LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

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-BG091015.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	2.880	3	7	19	rVB2	51996	101116	2.15%	0.252%
2	3.097	37	44	52	rBV2	95766	214359	4.55%	0.534%
3	3.174	52	57	73	rVB	1095658	1667210	35.40%	4.157%
4	3.955	186	190	196	rBV2	11570	15508	0.33%	0.039%
5	7.163	728	736	743	rVV	61919	114223	2.43%	0.285%
6	7.316	756	762	770	rBV	49732	81660	1.73%	0.204%
7	7.528	792	798	806	rBV	65131	110307	2.34%	0.275%
8	7.992	867	877	885	rBV	193248	329331	6.99%	0.821%
9	8.538	966	970	975	rBV5	6035	12262	0.26%	0.031%
10	8.703	991	998	1007	rVV	82433	143773	3.05%	0.358%
11	8.808	1010	1016	1024	rVB3	7324	15901	0.34%	0.040%
12	9.149	1068	1074	1080	rVV2	54860	97274	2.07%	0.243%
13	9.678	1160	1164	1168	rBV3	8233	12257	0.26%	0.031%
14	9.872	1191	1197	1204	rBV2	46174	84955	1.80%	0.212%
15	10.189	1245	1251	1255	rBV9	6998	16004	0.34%	0.040%
16	10.418	1284	1290	1298	rVV	94911	168393	3.58%	0.420%
17	10.794	1343	1354	1359	rBV	285234	520459	11.05%	1.298%
18	10.841	1359	1362	1369	rVV	41343	73038	1.55%	0.182%
19	10.935	1373	1378	1386	rVV5	12493	28266	0.60%	0.070%
20	11.811	1521	1527	1532	rBV5	8663	16031	0.34%	0.040%
21	12.199	1586	1593	1599	rBV6	9590	16164	0.34%	0.040%
22	12.445	1629	1635	1643	rVB	37219	63029	1.34%	0.157%
23	12.663	1665	1672	1679	rBV	23511	44721	0.95%	0.112%
24	13.432	1798	1803	1812	rBV3	15886	26956	0.57%	0.067%
25	13.779	1857	1862	1864	rBV4	11438	18264	0.39%	0.046%
26	13.938	1883	1889	1894	rVV2	22918	41411	0.88%	0.103%
27	14.014	1894	1902	1907	rVV	171956	285054	6.05%	0.711%
28	14.061	1907	1910	1918	rVB	67300	114158	2.42%	0.285%
29	14.173	1926	1929	1933	rBV2	13615	15681	0.33%	0.039%
30	14.308	1947	1952	1955	rBV	133530	214711	4.56%	0.535%
31	14.343	1955	1958	1972	rVB	111436	233303	4.95%	0.582%
32	14.502	1981	1985	1990	rVB2	17611	20979	0.45%	0.052%
33	14.613	1995	2004	2011	rBV3	469566	787777	16.73%	1.964%
34	14.678	2011	2015	2021	rVV2	48660	77449	1.64%	0.193%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

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-BG091015.M
Title : SVOA CALIBRATION

35	14.825	2034	2040	2048	rBV2	55656	105423	2.24%	0.263%
36	14.901	2048	2053	2055	rBV5	8417	11486	0.24%	0.029%
37	15.013	2066	2072	2079	rBV	41355	67711	1.44%	0.169%
38	15.083	2081	2084	2088	rVV2	15681	19894	0.42%	0.050%
39	15.230	2104	2109	2113	rVB4	17444	28174	0.60%	0.070%
40	15.283	2113	2118	2124	rVB7	10843	16585	0.35%	0.041%
41	15.401	2132	2138	2142	rBV6	22220	43304	0.92%	0.108%
42	15.448	2142	2146	2149	rVB3	23727	30288	0.64%	0.076%
43	15.483	2149	2152	2156	rBV4	8908	13638	0.29%	0.034%
44	15.606	2168	2173	2177	rVV2	116338	177730	3.77%	0.443%
45	15.659	2177	2182	2188	rVV2	48054	84360	1.79%	0.210%
46	15.724	2189	2193	2199	rVB5	18563	24765	0.53%	0.062%
47	15.859	2212	2216	2221	rBV5	16472	28802	0.61%	0.072%
48	15.953	2228	2232	2238	rVB4	24750	45191	0.96%	0.113%
49	16.100	2253	2257	2264	rVB3	28842	54004	1.15%	0.135%
50	16.335	2288	2297	2302	rBV3	102178	219264	4.66%	0.547%
51	16.464	2315	2319	2321	rBV5	17981	24711	0.52%	0.062%
52	16.887	2387	2391	2395	rBV4	26213	42847	0.91%	0.107%
53	16.928	2395	2398	2407	rVB5	43165	89092	1.89%	0.222%
54	17.011	2407	2412	2417	rBV4	41451	67633	1.44%	0.169%
55	17.099	2422	2427	2432	rVB5	58851	95114	2.02%	0.237%
56	17.157	2432	2437	2438	rBV4	24853	35039	0.74%	0.087%
57	17.246	2448	2452	2459	rBV10	14602	36021	0.76%	0.090%
58	17.357	2465	2471	2475	rBV	589676	925812	19.66%	2.308%
59	17.398	2475	2478	2484	rVV	484172	680175	14.44%	1.696%
60	17.451	2485	2487	2489	rVV2	29151	33051	0.70%	0.082%
61	17.492	2489	2494	2498	rVV	227344	352640	7.49%	0.879%
62	17.539	2498	2502	2508	rVB3	40867	79775	1.69%	0.199%
63	17.727	2531	2534	2535	rBV3	22526	24055	0.51%	0.060%
64	17.757	2535	2539	2542	rVV	96054	128305	2.72%	0.320%
65	17.839	2550	2553	2556	rVB2	46568	47783	1.01%	0.119%
66	17.874	2557	2559	2563	rVV2	17239	16061	0.34%	0.040%
67	18.233	2616	2620	2624	rBV2	113015	173410	3.68%	0.432%
68	18.280	2624	2628	2632	rVB	117925	171692	3.65%	0.428%
69	18.356	2638	2641	2647	rVB2	61795	86144	1.83%	0.215%
70	18.421	2647	2652	2657	rBV2	155012	317133	6.73%	0.791%
71	18.532	2667	2671	2676	rBV4	61234	85975	1.83%	0.214%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

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-BG091015.M
Title : SVOA CALIBRATION

72	18.579	2676	2679	2682	rBV5	29734	43318	0.92%	0.108%
73	18.726	2701	2704	2708	rVB	74736	81830	1.74%	0.204%
74	18.773	2708	2712	2717	rVB2	60100	86973	1.85%	0.217%
75	18.973	2743	2746	2750	rBV4	39503	49701	1.06%	0.124%
76	19.061	2758	2761	2764	rVB2	53002	66328	1.41%	0.165%
77	19.143	2770	2775	2780	rBV2	174855	343451	7.29%	0.856%
78	19.284	2795	2799	2806	rBV	154698	246188	5.23%	0.614%
79	19.408	2814	2820	2826	rBV	2039940	2970838	63.08%	7.407%
80	19.555	2842	2845	2849	rBV2	78373	109700	2.33%	0.274%
81	19.737	2871	2876	2878	rBV3	480515	739185	15.70%	1.843%
82	19.772	2878	2882	2889	rVV	2086048	3010669	63.93%	7.507%
83	19.837	2889	2893	2899	rVB2	170222	282844	6.01%	0.705%
84	20.007	2918	2922	2928	rVB	165640	270604	5.75%	0.675%
85	20.095	2931	2937	2942	rBV4	306311	749100	15.91%	1.868%
86	20.230	2954	2960	2961	rBV2	271203	472589	10.03%	1.178%
87	20.418	2985	2992	2996	rBV2	378348	733388	15.57%	1.829%
88	20.454	2996	2998	3001	rVB	113387	120197	2.55%	0.300%
89	20.559	3012	3016	3019	rBV	310948	410877	8.72%	1.024%
90	20.601	3021	3023	3027	rVB2	188825	220937	4.69%	0.551%
91	20.712	3040	3042	3046	rVB3	166557	173159	3.68%	0.432%
92	21.018	3090	3094	3101	rVB	479824	684049	14.53%	1.706%
93	21.247	3129	3133	3136	rVV2	275708	381498	8.10%	0.951%
94	21.294	3137	3141	3145	rVB2	275317	436843	9.28%	1.089%
95	21.605	3188	3194	3200	rBV3	1578737	3787494	80.42%	9.444%
96	21.664	3201	3204	3217	rVB	1339786	2369065	50.30%	5.907%
97	23.808	3560	3569	3575	rBV2	1464763	4709452	100.00%	11.742%
98	24.519	3682	3690	3704	rVB	925930	2758590	58.58%	6.878%
99	24.666	3706	3715	3725	rVB	1014244	2895289	61.48%	7.219%
100	24.813	3734	3740	3746	rVB	276136	637549	13.54%	1.590%

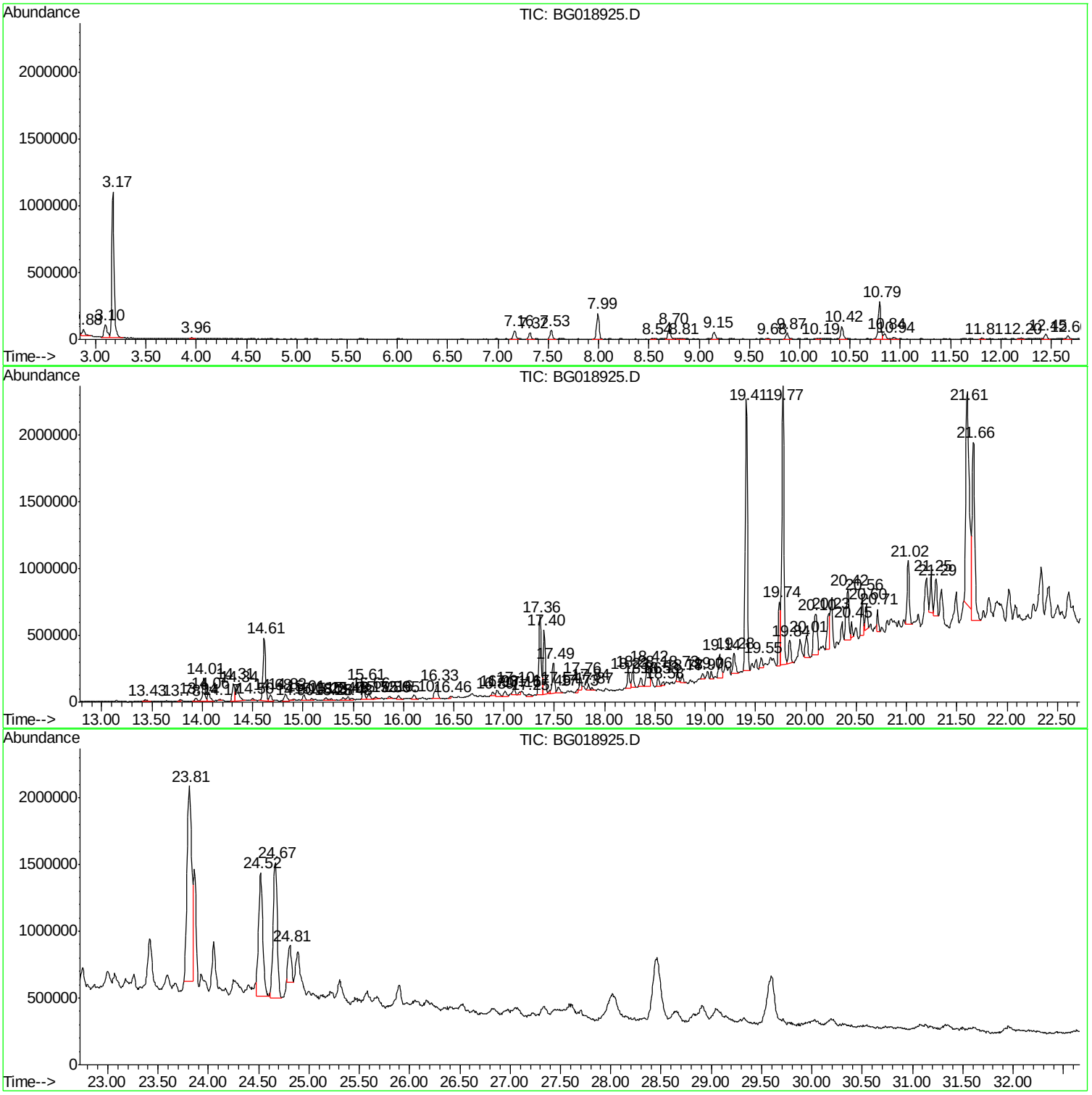
Sum of corrected areas: 40106776

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.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\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

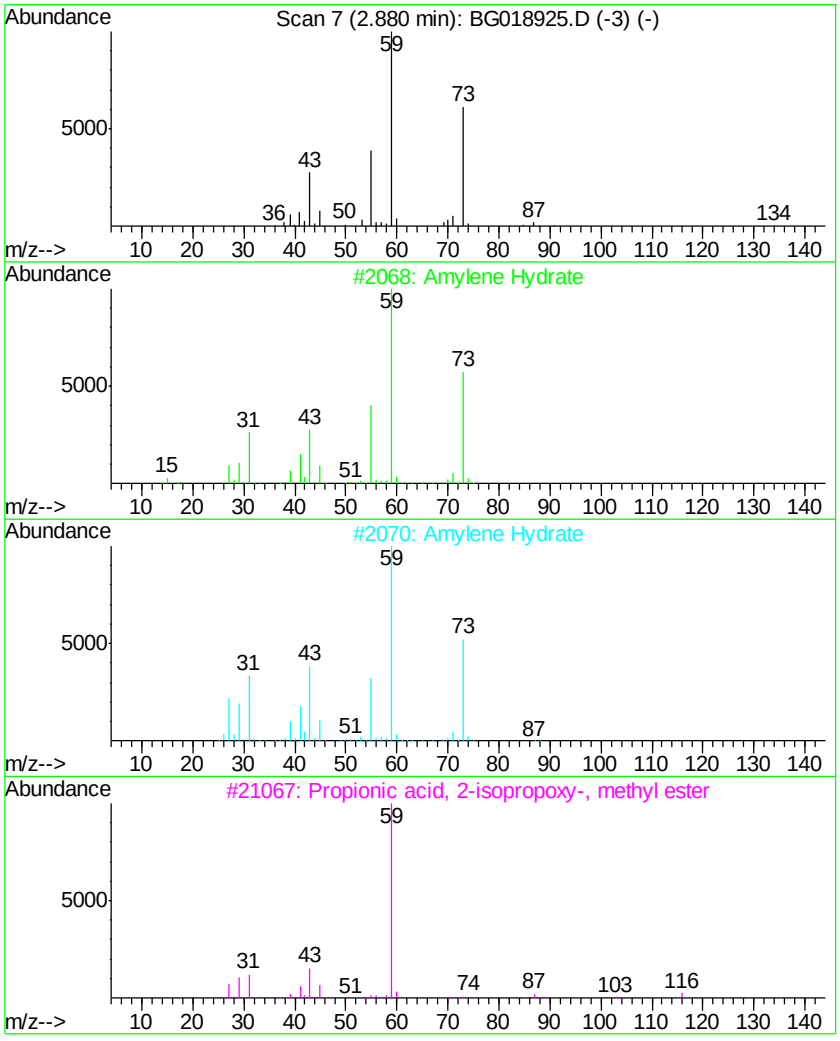
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

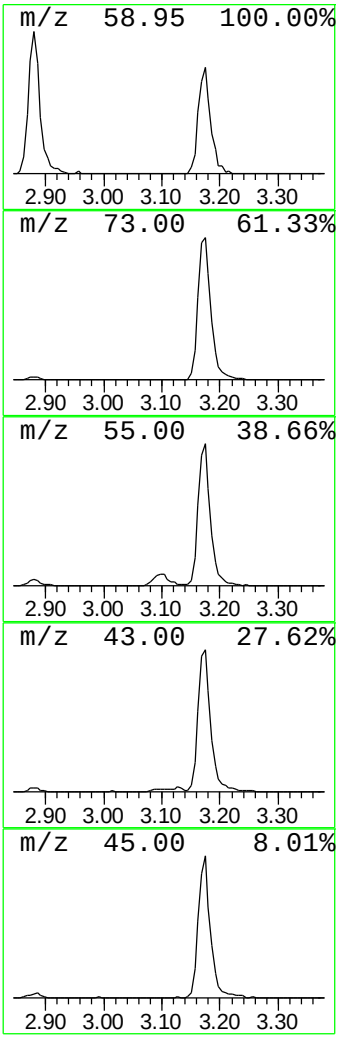
****

Peak Number 1 Amylene Hydrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	6.14 ng/ul	101116	1,4-Dichlorobenzene-d4	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	78
2	Amylene Hydrate	88	C5H12O	000075-85-4	64
3	Propionic acid, 2-isopropoxy-, m...	146	C7H14O3	1000151-15-1	45
4	Amylene Hydrate	88	C5H12O	000075-85-4	39
5	Butanamide	87	C4H9NO	000541-35-5	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

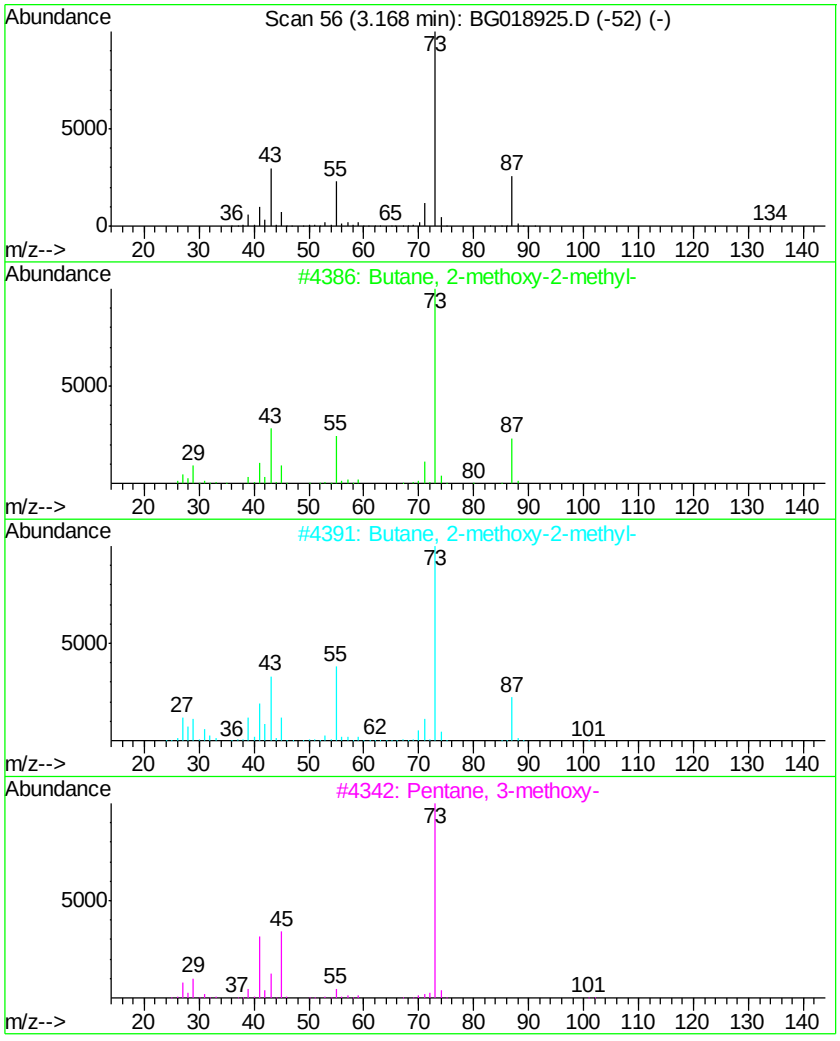
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

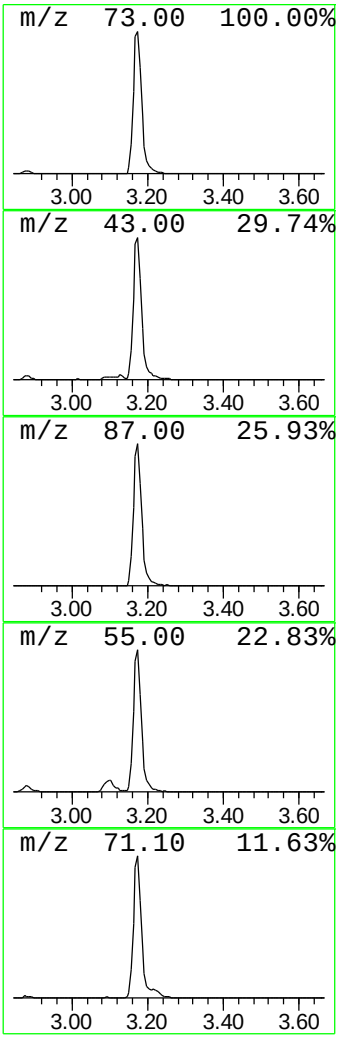
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	101.25 ng/ul	1667210	1,4-Dichlorobenzene-d4	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

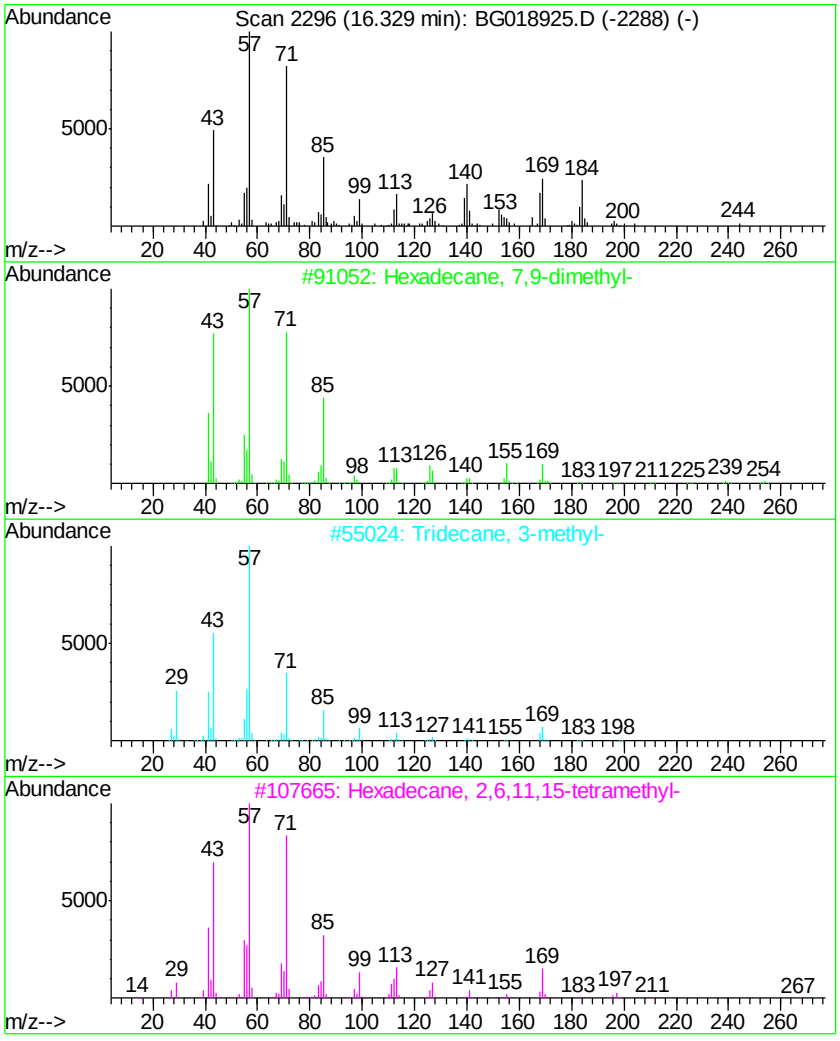
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

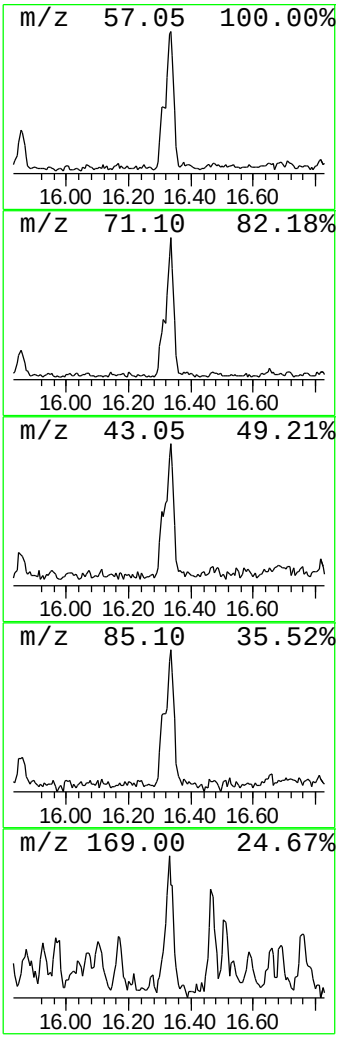
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	4.74 ng/ul	219264	Phenanthrene-d10	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	47
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	47
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	47
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	46
5	Decane, 2-methyl-	156	C11H24	006975-98-0	45





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

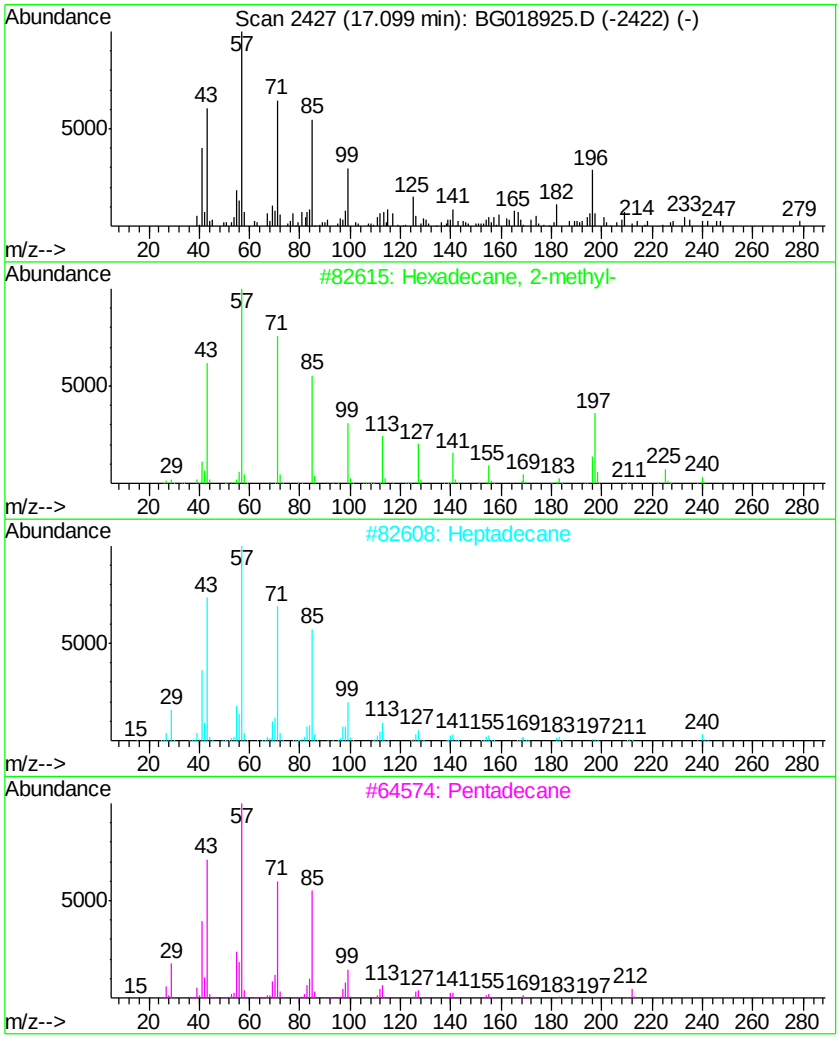
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

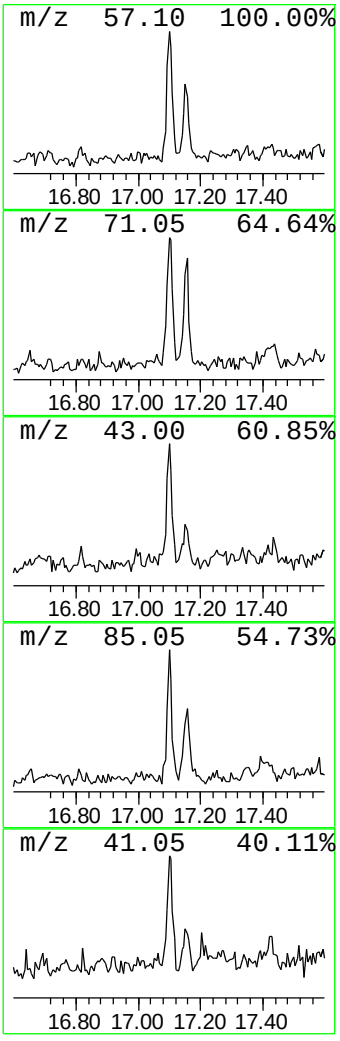
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	2.05 ng/ul	95114	Phenanthrene-d10	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	68
2	Heptadecane	240	C17H36	000629-78-7	53
3	Pentadecane	212	C15H32	000629-62-9	49
4	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	49
5	Hexadecane	226	C16H34	000544-76-3	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

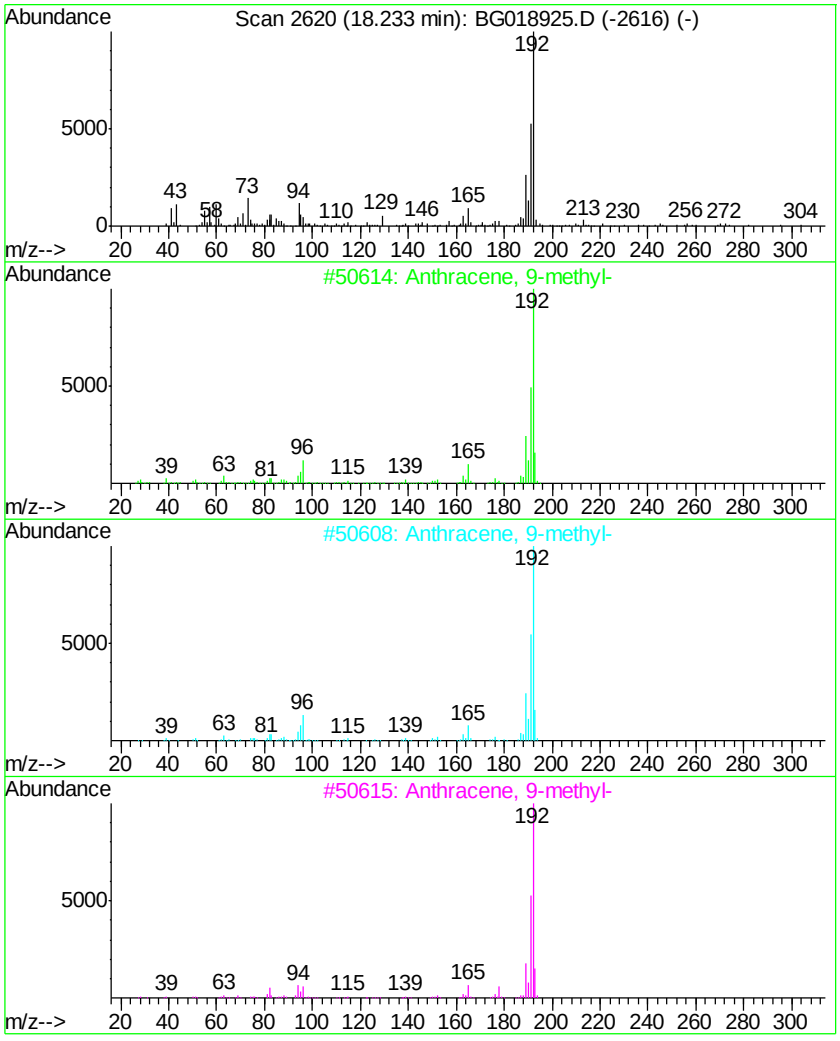
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

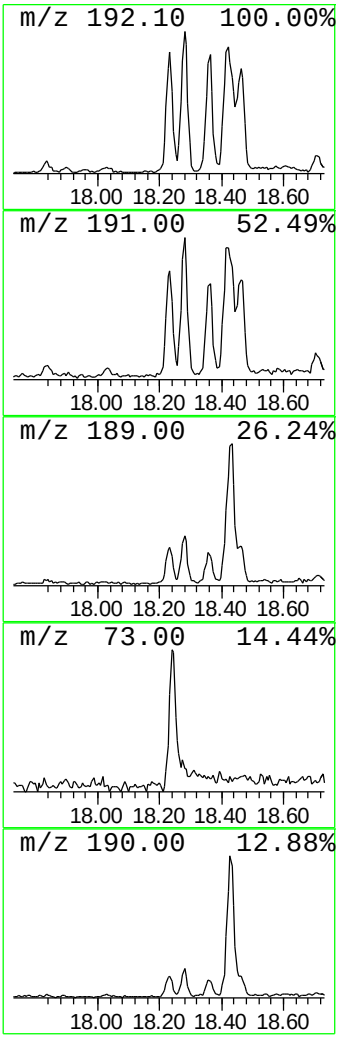
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.75 ng/ul	173410	Phenanthrene-d10	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

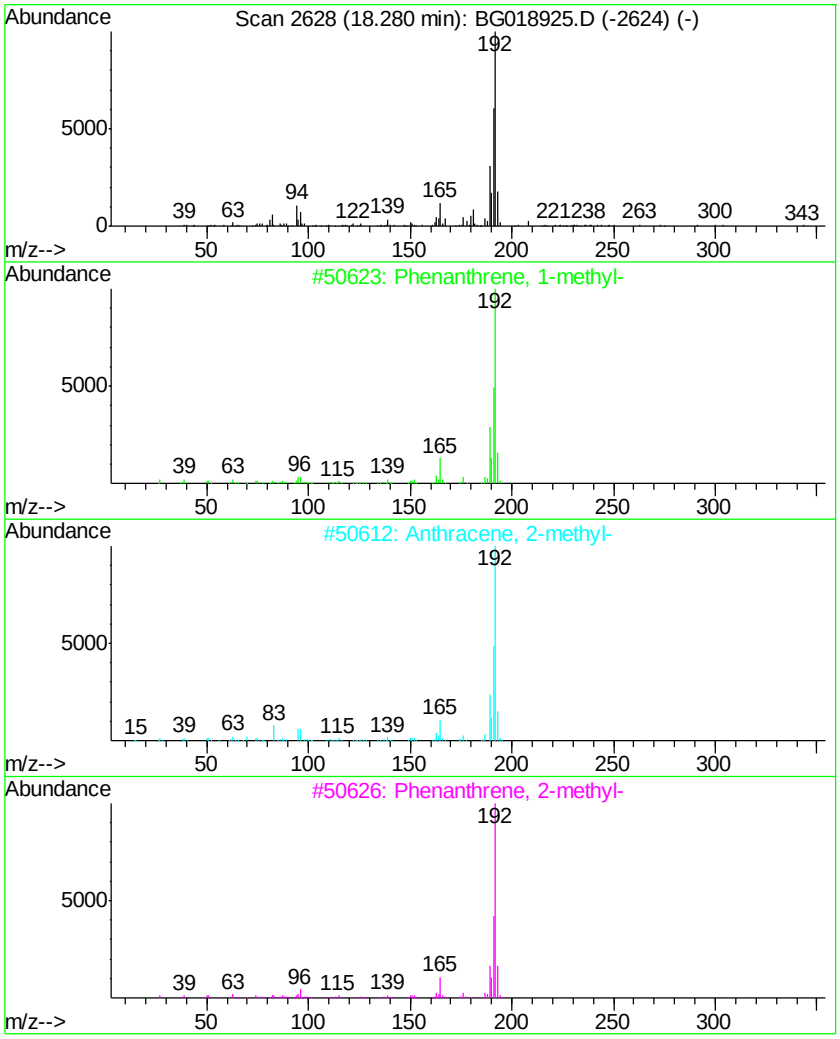
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

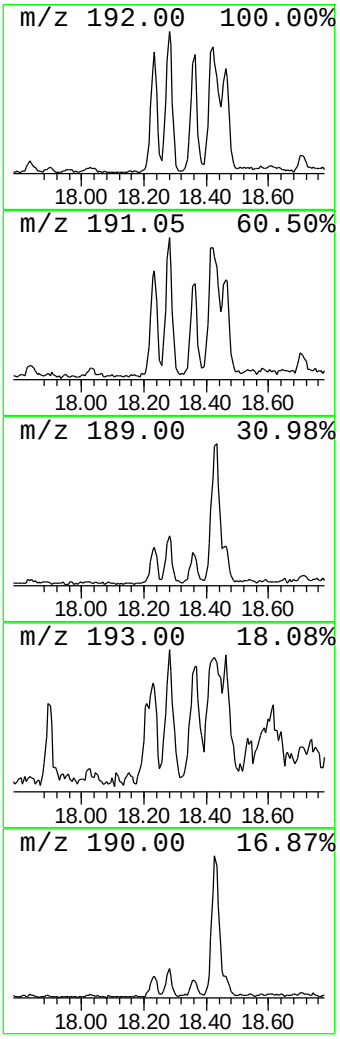
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	3.71 ng/ul	171692	Phenanthrene-d10	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

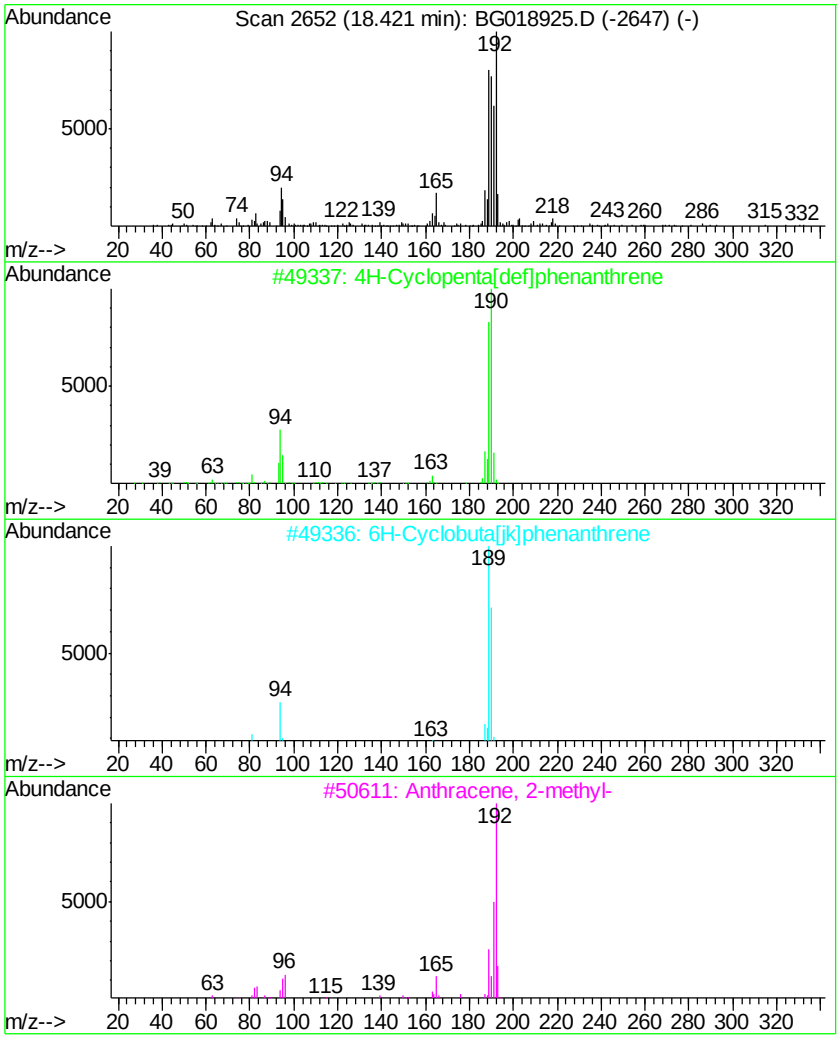
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

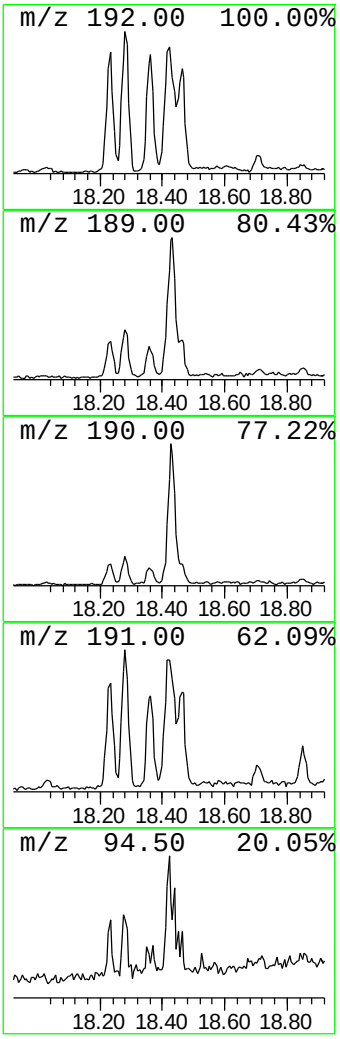
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	6.85 ng/ul	317133	Phenanthrene-d10	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46





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Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

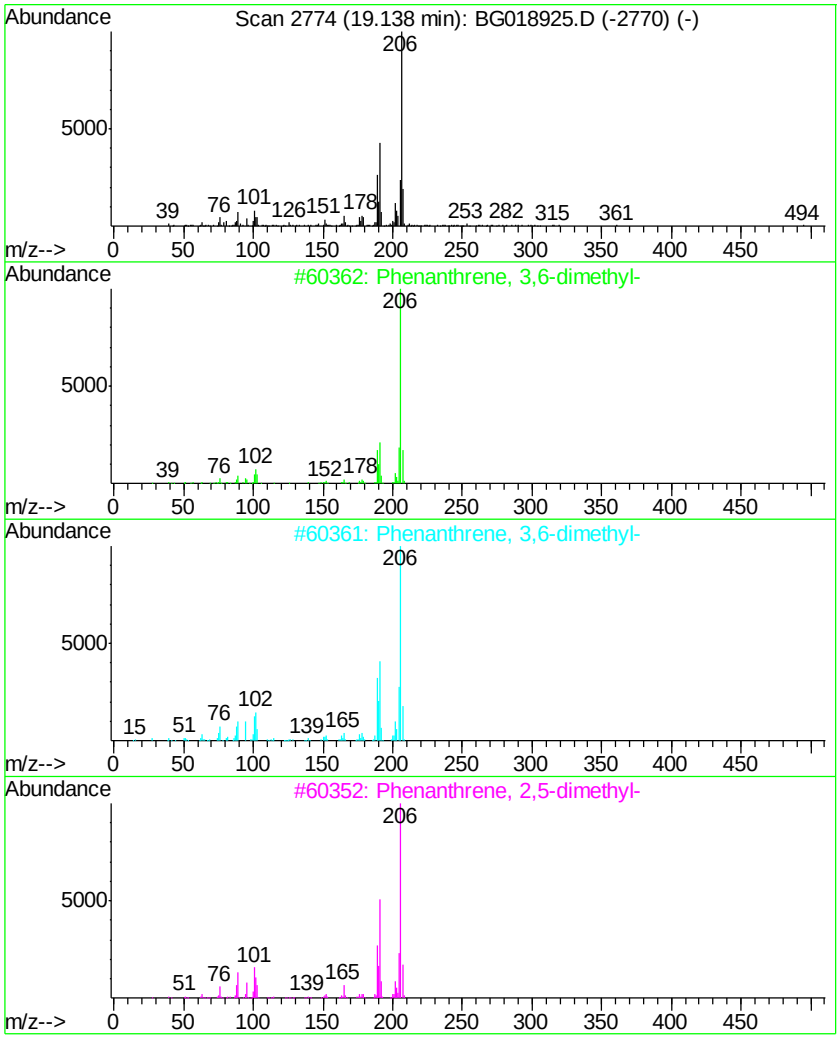
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

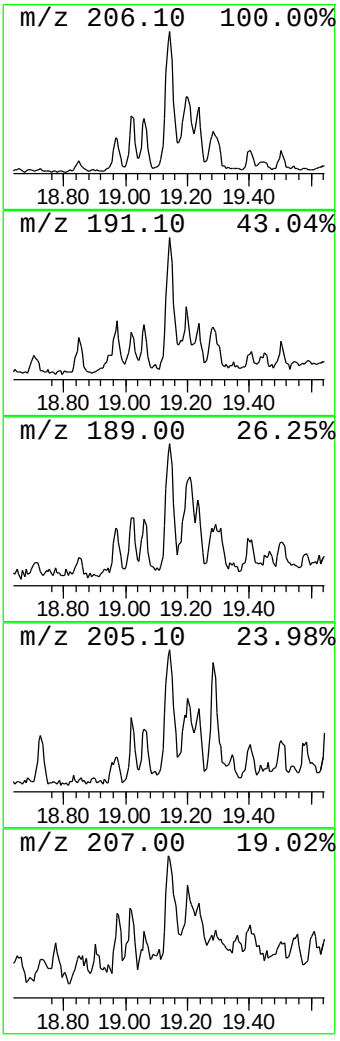
****

Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	7.42 ng/ul	343451	Phenanthrene-d10	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

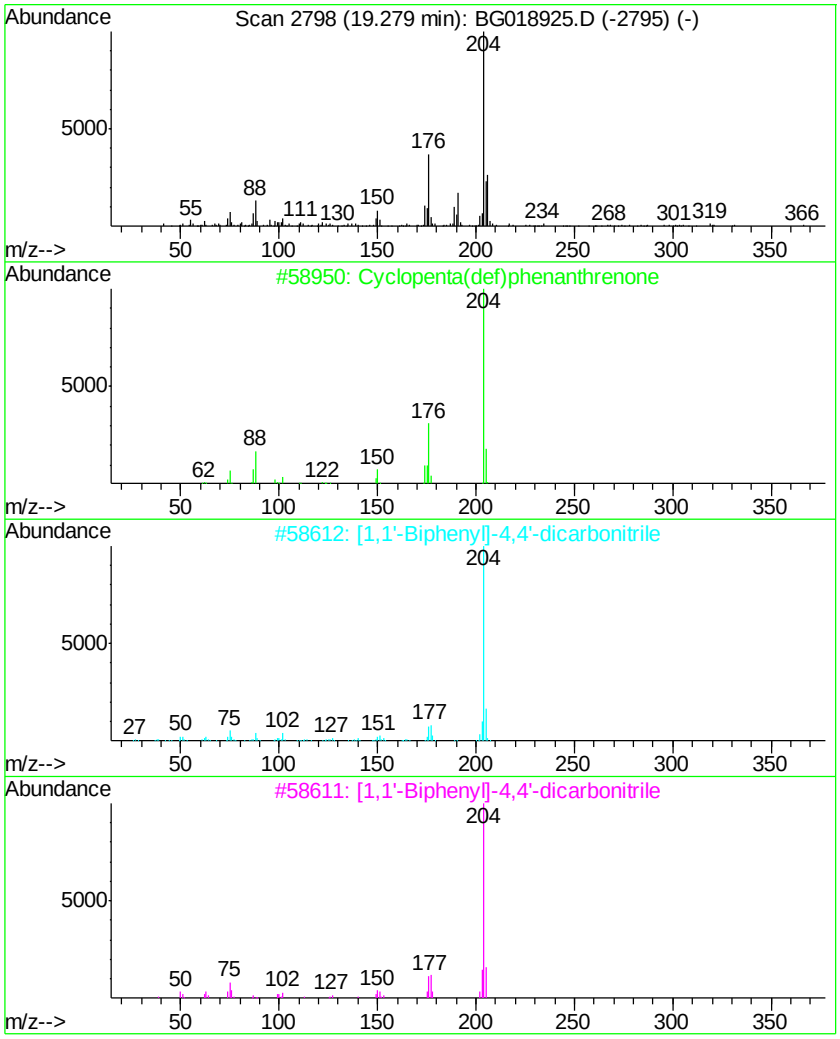
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

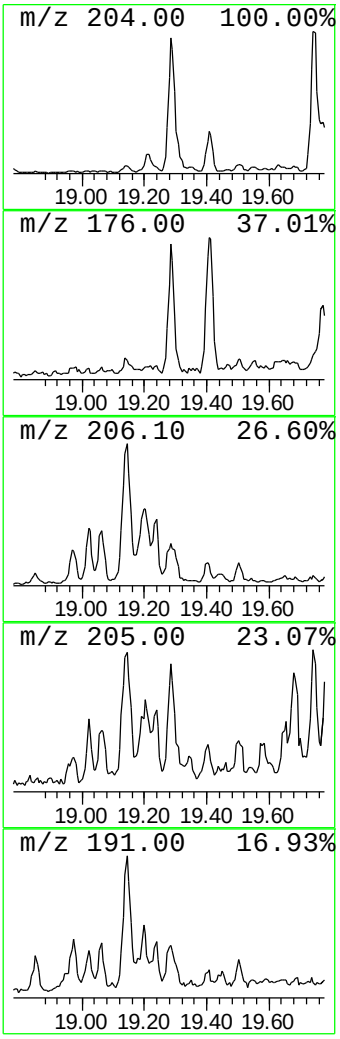
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	5.32 ng/ul	246188	Phenanthrene-d10	17.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

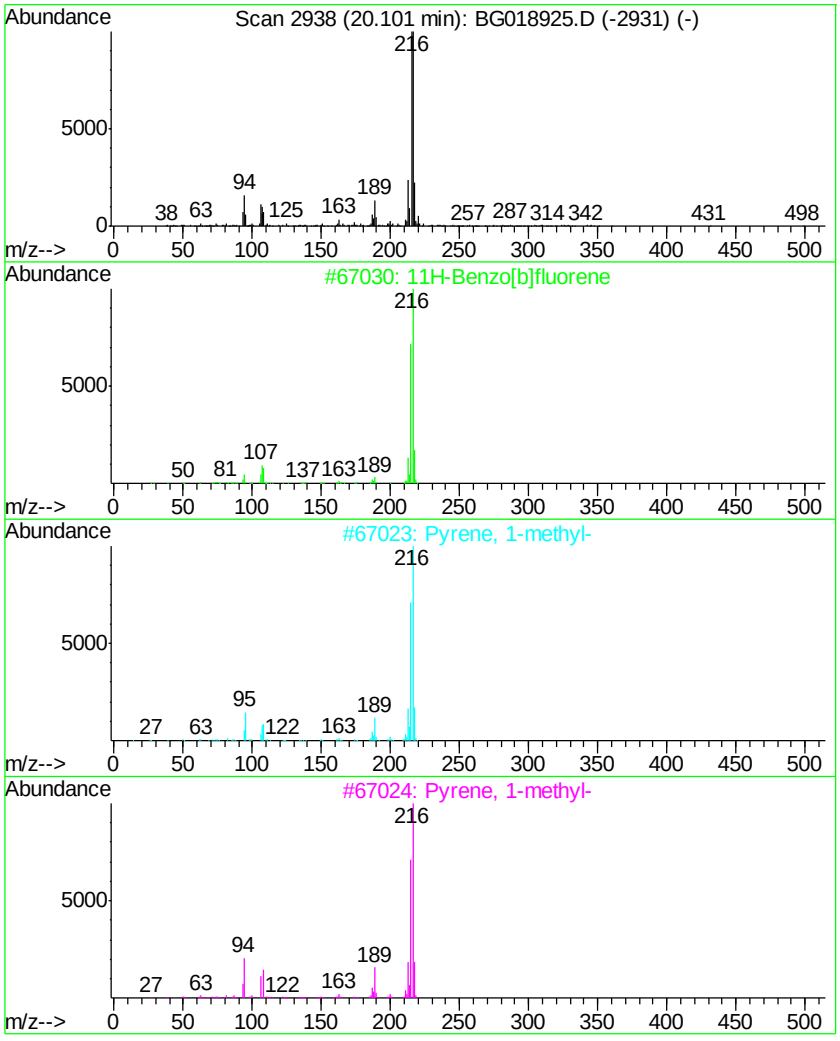
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

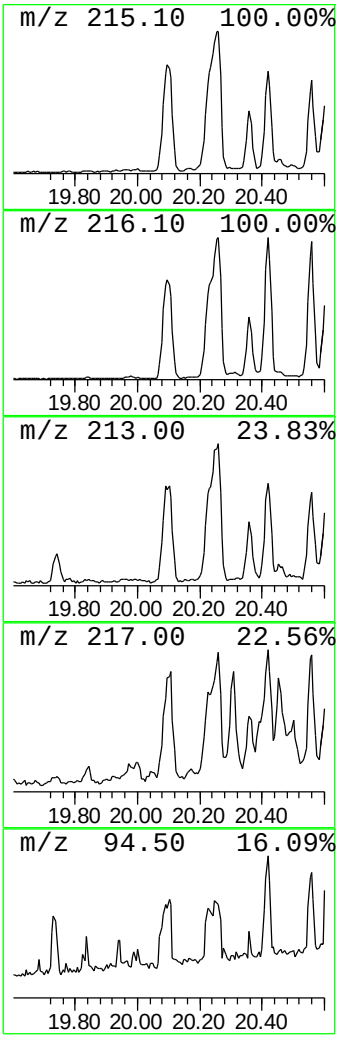
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	3.96 ng/ul	749100	Chrysene-d12	21.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89





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Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

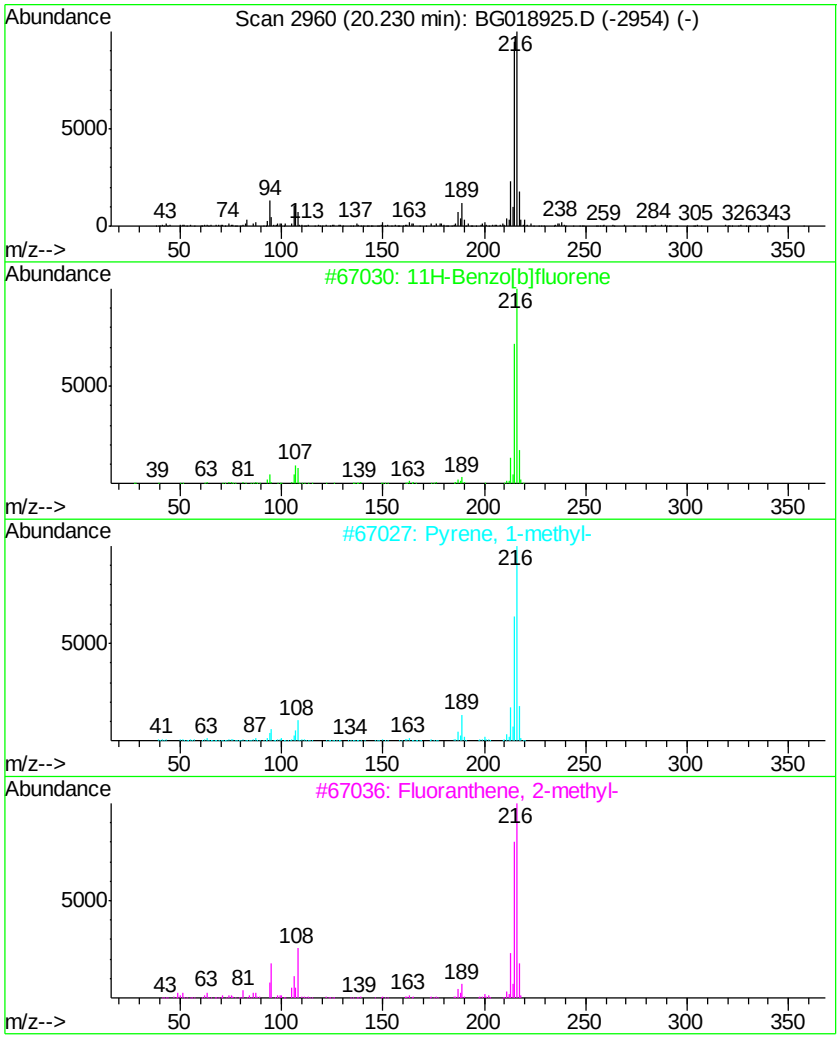
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

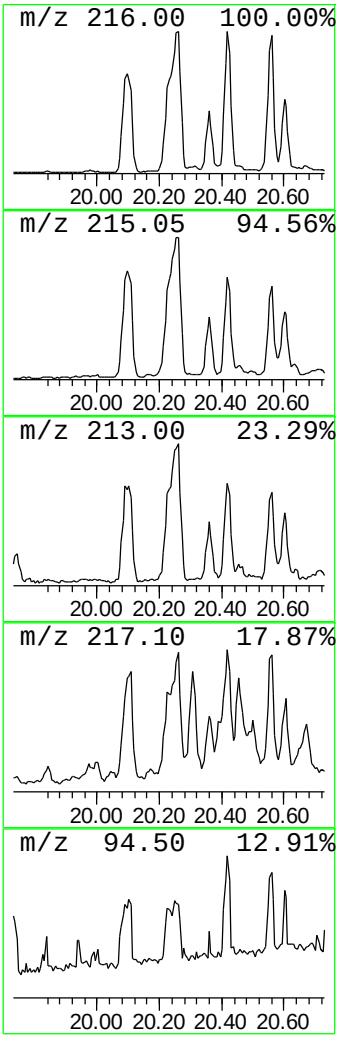
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	2.50 ng/ul	472589	Chrysene-d12	21.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

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

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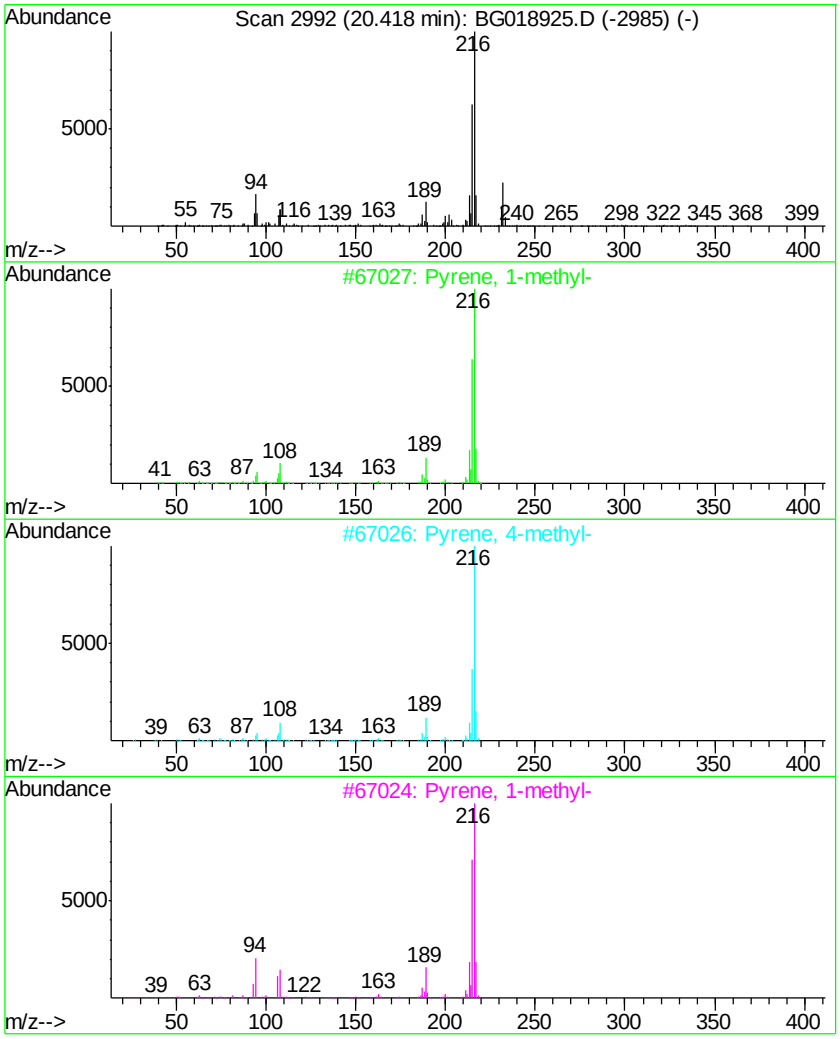
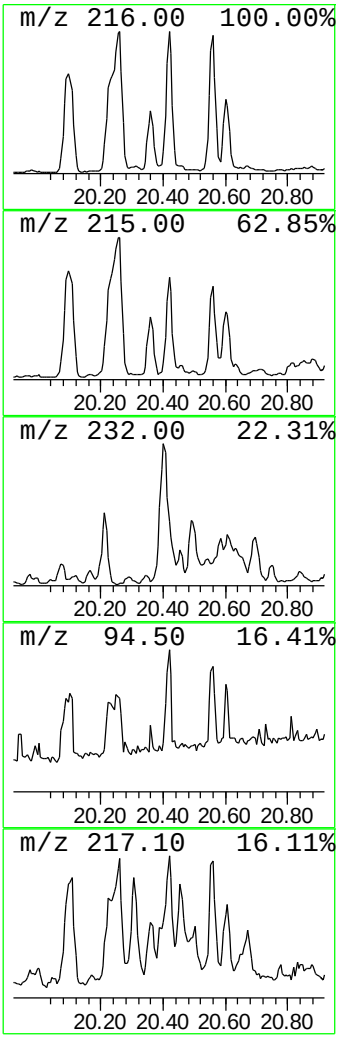
Peak Number 13 Pyrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	3.87 ng/ul	733388	Chrysene-d12	21.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

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

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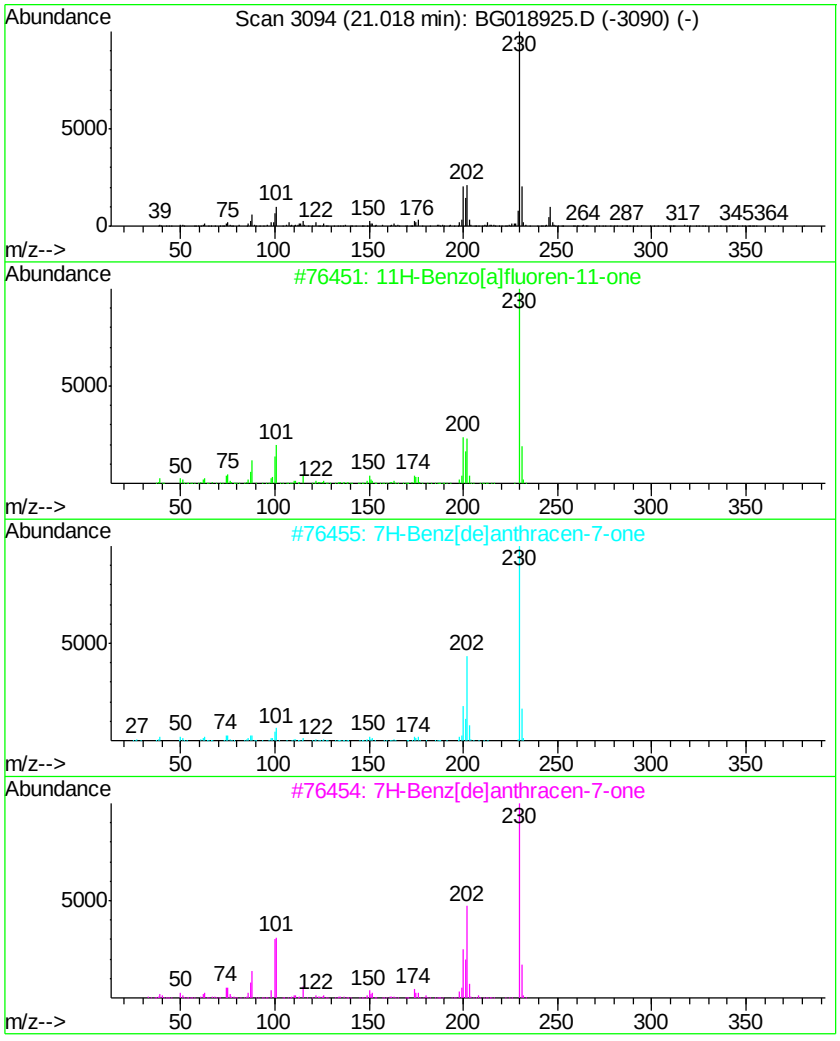
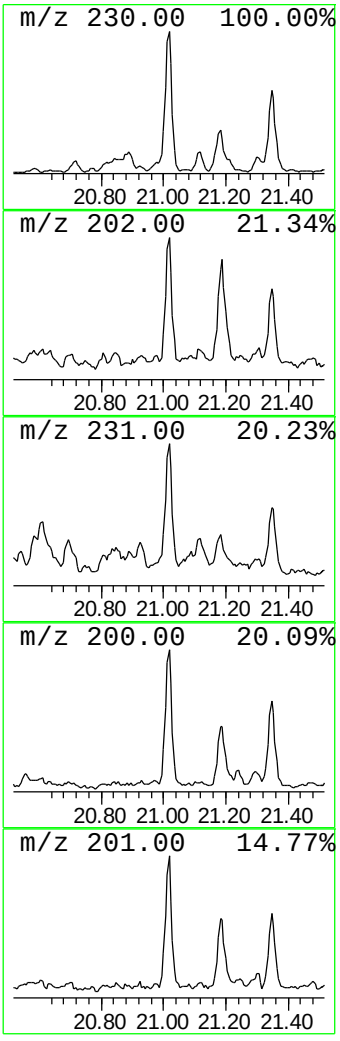
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	3.61 ng/ul	684049	Chrysene-d12	21.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
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	86
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

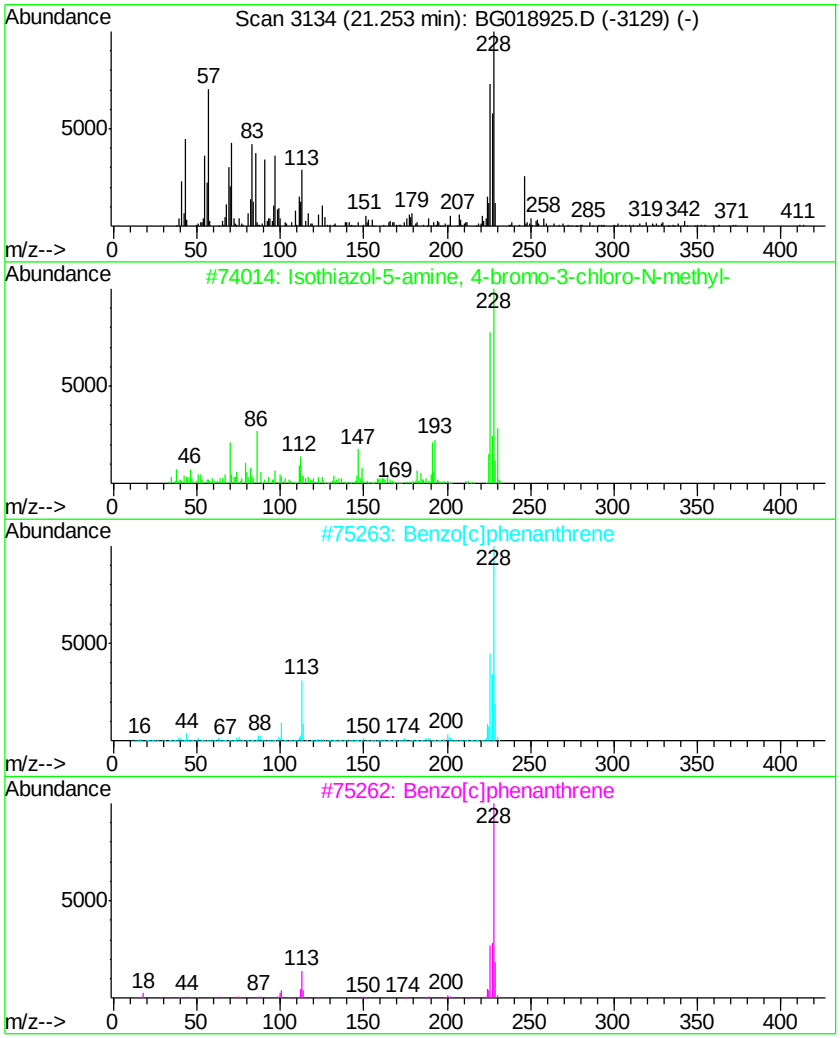
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

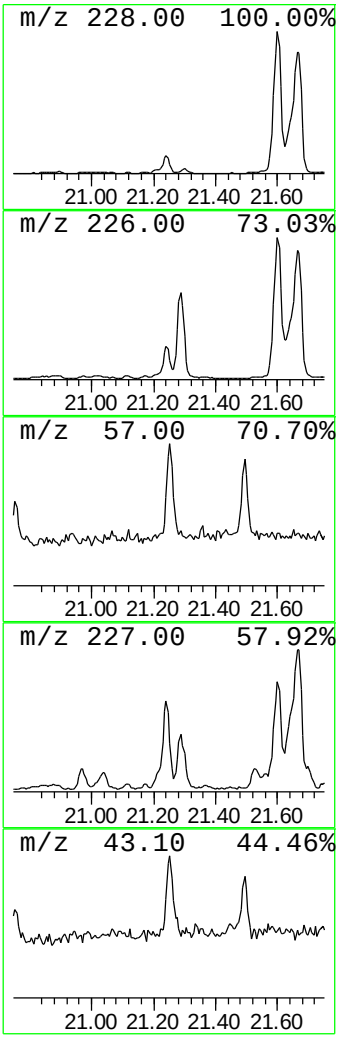
****

Peak Number 16 Isothiazol-5-amine, 4-bromo... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.25	2.01 ng/ul	381498	Chrysene-d12	21.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	58
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
5	Benz[a]anthracene	228	C18H12	000056-55-3	45





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

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

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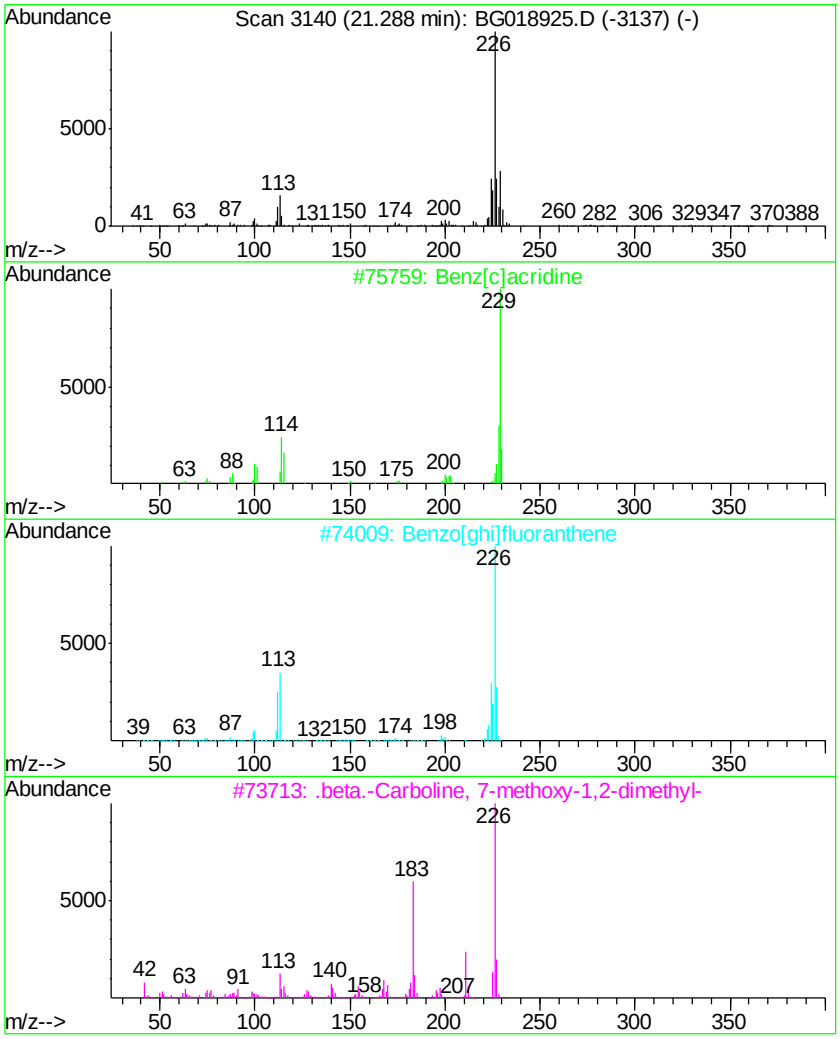
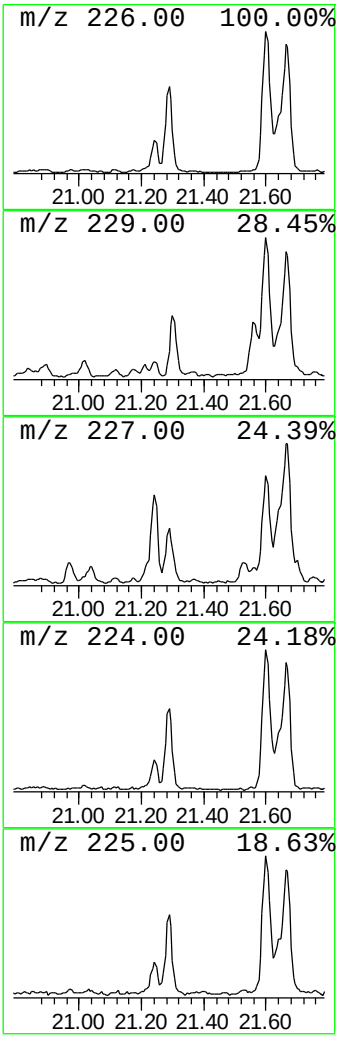
Peak Number 17 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	2.31 ng/ul	436843	Chrysene-d12	21.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	38
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	35
4	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	30
5	Benzo(a)acridine	229	C17H11N	000225-11-6	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092515\
Data File : BG018925.D
Acq On : 26 Sep 2015 22:52
Operator : UM/NP
Sample : G3798-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.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
Amylene Hydrate	2.88	6.1	ng/ul	101116	1	7.99	329331	20.0
Butane, 2-methoxy...	3.17	101.3	ng/ul	1667210	1	7.99	329331	20.0
(DEL) Alkane: Str...	16.33	4.7	ng/ul	219264	4	17.36	925812	20.0
(DEL) Alkane: Str...	17.10	2.0	ng/ul	95114	4	17.36	925812	20.0
Anthracene, 9-met...	18.23	3.8	ng/ul	173410	4	17.36	925812	20.0
Phenanthrene, 1-m...	18.28	3.7	ng/ul	171692	4	17.36	925812	20.0
4H-Cyclopenta[def...	18.42	6.8	ng/ul	317133	4	17.36	925812	20.0
Phenanthrene, 3,6...	19.14	7.4	ng/ul	343451	4	17.36	925812	20.0
Cyclopenta(def)ph...	19.28	5.3	ng/ul	246188	4	17.36	925812	20.0
11H-Benzo[b]fluorene	20.10	4.0	ng/ul	749100	5	21.62	3787490	20.0
Pyrene, 1-methyl-	20.23	2.5	ng/ul	472589	5	21.62	3787490	20.0
Pyrene, 4-methyl-	20.42	3.9	ng/ul	733388	5	21.62	3787490	20.0
11H-Benzo[a]fluor...	21.02	3.6	ng/ul	684049	5	21.62	3787490	20.0
Isothiazol-5-amin...	21.25	2.0	ng/ul	381498	5	21.62	3787490	20.0
unknown-01	21.29	2.3	ng/ul	436843	5	21.62	3787490	20.0