LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
Data File : BM018888.D
Acq On : 20 Feb 2019 17:51
Operator : JU/SJ
Sample : K1527-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SOIL-PILE

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BM021119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.293	369	375	387	rBV	4743057	6759198	16.00%	5.136%
2	6.875	637	644	665	rBV	4747807	7551941	17.88%	5.739%
3	7.234	698	705	719	rBV	4952663	7689775	18.21%	5.843%
4	7.698	777	784	792	rBV	1201352	1874548	4.44%	1.424%
5	8.016	831	838	851	rVB	3499758	5439127	12.88%	4.133%
6	8.869	974	983	997	rBV	2689398	4534028	10.74%	3.445%
7	10.486	1251	1258	1270	rBV	1522986	2631921	6.23%	2.000%
8	12.963	1671	1679	1692	rBV	6630908	9714014	23.00%	7.381%
9	14.351	1906	1915	1923	rBV2	2219329	3468062	8.21%	2.635%
10	15.845	2163	2169	2189	rBV	5475644	8067389	19.10%	6.130%
11	17.104	2376	2383	2389	rBV2	2793047	4101502	9.71%	3.117%
12	17.992	2528	2534	2545	rBV	799936	1275297	3.02%	0.969%
13	19.274	2748	2752	2763	rBV	263741	427234	1.01%	0.325%
14	19.733	2825	2830	2839	rBV	9932159	12741431	30.17%	9.682%
15	20.997	3040	3045	3057	rBV	1456978	2085655	4.94%	1.585%
16	21.292	3090	3095	3106	rBV	3087376	4054044	9.60%	3.081%
17	21.433	3115	3119	3125	rBV	381939	477017	1.13%	0.362%
18	21.862	3189	3192	3195	rBV	512864	566570	1.34%	0.431%
19	22.327	3267	3271	3277	rVB	612419	760975	1.80%	0.578%
20	22.833	3354	3357	3360	rBV	433001	572495	1.36%	0.435%
21	22.986	3363	3383	3406	rVB	7898100	42233055	100.00%	32.092%
22	23.403	3450	3454	3459	rVB	427632	629954	1.49%	0.479%
23	23.544	3472	3478	3489	rVB2	1700128	3332100	7.89%	2.532%
24	24.050	3560	3564	3572	rVB	342956	612898	1.45%	0.466%

Sum of corrected areas: 131600230

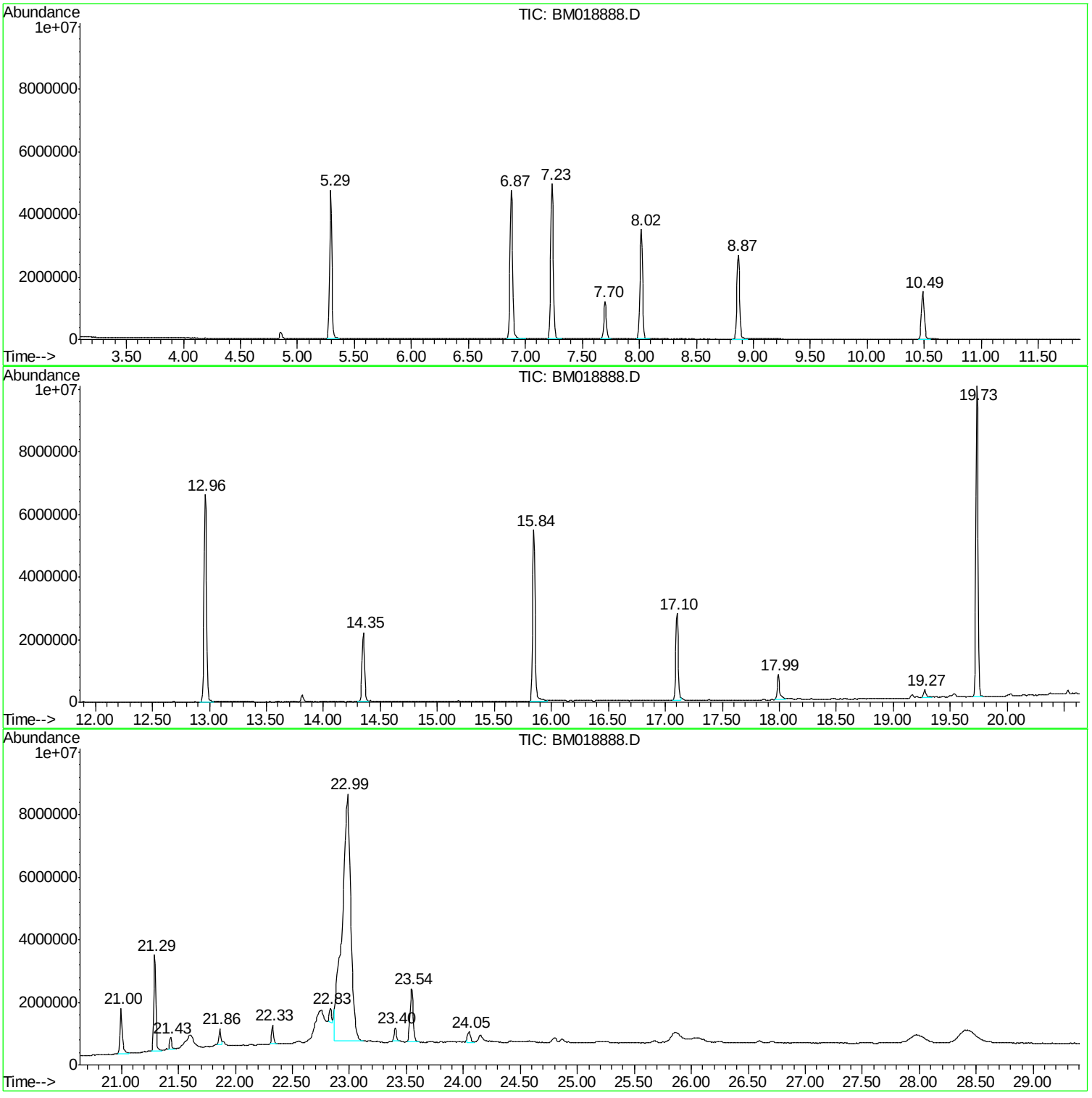
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
Data File : BM018888.D
Acq On : 20 Feb 2019 17:51
Operator : JU/SJ
Sample : K1527-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
Data File : BM018888.D
Acq On : 20 Feb 2019 17:51
Operator : JU/SJ
Sample : K1527-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

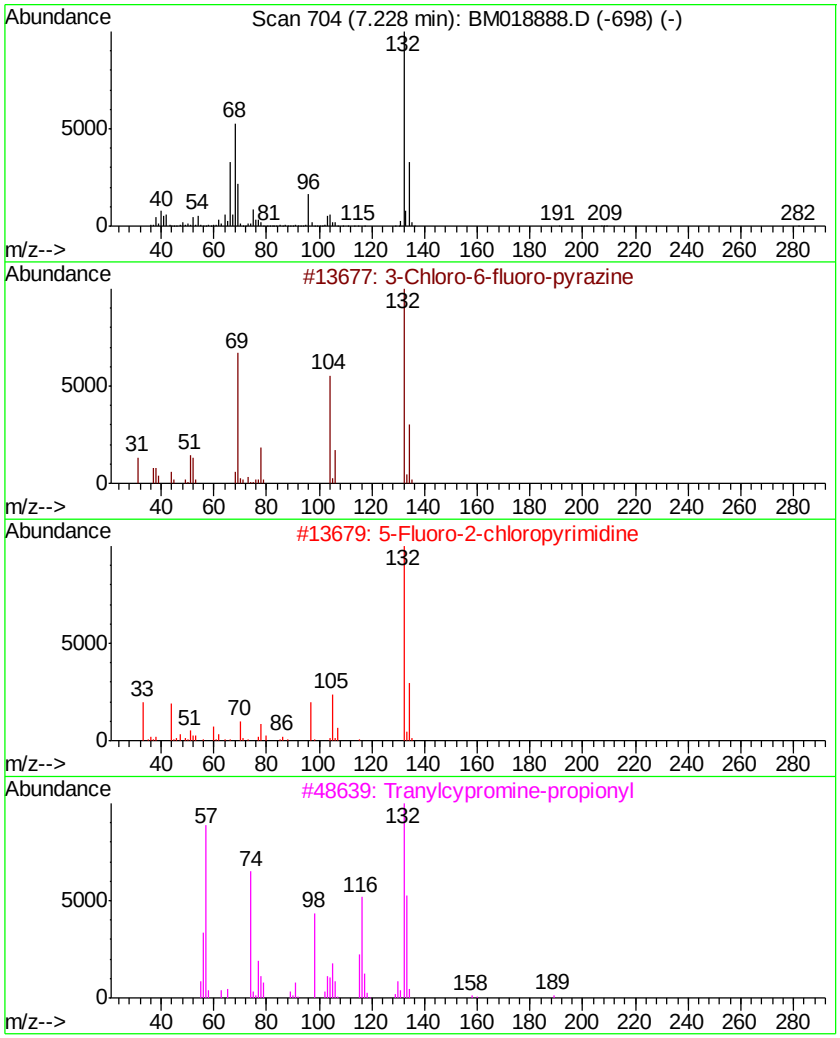
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

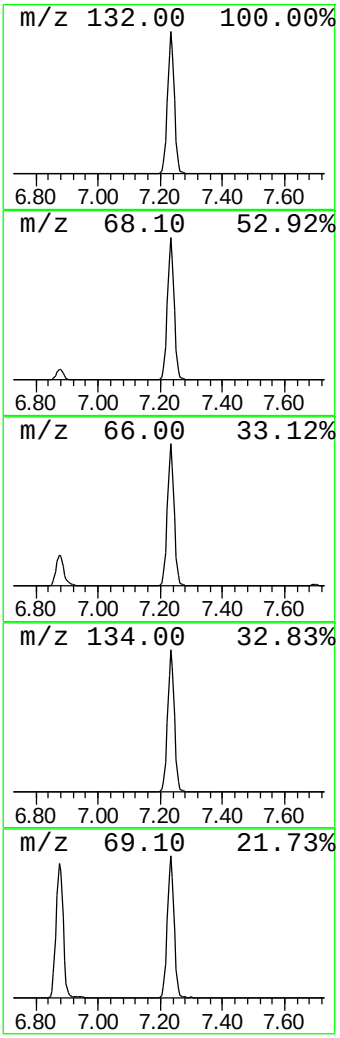
****

Peak Number 1 unknown7.23 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	82.04 ng	7689780	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
Data File : BM018888.D
Acq On : 20 Feb 2019 17:51
Operator : JU/SJ
Sample : K1527-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

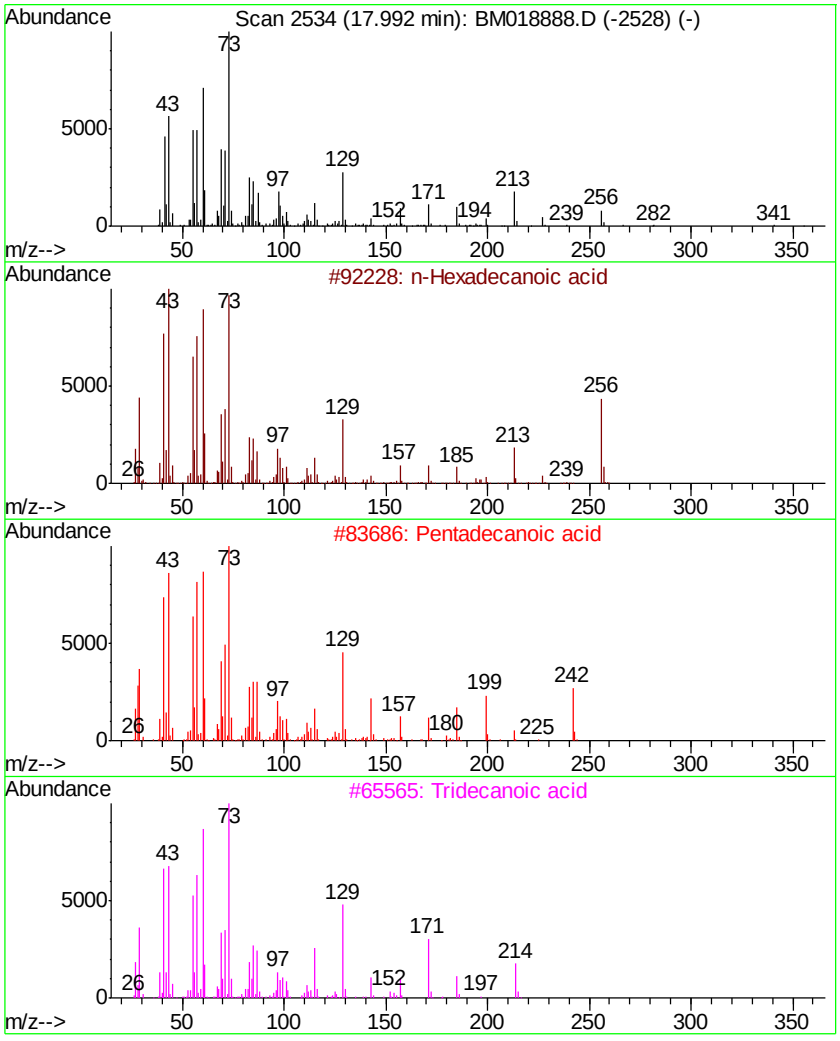
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

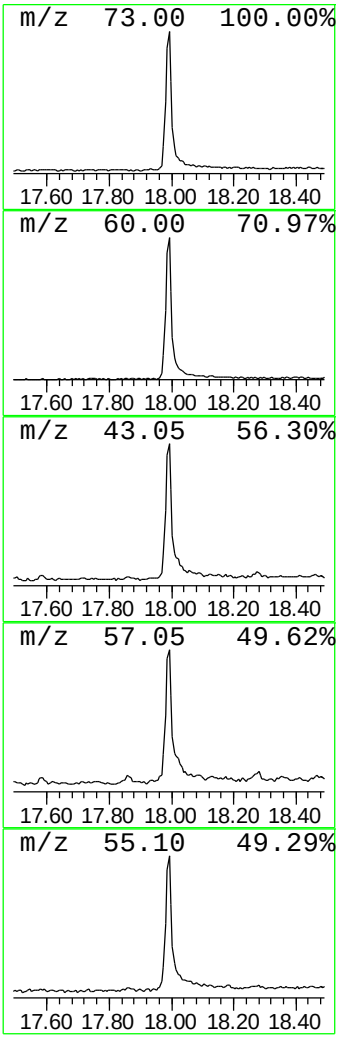
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	6.22 ng	1275300	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
3	Tridecanoic acid	214	C13H26O2	000638-53-9	60
4	n-Decanoic acid	172	C10H20O2	000334-48-5	50
5	Undecanoic acid	186	C11H22O2	000112-37-8	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
Data File : BM018888.D
Acq On : 20 Feb 2019 17:51
Operator : JU/SJ
Sample : K1527-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

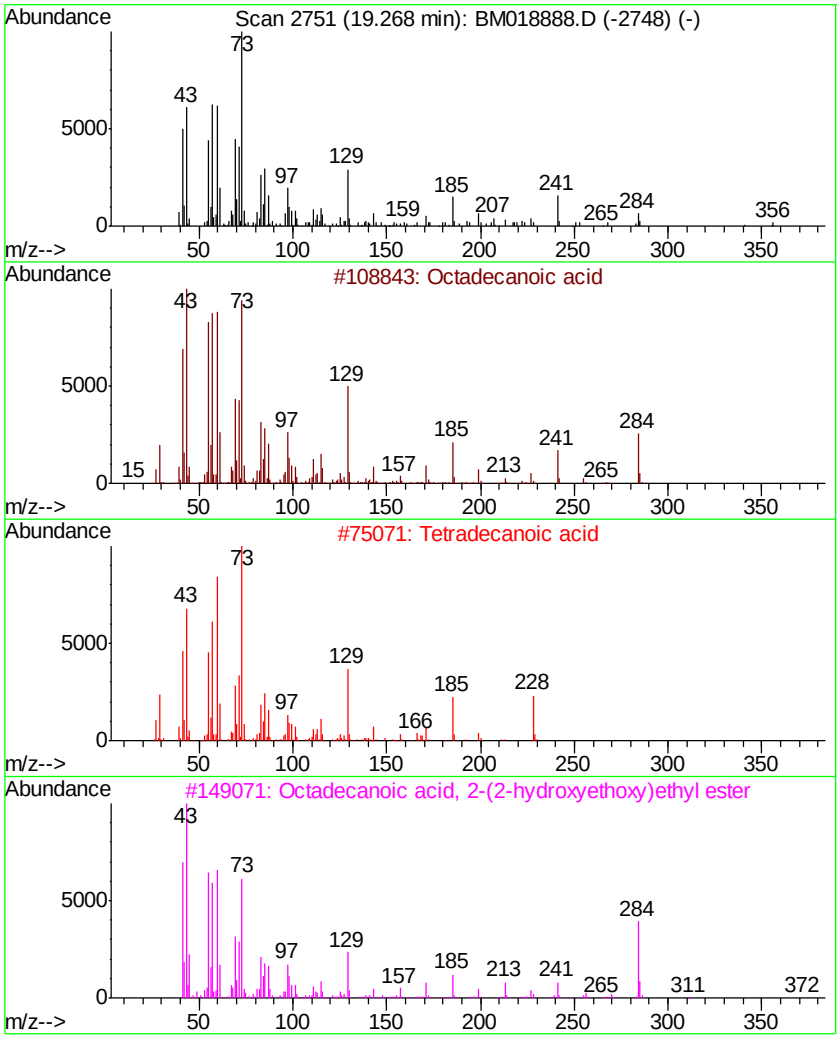
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

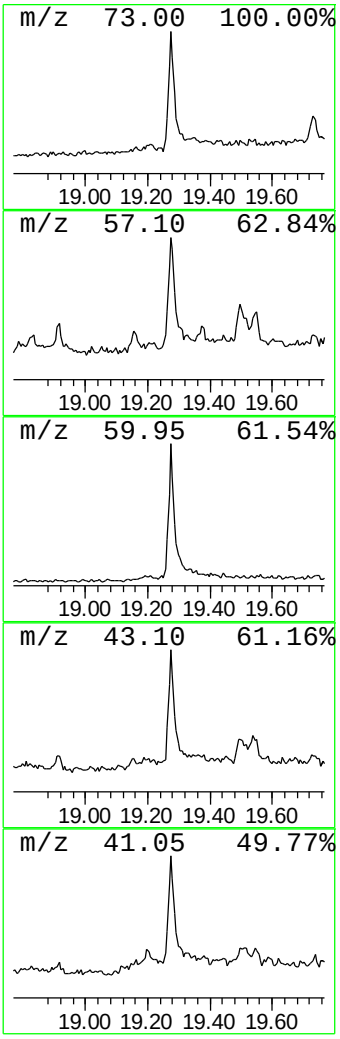
****

Peak Number 4 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	2.11 ng	427234	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
Data File : BM018888.D
Acq On : 20 Feb 2019 17:51
Operator : JU/SJ
Sample : K1527-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

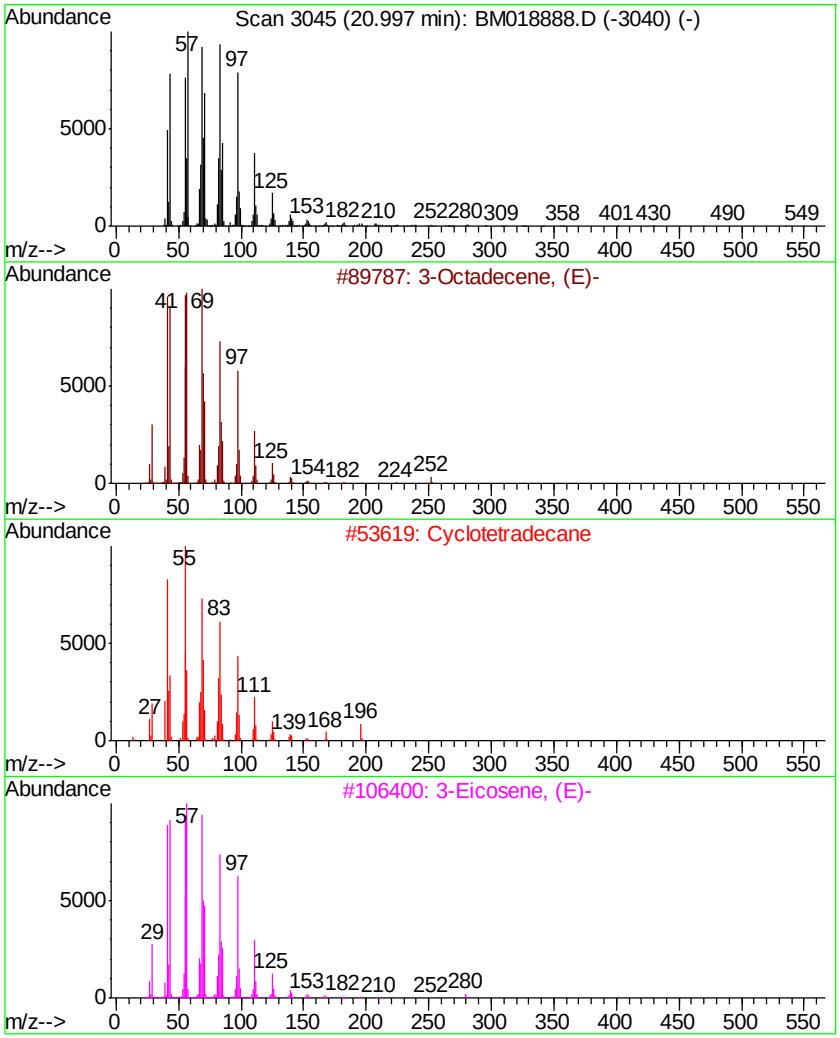
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

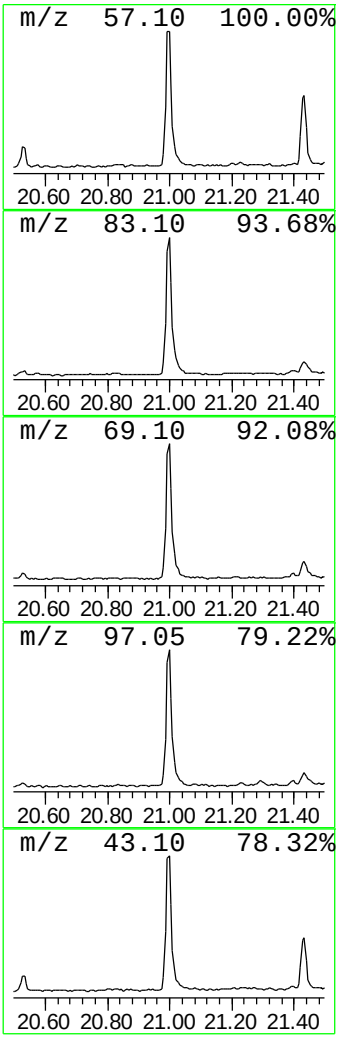
****

Peak Number 5 3-Octadecene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	10.29 ng	2085660	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octadecene, (E)-	252	C18H36	007206-19-1	95
2	Cyclotetradecane	196	C14H28	000295-17-0	94
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
Data File : BM018888.D
Acq On : 20 Feb 2019 17:51
Operator : JU/SJ
Sample : K1527-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

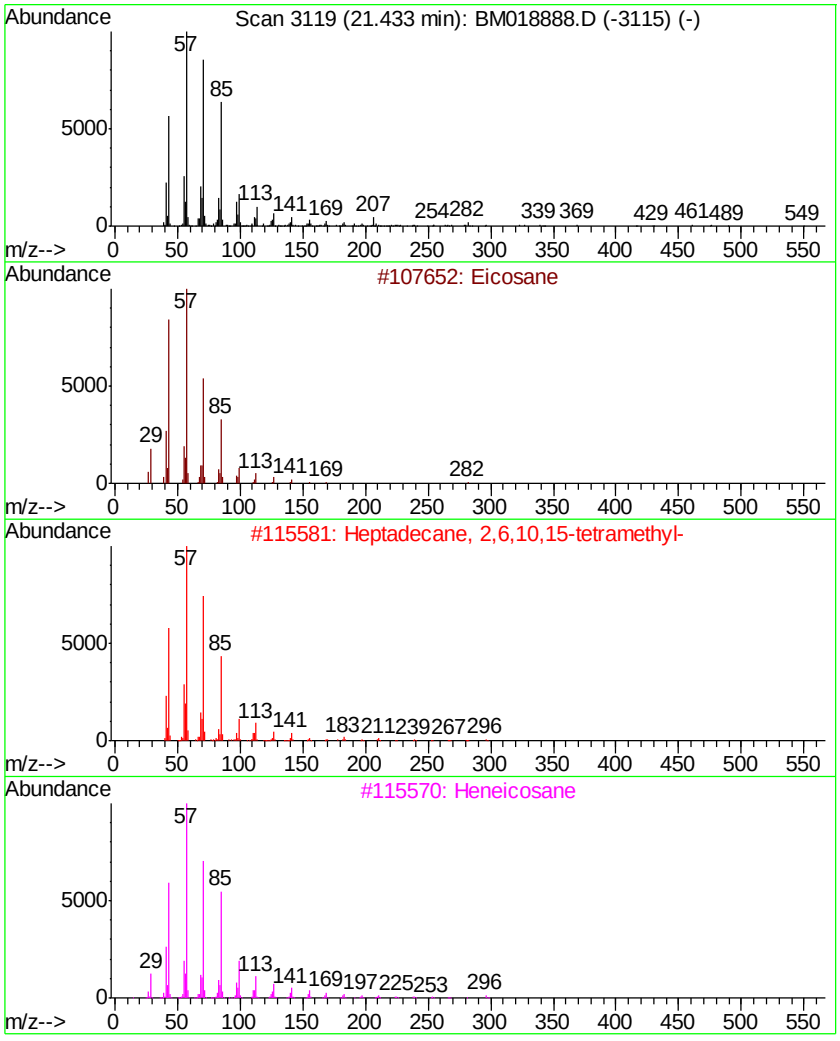
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

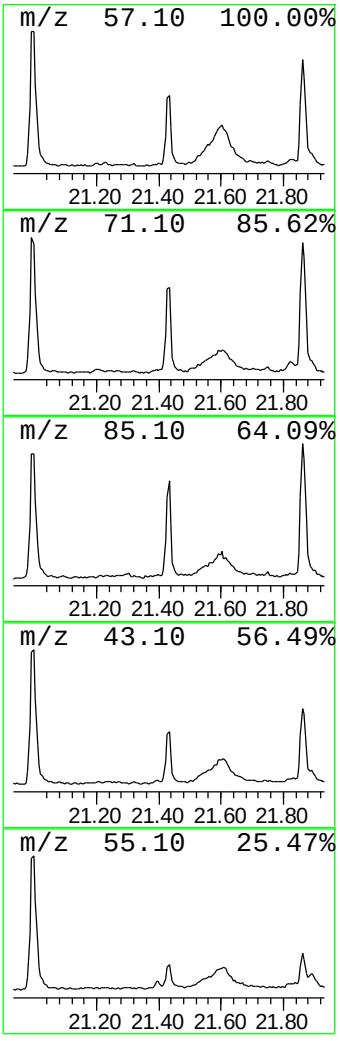
****

Peak Number 6 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	2.35 ng	477017	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
3	Heneicosane	296	C21H44	000629-94-7	90
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
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Operator : JU/SJ
Sample : K1527-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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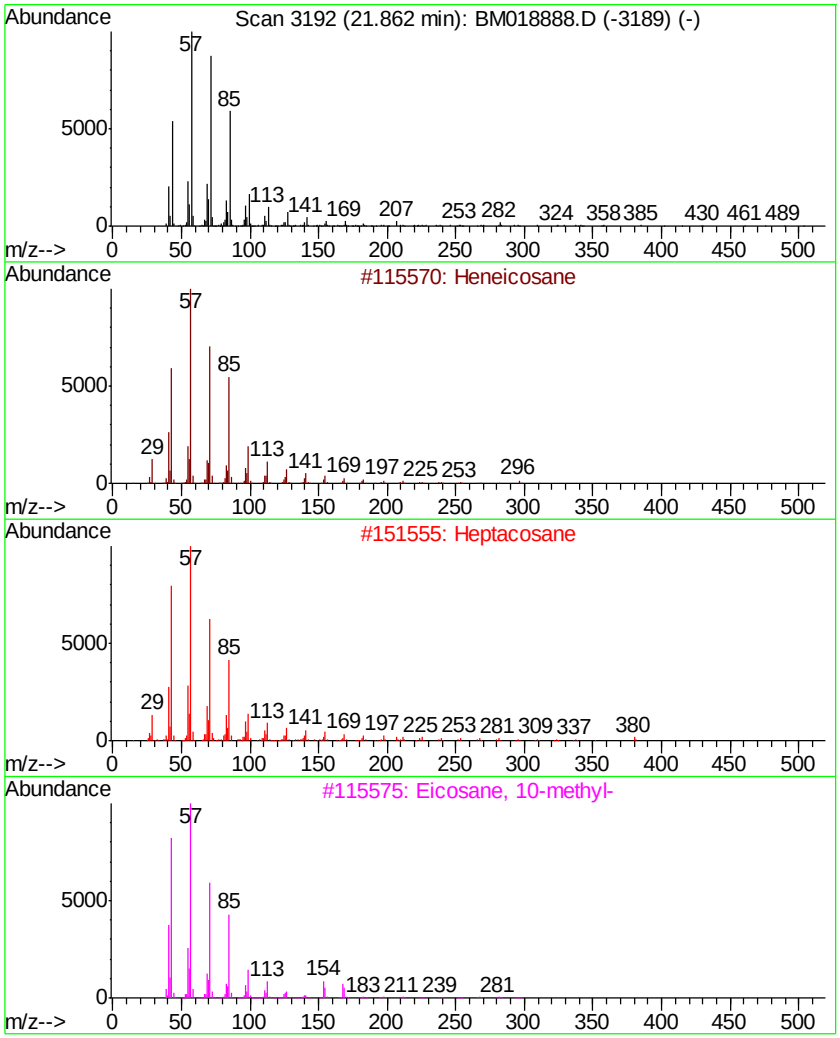
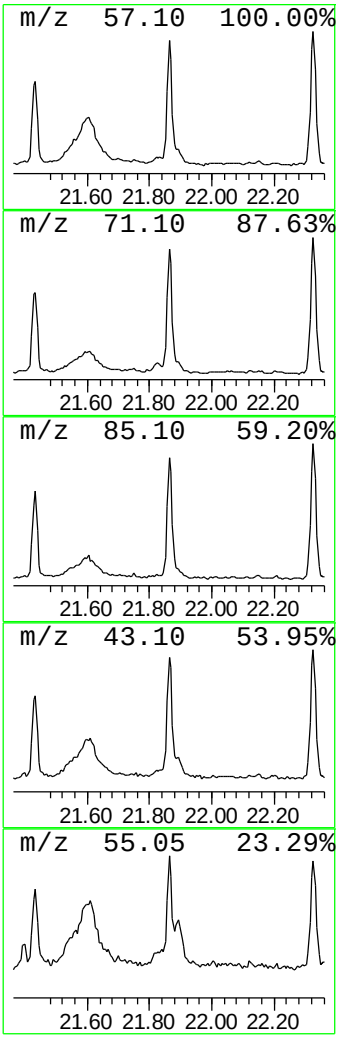
Peak Number 7 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.86	2.80 ng	566570	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heptacosane	380	C27H56	000593-49-7	91
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	91
4	Hexadecane	226	C16H34	000544-76-3	90
5	Docosane, 9-butyl-	366	C26H54	055282-14-9	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
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Operator : JU/SJ
Sample : K1527-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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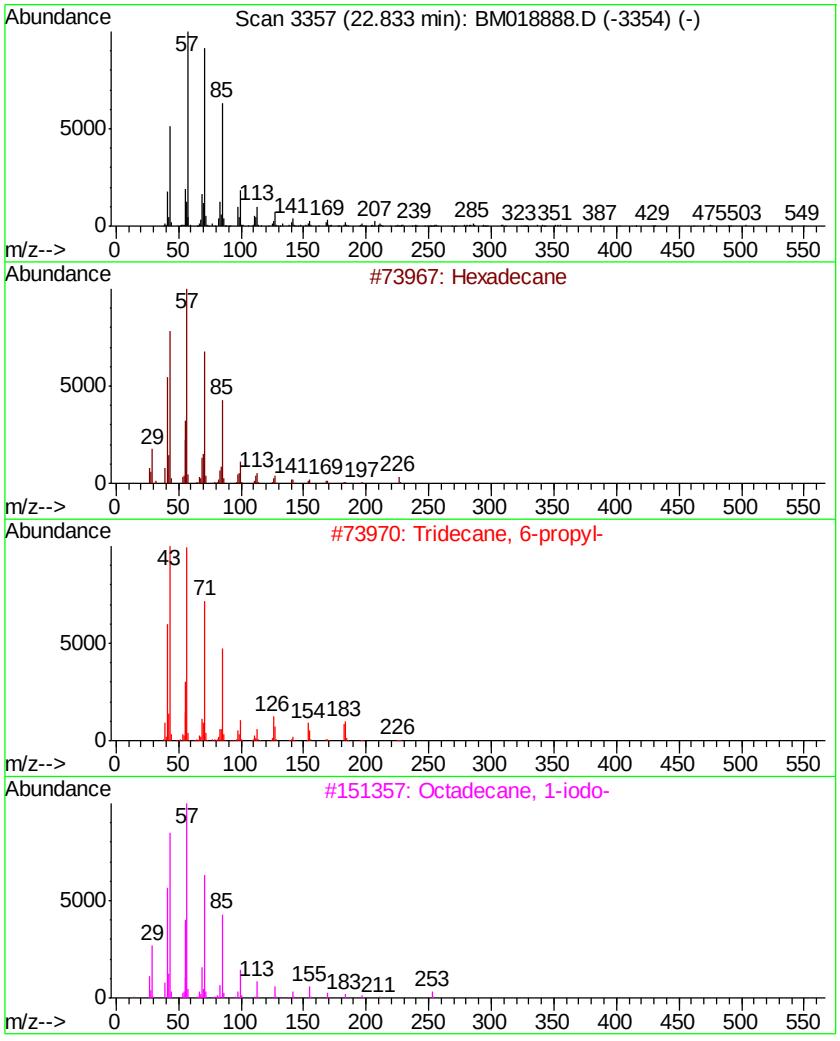
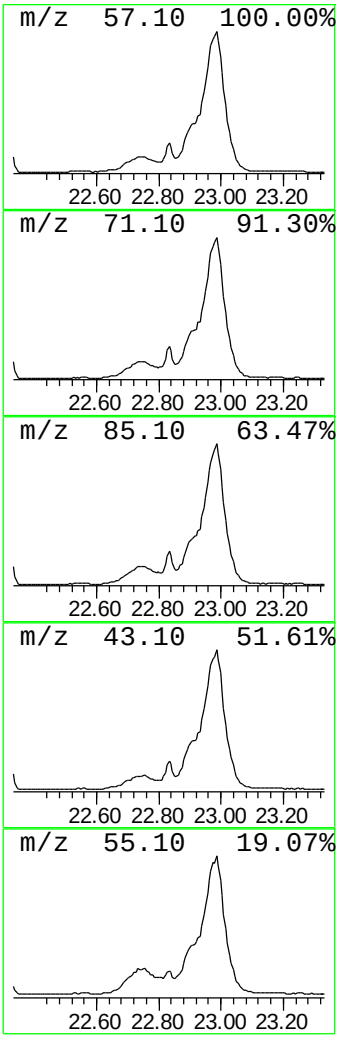
Peak Number 9 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.83	3.44 ng	572495	Perylene-d12	23.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	90
3	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	83





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Sample : K1527-01
Misc :
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Instrument : BNA_M
ClientSampleId : SOIL-PILE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

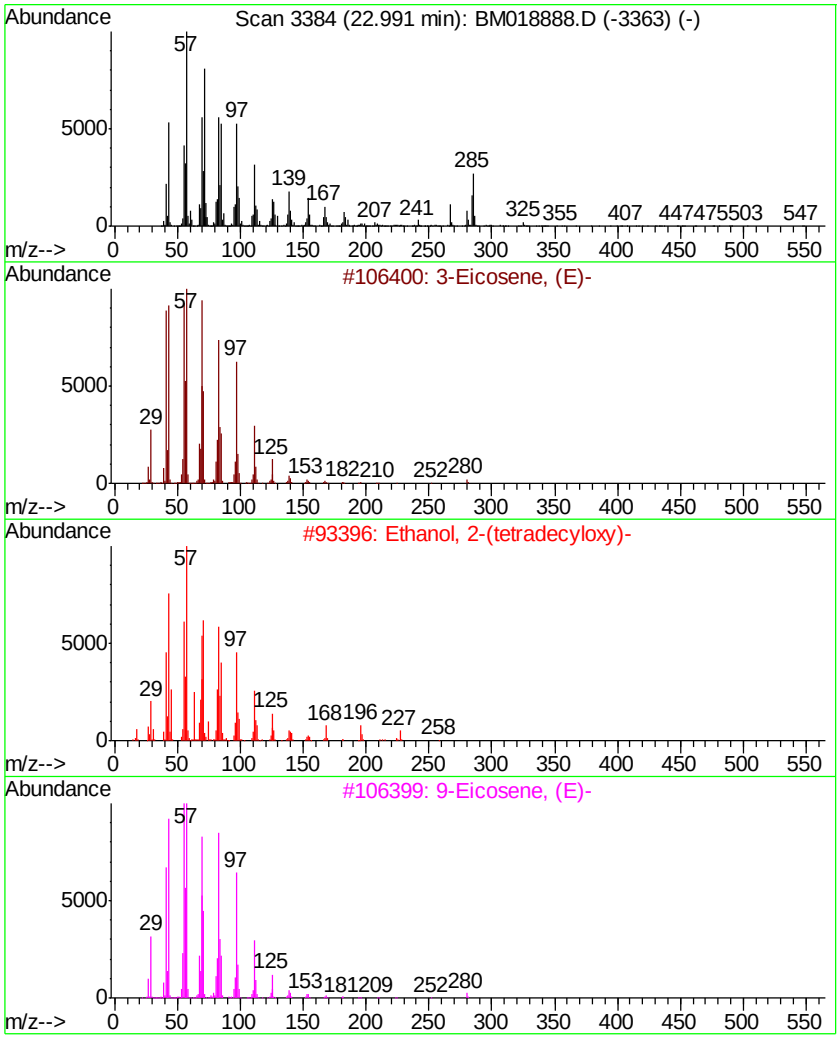
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

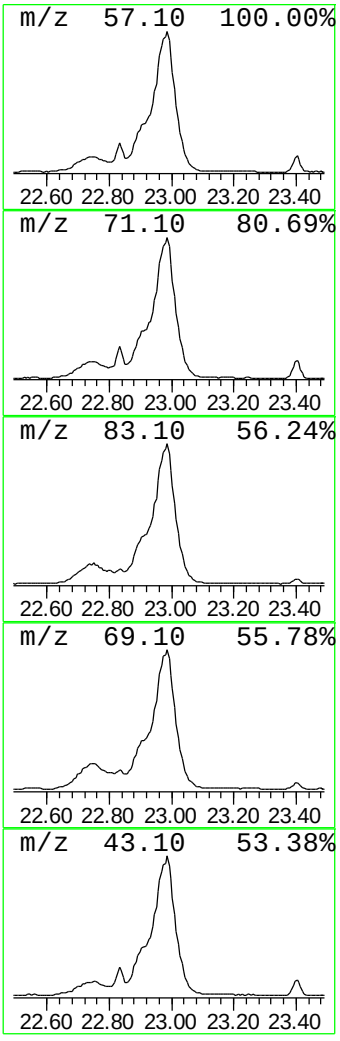
****

Peak Number 10 3-Eicosene, (E)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	253.49 ng	42233100	Perylene-d12	23.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	90
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	80
3	9-Eicosene, (E)-	280	C20H40	074685-29-3	70
4	1-Eicosene	280	C20H40	003452-07-1	55
5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	52





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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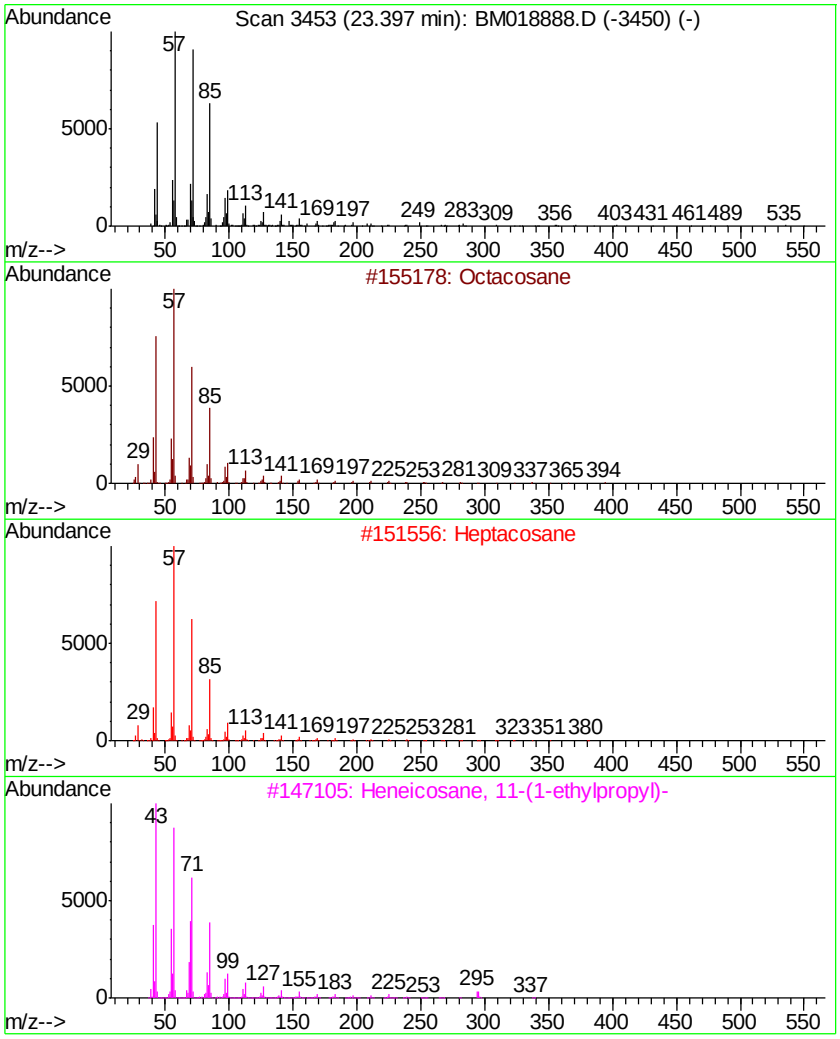
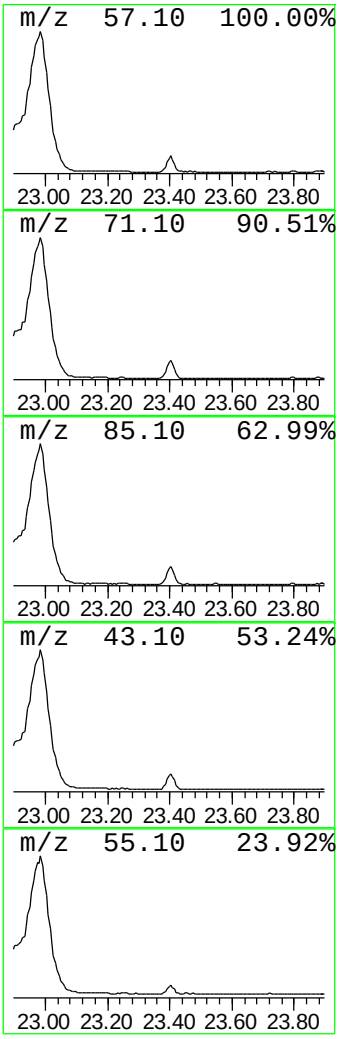
Peak Number 11 Octacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.40	3.78 ng	629954	Perylene-d12	23.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Heptacosane	380	C27H56	000593-49-7	91
3	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Heneicosane	296	C21H44	000629-94-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022019\
Data File : BM018888.D
Acq On : 20 Feb 2019 17:51
Operator : JU/SJ
Sample : K1527-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
unknown7.23	7.23	82.0	ng	7689780	1	7.70	1874550	20.0
n-Hexadecanoic acid	17.99	6.2	ng	1275300	4	17.10	4101500	20.0
Octadecanoic acid	19.27	2.1	ng	427234	5	21.29	4054040	20.0
3-Octadecene, (E)-	21.00	10.3	ng	2085660	5	21.29	4054040	20.0
Eicosane	21.43	2.4	ng	477017	5	21.29	4054040	20.0
Heneicosane	21.86	2.8	ng	566570	5	21.29	4054040	20.0
Hexadecane	22.83	3.4	ng	572495	6	23.55	3332100	20.0
3-Eicosene, (E)-	22.99	253.5	ng	42233100	6	23.55	3332100	20.0
Octacosane	23.40	3.8	ng	629954	6	23.55	3332100	20.0