

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
 Data File : BG022861.D
 Acq On : 5 Jul 2016 22:06
 Operator : UM/SJ
 Sample : H3811-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4TW4

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 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-BG063016.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	4.067	206	209	216	rVV5	15496	25007	0.22%	0.026%
2	4.666	306	311	318	rVB7	16968	25631	0.23%	0.027%
3	5.459	442	446	451	rVB6	15074	21237	0.19%	0.022%
4	5.642	474	477	481	rVB5	10186	11254	0.10%	0.012%
5	7.304	755	760	770	rVB	369261	684156	6.13%	0.719%
6	7.475	783	789	799	rVV	253637	432302	3.87%	0.454%
7	7.686	819	825	832	rBV	327740	581975	5.22%	0.611%
8	7.763	834	838	842	rVB7	10253	15129	0.14%	0.016%
9	8.156	898	905	912	rBV	687759	1181504	10.59%	1.241%
10	8.385	937	944	945	rBV4	7935	14147	0.13%	0.015%
11	8.861	1018	1025	1032	rVB2	505310	884358	7.93%	0.929%
12	9.132	1069	1071	1075	rVB3	9730	13131	0.12%	0.014%
13	9.325	1095	1104	1115	rBV	364356	695099	6.23%	0.730%
14	9.419	1116	1120	1124	rVV7	16788	28900	0.26%	0.030%
15	9.472	1124	1129	1137	rVB6	41726	80246	0.72%	0.084%
16	9.713	1165	1170	1174	rBV8	12046	18934	0.17%	0.020%
17	10.054	1218	1228	1236	rBV2	344191	630031	5.65%	0.662%
18	10.201	1247	1253	1257	rBV3	52193	98101	0.88%	0.103%
19	10.600	1314	1321	1328	rBV	545204	987030	8.85%	1.037%
20	10.736	1339	1344	1345	rBV5	11760	14050	0.13%	0.015%
21	10.982	1379	1386	1395	rBV	975838	1783439	15.98%	1.874%
22	11.740	1511	1515	1519	rBV6	14992	28422	0.25%	0.030%
23	11.899	1538	1542	1546	rBV5	7711	14442	0.13%	0.015%
24	12.140	1578	1583	1587	rBV7	8609	19651	0.18%	0.021%
25	12.498	1641	1644	1648	rBV4	11740	15726	0.14%	0.017%
26	12.557	1650	1654	1659	rBV6	12516	24602	0.22%	0.026%
27	13.233	1763	1769	1772	rBV7	10113	14000	0.13%	0.015%
28	13.391	1791	1796	1801	rVB8	14848	24405	0.22%	0.026%
29	13.638	1835	1838	1842	rBV6	10258	16572	0.15%	0.017%
30	13.714	1847	1851	1856	rVB5	27041	39333	0.35%	0.041%
31	14.061	1903	1910	1915	rBV7	12714	29330	0.26%	0.031%
32	14.190	1923	1932	1937	rBV	1035413	1549715	13.89%	1.628%
33	14.237	1937	1940	1948	rVB	327011	451861	4.05%	0.475%
34	14.490	1977	1983	1994	rVB	1028552	1622713	14.54%	1.705%

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35	14.666	2010	2013	2016	rVB4	33583	38322	0.34%	0.040%
36	14.796	2029	2035	2044	rVB2	1606088	2710317	24.29%	2.847%
37	14.860	2044	2046	2049	rVB3	15209	16092	0.14%	0.017%
38	14.989	2062	2068	2077	rBV2	511787	920270	8.25%	0.967%
39	15.130	2090	2092	2097	rBV6	15312	23355	0.21%	0.025%
40	15.177	2098	2100	2102	rBV3	14007	11446	0.10%	0.012%
41	15.395	2134	2137	2138	rBV3	12850	11637	0.10%	0.012%
42	15.524	2152	2159	2163	rBV3	60402	100816	0.90%	0.106%
43	15.788	2196	2204	2211	rBV	1487143	2304159	20.65%	2.421%
44	15.900	2217	2223	2231	rVB	376670	585250	5.25%	0.615%
45	16.217	2275	2277	2280	rBV4	12126	12422	0.11%	0.013%
46	16.482	2318	2322	2326	rBV5	41546	81154	0.73%	0.085%
47	16.670	2351	2354	2359	rBV5	68147	98911	0.89%	0.104%
48	16.917	2393	2396	2400	rBV6	52029	70810	0.63%	0.074%
49	17.275	2453	2457	2461	rBV2	106898	149354	1.34%	0.157%
50	17.416	2477	2481	2484	rBV6	99922	148716	1.33%	0.156%
51	17.551	2498	2504	2509	rBV2	1917253	3022269	27.09%	3.175%
52	17.651	2515	2521	2532	rVB	1582679	2457991	22.03%	2.582%
53	18.015	2581	2583	2589	rVB2	72114	85538	0.77%	0.090%
54	18.303	2629	2632	2638	rVB3	138943	181828	1.63%	0.191%
55	18.362	2638	2642	2646	rBV2	131032	193418	1.73%	0.203%
56	18.421	2647	2652	2657	rBV2	1628052	2172639	19.47%	2.282%
57	18.615	2681	2685	2689	rBV5	82862	153593	1.38%	0.161%
58	18.709	2698	2701	2708	rVB7	98586	138433	1.24%	0.145%
59	19.331	2804	2807	2813	rVB2	186710	242928	2.18%	0.255%
60	19.543	2839	2843	2845	rBV2	460904	620744	5.56%	0.652%
61	19.572	2845	2848	2849	rBV	422265	469765	4.21%	0.493%
62	19.684	2863	2867	2872	rBV	520790	625457	5.61%	0.657%
63	19.931	2904	2909	2920	rVB3	2117989	4048386	36.28%	4.253%
64	20.412	2987	2991	2992	rBV3	205271	257807	2.31%	0.271%
65	20.824	3058	3061	3063	rBV	247640	295842	2.65%	0.311%
66	21.123	3110	3112	3117	rVB4	198241	217513	1.95%	0.229%
67	21.458	3164	3169	3182	rVB	1678821	2625305	23.53%	2.758%
68	21.717	3209	3213	3218	rVB	470006	689003	6.18%	0.724%
69	21.852	3229	3236	3242	rBV2	2215880	4328238	38.79%	4.547%
70	22.287	3305	3310	3316	rVB	766326	1192284	10.69%	1.253%
71	22.692	3369	3379	3395	rBV2	3015652	8078384	72.40%	8.487%

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72	23.756	3554	3560	3568	rVB2	1378246	2704740	24.24%	2.841%
73	24.237	3634	3642	3648	rBV	3107772	7455366	66.82%	7.832%
74	24.308	3648	3654	3669	rVB2	1778676	4642377	41.61%	4.877%
75	24.995	3766	3771	3780	rVB	903567	2094436	18.77%	2.200%
76	25.230	3804	3811	3821	rVB2	1309697	3697010	33.13%	3.884%
77	25.783	3897	3905	3917	rVB2	1928874	5432444	48.69%	5.707%
78	26.429	4004	4015	4028	rVB2	3367035	11157488	100.00%	11.721%
79	28.703	4392	4402	4417	rVB3	1638797	6549838	58.70%	6.881%

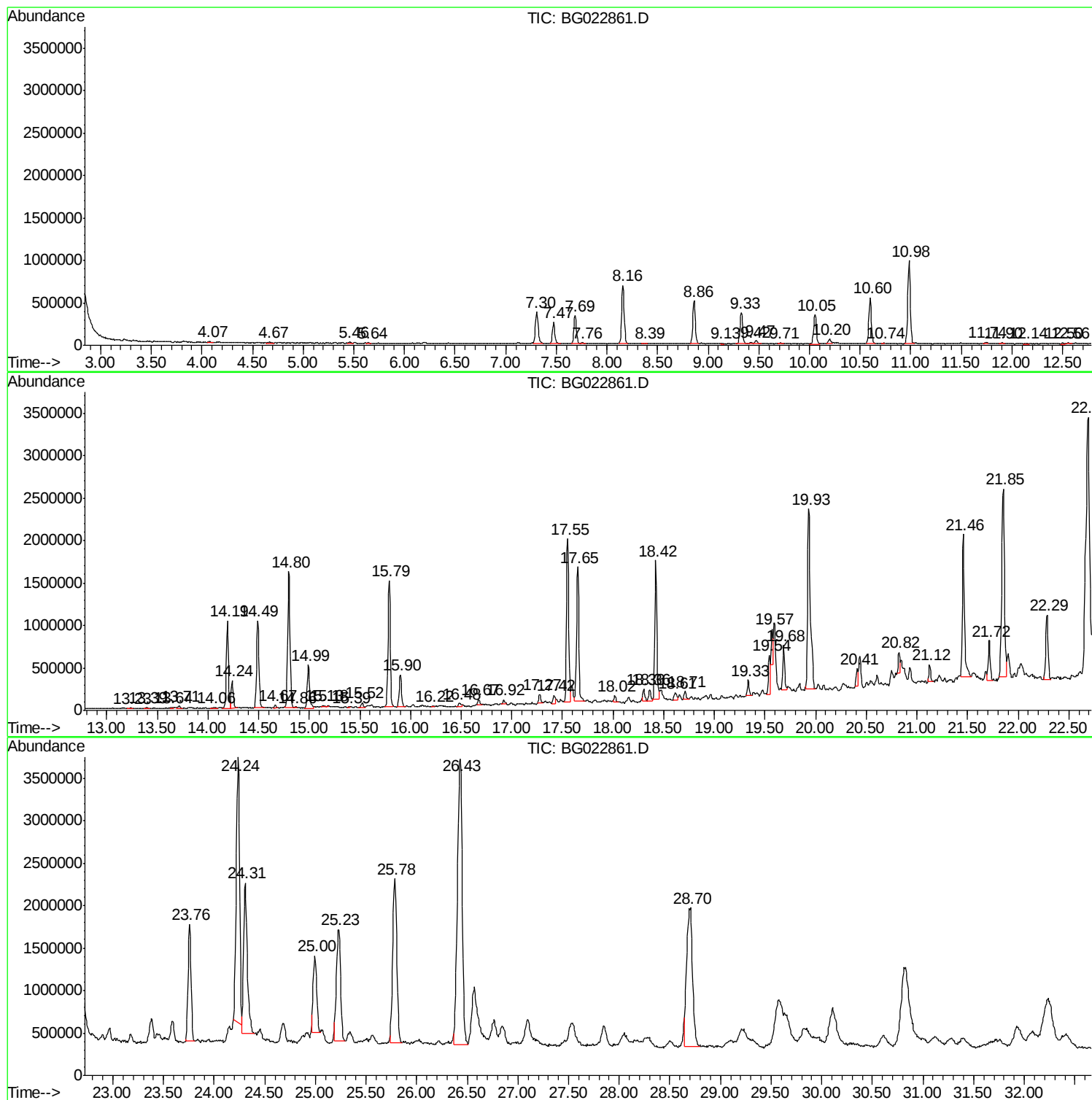
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

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



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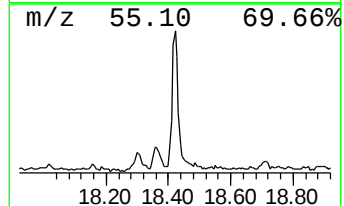
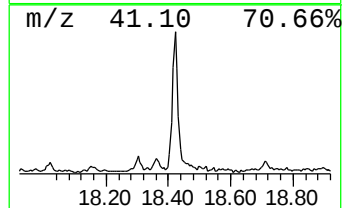
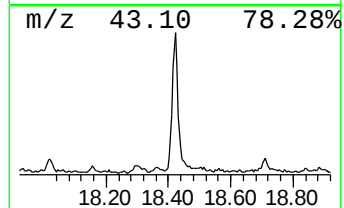
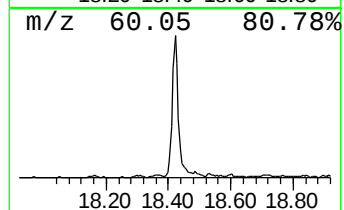
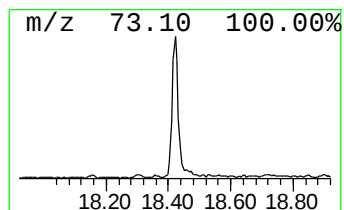
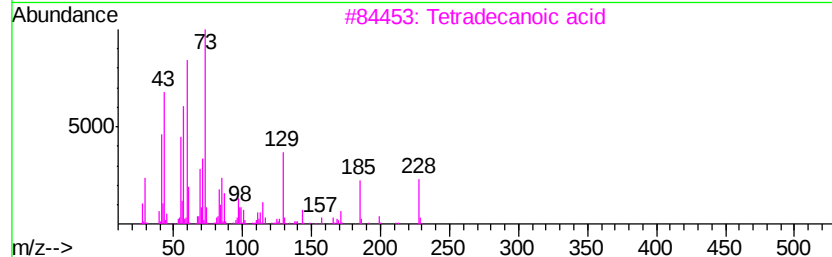
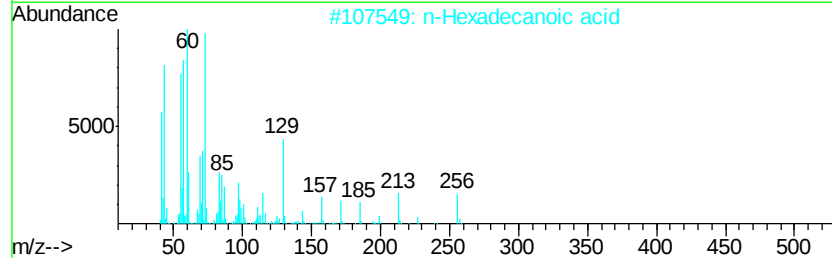
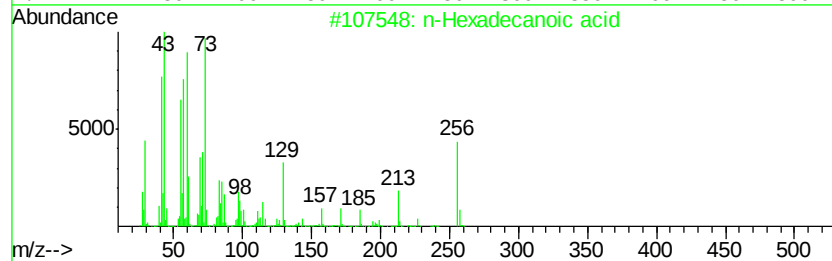
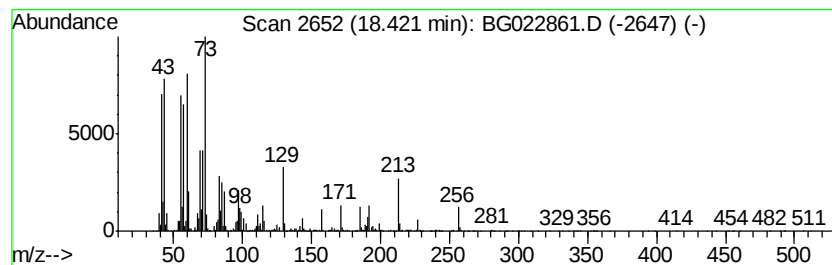
Instrument :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.42	14.38 ng/ul	2172640	Phenanthrene-d10	17.55		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98	
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98	
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	94	
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90	
5	Tridecanoic acid	214	C13H26O2	000638-53-9	89	



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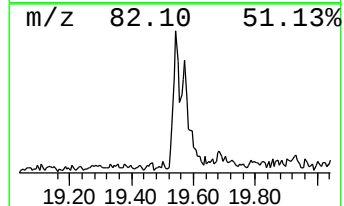
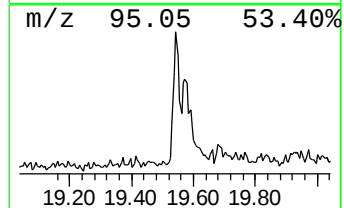
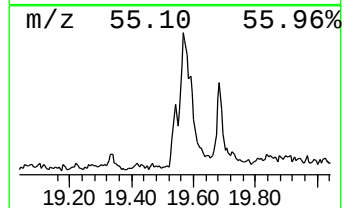
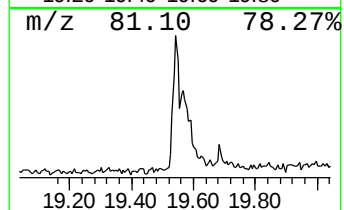
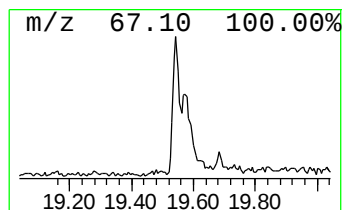
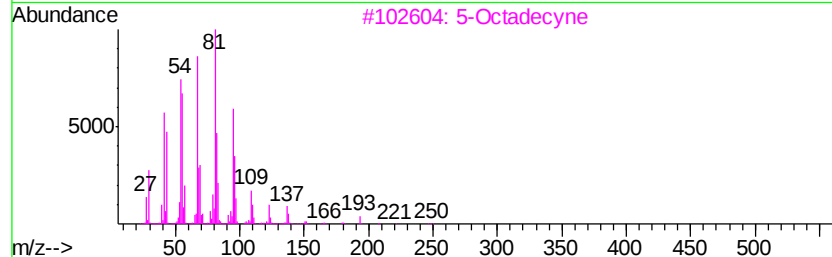
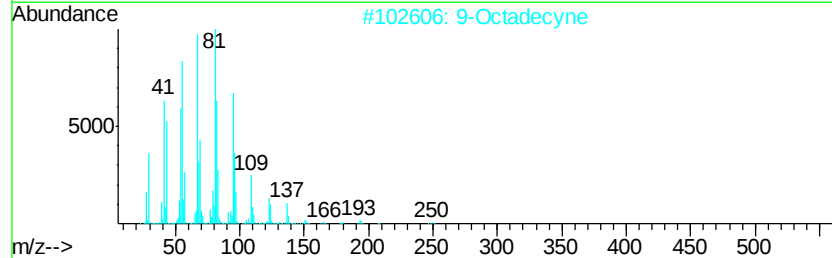
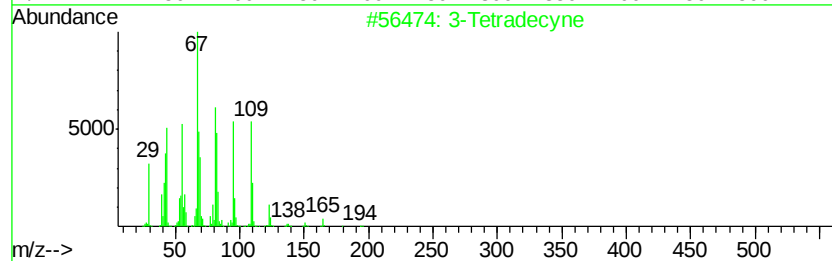
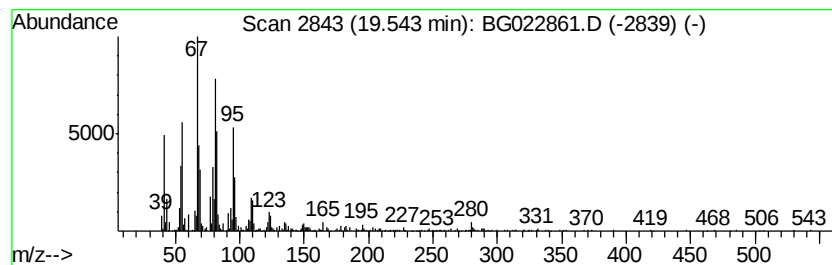
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 (DEL) Alkane: Cyclic19.54 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	4.11 ng/ul	620744	Phenanthrene-d10	17.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3	Tetradecyne	194	C14H26	060212-32-0	93
2	9	Octadecyne	250	C18H34	035365-59-4	89
3	5	Octadecyne	250	C18H34	071899-42-8	87
4	3	Tetradecyne	194	C14H26	060212-32-0	86
5	3,4	Octadiene, 7-methyl-	124	C9H16	037050-05-8	83



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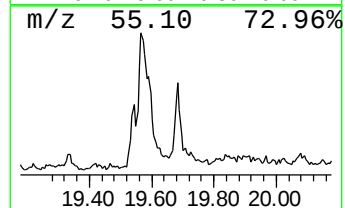
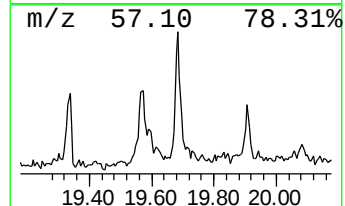
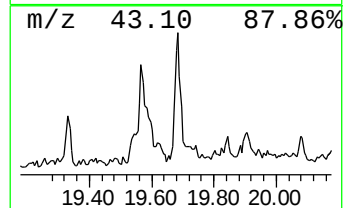
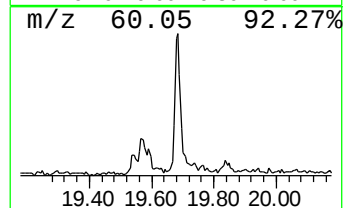
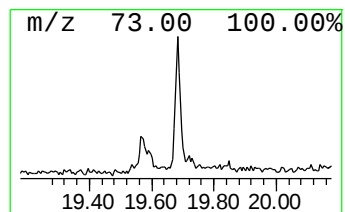
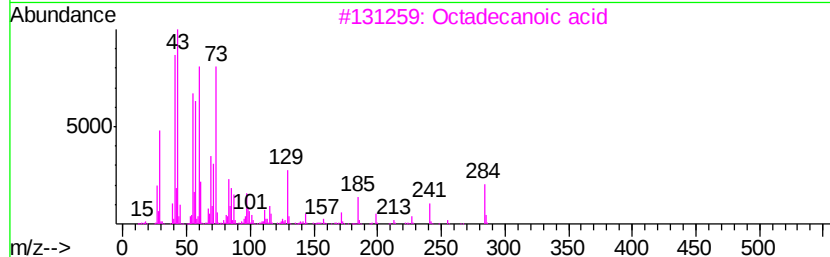
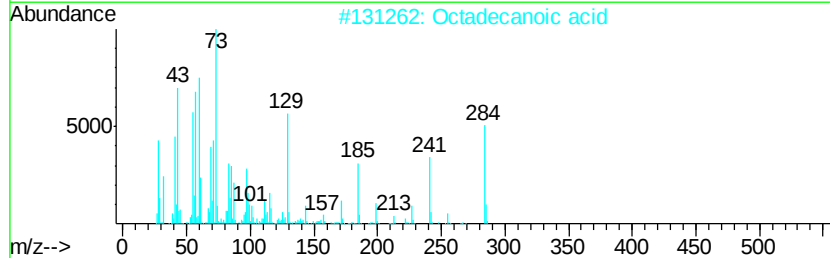
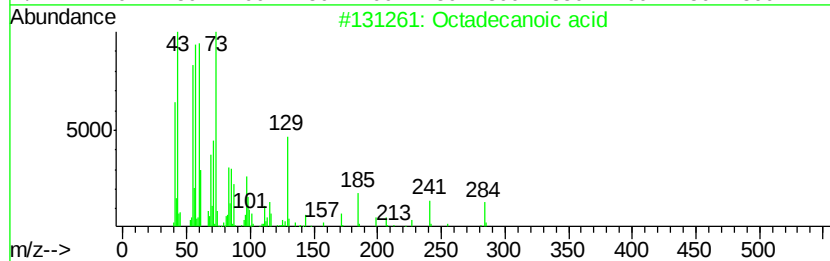
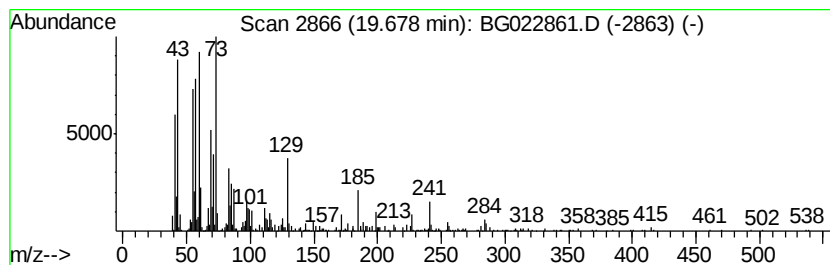
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.68	4.14 ng/ul	625457	Phenanthrene-d10	17.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Octadecanoic acid	284	C18H36O2	000057-11-4	94
3		Octadecanoic acid	284	C18H36O2	000057-11-4	91
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5		Octadecanoic acid	284	C18H36O2	000057-11-4	86



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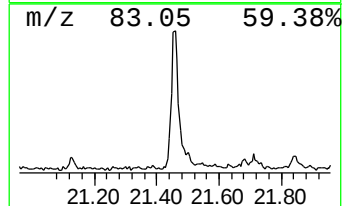
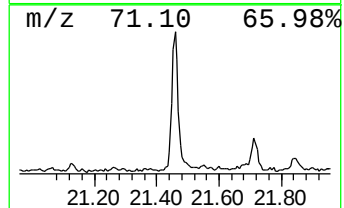
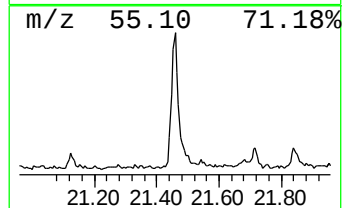
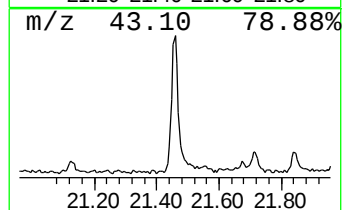
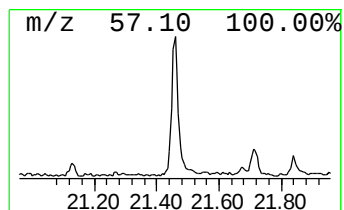
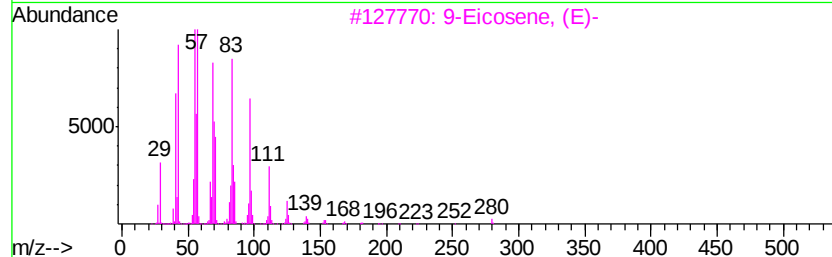
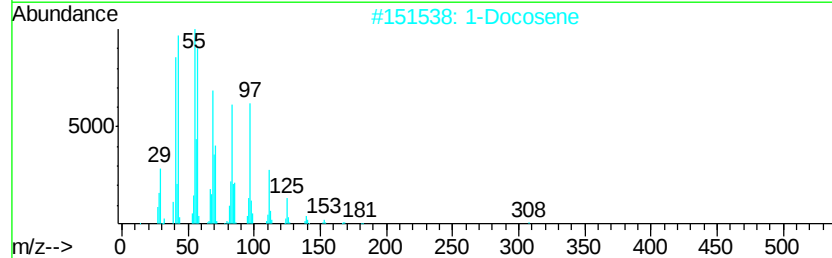
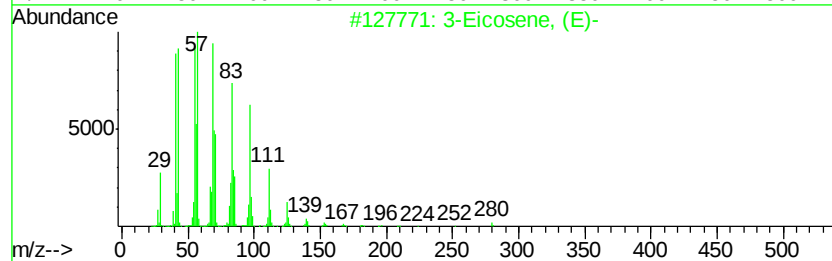
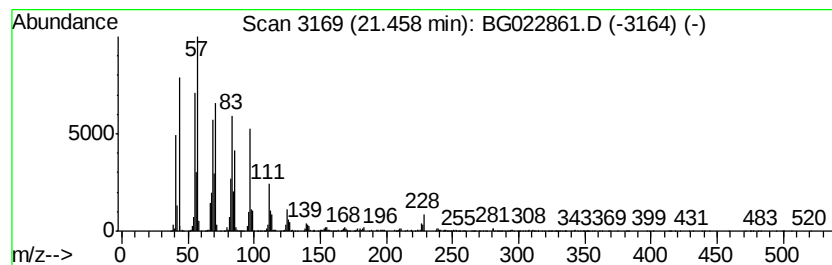
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Cyclic21.46 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	12.13 ng/ul	2625310	Chrysene-d12	21.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-		280	C20H40	074685-33-9	98
2	1-Docosene		308	C22H44	001599-67-3	98
3	9-Eicosene, (E)-		280	C20H40	074685-29-3	93
4	1-Docosene		308	C22H44	001599-67-3	93
5	9-Tricosene, (Z)-		322	C23H46	027519-02-4	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
Data File : BG022861.D
Acq On : 5 Jul 2016 22:06
Operator : UM/SJ
Sample : H3811-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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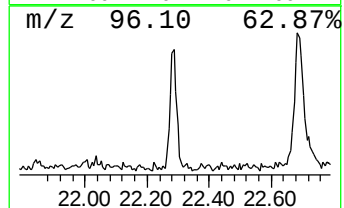
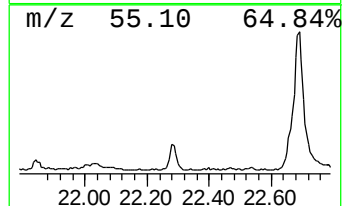
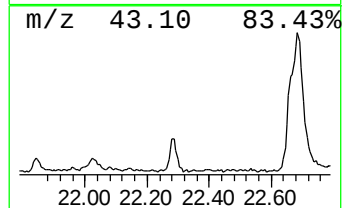
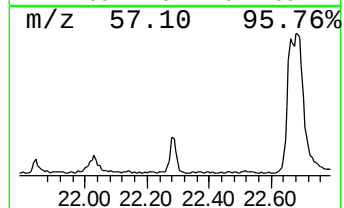
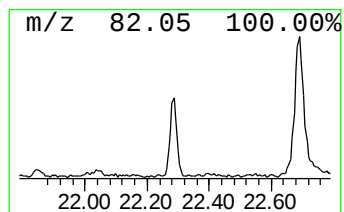
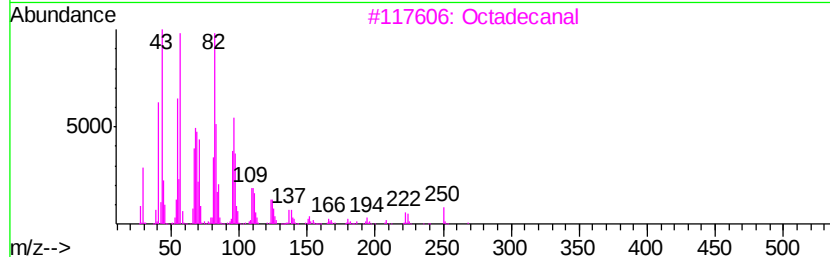
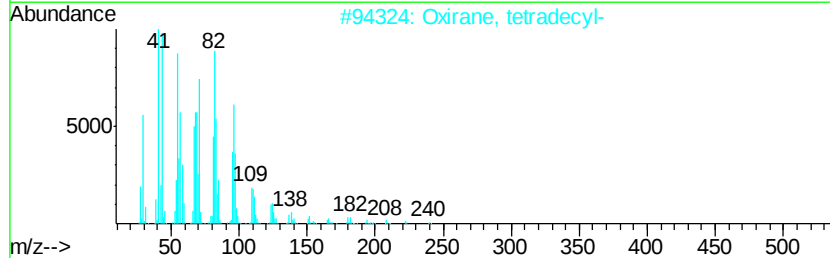
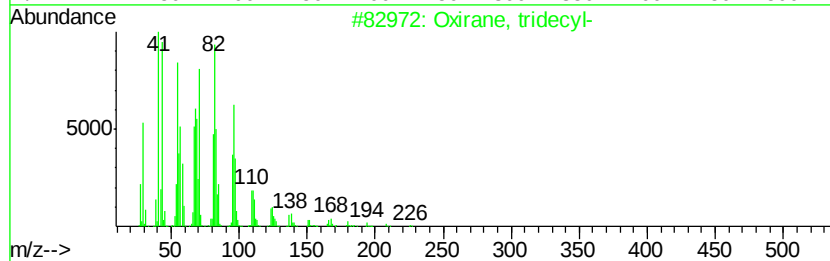
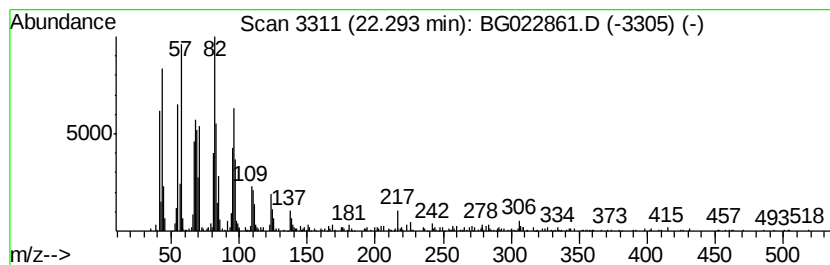
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Oxirane, tridecyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.29	5.51 ng/ul	1192280	Chrysene-d12	21.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, tridecyl-	226	C15H30O	018633-25-5	98
2			Oxirane, tetradecyl-	240	C16H32O	007320-37-8	98
3			Octadecanal	268	C18H36O	000638-66-4	96
4			1,19-Eicosadiene	278	C20H38	014811-95-1	94
5			Oxirane, hexadecyl-	268	C18H36O	007390-81-0	94



Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
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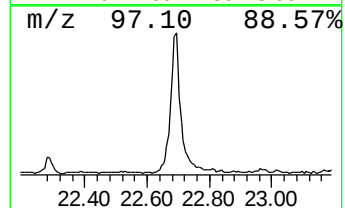
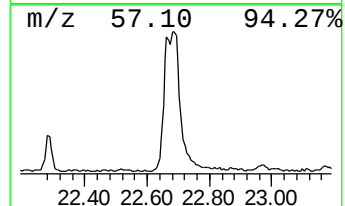
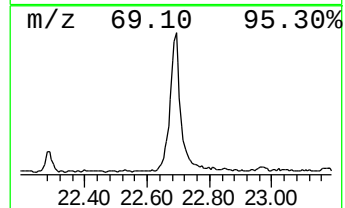
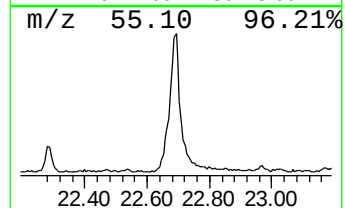
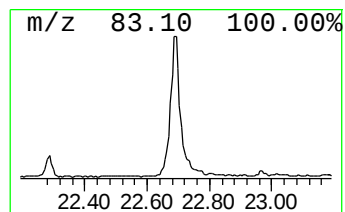
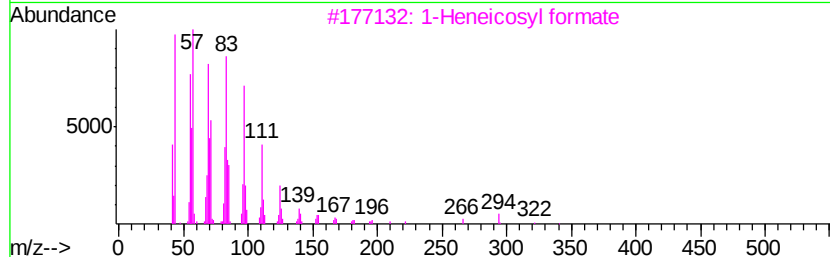
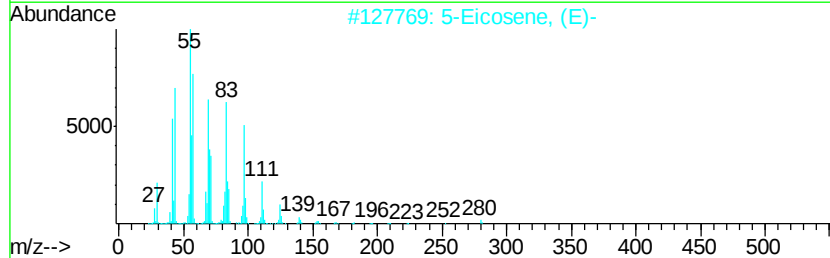
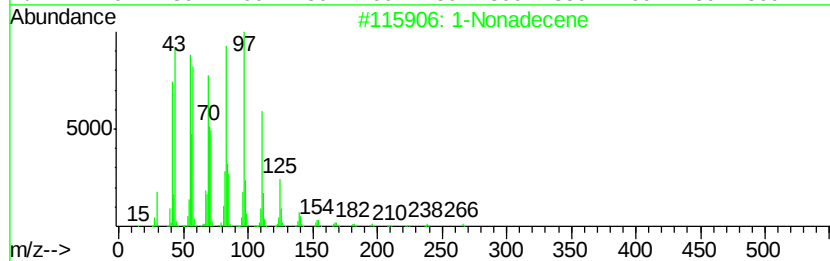
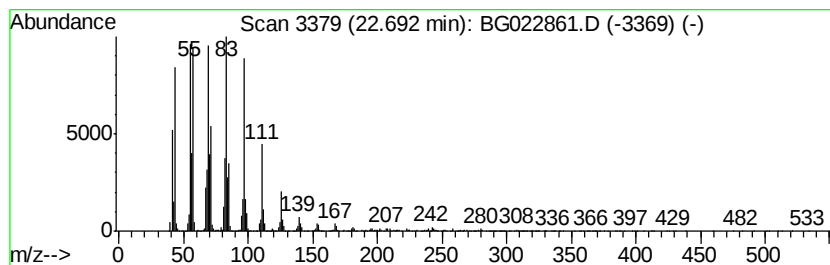
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Cyclic22.69 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	37.33 ng/ul	8078380	Chrysene-d12	21.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Nonadecene	266	C19H38	018435-45-5	98
2		5-Eicosene, (E)-	280	C20H40	074685-30-6	98
3		1-Heneicosyl formate	340	C22H44O2	077899-03-7	98
4		1-Nonadecene	266	C19H38	018435-45-5	97
5		1-Heneicosanol	312	C21H44O	015594-90-8	95



Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
Data File : BG022861.D
Acq On : 5 Jul 2016 22:06
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Sample : H3811-16
Misc :
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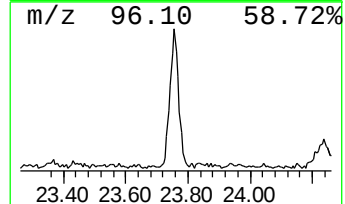
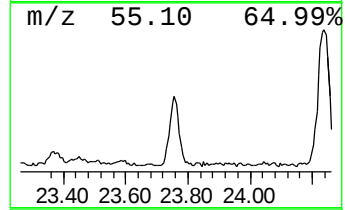
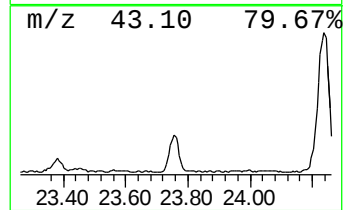
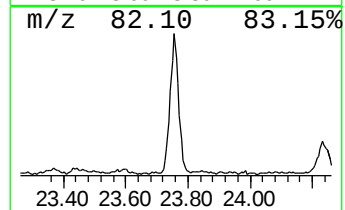
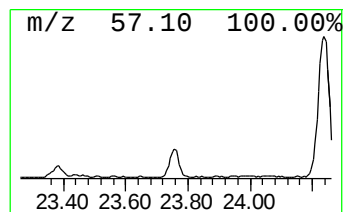
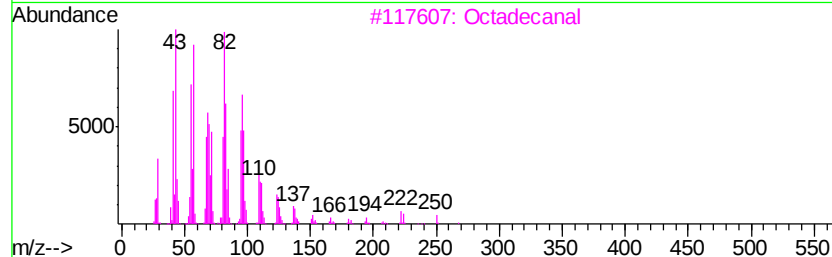
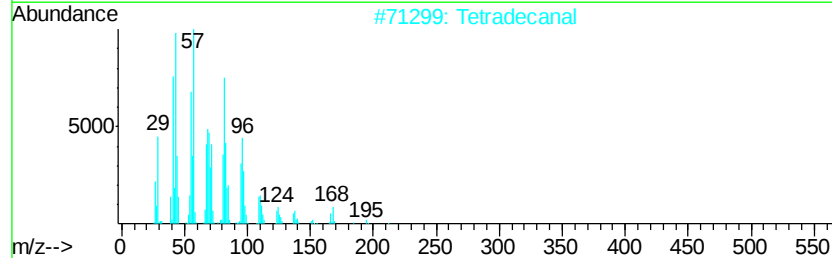
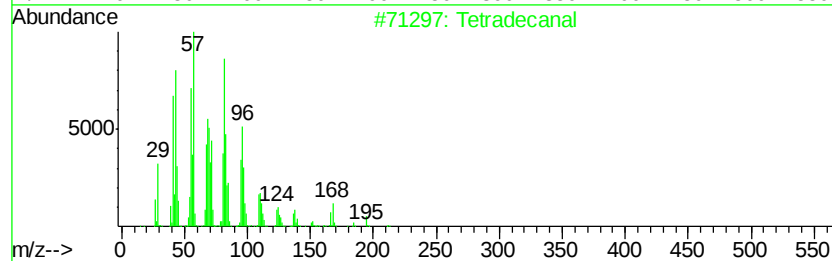
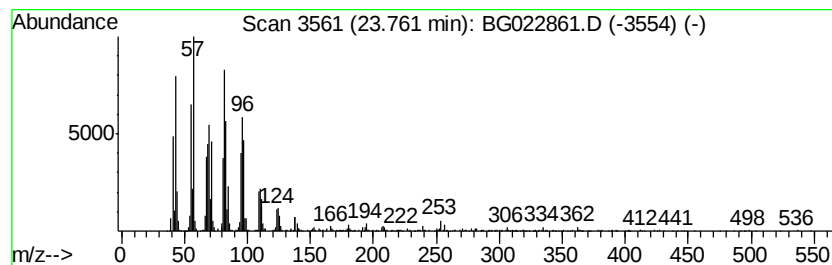
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Tetradecanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.76	14.63 ng/ul	2704740	Perylene-d12	25.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecanal	212	C14H28O	000124-25-4	94
2		Tetradecanal	212	C14H28O	000124-25-4	91
3		Octadecanal	268	C18H36O	000638-66-4	91
4		Pentadecanal-	226	C15H30O	002765-11-9	87
5		Octadecanal	268	C18H36O	000638-66-4	86



Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
Data File : BG022861.D
Acq On : 5 Jul 2016 22:06
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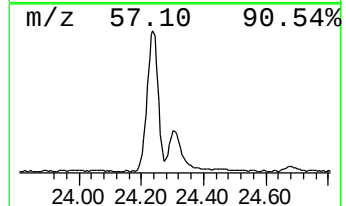
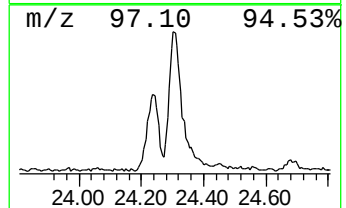
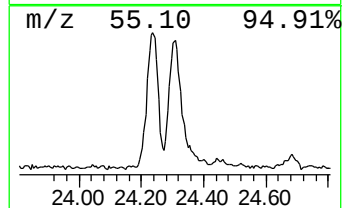
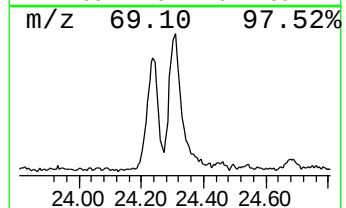
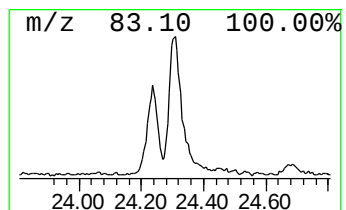
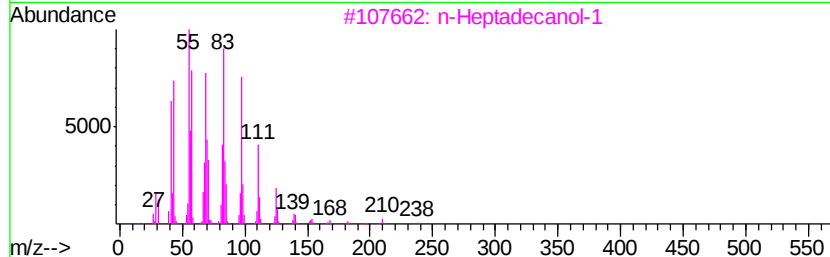
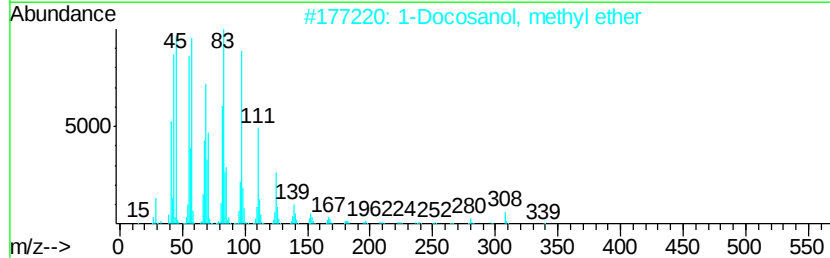
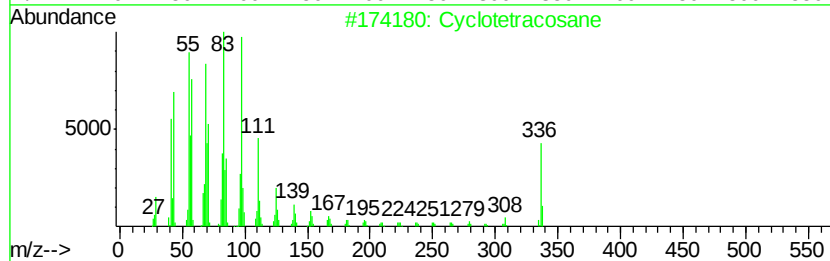
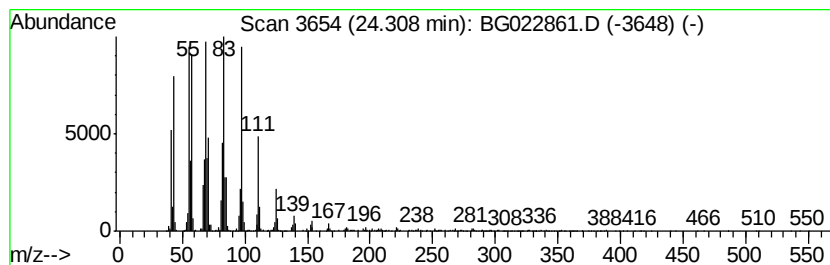
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Cyclic24.31 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.31	25.11 ng/ul	4642380	Perylene-d12	25.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclotetracosane	336	C24H48	000297-03-0	97
2		1-Docosanol, methyl ether	340	C23H48O	1000333-91-9	93
3		n-Heptadecanol-1	256	C17H36O	001454-85-9	91
4		1-Heneicosanol	312	C21H44O	015594-90-8	90
5		Fumaric acid, 2-chloropropyl tri...	374	C20H35ClO4	1000348-57-1	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
Data File : BG022861.D
Acq On : 5 Jul 2016 22:06
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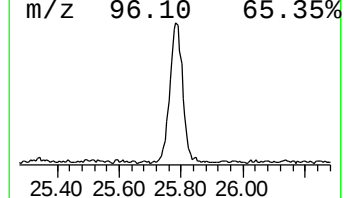
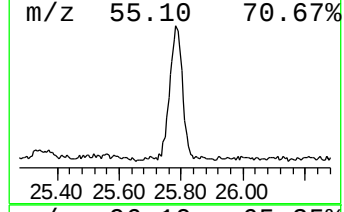
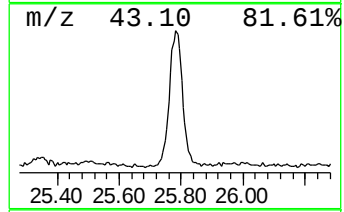
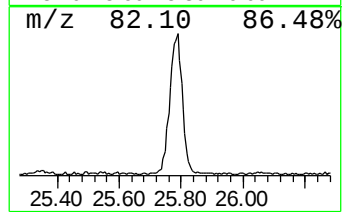
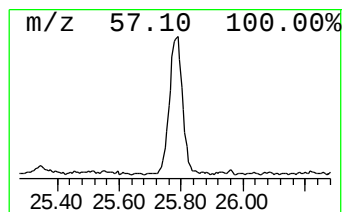
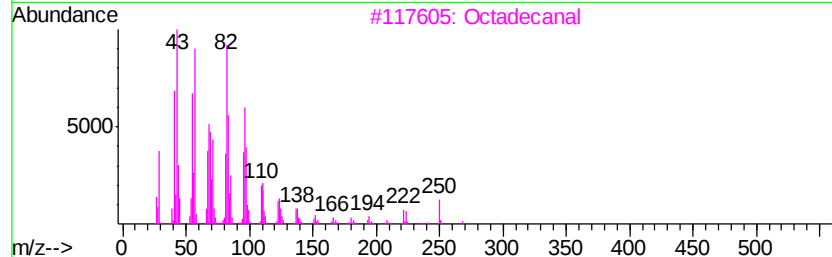
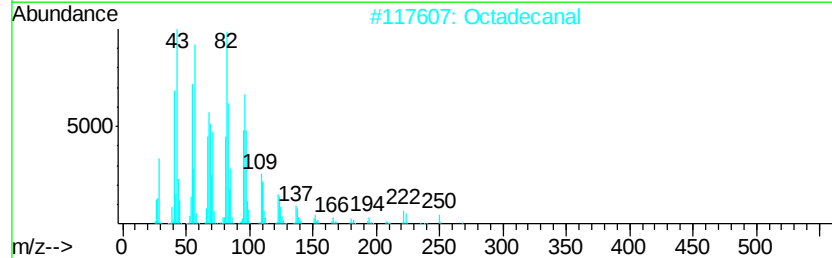
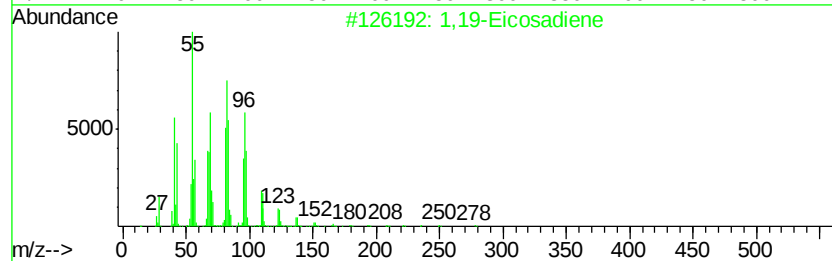
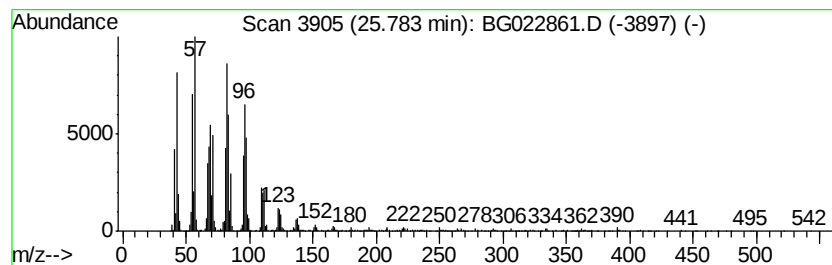
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 1,19-Eicosadiene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.78	29.39 ng/ul	5432440	Perylene-d12	25.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,19-Eicosadiene	278	C20H38	014811-95-1	94
2		Octadecanal	268	C18H36O	000638-66-4	91
3		Octadecanal	268	C18H36O	000638-66-4	91
4		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
5		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
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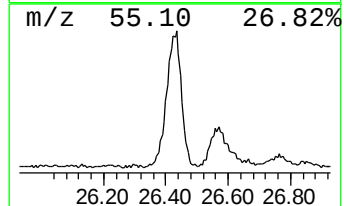
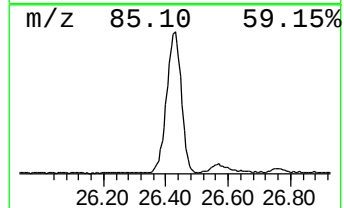
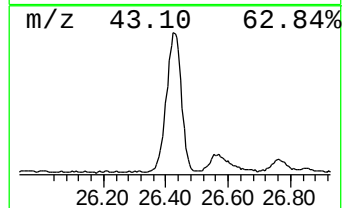
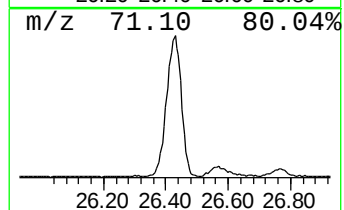
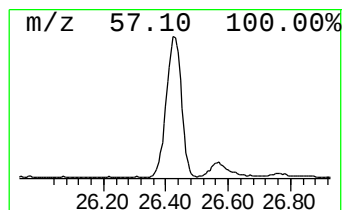
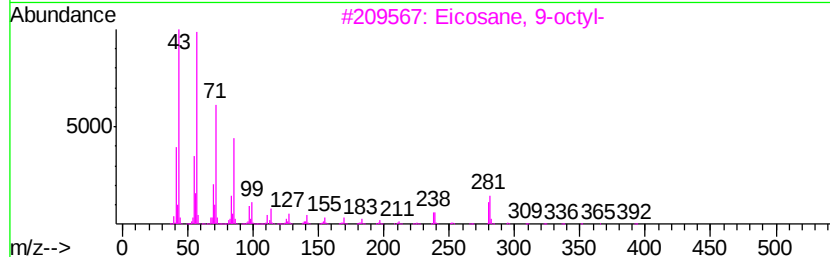
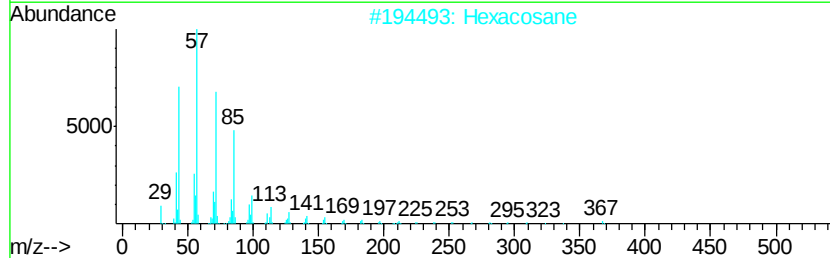
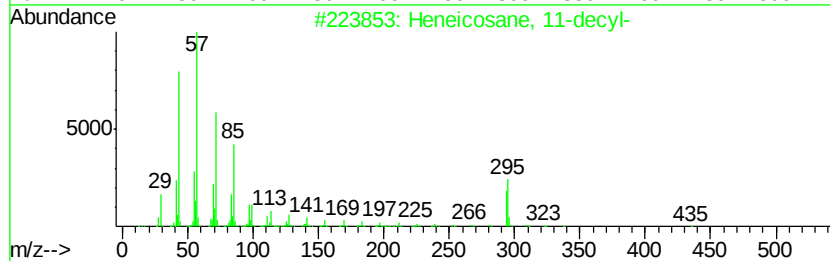
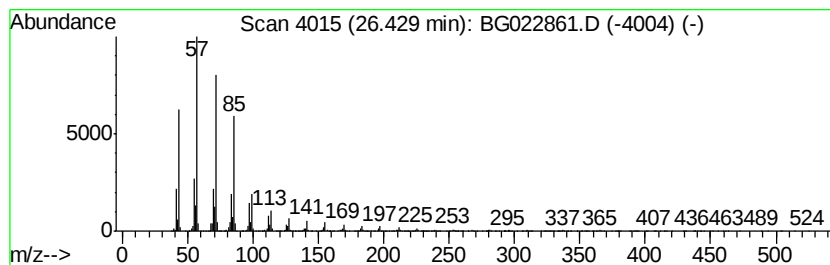
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.43	60.36 ng/ul	11157500	Perylene-d12	25.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	96
2		Hexacosane	366	C26H54	000630-01-3	91
3		Eicosane, 9-octyl-	394	C28H58	013475-77-9	91
4		2-methyloctacosane	408	C29H60	1000376-72-8	91
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
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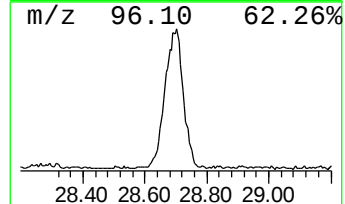
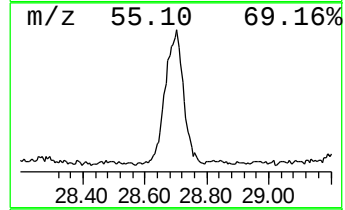
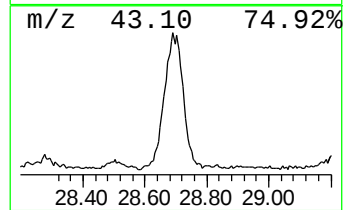
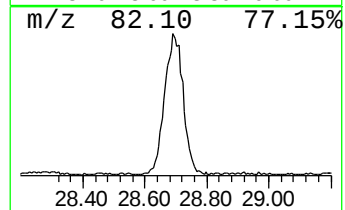
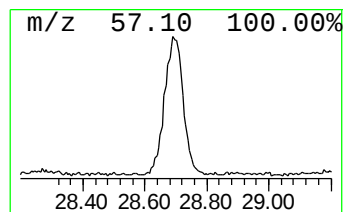
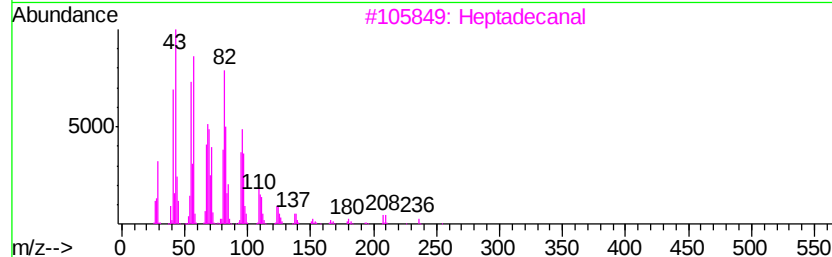
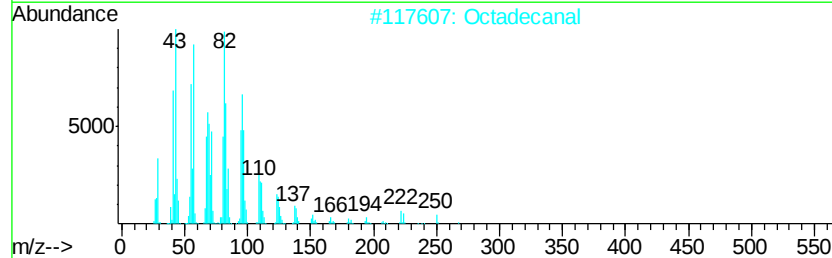
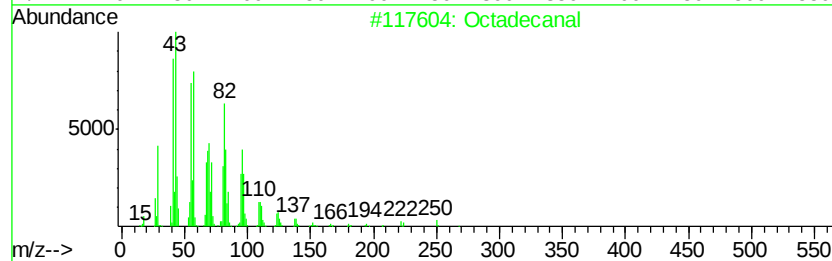
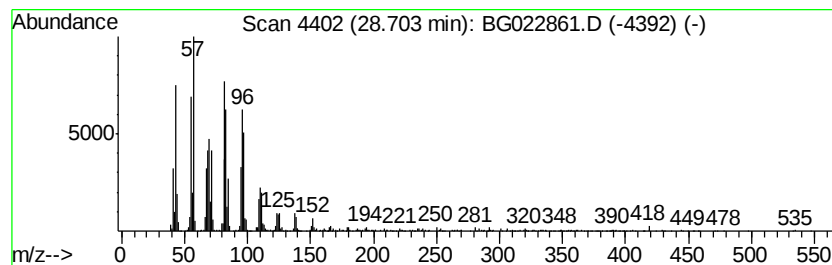
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Octadecanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.70	35.43 ng/ul	6549840	Perylene-d12	25.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanal	268	C18H36O	000638-66-4	91
2		Octadecanal	268	C18H36O	000638-66-4	90
3		Heptadecanal	254	C17H34O	1000376-70-0	89
4		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	80
5		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	74



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070516\
Data File : BG022861.D
Acq On : 5 Jul 2016 22:06
Operator : UM/SJ
Sample : H3811-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4TW4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
n-Hexadecanoic acid	18.42	14.4	ng/ul	2172640	4	17.55	3022270	20.0
(DEL) Alkane: Cyc...	19.54	4.1	ng/ul	620744	4	17.55	3022270	20.0
Octadecanoic acid	19.68	4.1	ng/ul	625457	4	17.55	3022270	20.0
(DEL) Alkane: Cyc...	21.46	12.1	ng/ul	2625310	5	21.85	4328240	20.0
Oxirane, tridecyl-	22.29	5.5	ng/ul	1192280	5	21.85	4328240	20.0
(DEL) Alkane: Cyc...	22.69	37.3	ng/ul	8078380	5	21.85	4328240	20.0
Tetradecanal	23.76	14.6	ng/ul	2704740	6	25.23	3697010	20.0
(DEL) Alkane: Cyc...	24.31	25.1	ng/ul	4642380	6	25.23	3697010	20.0
1,19-Eicosadiene	25.78	29.4	ng/ul	5432440	6	25.23	3697010	20.0
(DEL) Alkane: Str...	26.43	60.4	ng/ul	11157500	6	25.23	3697010	20.0
Octadecanal	28.70	35.4	ng/ul	6549840	6	25.23	3697010	20.0