LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005923.D
Acq On : 29 May 2019 10:59
Operator : JU/SJ
Sample : K2924-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4271

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_N\METHODS\SOM-EPA-BN052819MA.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	3.264	43	47	54	rBV	80919	105831	0.84%	0.084%
2	3.769	130	133	138	rVB3	16755	21952	0.17%	0.017%
3	3.887	148	153	161	rBV	67422	105816	0.84%	0.084%
4	3.981	166	169	175	rVB2	14640	23274	0.19%	0.019%
5	4.075	182	185	190	rVB6	11012	19706	0.16%	0.016%
6	4.340	227	230	237	rVB7	7173	12821	0.10%	0.010%
7	4.869	315	320	327	rBV	70362	112586	0.90%	0.090%
8	5.834	480	484	490	rBV2	9872	15332	0.12%	0.012%
9	6.140	530	536	537	rBV5	13775	20508	0.16%	0.016%
10	6.893	656	664	679	rBV	1641837	2644263	21.04%	2.106%
11	7.063	686	693	704	rBV	1354466	2137993	17.01%	1.703%
12	7.257	719	726	736	rBV	1613367	2605139	20.73%	2.075%
13	7.728	799	806	813	rBV	1397243	2170462	17.27%	1.728%
14	7.787	813	816	822	rVB	25345	36362	0.29%	0.029%
15	8.422	917	924	934	rBV	2017809	3143251	25.01%	2.503%
16	8.875	994	1001	1012	rBV	1566992	2584703	20.57%	2.058%
17	8.975	1012	1018	1023	rVB9	7899	18630	0.15%	0.015%
18	9.304	1068	1074	1079	rVB	32619	49597	0.39%	0.039%
19	9.598	1115	1124	1138	rBV	1175322	1954779	15.55%	1.557%
20	10.128	1206	1214	1224	rBV	2095554	3387354	26.95%	2.697%
21	10.293	1238	1242	1247	rBV8	7896	13185	0.10%	0.010%
22	10.510	1271	1279	1289	rVB	2082480	3411214	27.14%	2.716%
23	10.646	1292	1302	1318	rBV	2065594	3520626	28.01%	2.804%
24	11.240	1397	1403	1409	rBV10	5928	13071	0.10%	0.010%
25	12.098	1544	1549	1555	rVB2	39805	63725	0.51%	0.051%
26	12.722	1649	1655	1658	rBV6	8201	16200	0.13%	0.013%
27	13.269	1742	1748	1753	rBV6	12302	25014	0.20%	0.020%
28	13.328	1755	1758	1763	rVB5	10145	16125	0.13%	0.013%
29	13.781	1828	1835	1839	rBV	4045112	5594365	44.51%	4.455%
30	13.828	1839	1843	1849	rVB	1262558	1705297	13.57%	1.358%
31	14.057	1872	1882	1890	rBV	4440627	6609935	52.59%	5.264%
32	14.275	1915	1919	1922	rVB5	13589	17755	0.14%	0.014%
33	14.369	1928	1935	1947	rVB2	3156821	4779512	38.03%	3.806%
34	14.557	1960	1967	1983	rBV	2000781	2844955	22.64%	2.266%

LSC Area Percent Report

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Acq On : 29 May 2019 10:59
Operator : JU/SJ
Sample : K2924-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4271

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_N\METHODS\SOM-EPA-BN052819MA.M
Title : SVOA CALIBRATION

35	14.716	1990	1994	2000	rBV5	25283	41979	0.33%	0.033%
36	14.786	2003	2006	2011	rVV4	52281	75765	0.60%	0.060%
37	15.181	2068	2073	2078	rBV3	14628	26391	0.21%	0.021%
38	15.233	2078	2082	2087	rVB3	15534	19387	0.15%	0.015%
39	15.363	2097	2104	2111	rBV	5759234	8256001	65.69%	6.575%
40	15.481	2117	2124	2137	rBV	1490293	2048091	16.30%	1.631%
41	15.604	2141	2145	2152	rVB2	75738	109689	0.87%	0.087%
42	15.792	2174	2177	2182	rBV6	8765	13435	0.11%	0.011%
43	16.039	2214	2219	2221	rBV6	12943	21748	0.17%	0.017%
44	16.098	2226	2229	2231	rVV4	11018	14382	0.11%	0.011%
45	16.151	2234	2238	2242	rVB6	32852	46936	0.37%	0.037%
46	16.263	2254	2257	2262	rVB6	9672	15560	0.12%	0.012%
47	16.663	2321	2325	2331	rVB	52243	72114	0.57%	0.057%
48	16.798	2343	2348	2352	rBV6	12222	18148	0.14%	0.014%
49	16.898	2360	2365	2371	rVV3	19717	46909	0.37%	0.037%
50	17.116	2396	2402	2409	rBV2	4278493	6156793	48.99%	4.903%
51	17.216	2412	2419	2428	rBV2	6487005	9129585	72.64%	7.270%
52	17.357	2439	2443	2449	rBV2	24030	35522	0.28%	0.028%
53	17.469	2459	2462	2464	rBV3	9680	14330	0.11%	0.011%
54	17.798	2515	2518	2523	rVB7	17048	20475	0.16%	0.016%
55	18.022	2551	2556	2566	rBV	560291	851828	6.78%	0.678%
56	18.345	2605	2611	2618	rVB2	83290	151260	1.20%	0.120%
57	18.916	2703	2708	2713	rBV2	76949	108386	0.86%	0.086%
58	19.151	2744	2748	2752	rBV	101478	152294	1.21%	0.121%
59	19.186	2752	2754	2762	rVB	57018	69041	0.55%	0.055%
60	19.310	2771	2775	2786	rBV	233705	378105	3.01%	0.301%
61	19.410	2788	2792	2798	rVB	85671	122256	0.97%	0.097%
62	19.527	2805	2812	2820	rBV	8173898	11702686	93.12%	9.319%
63	20.086	2904	2907	2911	rVB2	46336	47942	0.38%	0.038%
64	20.416	2959	2963	2966	rBV4	63731	76517	0.61%	0.061%
65	20.451	2967	2969	2975	rVB7	50926	72799	0.58%	0.058%
66	20.586	2990	2992	2996	rVB	47268	49024	0.39%	0.039%
67	21.051	3066	3071	3079	rBV	909742	1172427	9.33%	0.934%
68	21.333	3113	3119	3125	rBV2	5929933	7647626	60.85%	6.090%
69	21.504	3144	3148	3152	rBV	185895	218151	1.74%	0.174%
70	21.957	3219	3225	3236	rBV3	624561	1220726	9.71%	0.972%
71	22.415	3299	3303	3308	rBV	355719	469423	3.74%	0.374%

LSC Area Percent Report

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Acq On : 29 May 2019 10:59
Operator : JU/SJ
Sample : K2924-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4271

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_N\METHODS\SOM-EPA-BN052819MA.M
Title : SVOA CALIBRATION

72	22.933	3386	3391	3395	rBV	605896	869409	6.92%	0.692%
73	23.468	3474	3482	3487	rBV2	6675612	12567630	100.00%	10.008%
74	23.610	3498	3506	3517	rVB	4281729	8052157	64.07%	6.412%
75	24.168	3596	3601	3607	rVB	437944	780524	6.21%	0.622%
76	24.245	3609	3614	3624	rVB	514482	998101	7.94%	0.795%
77	24.921	3724	3729	3738	rVB	300796	666052	5.30%	0.530%
78	26.374	3970	3976	3987	rVB4	426148	1146960	9.13%	0.913%

Sum of corrected areas: 125575902

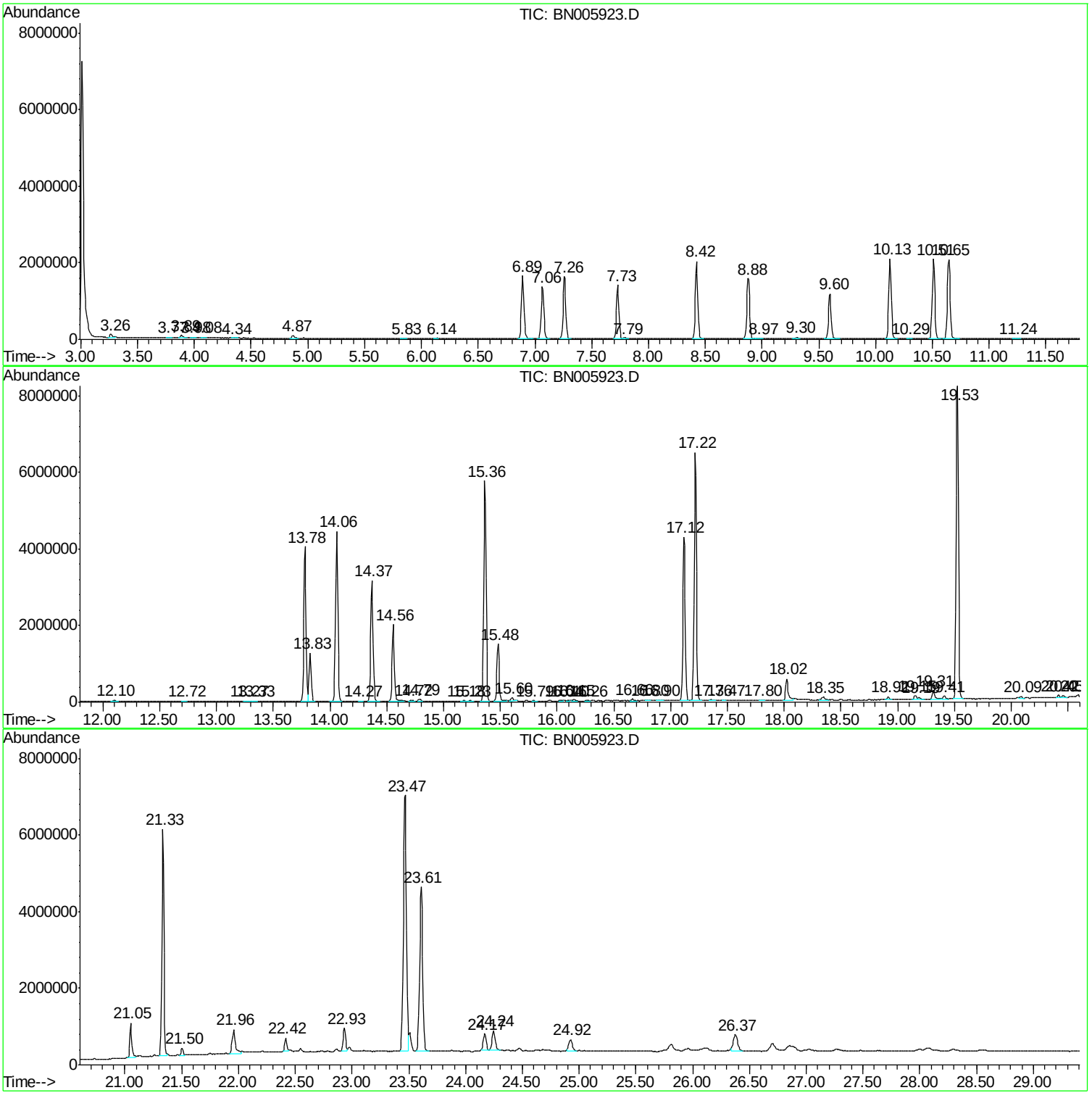
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005923.D
Acq On : 29 May 2019 10:59
Operator : JU/SJ
Sample : K2924-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4271

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.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 N\DATA\BN052919\
Data File : BN005923.D
Acq On : 29 May 2019 10:59
Operator : JU/SJ
Sample : K2924-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4271

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

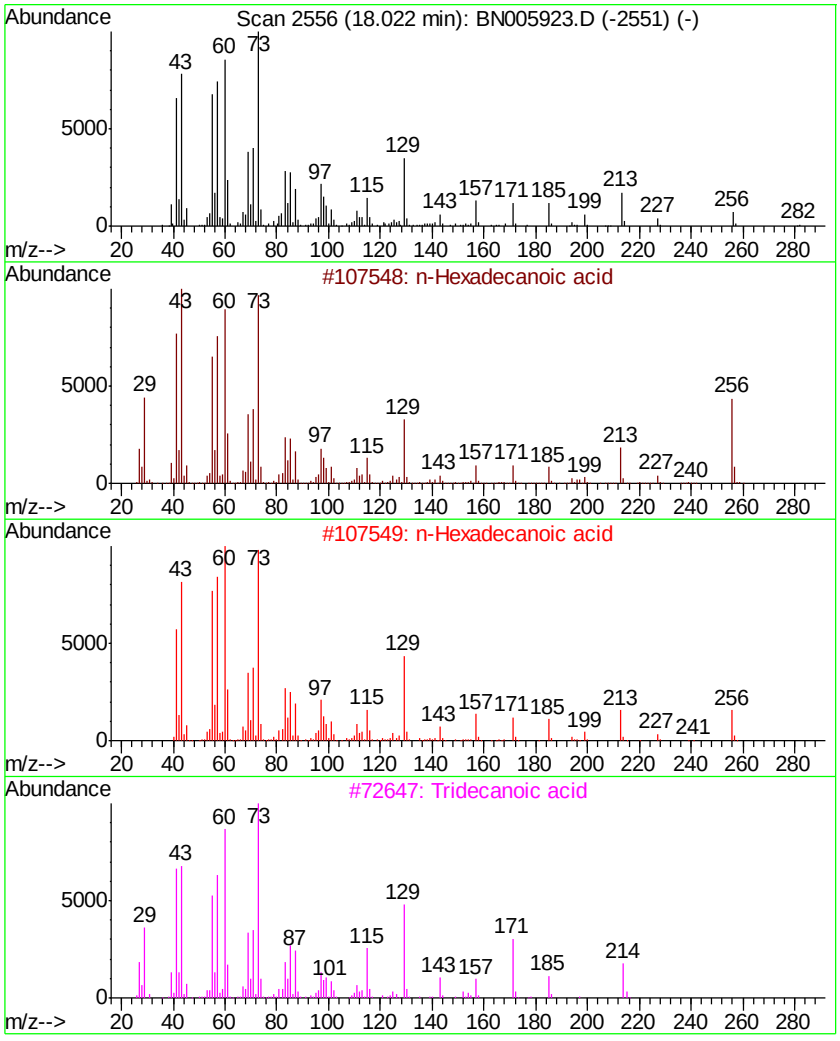
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

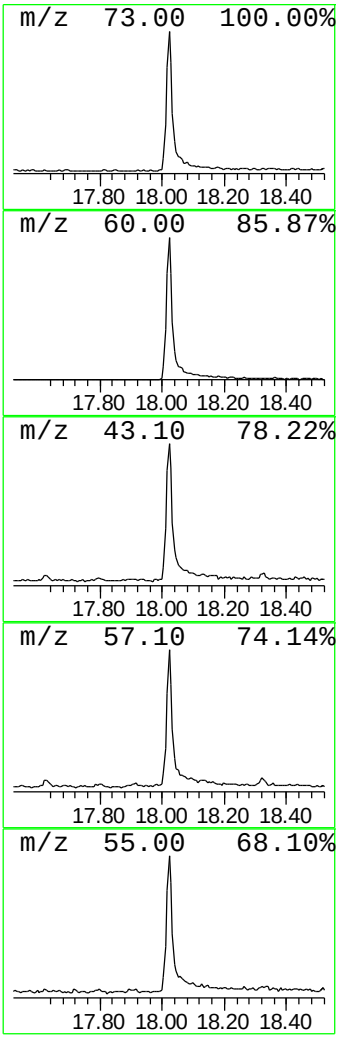
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.77 ng/ul	851828	Phenanthrene-d10	17.12

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	99
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Tridecanoic acid	214	C13H26O2	000638-53-9	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005923.D
Acq On : 29 May 2019 10:59
Operator : JU/SJ
Sample : K2924-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4271

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

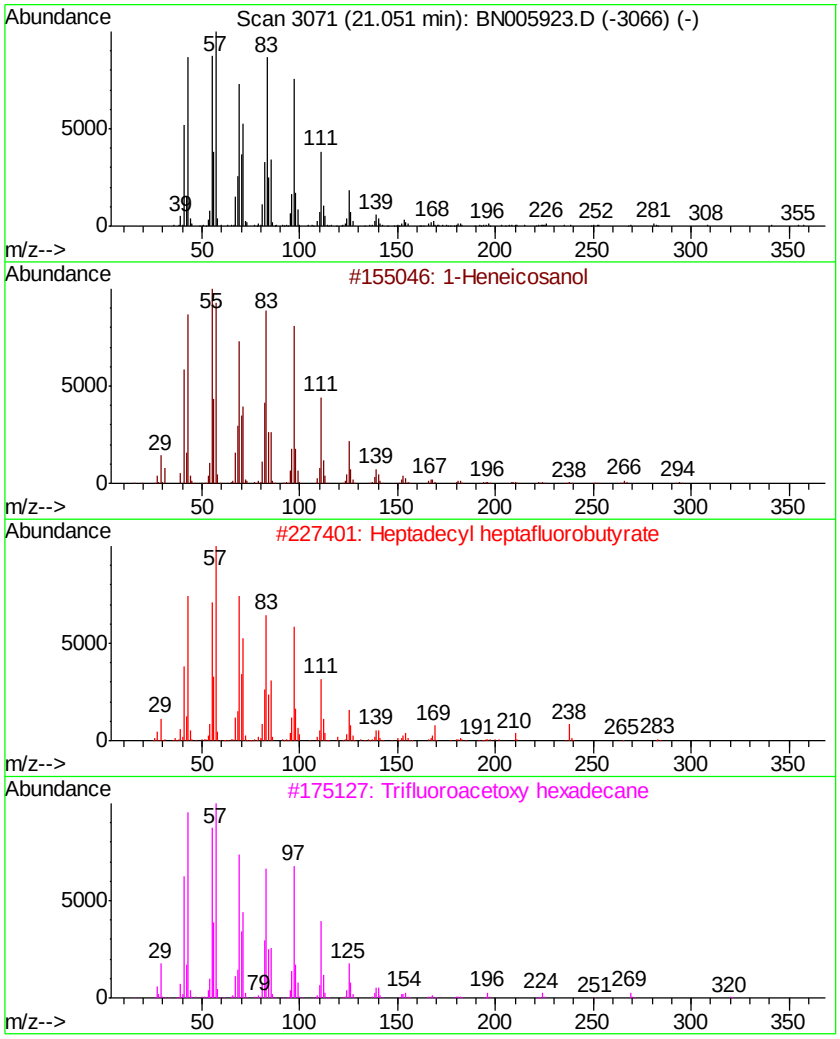
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

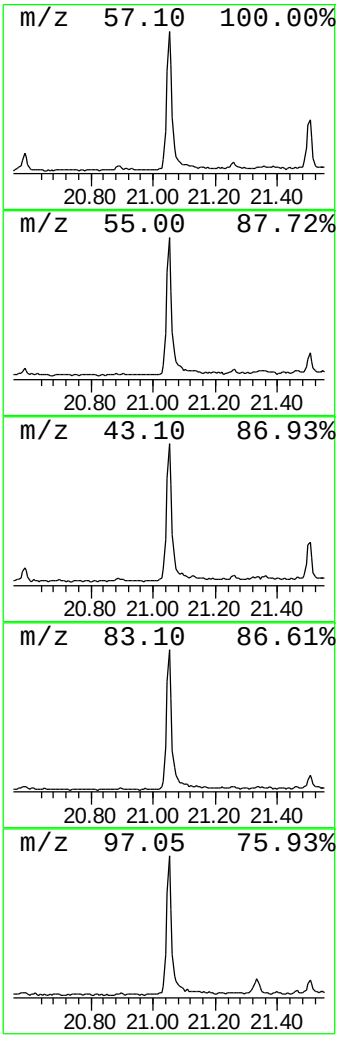
****

Peak Number 2 1-Heneicosanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	3.07 ng/ul	1172430	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
4	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005923.D
Acq On : 29 May 2019 10:59
Operator : JU/SJ
Sample : K2924-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4271

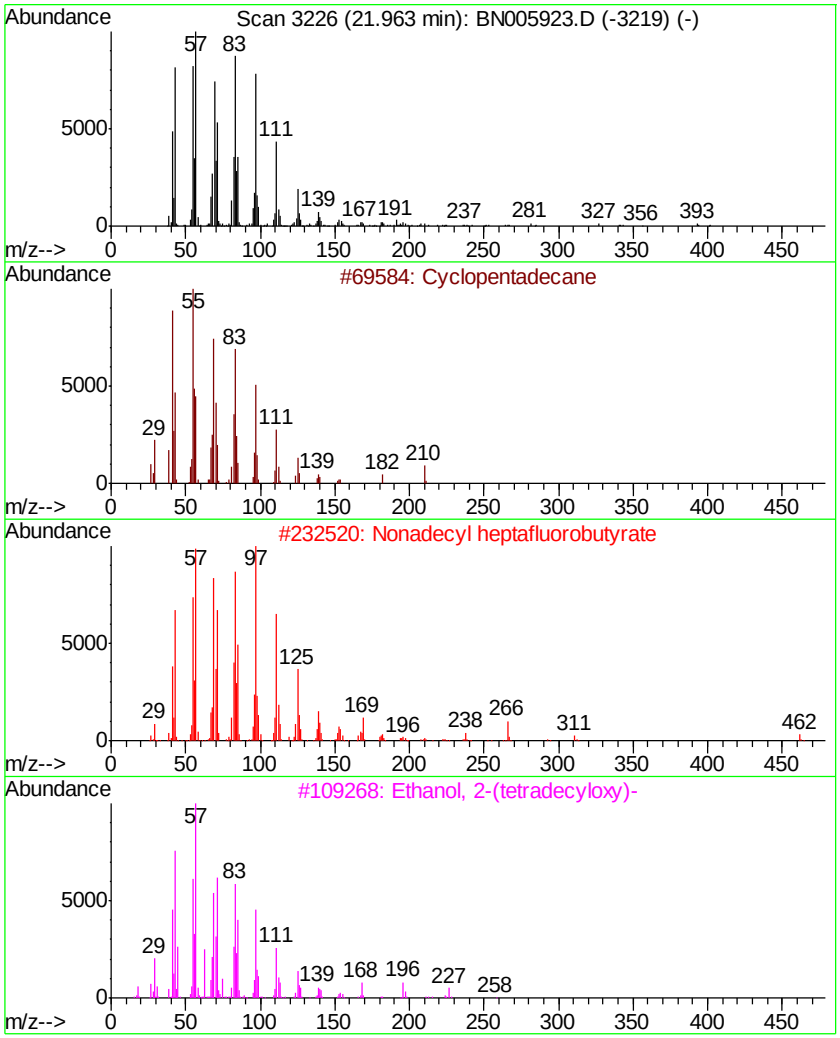
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

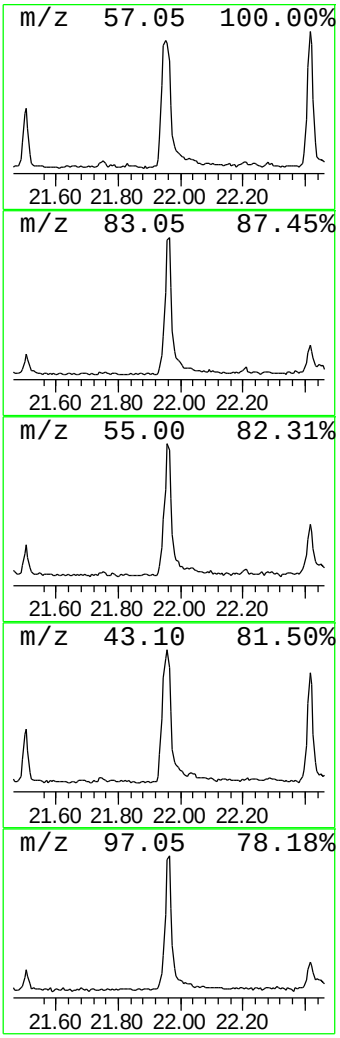
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic21.96 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.96	3.19 ng/ul	1220730	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	96
2	Nonadecyl heptafluorobutyrate	480	C23H39F7O2	1000351-83-9	91
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
4	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
5	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	91





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Instrument : BNA_N
ClientSampleId : A4271

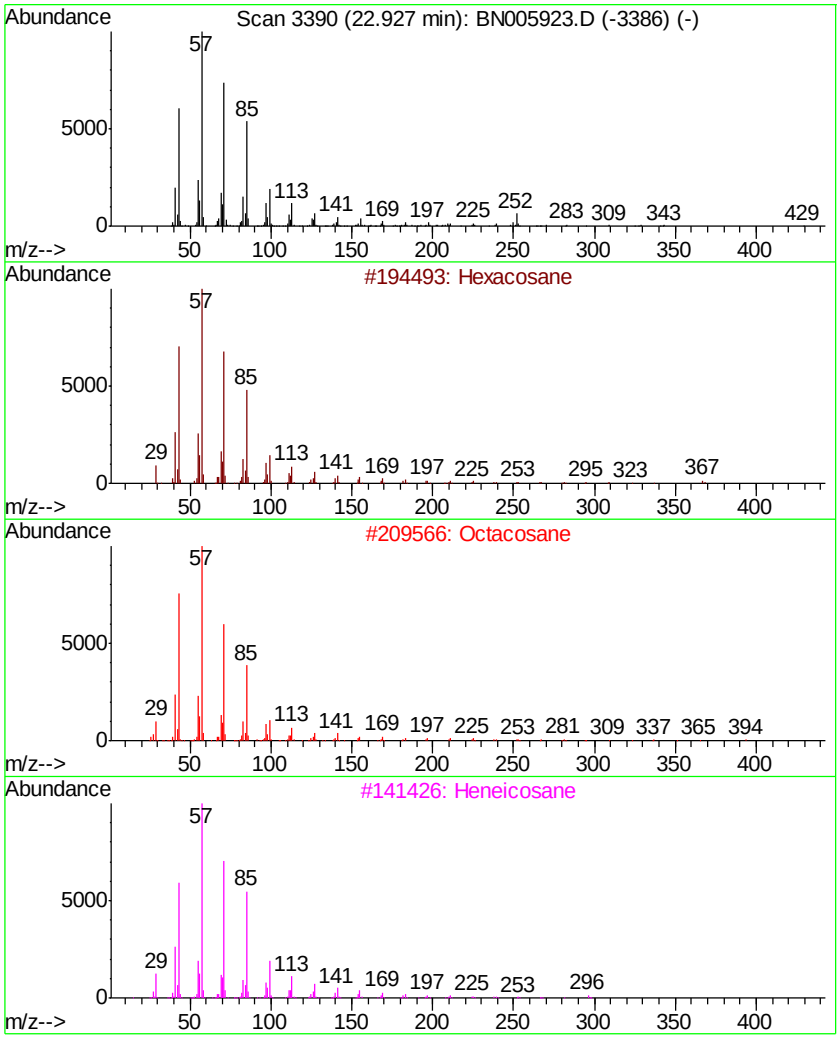
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

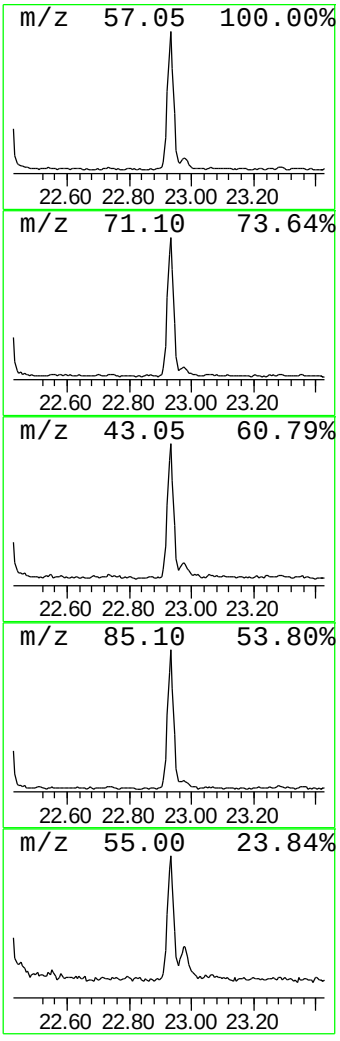
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.93	2.16 ng/ul	869409	Perylene-d12	23.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Octacosane	394	C28H58	000630-02-4	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Heptacosane	380	C27H56	000593-49-7	90
5	2-methyloctacosane	408	C29H60	1000376-72-8	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005923.D
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Sample : K2924-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4271

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

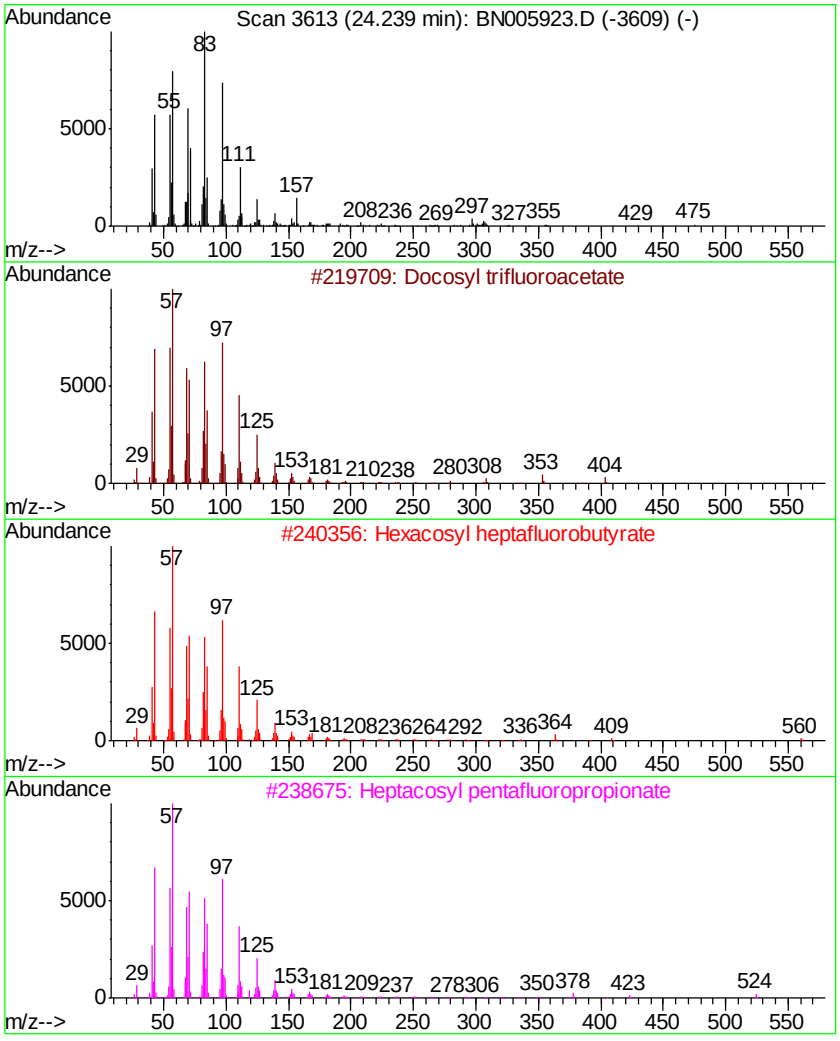
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

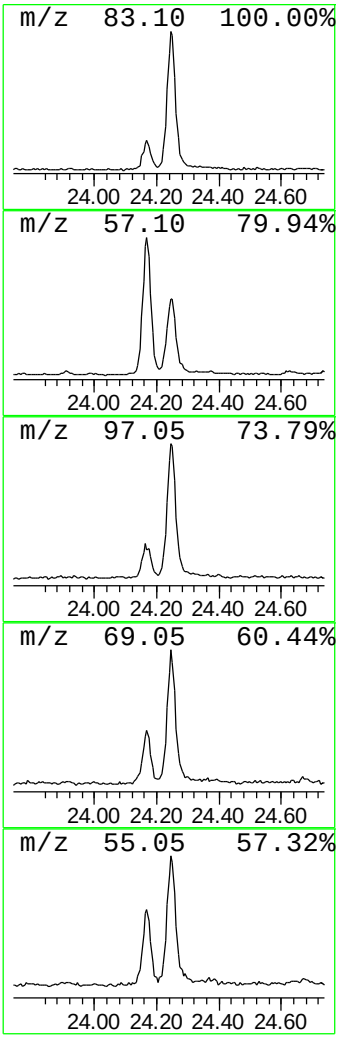
****

Peak Number 5 Docosyl trifluoroacetate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.24	2.48 ng/ul	998101	Perylene-d12	23.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosyl trifluoroacetate	422	C24H45F3O2	1000351-75-5	70
2	Hexacosyl heptafluorobutyrate	578	C30H53F7O2	1000351-83-3	70
3	Heptacosyl pentafluoropropionate	542	C30H55F5O2	1000351-81-6	62
4	Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	62
5	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	62





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Data File : BN005923.D
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Operator : JU/SJ
Sample : K2924-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4271

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

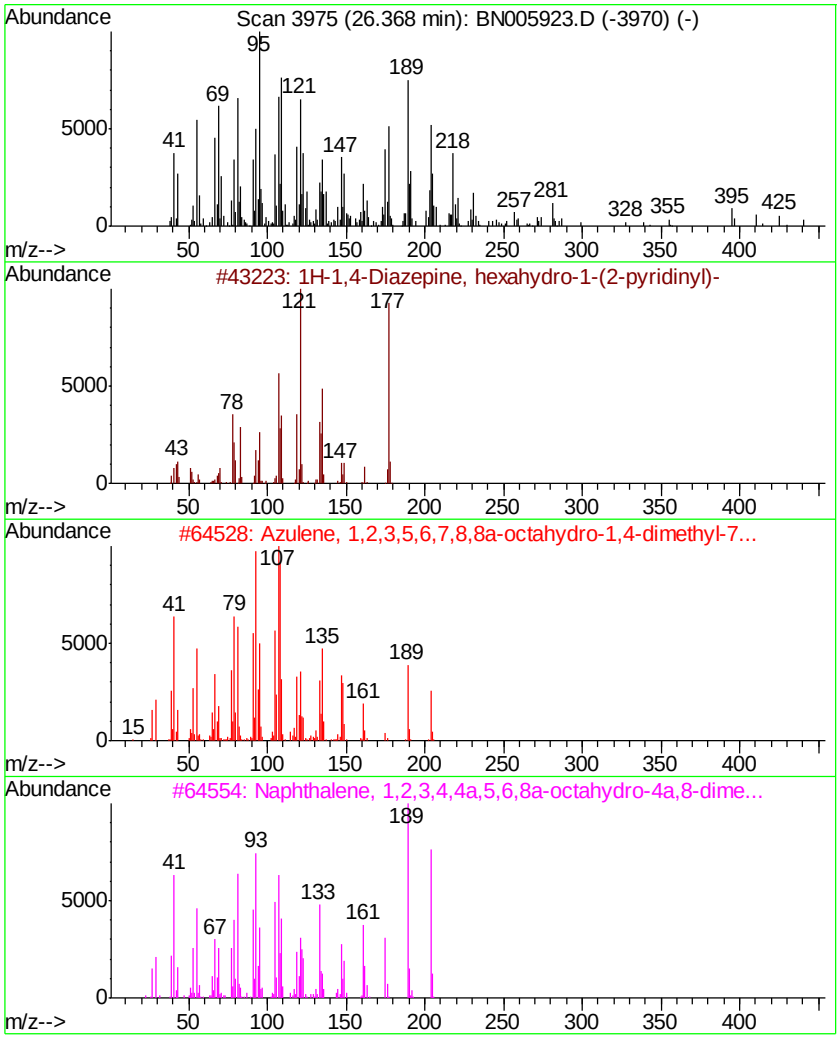
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

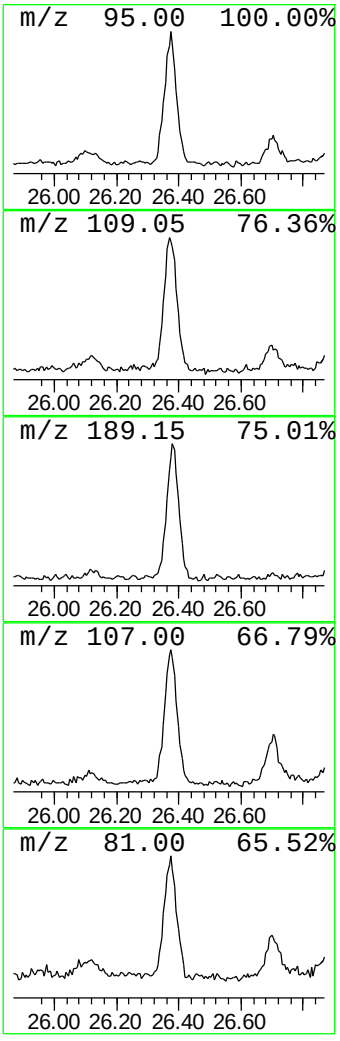
****

Peak Number 6 1H-1,4-Diazepine, hexahydro... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.37	2.85 ng/ul	1146960	Perylene-d12	23.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,4-Diazepine, hexahydro-1-(2...	177	C10H15N3	1000337-93-1	60
2	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	59
3	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	43
4	Humulane-1,6-dien-3-ol	222	C15H26O	1000140-23-1	41
5	.beta.-Humulene	204	C15H24	000116-04-1	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052919\
Data File : BN005923.D
Acq On : 29 May 2019 10:59
Operator : JU/SJ
Sample : K2924-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4271

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.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
n-Hexadecanoic acid	18.02	2.8	ng/ul	851828	4	17.12	6156790	20.0
1-Heneicosanol	21.05	3.1	ng/ul	1172430	5	21.33	7647630	20.0
(DEL) Alkane: Cyc...	21.96	3.2	ng/ul	1220730	5	21.33	7647630	20.0
(DEL) Alkane: Str...	22.93	2.2	ng/ul	869409	6	23.61	8052160	20.0
Docosyl trifluoro...	24.24	2.5	ng/ul	998101	6	23.61	8052160	20.0
1H-1,4-Diazepine,...	26.37	2.9	ng/ul	1146960	6	23.61	8052160	20.0