LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101716\
Data File : BG024406.D
Acq On : 18 Oct 2016 5:54
Operator : UM/SJ
Sample : H5241-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDND0

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-BG0100716.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.641	132	136	142	rVB4	35114	55226	1.06%	0.075%
2	4.193	227	230	235	rBV5	9825	15740	0.30%	0.022%
3	4.281	240	245	250	rBV9	12279	29504	0.57%	0.040%
4	4.410	263	267	273	rBV8	19131	39770	0.76%	0.054%
5	4.528	286	287	294	rBV5	12136	25402	0.49%	0.035%
6	4.663	306	310	313	rBV5	7352	12496	0.24%	0.017%
7	4.816	334	336	343	rVB7	8107	13191	0.25%	0.018%
8	6.038	538	544	545	rVB6	9407	14977	0.29%	0.020%
9	6.091	549	553	557	rBV7	10278	17924	0.34%	0.024%
10	6.161	563	565	570	rBV5	9656	15859	0.30%	0.022%
11	6.484	615	620	623	rVB7	10498	18721	0.36%	0.026%
12	7.413	769	778	789	rVB	710090	1337236	25.62%	1.827%
13	7.595	801	809	817	rBV	507642	859267	16.46%	1.174%
14	7.806	836	845	854	rBV	653090	1175819	22.53%	1.606%
15	8.282	918	926	938	rBV	792653	1443988	27.66%	1.973%
16	8.970	1034	1043	1055	rBV	928676	1605675	30.76%	2.194%
17	9.457	1116	1126	1133	rBV2	698617	1320505	25.30%	1.804%
18	9.822	1179	1188	1191	rVB8	11422	33321	0.64%	0.046%
19	9.845	1191	1192	1199	rBV6	8435	16192	0.31%	0.022%
20	10.180	1240	1249	1259	rBV	638791	1188930	22.78%	1.624%
21	10.421	1287	1290	1298	rVB7	8449	16954	0.32%	0.023%
22	10.715	1329	1340	1354	rBV2	925349	1745045	33.43%	2.384%
23	10.856	1359	1364	1370	rBV6	8430	15094	0.29%	0.021%
24	11.114	1400	1408	1416	rVV	1232800	2320962	44.47%	3.171%
25	11.238	1420	1429	1441	rBV	870103	1671525	32.02%	2.284%
26	11.473	1466	1469	1472	rBV5	9386	12491	0.24%	0.017%
27	11.672	1499	1503	1506	rBV5	9081	14600	0.28%	0.020%
28	11.837	1525	1531	1538	rBV10	12907	30949	0.59%	0.042%
29	12.195	1588	1592	1595	rBV4	6395	12493	0.24%	0.017%
30	12.430	1626	1632	1633	rBV5	6898	12868	0.25%	0.018%
31	12.677	1667	1674	1679	rBV8	22954	46219	0.89%	0.063%
32	13.053	1735	1738	1742	rVV4	11620	12636	0.24%	0.017%
33	13.259	1768	1773	1777	rBV7	8564	13831	0.26%	0.019%
34	13.482	1807	1811	1815	rBV6	10378	18010	0.35%	0.025%

LSC Area Percent Report

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Acq On : 18 Oct 2016 5:54
Operator : UM/SJ
Sample : H5241-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDND0

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-BG0100716.M
Title : SVOA CALIBRATION

35	13.764	1854	1859	1863	rVB5	50611	85203	1.63%	0.116%
36	13.823	1868	1869	1876	rVB6	7720	13737	0.26%	0.019%
37	14.293	1938	1949	1953	rBV	1881779	2901634	55.59%	3.964%
38	14.340	1953	1957	1963	rVB	747784	1071969	20.54%	1.464%
39	14.522	1982	1988	1989	rBV4	7952	13511	0.26%	0.018%
40	14.598	1993	2001	2011	rBV	1878009	3113202	59.64%	4.253%
41	14.716	2015	2021	2022	rBV5	9733	14169	0.27%	0.019%
42	14.757	2023	2028	2032	rVB5	20974	30543	0.59%	0.042%
43	14.898	2043	2052	2061	rVB	2252728	3652610	69.98%	4.990%
44	14.974	2062	2065	2071	rVB8	8438	13333	0.26%	0.018%
45	15.062	2071	2080	2091	rBV	996174	1672554	32.04%	2.285%
46	15.198	2099	2103	2108	rBV8	10706	15713	0.30%	0.021%
47	15.256	2108	2113	2117	rVV6	15131	24387	0.47%	0.033%
48	15.368	2125	2132	2137	rBV6	14348	21219	0.41%	0.029%
49	15.697	2182	2188	2194	rBV4	54123	89639	1.72%	0.122%
50	15.803	2200	2206	2211	rVB2	60477	95408	1.83%	0.130%
51	15.885	2211	2220	2228	rBV	2602875	4169108	79.87%	5.696%
52	15.985	2229	2237	2248	rVV	995625	1553529	29.76%	2.122%
53	16.120	2248	2260	2269	rVV	38370	117638	2.25%	0.161%
54	16.191	2271	2272	2277	rVB5	15521	15209	0.29%	0.021%
55	16.261	2277	2284	2286	rBV7	11754	27590	0.53%	0.038%
56	16.320	2291	2294	2298	rVB6	17263	21803	0.42%	0.030%
57	16.443	2314	2315	2321	rVB6	11434	15808	0.30%	0.022%
58	16.502	2321	2325	2328	rBV6	16968	23182	0.44%	0.032%
59	16.555	2330	2334	2347	rVB2	74817	147035	2.82%	0.201%
60	16.837	2377	2382	2388	rBV10	25771	51410	0.98%	0.070%
61	16.890	2388	2391	2395	rBV6	15028	24246	0.46%	0.033%
62	16.990	2404	2408	2413	rBV8	38766	48614	0.93%	0.066%
63	17.042	2414	2417	2424	rVB5	51767	78563	1.51%	0.107%
64	17.189	2440	2442	2444	rBV3	12179	12918	0.25%	0.018%
65	17.360	2464	2471	2479	rBV4	153508	325953	6.24%	0.445%
66	17.636	2510	2518	2528	rBV2	2664386	4457575	85.40%	6.090%
67	17.736	2528	2535	2548	rVB	2787027	4444119	85.14%	6.071%
68	17.889	2556	2561	2563	rBV6	15605	18462	0.35%	0.025%
69	17.977	2570	2576	2588	rBV	506345	813265	15.58%	1.111%
70	18.082	2592	2594	2597	rBV4	14797	16081	0.31%	0.022%
71	18.118	2597	2600	2606	rVB3	58686	80340	1.54%	0.110%

LSC Area Percent Report

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Acq On : 18 Oct 2016 5:54
Operator : UM/SJ
Sample : H5241-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDND0

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-BG0100716.M
Title : SVOA CALIBRATION

72	18.359	2636	2641	2649	rBV3	42286	83017	1.59%	0.113%
73	18.441	2651	2655	2657	rBV4	33313	42037	0.81%	0.057%
74	18.482	2657	2662	2687	rVB	1146105	1752101	33.57%	2.394%
75	18.899	2730	2733	2737	rVB6	27881	30974	0.59%	0.042%
76	18.964	2742	2744	2746	rVB3	20355	18721	0.36%	0.026%
77	19.046	2752	2758	2764	rBV5	48131	72339	1.39%	0.099%
78	19.134	2771	2773	2777	rBV4	21495	24416	0.47%	0.033%
79	19.334	2802	2807	2825	rBV2	406824	767731	14.71%	1.049%
80	19.622	2847	2856	2868	rBV9	113667	348828	6.68%	0.477%
81	19.739	2870	2876	2888	rBV	1025891	1389712	26.62%	1.899%
82	19.827	2888	2891	2898	rVB4	63248	94868	1.82%	0.130%
83	19.898	2898	2903	2907	rBV4	46292	84842	1.63%	0.116%
84	20.010	2915	2922	2932	rBV	3273963	4972220	95.26%	6.793%
85	20.086	2932	2935	2941	rVB8	39838	61885	1.19%	0.085%
86	20.521	3006	3009	3016	rVB7	59738	80698	1.55%	0.110%
87	20.762	3048	3050	3055	rBV5	37672	54161	1.04%	0.074%
88	21.167	3115	3119	3126	rVB6	79071	128901	2.47%	0.176%
89	21.520	3174	3179	3194	rVB2	493092	934769	17.91%	1.277%
90	21.666	3199	3204	3212	rVB3	452818	731654	14.02%	1.000%
91	21.784	3220	3224	3228	rVB3	106759	166268	3.19%	0.227%
92	21.937	3242	3250	3258	rBV	2935063	5064200	97.02%	6.918%
93	22.977	3422	3427	3434	rVB10	101968	208819	4.00%	0.285%
94	23.147	3451	3456	3462	rVB9	83320	169882	3.25%	0.232%
95	23.464	3504	3510	3518	rVB5	213197	397969	7.62%	0.544%
96	23.682	3541	3547	3556	rVB	322019	630521	12.08%	0.861%
97	24.334	3654	3658	3666	rVB9	60152	136801	2.62%	0.187%
98	25.139	3784	3795	3807	rBV3	1551616	4778263	91.54%	6.528%
99	25.380	3824	3836	3848	rBV2	1662788	5219679	100.00%	7.131%
100	26.578	4032	4040	4051	rVB10	84598	277545	5.32%	0.379%

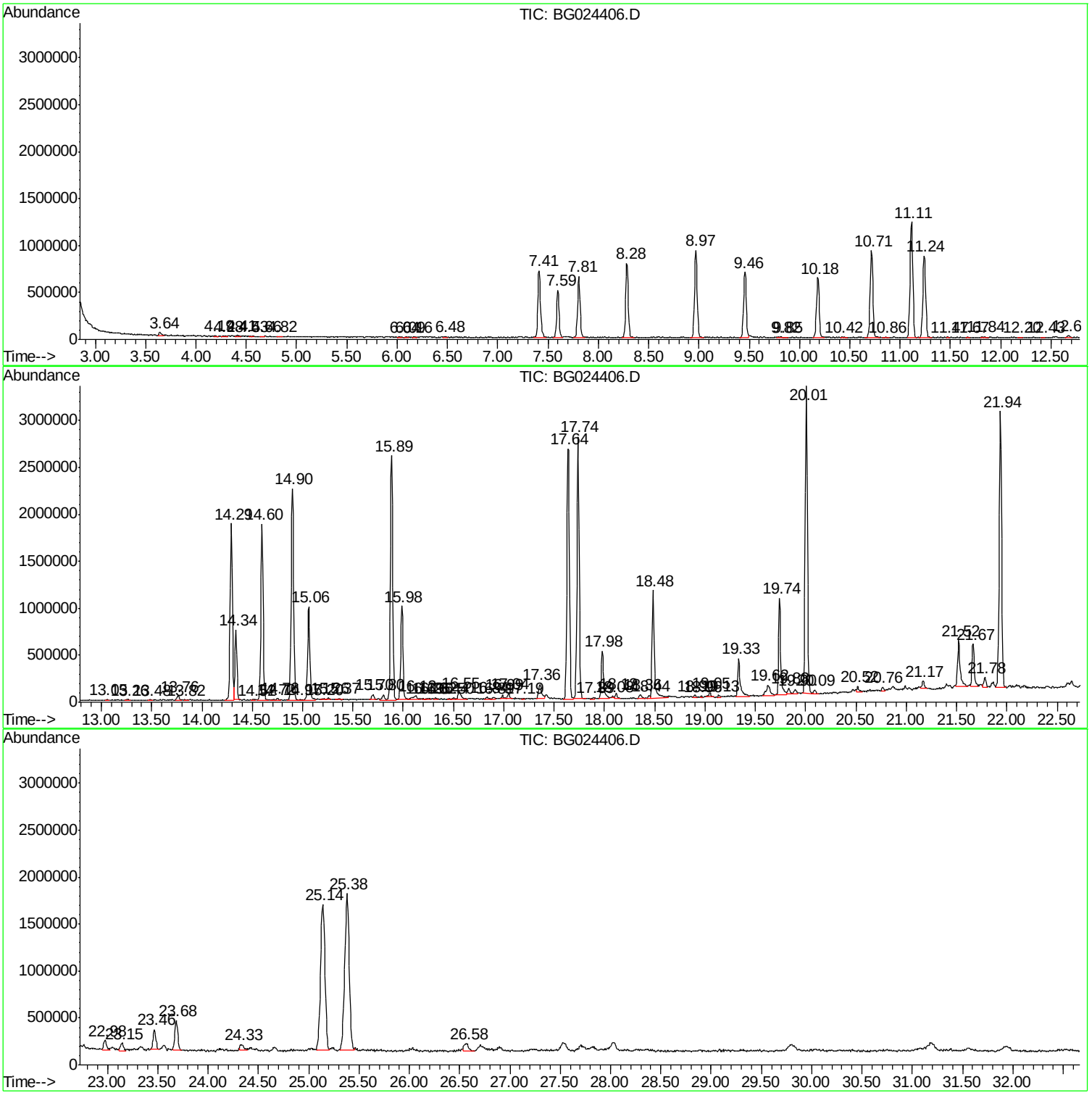
Sum of corrected areas: 73198520

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101716\
Data File : BG024406.D
Acq On : 18 Oct 2016 5:54
Operator : UM/SJ
Sample : H5241-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDND0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

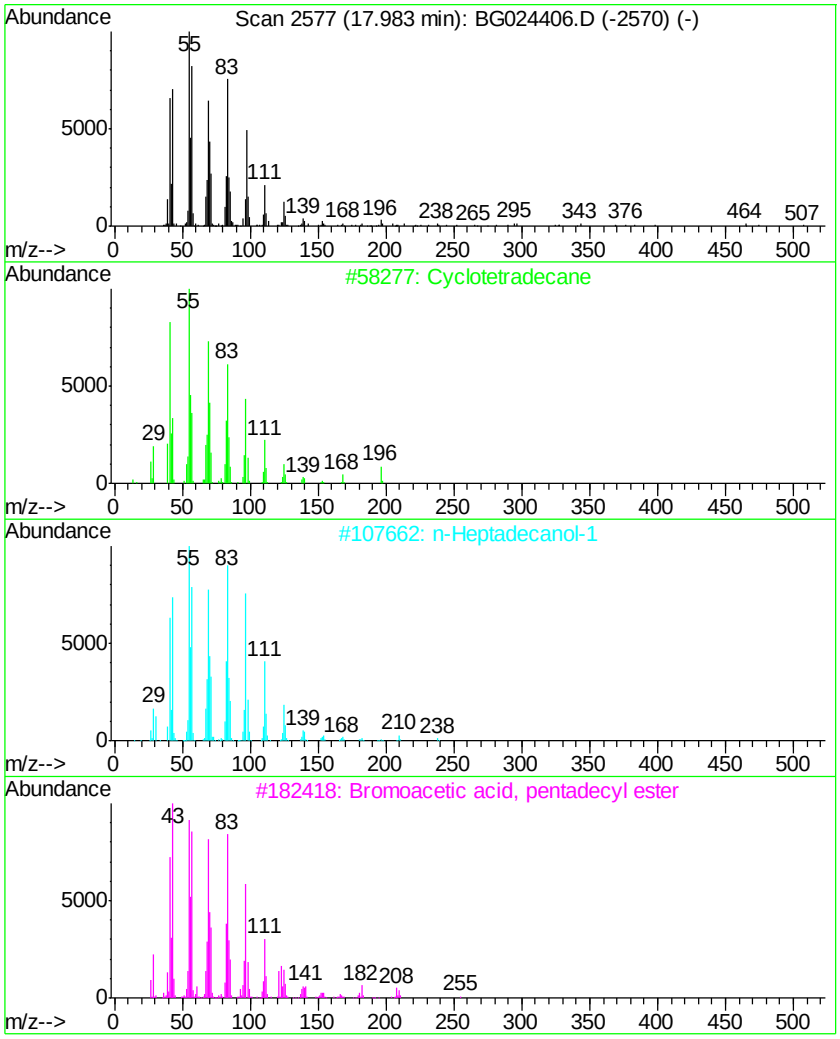
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

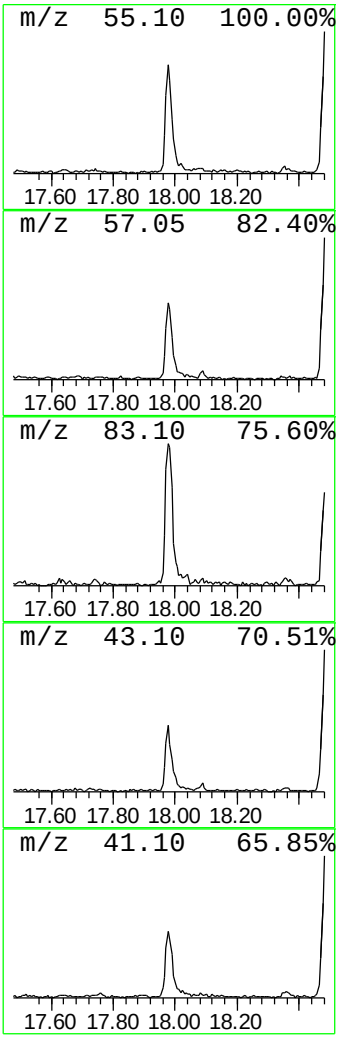
****

Peak Number 1 (DEL) Alkane: Cyclic17.98 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	3.65 ng/ul	813265	Phenanthrene-d10	17.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	95
2	n-Heptadecanol-1	256	C17H36O	001454-85-9	91
3	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	91
4	3-Octadecene, (E)-	252	C18H36	007206-19-1	91
5	1-Hexadecanol	242	C16H34O	036653-82-4	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101716\
Data File : BG024406.D
Acq On : 18 Oct 2016 5:54
Operator : UM/SJ
Sample : H5241-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDND0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

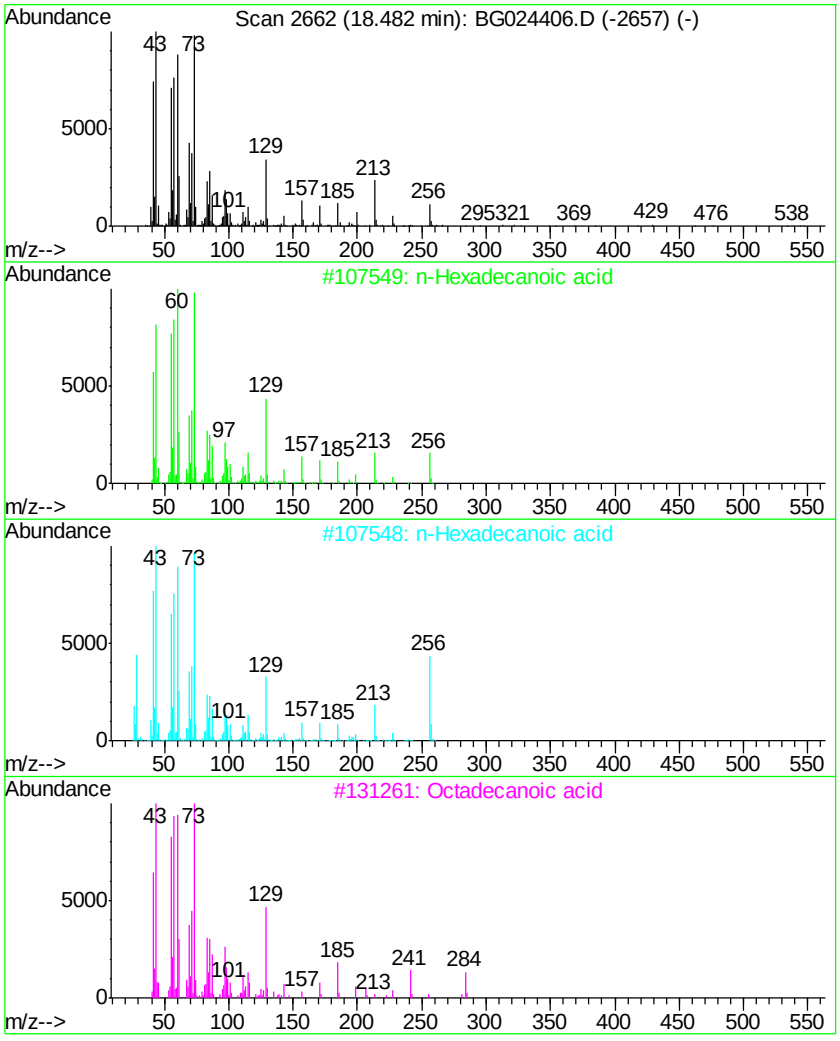
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

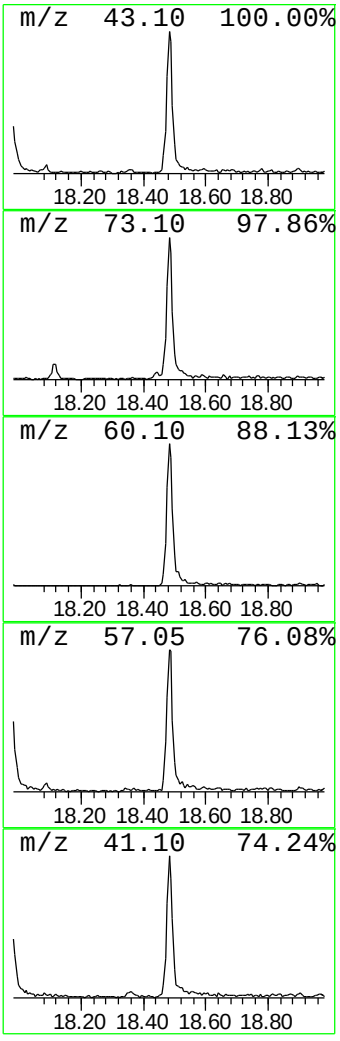
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	7.86 ng/ul	1752100	Phenanthrene-d10	17.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	Octadecanoic acid	284	C18H36O2	000057-11-4	76
4	Tridecanoic acid	214	C13H26O2	000638-53-9	76
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101716\
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Acq On : 18 Oct 2016 5:54
Operator : UM/SJ
Sample : H5241-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDND0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

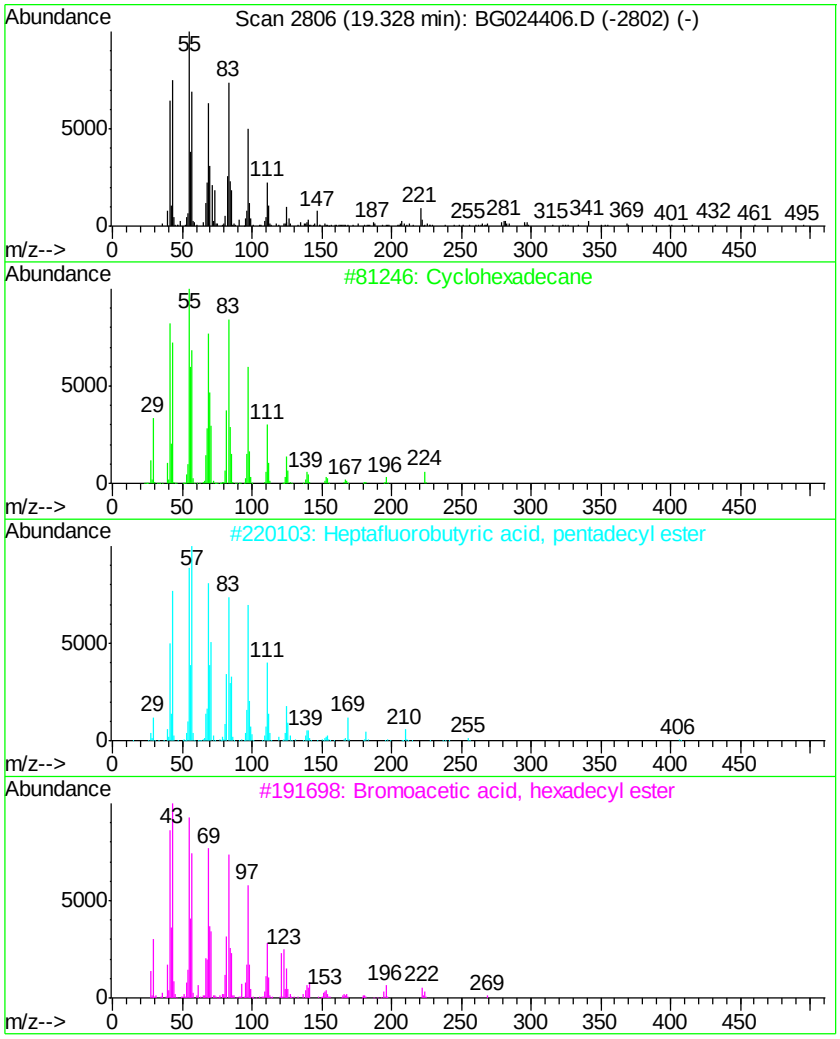
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

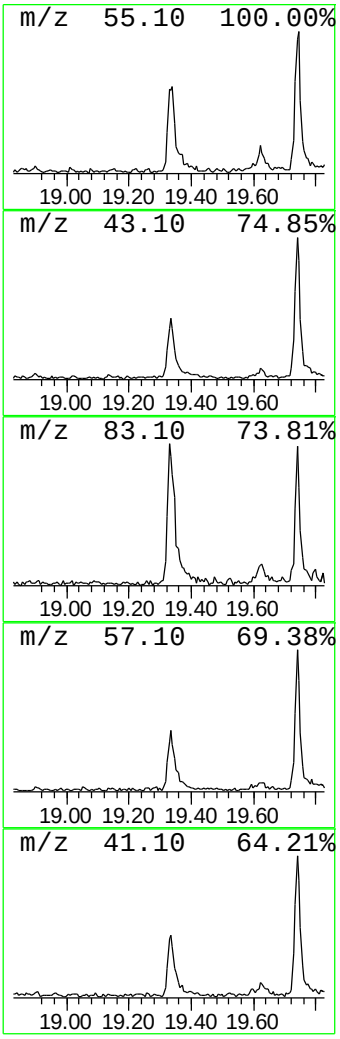
****

Peak Number 3 (DEL) Alkane: Cyclic19.33 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	3.44 ng/ul	767731	Phenanthrene-d10	17.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	93
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
3	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	91
4	1-Eicosanol	298	C20H42O	000629-96-9	91
5	E-15-Heptadecenal	252	C17H32O	1000130-97-9	90





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Data File : BG024406.D
Acq On : 18 Oct 2016 5:54
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Sample : H5241-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDND0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

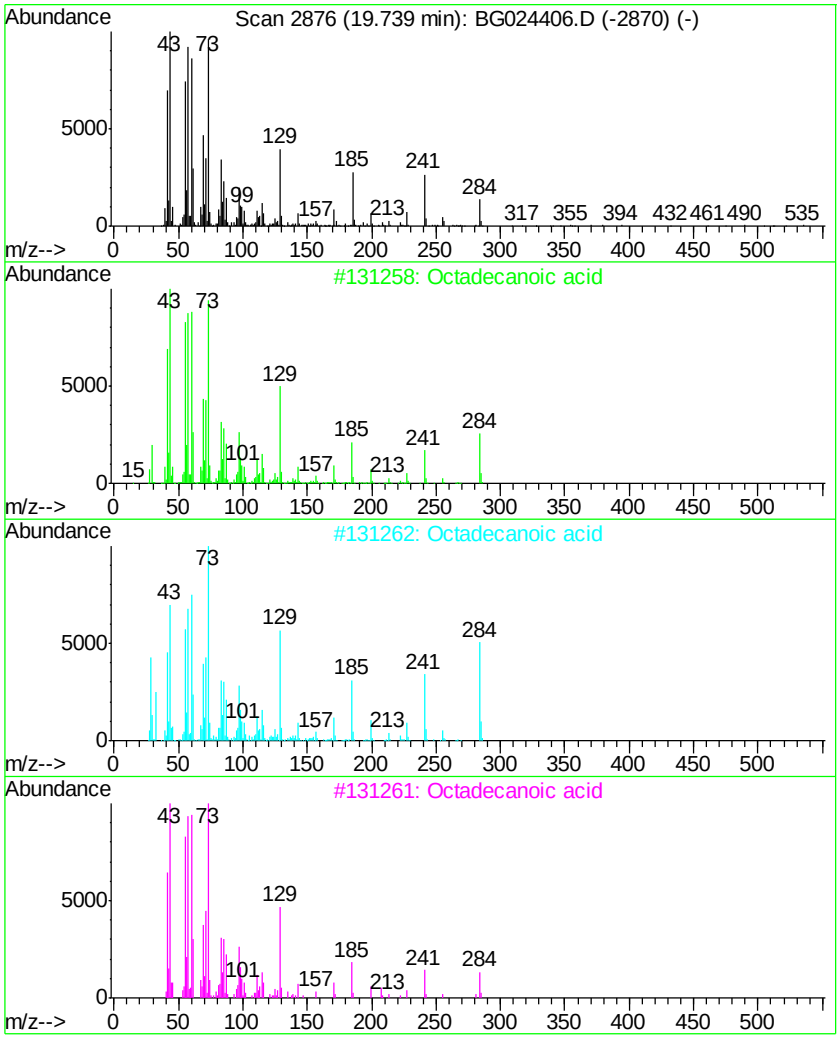
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

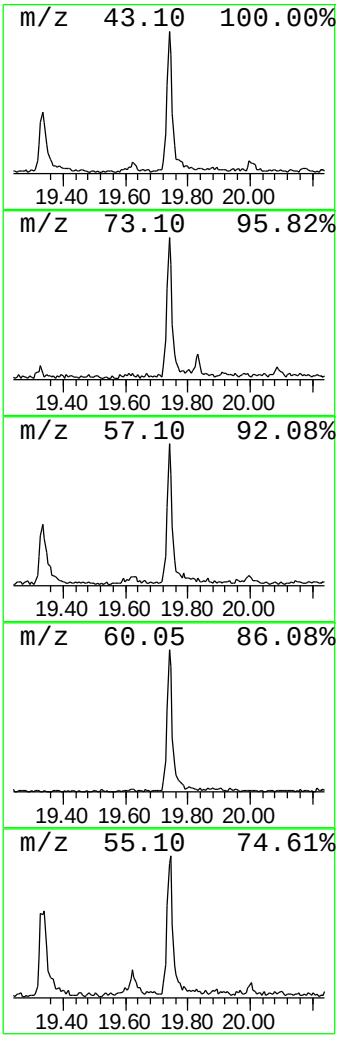
****

Peak Number 4 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	6.24 ng/ul	1389710	Phenanthrene-d10	17.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Octadecanoic acid	284	C18H36O2	000057-11-4	97
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
5	Octadecanoic acid	284	C18H36O2	000057-11-4	86





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Acq On : 18 Oct 2016 5:54
Operator : UM/SJ
Sample : H5241-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDND0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

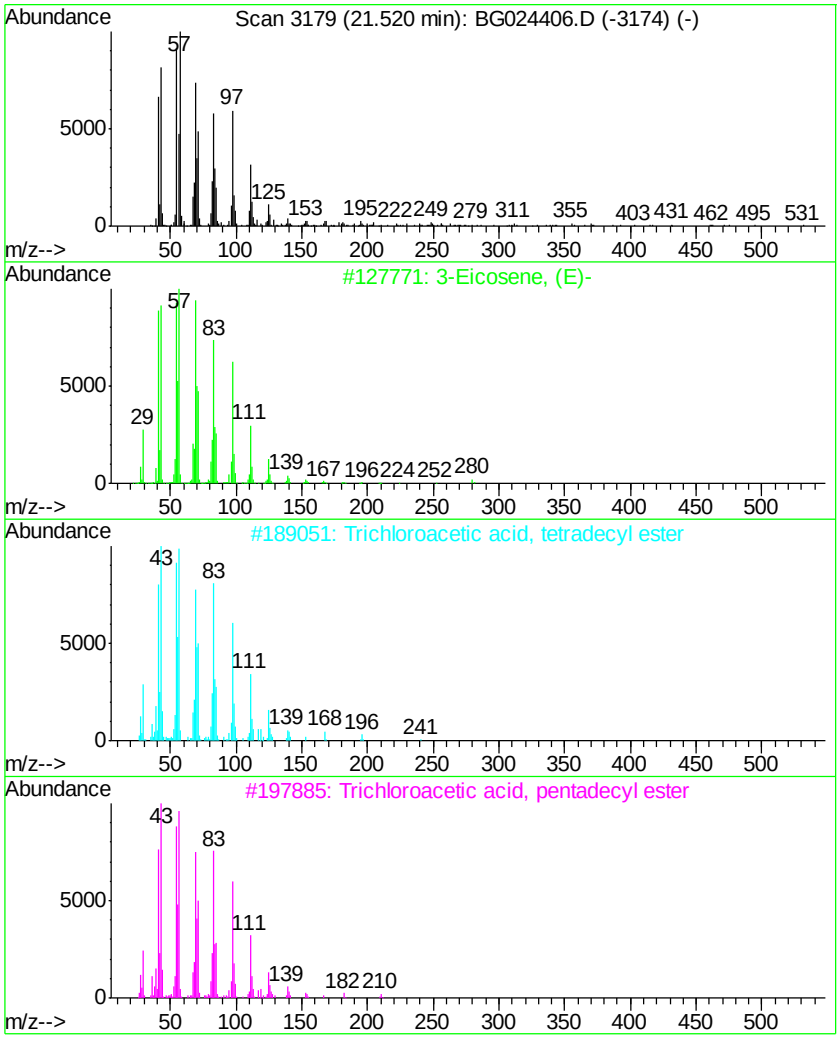
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

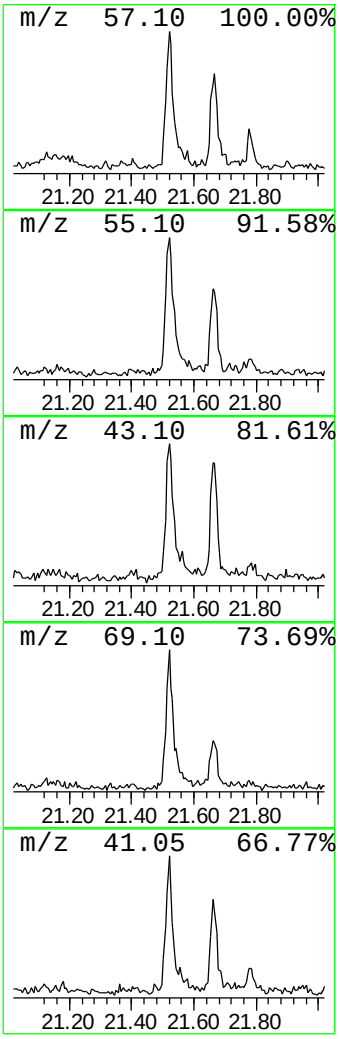
****

Peak Number 5 (DEL) Alkane: Cyclic21.52 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	3.69 ng/ul	934769	Chrysene-d12	21.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
2	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	94
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
4	1-Nonadecene	266	C19H38	018435-45-5	93
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG101716\
Data File : BG024406.D
Acq On : 18 Oct 2016 5:54
Operator : UM/SJ
Sample : H5241-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDND0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

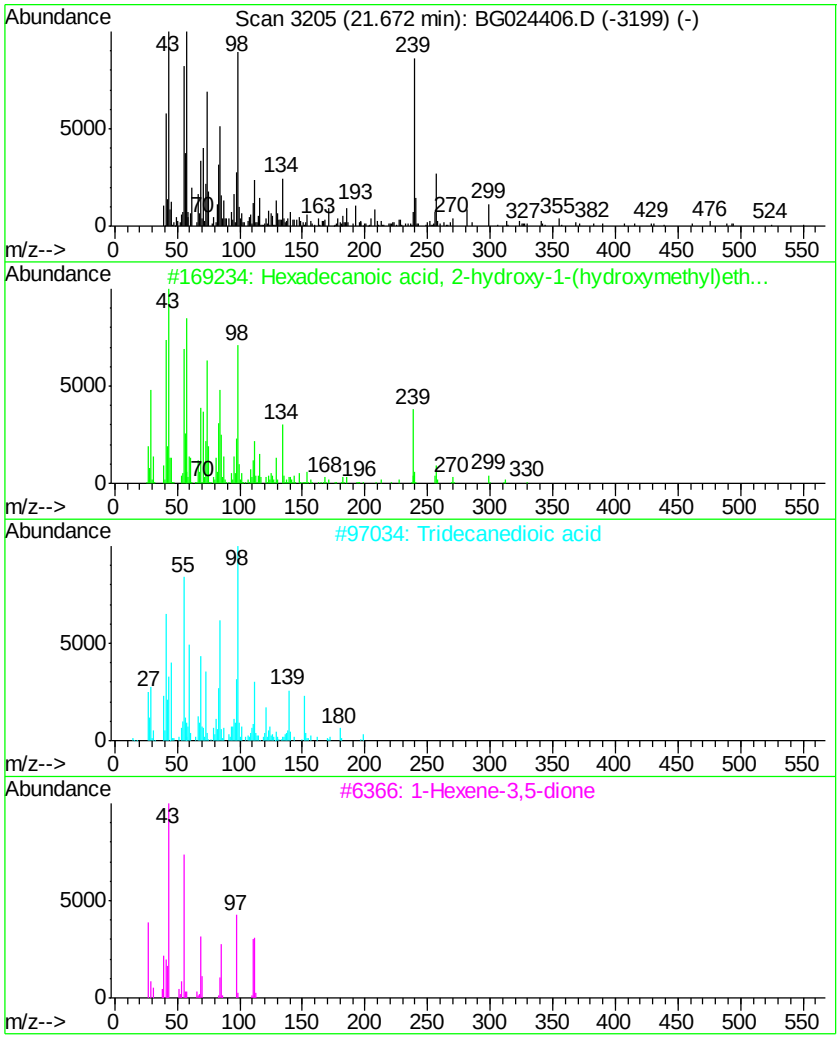
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

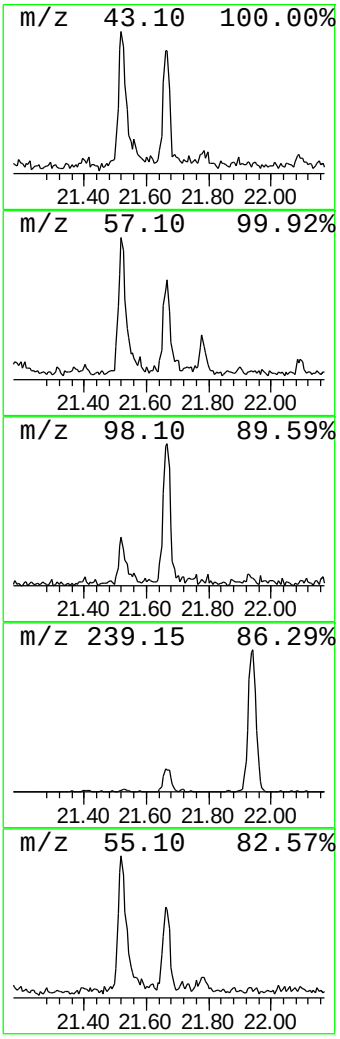
****

Peak Number 6 Hexadecanoic acid, 2-hydrox... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.67	2.89 ng/ul	731654	Chrysene-d12	21.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 2-hydroxy-1-(...	330	C19H38O4	023470-00-0	49
2	Tridecanedioic acid	244	C13H24O4	000505-52-2	46
3	1-Hexene-3,5-dione	112	C6H8O2	052204-69-0	25
4	Acetonitrile, isothiocyanato-	98	C3H2N2S	032772-75-1	20
5	1-Hexadecanethiol	258	C16H34S	002917-26-2	15





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101716\
Data File : BG024406.D
Acq On : 18 Oct 2016 5:54
Operator : UM/SJ
Sample : H5241-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDND0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

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

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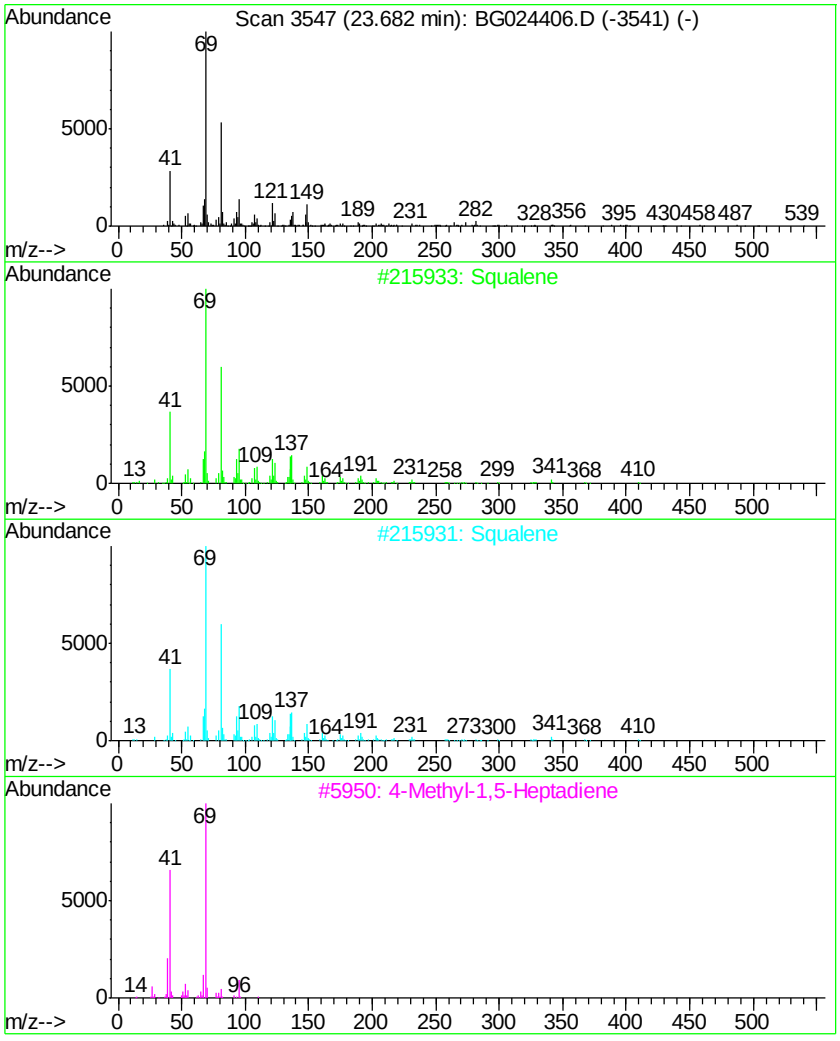
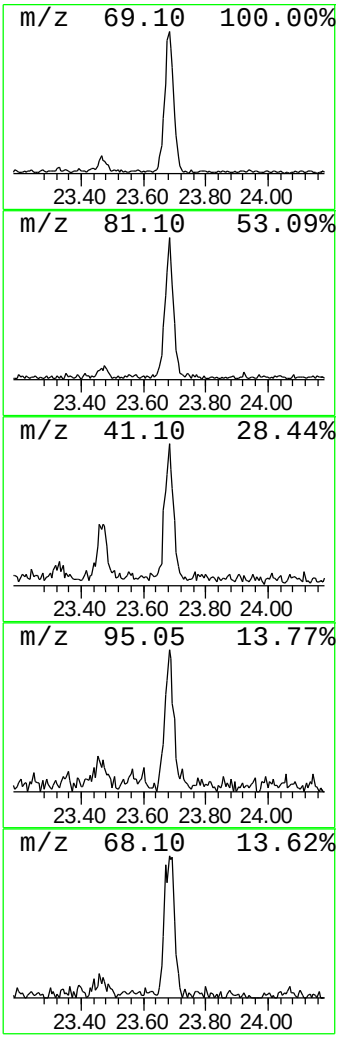
Peak Number 7 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.68	2.42 ng/ul	630521	Perylene-d12	25.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	64
2	Squalene	410	C30H50	000111-02-4	64
3	4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	58
4	2,6-Octadiene, 2,6-dimethyl-	138	C10H18	002792-39-4	53
5	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101716\
Data File : BG024406.D
Acq On : 18 Oct 2016 5:54
Operator : UM/SJ
Sample : H5241-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BDND0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.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
(DEL) Alkane: Cyc...	17.98	3.6	ng/ul	813265	4	17.64	4457580	20.0
n-Hexadecanoic acid	18.48	7.9	ng/ul	1752100	4	17.64	4457580	20.0
(DEL) Alkane: Cyc...	19.33	3.4	ng/ul	767731	4	17.64	4457580	20.0
Octadecanoic acid	19.74	6.2	ng/ul	1389710	4	17.64	4457580	20.0
(DEL) Alkane: Cyc...	21.52	3.7	ng/ul	934769	5	21.94	5064200	20.0
Hexadecanoic acid...	21.67	2.9	ng/ul	731654	5	21.94	5064200	20.0
Squalene	23.68	2.4	ng/ul	630521	6	25.38	5219680	20.0