LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020785.D
Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

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-BG012716.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	3.261	67	72	81	rBV	23578	45512	3.52%	0.347%
2	3.337	81	85	96	rVB	17888	26956	2.09%	0.205%
3	8.278	918	926	934	rVB	64221	107059	8.28%	0.816%
4	11.103	1399	1407	1412	rBV	103473	185867	14.38%	1.416%
5	11.150	1412	1415	1423	rVB	17522	27559	2.13%	0.210%
6	12.737	1677	1685	1690	rBB	9970	15593	1.21%	0.119%
7	14.276	1940	1947	1952	rVV	20445	32586	2.52%	0.248%
8	14.581	1993	1999	2007	rBV	25011	42072	3.26%	0.321%
9	14.887	2040	2051	2057	rBV2	175793	278612	21.56%	2.123%
10	14.945	2057	2061	2068	rVV	72866	109398	8.47%	0.834%
11	15.280	2112	2118	2124	rVV	40468	63395	4.91%	0.483%
12	15.868	2213	2218	2222	rBV	34971	48549	3.76%	0.370%
13	15.920	2222	2227	2234	rVB	83885	126490	9.79%	0.964%
14	16.085	2252	2255	2260	rVV	8951	12641	0.98%	0.096%
15	16.214	2273	2277	2283	rVB	13359	18446	1.43%	0.141%
16	16.361	2297	2302	2309	rVV2	15855	30947	2.39%	0.236%
17	16.919	2386	2397	2402	rBV4	11543	25695	1.99%	0.196%
18	17.266	2451	2456	2463	rVV	18605	28575	2.21%	0.218%
19	17.348	2465	2470	2478	rBV6	6927	16319	1.26%	0.124%
20	17.436	2481	2485	2492	rVV	35169	50754	3.93%	0.387%
21	17.618	2509	2516	2519	rBV	196083	295671	22.88%	2.253%
22	17.665	2519	2524	2529	rVV	784865	1151193	89.09%	8.772%
23	17.718	2529	2533	2535	rVV2	47259	65982	5.11%	0.503%
24	17.753	2535	2539	2544	rVV	176868	258912	20.04%	1.973%
25	17.806	2544	2548	2553	rVB	19641	29395	2.27%	0.224%
26	18.012	2573	2583	2593	rBV2	89394	150633	11.66%	1.148%
27	18.135	2600	2604	2610	rBV3	10036	16065	1.24%	0.122%
28	18.200	2610	2615	2621	rVB5	11297	19903	1.54%	0.152%
29	18.488	2655	2664	2668	rBV	56160	88597	6.86%	0.675%
30	18.535	2668	2672	2679	rVB	86259	127435	9.86%	0.971%
31	18.617	2679	2686	2691	rBV	31533	49270	3.81%	0.375%
32	18.681	2691	2697	2701	rBV2	123310	227305	17.59%	1.732%
33	18.717	2701	2703	2709	rVB2	39240	55118	4.27%	0.420%
34	18.775	2709	2713	2717	rBV3	12696	15268	1.18%	0.116%

LSC Area Percent Report

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Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

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-BG012716.M
Title : SVOA CALIBRATION

35	18.975	2740	2747	2750	rBV	50418	84095	6.51%	0.641%
36	19.016	2750	2754	2759	rVB	44927	64309	4.98%	0.490%
37	19.216	2784	2788	2792	rBV4	11203	14292	1.11%	0.109%
38	19.386	2811	2817	2821	rBV2	24683	42632	3.30%	0.325%
39	19.474	2829	2832	2836	rVV2	22305	28636	2.22%	0.218%
40	19.521	2836	2840	2849	rVB4	35953	69085	5.35%	0.526%
41	19.657	2856	2863	2868	rBV	923416	1292239	100.00%	9.847%
42	19.745	2873	2878	2881	rVB3	21204	34843	2.70%	0.266%
43	19.780	2881	2884	2889	rVB5	16071	17898	1.39%	0.136%
44	19.839	2889	2894	2897	rBV5	14517	22942	1.78%	0.175%
45	19.892	2897	2903	2912	rVB2	27618	55701	4.31%	0.424%
46	19.980	2912	2918	2920	rBV3	178107	292468	22.63%	2.229%
47	20.015	2920	2924	2931	rVB	694367	976146	75.54%	7.439%
48	20.074	2931	2934	2939	rVB3	28564	37481	2.90%	0.286%
49	20.179	2946	2952	2956	rBV	39690	58552	4.53%	0.446%
50	20.244	2956	2963	2970	rVB	41373	77637	6.01%	0.592%
51	20.320	2970	2976	2983	rBV4	40422	101905	7.89%	0.777%
52	20.379	2983	2986	2991	rVB	17525	22072	1.71%	0.168%
53	20.456	2992	2999	3000	rBV5	27366	40541	3.14%	0.309%
54	20.491	3001	3005	3010	rVB	99738	145337	11.25%	1.108%
55	20.591	3017	3022	3026	rBV	87564	120227	9.30%	0.916%
56	20.649	3026	3032	3036	rVV2	46215	87399	6.76%	0.666%
57	20.685	3036	3038	3042	rVB	23785	26736	2.07%	0.204%
58	20.726	3042	3045	3050	rVB3	11920	18528	1.43%	0.141%
59	20.790	3052	3056	3059	rBV2	24855	33454	2.59%	0.255%
60	20.837	3060	3064	3068	rVB3	29073	37329	2.89%	0.284%
61	20.955	3081	3084	3088	rVV2	10713	16758	1.30%	0.128%
62	21.055	3096	3101	3103	rBV4	8433	12826	0.99%	0.098%
63	21.084	3103	3106	3110	rVV6	16085	29497	2.28%	0.225%
64	21.125	3110	3113	3119	rVV5	11733	23344	1.81%	0.178%
65	21.213	3125	3128	3133	rVV6	11447	22055	1.71%	0.168%
66	21.266	3133	3137	3146	rVV	37540	68785	5.32%	0.524%
67	21.460	3160	3170	3174	rBV3	44232	103717	8.03%	0.790%
68	21.507	3174	3178	3182	rVV	56039	94149	7.29%	0.717%
69	21.560	3182	3187	3191	rVV3	55642	110733	8.57%	0.844%
70	21.613	3191	3196	3206	rVB2	48087	94828	7.34%	0.723%
71	21.748	3210	3219	3227	rBV3	15320	55050	4.26%	0.419%

LSC Area Percent Report

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Data File : BG020785.D
Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

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-BG012716.M
Title : SVOA CALIBRATION

72	21.836	3230	3234	3235	rVV2	19348	25805	2.00%	0.197%
73	21.883	3235	3242	3249	rVV3	397007	1021044	79.01%	7.781%
74	21.948	3249	3253	3266	rVB	276241	471218	36.47%	3.591%
75	22.106	3274	3280	3287	rBV	54928	100400	7.77%	0.765%
76	22.171	3287	3291	3295	rVV3	13634	25999	2.01%	0.198%
77	22.247	3297	3304	3311	rVB2	27157	63175	4.89%	0.481%
78	22.318	3311	3316	3324	rBV2	39886	80708	6.25%	0.615%
79	22.576	3357	3360	3364	rVV2	11092	17828	1.38%	0.136%
80	22.658	3367	3374	3381	rVV2	35579	83622	6.47%	0.637%
81	22.729	3381	3386	3395	rVB2	26901	57976	4.49%	0.442%
82	22.829	3399	3403	3406	rVV6	7537	14474	1.12%	0.110%
83	22.876	3407	3411	3417	rVV3	17206	36642	2.84%	0.279%
84	22.946	3417	3423	3427	rVV3	22919	47637	3.69%	0.363%
85	22.993	3427	3431	3438	rVB4	31058	60966	4.72%	0.465%
86	23.093	3441	3448	3459	rVV7	18241	56433	4.37%	0.430%
87	23.357	3486	3493	3497	rBV2	13193	31497	2.44%	0.240%
88	23.563	3521	3528	3531	rVV7	10736	26008	2.01%	0.198%
89	23.816	3567	3571	3576	rVB5	7979	15466	1.20%	0.118%
90	24.203	3626	3637	3645	rBV	171950	629625	48.72%	4.798%
91	24.468	3676	3682	3690	rVB2	33801	82367	6.37%	0.628%
92	24.685	3713	3719	3724	rBV6	11565	26968	2.09%	0.206%
93	24.961	3757	3766	3775	rBV	85969	243025	18.81%	1.852%
94	25.120	3784	3793	3807	rVB	150657	450966	34.90%	3.437%
95	25.278	3809	3820	3828	rBV2	108639	341257	26.41%	2.600%
96	25.355	3828	3833	3846	rVB	45096	140050	10.84%	1.067%
97	29.144	4465	4478	4503	rVB3	62998	340743	26.37%	2.597%
98	29.655	4555	4565	4575	rVV4	12317	53981	4.18%	0.411%
99	30.360	4666	4685	4700	rBV4	45234	236604	18.31%	1.803%
100	31.000	4779	4794	4804	rBV4	12623	62309	4.82%	0.475%

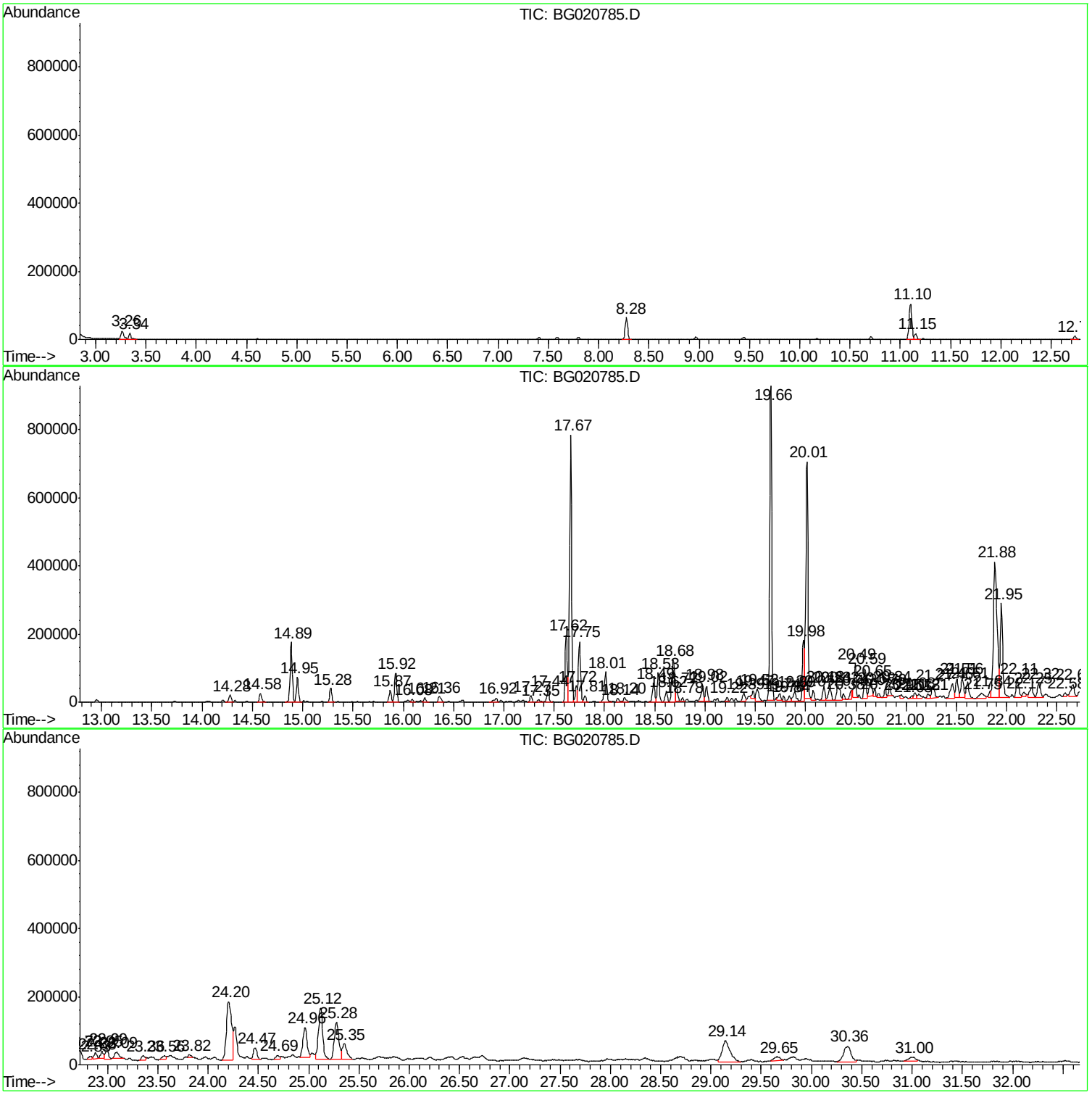
Sum of corrected areas: 13122791

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020785.D
Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.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\BG020416\
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Sample : H1334-17 5X
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Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

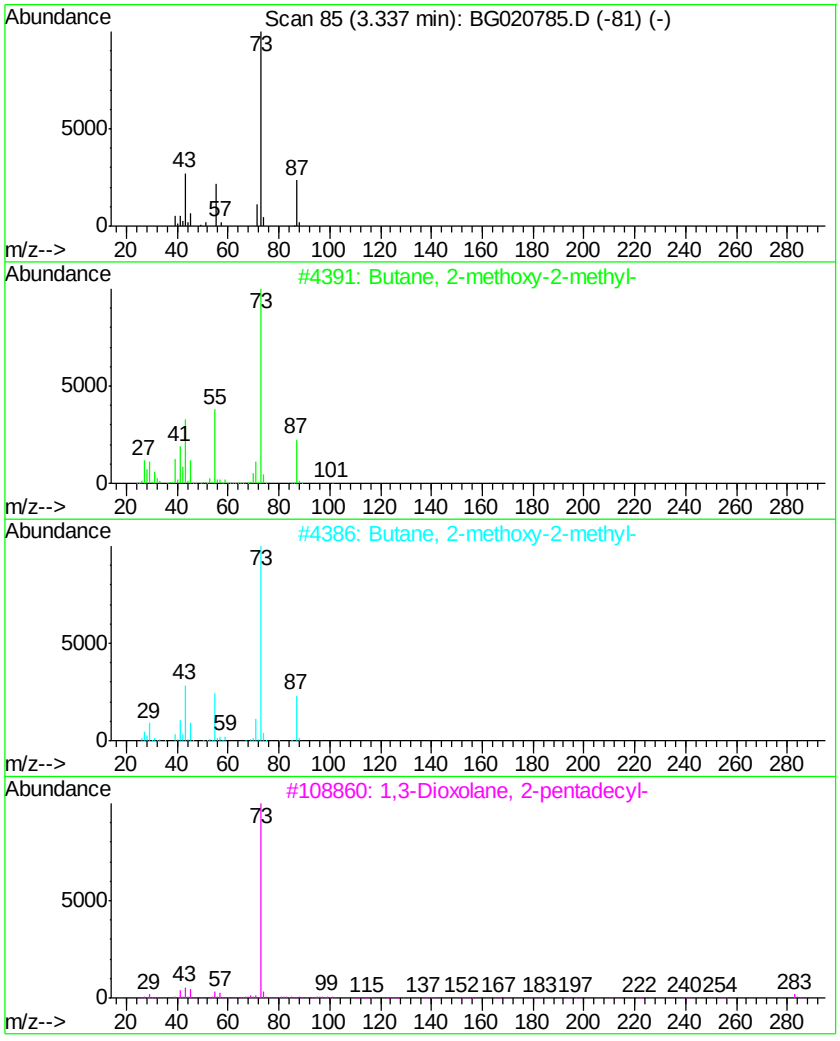
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

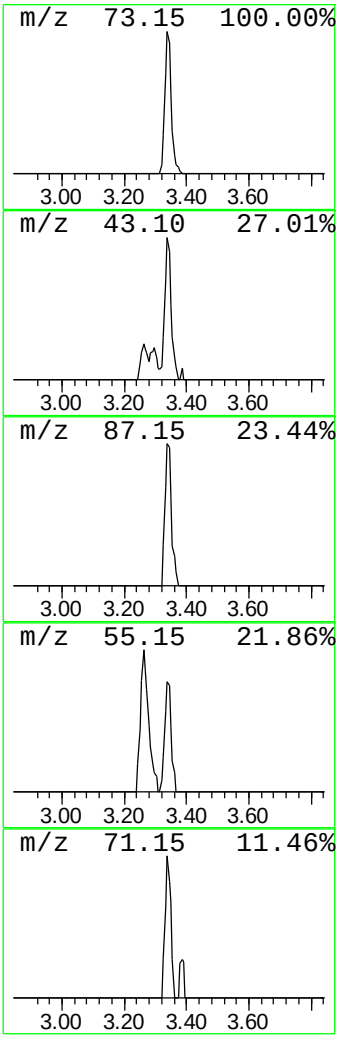
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.34	5.04 ng/ul	26956	1,4-Dichlorobenzene-d4	8.28

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	64
3	1,3-Dioxolane, 2-pentadecyl-	284	C18H36O2	004360-57-0	9
4	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	7





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020785.D
Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

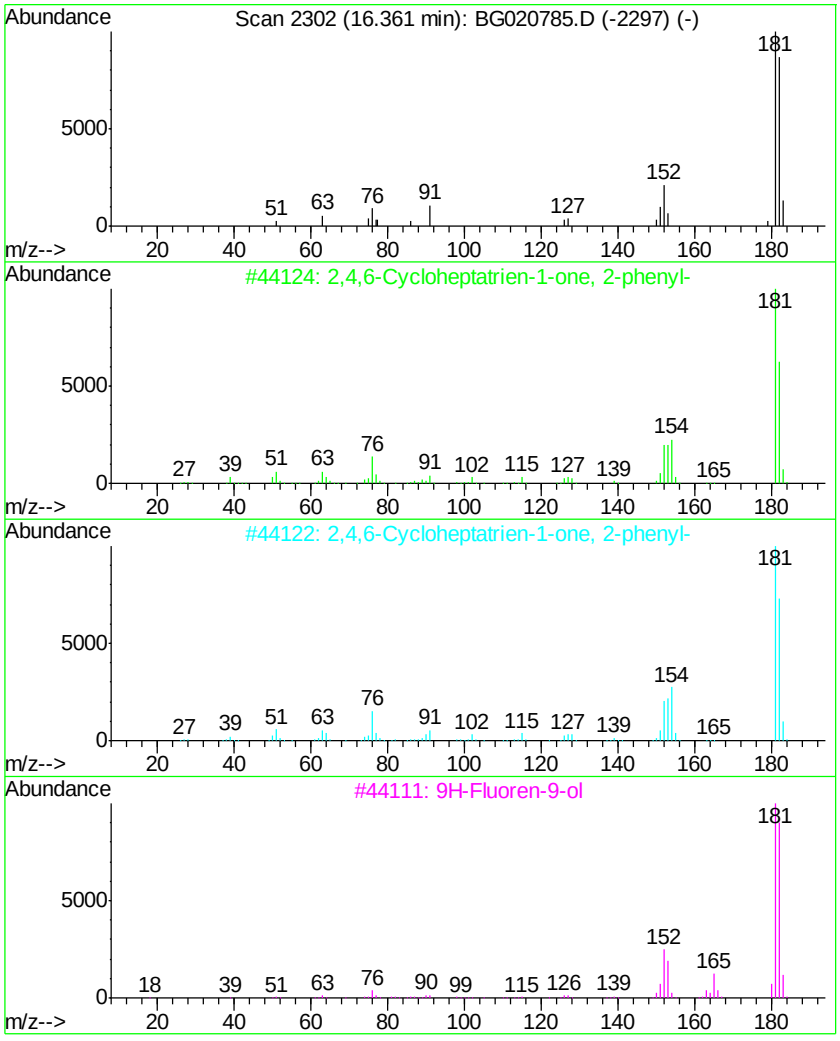
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

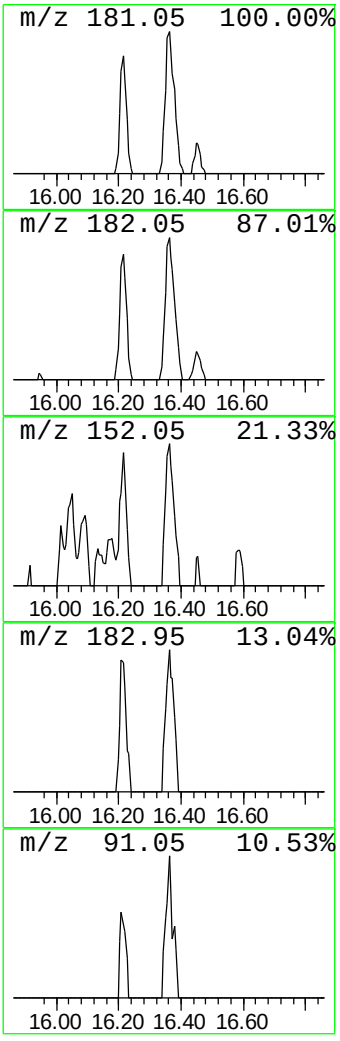
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	2.09 ng/ul	30947	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	78
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
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Operator : SJ/IZ
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Misc :
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Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

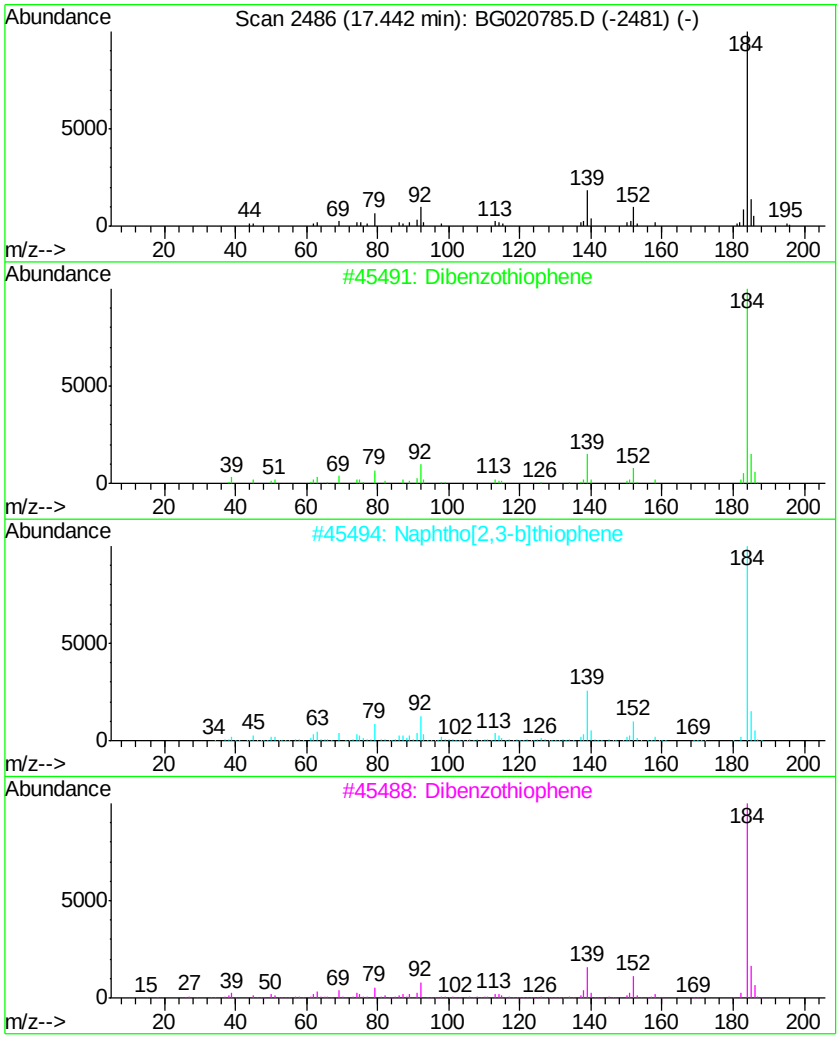
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

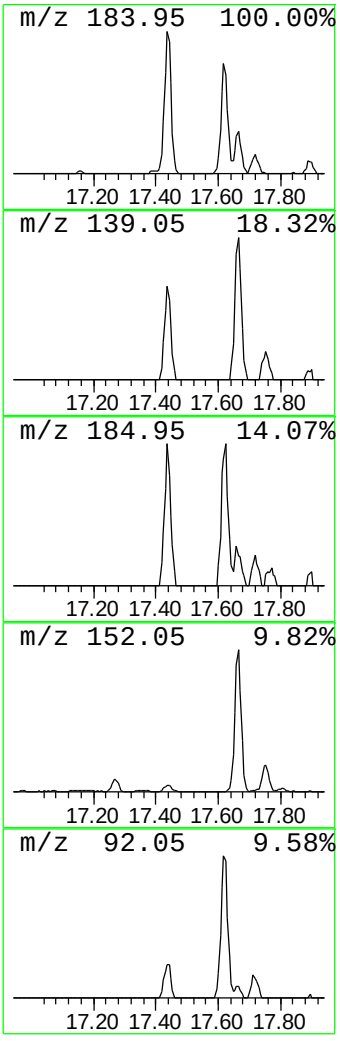
****

Peak Number 4 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	3.43 ng/ul	50754	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020785.D
Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

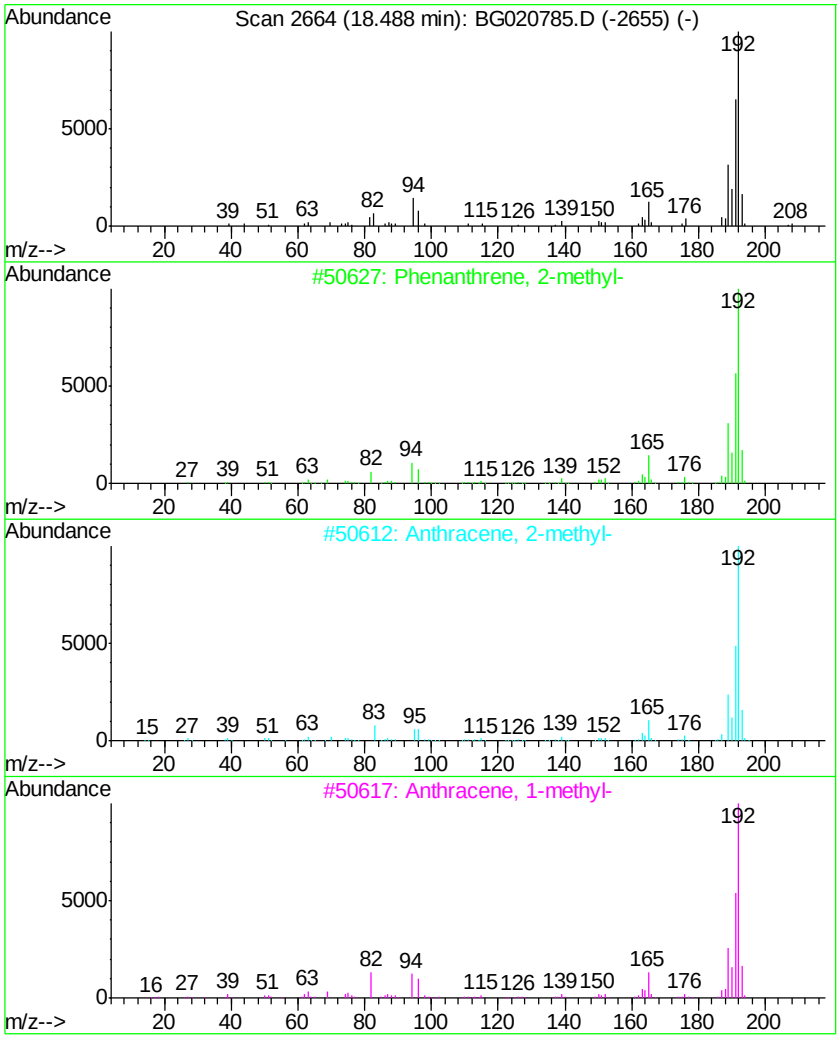
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

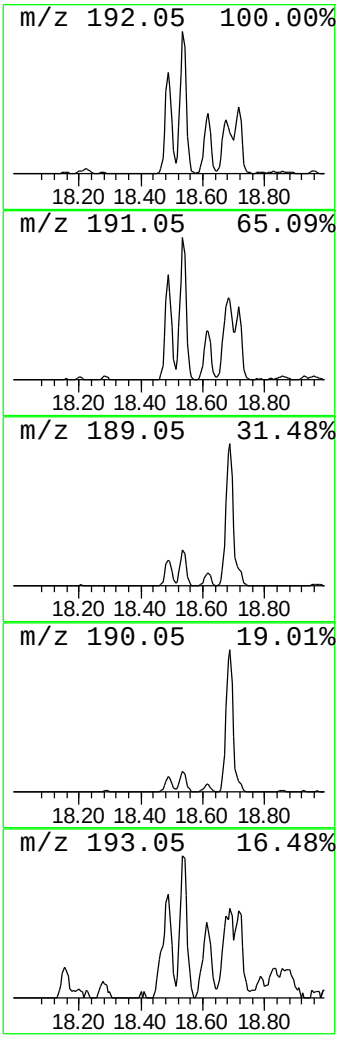
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	5.99 ng/ul	88597	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020785.D
Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

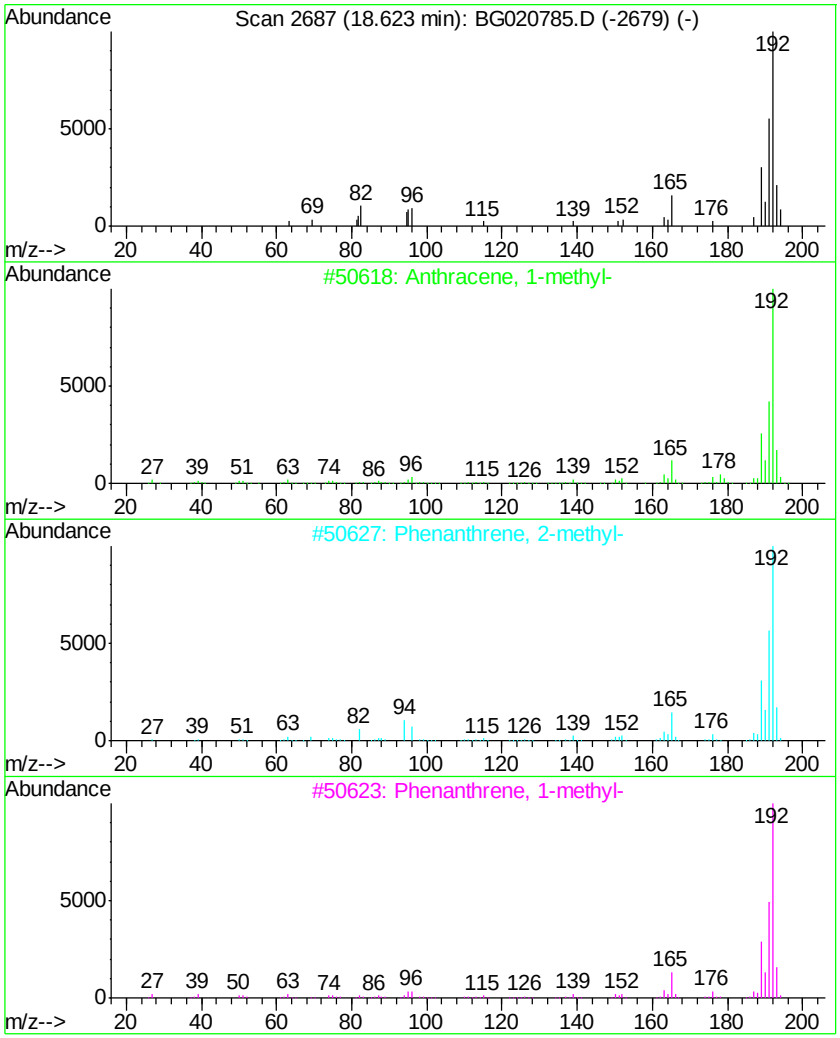
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

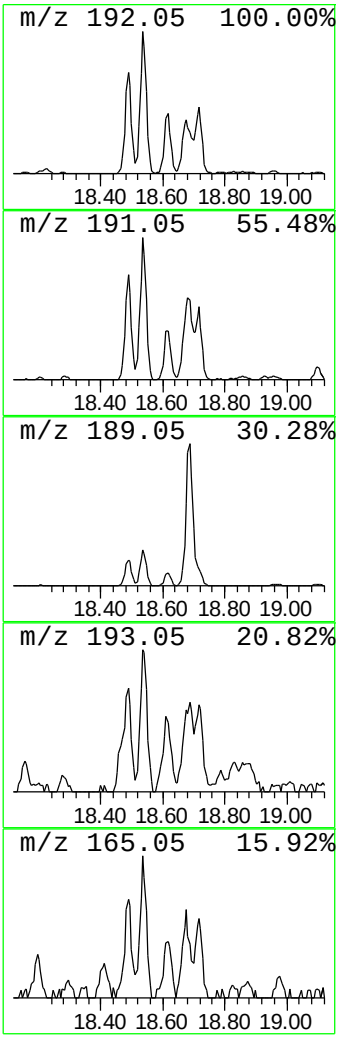
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.33 ng/ul	49270	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Library Search Compound Report

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Data File : BG020785.D
Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

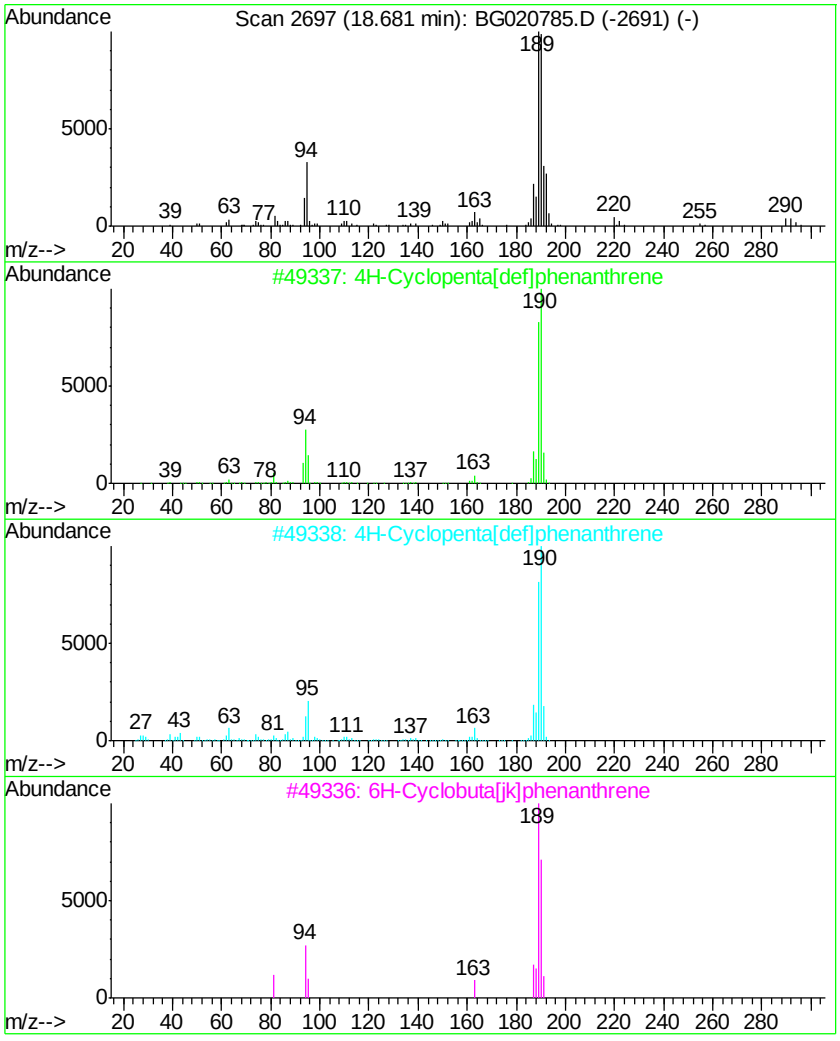
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

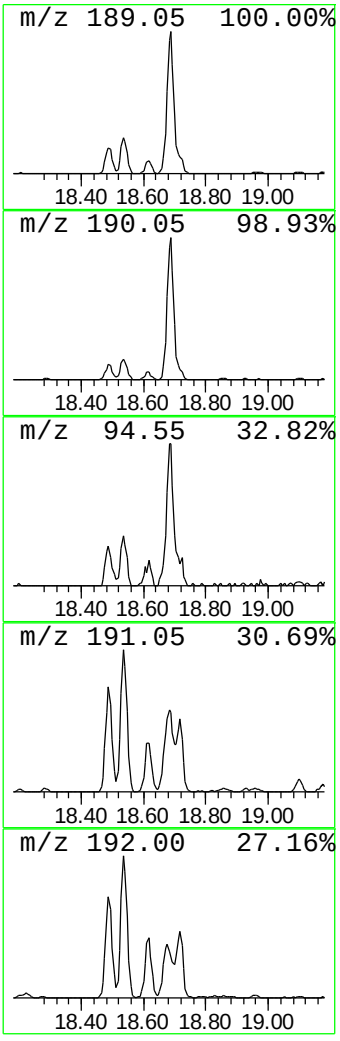
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	15.38 ng/ul	227305	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





Library Search Compound Report

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Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

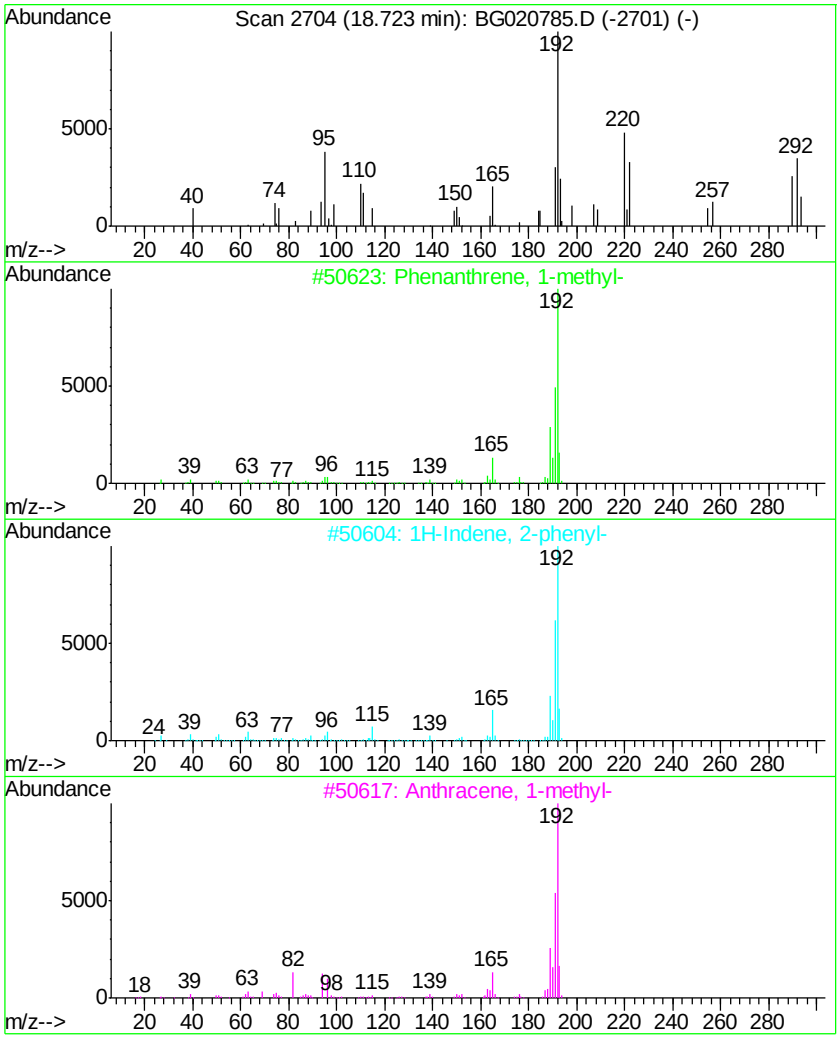
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

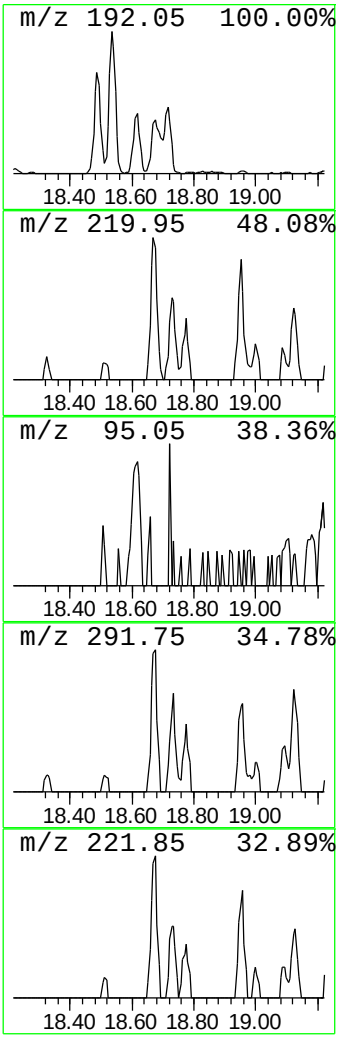
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	3.73 ng/ul	55118	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	68
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	68





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Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

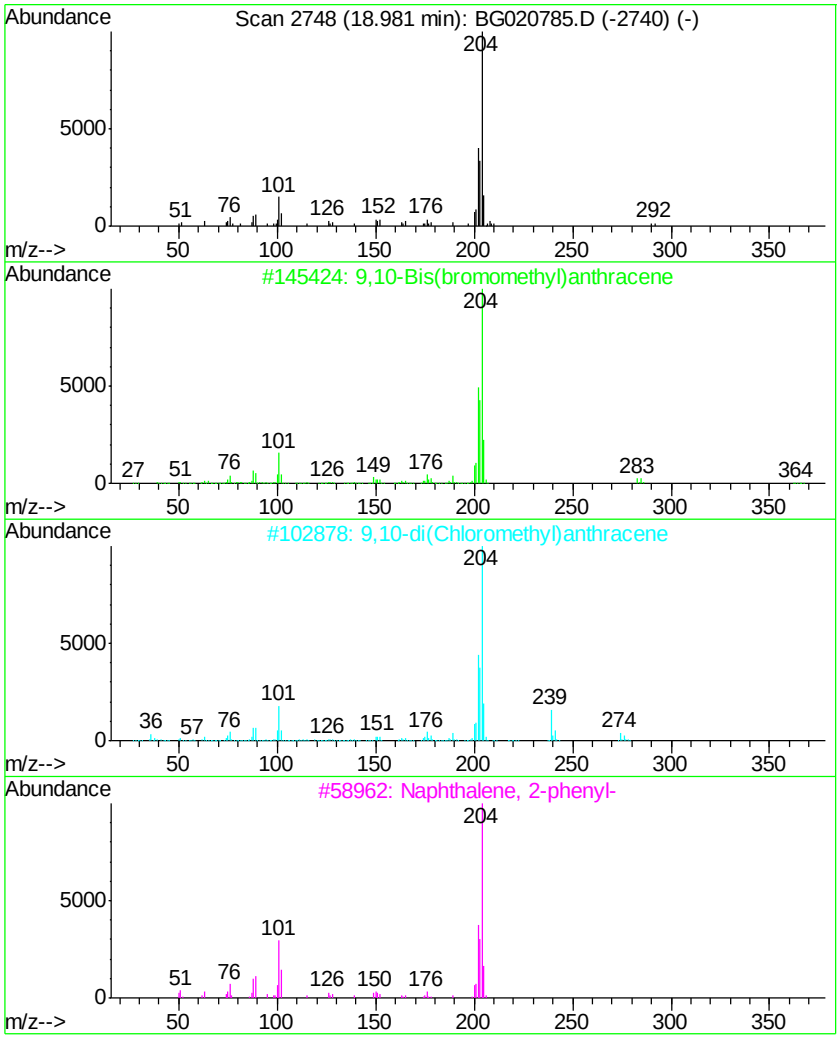
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

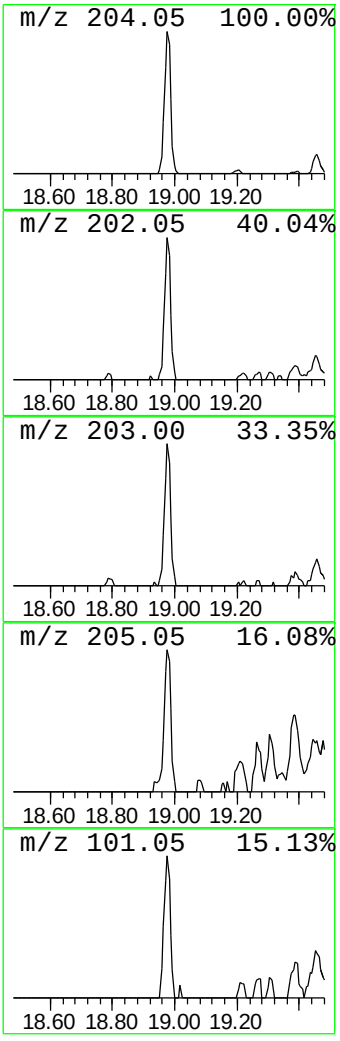
****

Peak Number 10 9,10-Bis(bromomethyl)anthra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	5.69 ng/ul	84095	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	87
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78





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Data File : BG020785.D
Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

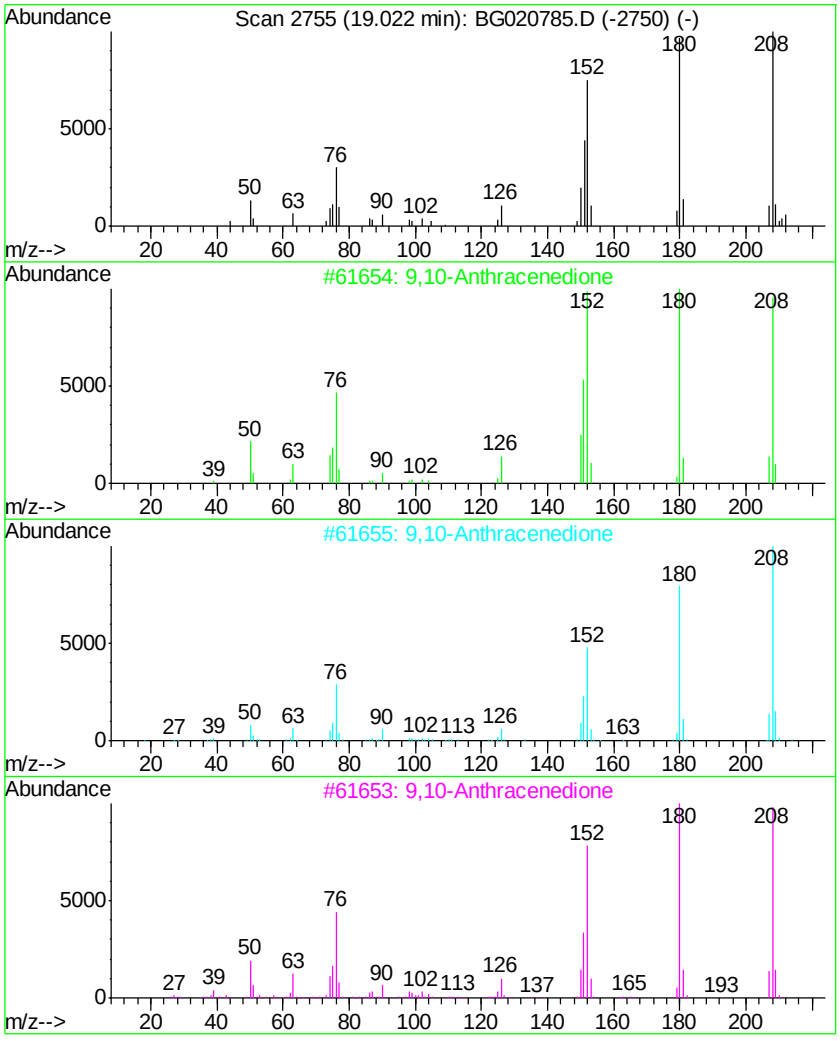
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

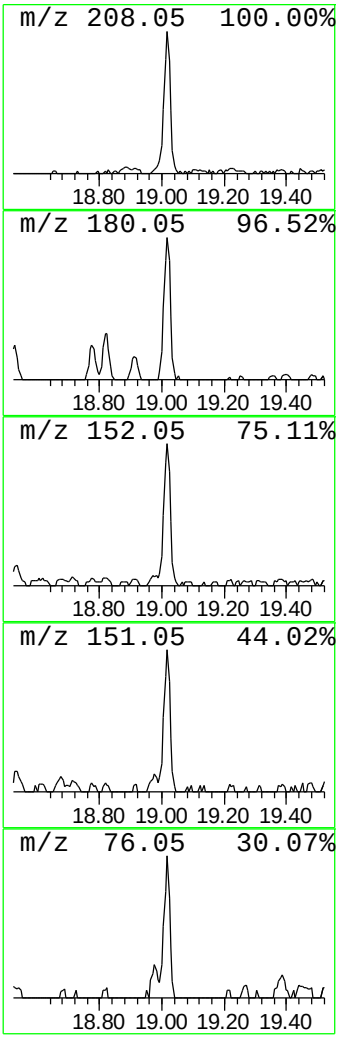
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	4.35 ng/ul	64309	Phenanthrene-d10	17.62

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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Data File : BG020785.D
Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

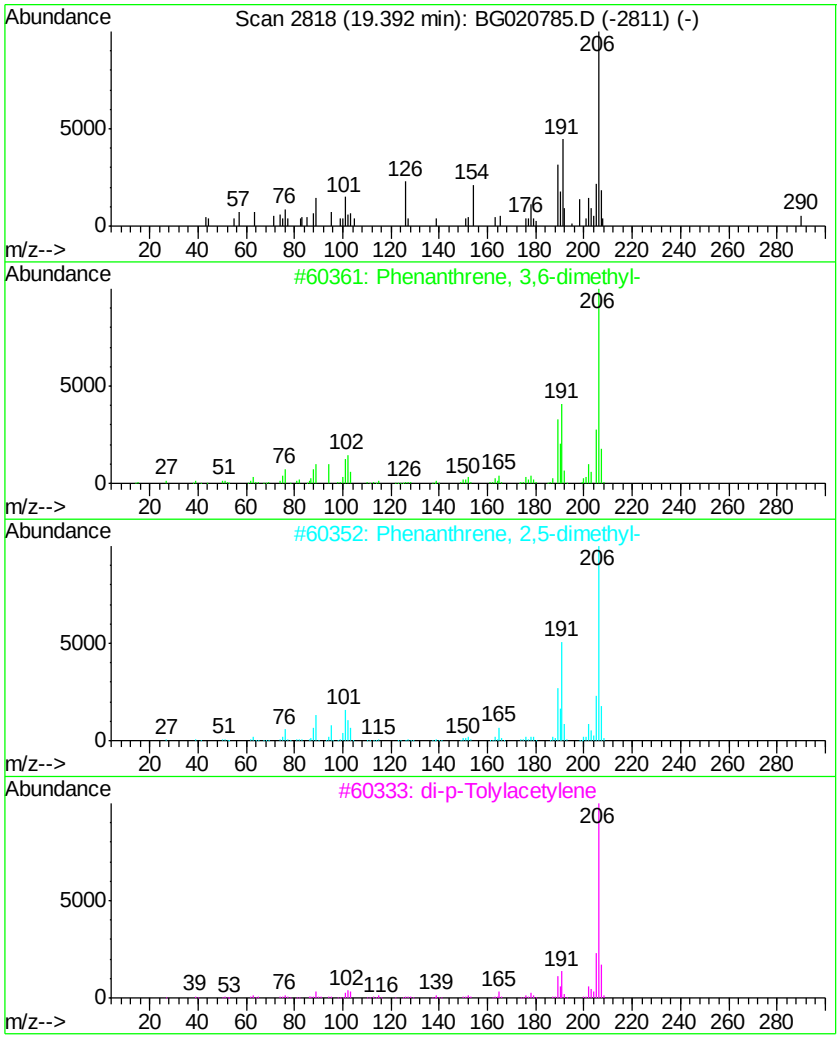
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

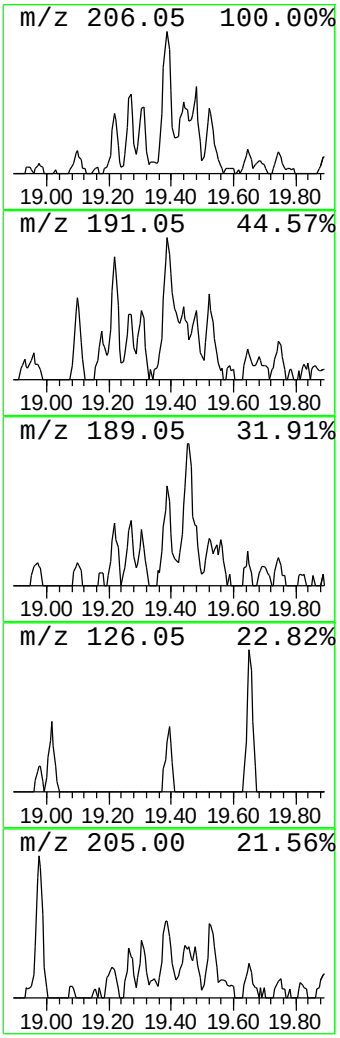
****

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	2.88 ng/ul	42632	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





Library Search Compound Report

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Data File : BG020785.D
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Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

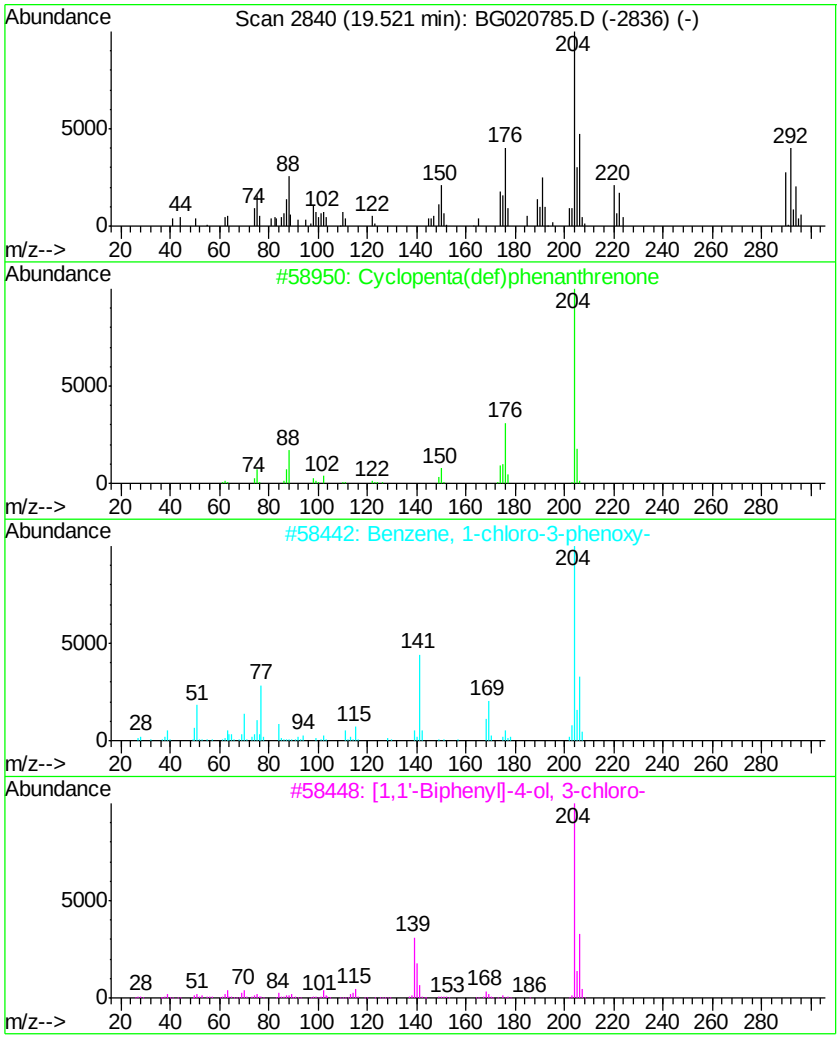
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

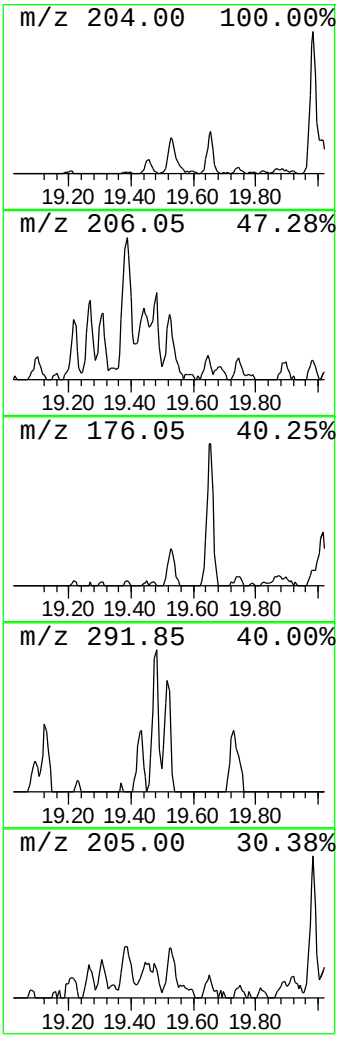
****

Peak Number 13 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	4.67 ng/ul	69085	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	38
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	35
3	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	30
4	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	30
5	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	30





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Data File : BG020785.D
Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

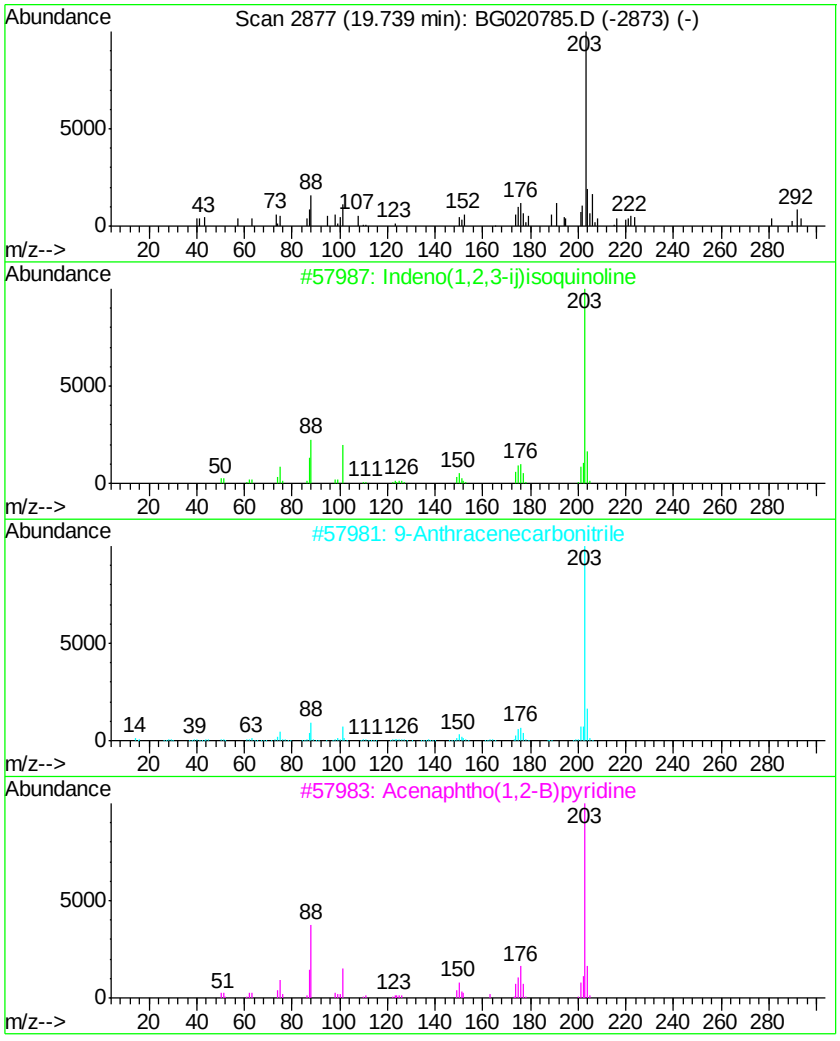
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

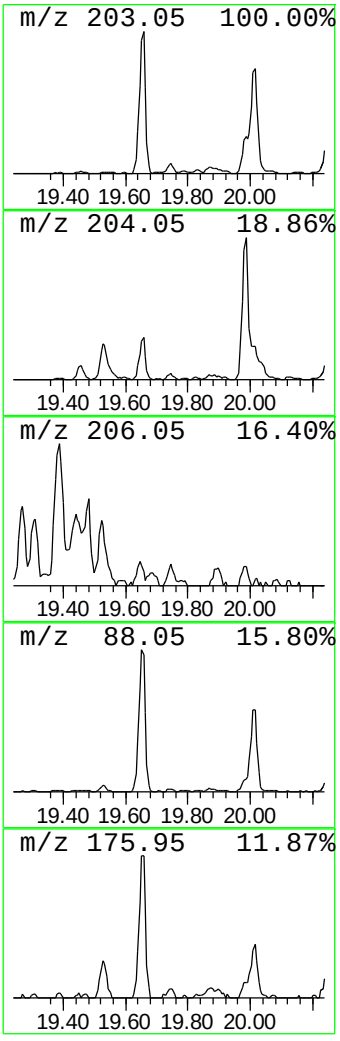
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Indeno(1,2,3-ij)isoquinoline Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	2.36 ng/ul	34843	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	89
2	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	70
3	Acenaphtho(1,2-B)pyridine	203	C15H9N	000206-49-5	70
4	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	70
5	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	70





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Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

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Quant Title : SVOA CALIBRATION

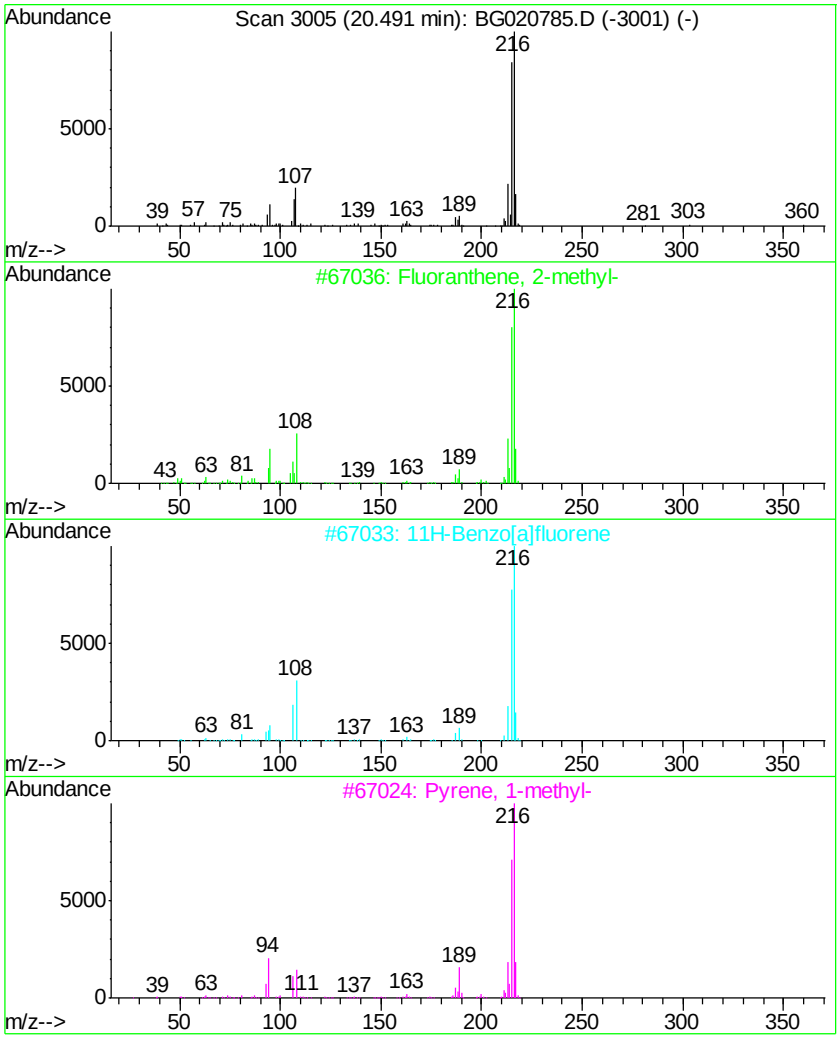
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

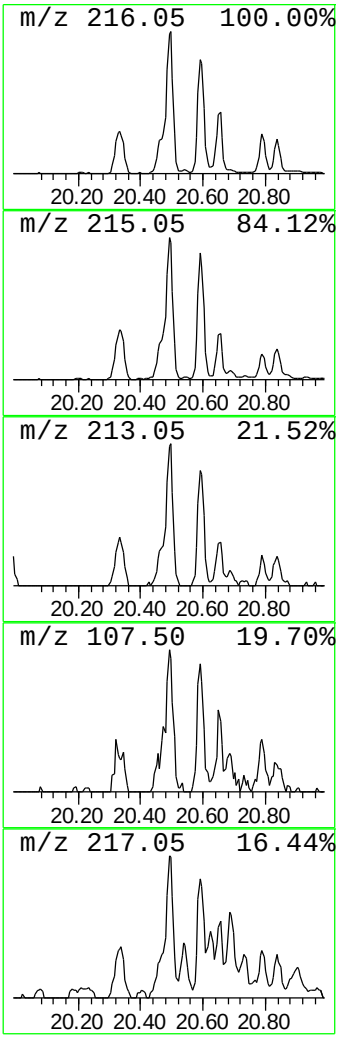
****

Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	2.85 ng/ul	145337	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Library Search Compound Report

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Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

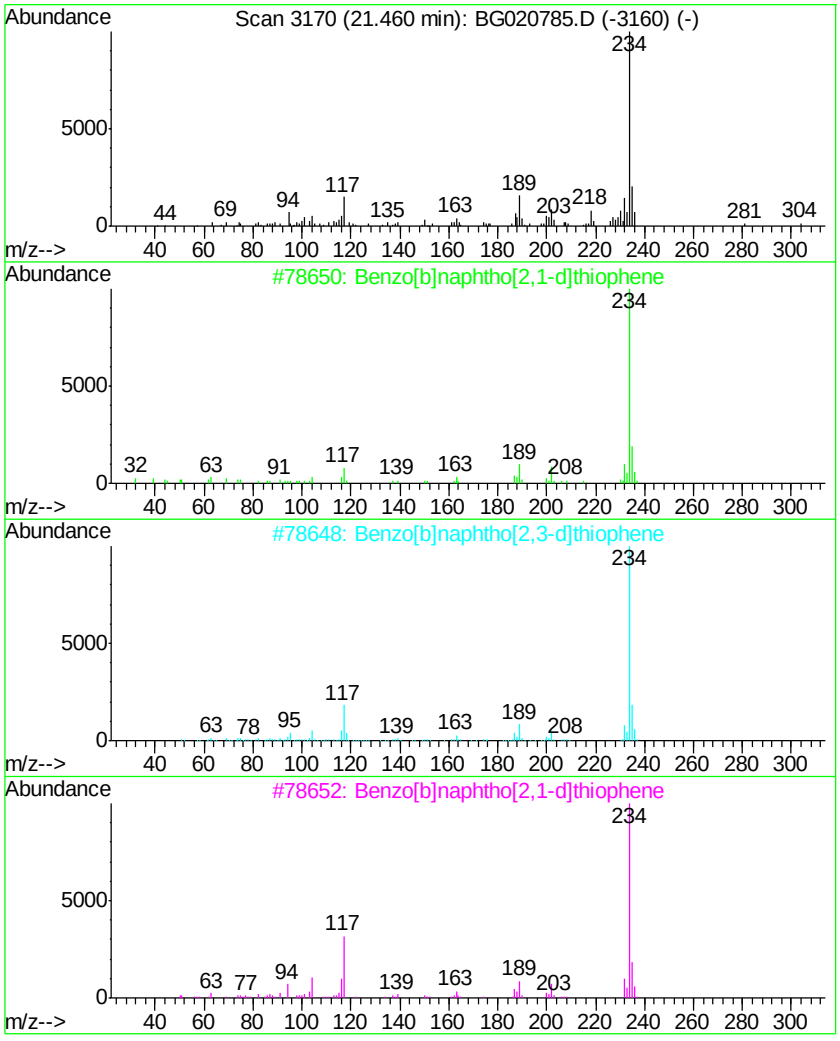
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

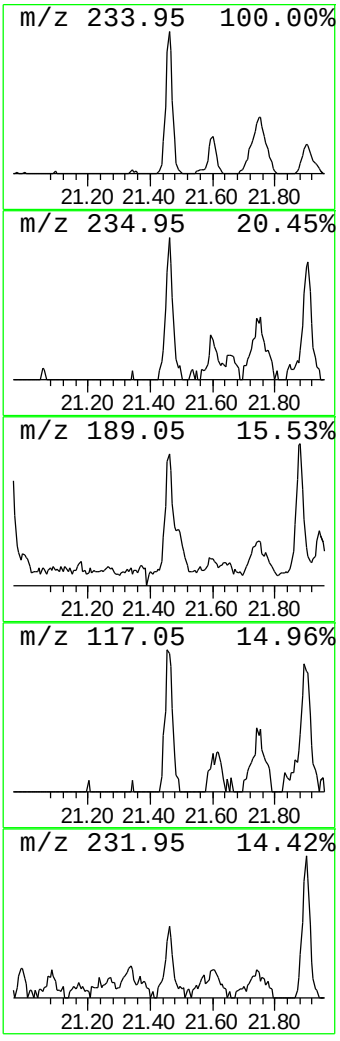
****

Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	2.03 ng/ul	103717	Chrysene-d12	21.90

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	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91





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Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

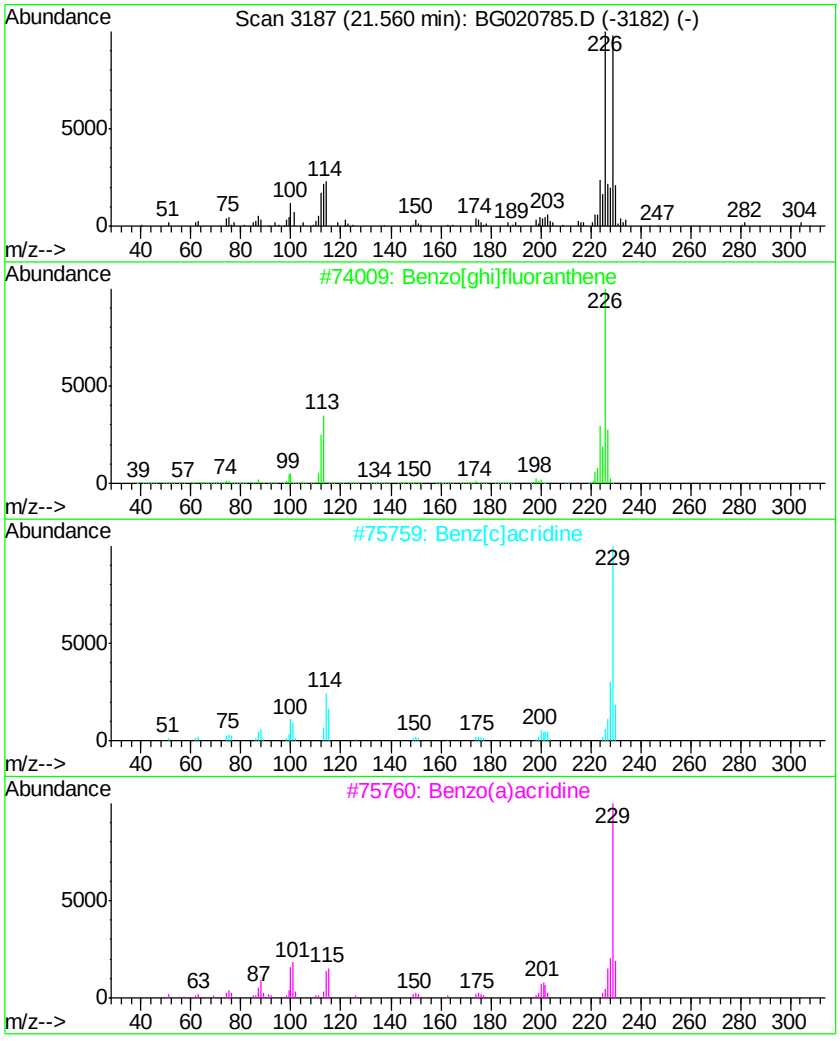
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

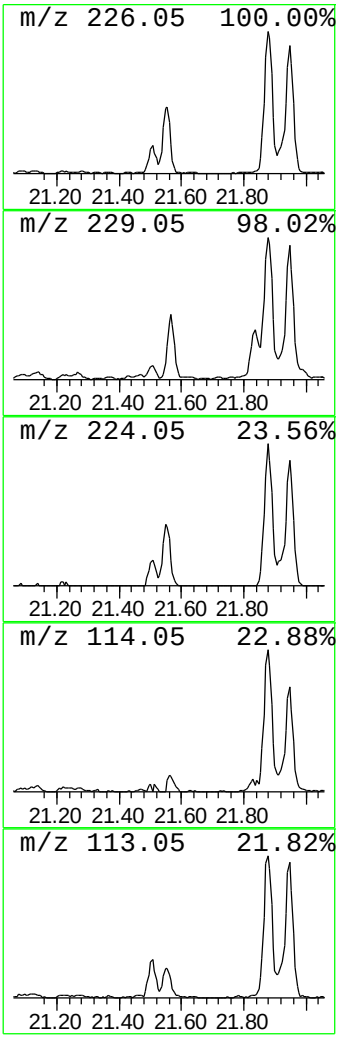
****

Peak Number 18 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	2.17 ng/ul	110733	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46
2	Benz[c]acridine	229	C17H11N	000225-51-4	46
3	Benzo(a)acridine	229	C17H11N	000225-11-6	38
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	38
5	2-(3-Fluorophenyl)-1,3-benzothia...	229	C13H8FNS	1000298-18-6	27





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

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

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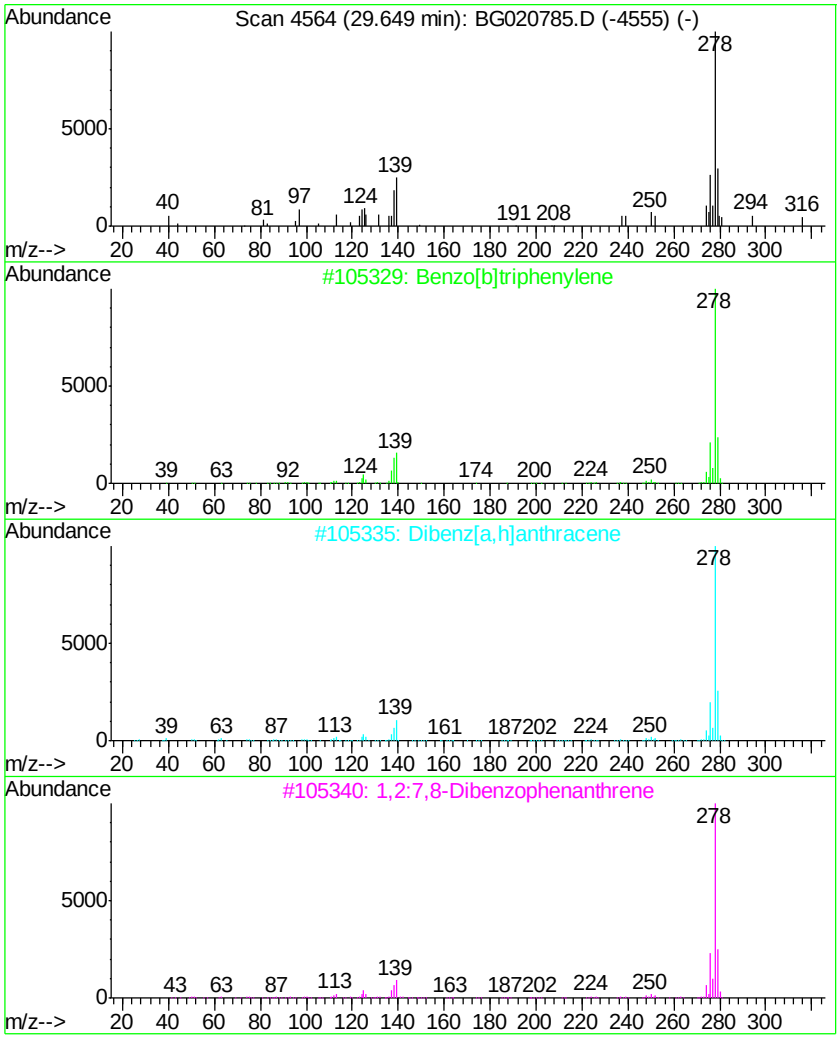
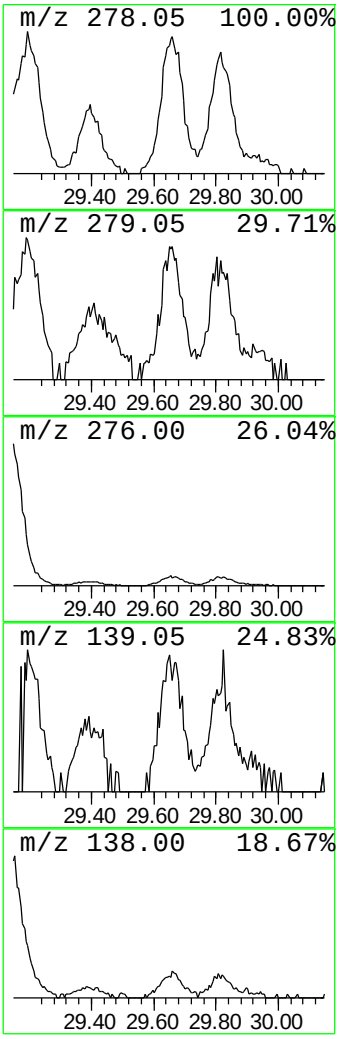
Peak Number 22 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.65	3.16 ng/ul	53981	Perylene-d12	25.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	70
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	70
4	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	70
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70





Tentatively Identified Compound (LSC) summary

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Data File : BG020785.D
Acq On : 4 Feb 2016 13:53
Operator : SJ/IZ
Sample : H1334-17 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG14

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.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...	3.34	5.0	ng/ul	26956	1	8.28	107059	20.0
2,4,6-Cycloheptat...	16.36	2.1	ng/ul	30947	4	17.62	295671	20.0
Dibenzothiophene	17.44	3.4	ng/ul	50754	4	17.62	295671	20.0
Phenanthrene, 2-m...	18.49	6.0	ng/ul	88597	4	17.62	295671	20.0
Anthracene, 1-met...	18.62	3.3	ng/ul	49270	4	17.62	295671	20.0
4H-Cyclopenta[def...	18.68	15.4	ng/ul	227305	4	17.62	295671	20.0
Phenanthrene, 1-m...	18.72	3.7	ng/ul	55118	4	17.62	295671	20.0
9,10-Bis(bromomet...	18.98	5.7	ng/ul	84095	4	17.62	295671	20.0
9,10-Anthracenedione	19.02	4.3	ng/ul	64309	4	17.62	295671	20.0
Phenanthrene, 3,6...	19.39	2.9	ng/ul	42632	4	17.62	295671	20.0
unknown-01	19.52	4.7	ng/ul	69085	4	17.62	295671	20.0
Indeno(1,2,3-ij)i...	19.74	2.4	ng/ul	34843	4	17.62	295671	20.0
Fluoranthene, 2-m...	20.49	2.9	ng/ul	145337	5	21.90	1021040	20.0
Benzo[b]naphtho[2...	21.46	2.0	ng/ul	103717	5	21.90	1021040	20.0
unknown-02	21.56	2.2	ng/ul	110733	5	21.90	1021040	20.0
Benzo[b]triphenylene	29.65	3.2	ng/ul	53981	6	25.28	341257	20.0