LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029964.D
Acq On : 12 May 2021 04:37
Operator : CG/JU
Sample : M2194-09
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : YARR3

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\SFAM-EPA-BM050721.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	3.058	27	29	35	rBV2	26560	34106	0.81%	0.083%
2	3.687	131	136	142	rVB	20535	35615	0.85%	0.087%
3	3.775	148	151	158	rVB4	9330	13356	0.32%	0.032%
4	3.875	166	168	173	rVB6	6064	8016	0.19%	0.019%
5	5.622	461	465	472	rBV2	15362	28466	0.68%	0.069%
6	5.951	517	521	524	rBV5	4616	6902	0.16%	0.017%
7	6.740	649	655	669	rBV	99616	225839	5.39%	0.549%
8	6.893	675	681	696	rBV	400181	725221	17.29%	1.763%
9	7.081	706	713	726	rBV	502890	855777	20.41%	2.081%
10	7.540	785	791	802	rBV	466923	800219	19.08%	1.946%
11	7.757	823	828	832	rBV6	2628	5277	0.13%	0.013%
12	8.263	907	914	932	rBV	323661	637155	15.19%	1.549%
13	8.434	939	943	947	rVB6	3363	4449	0.11%	0.011%
14	8.698	981	988	1008	rBV	556158	1021067	24.35%	2.483%
15	8.875	1013	1018	1023	rVB8	5344	11546	0.28%	0.028%
16	9.110	1053	1058	1063	rVB7	5782	10105	0.24%	0.025%
17	9.416	1102	1110	1127	rBV	465433	863103	20.58%	2.099%
18	9.739	1159	1165	1169	rBV8	3842	6477	0.15%	0.016%
19	9.951	1194	1201	1224	rBV	569262	1225567	29.23%	2.980%
20	10.316	1256	1263	1281	rVB	722933	1209359	28.84%	2.941%
21	10.492	1287	1293	1308	rBV3	23851	72956	1.74%	0.177%
22	10.986	1375	1377	1384	rBV5	3172	5809	0.14%	0.014%
23	11.339	1431	1437	1440	rBV5	2817	5773	0.14%	0.014%
24	11.933	1531	1538	1543	rBV6	6755	14924	0.36%	0.036%
25	12.539	1635	1641	1645	rBV5	6072	8665	0.21%	0.021%
26	12.798	1680	1685	1691	rVB7	7647	12542	0.30%	0.030%
27	13.022	1719	1723	1727	rBV7	6114	11238	0.27%	0.027%
28	13.098	1727	1736	1751	rVV	722660	1147472	27.36%	2.790%
29	13.433	1788	1793	1798	rVB8	4966	9585	0.23%	0.023%
30	13.610	1817	1823	1828	rBV	1515747	2135262	50.92%	5.192%
31	13.657	1828	1831	1842	rVV	122994	205127	4.89%	0.499%
32	13.733	1842	1844	1850	rVB6	5403	6859	0.16%	0.017%
33	13.880	1860	1869	1882	rBV	1705130	2532168	60.39%	6.157%
34	14.004	1886	1890	1896	rVB9	5147	11820	0.28%	0.029%

LSC Area Percent Report

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Operator : CG/JU
Sample : M2194-09
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : YARR3

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\SFAM-EPA-BM050721.M
Title : SVOA CALIBRATION

35	14.104	1904	1907	1912	rVB5	8300	12339	0.29%	0.030%
36	14.192	1912	1922	1932	rBV	1115067	1661385	39.62%	4.040%
37	14.304	1937	1941	1945	rVB7	6370	9135	0.22%	0.022%
38	14.463	1962	1968	1975	rBV4	21861	67166	1.60%	0.163%
39	14.645	1995	1999	2003	rVB7	4755	7704	0.18%	0.019%
40	15.004	2056	2060	2062	rBV5	5982	7699	0.18%	0.019%
41	15.033	2062	2065	2066	rVV2	6764	7282	0.17%	0.018%
42	15.063	2066	2070	2074	rVB	22676	27272	0.65%	0.066%
43	15.110	2074	2078	2081	rBV5	4935	5637	0.13%	0.014%
44	15.186	2085	2091	2107	rBV	2094444	3163857	75.45%	7.693%
45	15.327	2110	2115	2129	rBV2	1199904	1898928	45.28%	4.618%
46	15.433	2129	2133	2137	rVB	22130	34301	0.82%	0.083%
47	15.757	2183	2188	2196	rBV3	28741	50210	1.20%	0.122%
48	15.880	2206	2209	2212	rBV5	5552	6257	0.15%	0.015%
49	15.921	2212	2216	2220	rBV	31358	45438	1.08%	0.110%
50	16.098	2243	2246	2250	rBV5	7345	11495	0.27%	0.028%
51	16.180	2256	2260	2263	rBV	11439	16883	0.40%	0.041%
52	16.263	2271	2274	2279	rBV7	6746	11150	0.27%	0.027%
53	16.433	2300	2303	2310	rVB9	9002	16134	0.38%	0.039%
54	16.498	2310	2314	2316	rBV5	6565	8034	0.19%	0.020%
55	16.674	2340	2344	2346	rBV4	7152	10321	0.25%	0.025%
56	16.715	2347	2351	2356	rVV2	36599	53609	1.28%	0.130%
57	16.763	2357	2359	2365	rVB5	11045	17303	0.41%	0.042%
58	16.868	2375	2377	2381	rBV5	5827	7300	0.17%	0.018%
59	16.939	2383	2389	2399	rBV	1313106	1823084	43.48%	4.433%
60	17.039	2399	2406	2419	rBV	2503664	3592066	85.66%	8.735%
61	17.180	2426	2430	2436	rBV9	14993	28795	0.69%	0.070%
62	17.257	2438	2443	2452	rVV	117852	187083	4.46%	0.455%
63	17.339	2454	2457	2468	rVB7	31424	61842	1.47%	0.150%
64	17.451	2473	2476	2480	rVB	24727	32116	0.77%	0.078%
65	17.621	2501	2505	2513	rVB4	22310	42367	1.01%	0.103%
66	17.851	2538	2544	2552	rBV	199458	341969	8.16%	0.832%
67	18.139	2589	2593	2599	rVB2	26049	37199	0.89%	0.090%
68	18.280	2614	2617	2620	rVB5	14149	15941	0.38%	0.039%
69	18.715	2686	2691	2699	rBV2	58203	106040	2.53%	0.258%
70	18.780	2699	2702	2710	rVV5	23700	52153	1.24%	0.127%
71	18.968	2731	2734	2740	rBV2	31067	72626	1.73%	0.177%

LSC Area Percent Report

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Sample : M2194-09
Misc :
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Instrument : BNA_M
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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
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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Title : SVOA CALIBRATION

72	19.033	2741	2745	2750	rVB	277771	329108	7.85%	0.800%
73	19.133	2759	2762	2768	rBV	47168	71155	1.70%	0.173%
74	19.221	2774	2777	2781	rVB	26843	35024	0.84%	0.085%
75	19.333	2790	2796	2812	rBV	2919004	4193322	100.00%	10.197%
76	19.492	2820	2823	2826	rVB3	32808	38937	0.93%	0.095%
77	19.868	2883	2887	2890	rBV2	91417	126717	3.02%	0.308%
78	20.227	2944	2948	2953	rBV	176831	202310	4.82%	0.492%
79	20.850	3050	3054	3062	rBV	311106	483647	11.53%	1.176%
80	21.127	3096	3101	3112	rBV	1380657	1861441	44.39%	4.526%
81	22.633	3354	3357	3362	rVB2	115204	161788	3.86%	0.393%
82	23.144	3437	3444	3455	rBV	2175636	4059496	96.81%	9.871%
83	23.280	3460	3467	3481	rVB	975096	1850019	44.12%	4.499%
84	23.780	3549	3552	3559	rVB2	150206	253117	6.04%	0.615%

Sum of corrected areas: 41124023

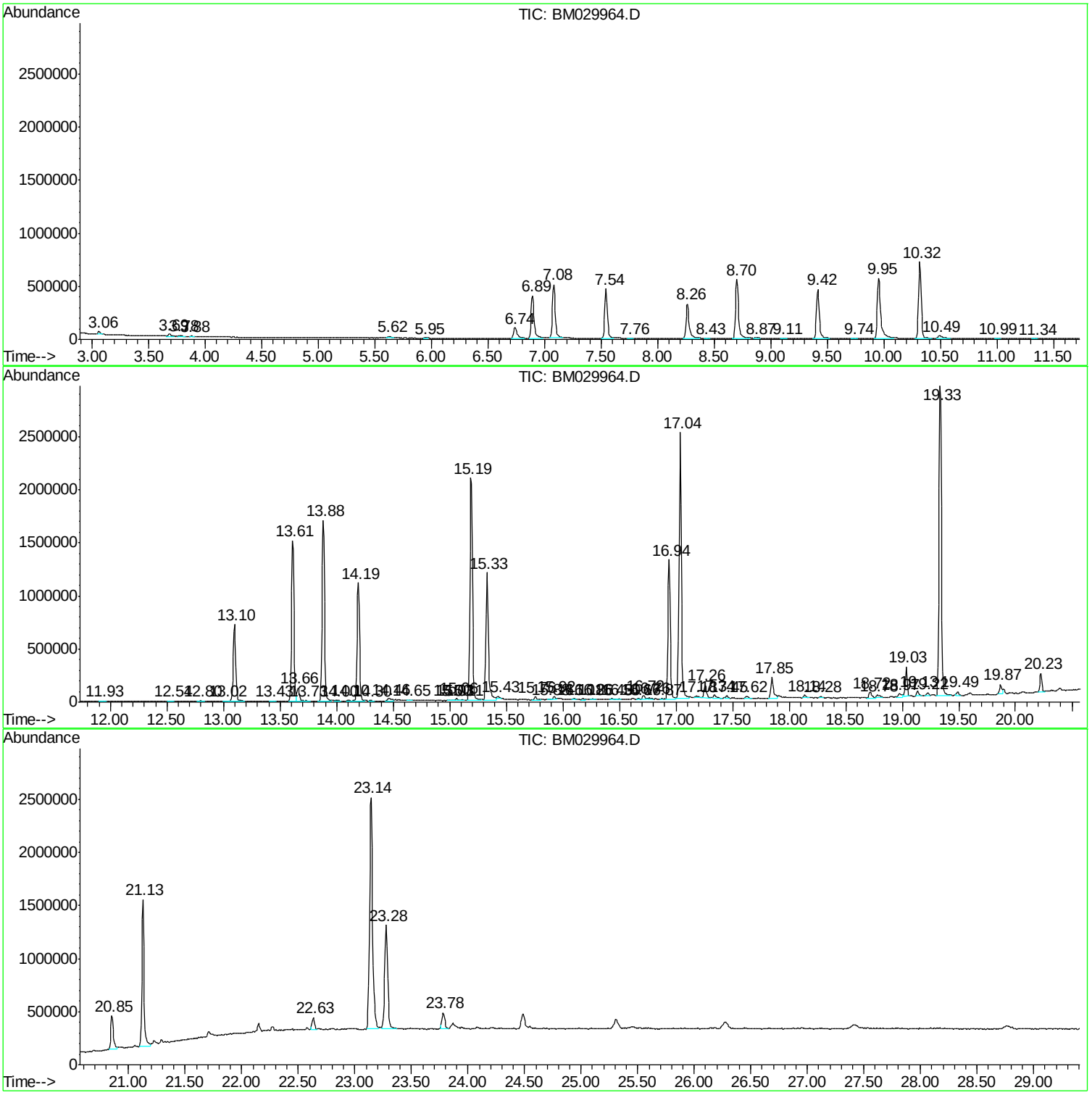
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029964.D
Acq On : 12 May 2021 04:37
Operator : CG/JU
Sample : M2194-09
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : YARR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029964.D
Acq On : 12 May 2021 04:37
Operator : CG/JU
Sample : M2194-09
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : YARR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

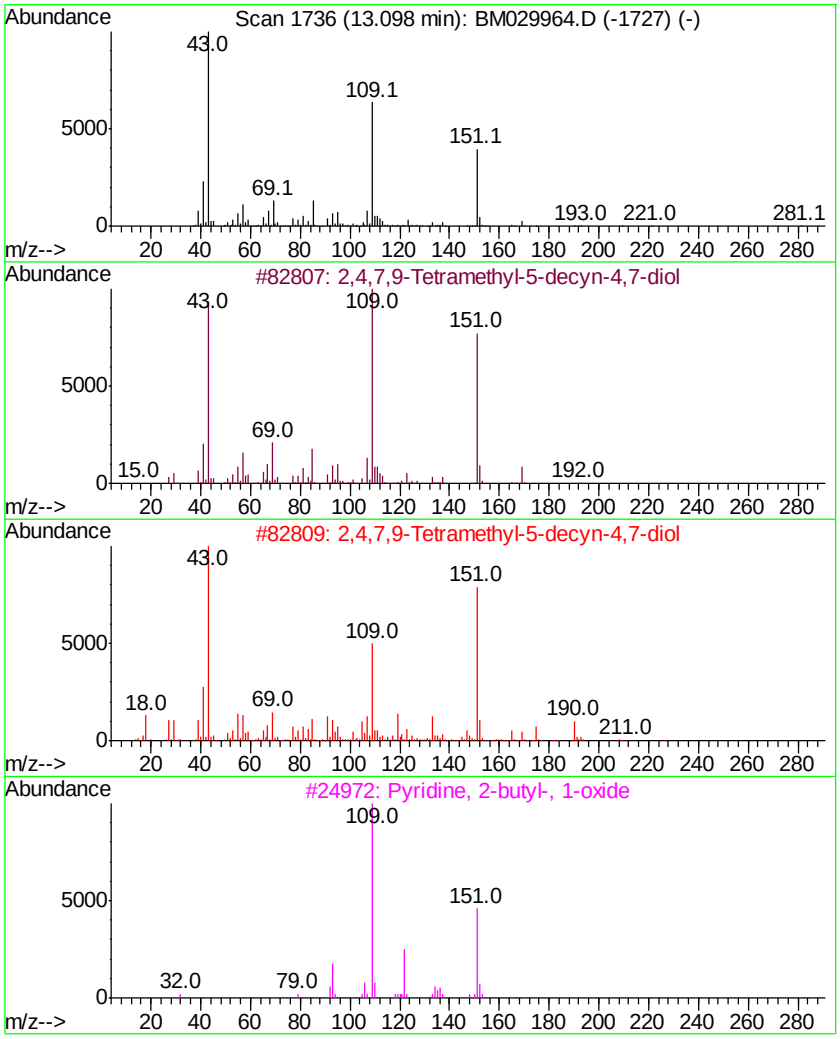
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

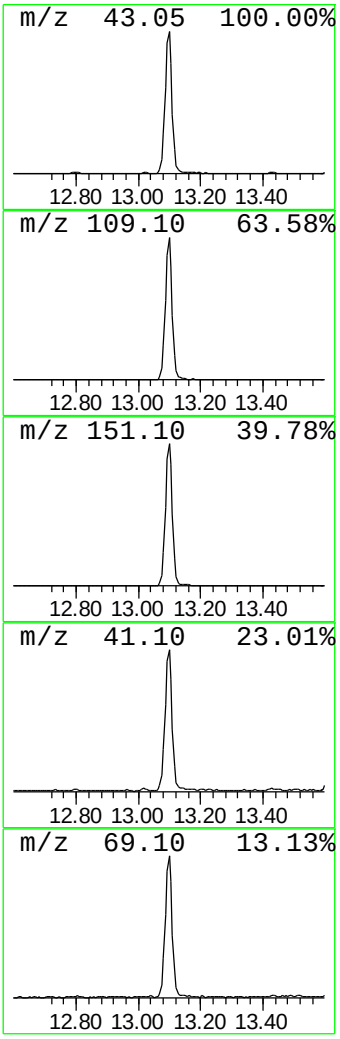
****

Peak Number 1 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	13.81 ng/ul	1147470	Acenaphthene-d10	14.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	90
2	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	64
3	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	59
4	p-Isopropoxyaniline	151	C9H13NO	007664-66-6	58
5	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	53





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Sample : M2194-09
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Instrument : BNA_M
ClientSampleId : YARR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

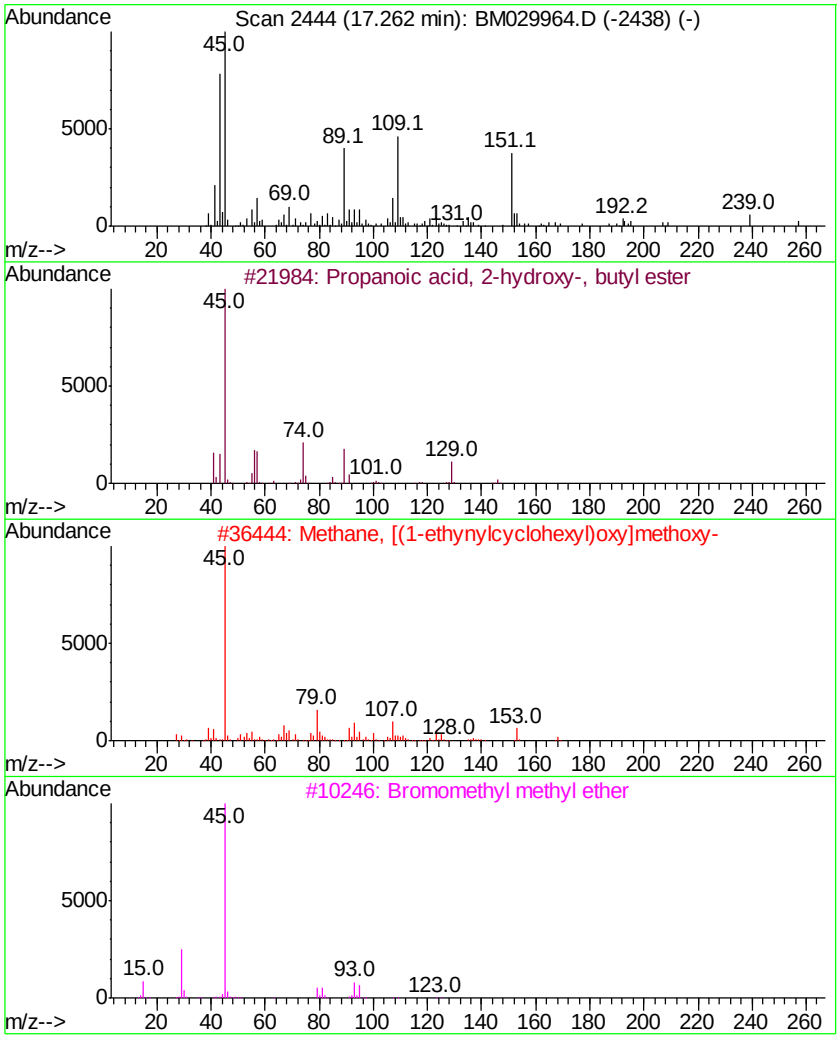
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

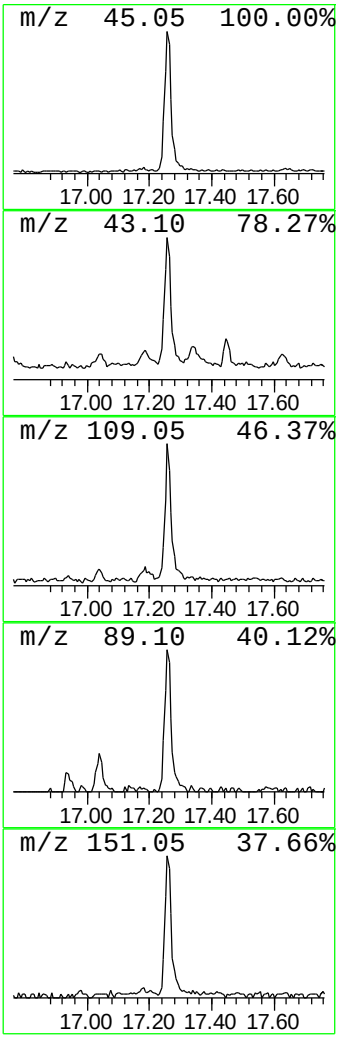
****

Peak Number 2 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.05 ng/ul	187083	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-hydroxy-, butv...	146	C7H14O3	000138-22-7	27
2	Methane, [(1-ethynylcyclohexyl)o...	168	C10H16O2	005609-21-2	27
3	Bromomethyl methyl ether	124	C2H5BrO	013057-17-5	27
4	Cyclopentanol, 1-(methylenecyclo...	138	C9H14O	086951-58-8	25
5	2-Pentanol, 3-methyl-	102	C6H14O	000565-60-6	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029964.D
Acq On : 12 May 2021 04:37
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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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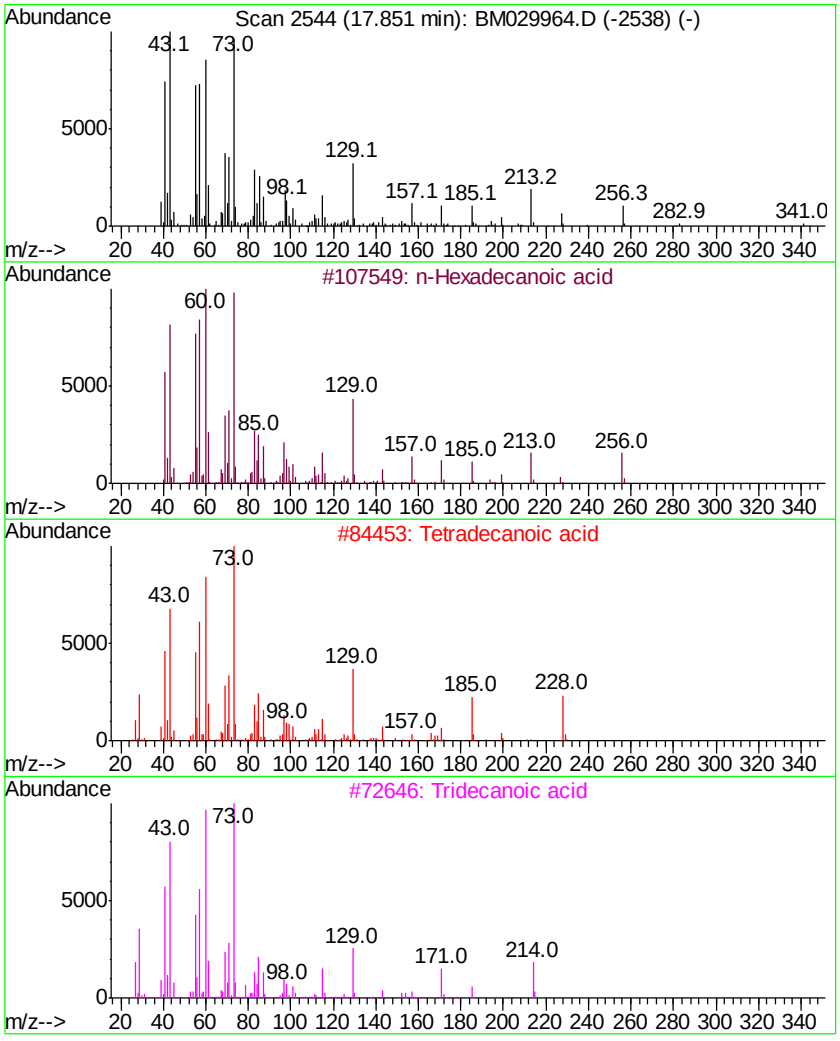
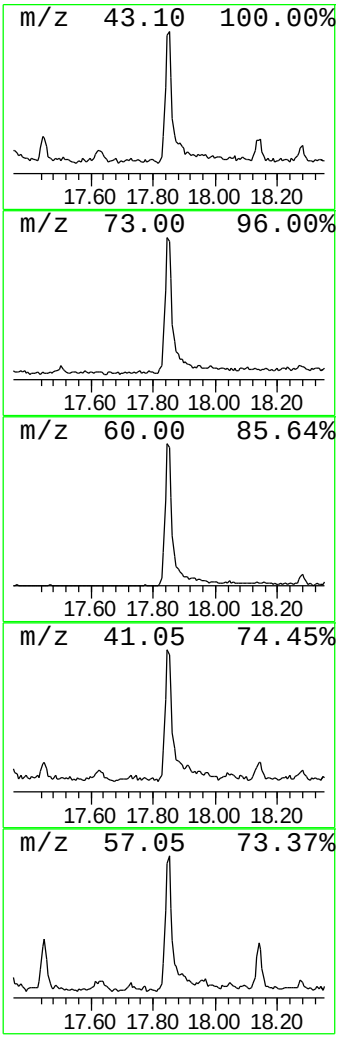
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	3.75 ng/ul	341969	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	76





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

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

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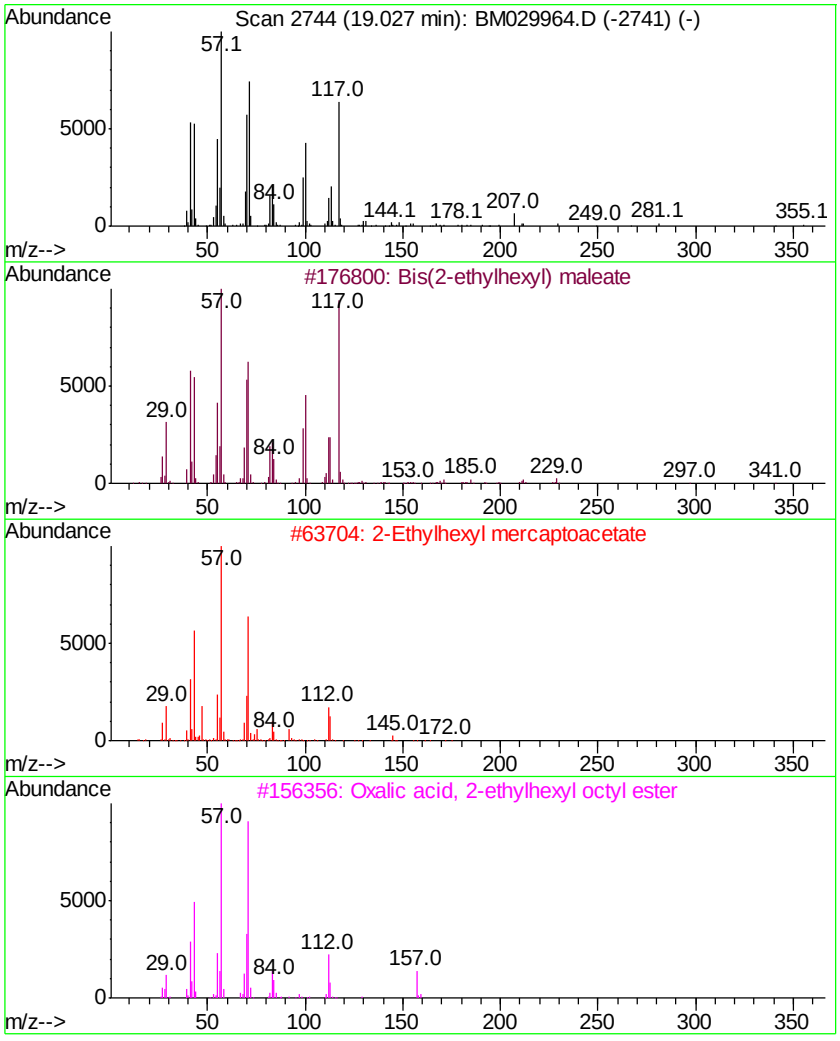
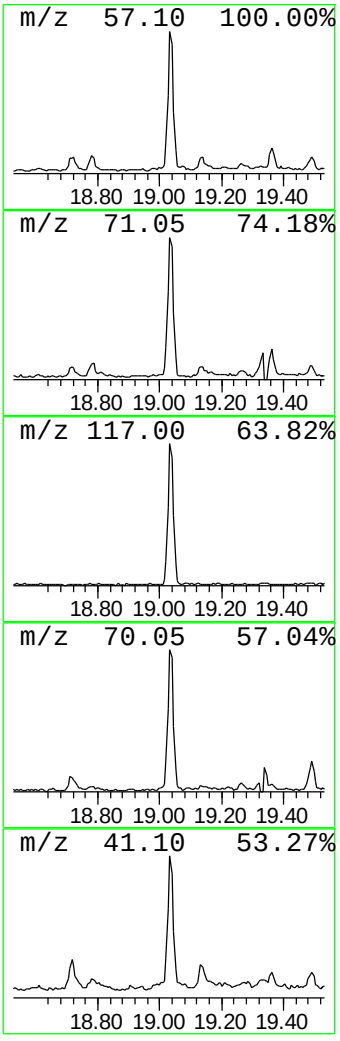
Peak Number 4 Bis(2-ethylhexyl) maleate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	3.61 ng/ul	329108	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(2-ethylhexyl) maleate	340	C20H36O4	000142-16-5	72
2	2-Ethylhexyl mercaptoacetate	204	C10H20O2S	007659-86-1	35
3	Oxalic acid, 2-ethylhexyl octyl ...	314	C18H34O4	1000309-39-1	35
4	Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000357-82-9	35
5	2-Ethyl-1-hexanol, pentafluoropr...	276	C11H17F5O2	1000365-51-1	30





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Acq On : 12 May 2021 04:37
Operator : CG/JU
Sample : M2194-09
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : YARR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

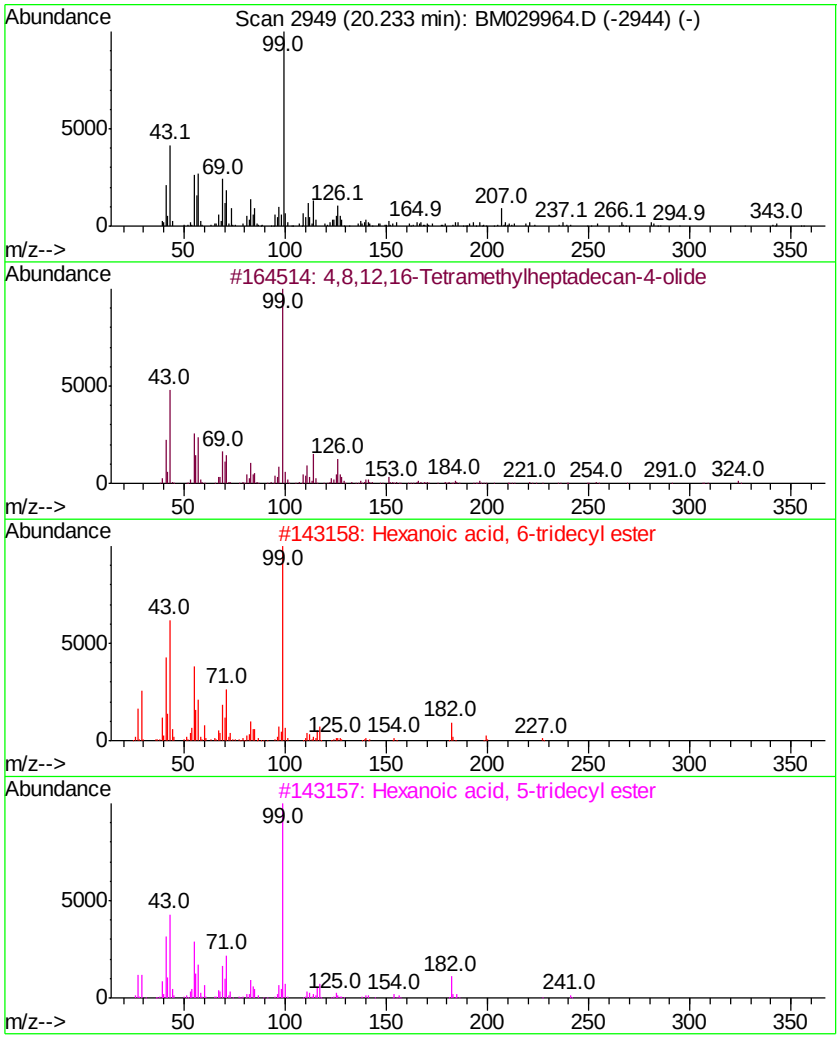
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

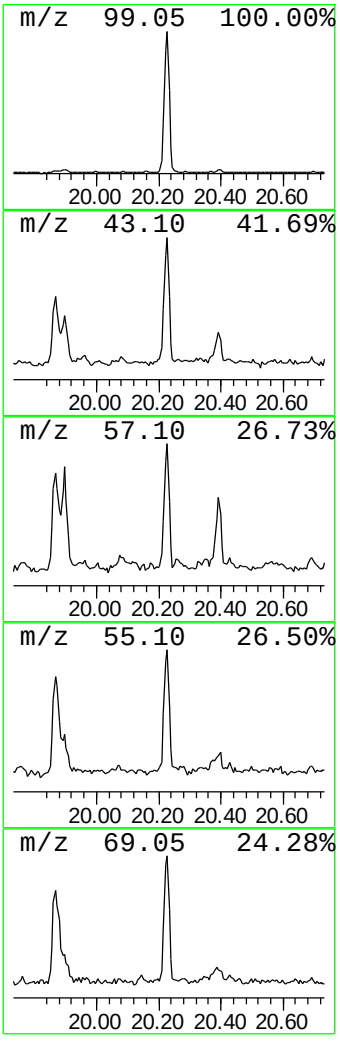
****

Peak Number 5 4,8,12,16-Tetramethylheptad... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	2.17 ng/ul	202310	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,8,12,16-Tetramethylheptadecan-...	324	C21H40O2	096168-15-9	90
2	Hexanoic acid, 6-tridecyl ester	298	C19H38O2	1000279-29-5	59
3	Hexanoic acid, 5-tridecyl ester	298	C19H38O2	1000279-29-4	59
4	Hexanoic acid, 3-tridecyl ester	298	C19H38O2	1000279-29-2	59
5	Hexanoic acid, 4-tridecyl ester	298	C19H38O2	1000279-29-3	53





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Instrument : BNA_M
ClientSampleId : YARR3

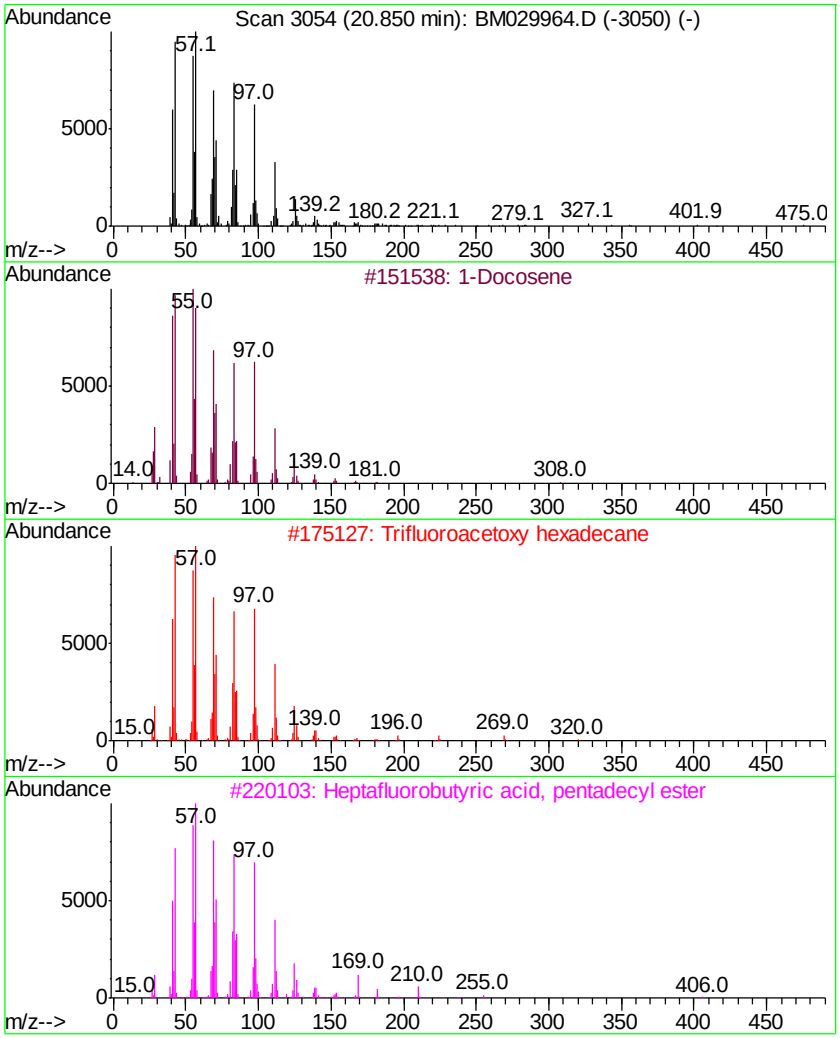
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

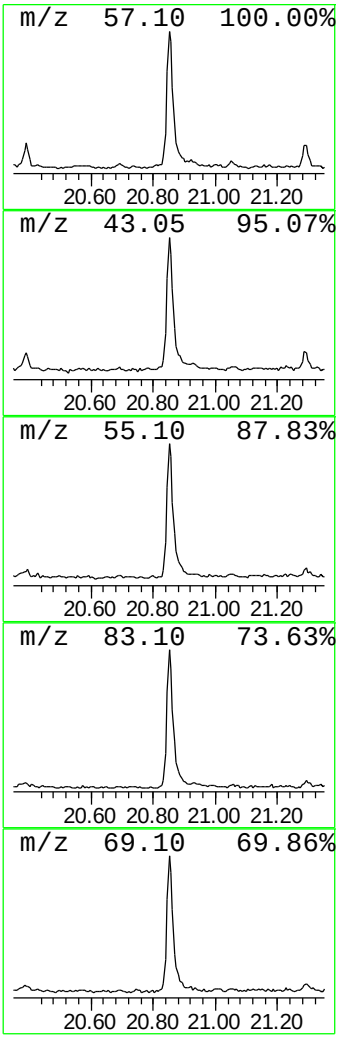
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	5.20 ng/ul	483647	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
4	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94





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Data File : BM029964.D
Acq On : 12 May 2021 04:37
Operator : CG/JU
Sample : M2194-09
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : YARR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION

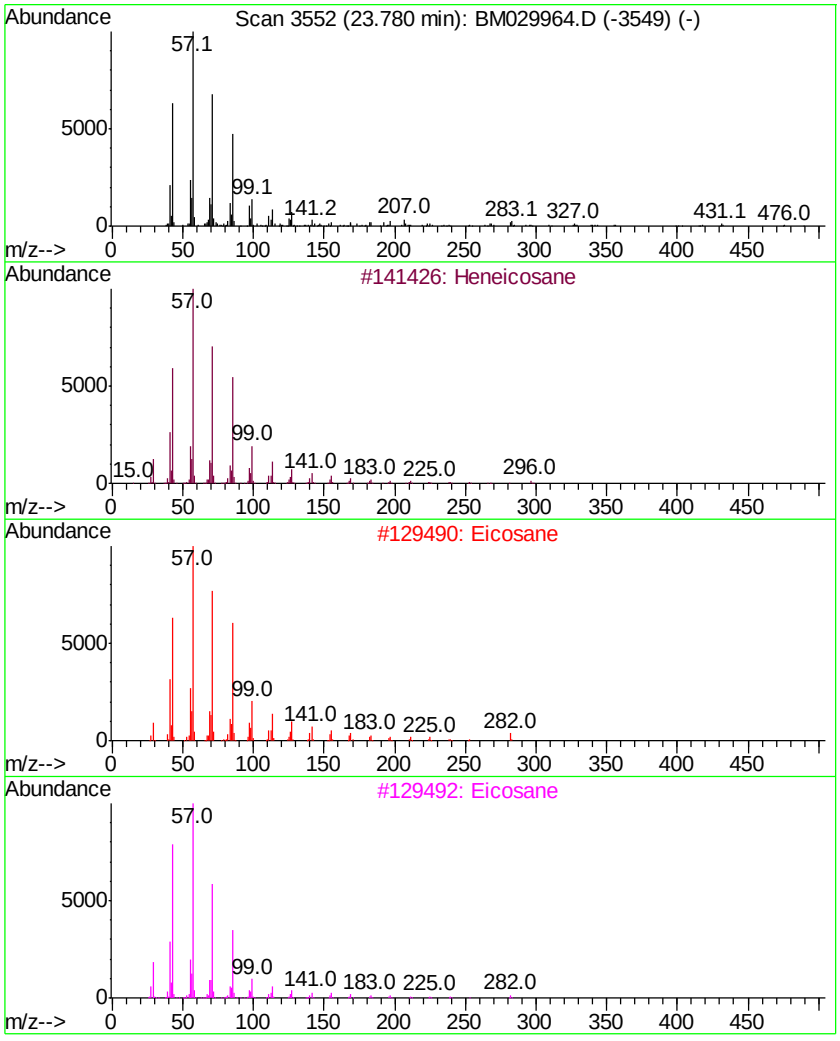
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

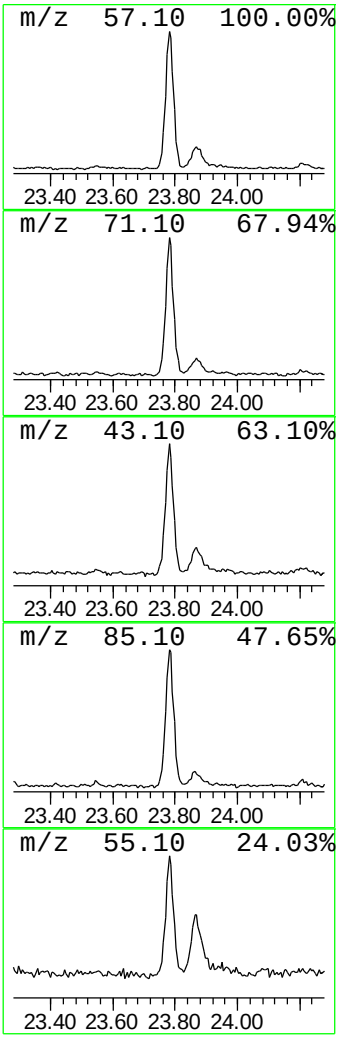
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.78	2.74 ng/ul	253117	Perylene-d12	23.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	95
2	Eicosane	282	C20H42	000112-95-8	94
3	Eicosane	282	C20H42	000112-95-8	91
4	Hexacosane	366	C26H54	000630-01-3	90
5	Octacosane	394	C28H58	000630-02-4	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051021\
Data File : BM029964.D
Acq On : 12 May 2021 04:37
Operator : CG/JU
Sample : M2194-09
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : YARR3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.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
2,4,7,9-Tetrameth...	13.10	13.8	ng/ul	1147470	3	14.19	1661390	20.0
unknown-01	17.26	2.0	ng/ul	187083	4	16.94	1823080	20.0
n-Hexadecanoic acid	17.85	3.8	ng/ul	341969	4	16.94	1823080	20.0
Bis(2-ethylhexyl)...	19.03	3.6	ng/ul	329108	4	16.94	1823080	20.0
4,8,12,16-Tetrame...	20.23	2.2	ng/ul	202310	5	21.13	1861440	20.0
(DEL) Alkane: Str...	20.85	5.2	ng/ul	483647	5	21.13	1861440	20.0
(DEL) Alkane: Str...	23.78	2.7	ng/ul	253117	6	23.28	1850020	20.0