LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021646.D
Acq On : 25 Jul 2019 21:04
Operator : HP/JU
Sample : K3850-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BENR9

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-BM072319MA.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	6.875	656	661	672	rVB	337955	594566	13.11%	1.246%
2	7.045	685	690	704	rVB	273574	465711	10.27%	0.976%
3	7.234	716	722	730	rVB	360658	585812	12.92%	1.228%
4	7.698	795	801	810	rVB	510176	807243	17.80%	1.692%
5	8.216	884	889	899	rVB2	93326	168325	3.71%	0.353%
6	8.404	916	921	930	rVB	278763	472021	10.41%	0.989%
7	8.528	938	942	950	rVB	93480	152823	3.37%	0.320%
8	8.863	993	999	1012	rVB	398072	684351	15.09%	1.435%
9	9.575	1114	1120	1129	rBV	323256	545951	12.04%	1.144%
10	9.657	1129	1134	1139	rBV2	33848	54327	1.20%	0.114%
11	9.939	1179	1182	1191	rVB4	13931	25038	0.55%	0.052%
12	10.110	1204	1211	1222	rVB	503290	905574	19.97%	1.898%
13	10.480	1267	1274	1280	rBV	808188	1318845	29.08%	2.765%
14	10.527	1280	1282	1286	rVB2	12212	14758	0.33%	0.031%
15	10.639	1294	1301	1313	rBV2	269750	612954	13.52%	1.285%
16	11.522	1448	1451	1453	rBV5	4248	5618	0.12%	0.012%
17	11.586	1459	1462	1469	rVB6	9324	15794	0.35%	0.033%
18	11.680	1475	1478	1485	rVB6	6714	13374	0.29%	0.028%
19	11.886	1506	1513	1518	rBV6	8474	15667	0.35%	0.033%
20	12.074	1541	1545	1552	rVB4	7529	14031	0.31%	0.029%
21	12.169	1553	1561	1569	rVB3	38425	72951	1.61%	0.153%
22	12.374	1591	1596	1601	rVB	8470	16187	0.36%	0.034%
23	12.939	1686	1692	1697	rBV3	5167	8480	0.19%	0.018%
24	13.145	1724	1727	1729	rBV3	7505	8921	0.20%	0.019%
25	13.174	1729	1732	1736	rVB	4822	7192	0.16%	0.015%
26	13.227	1736	1741	1745	rVB6	9500	14376	0.32%	0.030%
27	13.304	1748	1754	1759	rVB7	4218	9119	0.20%	0.019%
28	13.498	1784	1787	1788	rBV3	5716	5647	0.12%	0.012%
29	13.663	1805	1815	1819	rBV4	12262	25460	0.56%	0.053%
30	13.710	1819	1823	1826	rVV3	25386	38243	0.84%	0.080%
31	13.757	1826	1831	1836	rVV	1088974	1549953	34.18%	3.249%
32	13.810	1836	1840	1851	rVB	388477	556728	12.28%	1.167%
33	13.892	1851	1854	1857	rBV3	5909	6947	0.15%	0.015%
34	14.033	1870	1878	1892	rBV	1320198	2027598	44.71%	4.250%

LSC Area Percent Report

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Acq On : 25 Jul 2019 21:04
Operator : HP/JU
Sample : K3850-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BENR9

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-BM072319MA.M
Title : SVOA CALIBRATION

35	14.227	1905	1911	1915	rBV2	13567	20845	0.46%	0.044%
36	14.345	1924	1931	1938	rBV	1378711	2119382	46.73%	4.443%
37	14.404	1938	1941	1949	rVB3	17461	27722	0.61%	0.058%
38	14.580	1965	1971	1983	rBV	178173	394497	8.70%	0.827%
39	14.751	1993	2000	2004	rBV3	31526	66966	1.48%	0.140%
40	14.786	2004	2006	2009	rVV3	16484	21434	0.47%	0.045%
41	14.815	2009	2011	2015	rVV3	14389	19130	0.42%	0.040%
42	14.851	2015	2017	2022	rVB6	5721	6573	0.14%	0.014%
43	14.962	2031	2036	2038	rBV5	6596	11959	0.26%	0.025%
44	15.015	2041	2045	2049	rBV5	7924	11507	0.25%	0.024%
45	15.133	2057	2065	2068	rBV5	13342	24135	0.53%	0.051%
46	15.186	2068	2074	2077	rVV5	19797	30321	0.67%	0.064%
47	15.215	2077	2079	2084	rVB4	4650	7077	0.16%	0.015%
48	15.339	2094	2100	2106	rBV	1812351	2581043	56.91%	5.410%
49	15.398	2106	2110	2114	rVB2	24584	40821	0.90%	0.086%
50	15.480	2119	2124	2135	rBV	200498	309296	6.82%	0.648%
51	15.580	2137	2141	2146	rBV3	23260	42237	0.93%	0.089%
52	15.686	2156	2159	2160	rBV3	9816	10780	0.24%	0.023%
53	15.809	2176	2180	2182	rBV5	11368	16678	0.37%	0.035%
54	15.839	2183	2185	2190	rVB5	11343	16556	0.37%	0.035%
55	15.974	2204	2208	2212	rBV7	8751	20078	0.44%	0.042%
56	16.068	2217	2224	2230	rVV5	35263	92121	2.03%	0.193%
57	16.392	2276	2279	2283	rVB2	41561	50833	1.12%	0.107%
58	16.992	2378	2381	2388	rVB5	55399	80018	1.76%	0.168%
59	17.056	2389	2392	2393	rBV3	45652	46126	1.02%	0.097%
60	17.098	2393	2399	2403	rVV	1897571	2750867	60.66%	5.766%
61	17.139	2403	2406	2410	rVV	415868	523755	11.55%	1.098%
62	17.198	2410	2416	2425	rVV	2053685	3057105	67.41%	6.408%
63	17.992	2547	2551	2560	rVB2	675569	1040628	22.95%	2.181%
64	18.162	2576	2580	2585	rBV3	491956	671604	14.81%	1.408%
65	18.221	2587	2590	2594	rVB	175082	239102	5.27%	0.501%
66	18.450	2625	2629	2632	rBV	255462	329225	7.26%	0.690%
67	19.015	2722	2725	2734	rVB4	250751	458456	10.11%	0.961%
68	19.156	2745	2749	2755	rVB	1090662	1488139	32.81%	3.119%
69	19.274	2766	2769	2770	rBV2	333726	344286	7.59%	0.722%
70	19.362	2781	2784	2787	rBV	148641	180093	3.97%	0.378%
71	19.497	2801	2807	2810	rBV	3007566	4420003	97.46%	9.265%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3850-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BENR9

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-BM072319MA.M
Title : SVOA CALIBRATION

72	19.745	2846	2849	2853	rVB	341767	369913	8.16%	0.775%
73	20.997	3059	3062	3072	rVB4	581914	969487	21.38%	2.032%
74	21.286	3106	3111	3116	rBV2	2939400	4535155	100.00%	9.506%
75	22.827	3370	3373	3376	rBV	619339	832865	18.36%	1.746%
76	23.397	3464	3470	3475	rBV	2137685	3777271	83.29%	7.918%
77	23.538	3489	3494	3500	rVB	1558161	2750336	60.64%	5.765%
78	24.032	3575	3578	3585	rVB	641631	1079310	23.80%	2.262%

Sum of corrected areas: 47706320

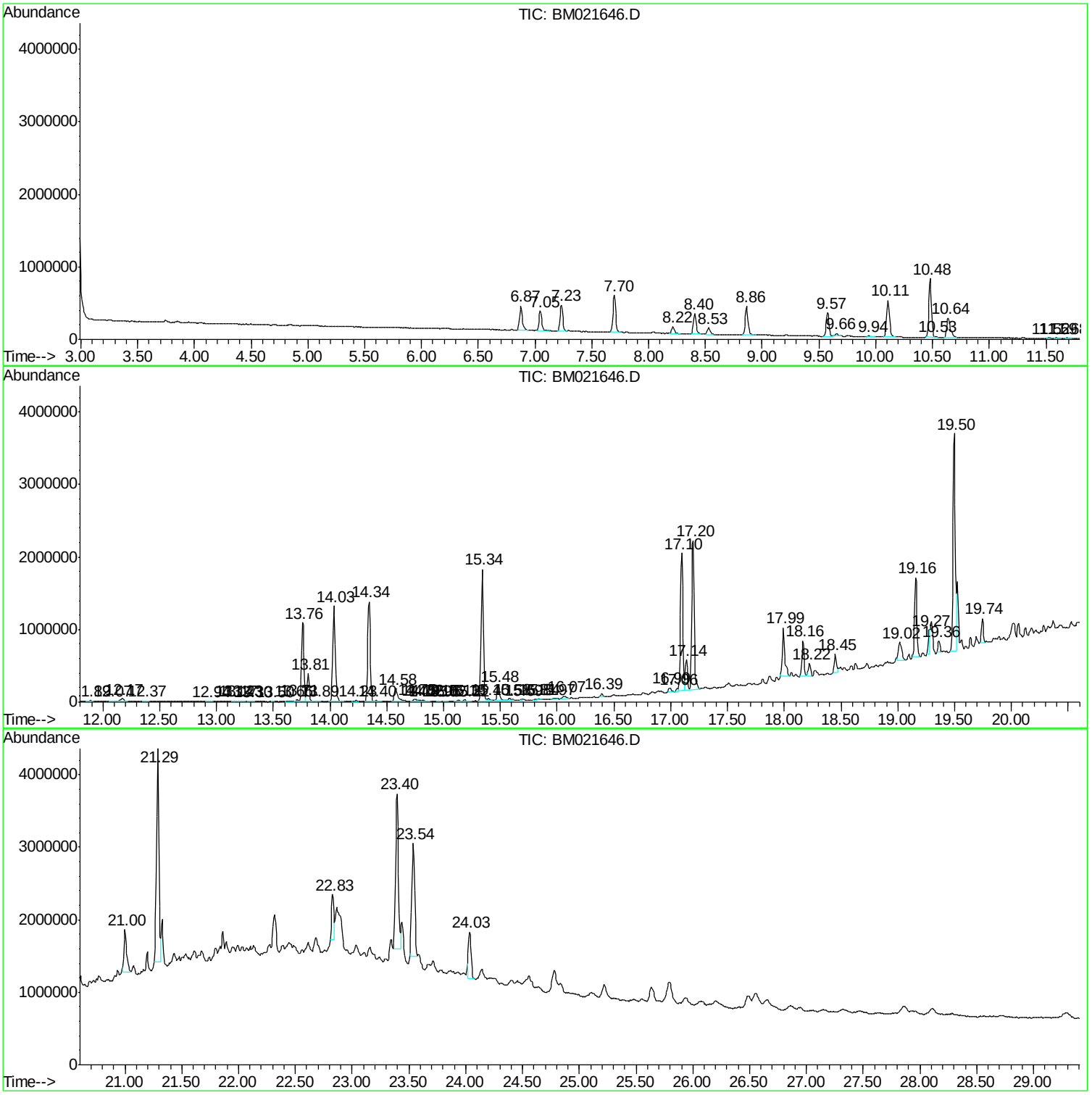
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021646.D
Acq On : 25 Jul 2019 21:04
Operator : HP/JU
Sample : K3850-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BENR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021646.D
Acq On : 25 Jul 2019 21:04
Operator : HP/JU
Sample : K3850-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BENR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION

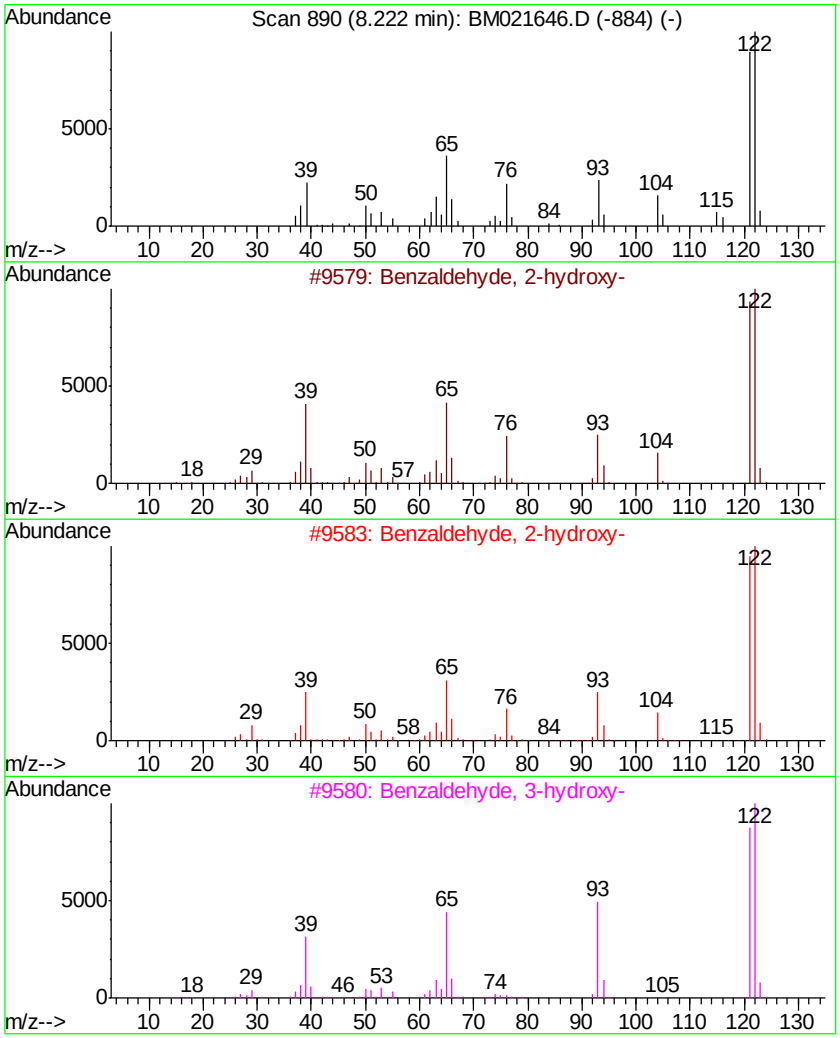
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

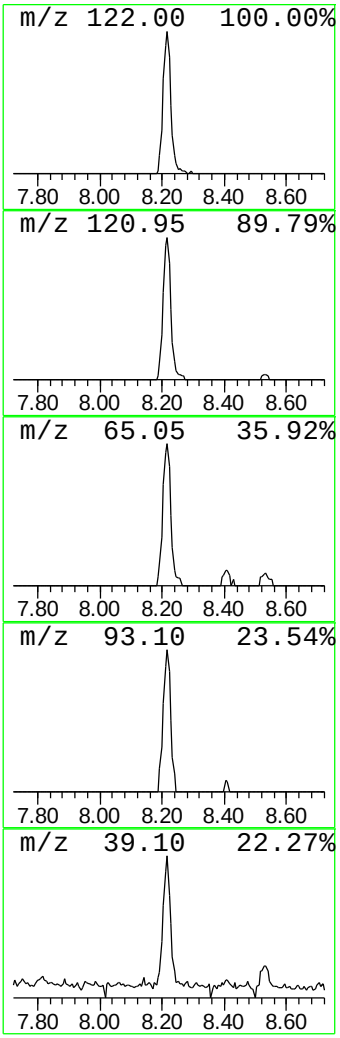
****

Peak Number 1 Benzaldehyde, 2-hydroxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	4.17 ng/ul	168325	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2-hydroxy-	122	C7H6O2	000090-02-8	95
2	Benzaldehyde, 2-hydroxy-	122	C7H6O2	000090-02-8	94
3	Benzaldehyde, 3-hydroxy-	122	C7H6O2	000100-83-4	90
4	Benzaldehyde, 3-hydroxy-	122	C7H6O2	000100-83-4	81
5	Benzaldehyde, 3-hydroxy-	122	C7H6O2	000100-83-4	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021646.D
Acq On : 25 Jul 2019 21:04
Operator : HP/JU
Sample : K3850-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BENR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION

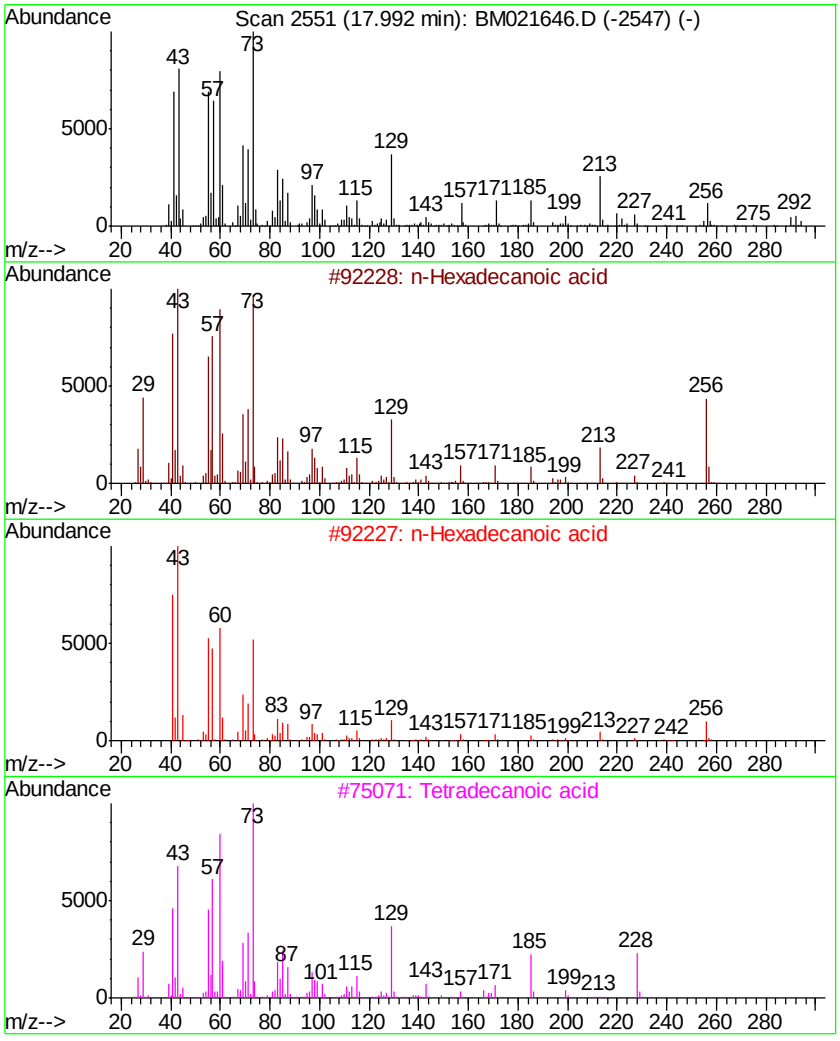
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

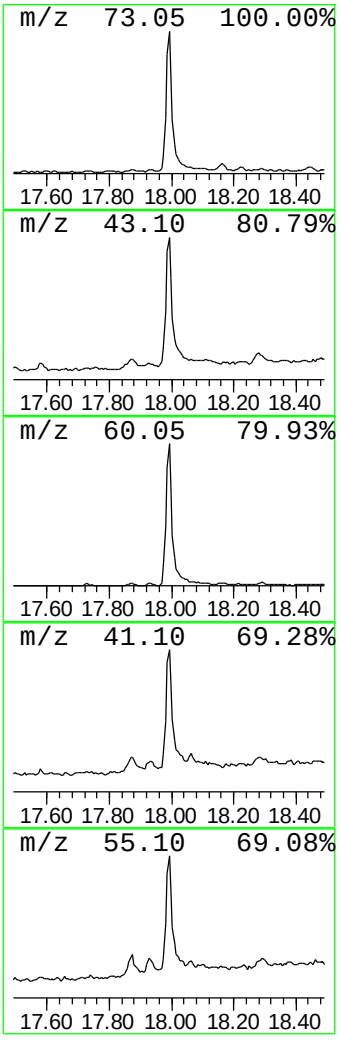
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	7.57 ng/ul	1040630	Phenanthrene-d10	17.10

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	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	72
5	Tridecanoic acid	214	C13H26O2	000638-53-9	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021646.D
Acq On : 25 Jul 2019 21:04
Operator : HP/JU
Sample : K3850-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BENR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION

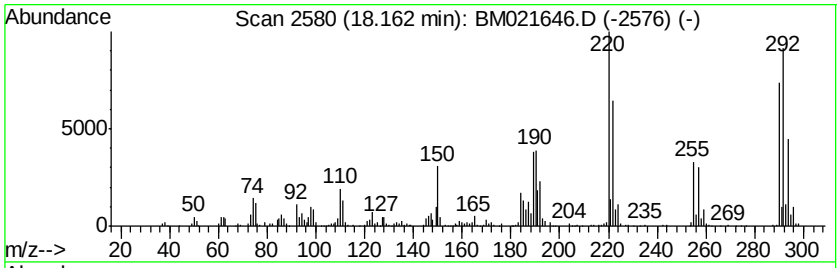
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

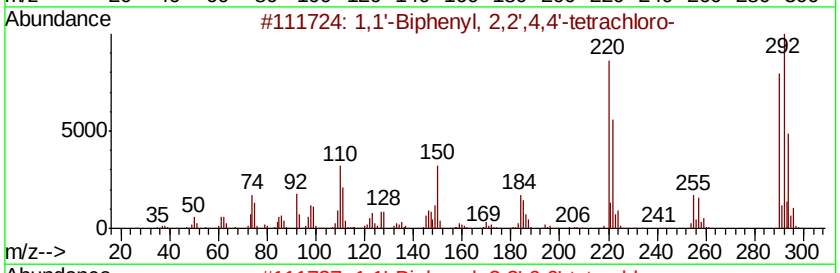
****

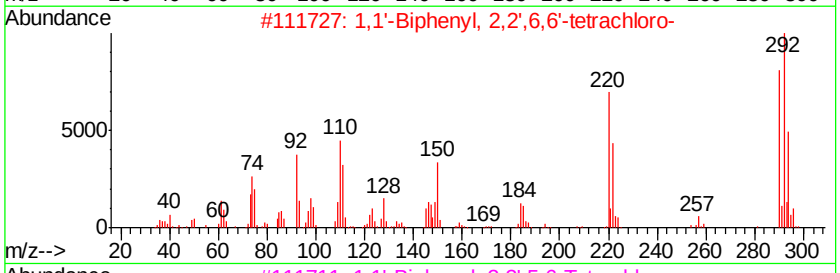
Peak Number 3 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 3

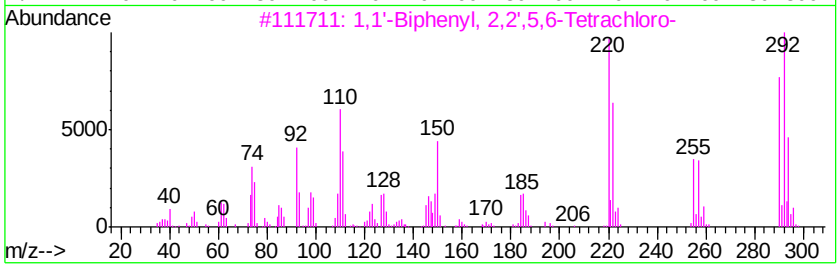
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	4.88 ng/ul	671604	Phenanthrene-d10	17.10

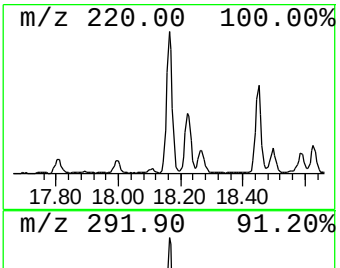
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99

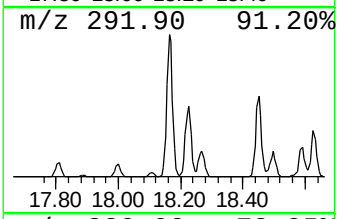


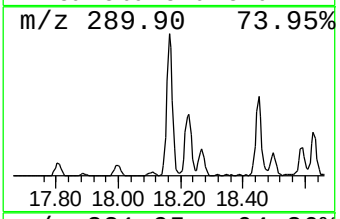


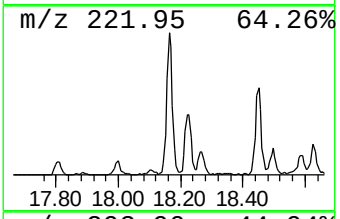


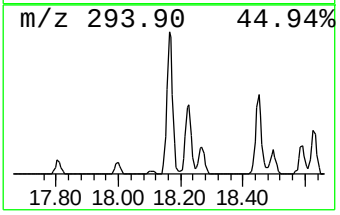












Library Search Compound Report

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Data File : BM021646.D
Acq On : 25 Jul 2019 21:04
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Sample : K3850-12
Misc :
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Instrument : BNA_M
ClientSampleId : BENR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION

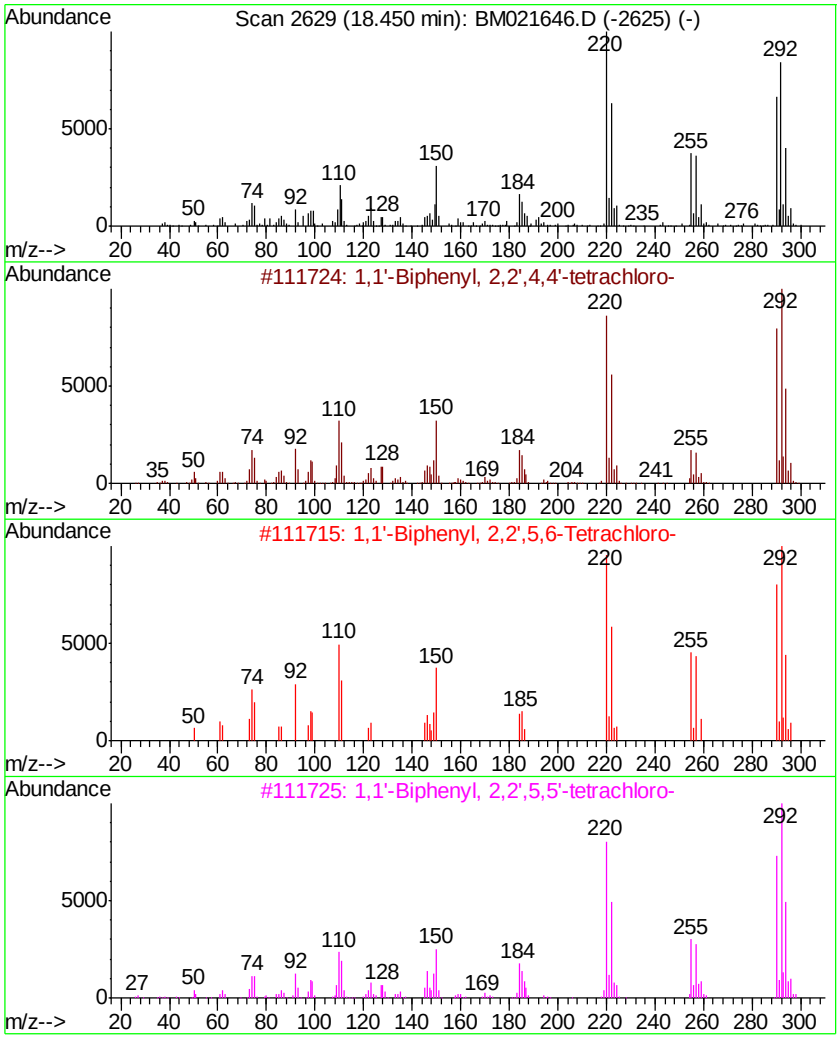
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

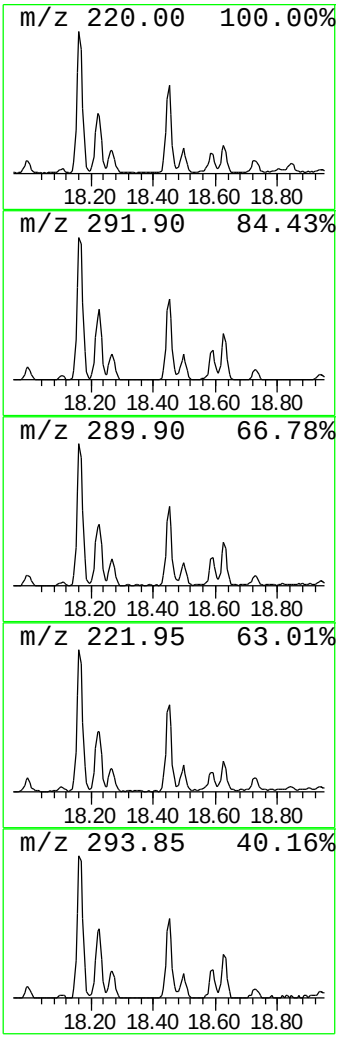
****

Peak Number 4 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.39 ng/ul	329225	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





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Data File : BM021646.D
Acq On : 25 Jul 2019 21:04
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Sample : K3850-12
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Instrument : BNA_M
ClientSampleId : BENR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION

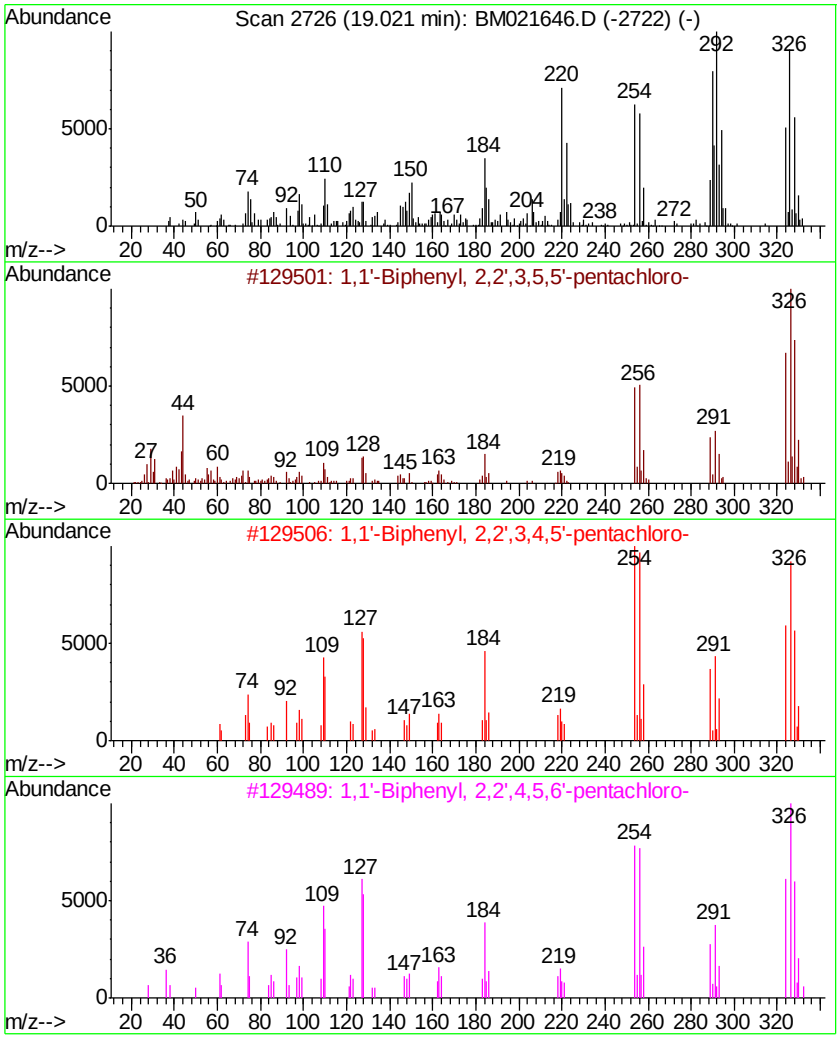
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

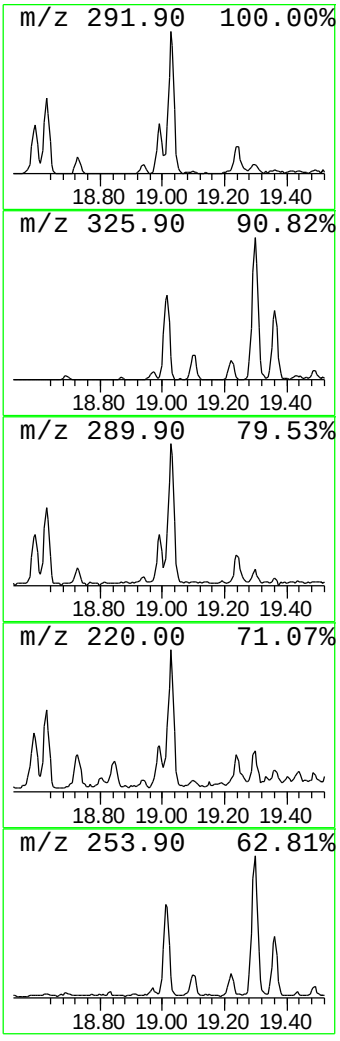
****

Peak Number 5 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.33 ng/ul	458456	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
2	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	97
3	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	96
4	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	96
5	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	96





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Data File : BM021646.D
Acq On : 25 Jul 2019 21:04
Operator : HP/JU
Sample : K3850-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BENR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION

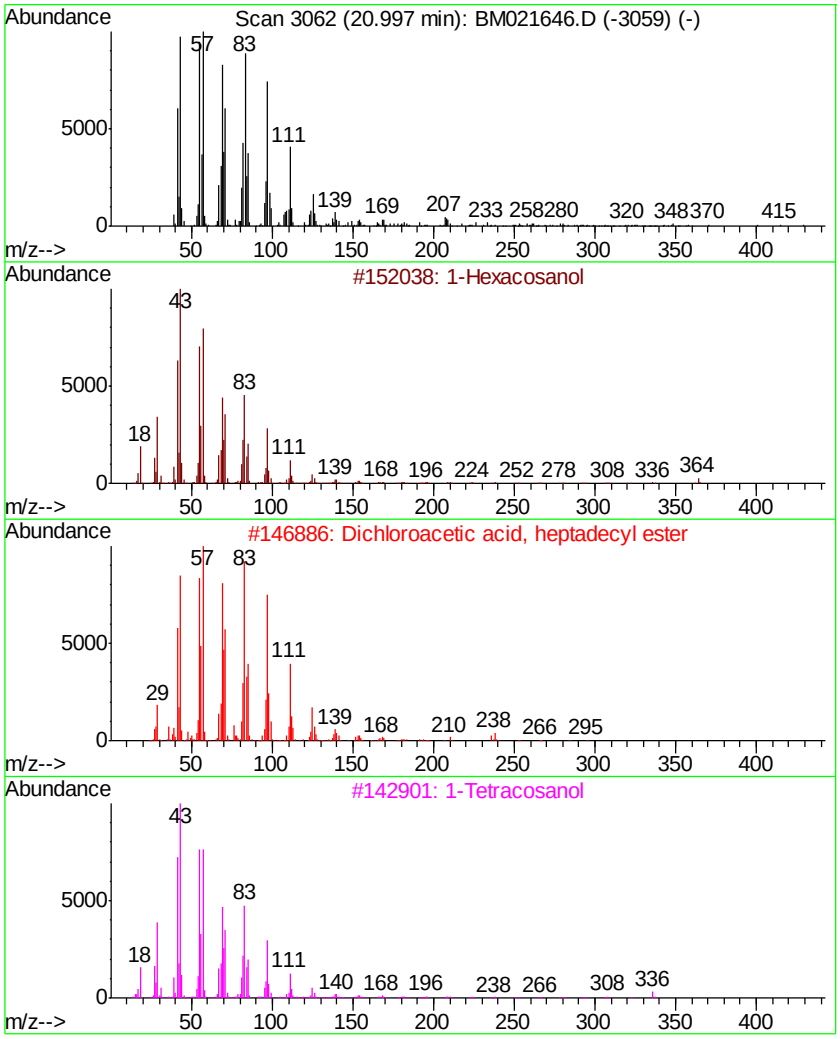
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

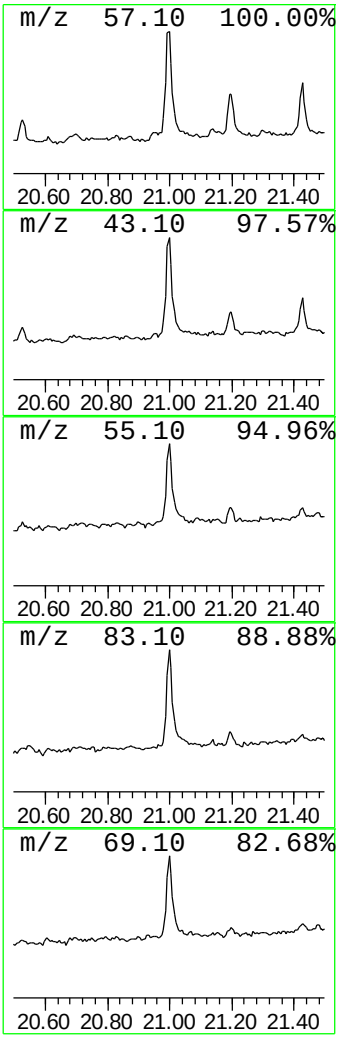
****

Peak Number 6 1-Hexacosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	4.28 ng/ul	969487	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosanol	382	C26H54O	000506-52-5	91
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	90
3	1-Tetracosanol	354	C24H50O	000506-51-4	90
4	1-Tricosene	322	C23H46	018835-32-0	89
5	Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021646.D
Acq On : 25 Jul 2019 21:04
Operator : HP/JU
Sample : K3850-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BENR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION

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

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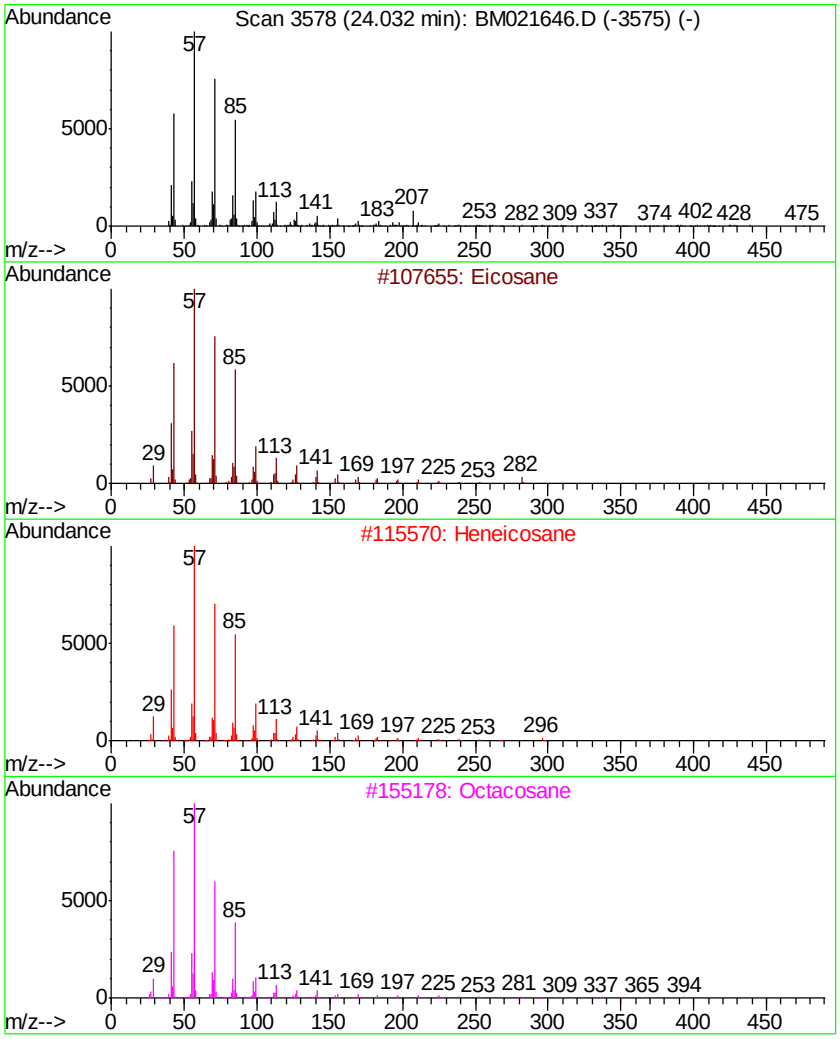
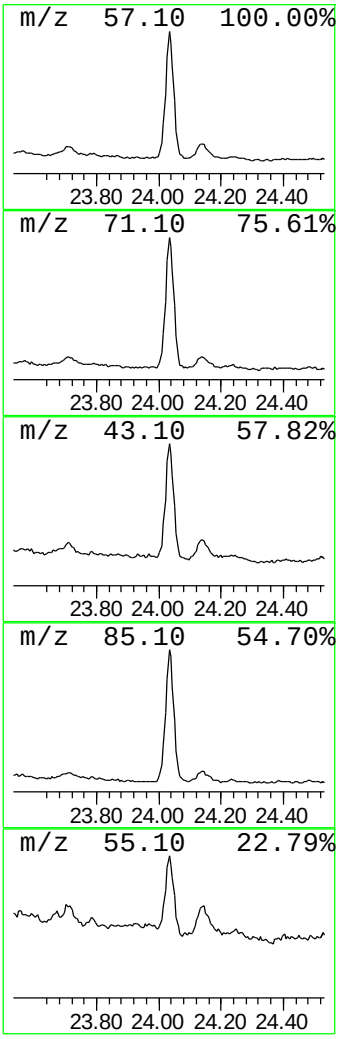
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.03	7.85 ng/ul	1079310	Perylene-d12	23.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Heneicosane	296	C21H44	000629-94-7	96
3	Octacosane	394	C28H58	000630-02-4	91
4	Nonacosane	408	C29H60	000630-03-5	91
5	Tetracosane	338	C24H50	000646-31-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072519\
Data File : BM021646.D
Acq On : 25 Jul 2019 21:04
Operator : HP/JU
Sample : K3850-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BENR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.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
Benzaldehyde, 2-h...	8.22	4.2	ng/ul	168325	1	7.70	807243	20.0
n-Hexadecanoic acid	17.99	7.6	ng/ul	1040630	4	17.10	2750870	20.0
1,1'-Biphenyl, 2,...	18.16	4.9	ng/ul	671604	4	17.10	2750870	20.0
1,1'-Biphenyl, 2,...	18.45	2.4	ng/ul	329225	4	17.10	2750870	20.0
1,1'-Biphenyl, 2,...	19.02	3.3	ng/ul	458456	4	17.10	2750870	20.0
1-Hexacosanol	21.00	4.3	ng/ul	969487	5	21.29	4535160	20.0
(DEL) Alkane: Str...	24.03	7.8	ng/ul	1079310	6	23.54	2750340	20.0