LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

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-BG031616.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	7.345	762	767	771	rBV2	30012	54027	7.97%	0.572%
2	7.386	771	774	782	rVB	24497	39061	5.76%	0.414%
3	7.645	812	818	825	rBB2	33534	54940	8.10%	0.582%
4	8.062	883	889	898	rBB	53030	88808	13.09%	0.941%
5	8.849	1017	1023	1034	rVB2	39969	70232	10.35%	0.744%
6	9.231	1082	1088	1096	rBB	33762	57144	8.42%	0.605%
7	9.954	1205	1211	1218	rBB	30234	51701	7.62%	0.548%
8	10.571	1310	1316	1325	rBB2	41753	74034	10.91%	0.784%
9	10.871	1360	1367	1373	rBV	85048	146947	21.66%	1.556%
10	10.924	1373	1376	1382	rVV	10033	14023	2.07%	0.149%
11	11.012	1385	1391	1403	rBB2	33663	60192	8.87%	0.637%
12	12.516	1642	1647	1652	rBB2	8022	12632	1.86%	0.134%
13	12.739	1679	1685	1689	rBB	7270	11644	1.72%	0.123%
14	13.996	1894	1899	1905	rBV2	9448	15510	2.29%	0.164%
15	14.079	1905	1913	1917	rVV	87156	129051	19.03%	1.367%
16	14.126	1917	1921	1927	rVB	42639	57440	8.47%	0.608%
17	14.372	1957	1963	1973	rBB	93637	151124	22.28%	1.601%
18	14.678	2006	2015	2021	rBV2	127864	212056	31.26%	2.246%
19	14.743	2021	2026	2032	rVB	35001	54158	7.98%	0.574%
20	14.983	2060	2067	2073	rBB4	6945	10959	1.62%	0.116%
21	15.077	2076	2083	2085	rBV2	24421	43134	6.36%	0.457%
22	15.665	2177	2183	2188	rVV	123711	186859	27.55%	1.979%
23	15.724	2188	2193	2200	rVV2	37581	59305	8.74%	0.628%
24	15.800	2200	2206	2210	rVV3	29205	49792	7.34%	0.527%
25	15.847	2210	2214	2217	rVV2	9556	14403	2.12%	0.153%
26	15.882	2217	2220	2224	rVV4	9586	14891	2.20%	0.158%
27	15.971	2231	2235	2239	rVV4	6064	11131	1.64%	0.118%
28	16.012	2239	2242	2252	rVB3	10708	17166	2.53%	0.182%
29	16.159	2263	2267	2275	rVB2	11623	21200	3.13%	0.225%
30	16.699	2352	2359	2361	rBV3	9923	17704	2.61%	0.188%
31	16.717	2361	2362	2366	rVB2	11527	11350	1.67%	0.120%
32	16.770	2366	2371	2376	rBV3	8031	11785	1.74%	0.125%
33	16.946	2393	2401	2404	rBV3	5178	14308	2.11%	0.152%
34	17.075	2417	2423	2428	rVB2	17656	27622	4.07%	0.293%

LSC Area Percent Report

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Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

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-BG031616.M
Title : SVOA CALIBRATION

35	17.146	2428	2435	2437	rBV2	12654	19174	2.83%	0.203%
36	17.240	2446	2451	2458	rVB	28840	41845	6.17%	0.443%
37	17.422	2474	2482	2485	rBV	162835	255390	37.65%	2.705%
38	17.463	2485	2489	2494	rVV	413543	599293	88.35%	6.347%
39	17.516	2494	2498	2502	rVV2	138906	223208	32.91%	2.364%
40	17.551	2502	2504	2509	rVV	81706	98891	14.58%	1.047%
41	17.768	2537	2541	2544	rBV3	9215	12456	1.84%	0.132%
42	17.827	2545	2551	2556	rVV2	28599	51197	7.55%	0.542%
43	17.880	2556	2560	2565	rVB3	7036	11372	1.68%	0.120%
44	17.933	2565	2569	2572	rBV2	9245	13218	1.95%	0.140%
45	17.998	2575	2580	2588	rVB	18634	27515	4.06%	0.291%
46	18.139	2599	2604	2610	rVB2	12050	23016	3.39%	0.244%
47	18.291	2624	2630	2634	rBV	67547	105435	15.54%	1.117%
48	18.338	2634	2638	2645	rVB2	86040	137292	20.24%	1.454%
49	18.421	2645	2652	2657	rBV	29970	42126	6.21%	0.446%
50	18.485	2657	2663	2667	rBV2	80882	160505	23.66%	1.700%
51	18.520	2667	2669	2674	rVB	50615	55477	8.18%	0.588%
52	18.685	2693	2697	2702	rBV5	6026	12344	1.82%	0.131%
53	18.785	2709	2714	2718	rBV	43697	64756	9.55%	0.686%
54	18.832	2718	2722	2730	rVB2	42557	63848	9.41%	0.676%
55	19.026	2747	2755	2759	rBV3	17979	29428	4.34%	0.312%
56	19.073	2759	2763	2766	rBV	10910	13495	1.99%	0.143%
57	19.108	2766	2769	2774	rBV4	9767	13231	1.95%	0.140%
58	19.196	2778	2784	2788	rBV	36319	61647	9.09%	0.653%
59	19.261	2790	2795	2798	rBV4	9808	12704	1.87%	0.135%
60	19.343	2803	2809	2816	rBV3	22267	47283	6.97%	0.501%
61	19.466	2821	2830	2835	rBV	455545	649527	95.76%	6.879%
62	19.513	2835	2838	2842	rBV	11733	14351	2.12%	0.152%
63	19.555	2842	2845	2849	rVB3	18106	24747	3.65%	0.262%
64	19.660	2857	2863	2866	rBV3	12438	24142	3.56%	0.256%
65	19.707	2866	2871	2879	rVB3	16158	36970	5.45%	0.392%
66	19.795	2879	2886	2888	rBV3	239650	369017	54.40%	3.908%
67	19.831	2888	2892	2898	rVB	396424	571921	84.32%	6.057%
68	19.889	2898	2902	2907	rVB2	30085	43215	6.37%	0.458%
69	19.995	2914	2920	2925	rBV	24262	37870	5.58%	0.401%
70	20.066	2926	2932	2938	rVB	18791	30961	4.56%	0.328%
71	20.142	2939	2945	2952	rBV3	32967	78123	11.52%	0.827%

LSC Area Percent Report

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Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Title : SVOA CALIBRATION

72	20.207	2952	2956	2962	rBV3	9300	20443	3.01%	0.217%
73	20.277	2962	2968	2969	rVV3	23963	39971	5.89%	0.423%
74	20.313	2969	2974	2979	rVB	63084	109007	16.07%	1.154%
75	20.407	2986	2990	2994	rBV	40359	56438	8.32%	0.598%
76	20.471	2994	3001	3004	rVV2	41722	78046	11.51%	0.827%
77	20.506	3004	3007	3011	rVV3	13175	16838	2.48%	0.178%
78	20.548	3011	3014	3019	rVB6	10891	16414	2.42%	0.174%
79	20.612	3021	3025	3028	rBV	28494	41667	6.14%	0.441%
80	20.653	3028	3032	3040	rVB2	37269	61571	9.08%	0.652%
81	21.070	3099	3103	3111	rVB	41592	66422	9.79%	0.703%
82	21.253	3129	3134	3138	rBV3	31866	58502	8.63%	0.620%
83	21.294	3138	3141	3146	rVV	40999	63154	9.31%	0.669%
84	21.347	3146	3150	3155	rVV2	31073	59678	8.80%	0.632%
85	21.411	3156	3161	3168	rVB2	39440	77098	11.37%	0.817%
86	21.670	3197	3205	3211	rBV3	257885	678281	100.00%	7.184%
87	21.723	3211	3214	3221	rVB	174428	264128	38.94%	2.797%
88	21.875	3235	3240	3246	rBV	29969	51548	7.60%	0.546%
89	22.087	3272	3276	3281	rVB3	20423	36676	5.41%	0.388%
90	22.140	3283	3285	3291	rVB6	10792	16480	2.43%	0.175%
91	22.404	3326	3330	3335	rVB2	27808	41385	6.10%	0.438%
92	22.680	3373	3377	3381	rBV2	15153	28675	4.23%	0.304%
93	23.885	3572	3582	3598	rVB2	105409	489186	72.12%	5.181%
94	24.126	3619	3623	3633	rVB2	20959	51080	7.53%	0.541%
95	24.331	3655	3658	3660	rBV4	8546	12341	1.82%	0.131%
96	24.602	3697	3704	3710	rBV	50951	138970	20.49%	1.472%
97	24.684	3711	3718	3723	rVV2	83936	229580	33.85%	2.431%
98	24.749	3723	3729	3738	rVB	97565	252107	37.17%	2.670%
99	24.901	3746	3755	3763	rBV2	96197	279504	41.21%	2.960%
100	28.579	4373	4381	4400	rVB4	36935	163529	24.11%	1.732%

Sum of corrected areas: 9442042

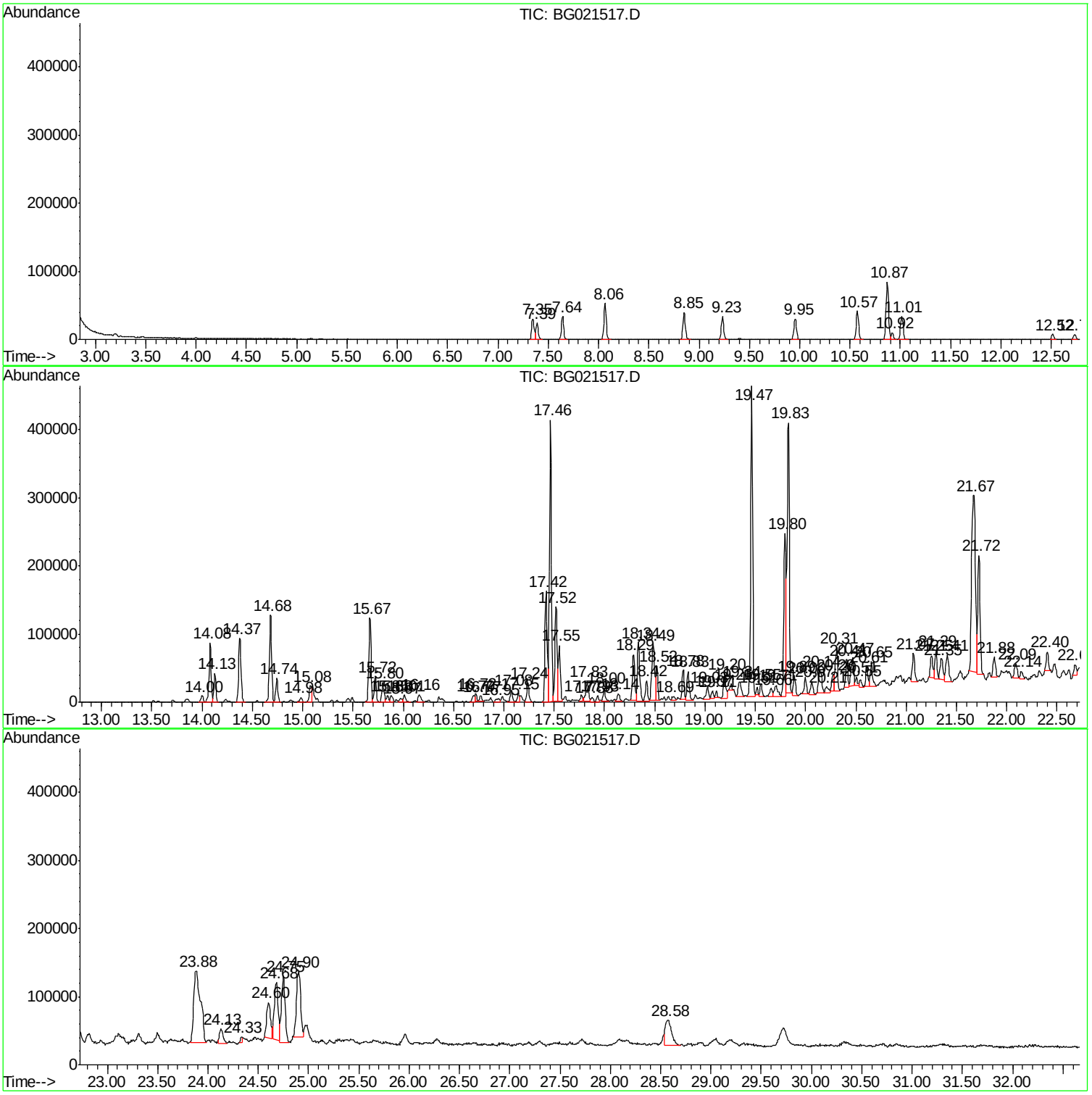
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

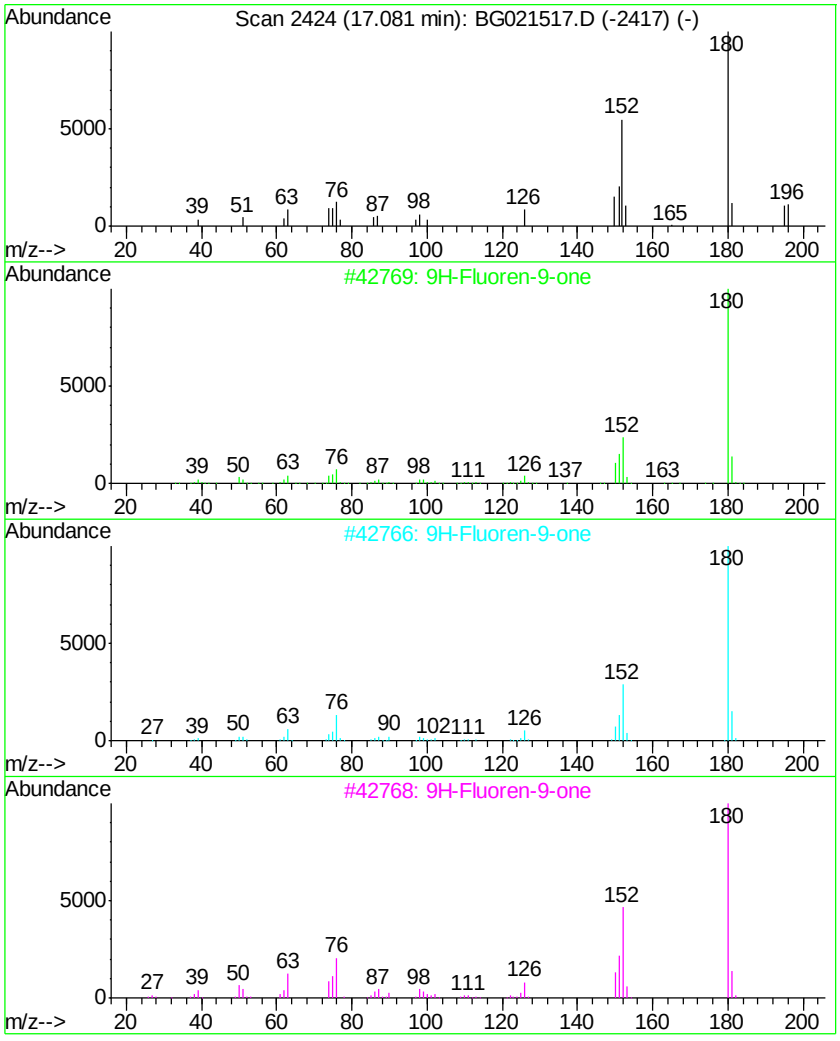
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

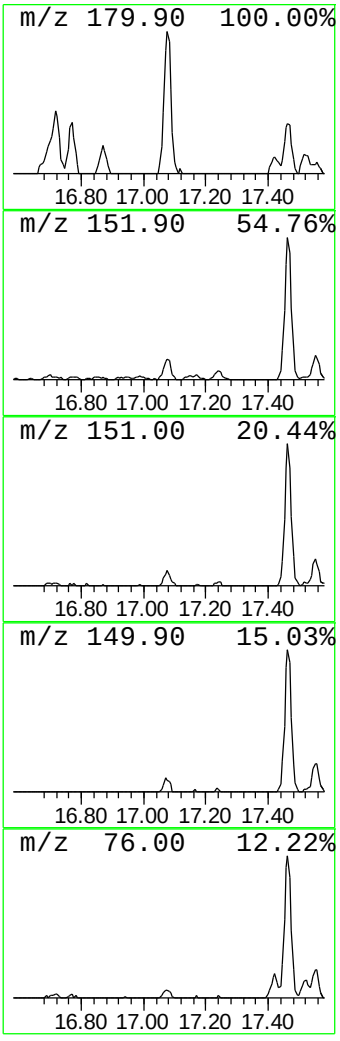
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	2.16 ng/ul	27622	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

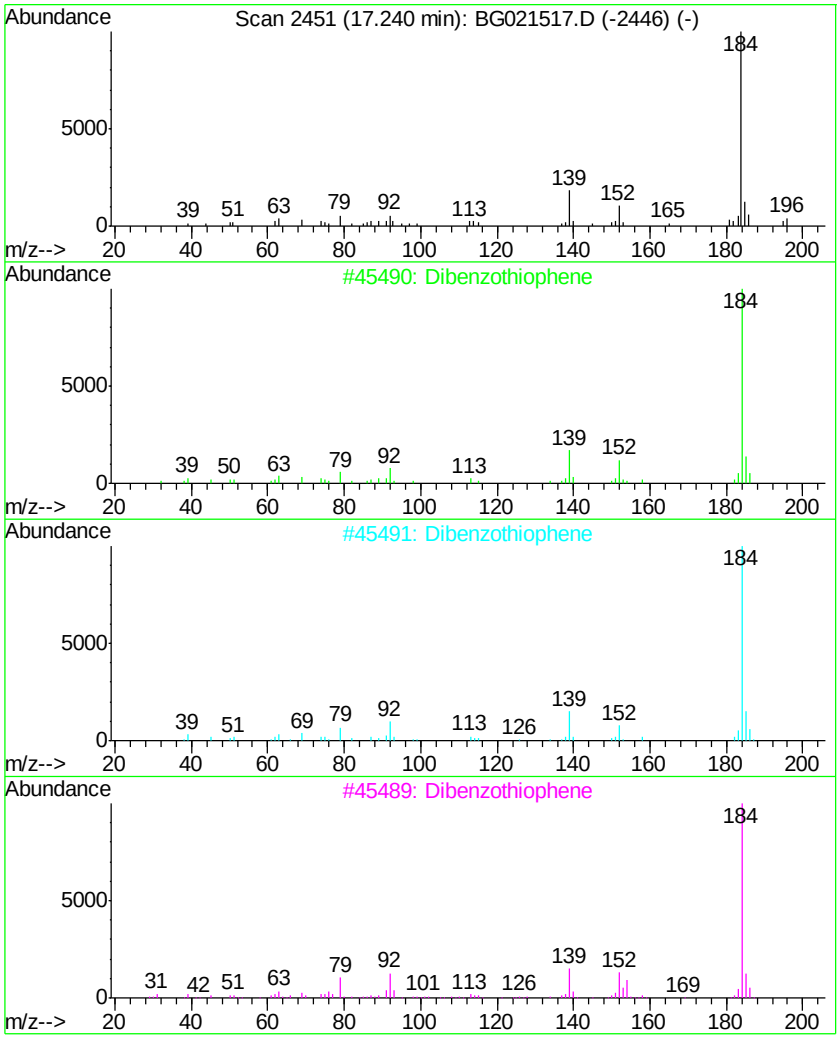
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

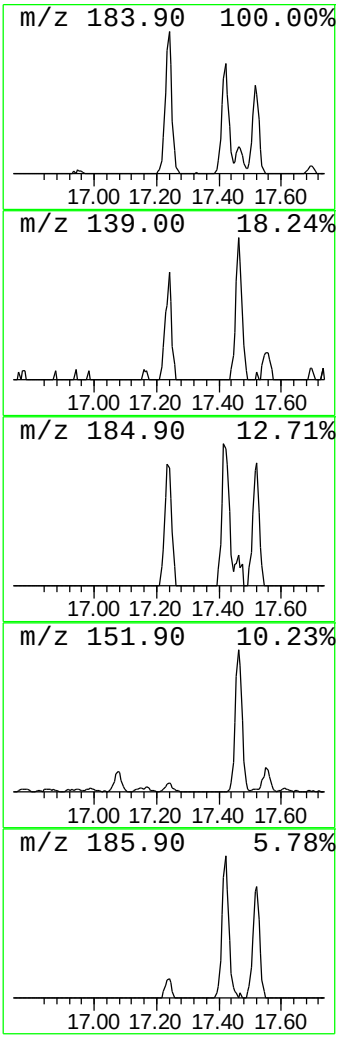
****

Peak Number 2 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	3.28 ng/ul	41845	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	90
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

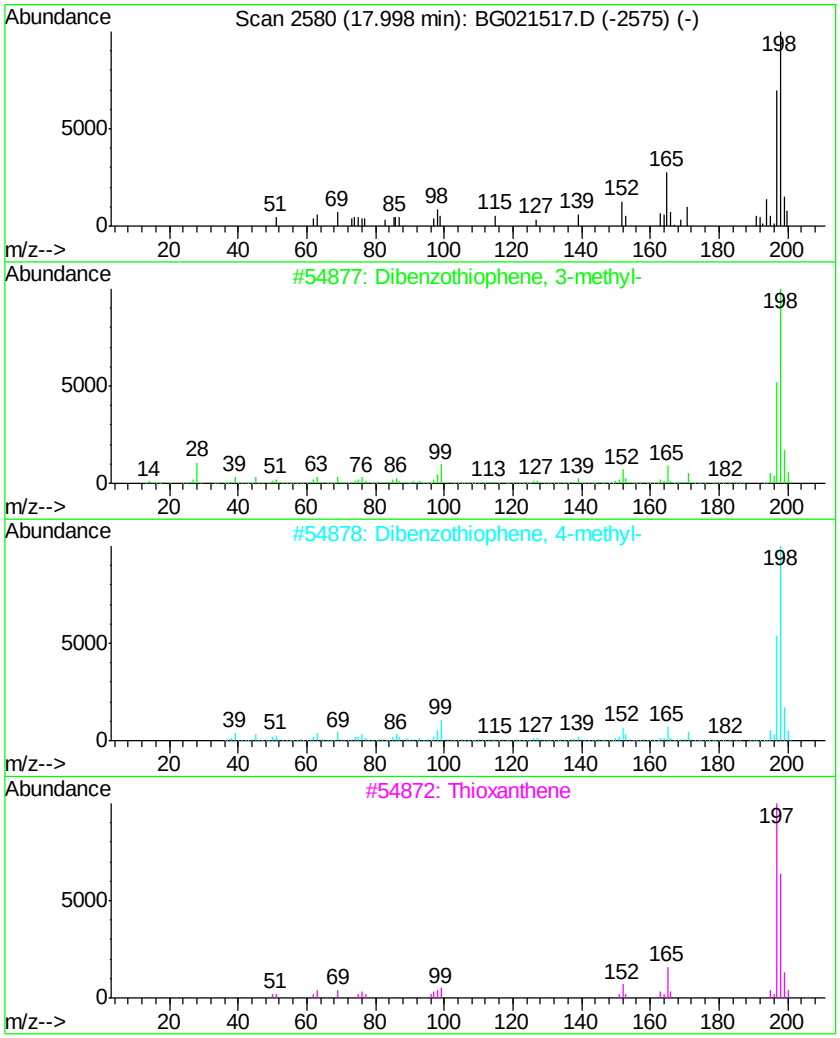
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

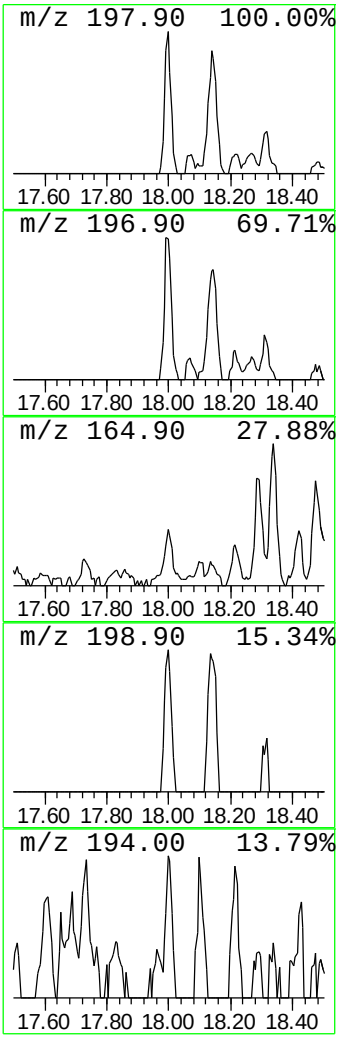
****

Peak Number 3 Dibenzothiophene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	2.15 ng/ul	27515	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	72
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
3	Thioxanthene	198	C13H10S	000261-31-4	60
4	Thioxanthene	198	C13H10S	000261-31-4	58
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

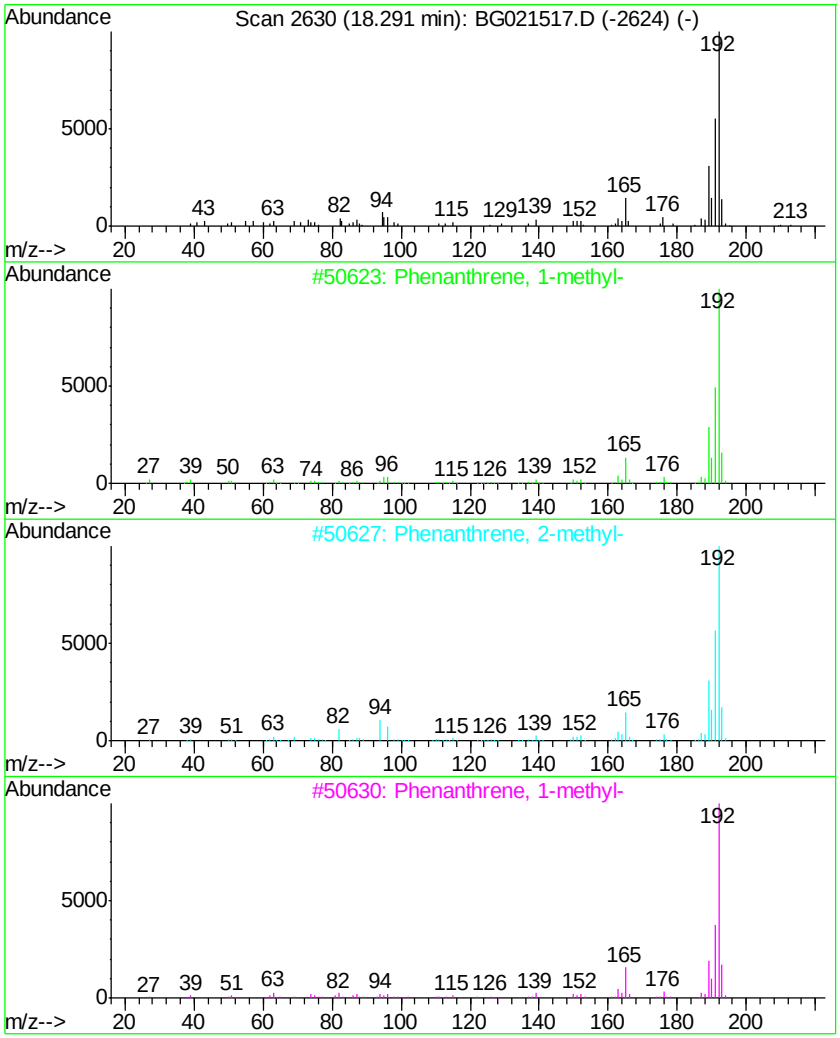
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

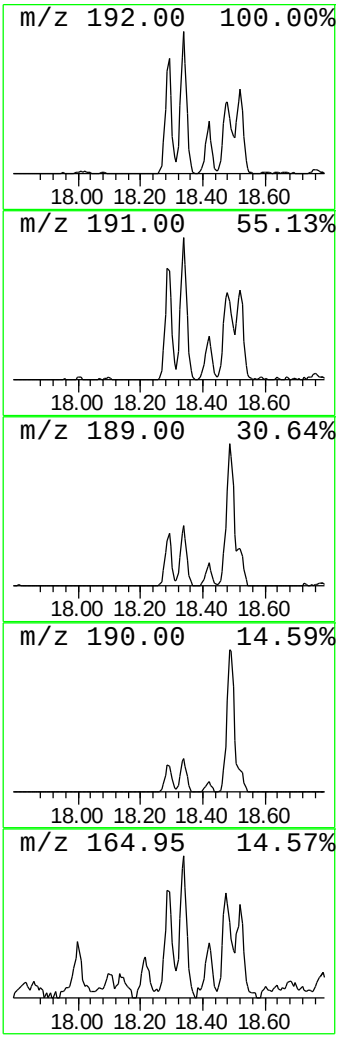
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	8.26 ng/ul	105435	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

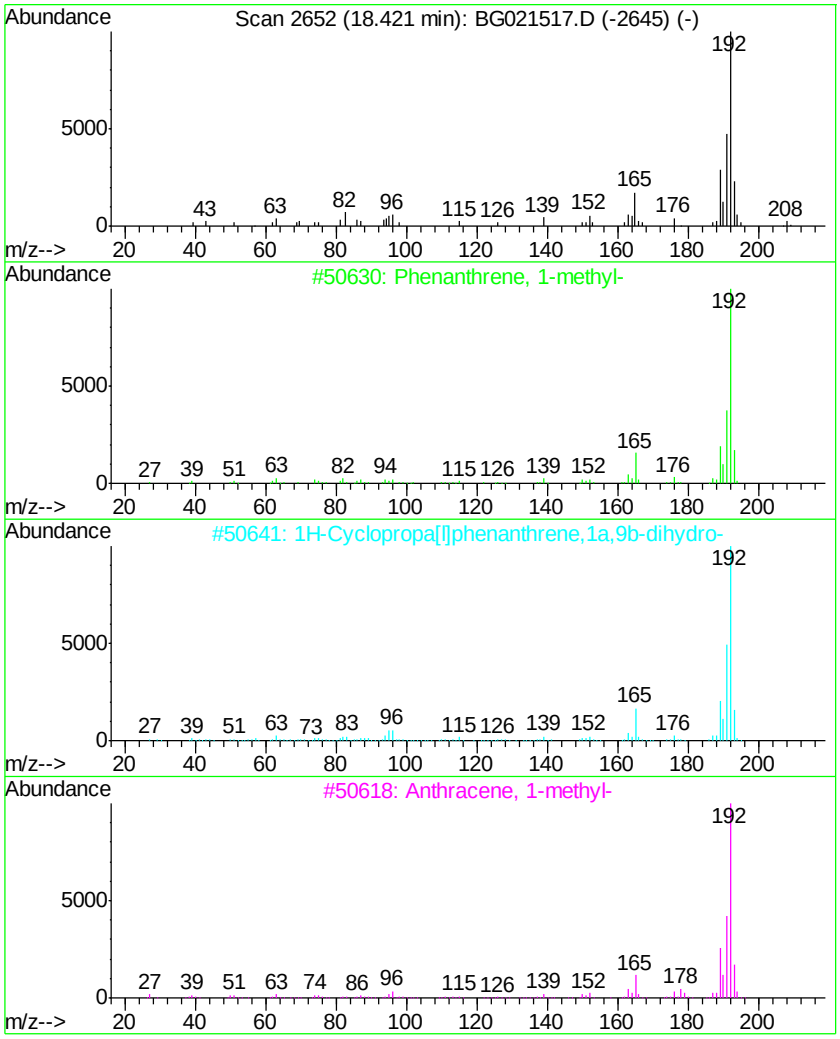
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

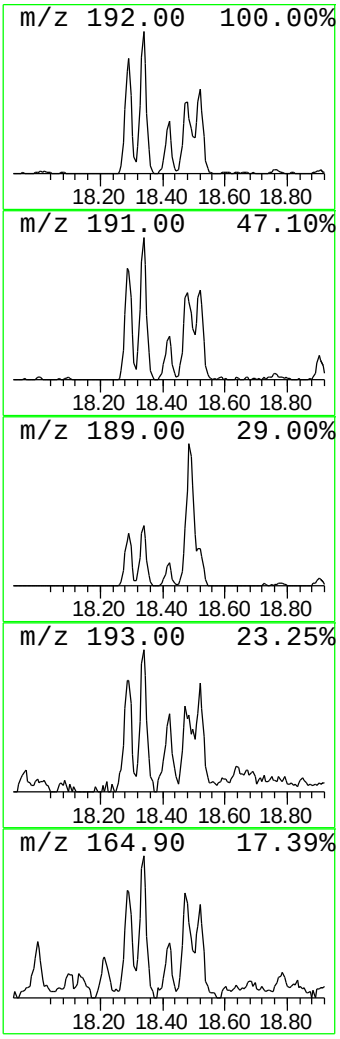
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.30 ng/ul	42126	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

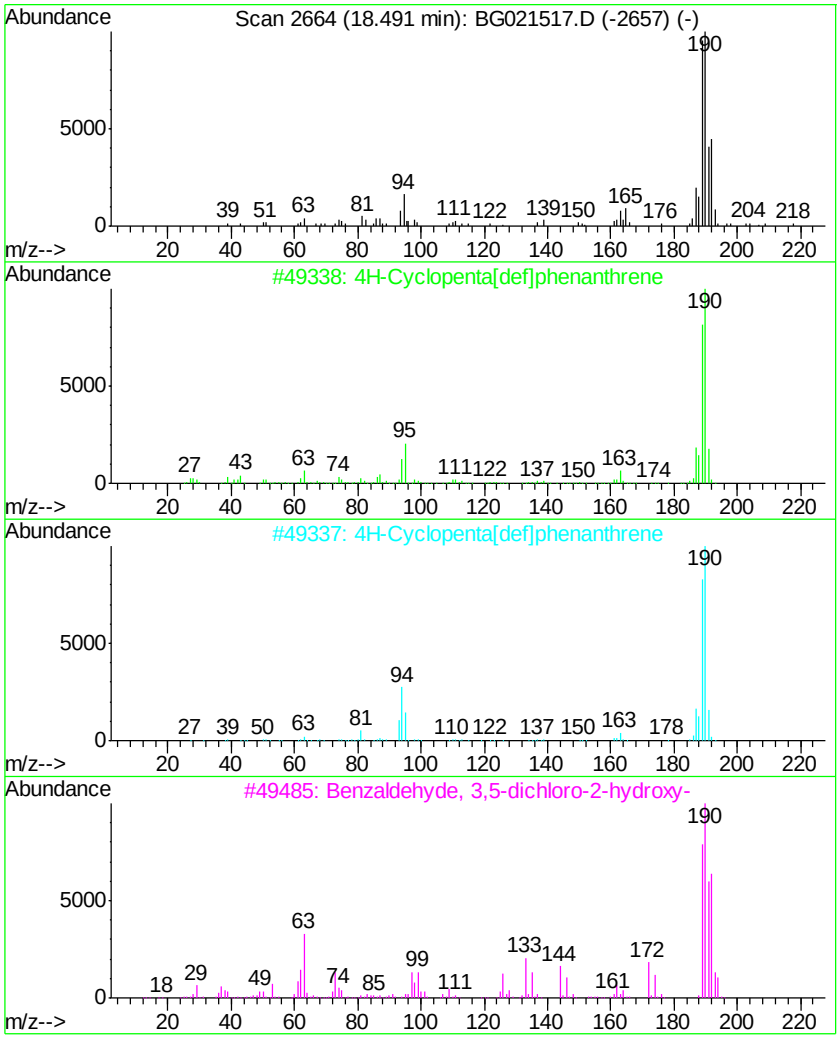
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

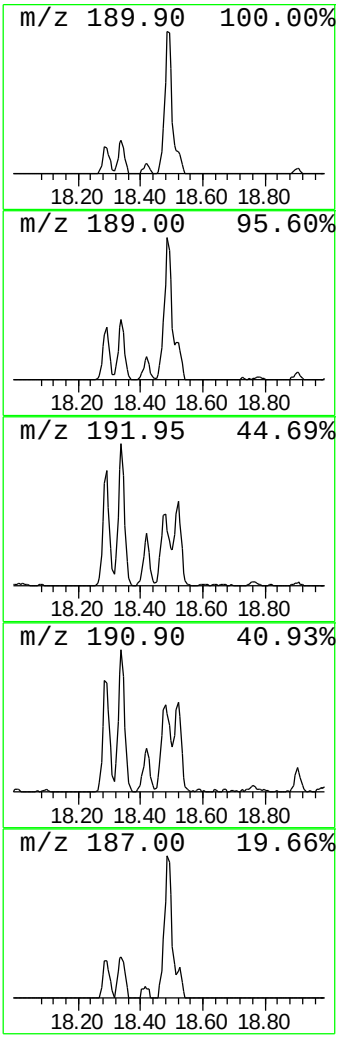
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	12.57 ng/ul	160505	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43





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Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

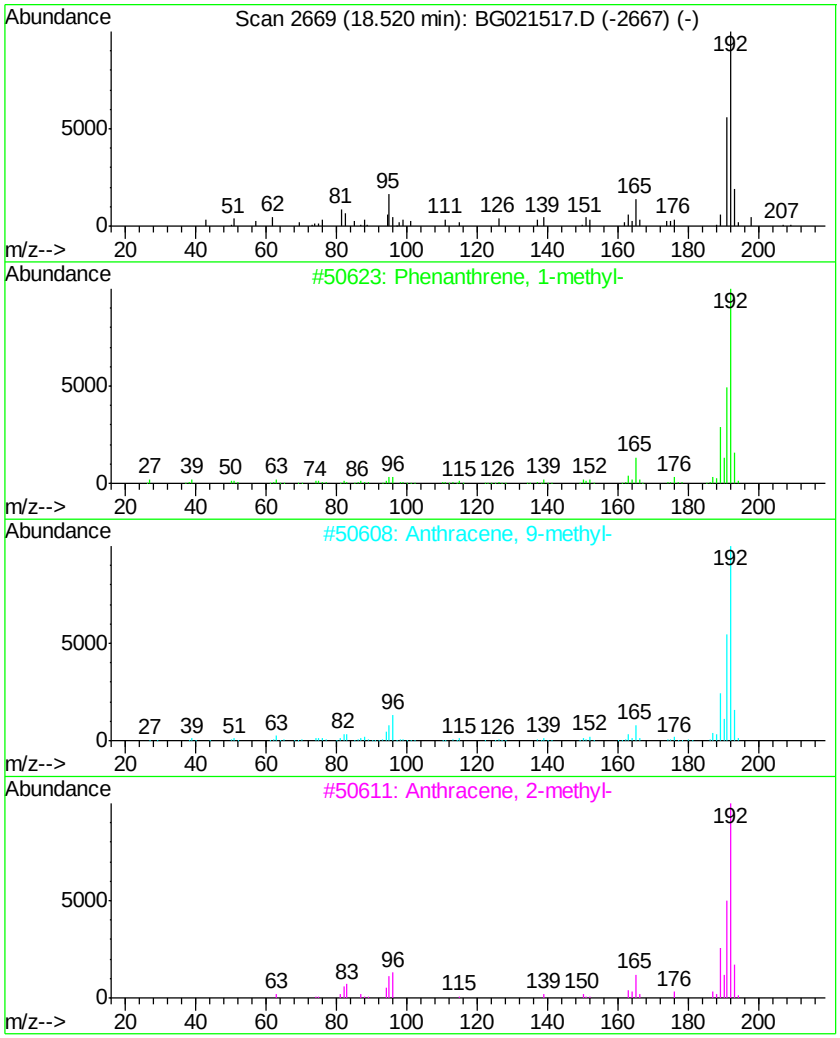
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

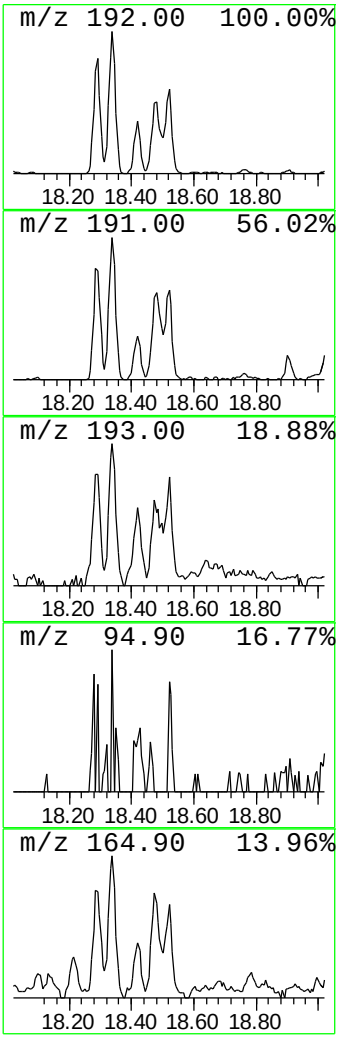
****

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	4.34 ng/ul	55477	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Library Search Compound Report

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Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

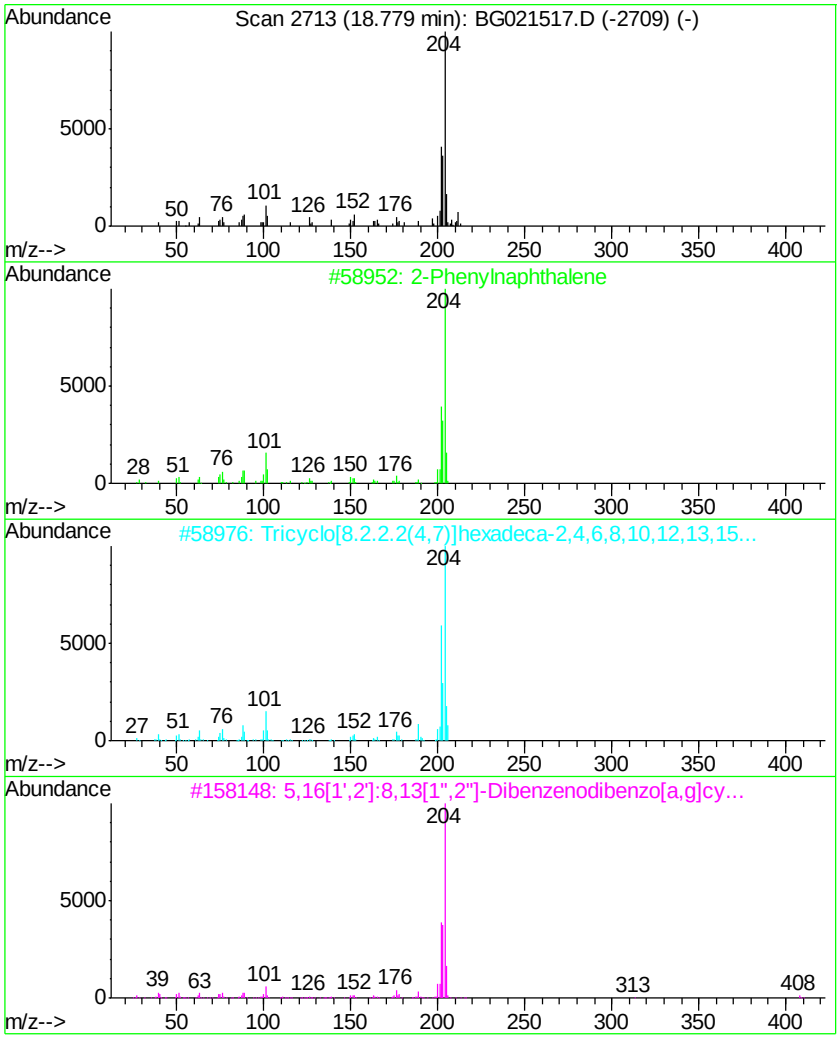
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

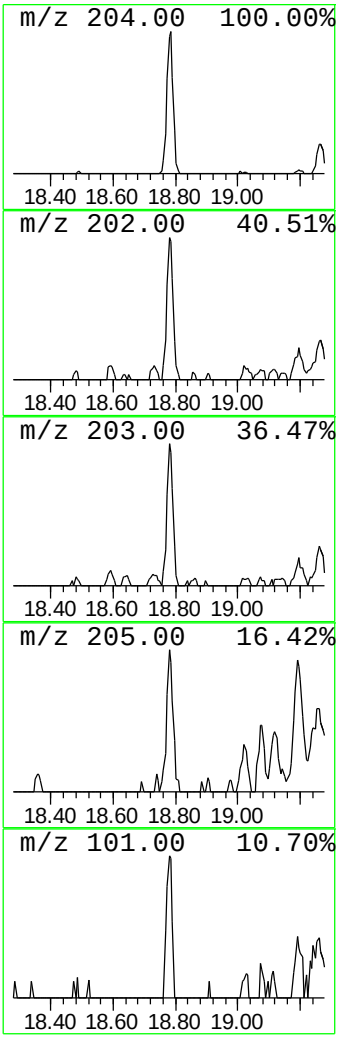
****

Peak Number 8 2-Phenylnaphthalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	5.07 ng/ul	64756	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

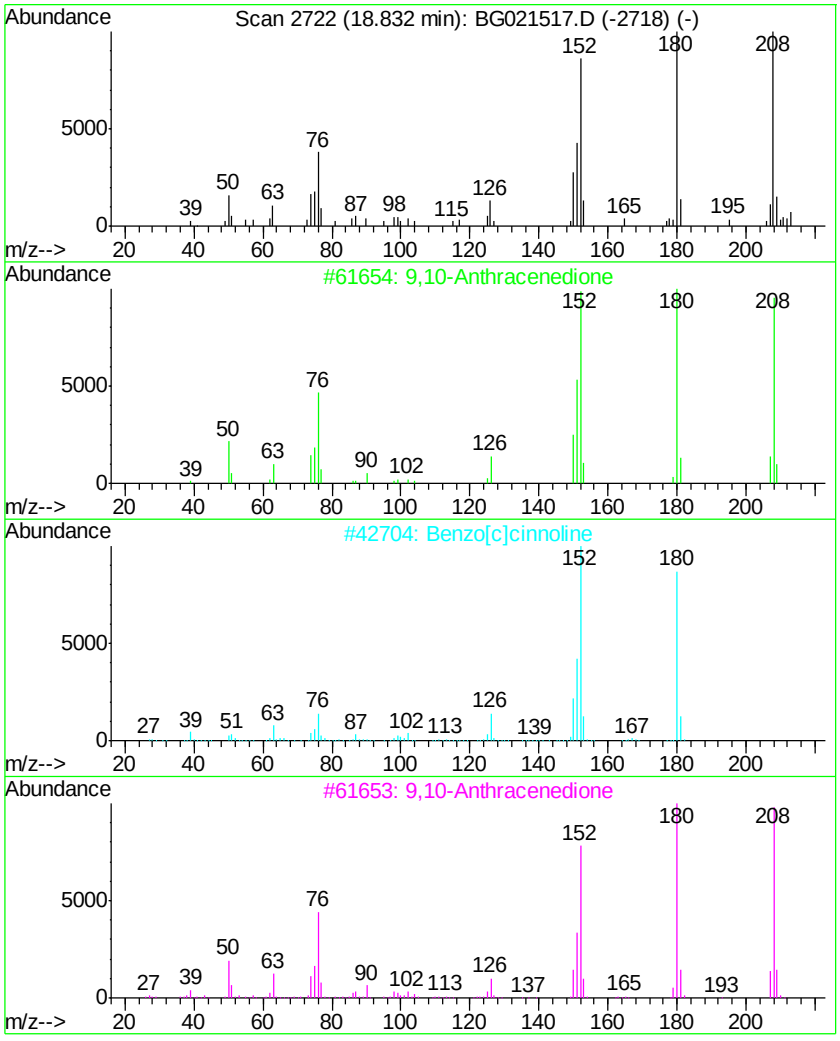
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

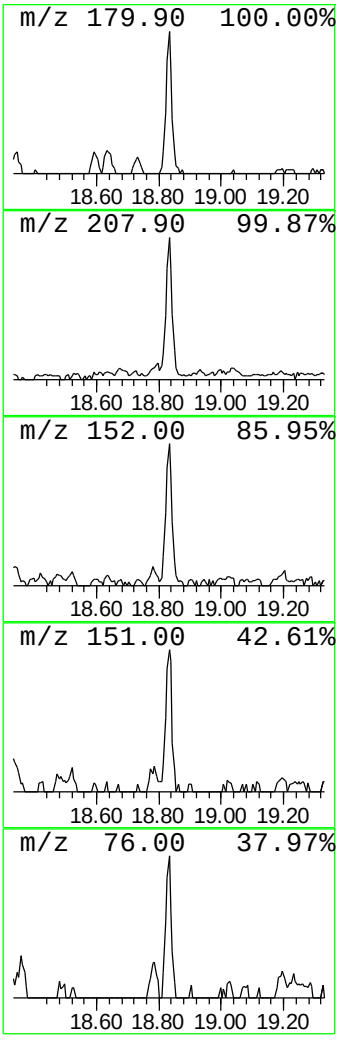
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	5.00 ng/ul	63848	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





Library Search Compound Report

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Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

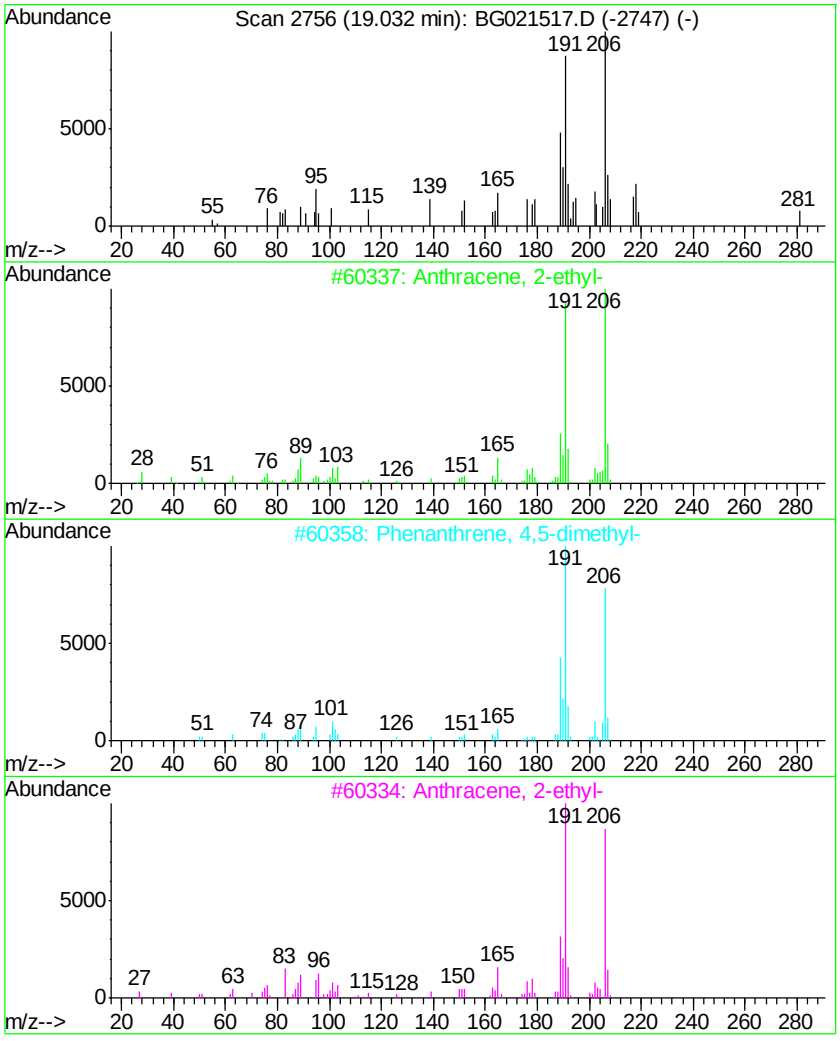
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

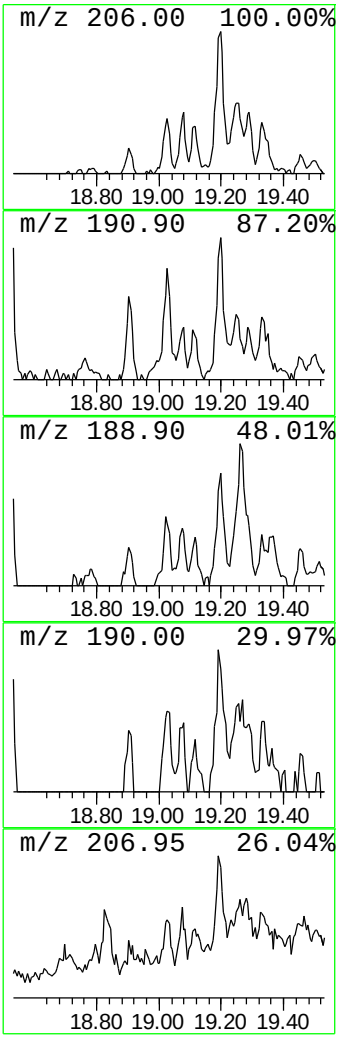
****

Peak Number 10 Anthracene, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	2.30 ng/ul	29428	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





Library Search Compound Report

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Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

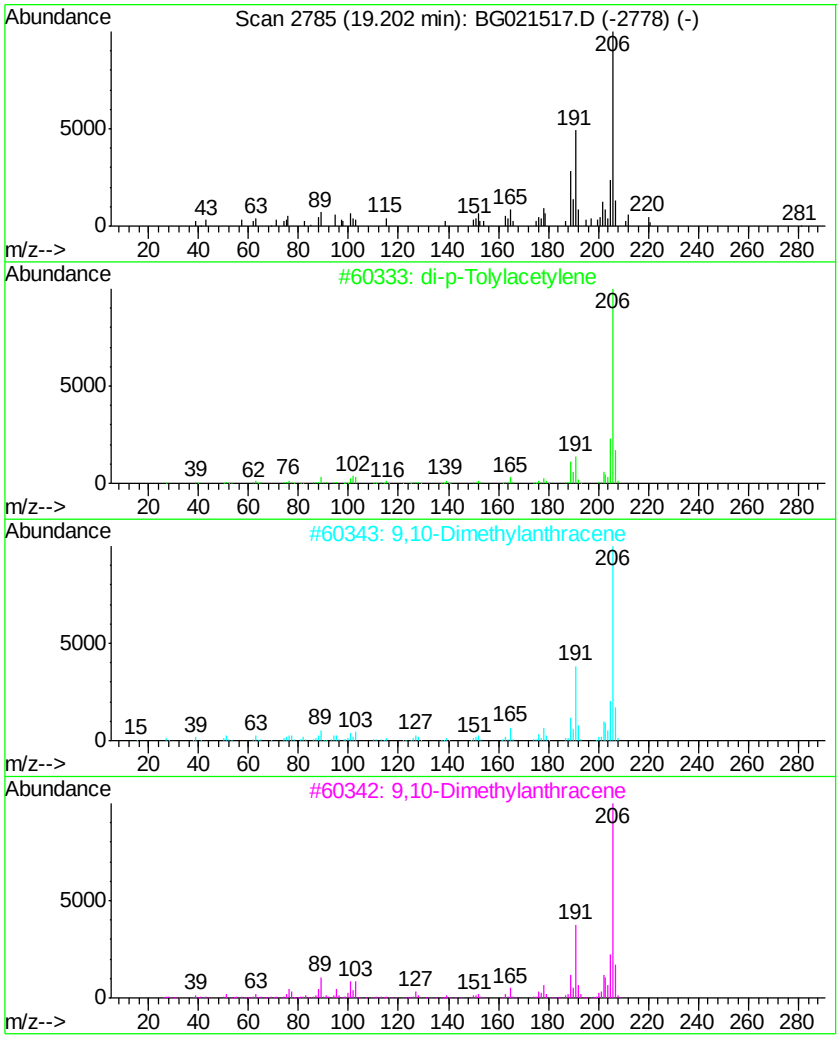
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

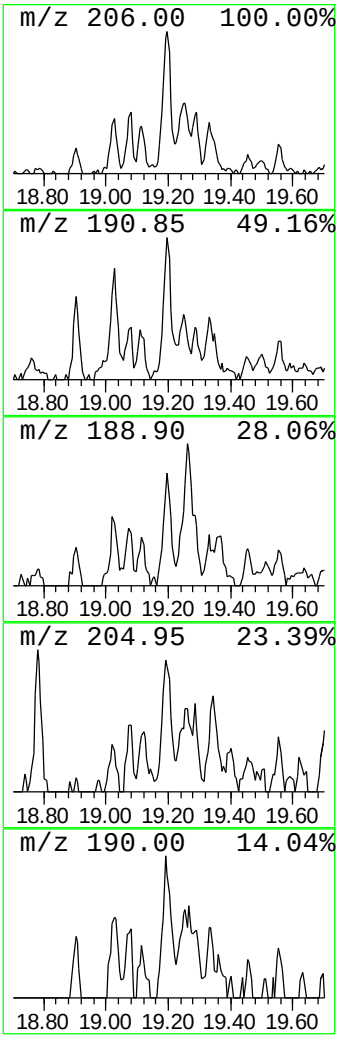
****

Peak Number 11 di-p-Tolylacetylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	4.83 ng/ul	61647	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	89
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





Library Search Compound Report

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Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

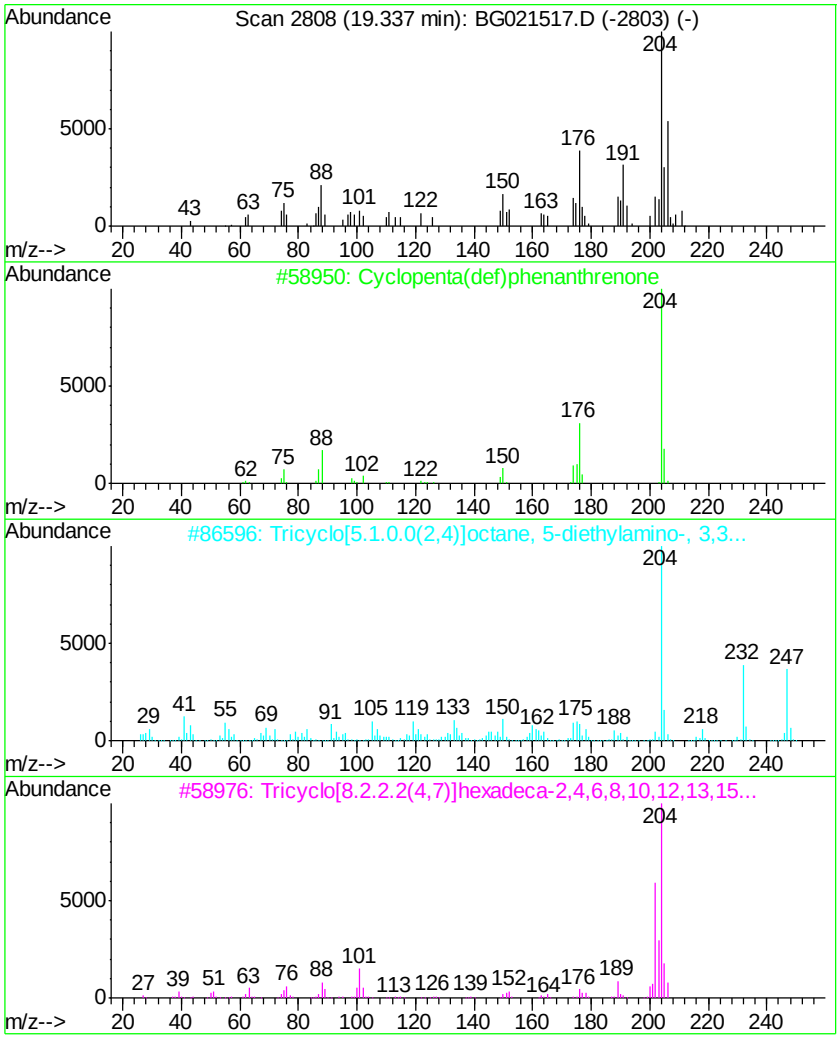
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

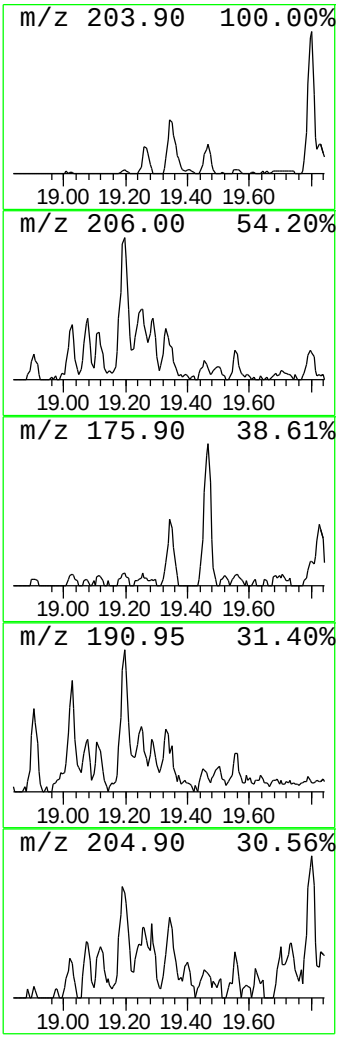
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	3.70 ng/ul	47283	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

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Quant Title : SVOA CALIBRATION

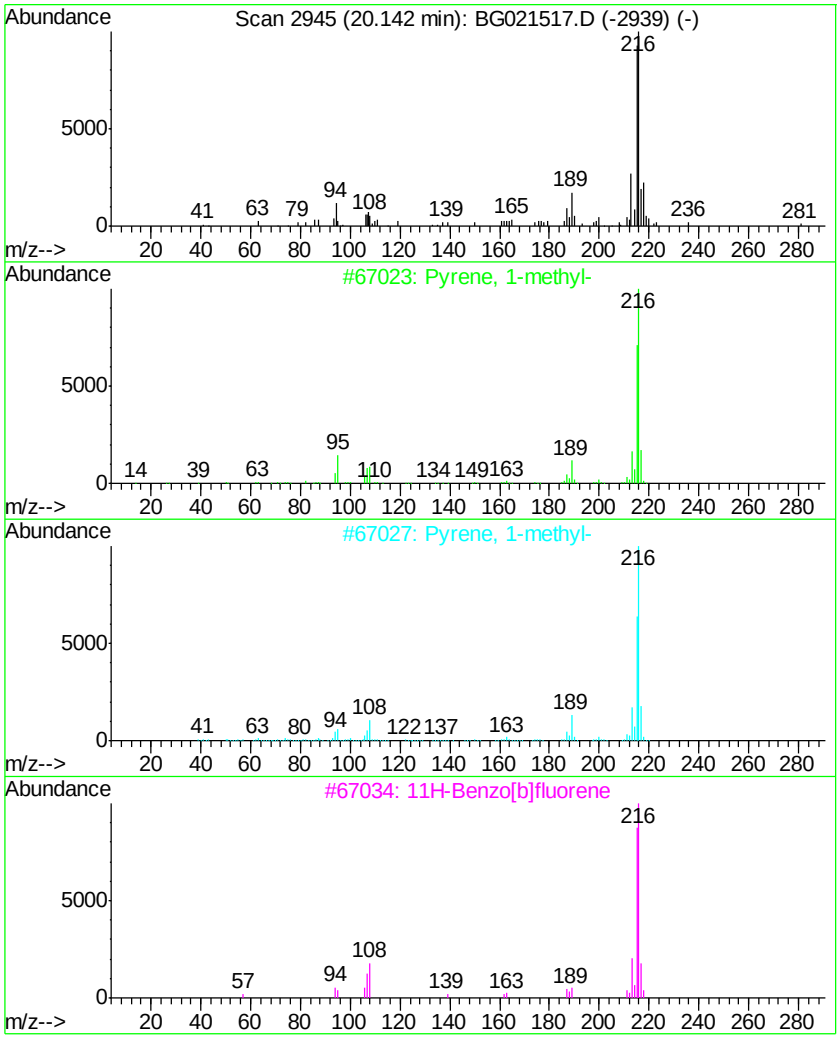
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

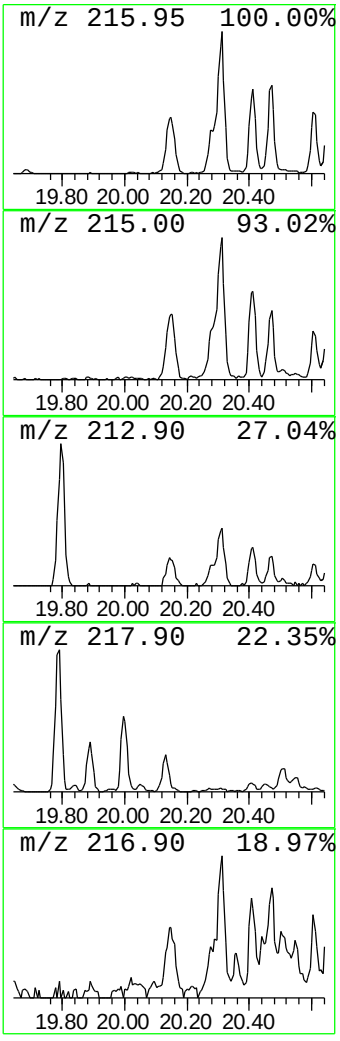
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	2.30 ng/ul	78123	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

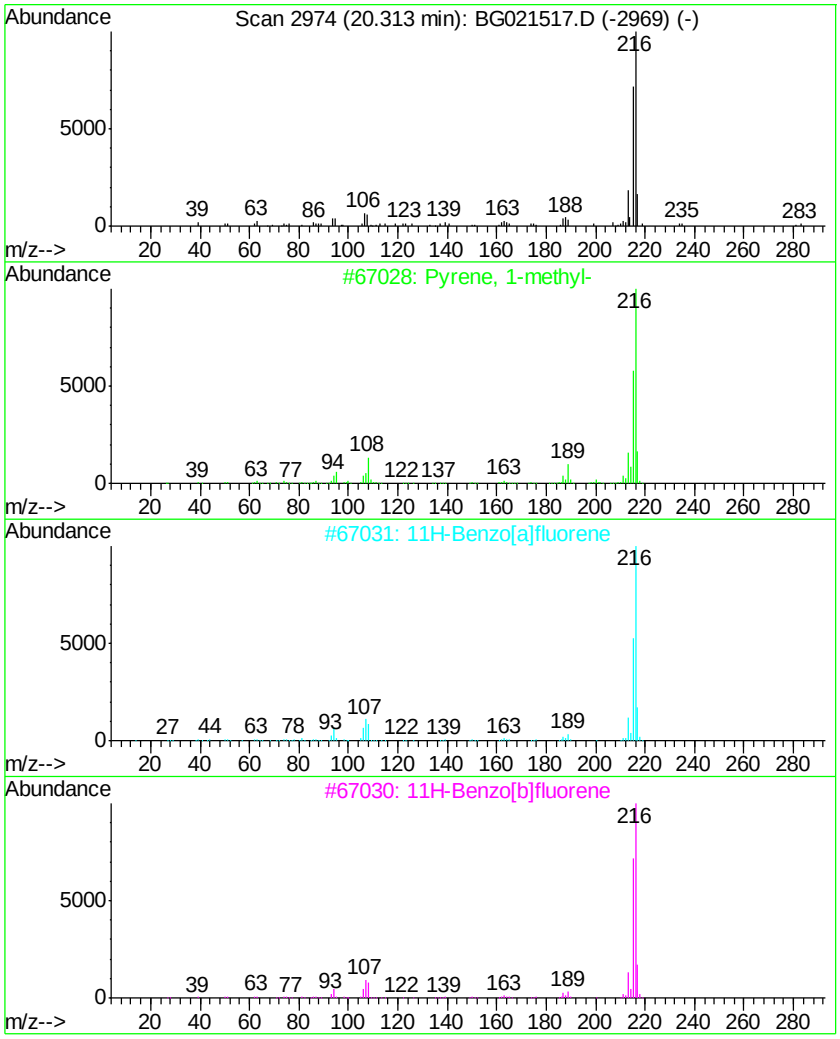
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

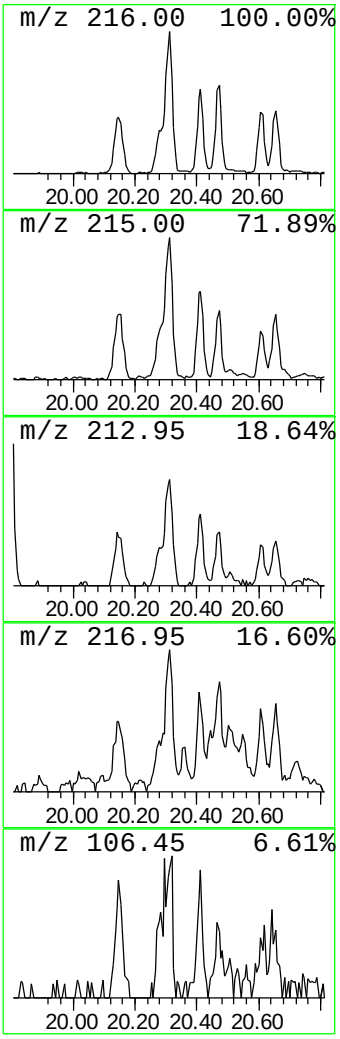
****

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	3.21 ng/ul	109007	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

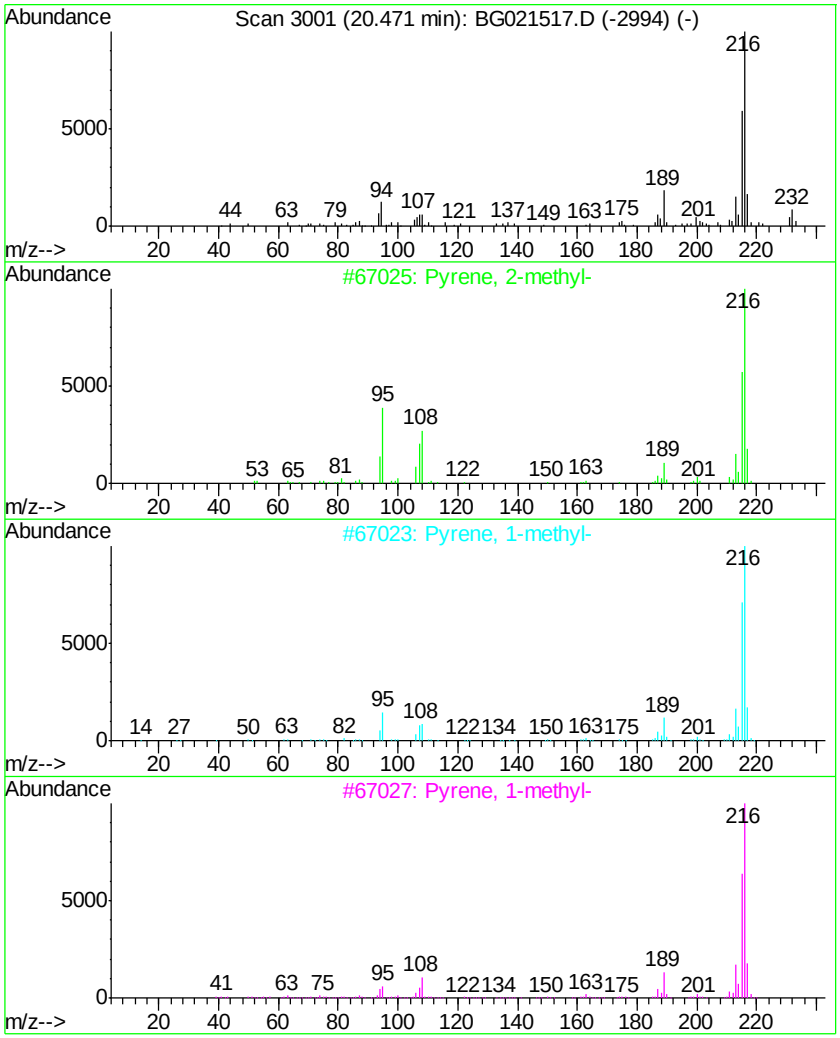
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

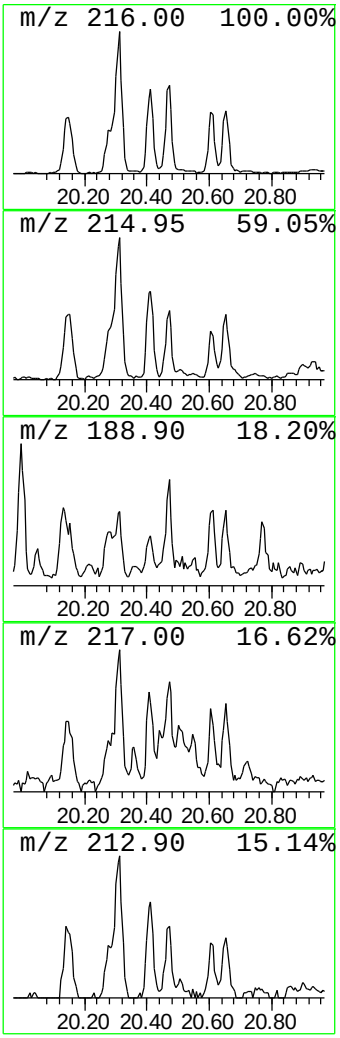
****

Peak Number 15 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.47	2.30 ng/ul	78046	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





Library Search Compound Report

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Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
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Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION

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

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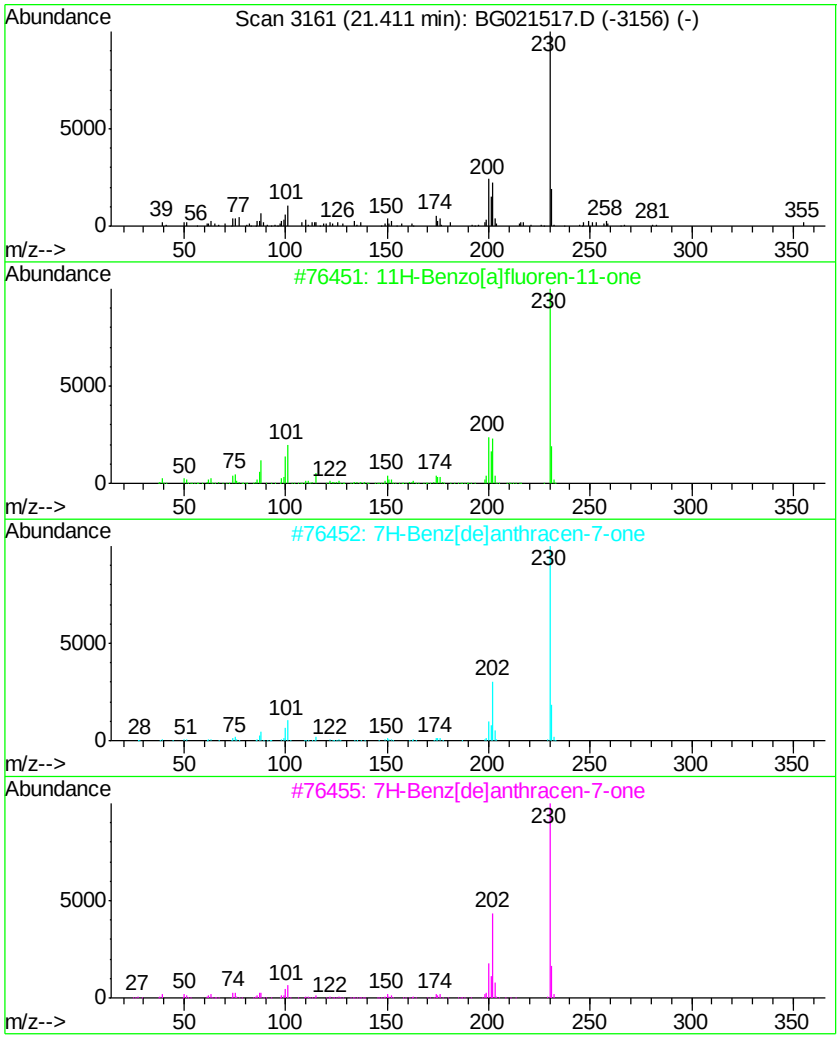
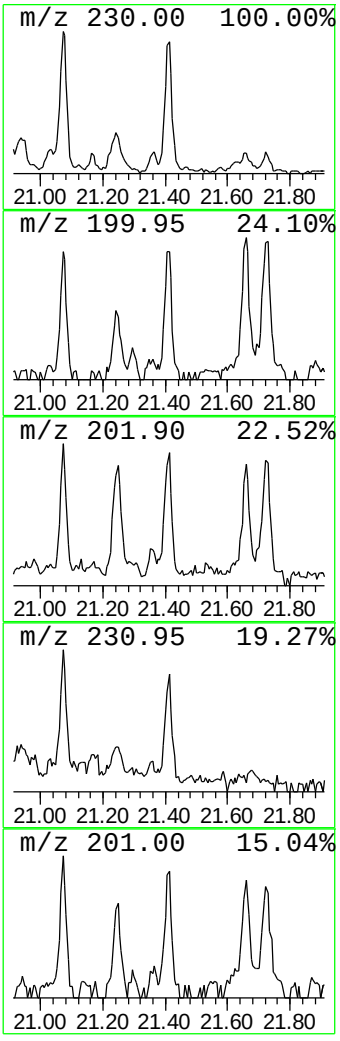
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.27 ng/ul	77098	Chrysene-d12	21.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032516\
Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4T51

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.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
9H-Fluoren-9-one	17.08	2.2	ng/ul	27622	4	17.42	255390	20.0
Dibenzothiophene	17.24	3.3	ng/ul	41845	4	17.42	255390	20.0
Dibenzothiophene,...	18.00	2.1	ng/ul	27515	4	17.42	255390	20.0
Phenanthrene, 1-m...	18.29	8.3	ng/ul	105435	4	17.42	255390	20.0
1H-Cyclopropa[l]p...	18.42	3.3	ng/ul	42126	4	17.42	255390	20.0
4H-Cyclopenta[def...	18.49	12.6	ng/ul	160505	4	17.42	255390	20.0
Anthracene, 9-met...	18.52	4.3	ng/ul	55477	4	17.42	255390	20.0
2-Phenylnaphthalene	18.78	5.1	ng/ul	64756	4	17.42	255390	20.0
9,10-Anthracenedione	18.83	5.0	ng/ul	63848	4	17.42	255390	20.0
Anthracene, 2-ethyl-	19.03	2.3	ng/ul	29428	4	17.42	255390	20.0
di-p-Tolylacetylene	19.20	4.8	ng/ul	61647	4	17.42	255390	20.0
Cyclopenta(def)ph...	19.34	3.7	ng/ul	47283	4	17.42	255390	20.0
Pyrene, 1-methyl-	20.14	2.3	ng/ul	78123	5	21.68	678281	20.0
11H-Benzo[a]fluorene	20.31	3.2	ng/ul	109007	5	21.68	678281	20.0
Pyrene, 2-methyl-	20.47	2.3	ng/ul	78046	5	21.68	678281	20.0
11H-Benzo[a]fluor...	21.41	2.3	ng/ul	77098	5	21.68	678281	20.0