LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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	3.157	7	12	27	rVB	420126	689917	10.57%	0.897%
2	8.034	834	842	851	rBV	276615	488042	7.47%	0.635%
3	10.860	1314	1323	1328	rBV	404422	747871	11.45%	0.972%
4	12.517	1596	1605	1613	rBV	95961	168258	2.58%	0.219%
5	12.734	1634	1642	1650	rBV	87373	148596	2.28%	0.193%
6	13.722	1804	1810	1820	rVB	59949	117771	1.80%	0.153%
7	13.868	1826	1835	1843	rBV3	58437	154341	2.36%	0.201%
8	14.015	1852	1860	1865	rBV	114225	210258	3.22%	0.273%
9	14.092	1865	1873	1877	rVV2	156095	325883	4.99%	0.424%
10	14.385	1916	1923	1939	rBV	198092	386362	5.92%	0.502%
11	14.691	1964	1975	1981	rBV	705391	1188764	18.20%	1.546%
12	14.756	1981	1986	1994	rVB	232741	384407	5.89%	0.500%
13	14.903	2005	2011	2020	rBV	67101	168430	2.58%	0.219%
14	14.996	2020	2027	2034	rBV2	65087	138610	2.12%	0.180%
15	15.091	2034	2043	2049	rVB3	83642	162793	2.49%	0.212%
16	15.684	2129	2144	2149	rBV	237402	458048	7.01%	0.596%
17	15.743	2149	2154	2158	rVB	175784	254266	3.89%	0.331%
18	15.866	2172	2175	2178	rVV2	98170	128887	1.97%	0.168%
19	15.907	2178	2182	2186	rVB3	94487	144719	2.22%	0.188%
20	16.412	2259	2268	2275	rVB6	77132	172796	2.65%	0.225%
21	16.753	2314	2326	2330	rBV3	109722	310508	4.76%	0.404%
22	16.800	2330	2334	2340	rVB2	94384	151331	2.32%	0.197%
23	16.900	2348	2351	2356	rVB	87243	124838	1.91%	0.162%
24	16.953	2356	2360	2367	rBV3	60806	155954	2.39%	0.203%
25	17.094	2379	2384	2391	rVB3	97819	180927	2.77%	0.235%
26	17.264	2408	2413	2422	rVB	197934	330261	5.06%	0.429%
27	17.447	2438	2444	2447	rBV2	861169	1325395	20.30%	1.723%
28	17.488	2447	2451	2457	rVV	2162482	3324135	50.91%	4.322%
29	17.546	2457	2461	2463	rVV2	286662	449234	6.88%	0.584%
30	17.576	2463	2466	2472	rVV	501592	754853	11.56%	0.981%
31	17.635	2472	2476	2481	rVV3	73435	151918	2.33%	0.198%
32	18.028	2537	2543	2550	rBV	298565	448907	6.87%	0.584%
33	18.175	2562	2568	2575	rVB	155562	307479	4.71%	0.400%
34	18.246	2575	2580	2584	rBV4	81186	132096	2.02%	0.172%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

35	18.328	2588	2594	2598	rVV	871372	1386193	21.23%	1.802%
36	18.375	2598	2602	2610	rVB	1082280	1555152	23.82%	2.022%
37	18.457	2610	2616	2620	rBV	321594	525666	8.05%	0.683%
38	18.516	2620	2626	2630	rVV2	969691	1883907	28.85%	2.449%
39	18.557	2630	2633	2640	rVB	666001	954393	14.62%	1.241%
40	18.722	2656	2661	2665	rBV2	134350	197584	3.03%	0.257%
41	18.821	2673	2678	2681	rBV2	421607	604738	9.26%	0.786%
42	18.857	2681	2684	2695	rVB2	334164	663079	10.15%	0.862%
43	18.945	2695	2699	2704	rBV	170590	261651	4.01%	0.340%
44	19.039	2711	2715	2716	rBV	135498	148786	2.28%	0.193%
45	19.068	2716	2720	2724	rVV	355130	541221	8.29%	0.704%
46	19.115	2724	2728	2732	rVV	255322	417012	6.39%	0.542%
47	19.156	2732	2735	2739	rVB2	223368	293116	4.49%	0.381%
48	19.239	2744	2749	2754	rBV	742073	1228628	18.82%	1.597%
49	19.303	2754	2760	2763	rVV4	229155	403398	6.18%	0.524%
50	19.380	2768	2773	2780	rBV3	399741	853918	13.08%	1.110%
51	19.503	2788	2794	2800	rVV	2477414	3457321	52.95%	4.495%
52	19.562	2800	2804	2807	rVV2	157288	219358	3.36%	0.285%
53	19.597	2807	2810	2815	rVB	199687	265720	4.07%	0.345%
54	19.691	2821	2826	2830	rBV3	160401	257465	3.94%	0.335%
55	19.744	2830	2835	2838	rBV2	246560	340398	5.21%	0.443%
56	19.779	2838	2841	2845	rVB	146814	199154	3.05%	0.259%
57	19.867	2845	2856	2863	rBV	3307904	6530012	100.00%	8.490%
58	19.938	2863	2868	2874	rVB2	288136	543619	8.32%	0.707%
59	20.096	2891	2895	2900	rVB2	176216	298587	4.57%	0.388%
60	20.196	2904	2912	2920	rBV2	499517	1265210	19.38%	1.645%
61	20.273	2921	2925	2928	rBV2	122875	194329	2.98%	0.253%
62	20.320	2928	2933	2934	rVV4	381562	501812	7.68%	0.652%
63	20.349	2935	2938	2943	rVB	718711	1102124	16.88%	1.433%
64	20.455	2948	2956	2960	rBV2	490199	851853	13.05%	1.108%
65	20.514	2961	2966	2970	rBV	831822	1229074	18.82%	1.598%
66	20.549	2970	2972	2977	rVB2	218024	274898	4.21%	0.357%
67	20.655	2985	2990	2993	rBV	672758	897304	13.74%	1.167%
68	20.696	2993	2997	3001	rVB	601145	808863	12.39%	1.052%
69	20.807	3013	3016	3022	rVB5	145325	247817	3.80%	0.322%
70	20.913	3030	3034	3036	rBV2	86888	131598	2.02%	0.171%
71	20.948	3036	3040	3043	rBV2	113773	192744	2.95%	0.251%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

72	21.025	3050	3053	3057	rVB3	144715	192526	2.95%	0.250%
73	21.083	3059	3063	3065	rVV3	123159	193154	2.96%	0.251%
74	21.119	3065	3069	3076	rVB	445881	774167	11.86%	1.007%
75	21.224	3083	3087	3092	rVB	132028	200703	3.07%	0.261%
76	21.307	3092	3101	3105	rBV3	565998	1258276	19.27%	1.636%
77	21.348	3105	3108	3112	rVV	429245	653924	10.01%	0.850%
78	21.395	3112	3116	3121	rVV2	257015	527954	8.09%	0.686%
79	21.454	3121	3126	3135	rVB2	334935	730192	11.18%	0.949%
80	21.589	3146	3149	3159	rVB2	149669	297412	4.55%	0.387%
81	21.718	3164	3171	3178	rVV2	2084636	5348002	81.90%	6.953%
82	21.783	3178	3182	3194	rVB	1901464	3399657	52.06%	4.420%
83	21.883	3195	3199	3204	rBV2	189698	313779	4.81%	0.408%
84	21.935	3204	3208	3213	rBV2	286186	461364	7.07%	0.600%
85	22.147	3240	3244	3250	rBV4	80444	199590	3.06%	0.259%
86	22.212	3251	3255	3267	rVB3	199089	454587	6.96%	0.591%
87	22.400	3283	3287	3291	rBV	189201	310150	4.75%	0.403%
88	22.482	3292	3301	3306	rVV	655910	1531519	23.45%	1.991%
89	22.552	3308	3313	3319	rVB	424418	821822	12.59%	1.068%
90	22.752	3342	3347	3351	rBV2	264602	511902	7.84%	0.666%
91	22.799	3352	3355	3361	rVB3	244048	454198	6.96%	0.591%
92	22.899	3366	3372	3381	rVB4	199447	499818	7.65%	0.650%
93	23.974	3546	3555	3563	rBV2	817242	2887696	44.22%	3.754%
94	24.103	3572	3577	3590	rVB5	152862	367053	5.62%	0.477%
95	24.227	3593	3598	3607	rVB	186736	408908	6.26%	0.532%
96	24.703	3671	3679	3687	rBV	573470	1644794	25.19%	2.138%
97	24.856	3697	3705	3719	rVB	904346	2638685	40.41%	3.431%
98	25.008	3723	3731	3738	rBV	526185	1491442	22.84%	1.939%
99	25.085	3740	3744	3752	rVB2	165331	396239	6.07%	0.515%
100	28.757	4358	4369	4393	rVB3	261596	1430662	21.91%	1.860%

Sum of corrected areas: 76914732

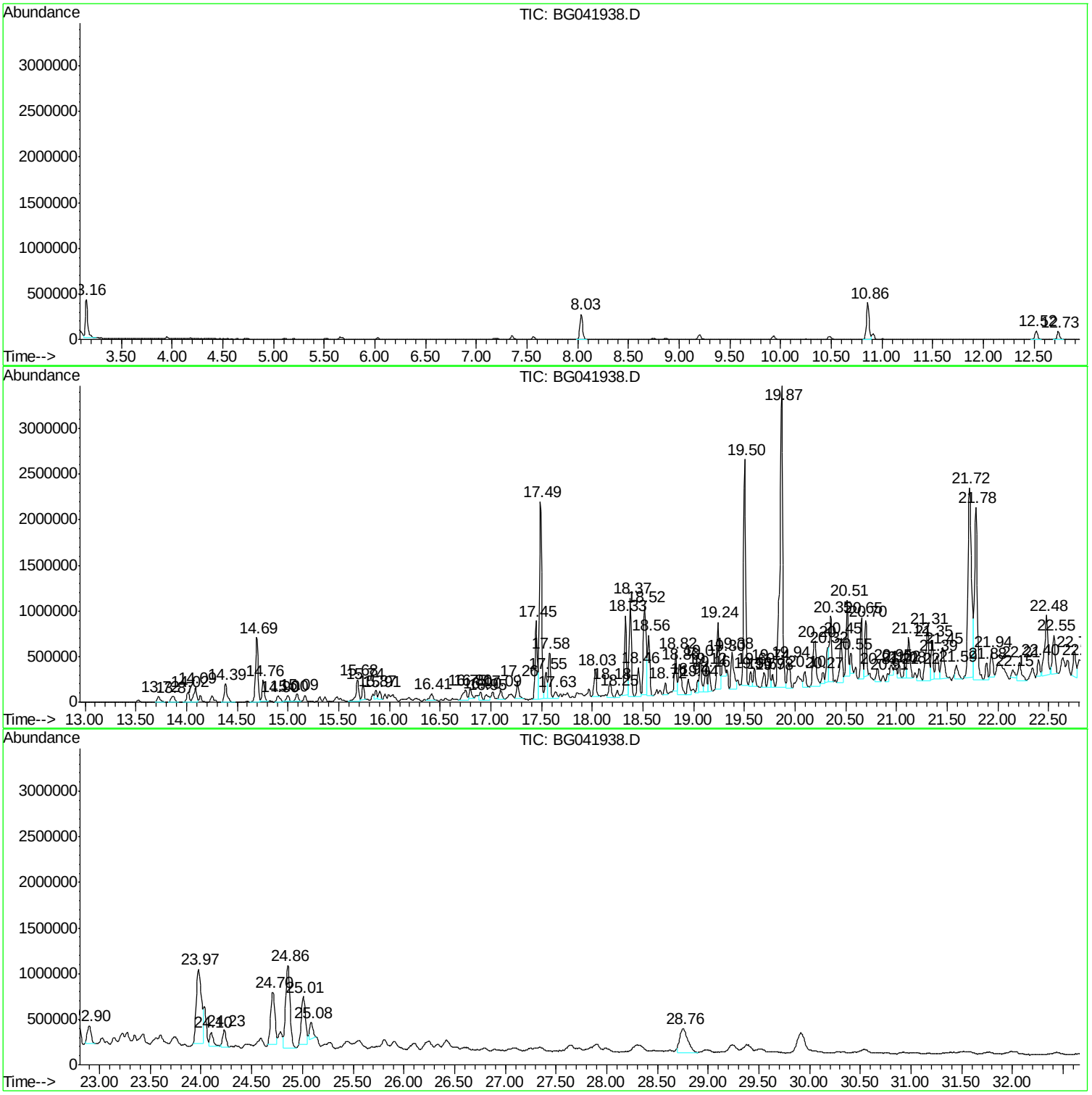
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

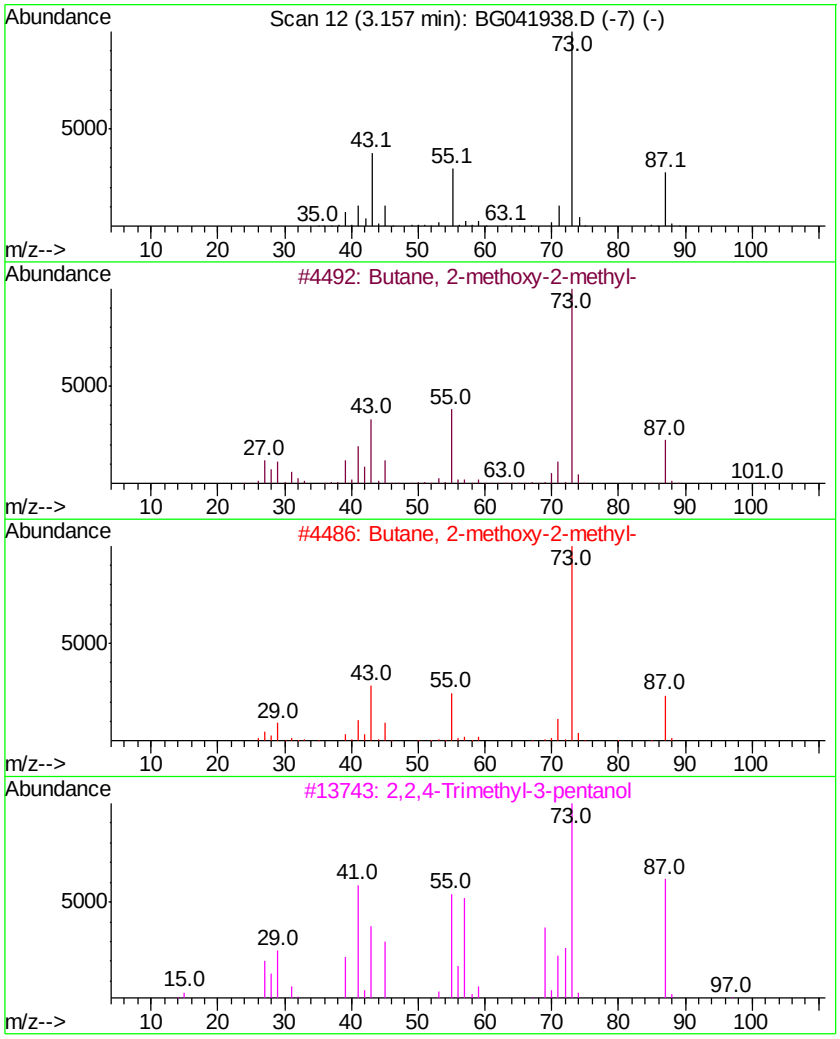
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

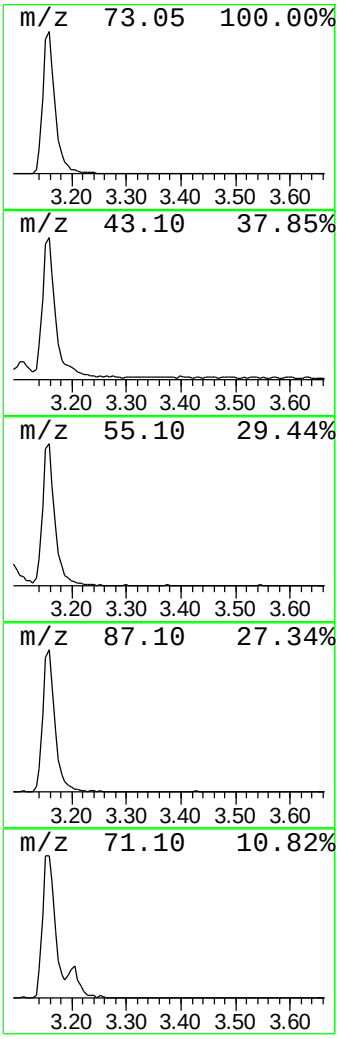
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	28.27 ng/ul	689917	1,4-Dichlorobenzene-d4	8.03

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	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

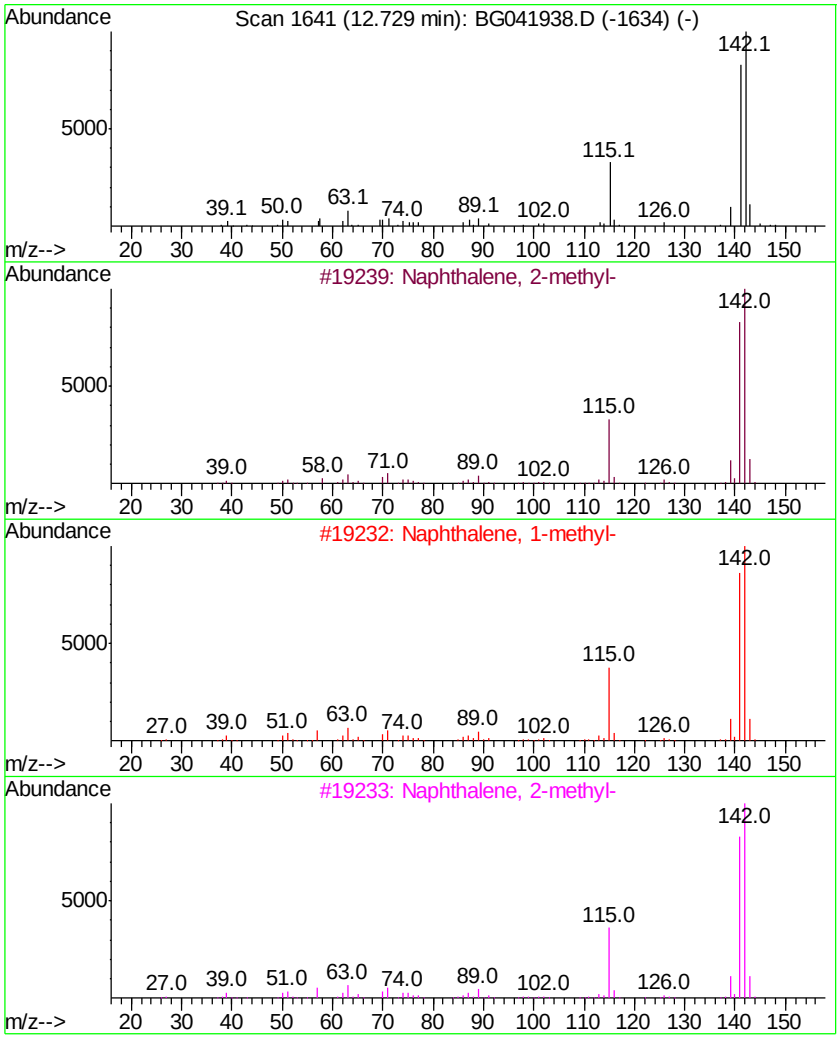
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

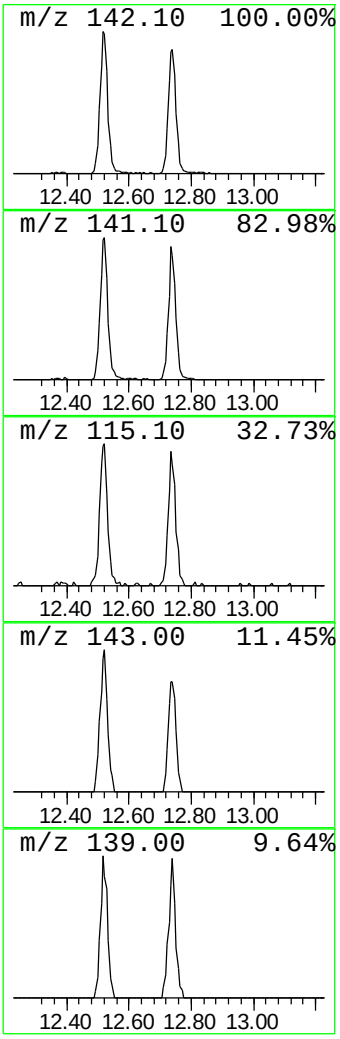
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	3.97 ng/ul	148596	Naphthalene-d8	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

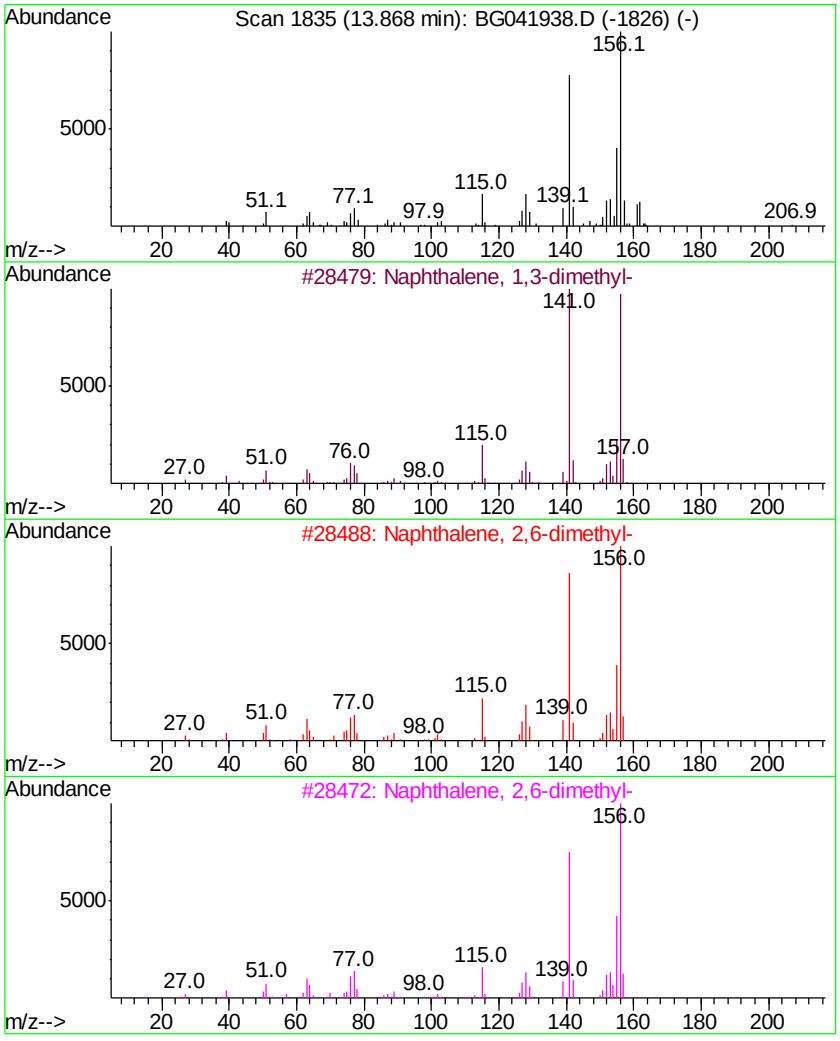
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

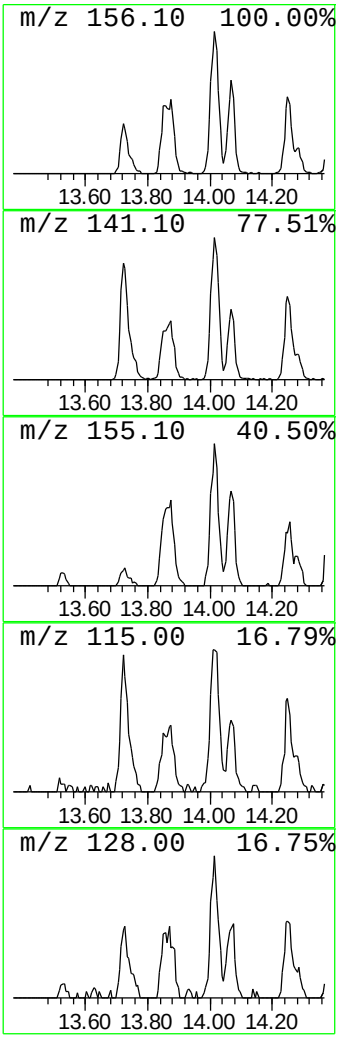
****

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.60 ng/ul	154341	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

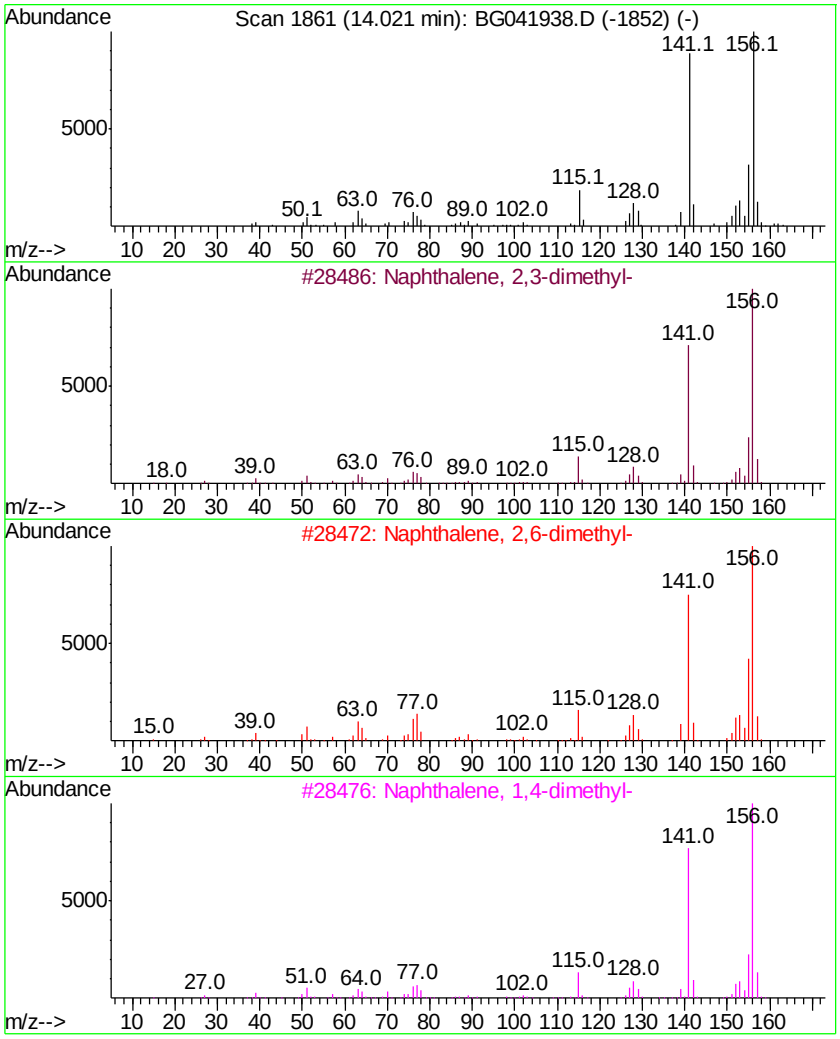
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

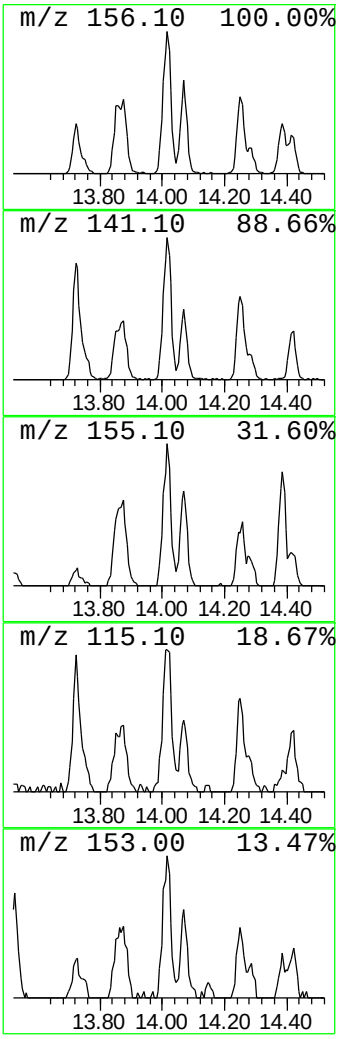
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	3.54 ng/ul	210258	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

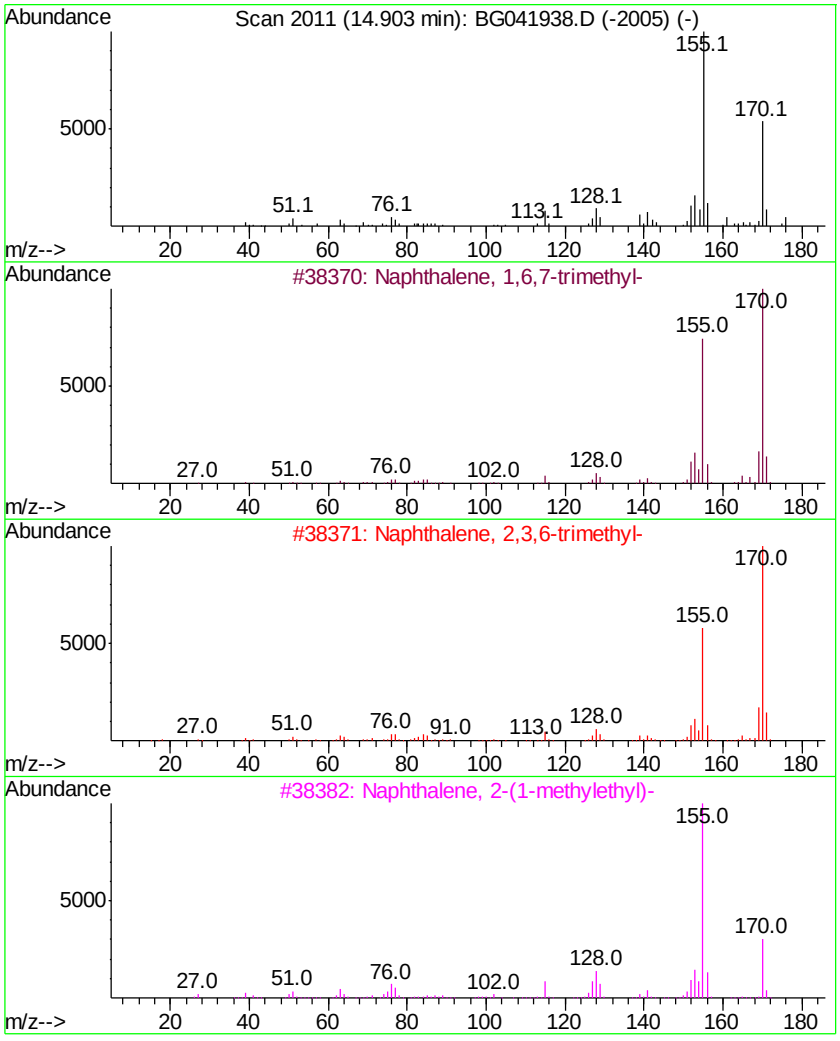
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

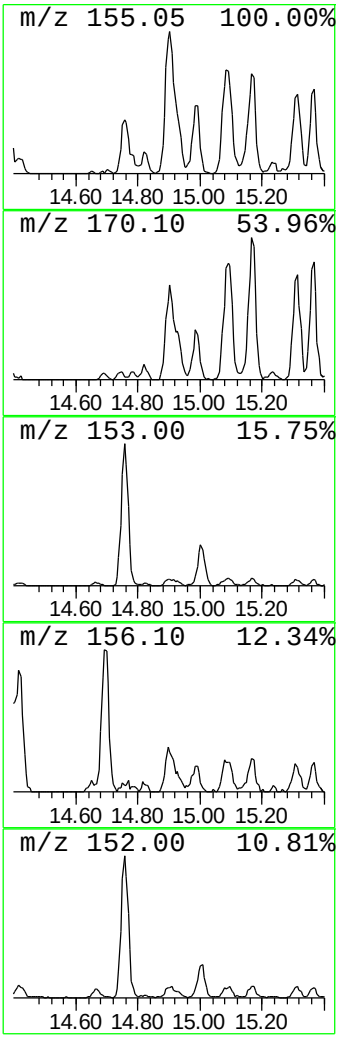
****

Peak Number 5 Naphthalene, 1,6,7-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	2.83 ng/ul	168430	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

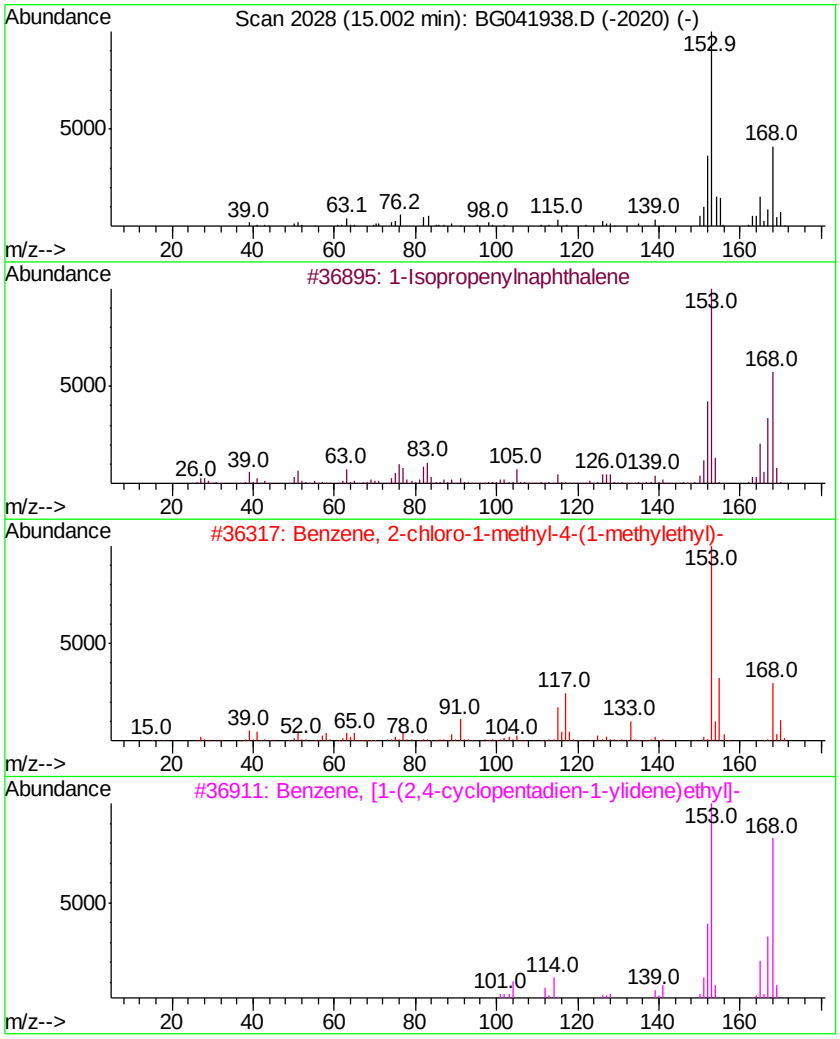
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

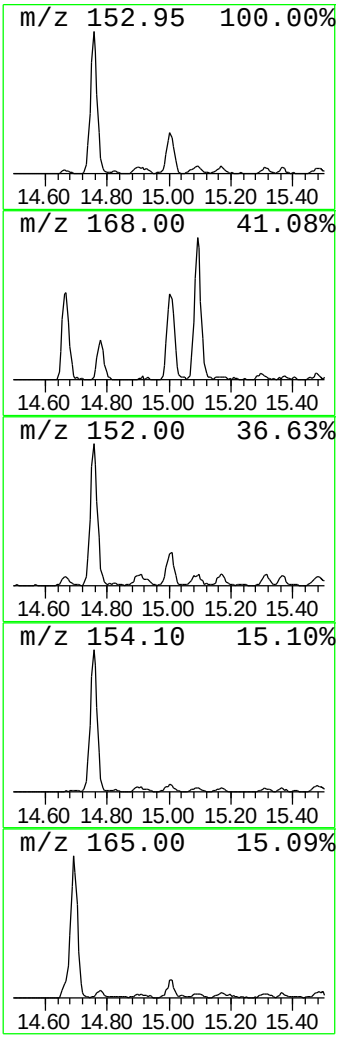
****

Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	2.33 ng/ul	138610	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
2	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	59
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	52
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	46
5	7H-Pyrrolo(2,3-d)pyrimidine, 4-c...	153	C6H4ClN3	003680-69-1	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

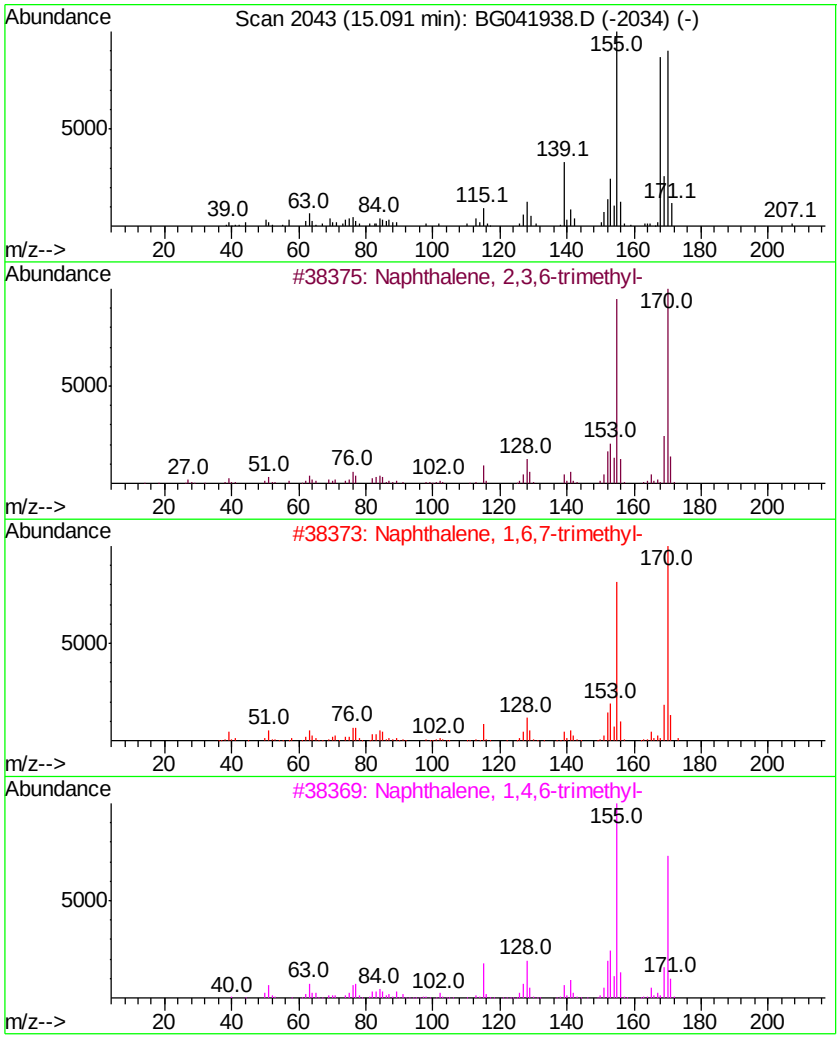
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

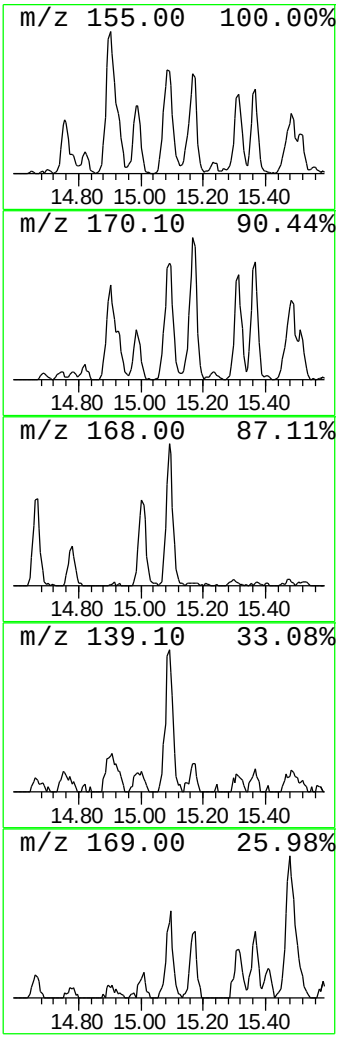
****

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	2.74 ng/ul	162793	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

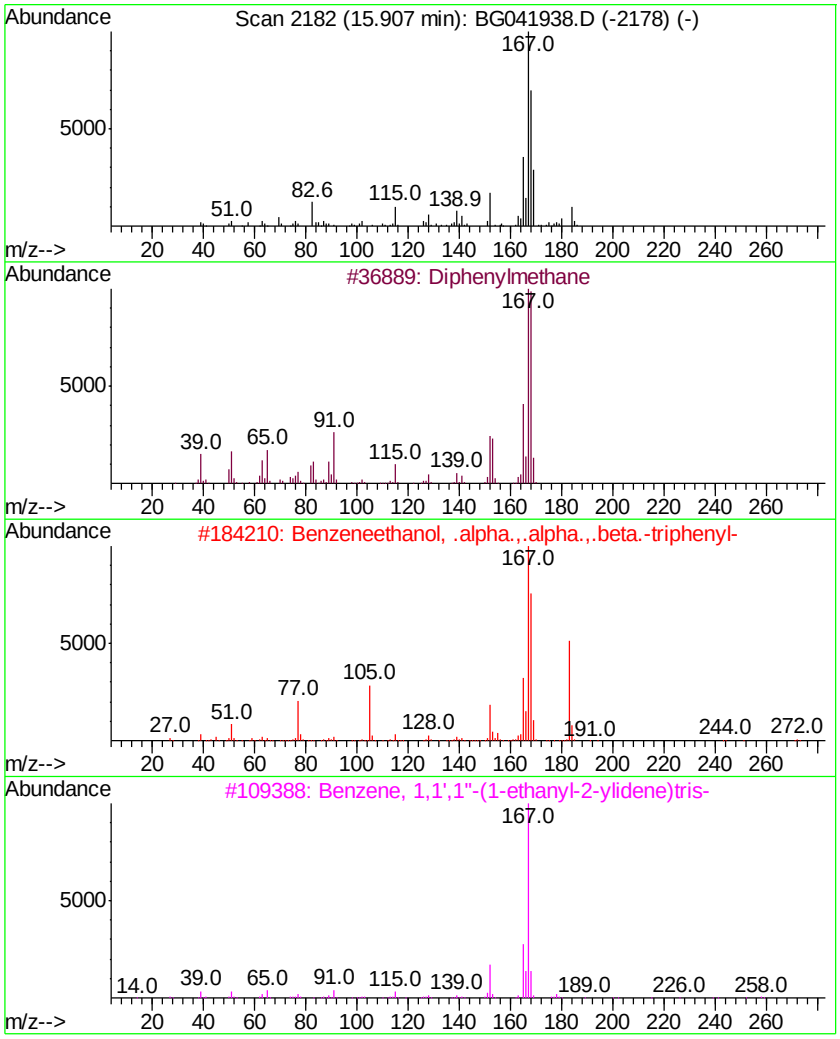
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

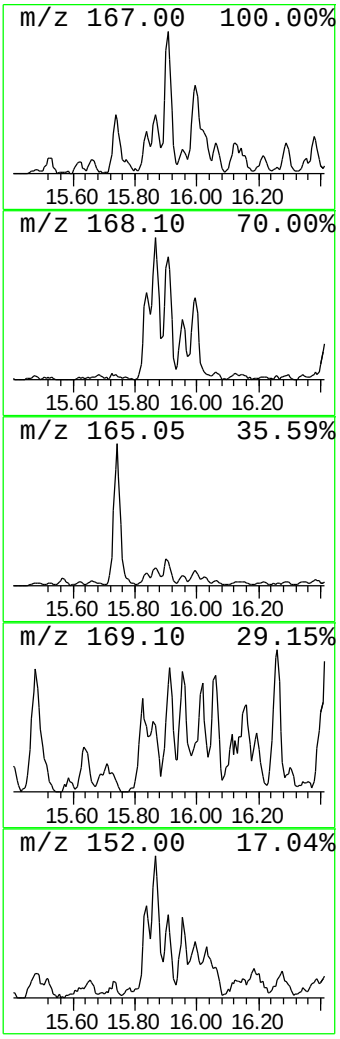
****

Peak Number 9 Diphenylmethane Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.43 ng/ul	144719	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	76
2	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	72
3	Benzene, 1,1',1''-(1-ethanyl-2-y...	258	C20H18	001520-42-9	50
4	1,2-Diphenylethyl isothiocyanate	239	C15H13NS	1000134-54-2	50
5	Diphenylmethoxy acetic acid	242	C15H14O3	021409-25-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

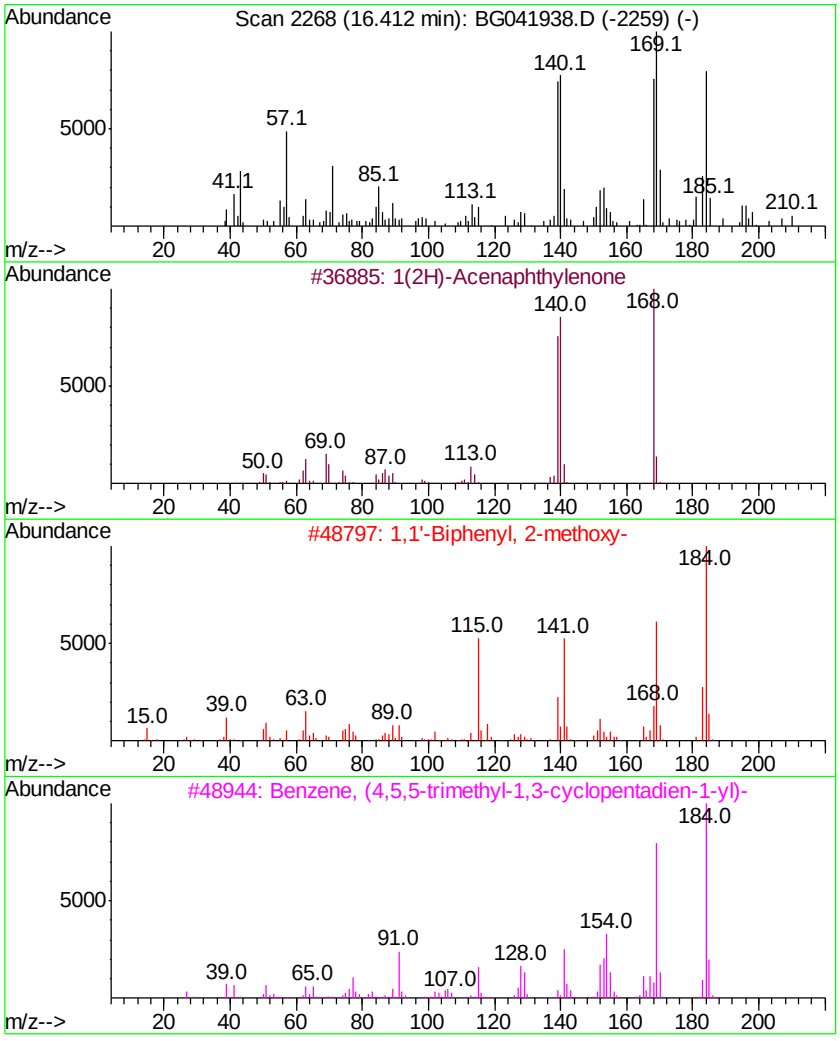
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

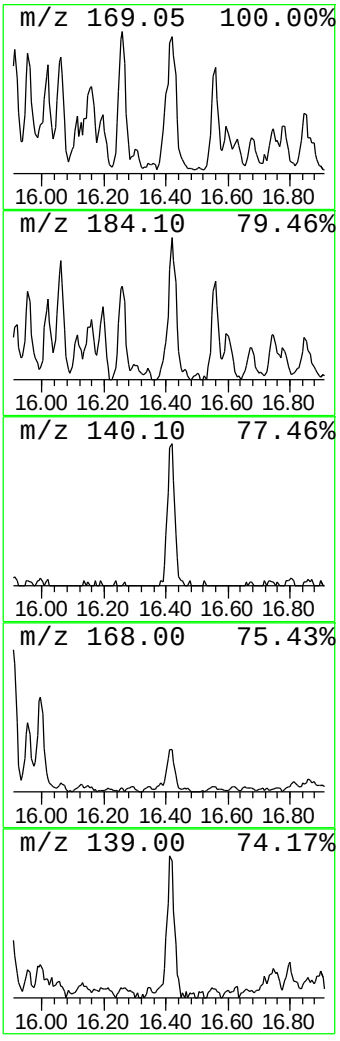
****

Peak Number 10 1(2H)-Acenaphthylenone Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	2.61 ng/ul	172796	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	50
2	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	46
3	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	46
4	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	41
5	Chamazulene	184	C14H16	000529-05-5	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

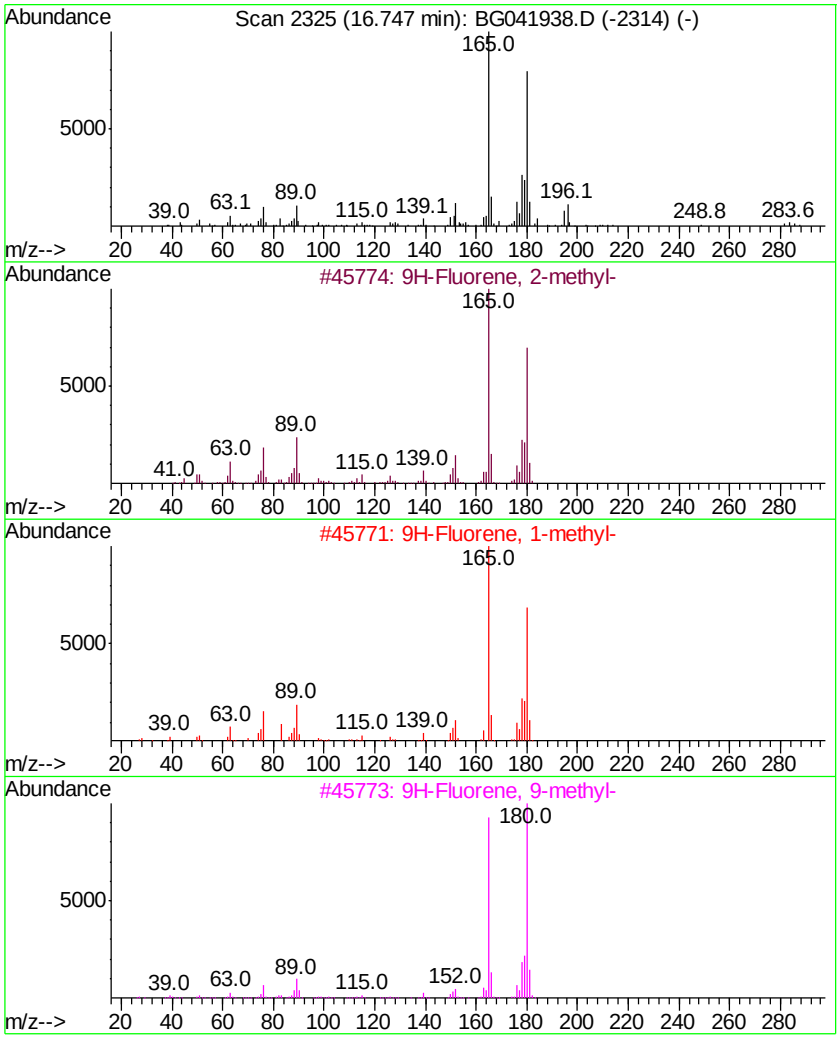
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

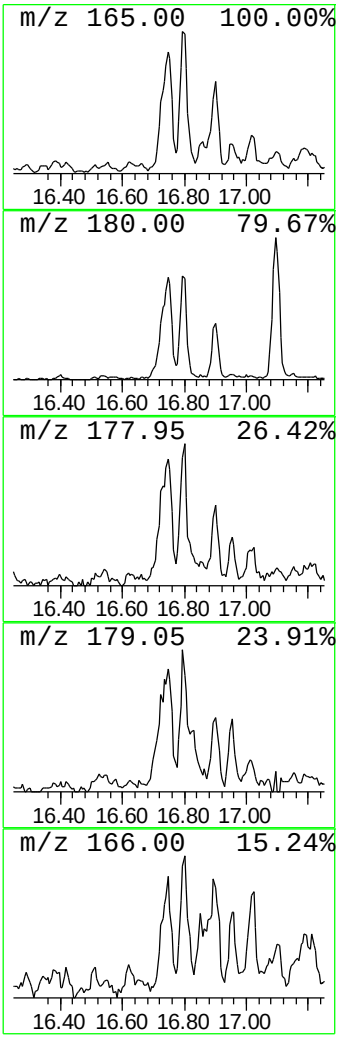
****

Peak Number 11 9H-Fluorene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	4.69 ng/ul	310508	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	92
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

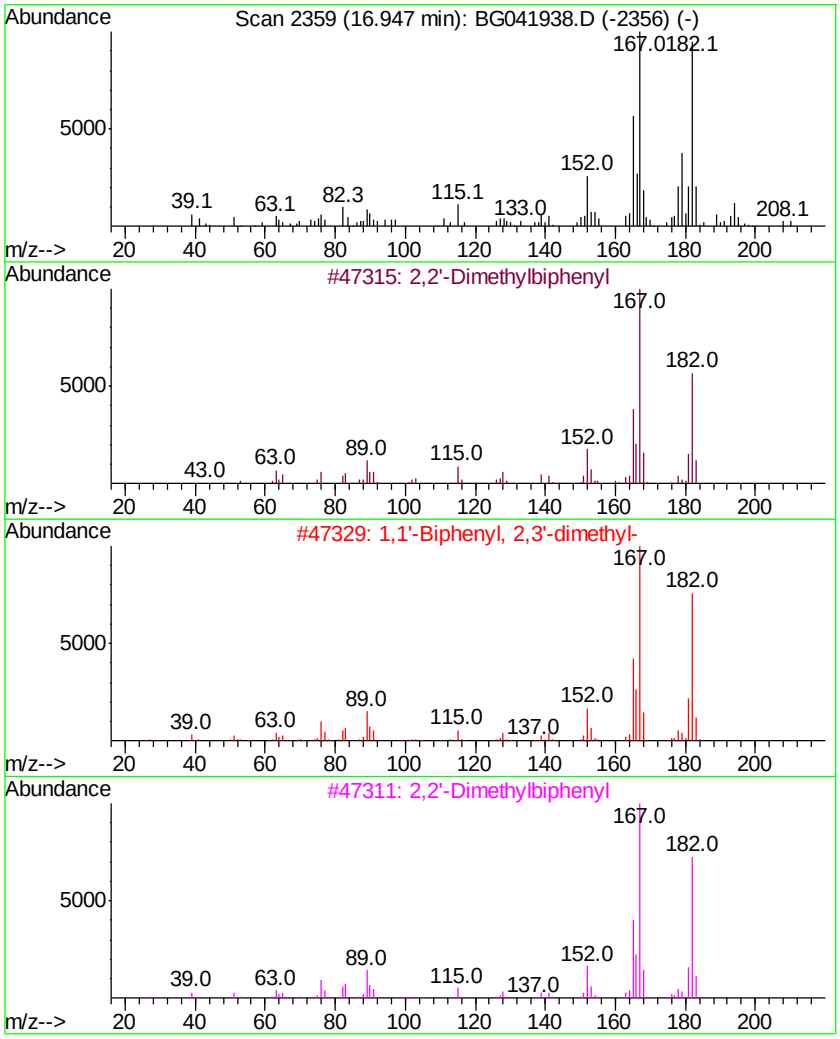
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

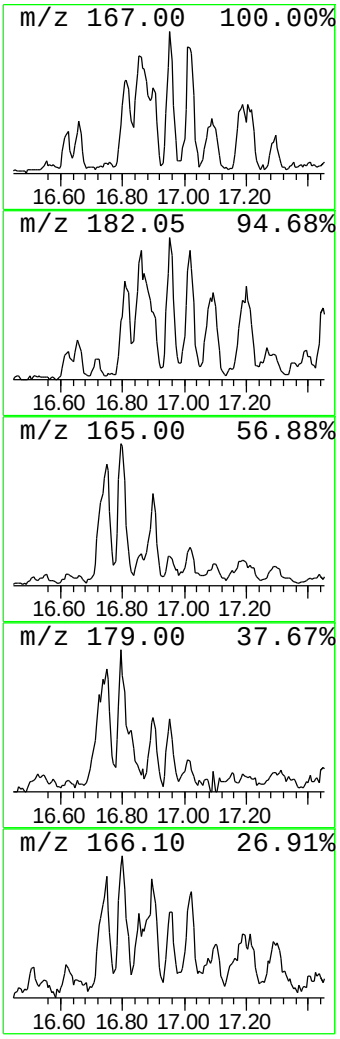
****

Peak Number 13 2,2'-Dimethylbiphenyl Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	2.35 ng/ul	155954	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	95
2	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	93
3	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	93
4	Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	91
5	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

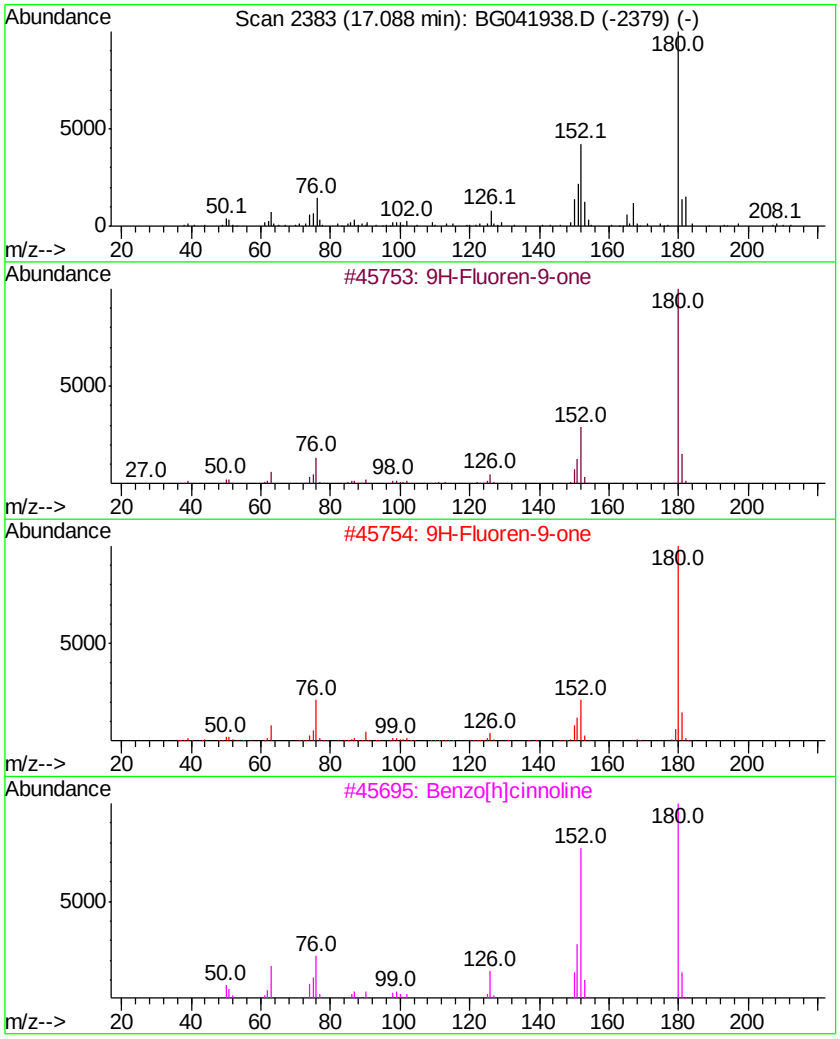
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

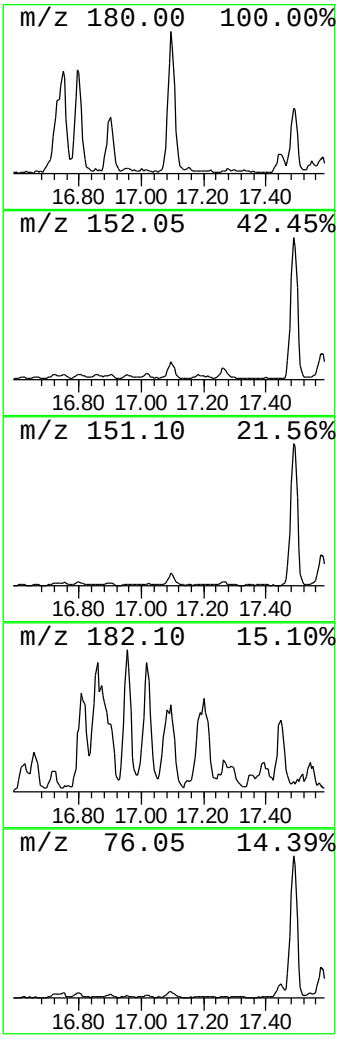
****

Peak Number 14 9H-Fluoren-9-one Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	2.73 ng/ul	180927	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

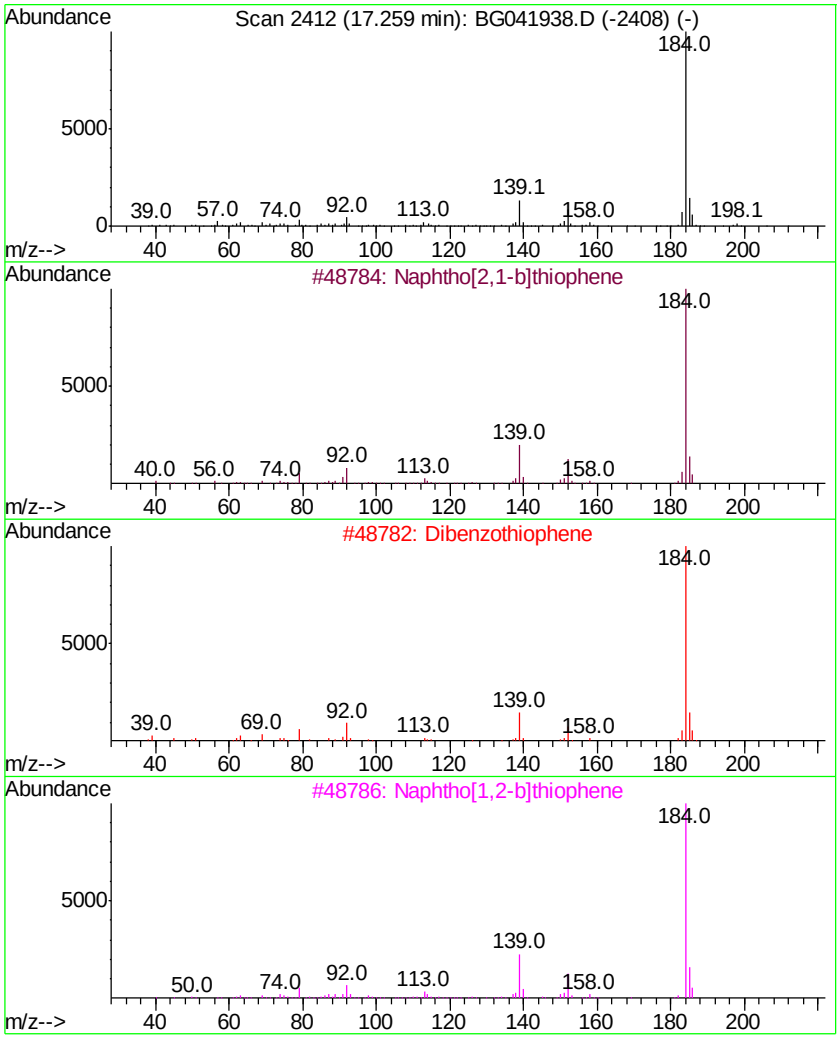
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

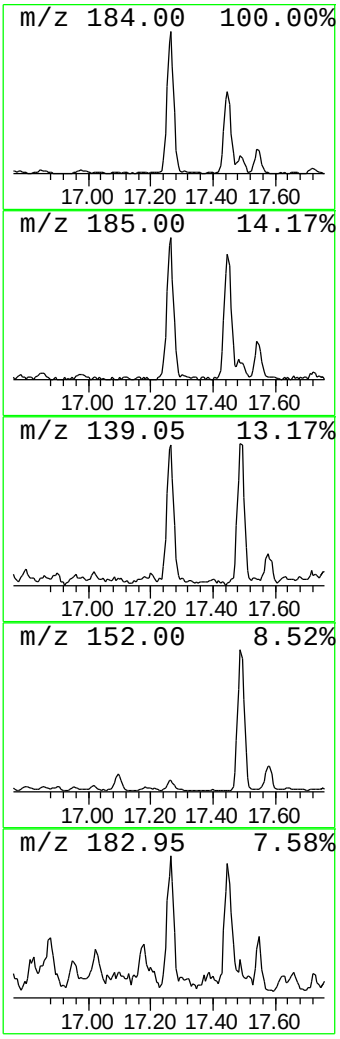
****

Peak Number 15 Naphtho[2,1-b]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	4.98 ng/ul	330261	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

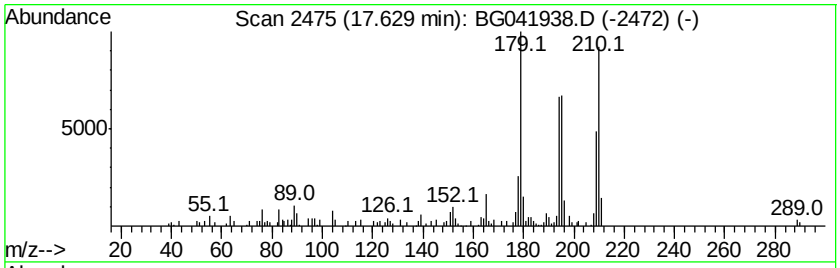
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

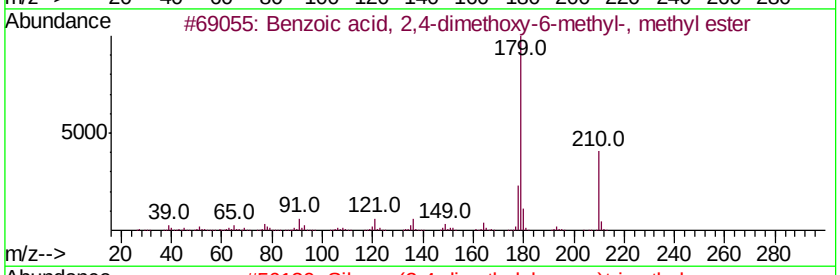
****

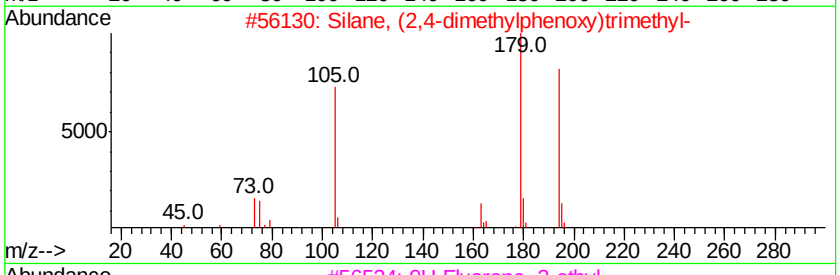
Peak Number 16 unknown-01 Concentration Rank 48

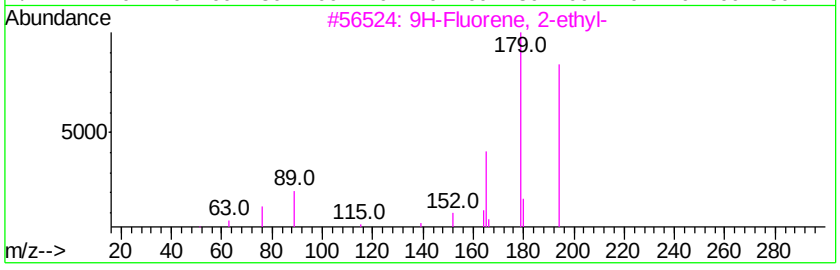
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	2.29 ng/ul	151918	Phenanthrene-d10	17.45

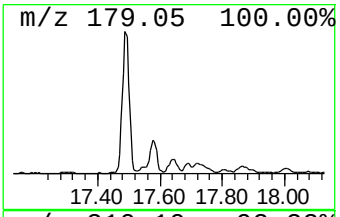
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4-dimethoxy-6-me...	210	C11H14O4	006110-37-8	49
2	Silane, (2,4-dimethylphenoxy)tri...	194	C11H18OSi	016414-81-6	46
3	9H-Fluorene, 2-ethyl-	194	C15H14	001207-20-1	38
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	38
5	Phenanthridine	179	C13H9N	000229-87-8	38

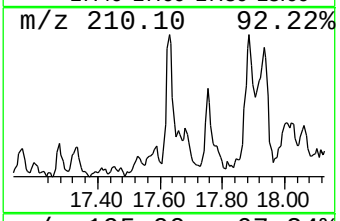


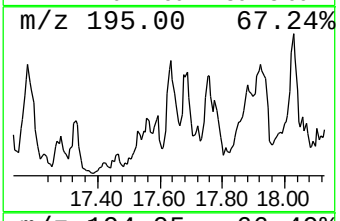


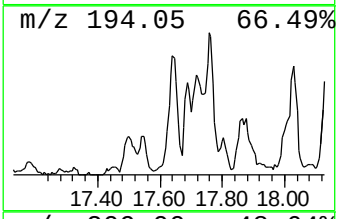


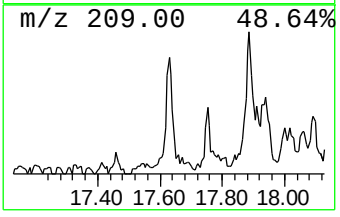












Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

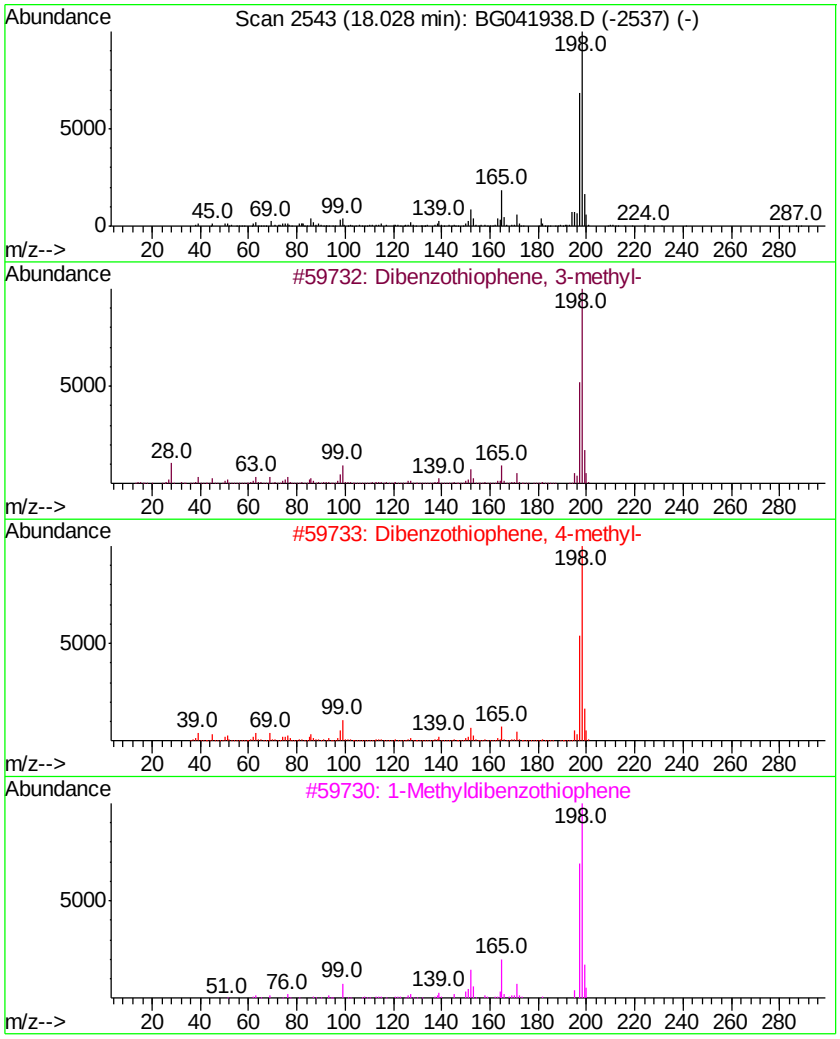
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

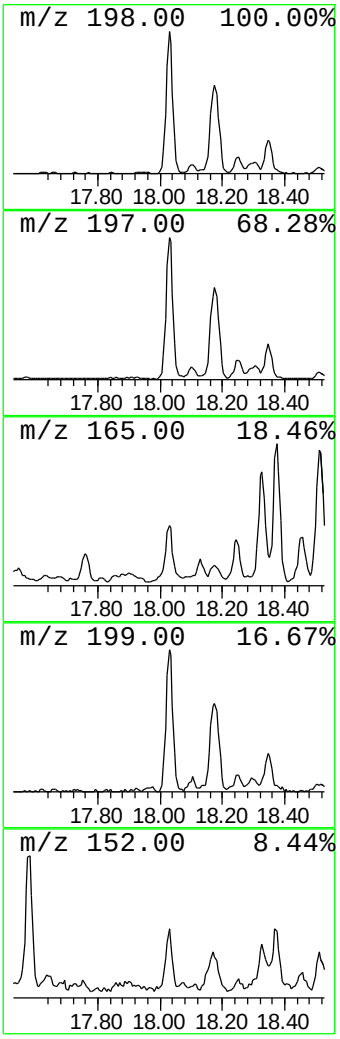
****

Peak Number 17 Dibenzothiophene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	6.77 ng/ul	448907	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	86
4	Tacrine	198	C13H14N2	000321-64-2	72
5	Tacrine	198	C13H14N2	000321-64-2	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

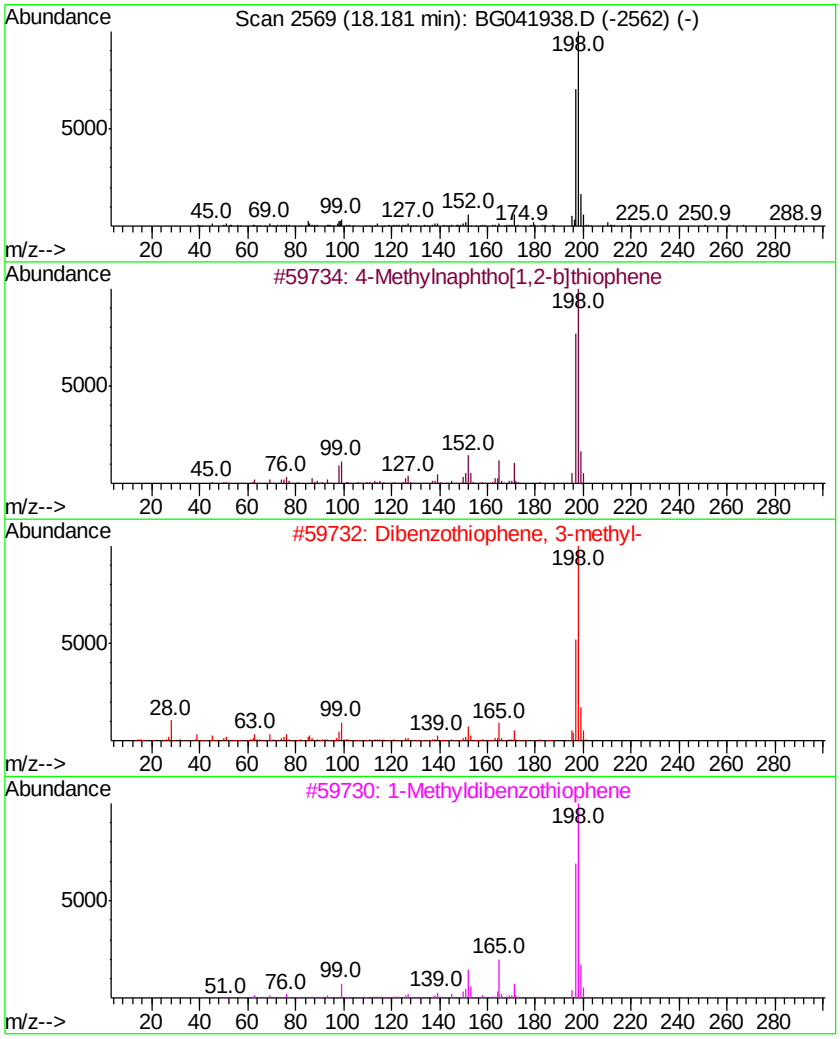
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

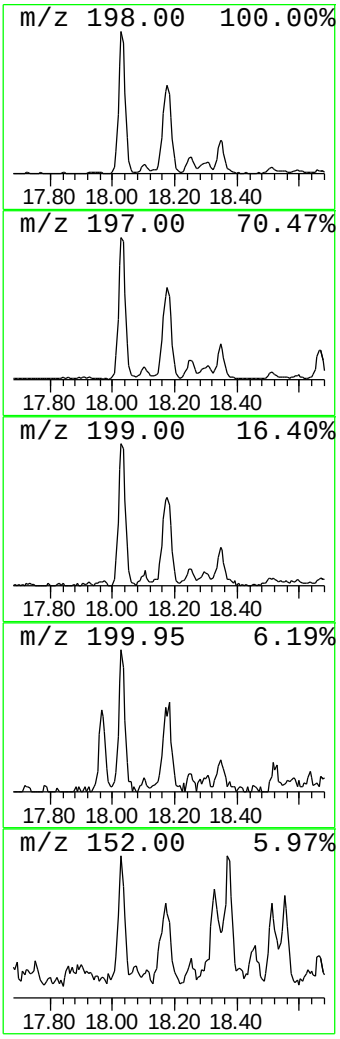
****

Peak Number 18 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	4.64 ng/ul	307479	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
5	Tacrine	198	C13H14N2	000321-64-2	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

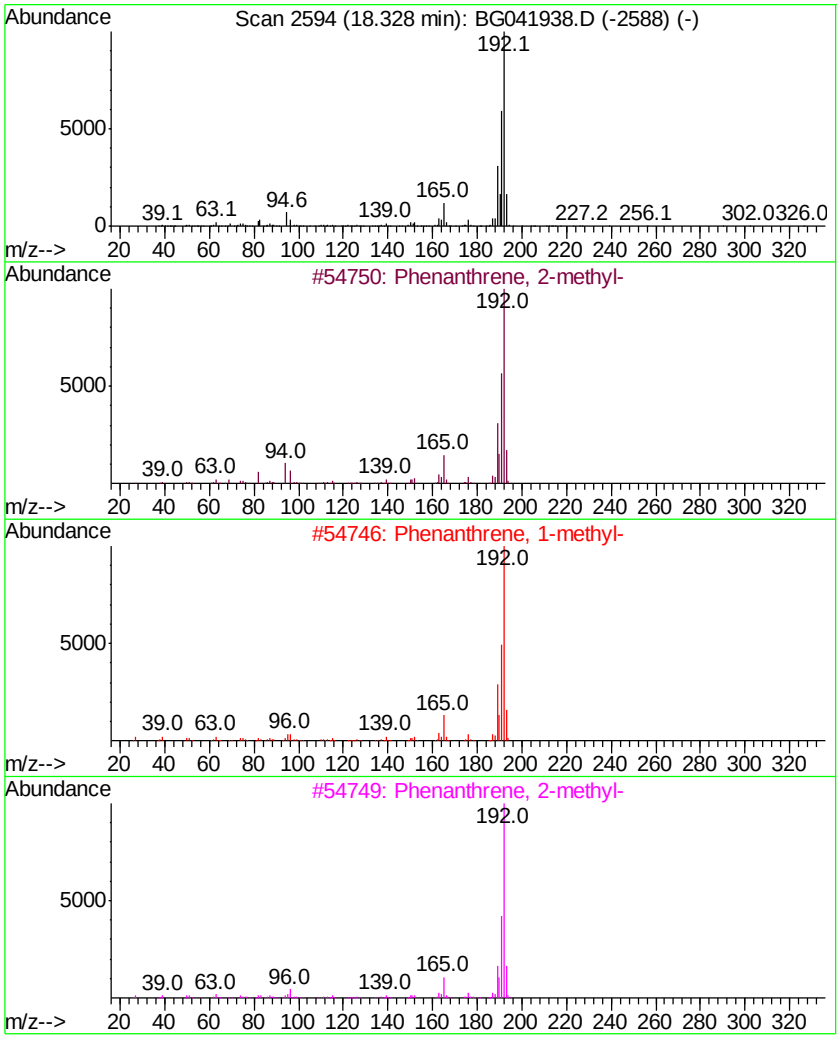
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

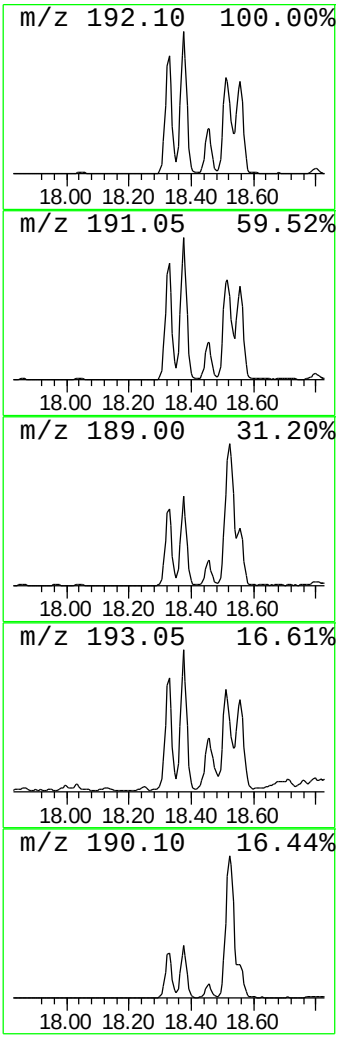
****

Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	20.92 ng/ul	1386190	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

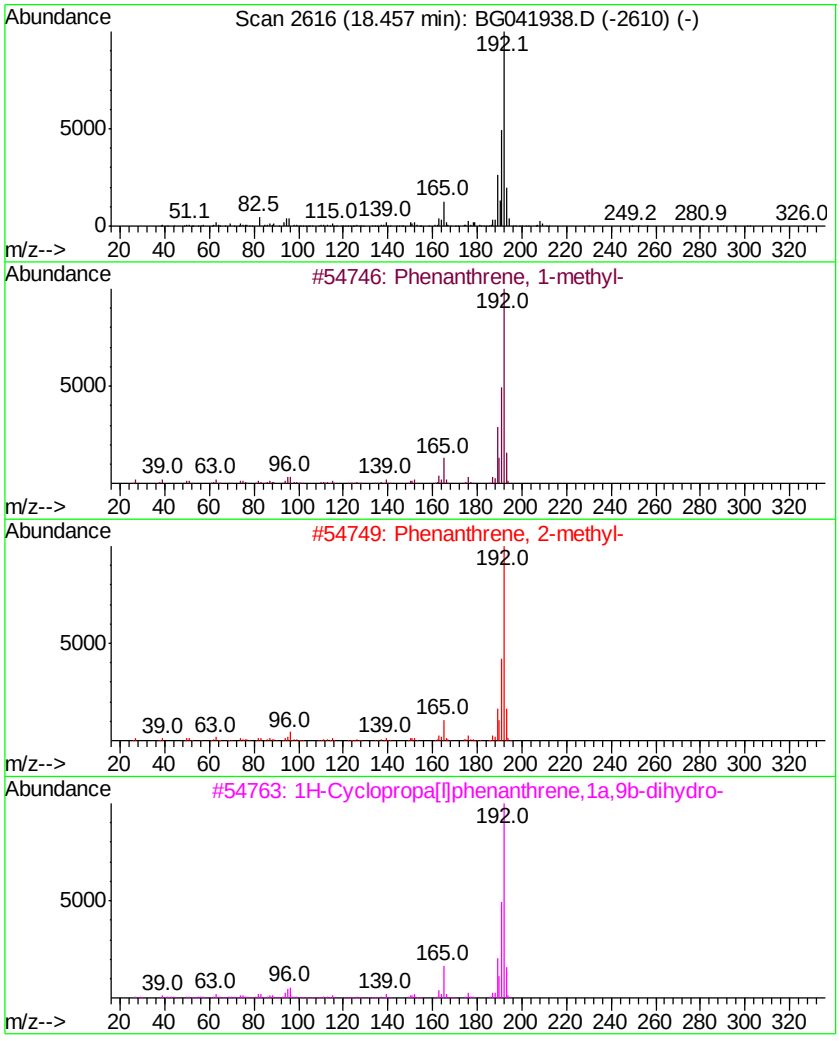
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

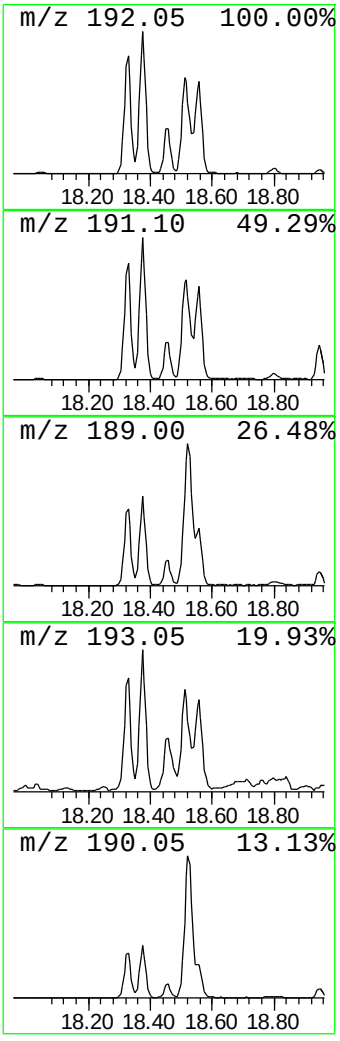
****

Peak Number 21 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	7.93 ng/ul	525666	Phenanthrene-d10	17.45

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

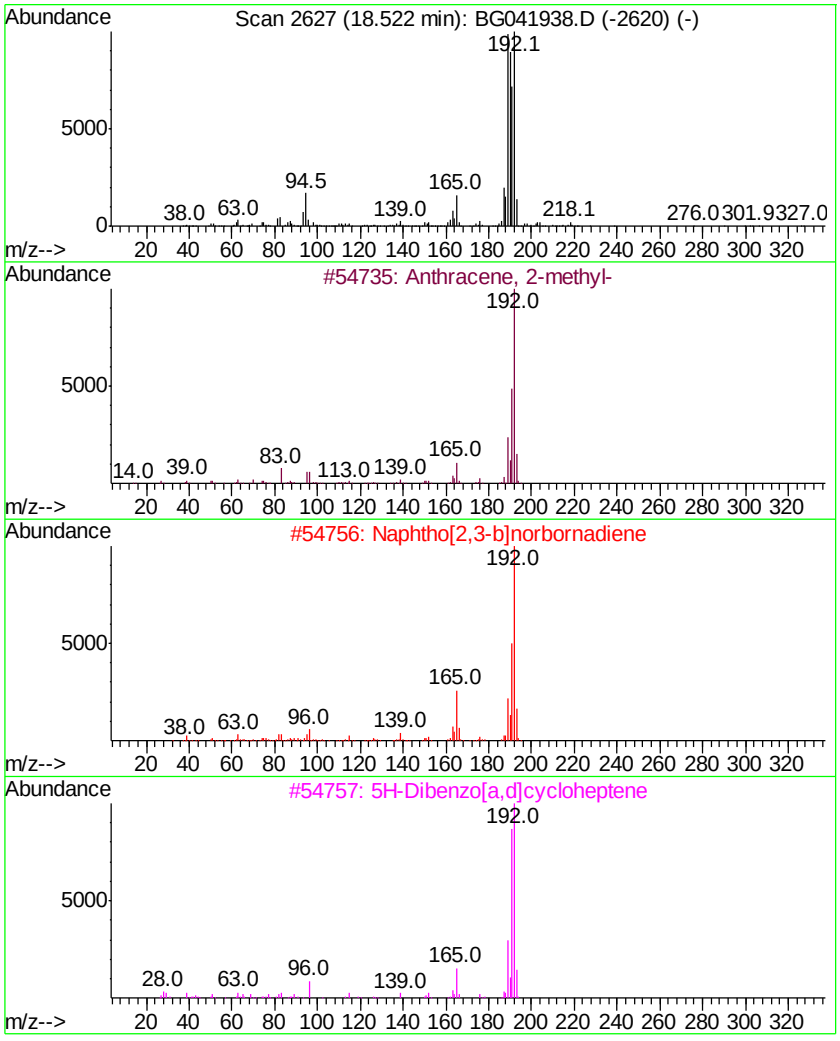
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

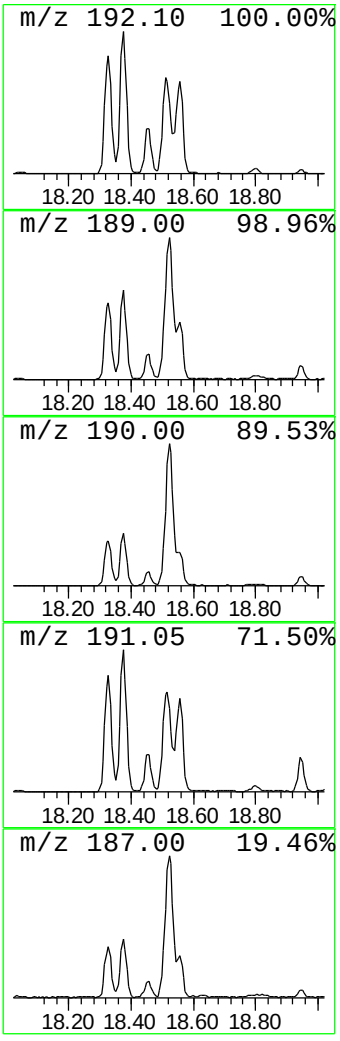
****

Peak Number 22 Anthracene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	28.43 ng/ul	1883910	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

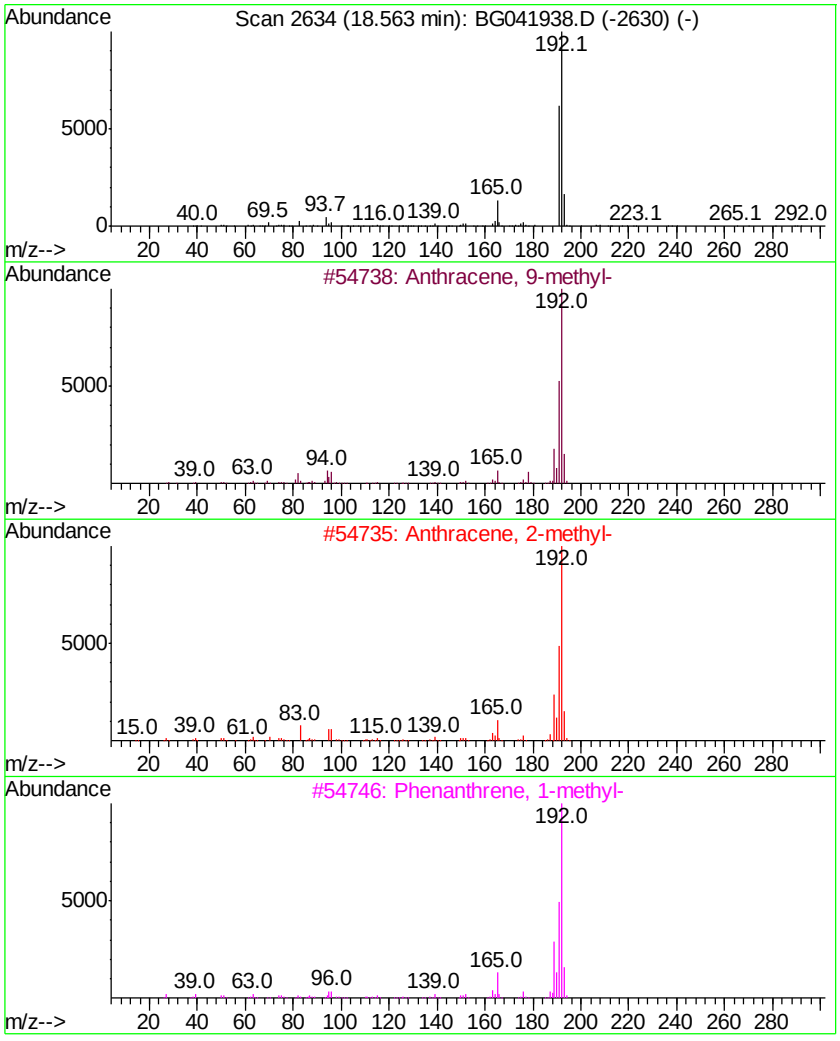
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

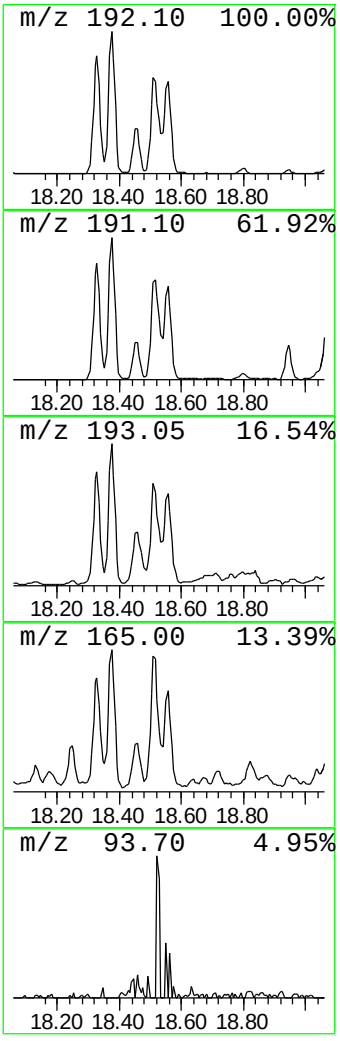
****

Peak Number 23 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	14.40 ng/ul	954393	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

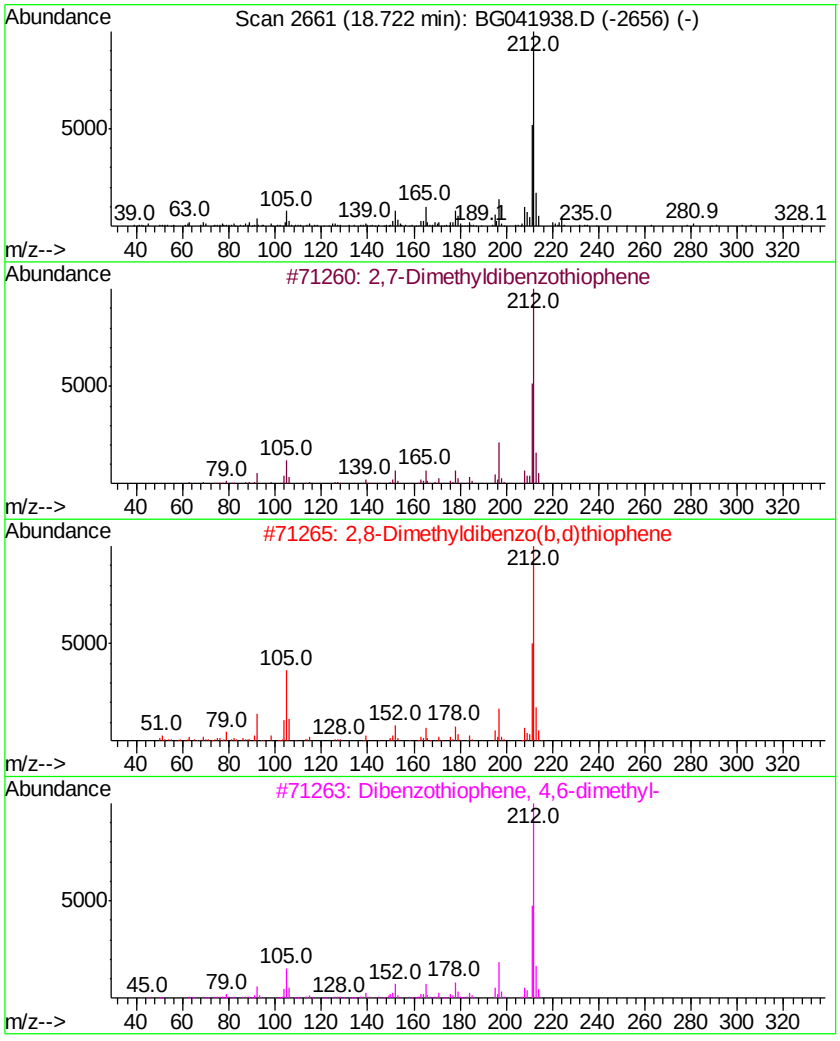
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

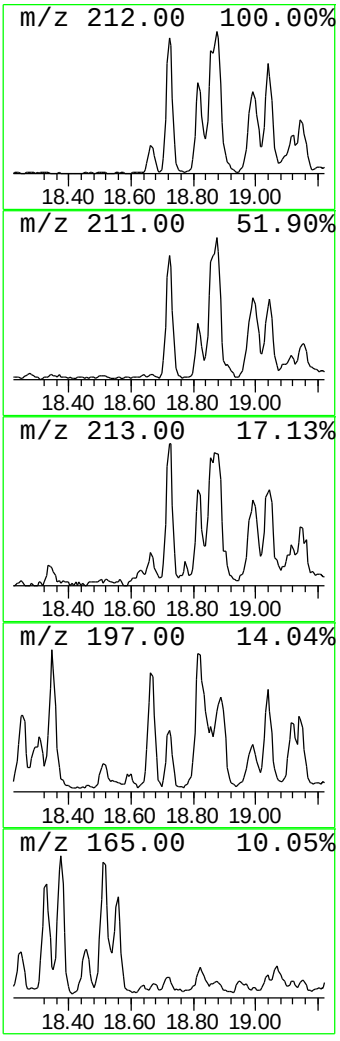
****

Peak Number 24 2,7-Dimethyldibenzothiophene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.98 ng/ul	197584	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	93
2	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	91
3	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	91
4	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	91
5	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

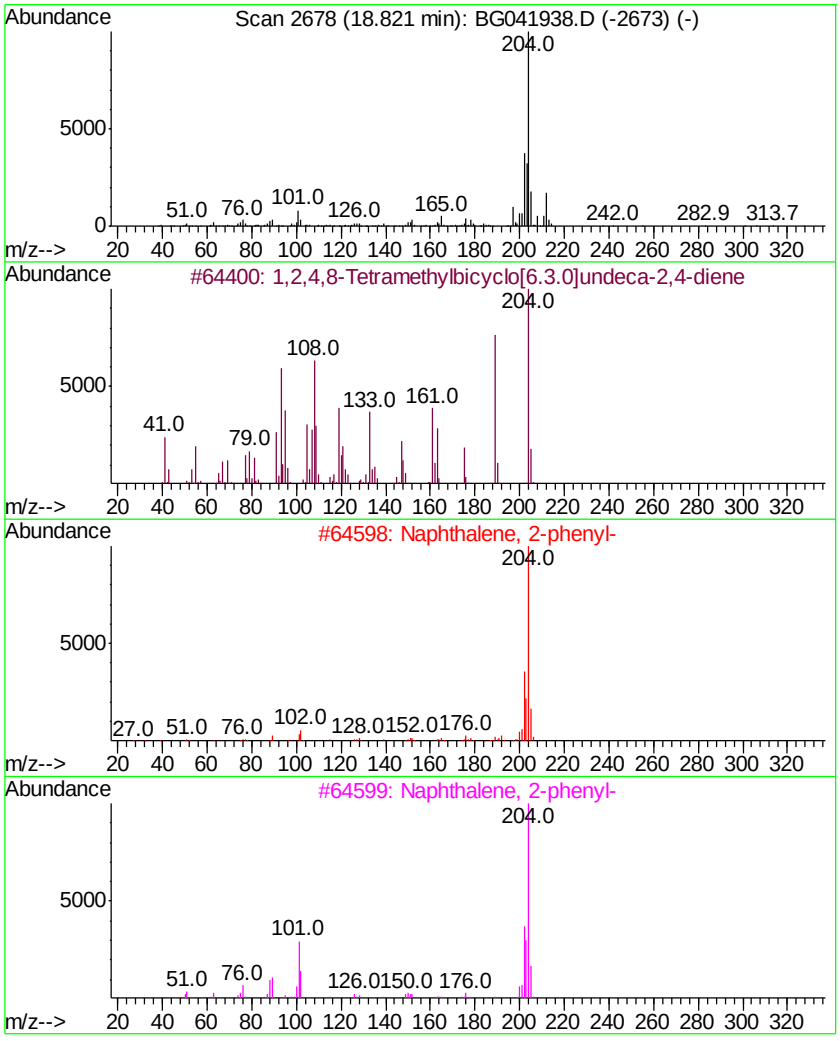
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

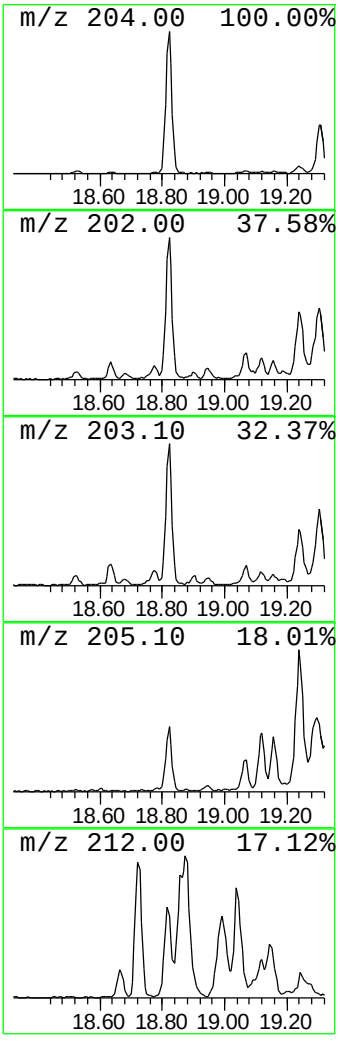
****

Peak Number 25 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	9.13 ng/ul	604738	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	94
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

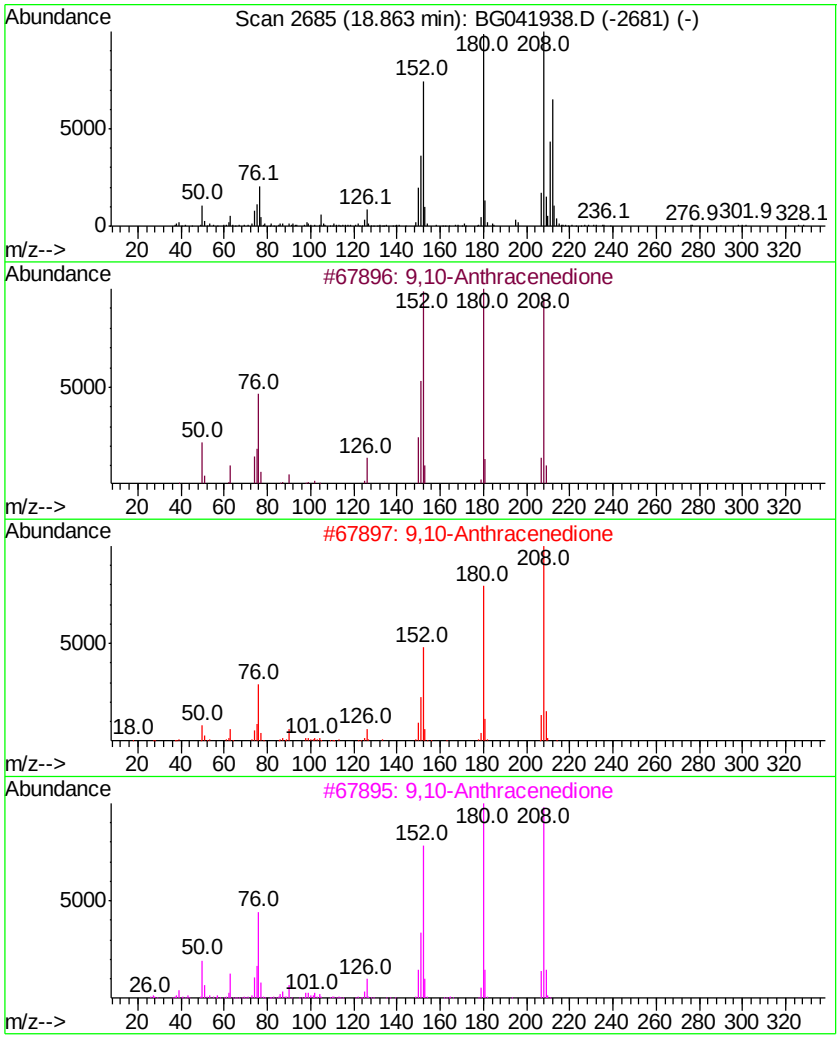
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

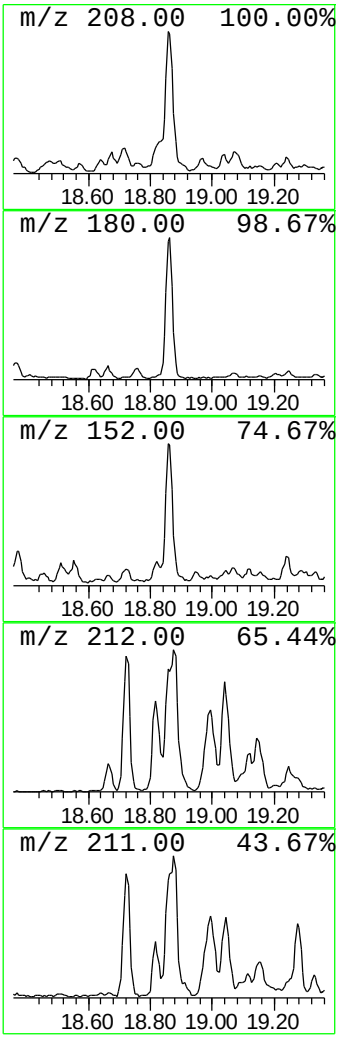
****

Peak Number 26 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	10.01 ng/ul	663079	Phenanthrene-d10	17.45

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	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	59
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

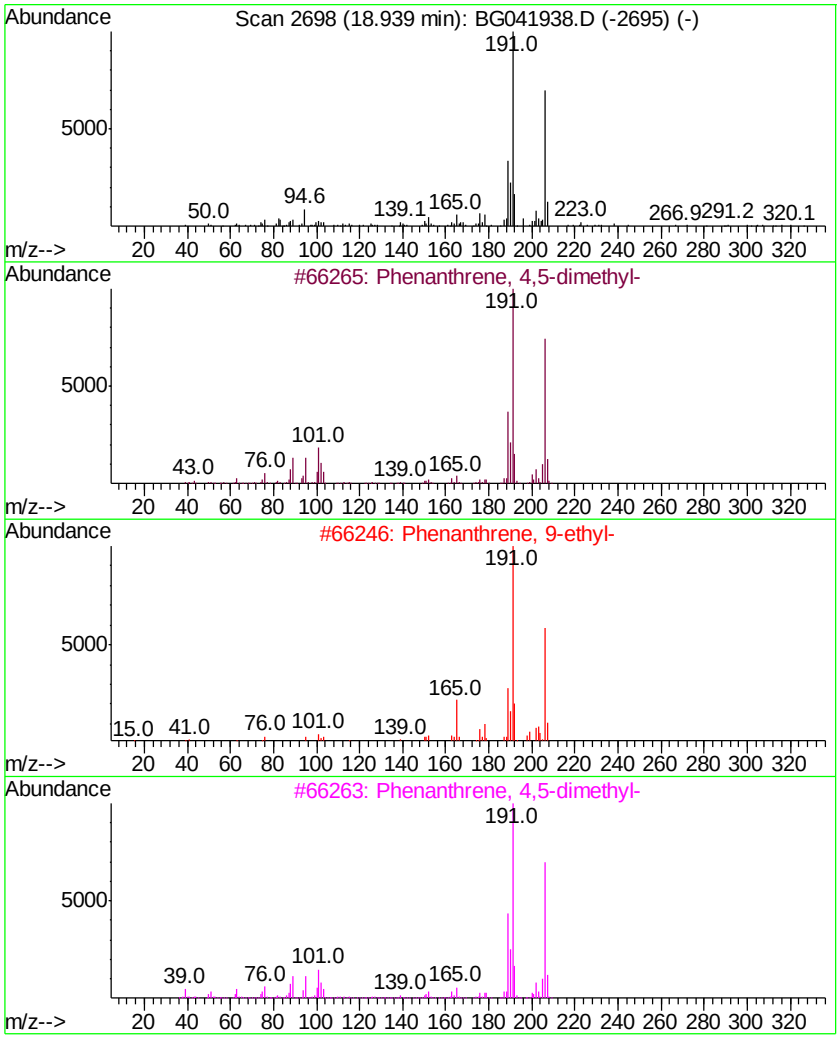
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

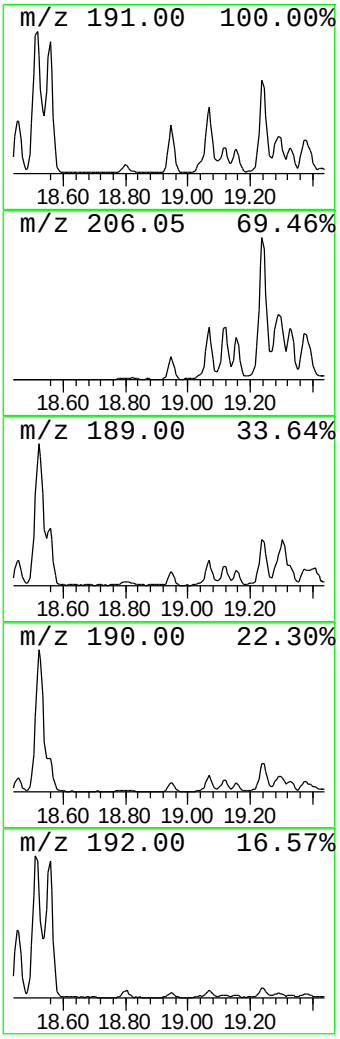
****

Peak Number 27 Phenanthrene, 4,5-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	3.95 ng/ul	261651	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Anthracene, 9-ethyl-	206	C16H14	000605-83-4	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

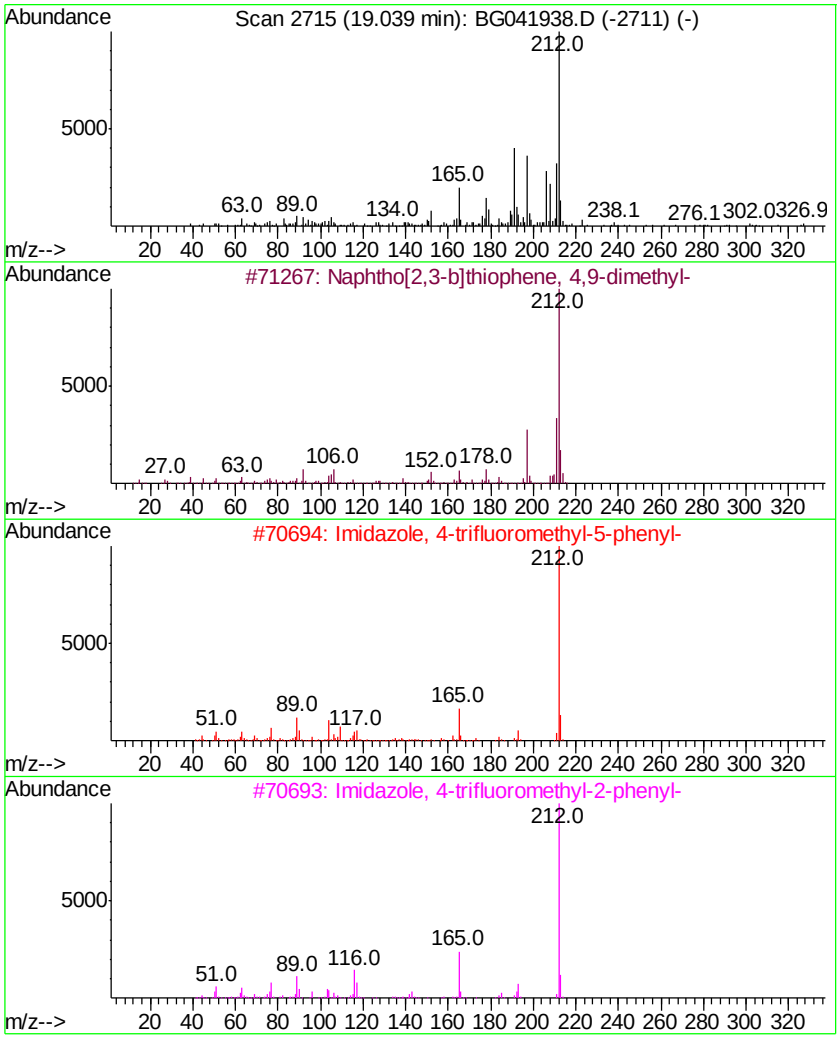
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

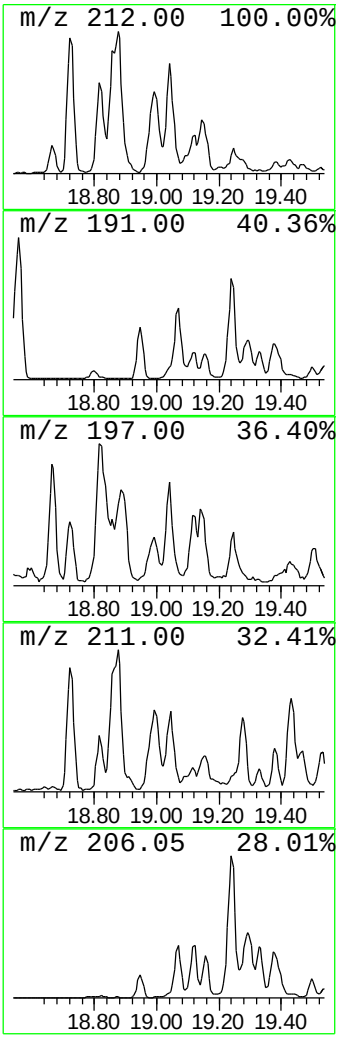
****

Peak Number 28 unknown-02 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	2.25 ng/ul	148786	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	45
2	Imidazole, 4-trifluoromethyl-5-p...	212	C10H7F3N2	081769-65-5	38
3	Imidazole, 4-trifluoromethyl-2-p...	212	C10H7F3N2	033469-36-2	38
4	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	38
5	Benzo[c]2,7-naphthiridine-4,5(3H...	212	C12H8N2O2	174565-23-2	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

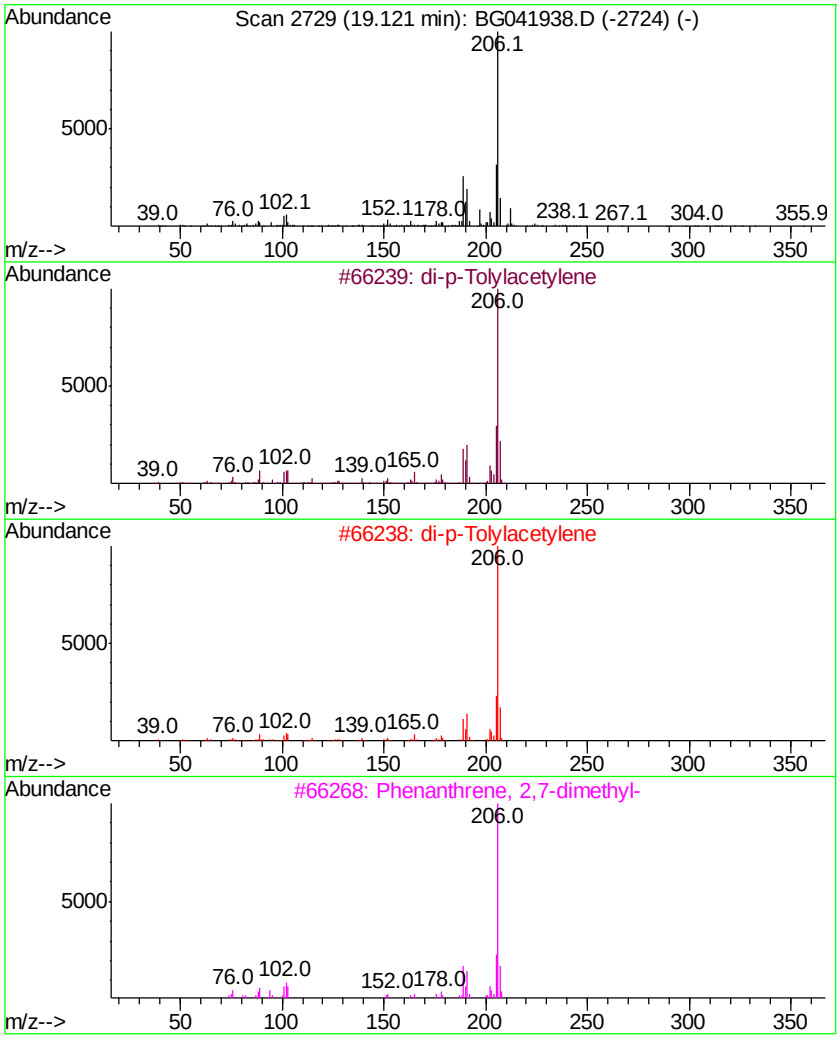
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

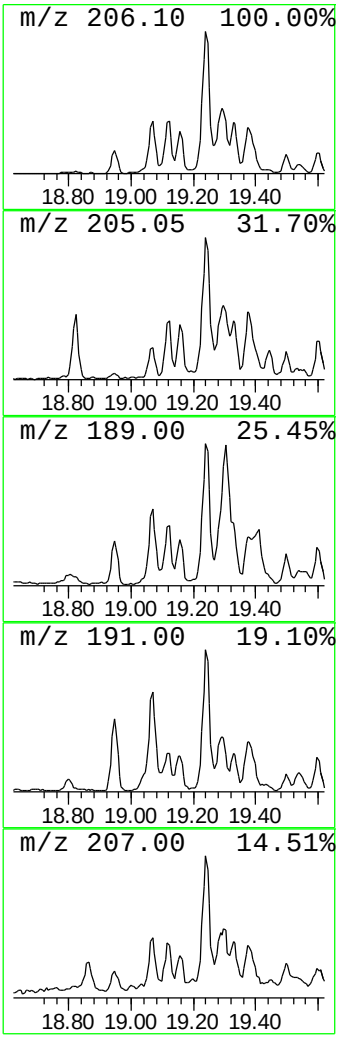
****

Peak Number 30 di-p-Tolylacetylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	6.29 ng/ul	417012	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	68
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

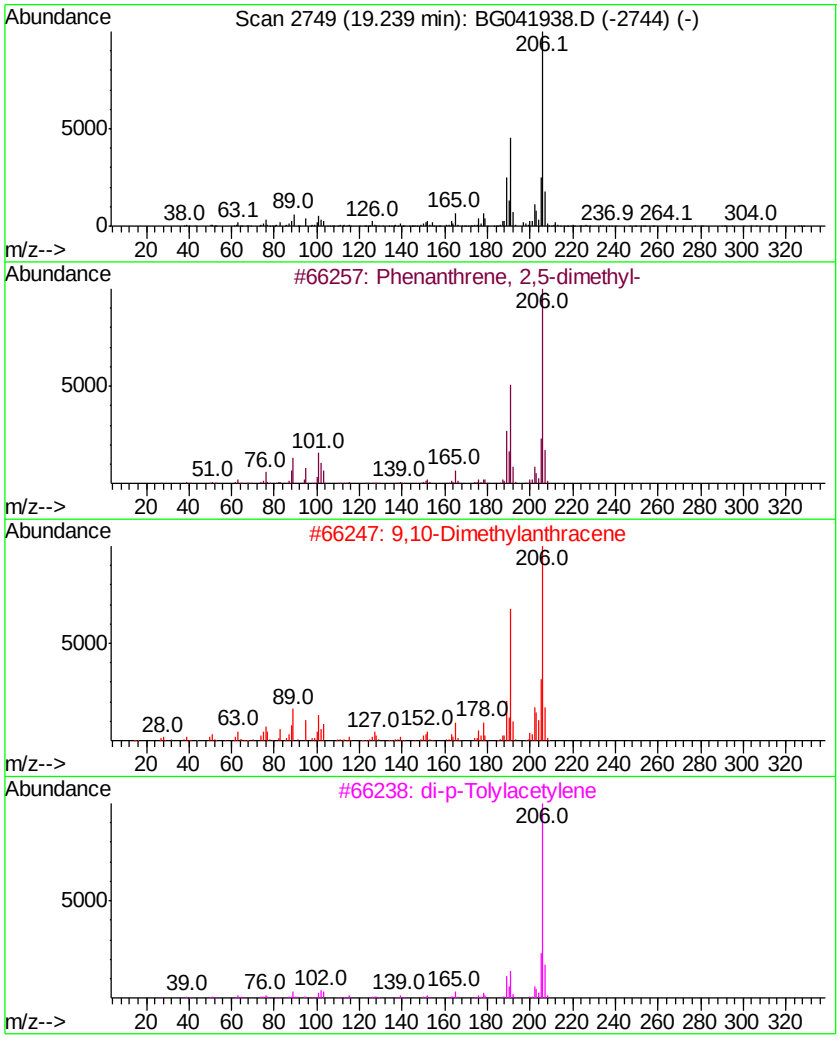
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

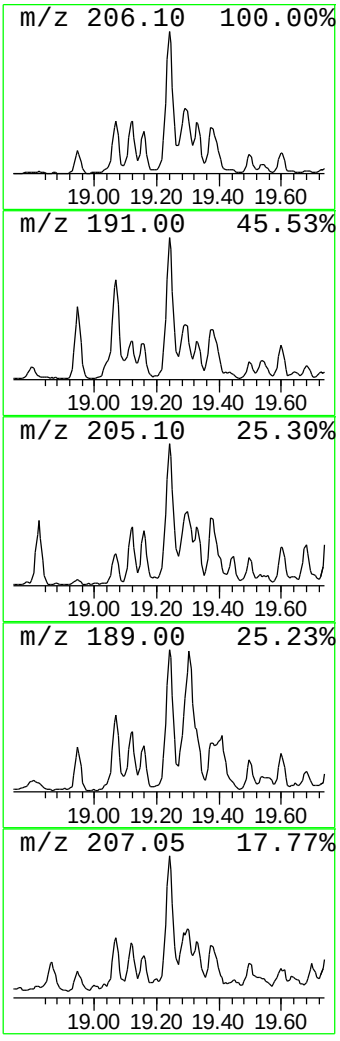
****

Peak Number 32 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	18.54 ng/ul	1228630	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

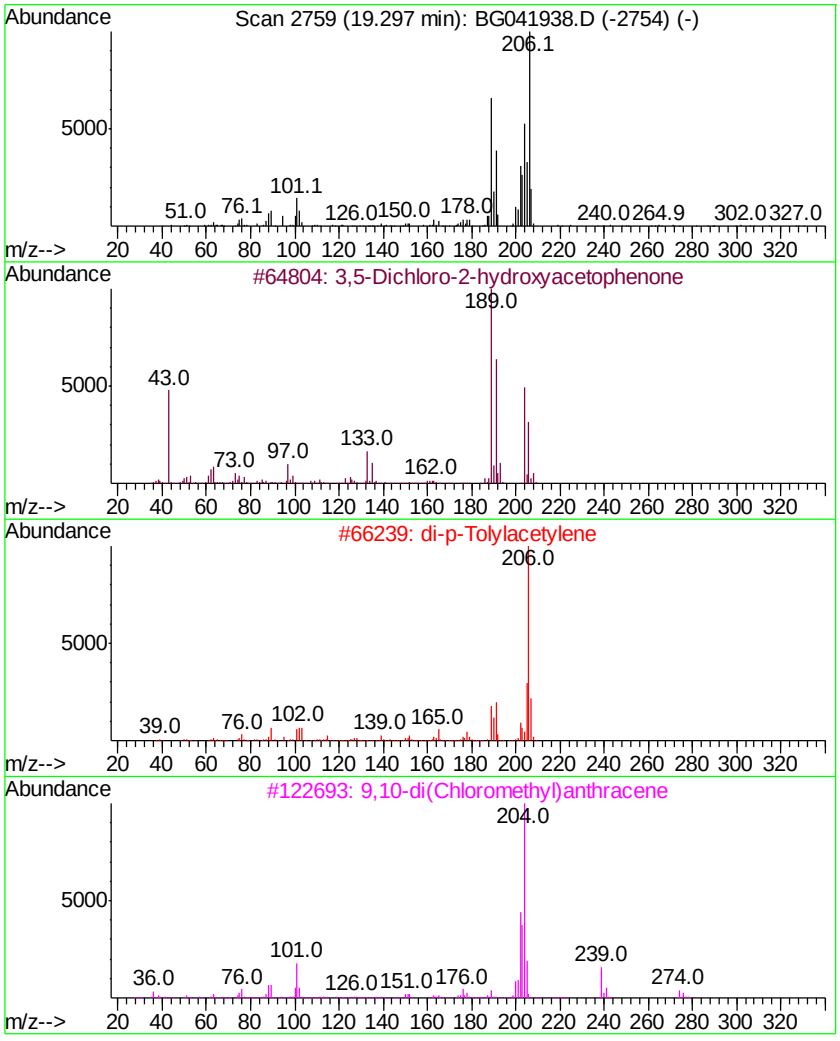
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

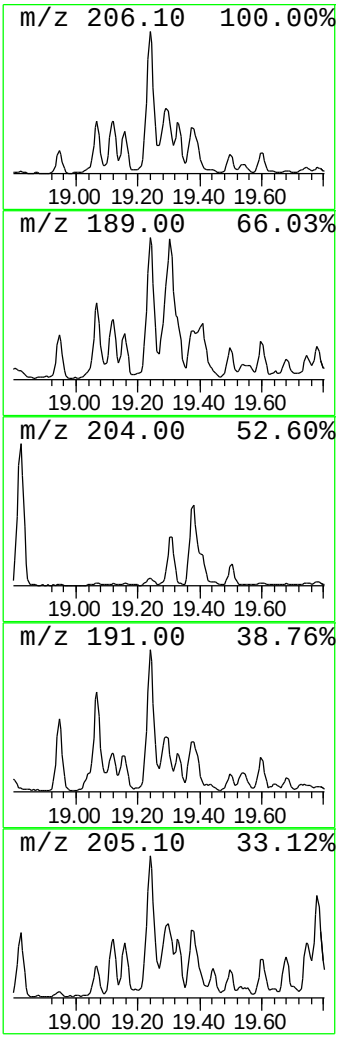
****

Peak Number 33 unknown-03 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	6.09 ng/ul	403398	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichloro-2-hydroxyacetophenone	204	C8H6Cl2O2	003321-92-4	47
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	38
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35
5	4-Amino-3,5-dichloro-2,6-dimethy...	206	C7H8Cl2N2O	1000227-19-9	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

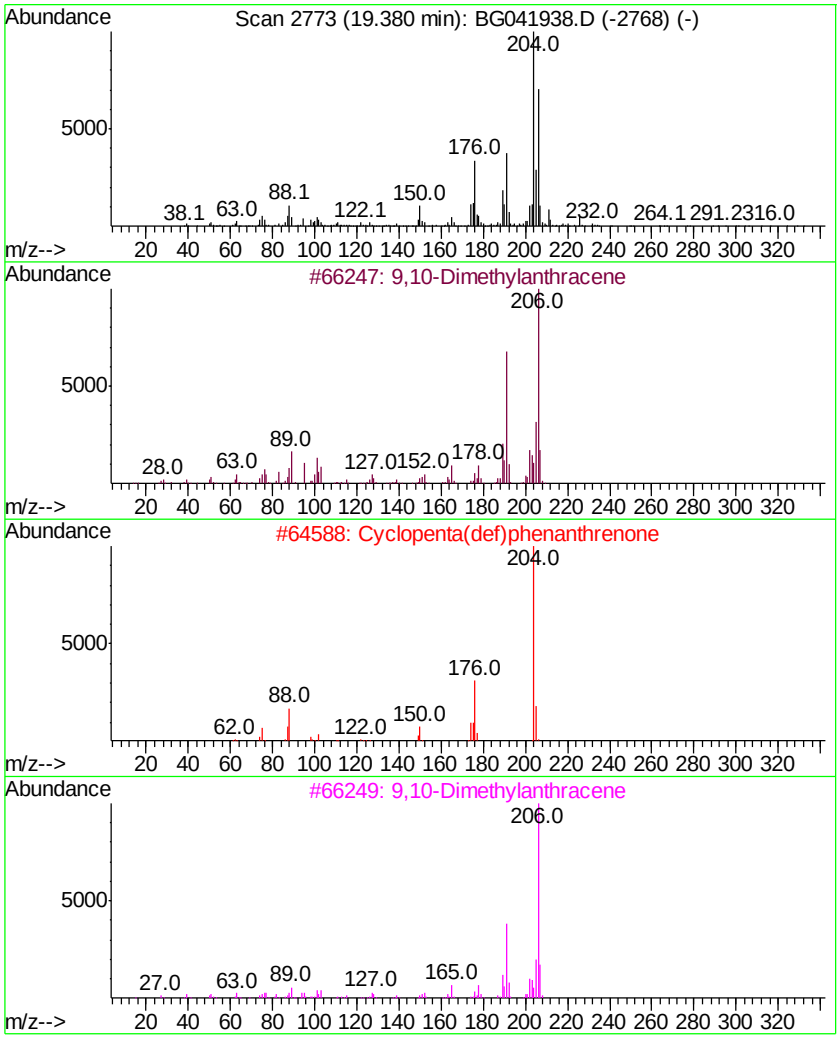
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

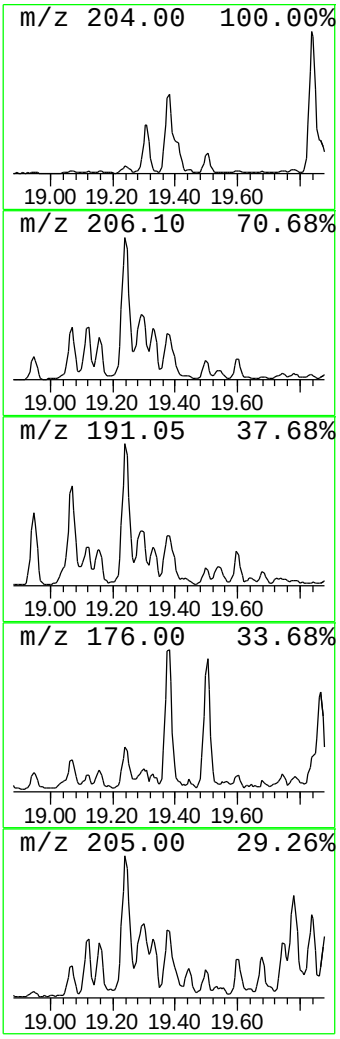
****

Peak Number 34 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	12.89 ng/ul	853918	Phenanthrene-d10	17.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

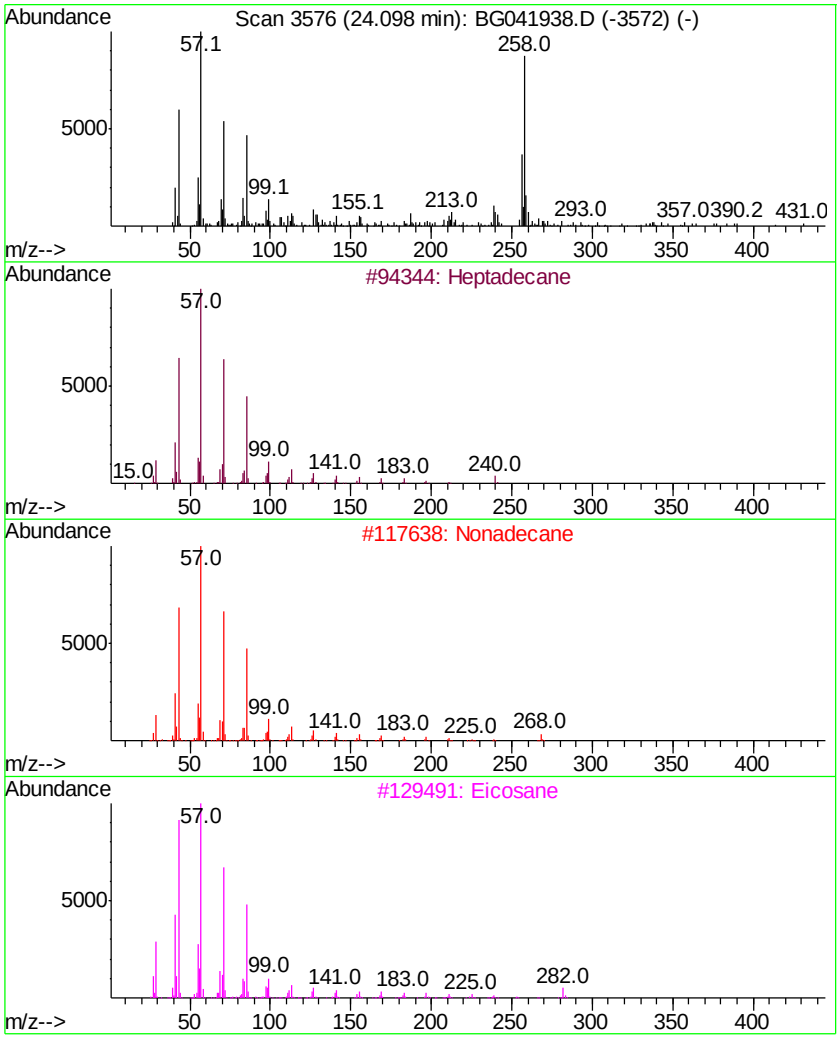
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

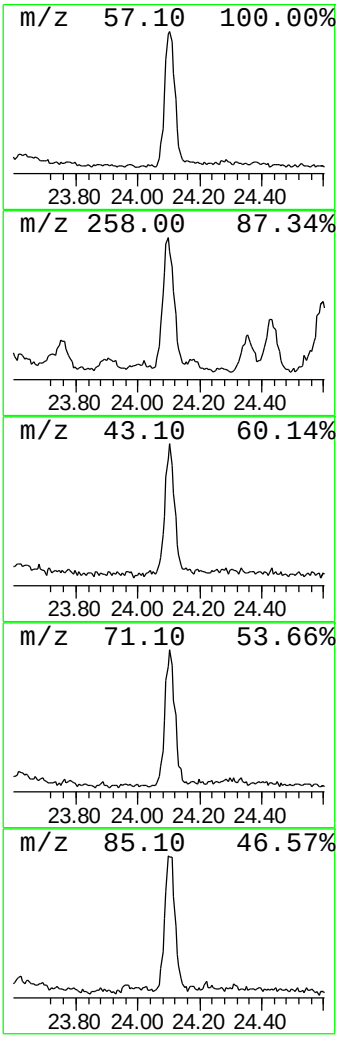
****

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.10	4.92 ng/ul	367053	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Nonadecane	268	C19H40	000629-92-5	86
3	Eicosane	282	C20H42	000112-95-8	80
4	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	42
5	Triacontane	422	C30H62	000638-68-6	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Data File : BG041938.D
Acq On : 4 Aug 2019 11:51
Operator : HP/JU
Sample : K3850-07DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENQ0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.16	28.3	ng/ul	689917	1	8.03	488042	20.0
Naphthalene, 1-me...	12.73	4.0	ng/ul	148596	2	10.86	747871	20.0
Naphthalene, 1,3-...	13.87	2.6	ng/ul	154341	3	14.69	1188760	20.0
Naphthalene, 2,3-...	14.02	3.5	ng/ul	210258	3	14.69	1188760	20.0
Naphthalene, 1,6,...	14.90	2.8	ng/ul	168430	3	14.69	1188760	20.0
1-Isopropenylnaph...	15.00	2.3	ng/ul	138610	3	14.69	1188760	20.0
Naphthalene, 2,3,...	15.09	2.7	ng/ul	162793	3	14.69	1188760	20.0
Diphenylmethane	15.91	2.4	ng/ul	144719	3	14.69	1188760	20.0
1(2H)-Acenaphthyl...	16.41	2.6	ng/ul	172796	4	17.45	1325400	20.0
9H-Fluorene, 2-me...	16.75	4.7	ng/ul	310508	4	17.45	1325400	20.0
2,2'-Dimethylbiph...	16.95	2.4	ng/ul	155954	4	17.45	1325400	20.0
9H-Fluoren-9-one	17.09	2.7	ng/ul	180927	4	17.45	1325400	20.0
Naphtho[2,1-b]thi...	17.26	5.0	ng/ul	330261	4	17.45	1325400	20.0
unknown-01	17.63	2.3	ng/ul	151918	4	17.45	1325400	20.0
Dibenzothiophene,...	18.03	6.8	ng/ul	448907	4	17.45	1325400	20.0
4-Methylnaphtho[1...	18.18	4.6	ng/ul	307479	4	17.45	1325400	20.0
Phenanthrene, 2-m...	18.33	20.9	ng/ul	1386190	4	17.45	1325400	20.0
Phenanthrene, 1-m...	18.46	7.9	ng/ul	525666	4	17.45	1325400	20.0
Anthracene, 2-met...	18.52	28.4	ng/ul	1883910	4	17.45	1325400	20.0
Anthracene, 9-met...	18.56	14.4	ng/ul	954393	4	17.45	1325400	20.0
2,7-Dimethyldiben...	18.72	3.0	ng/ul	197584	4	17.45	1325400	20.0
1,2,4,8-Tetrameth...	18.82	9.1	ng/ul	604738	4	17.45	1325400	20.0
9,10-Anthracenedione	18.86	10.0	ng/ul	663079	4	17.45	1325400	20.0
Phenanthrene, 4,5...	18.94	4.0	ng/ul	261651	4	17.45	1325400	20.0
unknown-02	19.04	2.3	ng/ul	148786	4	17.45	1325400	20.0
di-p-Tolylacetylene	19.12	6.3	ng/ul	417012	4	17.45	1325400	20.0
Phenanthrene, 2,5...	19.24	18.5	ng/ul	1228630	4	17.45	1325400	20.0
unknown-03	19.30	6.1	ng/ul	403398	4	17.45	1325400	20.0
9,10-Dimethylanth...	19.38	12.9	ng/ul	853918	4	17.45	1325400	20.0
(DEL) Alkane: Str...	24.10	4.9	ng/ul	367053	6	25.01	1491440	20.0