LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021385.D
Acq On : 9 Mar 2016 3:05
Operator : UM/SJ
Sample : H1655-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-H280

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-BG030316.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	3.266	69	73	77	rBV4	3224	4480	0.95%	0.068%
2	3.531	115	118	123	rBV	2099	2526	0.54%	0.039%
3	4.612	299	302	308	rBV2	2387	2677	0.57%	0.041%
4	5.217	400	405	409	rBV2	3684	6088	1.29%	0.093%
5	7.274	748	755	765	rBV	51788	87346	18.58%	1.335%
6	7.444	778	784	793	rBB	38274	60697	12.91%	0.927%
7	7.655	814	820	827	rBB	48252	80658	17.16%	1.232%
8	8.125	893	900	906	rVB	49280	80238	17.07%	1.226%
9	8.819	1012	1018	1025	rBV	58613	98555	20.96%	1.506%
10	9.289	1091	1098	1107	rBB	50966	87993	18.72%	1.344%
11	10.011	1214	1221	1228	rVB	44072	75681	16.10%	1.156%
12	10.546	1305	1312	1321	rBB	61105	102627	21.83%	1.568%
13	10.934	1370	1378	1383	rBV	73228	129402	27.52%	1.977%
14	10.981	1383	1386	1394	rVB2	5712	8430	1.79%	0.129%
15	11.063	1394	1400	1410	rBV2	51954	90113	19.17%	1.377%
16	12.573	1652	1657	1662	rBB	2583	4251	0.90%	0.065%
17	12.791	1690	1694	1698	rBB	2465	3479	0.74%	0.053%
18	13.613	1830	1834	1839	rBB2	2140	3195	0.68%	0.049%
19	14.054	1904	1909	1914	rBB	1603	2429	0.52%	0.037%
20	14.130	1916	1922	1927	rVV	103830	154698	32.91%	2.364%
21	14.177	1927	1930	1937	rVB	23107	31861	6.78%	0.487%
22	14.430	1966	1973	1980	rVB	121372	184769	39.30%	2.823%
23	14.606	1999	2003	2008	rVB	5002	6670	1.42%	0.102%
24	14.735	2016	2025	2031	rBV2	110623	171803	36.54%	2.625%
25	14.794	2031	2035	2041	rVB	26046	40038	8.52%	0.612%
26	14.918	2050	2056	2067	rBV	46025	76499	16.27%	1.169%
27	15.129	2084	2092	2099	rBV2	22715	37609	8.00%	0.575%
28	15.552	2160	2164	2169	rVB2	7695	10308	2.19%	0.157%
29	15.722	2186	2193	2198	rBV	152497	228398	48.58%	3.490%
30	15.775	2198	2202	2207	rVB	34572	46458	9.88%	0.710%
31	15.834	2207	2212	2216	rBV2	46653	67644	14.39%	1.034%
32	15.934	2226	2229	2231	rBV2	3211	3677	0.78%	0.056%
33	16.063	2247	2251	2255	rVV3	4159	5721	1.22%	0.087%
34	16.210	2272	2276	2283	rBV	5293	8686	1.85%	0.133%

LSC Area Percent Report

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Data File : BG021385.D
Acq On : 9 Mar 2016 3:05
Operator : UM/SJ
Sample : H1655-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-H280

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-BG030316.M
Title : SVOA CALIBRATION

35	16.416	2306	2311	2314	rBV	7607	11541	2.45%	0.176%
36	16.751	2361	2368	2369	rBV4	3306	5179	1.10%	0.079%
37	16.768	2369	2371	2376	rVB3	3939	5630	1.20%	0.086%
38	16.821	2376	2380	2384	rBV	1851	2795	0.59%	0.043%
39	17.127	2427	2432	2436	rBB	9046	11978	2.55%	0.183%
40	17.203	2440	2445	2446	rBV3	5011	6909	1.47%	0.106%
41	17.291	2456	2460	2465	rVB2	11441	16376	3.48%	0.250%
42	17.473	2484	2491	2494	rBV	134684	211115	44.91%	3.226%
43	17.514	2494	2498	2503	rVV	271423	398343	84.73%	6.086%
44	17.567	2503	2507	2511	rVV	164108	255859	54.42%	3.909%
45	17.603	2511	2513	2518	rVV	55472	69887	14.87%	1.068%
46	17.661	2520	2523	2527	rVB2	3732	4972	1.06%	0.076%
47	17.867	2550	2558	2565	rBV2	27719	44304	9.42%	0.677%
48	17.984	2574	2578	2584	rVV2	2301	3614	0.77%	0.055%
49	18.055	2584	2590	2592	rVV3	2327	3398	0.72%	0.052%
50	18.337	2633	2638	2643	rBV2	28923	45969	9.78%	0.702%
51	18.390	2643	2647	2654	rVB2	31048	43813	9.32%	0.669%
52	18.466	2654	2660	2666	rBV2	8584	13251	2.82%	0.202%
53	18.537	2666	2672	2676	rBV2	34951	61835	13.15%	0.945%
54	18.631	2684	2688	2692	rBV3	2187	2842	0.60%	0.043%
55	18.684	2692	2697	2701	rVB3	2450	3431	0.73%	0.052%
56	18.831	2718	2722	2726	rBV	16320	19952	4.24%	0.305%
57	18.878	2726	2730	2735	rVB2	16506	23814	5.07%	0.364%
58	19.077	2760	2764	2768	rVB3	3966	4545	0.97%	0.069%
59	19.124	2768	2772	2776	rBV2	3154	4387	0.93%	0.067%
60	19.242	2787	2792	2797	rBV4	6899	11577	2.46%	0.177%
61	19.312	2800	2804	2807	rVV3	3207	5015	1.07%	0.077%
62	19.389	2811	2817	2825	rBV4	6025	10978	2.34%	0.168%
63	19.512	2830	2838	2844	rBV	305771	428653	91.18%	6.550%
64	19.606	2849	2854	2857	rVB4	4858	6550	1.39%	0.100%
65	19.700	2866	2870	2872	rBV2	2016	2487	0.53%	0.038%
66	19.747	2874	2878	2882	rVV3	6043	8873	1.89%	0.136%
67	19.841	2888	2894	2897	rBV2	232391	375423	79.85%	5.736%
68	19.871	2897	2899	2906	rVV	201876	262855	55.91%	4.016%
69	19.935	2906	2910	2917	rVB2	12570	18494	3.93%	0.283%
70	20.047	2924	2929	2935	rVB	14571	21716	4.62%	0.332%
71	20.111	2935	2940	2945	rVB	9885	15233	3.24%	0.233%

LSC Area Percent Report

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Acq On : 9 Mar 2016 3:05
Operator : UM/SJ
Sample : H1655-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-H280

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-BG030316.M
Title : SVOA CALIBRATION

72	20.176	2945	2951	2960	rBV5	19981	45265	9.63%	0.692%
73	20.358	2977	2982	2987	rVB	42185	63611	13.53%	0.972%
74	20.458	2994	2999	3002	rBV	30009	41407	8.81%	0.633%
75	20.511	3002	3008	3012	rVV2	14799	29161	6.20%	0.446%
76	20.546	3012	3014	3019	rVB2	6196	8267	1.76%	0.126%
77	20.658	3029	3033	3036	rBV	7568	8807	1.87%	0.135%
78	20.699	3036	3040	3043	rVV3	25311	30622	6.51%	0.468%
79	20.740	3043	3047	3052	rVV	75425	90490	19.25%	1.383%
80	20.775	3052	3053	3057	rVB4	6318	5825	1.24%	0.089%
81	20.975	3085	3087	3089	rBV3	2904	2876	0.61%	0.044%
82	21.122	3107	3112	3118	rVB	16191	25401	5.40%	0.388%
83	21.304	3136	3143	3147	rBV3	19685	37091	7.89%	0.567%
84	21.351	3147	3151	3156	rBV2	35706	55596	11.83%	0.849%
85	21.457	3165	3169	3174	rVB2	18078	30922	6.58%	0.472%
86	21.598	3189	3193	3201	rVB	58121	78312	16.66%	1.197%
87	21.727	3207	3215	3220	rBV3	195471	470132	100.00%	7.183%
88	21.780	3220	3224	3236	rVB	97379	168443	35.83%	2.574%
89	21.927	3247	3249	3256	rVB3	11579	18466	3.93%	0.282%
90	22.074	3270	3274	3279	rVB2	8819	15191	3.23%	0.232%
91	22.467	3336	3341	3345	rVB	11799	21725	4.62%	0.332%
92	22.744	3383	3388	3392	rBV4	7815	16886	3.59%	0.258%
93	23.190	3460	3464	3474	rVB5	29362	64430	13.70%	0.984%
94	23.402	3495	3500	3508	rVB4	13464	26523	5.64%	0.405%
95	23.954	3586	3594	3601	rBV2	57733	191815	40.80%	2.931%
96	24.683	3714	3718	3724	rBV2	10625	23355	4.97%	0.357%
97	24.759	3724	3731	3739	rVV	70269	199314	42.40%	3.045%
98	24.829	3739	3743	3752	rVB	34736	82901	17.63%	1.267%
99	24.982	3760	3769	3779	rBV	87188	239960	51.04%	3.666%
100	27.115	4130	4132	4135	rBV4	2536	2677	0.57%	0.041%

Sum of corrected areas: 6544768

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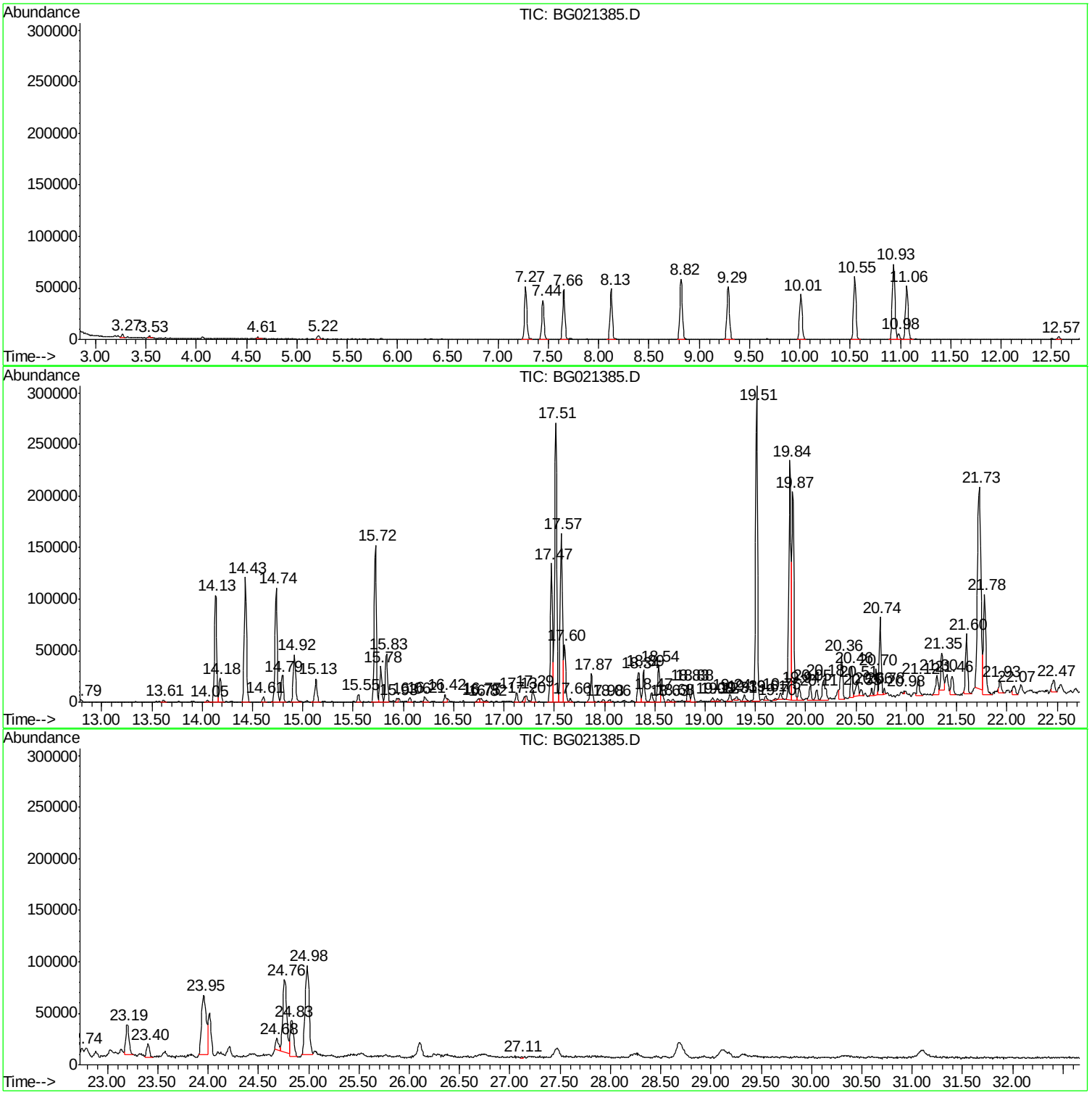
Sample : H1655-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-H280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

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



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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

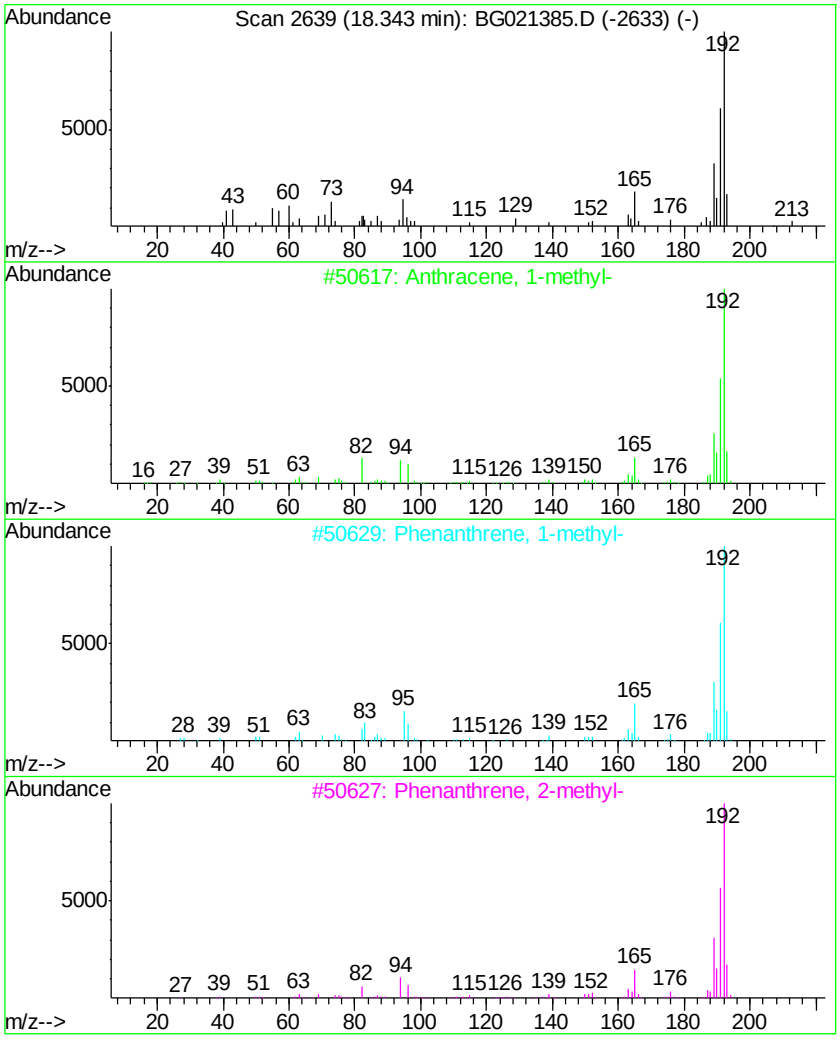
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

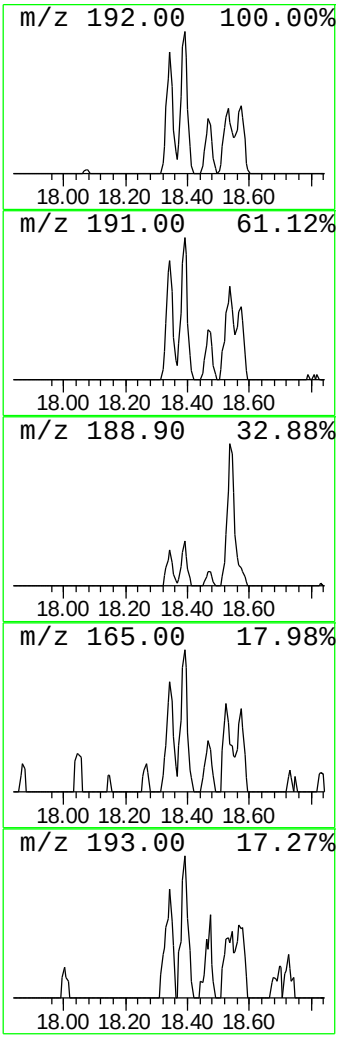
****

Peak Number 1 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	4.35 ng/ul	45969	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021385.D
Acq On : 9 Mar 2016 3:05
Operator : UM/SJ
Sample : H1655-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-H280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

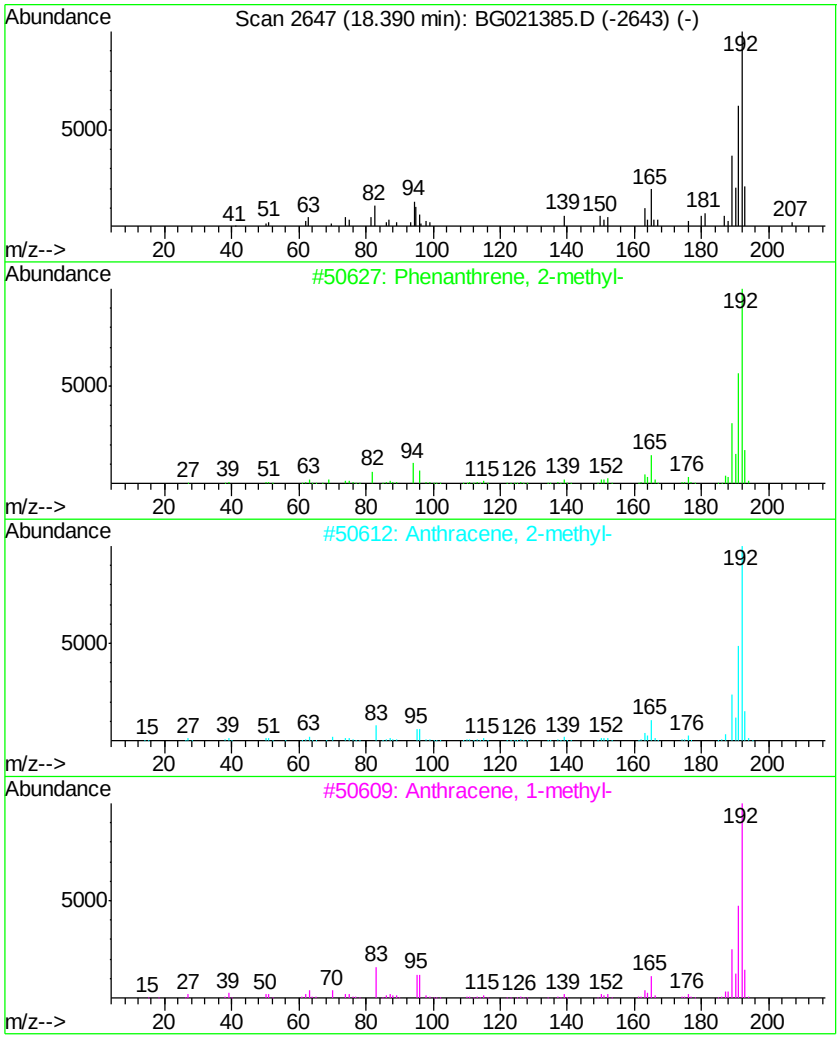
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

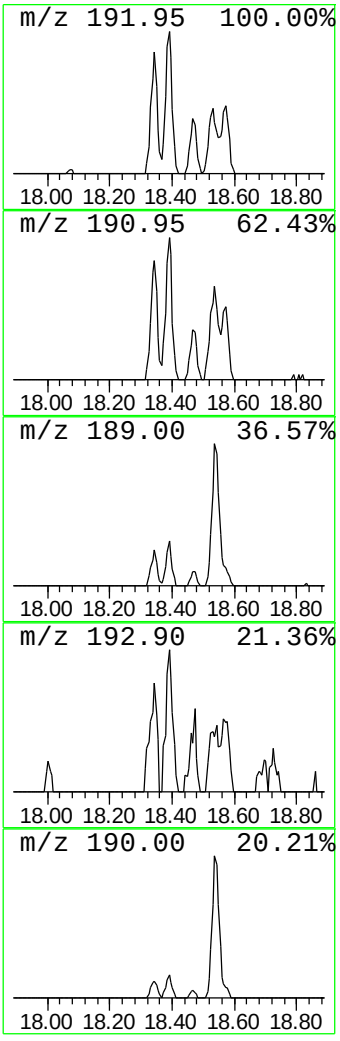
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	4.15 ng/ul	43813	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021385.D
Acq On : 9 Mar 2016 3:05
Operator : UM/SJ
Sample : H1655-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-H280

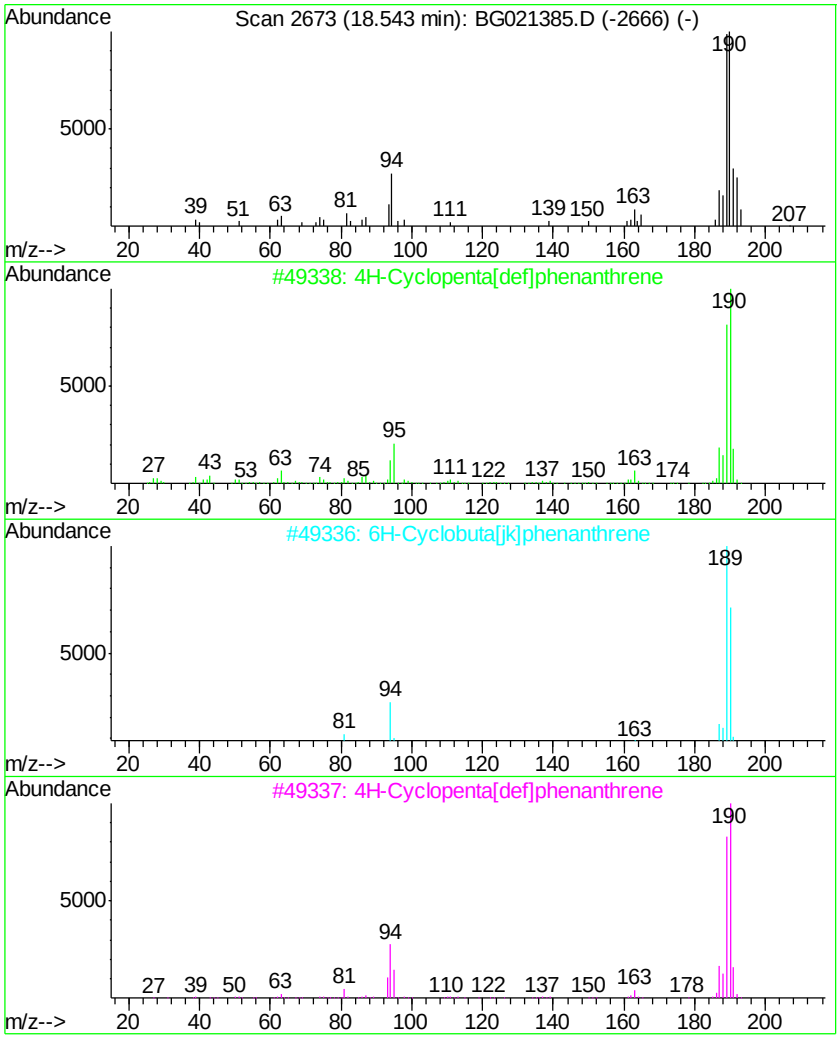
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

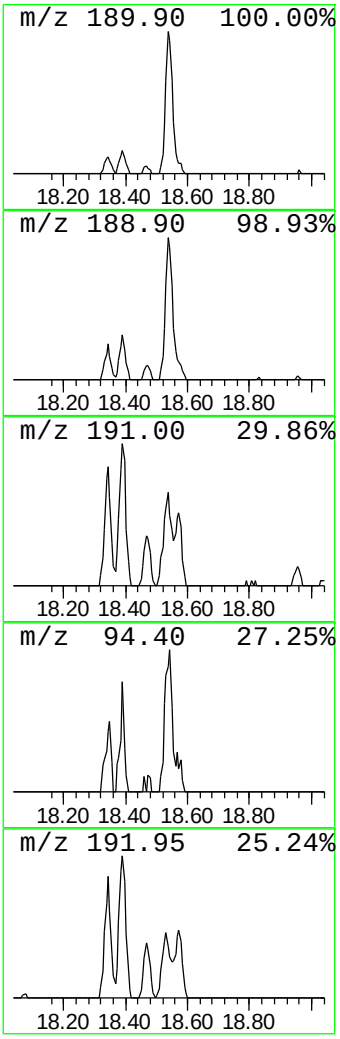
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	5.86 ng/ul	61835	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
5	Methyl diselenide	190	C2H6Se2	007101-31-7	55





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
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Acq On : 9 Mar 2016 3:05
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Sample : H1655-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-H280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

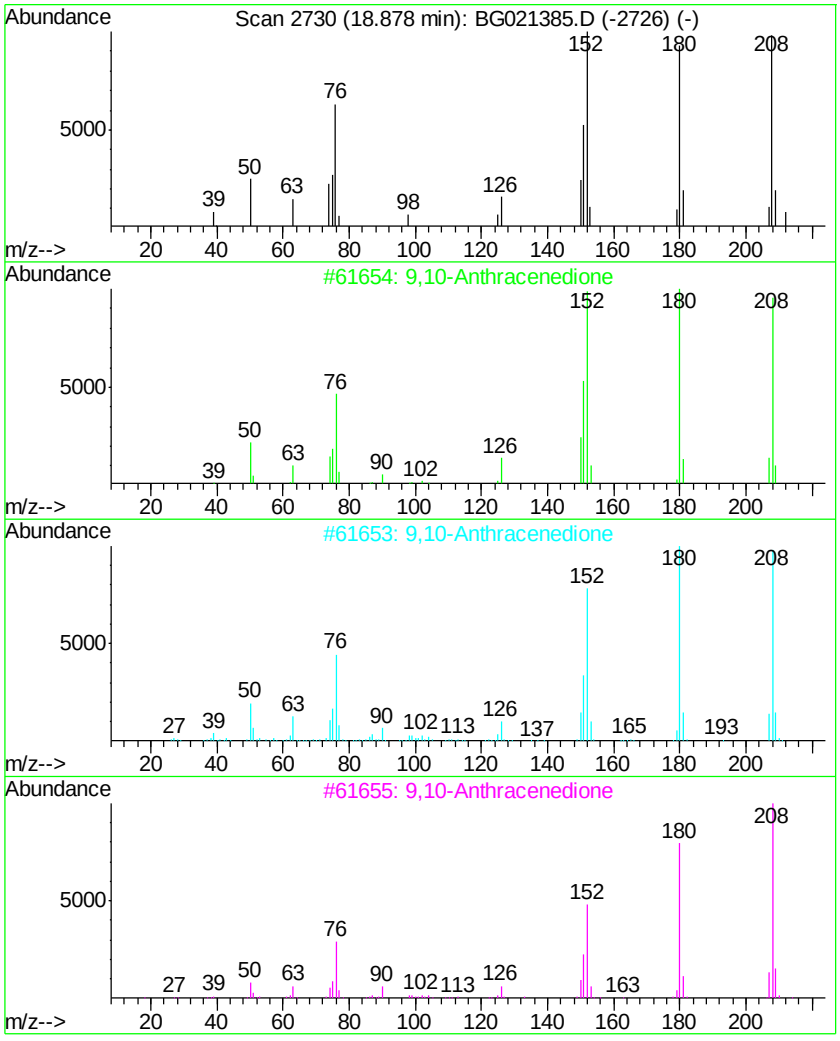
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

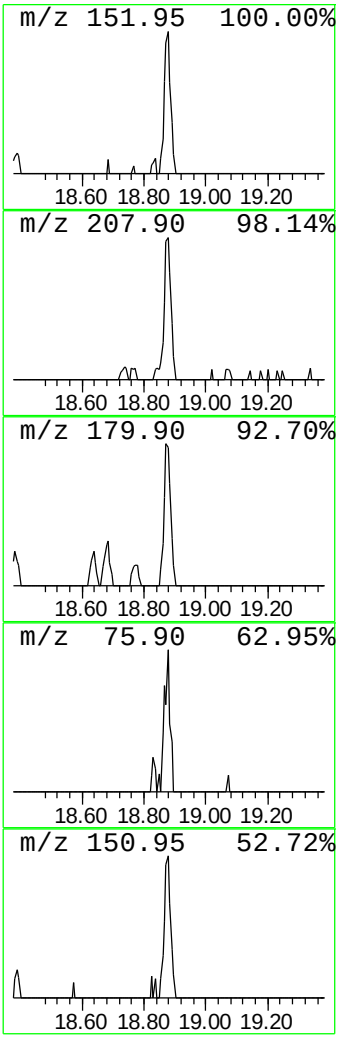
****

Peak Number 4 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	2.26 ng/ul	23814	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	52





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021385.D
Acq On : 9 Mar 2016 3:05
Operator : UM/SJ
Sample : H1655-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-H280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

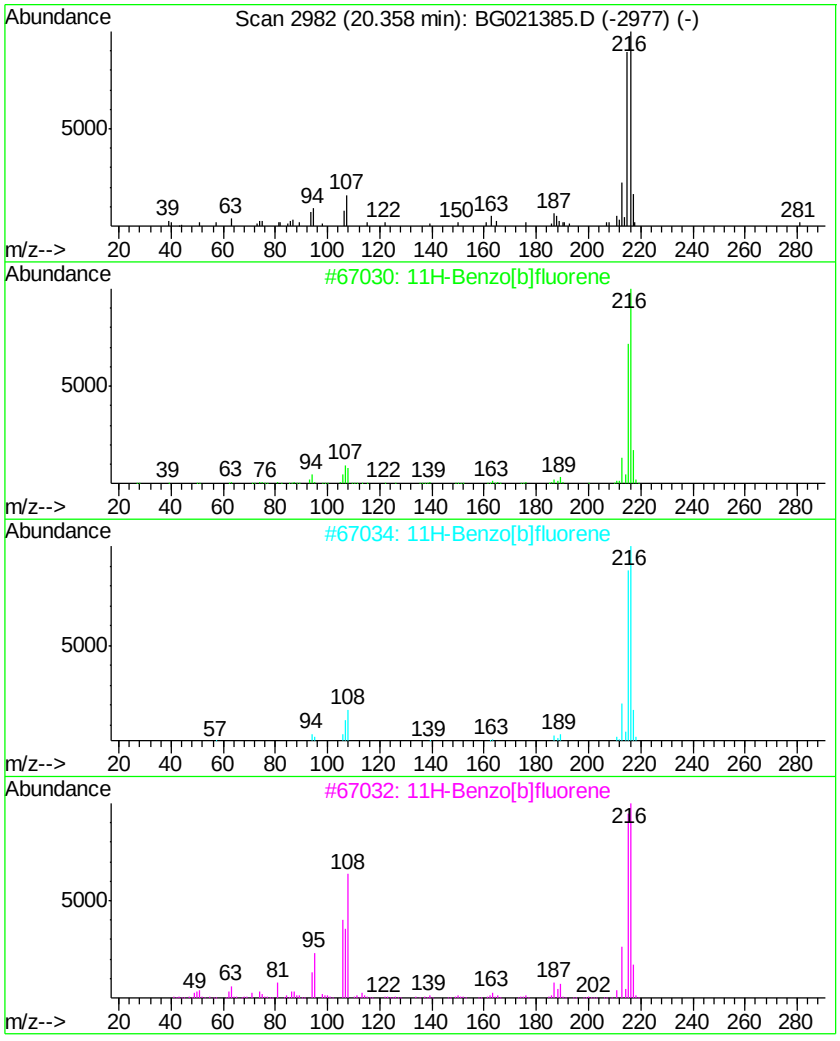
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

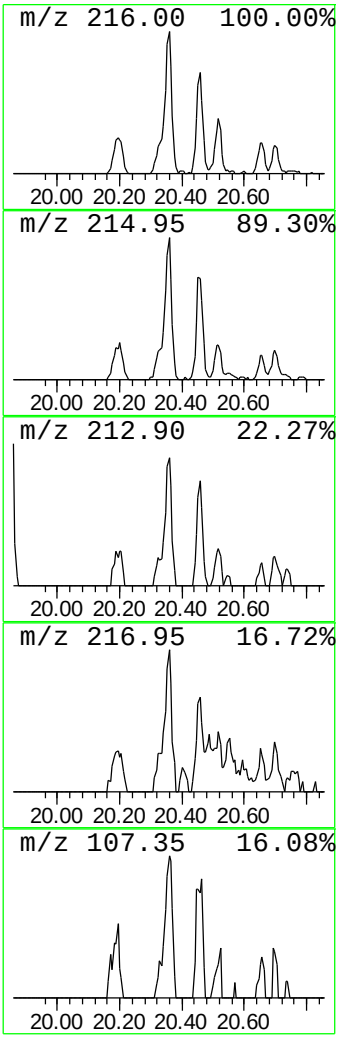
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	2.71 ng/ul	63611	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021385.D
Acq On : 9 Mar 2016 3:05
Operator : UM/SJ
Sample : H1655-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-H280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

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

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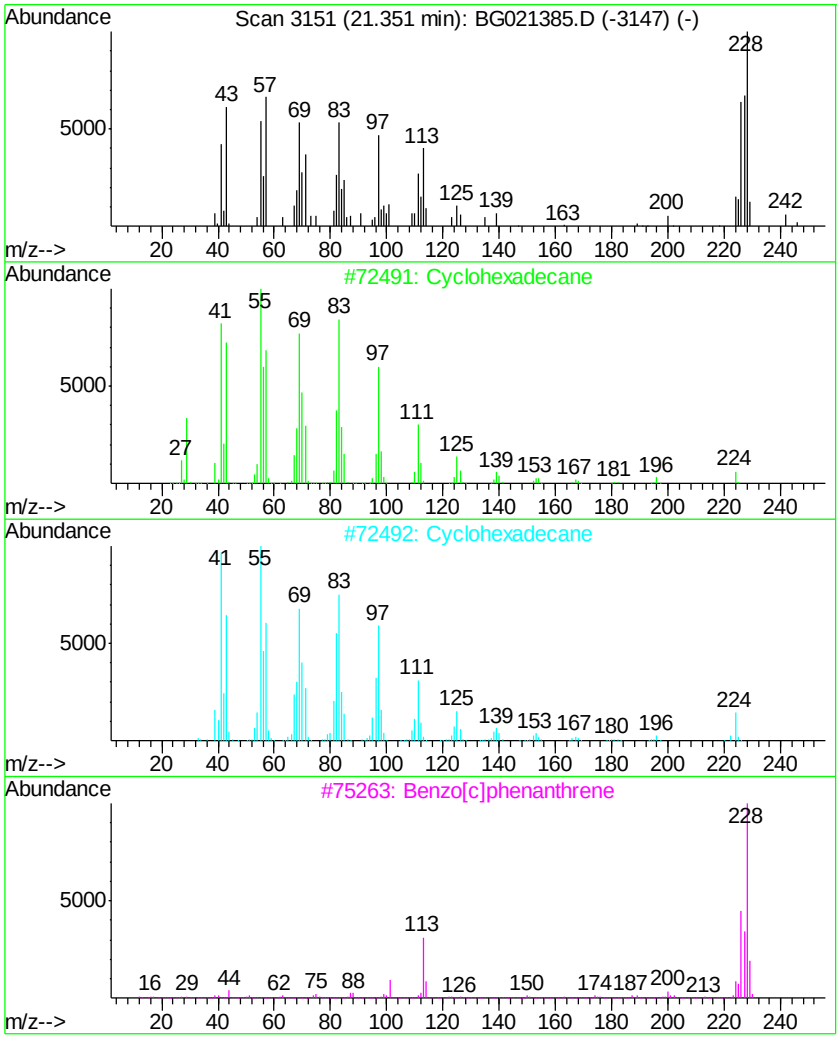
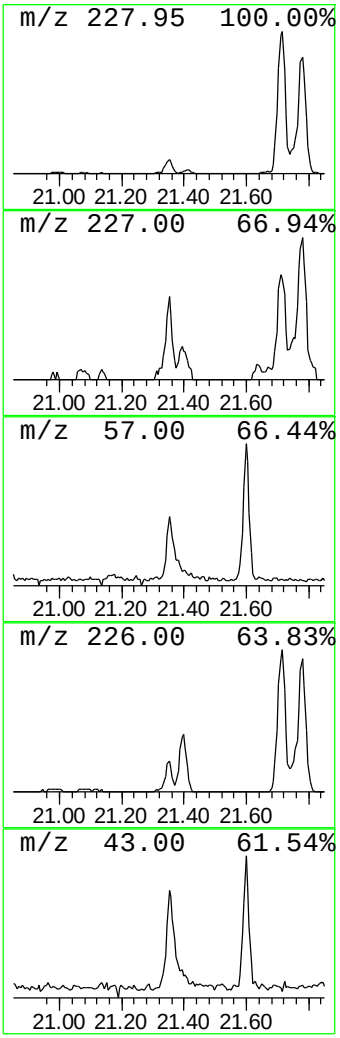
Peak Number 6 (DEL) Alkane: Cyclic21.35 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.35	2.37 ng/ul	55596	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	47
2	Cyclohexadecane	224	C16H32	000295-65-8	43
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	35
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	35





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021385.D
Acq On : 9 Mar 2016 3:05
Operator : UM/SJ
Sample : H1655-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-H280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

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

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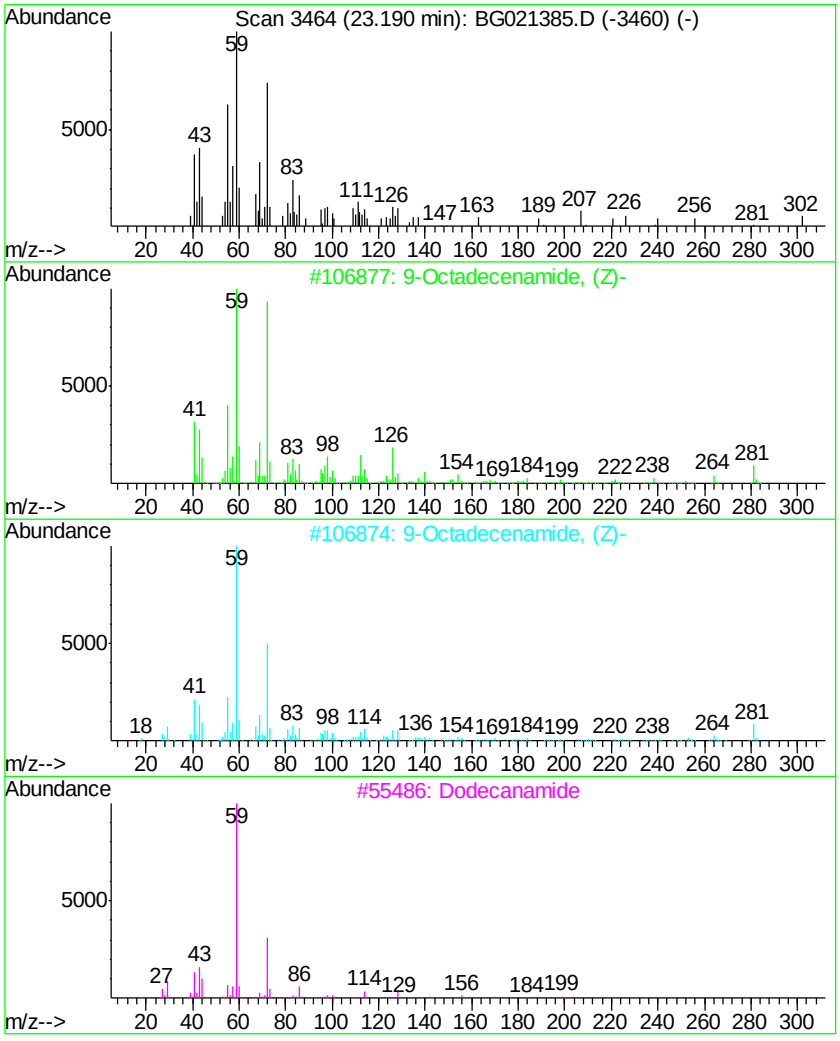
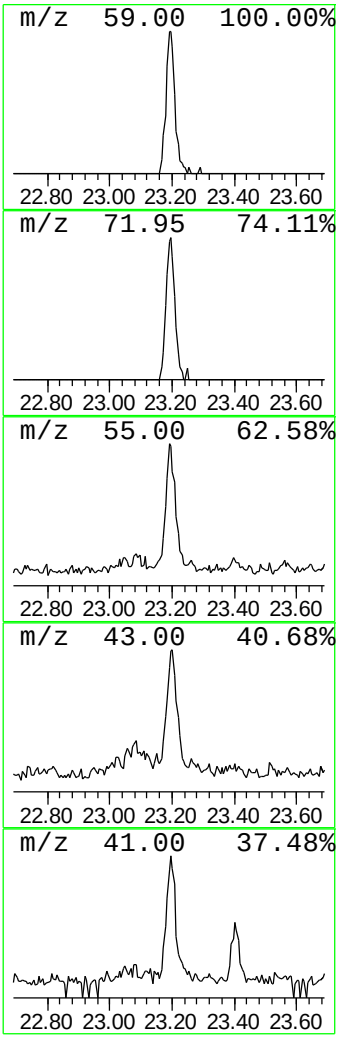
Peak Number 7 9-Octadecenamide, (Z)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.19	2.74 ng/ul	64430	Chrysene-d12	21.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	72
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	64
3	Dodecanamide	199	C12H25NO	001120-16-7	47
4	Mannosamine hydrochloride	179	C6H13NO5	1000127-68-8	43
5	1,1,2-Trimethyl-1-silacyclobutane	114	C6H14Si	030681-90-4	35





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021385.D
Acq On : 9 Mar 2016 3:05
Operator : UM/SJ
Sample : H1655-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-H280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION

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

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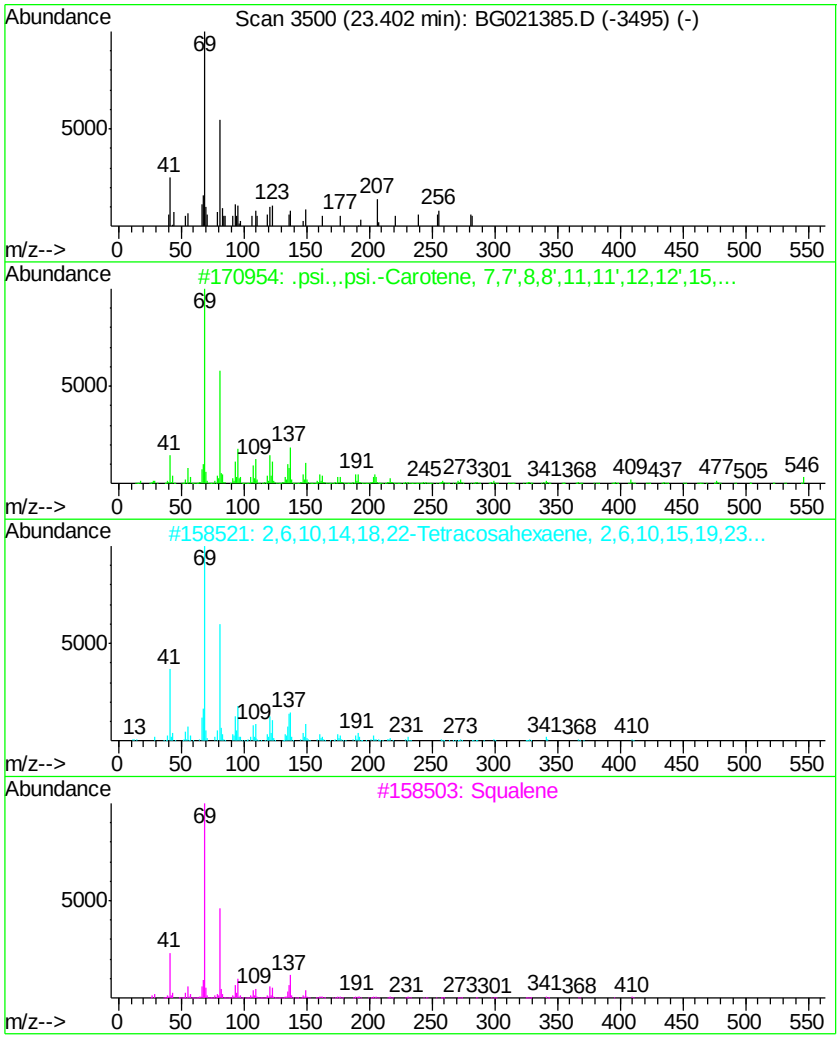
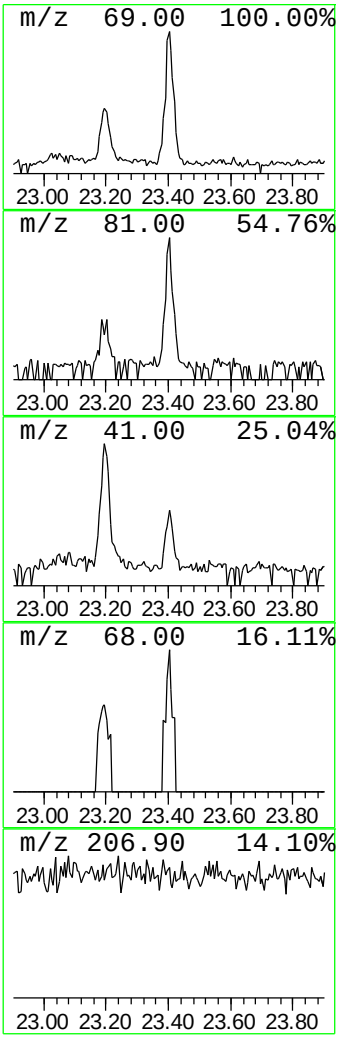
Peak Number 8 .psi.,.psi.-Carotene, 7,7',... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.40	2.21 ng/ul	26523	Perylene-d12	24.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.psi.,.psi.-Carotene, 7,7',8,8',...	547	C40H66	000502-62-5	59
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	59
3	Squalene	410	C30H50	007683-64-9	53
4	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	53
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	000106-28-5	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021385.D
Acq On : 9 Mar 2016 3:05
Operator : UM/SJ
Sample : H1655-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-H280

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.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
Anthracene, 1-met...	18.34	4.3	ng/ul	45969	4	17.47	211115	20.0
Phenanthrene, 2-m...	18.39	4.2	ng/ul	43813	4	17.47	211115	20.0
4H-Cyclopenta[def...	18.54	5.9	ng/ul	61835	4	17.47	211115	20.0
9,10-Anthracenedione	18.88	2.3	ng/ul	23814	4	17.47	211115	20.0
11H-Benzo[b]fluorene	20.36	2.7	ng/ul	63611	5	21.73	470132	20.0
(DEL) Alkane: Cyc...	21.35	2.4	ng/ul	55596	5	21.73	470132	20.0
9-Octadecenamide,...	23.19	2.7	ng/ul	64430	5	21.73	470132	20.0
.psi.,.psi.-Carot...	23.40	2.2	ng/ul	26523	6	24.98	239960	20.0