LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
Data File : BM018938.D
Acq On : 26 Feb 2019 20:24
Operator : JU/SJ
Sample : K1610-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WV-E

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	5.287	368	374	393	rBV	6418559	9143869	91.77%	9.837%
2	6.875	636	644	664	rBV	5795282	9360323	93.95%	10.069%
3	7.228	693	704	720	rBV	6513057	9963480	100.00%	10.718%
4	7.693	776	783	791	rBV	1249279	1930669	19.38%	2.077%
5	8.010	829	837	851	rBV	3933527	6185022	62.08%	6.654%
6	8.863	974	982	998	rBV	3385710	5612422	56.33%	6.038%
7	10.481	1249	1257	1263	rBV	1432910	2367627	23.76%	2.547%
8	12.957	1671	1678	1693	rBV	4369604	6422445	64.46%	6.909%
9	13.804	1816	1822	1829	rBV	308043	469690	4.71%	0.505%
10	14.345	1907	1914	1920	rBV2	1728385	2667567	26.77%	2.870%
11	14.404	1920	1924	1932	rVB	139316	221566	2.22%	0.238%
12	14.751	1975	1983	1991	rBV2	53428	112095	1.13%	0.121%
13	15.839	2162	2168	2185	rBV	4932361	7086479	71.12%	7.623%
14	16.492	2275	2279	2287	rVB	129269	164794	1.65%	0.177%
15	17.098	2376	2382	2386	rBV2	1881197	2705211	27.15%	2.910%
16	17.139	2386	2389	2398	rVB	215012	302803	3.04%	0.326%
17	17.257	2406	2409	2421	rVB	92203	156839	1.57%	0.169%
18	17.857	2506	2511	2519	rBV	319213	511688	5.14%	0.550%
19	17.986	2527	2533	2551	rBV	2024895	2958776	29.70%	3.183%
20	19.157	2723	2732	2738	rBV2	374074	750883	7.54%	0.808%
21	19.268	2747	2751	2762	rBV	463070	706499	7.09%	0.760%
22	19.527	2791	2795	2803	rVB	202569	313420	3.15%	0.337%
23	19.727	2824	2829	2837	rBV	6309447	7934321	79.63%	8.535%
24	20.992	3040	3044	3053	rBV	925454	1196069	12.00%	1.287%
25	21.198	3075	3079	3083	rBV	423919	469530	4.71%	0.505%
26	21.292	3089	3095	3099	rBV	2737100	3537512	35.50%	3.806%
27	21.427	3115	3118	3124	rBV2	203562	226476	2.27%	0.244%
28	21.856	3189	3191	3195	rBV	217431	231148	2.32%	0.249%
29	22.321	3267	3270	3277	rVB	423330	529742	5.32%	0.570%
30	22.450	3287	3292	3297	rVB	2705144	3574702	35.88%	3.846%
31	22.827	3352	3356	3360	rBV	415087	578825	5.81%	0.623%
32	23.392	3449	3452	3457	rVB	339612	491414	4.93%	0.529%
33	23.539	3471	3477	3486	rVB2	1897327	3532431	35.45%	3.800%
34	24.039	3559	3562	3569	rVB	311660	541013	5.43%	0.582%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
Data File : BM018938.D
Acq On : 26 Feb 2019 20:24
Operator : JU/SJ
Sample : K1610-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WV-E

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

Sum of corrected areas: 92957350

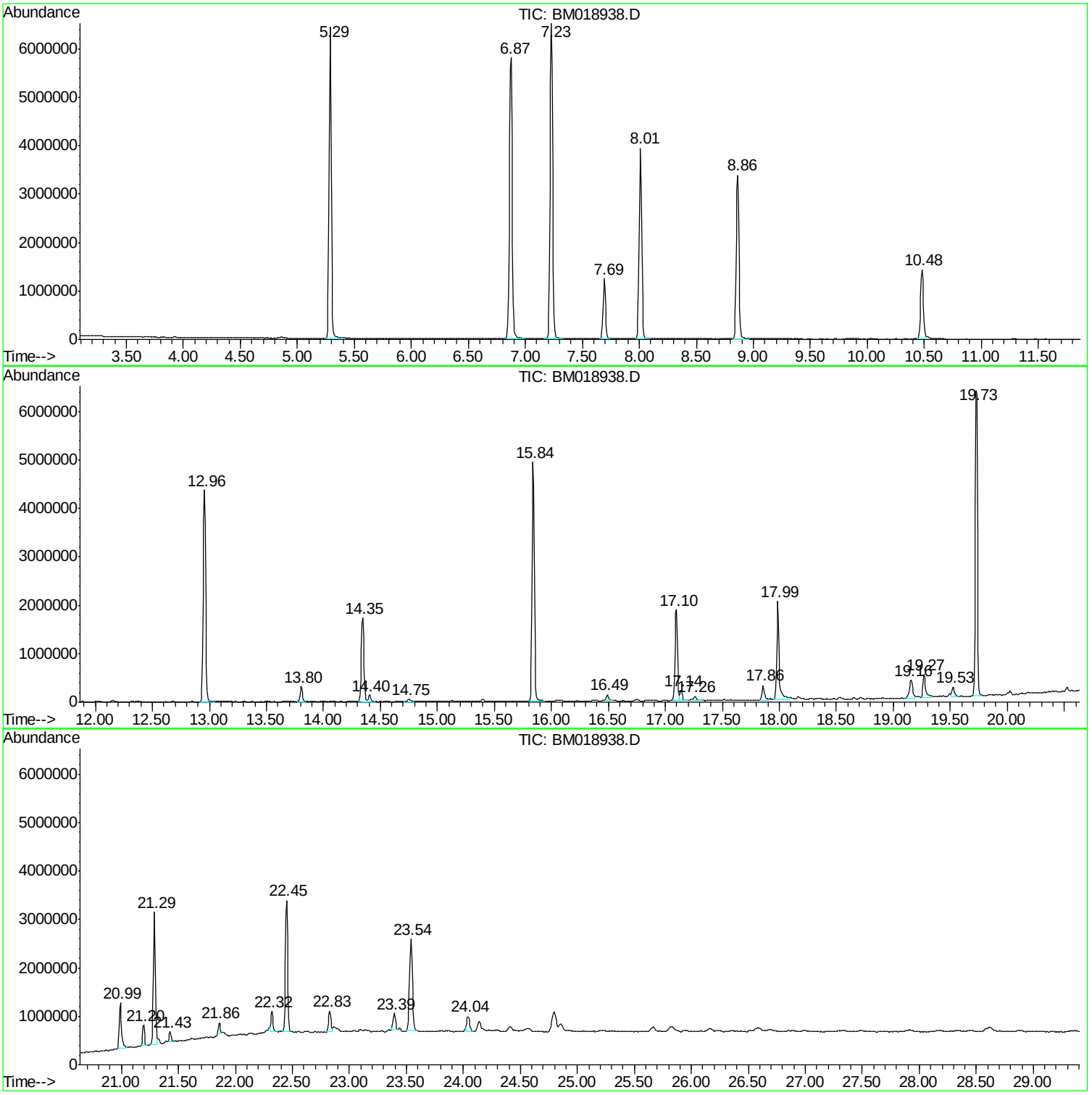
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
Data File : BM018938.D
Acq On : 26 Feb 2019 20:24
Operator : JU/SJ
Sample : K1610-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WV-E

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\BM022619\
Data File : BM018938.D
Acq On : 26 Feb 2019 20:24
Operator : JU/SJ
Sample : K1610-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WV-E

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

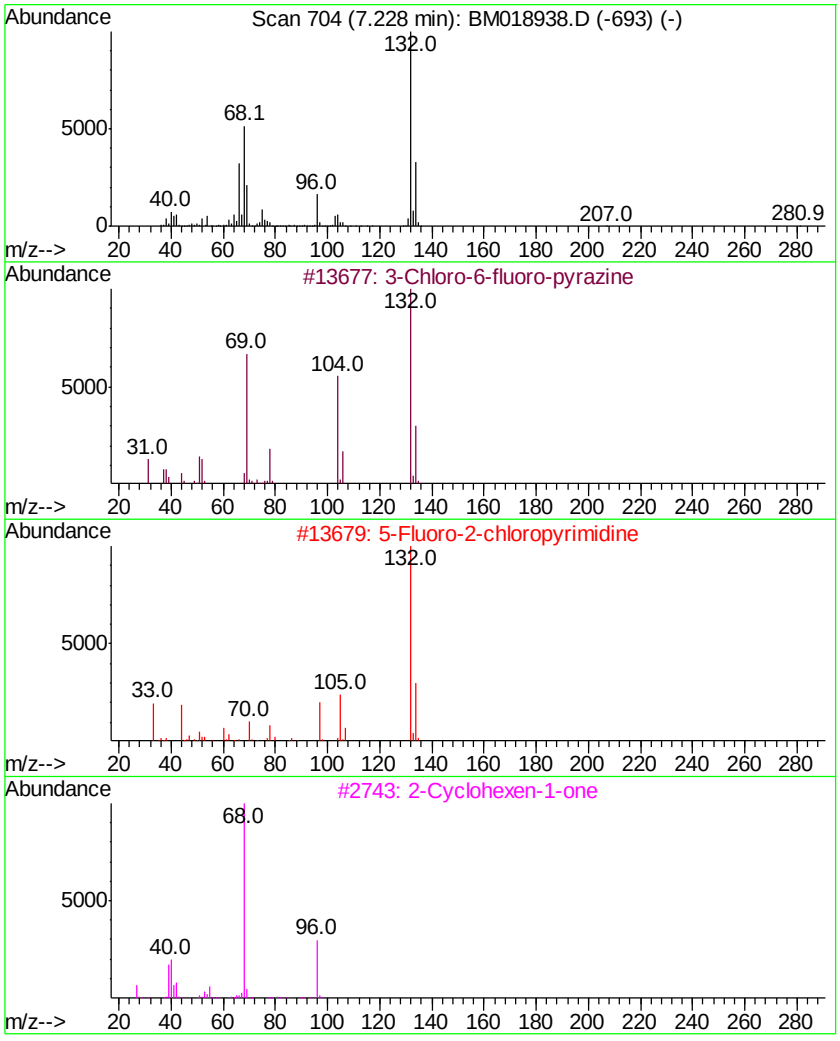
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

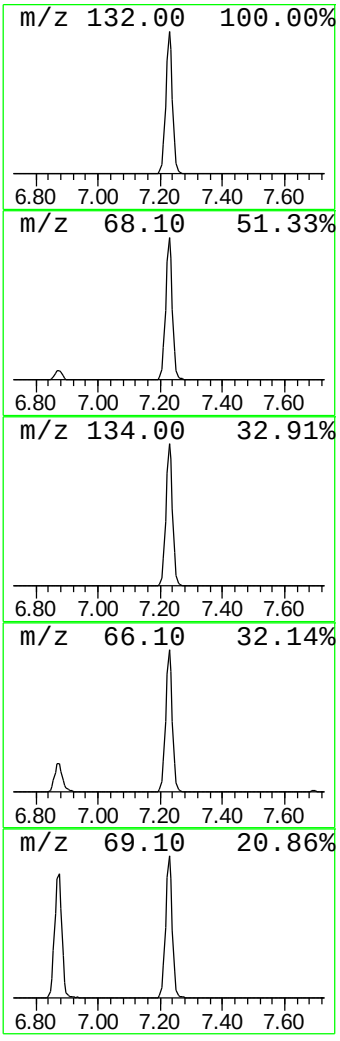
****

Peak Number 1 unknown7.23 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	103.21 ng	9963480	1,4-Dichlorobenzene-d4	7.69

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	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	11
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
Data File : BM018938.D
Acq On : 26 Feb 2019 20:24
Operator : JU/SJ
Sample : K1610-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WV-E

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

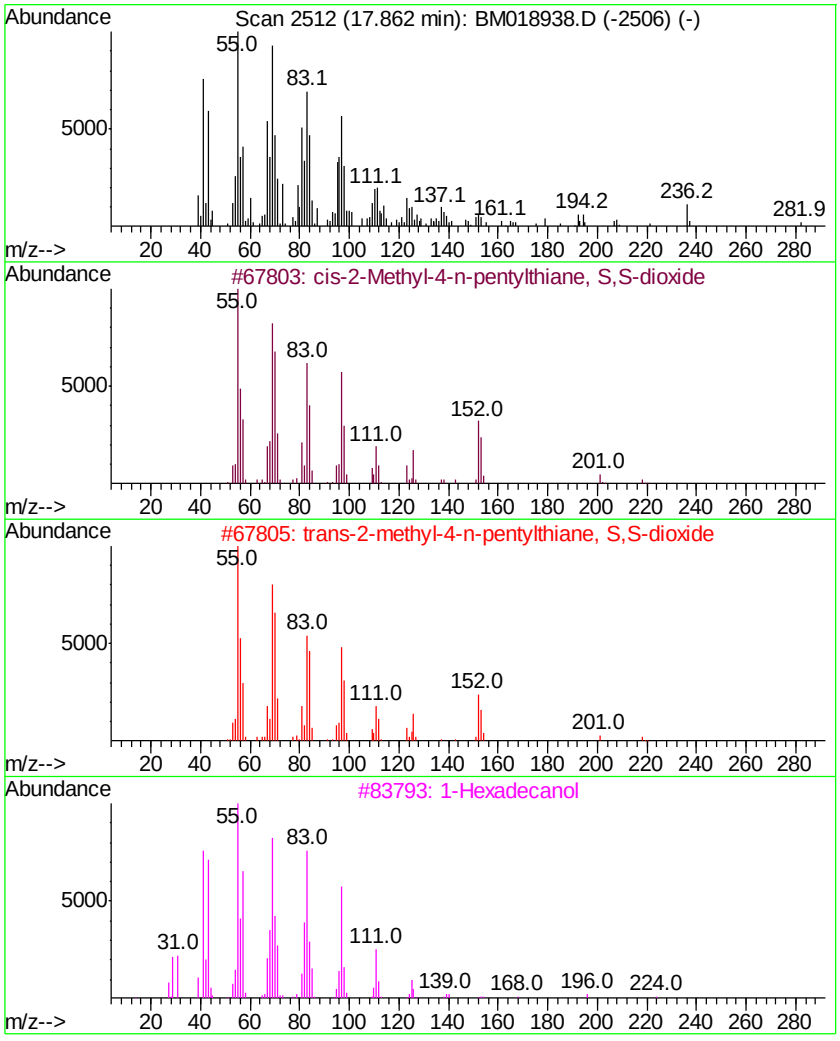
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

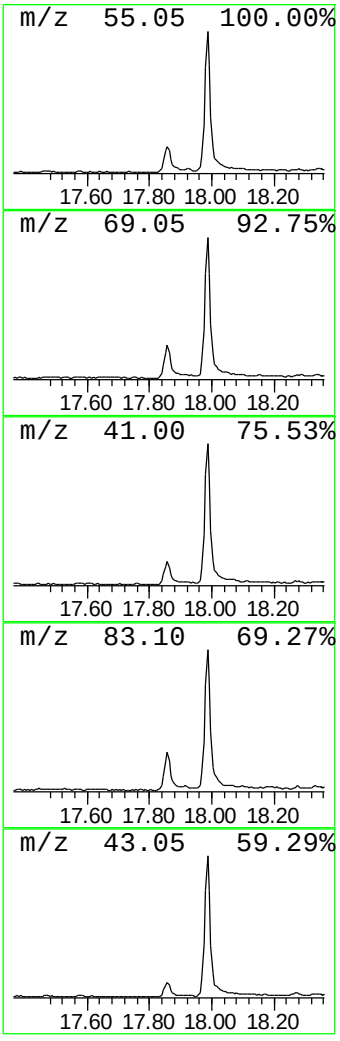
****

Peak Number 3 cis-2-Methyl-4-n-pentylthia... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	3.78 ng	511688	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2-Methyl-4-n-pentylthiane, S...	218	C11H22O2S	1000215-67-9	90
2	trans-2-methyl-4-n-pentylthiane,...	218	C11H22O2S	1000215-75-3	86
3	1-Hexadecanol	242	C16H34O	036653-82-4	76
4	15-Tetracosenoic acid, methyl es...	380	C25H48O2	002733-88-2	70
5	1,9-Tetradecadiene	194	C14H26	112929-06-3	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
Data File : BM018938.D
Acq On : 26 Feb 2019 20:24
Operator : JU/SJ
Sample : K1610-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WV-E

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

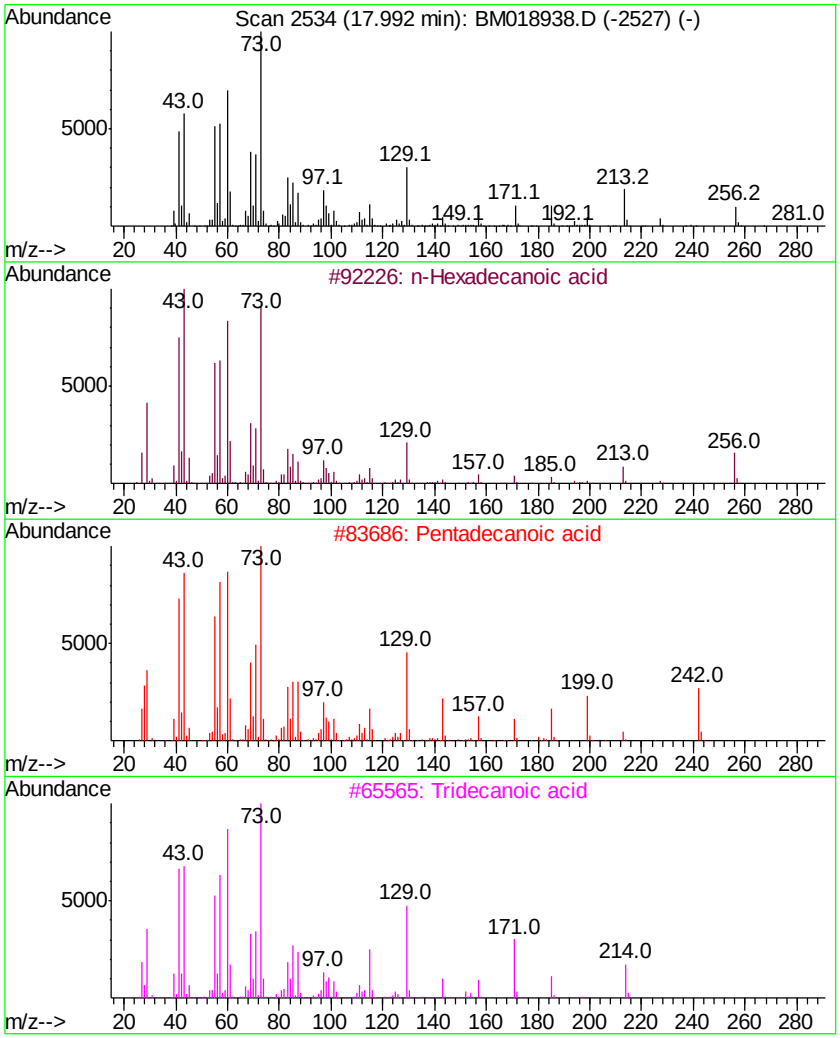
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

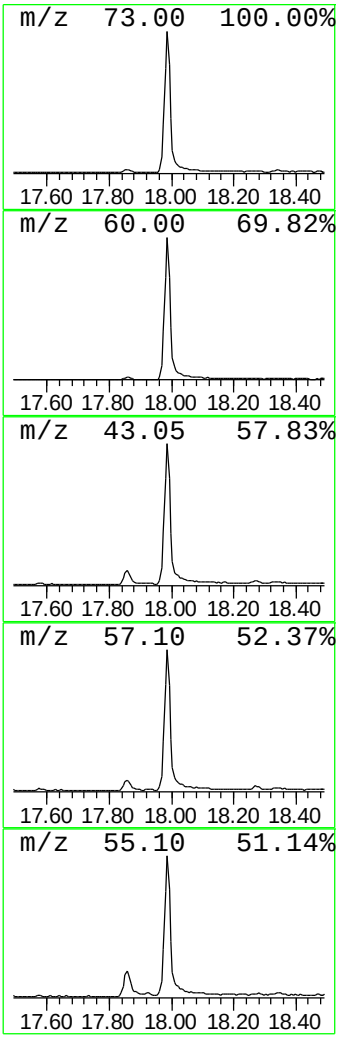
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	21.87 ng	2958780	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
3	Tridecanoic acid	214	C13H26O2	000638-53-9	35
4	Hexadecane	226	C16H34	000544-76-3	11
5	Dodecane	170	C12H26	000112-40-3	11





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
Data File : BM018938.D
Acq On : 26 Feb 2019 20:24
Operator : JU/SJ
Sample : K1610-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WV-E

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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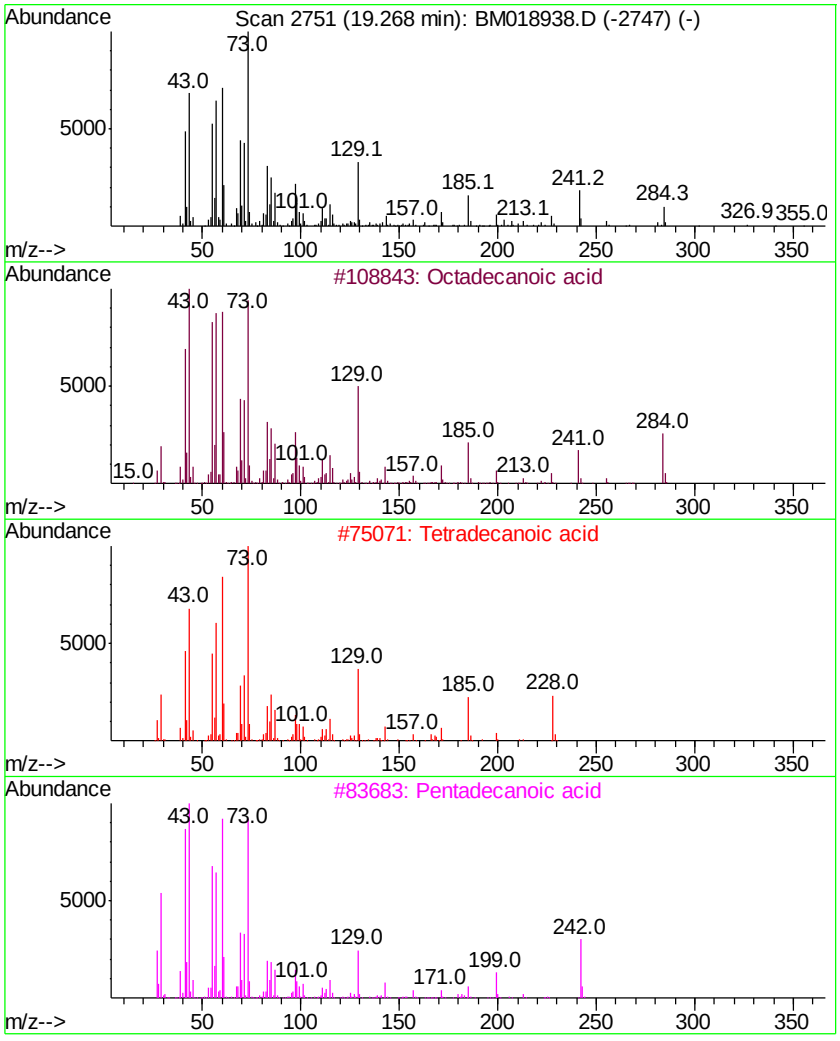
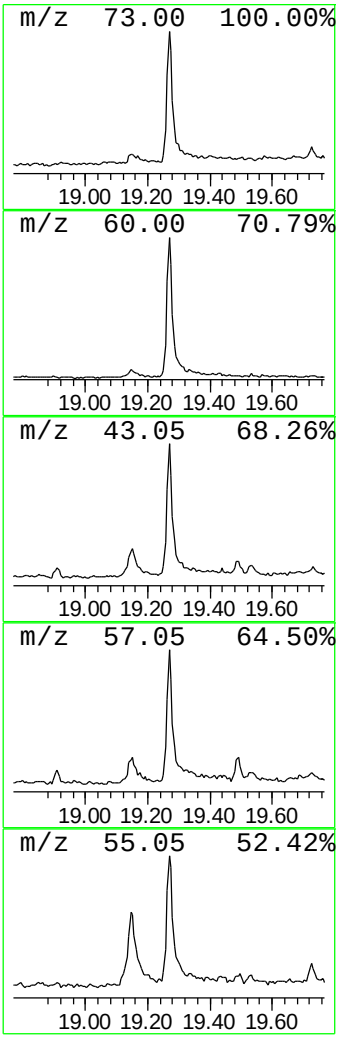
Peak Number 5 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	3.99 ng	706499	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	83
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
Data File : BM018938.D
Acq On : 26 Feb 2019 20:24
Operator : JU/SJ
Sample : K1610-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WV-E

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

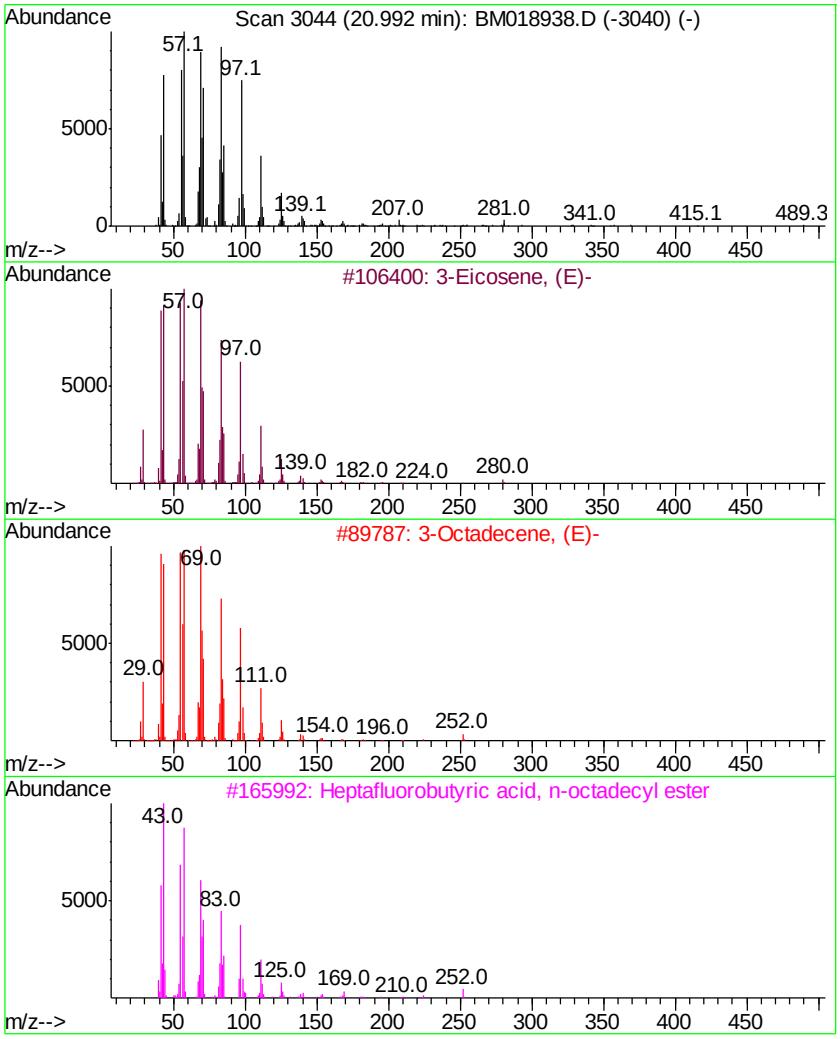
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

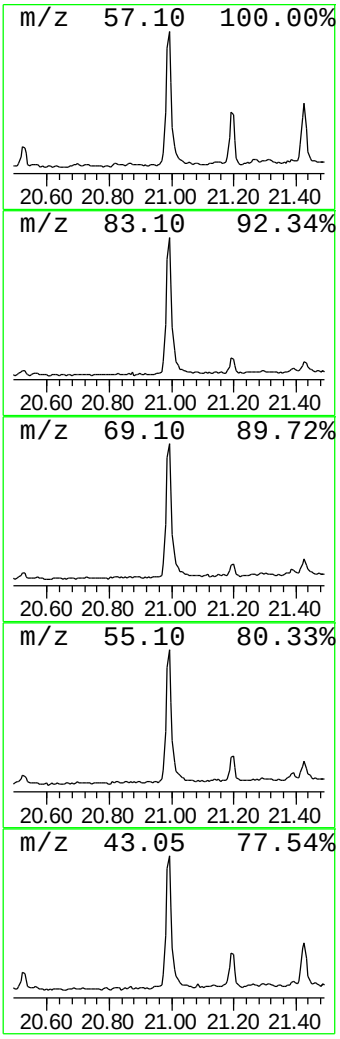
****

Peak Number 6 3-Eicosene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	6.76 ng	1196070	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	99
2	3-Octadecene, (E)-	252	C18H36	007206-19-1	95
3	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
4	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
5	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91





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Misc :
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Instrument : BNA_M
ClientSampleId : WV-E

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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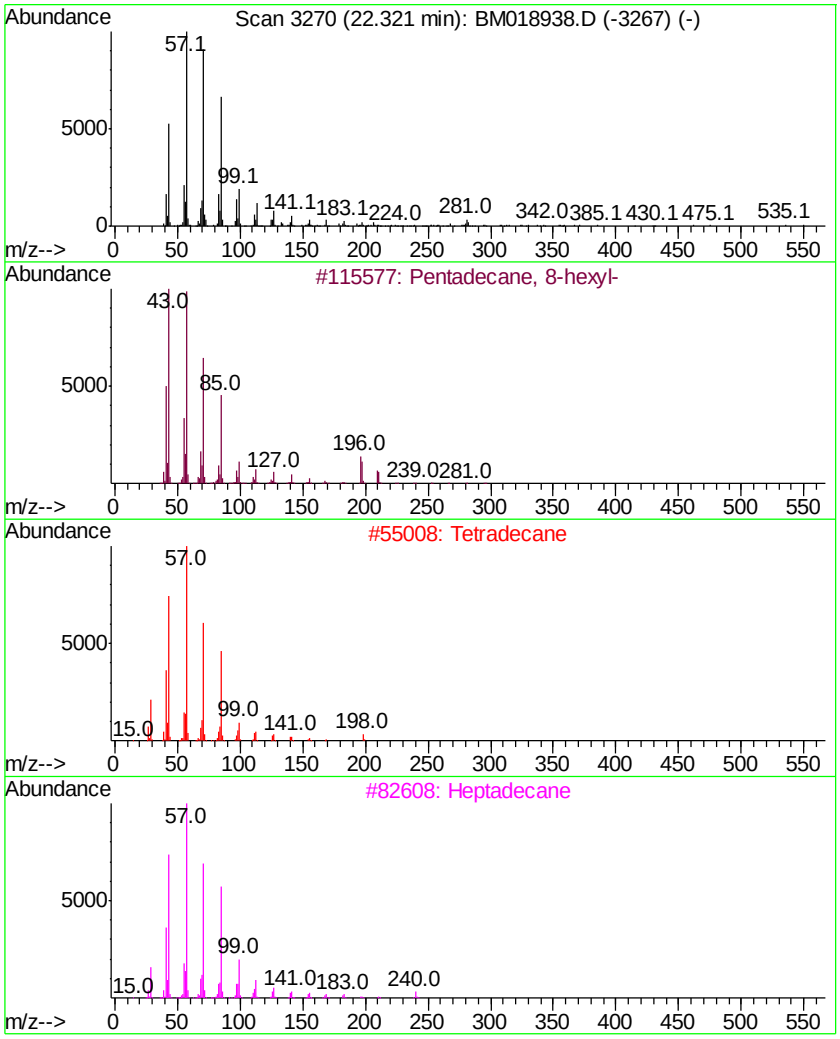
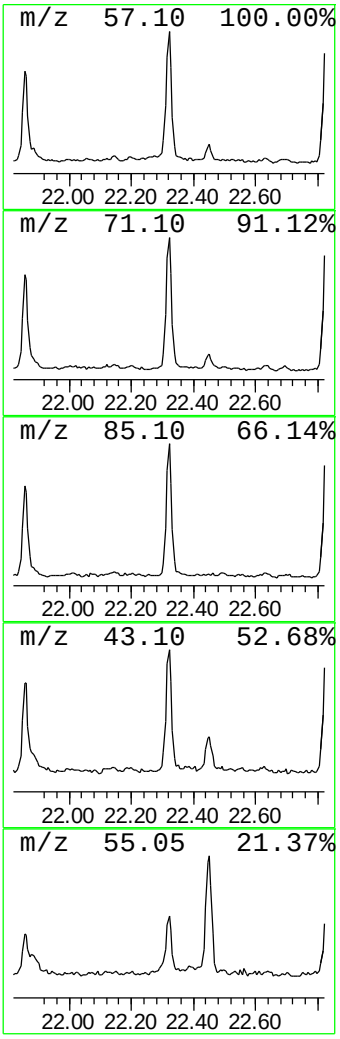
Peak Number 7 Pentadecane, 8-hexyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.32	3.00 ng	529742	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90
2	Tetradecane	198	C14H30	000629-59-4	87
3	Heptadecane	240	C17H36	000629-78-7	87
4	Octadecane	254	C18H38	000593-45-3	83
5	Heptacosane	380	C27H56	000593-49-7	81





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : WV-E

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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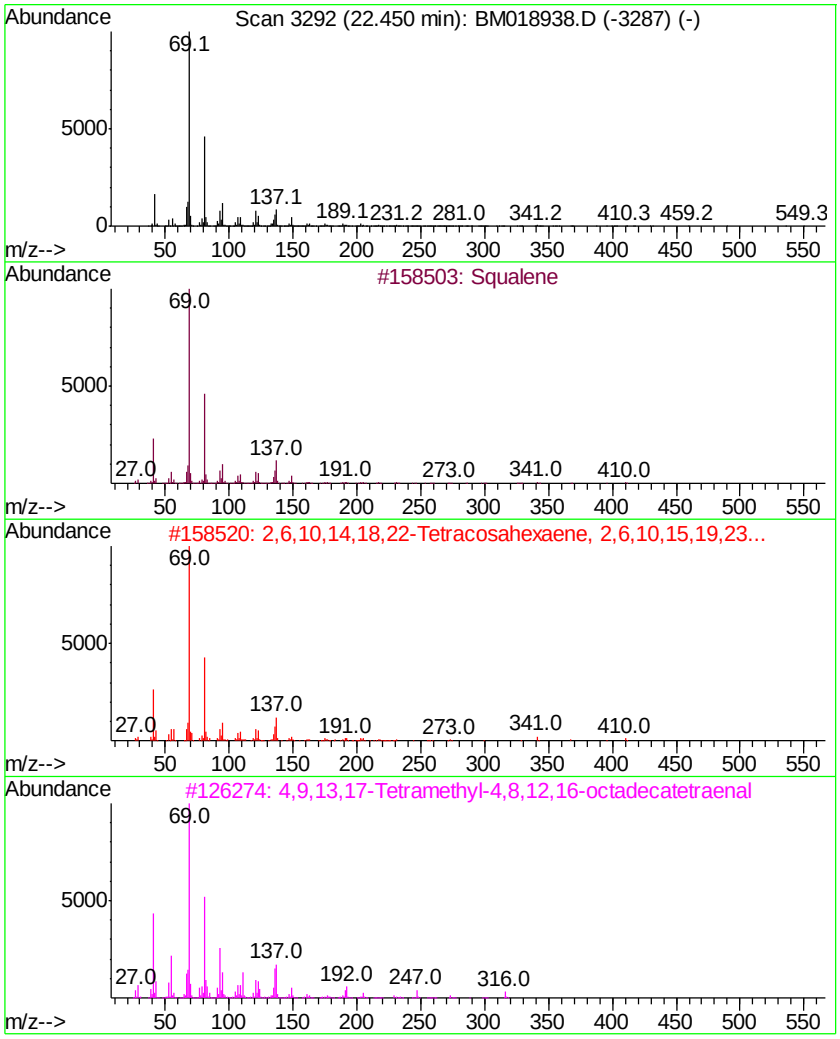
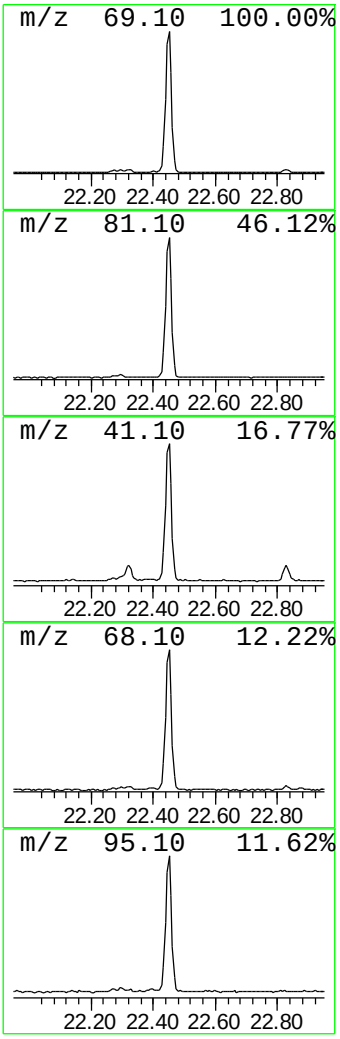
Peak Number 8 Squalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.45	20.24 ng	3574700	Perylene-d12	23.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	91
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	90
3	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	74
4	Propanoic acid, 2,2-dimethyl-, [...	306	C20H34O2	1000164-38-8	72
5	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	72





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Misc :
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Instrument : BNA_M
ClientSampleId : WV-E

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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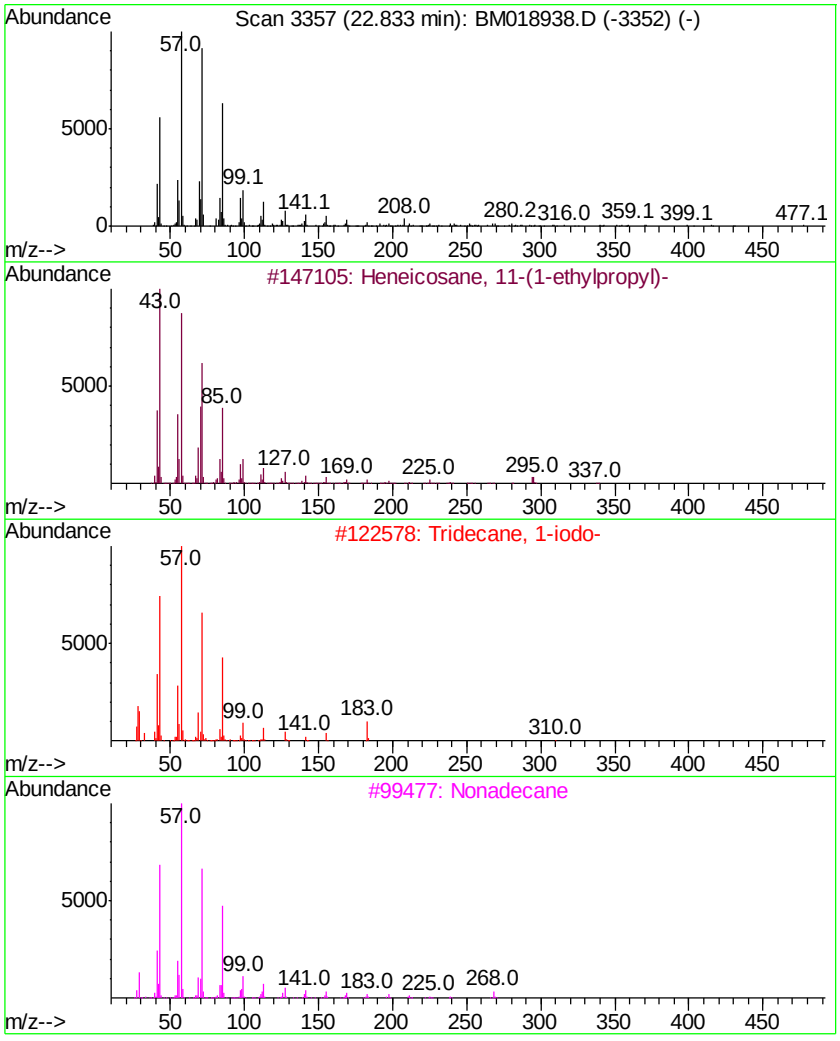
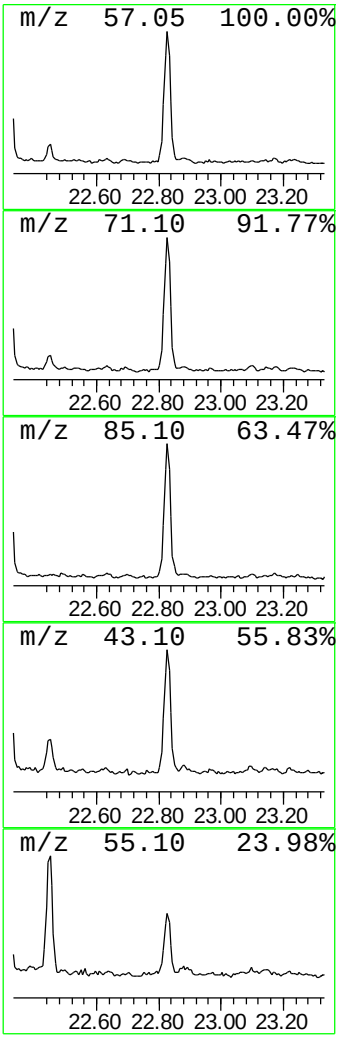
Peak Number 9 Heneicosane, 11-(1-ethylpro... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.83	3.28 ng	578825	Perylene-d12	23.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	87
3	Nonadecane	268	C19H40	000629-92-5	86
4	Heptadecane	240	C17H36	000629-78-7	86
5	Octadecane	254	C18H38	000593-45-3	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
Data File : BM018938.D
Acq On : 26 Feb 2019 20:24
Operator : JU/SJ
Sample : K1610-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WV-E

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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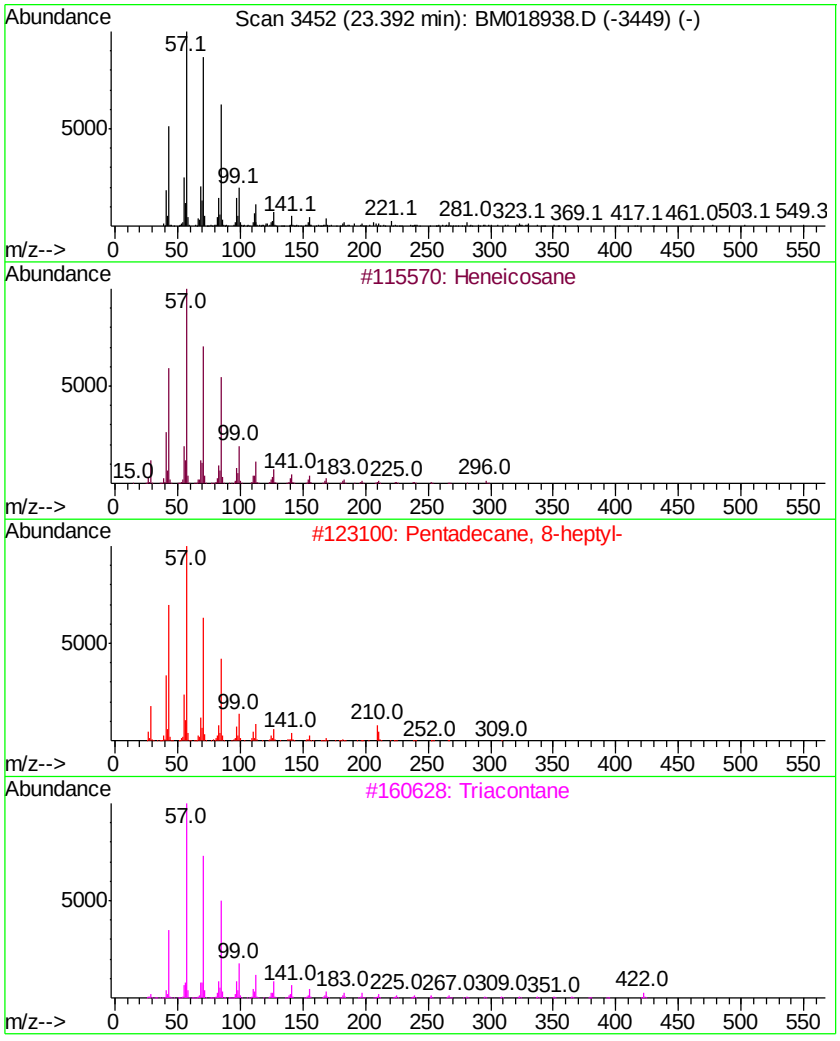
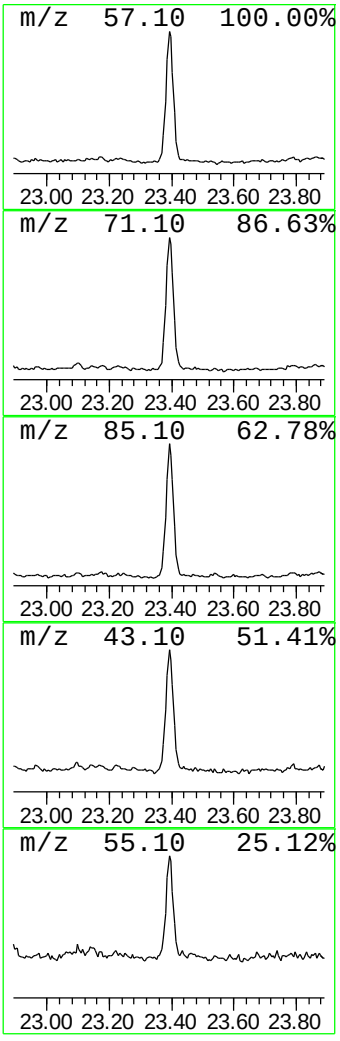
Peak Number 10 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.39	2.78 ng	491414	Perylene-d12	23.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	90
5	Docosane, 9-butyl-	366	C26H54	055282-14-9	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\
Data File : BM018938.D
Acq On : 26 Feb 2019 20:24
Operator : JU/SJ
Sample : K1610-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WV-E

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

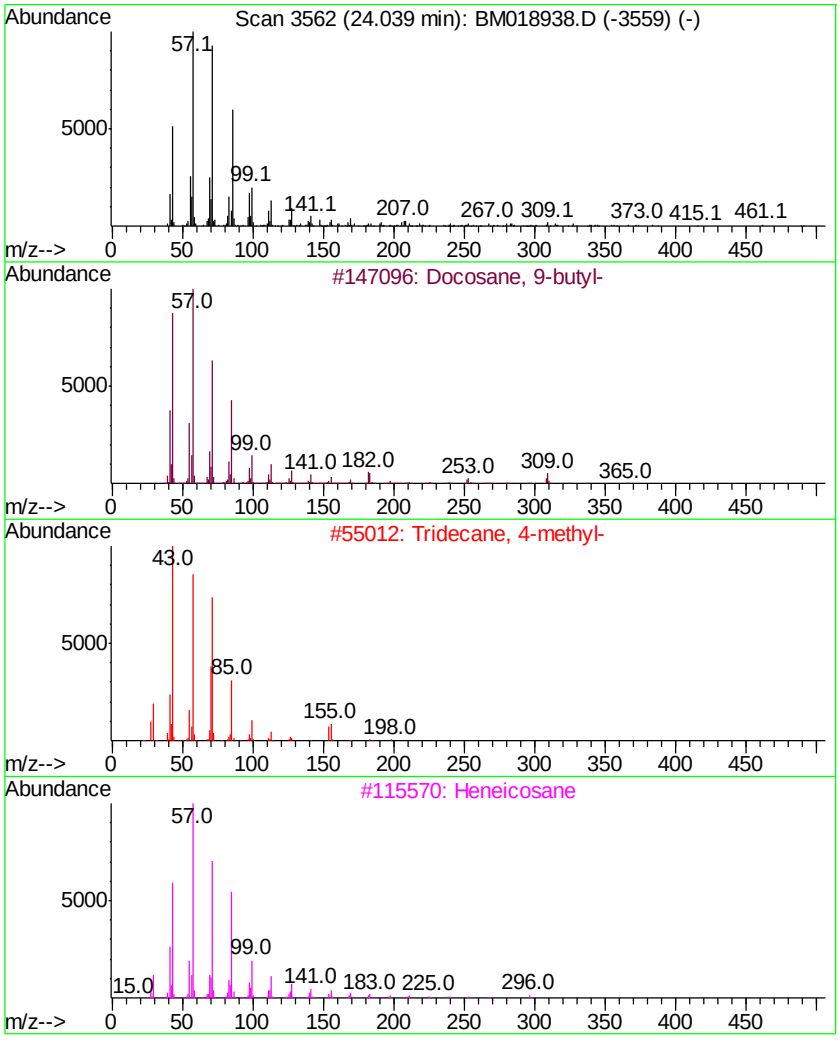
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

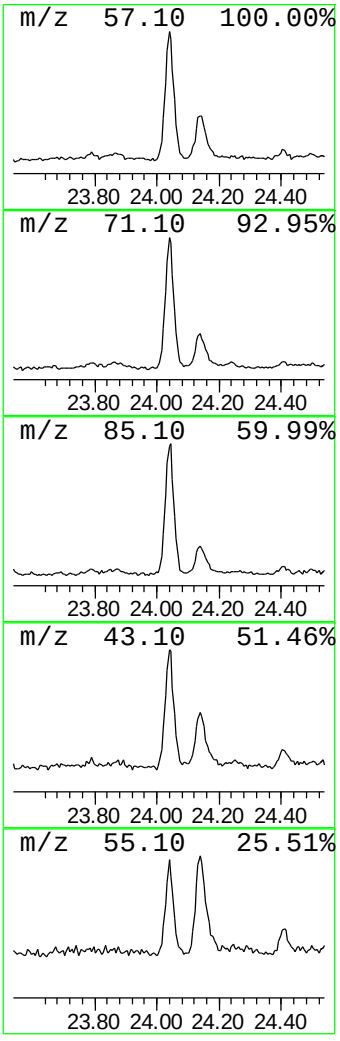
****

Peak Number 11 Docosane, 9-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.04	3.06 ng	541013	Perylene-d12	23.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 9-butyl-	366	C26H54	055282-14-9	90
2	Tridecane, 4-methyl-	198	C14H30	026730-12-1	87
3	Heneicosane	296	C21H44	000629-94-7	86
4	Octadecane	254	C18H38	000593-45-3	86
5	Heptadecane	240	C17H36	000629-78-7	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022619\
Data File : BM018938.D
Acq On : 26 Feb 2019 20:24
Operator : JU/SJ
Sample : K1610-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WV-E

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	103.2	ng	9963480	1	7.69	1930670	20.0
cis-2-Methyl-4-n-...	17.86	3.8	ng	511688	4	17.10	2705210	20.0
n-Hexadecanoic acid	17.99	21.9	ng	2958780	4	17.10	2705210	20.0
Octadecanoic acid	19.27	4.0	ng	706499	5	21.29	3537510	20.0
3-Eicosene, (E)-	20.99	6.8	ng	1196070	5	21.29	3537510	20.0
Pentadecane, 8-he...	22.32	3.0	ng	529742	5	21.29	3537510	20.0
Squalene	22.45	20.2	ng	3574700	6	23.54	3532430	20.0
Heneicosane, 11-(...	22.83	3.3	ng	578825	6	23.54	3532430	20.0
Heneicosane	23.39	2.8	ng	491414	6	23.54	3532430	20.0
Docosane, 9-butyl-	24.04	3.1	ng	541013	6	23.54	3532430	20.0