LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

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-BG011216.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	3.050	31	36	46	rBV2	64128	142097	17.40%	1.155%
2	3.132	46	50	57	rVB	112456	156558	19.17%	1.272%
3	7.204	738	743	755	rBV	24677	44112	5.40%	0.358%
4	7.363	764	770	776	rBV	21778	35579	4.36%	0.289%
5	7.574	798	806	815	rVV	27276	47015	5.76%	0.382%
6	8.044	877	886	893	rBV	44494	76662	9.39%	0.623%
7	8.755	1000	1007	1017	rBV	31473	55278	6.77%	0.449%
8	9.213	1078	1085	1094	rBV2	26620	48768	5.97%	0.396%
9	9.936	1203	1208	1217	rBB	24669	41706	5.11%	0.339%
10	10.482	1296	1301	1310	rBV2	37073	65573	8.03%	0.533%
11	10.858	1357	1365	1371	rBV	71041	123455	15.11%	1.003%
12	10.999	1383	1389	1398	rBV	19609	37864	4.64%	0.308%
13	14.078	1905	1913	1917	rVV	87683	127017	15.55%	1.032%
14	14.125	1917	1921	1926	rVV	56002	77635	9.50%	0.631%
15	14.372	1957	1963	1973	rBV	94678	151269	18.52%	1.229%
16	14.683	2004	2016	2022	rVV2	122453	197673	24.20%	1.606%
17	14.901	2047	2053	2063	rBV3	9929	22710	2.78%	0.185%
18	15.670	2178	2184	2189	rBV	135979	194283	23.79%	1.579%
19	15.723	2189	2193	2202	rVB2	9892	18254	2.23%	0.148%
20	15.800	2202	2206	2212	rBV	23075	38040	4.66%	0.309%
21	16.364	2296	2302	2304	rBV	15437	19946	2.44%	0.162%
22	16.393	2304	2307	2318	rVB5	13312	26086	3.19%	0.212%
23	16.951	2394	2402	2405	rBV7	7347	18540	2.27%	0.151%
24	17.086	2419	2425	2429	rVV3	12487	22255	2.72%	0.181%
25	17.157	2433	2437	2443	rVV4	13682	24302	2.98%	0.197%
26	17.427	2477	2483	2487	rBV	176205	268880	32.92%	2.185%
27	17.468	2487	2490	2495	rVV	193955	265771	32.54%	2.159%
28	17.527	2495	2500	2504	rVV	150571	224127	27.44%	1.821%
29	17.562	2504	2506	2511	rVV	20874	22788	2.79%	0.185%
30	17.833	2547	2552	2560	rBV3	16438	38045	4.66%	0.309%
31	18.009	2576	2582	2589	rVB4	17141	32718	4.01%	0.266%
32	18.303	2627	2632	2636	rVV	72978	113135	13.85%	0.919%
33	18.350	2636	2640	2647	rVB	90322	135472	16.59%	1.101%
34	18.432	2647	2654	2659	rBV3	17321	34933	4.28%	0.284%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

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-BG011216.M
Title : SVOA CALIBRATION

35	18.491	2659	2664	2668	rVV2	89699	172486	21.12%	1.401%
36	18.532	2668	2671	2677	rVB	64553	91668	11.22%	0.745%
37	18.602	2677	2683	2688	rBV9	7014	18867	2.31%	0.153%
38	18.696	2694	2699	2703	rVB4	11971	18334	2.24%	0.149%
39	18.796	2711	2716	2720	rBV	42323	64425	7.89%	0.523%
40	18.843	2720	2724	2732	rVB2	57246	95990	11.75%	0.780%
41	19.037	2754	2757	2762	rVV	27378	43488	5.32%	0.353%
42	19.090	2762	2766	2770	rVV	33113	46514	5.69%	0.378%
43	19.131	2770	2773	2780	rVB2	27020	36784	4.50%	0.299%
44	19.213	2781	2787	2791	rBV	101089	166025	20.33%	1.349%
45	19.272	2792	2797	2800	rVV3	41881	89589	10.97%	0.728%
46	19.301	2800	2802	2806	rVB2	28603	34024	4.17%	0.276%
47	19.360	2806	2812	2824	rBV4	49831	127057	15.56%	1.032%
48	19.478	2824	2832	2837	rBV	434500	625181	76.54%	5.080%
49	19.531	2837	2841	2845	rVV	22557	34545	4.23%	0.281%
50	19.572	2845	2848	2853	rVB	25000	34608	4.24%	0.281%
51	19.677	2861	2866	2869	rBV3	16966	25709	3.15%	0.209%
52	19.719	2869	2873	2876	rBV2	21650	31559	3.86%	0.256%
53	19.813	2882	2889	2891	rBV2	242823	376246	46.06%	3.057%
54	19.842	2891	2894	2901	rVB	527669	723503	88.58%	5.878%
55	19.907	2901	2905	2911	rBV	54815	85807	10.51%	0.697%
56	20.018	2922	2924	2929	rVB4	20312	28666	3.51%	0.233%
57	20.065	2929	2932	2940	rVB3	30527	59925	7.34%	0.487%
58	20.171	2941	2950	2956	rBV6	75092	190523	23.33%	1.548%
59	20.236	2959	2961	2966	rVV6	12861	21917	2.68%	0.178%
60	20.324	2966	2976	2985	rVB	106810	295316	36.16%	2.399%
61	20.430	2986	2994	2998	rBV	66231	116252	14.23%	0.945%
62	20.488	2998	3004	3008	rVV2	102909	157274	19.25%	1.278%
63	20.524	3008	3010	3014	rVB	21189	22404	2.74%	0.182%
64	20.629	3024	3028	3032	rBV	95462	126008	15.43%	1.024%
65	20.676	3032	3036	3039	rVV	62862	85882	10.51%	0.698%
66	20.770	3048	3052	3061	rVB8	14842	42959	5.26%	0.349%
67	20.882	3067	3071	3073	rBV3	34862	48087	5.89%	0.391%
68	20.917	3074	3077	3081	rVB4	22107	38633	4.73%	0.314%
69	21.046	3094	3099	3101	rBV6	23041	35816	4.38%	0.291%
70	21.093	3103	3107	3113	rVB2	63487	113499	13.90%	0.922%
71	21.188	3120	3123	3129	rVB	23621	31847	3.90%	0.259%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

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-BG011216.M
Title : SVOA CALIBRATION

72	21.282	3130	3139	3142	rVV4	65899	160081	19.60%	1.301%
73	21.317	3142	3145	3150	rVV	73452	109103	13.36%	0.886%
74	21.370	3150	3154	3158	rVV2	55681	90066	11.03%	0.732%
75	21.434	3161	3165	3171	rVB2	50915	92723	11.35%	0.753%
76	21.558	3184	3186	3193	rVB3	15921	23638	2.89%	0.192%
77	21.693	3201	3209	3215	rBV2	291340	816801	100.00%	6.637%
78	21.746	3215	3218	3230	rVB	243255	437780	53.60%	3.557%
79	21.898	3241	3244	3251	rBV2	34236	59801	7.32%	0.486%
80	21.981	3253	3258	3262	rBV5	22138	49413	6.05%	0.401%
81	22.122	3277	3282	3286	rVB3	21949	38164	4.67%	0.310%
82	22.175	3289	3291	3296	rVB4	17721	25082	3.07%	0.204%
83	22.439	3327	3336	3341	rBV	72309	180149	22.06%	1.464%
84	22.509	3344	3348	3356	rVB2	48856	100952	12.36%	0.820%
85	22.709	3377	3382	3386	rBV	44625	83935	10.28%	0.682%
86	22.850	3401	3406	3413	rVB4	28722	59140	7.24%	0.481%
87	23.920	3580	3588	3605	rBV2	149228	672926	82.39%	5.468%
88	24.184	3627	3633	3638	rVB2	26623	61697	7.55%	0.501%
89	24.654	3703	3713	3719	rBV	102443	290442	35.56%	2.360%
90	24.730	3719	3726	3731	rVV	93613	253982	31.09%	2.064%
91	24.801	3732	3738	3749	rVB	142252	399221	48.88%	3.244%
92	24.954	3753	3764	3772	rBV	101713	284229	34.80%	2.309%
93	25.030	3772	3777	3783	rVV	22171	47455	5.81%	0.386%
94	26.029	3942	3947	3959	rVB4	37489	110265	13.50%	0.896%
95	26.346	3997	4001	4009	rVB5	14494	33489	4.10%	0.272%
96	28.685	4385	4399	4418	rVB4	65710	313456	38.38%	2.547%
97	29.149	4471	4478	4479	rBV3	9368	18771	2.30%	0.153%
98	29.290	4493	4502	4503	rBV9	15374	33114	4.05%	0.269%
99	29.836	4582	4595	4597	rBV2	49156	133831	16.38%	1.087%
100	30.471	4695	4703	4704	rBV3	10408	22011	2.69%	0.179%

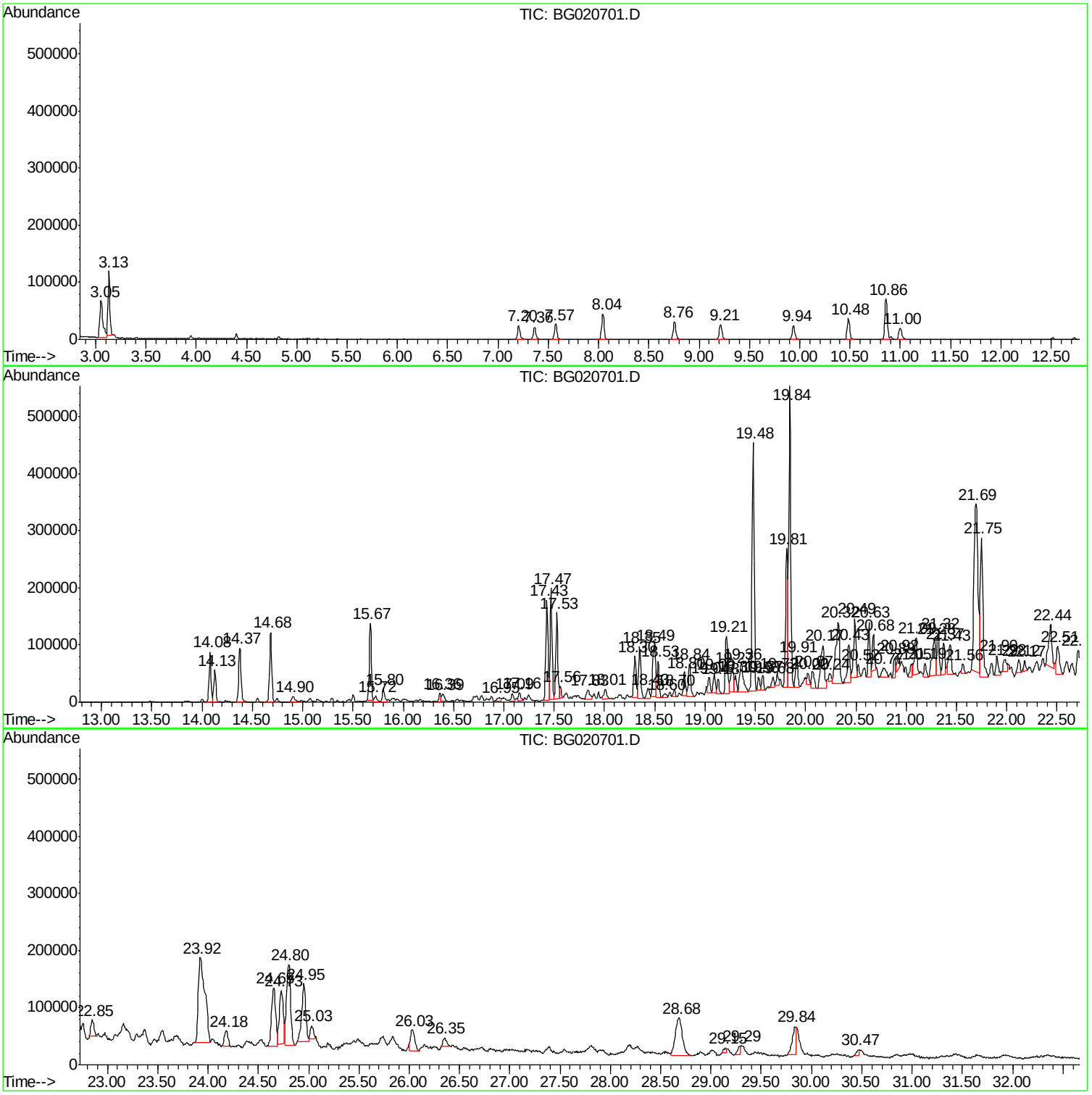
Sum of corrected areas: 12307680

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

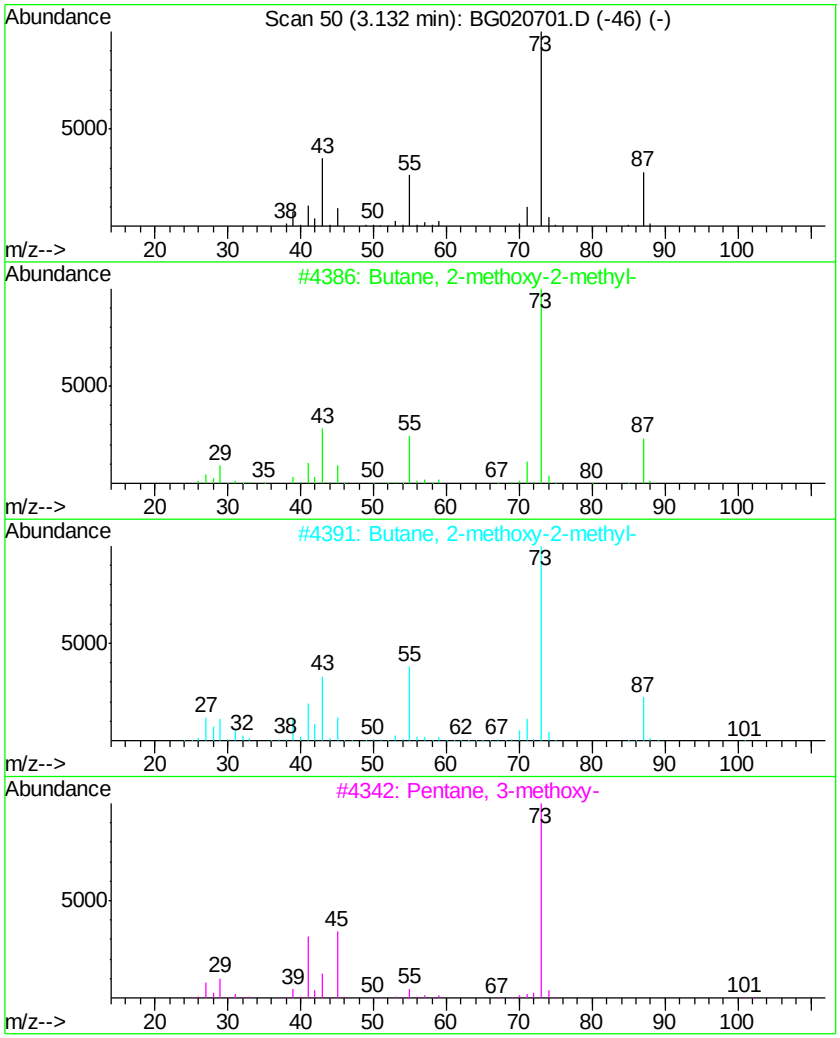
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

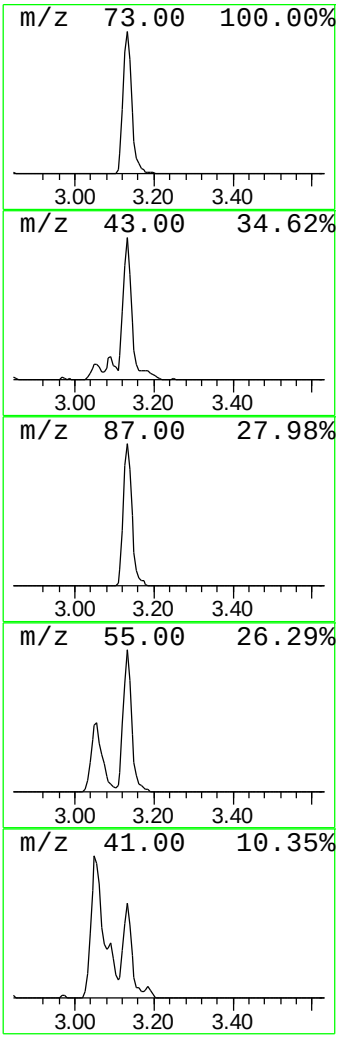
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	40.84 ng/ul	156558	1,4-Dichlorobenzene-d4	8.04

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	74
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

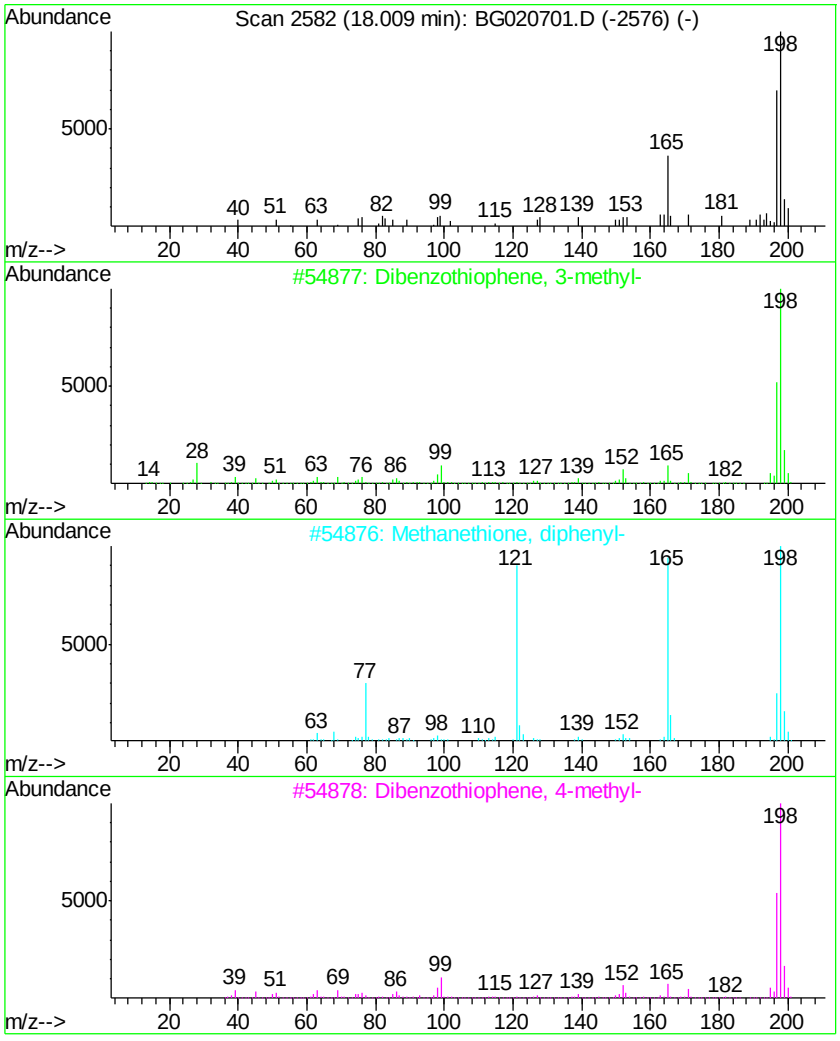
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

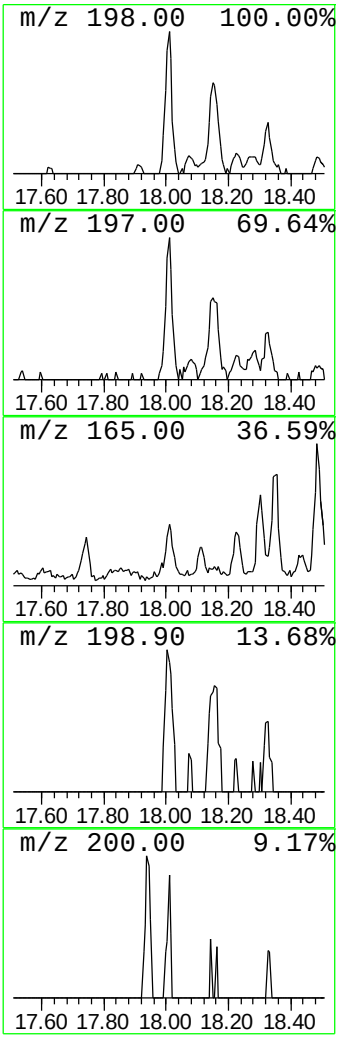
****

Peak Number 3 Dibenzothiophene, 3-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.43 ng/ul	32718	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
2	Methanethione, diphenyl-	198	C13H10S	001450-31-3	59
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	59
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	53
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

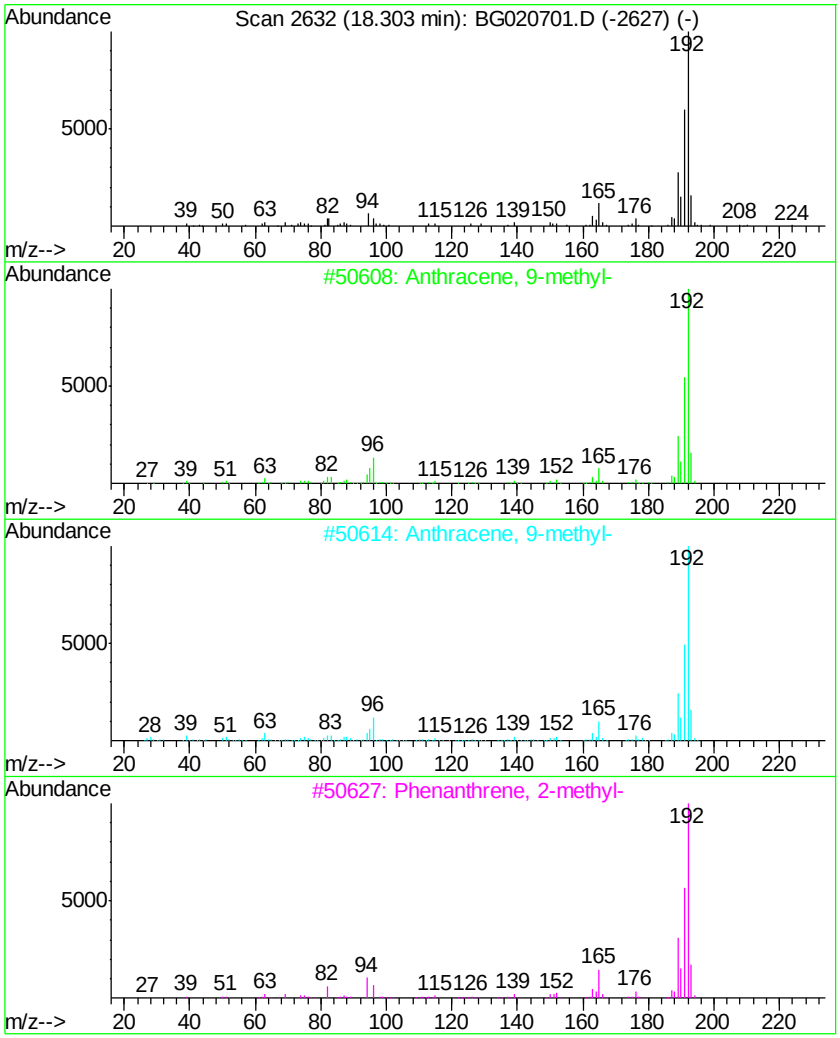
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

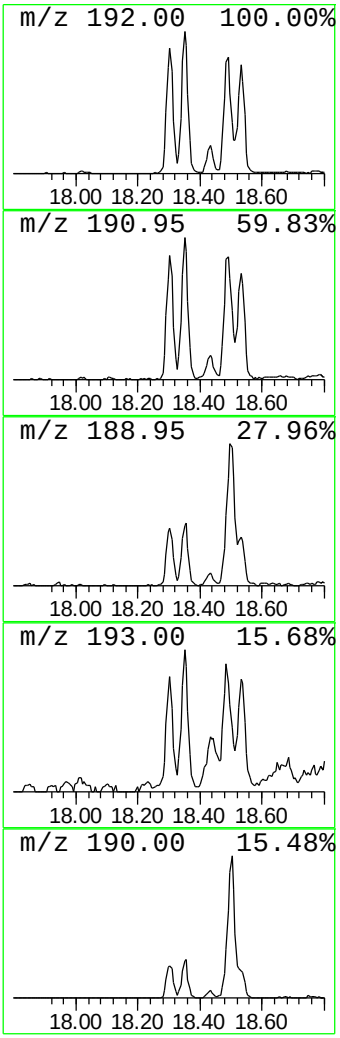
****

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	8.42 ng/ul	113135	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

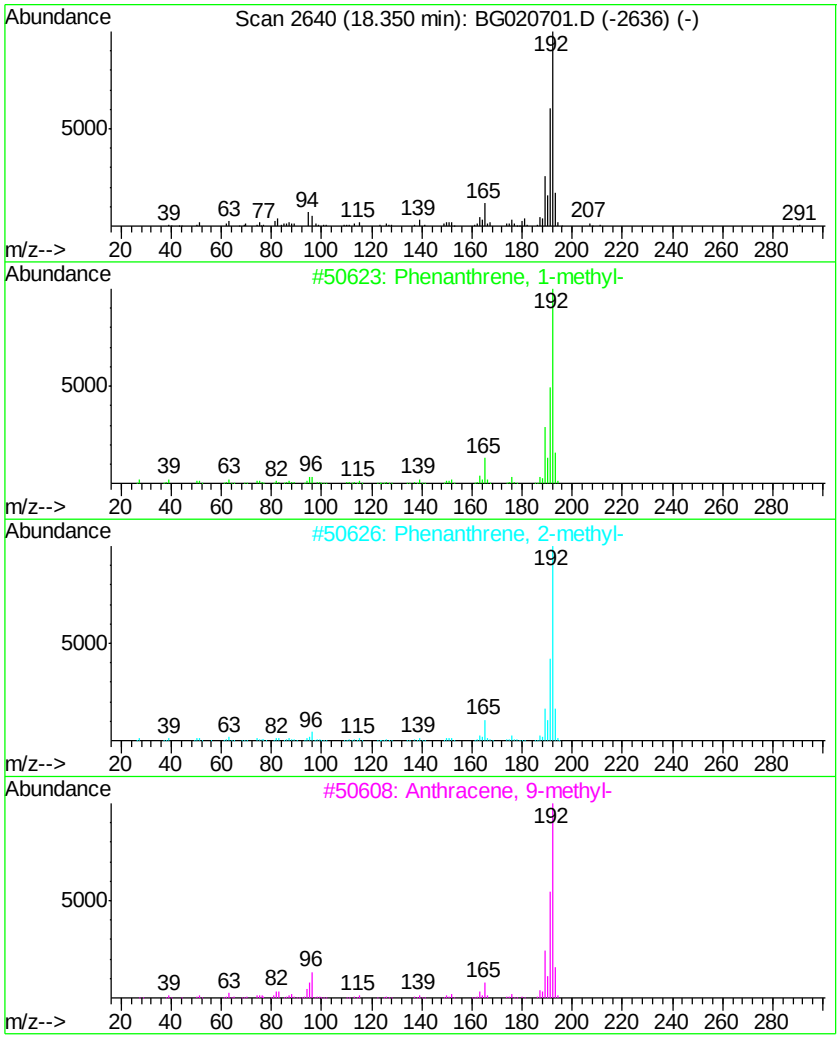
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

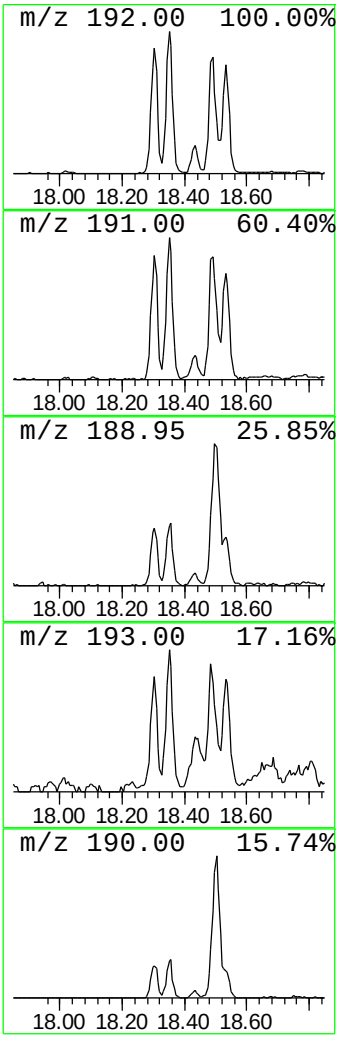
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	10.08 ng/ul	135472	Phenanthrene-d10	17.43

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	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

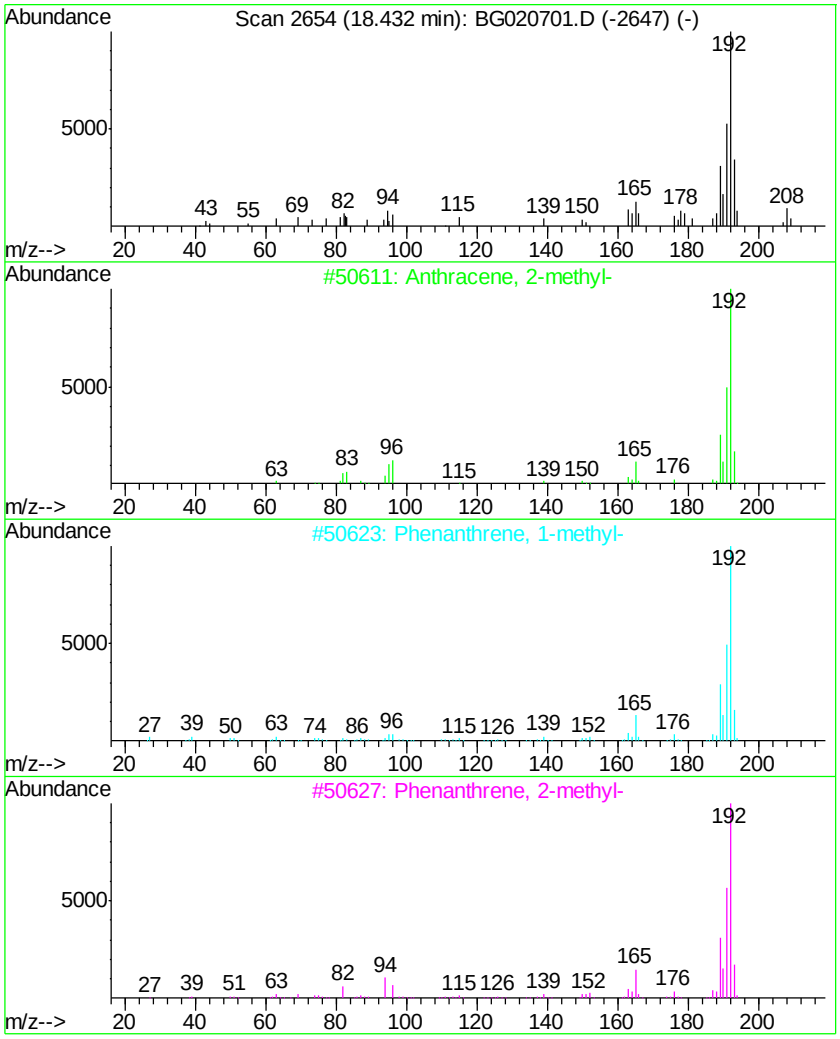
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

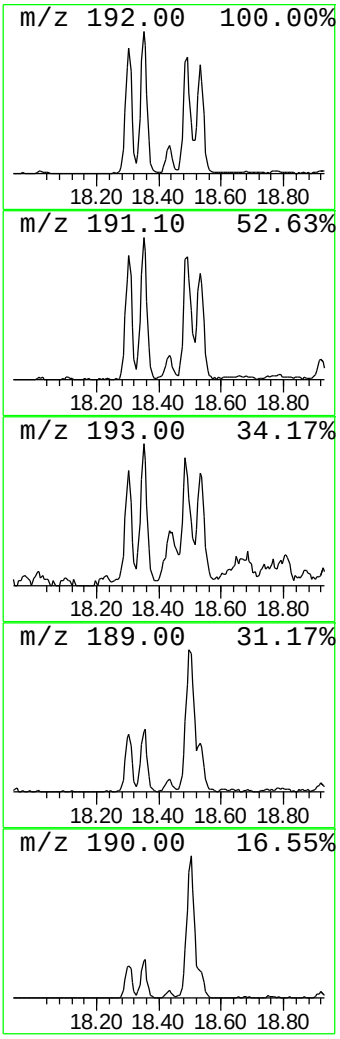
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.60 ng/ul	34933	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

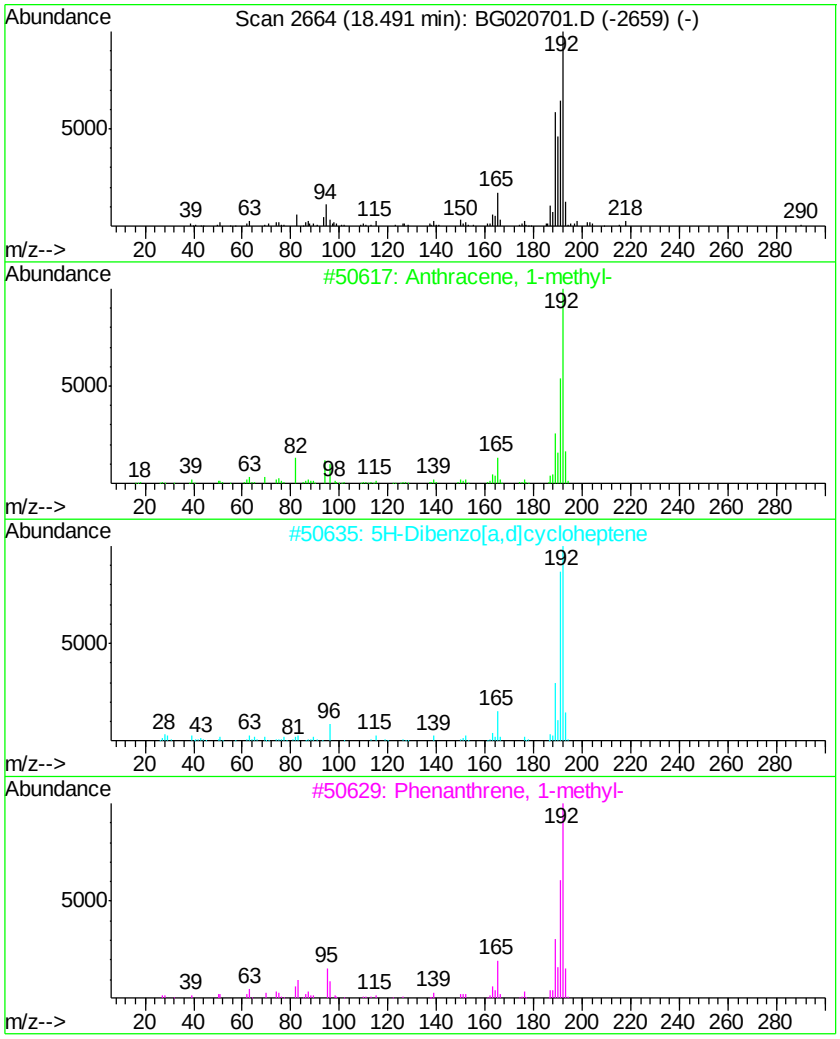
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

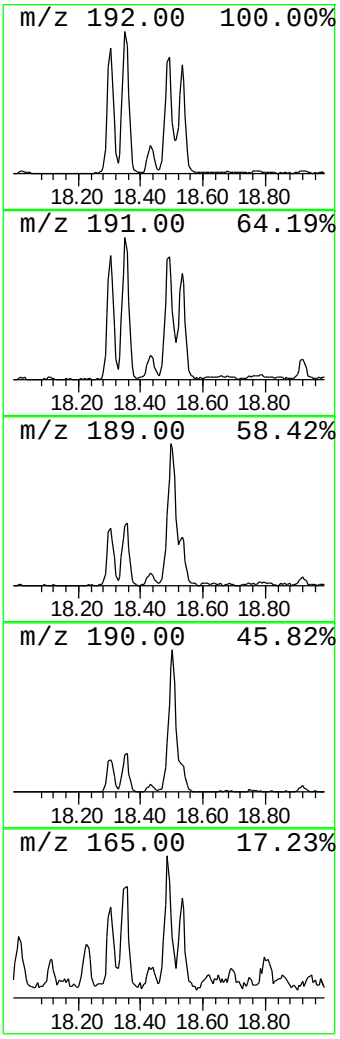
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	12.83 ng/ul	172486	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	53





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

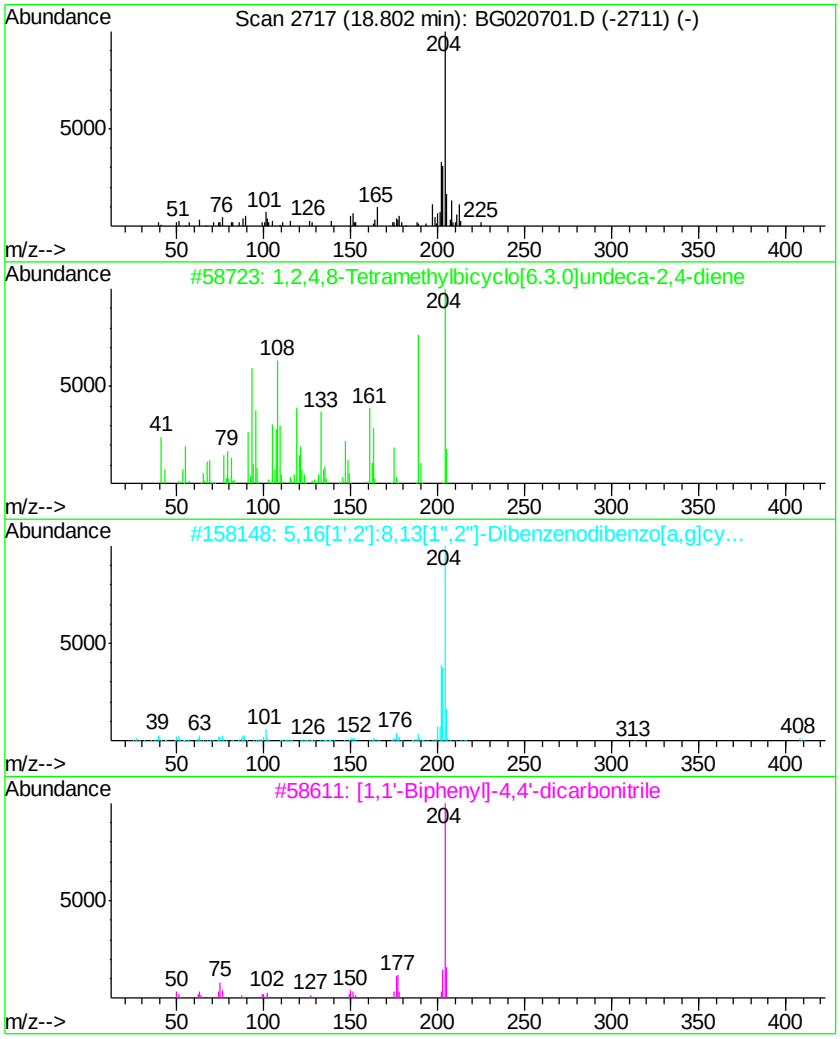
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

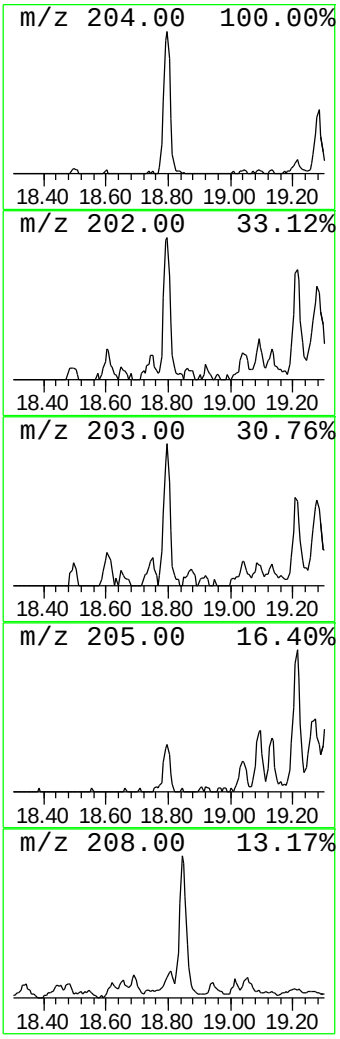
****

Peak Number 9 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	4.79 ng/ul	64425	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	60
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	60
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

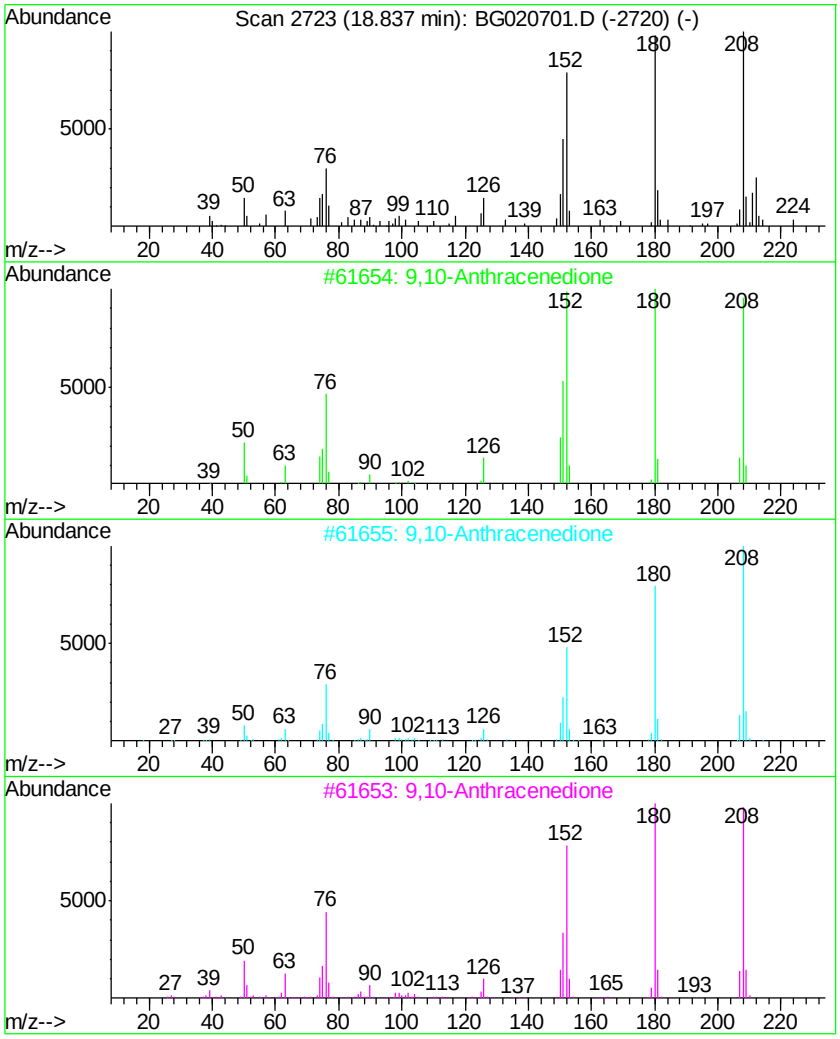
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

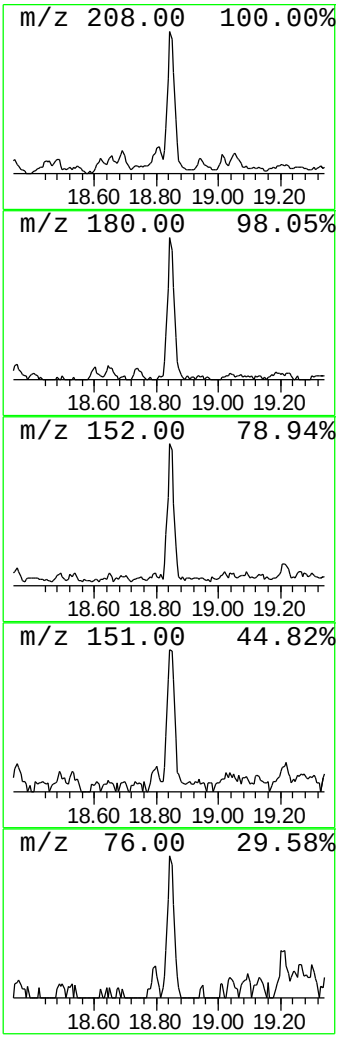
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	7.14 ng/ul	95990	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	87
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

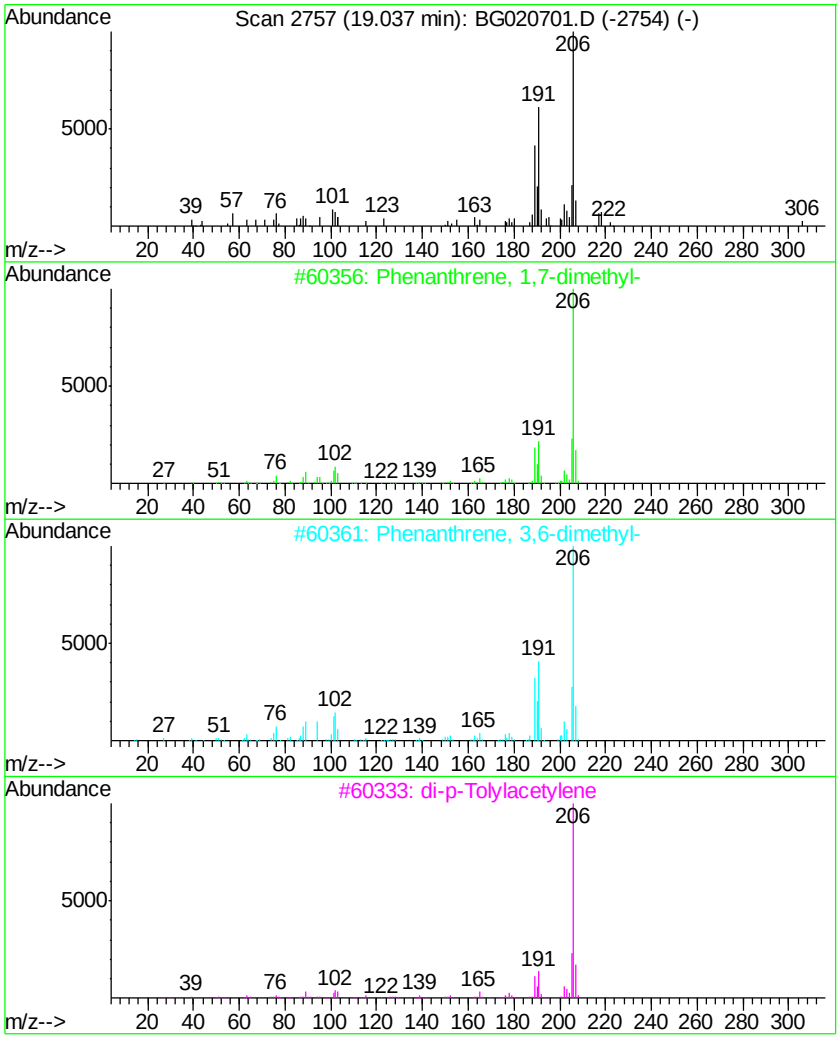
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

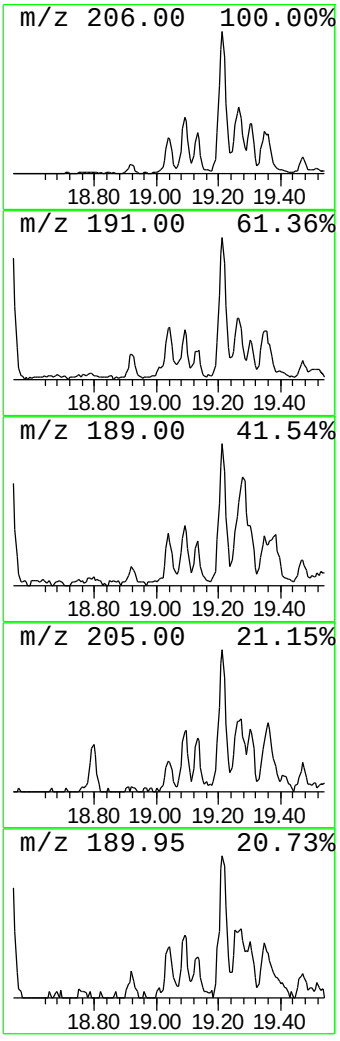
****

Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	3.23 ng/ul	43488	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

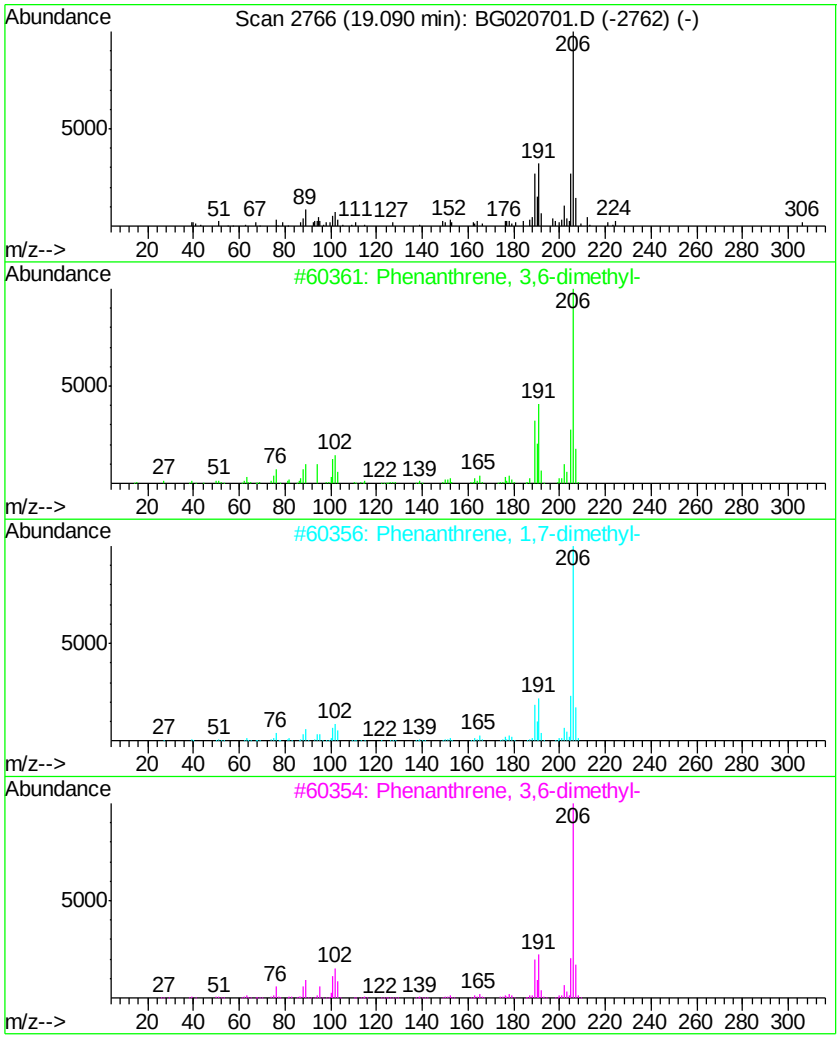
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

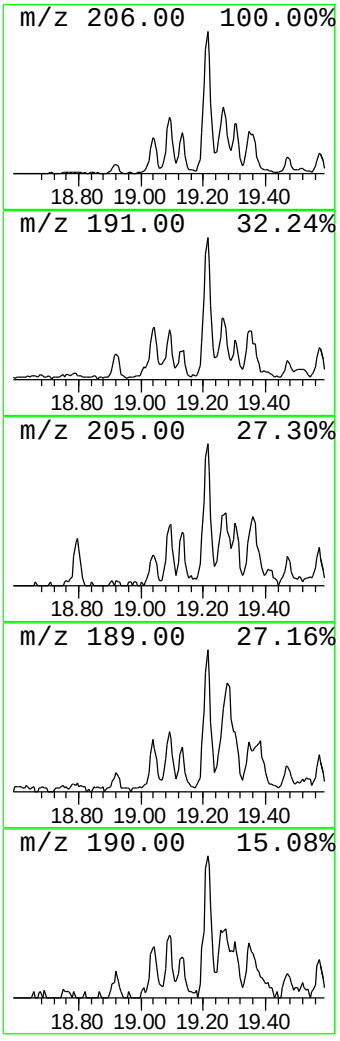
****

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	3.46 ng/ul	46514	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	78





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

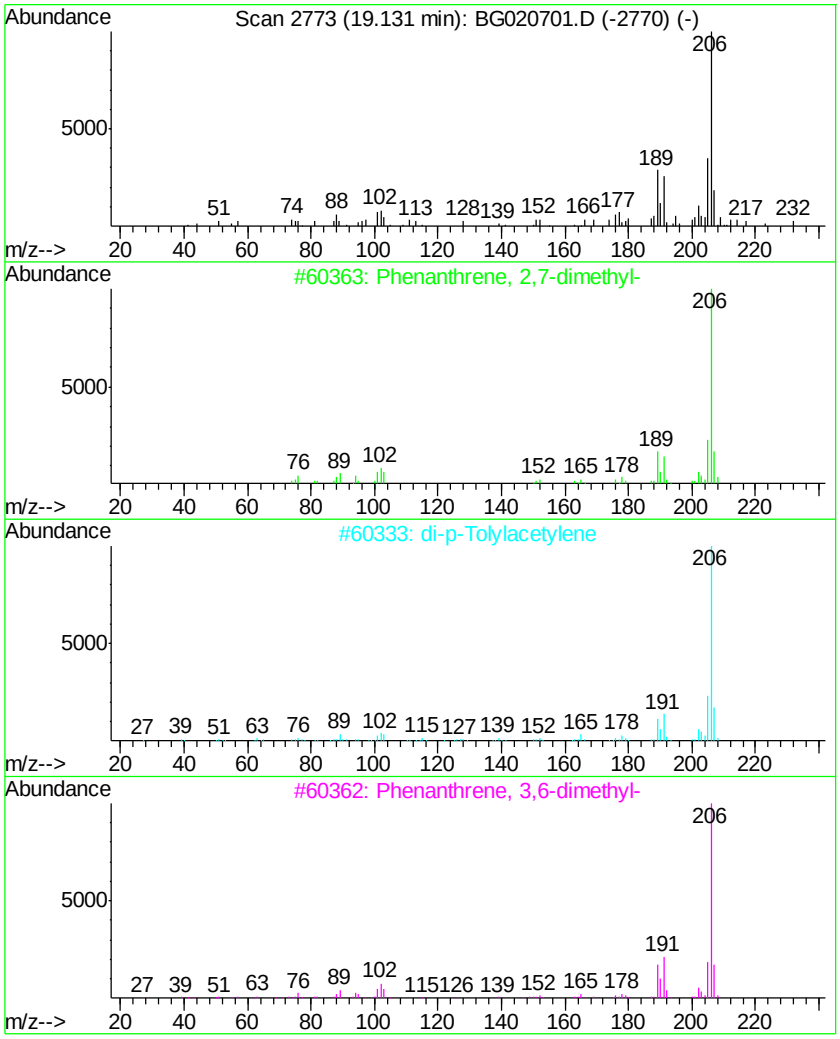
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

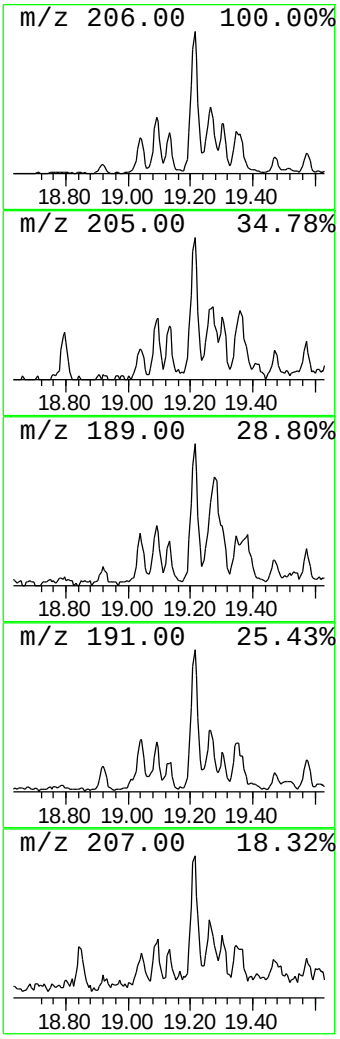
****

Peak Number 13 Phenanthrene, 2,7-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	2.74 ng/ul	36784	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	74
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	74





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

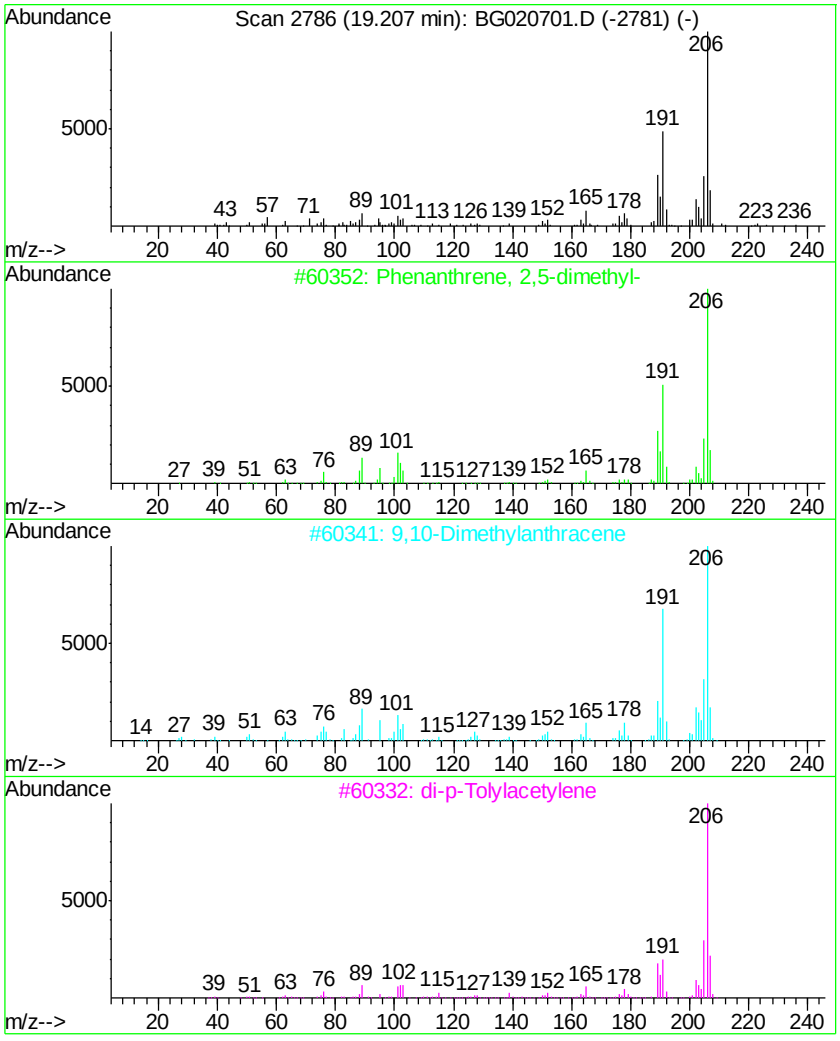
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

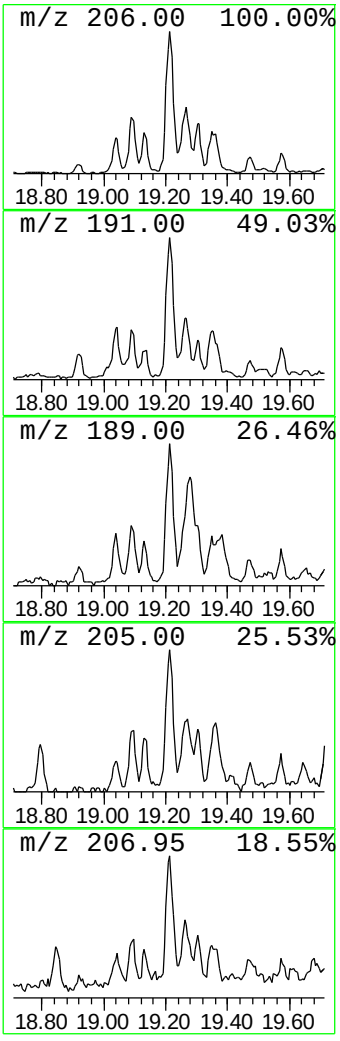
****

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	12.35 ng/ul	166025	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

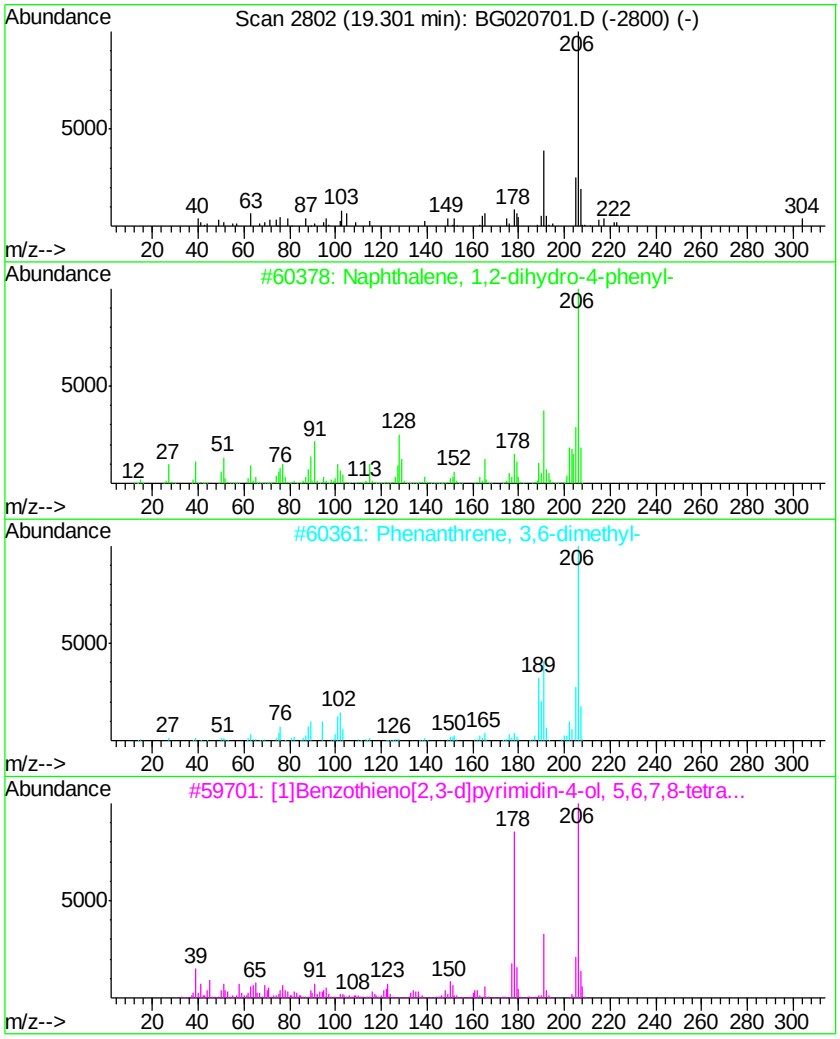
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

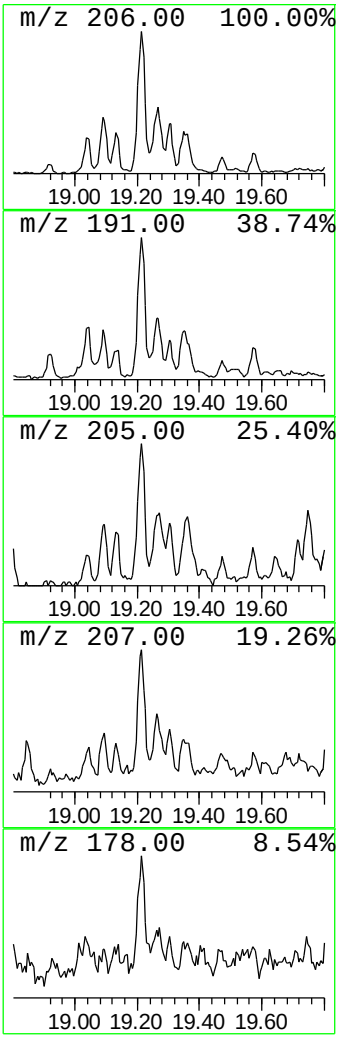
****

Peak Number 16 Naphthalene, 1,2-dihydro-4-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	2.53 ng/ul	34024	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
3	[1]Benzothieno[2,3-d]pyrimidin-4...	206	C10H10N2OS	014346-24-8	86
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

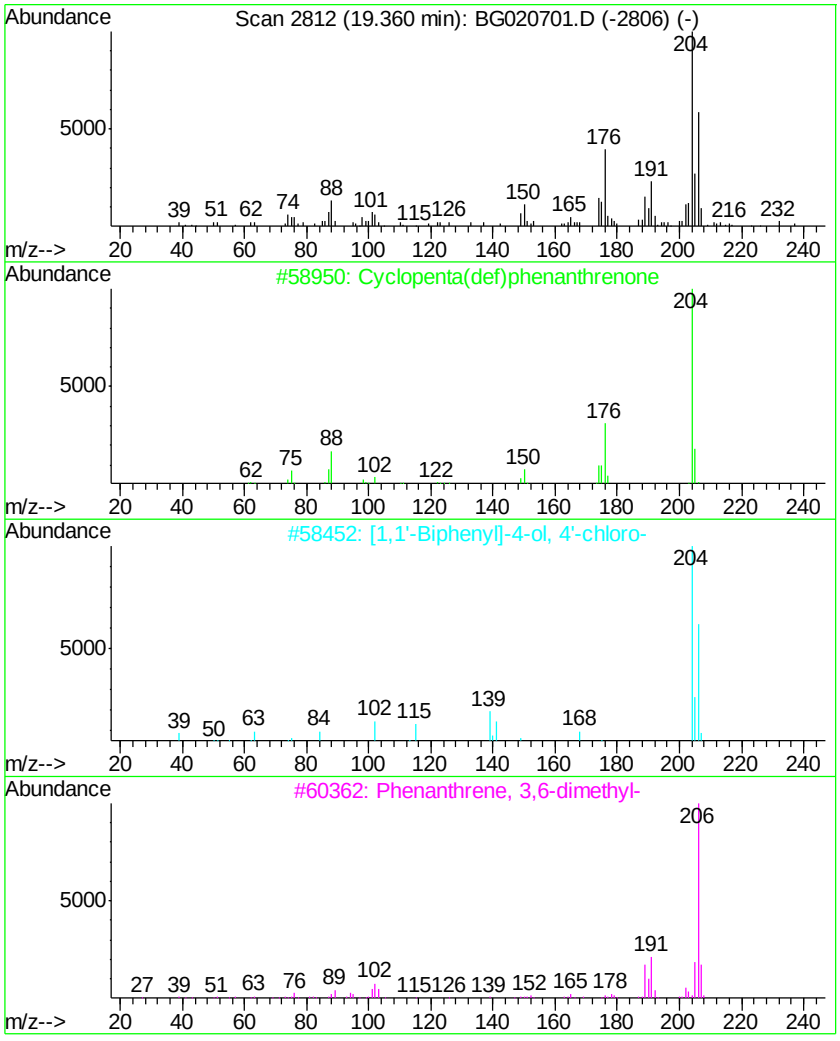
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

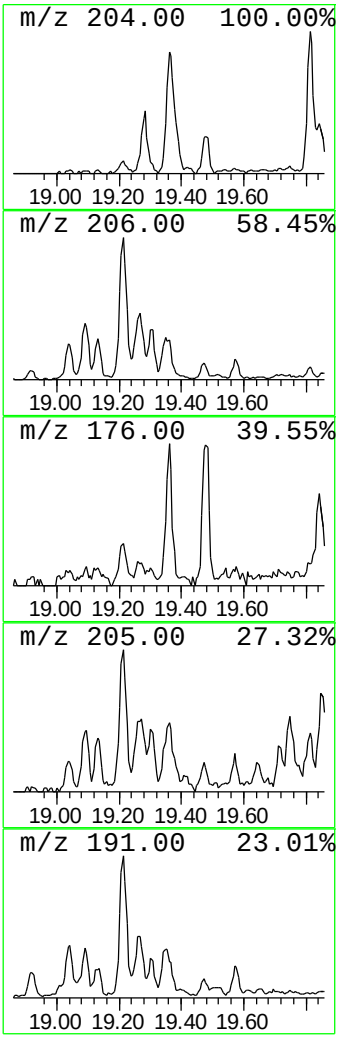
****

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	9.45 ng/ul	127057	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	42
5	Indeno[2,1-a]indene, 4b,5,9b,10-...	206	C16H14	005695-17-0	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

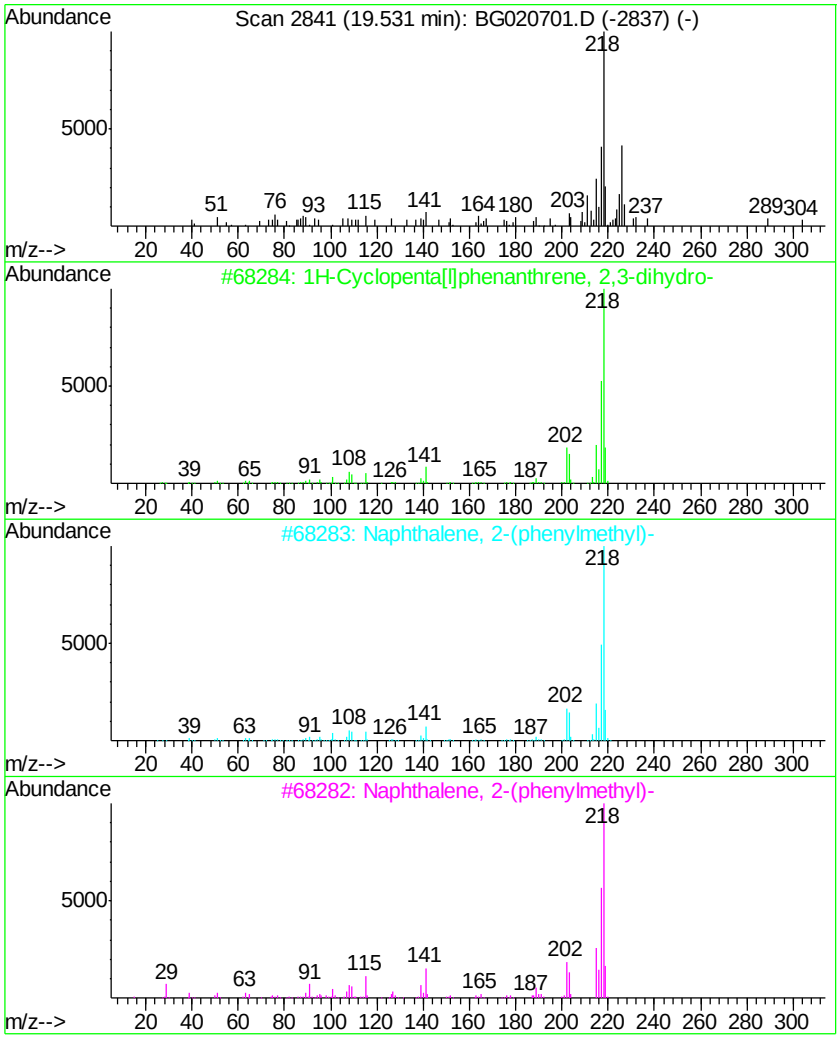
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

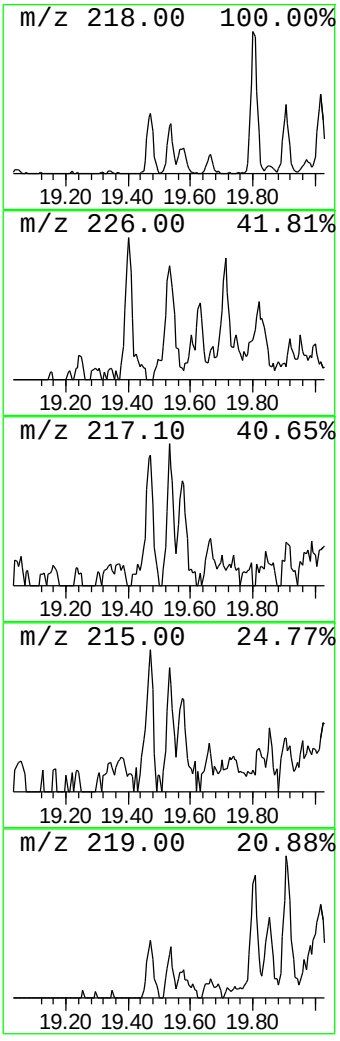
****

Peak Number 18 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	2.57 ng/ul	34545	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopenta[l]phenanthrene, 2,...	218	C17H14	000723-98-8	49
2	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	47
3	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	47
4	2-Chloro-5,6-dimethyl-1-(2-propy...	218	C12H11ClN2	080276-20-6	38
5	4H-Benzo[e]pyrido[1,2-a]benzimid...	218	C15H10N2	000239-25-8	32





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

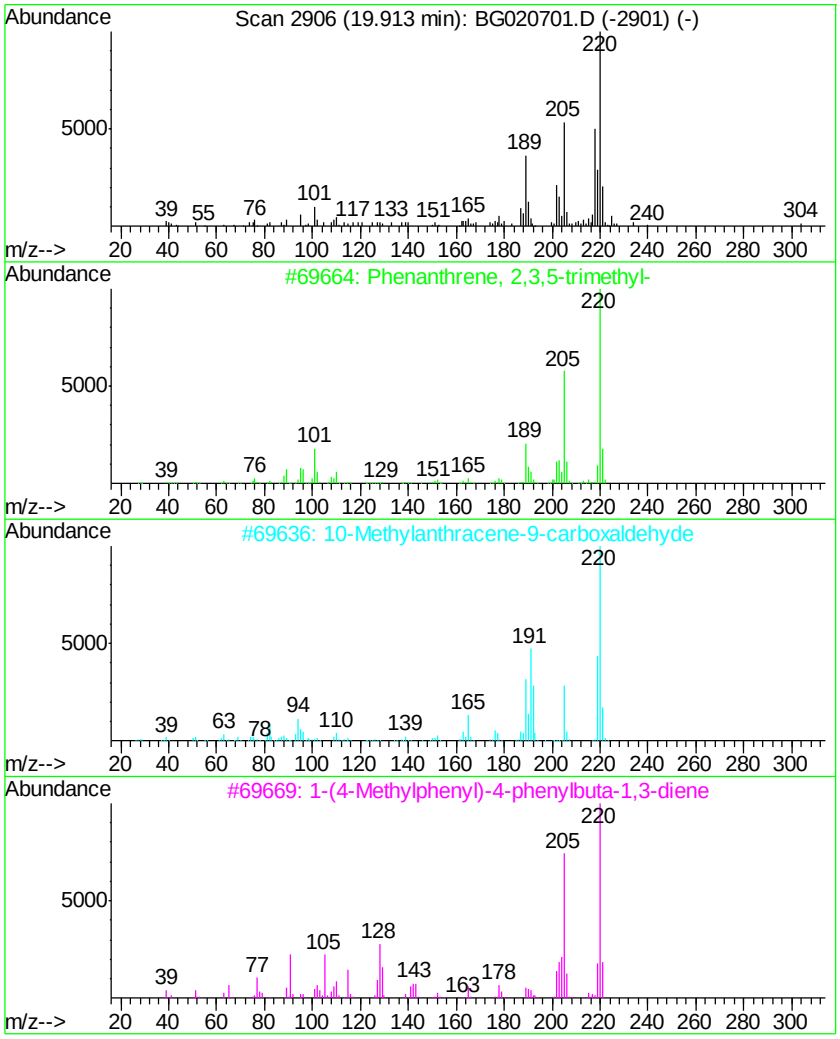
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

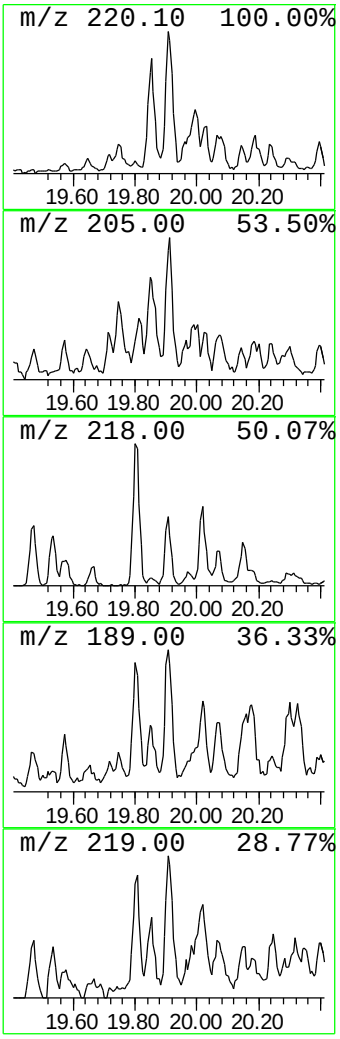
****

Peak Number 19 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.10 ng/ul	85807	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	58
2	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	49
3	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	47
4	5-(2,5-Dimethoxy-phenyl)-2H-pyra...	220	C11H12N2O3	1000278-26-9	46
5	6,7,8,9-Tetrahydro-5-methylisoth...	220	C11H12N2OS	339156-87-5	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

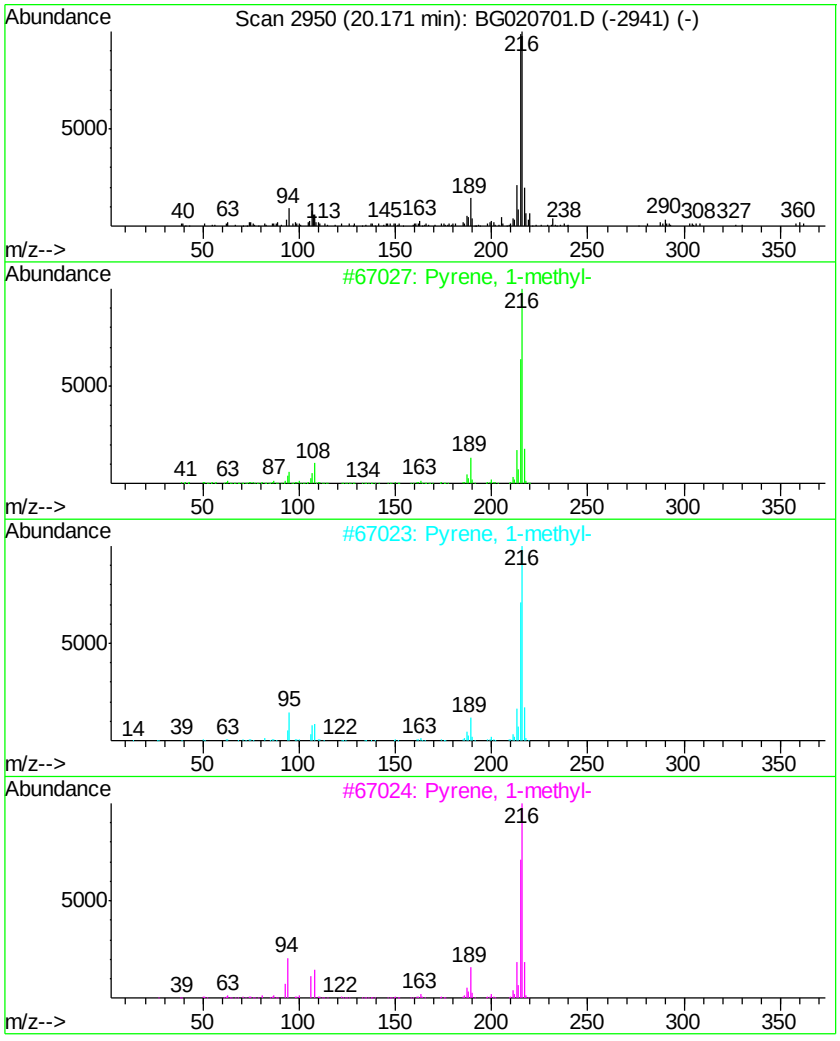
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

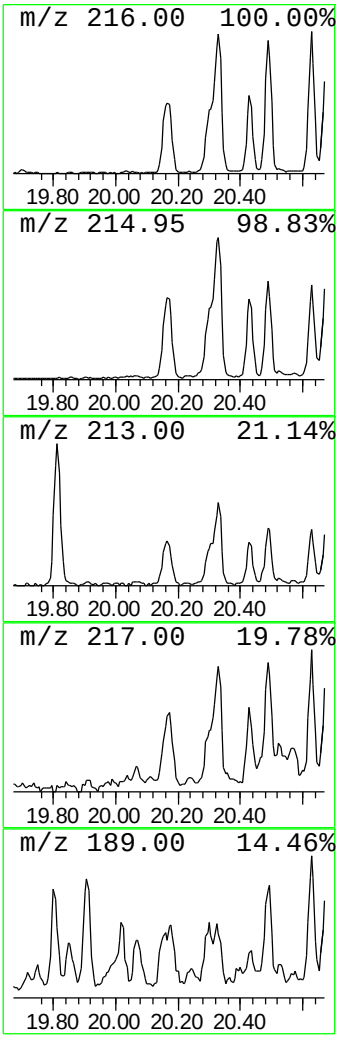
****

Peak Number 20 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	4.67 ng/ul	190523	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

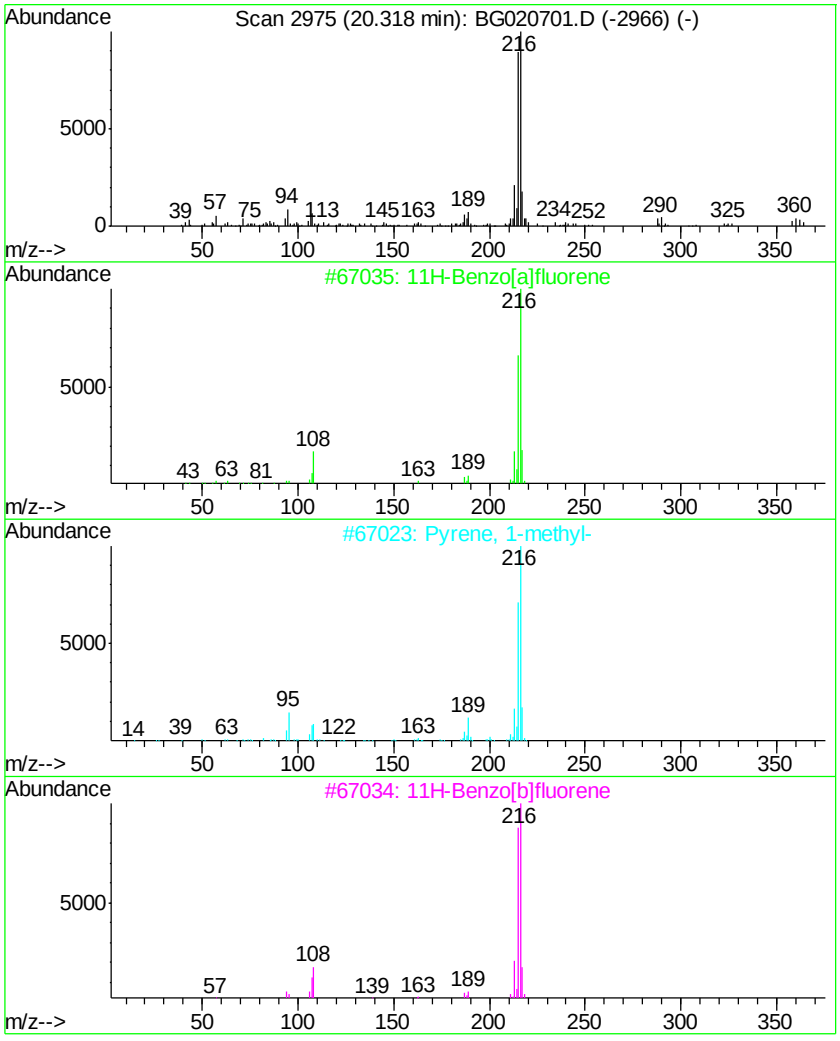
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

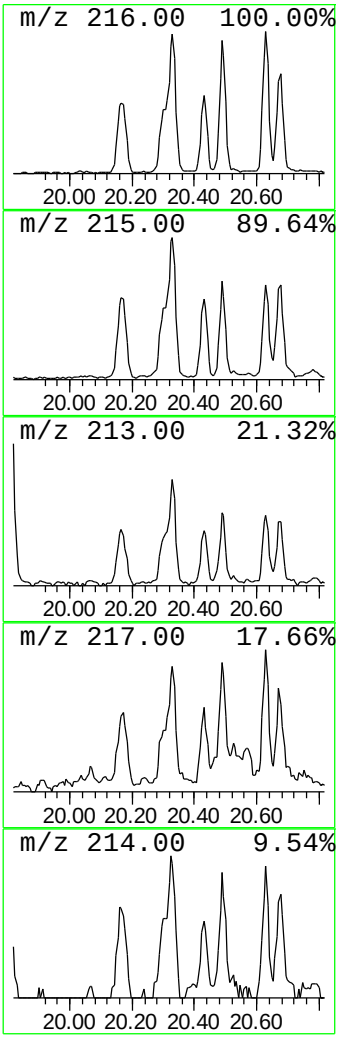
****

Peak Number 21 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	7.23 ng/ul	295316	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

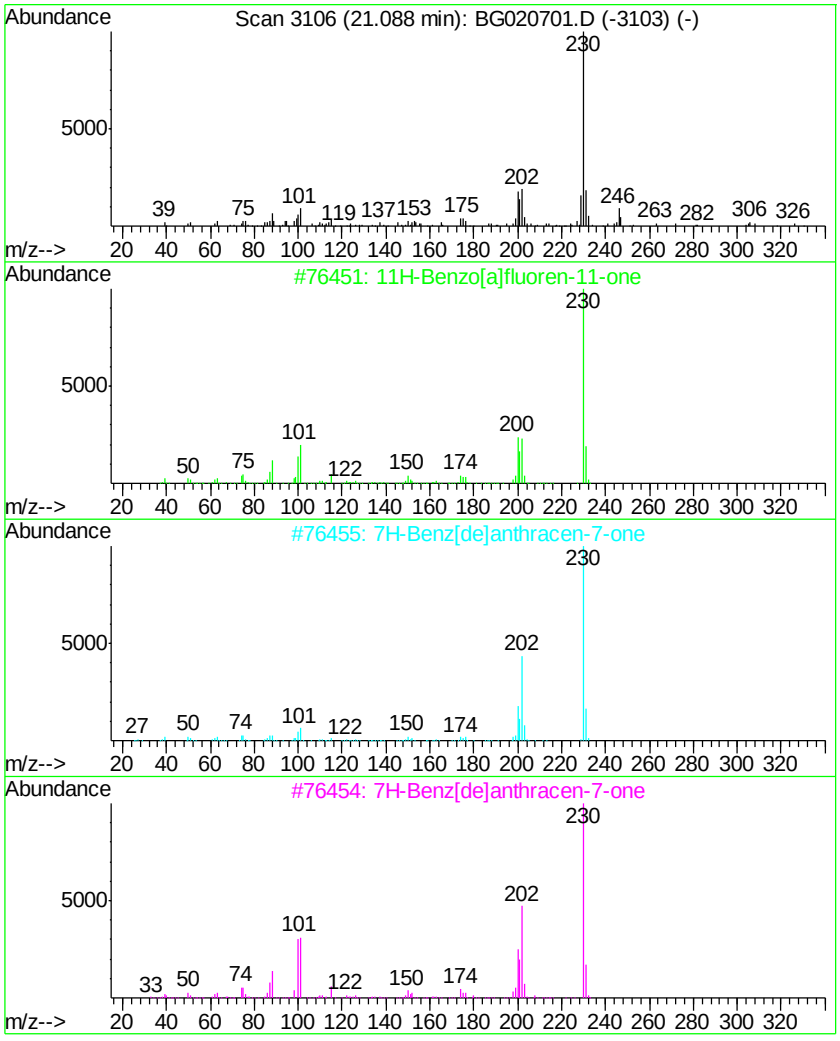
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

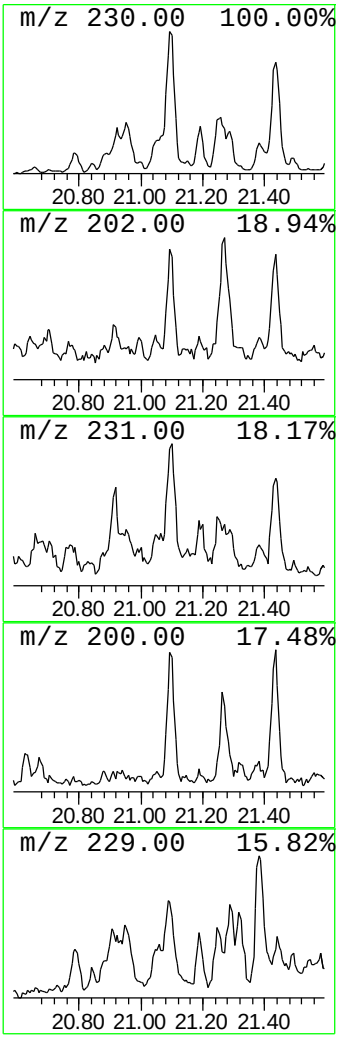
****

Peak Number 26 11H-Benzo[a]fluoren-11-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.78 ng/ul	113499	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	64
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

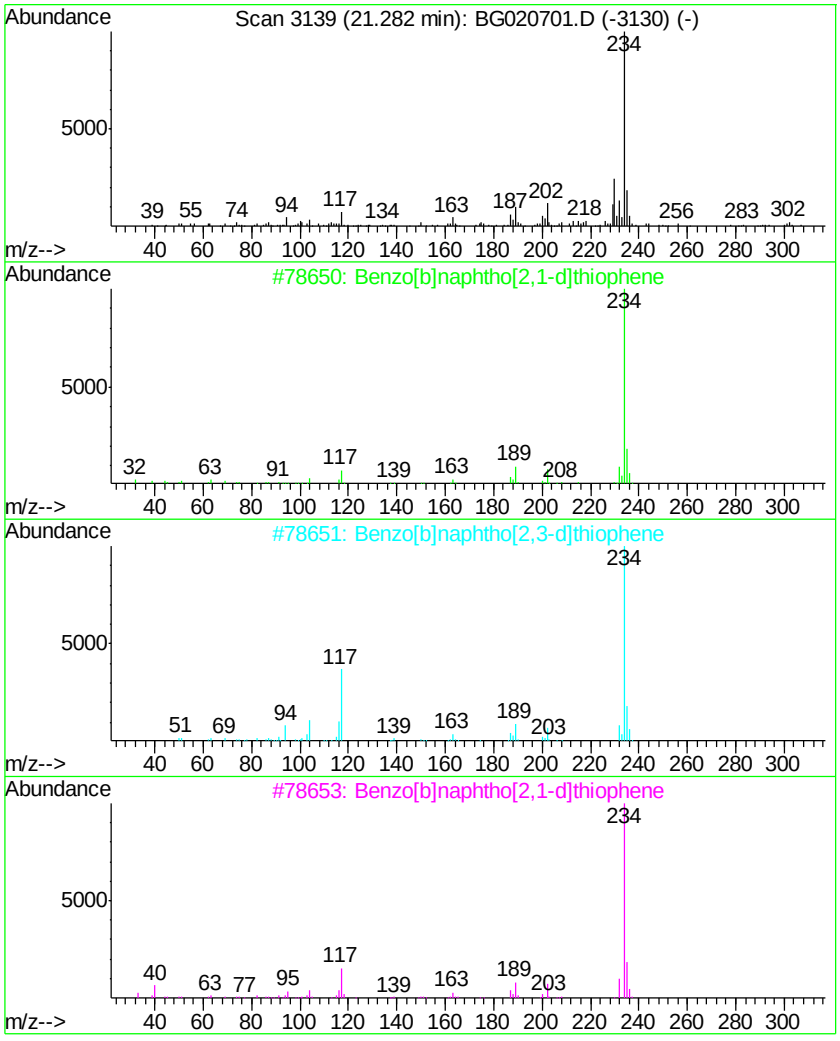
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

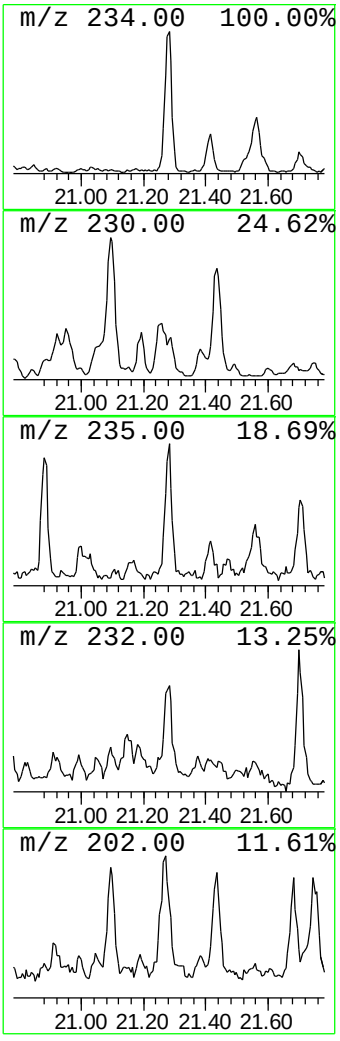
****

Peak Number 27 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.28	3.92 ng/ul	160081	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	89
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

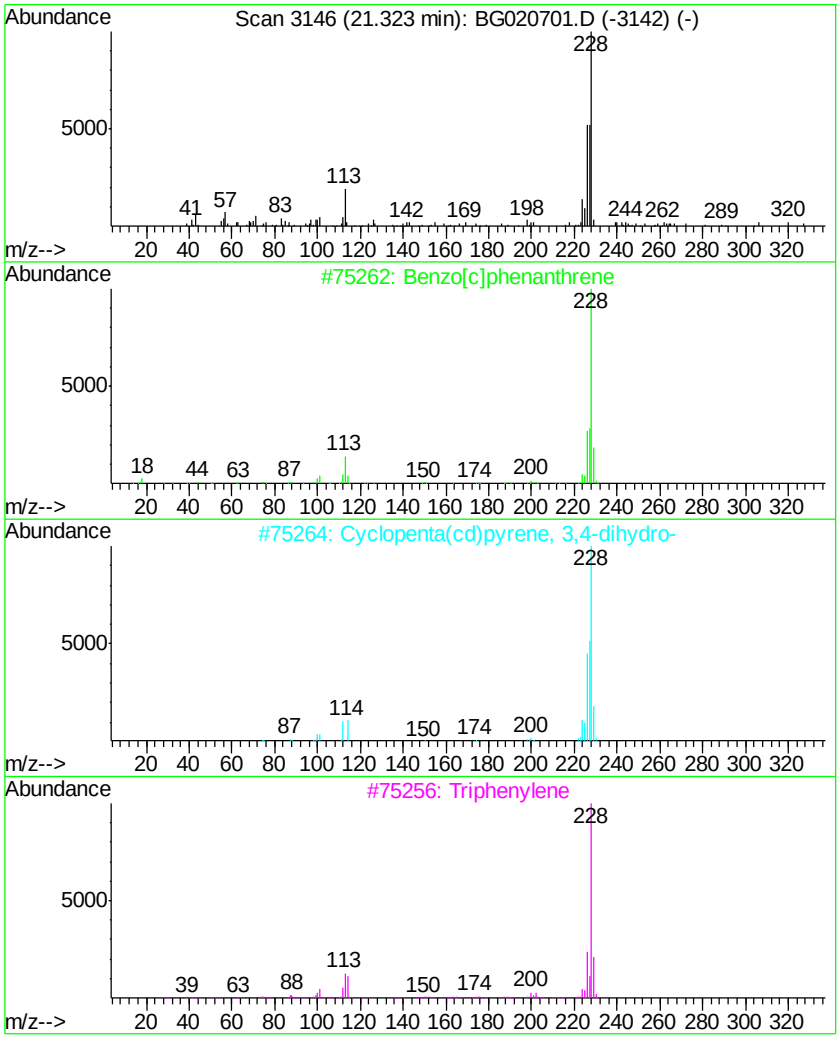
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

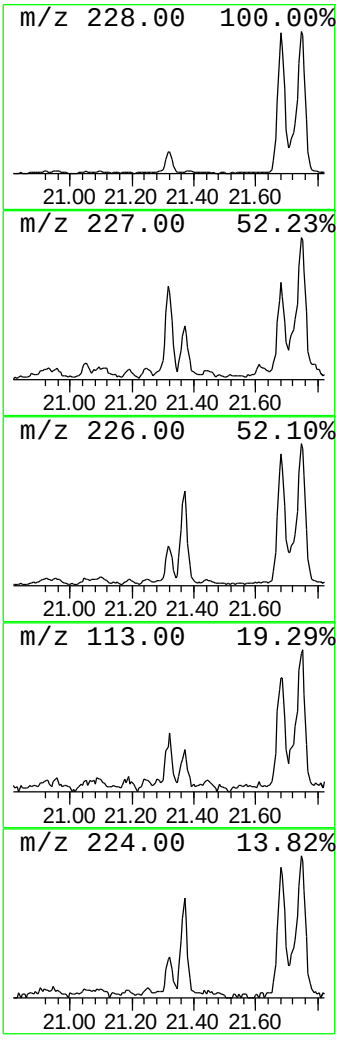
****

Peak Number 28 unknown-02 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	2.67 ng/ul	109103	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	47
3	Triphenylene	228	C18H12	000217-59-4	46
4	Triphenylene	228	C18H12	000217-59-4	45
5	Benz[a]anthracene	228	C18H12	000056-55-3	45





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

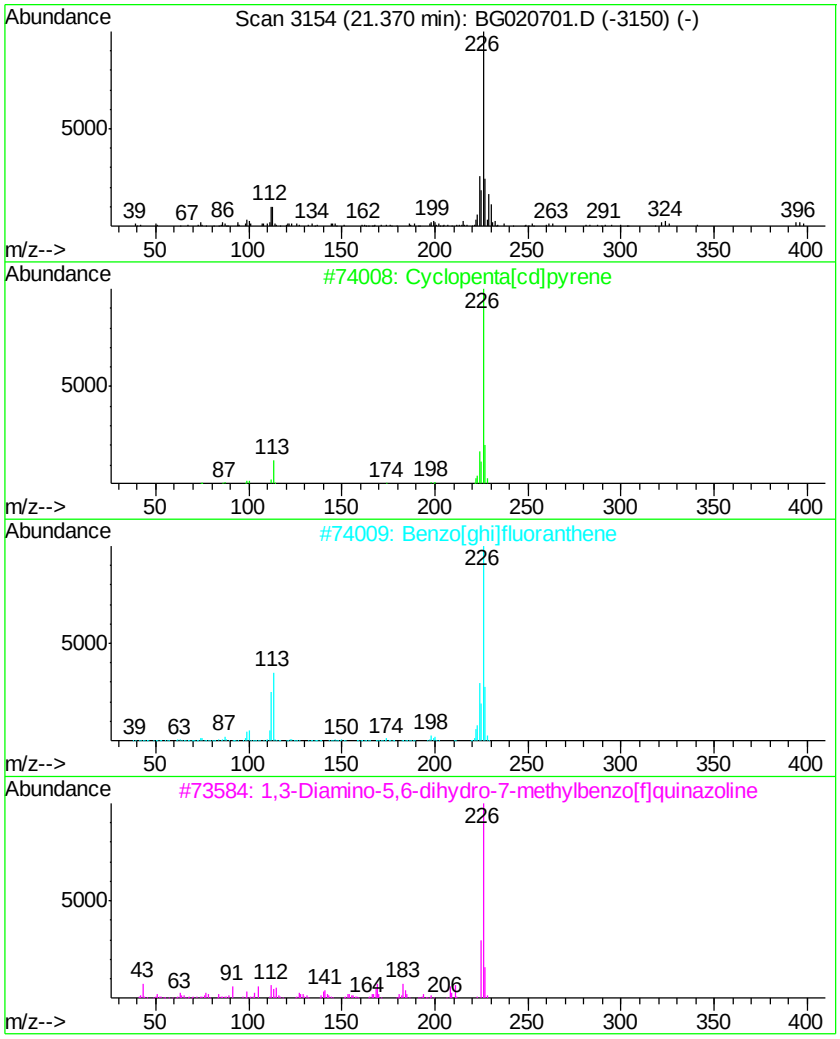
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

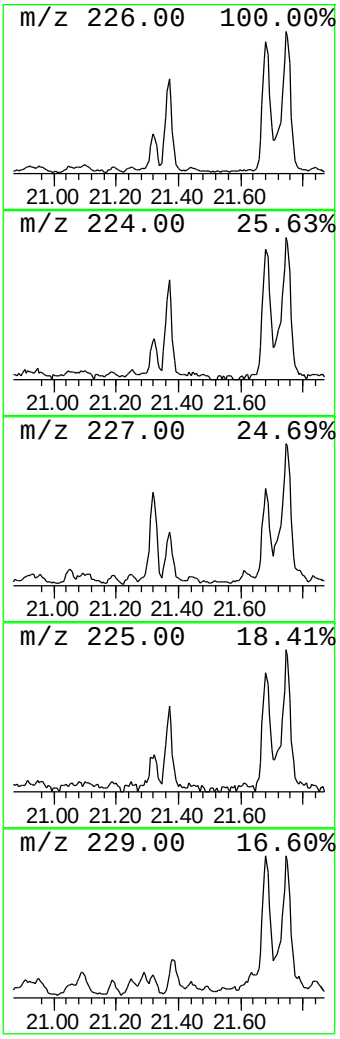
****

Peak Number 29 Cyclopenta[cd]pyrene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.21 ng/ul	90066	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	62
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
4	9H-Pyrido[3,4-b]indole, 7-methox...	226	C14H14N2O	143502-37-8	43
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

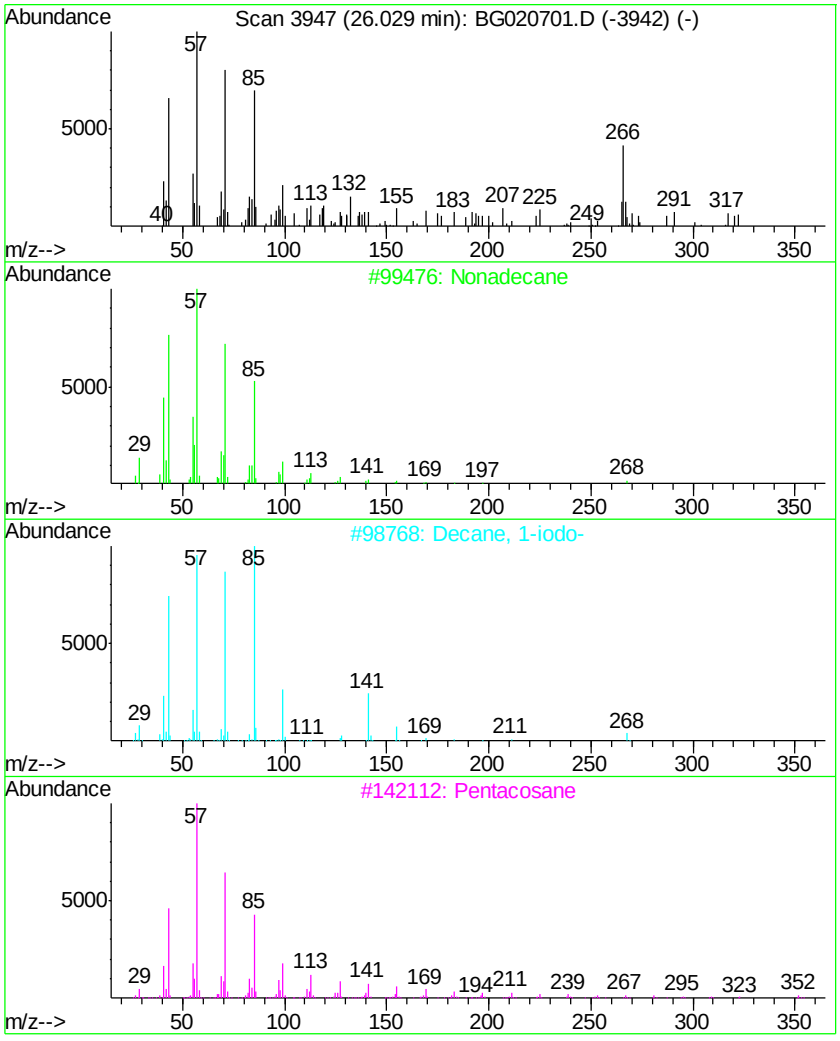
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

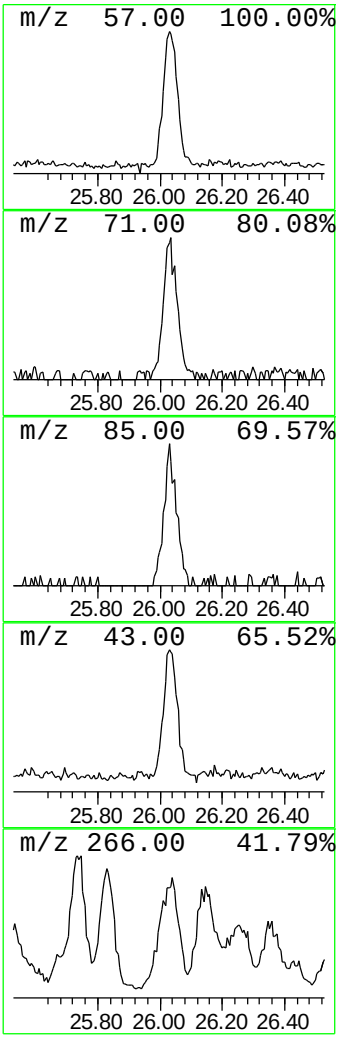
****

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.03	7.76 ng/ul	110265	Perylene-d12	24.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	78
2	Decane, 1-iodo-	268	C10H21I	002050-77-3	58
3	Pentacosane	352	C25H52	000629-99-2	52
4	Nonadecane	268	C19H40	000629-92-5	52
5	Heneicosane	296	C21H44	000629-94-7	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020701.D
Acq On : 13 Jan 2016 11:04
Operator : SJ/IZ
Sample : H1094-10
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC961

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.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...	3.13	40.8	ng/ul	156558	1	8.04	76662	20.0
Dibenzothiophene,...	18.01	2.4	ng/ul	32718	4	17.43	268880	20.0
Anthracene, 9-met...	18.30	8.4	ng/ul	113135	4	17.43	268880	20.0
Phenanthrene, 1-m...	18.35	10.1	ng/ul	135472	4	17.43	268880	20.0
Anthracene, 2-met...	18.43	2.6	ng/ul	34933	4	17.43	268880	20.0
Anthracene, 1-met...	18.49	12.8	ng/ul	172486	4	17.43	268880	20.0
1,2,4,8-Tetrameth...	18.80	4.8	ng/ul	64425	4	17.43	268880	20.0
9,10-Anthracenedione	18.84	7.1	ng/ul	95990	4	17.43	268880	20.0
Phenanthrene, 1,7...	19.04	3.2	ng/ul	43488	4	17.43	268880	20.0
Phenanthrene, 3,6...	19.09	3.5	ng/ul	46514	4	17.43	268880	20.0
Phenanthrene, 2,7...	19.13	2.7	ng/ul	36784	4	17.43	268880	20.0
Phenanthrene, 2,5...	19.21	12.4	ng/ul	166025	4	17.43	268880	20.0
Naphthalene, 1,2-...	19.30	2.5	ng/ul	34024	4	17.43	268880	20.0
Cyclopenta(def)ph...	19.36	9.4	ng/ul	127057	4	17.43	268880	20.0
unknown-01	19.53	2.6	ng/ul	34545	4	17.43	268880	20.0
Phenanthrene, 2,3...	19.91	2.1	ng/ul	85807	5	21.70	816801	20.0
Pyrene, 1-methyl-	20.17	4.7	ng/ul	190523	5	21.70	816801	20.0
11H-Benzo[a]fluorene	20.32	7.2	ng/ul	295316	5	21.70	816801	20.0
11H-Benzo[a]fluor...	21.09	2.8	ng/ul	113499	5	21.70	816801	20.0
Benzo[b]naphtho[2...	21.28	3.9	ng/ul	160081	5	21.70	816801	20.0
unknown-02	21.32	2.7	ng/ul	109103	5	21.70	816801	20.0
Cyclopenta[cd]pyrene	21.37	2.2	ng/ul	90066	5	21.70	816801	20.0
(DEL) Alkane: Str...	26.03	7.8	ng/ul	110265	6	24.95	284229	20.0