LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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	4.682	307	314	324	rVB6	20572	47900	1.73%	0.100%
2	5.299	412	419	429	rVV	61810	108907	3.93%	0.226%
3	6.216	566	575	579	rBV6	18461	37528	1.36%	0.078%
4	6.357	591	599	605	rBV4	28743	47697	1.72%	0.099%
5	6.868	676	686	696	rVV4	14485	45584	1.65%	0.095%
6	7.385	763	774	790	rBV2	247021	591408	21.37%	1.230%
7	7.549	790	802	809	rBV	180344	322564	11.65%	0.671%
8	7.761	826	838	848	rBV	236974	463970	16.76%	0.965%
9	7.855	848	854	865	rVB8	36472	91693	3.31%	0.191%
10	8.237	911	919	932	rBV	307804	590750	21.34%	1.228%
11	8.760	1003	1008	1016	rBV10	17711	43820	1.58%	0.091%
12	8.842	1016	1022	1031	rVV3	47447	145800	5.27%	0.303%
13	8.936	1031	1038	1047	rVV	269807	535836	19.36%	1.114%
14	9.071	1056	1061	1067	rVB6	19864	39554	1.43%	0.082%
15	9.336	1098	1106	1112	rVV10	21353	48872	1.77%	0.102%
16	9.412	1112	1119	1127	rVV	275296	531750	19.21%	1.105%
17	10.141	1229	1243	1250	rBV	265412	515001	18.61%	1.071%
18	10.217	1250	1256	1266	rVV	25793	68610	2.48%	0.143%
19	10.681	1328	1335	1342	rBV	353118	673106	24.32%	1.399%
20	11.063	1392	1400	1406	rBV	464517	862505	31.16%	1.793%
21	11.204	1414	1424	1435	rVV	38235	107512	3.88%	0.224%
22	11.286	1435	1438	1451	rVB8	17691	40980	1.48%	0.085%
23	11.416	1452	1460	1465	rBV9	30096	66145	2.39%	0.138%
24	11.463	1465	1468	1476	rVB6	24896	39190	1.42%	0.081%
25	11.574	1483	1487	1495	rVB5	19133	39141	1.41%	0.081%
26	11.874	1531	1538	1543	rVV6	46180	85525	3.09%	0.178%
27	12.068	1567	1571	1576	rBV7	22998	45550	1.65%	0.095%
28	12.203	1589	1594	1603	rVB4	54504	115928	4.19%	0.241%
29	12.408	1625	1629	1641	rVB3	94418	181562	6.56%	0.377%
30	12.561	1650	1655	1660	rBV9	18475	40513	1.46%	0.084%
31	12.620	1661	1665	1673	rVB6	34578	81795	2.96%	0.170%
32	12.702	1673	1679	1682	rBV	112532	186404	6.73%	0.388%
33	12.837	1696	1702	1711	rBV9	43955	138194	4.99%	0.287%
34	12.920	1711	1716	1722	rVB2	100300	172664	6.24%	0.359%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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	13.043	1734	1737	1741	rBV5	24452	40643	1.47%	0.084%
36	13.119	1742	1750	1758	rVB5	39622	105889	3.83%	0.220%
37	13.337	1782	1787	1799	rVB4	108268	227651	8.23%	0.473%
38	13.454	1803	1807	1814	rVB10	33710	69714	2.52%	0.145%
39	13.636	1833	1838	1843	rVB2	110747	160531	5.80%	0.334%
40	13.895	1877	1882	1892	rBV2	38948	103075	3.72%	0.214%
41	14.030	1896	1905	1913	rBV2	80213	228562	8.26%	0.475%
42	14.177	1924	1930	1935	rBV5	124276	315871	11.41%	0.657%
43	14.248	1936	1942	1946	rVV	693238	1249674	45.15%	2.598%
44	14.294	1946	1950	1962	rVB	506934	829421	29.97%	1.724%
45	14.412	1966	1970	1973	rBV3	60575	93096	3.36%	0.194%
46	14.559	1988	1995	2003	rVB	716318	1266350	45.75%	2.633%
47	14.700	2015	2019	2027	rVB2	151555	208203	7.52%	0.433%
48	14.817	2034	2039	2041	rBV3	100739	153781	5.56%	0.320%
49	14.859	2041	2046	2056	rVB	809856	1370616	49.52%	2.849%
50	14.982	2063	2067	2074	rVB	178071	259034	9.36%	0.539%
51	15.070	2076	2082	2088	rBV3	149188	253076	9.14%	0.526%
52	15.235	2104	2110	2118	rVB7	105936	300988	10.88%	0.626%
53	15.317	2120	2124	2127	rBV5	63081	91456	3.30%	0.190%
54	15.393	2134	2137	2143	rBV8	29710	40326	1.46%	0.084%
55	15.464	2144	2149	2154	rVB7	68363	132584	4.79%	0.276%
56	15.511	2154	2157	2161	rBV4	55417	74830	2.70%	0.156%
57	15.611	2167	2174	2176	rBV4	173580	306738	11.08%	0.638%
58	15.646	2177	2180	2190	rVB2	224709	375369	13.56%	0.780%
59	15.769	2196	2201	2208	rBV	453079	647002	23.38%	1.345%
60	15.846	2209	2214	2219	rBV	930286	1463206	52.87%	3.042%
61	15.969	2230	2235	2243	rVB	287973	445323	16.09%	0.926%
62	16.045	2244	2248	2253	rVB7	88505	146897	5.31%	0.305%
63	16.280	2282	2288	2294	rBV2	169411	298585	10.79%	0.621%
64	16.433	2310	2314	2322	rBV10	82598	188047	6.79%	0.391%
65	16.504	2322	2326	2339	rBV3	298289	956064	34.54%	1.988%
66	16.674	2350	2355	2361	rBV7	94635	232521	8.40%	0.483%
67	16.874	2383	2389	2398	rBV2	278357	594326	21.47%	1.236%
68	16.950	2399	2402	2406	rVB4	63786	91011	3.29%	0.189%
69	17.121	2428	2431	2444	rVB7	89384	197659	7.14%	0.411%
70	17.250	2450	2453	2457	rBV5	108586	174060	6.29%	0.362%
71	17.297	2457	2461	2465	rVV	283494	338116	12.22%	0.703%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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	17.432	2481	2484	2491	rVB3	111902	184980	6.68%	0.385%
73	17.602	2505	2513	2517	rBV3	913850	1796769	64.92%	3.735%
74	17.644	2517	2520	2524	rVV	332588	443380	16.02%	0.922%
75	17.702	2524	2530	2539	rVB2	959644	1551318	56.05%	3.225%
76	18.031	2582	2586	2596	rVB	431815	621646	22.46%	1.292%
77	18.437	2652	2655	2659	rBV2	272145	400521	14.47%	0.833%
78	18.519	2666	2669	2674	rVB2	137706	183287	6.62%	0.381%
79	18.654	2687	2692	2694	rBV4	129410	230774	8.34%	0.480%
80	18.719	2699	2703	2709	rVB	487836	605867	21.89%	1.260%
81	18.960	2741	2744	2750	rBV5	85610	148321	5.36%	0.308%
82	19.342	2806	2809	2817	rBV2	572784	770877	27.85%	1.603%
83	19.641	2854	2860	2865	rVB	617216	953151	34.44%	1.982%
84	19.911	2899	2906	2911	rVB	703193	992734	35.87%	2.064%
85	19.976	2911	2917	2920	rBV2	1241159	2044565	73.87%	4.251%
86	20.141	2942	2945	2948	rBV	125328	167332	6.05%	0.348%
87	20.188	2950	2953	2960	rVB2	191159	260560	9.41%	0.542%
88	20.440	2990	2996	3001	rBV	807584	1076201	38.88%	2.237%
89	20.940	3074	3081	3084	rBV2	554647	1085641	39.23%	2.257%
90	21.463	3165	3170	3181	rVB2	554163	1154637	41.72%	2.400%
91	21.897	3235	3244	3249	rBV2	1143834	2767700	100.00%	5.754%
92	21.944	3249	3252	3258	rVB	498470	780467	28.20%	1.623%
93	22.009	3259	3263	3272	rBV6	186994	392257	14.17%	0.815%
94	22.873	3406	3410	3420	rVB	405179	767750	27.74%	1.596%
95	23.349	3485	3491	3503	rVB7	416409	1111713	40.17%	2.311%
96	24.224	3632	3640	3648	rBV2	615437	2010650	72.65%	4.180%
97	25.000	3766	3772	3778	rBV2	291451	715300	25.84%	1.487%
98	25.088	3780	3787	3794	rBV2	554436	1423005	51.41%	2.958%
99	25.323	3819	3827	3836	rVB2	520620	1404627	50.75%	2.920%
100	25.904	3920	3926	3939	rVB5	293347	871169	31.48%	1.811%

Sum of corrected areas: 48101452

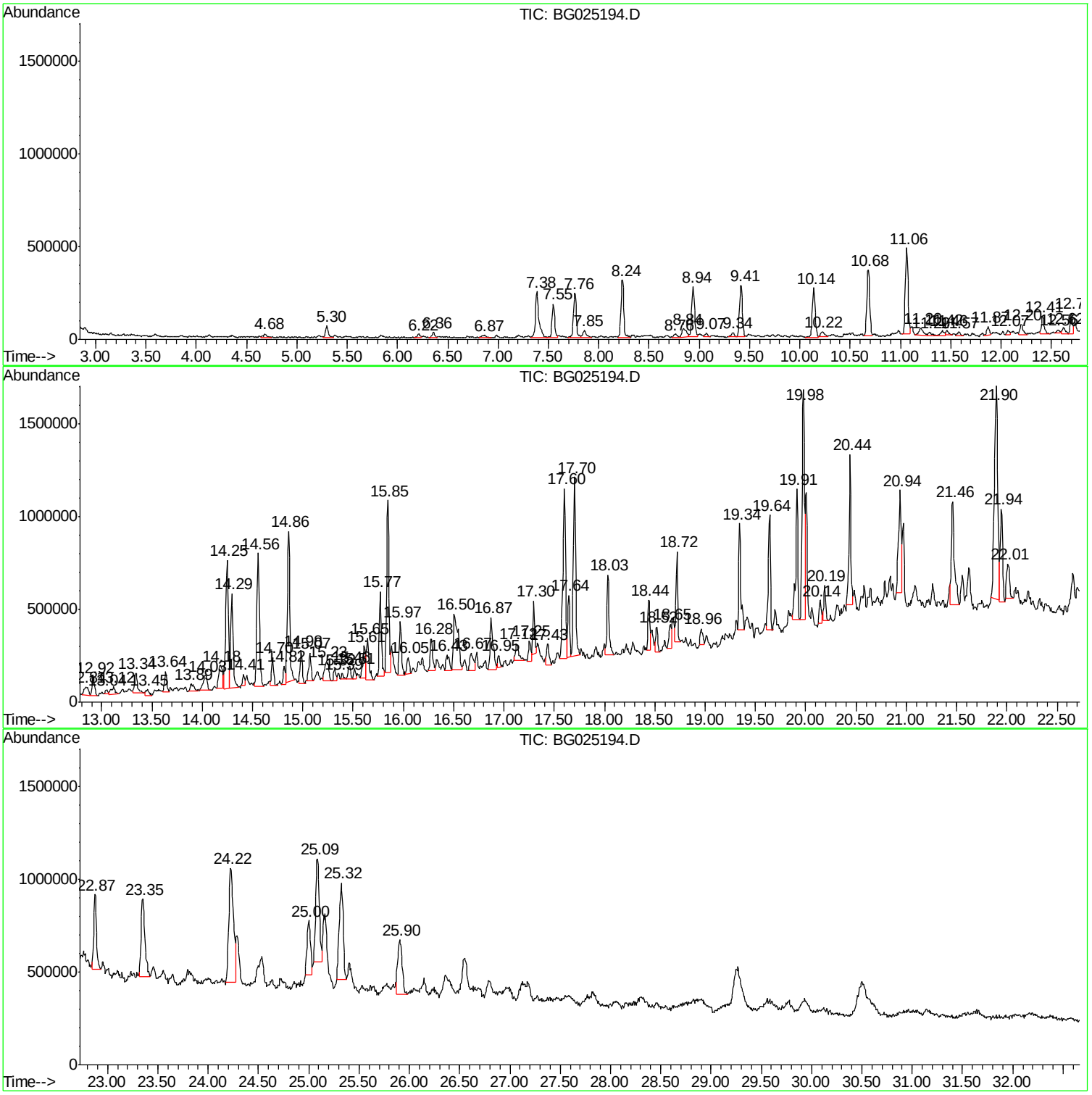
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

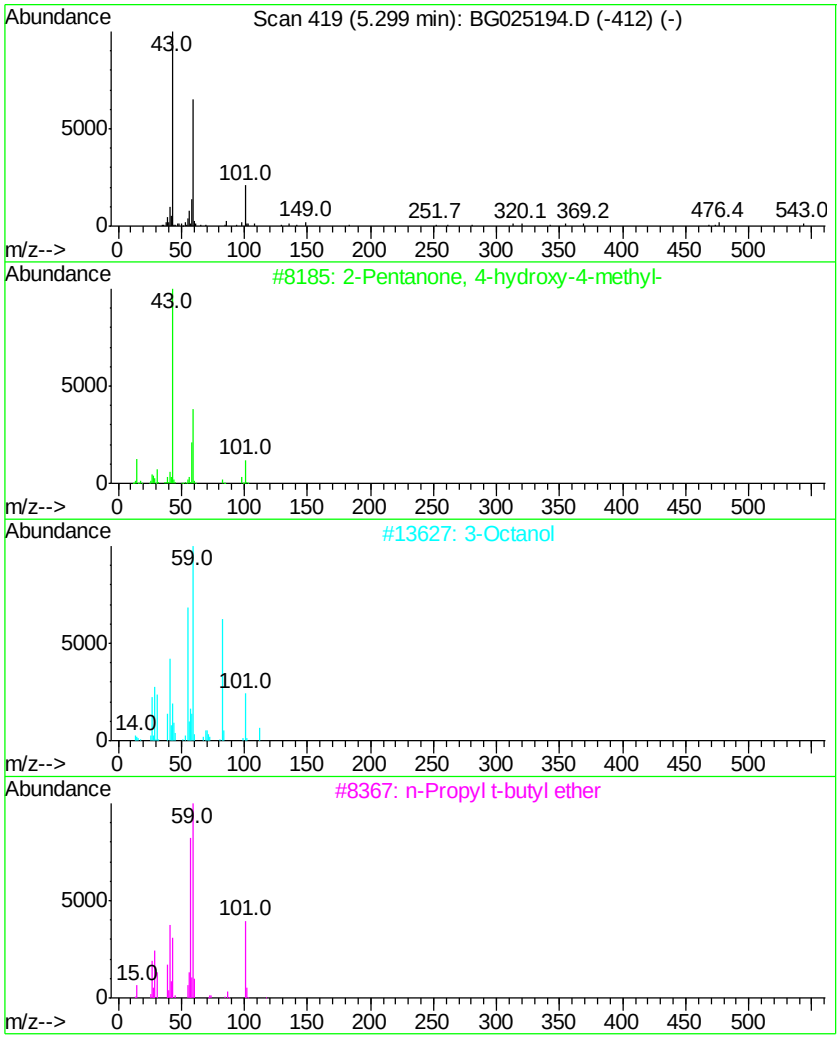
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

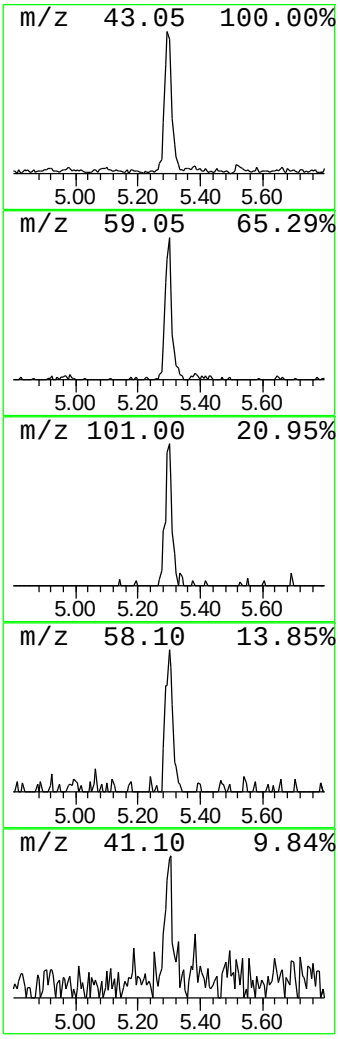
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.30	3.69 ng/ul	108907	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	3-Octanol	130	C8H18O	000589-98-0	45
3	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	38
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	32
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

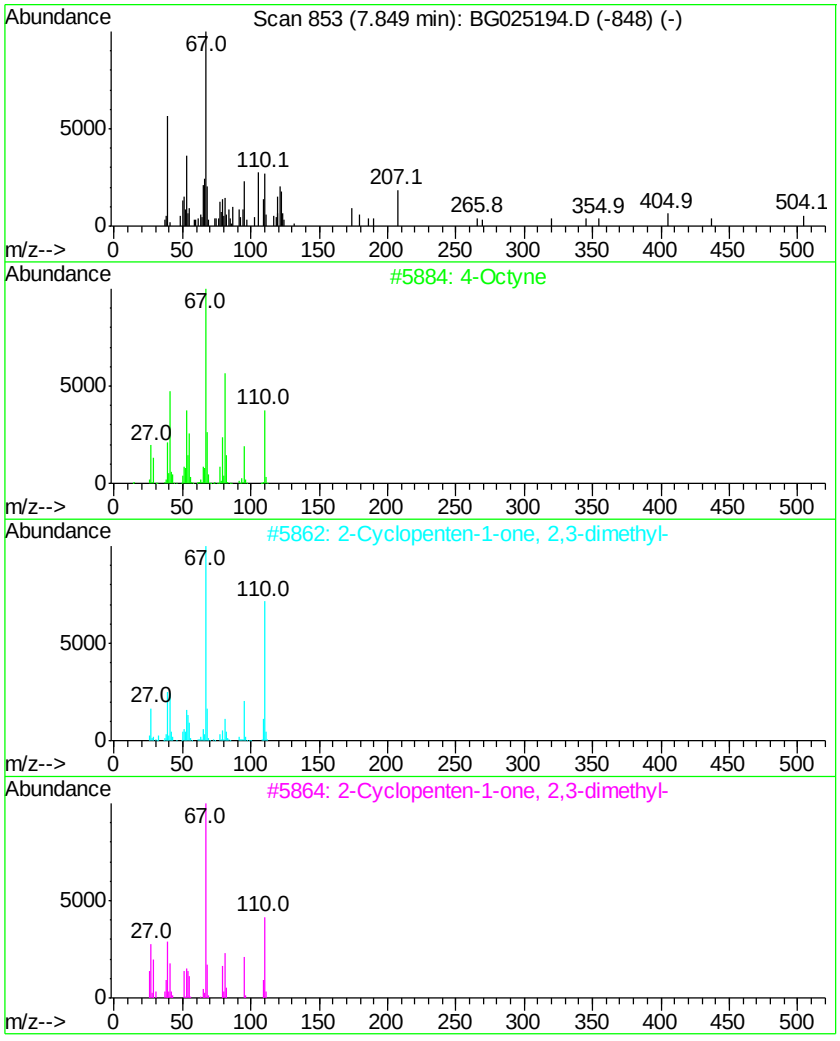
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

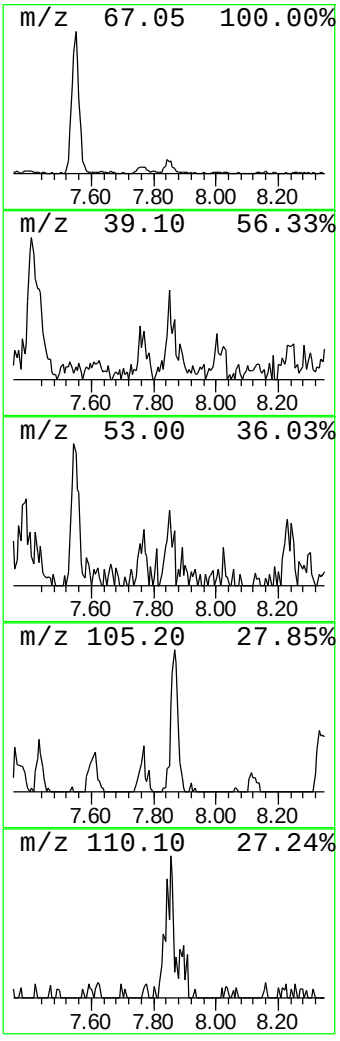
****

Peak Number 2 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	3.10 ng/ul	91693	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octyne	110	C8H14	001942-45-6	49
2	2-Cyclopenten-1-one, 2,3-dimethyl-	110	C7H10O	001121-05-7	47
3	2-Cyclopenten-1-one, 2,3-dimethyl-	110	C7H10O	001121-05-7	47
4	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	43
5	1-Methylcycloheptene	110	C8H14	055308-20-8	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

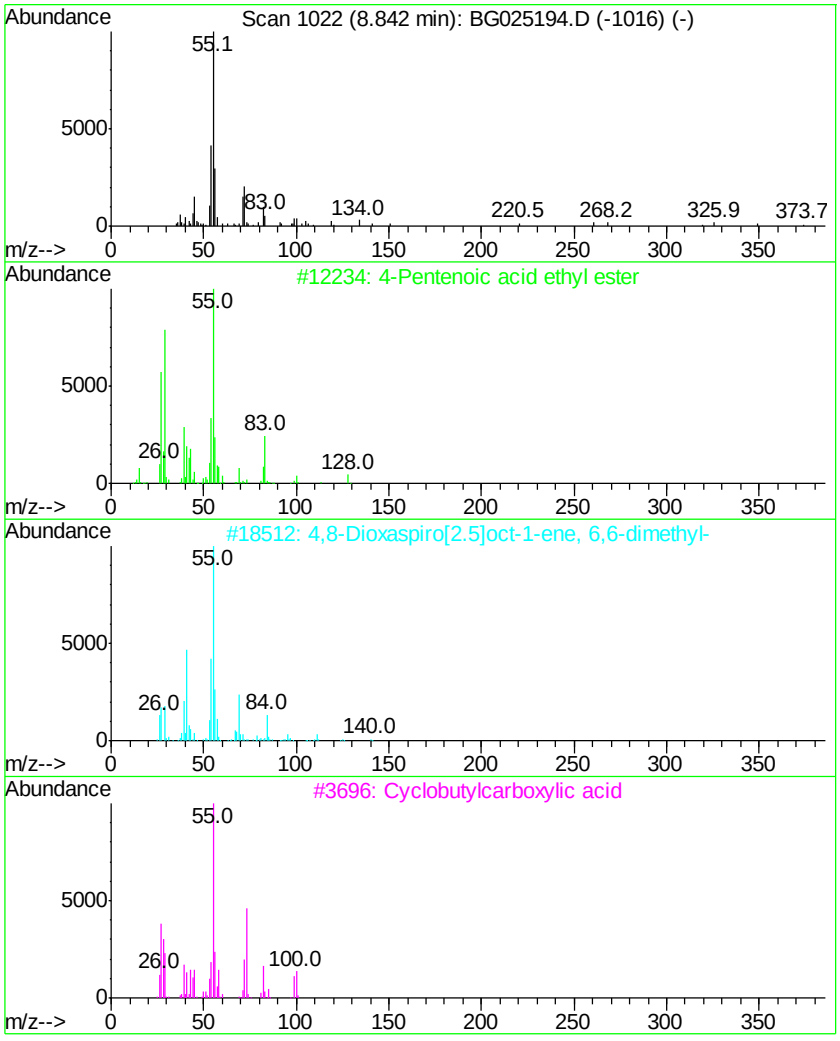
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

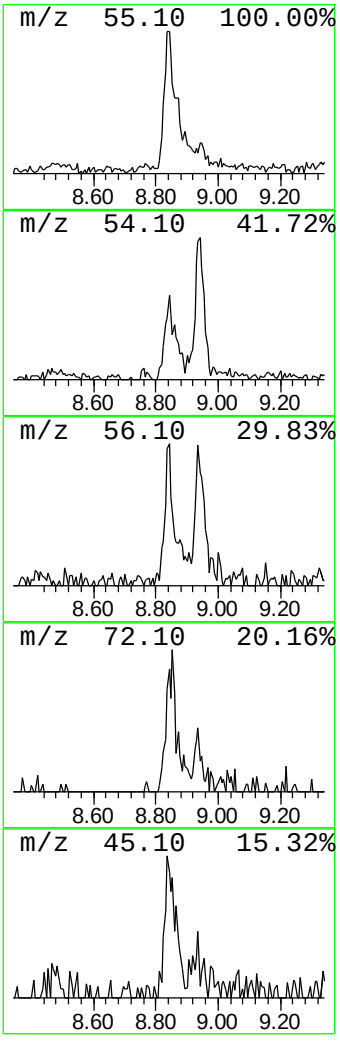
****

Peak Number 3 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	4.94 ng/ul	145800	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pentenoic acid ethyl ester	128	C7H12O2	001968-40-7	36
2	4,8-Dioxaspiro[2.5]oct-1-ene, 6,...	140	C8H12O2	060935-22-0	36
3	Cyclobutylcarboxylic acid	100	C5H8O2	003721-95-7	28
4	2(5H)-Furanone, 5-hydroxy-	100	C4H4O3	014032-66-7	28
5	2-Propenoic acid, 1,4-butanediyl...	198	C10H14O4	001070-70-8	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

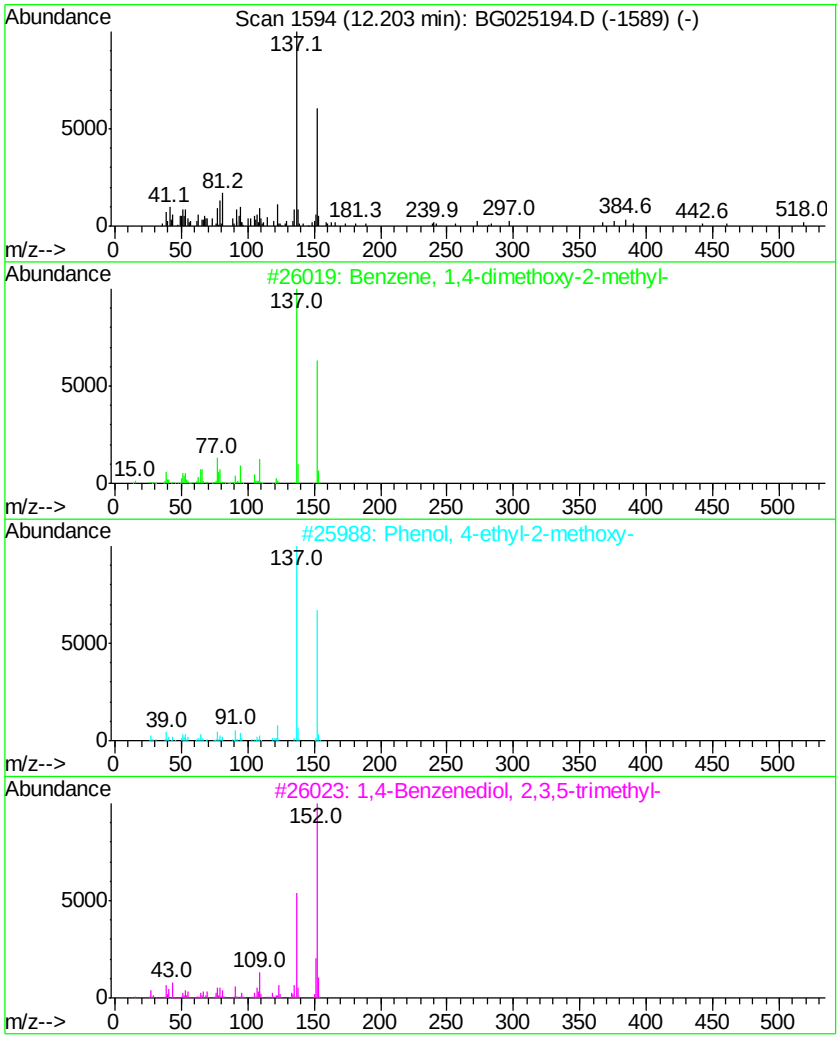
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

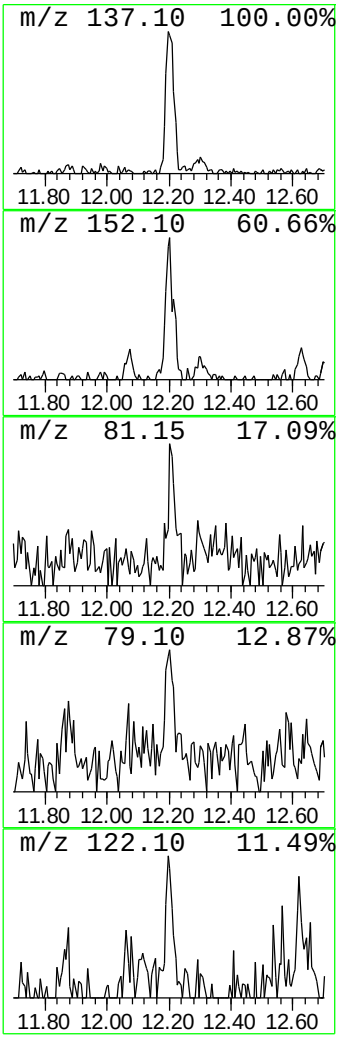
****

Peak Number 4 Benzene, 1,4-dimethoxy-2-me... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.69 ng/ul	115928	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethoxy-2-methyl-	152	C9H12O2	024599-58-4	80
2	Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	72
3	1,4-Benzenediol, 2,3,5-trimethyl-	152	C9H12O2	000700-13-0	72
4	Resorcinol, 2-acetyl-	152	C8H8O3	000699-83-2	68
5	O-Methoxy-.alpha.-methylbenzyl a...	152	C9H12O2	013513-82-1	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

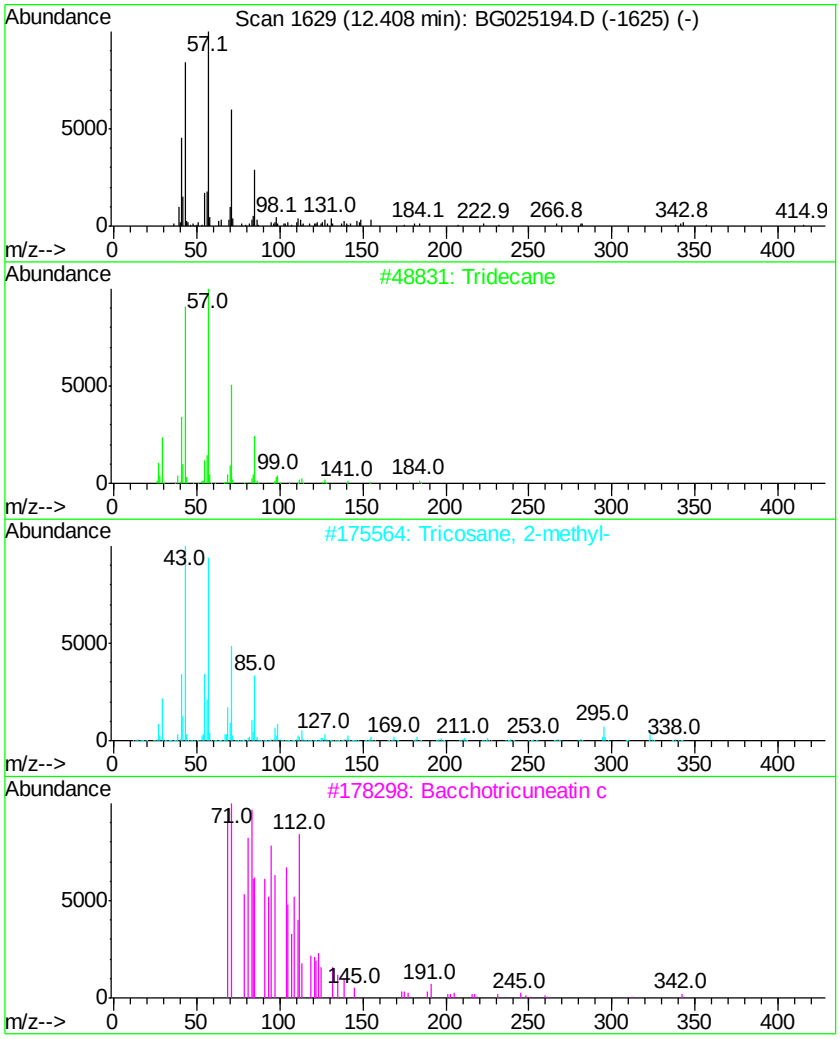
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

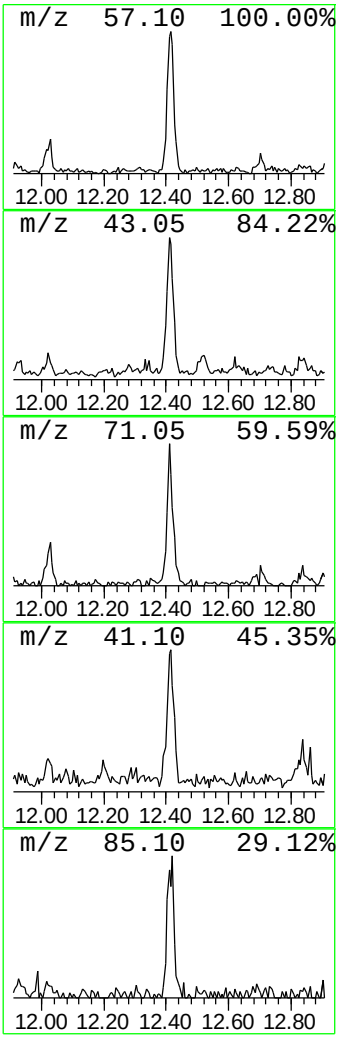
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	4.21 ng/ul	181562	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Tricosane, 2-methyl-	338	C24H50	001928-30-9	81
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	74
4	Hexadecane	226	C16H34	000544-76-3	72
5	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

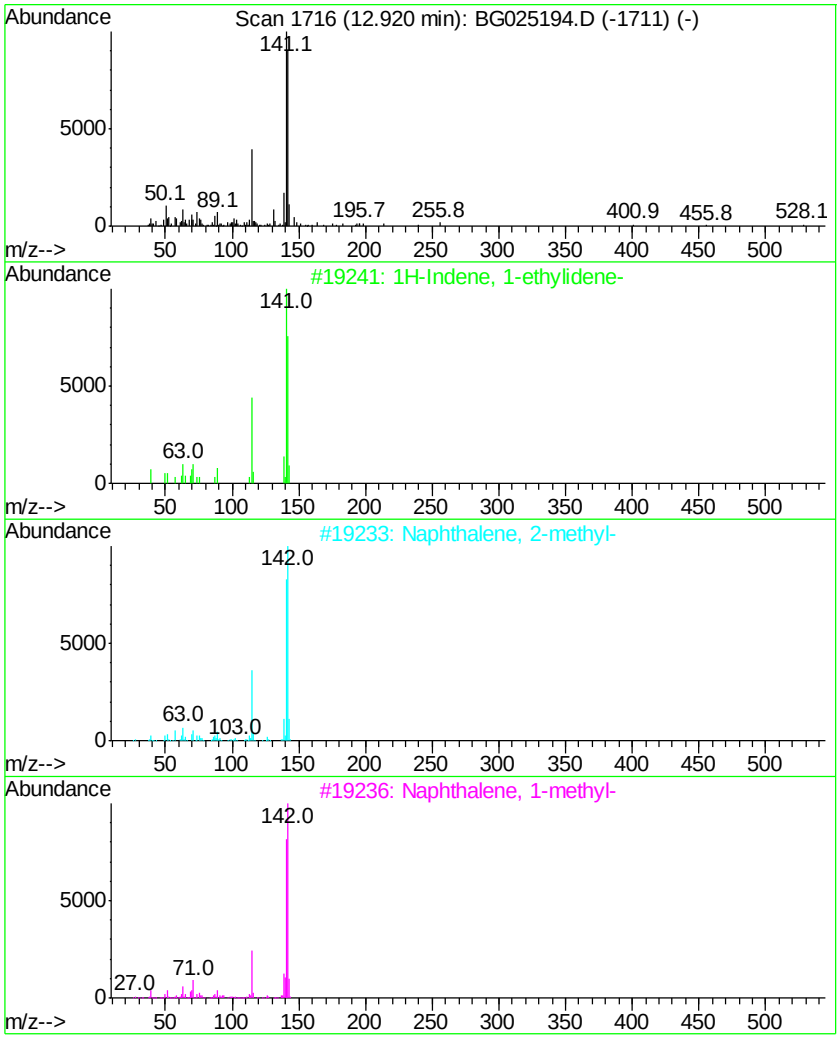
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

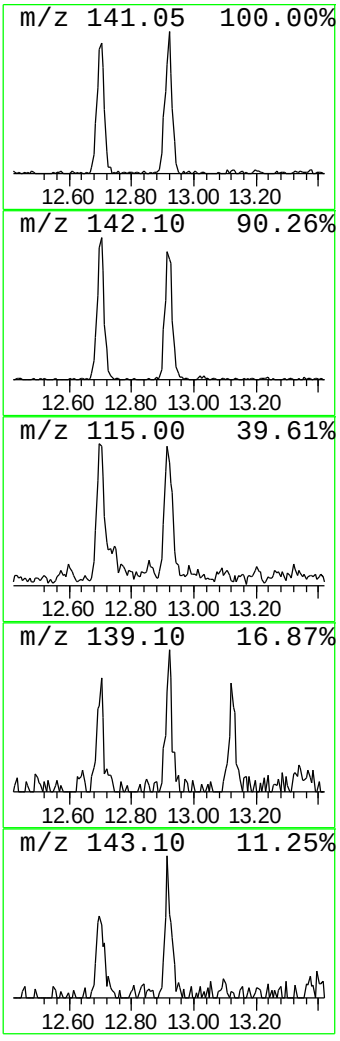
****

Peak Number 7 1H-Indene, 1-ethylidene- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	4.00 ng/ul	172664	Naphthalene-d8	11.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

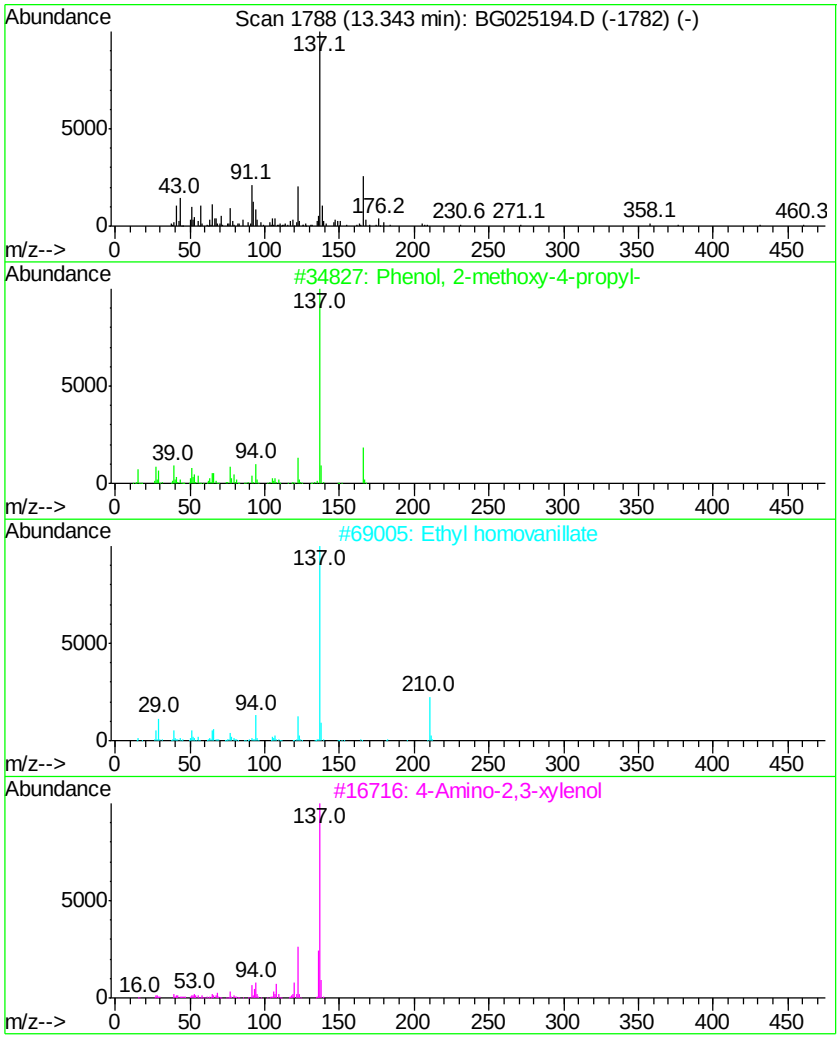
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

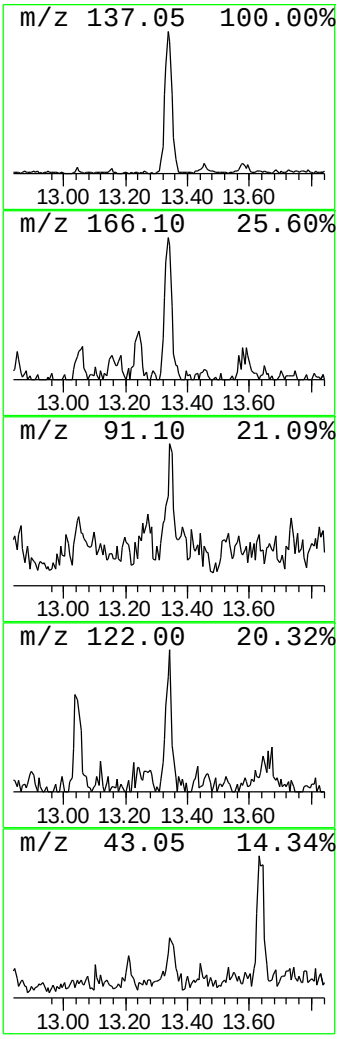
****

Peak Number 8 Phenol, 2-methoxy-4-propyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	3.32 ng/ul	227651	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methoxy-4-propyl-	166	C10H14O2	002785-87-7	80
2	Ethyl homovanillate	210	C11H14O4	060563-13-5	59
3	4-Amino-2,3-xylenol	137	C8H11NO	003096-69-3	58
4	Phenol, 3-(dimethylamino)-	137	C8H11NO	000099-07-0	53
5	Glutaric acid, di(2-methoxybenzy...	372	C21H24O6	1000376-94-1	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

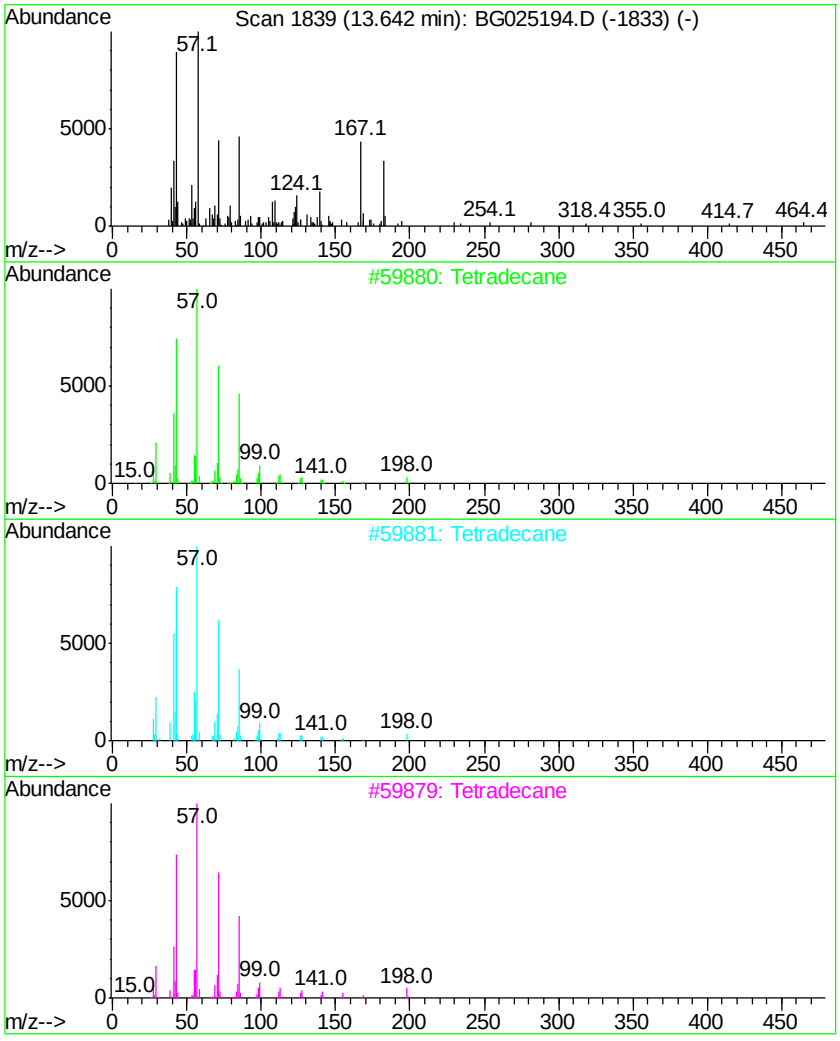
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

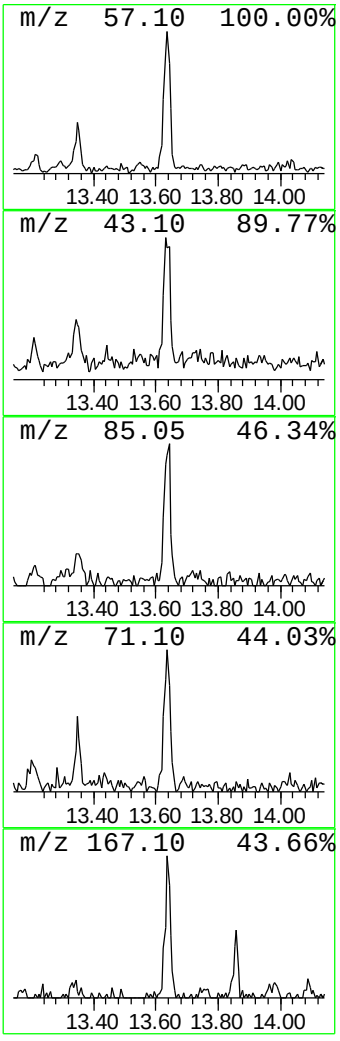
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	2.34 ng/ul	160531	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	48
2	Tetradecane	198	C14H30	000629-59-4	48
3	Tetradecane	198	C14H30	000629-59-4	35
4	Decane	142	C10H22	000124-18-5	20
5	Undecane	156	C11H24	001120-21-4	14





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

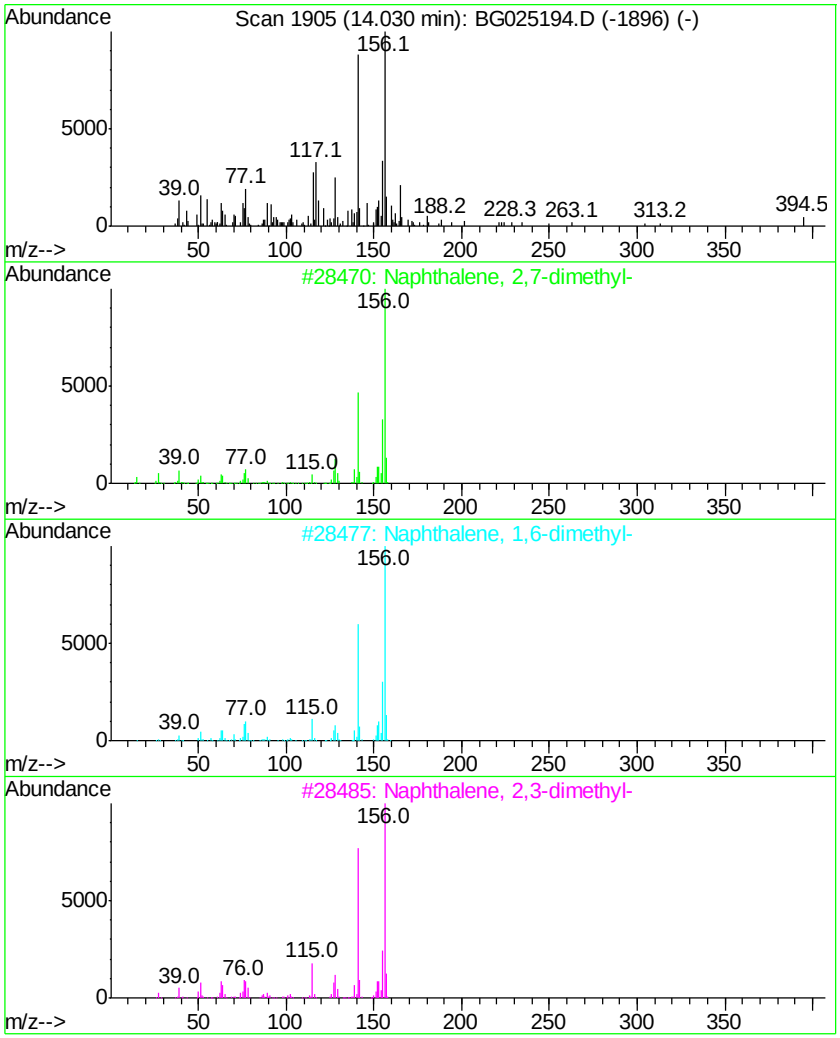
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

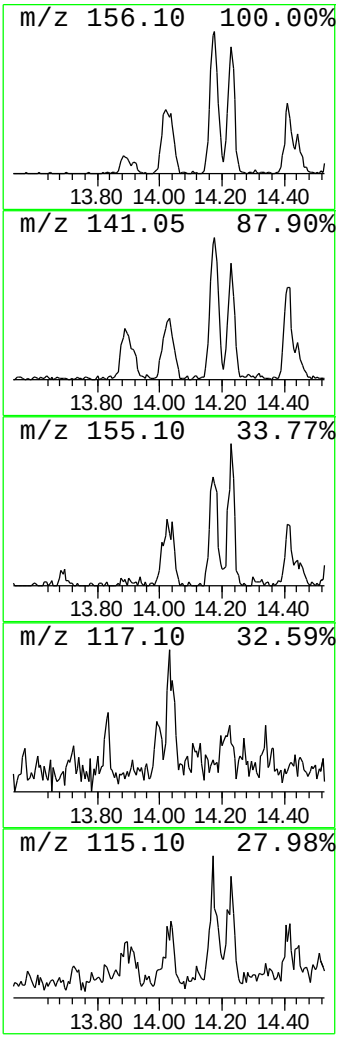
****

Peak Number 10 Naphthalene, 2,7-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	3.34 ng/ul	228562	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	89
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	86
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	86
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	86
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

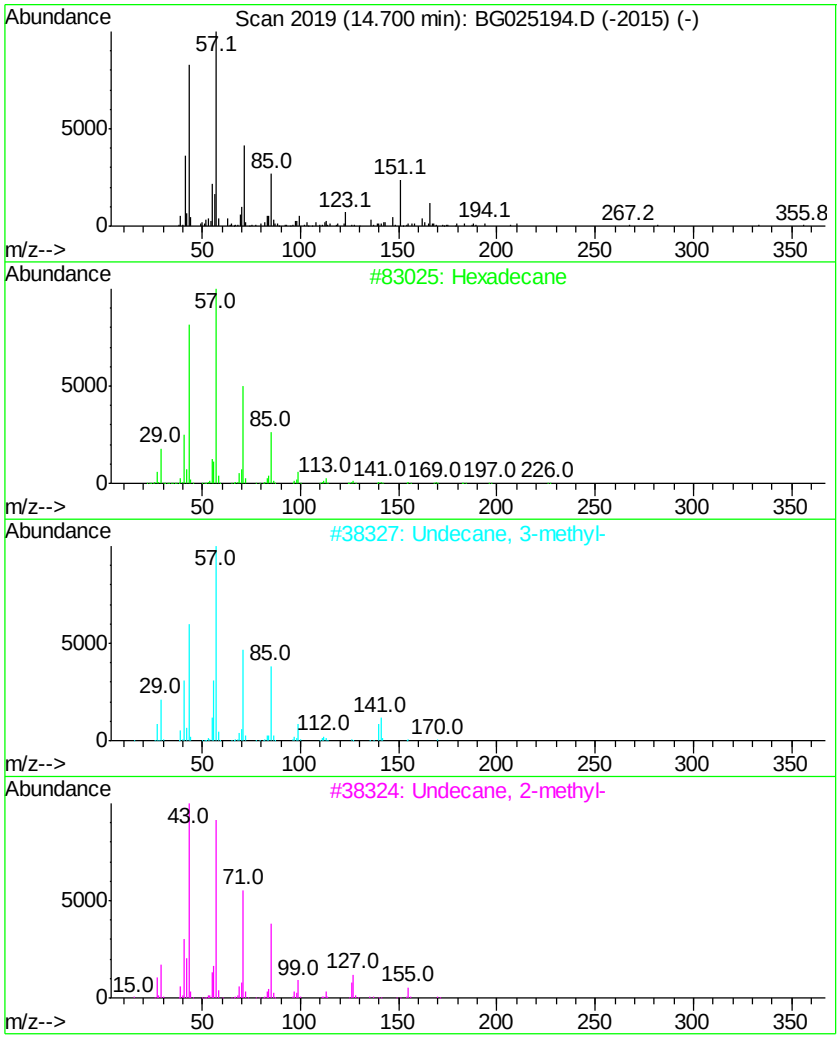
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

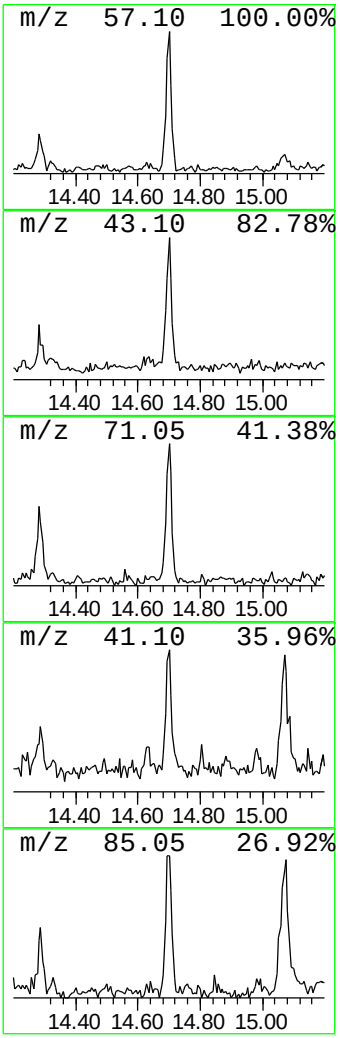
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	3.04 ng/ul	208203	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	49
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	47
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	47
4	Heneicosane	296	C21H44	000629-94-7	47
5	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

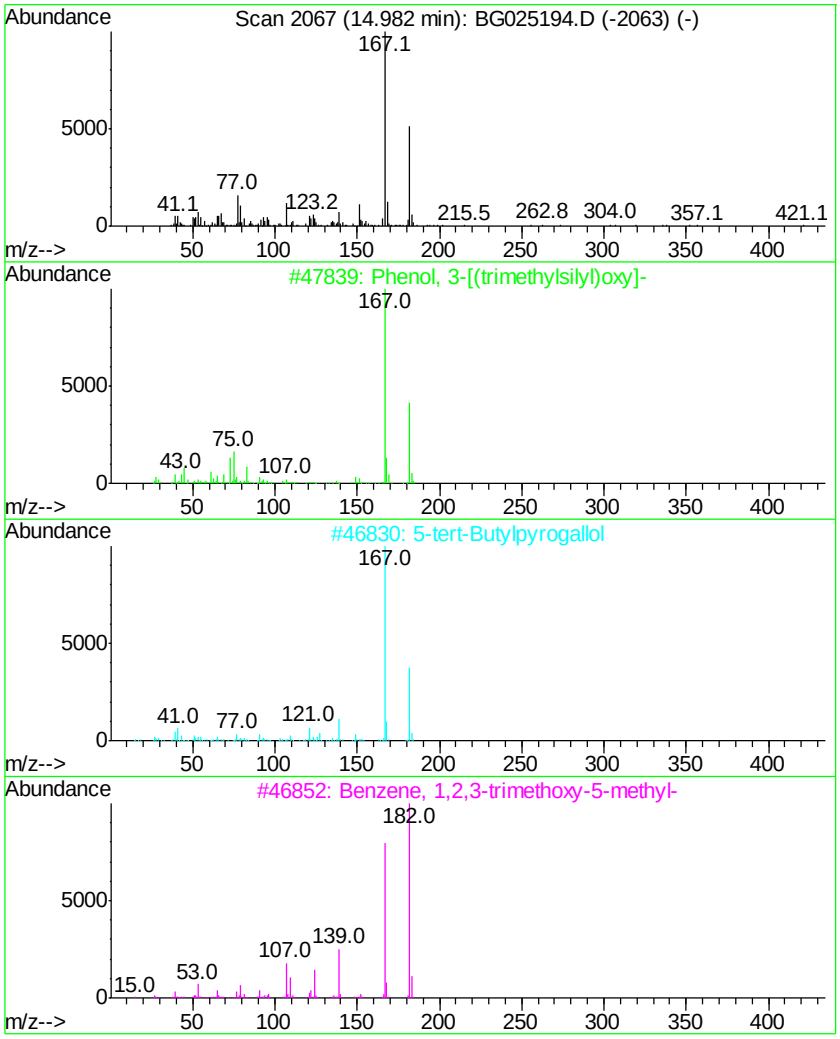
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

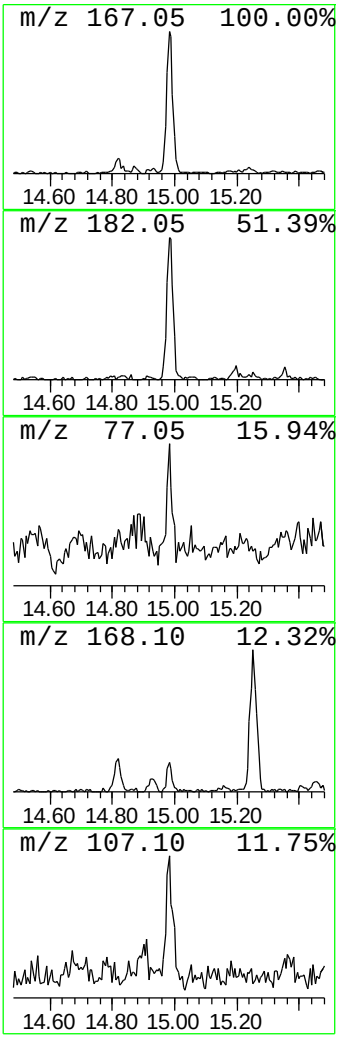
****

Peak Number 13 Phenol, 3-[(trimethylsilyl)... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	3.78 ng/ul	259034	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-[(trimethylsilyl)oxy]-	182	C9H14O2Si	017882-01-8	72
2	5-tert-Butylpyrogallol	182	C10H14O3	020481-17-8	64
3	Benzene, 1,2,3-trimethoxy-5-methyl-	182	C10H14O3	006443-69-2	64
4	3-Isopropyl-1-methyl-4-methylami...	182	C9H14N2O2	1000296-12-2	64
5	4,4-Dimethyl-5-methylene-2-allyl...	182	C9H14N2S	037120-29-9	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

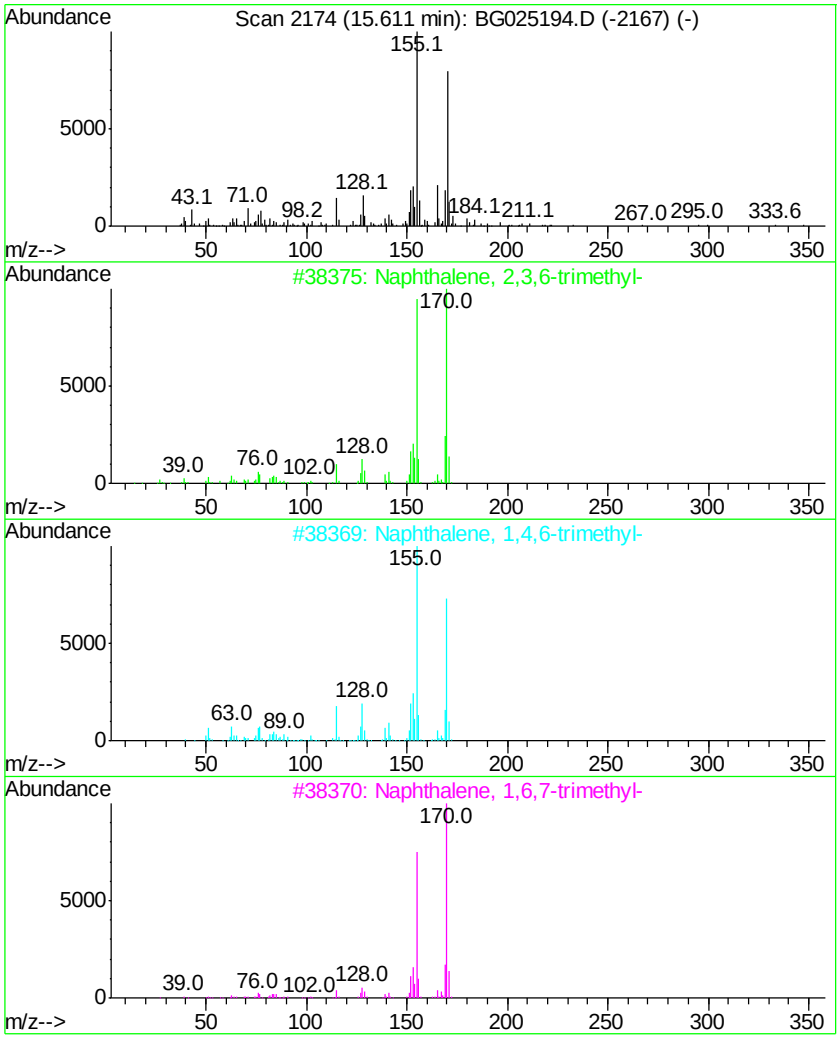
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

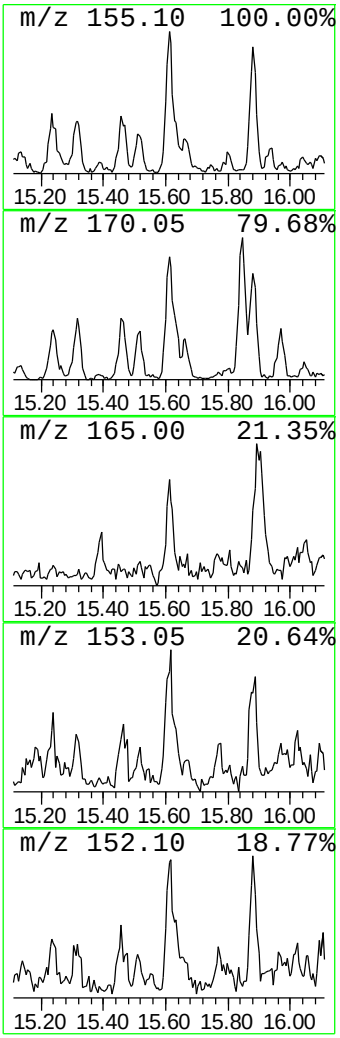
****

Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	4.48 ng/ul	306738	Acenaphthene-d10	14.86

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	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

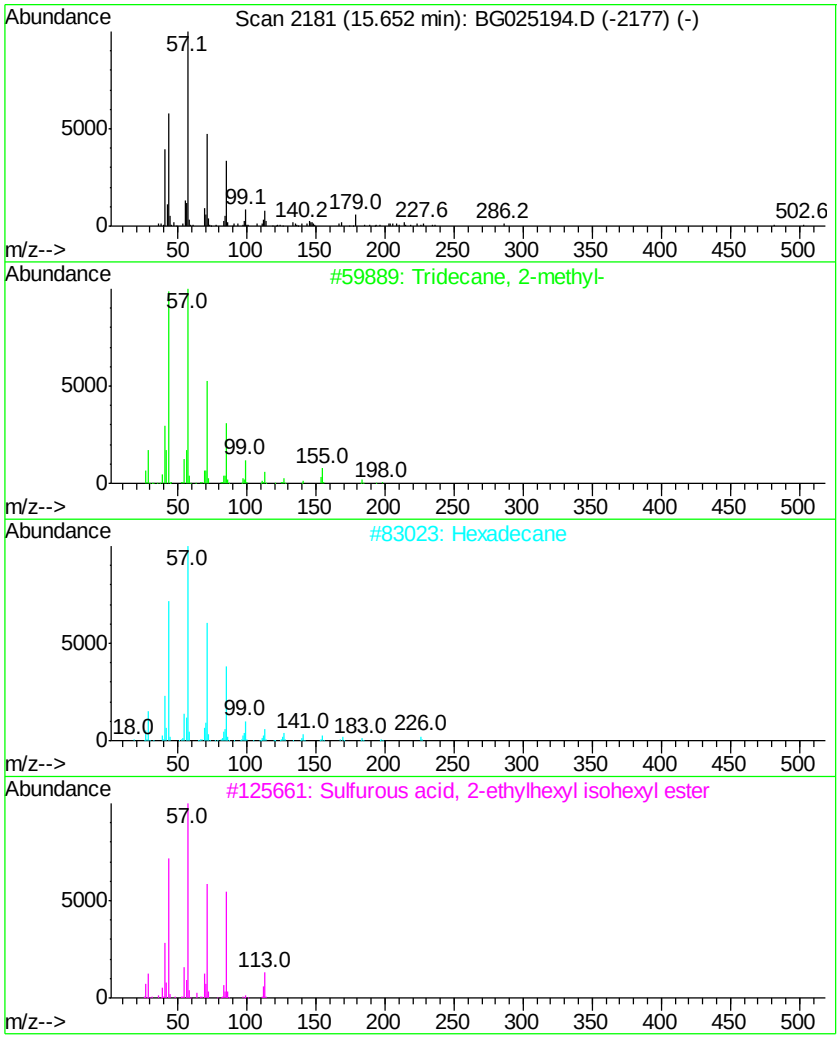
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

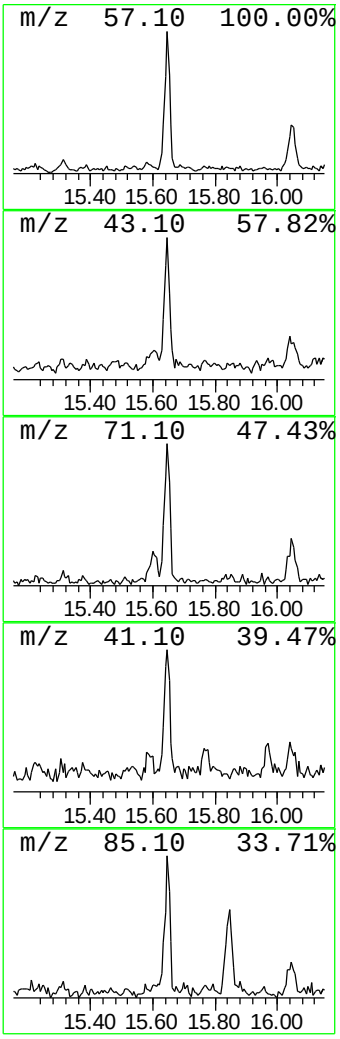
****

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	5.48 ng/ul	375369	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	72
2	Hexadecane	226	C16H34	000544-76-3	72
3	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	64
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	59
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

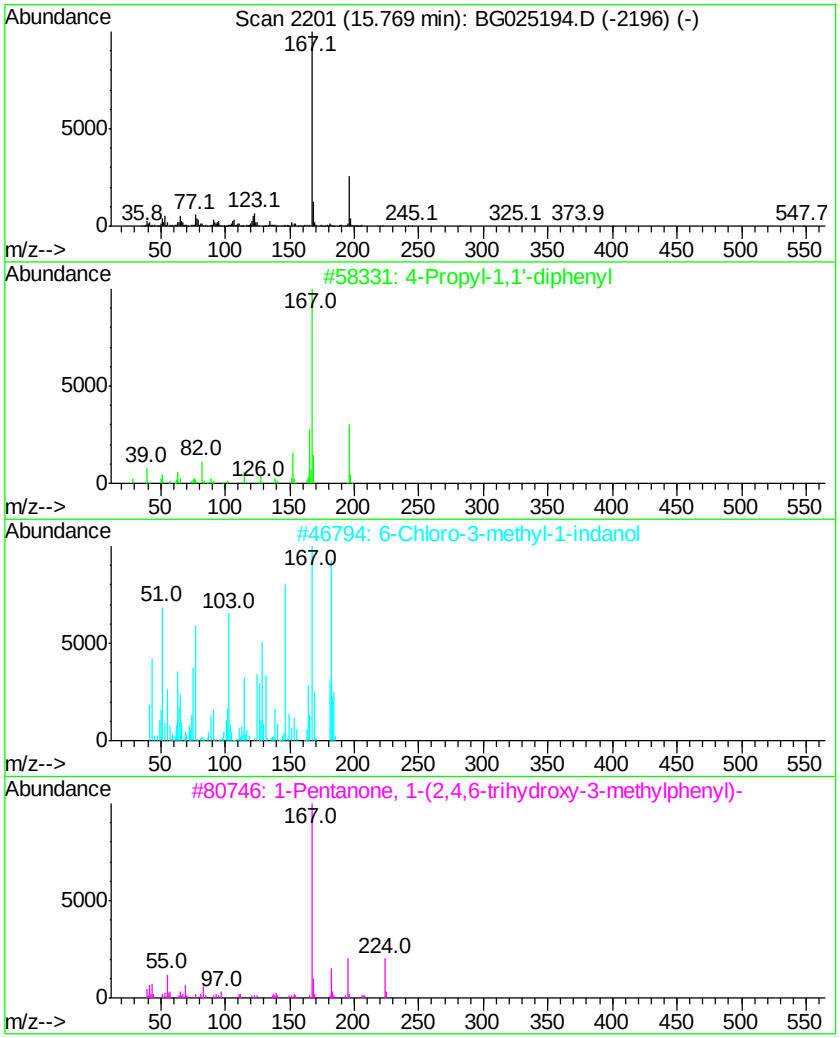
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

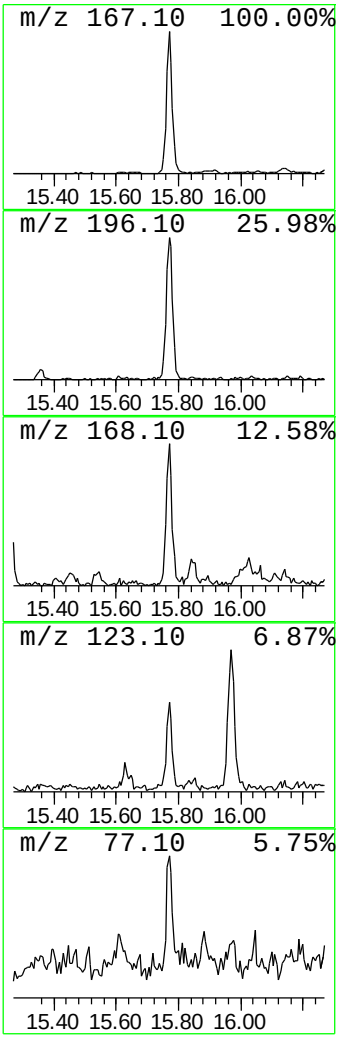
****

Peak Number 16 4-Propyl-1,1'-diphenyl Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	9.44 ng/ul	647002	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Propyl-1,1'-diphenyl	196	C15H16	010289-45-9	72
2	6-Chloro-3-methyl-1-indanol	182	C10H11ClO	055058-79-2	47
3	1-Pentanone, 1-(2,4,6-trihydroxy...	224	C12H16O4	049583-26-8	42
4	Benzene, 1,1'-[(2-phenylethoxy)m...	288	C21H20O	067810-88-2	40
5	2,4-Hexadienedioic acid, 3-methy...	226	C12H18O4	069796-13-0	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

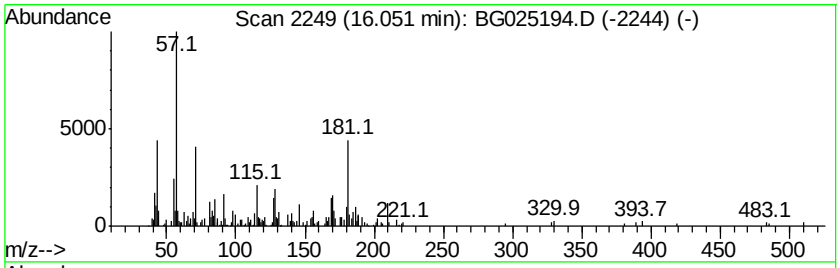
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

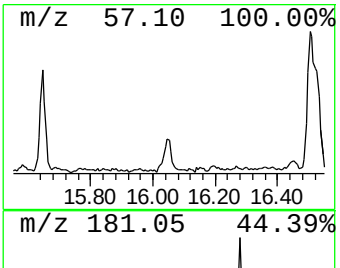
****

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	2.14 ng/ul	146897	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	38
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	30
3	Undecane	156	C11H24	001120-21-4	30
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	27
5	Docosane	310	C22H46	000629-97-0	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

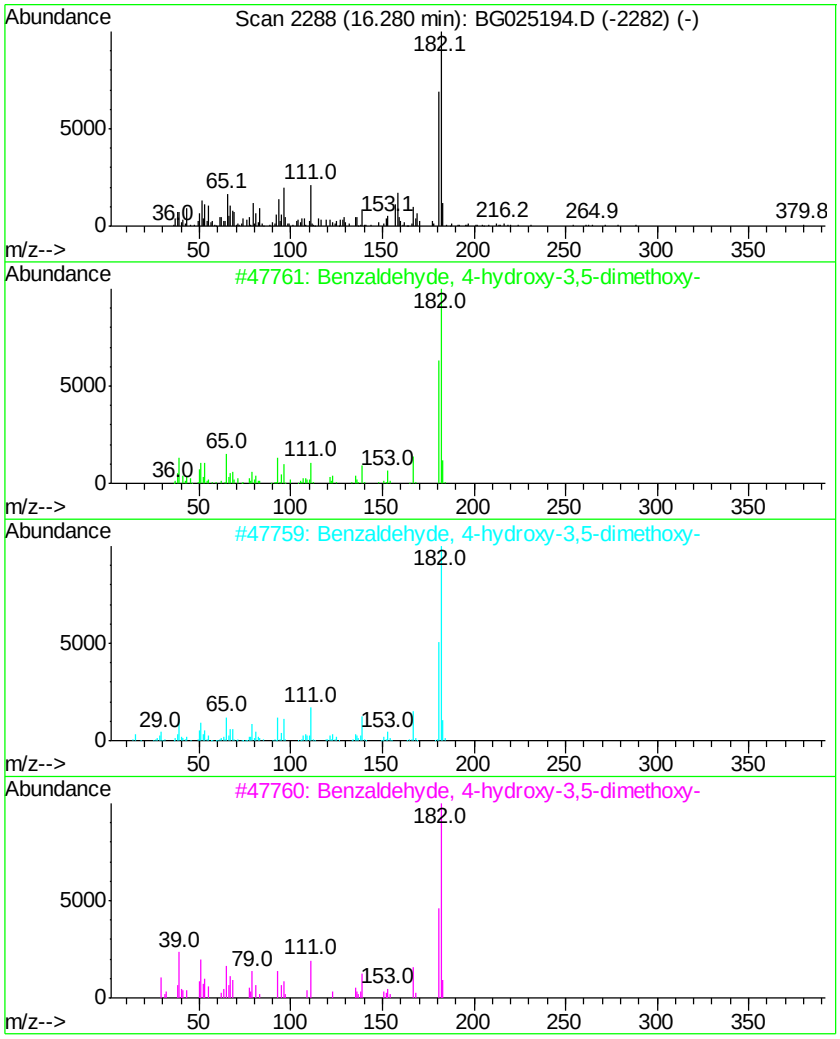
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

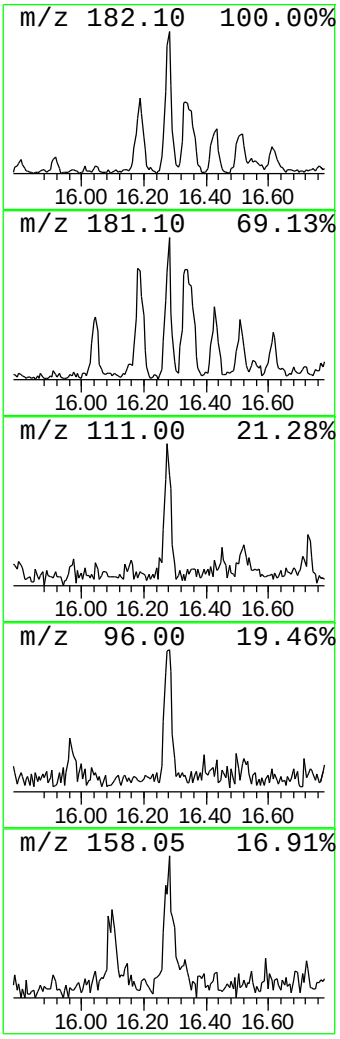
****

Peak Number 18 Benzaldehyde, 4-hydroxy-3,5... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	3.32 ng/ul	298585	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	86
2	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	76
3	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	59
4	3,4-Dimethoxy-5-hydroxybenzaldehyde	182	C9H10O4	029865-90-5	50
5	Benzoic acid, 3,4-dimethoxy-	182	C9H10O4	000093-07-2	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

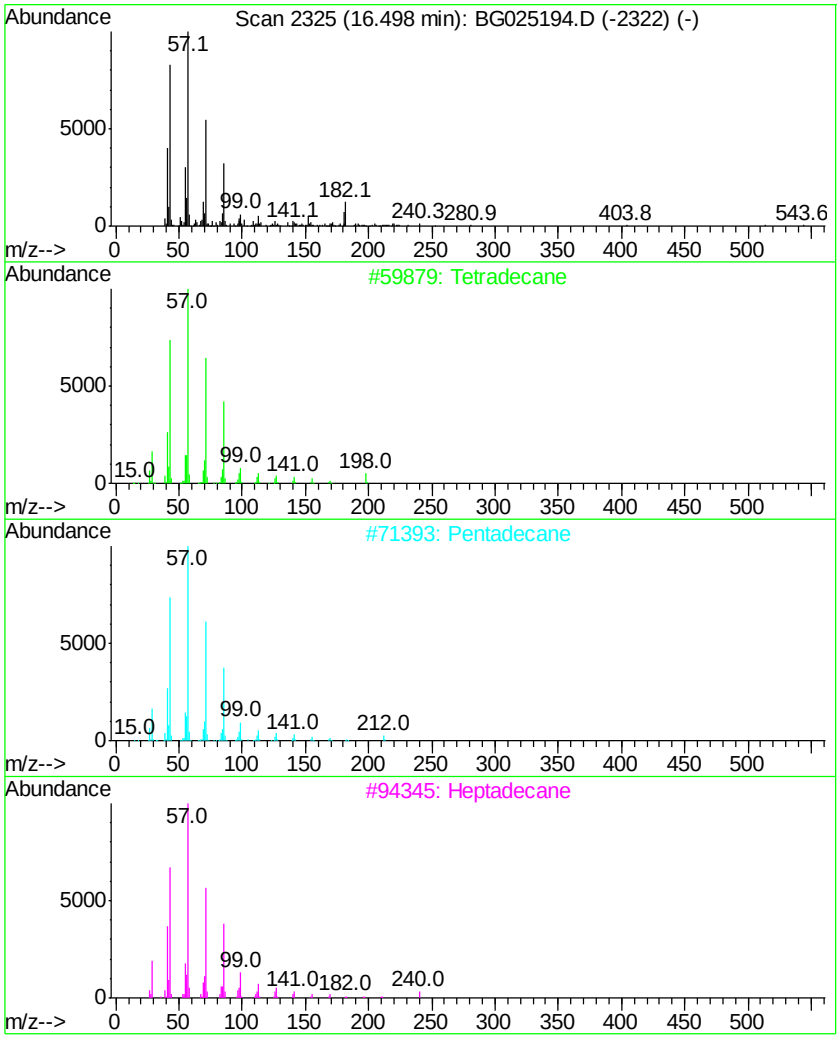
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

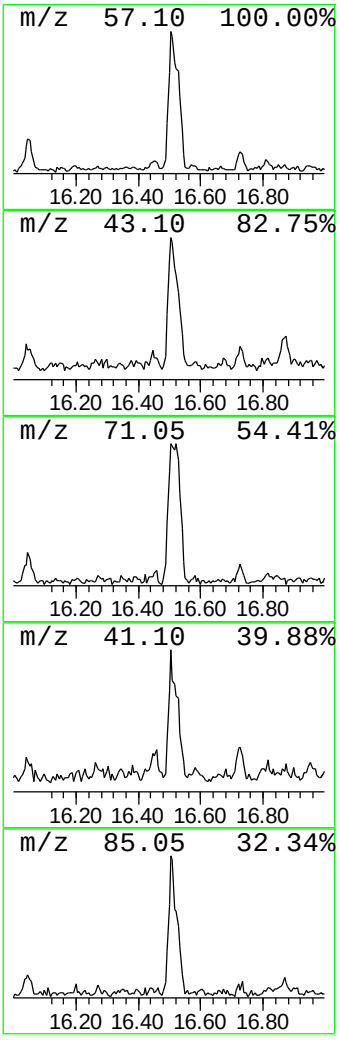
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	10.64 ng/ul	956064	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	94
2	Pentadecane	212	C15H32	000629-62-9	93
3	Heptadecane	240	C17H36	000629-78-7	76
4	Eicosane	282	C20H42	000112-95-8	64
5	Dodecane	170	C12H26	000112-40-3	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

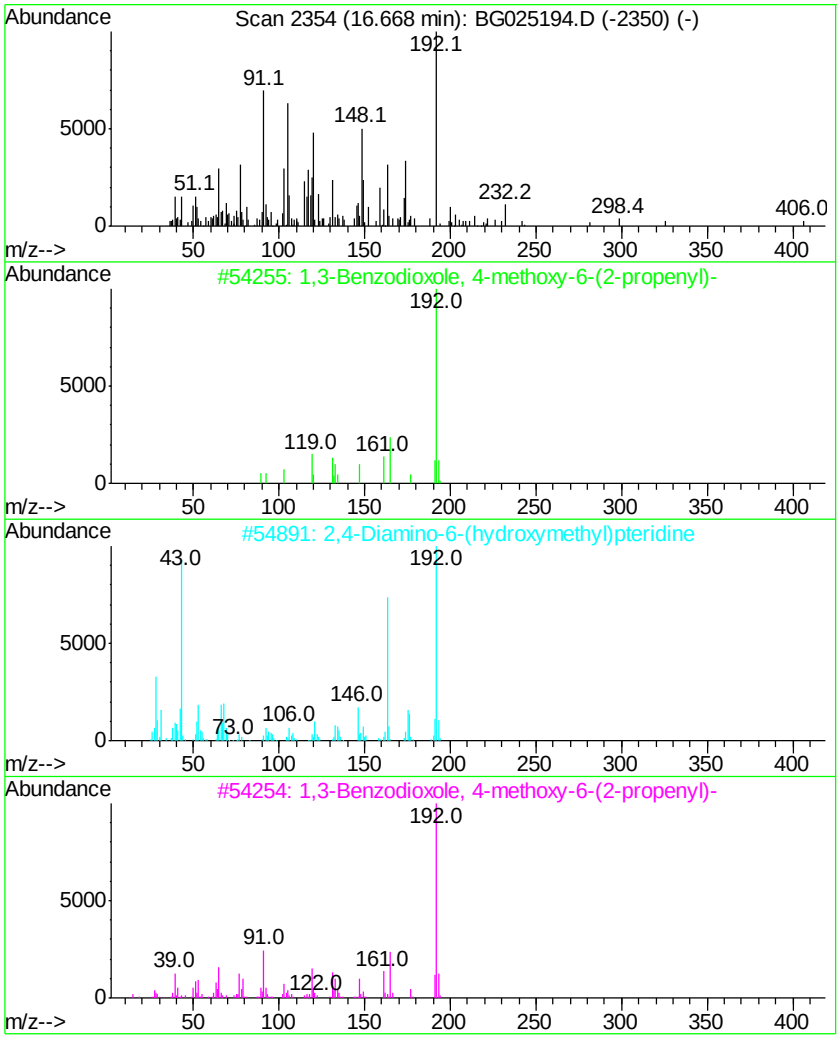
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

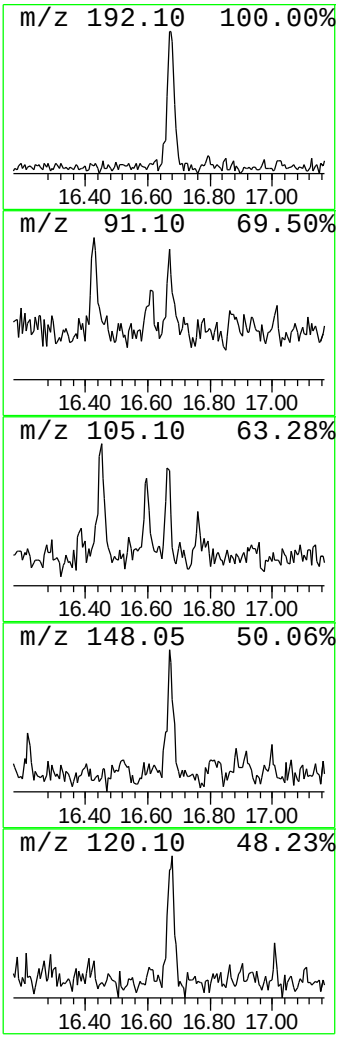
****

Peak Number 21 unknown-03 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	2.59 ng/ul	232521	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzodioxole, 4-methoxy-6-(2...	192	C11H12O3	000607-91-0	35
2	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	35
3	1,3-Benzodioxole, 4-methoxy-6-(2...	192	C11H12O3	000607-91-0	35
4	3-(1-Methyl-1-silacyclobutyl)ben...	220	C12H16O2Si	1000215-65-4	30
5	4-Methylesculetin	192	C10H8O4	000529-84-0	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

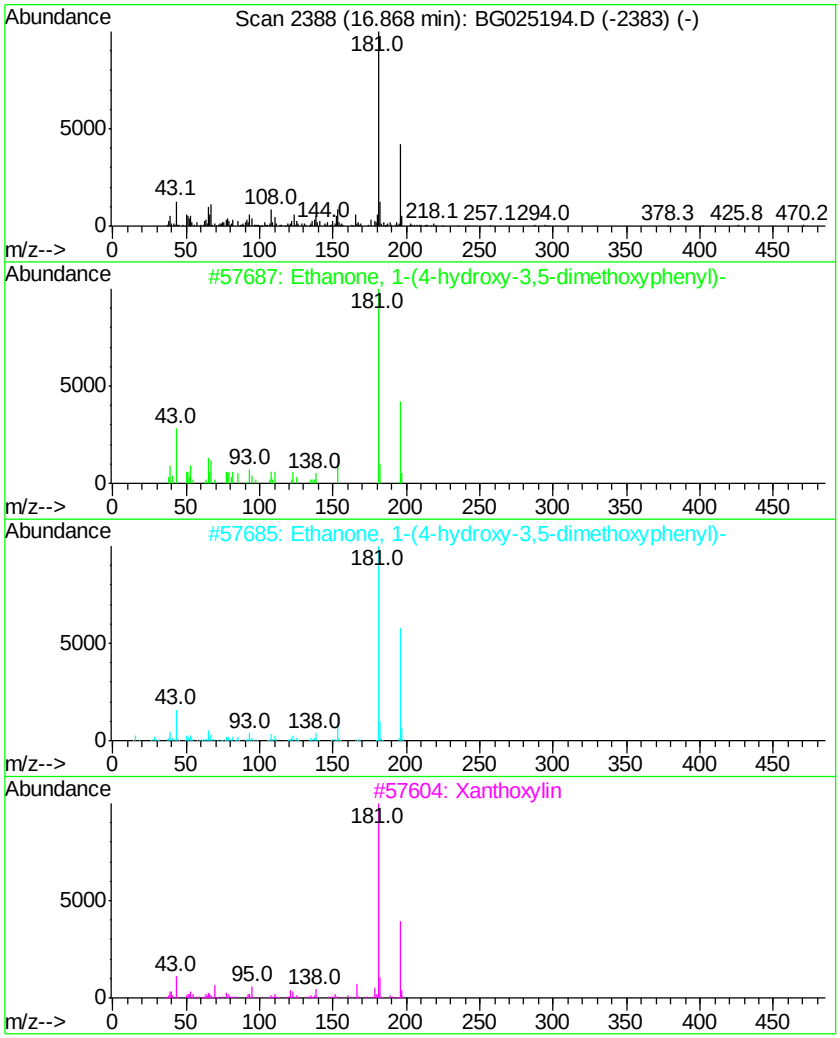
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

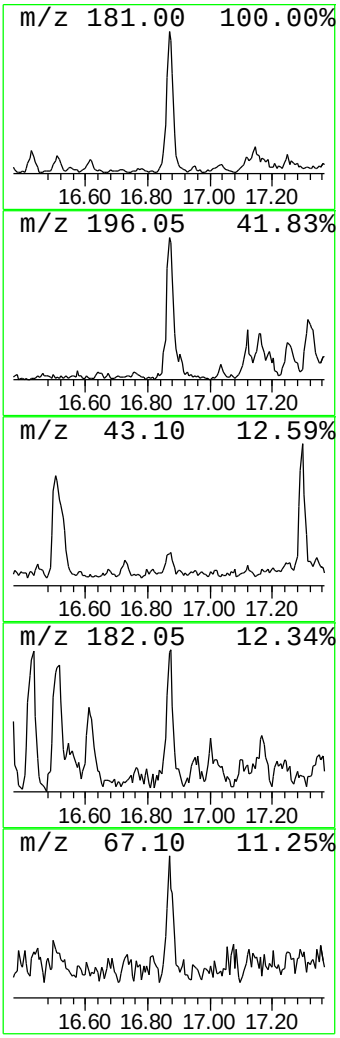
****

Peak Number 22 Ethanone, 1-(4-hydroxy-3,5-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	6.62 ng/ul	594326	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	91
2	Ethanone, 1-(4-hydroxy-3,5-dimet...	196	C10H12O4	002478-38-8	81
3	Xanthoxylin	196	C10H12O4	000090-24-4	74
4	Orcinol, trimethylsilyl ether	196	C10H16O2Si	1000352-83-3	72
5	Silane, (4-methoxyphenoxy)trimet...	196	C10H16O2Si	006689-38-9	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

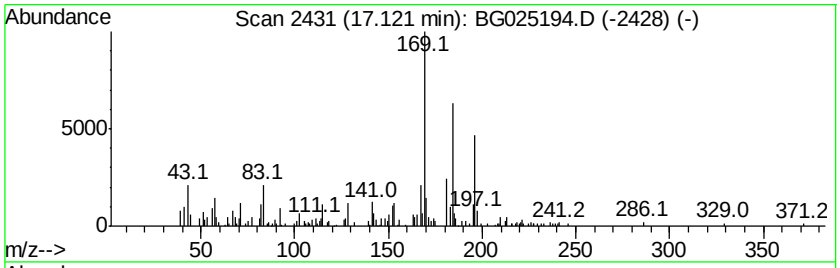
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

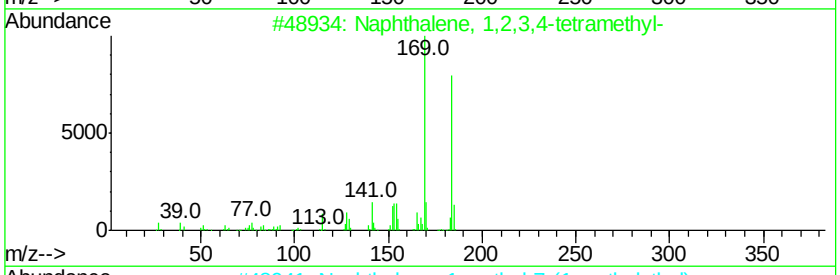
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

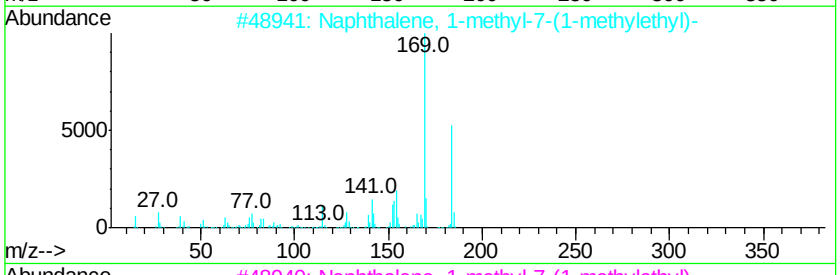
****
Peak Number 23 Naphthalene, 1,2,3,4-tetram... Concentration Rank 36

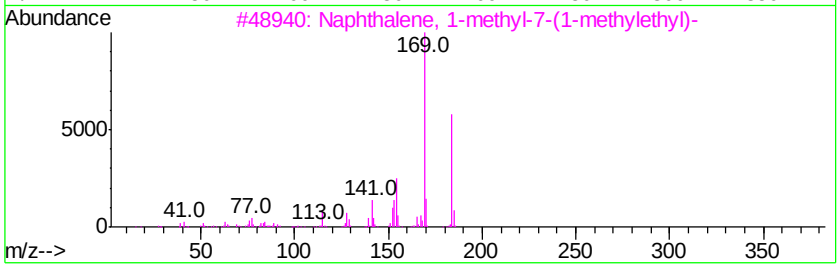
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.20 ng/ul	197659	Phenanthrene-d10	17.60

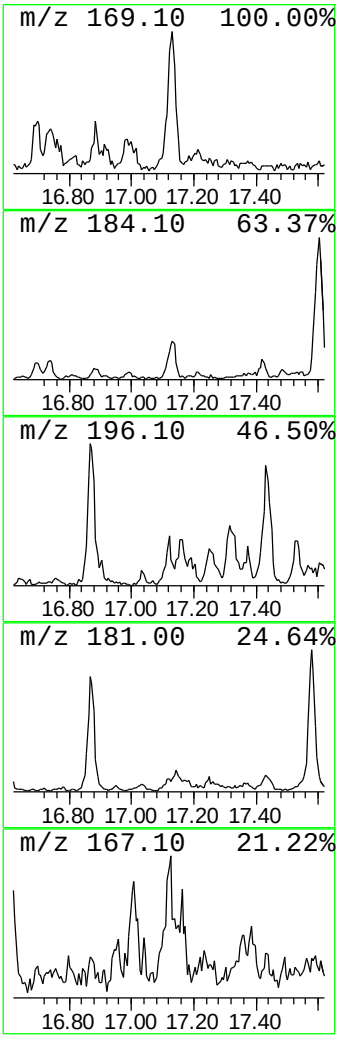
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	60
2	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	49
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	46
4	2,4,6(1H,3H,5H)-Pyrimidinetrione...	240	C12H20N2O3	055134-03-7	43
5	Ethanone, 1-(5-chloro-2-hydroxy-...	184	C9H9ClO2	028480-70-8	43











Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

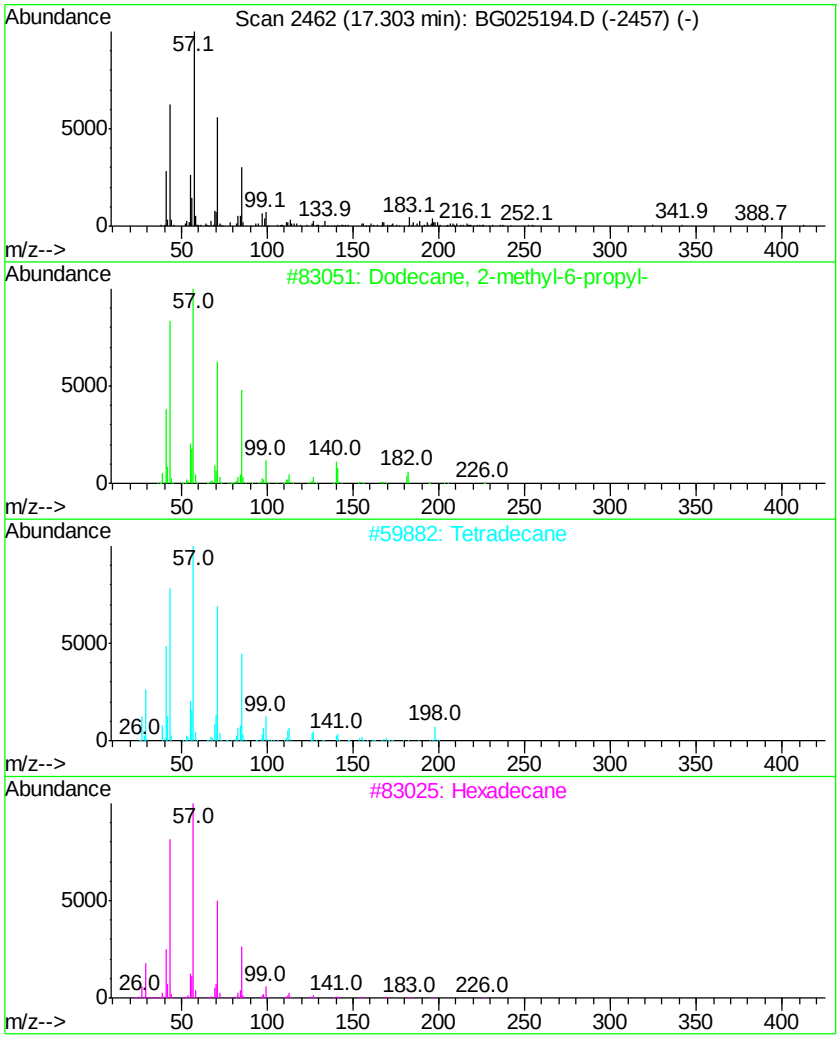
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

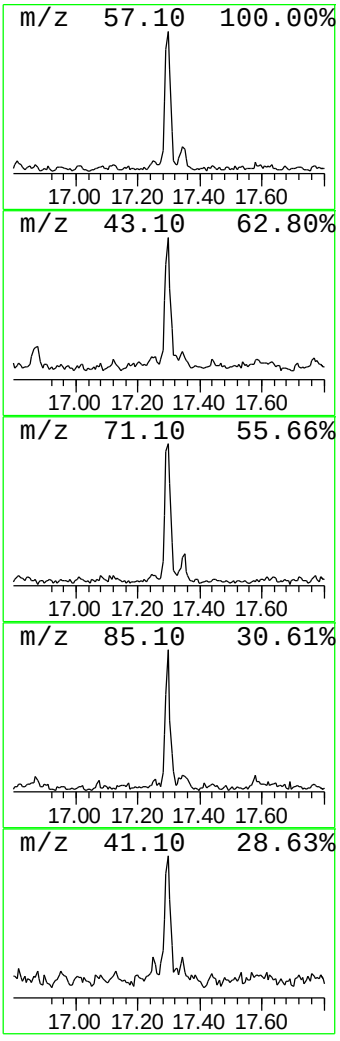
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	3.76 ng/ul	338116	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
2	Tetradecane	198	C14H30	000629-59-4	68
3	Hexadecane	226	C16H34	000544-76-3	64
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	62
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	60





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

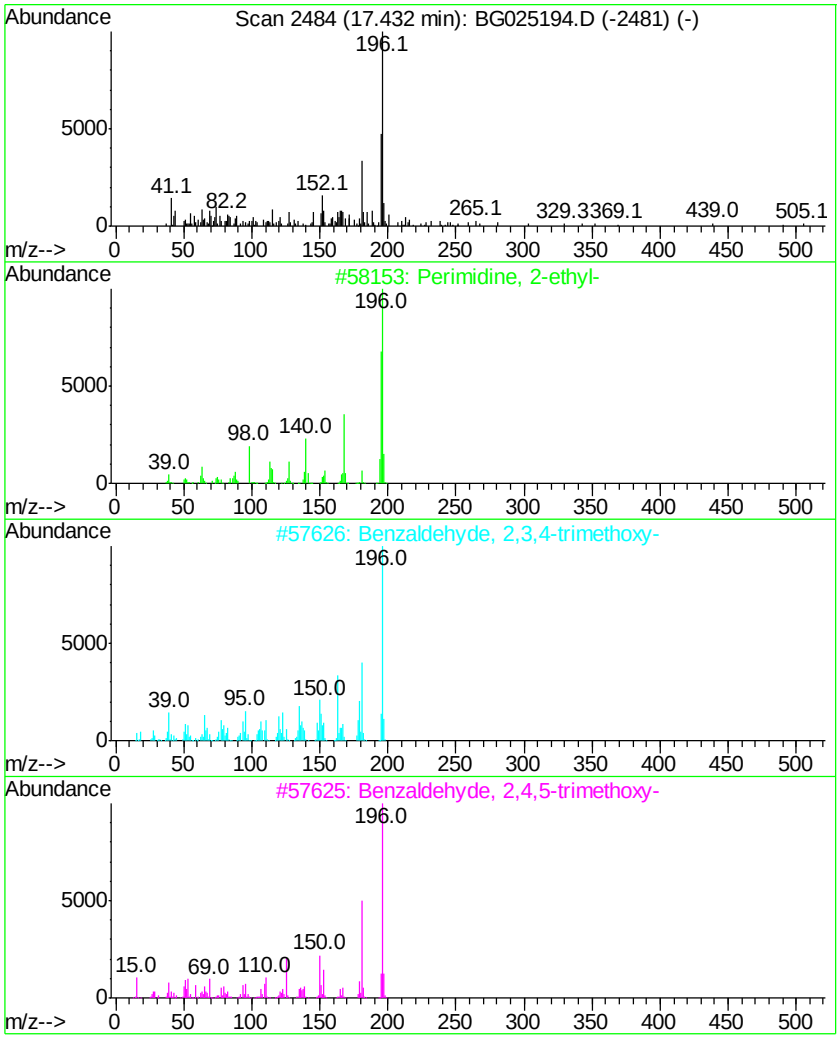
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

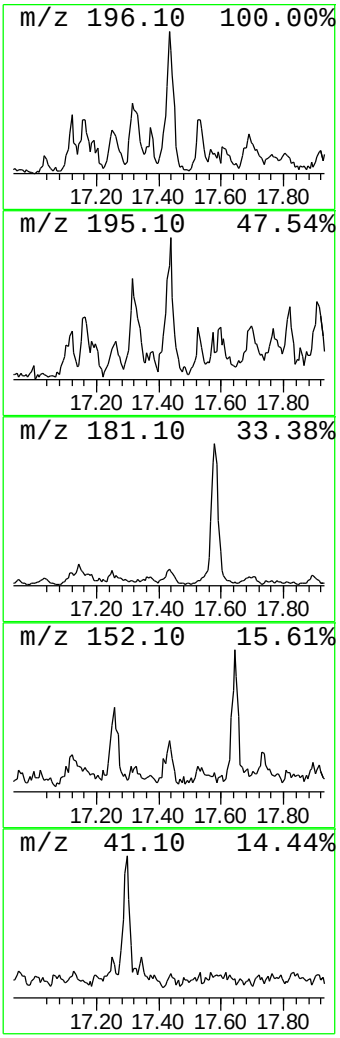
****

Peak Number 25 Perimidine, 2-ethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	2.06 ng/ul	184980	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	59
2	Benzaldehyde, 2,3,4-trimethoxy-	196	C10H12O4	002103-57-3	50
3	Benzaldehyde, 2,4,5-trimethoxy-	196	C10H12O4	004460-86-0	50
4	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	49
5	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

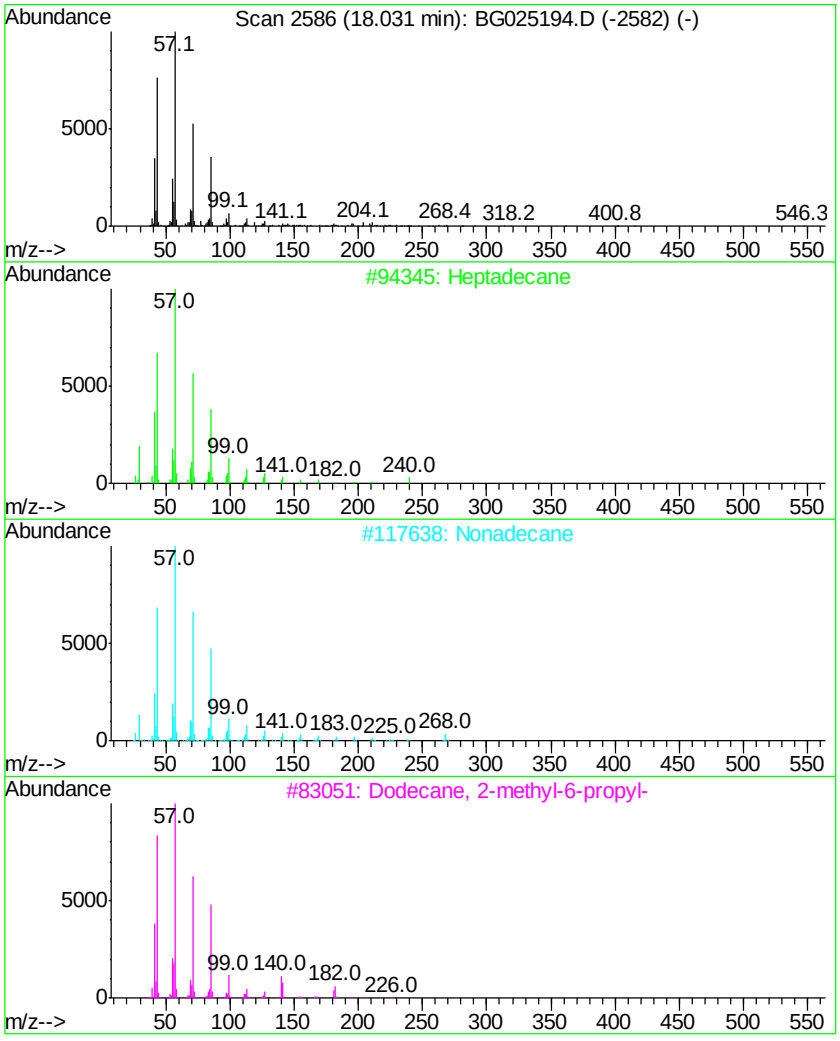
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

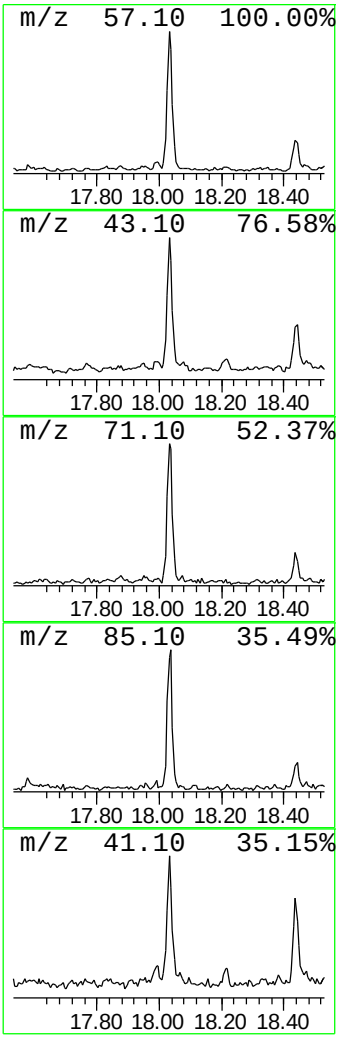
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	6.92 ng/ul	621646	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Nonadecane	268	C19H40	000629-92-5	87
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	87
4	Heptadecane	240	C17H36	000629-78-7	87
5	Hexadecane	226	C16H34	000544-76-3	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

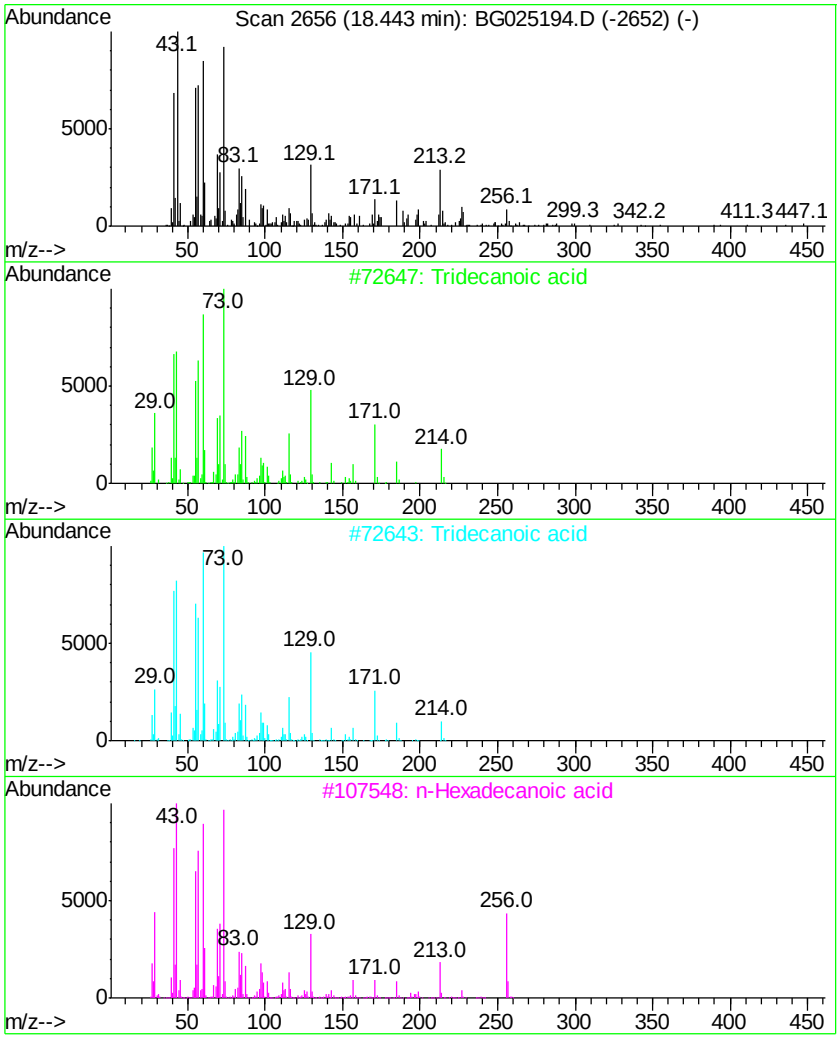
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

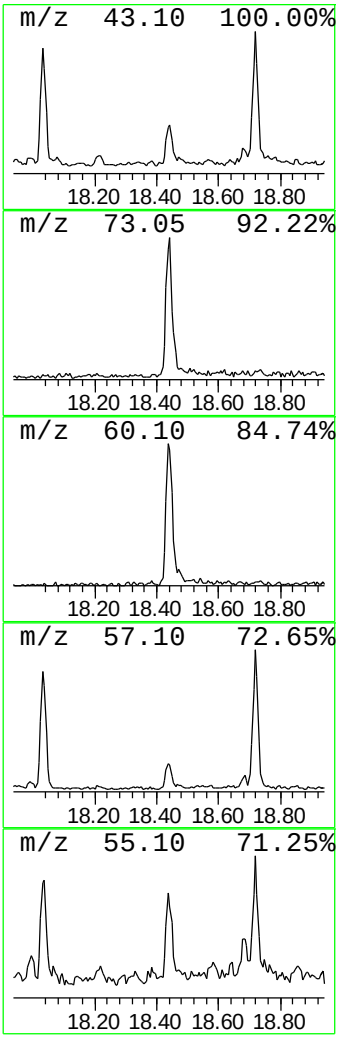
****

Peak Number 27 Tridecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	4.46 ng/ul	400521	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	91
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

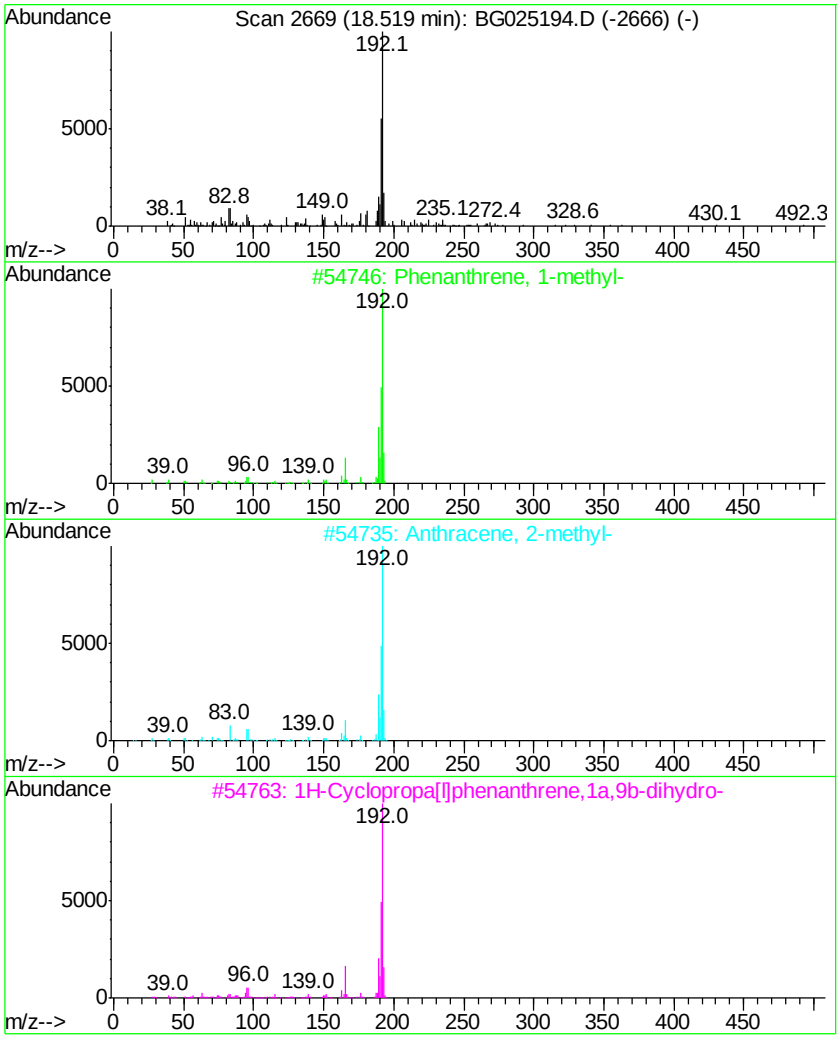
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

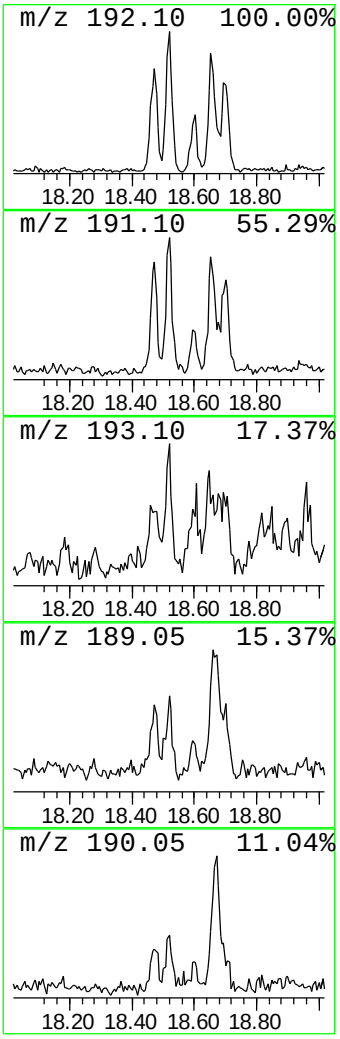
****

Peak Number 28 Phenanthrene, 1-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	2.04 ng/ul	183287	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

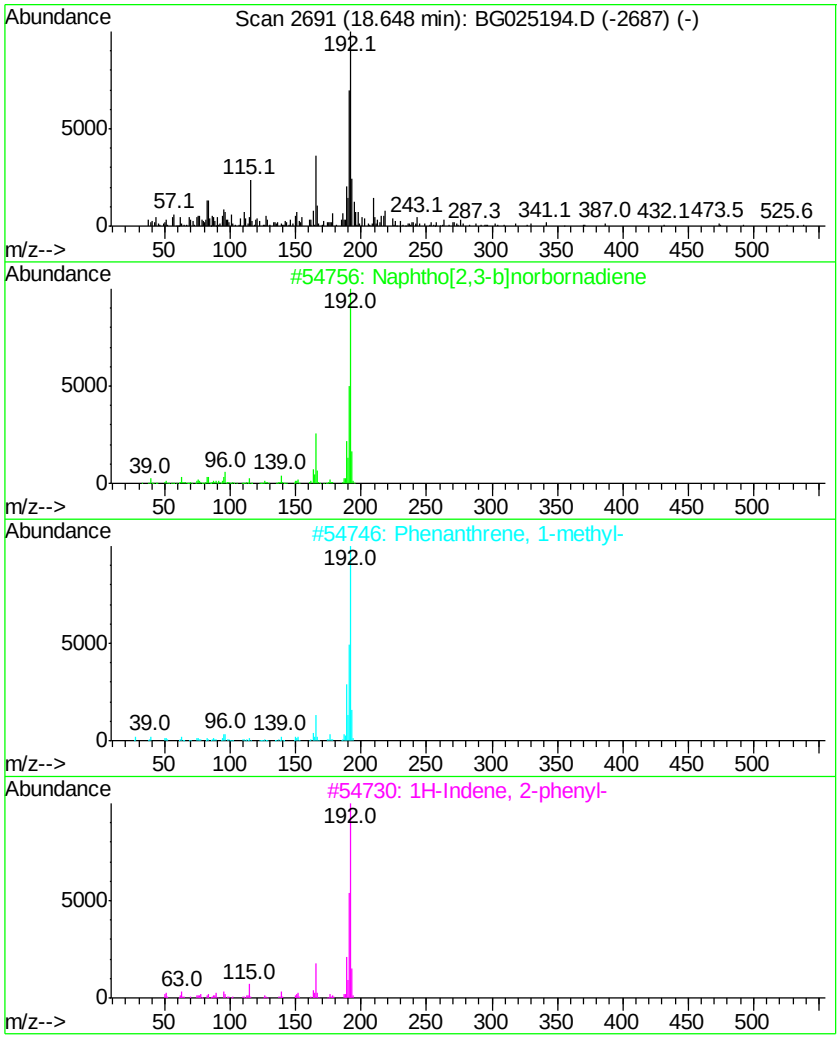
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

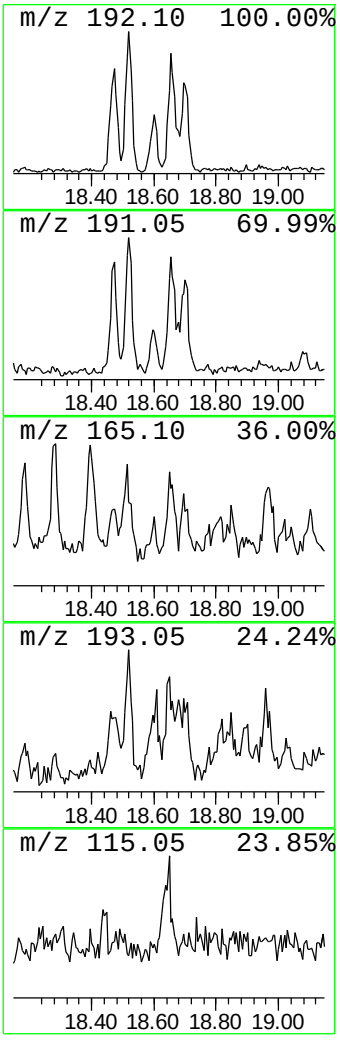
****

Peak Number 29 Naphtho[2,3-b]norbornadiene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	2.57 ng/ul	230774	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

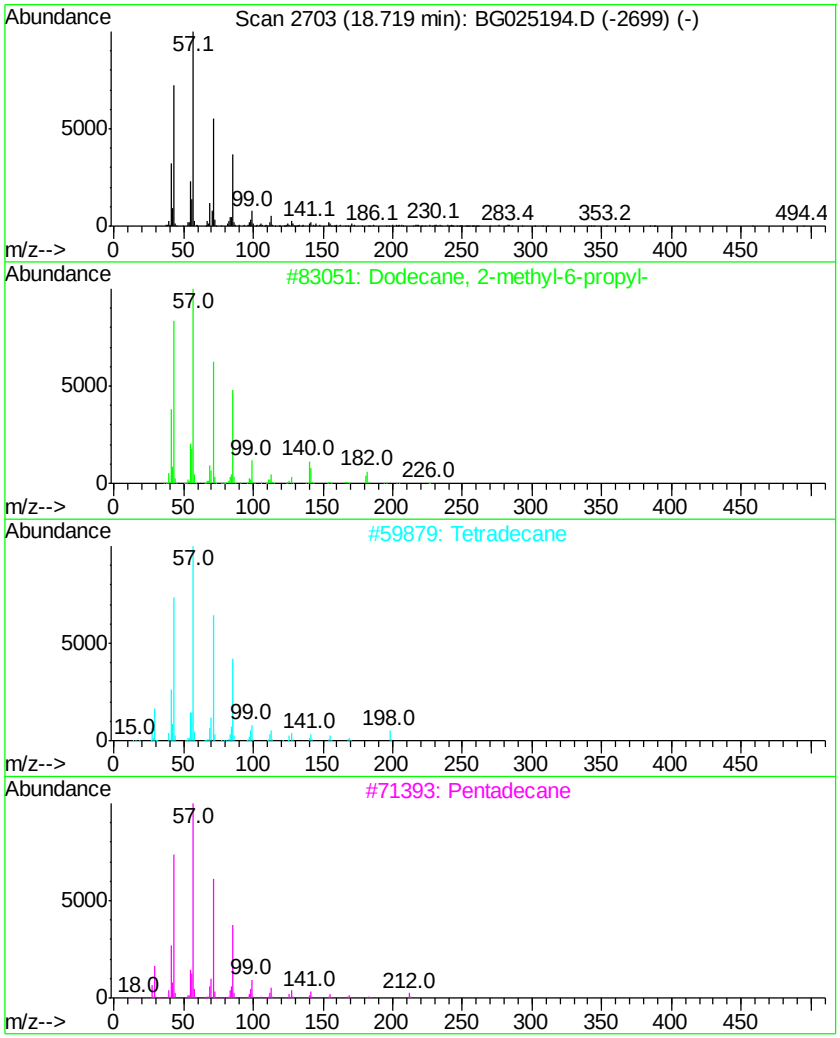
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

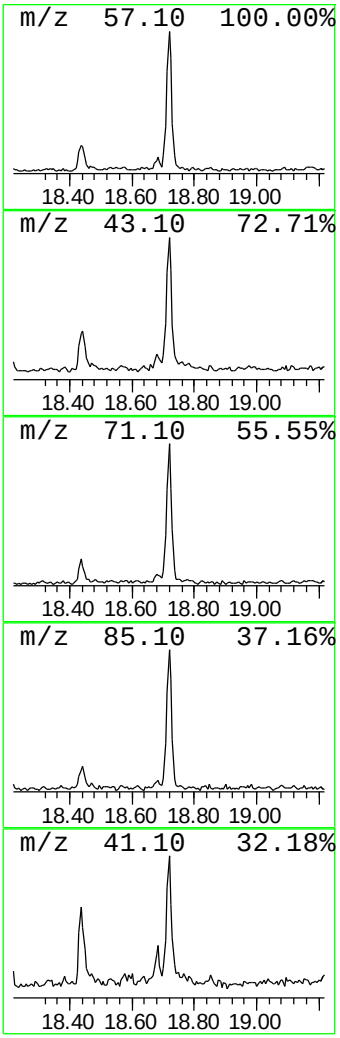
****

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	6.74 ng/ul	605867	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
2	Tetradecane	198	C14H30	000629-59-4	86
3	Pentadecane	212	C15H32	000629-62-9	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Hexadecane	226	C16H34	000544-76-3	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

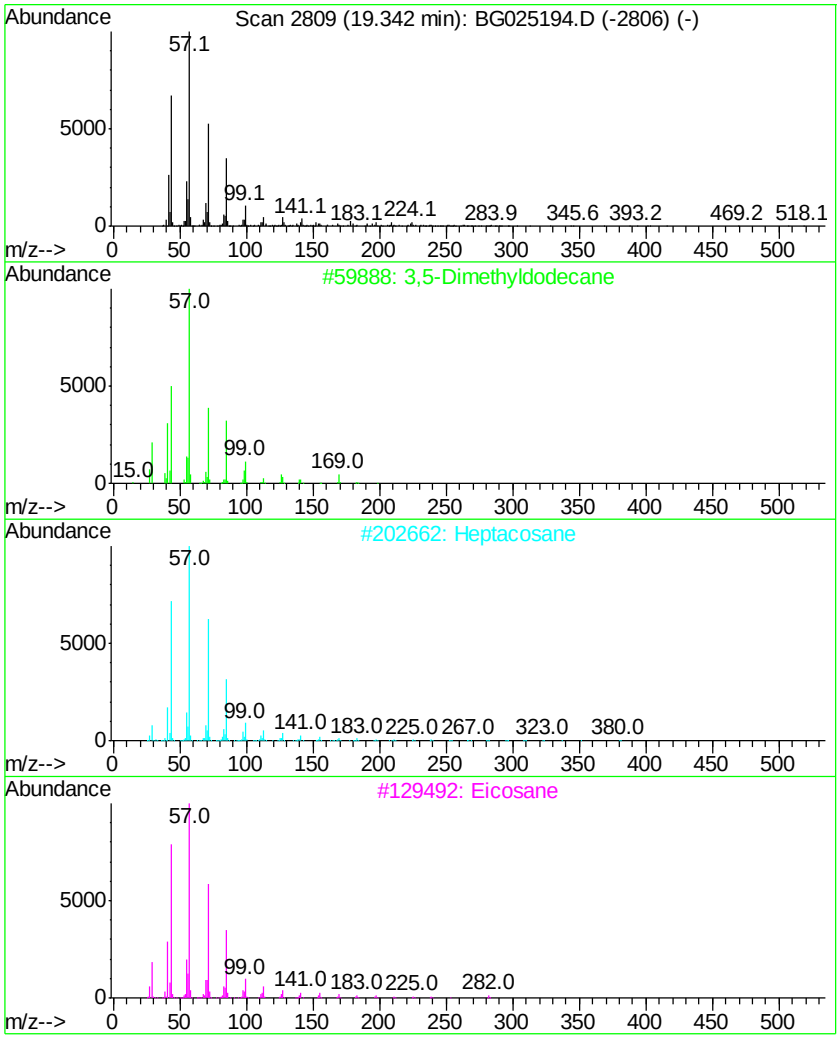
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

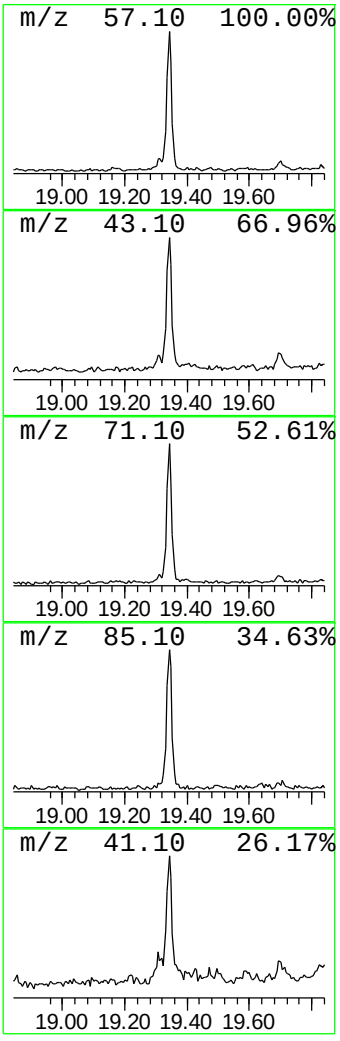
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	8.58 ng/ul	770877	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyldodecane	198	C14H30	107770-99-0	91
2	Heptacosane	380	C27H56	000593-49-7	91
3	Eicosane	282	C20H42	000112-95-8	90
4	Tetracosane	338	C24H50	000646-31-1	83
5	Heptadecane	240	C17H36	000629-78-7	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

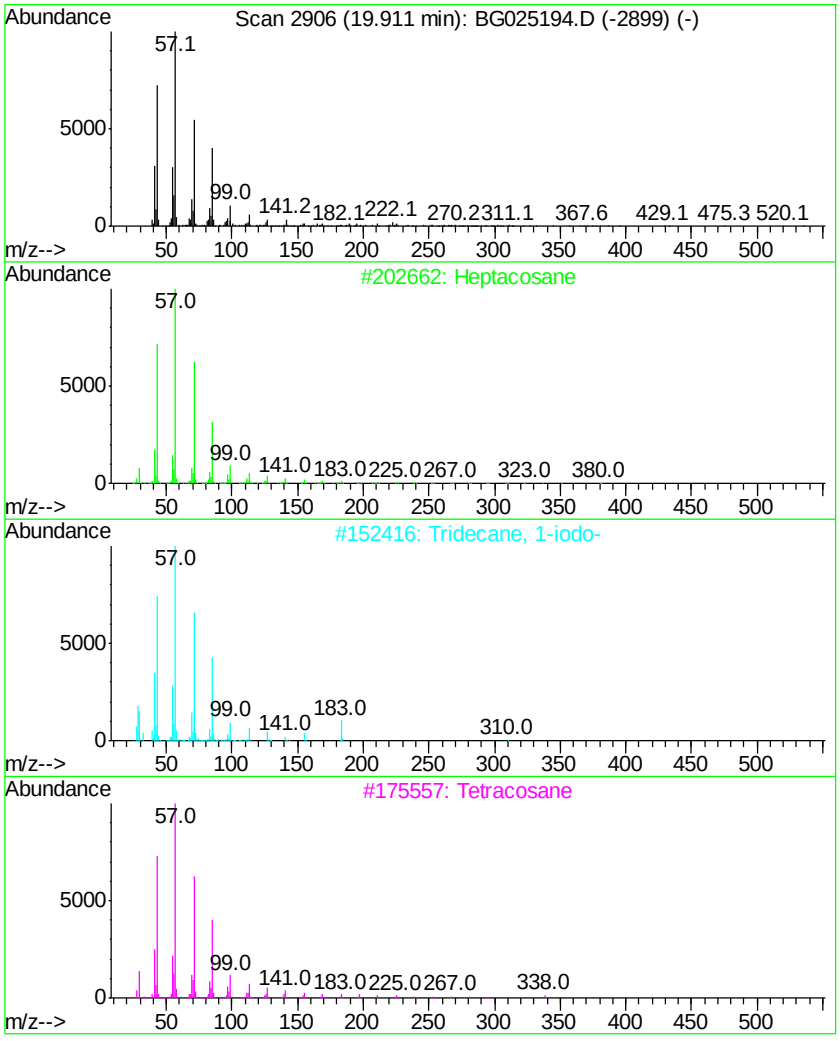
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

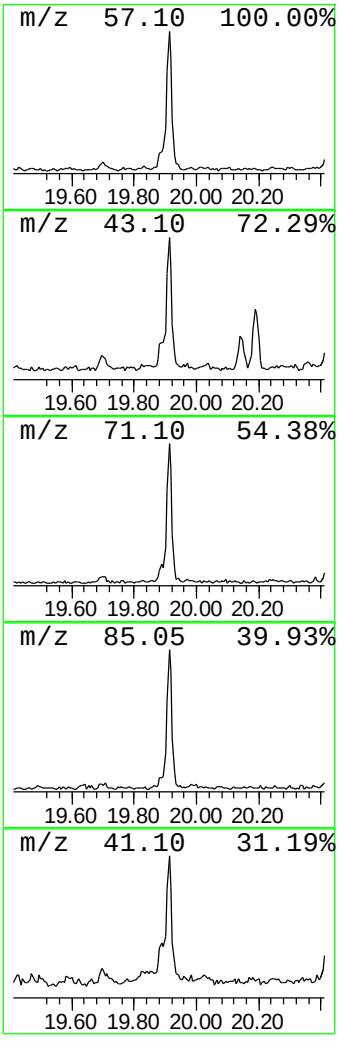
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	7.17 ng/ul	992734	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	94
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	94
3	Tetracosane	338	C24H50	000646-31-1	91
4	Octacosane	394	C28H58	000630-02-4	90
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

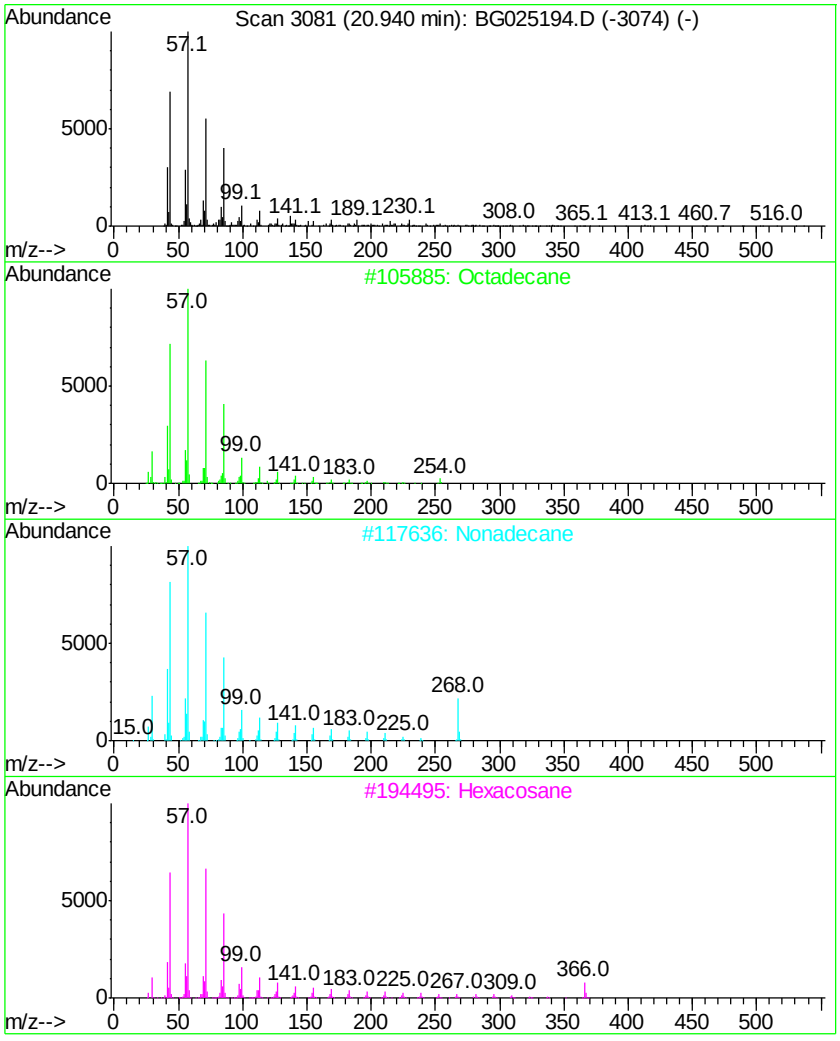
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

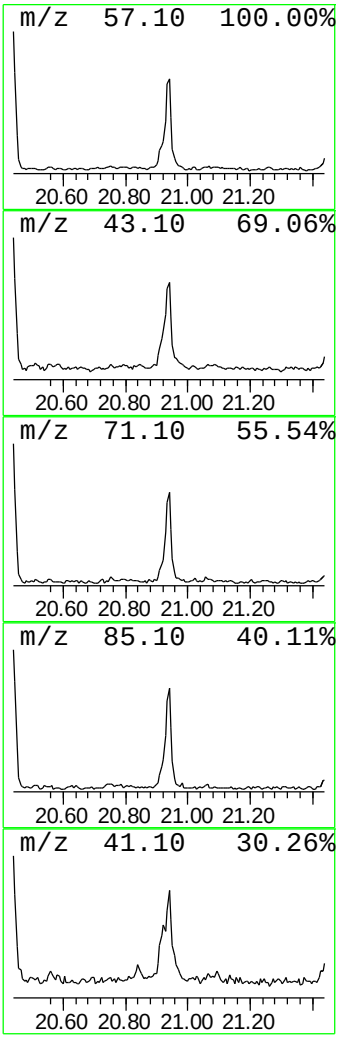
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	7.85 ng/ul	1085640	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Nonadecane	268	C19H40	000629-92-5	87
3	Hexacosane	366	C26H54	000630-01-3	87
4	Heptacosane	380	C27H56	000593-49-7	87
5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

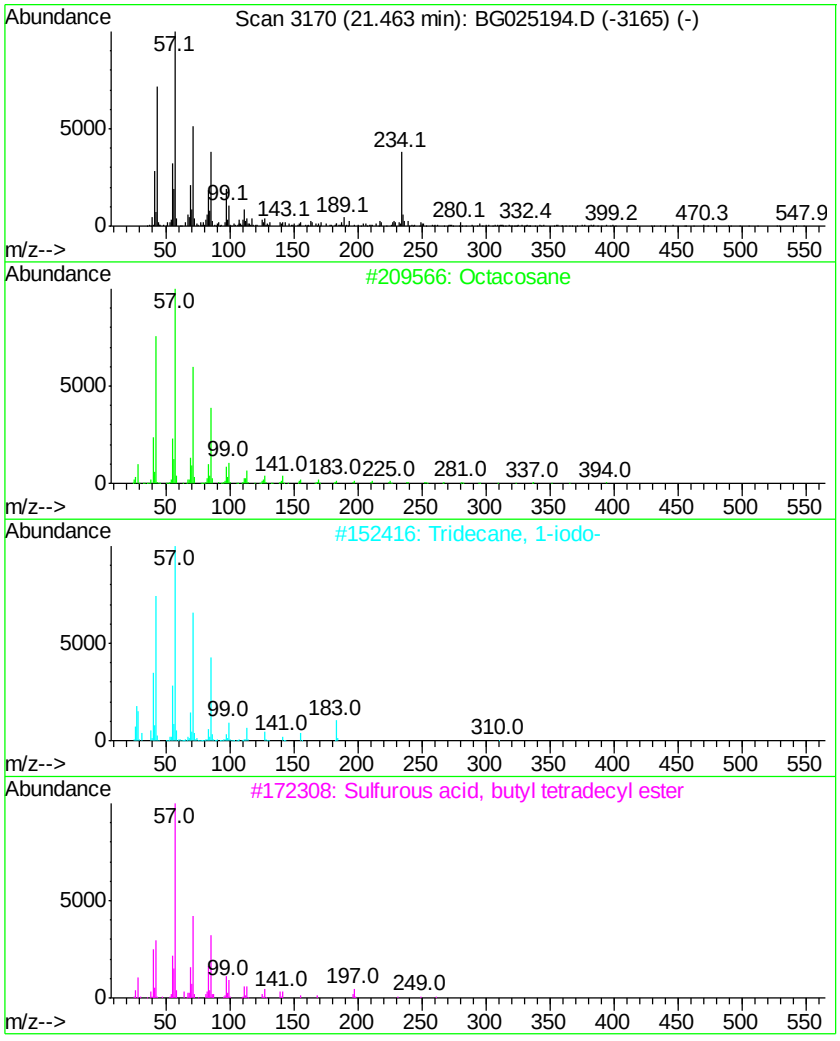
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

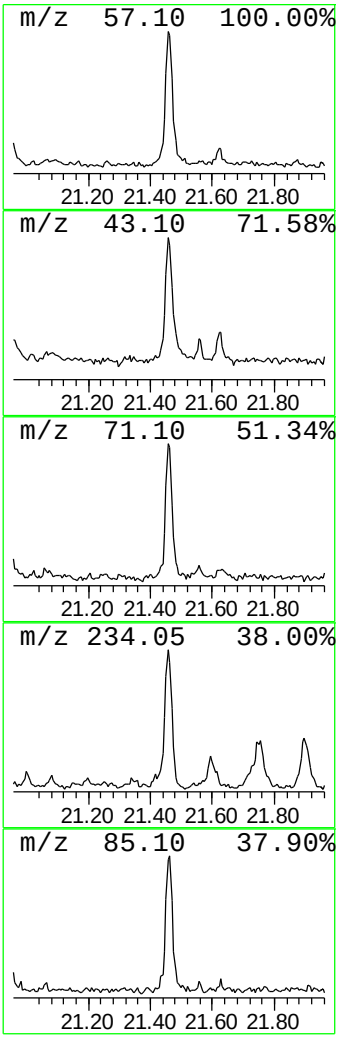
****

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	8.34 ng/ul	1154640	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	86
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	70
3	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	64
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	62
5	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

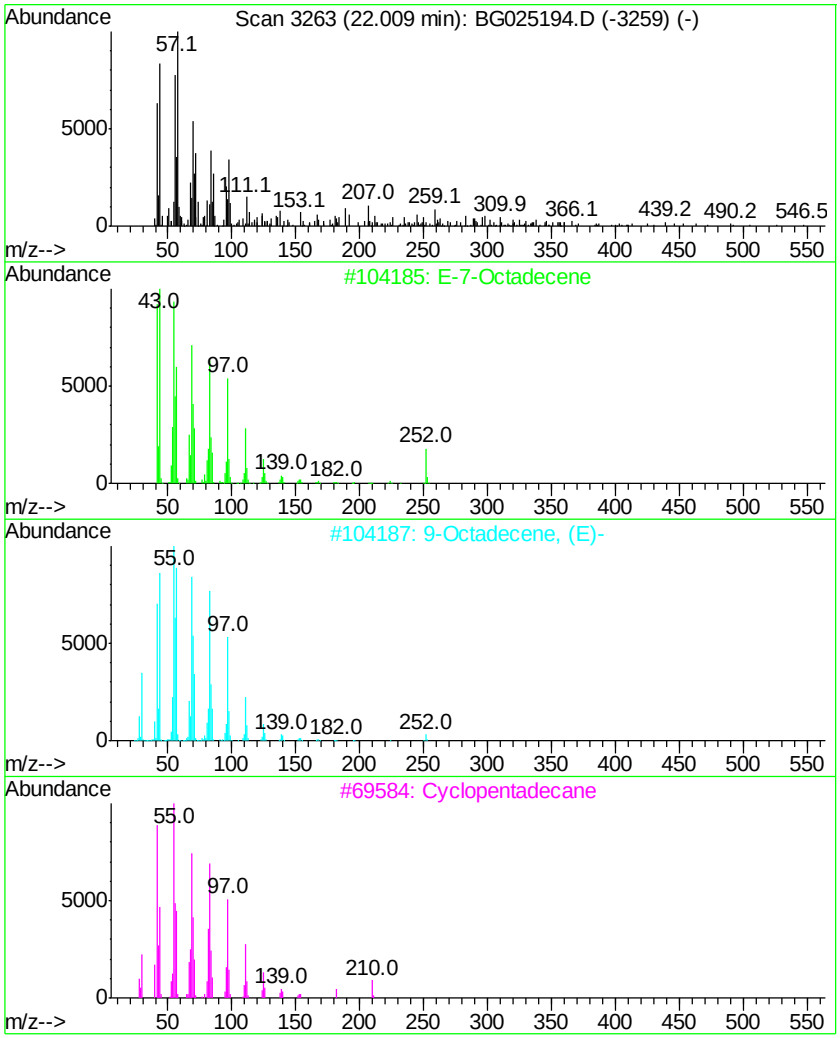
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

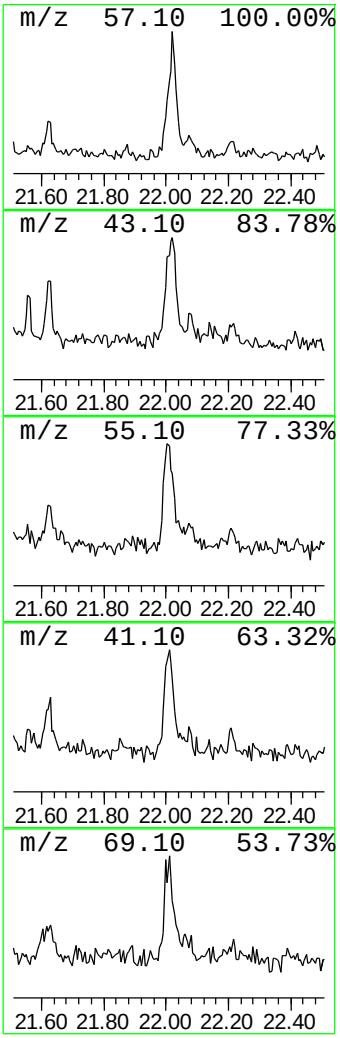
****

Peak Number 36 (DEL) Alkane: Cyclic22.01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.01	2.83 ng/ul	392257	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	E-7-Octadecene	252	C18H36	1000130-92-0	70
2	9-Octadecene, (E)-	252	C18H36	007206-25-9	70
3	Cyclopentadecane	210	C15H30	000295-48-7	70
4	2-Methyl-Z-4-tetradecene	210	C15H30	1000130-78-3	62
5	10-Heneicosene (c,t)	294	C21H42	095008-11-0	60





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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

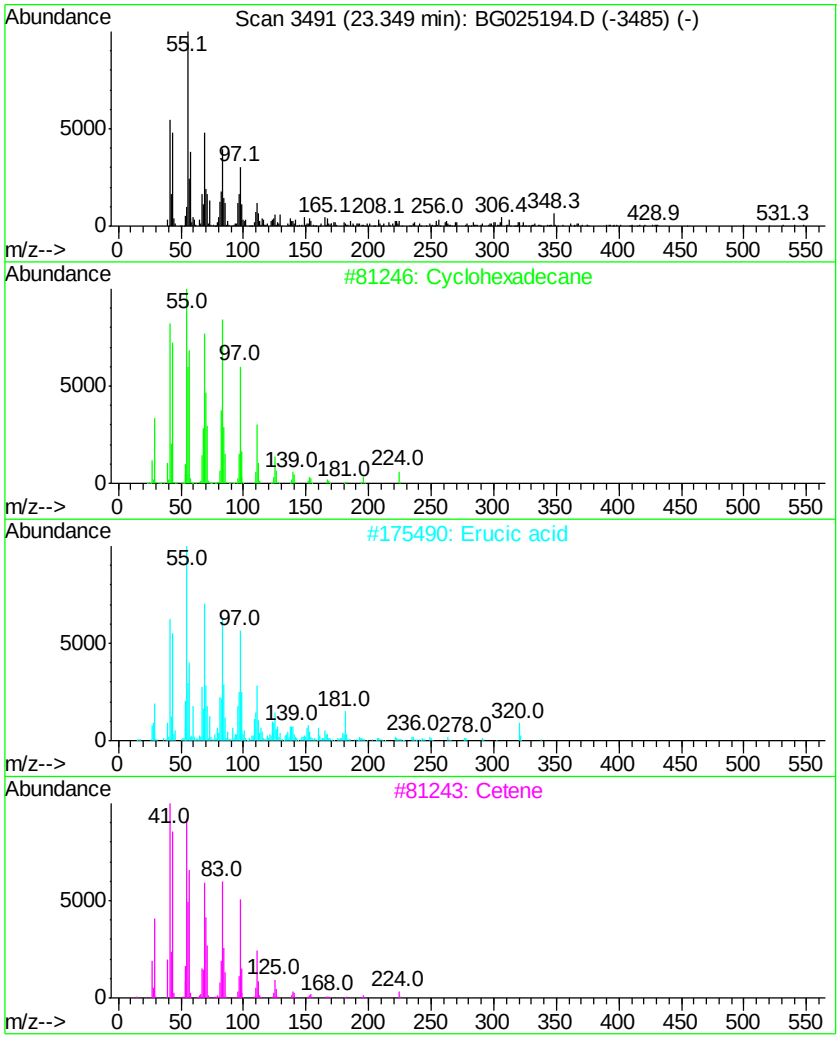
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

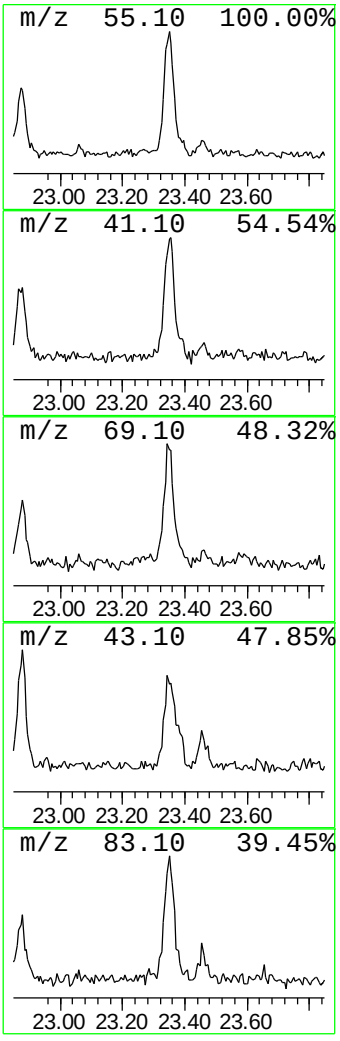
****

Peak Number 38 (DEL) Alkane: Cyclic23.25 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.35	8.03 ng/ul	1111710	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	93
2	Erucic acid	338	C22H42O2	000112-86-7	93
3	Cetene	224	C16H32	000629-73-2	93
4	1,1,1-Trifluoro-E-14-heptadecen-...	306	C17H29F3O	1000130-89-4	89
5	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025194.D
Acq On : 15 Dec 2016 2:51
Operator : UM/SJ
Sample : H5970-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA843

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
2-Pentanone, 4-hy...	5.30	3.7	ng/ul	108907	1	8.23	590750	20.0
unknown-01	7.85	3.1	ng/ul	91693	1	8.23	590750	20.0
unknown-02	8.84	4.9	ng/ul	145800	1	8.23	590750	20.0
Benzene, 1,4-dime...	12.20	2.7	ng/ul	115928	2	11.06	862505	20.0
(DEL) Alkane: Str...	12.41	4.2	ng/ul	181562	2	11.06	862505	20.0
1H-Indene, 1-ethy...	12.92	4.0	ng/ul	172664	2	11.06	862505	20.0
Phenol, 2-methoxy...	13.34	3.3	ng/ul	227651	3	14.86	1370620	20.0
(DEL) Alkane: Str...	13.64	2.3	ng/ul	160531	3	14.86	1370620	20.0
Naphthalene, 2,7-...	14.03	3.3	ng/ul	228562	3	14.86	1370620	20.0
(DEL) Alkane: Str...	14.70	3.0	ng/ul	208203	3	14.86	1370620	20.0
Phenol, 3-[(trime...	14.98	3.8	ng/ul	259034	3	14.86	1370620	20.0
Naphthalene, 2,3,...	15.61	4.5	ng/ul	306738	3	14.86	1370620	20.0
(DEL) Alkane: Str...	15.65	5.5	ng/ul	375369	3	14.86	1370620	20.0
4-Propyl-1,1'-dip...	15.77	9.4	ng/ul	647002	3	14.86	1370620	20.0
(DEL) Alkane: Str...	16.05	2.1	ng/ul	146897	3	14.86	1370620	20.0
Benzaldehyde, 4-h...	16.28	3.3	ng/ul	298585	4	17.60	1796770	20.0
(DEL) Alkane: Str...	16.50	10.6	ng/ul	956064	4	17.60	1796770	20.0
unknown-03	16.67	2.6	ng/ul	232521	4	17.60	1796770	20.0
Ethanone, 1-(4-hy...	16.87	6.6	ng/ul	594326	4	17.60	1796770	20.0
Naphthalene, 1,2,...	17.12	2.2	ng/ul	197659	4	17.60	1796770	20.0
(DEL) Alkane: Str...	17.30	3.8	ng/ul	338116	4	17.60	1796770	20.0
Perimidine, 2-ethyl-	17.43	2.1	ng/ul	184980	4	17.60	1796770	20.0
(DEL) Alkane: Str...	18.03	6.9	ng/ul	621646	4	17.60	1796770	20.0
Tridecanoic acid	18.44	4.5	ng/ul	400521	4	17.60	1796770	20.0
Phenanthrene, 1-m...	18.52	2.0	ng/ul	183287	4	17.60	1796770	20.0
Naphtho[2,3-b]nor...	18.65	2.6	ng/ul	230774	4	17.60	1796770	20.0
(DEL) Alkane: Str...	18.72	6.7	ng/ul	605867	4	17.60	1796770	20.0
(DEL) Alkane: Str...	19.34	8.6	ng/ul	770877	4	17.60	1796770	20.0
(DEL) Alkane: Str...	19.91	7.2	ng/ul	992734	5	21.90	2767700	20.0
(DEL) Alkane: Str...	20.94	7.8	ng/ul	1085640	5	21.90	2767700	20.0
(DEL) Alkane: Str...	21.46	8.3	ng/ul	1154640	5	21.90	2767700	20.0
(DEL) Alkane: Cyc...	22.01	2.8	ng/ul	392257	5	21.90	2767700	20.0
(DEL) Alkane: Cyc...	23.35	8.0	ng/ul	1111710	5	21.90	2767700	20.0