LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040519\
Data File : BM019783.D
Acq On : 06 Apr 2019 11:35
Operator : JU/SJ
Sample : K2303-22
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF8C1

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-BM032219MA.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	3.116	19	22	33	rVB2	21584	50145	0.89%	0.089%
2	5.145	362	367	372	rVB5	5131	7878	0.14%	0.014%
3	6.751	634	640	654	rBV	157275	332718	5.89%	0.591%
4	6.910	662	667	688	rBV	551394	975056	17.25%	1.731%
5	7.092	692	698	714	rVB	686418	1148774	20.32%	2.039%
6	7.263	723	727	735	rVB5	5225	11151	0.20%	0.020%
7	7.557	771	777	788	rBV	545842	883444	15.63%	1.568%
8	8.275	893	899	919	rBV	535101	980733	17.35%	1.741%
9	8.663	960	965	969	rBV2	3816	6633	0.12%	0.012%
10	8.728	969	976	991	rBV	758720	1324967	23.44%	2.352%
11	8.875	996	1001	1008	rVB4	21019	39054	0.69%	0.069%
12	9.051	1027	1031	1034	rVB2	4236	5742	0.10%	0.010%
13	9.439	1090	1097	1117	rBV	682667	1164403	20.60%	2.067%
14	9.910	1173	1177	1180	rBV	4001	5712	0.10%	0.010%
15	9.969	1181	1187	1211	rBV	812288	1759596	31.13%	3.123%
16	10.333	1242	1249	1261	rBV	856723	1430000	25.30%	2.538%
17	10.451	1265	1269	1273	rVB5	5623	8918	0.16%	0.016%
18	10.880	1338	1342	1346	rVB	5426	7839	0.14%	0.014%
19	11.057	1365	1372	1376	rBV5	5481	14084	0.25%	0.025%
20	11.380	1422	1427	1436	rBV	8128	13653	0.24%	0.024%
21	11.698	1474	1481	1483	rBV2	3317	5986	0.11%	0.011%
22	11.951	1519	1524	1532	rVB3	10306	21950	0.39%	0.039%
23	12.698	1647	1651	1657	rVB2	6349	9498	0.17%	0.017%
24	13.639	1805	1811	1822	rBV	1988031	2766638	48.94%	4.910%
25	13.715	1822	1824	1829	rVB4	4052	6165	0.11%	0.011%
26	13.910	1850	1857	1870	rBV	2445183	3492482	61.78%	6.198%
27	14.221	1903	1910	1921	rBV2	1357033	2043471	36.15%	3.627%
28	14.504	1951	1958	1979	rBV3	64209	255459	4.52%	0.453%
29	14.645	1979	1982	1990	rVB4	18150	27372	0.48%	0.049%
30	14.909	2019	2027	2035	rVV3	96741	150818	2.67%	0.268%
31	14.980	2035	2039	2045	rVV	69472	101992	1.80%	0.181%
32	15.057	2045	2052	2060	rVB3	19430	36279	0.64%	0.064%
33	15.221	2073	2080	2092	rBV	3144283	4349457	76.94%	7.719%
34	15.374	2100	2106	2117	rBV	805857	1220582	21.59%	2.166%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040519\
Data File : BM019783.D
Acq On : 06 Apr 2019 11:35
Operator : JU/SJ
Sample : K2303-22
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF8C1

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-BM032219MA.M
Title : SVOA CALIBRATION

35	15.462	2117	2121	2127	rVB2	37043	59006	1.04%	0.105%
36	15.598	2139	2144	2156	rVB	49024	79141	1.40%	0.140%
37	15.845	2182	2186	2189	rBV4	5726	7009	0.12%	0.012%
38	16.004	2210	2213	2219	rBV3	9167	12033	0.21%	0.021%
39	16.568	2305	2309	2314	rVB	20434	24141	0.43%	0.043%
40	16.774	2337	2344	2349	rBV2	5668	10927	0.19%	0.019%
41	16.927	2367	2370	2373	rVV	11135	13188	0.23%	0.023%
42	16.980	2373	2379	2389	rVV	1842554	2467393	43.65%	4.379%
43	17.080	2389	2396	2412	rVV	3429889	4752632	84.07%	8.435%
44	17.556	2472	2477	2479	rBV4	6489	8983	0.16%	0.016%
45	17.586	2479	2482	2486	rBV3	7923	8617	0.15%	0.015%
46	17.645	2486	2492	2497	rBV	1823226	2157448	38.16%	3.829%
47	17.698	2497	2501	2506	rVB3	16489	20963	0.37%	0.037%
48	17.762	2506	2512	2516	rVB	37754	49477	0.88%	0.088%
49	17.827	2517	2523	2526	rBV5	14622	23768	0.42%	0.042%
50	17.874	2526	2531	2537	rBV2	91513	141341	2.50%	0.251%
51	17.968	2541	2547	2554	rVB3	13100	24487	0.43%	0.043%
52	18.098	2562	2569	2578	rBV	2670025	3932656	69.57%	6.980%
53	18.339	2606	2610	2614	rBV3	32773	47727	0.84%	0.085%
54	18.386	2614	2618	2624	rVB4	57999	73290	1.30%	0.130%
55	18.509	2637	2639	2645	rVB6	5926	7275	0.13%	0.013%
56	18.656	2660	2664	2673	rBV	61243	105679	1.87%	0.188%
57	18.739	2674	2678	2682	rVB	38697	45742	0.81%	0.081%
58	18.903	2702	2706	2710	rBV4	6543	10989	0.19%	0.020%
59	19.021	2722	2726	2737	rVB	36685	67420	1.19%	0.120%
60	19.168	2746	2751	2758	rBV	82344	141311	2.50%	0.251%
61	19.280	2766	2770	2778	rVB2	74275	104307	1.85%	0.185%
62	19.392	2782	2789	2795	rBV	4219891	5653134	100.00%	10.033%
63	19.450	2795	2799	2812	rVB	156633	281809	4.99%	0.500%
64	19.721	2843	2845	2848	rVB3	18349	15662	0.28%	0.028%
65	19.762	2849	2852	2857	rVB3	31854	37240	0.66%	0.066%
66	20.180	2919	2923	2927	rVB2	91946	102755	1.82%	0.182%
67	20.239	2929	2933	2937	rBV7	12388	28144	0.50%	0.050%
68	21.191	3089	3095	3106	rBV	2172101	2878569	50.92%	5.109%
69	21.744	3186	3189	3193	rBV	91909	99960	1.77%	0.177%
70	22.197	3262	3266	3274	rBV	165322	257089	4.55%	0.456%
71	22.685	3345	3349	3356	rVB2	187150	304736	5.39%	0.541%

LSC Area Percent Report

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Acq On : 06 Apr 2019 11:35
Operator : JU/SJ
Sample : K2303-22
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF8C1

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Title : SVOA CALIBRATION

72	23.250	3437	3445	3454	rBV2	2665274	5007816	88.58%	8.888%
73	23.391	3462	3469	3478	rVB	1270189	2342908	41.44%	4.158%
74	23.850	3544	3547	3554	rVB	160290	278944	4.93%	0.495%

Sum of corrected areas: 56344365

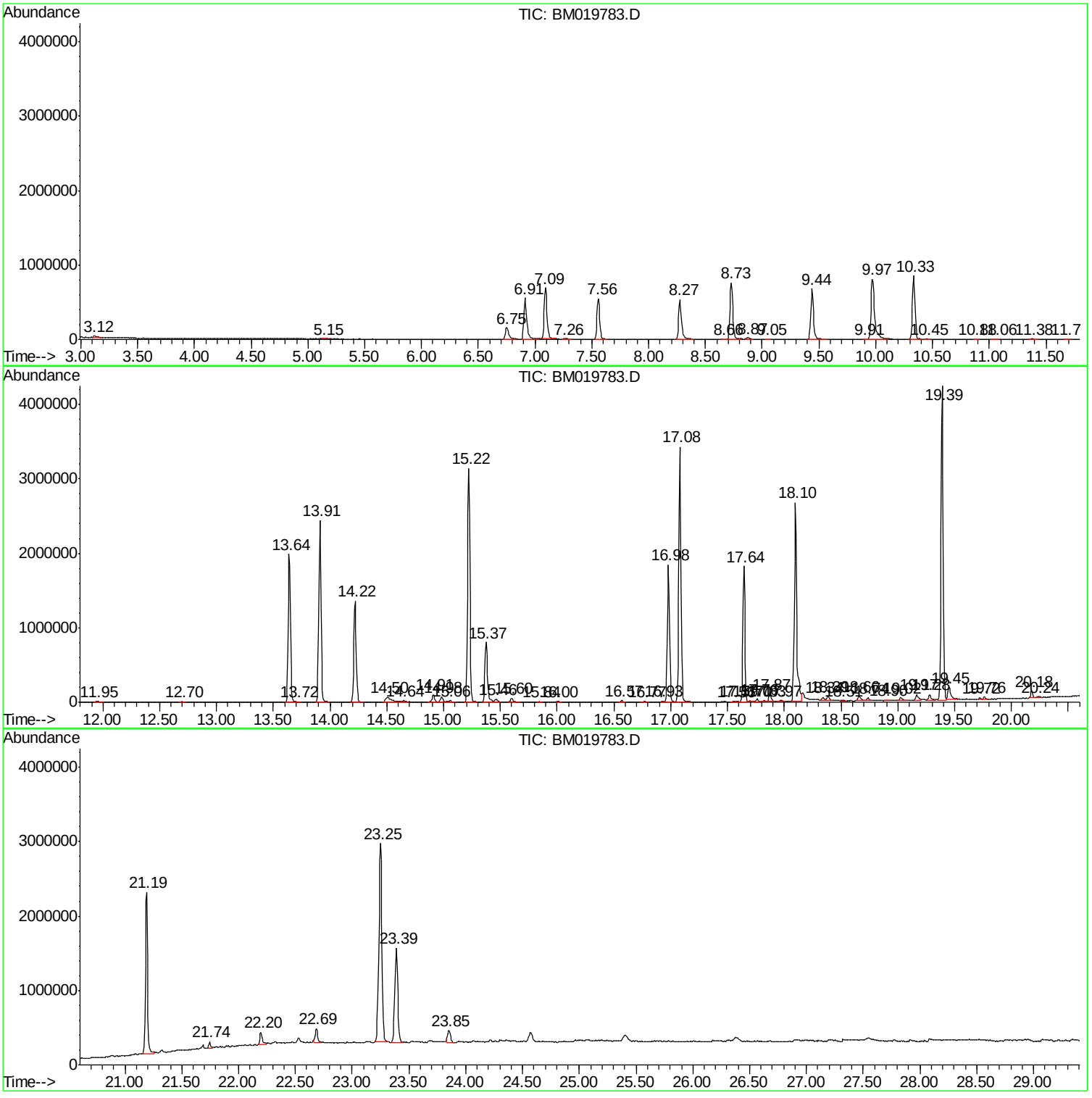
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040519\
Data File : BM019783.D
Acq On : 06 Apr 2019 11:35
Operator : JU/SJ
Sample : K2303-22
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BF8C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.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\BM040519\
Data File : BM019783.D
Acq On : 06 Apr 2019 11:35
Operator : JU/SJ
Sample : K2303-22
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF8C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

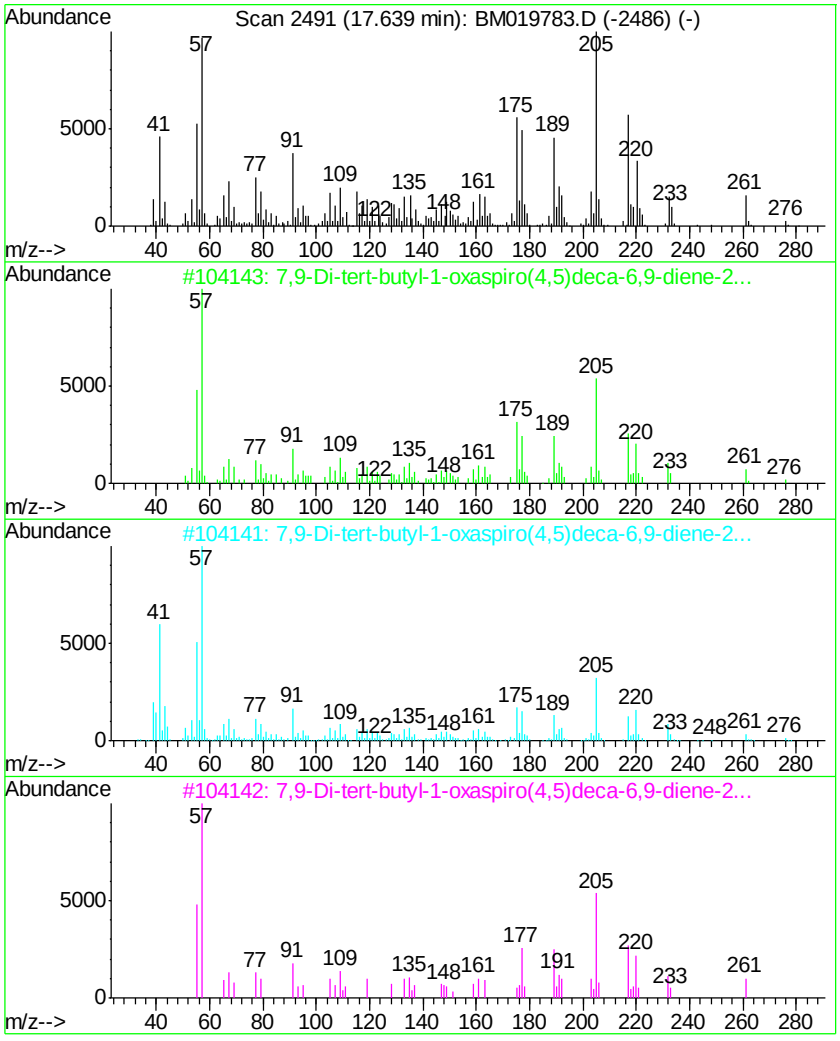
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

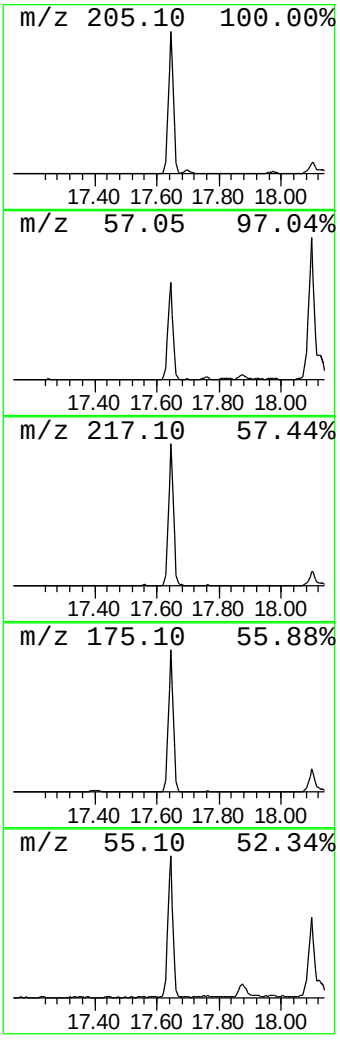
****

Peak Number 1 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	17.49 ng/ul	2157450	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	99
2	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	92
3	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	90
4	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	86
5	2,5-di-tert-Butyl-1,4-benzoquinone	220	C14H20O2	002460-77-7	44





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040519\
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Acq On : 06 Apr 2019 11:35
Operator : JU/SJ
Sample : K2303-22
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF8C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

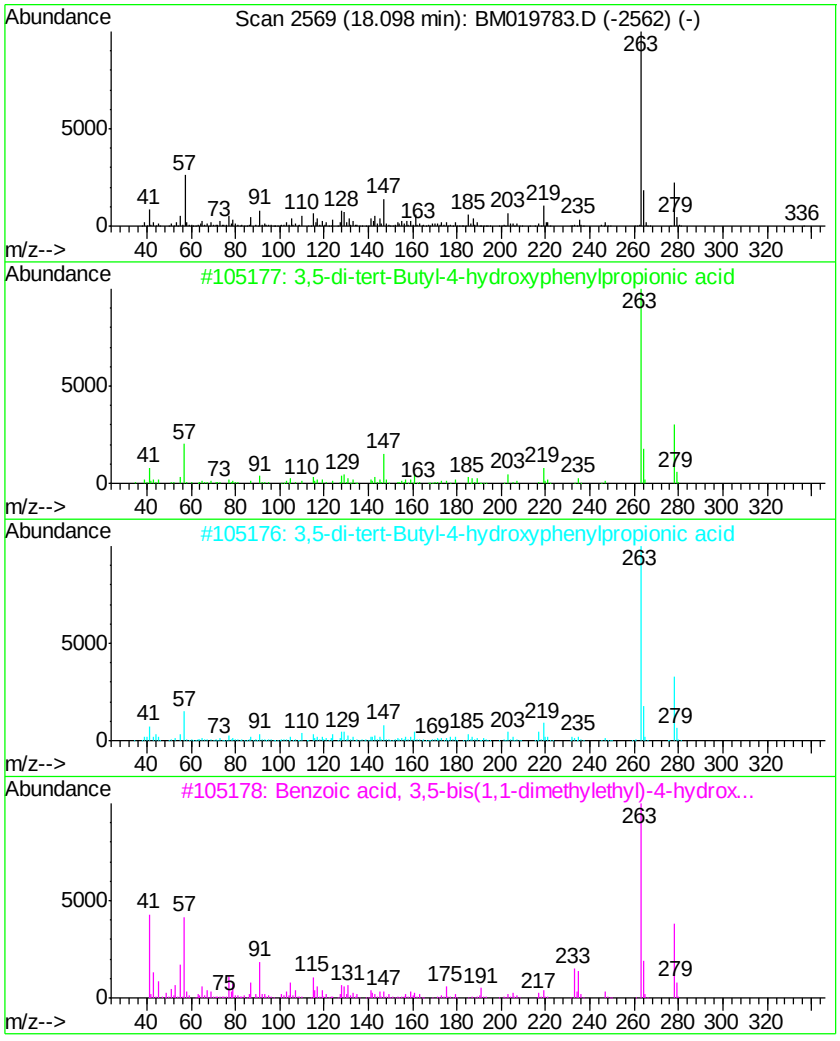
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

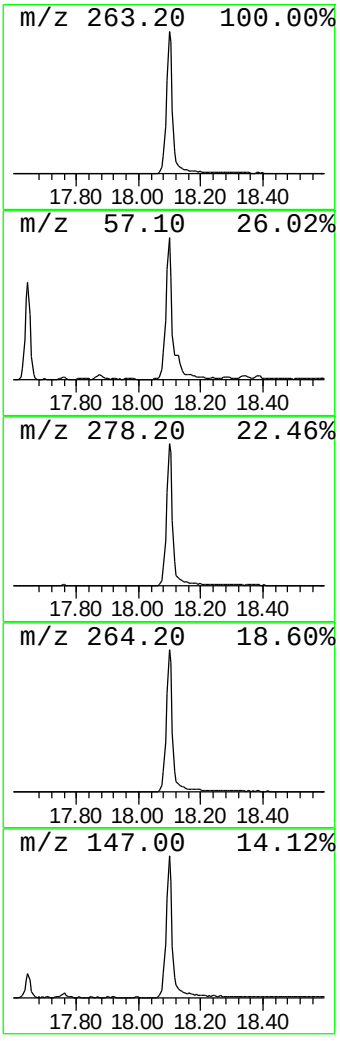
****

Peak Number 2 3,5-di-tert-Butyl-4-hydroxy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	31.88 ng/ul	3932660	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-di-tert-Butyl-4-hydroxypheny...	278	C17H26O3	020170-32-5	94
2	3,5-di-tert-Butyl-4-hydroxypheny...	278	C17H26O3	020170-32-5	70
3	Benzoic acid, 3,5-bis(1,1-dimeth...	278	C17H26O3	001620-64-0	49
4	4,6-Dinitro-1,1,3,3,5-pentamethy...	278	C14H18N2O4	000116-66-5	45
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040519\
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Operator : JU/SJ
Sample : K2303-22
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF8C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

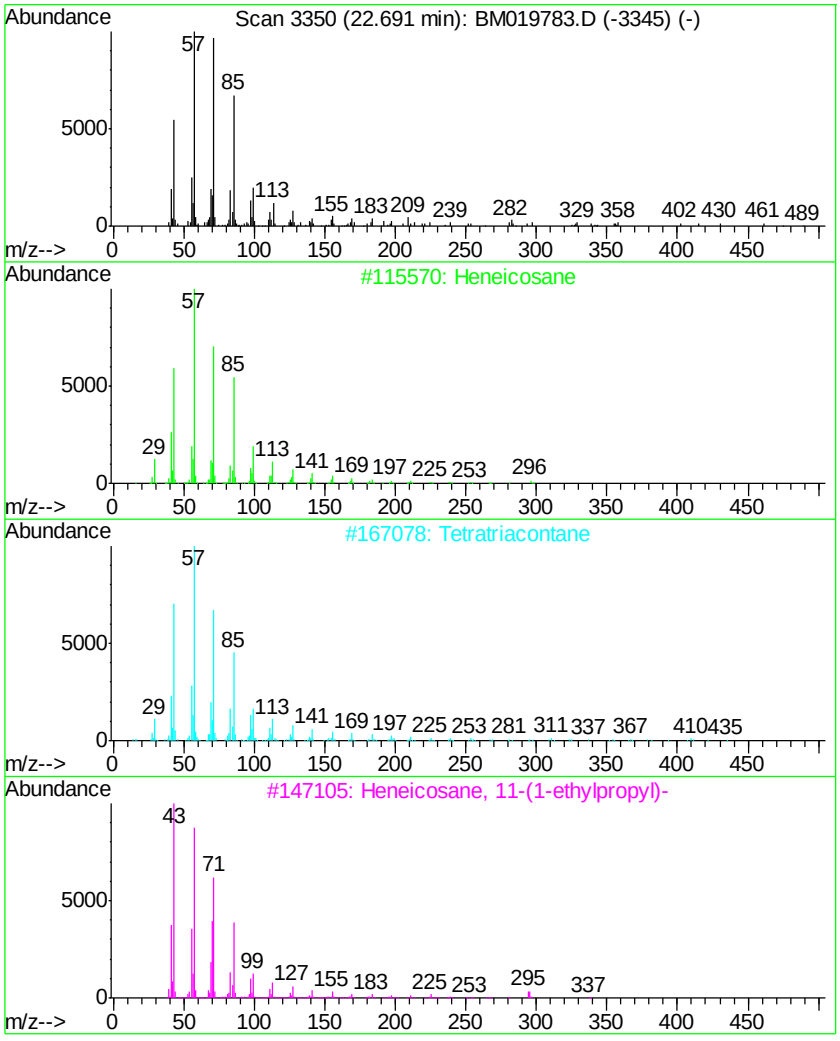
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

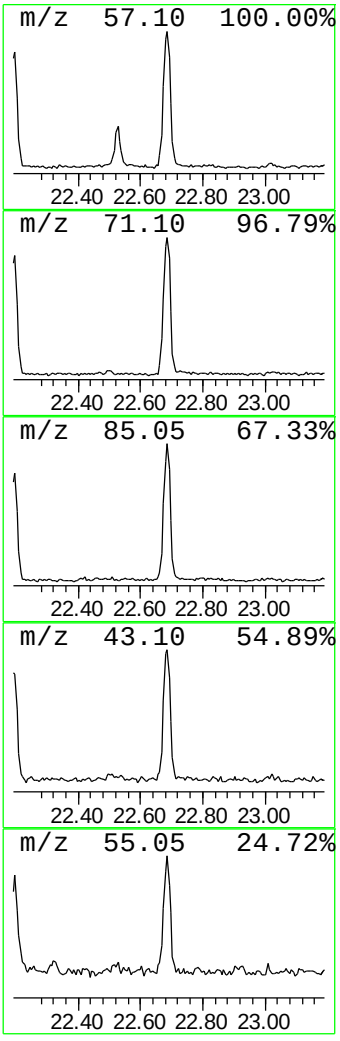
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	2.60 ng/ul	304736	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Tetratriacontane	479	C34H70	014167-59-0	87
3	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87
4	Triacontane	422	C30H62	000638-68-6	87
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87





Library Search Compound Report

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Data File : BM019783.D
Acq On : 06 Apr 2019 11:35
Operator : JU/SJ
Sample : K2303-22
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF8C1

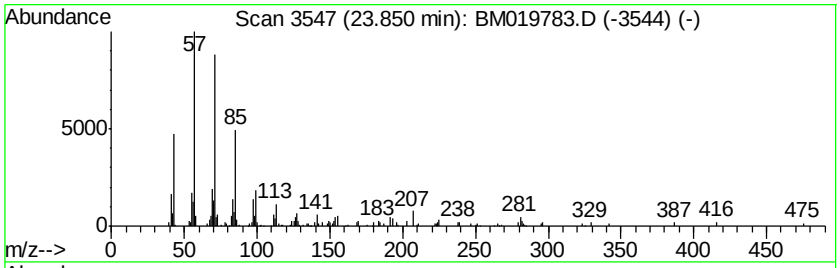
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

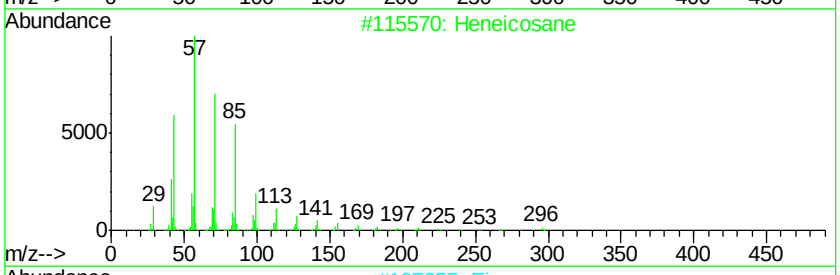
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

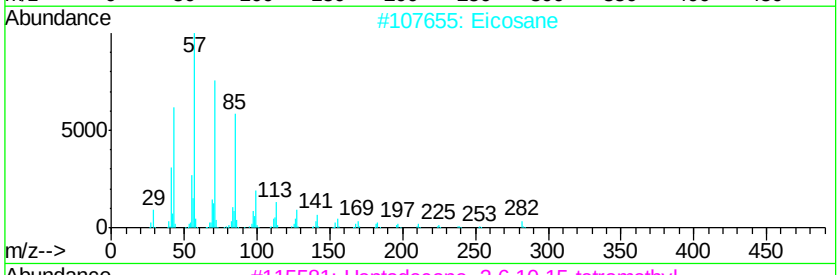
****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 4

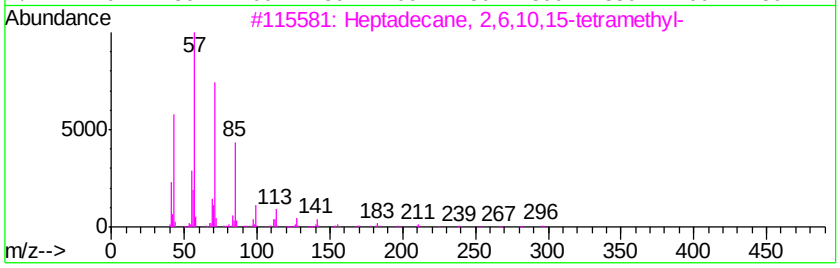
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.85	2.38 ng/ul	278944	Perylene-d12	23.39

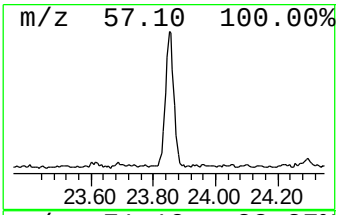
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	99
2	Eicosane	282	C20H42	000112-95-8	95
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
5	Eicosane	282	C20H42	000112-95-8	90

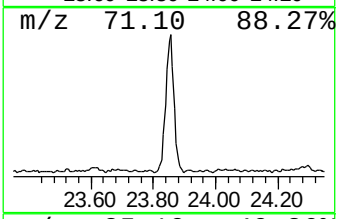


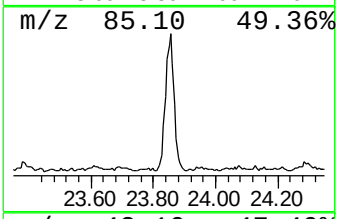


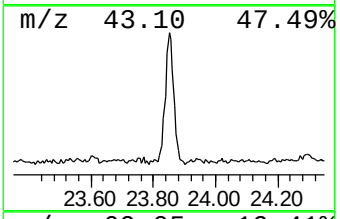


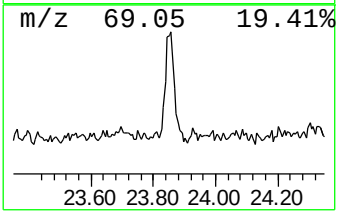












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040519\
Data File : BM019783.D
Acq On : 06 Apr 2019 11:35
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Sample : K2303-22
Misc :
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Instrument : BNA_M
ClientSampleId : BF8C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.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
7,9-Di-tert-butyl...	17.64	17.5	ng/ul	2157450	4	16.98	2467390	20.0
3,5-di-tert-Butyl...	18.10	31.9	ng/ul	3932660	4	16.98	2467390	20.0
(DEL) Alkane: Str...	22.69	2.6	ng/ul	304736	6	23.39	2342910	20.0
(DEL) Alkane: Str...	23.85	2.4	ng/ul	278944	6	23.39	2342910	20.0