LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

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-BG070615.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.808	16	20	24	rBV	106847	155708	1.00%	0.110%
2	2.884	28	33	49	rVB	2125926	2746815	17.62%	1.948%
3	4.747	343	350	360	rVV3	46743	96471	0.62%	0.068%
4	5.634	494	501	511	rBV4	30251	86183	0.55%	0.061%
5	6.780	687	696	703	rVV	180502	306509	1.97%	0.217%
6	6.944	719	724	730	rBV	115787	185954	1.19%	0.132%
7	7.138	751	757	767	rVB	180876	284507	1.82%	0.202%
8	7.255	769	777	787	rBV6	26125	78612	0.50%	0.056%
9	7.602	829	836	843	rBV	201978	332622	2.13%	0.236%
10	8.307	948	956	962	rVB	206219	339901	2.18%	0.241%
11	8.754	1027	1032	1038	rVV	162782	248923	1.60%	0.176%
12	9.471	1140	1154	1160	rBV2	142274	295305	1.89%	0.209%
13	10.005	1236	1245	1253	rVV	216899	397672	2.55%	0.282%
14	10.387	1300	1310	1314	rBV	307632	563839	3.62%	0.400%
15	10.434	1314	1318	1326	rVV	353897	567858	3.64%	0.403%
16	10.528	1327	1334	1336	rVV	78540	145009	0.93%	0.103%
17	10.557	1337	1339	1344	rVB2	61778	81069	0.52%	0.057%
18	11.427	1481	1487	1495	rBV2	83496	180766	1.16%	0.128%
19	11.950	1573	1576	1583	rVB4	40484	79624	0.51%	0.056%
20	12.056	1583	1594	1602	rVB	342093	616497	3.95%	0.437%
21	12.279	1627	1632	1637	rVB	371804	556564	3.57%	0.395%
22	12.802	1716	1721	1726	rBV2	117565	163712	1.05%	0.116%
23	13.090	1763	1770	1778	rBV4	137083	283555	1.82%	0.201%
24	13.419	1821	1826	1835	rVB3	300584	726398	4.66%	0.515%
25	13.577	1848	1853	1858	rBV	487964	836907	5.37%	0.593%
26	13.630	1858	1862	1866	rVV	239127	331657	2.13%	0.235%
27	13.677	1866	1870	1873	rVV	351404	482945	3.10%	0.342%
28	13.718	1873	1877	1881	rVV2	184132	252821	1.62%	0.179%
29	13.760	1881	1884	1888	rVB2	140370	171745	1.10%	0.122%
30	13.812	1888	1893	1897	rBV	228989	353934	2.27%	0.251%
31	13.948	1911	1916	1919	rBV	418222	638497	4.10%	0.453%
32	13.983	1919	1922	1928	rVB	375056	567399	3.64%	0.402%
33	14.177	1951	1955	1959	rBV2	119661	150599	0.97%	0.107%
34	14.259	1960	1969	1974	rBV3	467913	1004769	6.45%	0.712%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

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-BG070615.M
Title : SVOA CALIBRATION

35	14.324	1976	1980	1983	rBV2	145124	205836	1.32%	0.146%
36	14.471	2000	2005	2015	rVB4	230481	512310	3.29%	0.363%
37	14.664	2034	2038	2045	rVB	352598	586261	3.76%	0.416%
38	14.741	2047	2051	2056	rVB	320563	446996	2.87%	0.317%
39	14.800	2058	2061	2067	rVB5	158904	238952	1.53%	0.169%
40	14.888	2070	2076	2080	rVV2	251954	471610	3.03%	0.334%
41	14.935	2080	2084	2088	rVB	205096	303257	1.95%	0.215%
42	15.052	2098	2104	2107	rBV5	160507	312278	2.00%	0.221%
43	15.087	2107	2110	2114	rVV	107818	160689	1.03%	0.114%
44	15.134	2115	2118	2123	rVB2	202478	235361	1.51%	0.167%
45	15.258	2135	2139	2144	rVB2	553160	771207	4.95%	0.547%
46	15.311	2144	2148	2153	rBV	699215	1004621	6.44%	0.712%
47	15.369	2153	2158	2162	rVV5	88298	199293	1.28%	0.141%
48	15.440	2166	2170	2174	rVB	271467	351982	2.26%	0.250%
49	15.540	2182	2187	2193	rBV3	261368	522437	3.35%	0.370%
50	15.610	2196	2199	2209	rVB2	253740	488978	3.14%	0.347%
51	15.998	2260	2265	2267	rBV2	390974	611923	3.93%	0.434%
52	16.127	2284	2287	2291	rBV2	157917	212794	1.36%	0.151%
53	16.321	2314	2320	2325	rBV4	277559	569662	3.65%	0.404%
54	16.374	2325	2329	2333	rBV2	362609	515754	3.31%	0.366%
55	16.674	2376	2380	2386	rVB3	264793	427658	2.74%	0.303%
56	16.750	2390	2393	2398	rVV3	214015	418866	2.69%	0.297%
57	16.791	2398	2400	2403	rVV3	230819	300695	1.93%	0.213%
58	16.832	2403	2407	2417	rVB2	1010242	1868079	11.98%	1.324%
59	17.015	2434	2438	2441	rBV	448646	682327	4.38%	0.484%
60	17.062	2441	2446	2451	rVV	5029515	7318715	46.95%	5.189%
61	17.115	2451	2455	2458	rVV2	616508	924527	5.93%	0.655%
62	17.150	2458	2461	2465	rVB	853969	1063719	6.82%	0.754%
63	17.220	2467	2473	2478	rBV4	247363	600106	3.85%	0.425%
64	17.538	2523	2527	2531	rBV2	618994	765562	4.91%	0.543%
65	17.596	2533	2537	2547	rVB2	685602	1136575	7.29%	0.806%
66	17.743	2557	2562	2568	rVB	496948	864616	5.55%	0.613%
67	17.896	2583	2588	2592	rBV	1524643	2308126	14.81%	1.636%
68	17.943	2592	2596	2603	rVB	1966763	2918559	18.72%	2.069%
69	18.019	2606	2609	2613	rVV	408465	619810	3.98%	0.439%
70	18.090	2616	2621	2625	rVV2	2290114	4160577	26.69%	2.950%
71	18.125	2625	2627	2634	rVB	1121912	1367542	8.77%	0.970%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

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-BG070615.M
Title : SVOA CALIBRATION

72	18.401	2670	2674	2678	rBV	1307495	1812717	11.63%	1.285%
73	18.648	2714	2716	2720	rVB	491238	535021	3.43%	0.379%
74	18.701	2721	2725	2728	rBV	696639	912050	5.85%	0.647%
75	18.742	2729	2732	2737	rVB	664581	841844	5.40%	0.597%
76	18.824	2741	2746	2751	rBV	1467082	2446185	15.69%	1.734%
77	18.883	2751	2756	2760	rBV3	746609	1286330	8.25%	0.912%
78	18.965	2766	2770	2773	rBV2	627736	1053335	6.76%	0.747%
79	19.095	2786	2792	2798	rBV	5678378	8367627	53.67%	5.933%
80	19.159	2800	2803	2806	rVV	450337	515005	3.30%	0.365%
81	19.465	2845	2855	2862	rBV	8718250	15589704	100.00%	11.053%
82	19.535	2863	2867	2872	rVB2	1414164	2260852	14.50%	1.603%
83	19.694	2892	2894	2900	rVB4	715268	948802	6.09%	0.673%
84	19.782	2905	2909	2919	rVB4	978301	2646757	16.98%	1.877%
85	19.952	2929	2938	2942	rVB2	1638925	3752863	24.07%	2.661%
86	20.052	2952	2955	2959	rVB	1222629	1564583	10.04%	1.109%
87	20.117	2961	2966	2970	rVV	2422127	3512355	22.53%	2.490%
88	20.252	2986	2989	2993	rBV	1906117	2508033	16.09%	1.778%
89	20.299	2993	2997	3000	rVV	2372089	3305076	21.20%	2.343%
90	20.334	3001	3003	3011	rVB3	1157308	1592783	10.22%	1.129%
91	20.704	3064	3066	3072	rVB2	1310826	1794740	11.51%	1.272%
92	20.793	3079	3081	3087	rVB	1135840	1259877	8.08%	0.893%
93	20.851	3087	3091	3093	rBV	1224187	1778357	11.41%	1.261%
94	20.910	3099	3101	3104	rVB	977462	919760	5.90%	0.652%
95	21.210	3148	3152	3156	rBV2	4537176	6819656	43.74%	4.835%
96	21.263	3159	3161	3167	rVV	3950110	4853681	31.13%	3.441%
97	21.339	3171	3174	3178	rVB2	1271014	1531754	9.83%	1.086%
98	22.802	3418	3423	3427	rBV2	2362279	4712632	30.23%	3.341%
99	23.278	3499	3504	3510	rBV	2348993	4517423	28.98%	3.203%
100	23.384	3517	3522	3528	rVB	3822785	6622510	42.48%	4.695%

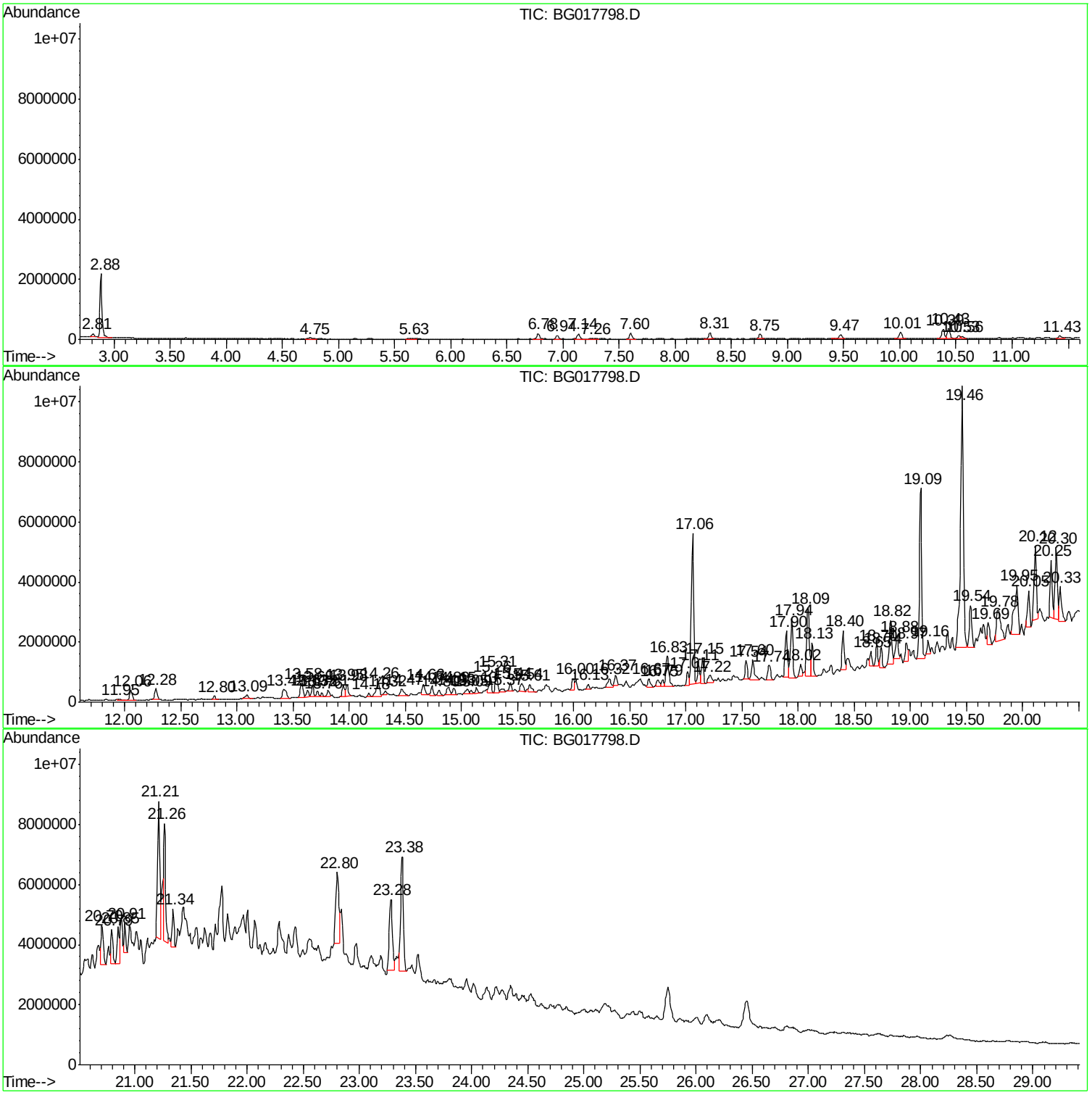
Sum of corrected areas: 141041918

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.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\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

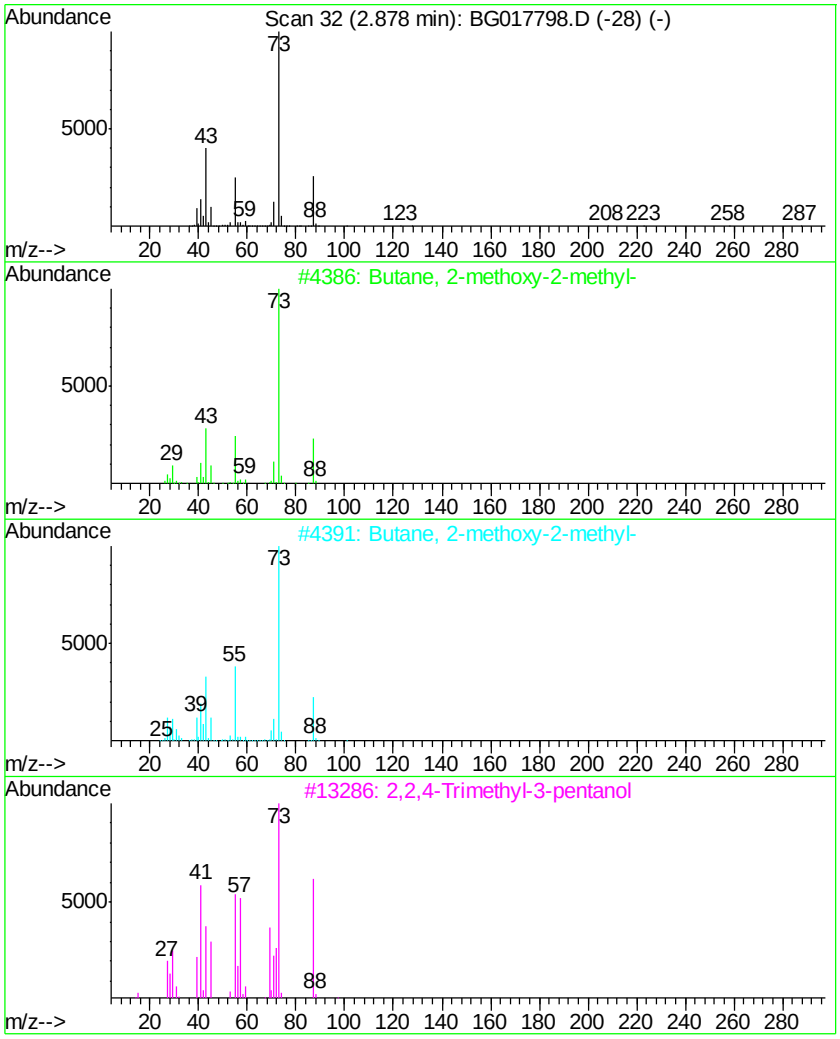
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

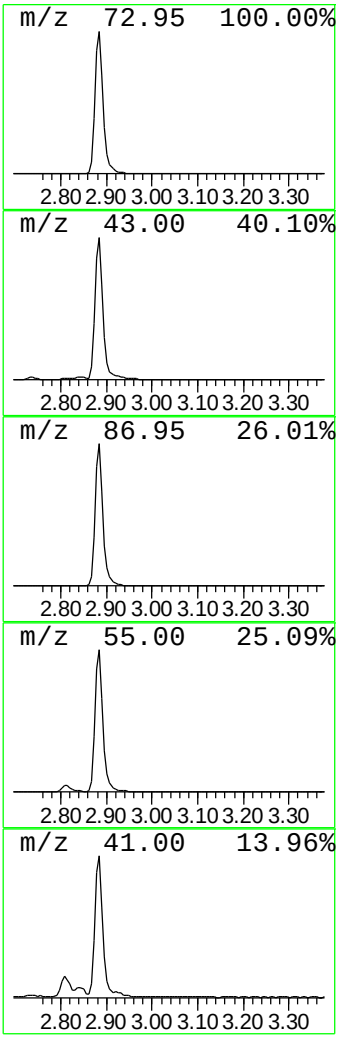
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	165.16 ng/ul	2746820	1,4-Dichlorobenzene-d4	7.60

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	72
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	50
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	38
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

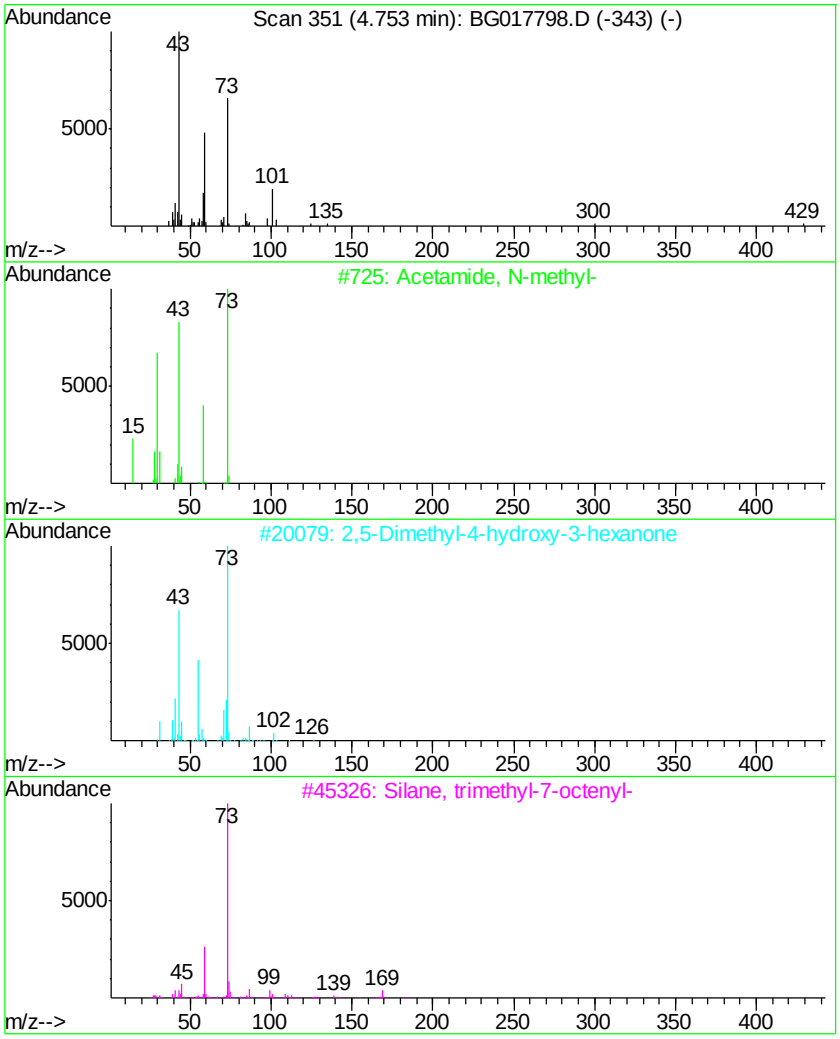
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

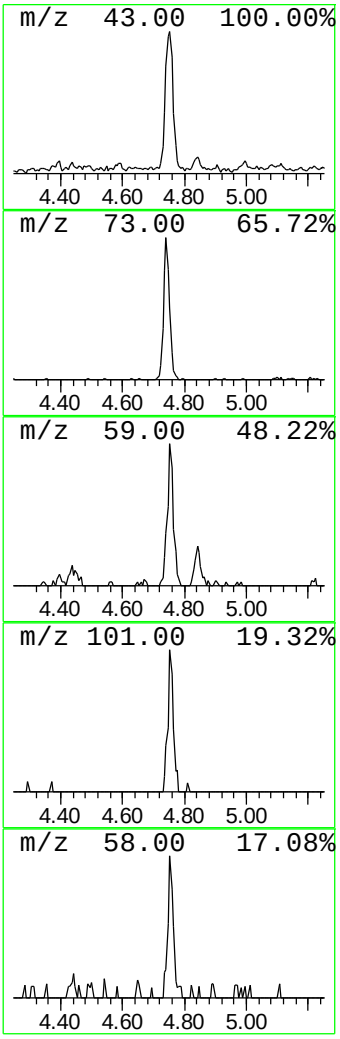
****

Peak Number 3 unknown-01 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.75	5.80 ng/ul	96471	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	43
2	2,5-Dimethyl-4-hydroxy-3-hexanone	144	C8H16O2	000815-77-0	43
3	Silane, trimethyl-7-octenyl-	184	C11H24Si	252991-06-3	38
4	2-[2-[2-Methoxyethoxy]ethoxy-1,3...	192	C8H16O5	074733-99-6	37
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	32





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

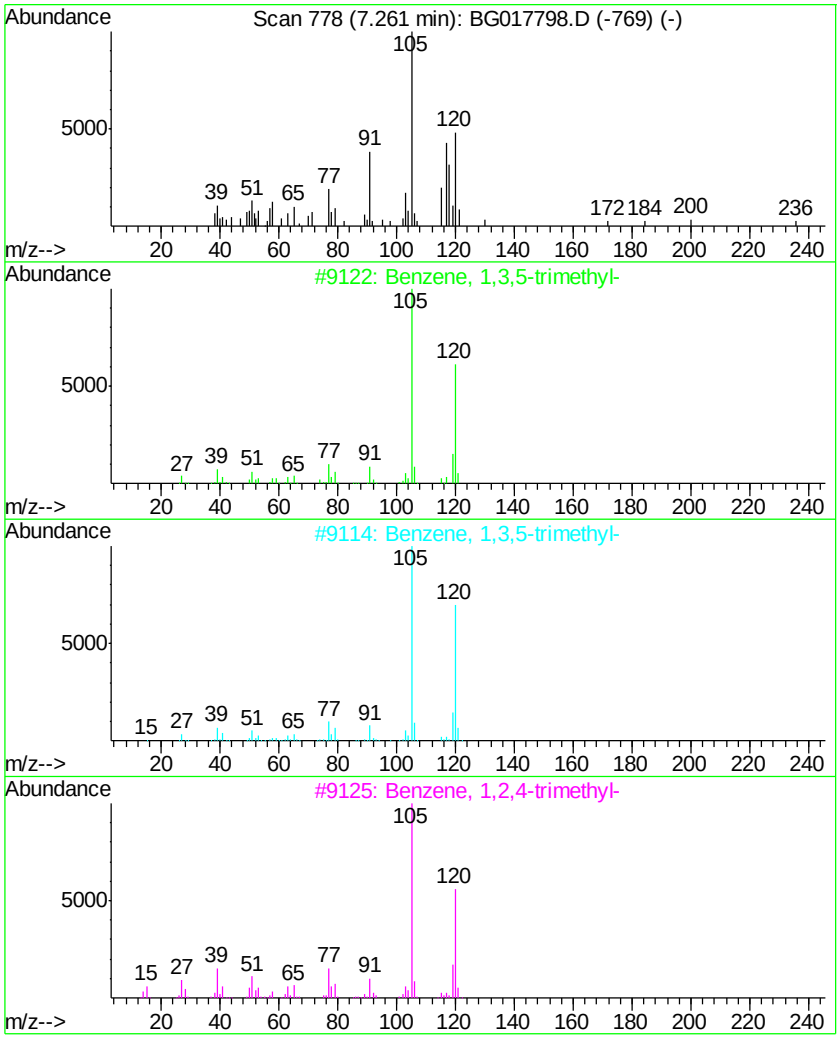
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

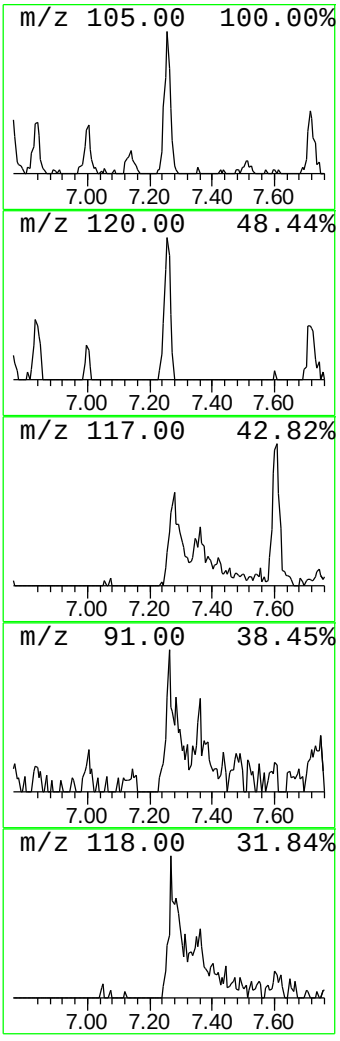
****

Peak Number 5 Benzene, 1,3,5-trimethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	4.73 ng/ul	78612	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	64
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	64
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	62
4	2,4-Nonadiyne	120	C9H12	063621-15-8	60
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	60





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

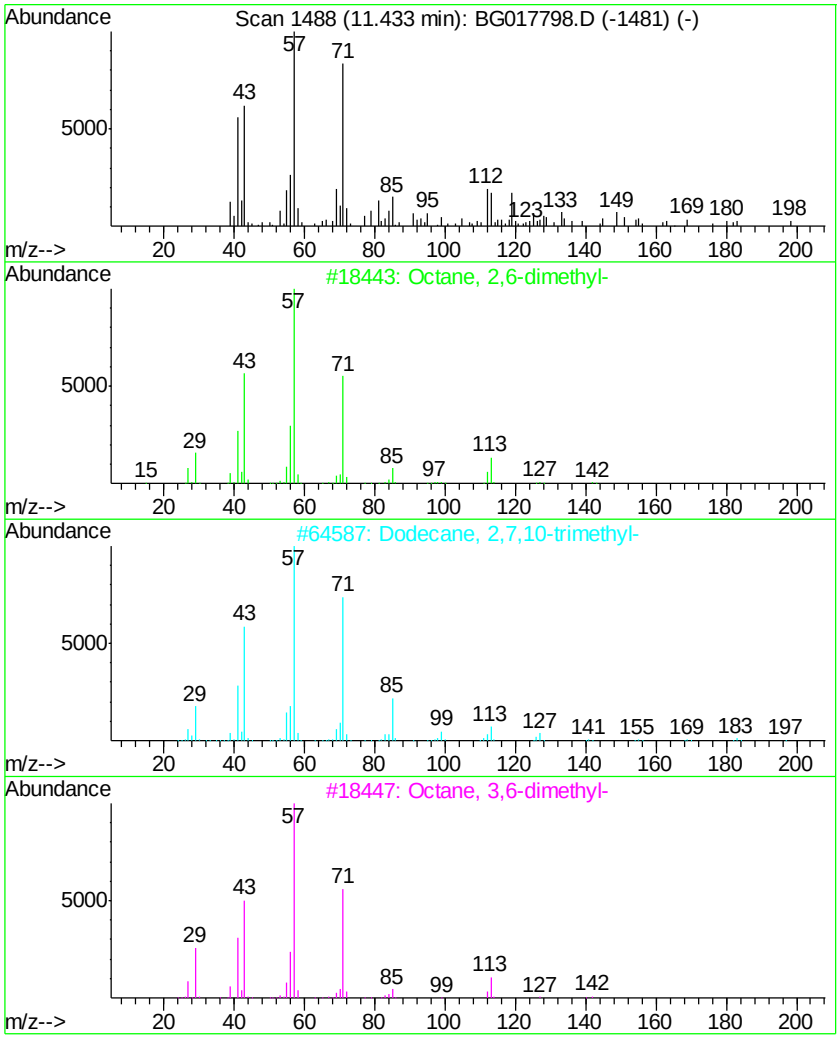
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

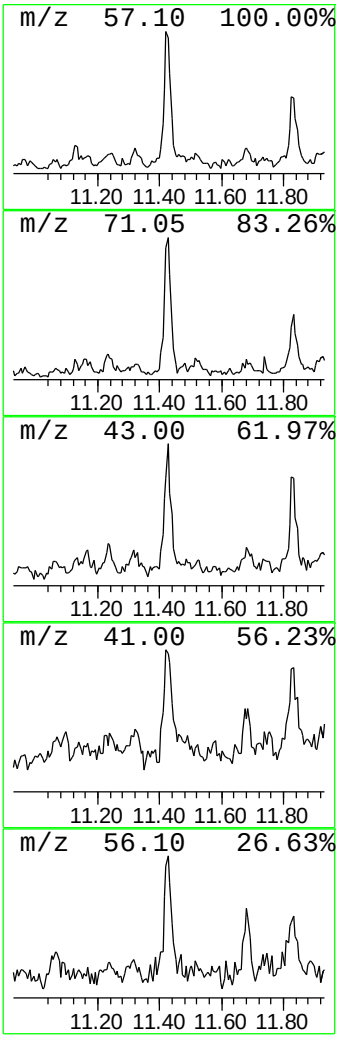
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	6.41 ng/ul	180766	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
5	Decane, 4-methyl-	156	C11H24	002847-72-5	53





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

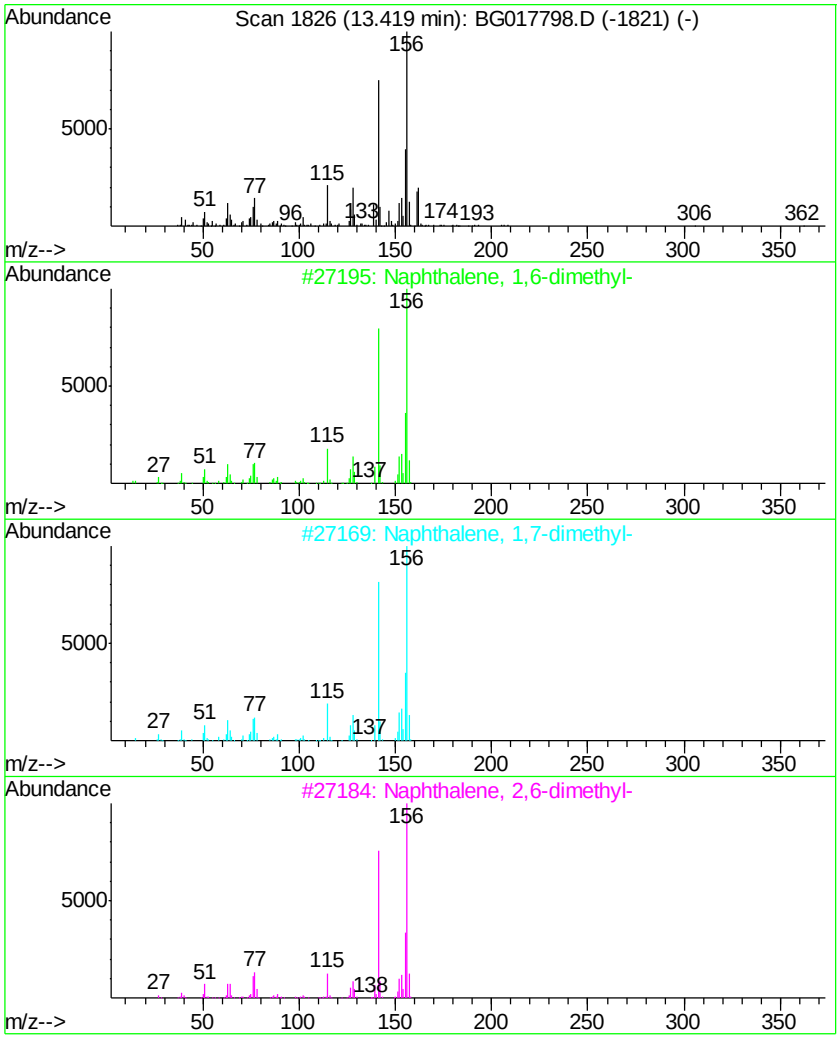
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

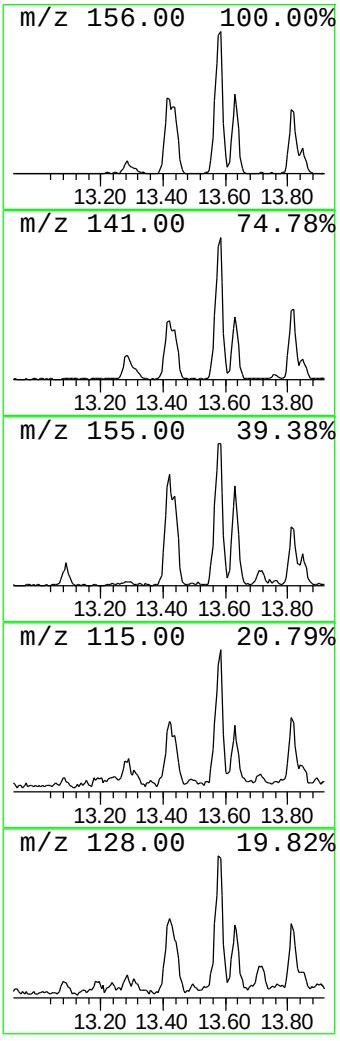
****

Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	14.46 ng/ul	726398	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

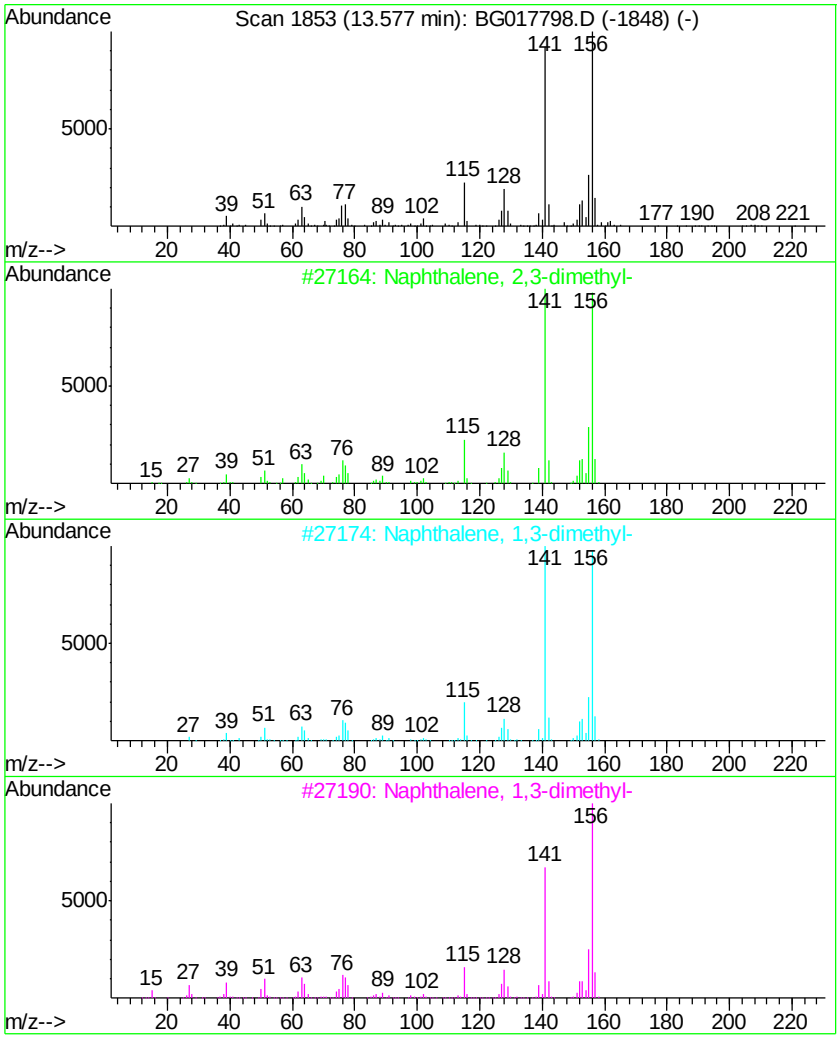
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

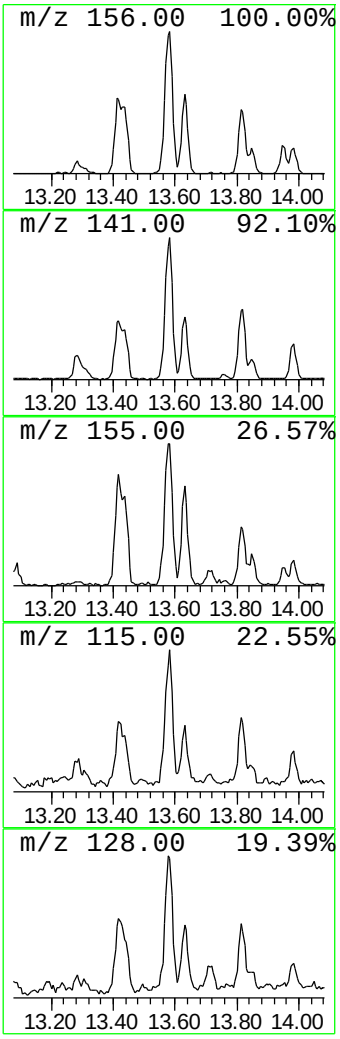
****

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	16.66 ng/ul	836907	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

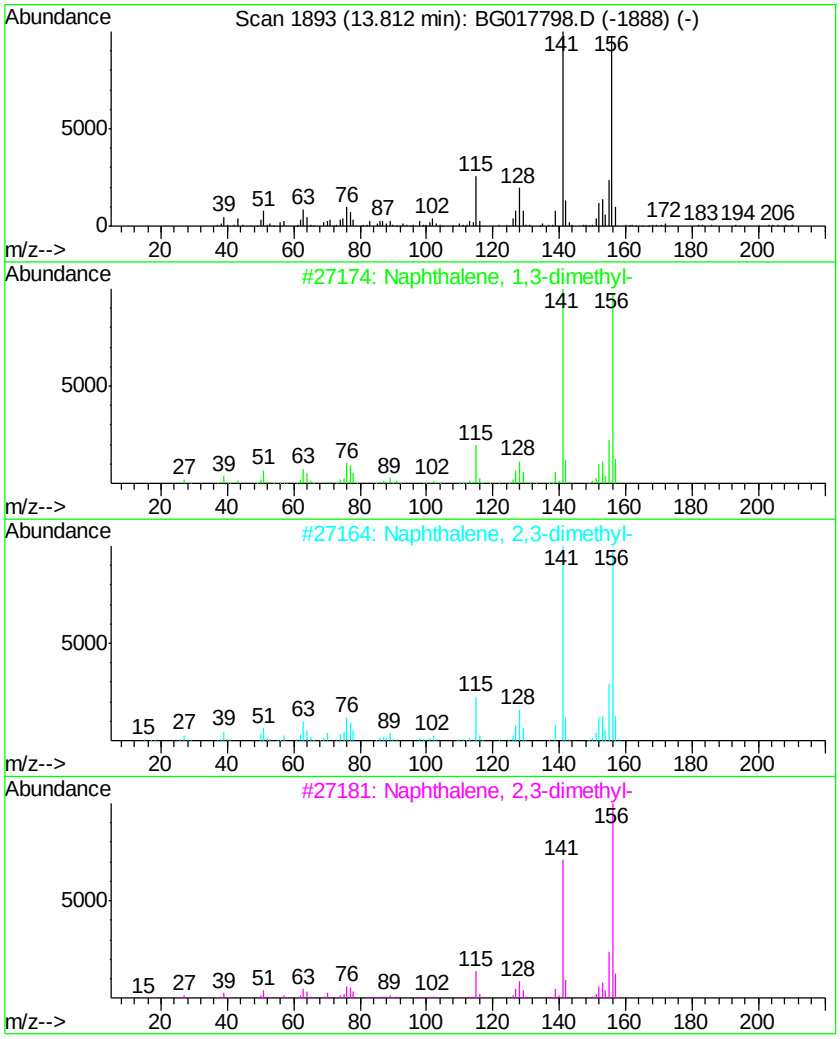
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

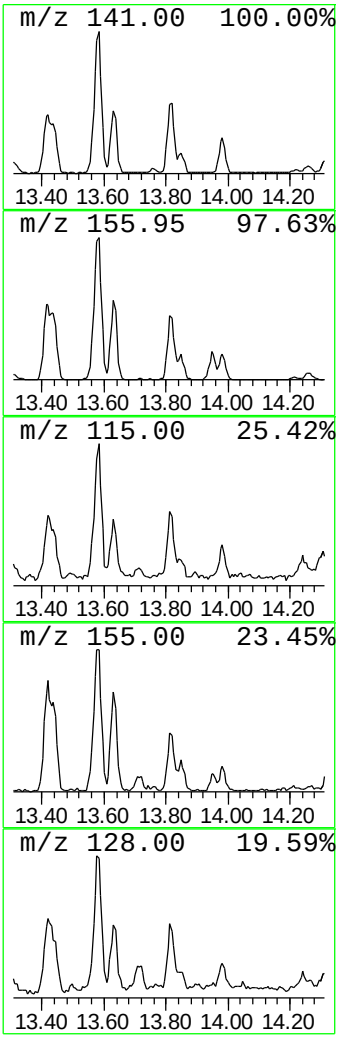
****

Peak Number 10 Naphthalene, 1,3-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	7.05 ng/ul	353934	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

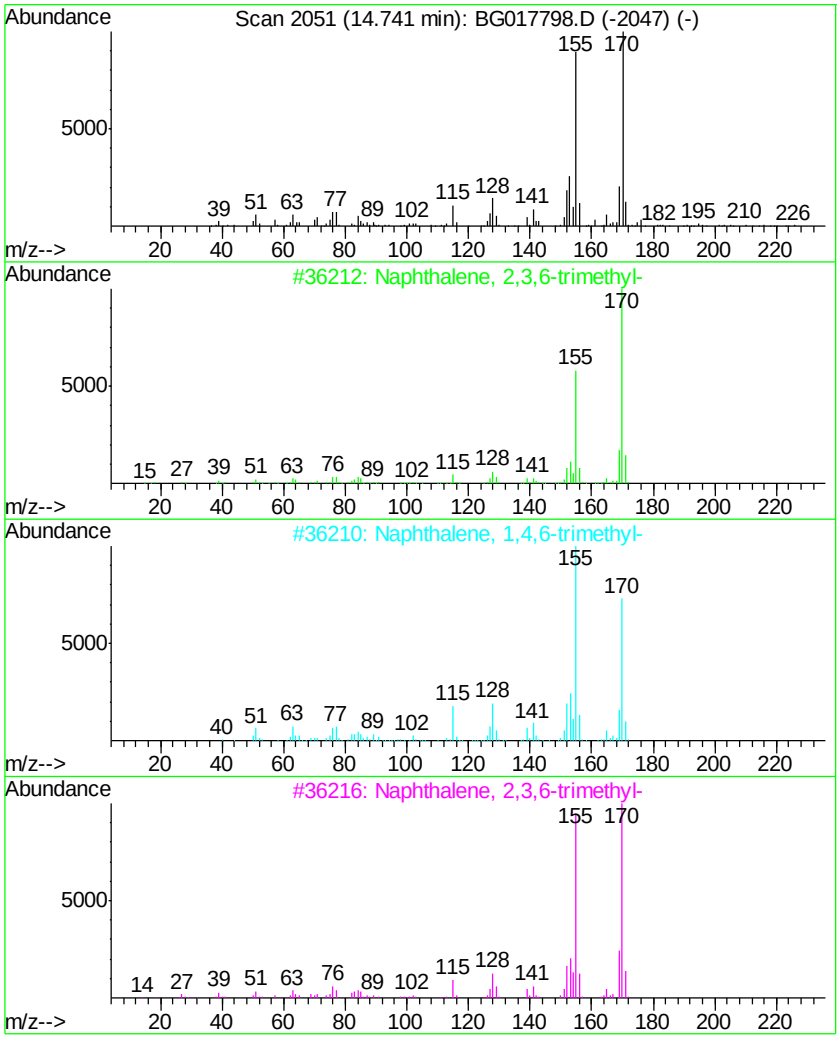
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

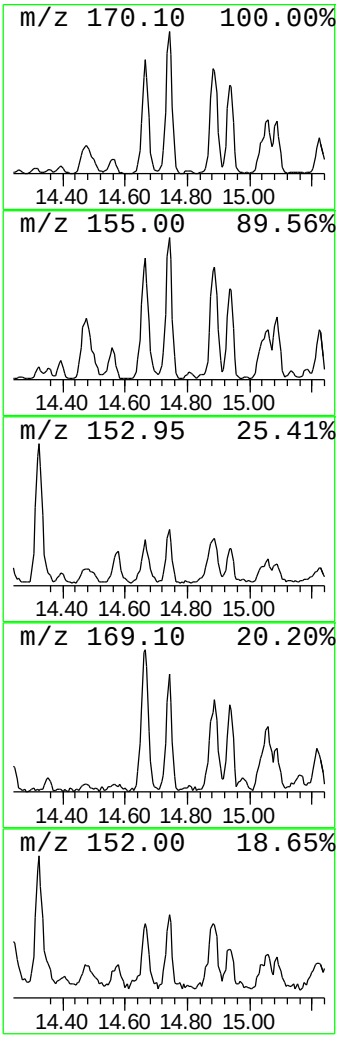
****

Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	8.90 ng/ul	446996	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

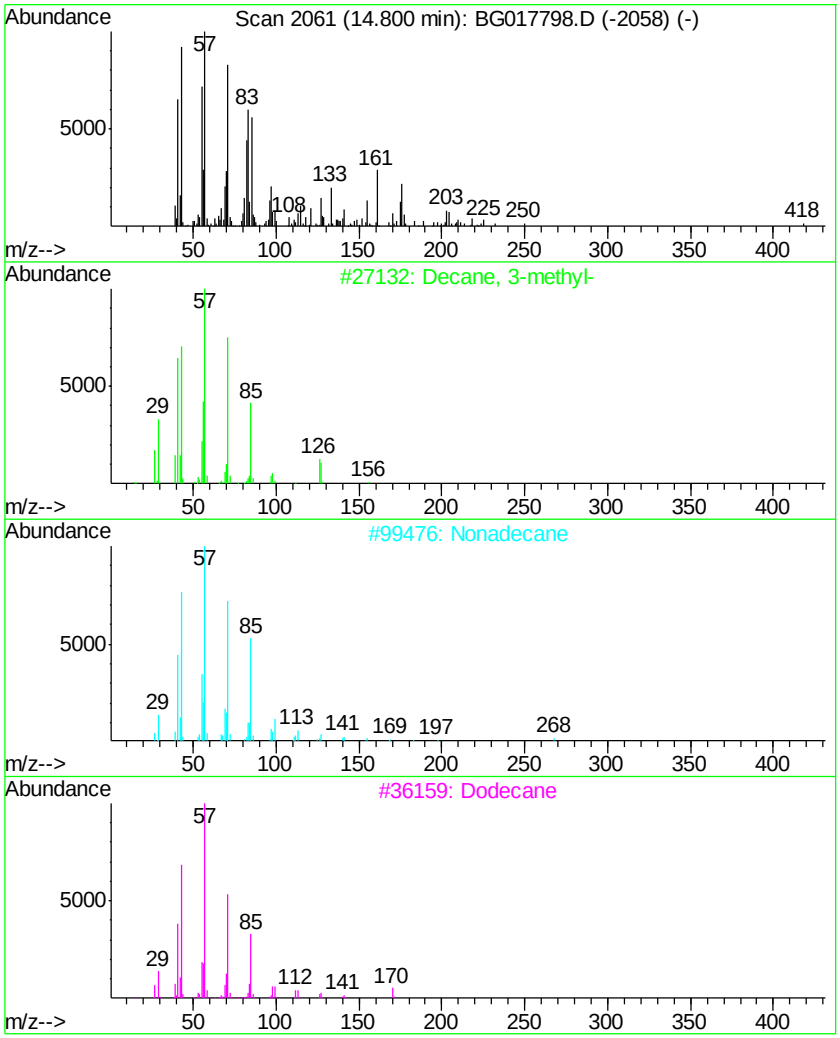
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

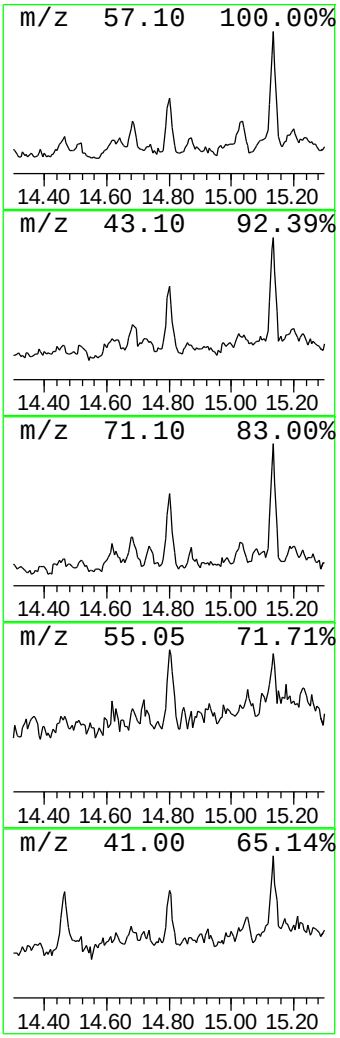
****

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	4.76 ng/ul	238952	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	38
2	Nonadecane	268	C19H40	000629-92-5	38
3	Dodecane	170	C12H26	000112-40-3	38
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	35
5	Nonane, 1-iodo-	254	C9H19I	004282-42-2	30





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

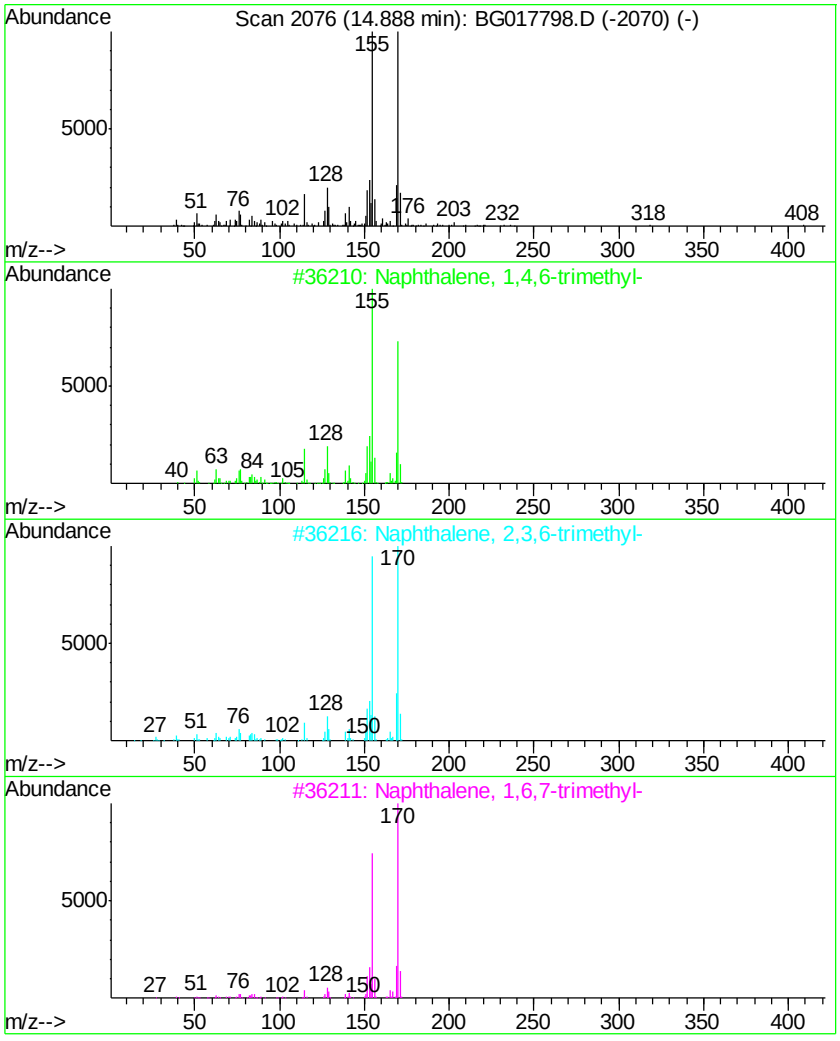
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

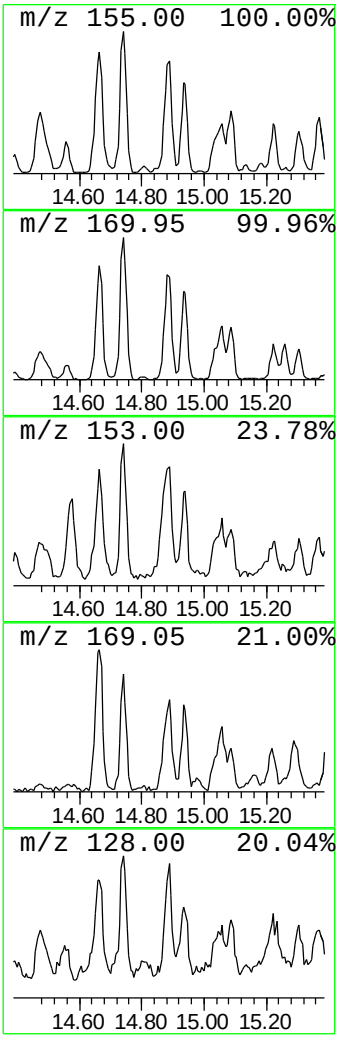
****

Peak Number 13 Naphthalene, 1,4,6-trimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	9.39 ng/ul	471610	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

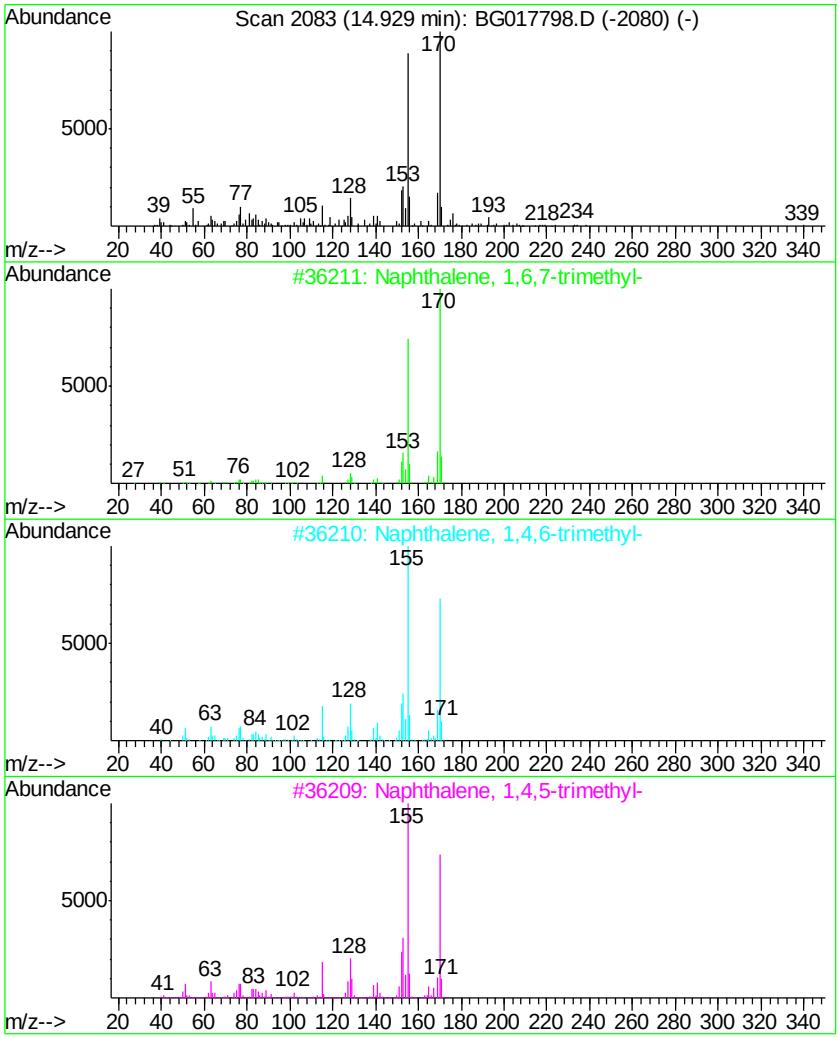
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

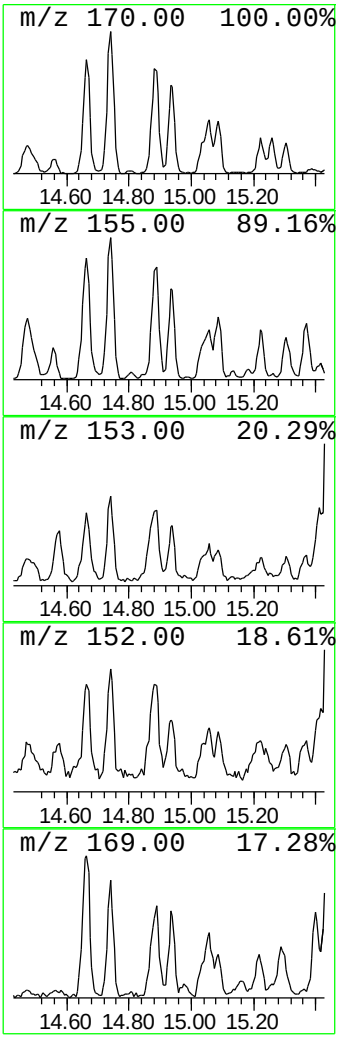
****

Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	6.04 ng/ul	303257	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

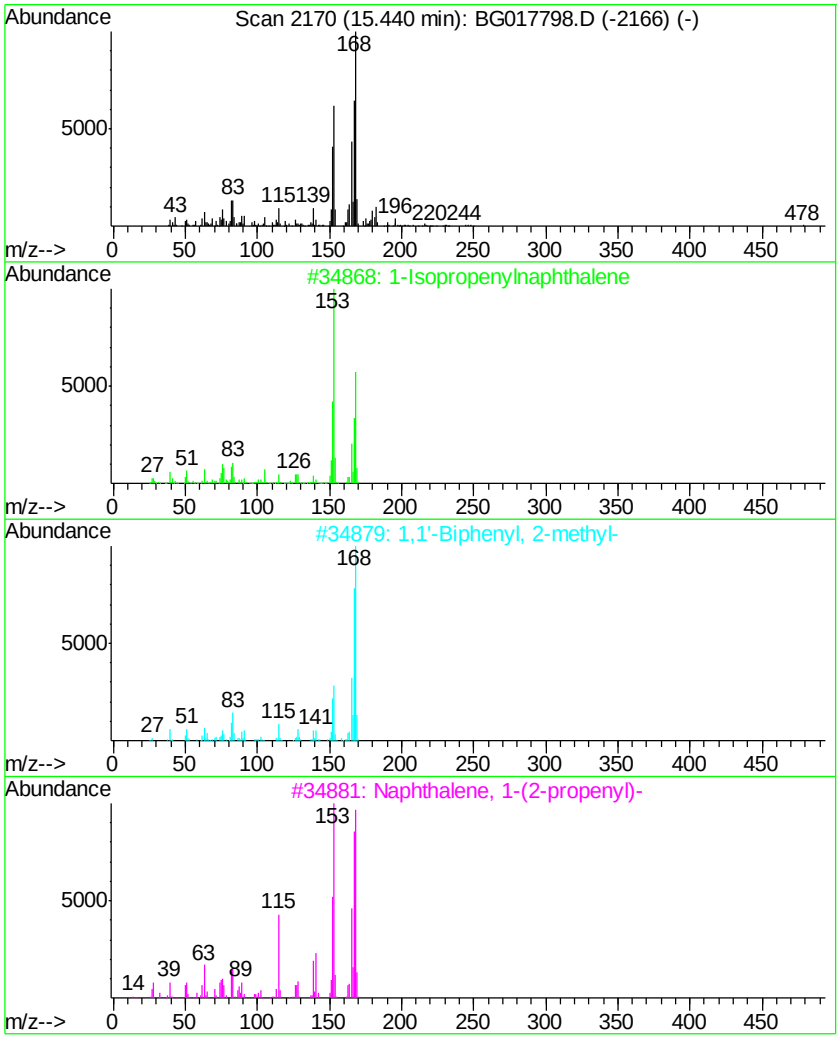
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

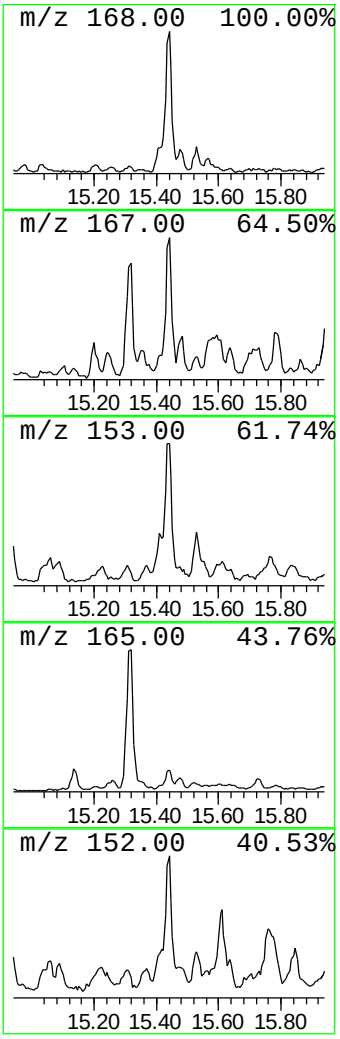
****

Peak Number 16 1-Isopropenylnaphthalene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	7.01 ng/ul	351982	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	70
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	70
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	62
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	62





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

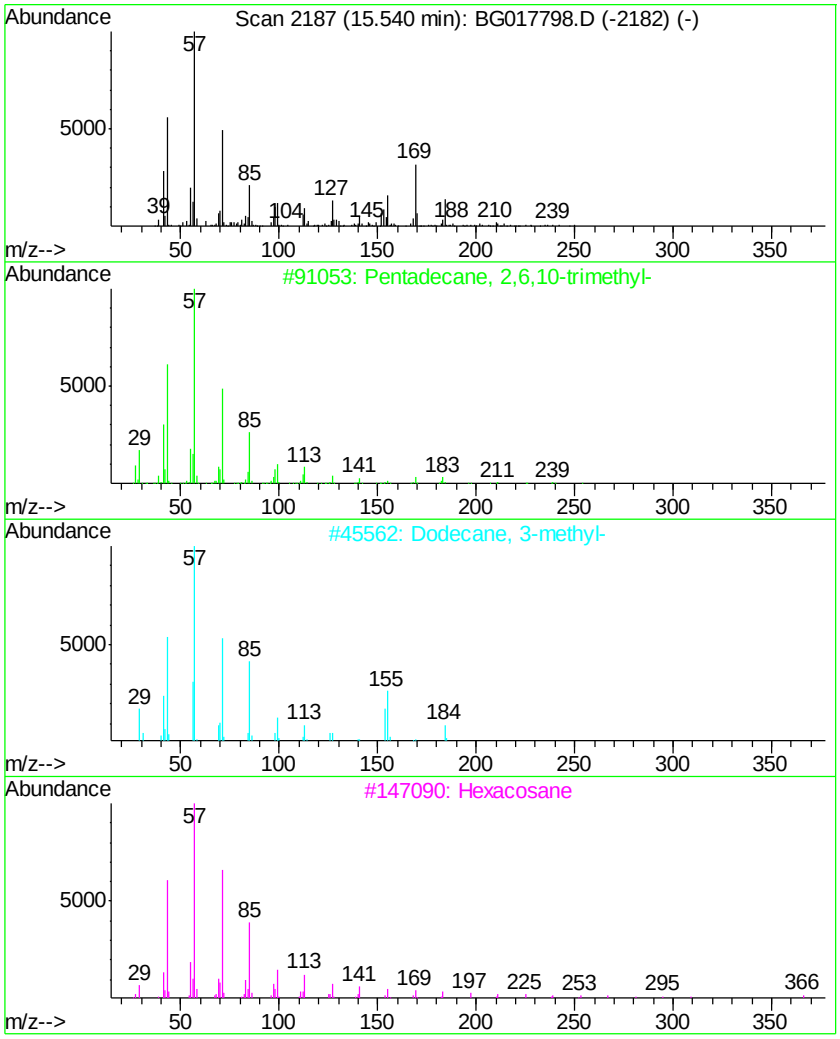
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

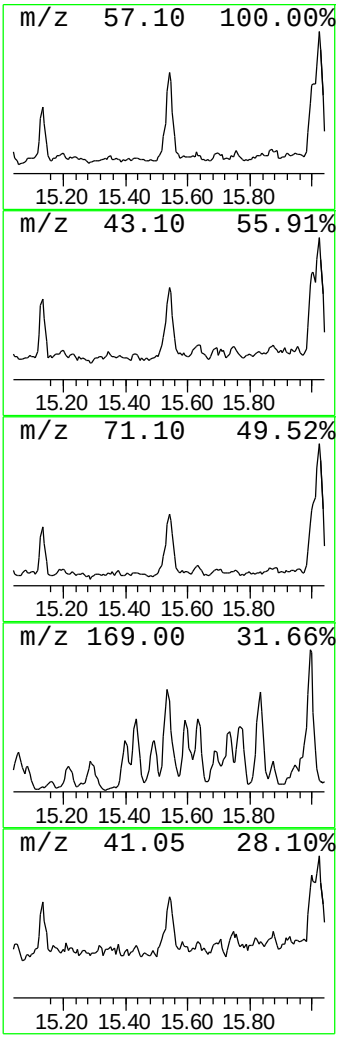
****

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	10.40 ng/ul	522437	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	52
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	49
3	Hexacosane	366	C26H54	000630-01-3	47
4	Dodecane	170	C12H26	000112-40-3	46
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	46





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

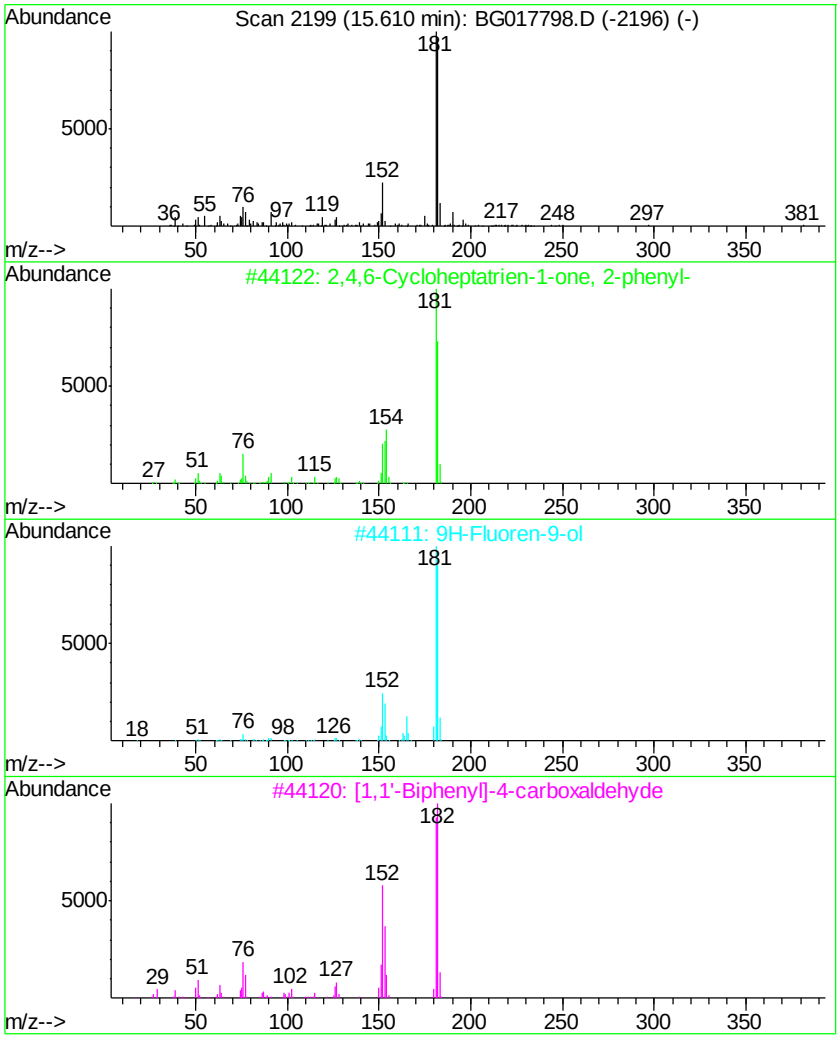
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

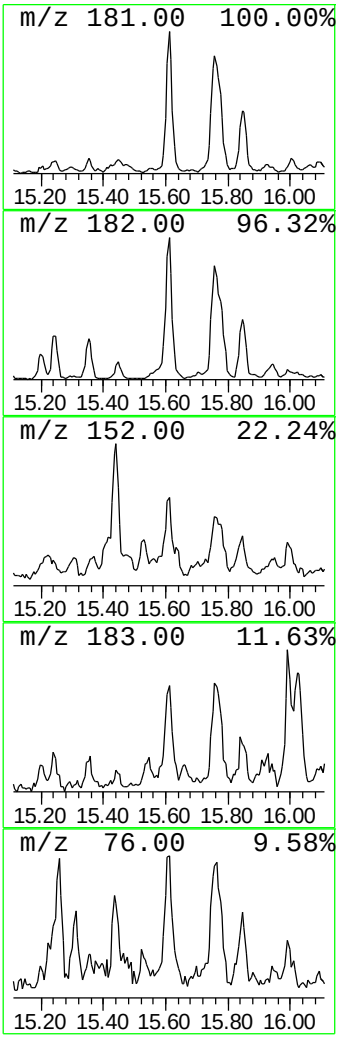
****

Peak Number 18 2,4,6-Cycloheptatrien-1-one... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	9.73 ng/ul	488978	Acenaphthene-d10	14.26

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	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	68
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

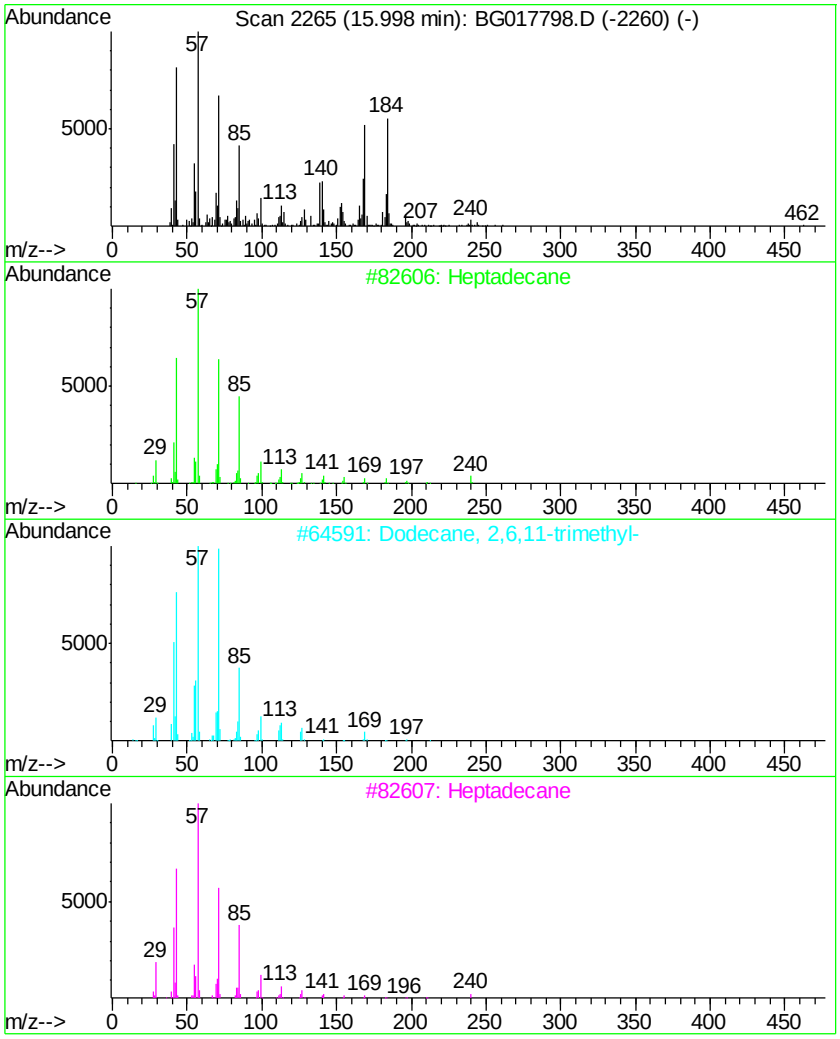
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

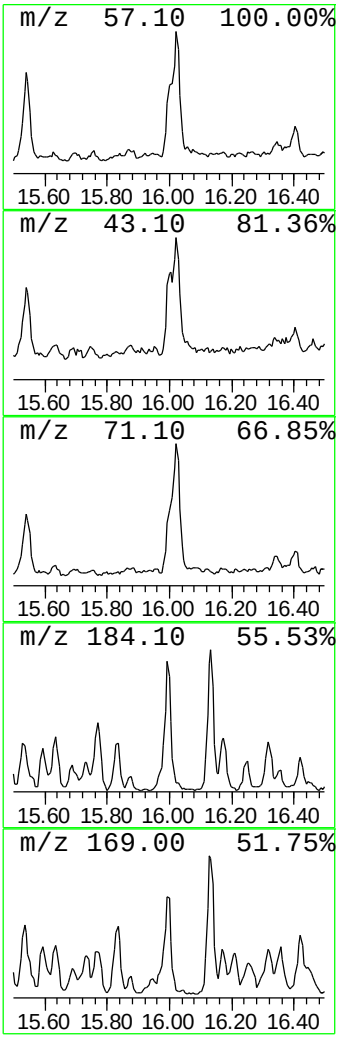
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	17.94 ng/ul	611923	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	78
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
3	Heptadecane	240	C17H36	000629-78-7	52
4	Dodecane	170	C12H26	000112-40-3	51
5	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	42





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

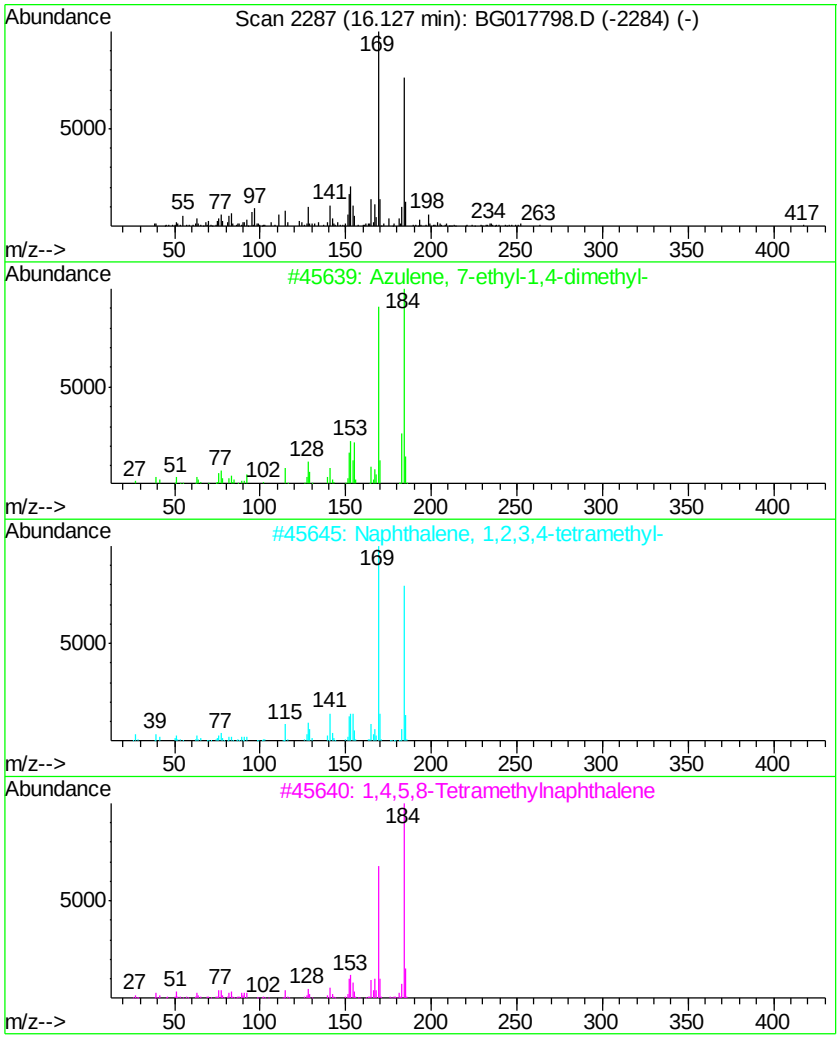
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

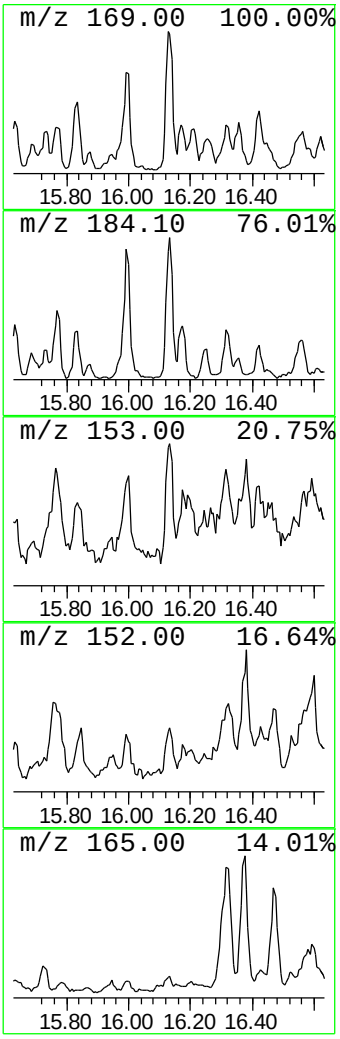
****

Peak Number 20 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	6.24 ng/ul	212794	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	93
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	93
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	90
4	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	87
5	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	86





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

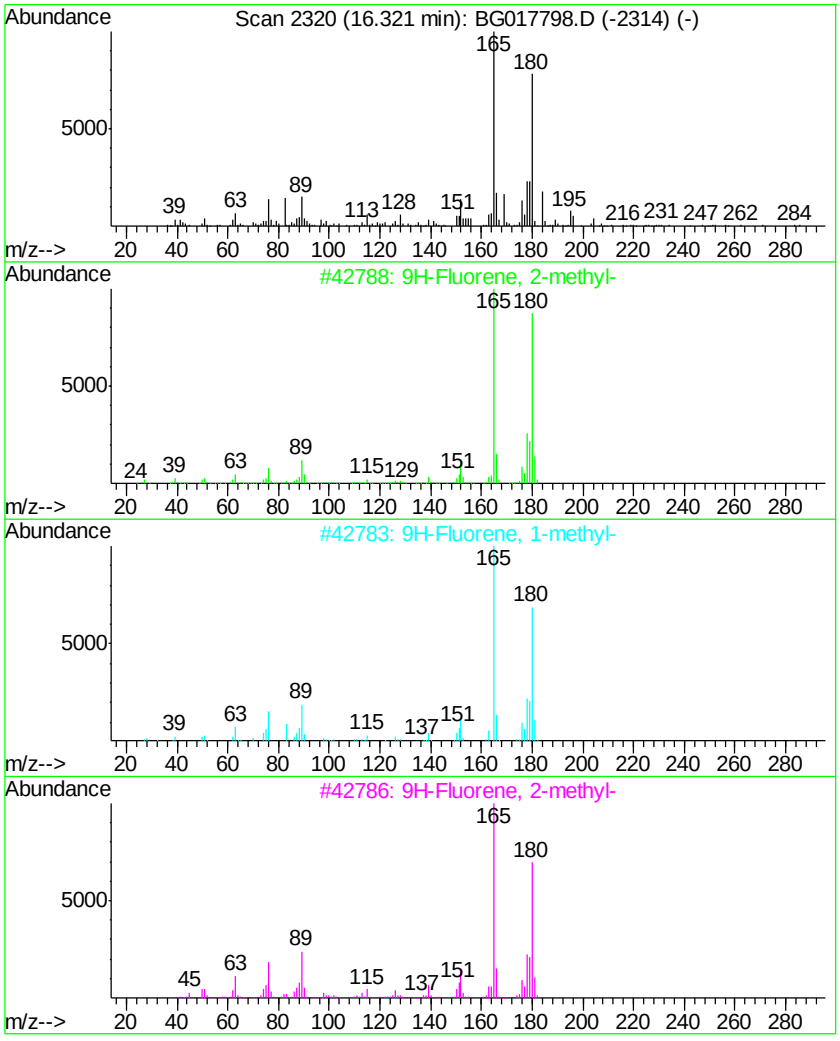
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

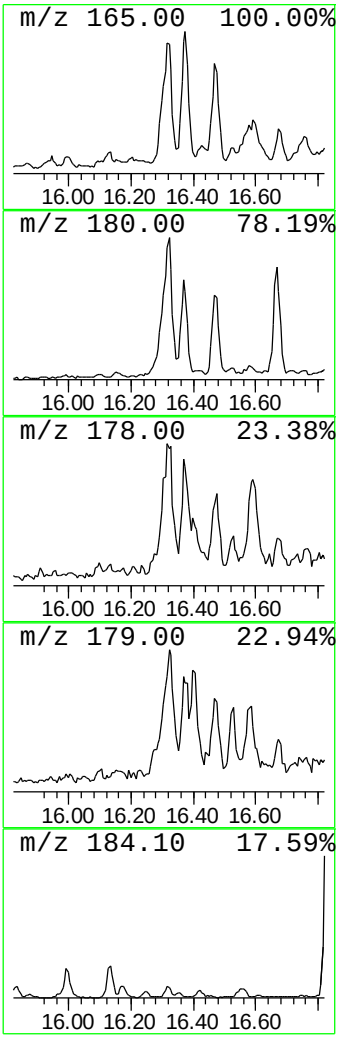
****

Peak Number 21 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	16.70 ng/ul	569662	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

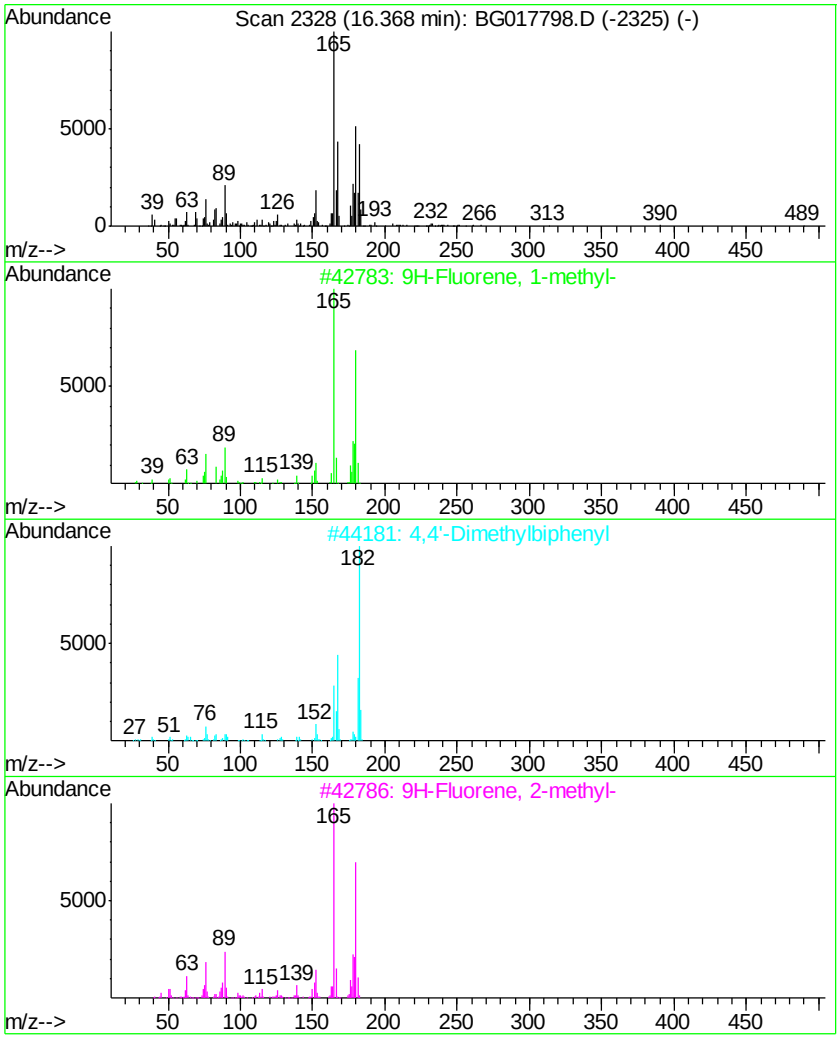
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

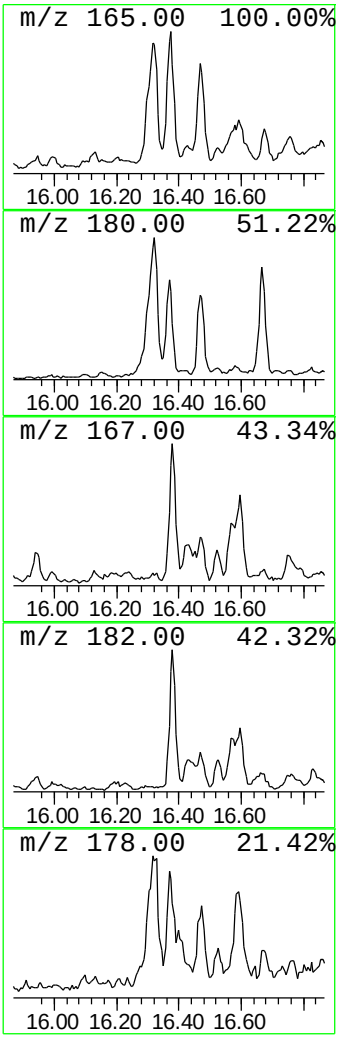
****

Peak Number 22 9H-Fluorene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	15.12 ng/ul	515754	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	70
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	60
4	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	58
5	Tricyclo[4.4.1.0(2,5)]undeca-1(1...	182	C14H14	055836-29-8	53





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

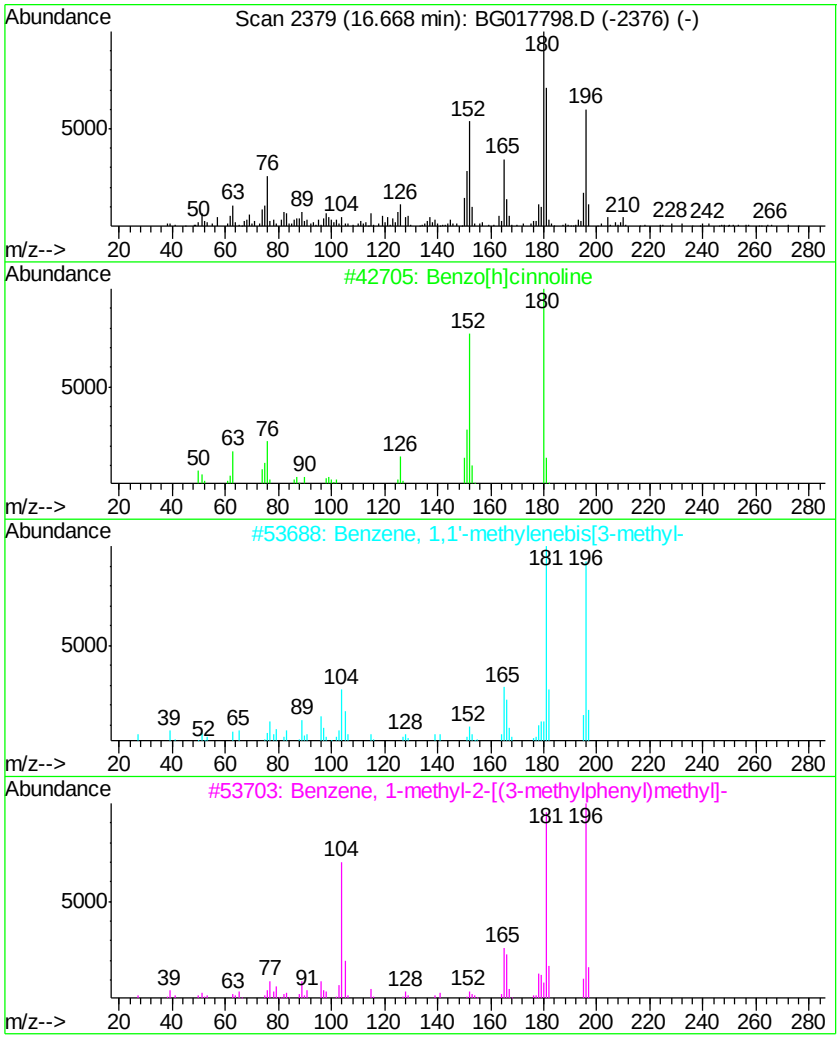
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

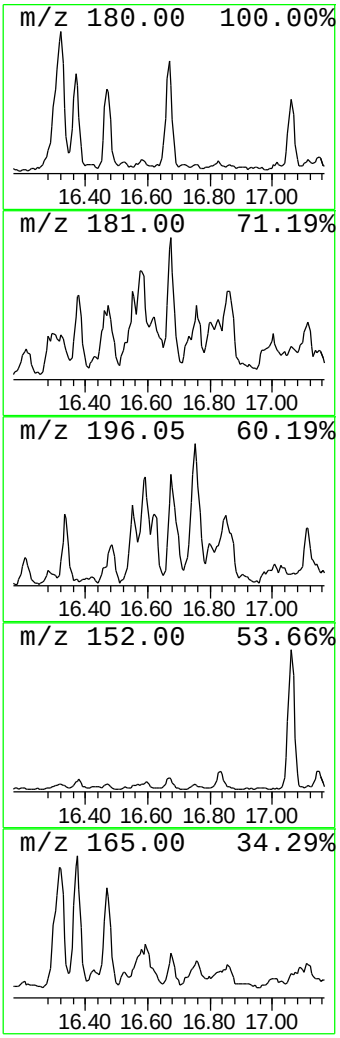
****

Peak Number 23 Benzo[h]cinnoline Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	12.54 ng/ul	427658	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70
2	Benzene, 1,1'-methylenebis[3-met...	196	C15H16	021895-14-7	55
3	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	55
4	Benzene, 1-methyl-2-[(4-methylph...	196	C15H16	021895-17-0	55
5	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	55





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

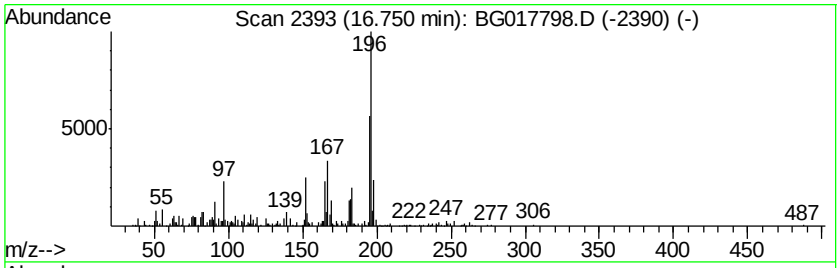
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

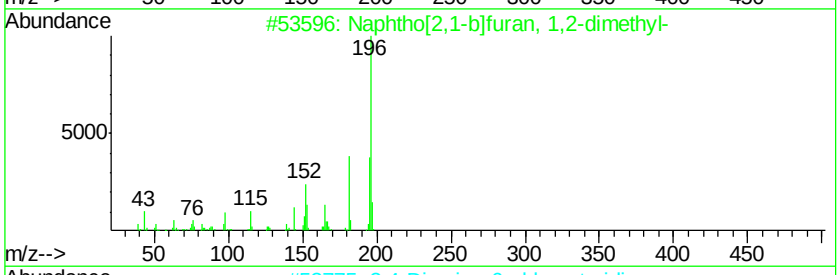
****

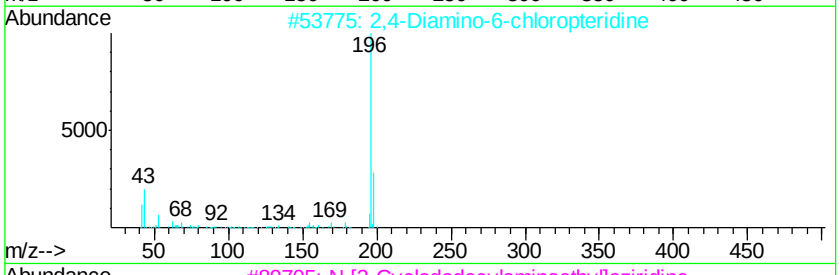
Peak Number 24 unknown-02 Concentration Rank 26

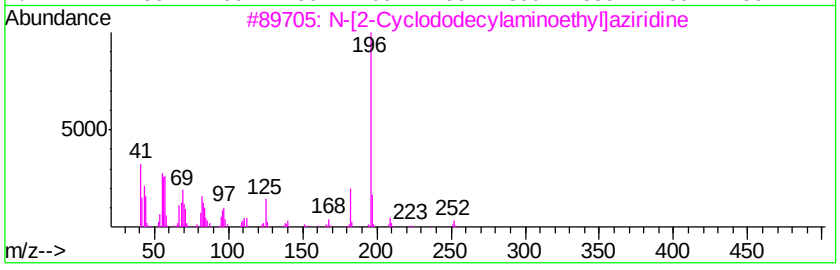
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	12.28 ng/ul	418866	Phenanthrene-d10	17.01

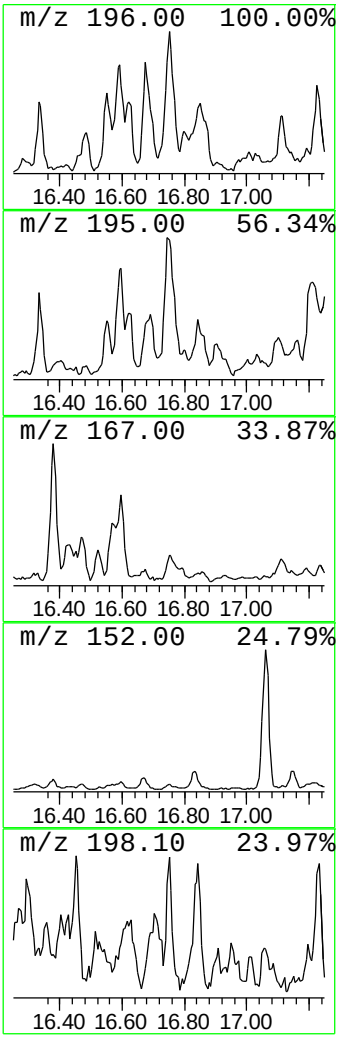
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	47
2	2,4-Diamino-6-chloropteridine	196	C6H5ClN6	017714-06-6	30
3	N-[2-Cyclododecylaminoethyl]azir...	252	C16H32N2	1000255-77-6	25
4	Pyrazine-2-carboxamide, N-(10H-d...	303	C18H13N3O2	298216-25-8	25
5	6-Thiotheophylline	196	C7H8N4OS	002398-70-1	22











Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

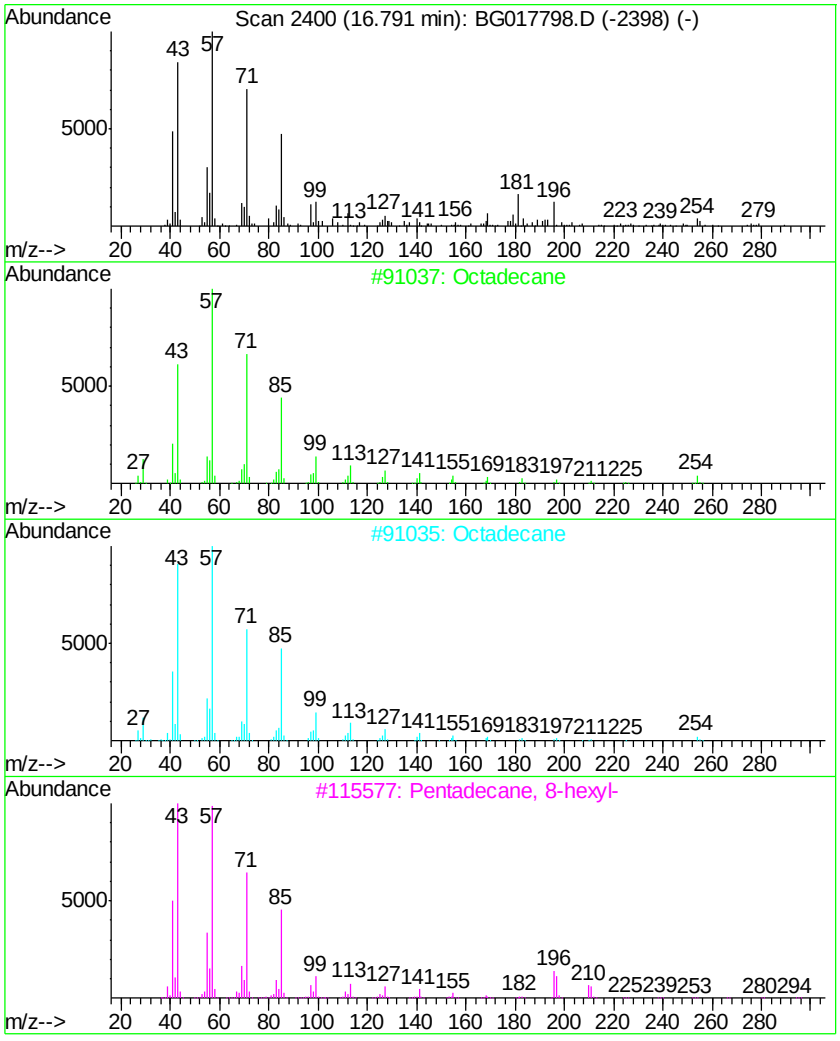
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

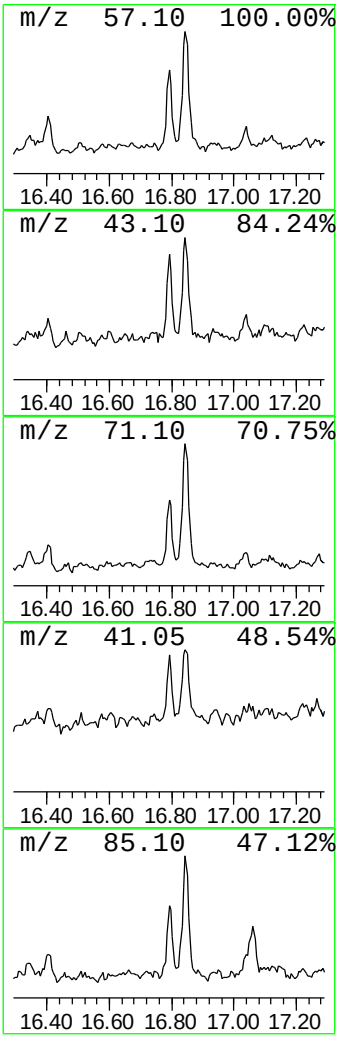
****

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	8.81 ng/ul	300695	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	Octadecane	254	C18H38	000593-45-3	81
3	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	80
4	Octadecane	254	C18H38	000593-45-3	72
5	Eicosane	282	C20H42	000112-95-8	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

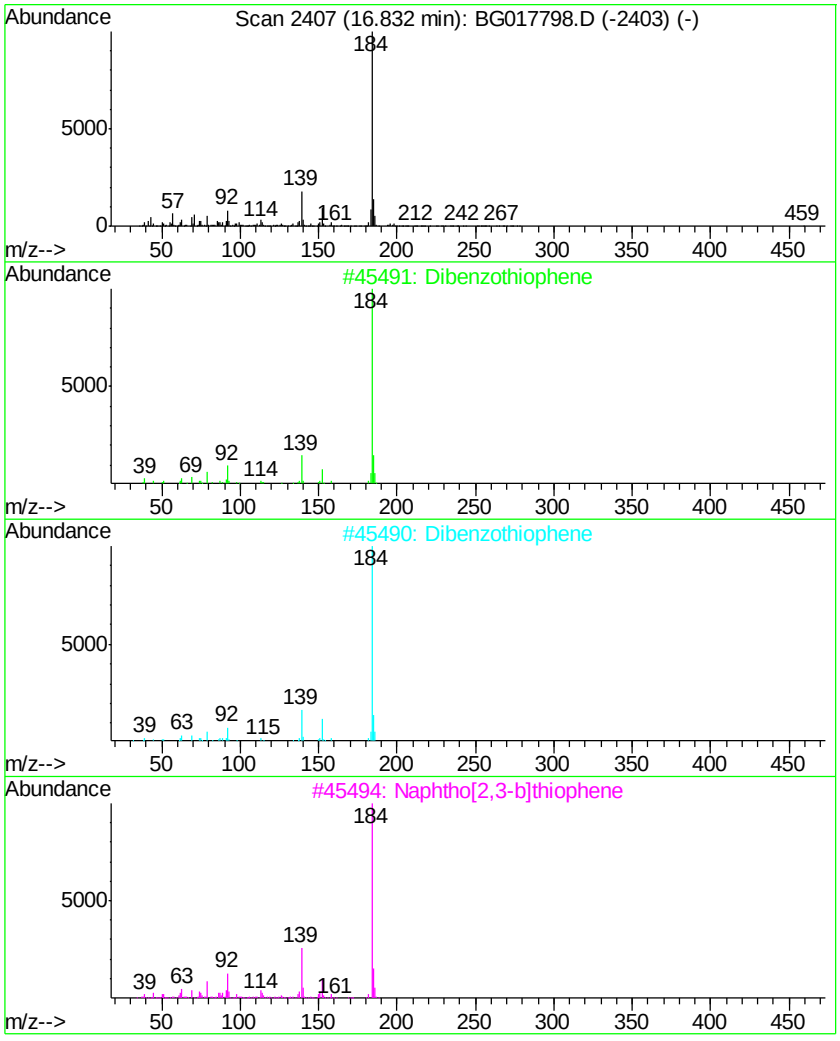
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

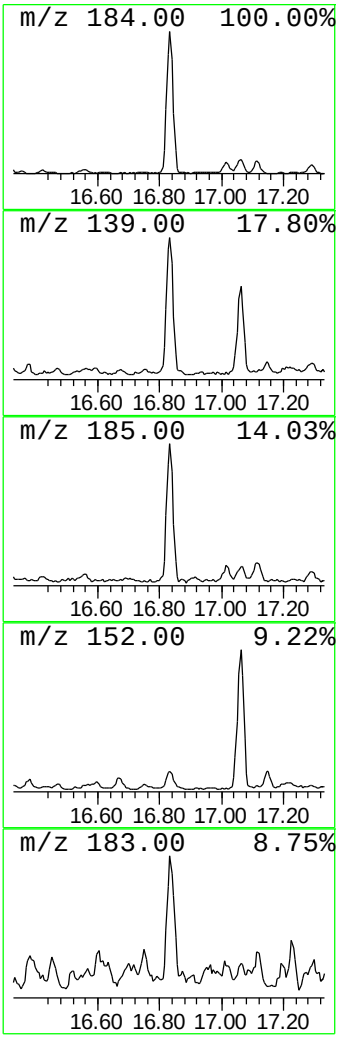
****

Peak Number 26 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	54.76 ng/ul	1868080	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

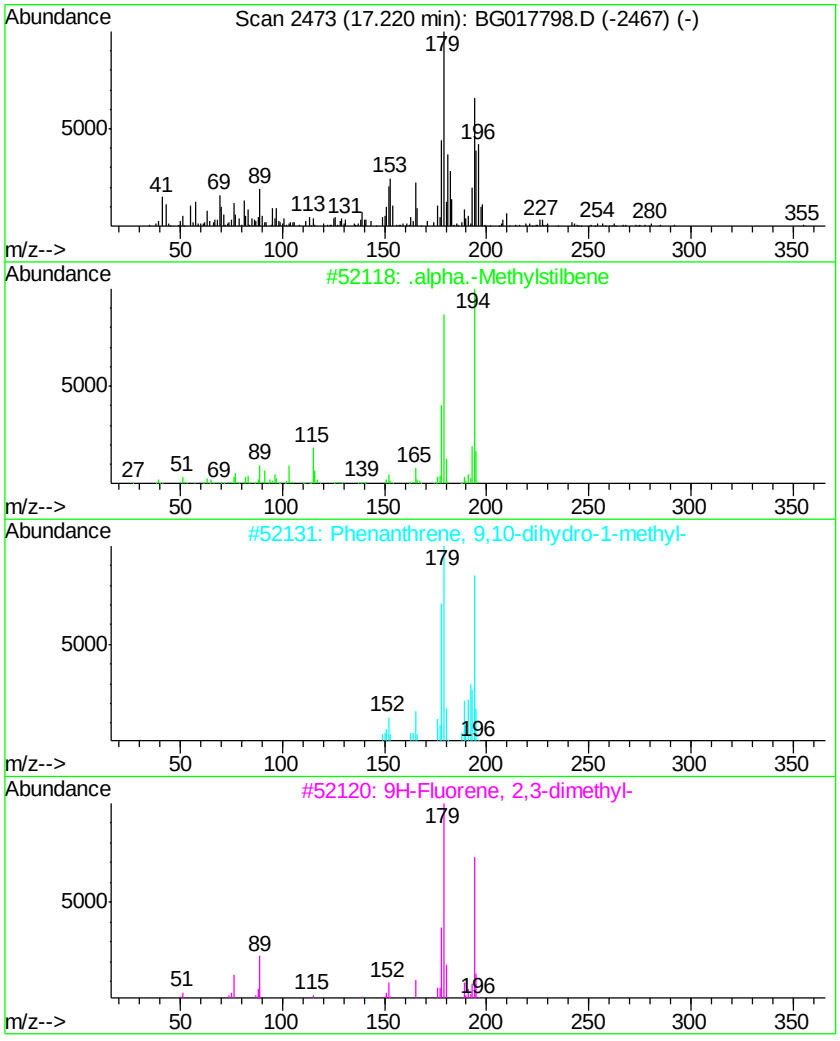
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

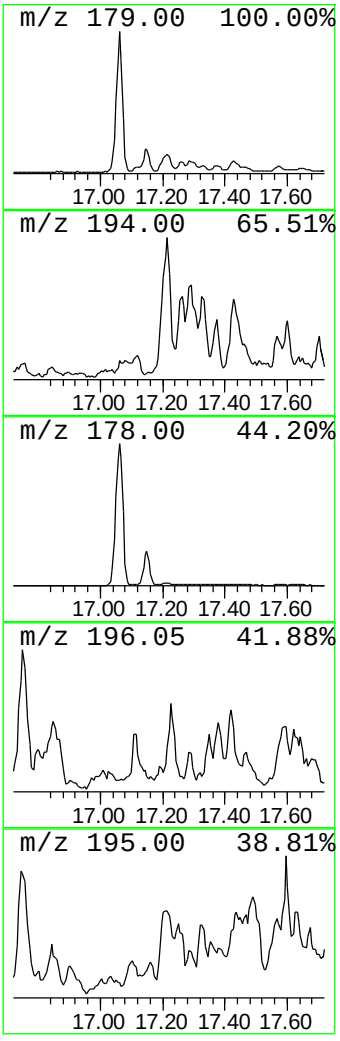
****

Peak Number 27 unknown-03 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	17.59 ng/ul	600106	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstilbene	194	C15H14	000779-51-1	43
2	Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	35
3	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	25
4	2,2'-Bis(bromomethyl)-1,1'-biphenyl	338	C14H12Br2	038274-14-5	22
5	Anthracene, 9,10-dihydro-9-(3-hy...	238	C17H18O	1000154-64-8	22





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

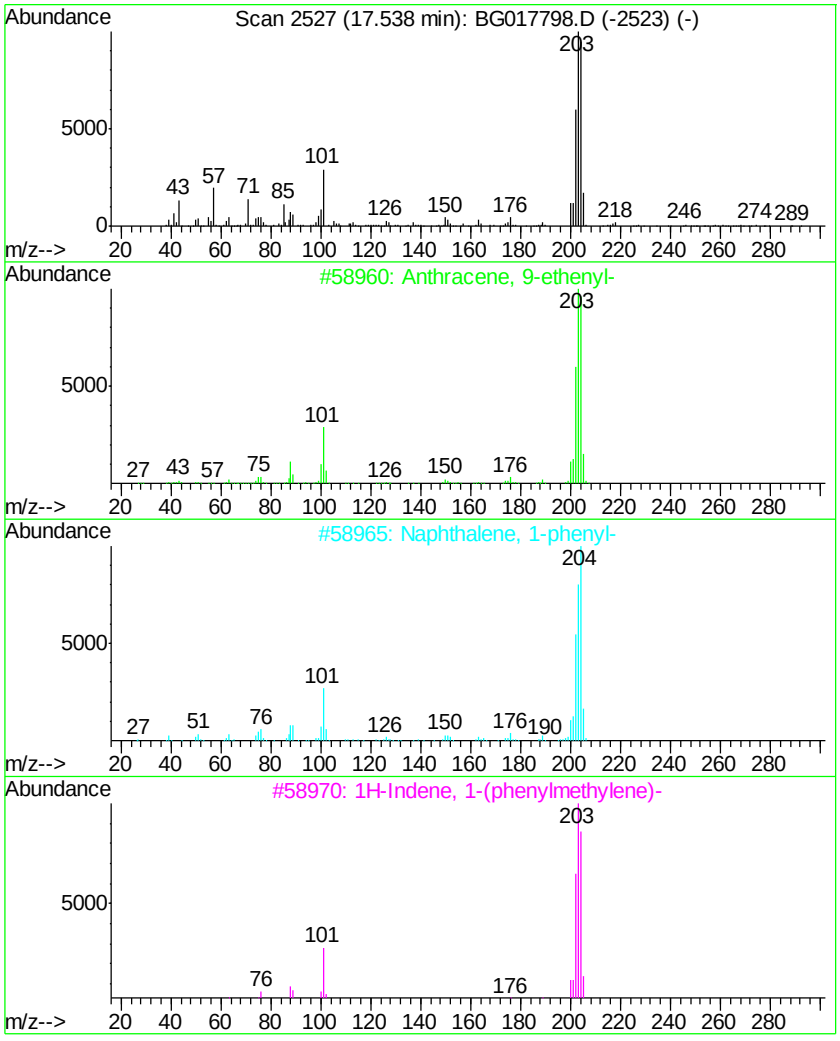
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

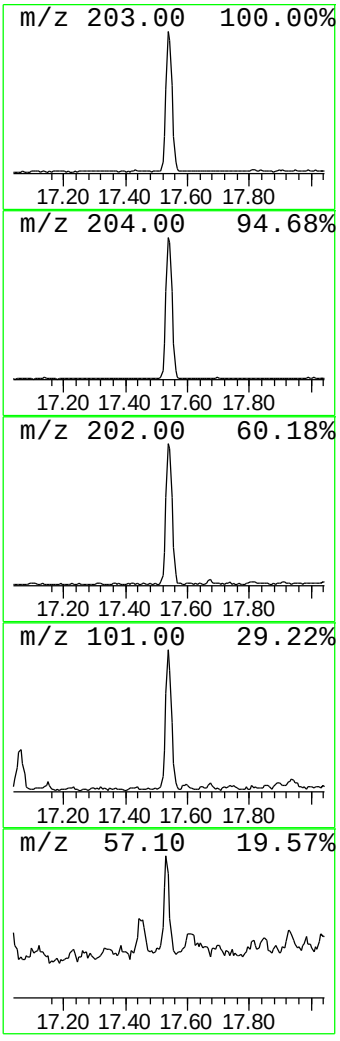
****

Peak Number 28 Anthracene, 9-ethenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	22.44 ng/ul	765562	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	89
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	76
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

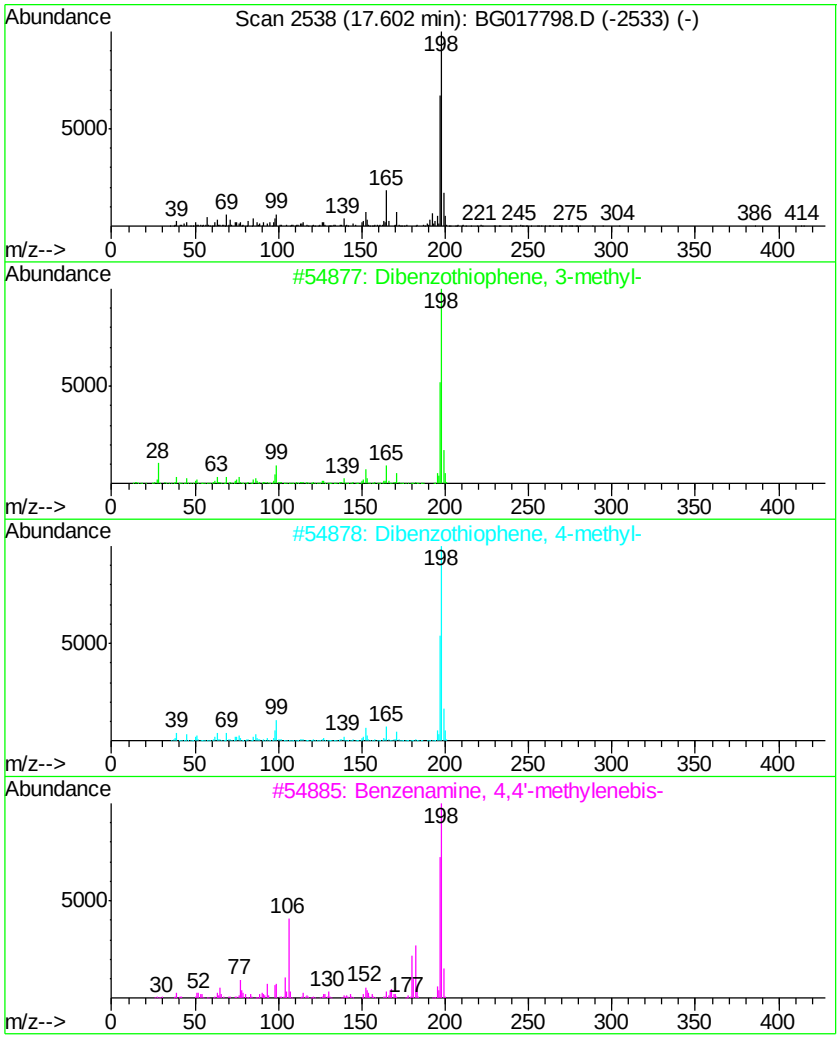
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

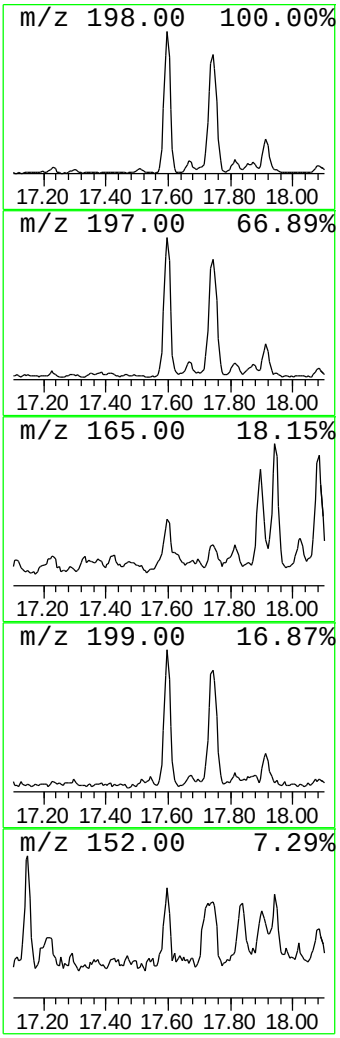
****

Peak Number 29 Dibenzothiophene, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	33.31 ng/ul	1136580	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
5	Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

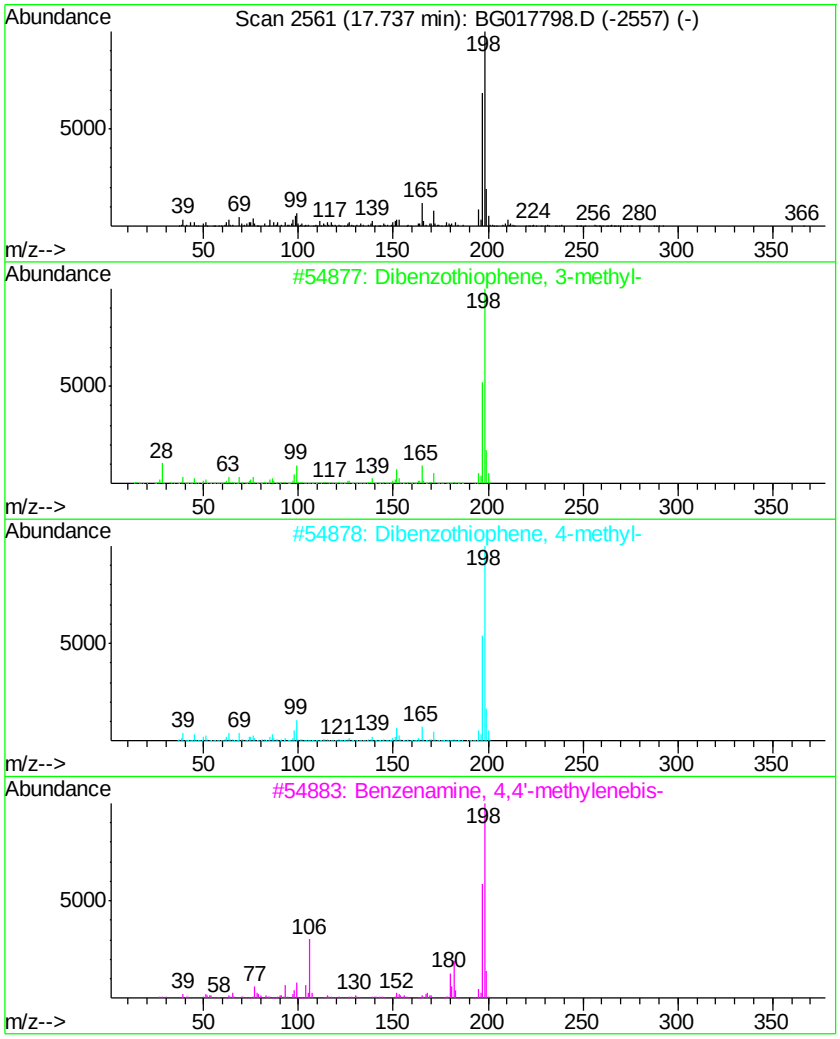
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

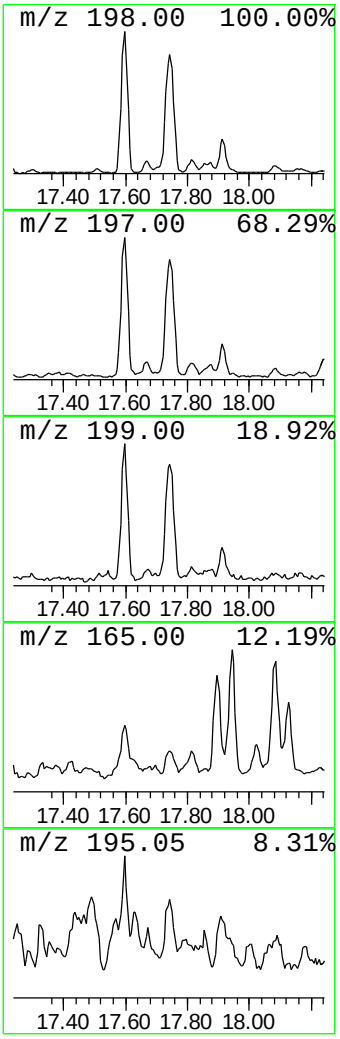
****

Peak Number 30 Dibenzothiophene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	25.34 ng/ul	864616	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

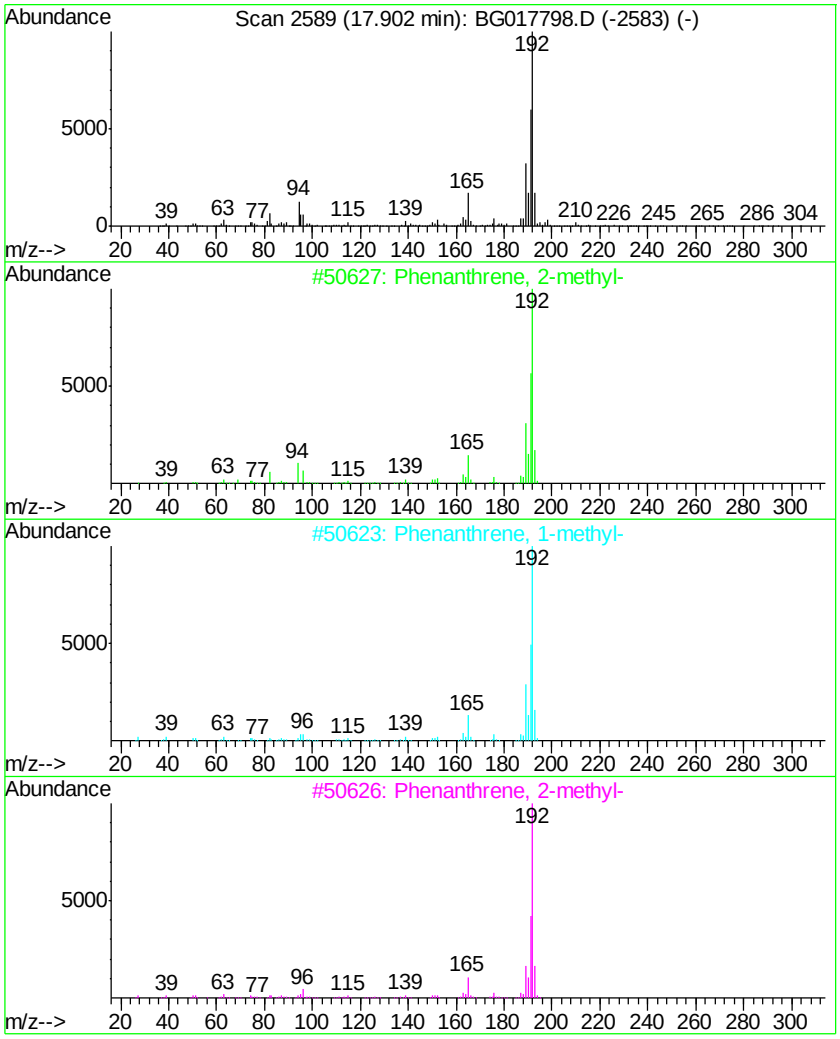
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

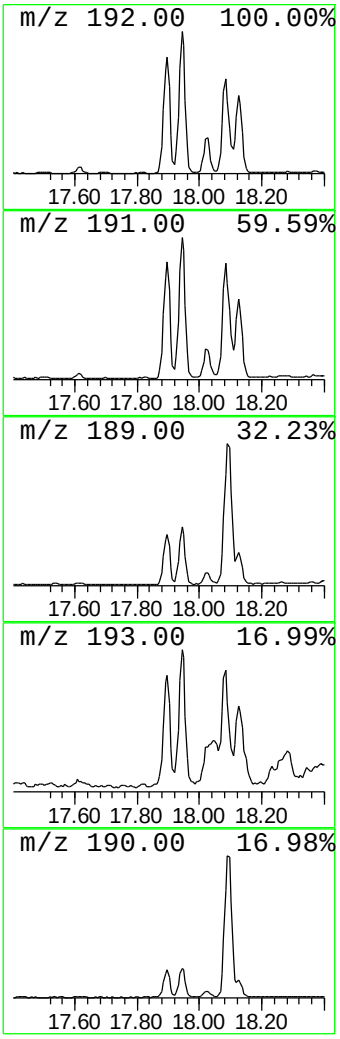
****

Peak Number 31 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	67.65 ng/ul	2308130	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

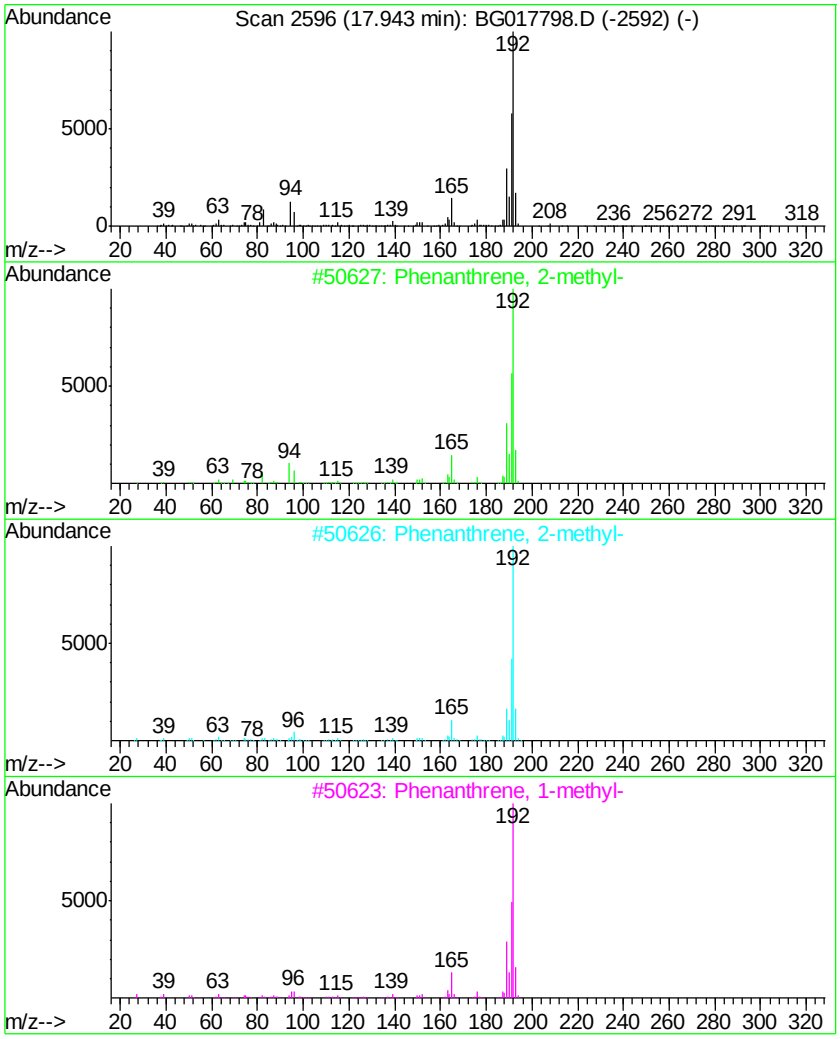
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

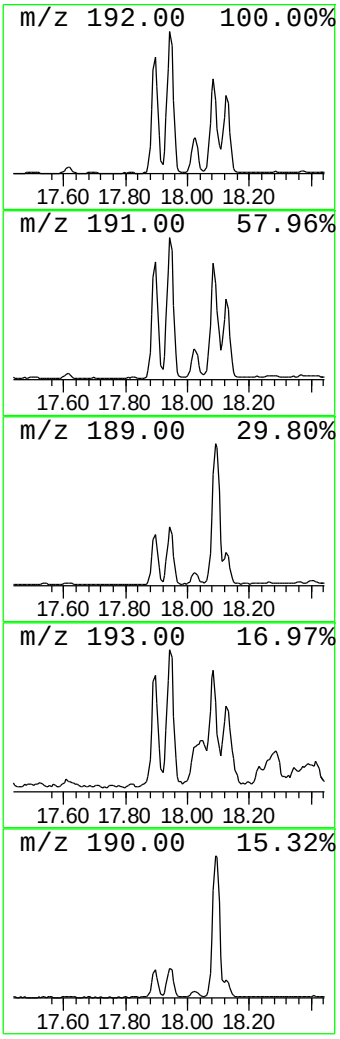
****

Peak Number 32 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	85.55 ng/ul	2918560	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

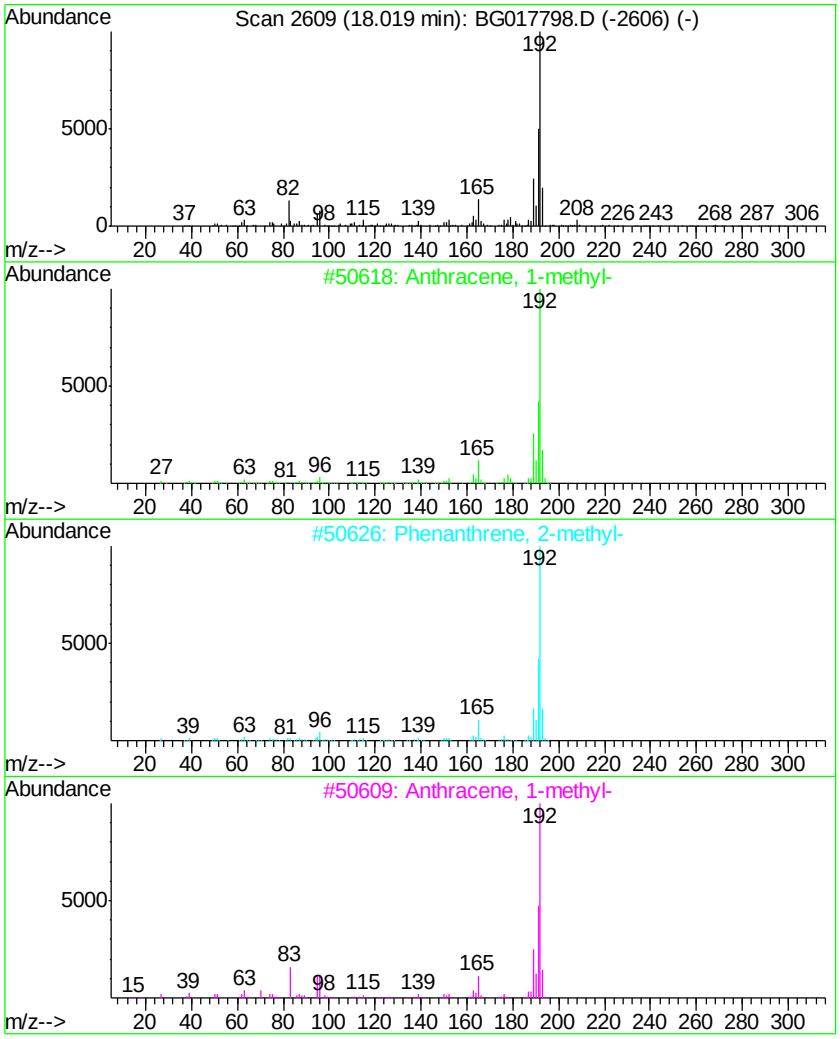
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

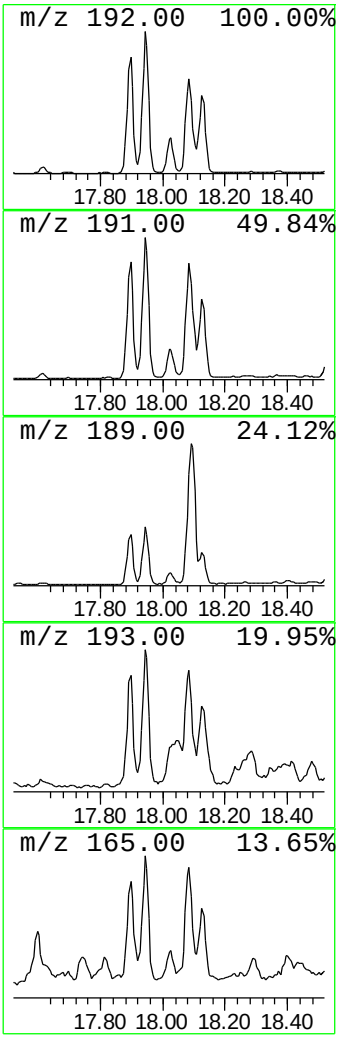
****

Peak Number 33 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	18.17 ng/ul	619810	Phenanthrene-d10	17.01

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	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

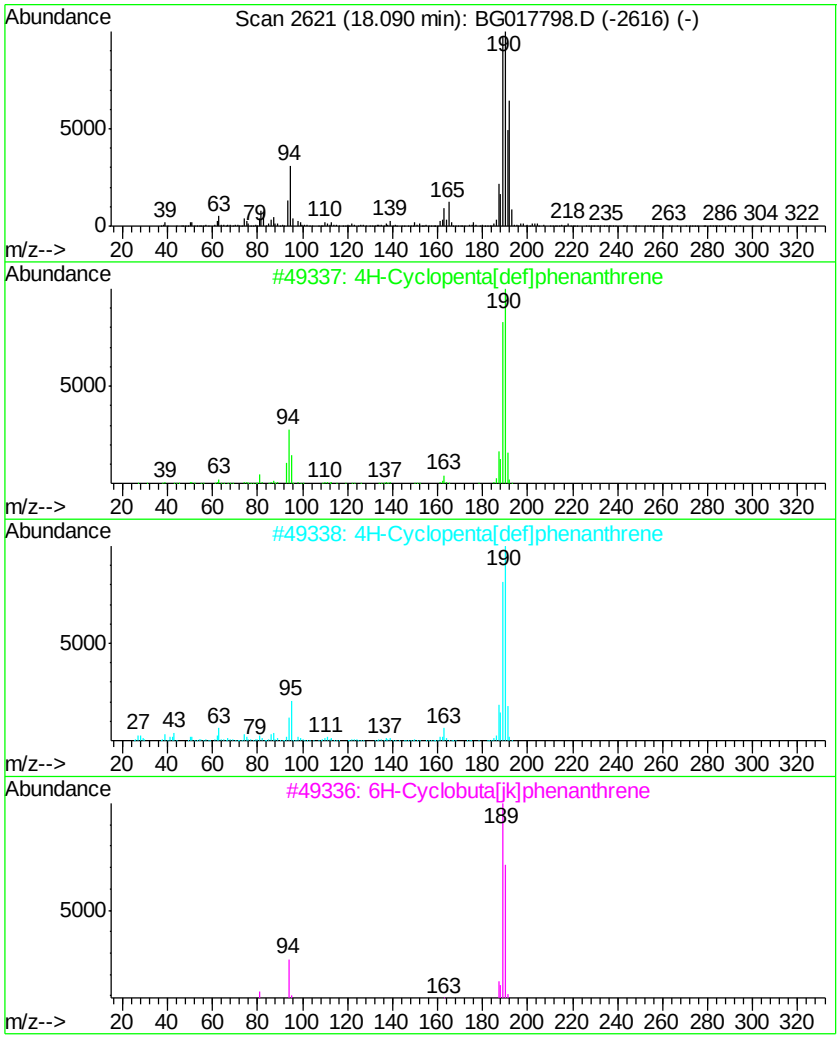
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

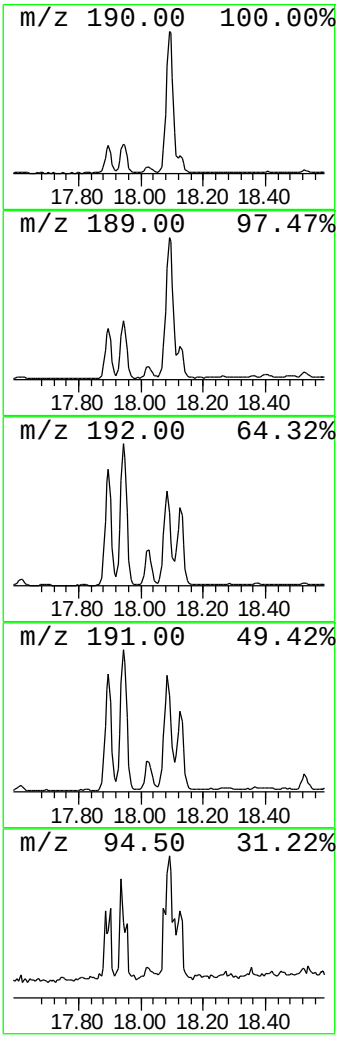
****

Peak Number 34 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	121.95 ng/ul	4160580	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION

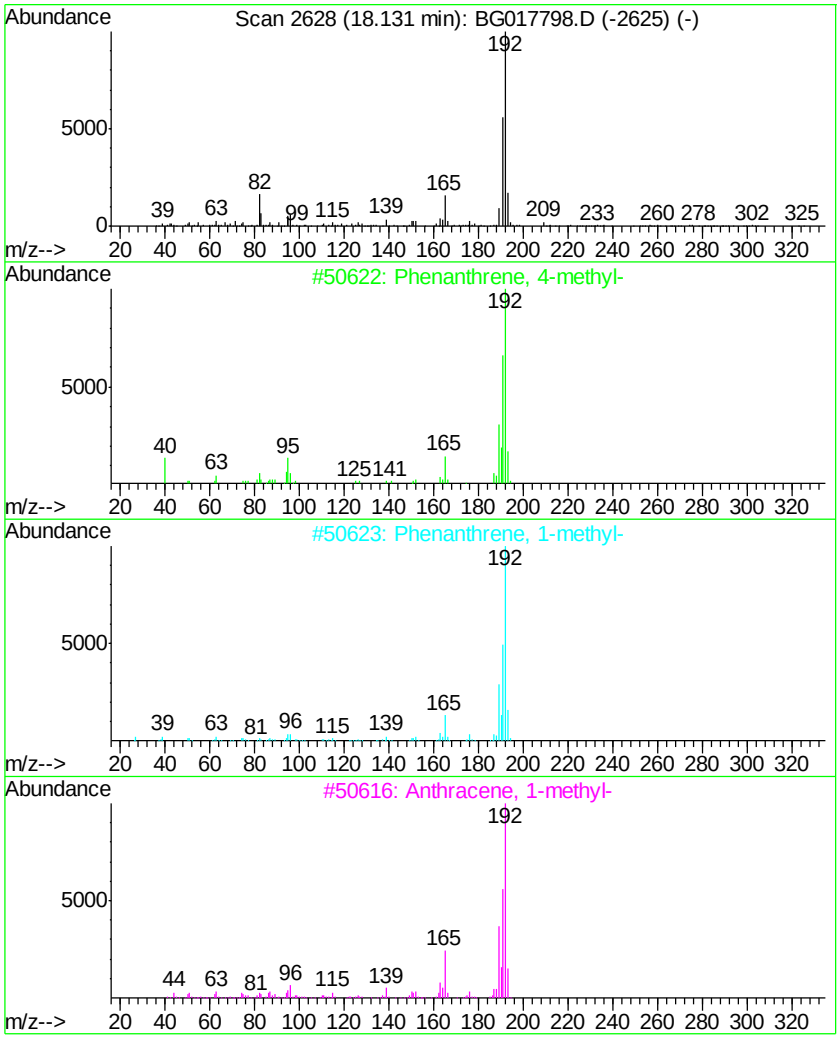
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

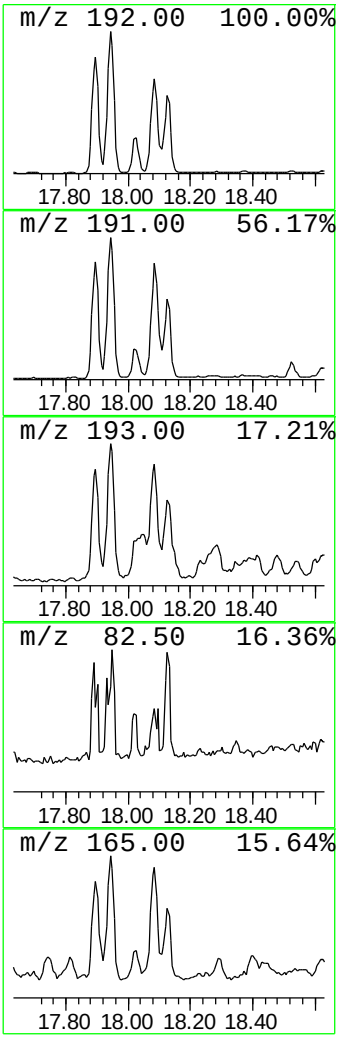
****

Peak Number 35 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	40.08 ng/ul	1367540	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017798.D
Acq On : 7 Jul 2015 18:15
Operator : TP/UM
Sample : G2860-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G93K5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.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...	2.88	165.2	ng/ul	2746820	1	7.60	332622	20.0
unknown-01	4.75	5.8	ng/ul	96471	1	7.60	332622	20.0
Benzene, 1,3,5-tr...	7.26	4.7	ng/ul	78612	1	7.60	332622	20.0
(DEL) Alkane: Str...	11.43	6.4	ng/ul	180766	2	10.39	563839	20.0
Naphthalene, 1,6-...	13.42	14.5	ng/ul	726398	3	14.26	1004770	20.0
Naphthalene, 2,3-...	13.58	16.7	ng/ul	836907	3	14.26	1004770	20.0
Naphthalene, 1,3-...	13.81	7.0	ng/ul	353934	3	14.26	1004770	20.0
Naphthalene, 2,3,...	14.74	8.9	ng/ul	446996	3	14.26	1004770	20.0
(DEL) Alkane: Str...	14.80	4.8	ng/ul	238952	3	14.26	1004770	20.0
Naphthalene, 1,4,...	14.89	9.4	ng/ul	471610	3	14.26	1004770	20.0
Naphthalene, 1,6,...	14.93	6.0	ng/ul	303257	3	14.26	1004770	20.0
1-Isopropenylnaph...	15.44	7.0	ng/ul	351982	3	14.26	1004770	20.0
(DEL) Alkane: Str...	15.54	10.4	ng/ul	522437	3	14.26	1004770	20.0
2,4,6-Cycloheptat...	15.61	9.7	ng/ul	488978	3	14.26	1004770	20.0
(DEL) Alkane: Str...	16.00	17.9	ng/ul	611923	4	17.01	682327	20.0
Azulene, 7-ethyl-...	16.13	6.2	ng/ul	212794	4	17.01	682327	20.0
9H-Fluorene, 2-me...	16.32	16.7	ng/ul	569662	4	17.01	682327	20.0
9H-Fluorene, 1-me...	16.37	15.1	ng/ul	515754	4	17.01	682327	20.0
Benzo[h]cinnoline	16.67	12.5	ng/ul	427658	4	17.01	682327	20.0
unknown-02	16.75	12.3	ng/ul	418866	4	17.01	682327	20.0
(DEL) Alkane: Str...	16.79	8.8	ng/ul	300695	4	17.01	682327	20.0
Dibenzothiophene	16.83	54.8	ng/ul	1868080	4	17.01	682327	20.0
unknown-03	17.22	17.6	ng/ul	600106	4	17.01	682327	20.0
Anthracene, 9-eth...	17.54	22.4	ng/ul	765562	4	17.01	682327	20.0
Dibenzothiophene,...	17.60	33.3	ng/ul	1136580	4	17.01	682327	20.0
Dibenzothiophene,...	17.74	25.3	ng/ul	864616	4	17.01	682327	20.0
Phenanthrene, 2-m...	17.90	67.7	ng/ul	2308130	4	17.01	682327	20.0
Phenanthrene, 1-m...	17.94	85.5	ng/ul	2918560	4	17.01	682327	20.0
Anthracene, 1-met...	18.02	18.2	ng/ul	619810	4	17.01	682327	20.0
4H-Cyclopenta[def...	18.09	122.0	ng/ul	4160580	4	17.01	682327	20.0
Phenanthrene, 4-m...	18.13	40.1	ng/ul	1367540	4	17.01	682327	20.0