LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

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-BG102815.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	3.122	43	48	58	rBV	43319	79321	3.91%	0.339%
2	3.204	58	62	73	rVB	127140	185689	9.16%	0.794%
3	3.486	107	110	114	rVB2	6390	8314	0.41%	0.036%
4	4.274	239	244	251	rVB	19057	29691	1.46%	0.127%
5	5.225	401	406	410	rBV5	4733	7394	0.36%	0.032%
6	7.323	756	763	774	rVB	171350	314148	15.49%	1.344%
7	7.493	784	792	801	rVB	123887	200993	9.91%	0.860%
8	7.705	820	828	836	rBV2	161295	274698	13.54%	1.175%
9	8.175	899	908	917	rBV	122490	214019	10.55%	0.916%
10	8.557	969	973	978	rVB4	3962	5936	0.29%	0.025%
11	8.886	1020	1029	1037	rBV	221091	390582	19.26%	1.671%
12	9.350	1100	1108	1117	rBV2	178484	309907	15.28%	1.326%
13	9.444	1120	1124	1127	rBV2	3028	5654	0.28%	0.024%
14	10.079	1225	1232	1241	rVB	159912	284844	14.05%	1.219%
15	10.619	1317	1324	1332	rBV2	242712	417543	20.59%	1.787%
16	10.760	1343	1348	1353	rBV2	3289	5160	0.25%	0.022%
17	11.007	1382	1390	1396	rBV	175696	315257	15.54%	1.349%
18	11.060	1396	1399	1403	rVB2	9184	13693	0.68%	0.059%
19	11.136	1403	1412	1421	rBV	209864	382022	18.84%	1.635%
20	12.018	1558	1562	1568	rVB5	3839	7705	0.38%	0.033%
21	12.564	1647	1655	1656	rBV4	2624	5524	0.27%	0.024%
22	12.652	1665	1670	1675	rBV2	15183	23077	1.14%	0.099%
23	12.869	1701	1707	1713	rVB	25280	42312	2.09%	0.181%
24	13.169	1752	1758	1763	rBV3	7184	9307	0.46%	0.040%
25	13.410	1794	1799	1803	rVB3	11899	16696	0.82%	0.071%
26	13.839	1867	1872	1874	rBV4	4065	5935	0.29%	0.025%
27	13.974	1891	1895	1896	rBV4	8604	10924	0.54%	0.047%
28	14.133	1912	1922	1927	rBV2	22595	41202	2.03%	0.176%
29	14.203	1927	1934	1938	rVV	508317	731868	36.09%	3.131%
30	14.250	1938	1942	1950	rVB	264172	378813	18.68%	1.621%
31	14.327	1950	1955	1958	rBV3	2276	4474	0.22%	0.019%
32	14.368	1958	1962	1965	rBV2	13174	18525	0.91%	0.079%
33	14.397	1965	1967	1969	rVB3	7521	6459	0.32%	0.028%
34	14.503	1979	1985	1997	rVB	501403	777790	38.35%	3.328%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

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-BG102815.M
Title : SVOA CALIBRATION

35	14.679	2012	2015	2021	rVB4	4128	5993	0.30%	0.026%
36	14.808	2023	2037	2042	rBV2	346778	555001	27.37%	2.375%
37	14.873	2042	2048	2055	rVB	249210	385166	18.99%	1.648%
38	14.991	2061	2068	2081	rBV	280977	463940	22.88%	1.985%
39	15.114	2083	2089	2096	rVV4	16156	24940	1.23%	0.107%
40	15.202	2098	2104	2112	rVB	124685	182888	9.02%	0.783%
41	15.273	2112	2116	2121	rBV6	10771	18373	0.91%	0.079%
42	15.414	2135	2140	2145	rVB5	14090	22529	1.11%	0.096%
43	15.466	2145	2149	2156	rBV3	9985	15456	0.76%	0.066%
44	15.578	2161	2168	2172	rBV4	13227	27463	1.35%	0.118%
45	15.619	2172	2175	2180	rVB5	18381	25536	1.26%	0.109%
46	15.795	2196	2205	2210	rBV	715000	1067192	52.62%	4.566%
47	15.848	2210	2214	2219	rVV	244813	351418	17.33%	1.504%
48	15.901	2219	2223	2228	rVV	270818	381249	18.80%	1.631%
49	15.972	2232	2235	2237	rBV4	8112	8358	0.41%	0.036%
50	16.013	2238	2242	2247	rVV5	31373	50626	2.50%	0.217%
51	16.101	2254	2257	2260	rBV3	14571	18737	0.92%	0.080%
52	16.142	2260	2264	2270	rVB	56491	82571	4.07%	0.353%
53	16.283	2279	2288	2297	rBV2	61141	137576	6.78%	0.589%
54	16.360	2297	2301	2302	rBV4	4748	7076	0.35%	0.030%
55	16.383	2302	2305	2310	rVB2	14275	17682	0.87%	0.076%
56	16.489	2319	2323	2333	rVB6	40410	96058	4.74%	0.411%
57	16.642	2345	2349	2355	rBV4	27018	43980	2.17%	0.188%
58	16.841	2374	2383	2389	rBV4	43729	109242	5.39%	0.467%
59	16.894	2389	2392	2398	rVB3	19022	31203	1.54%	0.134%
60	17.000	2405	2410	2414	rVB4	21008	38698	1.91%	0.166%
61	17.070	2414	2422	2426	rBV7	26776	61638	3.04%	0.264%
62	17.270	2452	2456	2463	rBV6	39603	85202	4.20%	0.365%
63	17.329	2463	2466	2469	rVV3	23719	34925	1.72%	0.149%
64	17.364	2469	2472	2479	rVB2	58667	84925	4.19%	0.363%
65	17.546	2497	2503	2507	rBV	512956	822718	40.57%	3.520%
66	17.593	2507	2511	2515	rVV	684054	987197	48.68%	4.224%
67	17.646	2515	2520	2524	rVV	829026	1298326	64.02%	5.555%
68	17.681	2524	2526	2531	rVB	242434	287127	14.16%	1.229%
69	17.875	2557	2559	2561	rBV3	8605	8193	0.40%	0.035%
70	17.946	2567	2571	2578	rBV4	26503	43218	2.13%	0.185%
71	18.011	2580	2582	2586	rVB4	14323	15676	0.77%	0.067%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

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-BG102815.M
Title : SVOA CALIBRATION

72	18.063	2587	2591	2593	rBV	19233	20170	0.99%	0.086%
73	18.416	2646	2651	2655	rBV	81503	125946	6.21%	0.539%
74	18.469	2655	2660	2666	rVB	104021	154387	7.61%	0.661%
75	18.551	2669	2674	2679	rVB	59589	98053	4.83%	0.420%
76	18.622	2679	2686	2689	rBV	182849	311006	15.34%	1.331%
77	18.909	2730	2735	2741	rBV	83787	115468	5.69%	0.494%
78	19.150	2773	2776	2781	rVB5	22481	30387	1.50%	0.130%
79	19.238	2789	2791	2797	rVB3	15474	17487	0.86%	0.075%
80	19.321	2801	2805	2810	rVB3	38683	58356	2.88%	0.250%
81	19.456	2825	2828	2832	rBV6	16853	26185	1.29%	0.112%
82	19.591	2845	2851	2856	rVB	852406	1185610	58.46%	5.073%
83	19.644	2856	2860	2863	rBV4	15638	20226	1.00%	0.087%
84	19.738	2872	2876	2879	rBV2	50037	63328	3.12%	0.271%
85	19.920	2901	2907	2911	rBV	1181931	2028078	100.00%	8.677%
86	20.014	2920	2923	2929	rVB	52699	71563	3.53%	0.306%
87	20.120	2938	2941	2947	rVB	57288	83860	4.13%	0.359%
88	20.261	2960	2965	2966	rBV3	53393	70941	3.50%	0.304%
89	20.325	2973	2976	2980	rBV3	14692	23276	1.15%	0.100%
90	20.437	2991	2995	3000	rVB	170591	243979	12.03%	1.044%
91	20.531	3007	3011	3016	rBV	166767	234795	11.58%	1.005%
92	20.731	3042	3045	3049	rBV	32980	45989	2.27%	0.197%
93	21.154	3114	3117	3122	rBV4	26708	46182	2.28%	0.198%
94	21.436	3162	3165	3170	rVB2	55851	79066	3.90%	0.338%
95	21.694	3205	3209	3212	rVB3	45642	61916	3.05%	0.265%
96	21.824	3222	3231	3236	rBV2	731191	1628623	80.30%	6.968%
97	21.877	3236	3240	3247	rVB	194993	331379	16.34%	1.418%
98	24.109	3612	3620	3626	rBV	100256	304878	15.03%	1.304%
99	24.944	3753	3762	3770	rBV2	548991	1498797	73.90%	6.413%
100	25.173	3792	3801	3811	rBV	345014	968550	47.76%	4.144%

Sum of corrected areas: 23372053

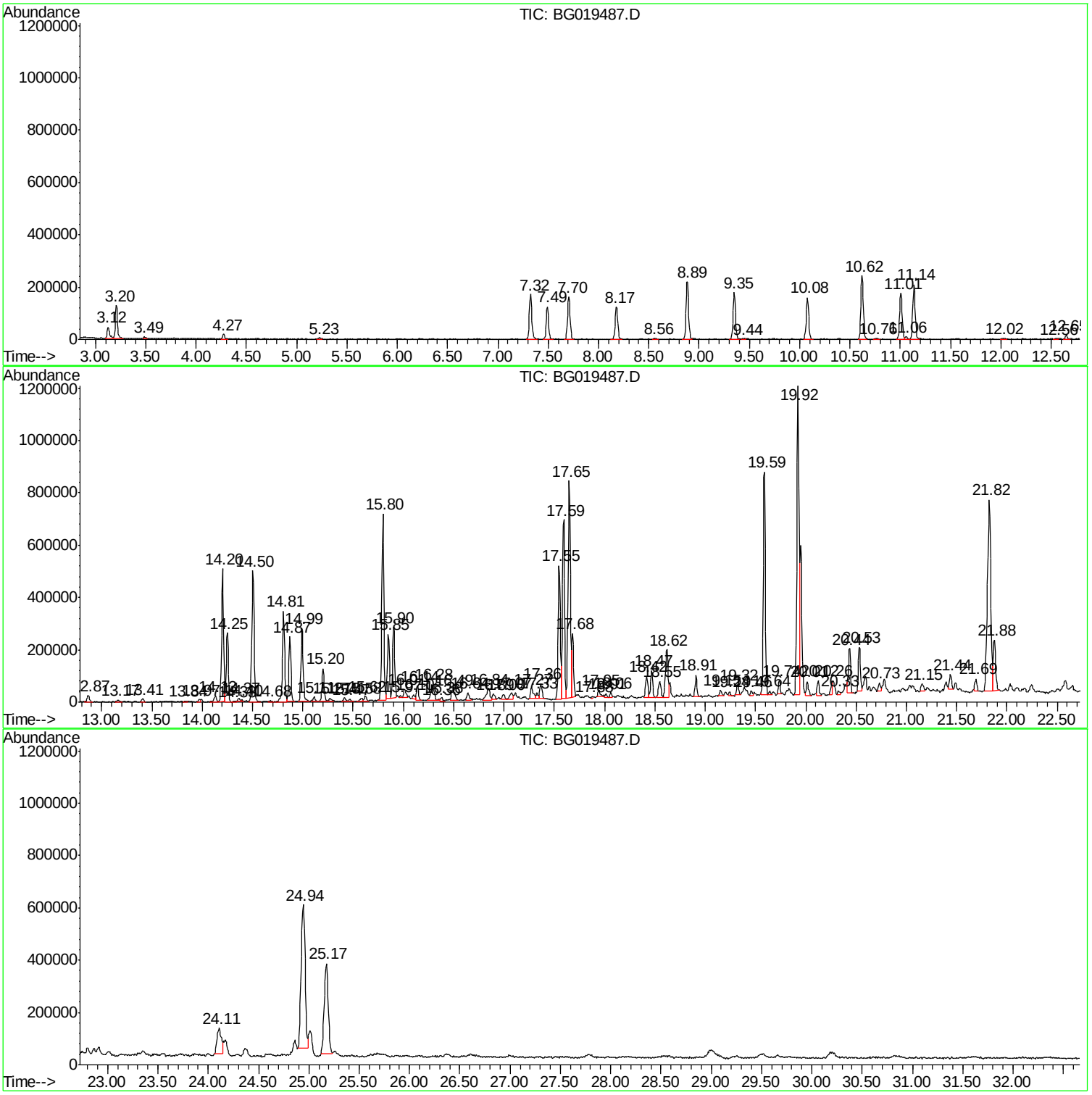
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

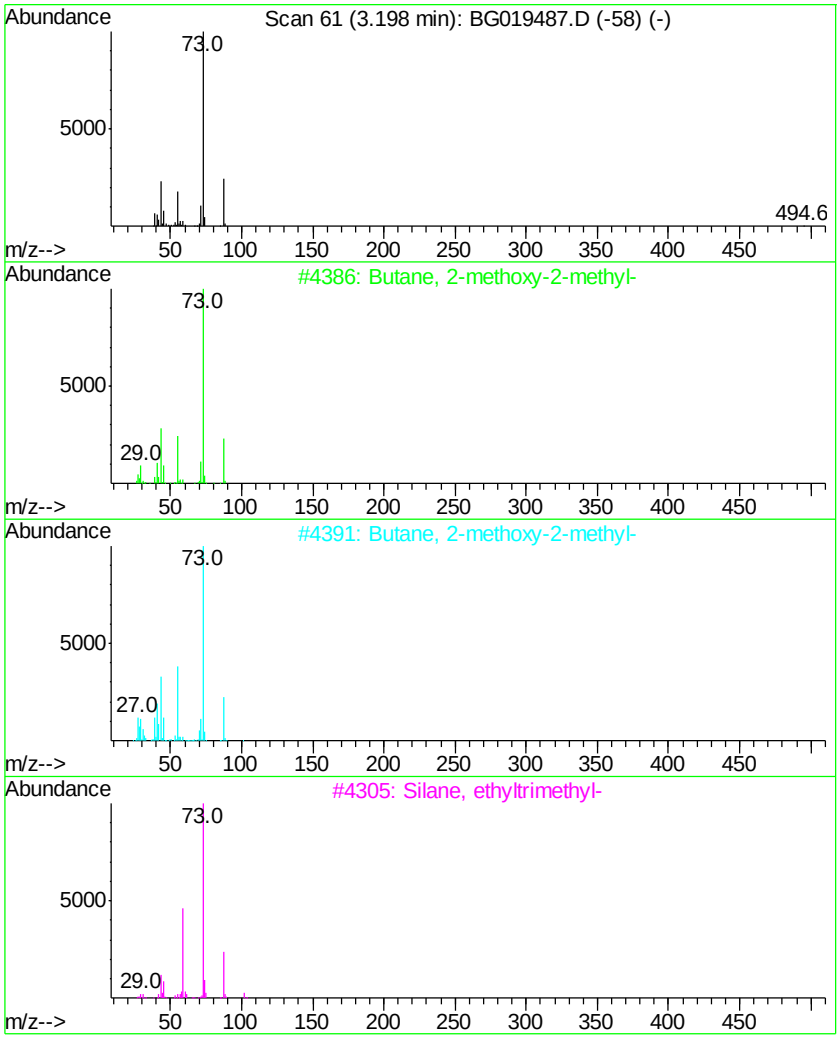
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

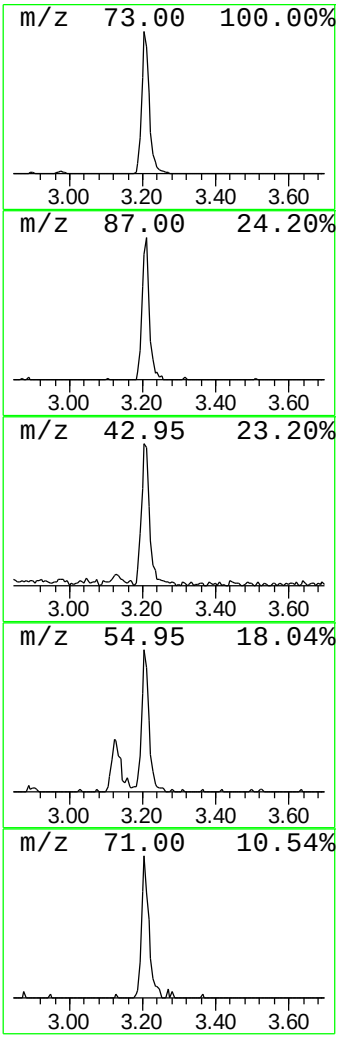
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	17.35 ng/ul	185689	1,4-Dichlorobenzene-d4	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

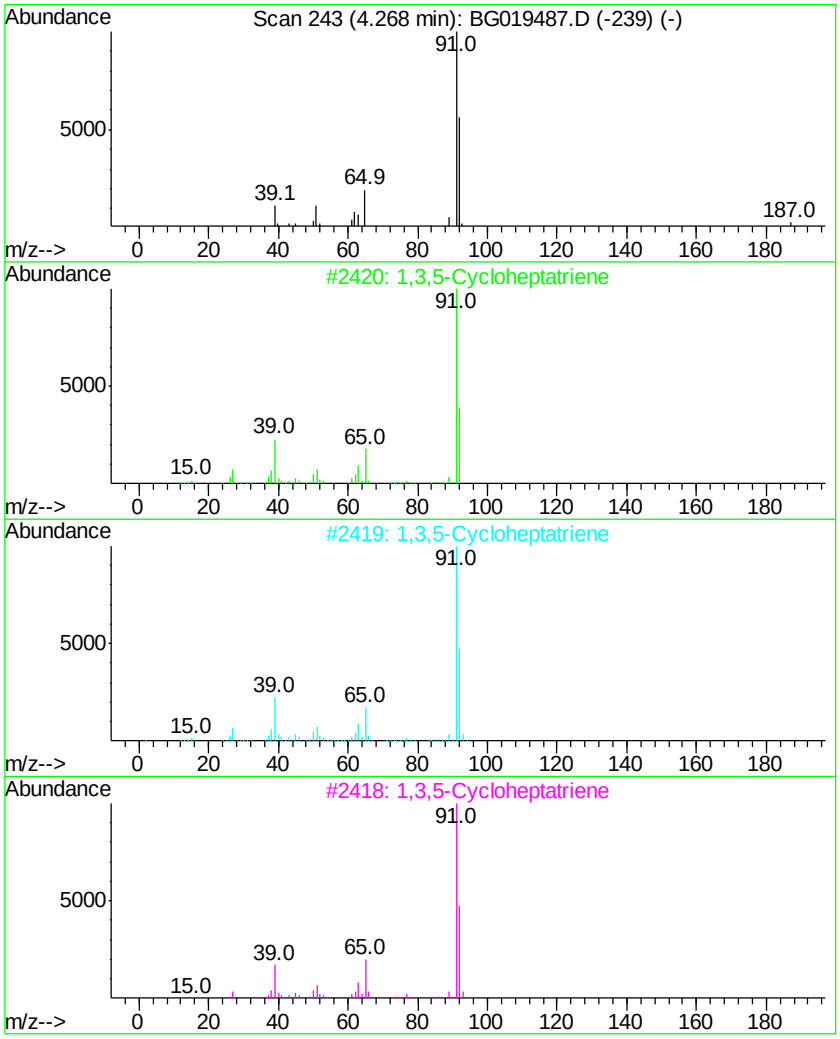
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

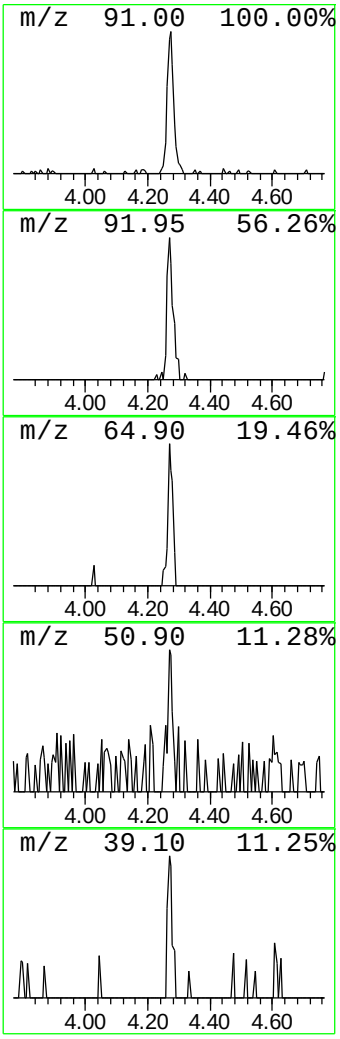
****

Peak Number 3 1,3,5-Cycloheptatriene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.27	2.77 ng/ul	29691	1,4-Dichlorobenzene-d4	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	83
2	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	83
3	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	83
4	Spiro[2.4]hepta-4,6-diene	92	C7H8	000765-46-8	80
5	Spiro[3.3]hepta-1,5-diene	92	C7H8	022635-78-5	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

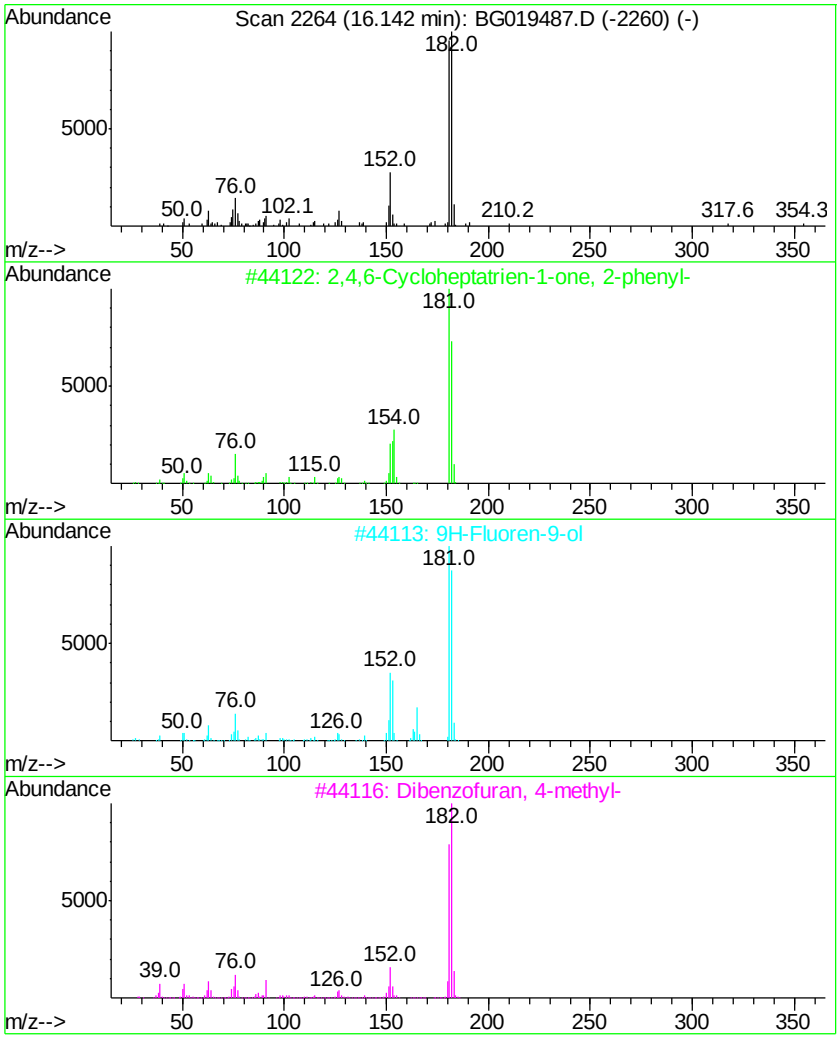
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

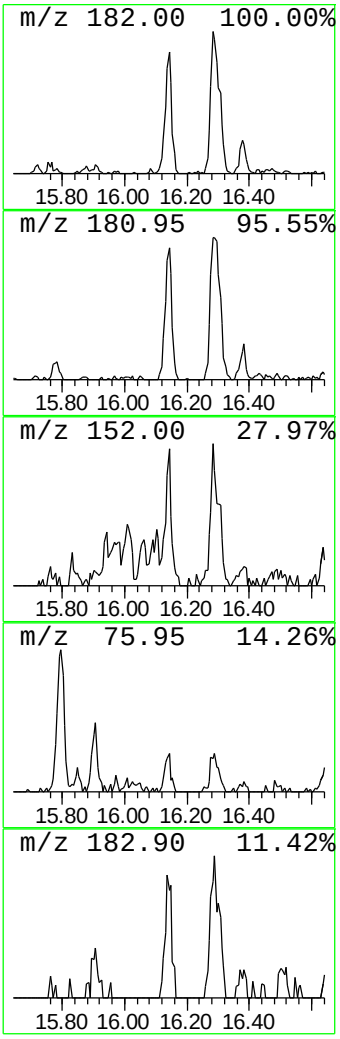
****

Peak Number 4 2,4,6-Cycloheptatrien-1-one... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	2.98 ng/ul	82571	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

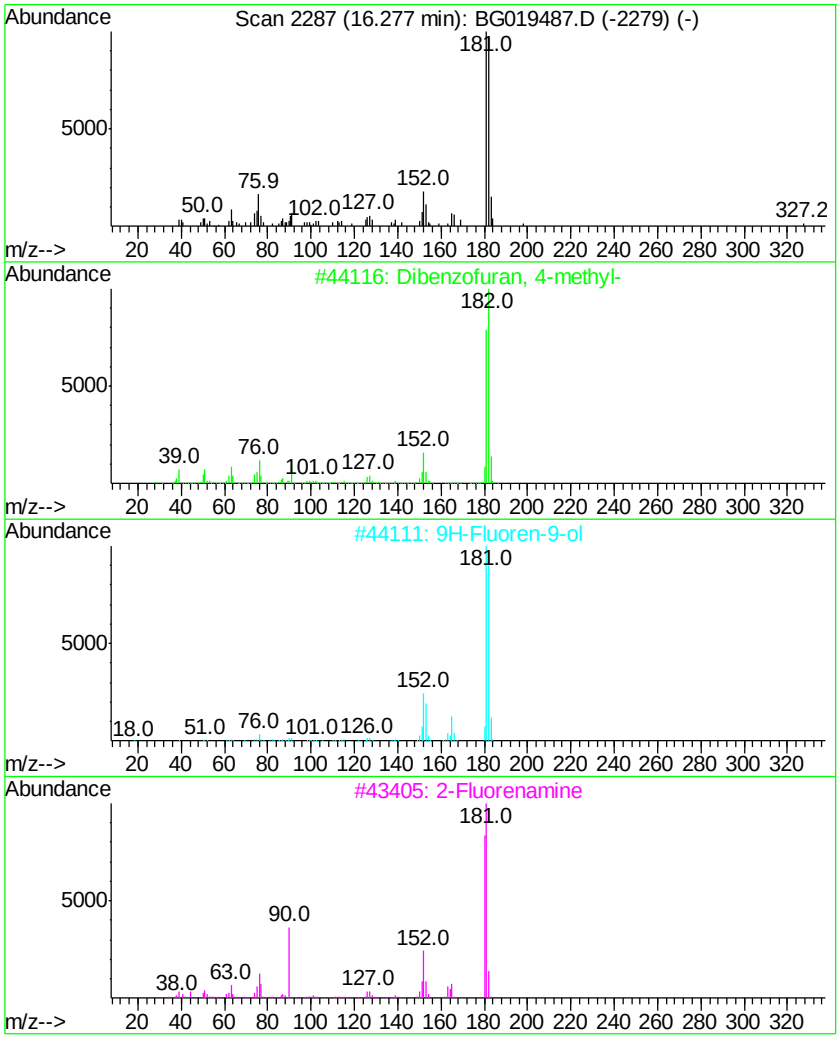
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

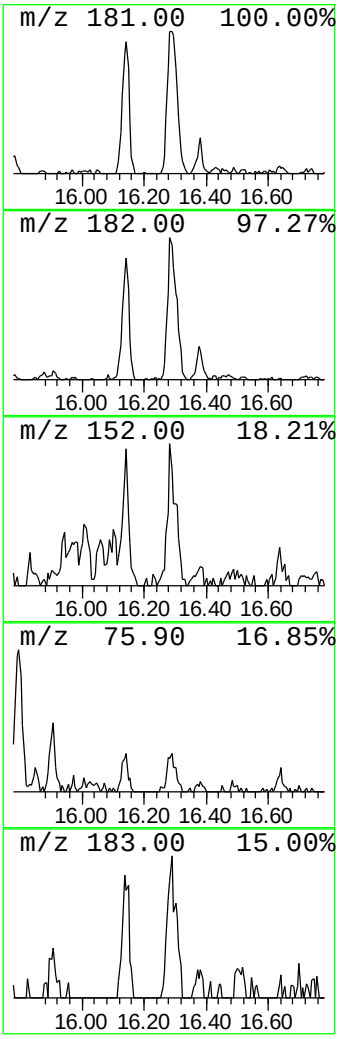
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	3.34 ng/ul	137576	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	2-Fluorenamine	181	C13H11N	000153-78-6	60
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	59
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

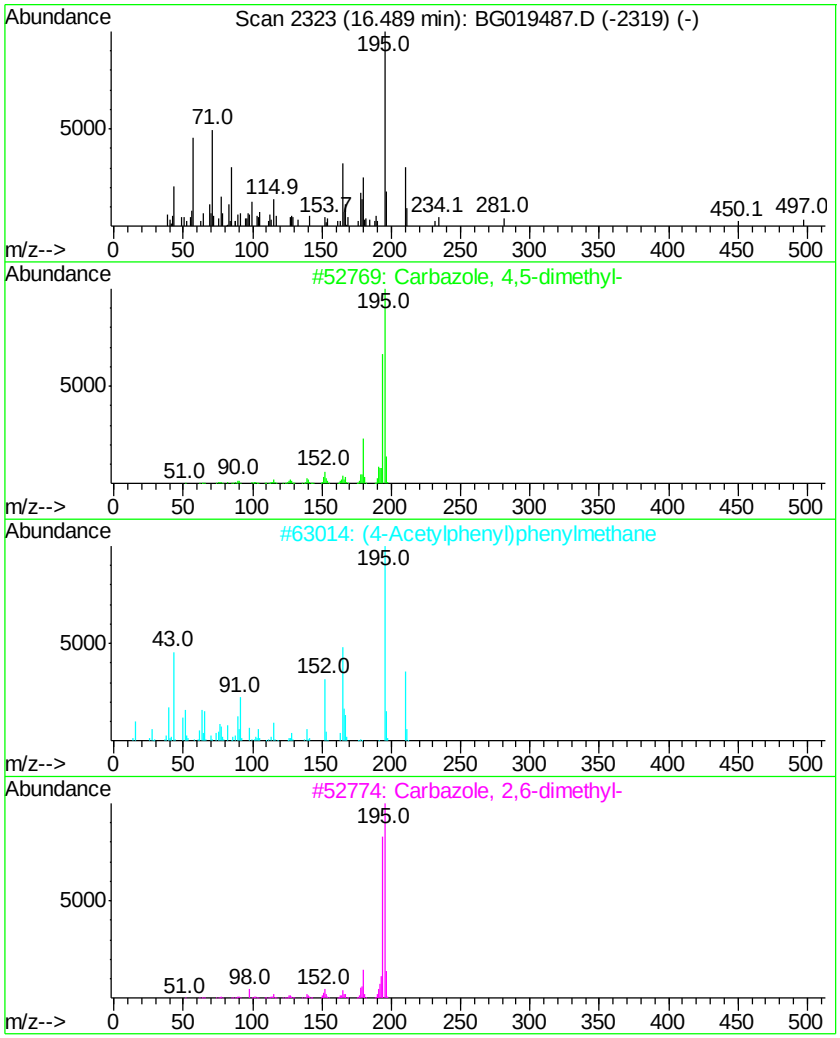
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

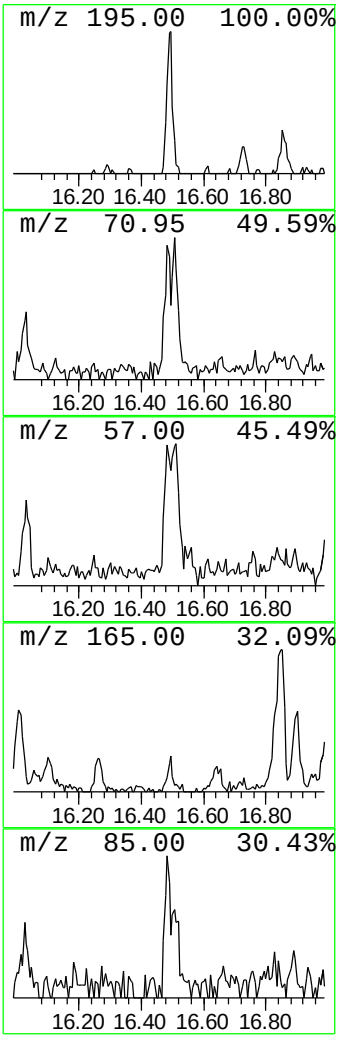
****

Peak Number 6 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.34 ng/ul	96058	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbazole, 4,5-dimethyl-	195	C14H13N	018992-66-0	47
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	46
3	Carbazole, 2,6-dimethyl-	195	C14H13N	078787-80-1	43
4	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	43
5	Benzenamine, 3-(2-phenylethenyl)...	195	C14H13N	014064-82-5	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

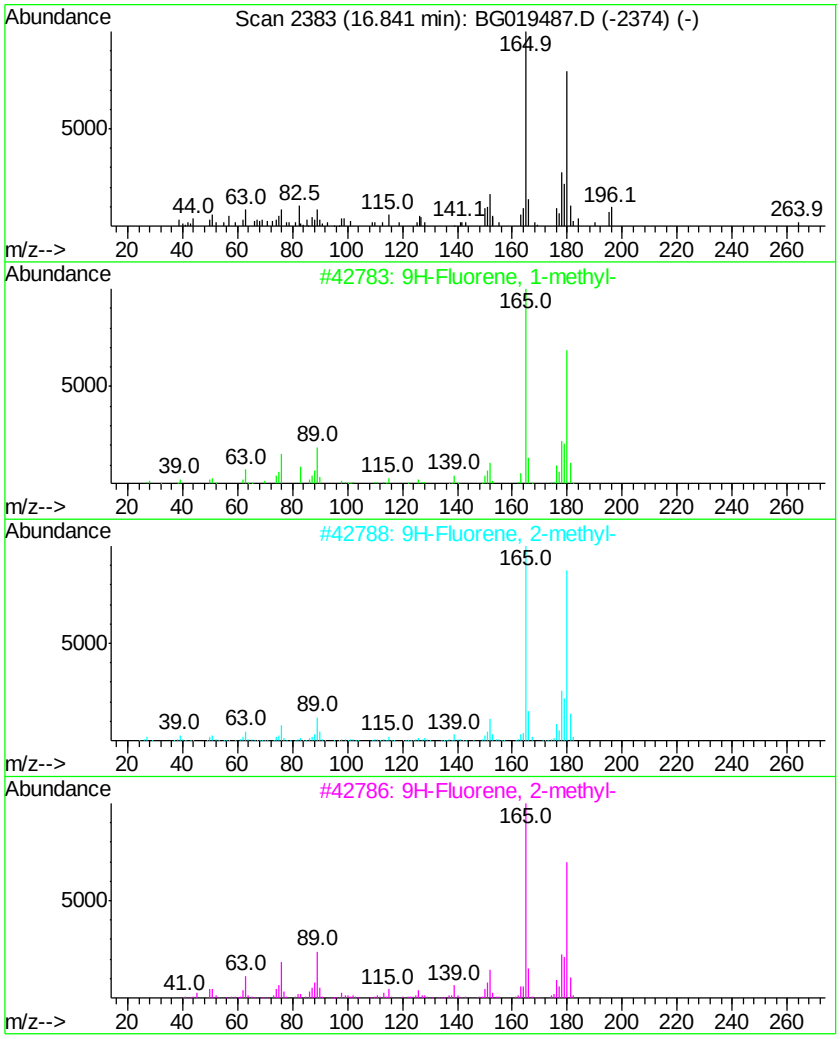
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

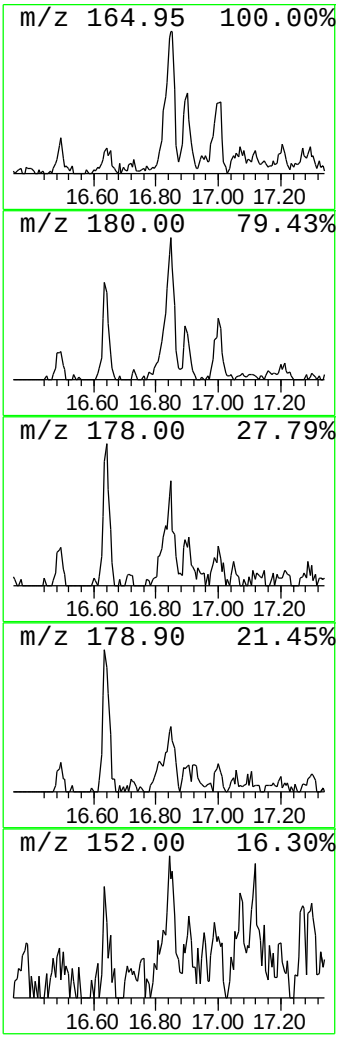
****

Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	2.66 ng/ul	109242	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

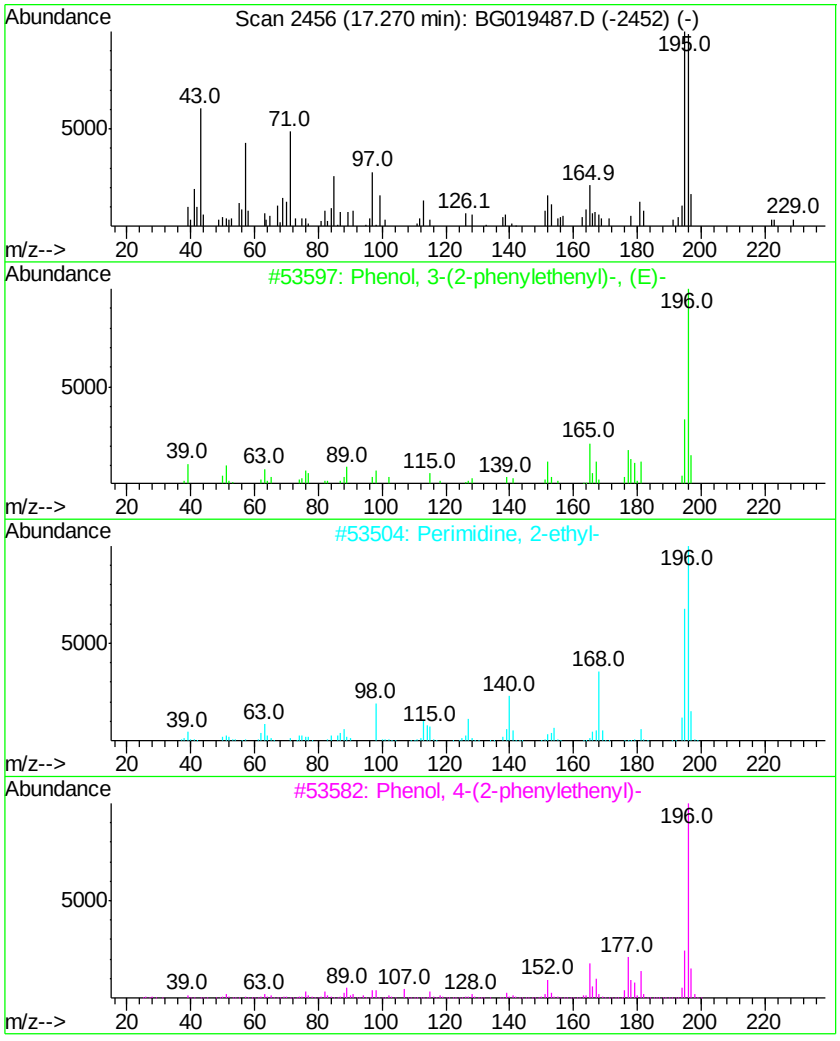
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

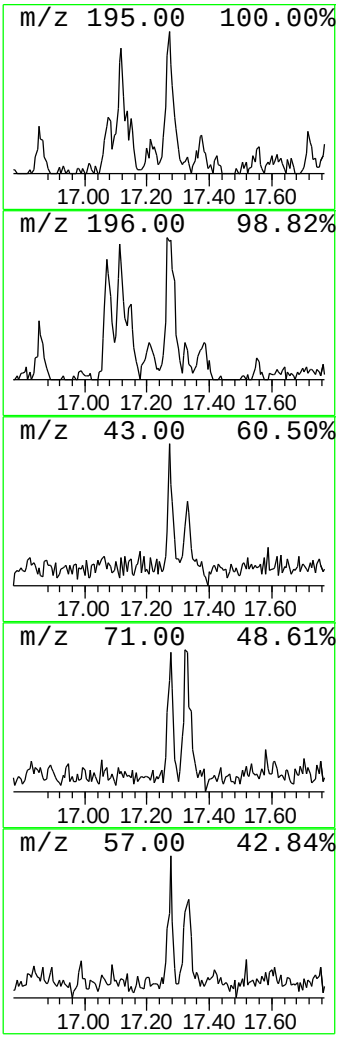
****

Peak Number 8 Phenol, 3-(2-phenylethenyl)... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	2.07 ng/ul	85202	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	50
2	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	45
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43
4	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	38
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

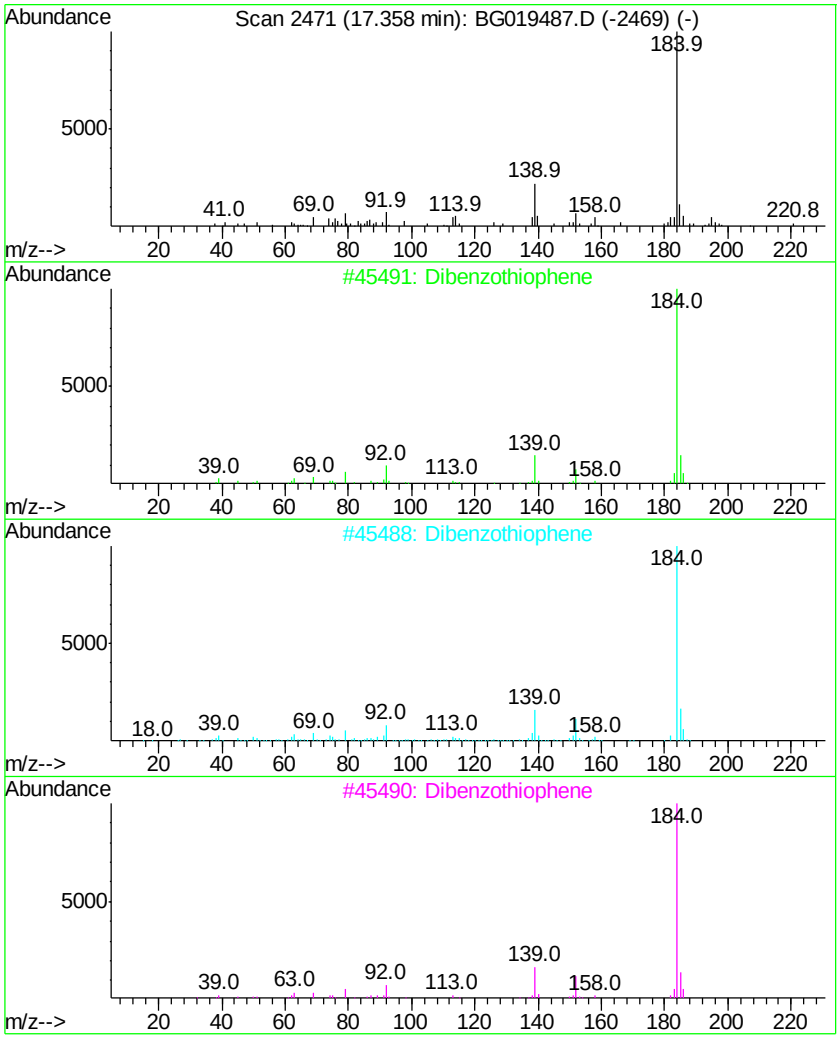
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

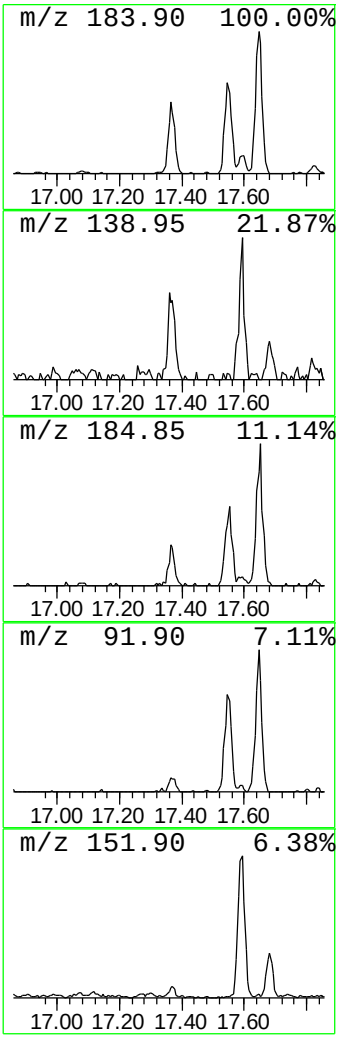
****

Peak Number 9 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	2.06 ng/ul	84925	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	90
4	Dibenzothiophene	184	C12H8S	000132-65-0	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

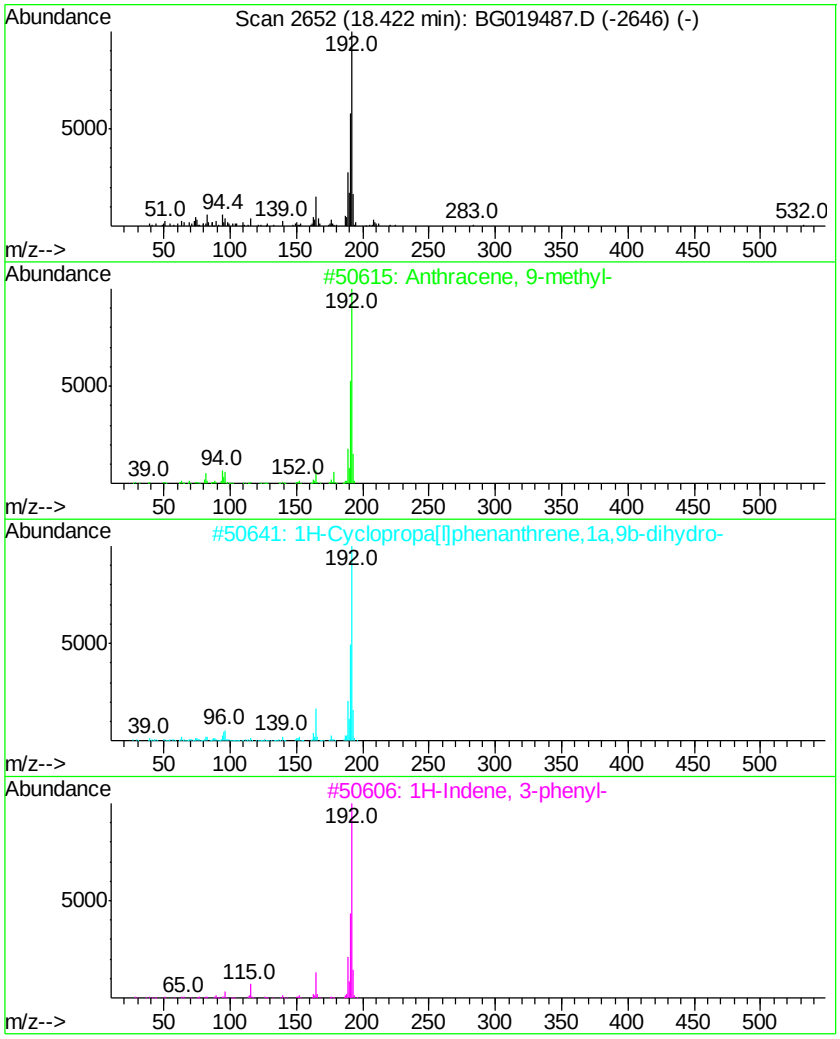
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

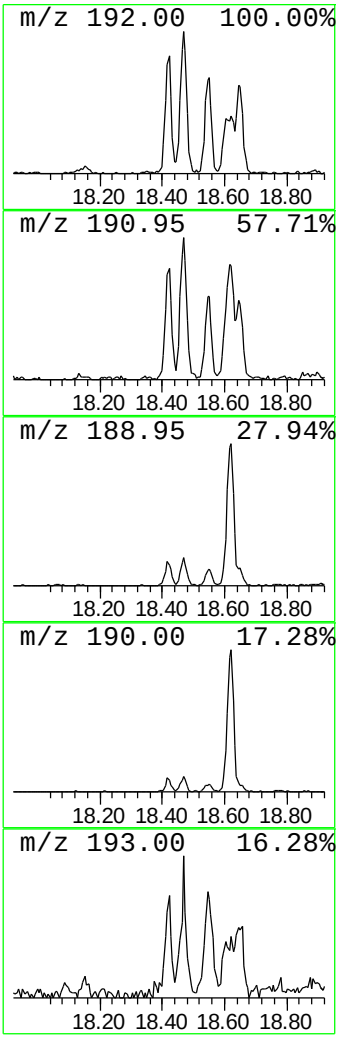
****

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	3.06 ng/ul	125946	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
3	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	76
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	76
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

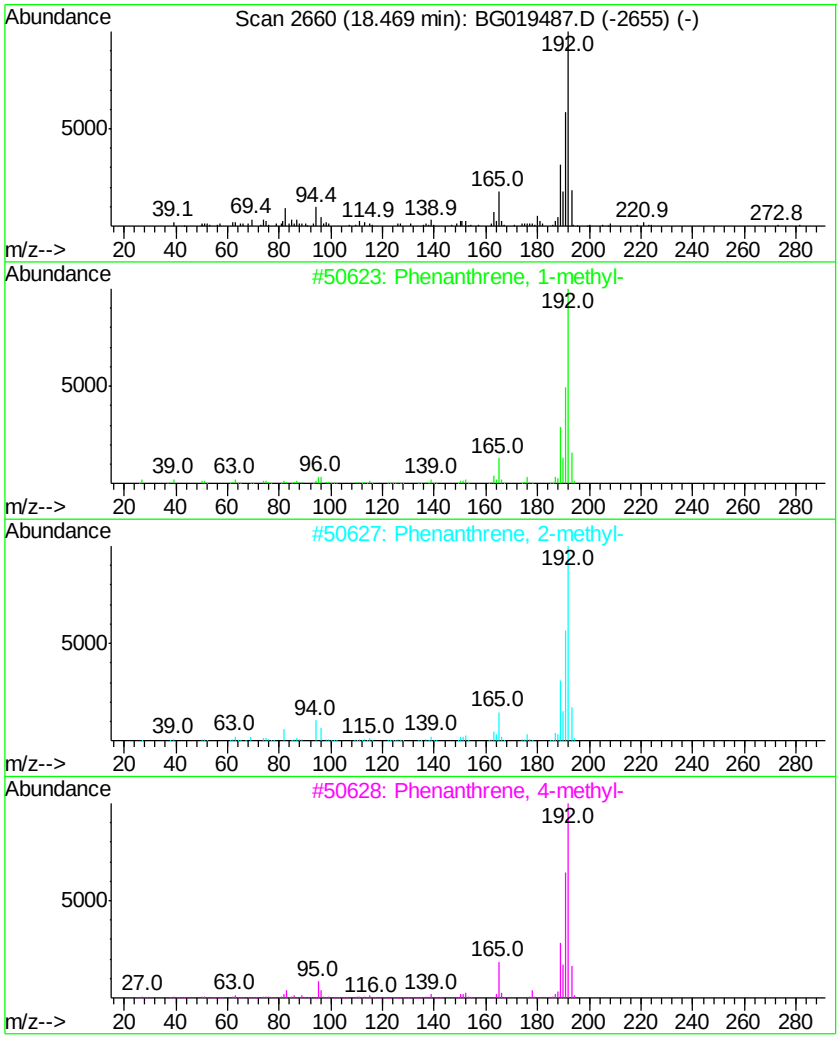
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

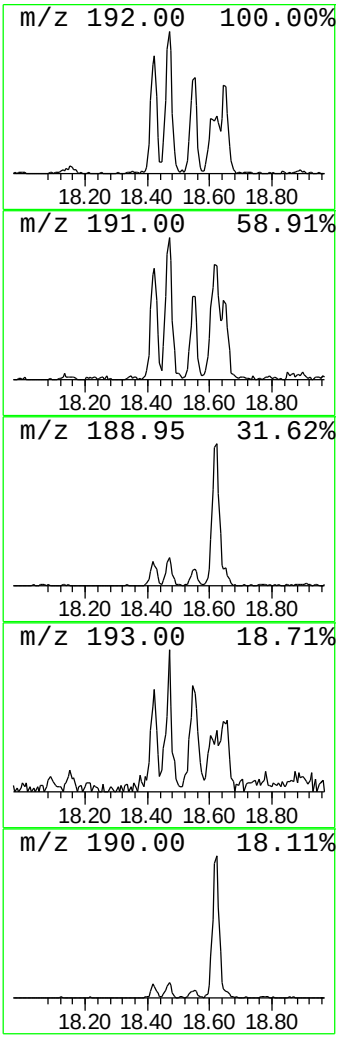
****

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	3.75 ng/ul	154387	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

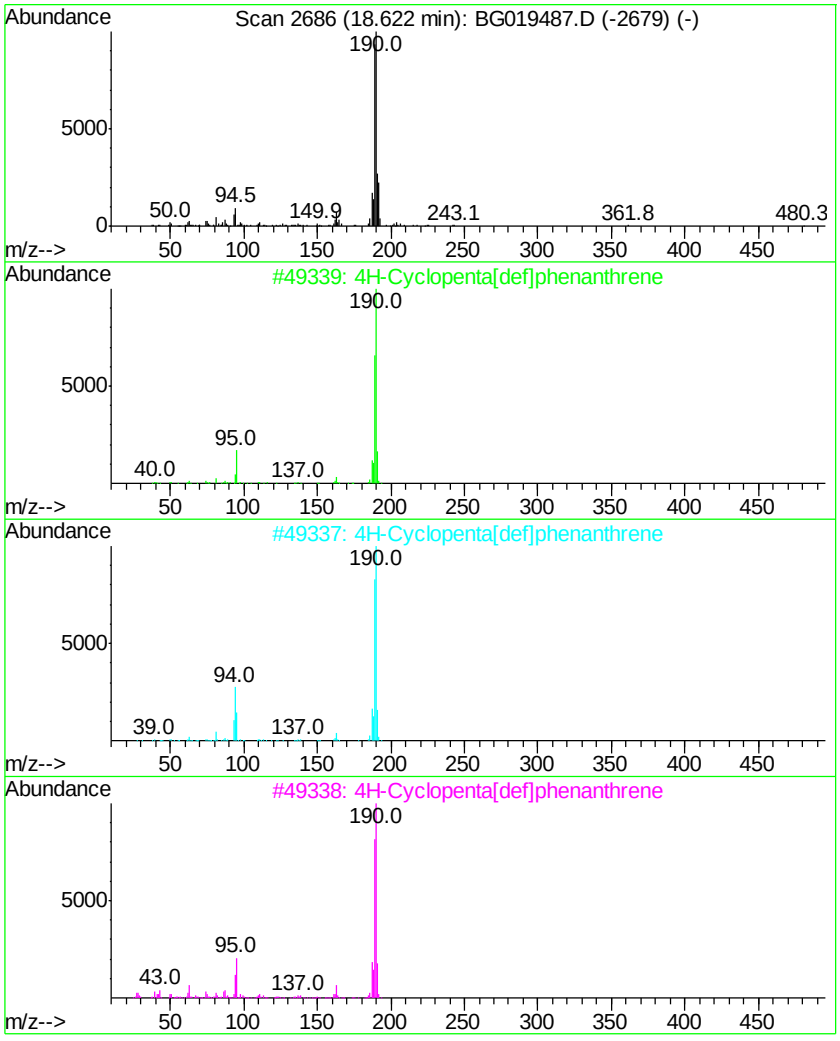
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

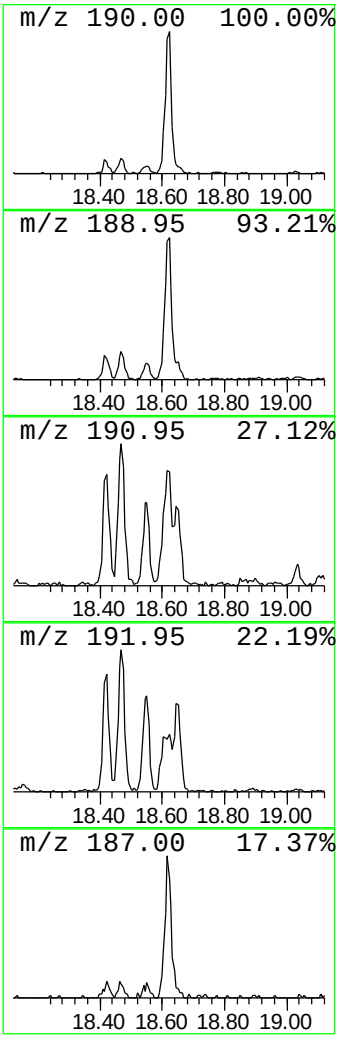
****

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	7.56 ng/ul	311006	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

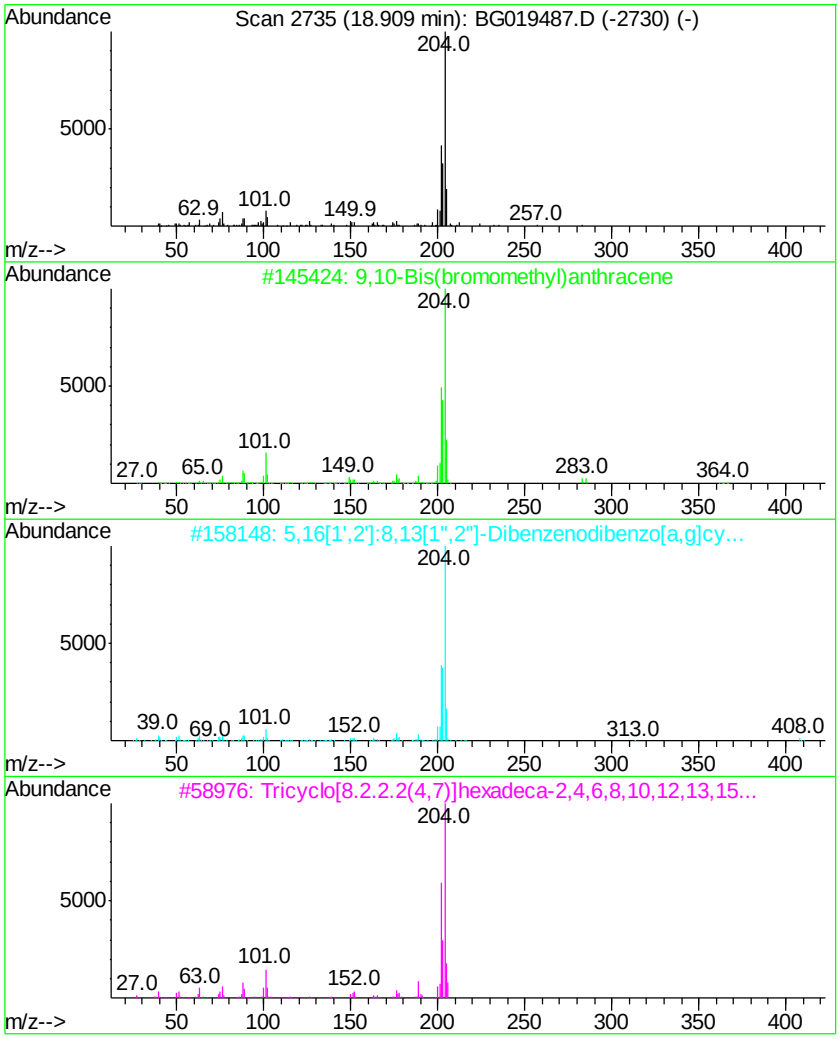
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

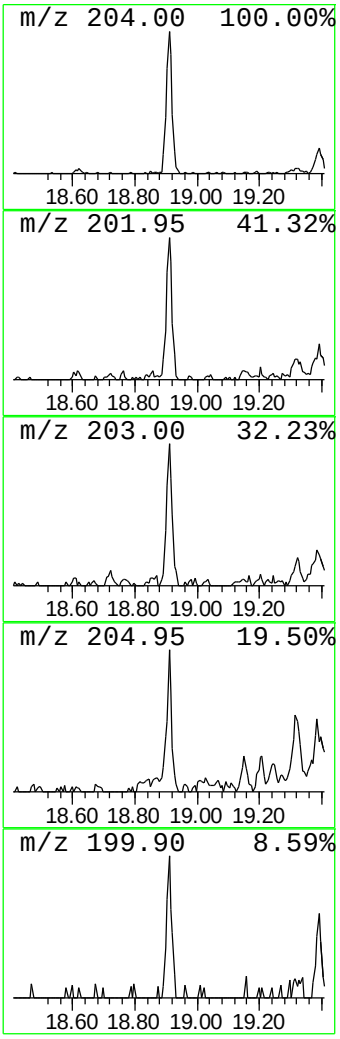
****

Peak Number 14 9,10-Bis(bromomethyl)anthra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.81 ng/ul	115468	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

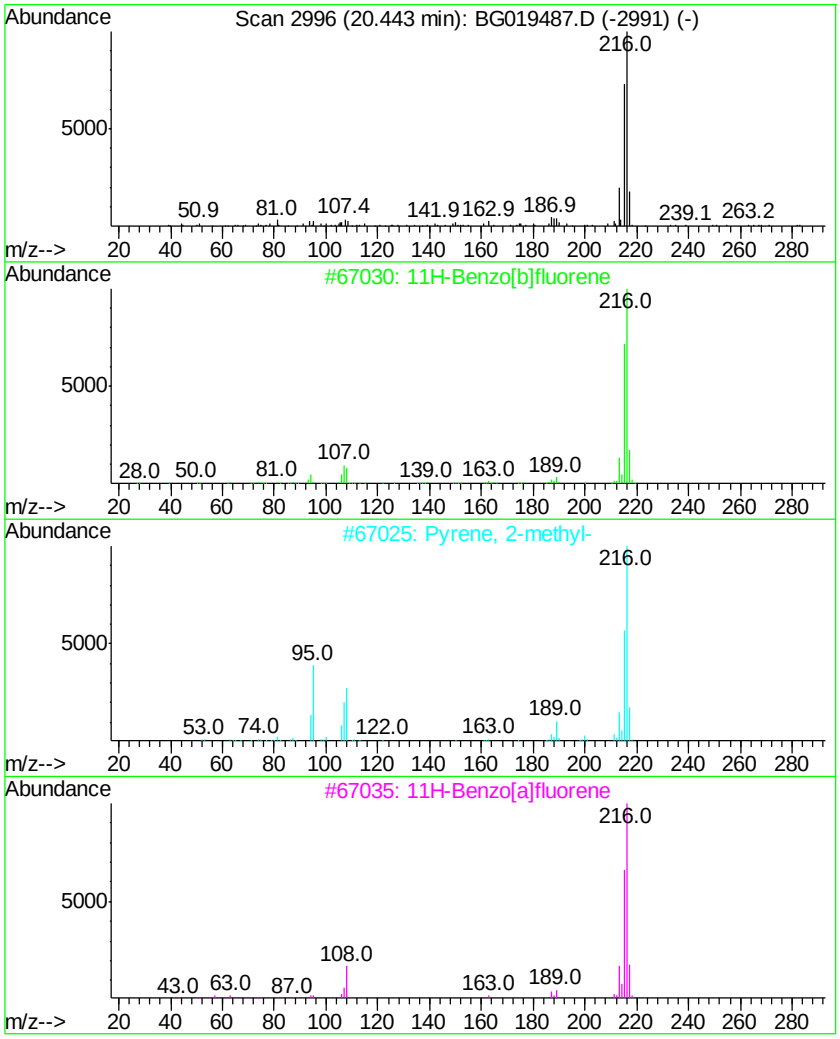
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

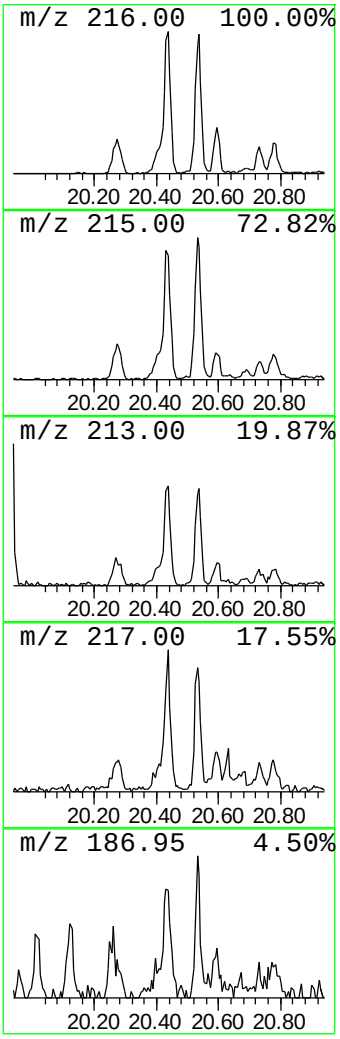
****

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	3.00 ng/ul	243979	Chrysene-d12	21.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

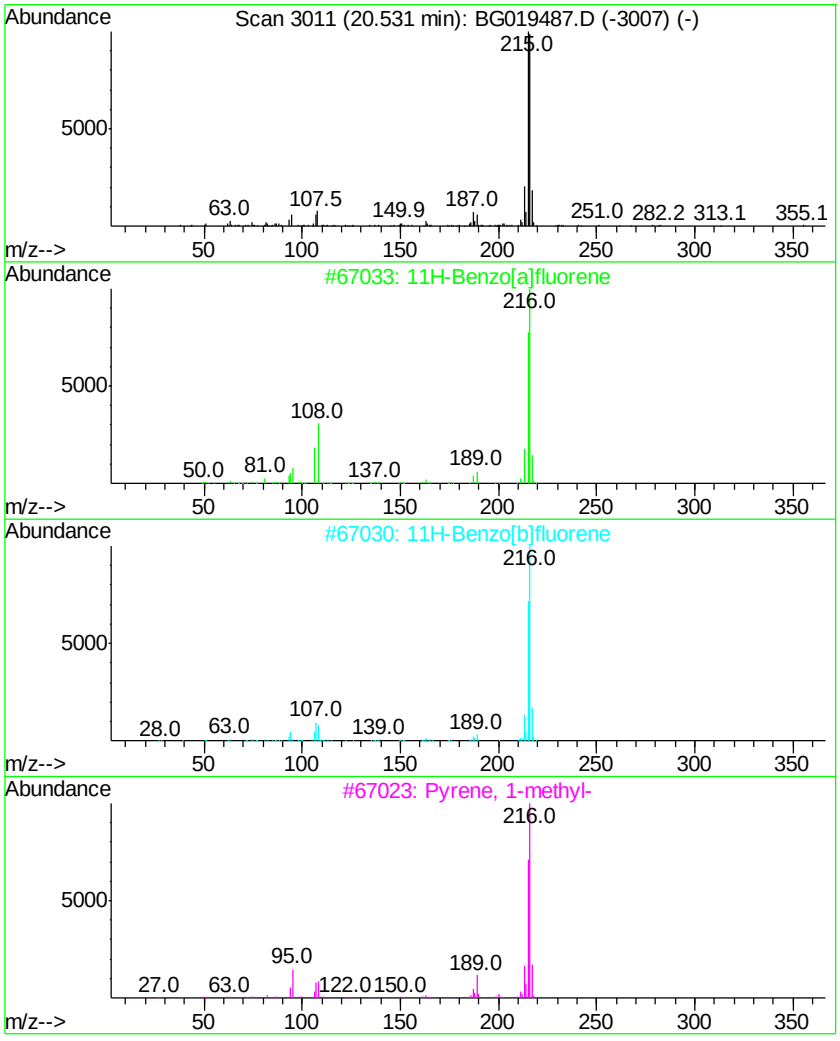
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

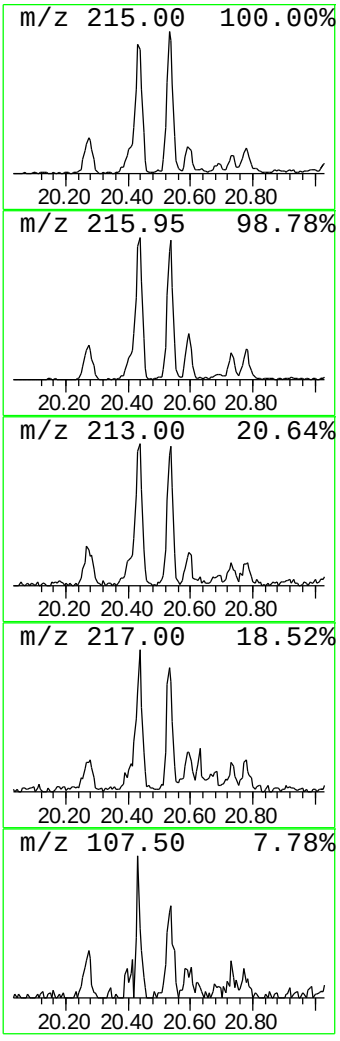
****

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	2.88 ng/ul	234795	Chrysene-d12	21.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AN6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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
Butane, 2-methoxy...	3.20	17.4	ng/ul	185689	1	8.17	214019	20.0
1,3,5-Cycloheptat...	4.27	2.8	ng/ul	29691	1	8.17	214019	20.0
2,4,6-Cycloheptat...	16.14	3.0	ng/ul	82571	3	14.81	555001	20.0
Dibenzofuran, 4-m...	16.28	3.3	ng/ul	137576	4	17.55	822718	20.0
unknown-01	16.49	2.3	ng/ul	96058	4	17.55	822718	20.0
9H-Fluorene, 1-me...	16.84	2.7	ng/ul	109242	4	17.55	822718	20.0
Phenol, 3-(2-phen...	17.27	2.1	ng/ul	85202	4	17.55	822718	20.0
Dibenzothiophene	17.36	2.1	ng/ul	84925	4	17.55	822718	20.0
Anthracene, 9-met...	18.42	3.1	ng/ul	125946	4	17.55	822718	20.0
Phenanthrene, 1-m...	18.47	3.8	ng/ul	154387	4	17.55	822718	20.0
4H-Cyclopenta[def...	18.62	7.6	ng/ul	311006	4	17.55	822718	20.0
9,10-Bis(bromomet...	18.91	2.8	ng/ul	115468	4	17.55	822718	20.0
11H-Benzo[b]fluorene	20.44	3.0	ng/ul	243979	5	21.82	1628620	20.0
11H-Benzo[a]fluorene	20.53	2.9	ng/ul	234795	5	21.82	1628620	20.0