LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025087.D
Acq On : 11 Dec 2016 3:07
Operator : UM/SJ
Sample : H5861-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8F3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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	3.560	118	123	124	rBV2	8079	10580	0.24%	0.026%
2	4.206	228	233	237	rVB6	8004	11648	0.27%	0.029%
3	4.359	256	259	265	rBV7	7055	12935	0.30%	0.032%
4	4.535	284	289	291	rBV6	11883	14492	0.33%	0.036%
5	4.676	310	313	317	rBV6	11887	15765	0.36%	0.039%
6	4.712	317	319	325	rVV4	6086	9956	0.23%	0.025%
7	4.823	337	338	342	rBV3	10282	9687	0.22%	0.024%
8	4.900	344	351	363	rVB2	668920	1120184	25.64%	2.760%
9	5.223	402	406	409	rVB3	6069	9567	0.22%	0.024%
10	5.293	414	418	422	rBV6	6361	13083	0.30%	0.032%
11	5.775	497	500	502	rBV4	8648	12057	0.28%	0.030%
12	5.834	502	510	519	rVV2	35019	79429	1.82%	0.196%
13	6.216	570	575	582	rBV2	34126	58647	1.34%	0.145%
14	6.956	696	701	704	rBV5	6600	11865	0.27%	0.029%
15	7.044	711	716	718	rVV3	6263	10379	0.24%	0.026%
16	7.073	718	721	728	rVB7	7675	13807	0.32%	0.034%
17	7.197	741	742	749	rVB6	5415	10597	0.24%	0.026%
18	7.309	752	761	762	rBV6	7184	14664	0.34%	0.036%
19	7.379	767	773	786	rBV2	117124	236741	5.42%	0.583%
20	7.473	786	789	794	rBV4	6970	9800	0.22%	0.024%
21	7.549	796	802	810	rBV2	325354	542845	12.43%	1.338%
22	7.761	830	838	847	rVB	386780	683163	15.64%	1.683%
23	7.873	855	857	862	rVB5	8061	9817	0.22%	0.024%
24	8.237	906	919	933	rVB	292784	549020	12.57%	1.353%
25	8.519	964	967	971	rBV6	7479	10161	0.23%	0.025%
26	8.936	1029	1038	1049	rVV2	339943	628884	14.40%	1.550%
27	9.159	1073	1076	1083	rBV7	6460	12659	0.29%	0.031%
28	9.412	1109	1119	1127	rBV2	474694	882492	20.20%	2.175%
29	9.741	1170	1175	1182	rVB6	7808	19502	0.45%	0.048%
30	9.917	1201	1205	1208	rVB4	10756	13137	0.30%	0.032%
31	10.140	1233	1243	1252	rBV	409039	801617	18.35%	1.975%
32	10.675	1325	1334	1345	rBV	593836	1157016	26.49%	2.851%
33	10.804	1350	1356	1367	rVB4	29417	75477	1.73%	0.186%
34	10.910	1371	1374	1378	rVB3	7813	10438	0.24%	0.026%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025087.D
Acq On : 11 Dec 2016 3:07
Operator : UM/SJ
Sample : H5861-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8F3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

35	11.063	1390	1400	1414	rBV	421956	795925	18.22%	1.961%
36	11.198	1421	1423	1435	rBV9	8274	27007	0.62%	0.067%
37	11.351	1445	1449	1453	rBV7	4204	9974	0.23%	0.025%
38	11.721	1506	1512	1514	rBV7	9443	11580	0.27%	0.029%
39	11.815	1521	1528	1531	rBV7	13584	31884	0.73%	0.079%
40	12.121	1575	1580	1584	rBV6	8237	19084	0.44%	0.047%
41	12.232	1596	1599	1604	rVB6	8661	15444	0.35%	0.038%
42	12.385	1618	1625	1628	rVV3	5697	10052	0.23%	0.025%
43	12.450	1632	1636	1639	rVB5	7834	10364	0.24%	0.026%
44	12.508	1643	1646	1652	rVB6	10044	13539	0.31%	0.033%
45	12.626	1661	1666	1675	rVV9	15462	35479	0.81%	0.087%
46	12.714	1675	1681	1683	rVV6	7359	12191	0.28%	0.030%
47	13.202	1756	1764	1771	rBV3	46537	84273	1.93%	0.208%
48	13.442	1800	1805	1811	rBV4	63166	104292	2.39%	0.257%
49	13.607	1830	1833	1839	rVB7	10646	14362	0.33%	0.035%
50	13.713	1849	1851	1855	rBV5	9813	14172	0.32%	0.035%
51	13.777	1860	1862	1868	rBV6	10249	19809	0.45%	0.049%
52	13.983	1892	1897	1900	rBV7	10122	15948	0.37%	0.039%
53	14.200	1930	1934	1936	rBV5	6034	9709	0.22%	0.024%
54	14.247	1936	1942	1949	rVB	1278911	1869008	42.79%	4.606%
55	14.347	1955	1959	1960	rBV4	9118	10980	0.25%	0.027%
56	14.553	1987	1994	2004	rBV	1232498	2046453	46.85%	5.043%
57	14.858	2038	2046	2052	rBV	721288	1168910	26.76%	2.880%
58	14.917	2052	2056	2062	rVB3	39056	62113	1.42%	0.153%
59	14.994	2062	2069	2072	rBV2	27560	45633	1.04%	0.112%
60	15.052	2074	2079	2089	rBV2	154798	284836	6.52%	0.702%
61	15.252	2108	2113	2115	rBV6	24293	35945	0.82%	0.089%
62	15.340	2124	2128	2135	rVB10	15164	25530	0.58%	0.063%
63	15.569	2162	2167	2171	rBV2	78909	127820	2.93%	0.315%
64	15.605	2171	2173	2177	rVB2	51318	60117	1.38%	0.148%
65	15.840	2202	2213	2220	rBV	1690772	2757772	63.13%	6.796%
66	15.957	2227	2233	2242	rBV	825213	1222006	27.97%	3.011%
67	16.081	2250	2254	2266	rVB	27209	54103	1.24%	0.133%
68	16.404	2307	2309	2316	rVB8	16332	30856	0.71%	0.076%
69	16.574	2333	2338	2344	rVB4	64666	129307	2.96%	0.319%
70	16.680	2353	2356	2358	rBV4	9523	11327	0.26%	0.028%
71	16.868	2384	2388	2393	rVB3	43525	54141	1.24%	0.133%

LSC Area Percent Report

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Acq On : 11 Dec 2016 3:07
Operator : UM/SJ
Sample : H5861-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8F3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

72	16.962	2402	2404	2411	rVB8	16546	29712	0.68%	0.073%
73	17.250	2447	2453	2461	rVB	178309	301165	6.89%	0.742%
74	17.379	2473	2475	2478	rBV4	13770	19868	0.45%	0.049%
75	17.420	2479	2482	2489	rVB4	37805	60150	1.38%	0.148%
76	17.596	2506	2512	2517	rBV2	1061336	1664227	38.10%	4.101%
77	17.638	2517	2519	2523	rVV	239526	320496	7.34%	0.790%
78	17.696	2523	2529	2541	rVV2	2034282	3285494	75.21%	8.096%
79	17.790	2541	2545	2551	rVV	60936	107069	2.45%	0.264%
80	17.837	2551	2553	2560	rVB3	30422	37862	0.87%	0.093%
81	18.002	2573	2581	2587	rVB2	259437	464971	10.64%	1.146%
82	18.442	2652	2656	2662	rVB9	31542	55973	1.28%	0.138%
83	18.525	2665	2670	2674	rVB4	46671	68002	1.56%	0.168%
84	18.660	2688	2693	2703	rBV10	50380	107519	2.46%	0.265%
85	19.007	2746	2752	2760	rVB2	822464	1194021	27.33%	2.942%
86	19.388	2812	2817	2824	rVB	130566	232434	5.32%	0.573%
87	19.518	2834	2839	2846	rBV2	125443	193569	4.43%	0.477%
88	19.635	2850	2859	2866	rBV2	185428	345618	7.91%	0.852%
89	19.700	2866	2870	2872	rBV5	58306	74103	1.70%	0.183%
90	19.829	2889	2892	2894	rBV3	32182	36203	0.83%	0.089%
91	19.970	2909	2916	2928	rVB2	2742554	4368249	100.00%	10.764%
92	20.370	2981	2984	2990	rVB3	52330	85709	1.96%	0.211%
93	20.434	2991	2995	3008	rVB	144717	264349	6.05%	0.651%
94	21.891	3235	3243	3250	rBV	1211113	2161760	49.49%	5.327%
95	23.378	3493	3496	3503	rVB8	78337	119107	2.73%	0.294%
96	24.212	3634	3638	3649	rVB6	75450	188704	4.32%	0.465%
97	25.064	3772	3783	3796	rVB2	1299950	3922812	89.80%	9.667%
98	25.211	3803	3808	3813	rBV5	82805	186373	4.27%	0.459%
99	25.299	3814	3823	3834	rVB3	672587	2098957	48.05%	5.172%
100	26.404	4007	4011	4019	rVB5	108685	251773	5.76%	0.620%

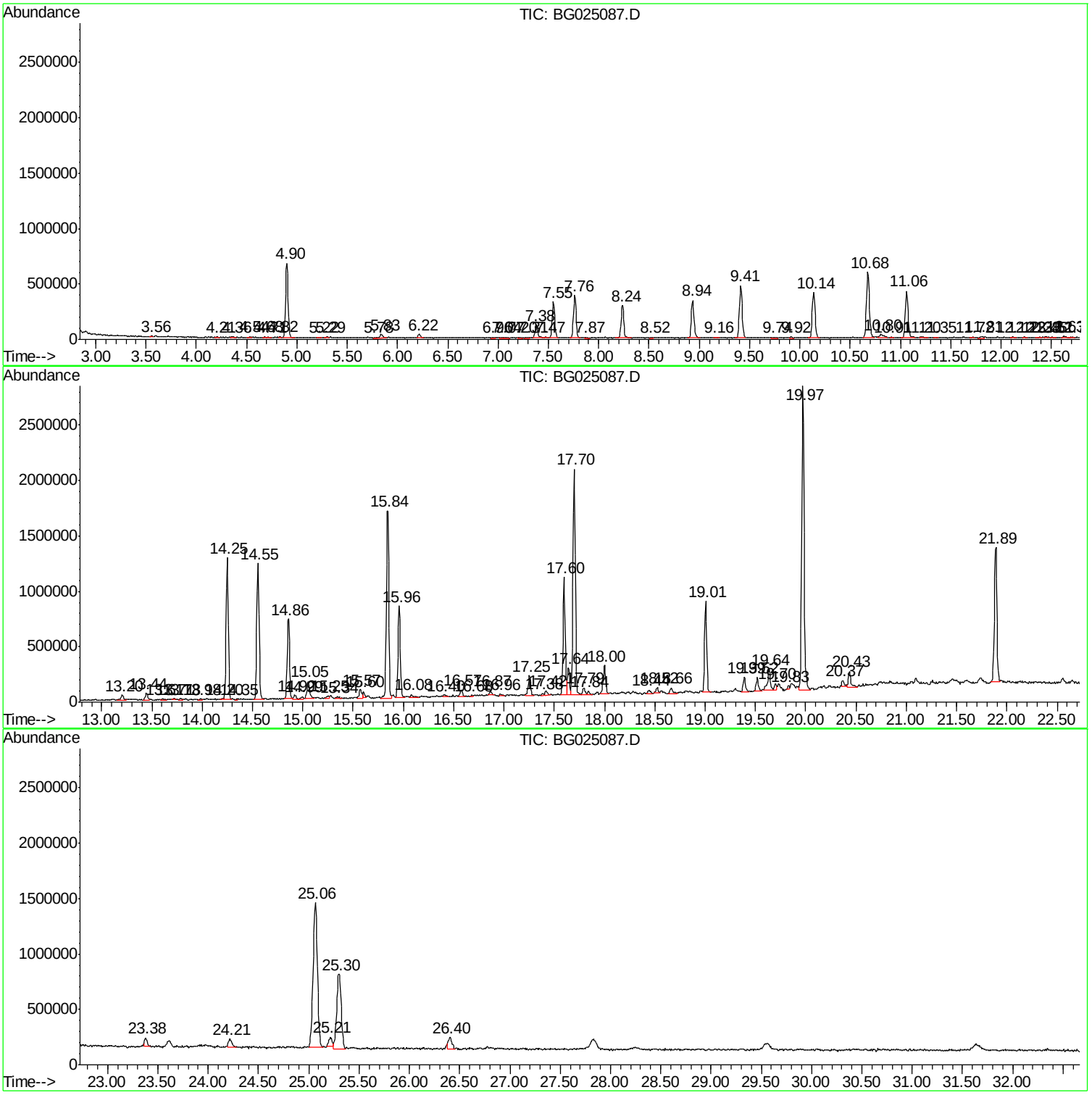
Sum of corrected areas: 40580305

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025087.D
Acq On : 11 Dec 2016 3:07
Operator : UM/SJ
Sample : H5861-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8F3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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



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Misc :
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Instrument : BNA_G
ClientSampleId : DA8F3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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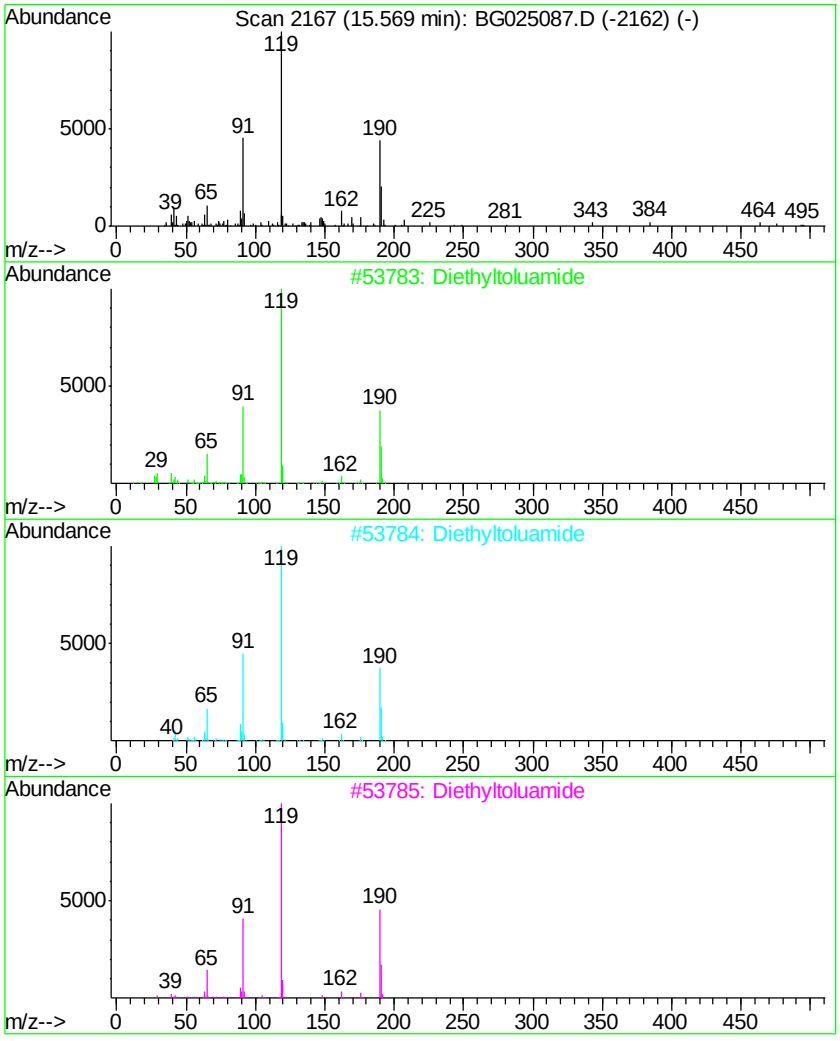
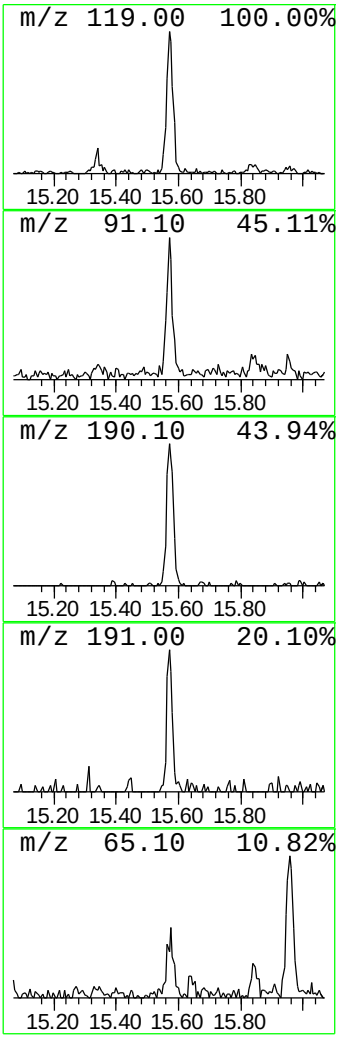
Peak Number 4 Diethyltoluamide Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	2.19 ng/ul	127820	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	87
2	Diethyltoluamide	191	C12H17NO	000134-62-3	83
3	Diethyltoluamide	191	C12H17NO	000134-62-3	80
4	Diethyltoluamide	191	C12H17NO	000134-62-3	64
5	1,3-Dithiacyclohexane, 2-pentyl-	190	C9H18S2	021777-32-2	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025087.D
Acq On : 11 Dec 2016 3:07
Operator : UM/SJ
Sample : H5861-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8F3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

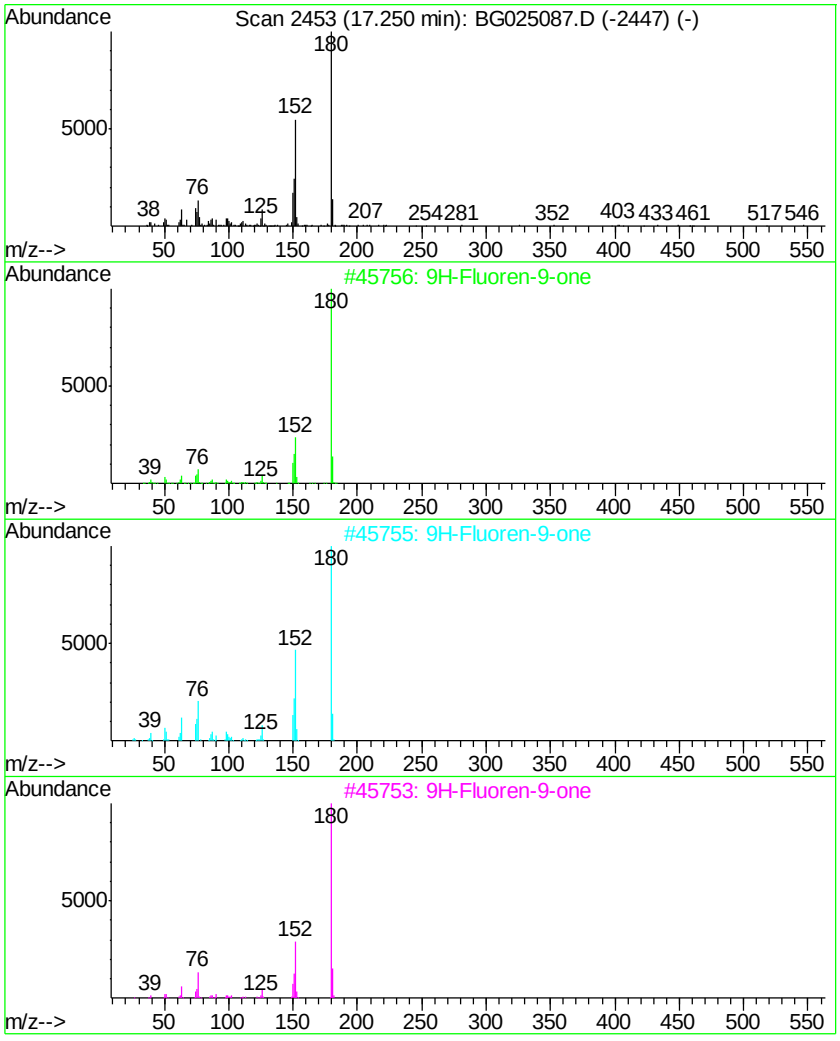
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

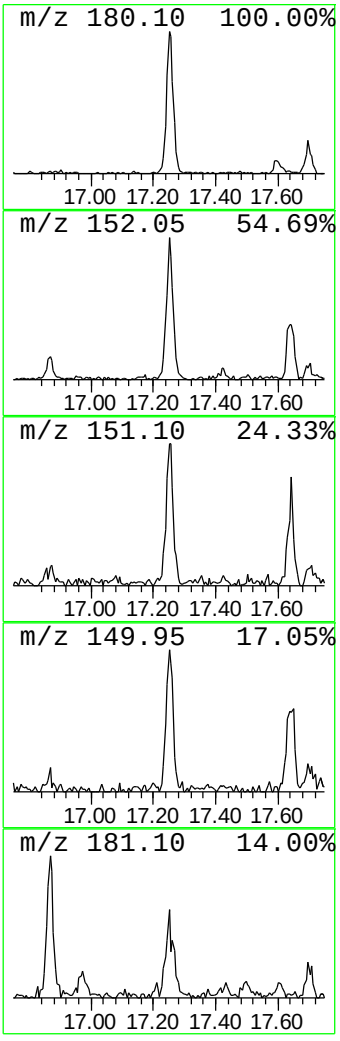
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	3.62 ng/ul	301165	Phenanthrene-d10	17.60

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	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83





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Data File : BG025087.D
Acq On : 11 Dec 2016 3:07
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Sample : H5861-12
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Instrument : BNA_G
ClientSampleId : DA8F3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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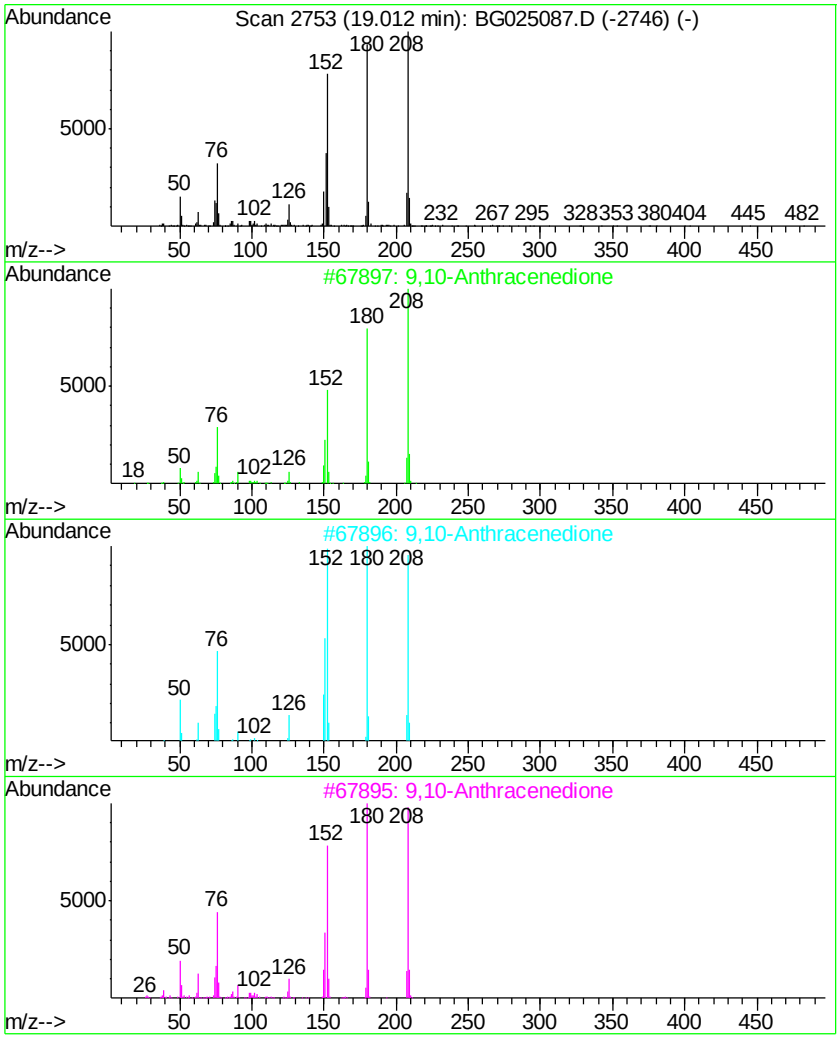
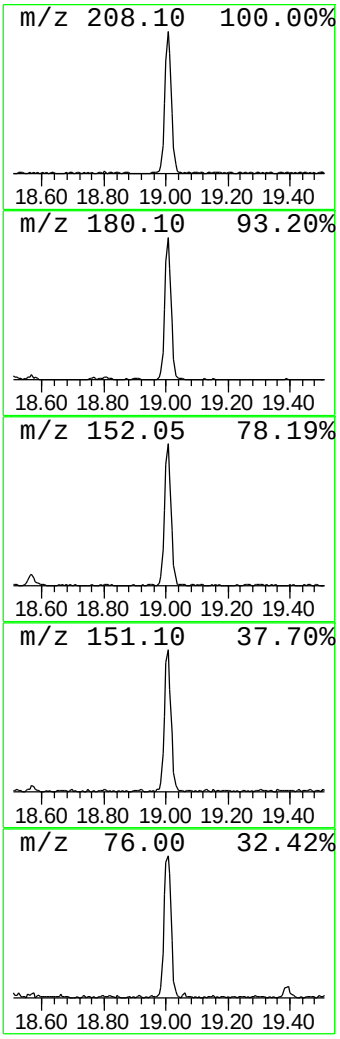
Peak Number 6 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	14.35 ng/ul	1194020	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64





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Data File : BG025087.D
Acq On : 11 Dec 2016 3:07
Operator : UM/SJ
Sample : H5861-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8F3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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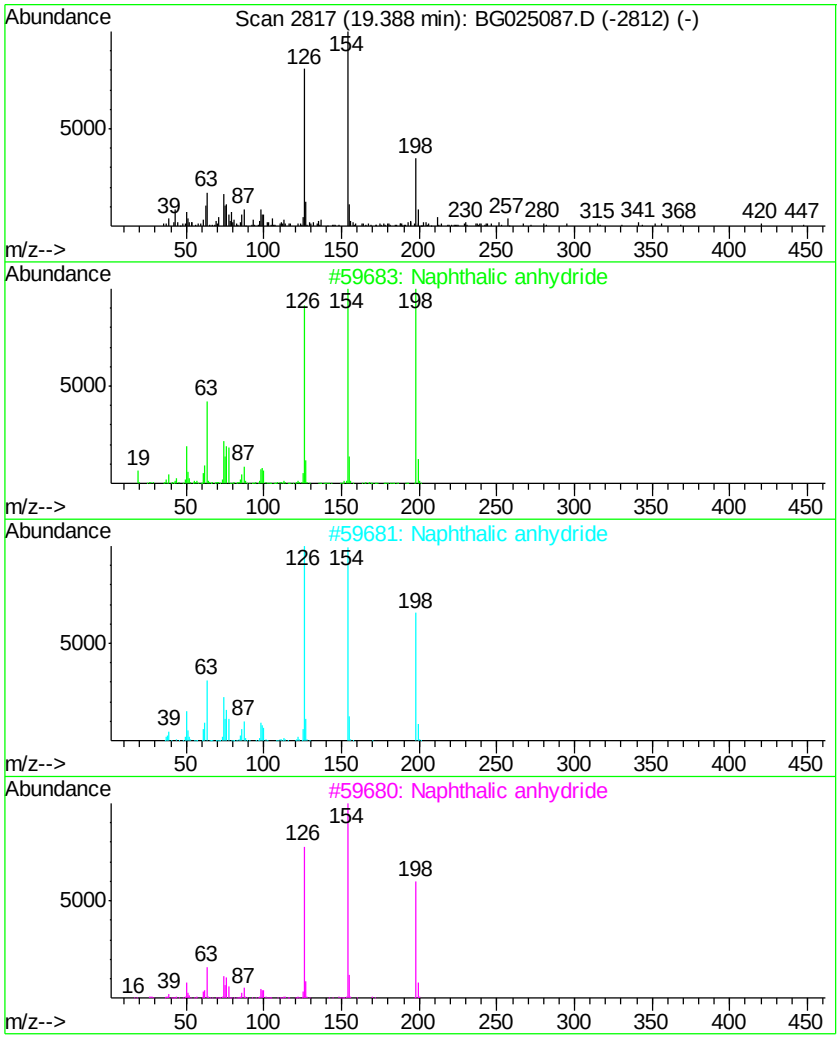
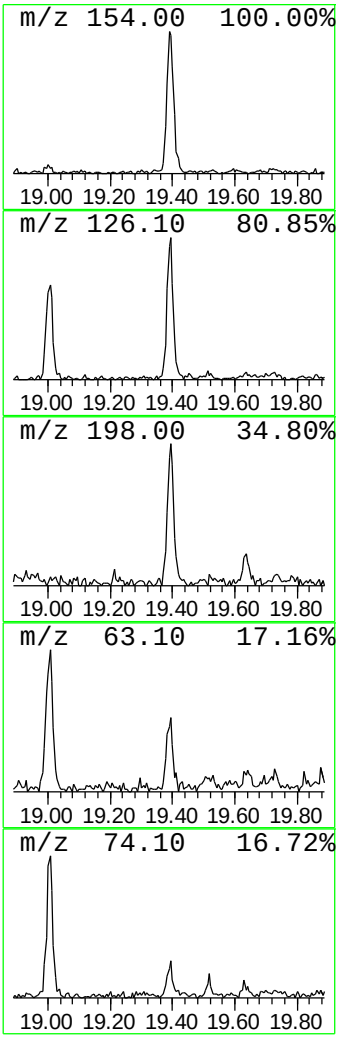
Peak Number 7 Naphthalic anhydride Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	2.79 ng/ul	232434	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	95
2	Naphthalic anhydride	198	C12H6O3	000081-84-5	94
3	Naphthalic anhydride	198	C12H6O3	000081-84-5	93
4	Naphthalic anhydride	198	C12H6O3	000081-84-5	90
5	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	59





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025087.D
Acq On : 11 Dec 2016 3:07
Operator : UM/SJ
Sample : H5861-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8F3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

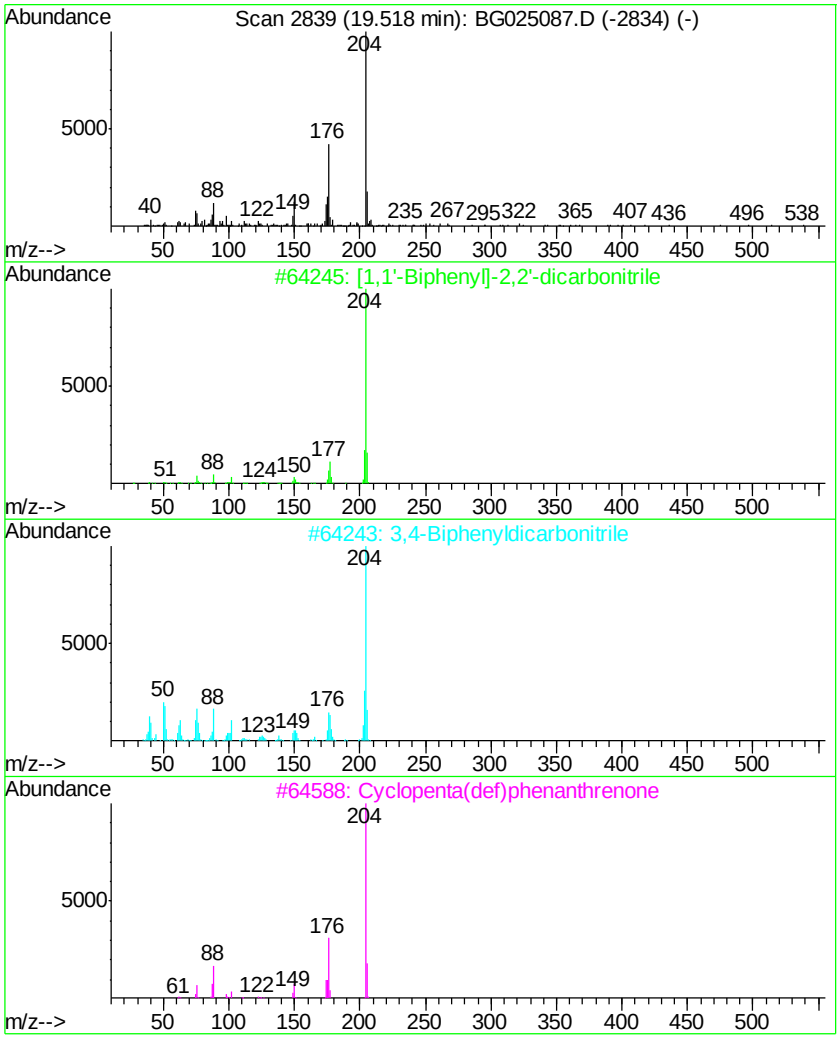
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

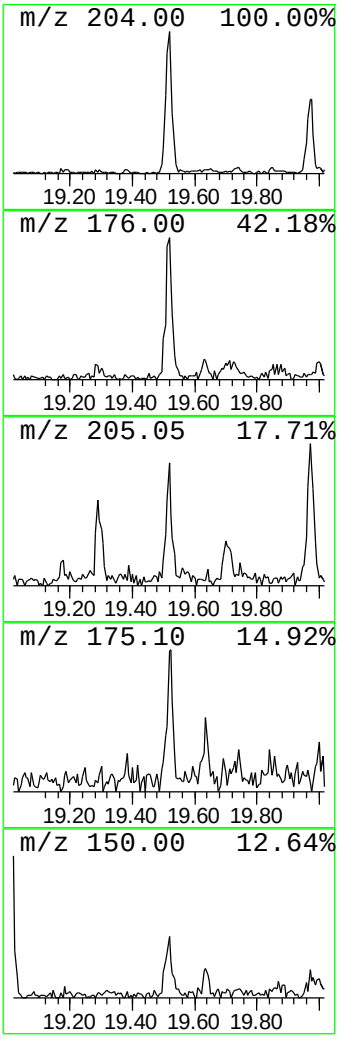
****

Peak Number 8 [1,1'-Biphenyl]-2,2'-dicarb... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	2.33 ng/ul	193569	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	47
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025087.D
Acq On : 11 Dec 2016 3:07
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Sample : H5861-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8F3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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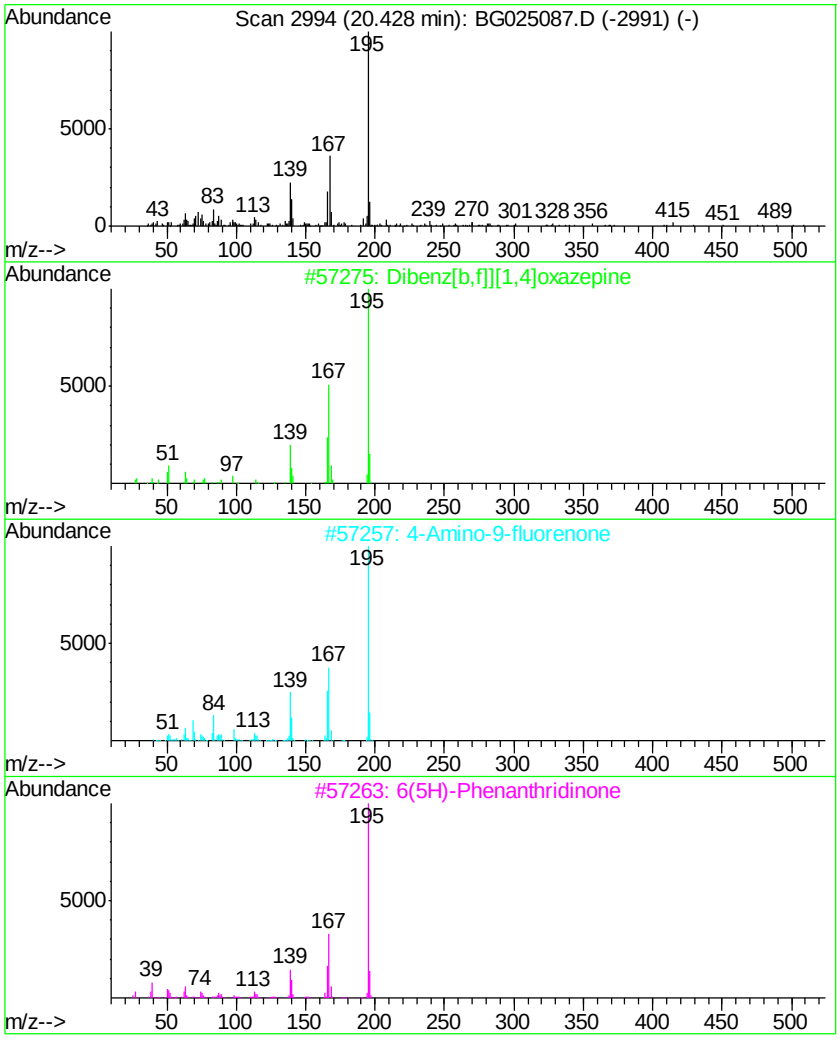
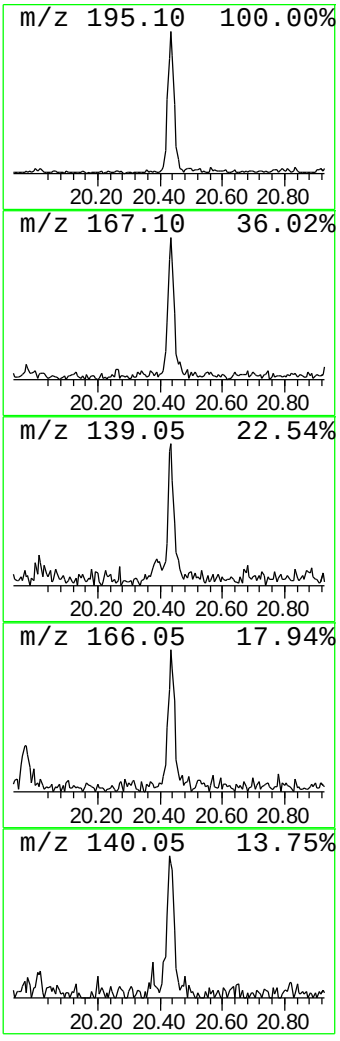
Peak Number 9 Dibenz[b,f]][1,4]oxazepine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.45 ng/ul	264349	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[b,f]][1,4]oxazepine	195	C13H9NO	000257-07-8	94
2	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	91
3	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	91
4	Benzo[c]cinnolin-2-amine	195	C12H9N3	004827-07-0	90
5	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025087.D
Acq On : 11 Dec 2016 3:07
Operator : UM/SJ
Sample : H5861-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8F3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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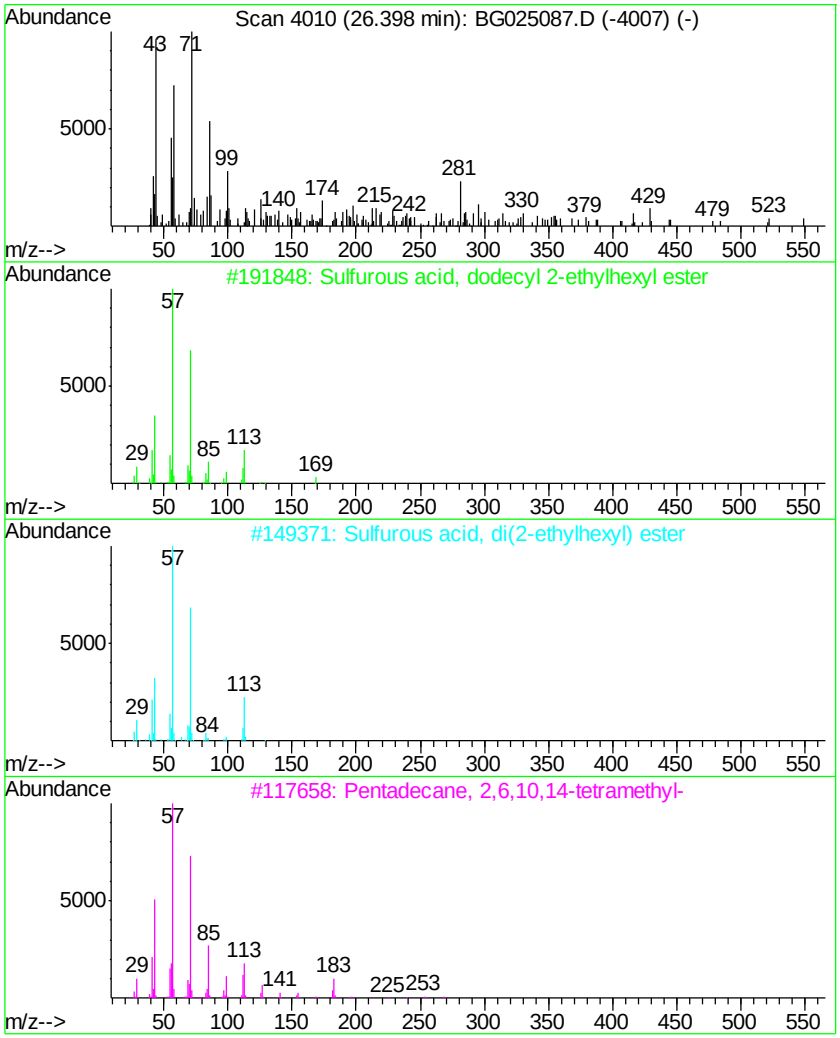
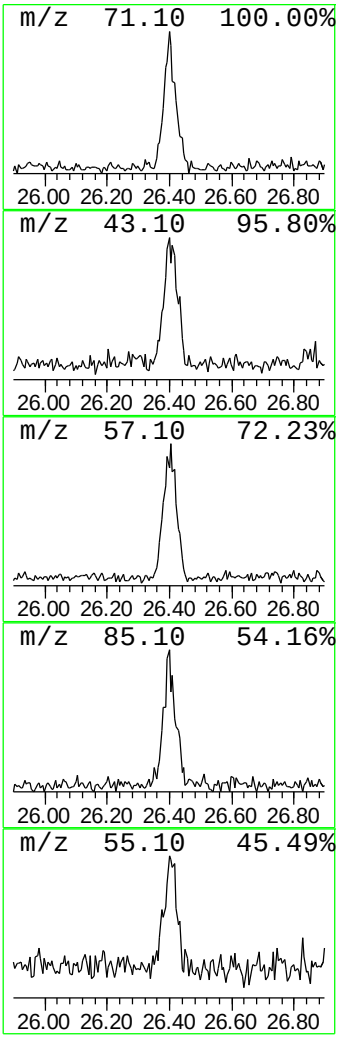
Peak Number 10 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.40	2.40 ng/ul	251773	Perylene-d12	25.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	10
2	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	10
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	9
4	Sulfurous acid, 2-ethylhexyl oct...	446	C26H54O3S	1000309-20-1	9
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025087.D
Acq On : 11 Dec 2016 3:07
Operator : UM/SJ
Sample : H5861-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8F3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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
Diethyltoluamide	15.57	2.2	ng/ul	127820	3	14.86	1168910	20.0
9H-Fluoren-9-one	17.25	3.6	ng/ul	301165	4	17.60	1664230	20.0
9,10-Anthracenedione	19.01	14.4	ng/ul	1194020	4	17.60	1664230	20.0
Naphthalic anhydride	19.39	2.8	ng/ul	232434	4	17.60	1664230	20.0
[1,1'-Biphenyl]-2...	19.52	2.3	ng/ul	193569	4	17.60	1664230	20.0
Dibenz[b,f]][1,4]...	20.43	2.5	ng/ul	264349	5	21.89	2161760	20.0
unknown-01	26.40	2.4	ng/ul	251773	6	25.31	2098960	20.0