LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016819.D
Acq On : 30 Apr 2015 4:57
Operator : TP/IZ
Sample : G2031-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB4

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	2.753	8	11	17	rVB3	14406	21101	1.21%	0.088%
2	4.668	330	337	347	rBV	78898	114151	6.53%	0.476%
3	5.156	414	420	435	rBV	631982	914949	52.37%	3.814%
4	6.766	687	694	704	rBV	657948	1012101	57.93%	4.219%
5	7.101	744	751	763	rBV	702102	1088516	62.30%	4.537%
6	7.559	819	829	837	rBV	207154	322460	18.46%	1.344%
7	7.882	877	884	894	rBV	511329	815797	46.69%	3.400%
8	8.722	1020	1027	1037	rBV	379669	612579	35.06%	2.553%
9	10.350	1296	1304	1320	rBV	282084	506820	29.01%	2.113%
10	12.835	1720	1727	1739	rBV	1020794	1470153	84.15%	6.128%
11	13.681	1866	1871	1879	rBV	40937	65868	3.77%	0.275%
12	13.945	1911	1916	1922	rBV	12296	21398	1.22%	0.089%
13	14.222	1956	1963	1969	rVV2	434838	673304	38.54%	2.807%
14	14.280	1969	1973	1980	rVB	21341	32226	1.84%	0.134%
15	14.621	2027	2031	2036	rBV2	12964	18225	1.04%	0.076%
16	15.079	2105	2109	2115	rVB2	18900	25872	1.48%	0.108%
17	15.267	2137	2141	2146	rBV3	15552	25175	1.44%	0.105%
18	15.485	2173	2178	2183	rBV6	14294	22228	1.27%	0.093%
19	15.573	2188	2193	2199	rVB4	10012	21429	1.23%	0.089%
20	15.714	2208	2217	2229	rBV	653413	943161	53.98%	3.931%
21	15.943	2251	2256	2268	rVB4	30091	67009	3.84%	0.279%
22	16.272	2305	2312	2317	rBV8	11384	23583	1.35%	0.098%
23	16.631	2367	2373	2379	rVB2	19105	32043	1.83%	0.134%
24	16.730	2386	2390	2395	rVV2	23325	27493	1.57%	0.115%
25	16.783	2395	2399	2406	rVB3	27293	43969	2.52%	0.183%
26	16.965	2424	2430	2434	rBV2	506211	731769	41.88%	3.050%
27	17.007	2434	2437	2443	rVB	381837	498029	28.51%	2.076%
28	17.101	2448	2453	2458	rVB	69892	104771	6.00%	0.437%
29	17.165	2458	2464	2468	rBV3	12351	23817	1.36%	0.099%
30	17.377	2496	2500	2505	rBV	22254	31571	1.81%	0.132%
31	17.465	2511	2515	2518	rBV3	18172	27986	1.60%	0.117%
32	17.547	2525	2529	2538	rVB6	16636	35780	2.05%	0.149%
33	17.841	2574	2579	2582	rBV	64786	88819	5.08%	0.370%
34	17.888	2582	2587	2593	rVV2	103611	190825	10.92%	0.795%

LSC Area Percent Report

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Acq On : 30 Apr 2015 4:57
Operator : TP/IZ
Sample : G2031-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB4

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	17.970	2597	2601	2607	rVV	29906	50310	2.88%	0.210%
36	18.035	2607	2612	2616	rVV2	90638	171130	9.79%	0.713%
37	18.070	2616	2618	2624	rVB	49175	63759	3.65%	0.266%
38	18.158	2629	2633	2637	rBV3	21634	30206	1.73%	0.126%
39	18.346	2661	2665	2669	rBV	49701	65910	3.77%	0.275%
40	18.393	2669	2673	2678	rVB2	41339	63221	3.62%	0.264%
41	18.593	2704	2707	2713	rVB3	17764	22141	1.27%	0.092%
42	18.646	2713	2716	2719	rVB	19782	20012	1.15%	0.083%
43	18.687	2719	2723	2727	rVB2	18940	24159	1.38%	0.101%
44	18.769	2731	2737	2740	rBV	48786	85398	4.89%	0.356%
45	18.857	2750	2752	2756	rVB	17248	21061	1.21%	0.088%
46	18.910	2756	2761	2769	rBV2	51885	90868	5.20%	0.379%
47	19.034	2776	2782	2789	rBV	909087	1211911	69.37%	5.052%
48	19.134	2796	2799	2801	rBV2	21819	23548	1.35%	0.098%
49	19.292	2821	2826	2833	rVB3	57535	114140	6.53%	0.476%
50	19.398	2839	2844	2852	rVB	829983	1178399	67.45%	4.912%
51	19.468	2852	2856	2862	rVB3	39634	59448	3.40%	0.248%
52	19.604	2870	2879	2883	rBV	1451038	1747124	100.00%	7.283%
53	19.639	2883	2885	2893	rVB	51149	66224	3.79%	0.276%
54	19.721	2894	2899	2901	rBV5	56489	88234	5.05%	0.368%
55	19.891	2917	2928	2933	rBV3	87499	238495	13.65%	0.994%
56	19.991	2942	2945	2949	rBV	36733	41248	2.36%	0.172%
57	20.050	2950	2955	2959	rVV2	75458	122874	7.03%	0.512%
58	20.091	2959	2962	2966	rVB3	19468	23809	1.36%	0.099%
59	20.126	2966	2968	2974	rVB3	17325	23625	1.35%	0.098%
60	20.191	2975	2979	2983	rBV	50003	67686	3.87%	0.282%
61	20.232	2983	2986	2991	rVV	48647	68684	3.93%	0.286%
62	20.644	3052	3056	3062	rBV	102843	136695	7.82%	0.570%
63	20.802	3078	3083	3087	rBV2	84342	137029	7.84%	0.571%
64	20.843	3087	3090	3092	rVV	77441	100319	5.74%	0.418%
65	20.873	3092	3095	3102	rVV3	162956	310576	17.78%	1.295%
66	20.937	3103	3106	3113	rVB	98504	136815	7.83%	0.570%
67	21.072	3126	3129	3133	rVB	293601	311311	17.82%	1.298%
68	21.155	3137	3143	3147	rVV2	811401	1545248	88.45%	6.441%
69	21.196	3147	3150	3160	rVB	479191	592574	33.92%	2.470%
70	21.307	3166	3169	3176	rVB2	78676	110946	6.35%	0.462%
71	21.472	3193	3197	3201	rVB3	51994	78098	4.47%	0.326%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016819.D
Acq On : 30 Apr 2015 4:57
Operator : TP/IZ
Sample : G2031-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB4

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	21.695	3233	3235	3239	rVB	72339	81356	4.66%	0.339%
73	22.700	3400	3406	3411	rBV	409783	928640	53.15%	3.871%
74	22.864	3430	3434	3439	rVB	75082	118904	6.81%	0.496%
75	23.164	3480	3485	3493	rVB	253382	455715	26.08%	1.900%
76	23.258	3496	3501	3508	rVV	378811	651664	37.30%	2.716%
77	23.358	3511	3518	3522	rVV	406648	774271	44.32%	3.227%
78	23.399	3523	3525	3534	rVB2	120799	213703	12.23%	0.891%
79	25.579	3889	3896	3906	rVB	185715	517928	29.64%	2.159%
80	26.266	4006	4013	4023	rVB	127940	350188	20.04%	1.460%

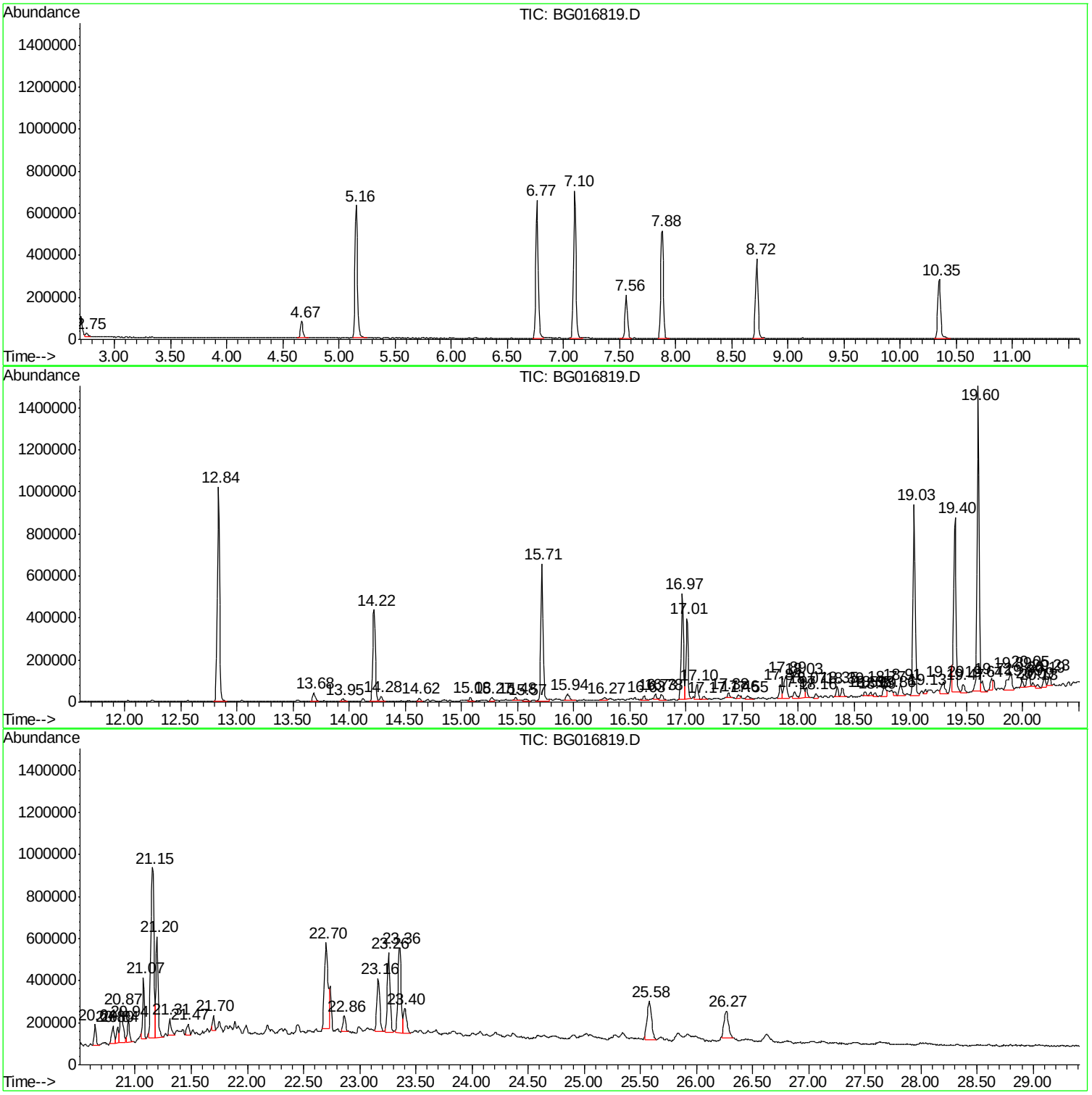
Sum of corrected areas: 23990581

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016819.D
Acq On : 30 Apr 2015 4:57
Operator : TP/IZ
Sample : G2031-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB4

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 : BG016819.D
Acq On : 30 Apr 2015 4:57
Operator : TP/IZ
Sample : G2031-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB4

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

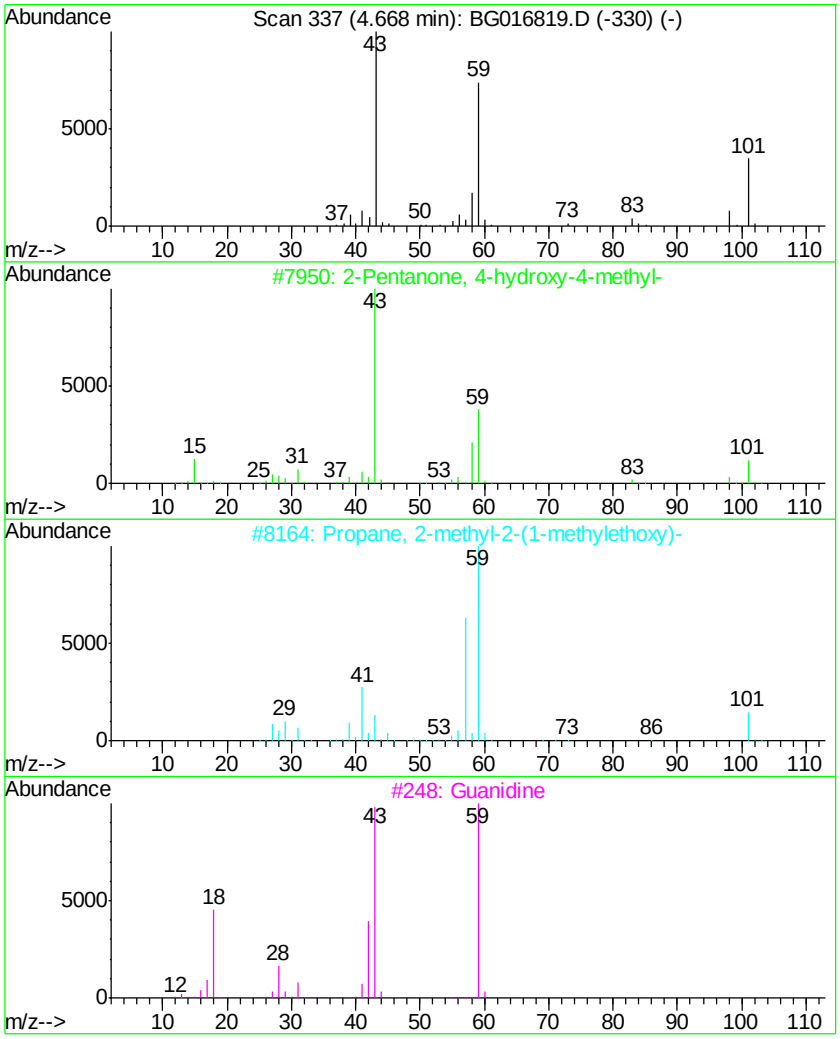
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

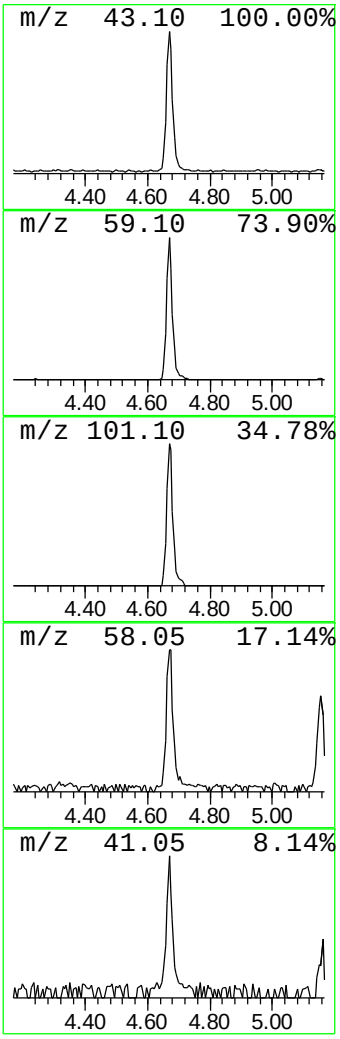
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.67	7.08 ng	114151	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	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3	Guanidine	59	CH5N3	000113-00-8	50
4	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	45
5	1,2-Butanediol, (.+/-.)-	90	C4H10O2	026171-83-5	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016819.D
Acq On : 30 Apr 2015 4:57
Operator : TP/IZ
Sample : G2031-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB4

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

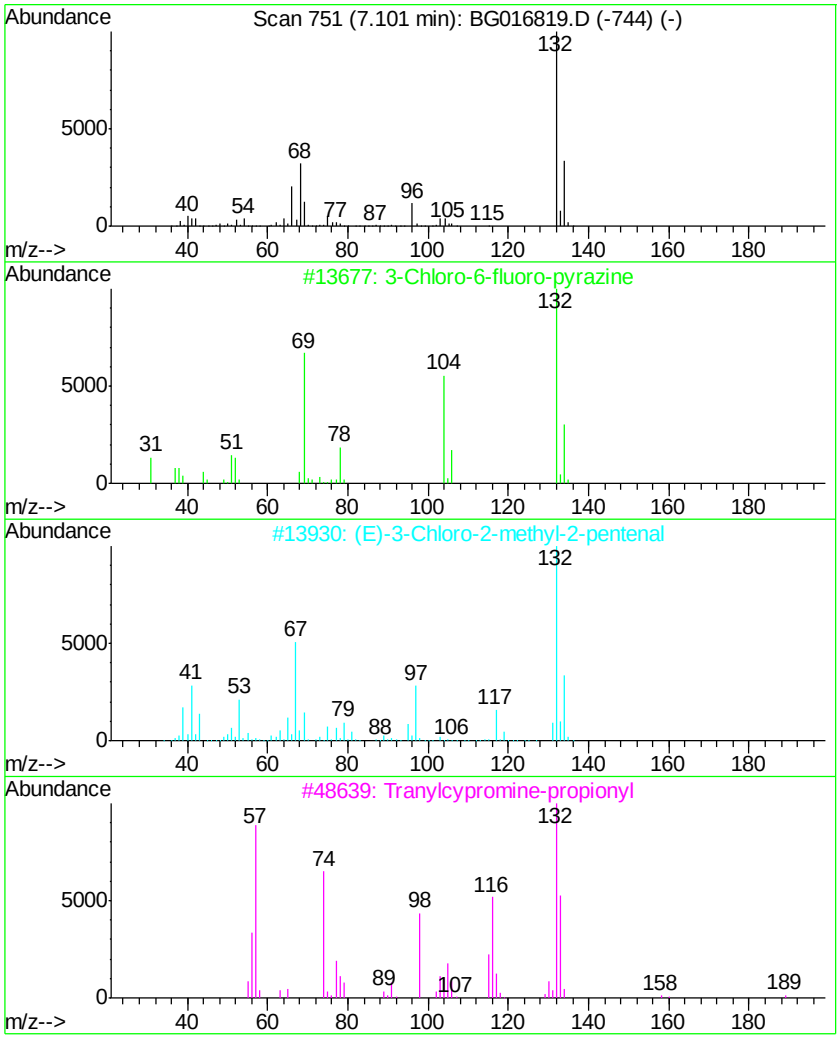
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

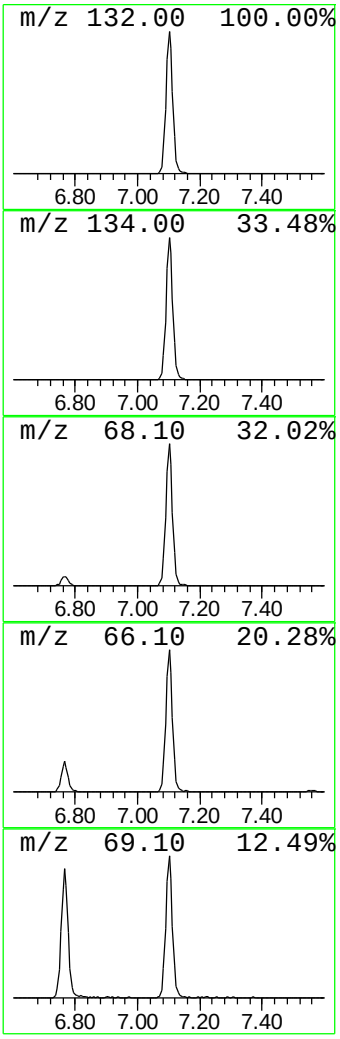
****

Peak Number 2 unknown7.10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	67.51 ng	1088520	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	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016819.D
Acq On : 30 Apr 2015 4:57
Operator : TP/IZ
Sample : G2031-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB4

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

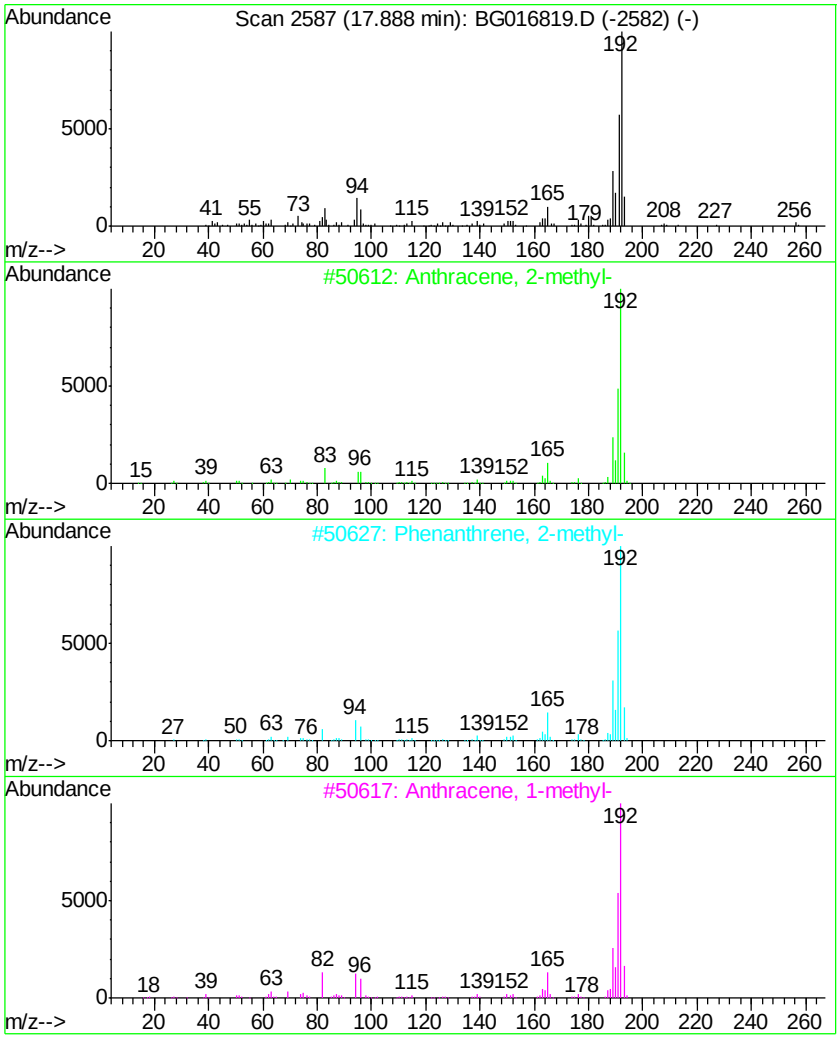
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

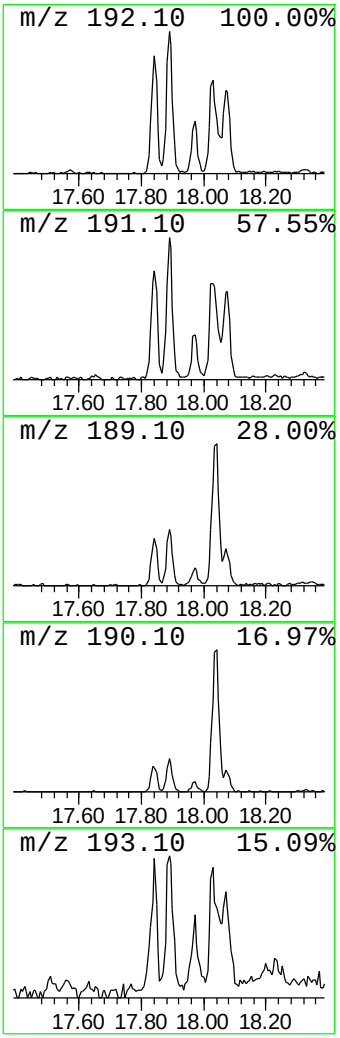
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	5.22 ng	190825	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76





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Sample : G2031-04
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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB4

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

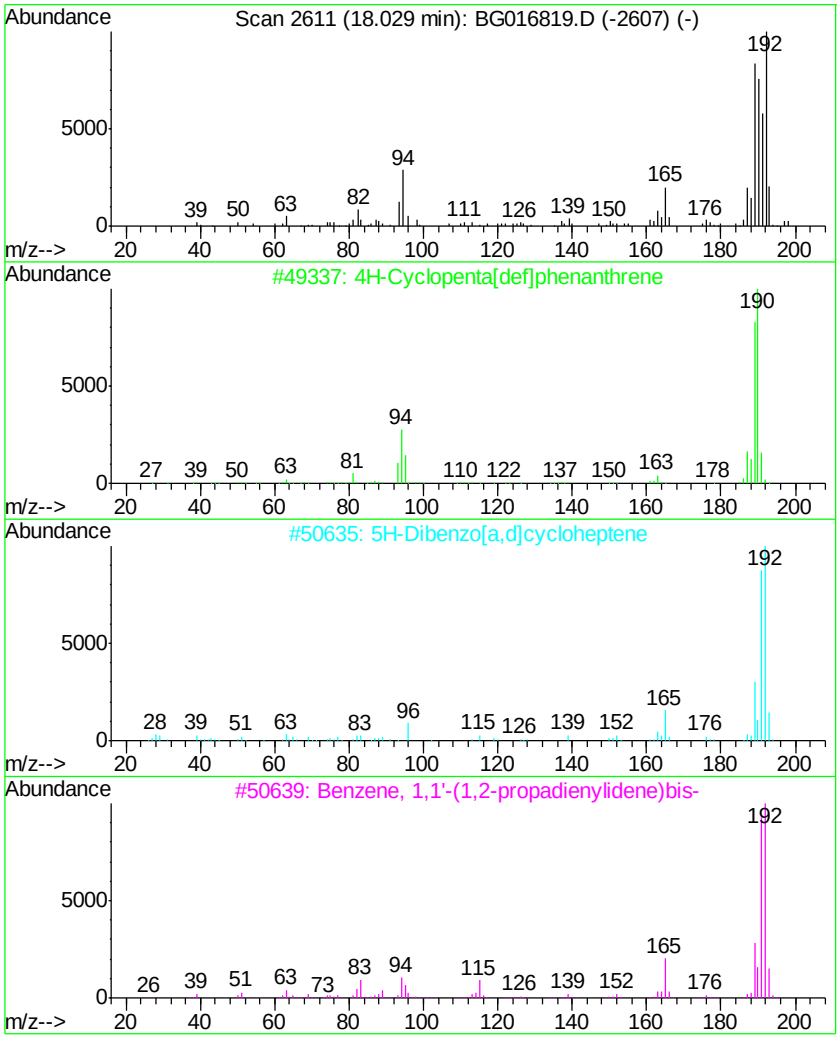
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

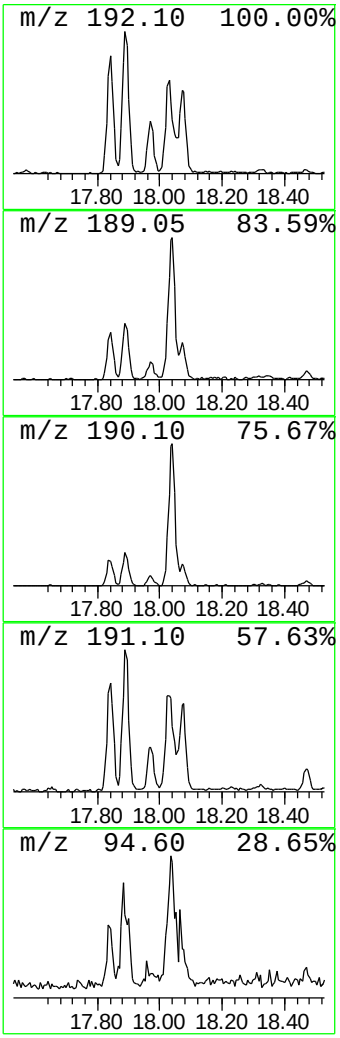
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	4.68 ng	171130	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
3	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	25
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	20





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016819.D
Acq On : 30 Apr 2015 4:57
Operator : TP/IZ
Sample : G2031-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB4

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

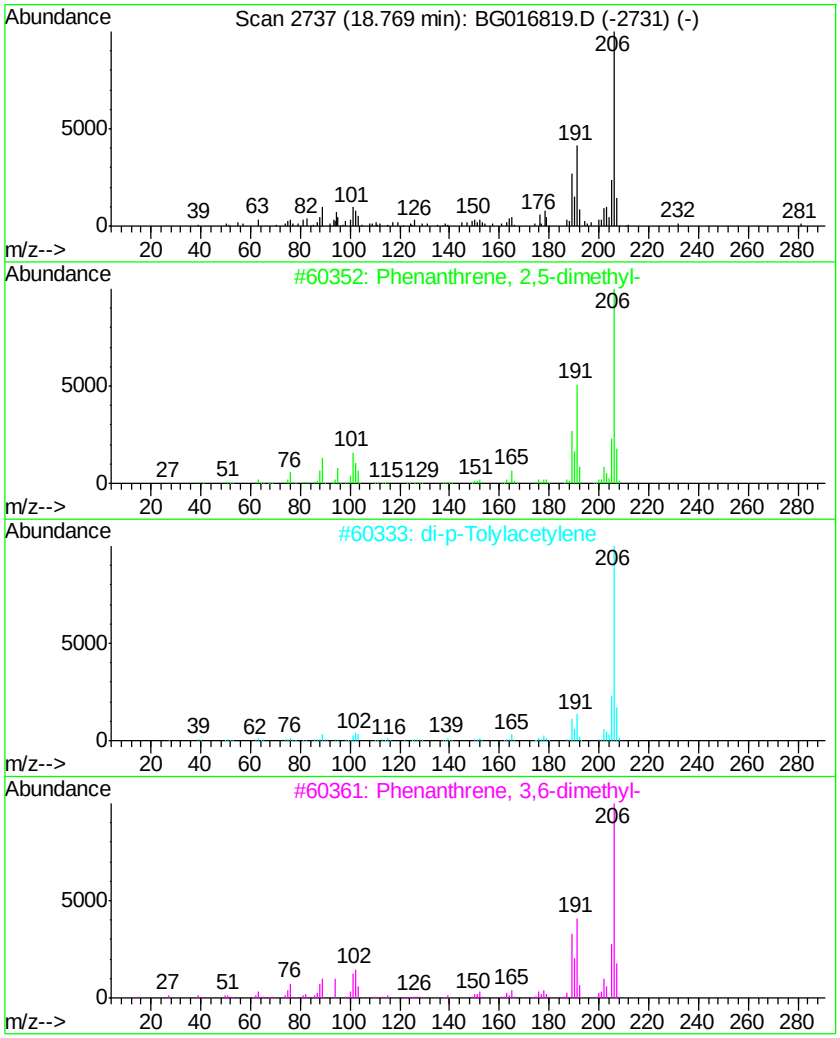
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

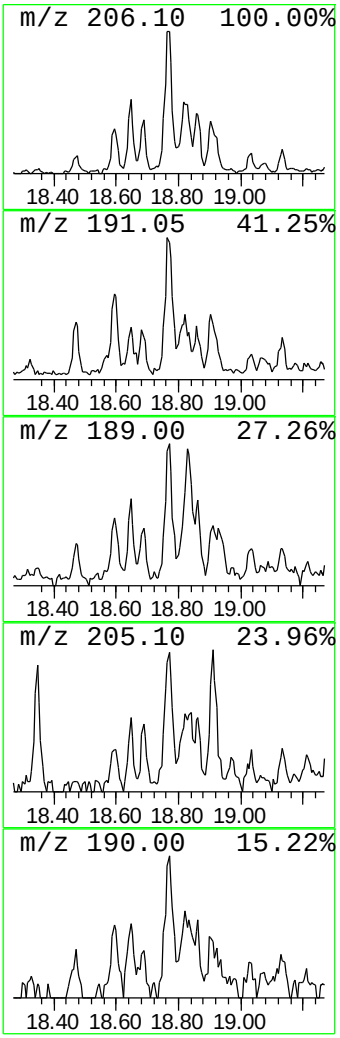
****

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.33 ng	85398	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016819.D
Acq On : 30 Apr 2015 4:57
Operator : TP/IZ
Sample : G2031-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB4

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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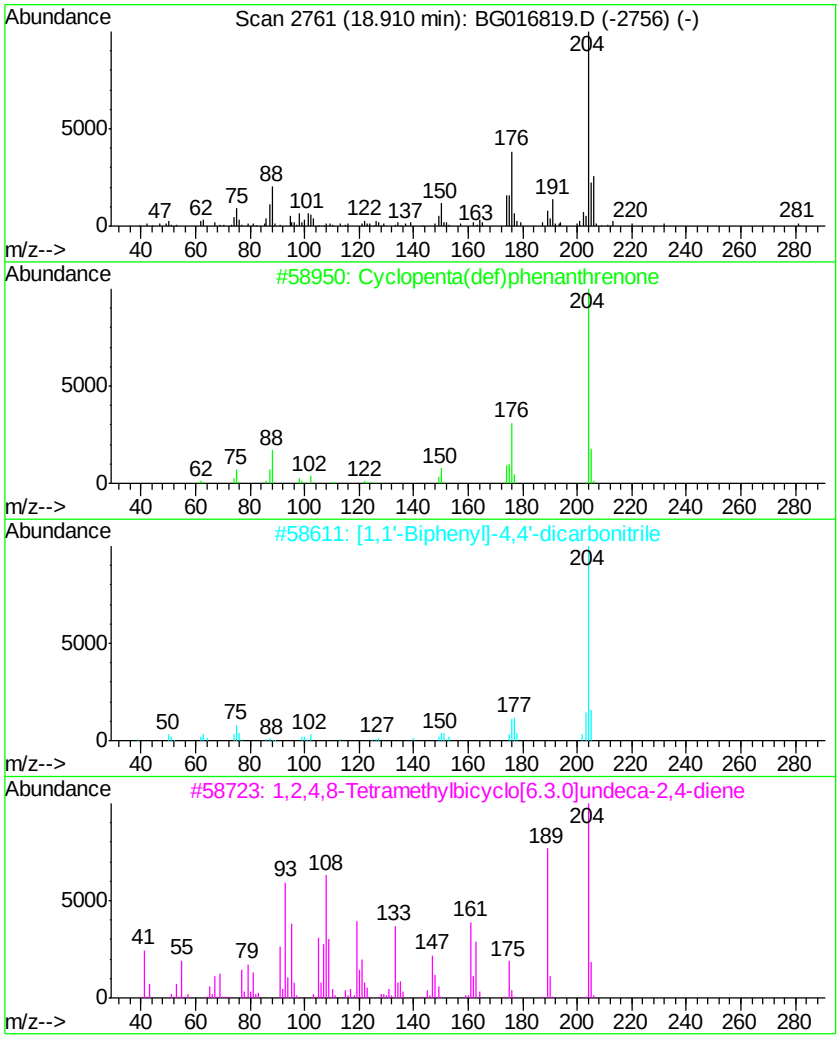
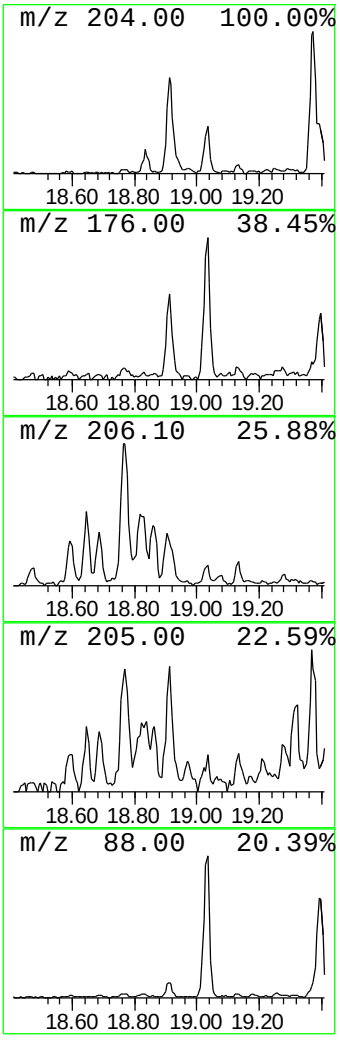
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.48 ng	90868	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	38
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016819.D
Acq On : 30 Apr 2015 4:57
Operator : TP/IZ
Sample : G2031-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB4

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

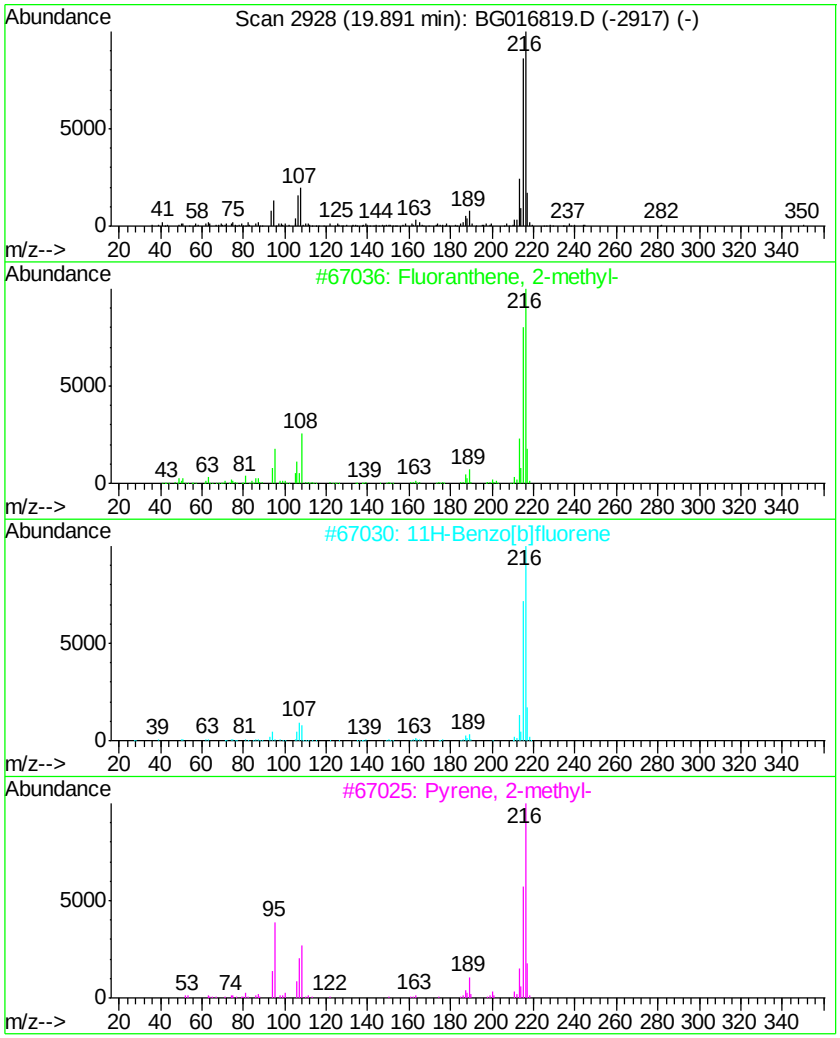
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

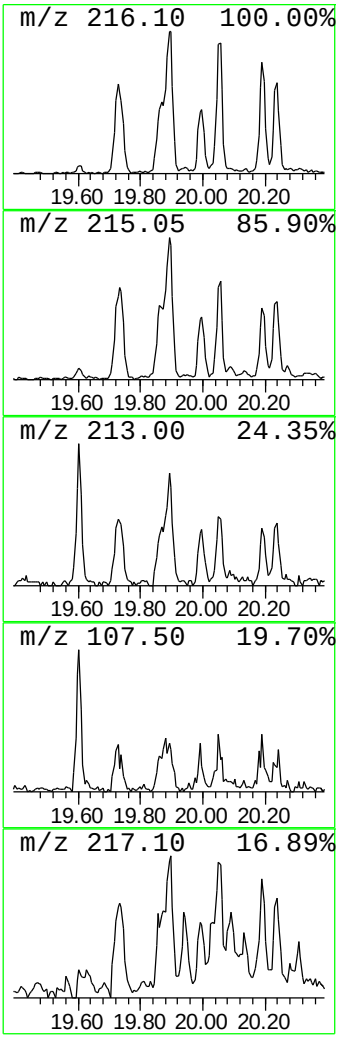
****

Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	3.09 ng	238495	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016819.D
Acq On : 30 Apr 2015 4:57
Operator : TP/IZ
Sample : G2031-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB4

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

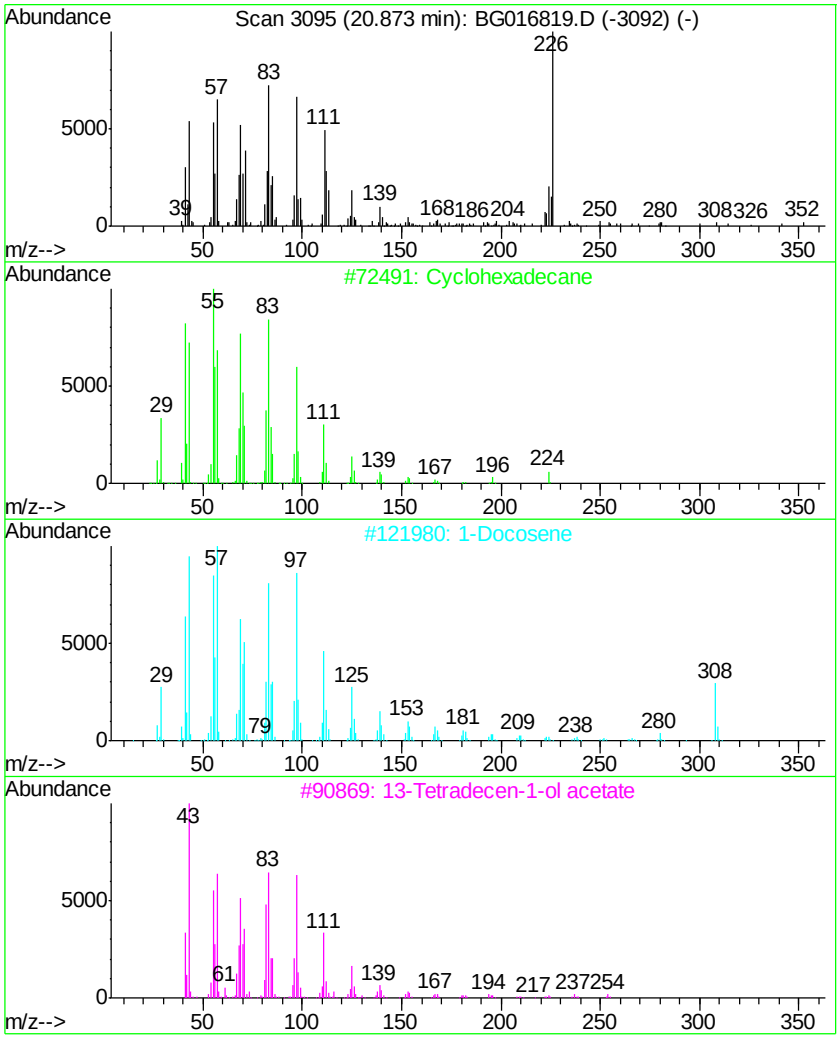
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

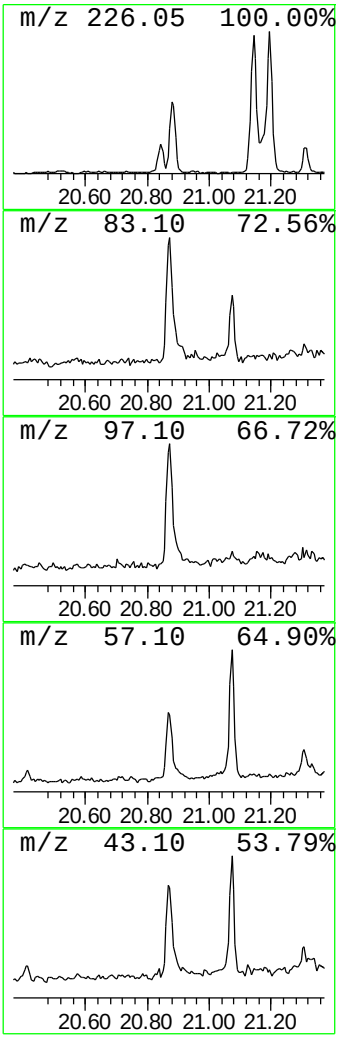
****

Peak Number 10 Cyclohexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	4.02 ng	310576	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	90
2	1-Docosene	308	C22H44	001599-67-3	89
3	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	87
4	1-Nonadecene	266	C19H38	018435-45-5	86
5	1-Eicosene	280	C20H40	003452-07-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042915\
Data File : BG016819.D
Acq On : 30 Apr 2015 4:57
Operator : TP/IZ
Sample : G2031-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB4

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	7.1	ng	114151	1	7.56	322460	20.0
unknown7.10	7.10	67.5	ng	1088520	1	7.56	322460	20.0
Anthracene, 2-met...	17.89	5.2	ng	190825	4	16.97	731769	20.0
4H-Cyclopenta[def...	18.03	4.7	ng	171130	4	16.97	731769	20.0
Phenanthrene, 2,5...	18.77	2.3	ng	85398	4	16.97	731769	20.0
Cyclopenta(def)ph...	18.91	2.5	ng	90868	4	16.97	731769	20.0
Fluoranthene, 2-m...	19.89	3.1	ng	238495	5	21.16	1545250	20.0
Cyclohexadecane	20.87	4.0	ng	310576	5	21.16	1545250	20.0