LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
Data File : BN005818.D
Acq On : 21 May 2019 02:06
Operator : JU/SJ
Sample : K2693-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHE9

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-BN051819MA.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	3.887	146	153	167	rBV	10192769	15477898	100.00%	26.023%
2	6.769	637	643	657	rVB	489804	1014512	6.55%	1.706%
3	6.917	663	668	678	rVB	416481	655303	4.23%	1.102%
4	7.111	695	701	711	rVB	577403	952288	6.15%	1.601%
5	7.569	773	779	790	rVB	443062	743409	4.80%	1.250%
6	8.281	894	900	915	rBV	672156	1230899	7.95%	2.070%
7	8.716	968	974	989	rVB	577182	1008085	6.51%	1.695%
8	9.434	1090	1096	1105	rBV	462732	817170	5.28%	1.374%
9	9.975	1181	1188	1212	rBV	673205	1353285	8.74%	2.275%
10	10.328	1242	1248	1261	rVB	646462	1084800	7.01%	1.824%
11	10.481	1267	1274	1295	rBV	601703	1258148	8.13%	2.115%
12	13.628	1802	1809	1813	rBV	1482365	2099482	13.56%	3.530%
13	13.675	1813	1817	1826	rVB	301712	449921	2.91%	0.756%
14	13.899	1848	1855	1866	rBV	1734840	2595927	16.77%	4.365%
15	14.210	1901	1908	1920	rVB2	1078232	1578572	10.20%	2.654%
16	14.469	1946	1952	1976	rBV	316590	863396	5.58%	1.452%
17	15.216	2072	2079	2087	rBV	2125189	3195561	20.65%	5.373%
18	15.381	2102	2107	2116	rBV	138071	249851	1.61%	0.420%
19	15.457	2116	2120	2124	rVB	23541	33469	0.22%	0.056%
20	16.398	2276	2280	2286	rBV4	9951	18443	0.12%	0.031%
21	16.969	2371	2377	2387	rBV2	1505890	2049145	13.24%	3.445%
22	17.069	2387	2394	2408	rBV	2421970	3621078	23.40%	6.088%
23	17.375	2441	2446	2454	rBV5	16985	38927	0.25%	0.065%
24	17.757	2507	2511	2520	rBV6	15153	33423	0.22%	0.056%
25	17.892	2529	2534	2552	rBV	501737	933134	6.03%	1.569%
26	18.763	2679	2682	2688	rBV5	10405	18474	0.12%	0.031%
27	18.822	2688	2692	2697	rVB3	13516	17861	0.12%	0.030%
28	19.022	2722	2726	2731	rBV	26973	65521	0.42%	0.110%
29	19.186	2750	2754	2764	rBV2	148660	288043	1.86%	0.484%
30	19.275	2765	2769	2773	rVB	27704	43894	0.28%	0.074%
31	19.386	2782	2788	2795	rBV	3024367	4182750	27.02%	7.033%
32	19.445	2795	2798	2803	rVB2	35450	40428	0.26%	0.068%
33	19.804	2856	2859	2864	rBV6	10239	15913	0.10%	0.027%
34	19.951	2880	2884	2887	rVB	53144	58624	0.38%	0.099%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
Data File : BN005818.D
Acq On : 21 May 2019 02:06
Operator : JU/SJ
Sample : K2693-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHE9

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-BN051819MA.M
Title : SVOA CALIBRATION

35	20.322	2943	2947	2953	rVB7	19099	37368	0.24%	0.063%
36	20.451	2965	2969	2973	rBV	104748	119723	0.77%	0.201%
37	20.486	2973	2975	2980	rVB6	14236	17475	0.11%	0.029%
38	20.922	3045	3049	3059	rBV	334640	573616	3.71%	0.964%
39	21.204	3092	3097	3103	rBV	1521789	2037312	13.16%	3.425%
40	21.363	3120	3124	3129	rBV	187962	218610	1.41%	0.368%
41	21.792	3194	3197	3201	rBV	202622	222365	1.44%	0.374%
42	22.251	3271	3275	3280	rVB	238446	310195	2.00%	0.522%
43	22.369	3290	3295	3303	rBV	1383616	1801695	11.64%	3.029%
44	22.745	3354	3359	3364	rVB	218350	314007	2.03%	0.528%
45	23.274	3442	3449	3458	rBV	1804978	3451397	22.30%	5.803%
46	23.410	3466	3472	3483	rVB	874322	1744368	11.27%	2.933%
47	23.916	3553	3558	3564	rVB	183680	316627	2.05%	0.532%
48	24.633	3676	3680	3688	rVB3	114292	224435	1.45%	0.377%

Sum of corrected areas: 59476827

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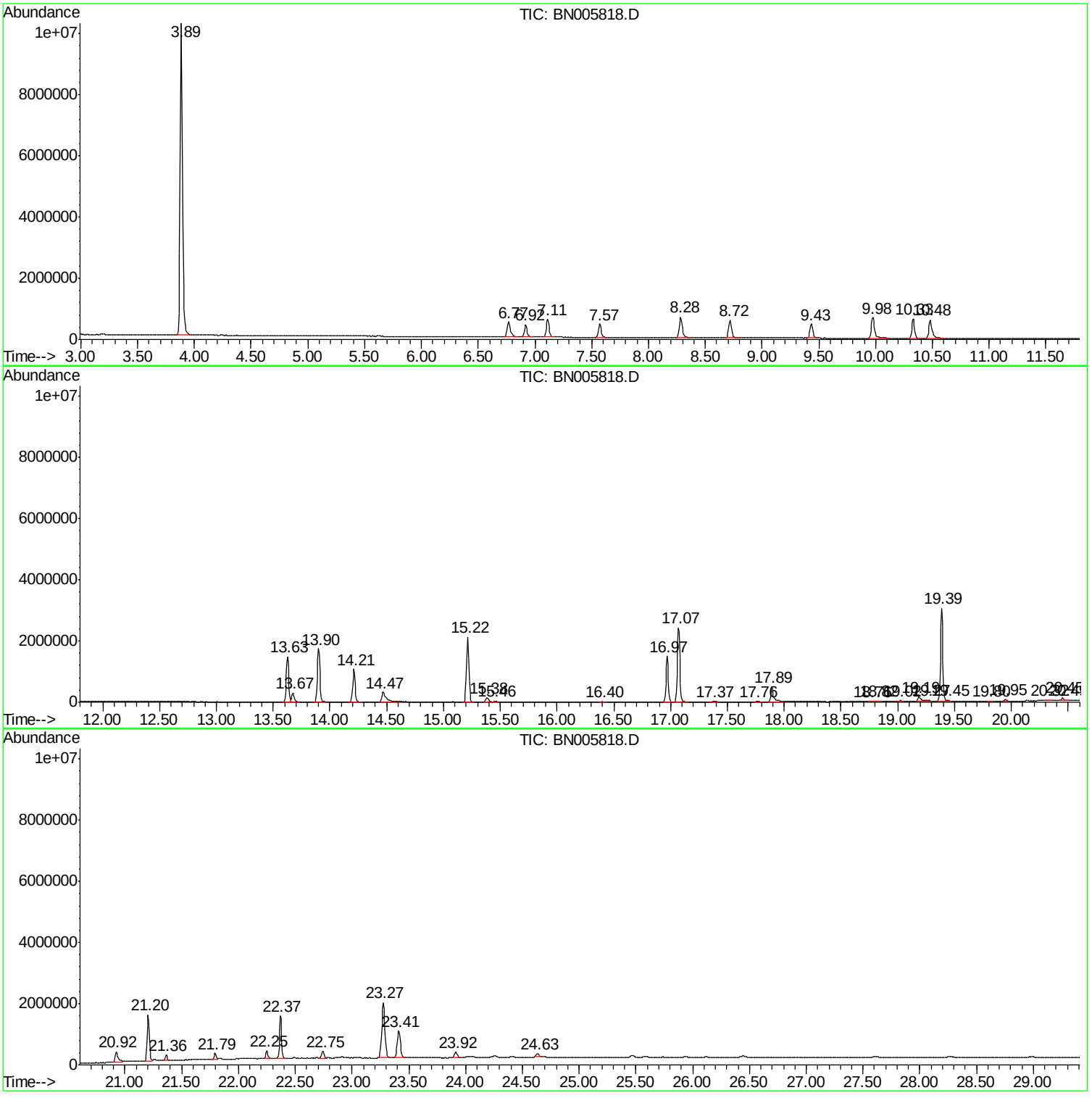
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFHE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Acq On : 21 May 2019 02:06
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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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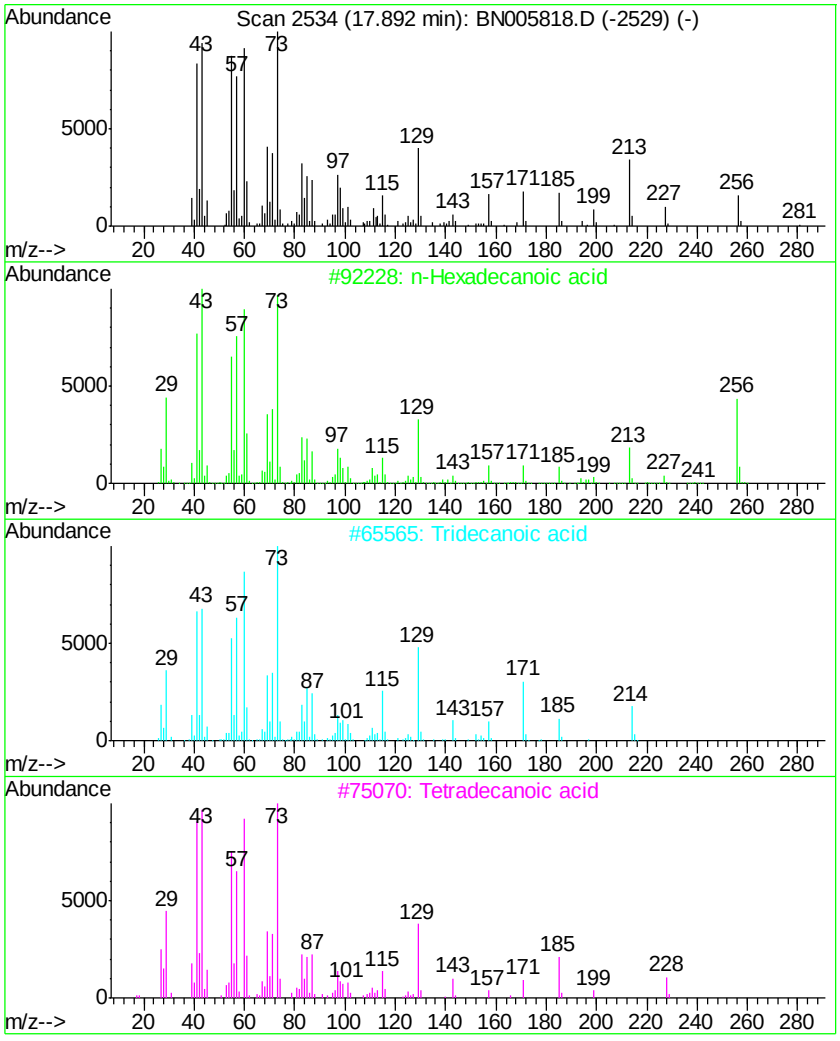
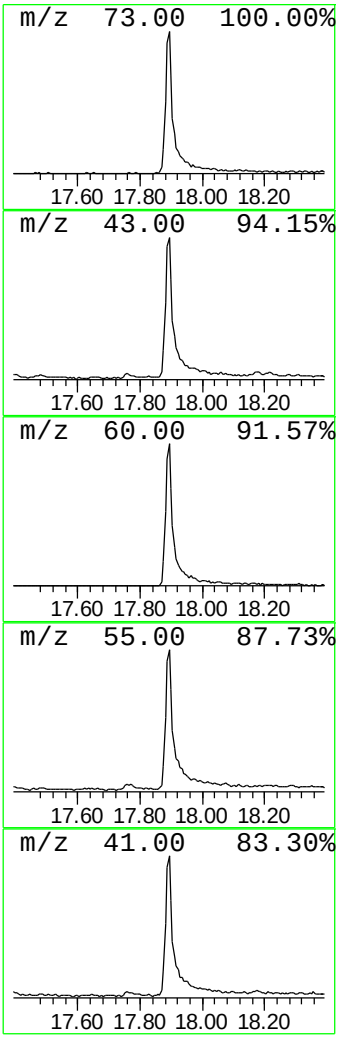
Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	9.11 ng/ul	933134	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	80
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





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Acq On : 21 May 2019 02:06
Operator : JU/SJ
Sample : K2693-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

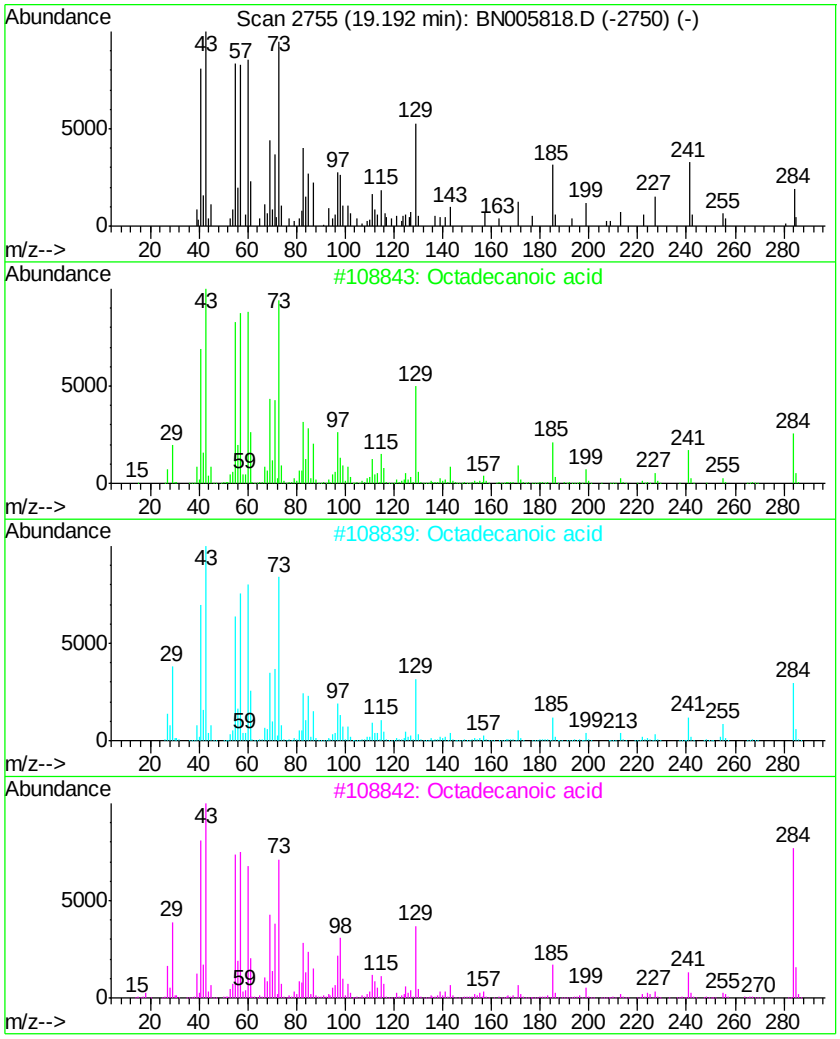
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

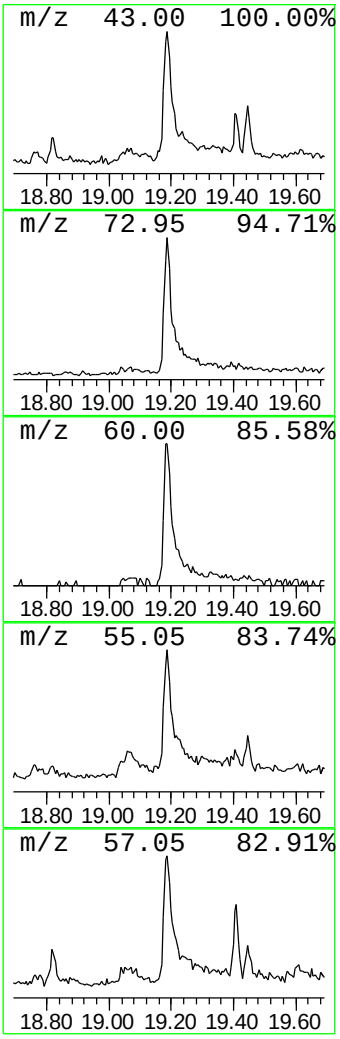
****

Peak Number 3 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	2.83 ng/ul	288043	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
5	Octadecanoic acid	284	C18H36O2	000057-11-4	70





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Data File : BN005818.D
Acq On : 21 May 2019 02:06
Operator : JU/SJ
Sample : K2693-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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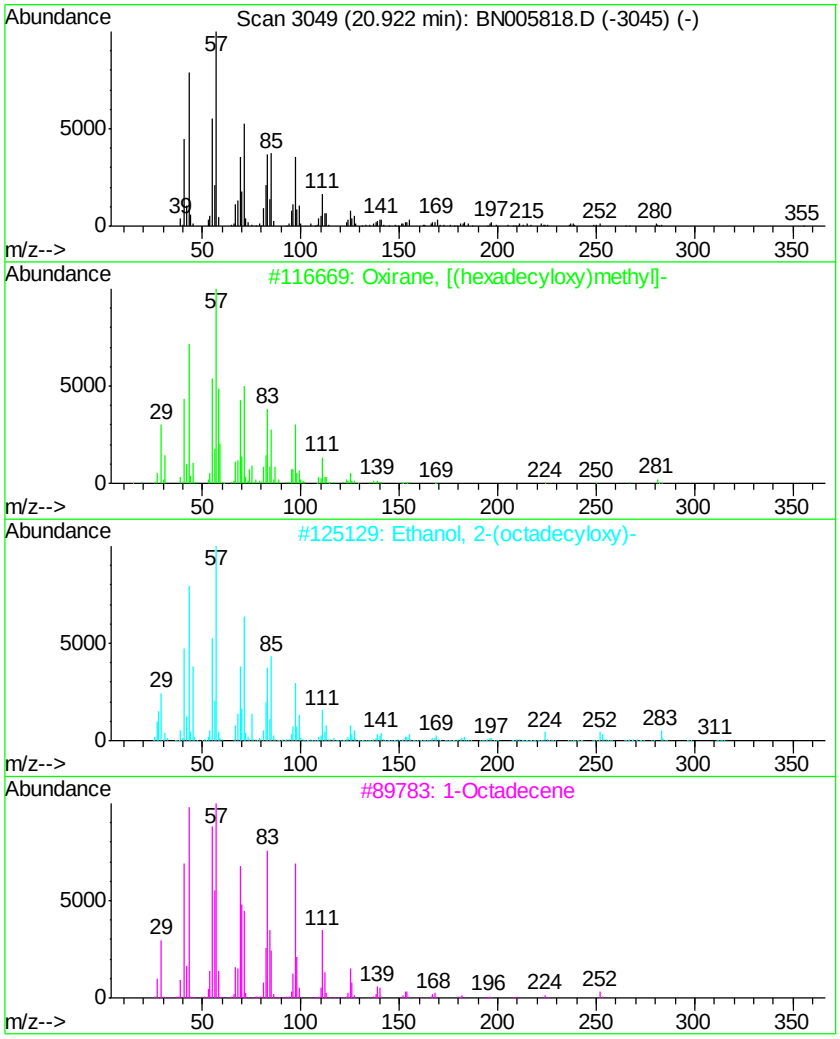
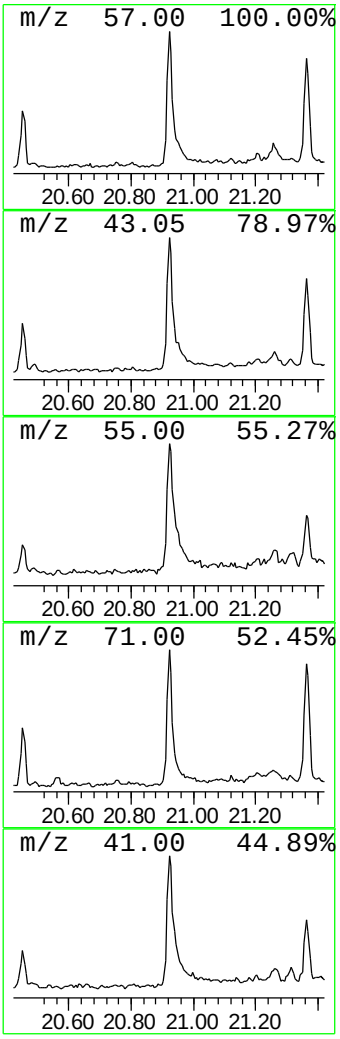
Peak Number 4 Oxirane, [(hexadecyloxy)met... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	5.63 ng/ul	573616	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, [(hexadecyloxy)methyl]-	298	C19H38O2	015965-99-8	91
2	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	91
3	1-Octadecene	252	C18H36	000112-88-9	90
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	74
5	9-Eicosene, (E)-	280	C20H40	074685-29-3	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
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Operator : JU/SJ
Sample : K2693-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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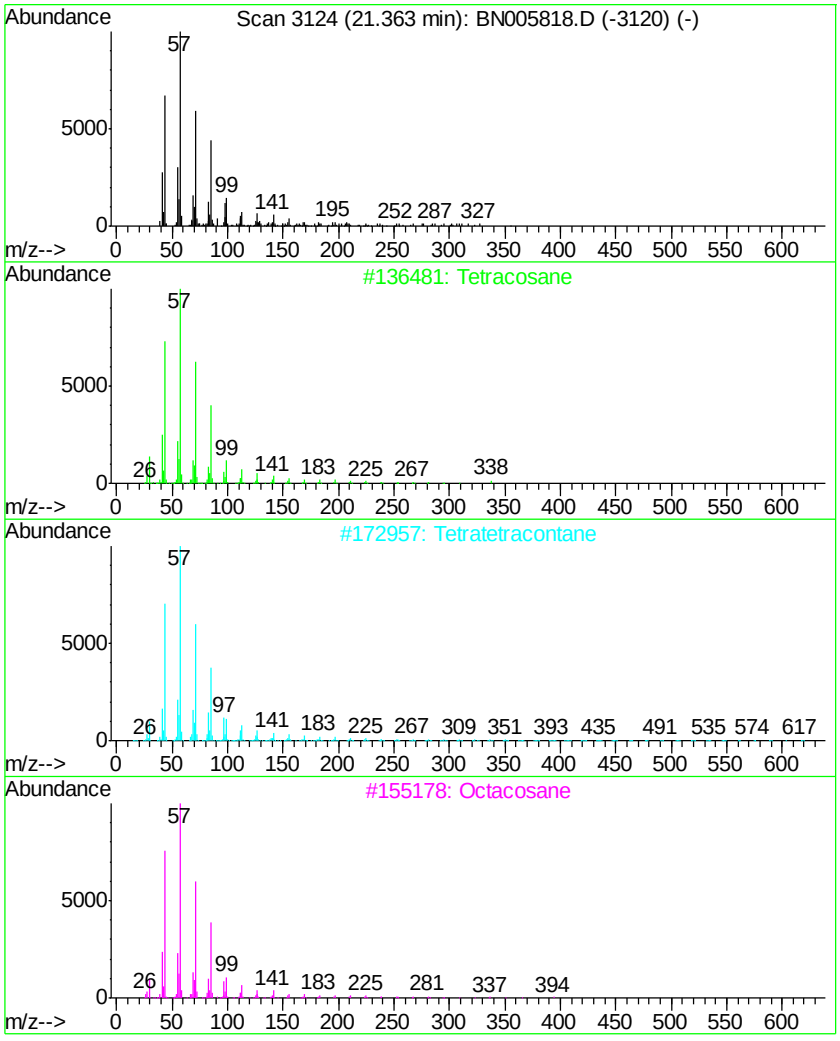
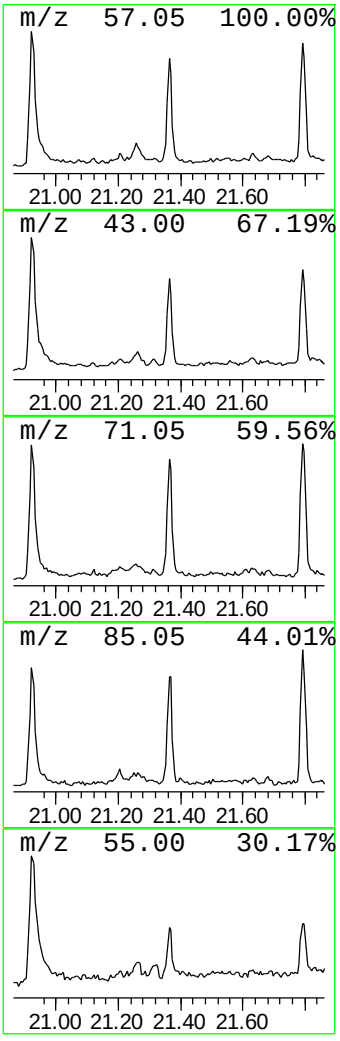
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	2.15 ng/ul	218610	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	90
2	Tetratetracontane	619	C44H90	007098-22-8	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Heptacosane	380	C27H56	000593-49-7	90
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
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Sample : K2693-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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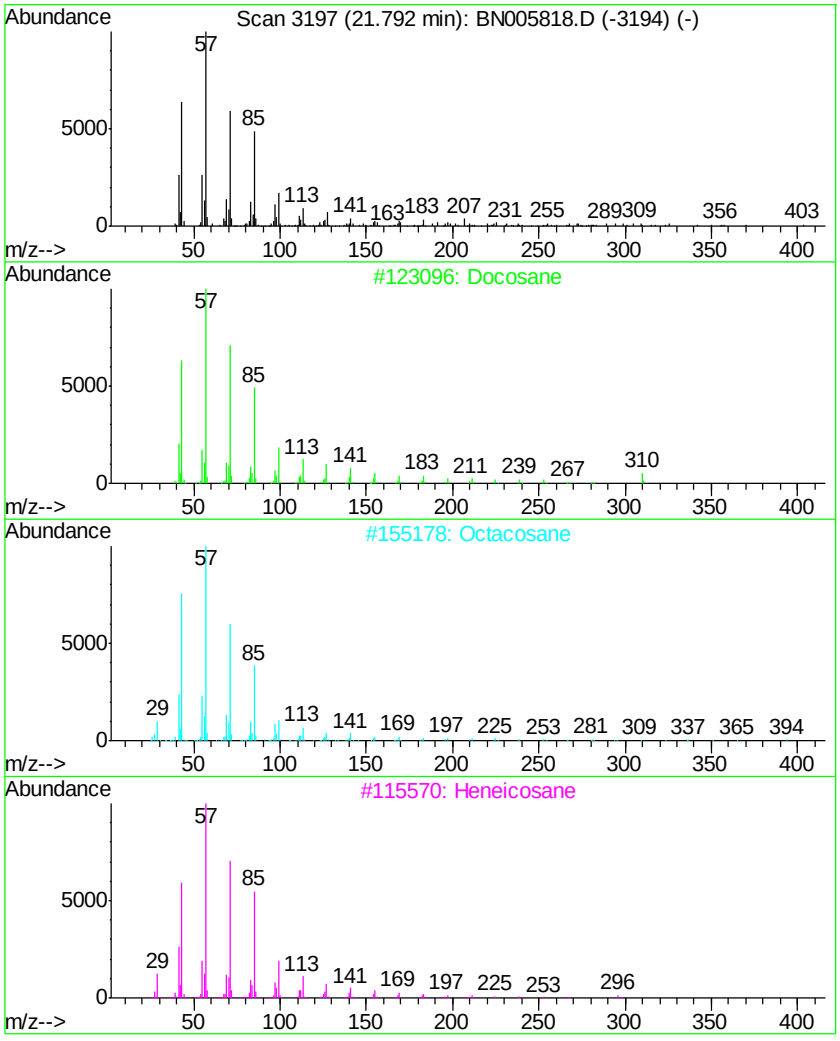
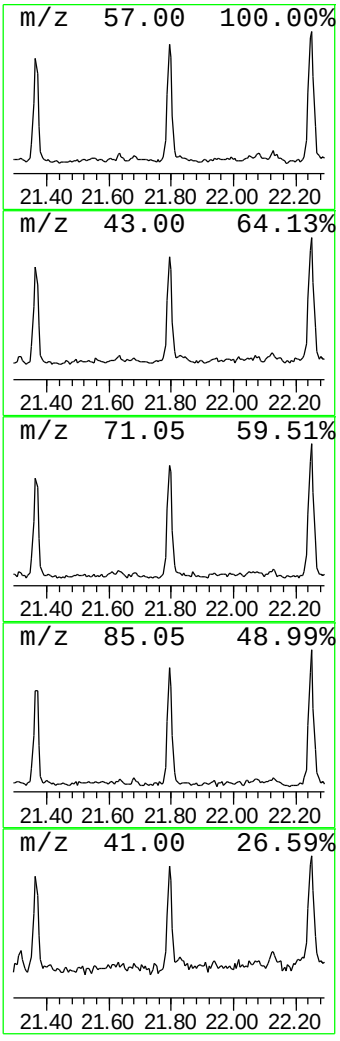
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.79	2.18 ng/ul	222365	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	94
2	Octacosane	394	C28H58	000630-02-4	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Eicosane	282	C20H42	000112-95-8	83
5	Heptadecane	240	C17H36	000629-78-7	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
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Acq On : 21 May 2019 02:06
Operator : JU/SJ
Sample : K2693-16
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ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFHE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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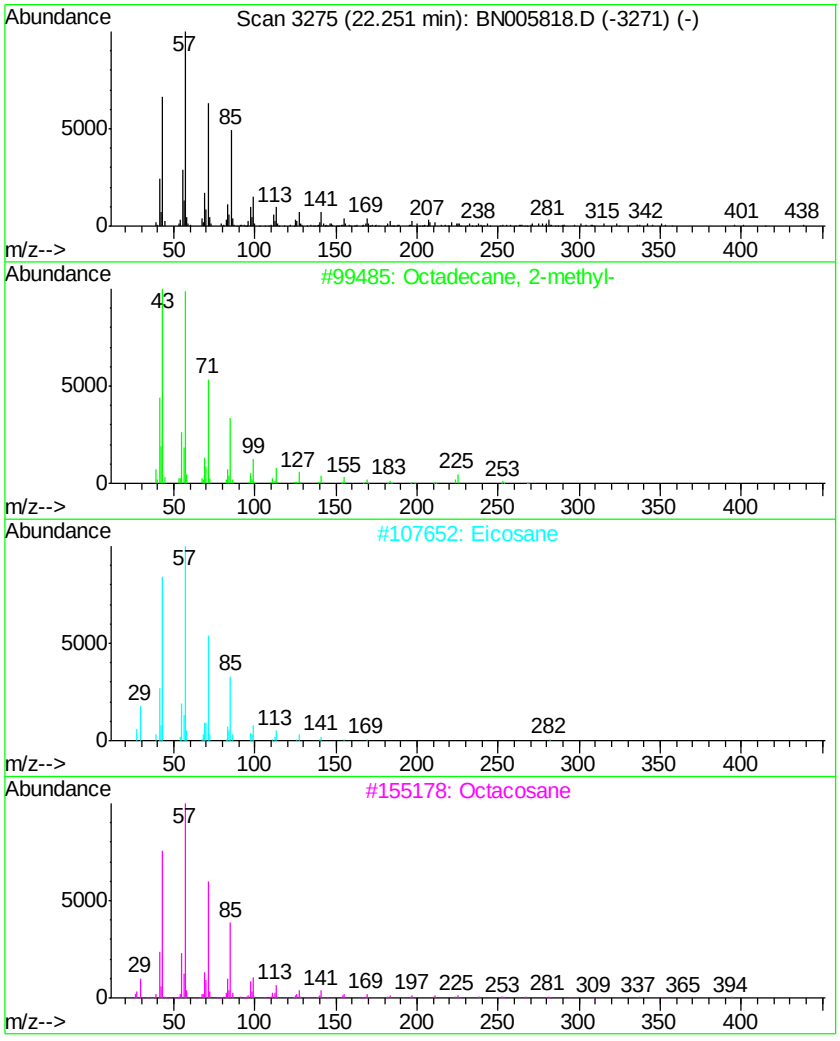
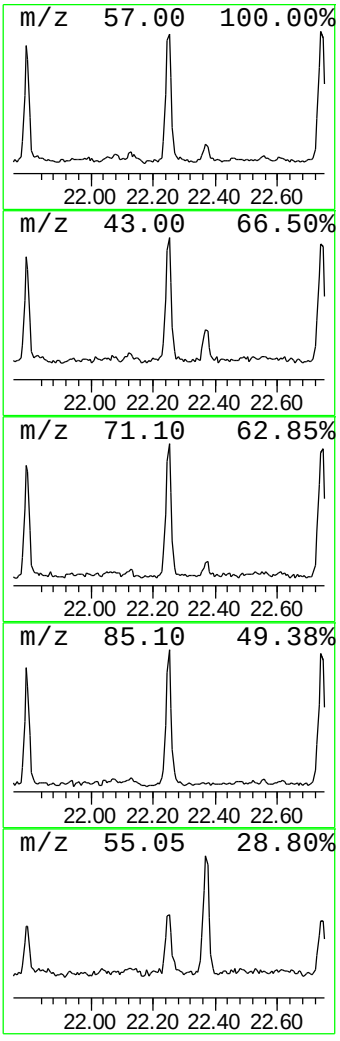
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.25	3.05 ng/ul	310195	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
2	Eicosane	282	C20H42	000112-95-8	91
3	Octacosane	394	C28H58	000630-02-4	90
4	Heptacosane	380	C27H56	000593-49-7	90
5	Heneicosane	296	C21H44	000629-94-7	90





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Sample : K2693-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

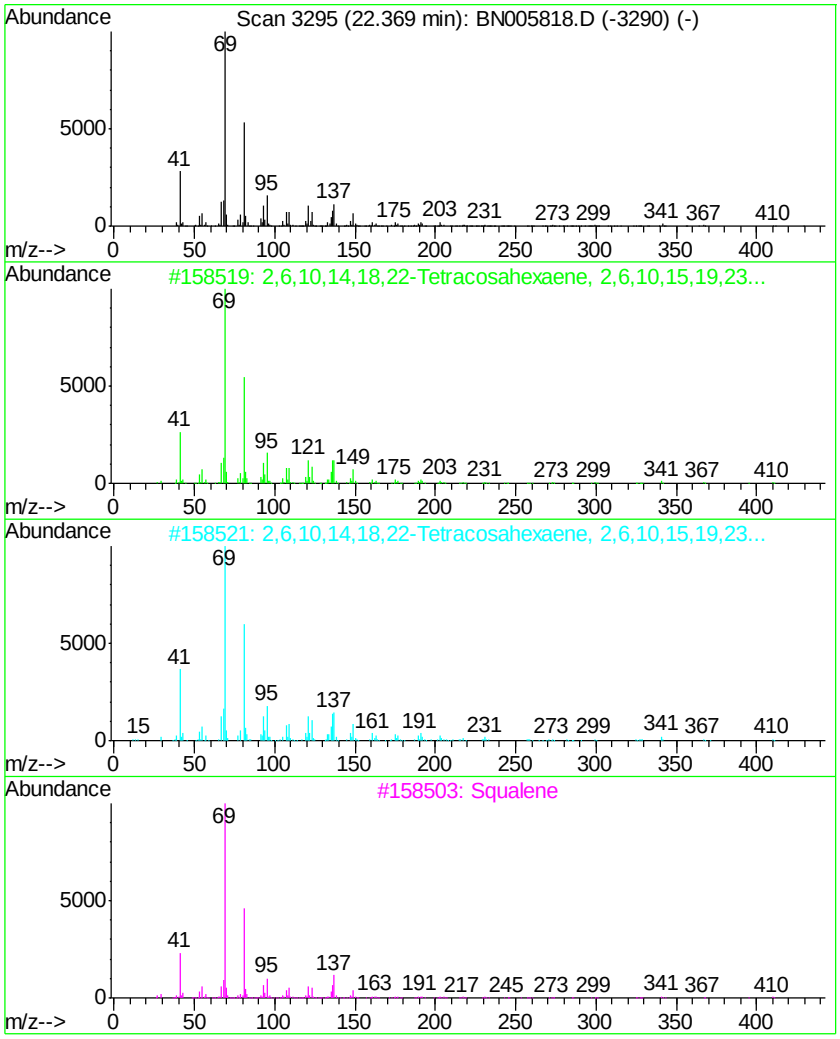
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

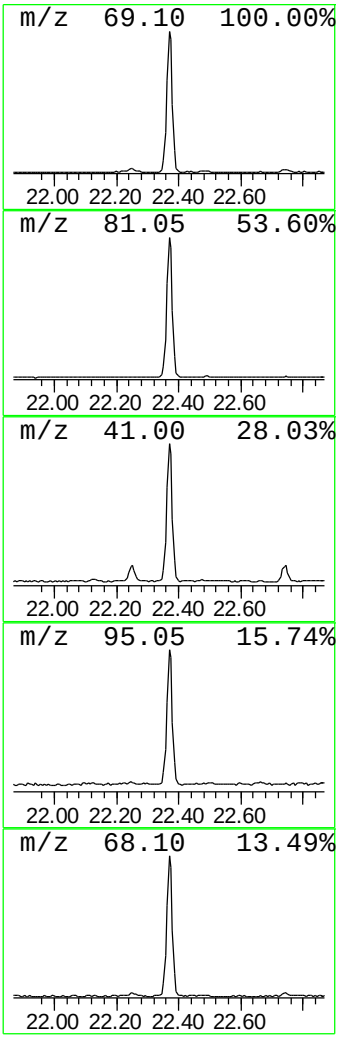
****

Peak Number 8 2,6,10,14,18,22-Tetracosahe... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.37	20.66 ng/ul	1801700	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	95
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	91
3	Squalene	410	C30H50	007683-64-9	91
4	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	91
5	Farnesol isomer a	222	C15H26O	1000108-92-4	72





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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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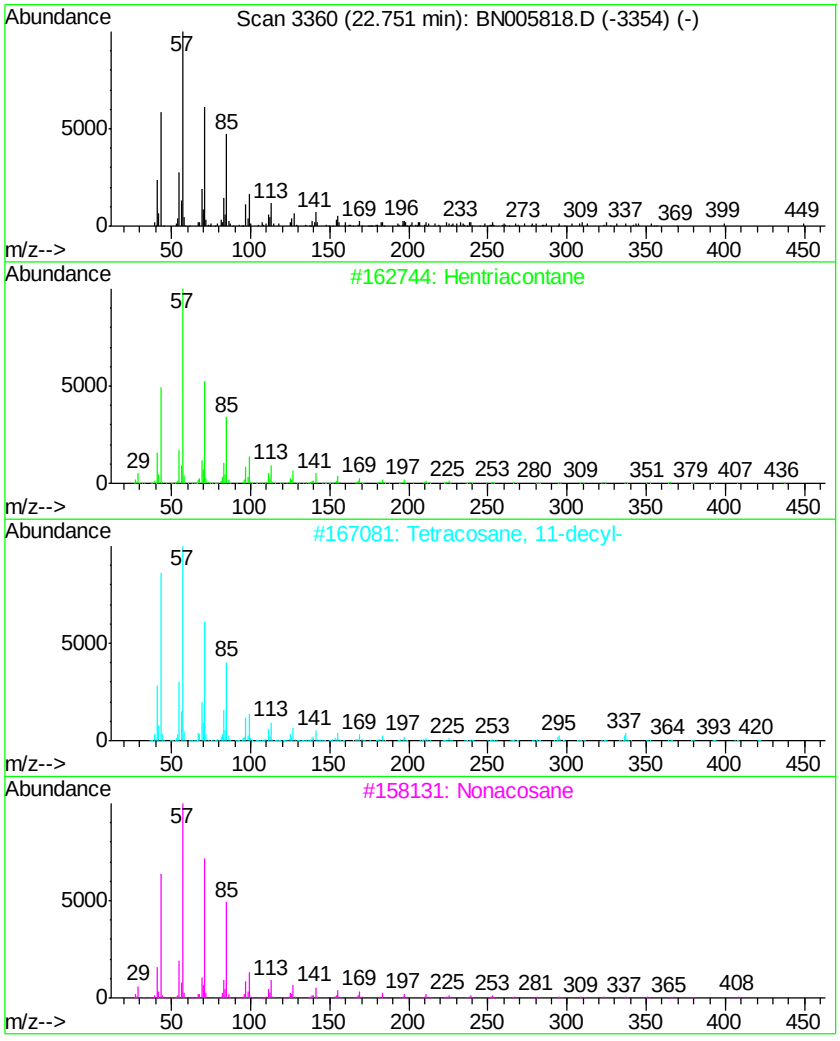
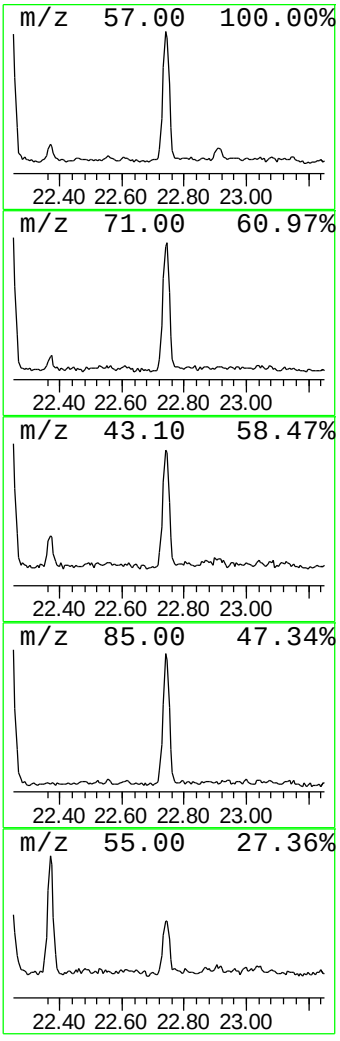
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	3.60 ng/ul	314007	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	90
2	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	90
3	Nonacosane	408	C29H60	000630-03-5	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Tetracosane	338	C24H50	000646-31-1	90





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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

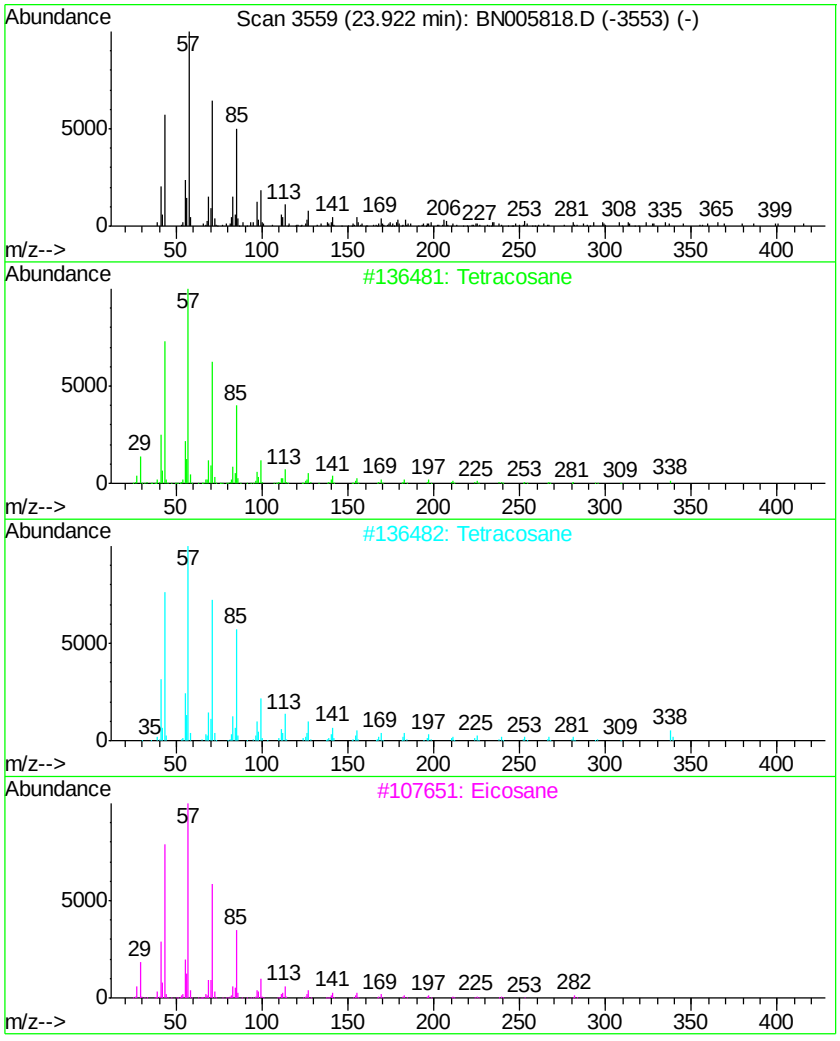
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

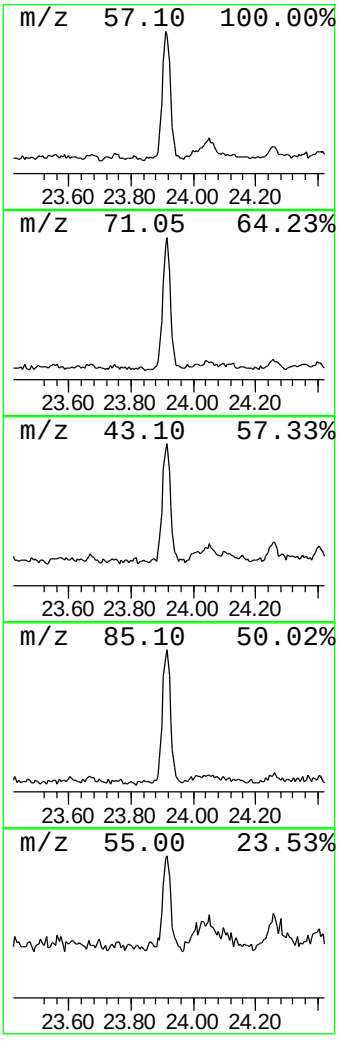
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.92	3.63 ng/ul	316627	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	96
2	Tetracosane	338	C24H50	000646-31-1	95
3	Eicosane	282	C20H42	000112-95-8	93
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
5	Tricosane, 2-methyl-	338	C24H50	001928-30-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
Data File : BN005818.D
Acq On : 21 May 2019 02:06
Operator : JU/SJ
Sample : K2693-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

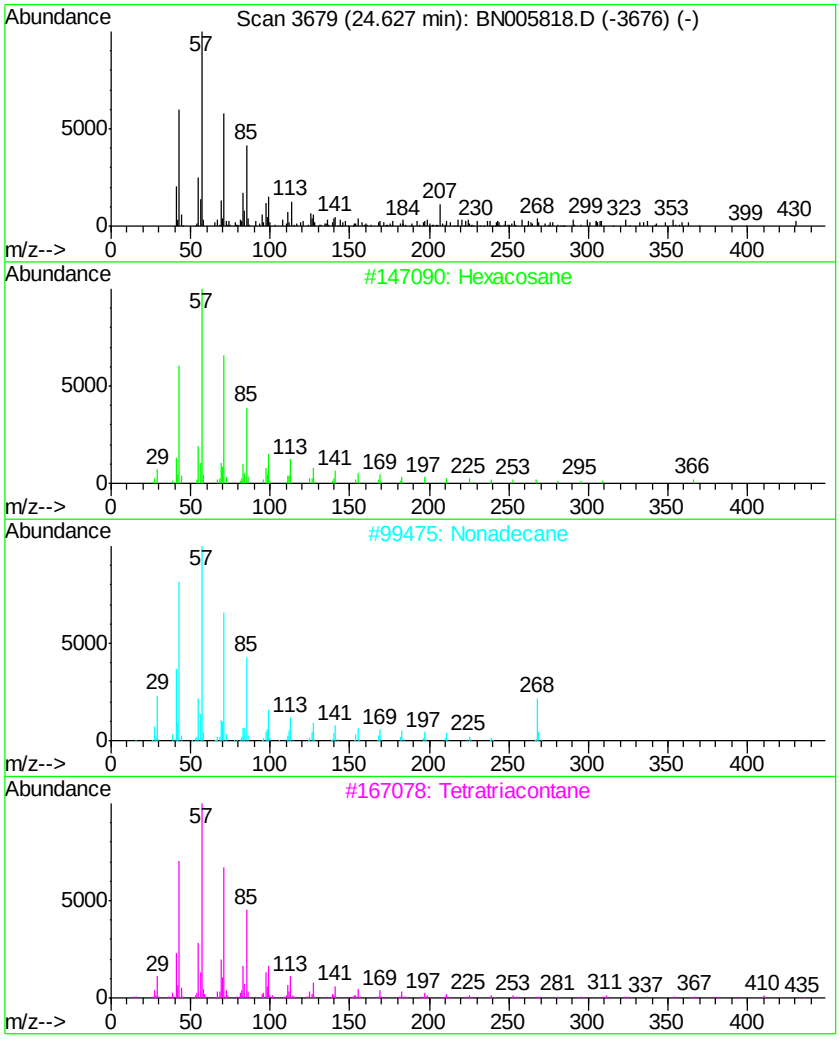
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

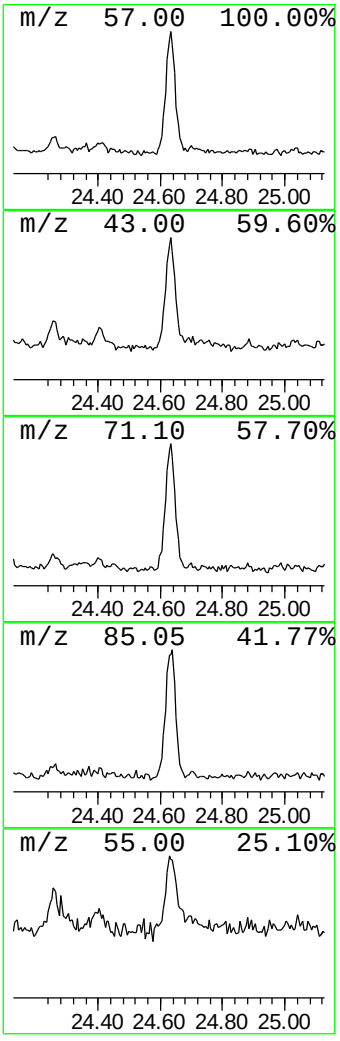
****

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.63	2.57 ng/ul	224435	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Nonadecane	268	C19H40	000629-92-5	89
3	Tetratriacontane	479	C34H70	014167-59-0	87
4	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	87
5	Hentriacontane	437	C31H64	000630-04-6	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
Data File : BN005818.D
Acq On : 21 May 2019 02:06
Operator : JU/SJ
Sample : K2693-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHE9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.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
n-Hexadecanoic acid	17.89	9.1	ng/ul	933134	4	16.97	2049150	20.0
Octadecanoic acid	19.19	2.8	ng/ul	288043	5	21.20	2037310	20.0
Oxirane, [(hexade...	20.92	5.6	ng/ul	573616	5	21.20	2037310	20.0
(DEL) Alkane: Str...	21.36	2.1	ng/ul	218610	5	21.20	2037310	20.0
(DEL) Alkane: Str...	21.79	2.2	ng/ul	222365	5	21.20	2037310	20.0
(DEL) Alkane: Str...	22.25	3.0	ng/ul	310195	5	21.20	2037310	20.0
2,6,10,14,18,22-T...	22.37	20.7	ng/ul	1801700	6	23.41	1744370	20.0
(DEL) Alkane: Str...	22.75	3.6	ng/ul	314007	6	23.41	1744370	20.0
(DEL) Alkane: Str...	23.92	3.6	ng/ul	316627	6	23.41	1744370	20.0
(DEL) Alkane: Str...	24.63	2.6	ng/ul	224435	6	23.41	1744370	20.0