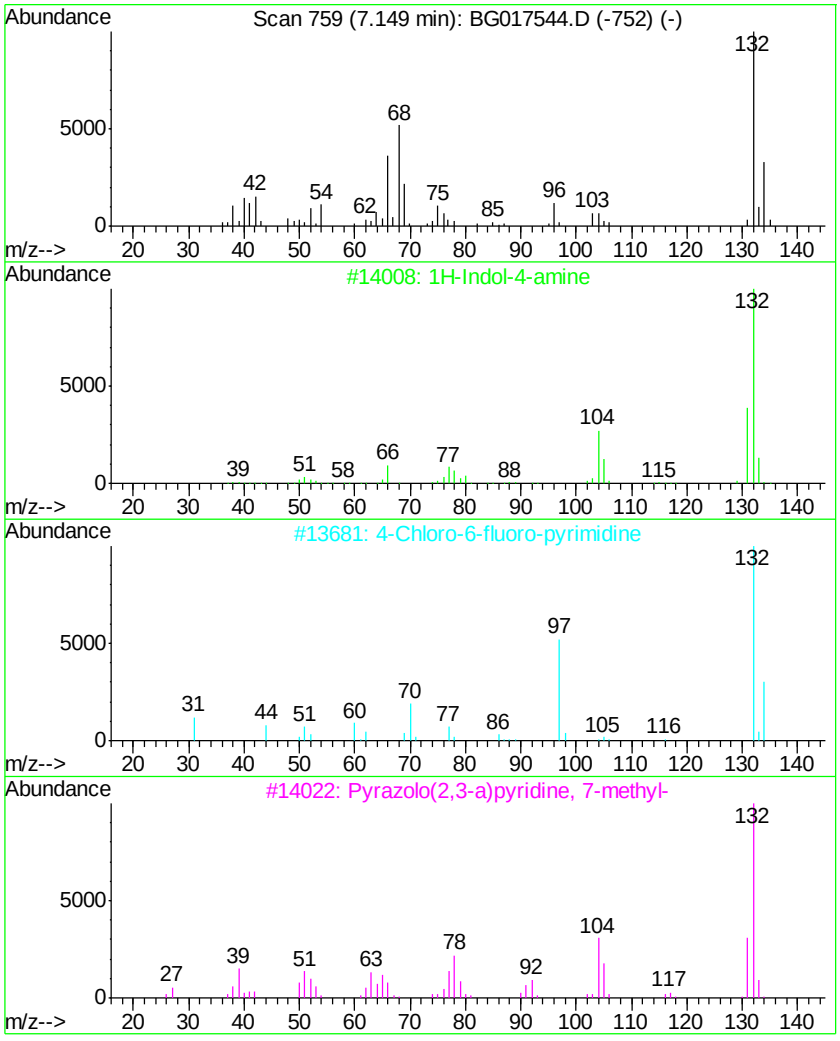
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

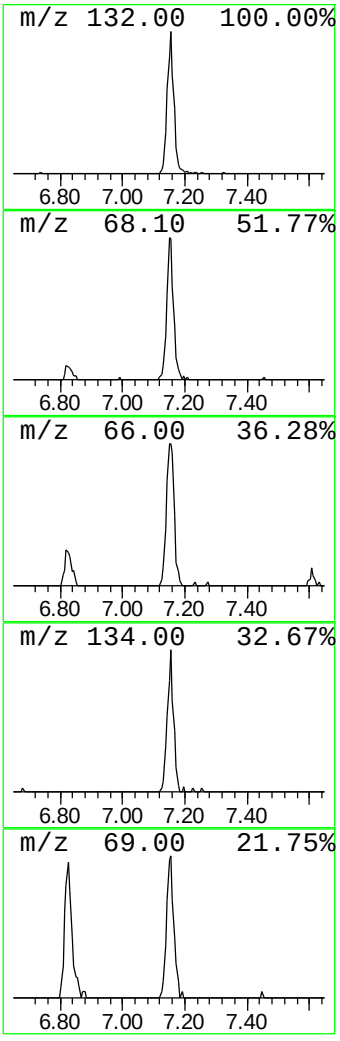
****

Peak Number 2 unknown7.15 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	19.25 ng	129054	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indol-4-amine	132	C8H8N2	005192-23-4	40
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017544.D
Acq On : 8 Jun 2015 15:44
Operator : TP/IZ
Sample : G2464-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-15AS

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

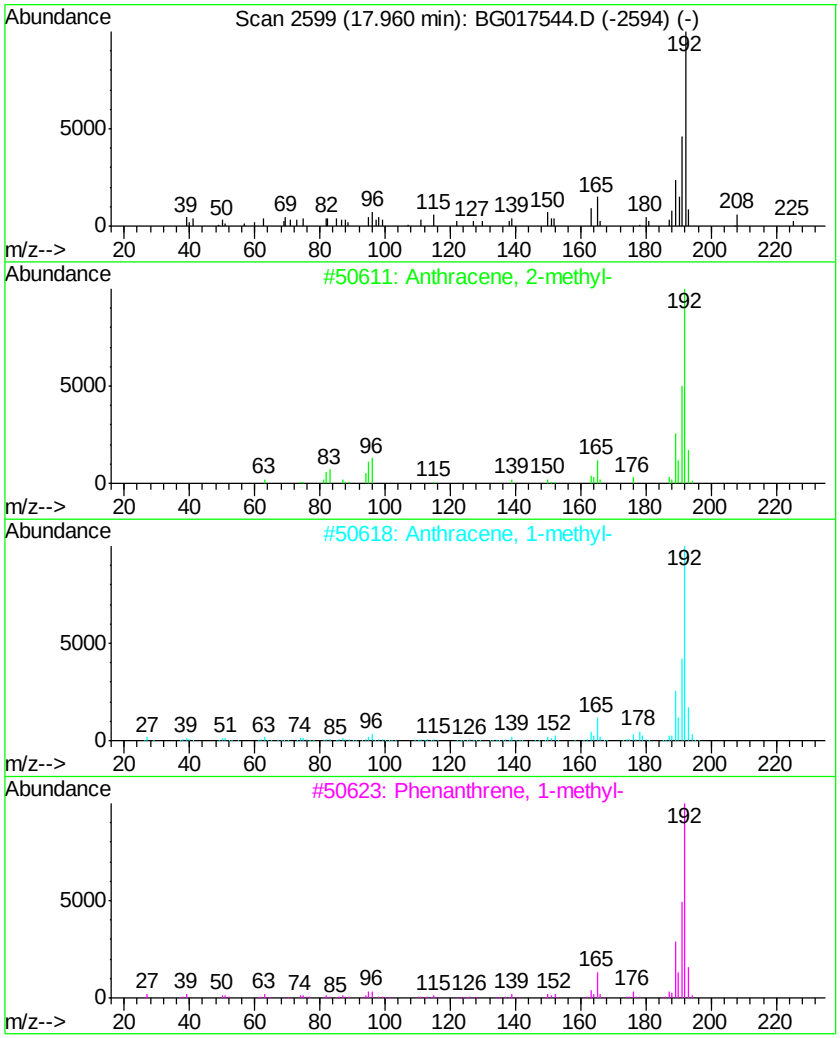
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

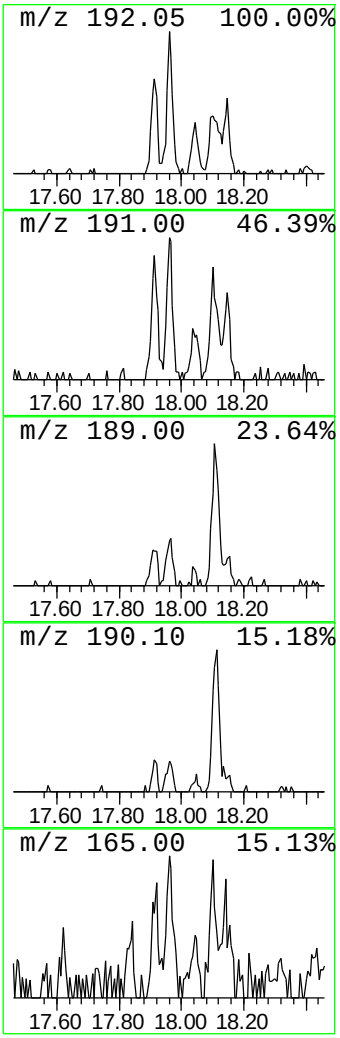
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	2.75 ng	41205	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017544.D
Acq On : 8 Jun 2015 15:44
Operator : TP/IZ
Sample : G2464-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-15AS

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.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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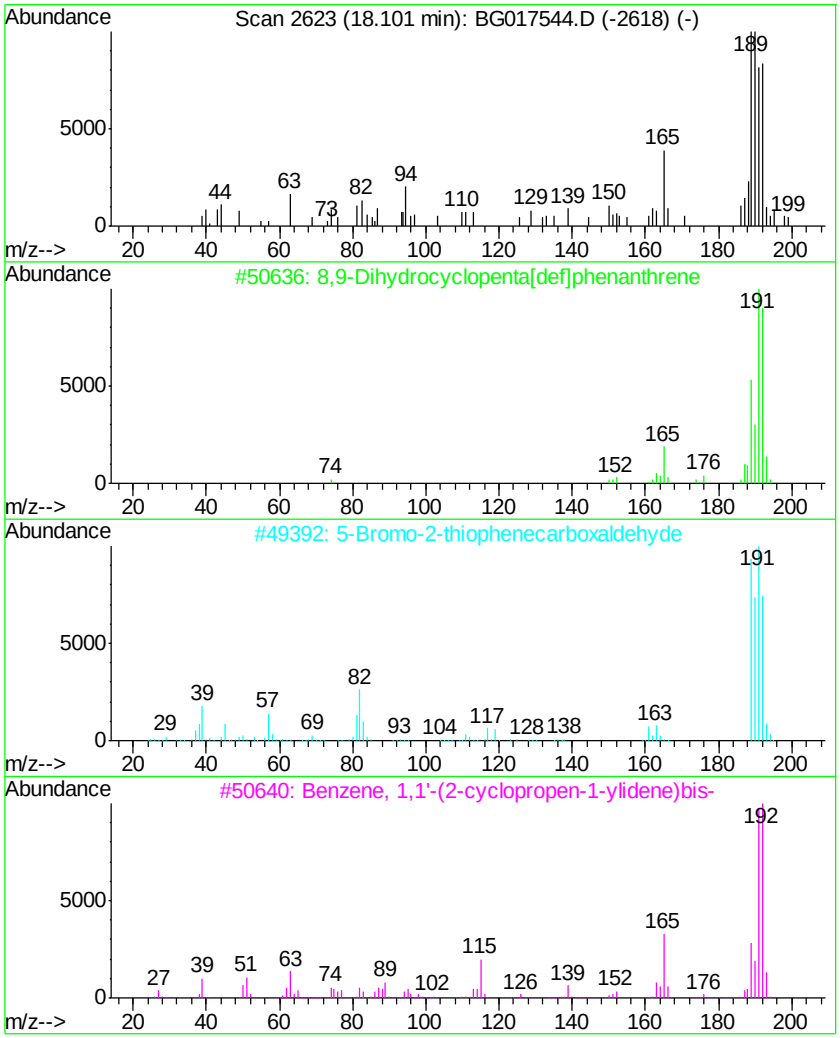
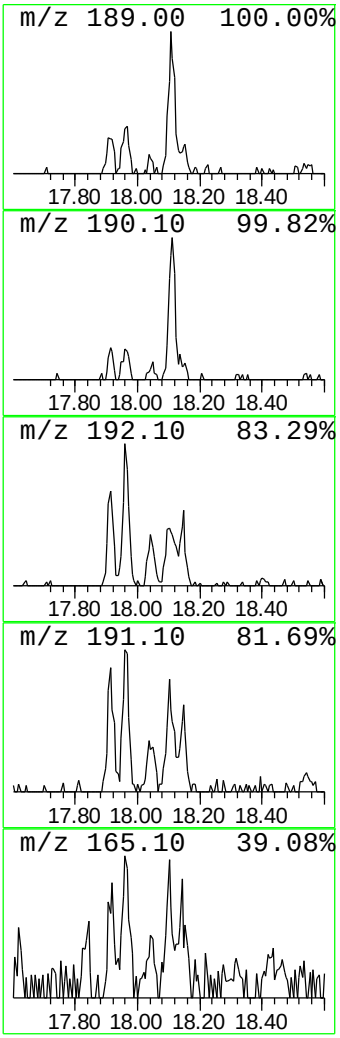
Peak Number 5 8,9-Dihydrocyclopenta[def]p... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	3.40 ng	50895	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	50
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	43
3	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	43
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017544.D
Acq On : 8 Jun 2015 15:44
Operator : TP/IZ
Sample : G2464-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-15AS

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

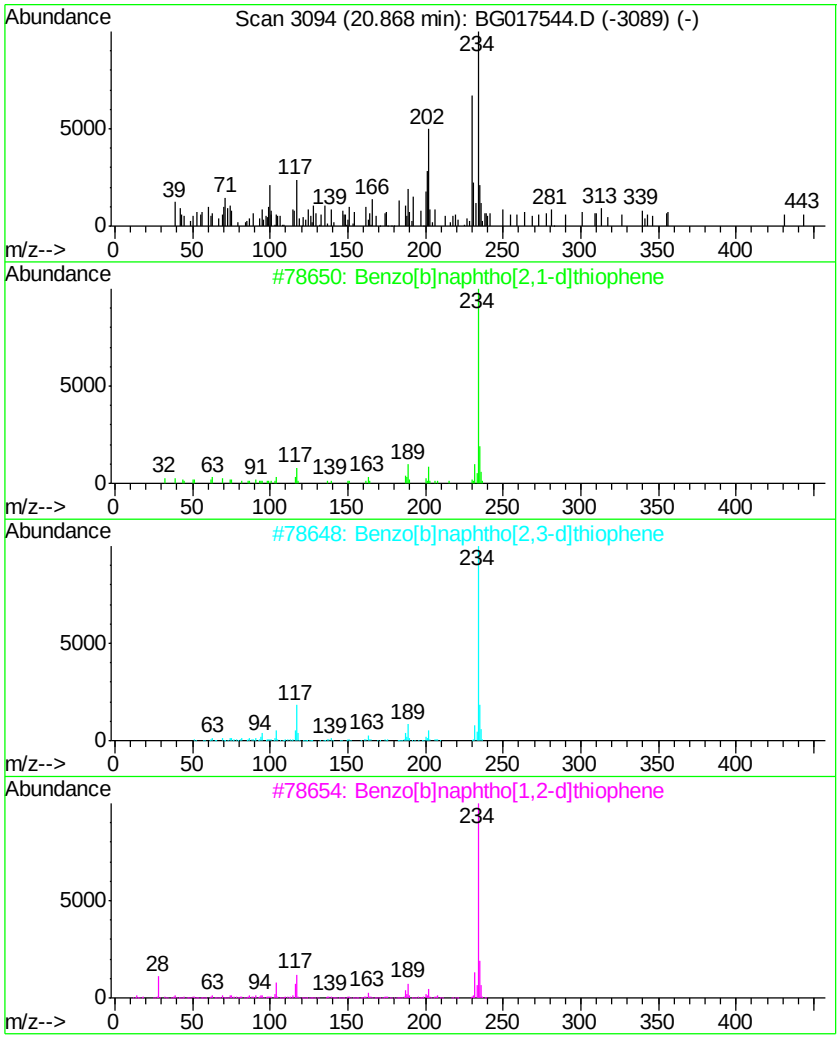
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

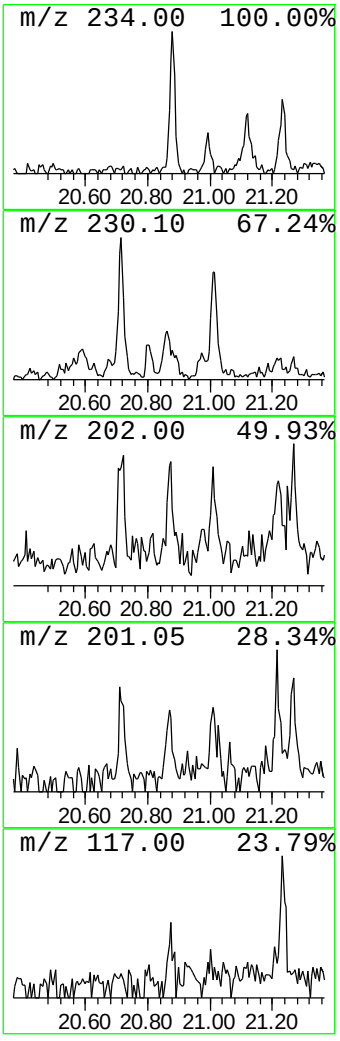
****

Peak Number 6 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.39 ng	64188	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	50
4	4-Dimethylsulfylidene-3-methyl-1...	234	C12H14N2OS	033321-45-8	47
5	5,6,8,9,10,11-Hexahydrobenz[a]an...	234	C18H18	067064-61-3	47





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Acq On : 8 Jun 2015 15:44
Operator : TP/IZ
Sample : G2464-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-15AS

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.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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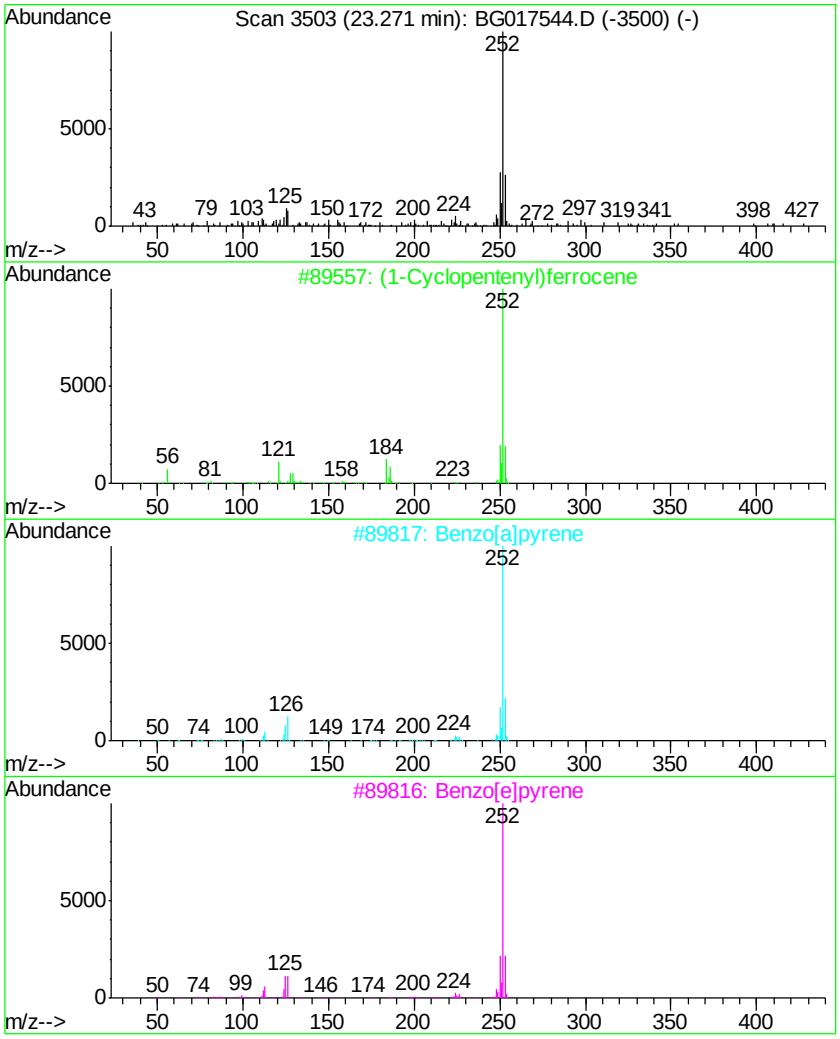
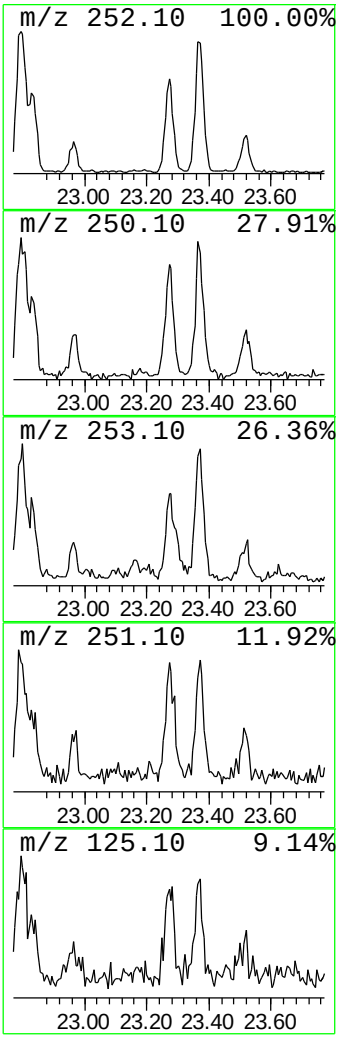
Peak Number 7 (1-Cyclopentenyl)ferrocene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.27	7.08 ng	104469	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	86
2	Benzo[a]pyrene	252	C20H12	000050-32-8	76
3	Benzo[e]pyrene	252	C20H12	000192-97-2	76
4	Perylene	252	C20H12	000198-55-0	70
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017544.D
Acq On : 8 Jun 2015 15:44
Operator : TP/IZ
Sample : G2464-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-15AS

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.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
unknown7.15	7.15	19.3	ng	129054	1	7.61	134084	20.0
Anthracene, 2-met...	17.96	2.8	ng	41205	4	17.04	299665	20.0
8,9-Dihydrocyclop...	18.10	3.4	ng	50895	4	17.04	299665	20.0
Benzo[b]naphtho[2...	20.87	2.4	ng	64188	5	21.23	537799	20.0
(1-Cyclopentenyl)...	23.27	7.1	ng	104469	6	23.47	295106	20.0