LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018086.D
Acq On : 12 Dec 2018 08:41
Operator : JU/SJ
Sample : J6171-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y16

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.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	3.152	25	28	35	rVV	27194	34942	1.45%	0.095%
2	3.534	88	93	94	rBV4	12689	19179	0.80%	0.052%
3	3.605	101	105	109	rBV5	10669	18947	0.79%	0.051%
4	3.646	109	112	119	rVB3	18058	27563	1.14%	0.075%
5	3.710	119	123	125	rBV3	9141	12219	0.51%	0.033%
6	3.752	125	130	134	rVB	35756	57291	2.38%	0.156%
7	3.840	141	145	149	rBV	20161	28483	1.18%	0.077%
8	3.946	157	163	169	rVV2	33946	49555	2.06%	0.135%
9	4.005	169	173	176	rVB3	7392	10481	0.43%	0.028%
10	4.052	176	181	186	rBV4	5613	10154	0.42%	0.028%
11	4.163	196	200	204	rVB4	8947	12442	0.52%	0.034%
12	4.716	290	294	303	rVV2	56711	106235	4.41%	0.289%
13	4.828	309	313	320	rVB6	12447	24434	1.01%	0.066%
14	5.110	356	361	367	rBV3	18738	33755	1.40%	0.092%
15	5.234	377	382	391	rVB	35809	66503	2.76%	0.181%
16	5.457	414	420	425	rBV7	7976	16397	0.68%	0.045%
17	5.593	437	443	448	rVB2	27281	44145	1.83%	0.120%
18	5.975	504	508	514	rBV2	29328	48102	2.00%	0.131%
19	6.646	616	622	628	rVV2	15972	29529	1.23%	0.080%
20	6.704	628	632	633	rVV2	11865	18090	0.75%	0.049%
21	6.740	633	638	653	rVB2	456435	1006332	41.75%	2.735%
22	6.899	658	665	677	rBV	441156	681139	28.26%	1.851%
23	7.087	690	697	706	rVV	572270	906304	37.60%	2.463%
24	7.163	706	710	713	rVV5	14476	28066	1.16%	0.076%
25	7.193	713	715	723	rVV2	23192	30943	1.28%	0.084%
26	7.546	769	775	783	rVV	740257	1194757	49.57%	3.247%
27	7.616	784	787	791	rVV4	8497	15578	0.65%	0.042%
28	7.646	791	792	802	rVB5	12882	21655	0.90%	0.059%
29	7.751	806	810	814	rBV4	12231	17028	0.71%	0.046%
30	8.169	878	881	885	rBV2	8407	13409	0.56%	0.036%
31	8.263	890	897	909	rBV	582517	1029677	42.72%	2.799%
32	8.634	956	960	965	rBV3	6180	12846	0.53%	0.035%
33	8.704	965	972	987	rVV	505410	884799	36.71%	2.405%
34	8.851	990	997	1001	rBV2	8919	19518	0.81%	0.053%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018086.D
Acq On : 12 Dec 2018 08:41
Operator : JU/SJ
Sample : J6171-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y16

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Title : SVOA CALIBRATION

35	8.998	1017	1022	1029	rVV2	12944	22745	0.94%	0.062%
36	9.087	1033	1037	1048	rVB4	17799	33307	1.38%	0.091%
37	9.210	1053	1058	1065	rVB6	8845	17919	0.74%	0.049%
38	9.416	1086	1093	1104	rVV	408694	710203	29.47%	1.930%
39	9.510	1104	1109	1116	rVV2	24609	45105	1.87%	0.123%
40	9.592	1116	1123	1125	rVV4	6240	13754	0.57%	0.037%
41	9.716	1139	1144	1150	rVB4	12619	23250	0.96%	0.063%
42	9.951	1177	1184	1197	rBV	597666	1145162	47.51%	3.113%
43	10.087	1203	1207	1209	rBV3	6427	9967	0.41%	0.027%
44	10.128	1212	1214	1220	rVB5	13480	17089	0.71%	0.046%
45	10.316	1237	1246	1263	rVB	1016199	1750498	72.63%	4.758%
46	10.469	1265	1272	1287	rBV	382833	877802	36.42%	2.386%
47	10.875	1336	1341	1345	rBV	17879	28872	1.20%	0.078%
48	10.922	1345	1349	1356	rVV4	9016	18947	0.79%	0.051%
49	11.110	1375	1381	1385	rBV5	8925	19666	0.82%	0.053%
50	11.392	1424	1429	1434	rVB5	10758	20310	0.84%	0.055%
51	11.669	1472	1476	1483	rVB4	8128	18110	0.75%	0.049%
52	11.922	1515	1519	1525	rVV2	10032	15977	0.66%	0.043%
53	12.192	1558	1565	1569	rVV5	7331	13873	0.58%	0.038%
54	12.880	1676	1682	1685	rBV4	10044	18285	0.76%	0.050%
55	12.969	1692	1697	1699	rBV4	6877	11159	0.46%	0.030%
56	13.075	1709	1715	1720	rVV6	5963	12240	0.51%	0.033%
57	13.316	1751	1756	1760	rBV3	7851	12988	0.54%	0.035%
58	13.445	1772	1778	1783	rBV3	54495	95709	3.97%	0.260%
59	13.492	1783	1786	1792	rVV3	30822	47553	1.97%	0.129%
60	13.622	1798	1808	1812	rBV	1150593	1700723	70.57%	4.623%
61	13.669	1812	1816	1829	rVB	445756	694649	28.82%	1.888%
62	13.886	1846	1853	1861	rBV	1335172	1973932	81.90%	5.365%
63	13.951	1861	1864	1868	rVV4	21681	31944	1.33%	0.087%
64	14.010	1868	1874	1876	rVV6	12702	22842	0.95%	0.062%
65	14.033	1876	1878	1882	rVB5	12242	15732	0.65%	0.043%
66	14.080	1883	1886	1893	rVB8	13162	22575	0.94%	0.061%
67	14.198	1896	1906	1915	rBV2	1441670	2216877	91.98%	6.026%
68	14.345	1927	1931	1934	rVB4	10756	17014	0.71%	0.046%
69	14.457	1944	1950	1962	rBV2	161934	458260	19.01%	1.246%
70	14.657	1979	1984	1993	rVB9	23994	71745	2.98%	0.195%
71	14.727	1993	1996	2001	rVB6	11054	15769	0.65%	0.043%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018086.D
Acq On : 12 Dec 2018 08:41
Operator : JU/SJ
Sample : J6171-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y16

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Title : SVOA CALIBRATION

72	15.057	2048	2052	2059	rVV6	11080	21604	0.90%	0.059%
73	15.198	2070	2076	2090	rVV	1609599	2410147	100.00%	6.551%
74	15.351	2096	2102	2110	rBV2	65659	123344	5.12%	0.335%
75	15.486	2114	2125	2132	rVB6	105061	214072	8.88%	0.582%
76	15.769	2170	2173	2177	rBV6	6800	10122	0.42%	0.028%
77	15.945	2196	2203	2208	rBV	52314	104378	4.33%	0.284%
78	16.327	2266	2268	2274	rVB7	9003	13543	0.56%	0.037%
79	16.727	2332	2336	2337	rBV3	19541	22411	0.93%	0.061%
80	16.774	2340	2344	2348	rVB2	44449	66467	2.76%	0.181%
81	16.957	2369	2375	2381	rBV	1648952	2343085	97.22%	6.369%
82	17.057	2386	2392	2402	rVV	1586746	2297557	95.33%	6.245%
83	17.145	2405	2407	2412	rVV6	11451	13881	0.58%	0.038%
84	17.274	2423	2429	2431	rBV7	13898	26113	1.08%	0.071%
85	17.374	2444	2446	2451	rVB5	25167	32703	1.36%	0.089%
86	17.457	2458	2460	2463	rVB4	16003	17433	0.72%	0.047%
87	17.810	2517	2520	2523	rBV5	12765	19484	0.81%	0.053%
88	17.868	2523	2530	2541	rVV	544850	827903	34.35%	2.250%
89	18.162	2576	2580	2583	rBV5	16726	25560	1.06%	0.069%
90	18.798	2686	2688	2689	rBV2	19205	13717	0.57%	0.037%
91	19.157	2745	2749	2757	rBV	267791	412567	17.12%	1.121%
92	19.309	2771	2775	2779	rBV	236714	273983	11.37%	0.745%
93	19.362	2779	2784	2792	rVV2	1397717	2025734	84.05%	5.506%
94	20.251	2931	2935	2939	rBV	263926	316689	13.14%	0.861%
95	20.298	2940	2943	2950	rVV7	86620	184028	7.64%	0.500%
96	20.362	2951	2954	2959	rVB	173866	209037	8.67%	0.568%
97	20.892	3041	3044	3051	rVB	388360	493149	20.46%	1.340%
98	21.168	3087	3091	3098	rBV	1451052	1880396	78.02%	5.111%
99	23.209	3433	3438	3447	rVB	946184	1773927	73.60%	4.822%
100	23.344	3455	3461	3469	rVB	1003113	1844695	76.54%	5.014%

Sum of corrected areas: 36790778

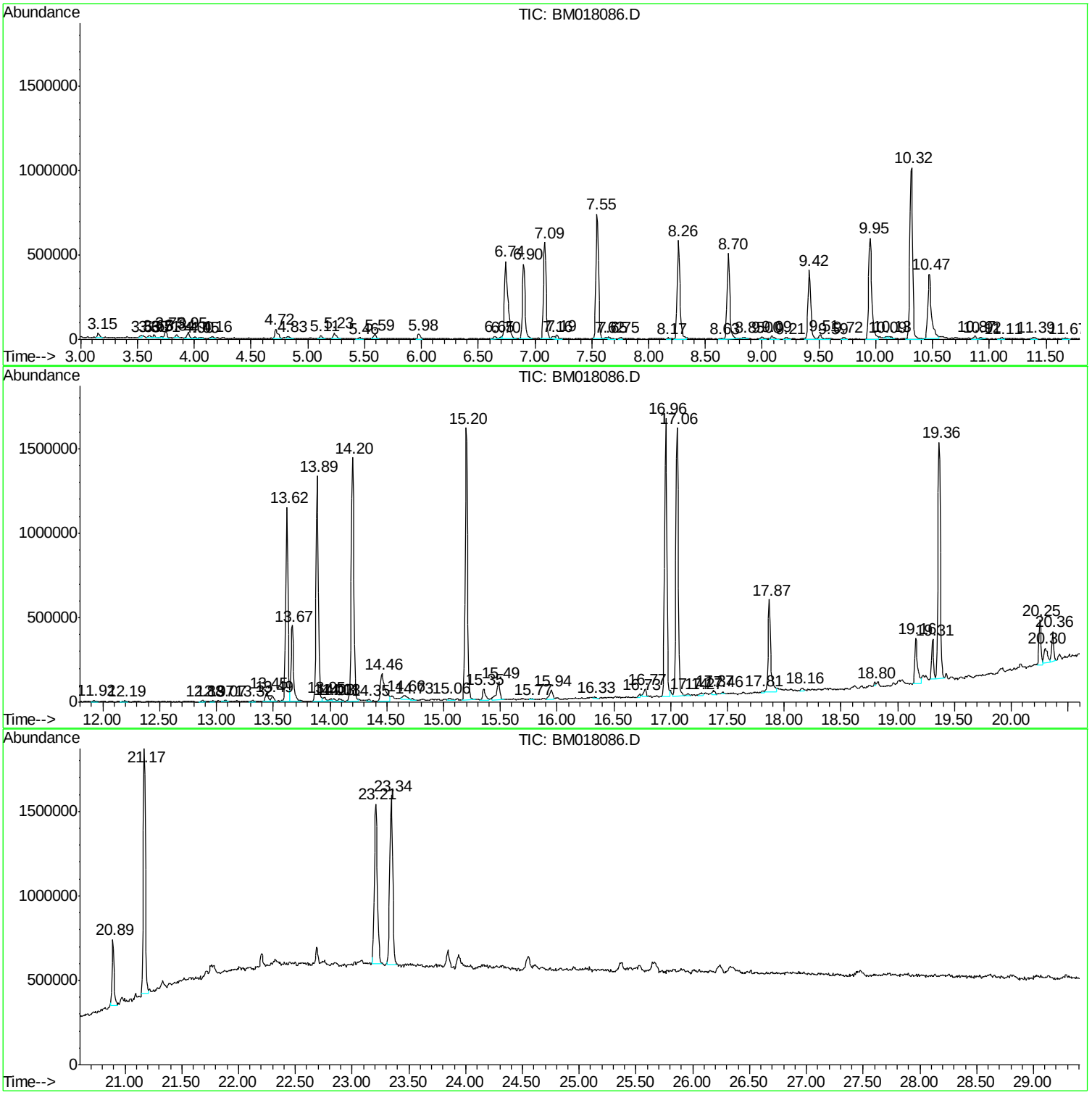
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018086.D
Acq On : 12 Dec 2018 08:41
Operator : JU/SJ
Sample : J6171-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018086.D
Acq On : 12 Dec 2018 08:41
Operator : JU/SJ
Sample : J6171-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

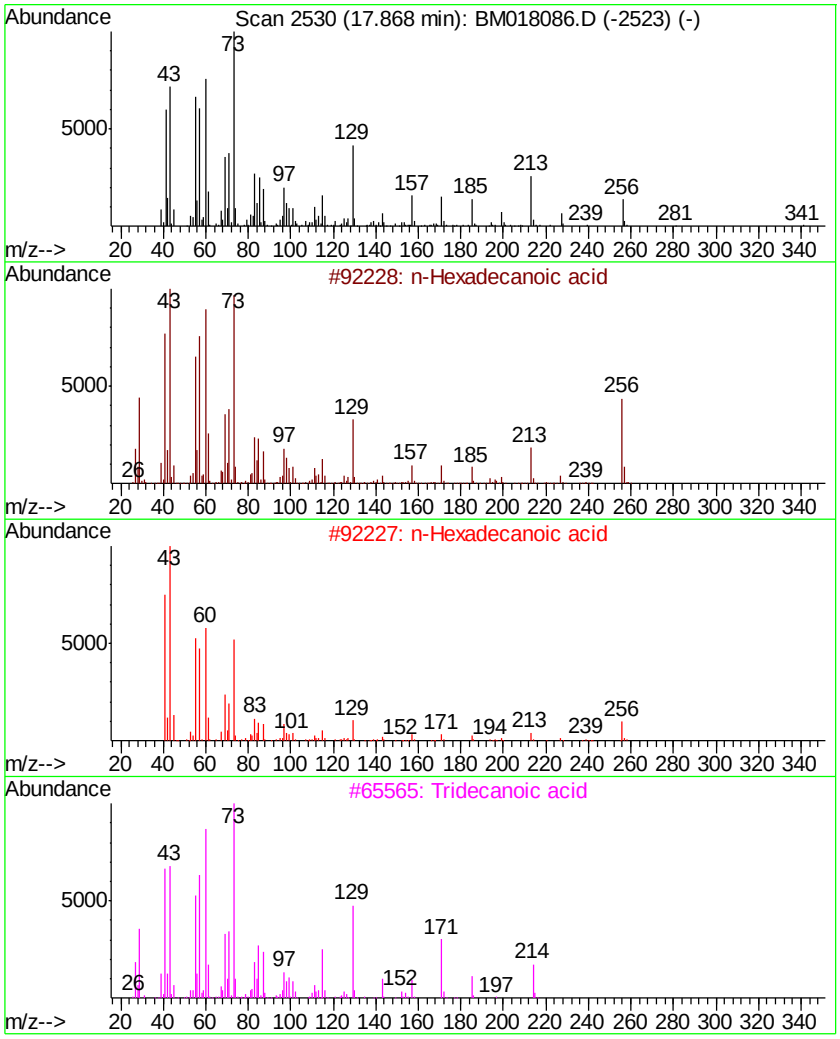
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

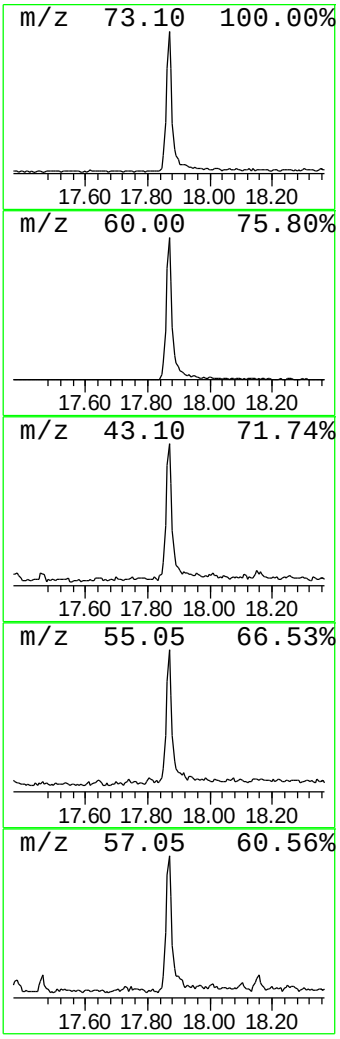
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	7.07 ng/ul	827903	Phenanthrene-d10	16.96

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	97
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Tridecanoic acid	214	C13H26O2	000638-53-9	76
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018086.D
Acq On : 12 Dec 2018 08:41
Operator : JU/SJ
Sample : J6171-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

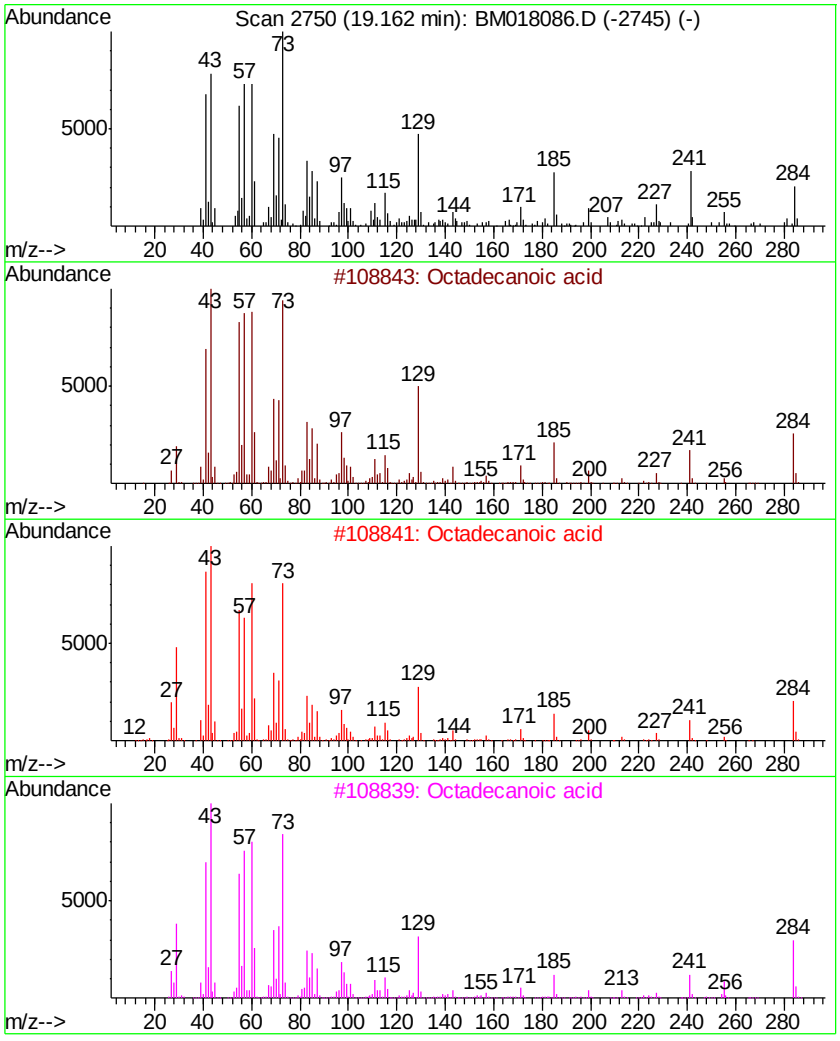
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

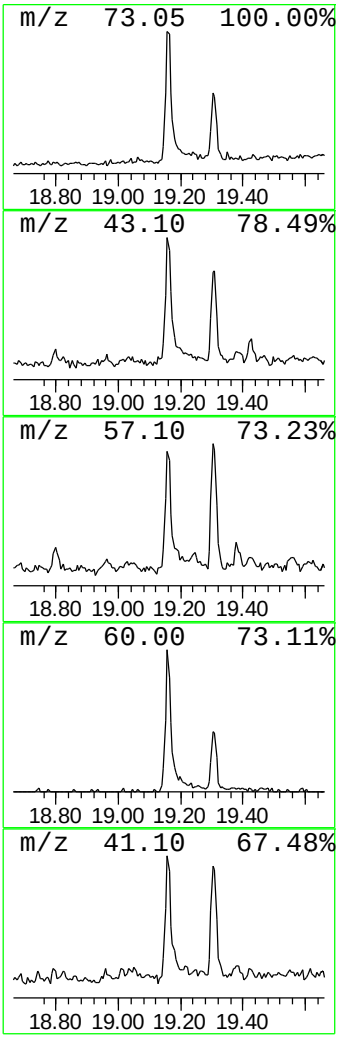
****

Peak Number 2 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	4.39 ng/ul	412567	Chrysene-d12	21.17

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	Pentadecanoic acid	242	C15H30O2	001002-84-2	78
5	Octadecanoic acid	284	C18H36O2	000057-11-4	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018086.D
Acq On : 12 Dec 2018 08:41
Operator : JU/SJ
Sample : J6171-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

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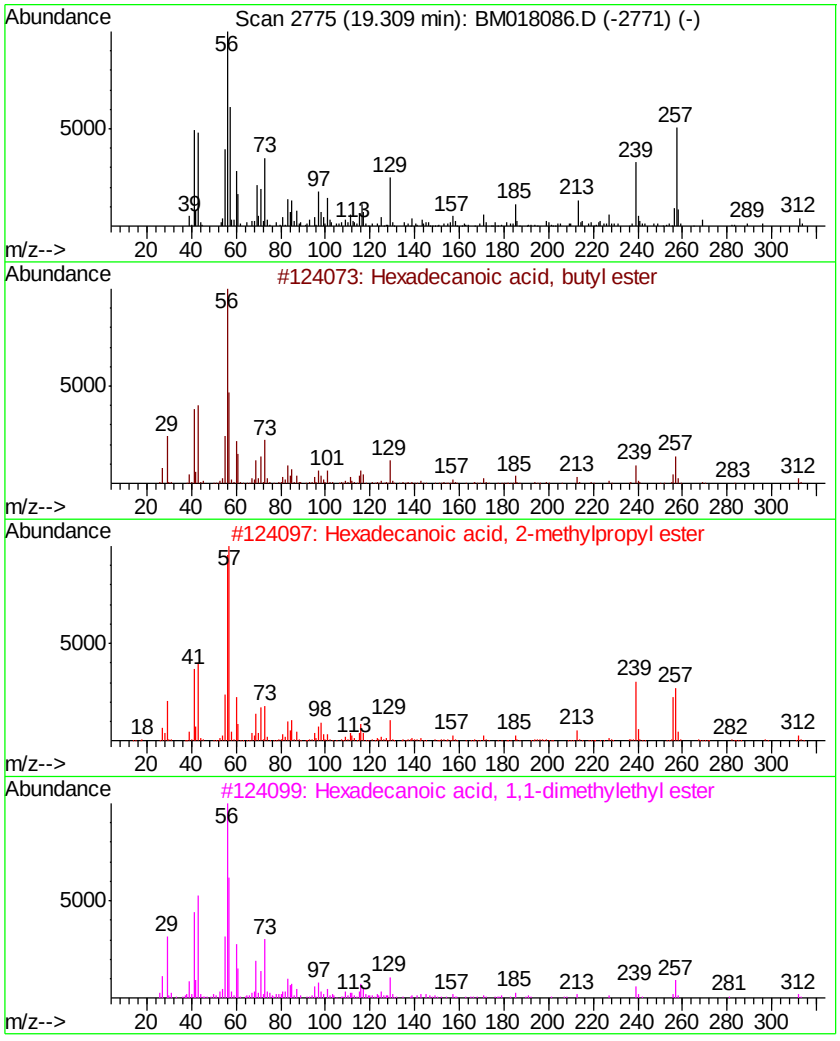
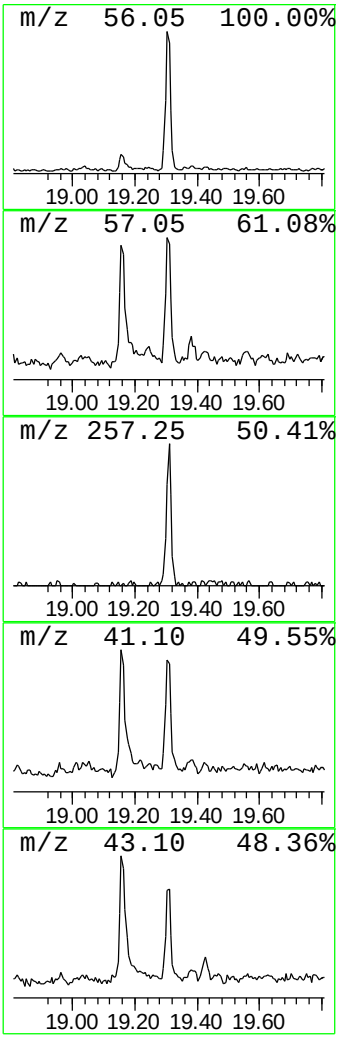
Peak Number 3 Hexadecanoic acid, butyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	2.91 ng/ul	273983	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	93
2	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	89
3	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	83
4	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	76
5	Nordextromethorphan	257	C17H23NO	051195-74-5	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018086.D
Acq On : 12 Dec 2018 08:41
Operator : JU/SJ
Sample : J6171-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

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

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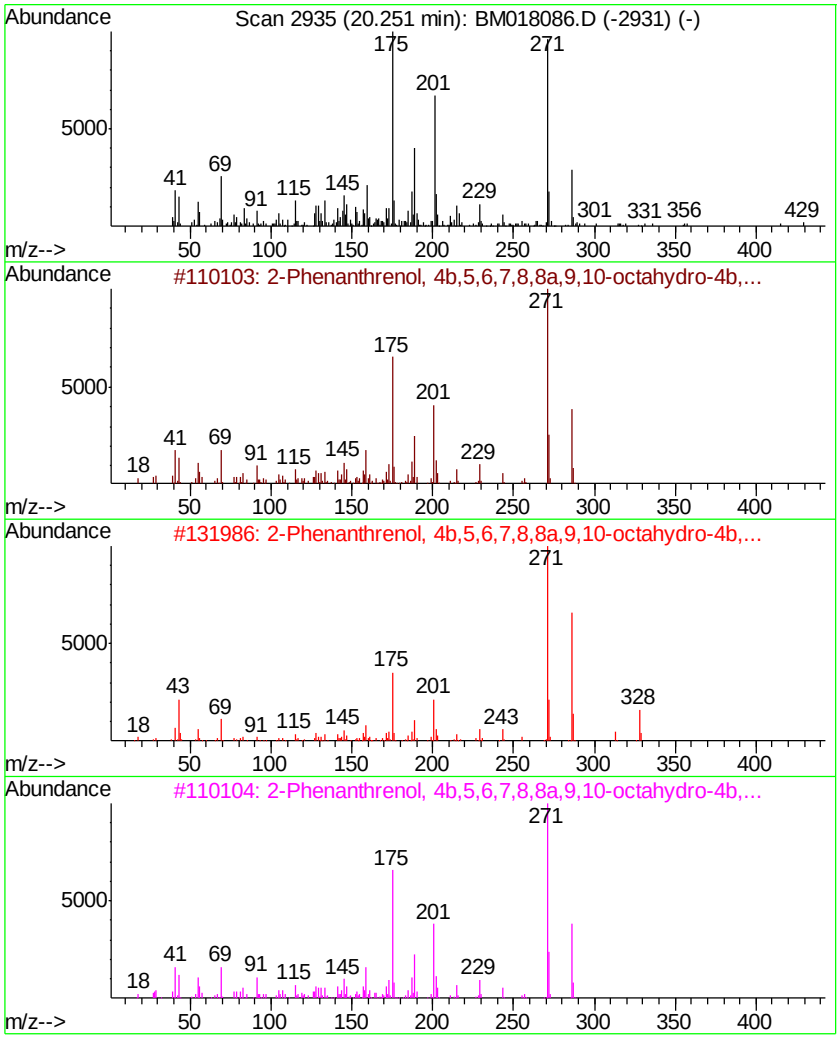
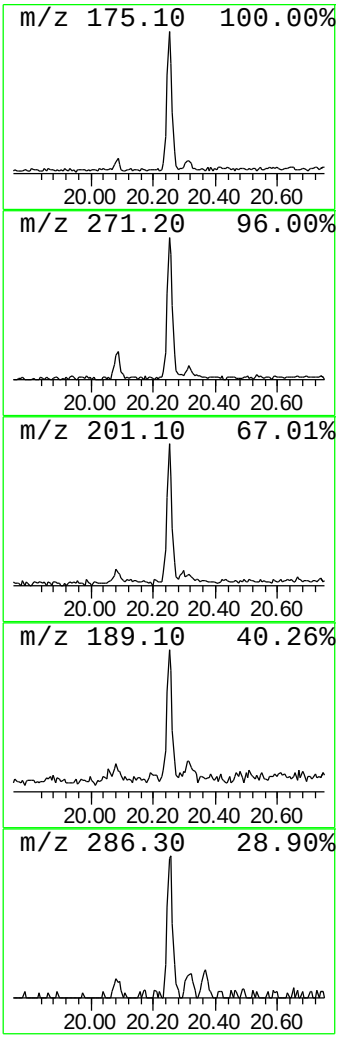
Peak Number 4 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	3.37 ng/ul	316689	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	90
2	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	328	C22H32O2	015340-82-6	52
3	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	49
4	Pyrrolidine, 1-[5-(1,3-benzodiox...	271	C16H17NO3	025924-78-1	38
5	2,2-Bis(4'-methoxyphenyl)-2-etho...	286	C18H22O3	1000283-53-7	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018086.D
Acq On : 12 Dec 2018 08:41
Operator : JU/SJ
Sample : J6171-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

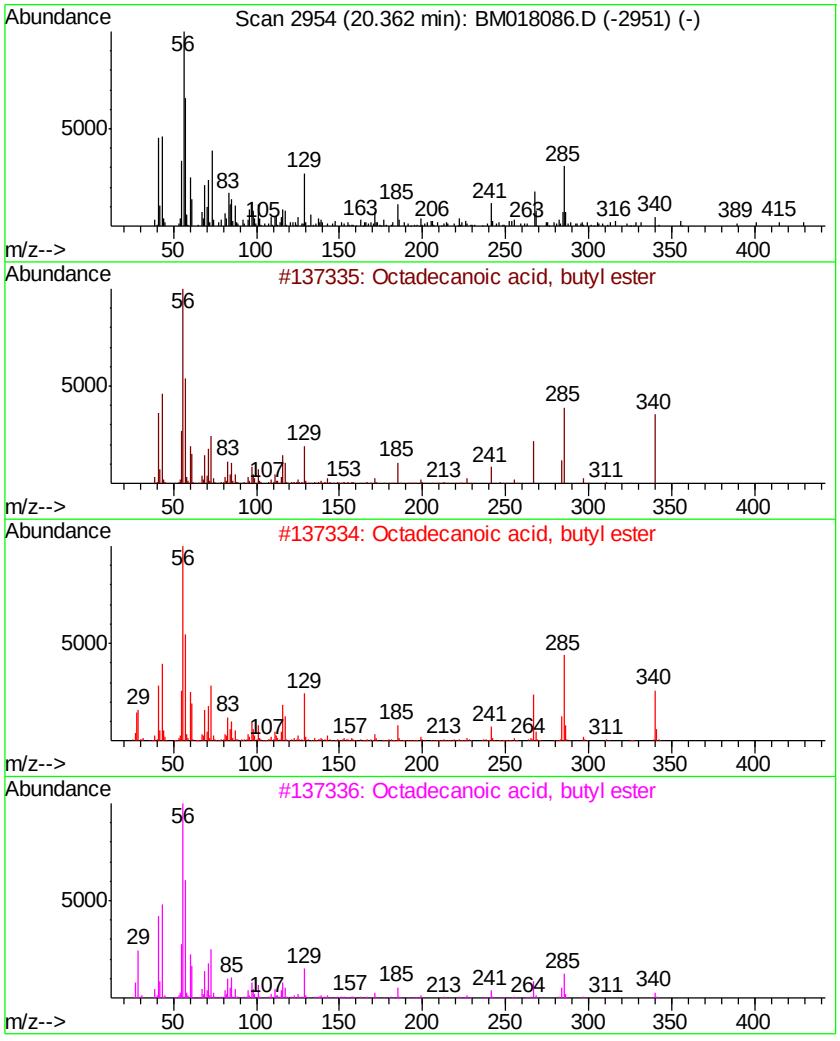
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

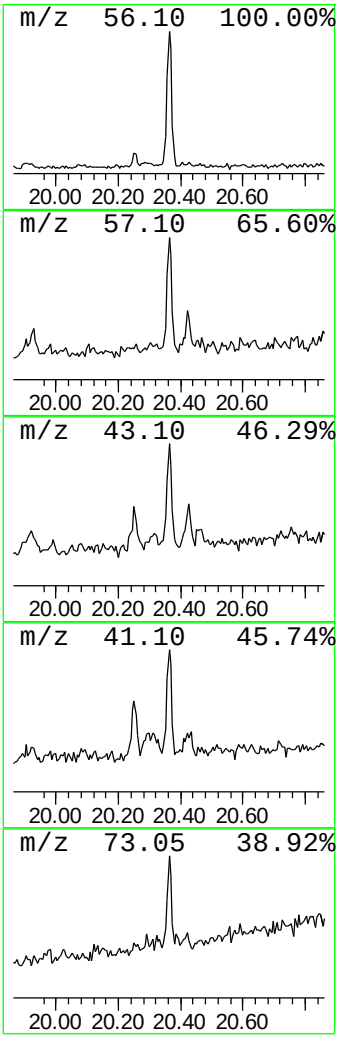
****

Peak Number 5 Octadecanoic acid, butyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	2.22 ng/ul	209037	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	93
2	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	91
3	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	90
4	Nipecotic acid	129	C6H11NO2	000498-95-3	47
5	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\
Data File : BM018086.D
Acq On : 12 Dec 2018 08:41
Operator : JU/SJ
Sample : J6171-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

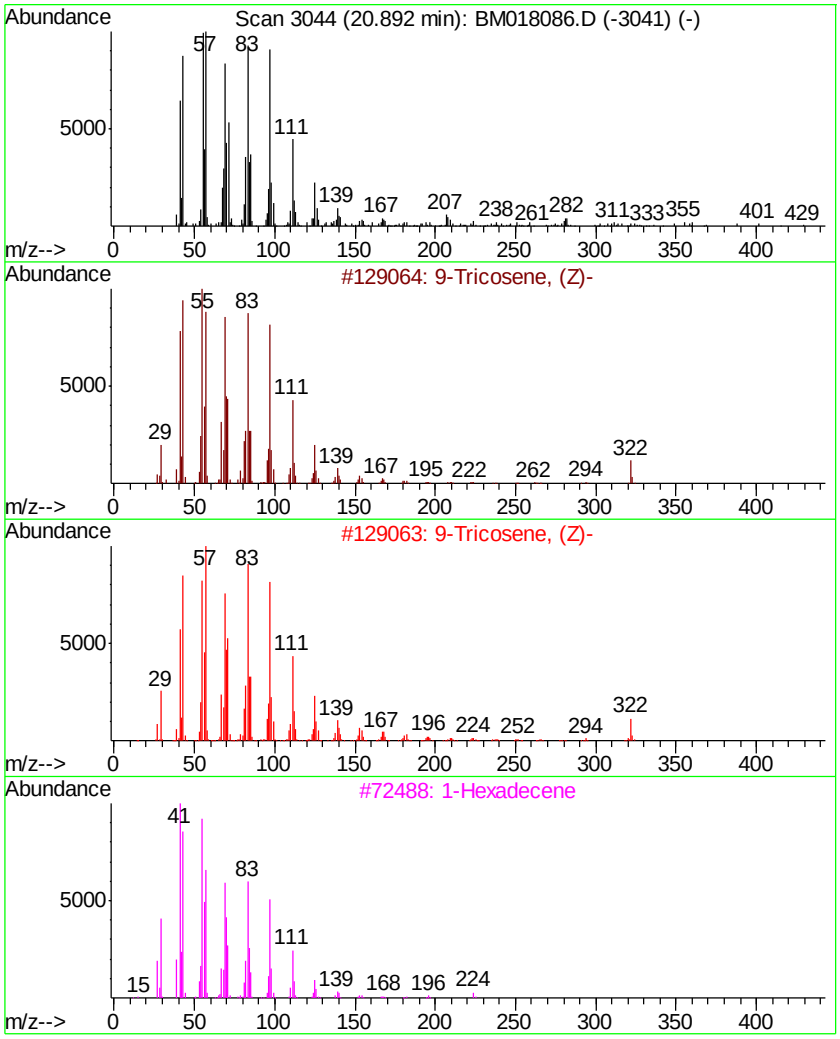
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

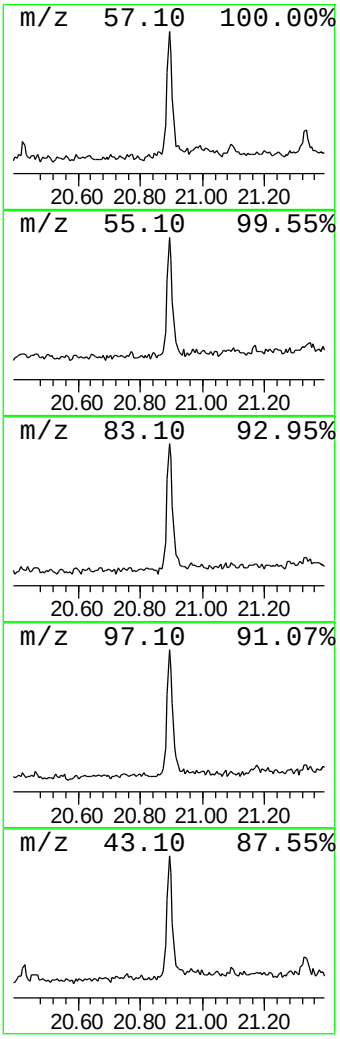
****

Peak Number 6 (DEL) Alkane: Cyclic20.89 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	5.25 ng/ul	493149	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	96
2	9-Tricosene, (Z)-	322	C23H46	027519-02-4	96
3	1-Hexadecene	224	C16H32	000629-73-2	95
4	1-Tricosene	322	C23H46	018835-32-0	95
5	Cyclotetracosane	336	C24H48	000297-03-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121118\
Data File : BM018086.D
Acq On : 12 Dec 2018 08:41
Operator : JU/SJ
Sample : J6171-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9Y16

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.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
n-Hexadecanoic acid	17.87	7.1	ng/ul	827903	4	16.96	2343090	20.0
Octadecanoic acid	19.16	4.4	ng/ul	412567	5	21.17	1880400	20.0
Hexadecanoic acid...	19.31	2.9	ng/ul	273983	5	21.17	1880400	20.0
2-Phenanthrenol, ...	20.25	3.4	ng/ul	316689	5	21.17	1880400	20.0
Octadecanoic acid...	20.36	2.2	ng/ul	209037	5	21.17	1880400	20.0
(DEL) Alkane: Cyc...	20.89	5.3	ng/ul	493149	5	21.17	1880400	20.0