LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029965.D
Acq On : 12 May 2021 05:13
Operator : CG/JU
Sample : M2197-08
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : YARH0

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	26	29	40	rVB	37384	56833	1.44%	0.153%
2	3.681	132	135	142	rVB	20763	32694	0.83%	0.088%
3	3.769	148	150	156	rVB3	8780	13585	0.34%	0.037%
4	3.875	166	168	171	rVB4	6247	5608	0.14%	0.015%
5	4.693	304	307	312	rVB5	4245	5876	0.15%	0.016%
6	5.634	463	467	469	rBV4	3005	3993	0.10%	0.011%
7	5.957	518	522	528	rVB5	6391	9415	0.24%	0.025%
8	6.693	642	647	649	rBV3	4940	6203	0.16%	0.017%
9	6.734	649	654	672	rVV	135128	300960	7.62%	0.809%
10	6.893	675	681	696	rBV	439365	798638	20.23%	2.148%
11	7.081	707	713	726	rBV	569272	971989	24.62%	2.614%
12	7.540	785	791	801	rBV	419309	724316	18.35%	1.948%
13	8.257	907	913	928	rBV	396758	764595	19.37%	2.056%
14	8.698	980	988	1005	rBV	603203	1086855	27.53%	2.923%
15	9.110	1055	1058	1065	rVB	13956	21729	0.55%	0.058%
16	9.416	1102	1110	1127	rBV	509125	925324	23.44%	2.489%
17	9.951	1194	1201	1224	rBV	576425	1344563	34.06%	3.616%
18	10.316	1254	1263	1276	rBV	647332	1097782	27.81%	2.952%
19	10.492	1284	1293	1306	rBV2	31742	100472	2.54%	0.270%
20	11.604	1478	1482	1486	rVB3	7472	11704	0.30%	0.031%
21	11.933	1532	1538	1545	rBV3	7341	16827	0.43%	0.045%
22	12.204	1579	1584	1589	rVB3	3409	6275	0.16%	0.017%
23	12.533	1637	1640	1646	rBV6	2501	4936	0.13%	0.013%
24	12.733	1667	1674	1679	rVB4	5584	9783	0.25%	0.026%
25	12.798	1681	1685	1689	rVB3	3456	4906	0.12%	0.013%
26	13.022	1717	1723	1730	rVB2	13812	23557	0.60%	0.063%
27	13.098	1730	1736	1740	rBV4	5550	9740	0.25%	0.026%
28	13.157	1742	1746	1751	rBV6	2707	4306	0.11%	0.012%
29	13.610	1817	1823	1829	rBV	1454302	2181980	55.27%	5.868%
30	13.657	1829	1831	1840	rVV	63921	109447	2.77%	0.294%
31	13.727	1840	1843	1850	rVB7	5810	8912	0.23%	0.024%
32	13.880	1861	1869	1881	rBV	1749460	2610819	66.13%	7.021%
33	14.104	1903	1907	1914	rVB4	9649	13510	0.34%	0.036%
34	14.192	1914	1922	1931	rBV	988016	1470346	37.24%	3.954%

LSC Area Percent Report

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Operator : CG/JU
Sample : M2197-08
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : YARH0

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	14.469	1962	1969	1987	rBV4	21997	119569	3.03%	0.322%
36	14.639	1994	1998	2003	rVB6	14121	22554	0.57%	0.061%
37	14.733	2012	2014	2019	rVB6	5795	7450	0.19%	0.020%
38	14.898	2037	2042	2047	rVB9	2878	5879	0.15%	0.016%
39	14.957	2047	2052	2058	rBV	23828	36693	0.93%	0.099%
40	15.004	2058	2060	2062	rVV2	4817	6358	0.16%	0.017%
41	15.033	2062	2065	2068	rVV	14759	20530	0.52%	0.055%
42	15.063	2068	2070	2076	rVB3	8066	9053	0.23%	0.024%
43	15.192	2085	2092	2106	rBV	2273543	3265157	82.71%	8.781%
44	15.327	2109	2115	2129	rBV	608965	918151	23.26%	2.469%
45	15.433	2129	2133	2137	rVB2	23630	32465	0.82%	0.087%
46	15.569	2152	2156	2162	rVB6	6019	10373	0.26%	0.028%
47	15.757	2183	2188	2189	rBV5	4508	4778	0.12%	0.013%
48	15.880	2205	2209	2213	rVB6	4026	5319	0.13%	0.014%
49	15.945	2213	2220	2224	rBV	30540	50727	1.28%	0.136%
50	16.098	2238	2246	2252	rBV9	4800	11509	0.29%	0.031%
51	16.180	2256	2260	2265	rVB2	13469	18378	0.47%	0.049%
52	16.333	2282	2286	2290	rBV7	5389	8799	0.22%	0.024%
53	16.616	2331	2334	2338	rVB5	3688	5428	0.14%	0.015%
54	16.716	2347	2351	2355	rBV5	19124	26981	0.68%	0.073%
55	16.768	2355	2360	2366	rVB	69380	108186	2.74%	0.291%
56	16.939	2383	2389	2399	rBV	1124763	1603078	40.61%	4.311%
57	17.039	2399	2406	2421	rVV	2433717	3460089	87.64%	9.306%
58	17.239	2437	2440	2445	rVB	9870	14546	0.37%	0.039%
59	17.445	2471	2475	2481	rVB8	5086	8855	0.22%	0.024%
60	17.510	2481	2486	2493	rBV2	19276	34135	0.86%	0.092%
61	17.615	2498	2504	2509	rBV3	50337	69020	1.75%	0.186%
62	17.780	2528	2532	2538	rVB5	10511	14026	0.36%	0.038%
63	17.845	2538	2543	2551	rBV	136460	223651	5.67%	0.601%
64	17.915	2552	2555	2560	rVB	14067	24580	0.62%	0.066%
65	18.139	2589	2593	2598	rBV6	9367	15494	0.39%	0.042%
66	18.280	2613	2617	2620	rVB5	7035	10101	0.26%	0.027%
67	18.709	2687	2690	2695	rVB5	14108	18797	0.48%	0.051%
68	18.774	2695	2701	2702	rBV6	8345	12047	0.31%	0.032%
69	18.974	2731	2735	2740	rBV2	22813	33380	0.85%	0.090%
70	19.133	2758	2762	2771	rBV	58569	107962	2.73%	0.290%
71	19.221	2774	2777	2783	rVB	27037	38005	0.96%	0.102%

LSC Area Percent Report

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Operator : CG/JU
Sample : M2197-08
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : YARH0

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

72	19.286	2785	2788	2790	rBV3	6305	9022	0.23%	0.024%
73	19.339	2790	2797	2802	rBV	2786631	3908921	99.01%	10.513%
74	19.868	2884	2887	2890	rBV5	10793	16564	0.42%	0.045%
75	20.851	3050	3054	3063	rBV	272146	421118	10.67%	1.133%
76	21.127	3096	3101	3114	rBV	1210843	1649710	41.79%	4.437%
77	22.633	3354	3357	3362	rVB	133876	179895	4.56%	0.484%
78	23.145	3437	3444	3457	rVB2	2069268	3947884	100.00%	10.617%
79	23.280	3461	3467	3476	rVB	889259	1632118	41.34%	4.389%
80	23.786	3549	3553	3559	rVB	162693	277422	7.03%	0.746%

Sum of corrected areas: 37183235

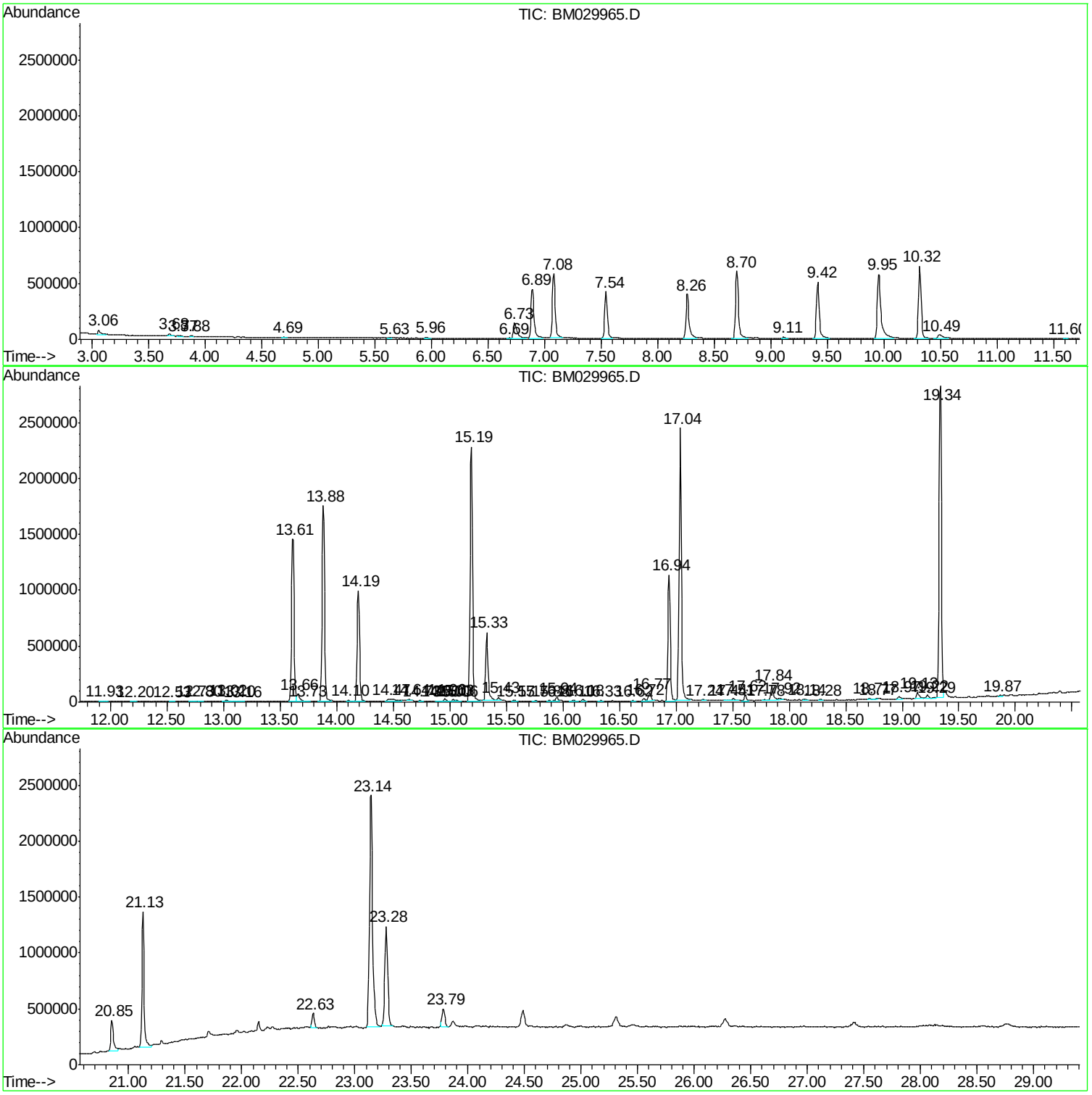
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029965.D
Acq On : 12 May 2021 05:13
Operator : CG/JU
Sample : M2197-08
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : YARH0

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 : BM029965.D
Acq On : 12 May 2021 05:13
Operator : CG/JU
Sample : M2197-08
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : YARH0

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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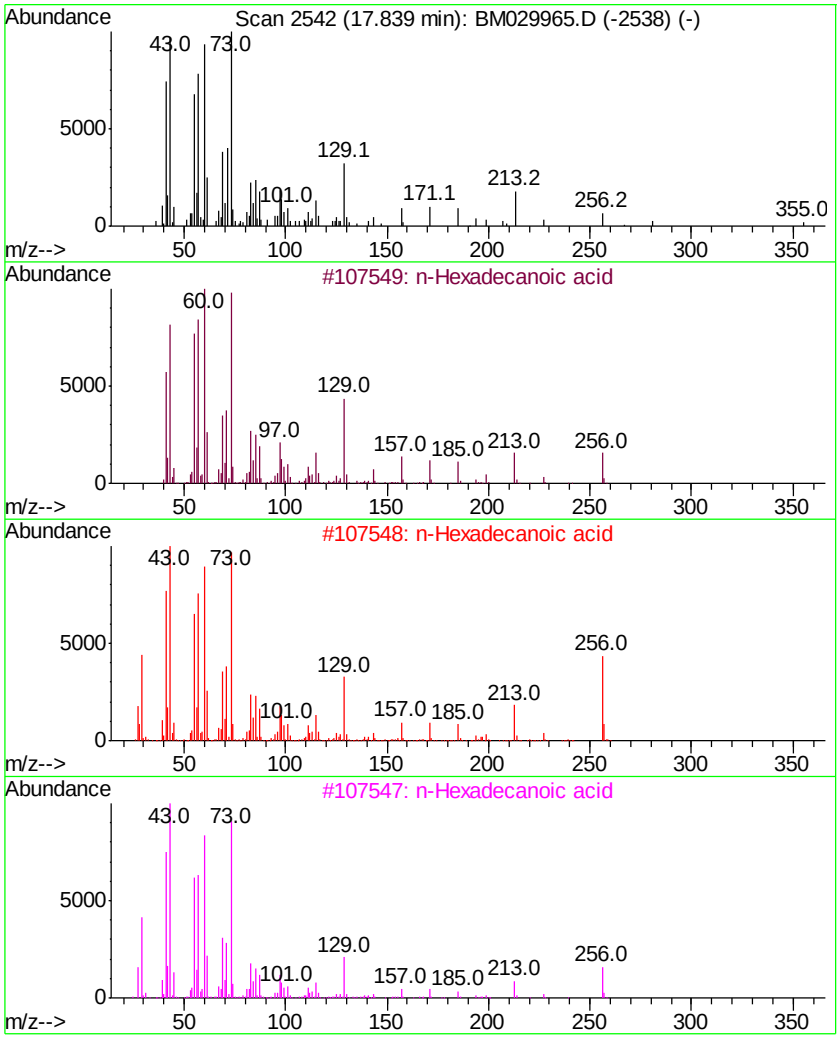
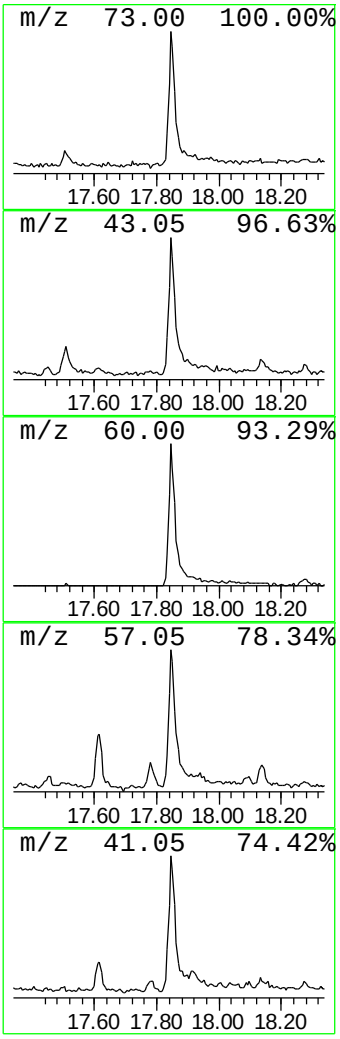
Peak Number 1 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	2.79 ng/ul	223651	Phenanthrene-d10	16.94

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	98
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
4	Tridecanoic acid	214	C13H26O2	000638-53-9	87
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87





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Instrument : BNA_M
ClientSampleId : YARH0

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

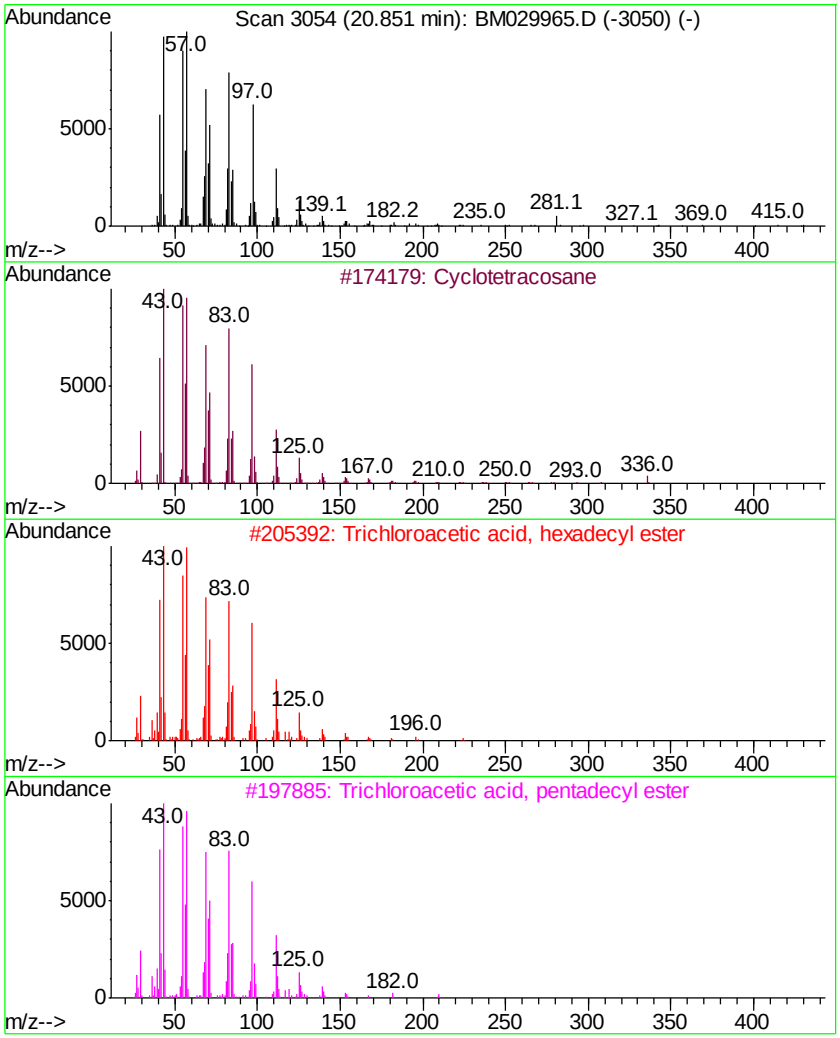
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

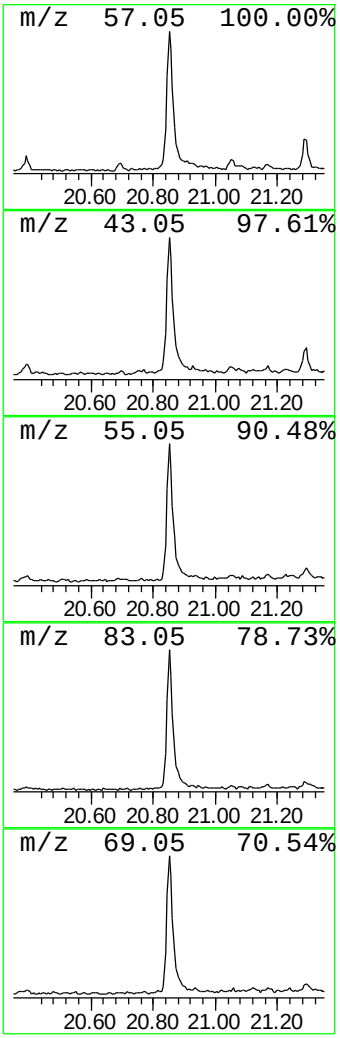
****

Peak Number 2 (DEL) Alkane: Cyclic20.85 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	5.11 ng/ul	421118	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	95
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91





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Acq On : 12 May 2021 05:13
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Quant Title : SVOA CALIBRATION

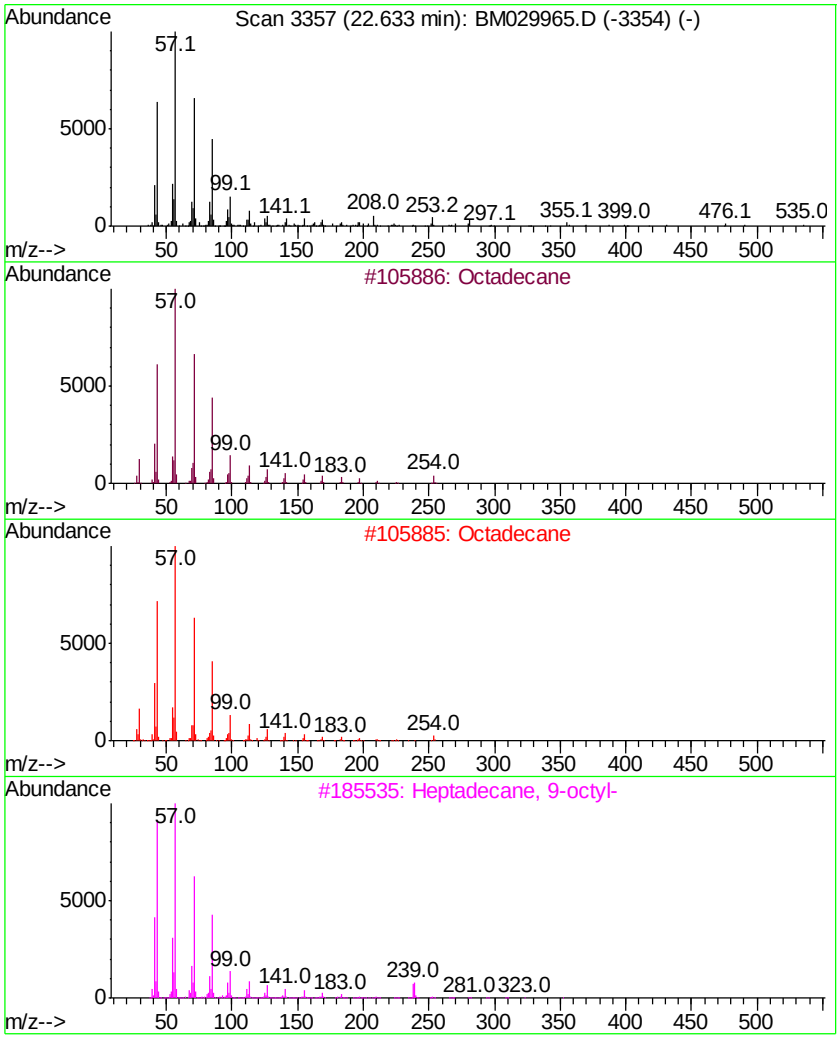
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

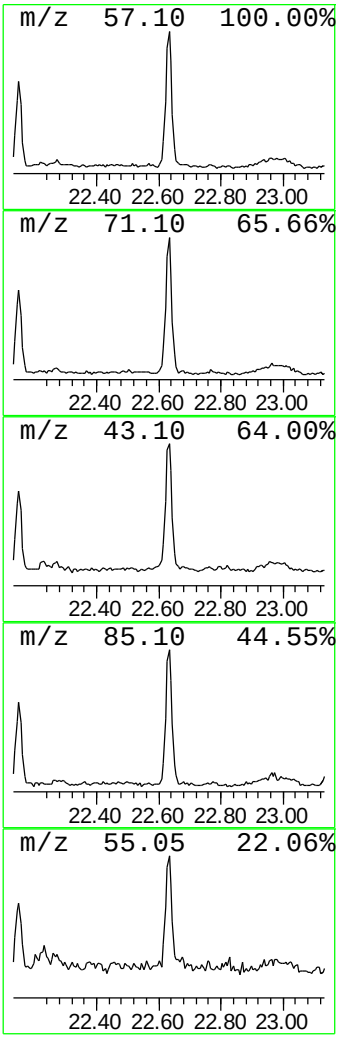
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.63	2.20 ng/ul	179895	Perylene-d12	23.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Octadecane	254	C18H38	000593-45-3	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Octacosane	394	C28H58	000630-02-4	87





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Data File : BM029965.D
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Instrument : BNA_M
ClientSampleId : YARH0

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

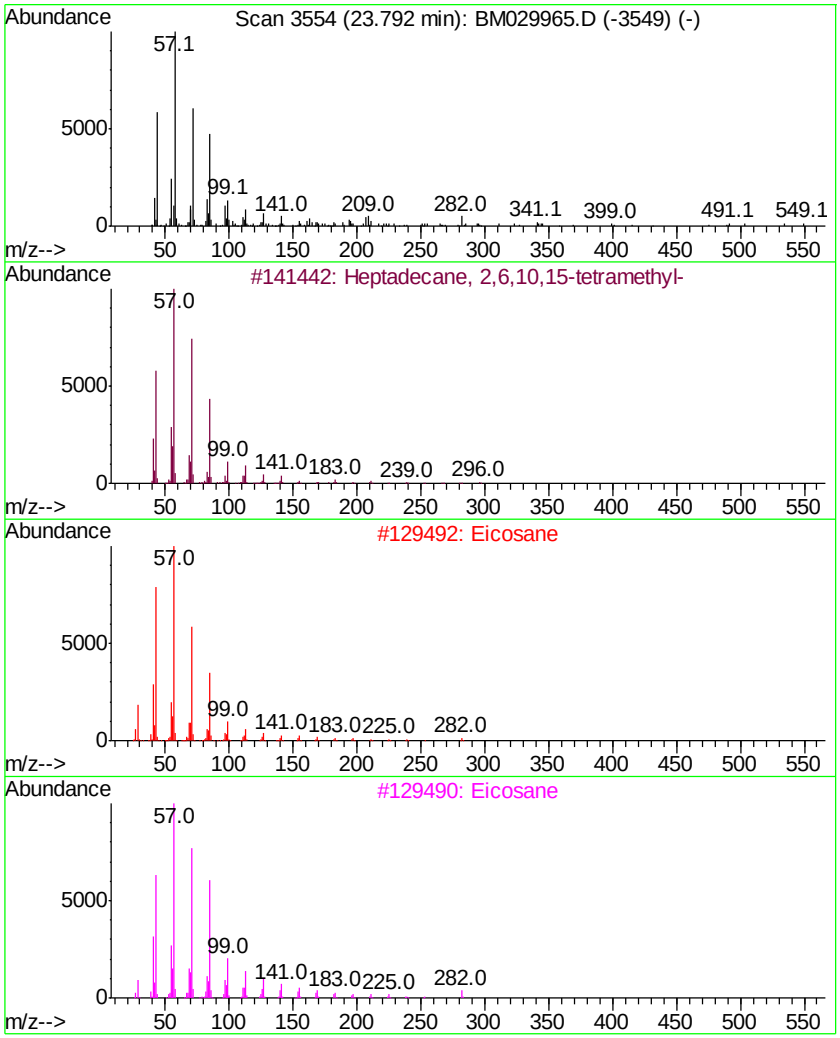
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

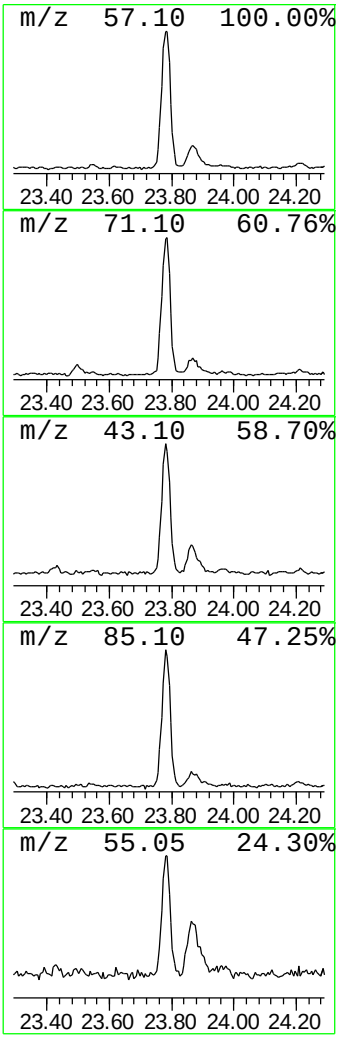
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.79	3.40 ng/ul	277422	Perylene-d12	23.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
2	Eicosane	282	C20H42	000112-95-8	93
3	Eicosane	282	C20H42	000112-95-8	89
4	Eicosane, 2-methyl-	296	C21H44	001560-84-5	86
5	Octacosane	394	C28H58	000630-02-4	81





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_M
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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
n-Hexadecanoic acid	17.84	2.8	ng/ul	223651	4	16.94	1603080	20.0
(DEL) Alkane: Cyc...	20.85	5.1	ng/ul	421118	5	21.13	1649710	20.0
(DEL) Alkane: Str...	22.63	2.2	ng/ul	179895	6	23.28	1632120	20.0
(DEL) Alkane: Str...	23.79	3.4	ng/ul	277422	6	23.28	1632120	20.0