LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WK4

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-BG050916.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	3.239	64	68	72	rBV2	8518	12861	0.59%	0.046%
2	3.286	72	76	80	rVV	7726	11408	0.52%	0.041%
3	3.333	80	84	90	rVB3	5438	8727	0.40%	0.032%
4	3.551	117	121	128	rBV	7522	12582	0.58%	0.045%
5	4.086	207	212	219	rBV2	9458	16461	0.76%	0.059%
6	4.315	246	251	257	rBV	5250	9430	0.43%	0.034%
7	7.323	755	763	779	rBV	150253	318134	14.60%	1.149%
8	7.493	784	792	800	rBV	125310	244614	11.23%	0.883%
9	7.699	820	827	836	rBV	174195	347051	15.93%	1.253%
10	8.175	896	908	919	rBV	132813	277674	12.75%	1.003%
11	8.809	1011	1016	1020	rBV3	4797	9473	0.43%	0.034%
12	8.874	1020	1027	1041	rVV	230933	474171	21.77%	1.712%
13	9.009	1047	1050	1057	rVV5	5183	10582	0.49%	0.038%
14	9.344	1099	1107	1118	rVV	142293	307105	14.10%	1.109%
15	9.873	1190	1197	1202	rBV4	5072	9450	0.43%	0.034%
16	10.067	1222	1230	1242	rBV	122169	269696	12.38%	0.974%
17	10.384	1279	1284	1288	rBV6	4294	8542	0.39%	0.031%
18	10.607	1314	1322	1341	rVV	242287	509940	23.41%	1.842%
19	10.995	1380	1388	1403	rVB	258021	558312	25.63%	2.016%
20	11.124	1403	1410	1427	rBV	116826	285018	13.08%	1.029%
21	11.988	1552	1557	1563	rVB4	5588	10594	0.49%	0.038%
22	12.376	1618	1623	1630	rVB4	8516	17210	0.79%	0.062%
23	12.564	1650	1655	1662	rVV3	5372	10660	0.49%	0.038%
24	12.634	1662	1667	1673	rVB2	13249	23672	1.09%	0.085%
25	12.846	1697	1703	1711	rVV4	11493	24553	1.13%	0.089%
26	13.604	1827	1832	1835	rBV2	13151	20509	0.94%	0.074%
27	13.633	1835	1837	1839	rVV2	8135	9626	0.44%	0.035%
28	13.668	1840	1843	1849	rVB4	9619	17376	0.80%	0.063%
29	13.974	1886	1895	1905	rVB7	6551	19955	0.92%	0.072%
30	14.115	1914	1919	1925	rBV5	12777	25536	1.17%	0.092%
31	14.191	1925	1932	1937	rVV	482579	791520	36.34%	2.858%
32	14.238	1937	1940	1947	rVB	95785	158891	7.29%	0.574%
33	14.491	1975	1983	2001	rBV	644854	1232537	56.58%	4.451%
34	14.626	2001	2006	2009	rVV7	7479	17658	0.81%	0.064%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WK4

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-BG050916.M
Title : SVOA CALIBRATION

35	14.667	2009	2013	2020	rVV	31028	51710	2.37%	0.187%
36	14.797	2022	2035	2043	rVV2	500235	893065	41.00%	3.225%
37	14.861	2043	2046	2053	rVB8	7696	14561	0.67%	0.053%
38	14.985	2061	2067	2080	rBV	104693	255258	11.72%	0.922%
39	15.190	2097	2102	2111	rVB5	12965	29155	1.34%	0.105%
40	15.278	2112	2117	2121	rVB7	6211	10735	0.49%	0.039%
41	15.413	2134	2140	2145	rBV6	7081	15461	0.71%	0.056%
42	15.578	2163	2168	2171	rBV6	9853	20247	0.93%	0.073%
43	15.613	2171	2174	2180	rVB	48797	66915	3.07%	0.242%
44	15.678	2180	2185	2188	rBV5	6650	11285	0.52%	0.041%
45	15.784	2194	2203	2209	rBV	825193	1396515	64.11%	5.043%
46	15.831	2209	2211	2217	rVB4	25048	33917	1.56%	0.122%
47	15.901	2217	2223	2231	rBV	95818	182923	8.40%	0.661%
48	16.019	2237	2243	2248	rBV3	24877	46601	2.14%	0.168%
49	16.124	2255	2261	2266	rVB5	11470	22594	1.04%	0.082%
50	16.277	2284	2287	2293	rBV3	7537	13930	0.64%	0.050%
51	16.477	2316	2321	2324	rBV2	49997	81247	3.73%	0.293%
52	16.829	2375	2381	2382	rBV5	10244	17531	0.80%	0.063%
53	16.876	2385	2389	2393	rVB2	18679	29979	1.38%	0.108%
54	16.988	2405	2408	2412	rVB5	9042	10370	0.48%	0.037%
55	17.064	2417	2421	2425	rVV6	11117	21239	0.97%	0.077%
56	17.100	2425	2427	2438	rVB7	9639	23007	1.06%	0.083%
57	17.194	2438	2443	2449	rBV	32202	58913	2.70%	0.213%
58	17.270	2451	2456	2461	rVV3	29399	47675	2.19%	0.172%
59	17.323	2461	2465	2468	rVV6	8207	13075	0.60%	0.047%
60	17.358	2468	2471	2477	rVB2	13795	20136	0.92%	0.073%
61	17.540	2495	2502	2506	rBV	587554	1026678	47.13%	3.708%
62	17.581	2506	2509	2513	rVV	265125	405133	18.60%	1.463%
63	17.640	2513	2519	2530	rVB	792464	1405751	64.53%	5.077%
64	17.846	2552	2554	2559	rVB6	7224	10108	0.46%	0.037%
65	17.940	2562	2570	2578	rVV2	71105	158069	7.26%	0.571%
66	18.010	2579	2582	2586	rVV3	17232	24330	1.12%	0.088%
67	18.052	2587	2589	2596	rVB6	7990	12998	0.60%	0.047%
68	18.216	2615	2617	2622	rVV6	5231	9354	0.43%	0.034%
69	18.334	2634	2637	2640	rBV4	9290	12354	0.57%	0.045%
70	18.410	2645	2650	2654	rBV3	78329	145677	6.69%	0.526%
71	18.457	2654	2658	2668	rVB3	70858	158182	7.26%	0.571%

LSC Area Percent Report

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Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WK4

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-BG050916.M
Title : SVOA CALIBRATION

72	18.533	2669	2671	2677	rVB2	13293	18687	0.86%	0.067%
73	18.604	2677	2683	2687	rBV3	68771	136607	6.27%	0.493%
74	18.704	2696	2700	2704	rBV5	20239	34204	1.57%	0.124%
75	18.903	2730	2734	2737	rBV	39104	60872	2.79%	0.220%
76	18.950	2737	2742	2748	rVB2	57809	97894	4.49%	0.354%
77	19.144	2770	2775	2778	rBV6	26501	41297	1.90%	0.149%
78	19.321	2800	2805	2810	rBV5	65522	119032	5.46%	0.430%
79	19.462	2825	2829	2834	rVB	56866	93332	4.28%	0.337%
80	19.579	2843	2849	2856	rVB	768690	1175836	53.98%	4.246%
81	19.673	2861	2865	2870	rBV3	60108	101173	4.64%	0.365%
82	19.732	2871	2875	2879	rVB	48818	71577	3.29%	0.258%
83	19.914	2899	2906	2909	rBV	1065262	1813440	83.25%	6.549%
84	20.037	2919	2927	2933	rVB2	116413	207312	9.52%	0.749%
85	20.178	2949	2951	2958	rVB	58350	90787	4.17%	0.328%
86	20.267	2960	2966	2971	rVV3	55241	140140	6.43%	0.506%
87	20.989	3085	3089	3093	rBV2	73869	124313	5.71%	0.449%
88	21.201	3121	3125	3133	rVB2	133333	230729	10.59%	0.833%
89	21.436	3161	3165	3170	rVB	299707	441072	20.25%	1.593%
90	21.542	3180	3183	3190	rVB	128691	233129	10.70%	0.842%
91	21.688	3204	3208	3216	rVB2	195609	311385	14.29%	1.125%
92	21.818	3223	3230	3236	rBV3	853164	2178379	100.00%	7.867%
93	21.871	3236	3239	3252	rVB	381046	721161	33.11%	2.604%
94	22.100	3274	3278	3285	rVB	84685	148990	6.84%	0.538%
95	22.634	3364	3369	3380	rVB2	307676	661424	30.36%	2.389%
96	24.109	3611	3620	3627	rBV3	409660	1462825	67.15%	5.283%
97	24.867	3741	3749	3754	rBV3	204641	629008	28.88%	2.272%
98	24.943	3755	3762	3768	rVV3	450608	1394128	64.00%	5.035%
99	25.014	3770	3774	3786	rVB2	356407	919034	42.19%	3.319%
100	25.173	3793	3801	3810	rBV2	381953	1194779	54.85%	4.315%

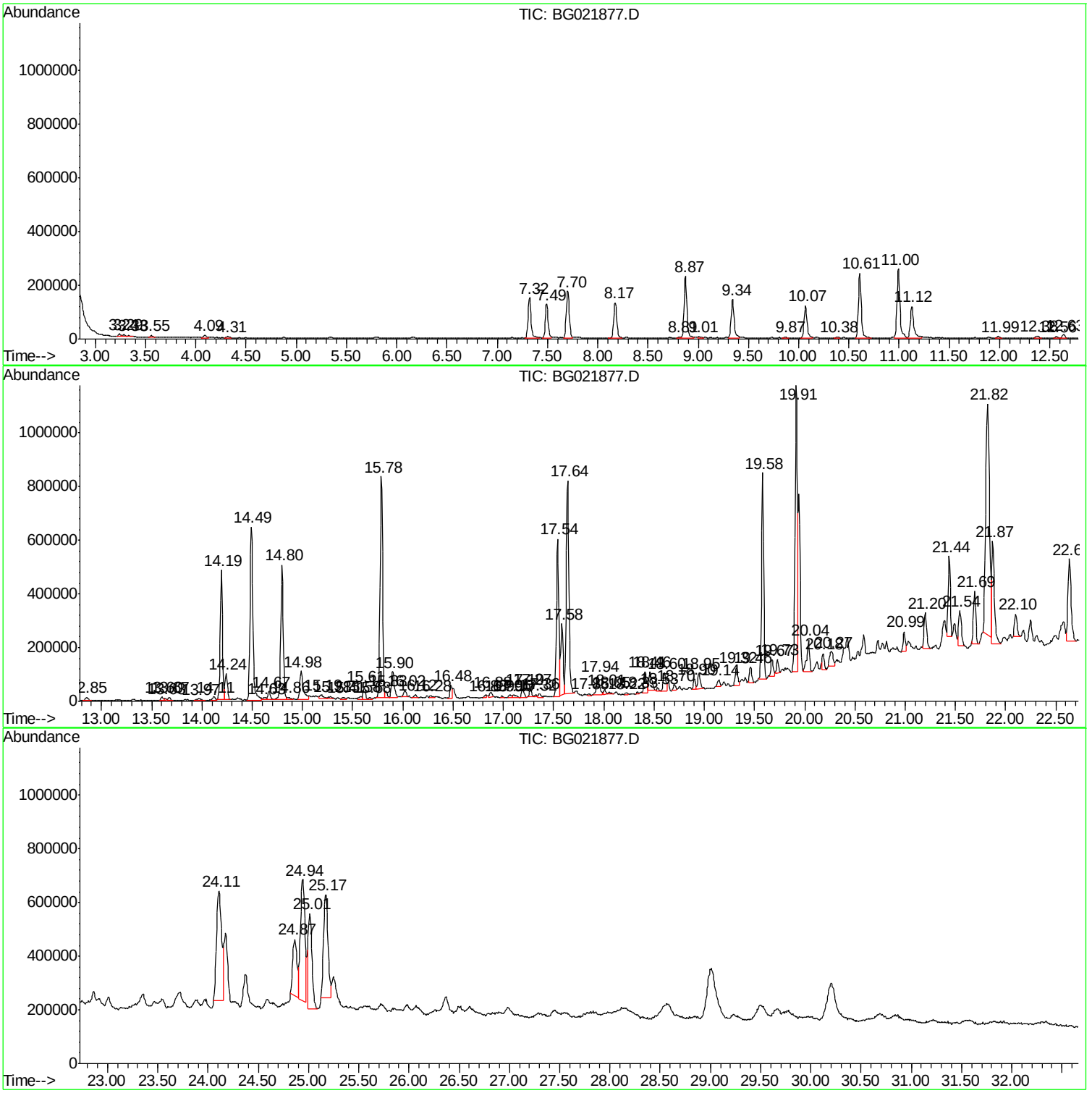
Sum of corrected areas: 27690752

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9WK4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WK4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

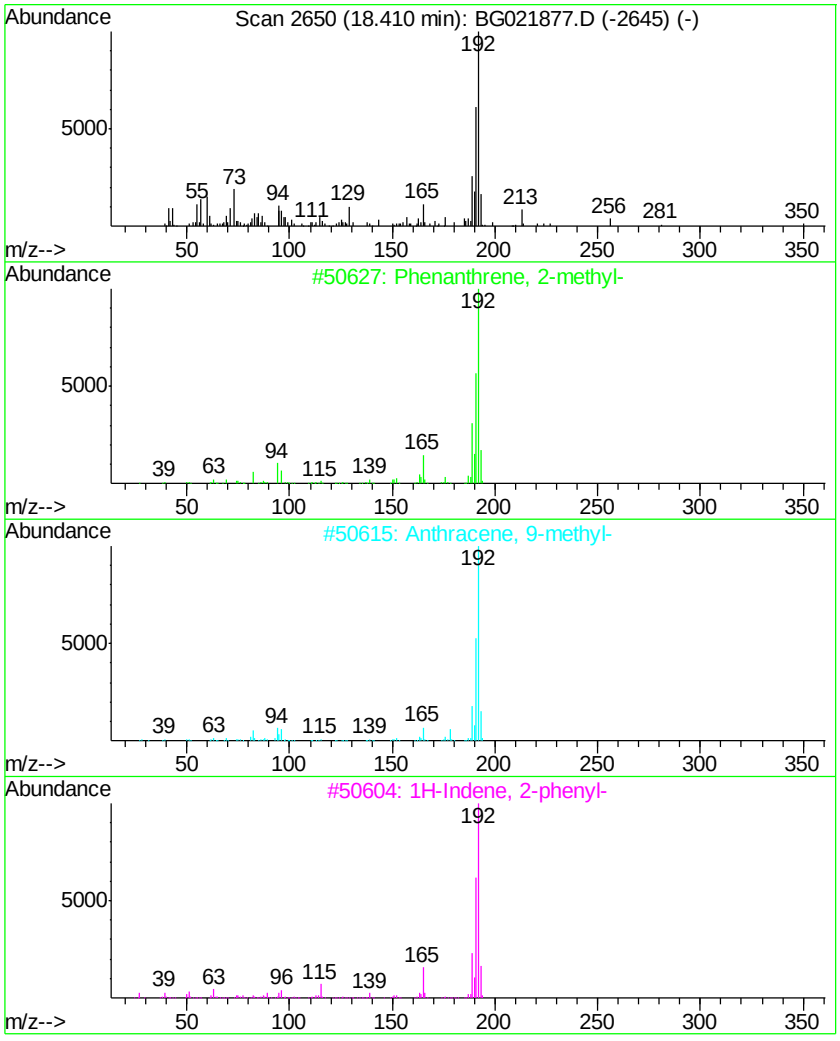
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

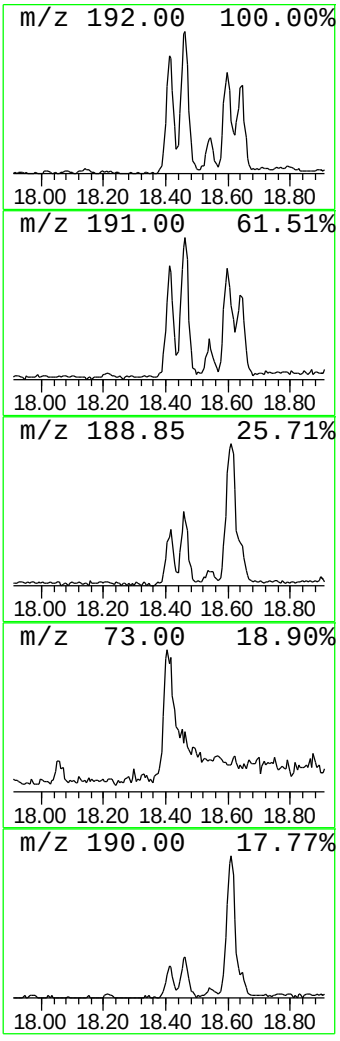
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	2.84 ng/ul	145677	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WK4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

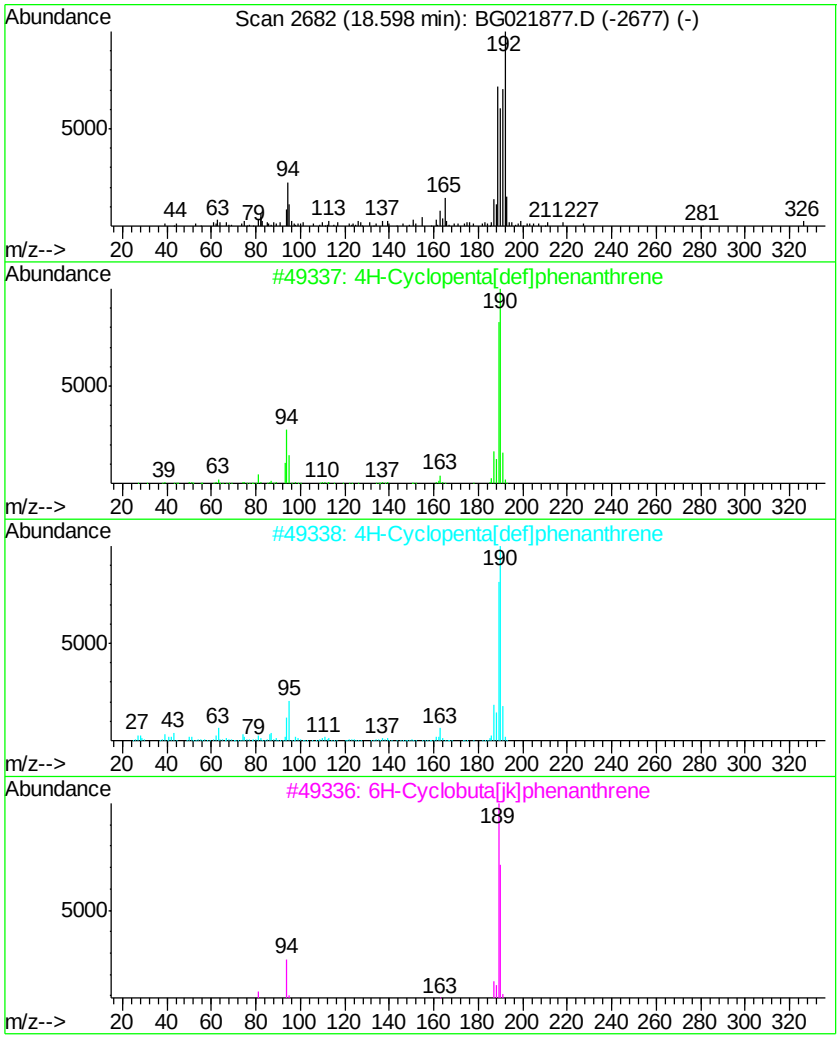
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

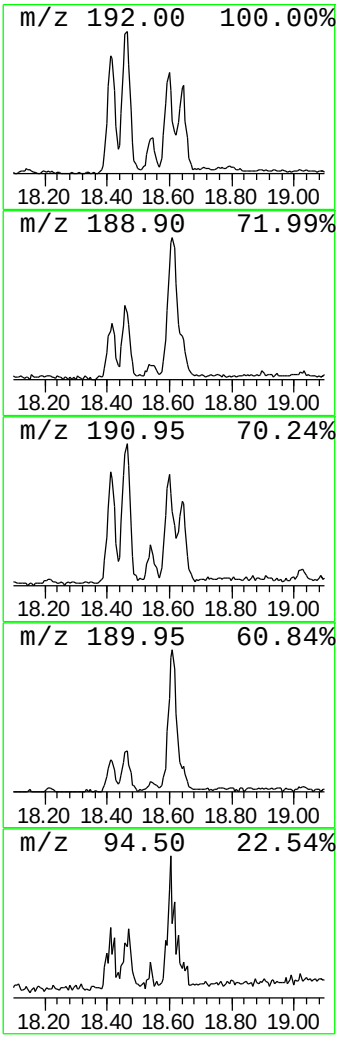
****

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	2.66 ng/ul	136607	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WK4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

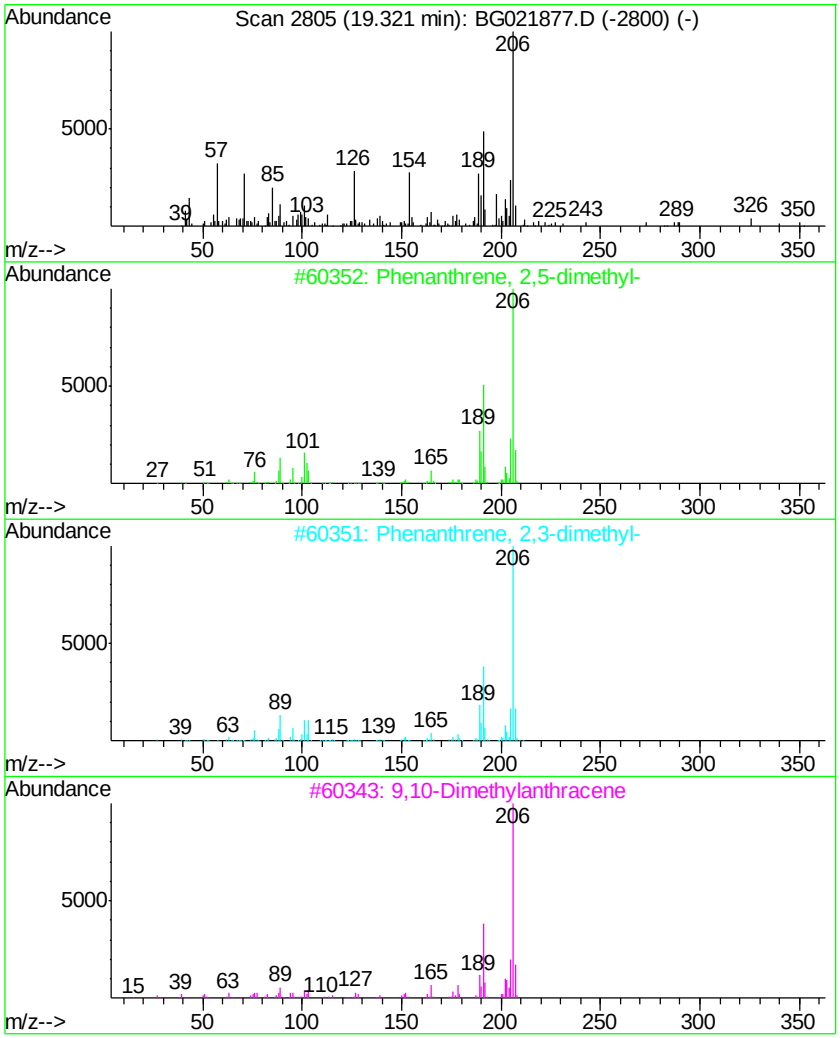
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

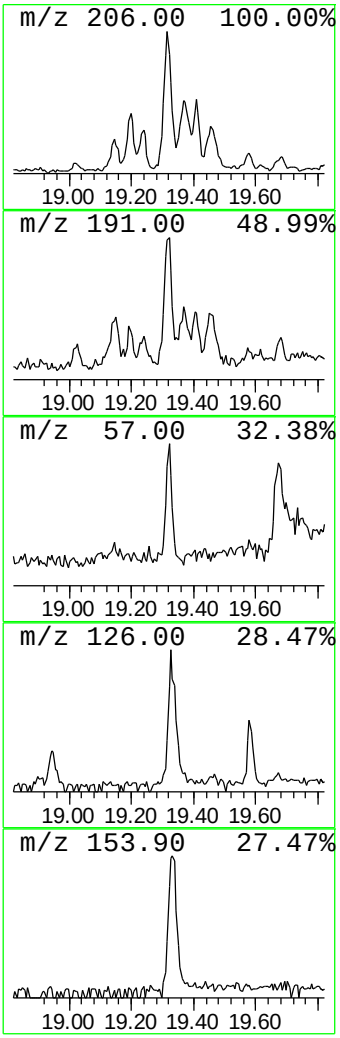
****

Peak Number 3 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	2.32 ng/ul	119032	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	55





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WK4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

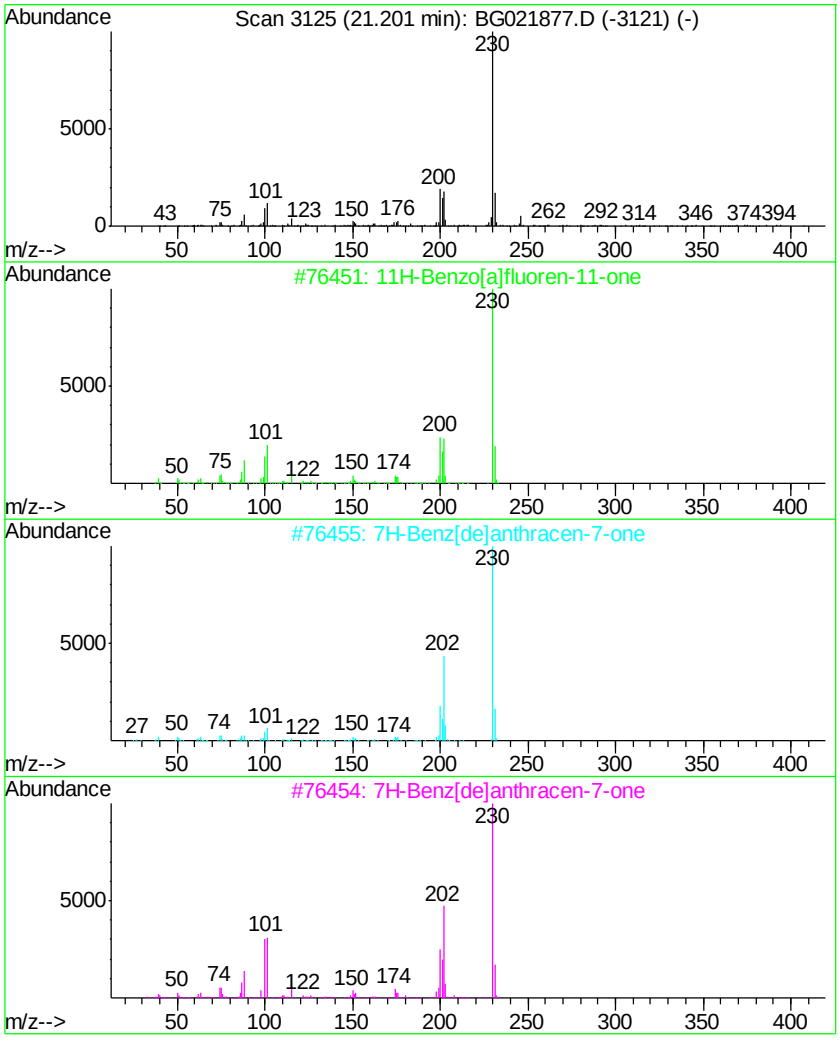
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

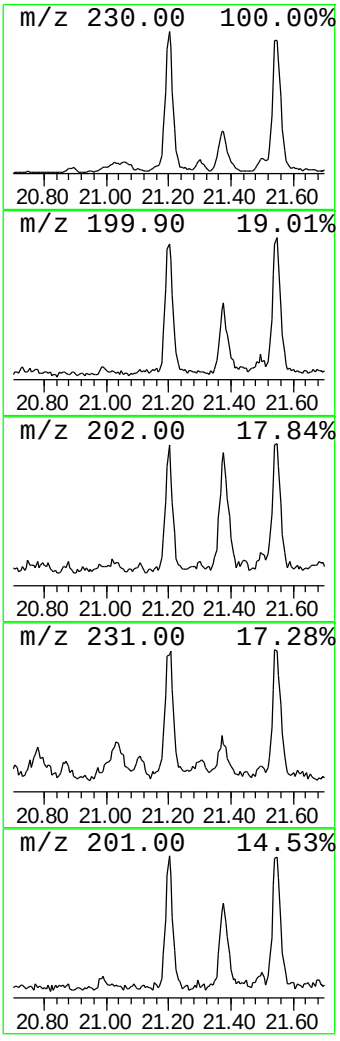
****

Peak Number 4 11H-Benzo[a]fluoren-11-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.20	2.12 ng/ul	230729	Chrysene-d12	21.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WK4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

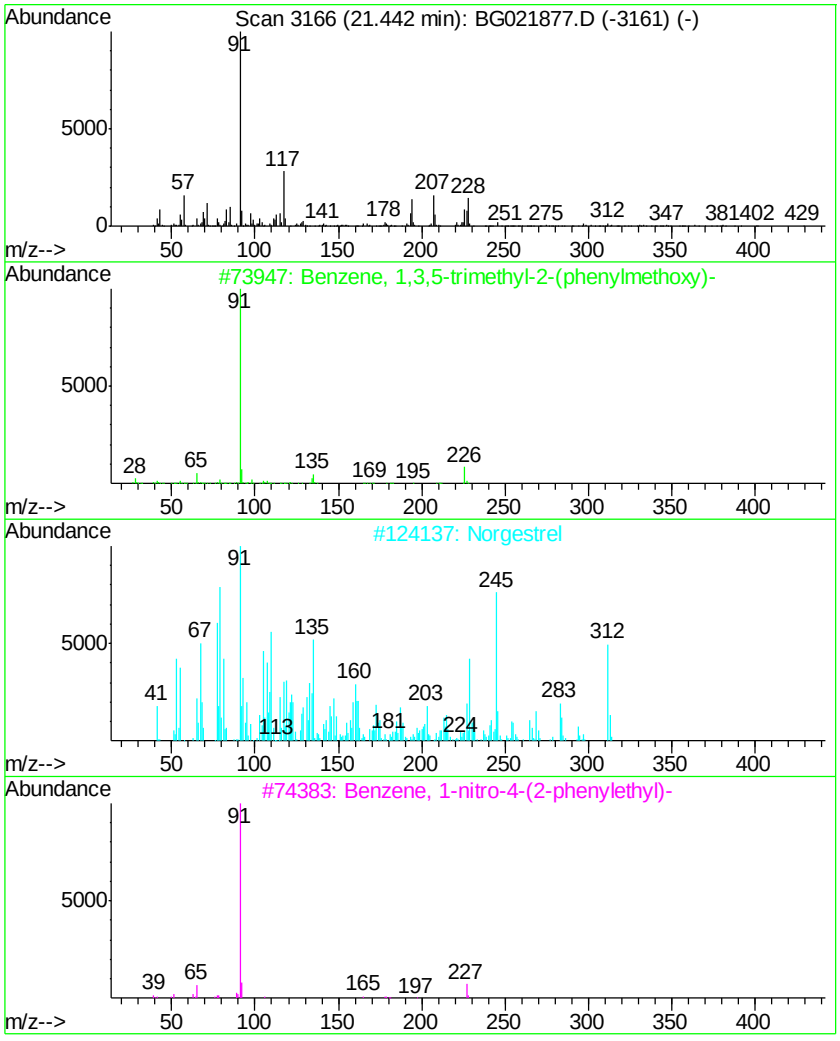
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

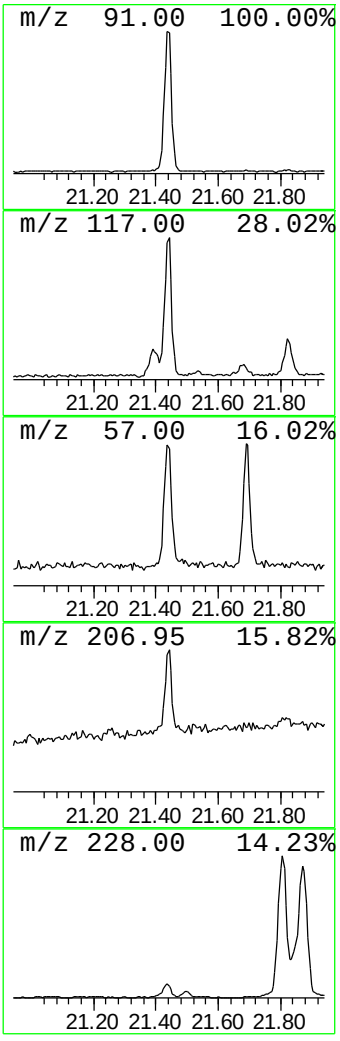
****

Peak Number 5 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	4.05 ng/ul	441072	Chrysene-d12	21.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(phen...	226	C16H18O	019578-76-8	18
2	Norgestrel	312	C21H28O2	006533-00-2	15
3	Benzene, 1-nitro-4-(2-phenylethyl)-	227	C14H13NO2	014310-29-3	14
4	Benzenemethanamine, N-nitroso-N-...	226	C14H14N2O	005336-53-8	14
5	Benzene, 1,1'-[1-(2,2-dimethyl-3...	278	C21H26	061142-62-9	12





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WK4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

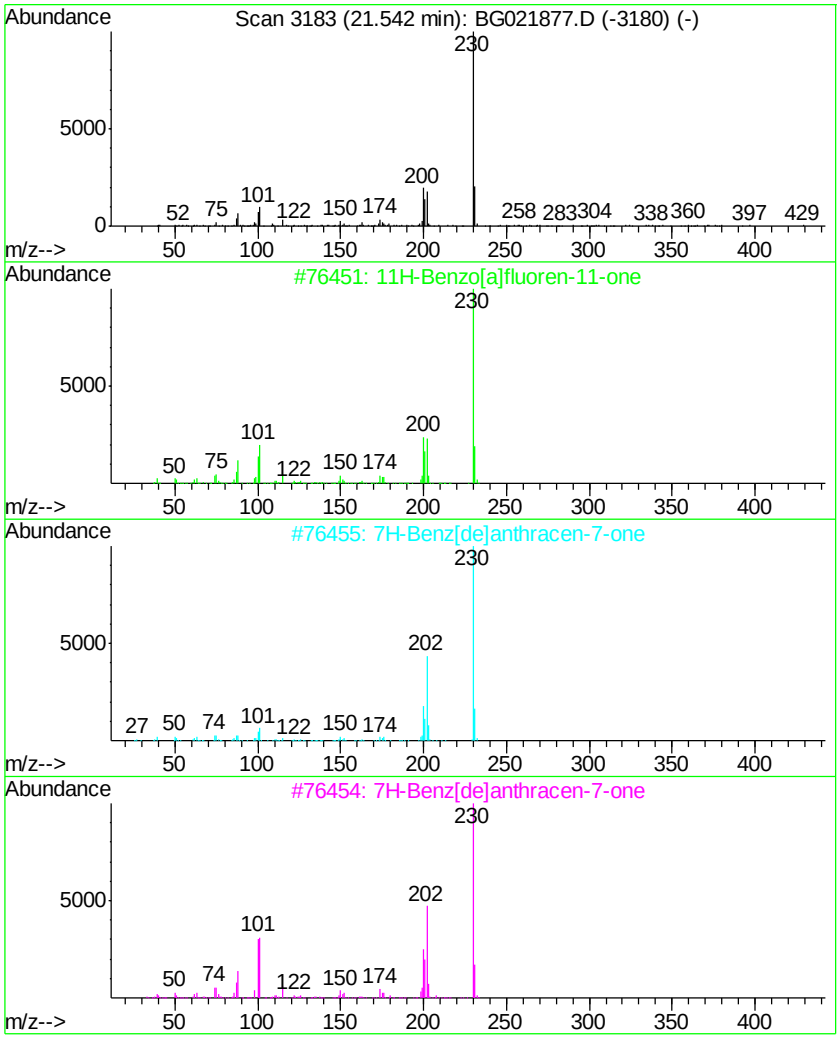
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

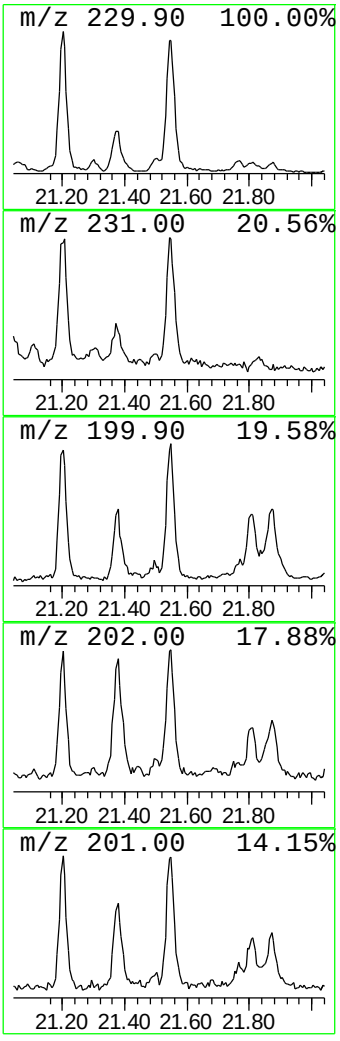
****

Peak Number 6 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.54	2.14 ng/ul	233129	Chrysene-d12	21.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WK4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

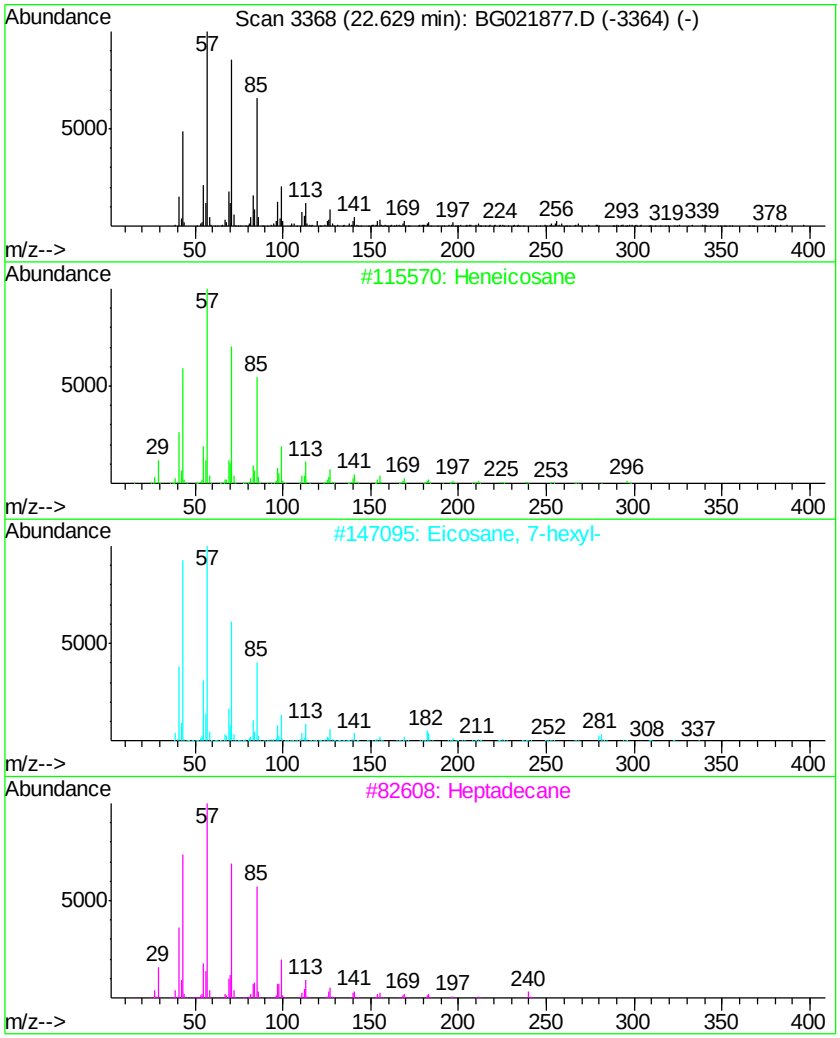
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

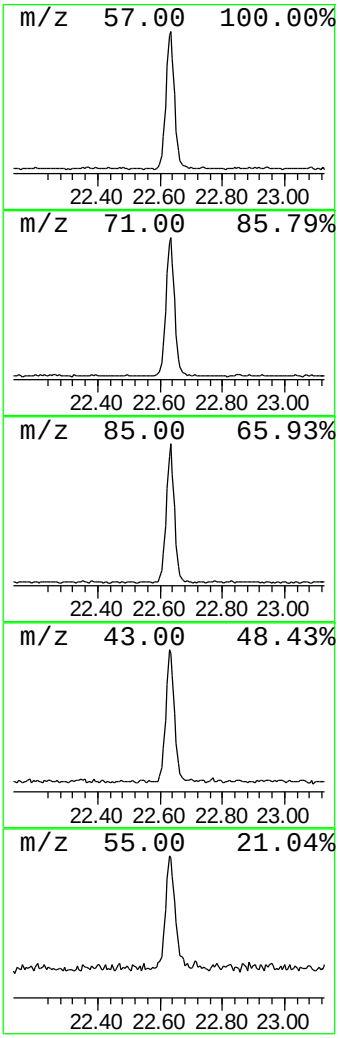
****

Peak Number 7 Heneicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.63	6.07 ng/ul	661424	Chrysene-d12	21.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91
3	Heptadecane	240	C17H36	000629-78-7	90
4	Heptacosane	380	C27H56	000593-49-7	86
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WK4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.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
Phenanthrene, 2-m...	18.41	2.8	ng/ul	145677	4	17.54	1026680	20.0
4H-Cyclopenta[def...	18.60	2.7	ng/ul	136607	4	17.54	1026680	20.0
Phenanthrene, 2,5...	19.32	2.3	ng/ul	119032	4	17.54	1026680	20.0
11H-Benzo[a]fluor...	21.20	2.1	ng/ul	230729	5	21.82	2178380	20.0
unknown-01	21.44	4.0	ng/ul	441072	5	21.82	2178380	20.0
11H-Benzo[a]fluor...	21.54	2.1	ng/ul	233129	5	21.82	2178380	20.0
Heneicosane	22.63	6.1	ng/ul	661424	5	21.82	2178380	20.0