LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102115\
Data File : BG019304.D
Acq On : 22 Oct 2015 6:12
Operator : UM/NP
Sample : G4074-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JG9H6

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-BG101515.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	3.078	36	41	49	rBV	43513	84938	9.01%	1.552%
2	3.154	49	54	65	rVB	245655	364161	38.65%	6.655%
3	4.071	203	210	212	rBV5	3072	4189	0.44%	0.077%
4	5.093	378	384	389	rBV	9277	14933	1.58%	0.273%
5	5.187	393	400	406	rBV5	1425	3554	0.38%	0.065%
6	5.317	412	422	427	rBV6	3400	9660	1.03%	0.177%
7	5.469	442	448	450	rBV4	1836	3539	0.38%	0.065%
8	5.828	504	509	513	rBV3	2536	3811	0.40%	0.070%
9	6.033	534	544	548	rBV4	2988	5814	0.62%	0.106%
10	6.392	600	605	610	rBV	10636	17270	1.83%	0.316%
11	6.674	646	653	658	rVB3	5768	10864	1.15%	0.199%
12	6.856	679	684	694	rVB4	8984	17233	1.83%	0.315%
13	6.973	698	704	706	rBV3	2407	3828	0.41%	0.070%
14	7.015	706	711	714	rBV3	2937	4583	0.49%	0.084%
15	7.167	731	737	744	rVB	45188	74372	7.89%	1.359%
16	7.314	755	762	766	rBV	32079	52067	5.53%	0.951%
17	7.349	766	768	773	rVB4	5358	7355	0.78%	0.134%
18	7.438	776	783	786	rBV5	3140	5627	0.60%	0.103%
19	7.526	792	798	805	rBV2	46793	76172	8.08%	1.392%
20	7.984	867	876	884	rBV	105801	188912	20.05%	3.452%
21	8.337	932	936	937	rBV3	4649	6543	0.69%	0.120%
22	8.372	938	942	947	rVB	12487	20597	2.19%	0.376%
23	8.542	966	971	973	rBV4	2009	3414	0.36%	0.062%
24	8.577	974	977	983	rVB4	5506	8548	0.91%	0.156%
25	8.707	993	999	1006	rBV	54590	91848	9.75%	1.678%
26	8.777	1006	1011	1014	rBV4	2746	4902	0.52%	0.090%
27	9.065	1056	1060	1065	rBV6	2223	4479	0.48%	0.082%
28	9.147	1067	1074	1081	rBV	45991	84218	8.94%	1.539%
29	9.200	1081	1083	1087	rVB4	2305	3215	0.34%	0.059%
30	9.300	1095	1100	1108	rVB6	3956	8253	0.88%	0.151%
31	9.688	1160	1166	1170	rBV3	8616	15561	1.65%	0.284%
32	9.870	1191	1197	1204	rBV2	39970	69754	7.40%	1.275%
33	10.117	1231	1239	1244	rBV3	4658	7975	0.85%	0.146%
34	10.340	1273	1277	1285	rBV6	2356	4481	0.48%	0.082%

LSC Area Percent Report

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Data File : BG019304.D
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Operator : UM/NP
Sample : G4074-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JG9H6

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-BG101515.M
Title : SVOA CALIBRATION

35	10.422	1285	1291	1299	rVB	60377	107334	11.39%	1.961%
36	10.563	1312	1315	1323	rBV5	2440	4356	0.46%	0.080%
37	10.793	1343	1354	1362	rBV	147548	262059	27.81%	4.789%
38	10.875	1362	1368	1373	rVV6	3433	6973	0.74%	0.127%
39	10.934	1376	1378	1385	rVB6	2856	5434	0.58%	0.099%
40	11.198	1420	1423	1429	rVB2	2743	3984	0.42%	0.073%
41	11.592	1484	1490	1495	rBV4	7465	12965	1.38%	0.237%
42	11.697	1506	1508	1515	rVB7	1748	2867	0.30%	0.052%
43	11.756	1515	1518	1524	rVB6	2336	3499	0.37%	0.064%
44	11.809	1524	1527	1530	rBV3	1810	2952	0.31%	0.054%
45	12.115	1576	1579	1581	rBV3	2403	3168	0.34%	0.058%
46	12.508	1641	1646	1647	rBV4	2573	3006	0.32%	0.055%
47	12.643	1667	1669	1677	rVB4	4813	6005	0.64%	0.110%
48	12.737	1679	1685	1687	rBV5	5824	9787	1.04%	0.179%
49	12.767	1687	1690	1697	rVB6	3939	6803	0.72%	0.124%
50	12.825	1697	1700	1708	rBV6	3660	8375	0.89%	0.153%
51	12.908	1709	1714	1722	rVB5	6036	12545	1.33%	0.229%
52	12.978	1722	1726	1730	rBV6	4371	7394	0.78%	0.135%
53	13.066	1737	1741	1746	rVB5	2615	3893	0.41%	0.071%
54	13.125	1746	1751	1753	rBV6	3036	4935	0.52%	0.090%
55	13.225	1765	1768	1772	rVB3	3144	4295	0.46%	0.078%
56	13.278	1773	1777	1779	rBV5	2159	2932	0.31%	0.054%
57	13.384	1791	1795	1798	rBV5	3751	5070	0.54%	0.093%
58	13.431	1799	1803	1806	rVB6	1842	2822	0.30%	0.052%
59	13.478	1806	1811	1815	rBV3	14788	21898	2.32%	0.400%
60	13.854	1869	1875	1880	rBV3	15602	27236	2.89%	0.498%
61	14.024	1897	1904	1909	rBV	117019	176773	18.76%	3.230%
62	14.071	1909	1912	1921	rVB	23473	35207	3.74%	0.643%
63	14.153	1921	1926	1932	rBV	46641	67835	7.20%	1.240%
64	14.271	1941	1946	1949	rBV2	39178	51511	5.47%	0.941%
65	14.312	1949	1953	1960	rVB	97560	163930	17.40%	2.996%
66	14.512	1983	1987	1988	rBV4	4076	4152	0.44%	0.076%
67	14.582	1996	1999	2000	rBV3	5422	5947	0.63%	0.109%
68	14.623	2000	2006	2015	rVB2	214874	371739	39.45%	6.793%
69	14.852	2040	2045	2051	rBV2	42947	73693	7.82%	1.347%
70	14.970	2063	2065	2071	rVB6	8922	15483	1.64%	0.283%
71	15.035	2073	2076	2080	rVV6	15347	20418	2.17%	0.373%

LSC Area Percent Report

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Data File : BG019304.D
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Operator : UM/NP
Sample : G4074-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JG9H6

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-BG101515.M
Title : SVOA CALIBRATION

72	15.170	2097	2099	2103	rVB5	8583	9359	0.99%	0.171%
73	15.275	2113	2117	2121	rBV4	18235	27220	2.89%	0.497%
74	15.405	2137	2139	2145	rBV7	5912	9688	1.03%	0.177%
75	15.610	2168	2174	2180	rBV	148035	236631	25.11%	4.324%
76	16.774	2368	2372	2378	rBV2	72246	99571	10.57%	1.820%
77	17.367	2469	2473	2479	rVB	249574	348401	36.97%	6.367%
78	17.467	2486	2490	2497	rVB	135763	212417	22.54%	3.882%
79	18.290	2624	2630	2634	rBV	598492	942318	100.00%	17.220%
80	19.441	2823	2826	2833	rVB	244866	335691	35.62%	6.134%
81	19.559	2843	2846	2852	rBV4	300692	435067	46.17%	7.950%

Sum of corrected areas: 5472308

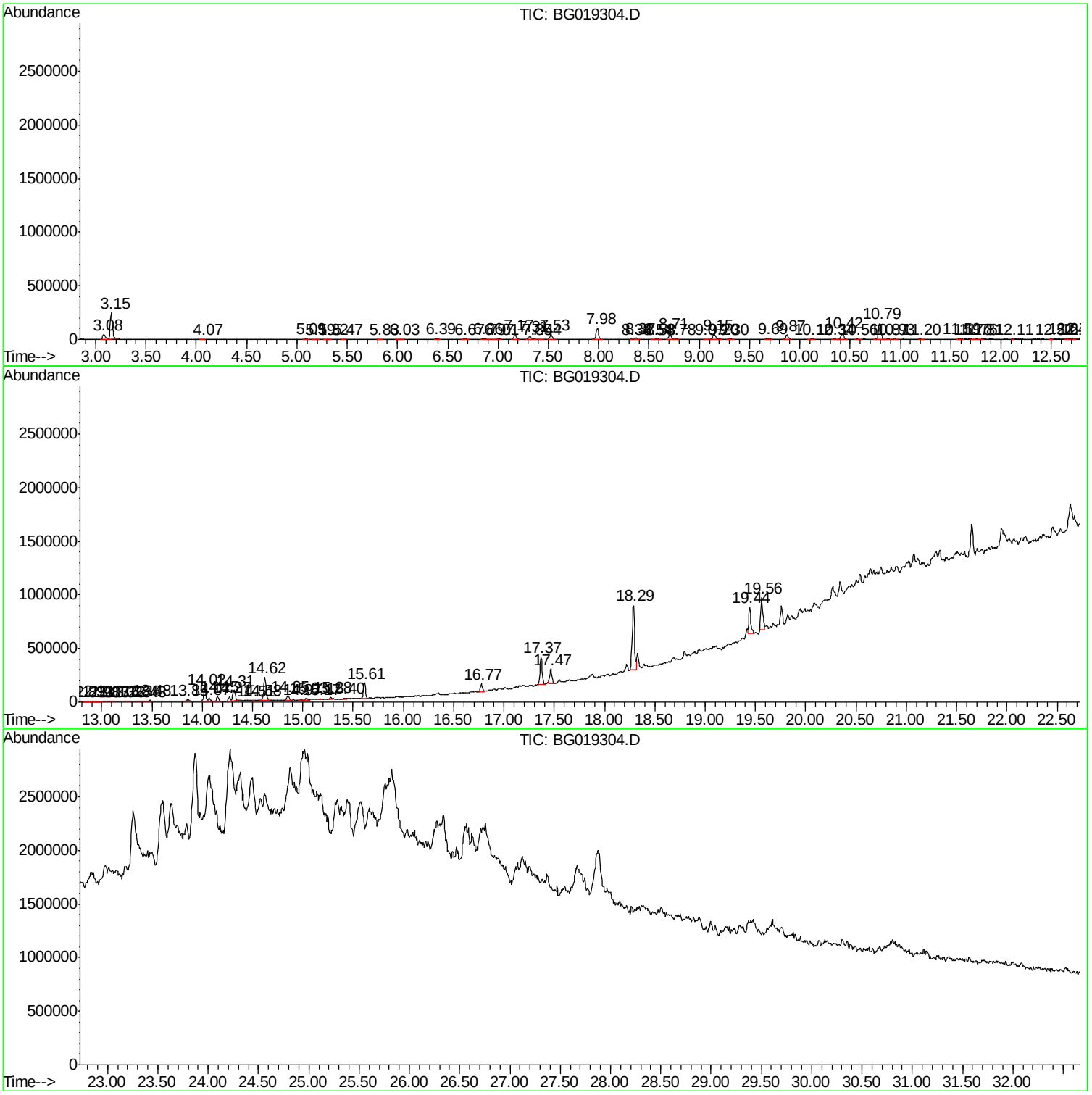
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102115\
Data File : BG019304.D
Acq On : 22 Oct 2015 6:12
Operator : UM/NP
Sample : G4074-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JG9H6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.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\BG102115\
Data File : BG019304.D
Acq On : 22 Oct 2015 6:12
Operator : UM/NP
Sample : G4074-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JG9H6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

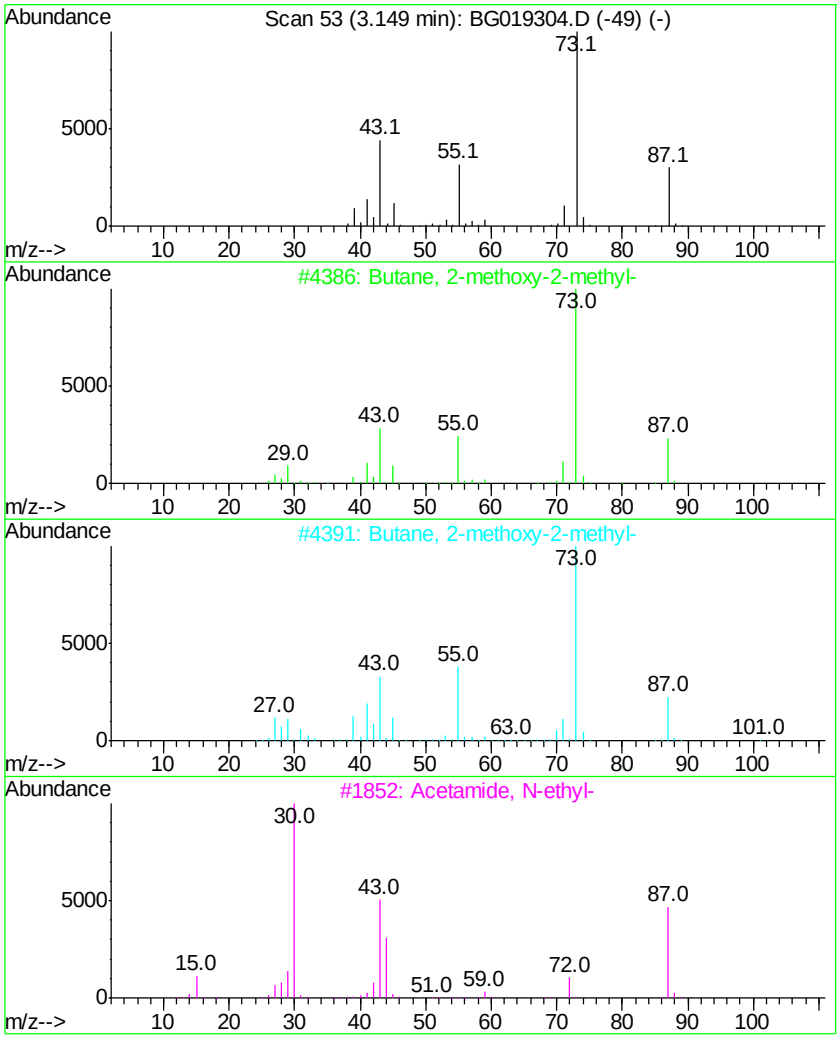
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

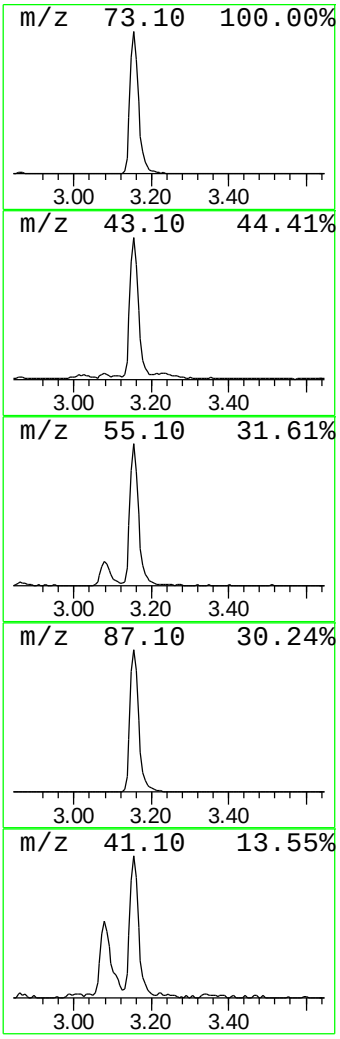
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	38.55 ng/ul	364161	1,4-Dichlorobenzene-d4	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102115\
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Operator : UM/NP
Sample : G4074-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JG9H6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

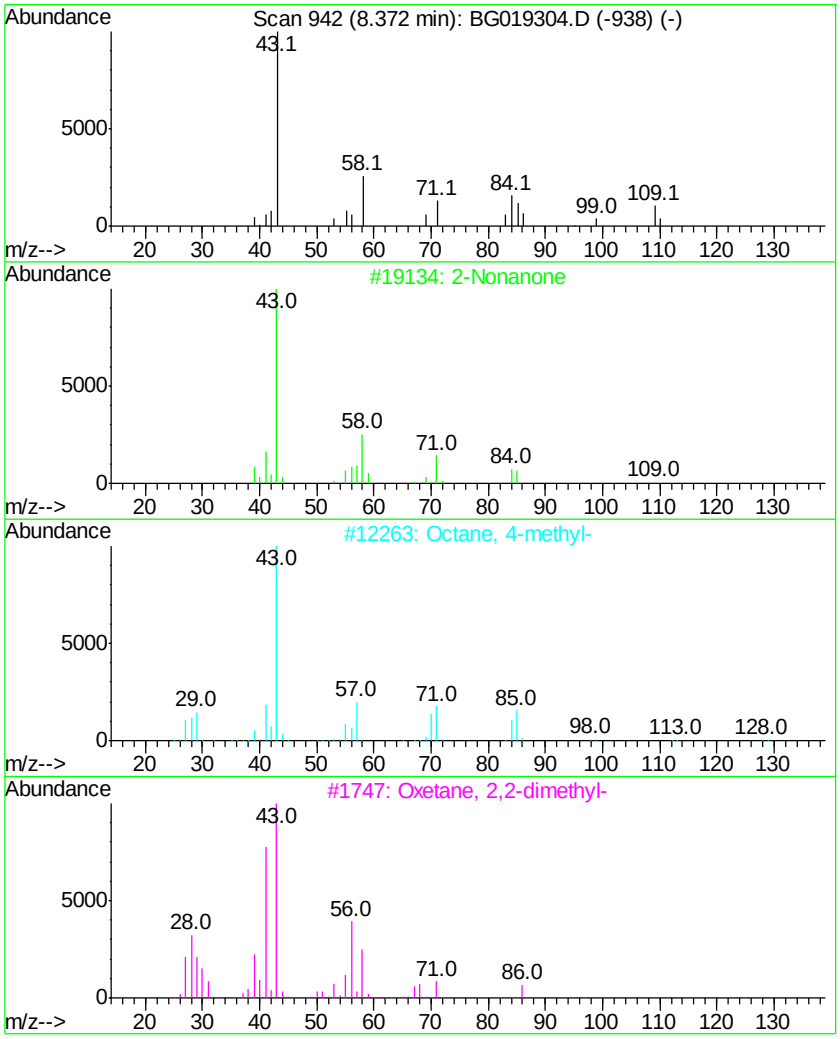
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

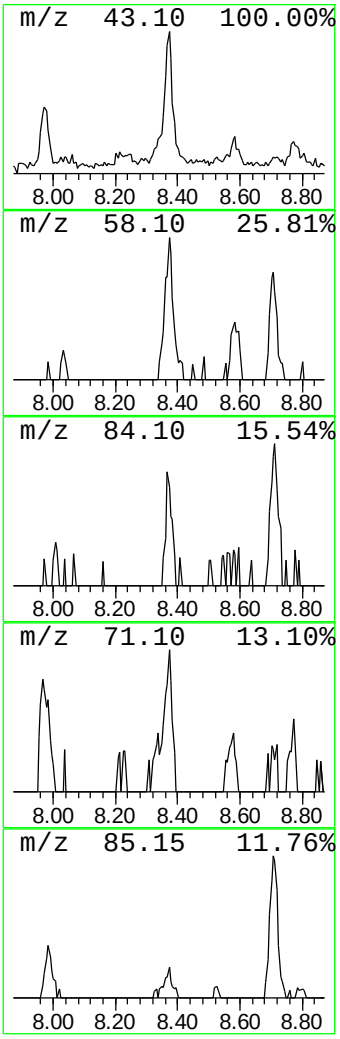
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	2.18 ng/ul	20597	1,4-Dichlorobenzene-d4	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonanone	142	C9H18O	000821-55-6	53
2	Octane, 4-methyl-	128	C9H20	002216-34-4	38
3	Oxetane, 2,2-dimethyl-	86	C5H10O	006245-99-4	37
4	Hexane, 4-ethyl-2,2-dimethyl-	142	C10H22	052896-99-8	33
5	2,7-Octanedione	142	C8H14O2	001626-09-1	28





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102115\
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Acq On : 22 Oct 2015 6:12
Operator : UM/NP
Sample : G4074-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JG9H6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

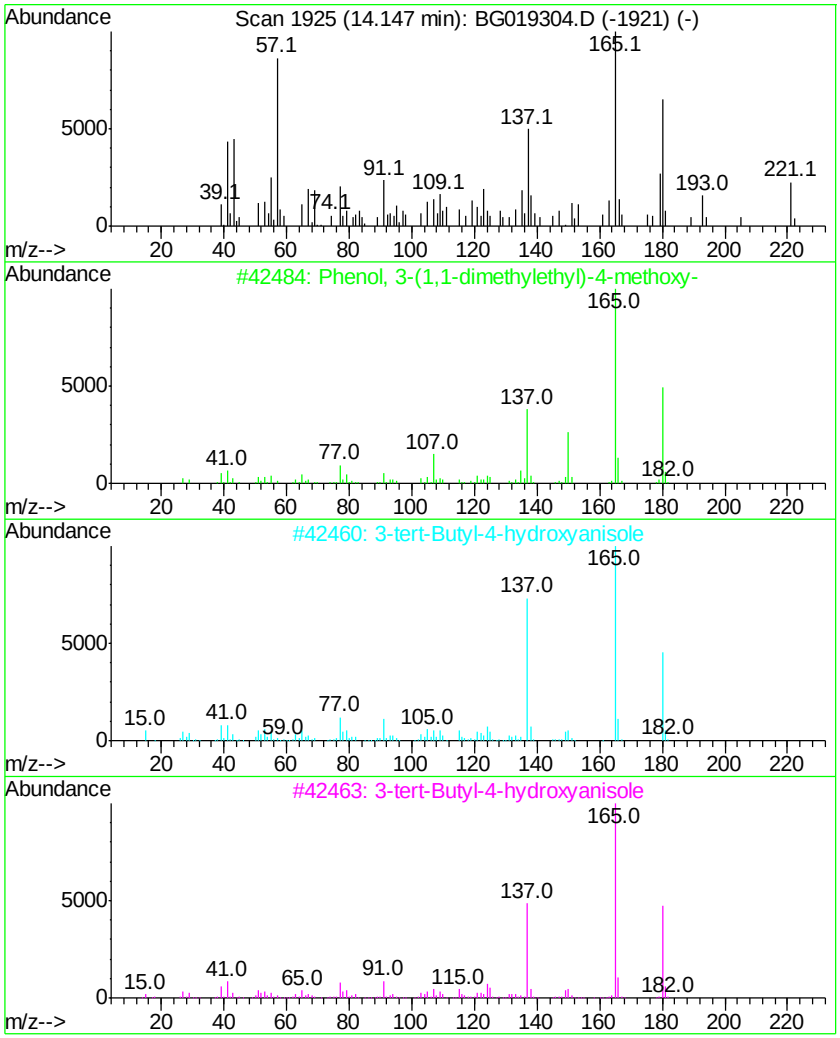
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

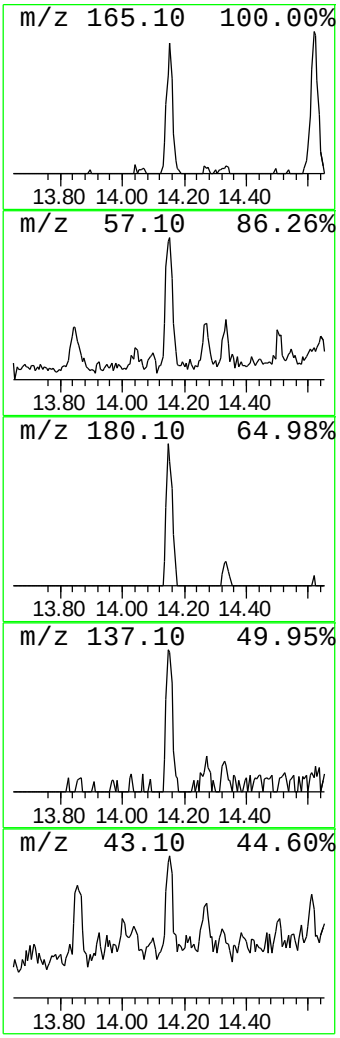
****

Peak Number 4 Phenol, 3-(1,1-dimethylethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	3.65 ng/ul	67835	Acenaphthene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(1,1-dimethylethyl)-4-...	180	C11H16O2	000088-32-4	70
2	3-tert-Butyl-4-hydroxyanisole	180	C11H16O2	000121-00-6	64
3	3-tert-Butyl-4-hydroxyanisole	180	C11H16O2	000121-00-6	64
4	Phenol, 3-(1,1-dimethylethyl)-4-...	180	C11H16O2	000088-32-4	58
5	3-tert-Butyl-4-hydroxyanisole	180	C11H16O2	000121-00-6	58





Library Search Compound Report

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ClientSampleId : JG9H6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

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

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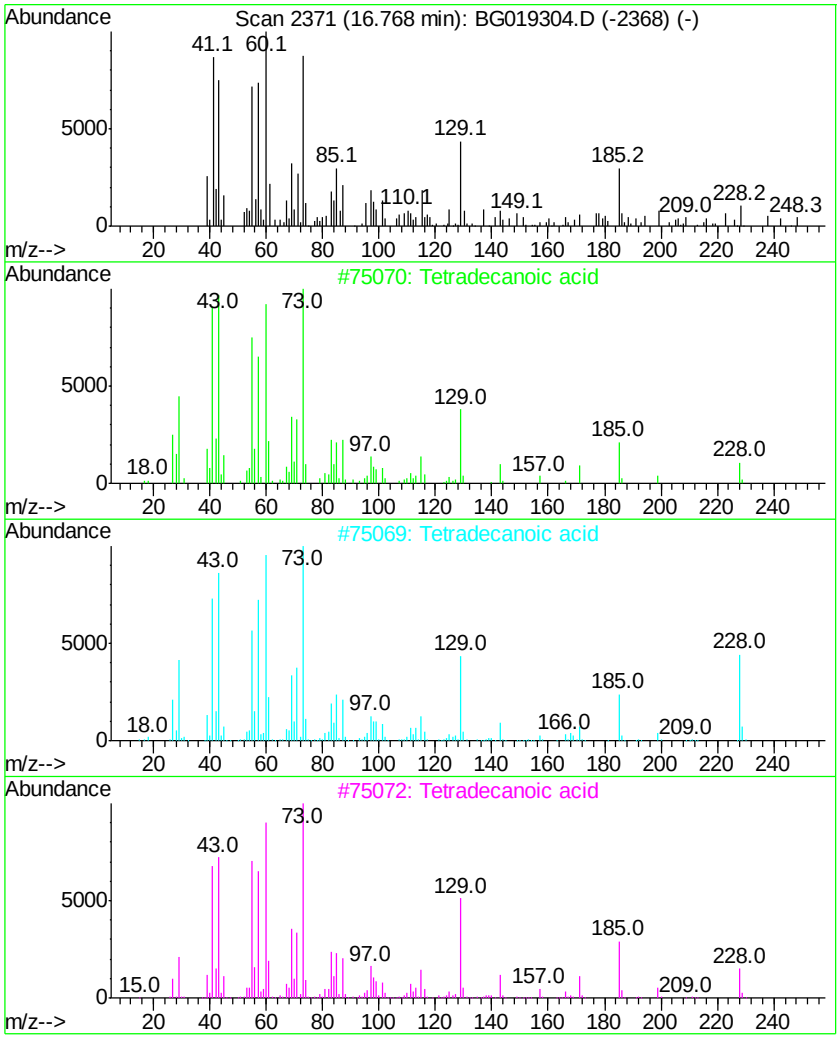
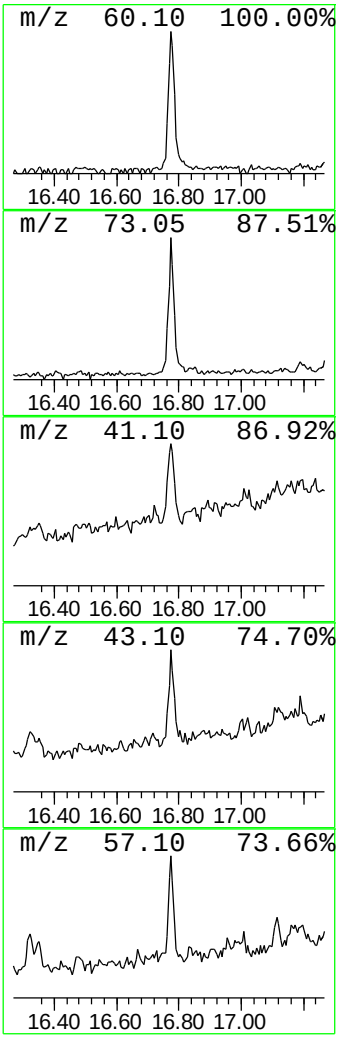
Peak Number 5 Tetradecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	5.72 ng/ul	99571	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Undecanoic acid	186	C11H22O2	000112-37-8	58





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JG9H6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

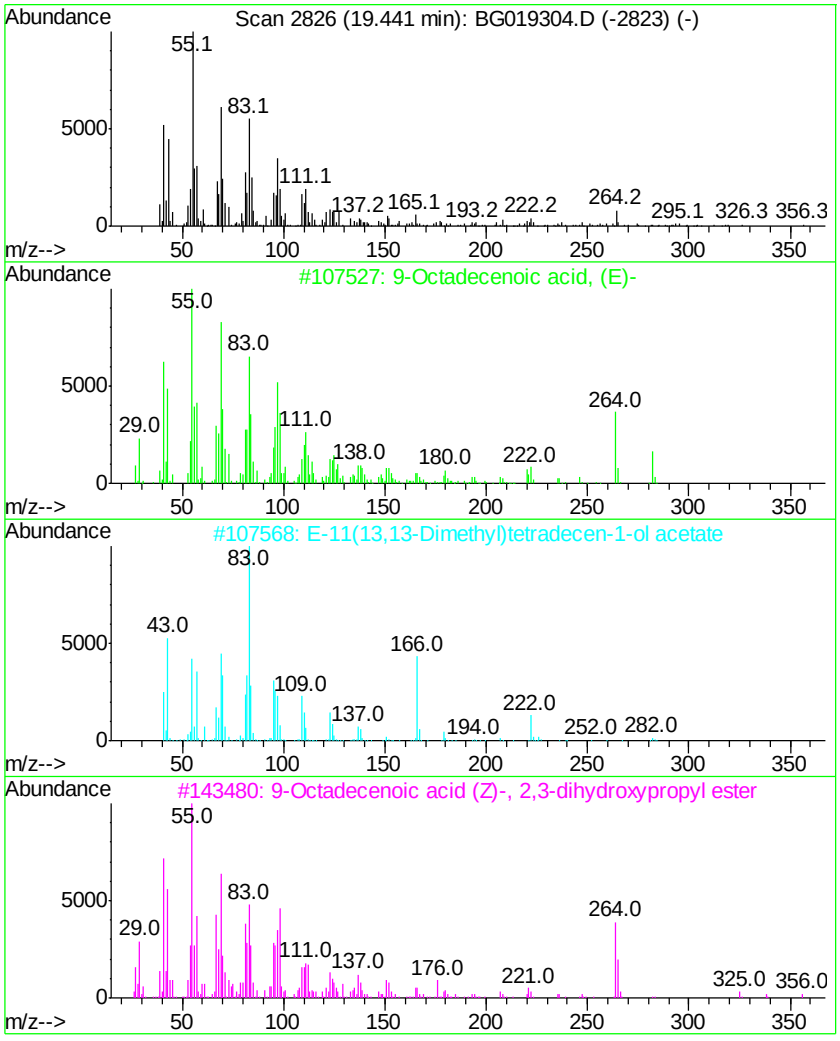
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

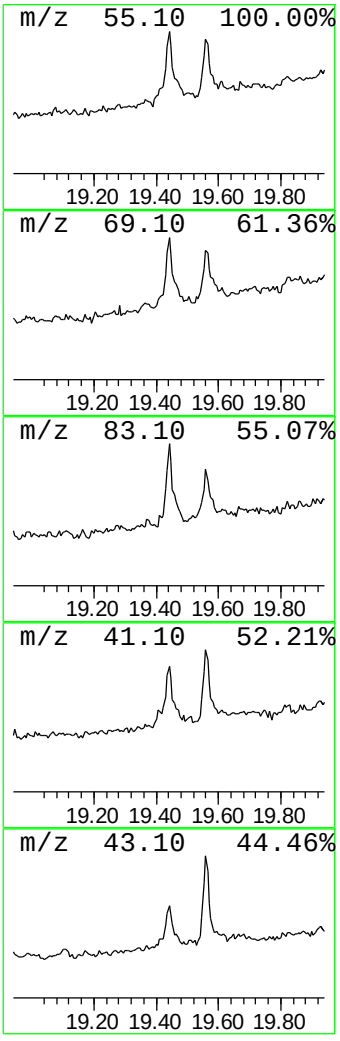
****

Peak Number 6 9-Octadecenoic acid, (E)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	19.27 ng/ul	335691	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	83
2	E-11(13,13-Dimethyl)tetradecen-1...	282	C18H34O2	1000130-80-2	78
3	9-Octadecenoic acid (Z)-, 2,3-di...	356	C21H40O4	000111-03-5	72
4	Erucic acid	338	C22H42O2	000112-86-7	72
5	Octadec-9-enoic acid	282	C18H34O2	1000190-13-7	68





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Data File : BG019304.D
Acq On : 22 Oct 2015 6:12
Operator : UM/NP
Sample : G4074-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JG9H6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION

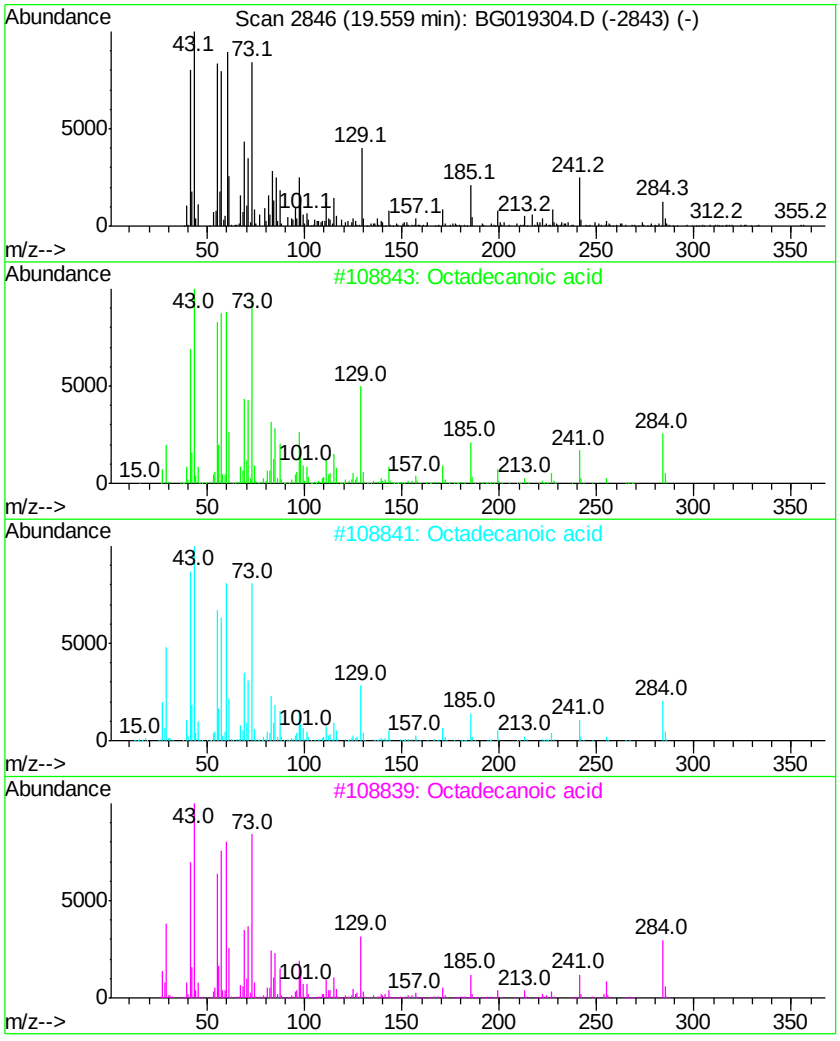
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

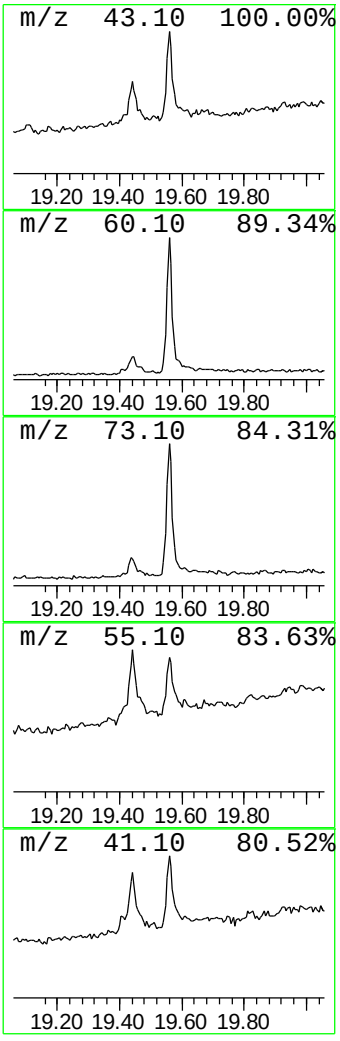
****

Peak Number 7 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.56	20.00 ng/ul	435067	Chrysene-d12	21.65

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	95
3	Octadecanoic acid	284	C18H36O2	000057-11-4	94
4	Octadecanoic acid	284	C18H36O2	000057-11-4	93
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG102115\
Data File : BG019304.D
Acq On : 22 Oct 2015 6:12
Operator : UM/NP
Sample : G4074-17
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JG9H6

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.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...	3.15	38.5	ng/ul	364161	1	7.99	188912	20.0
(DEL) Alkane: Str...	8.37	2.2	ng/ul	20597	1	7.99	188912	20.0
Phenol, 3-(1,1-di...	14.15	3.6	ng/ul	67835	3	14.62	371739	20.0
Tetradecanoic acid	16.77	5.7	ng/ul	99571	4	17.37	348401	20.0
9-Octadecenoic ac...	19.44	19.3	ng/ul	335691	4	17.37	348401	20.0
Octadecanoic acid	19.56	20.0	ng/ul	435067	5	21.65	435067	20.0