LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121618\
Data File : BM018230.D
Acq On : 16 Dec 2018 17:16
Operator : JU/SJ
Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

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-BM121518.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	3.787	147	153	158	rBV	42506	55264	1.36%	0.137%
2	4.687	302	306	314	rBV	90299	127071	3.14%	0.315%
3	5.128	375	381	391	rBV	2585460	3610516	89.08%	8.938%
4	6.698	640	648	663	rBV	2419700	4053179	100.00%	10.034%
5	7.040	699	706	718	rBV	2554256	3975468	98.08%	9.842%
6	7.493	777	783	793	rBV	568438	890574	21.97%	2.205%
7	7.810	830	837	852	rVB	1667048	2637686	65.08%	6.530%
8	8.657	973	981	997	rBV	1325317	2250623	55.53%	5.572%
9	10.263	1247	1254	1266	rBV	660246	1170353	28.87%	2.897%
10	12.763	1671	1679	1697	rBV	2590179	3949268	97.44%	9.777%
11	13.627	1821	1826	1840	rBV	155278	260222	6.42%	0.644%
12	14.157	1909	1916	1929	rBV2	903248	1428433	35.24%	3.536%
13	15.663	2166	2172	2187	rBV	1911472	2849555	70.30%	7.054%
14	16.915	2379	2385	2392	rBV2	962097	1427608	35.22%	3.534%
15	17.827	2534	2540	2550	rBV	261162	409308	10.10%	1.013%
16	18.845	2708	2713	2719	rBV8	23384	40824	1.01%	0.101%
17	19.004	2731	2740	2746	rBV7	31078	89354	2.20%	0.221%
18	19.127	2756	2761	2772	rBV3	101792	209732	5.17%	0.519%
19	19.568	2830	2836	2844	rBV	2580367	3235735	79.83%	8.010%
20	19.851	2880	2884	2889	rBV4	102015	173914	4.29%	0.431%
21	19.892	2889	2891	2900	rVB3	50470	78123	1.93%	0.193%
22	20.133	2928	2932	2938	rBV2	116046	138731	3.42%	0.343%
23	20.292	2955	2959	2964	rVB7	39187	56097	1.38%	0.139%
24	20.392	2972	2976	2980	rBV	69047	84811	2.09%	0.210%
25	20.433	2980	2983	2985	rVV4	37136	47973	1.18%	0.119%
26	20.451	2985	2986	2993	rVB4	61603	73643	1.82%	0.182%
27	20.598	3008	3011	3016	rVB5	61840	67858	1.67%	0.168%
28	20.862	3051	3056	3064	rBV	631517	819245	20.21%	2.028%
29	20.927	3064	3067	3072	rVB6	41906	60253	1.49%	0.149%
30	21.139	3098	3103	3116	rBV	1082183	1624317	40.08%	4.021%
31	21.298	3127	3130	3140	rVB	153580	184627	4.56%	0.457%
32	21.474	3157	3160	3165	rVB6	56522	73752	1.82%	0.183%
33	21.727	3199	3203	3205	rBV	304730	403458	9.95%	0.999%
34	21.750	3205	3207	3213	rVB3	263691	330891	8.16%	0.819%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121618\
Data File : BM018230.D
Acq On : 16 Dec 2018 17:16
Operator : JU/SJ
Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

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-BM121518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	22.168	3274	3278	3282	rVB	254111	301497	7.44%	0.746%
36	22.650	3355	3360	3365	rBV	745880	1079915	26.64%	2.673%
37	23.186	3447	3451	3459	rVB	199843	310471	7.66%	0.769%
38	23.303	3465	3471	3478	rVB2	764605	1406706	34.71%	3.482%
39	23.791	3550	3554	3561	rVB3	223139	407542	10.05%	1.009%

Sum of corrected areas: 40394597

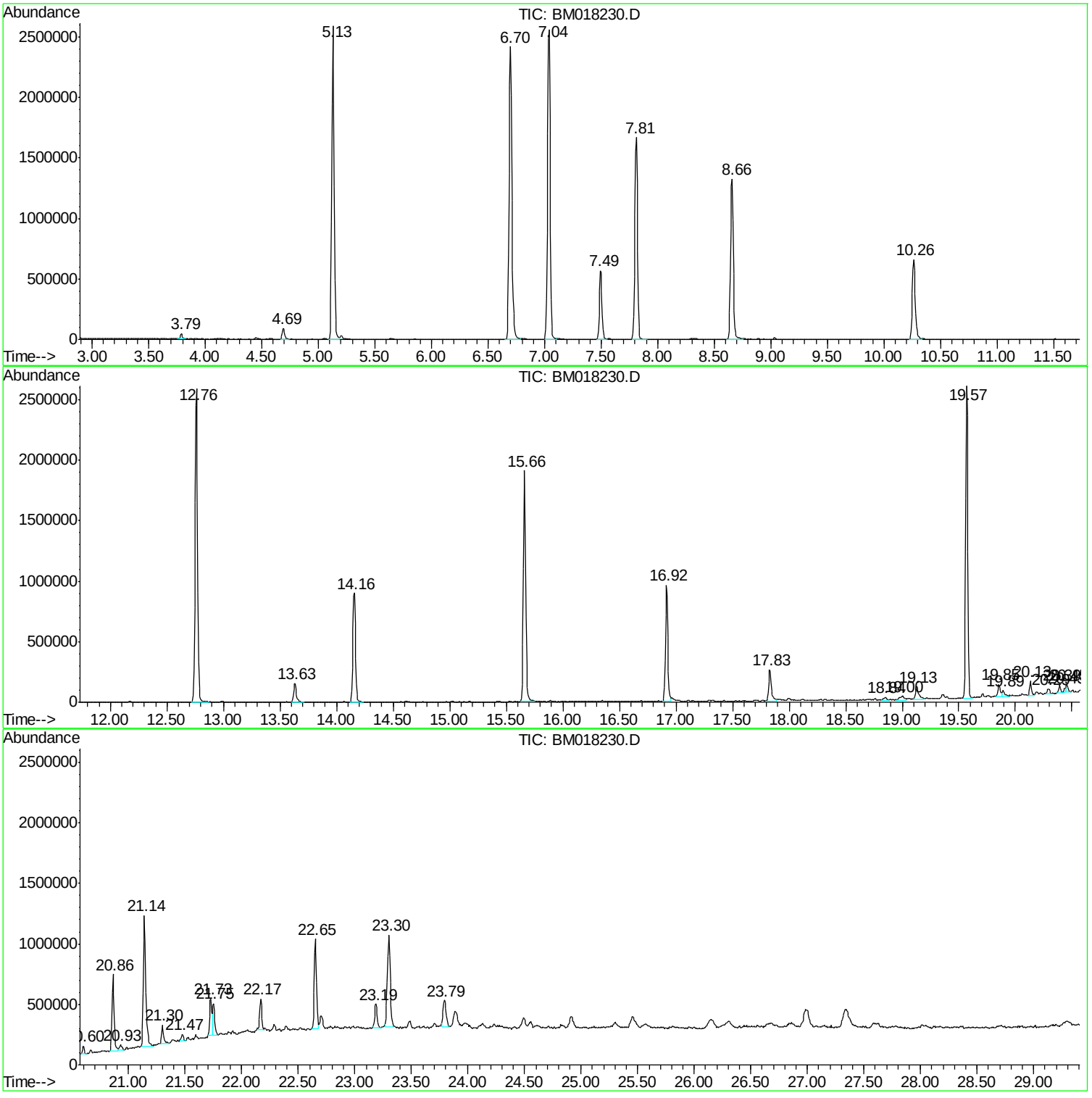
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121618\
Data File : BM018230.D
Acq On : 16 Dec 2018 17:16
Operator : JU/SJ
Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121618\
Data File : BM018230.D
Acq On : 16 Dec 2018 17:16
Operator : JU/SJ
Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

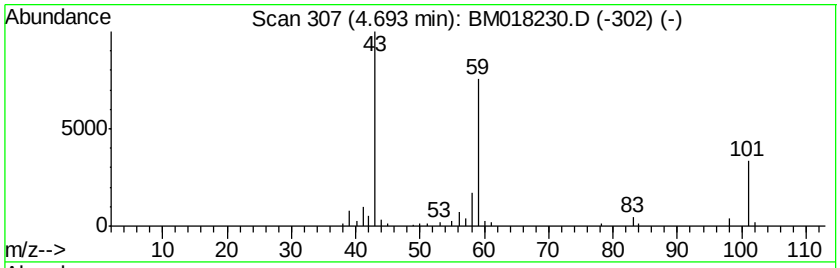
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

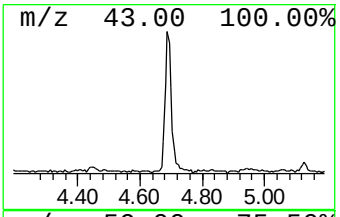
****

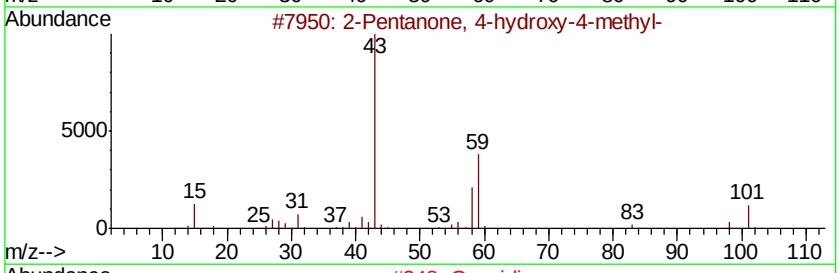
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

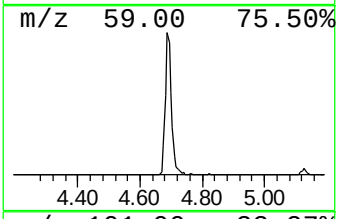
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.69	2.85 ng	127071	1,4-Dichlorobenzene-d4	7.50

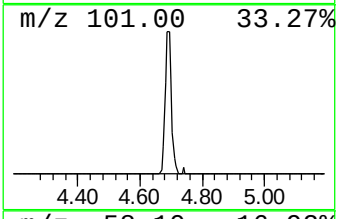
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Guanidine	59	CH5N3	000113-00-8	50
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	35
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	25
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9

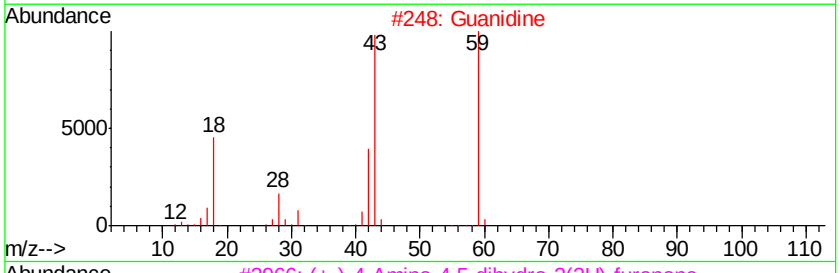


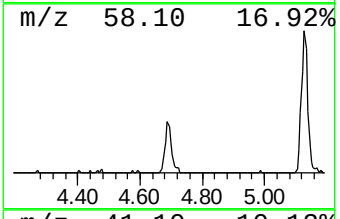


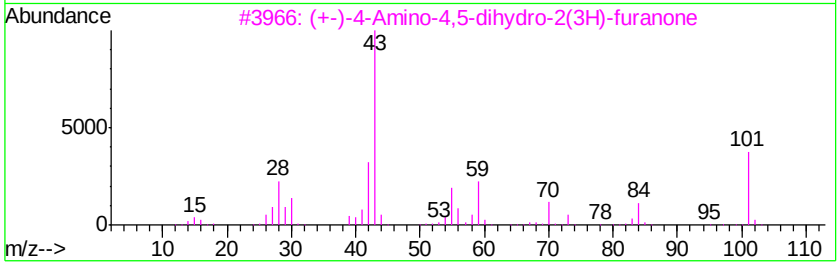


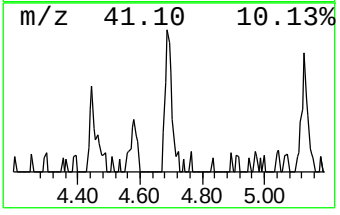












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121618\
Data File : BM018230.D
Acq On : 16 Dec 2018 17:16
Operator : JU/SJ
Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

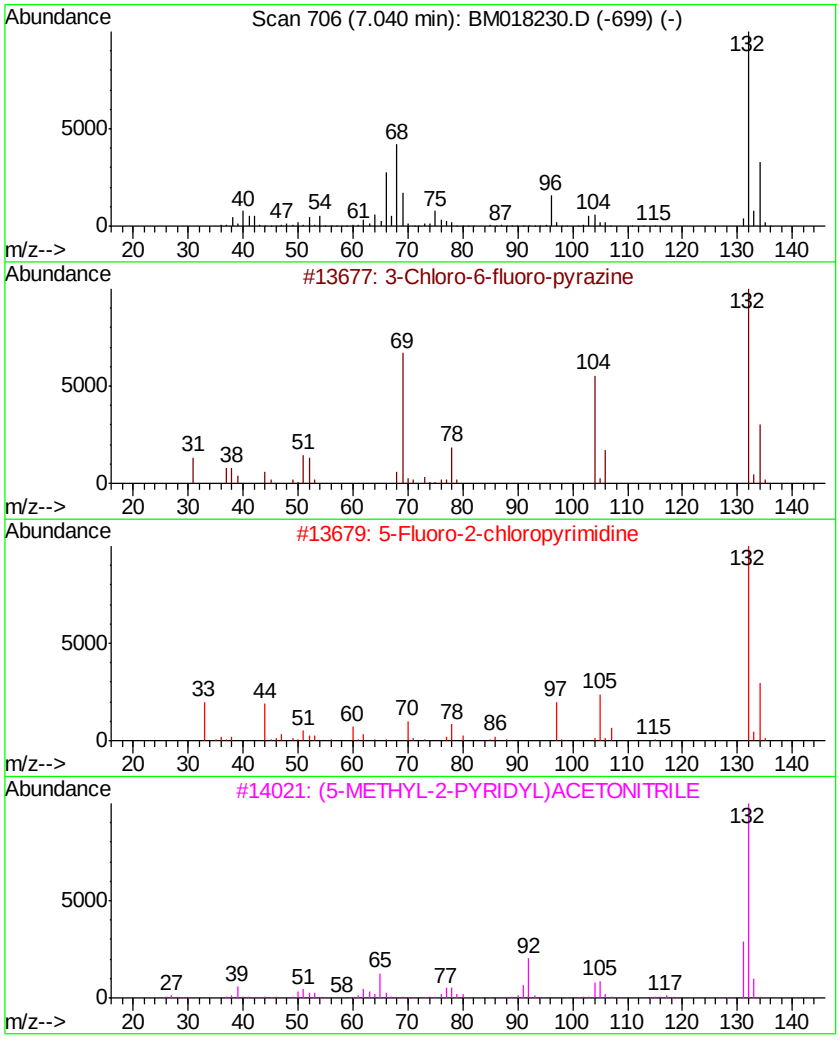
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

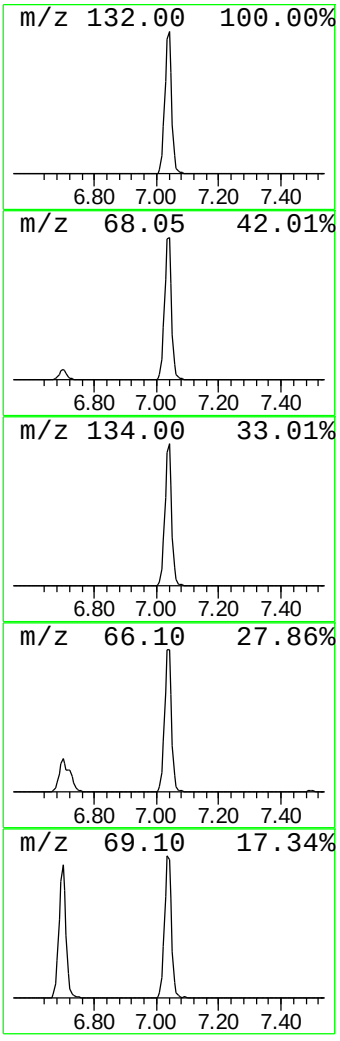
****

Peak Number 2 unknown7.04 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	89.28 ng	3975470	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121618\
Data File : BM018230.D
Acq On : 16 Dec 2018 17:16
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Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

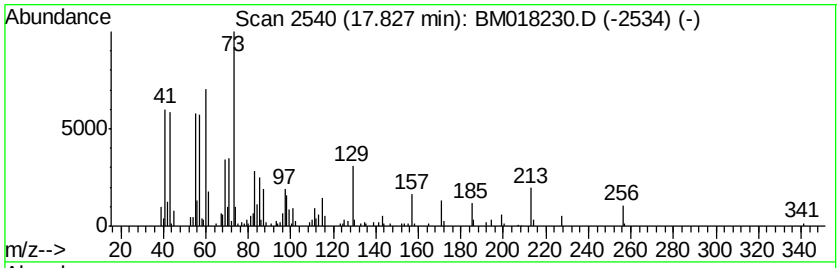
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

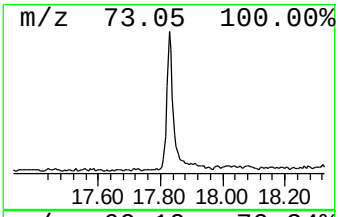
****

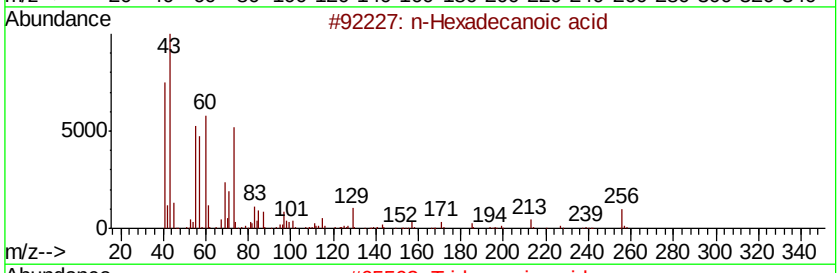
Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

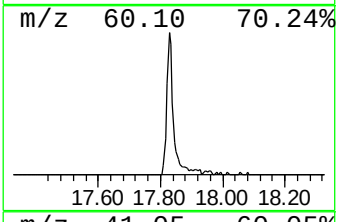
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	5.73 ng	409308	Phenanthrene-d10	16.92

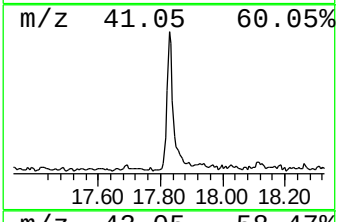
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	62
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Dodecanoic acid	200	C12H24O2	000143-07-7	52

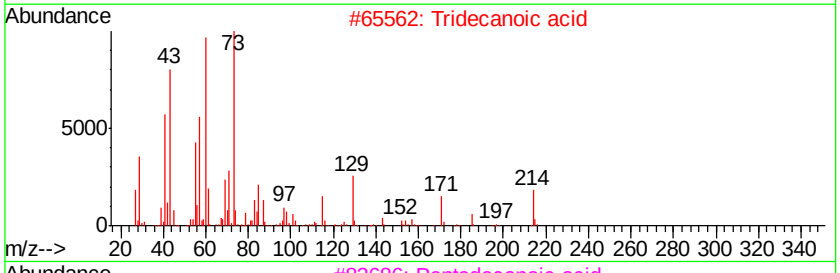


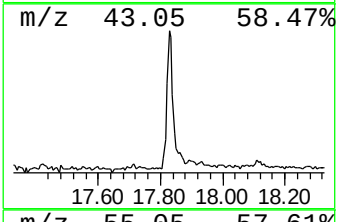


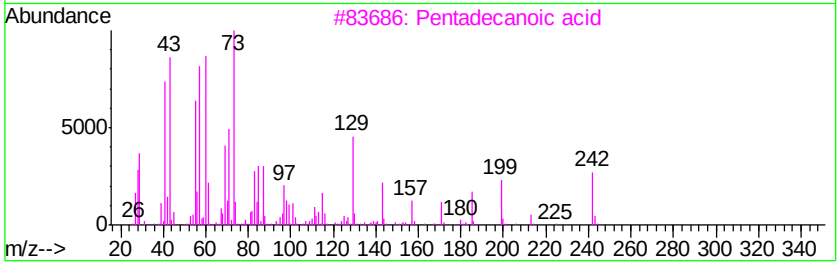


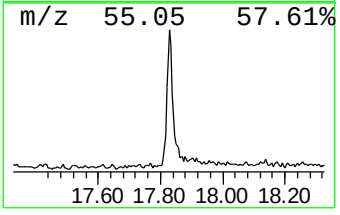












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Data File : BM018230.D
Acq On : 16 Dec 2018 17:16
Operator : JU/SJ
Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

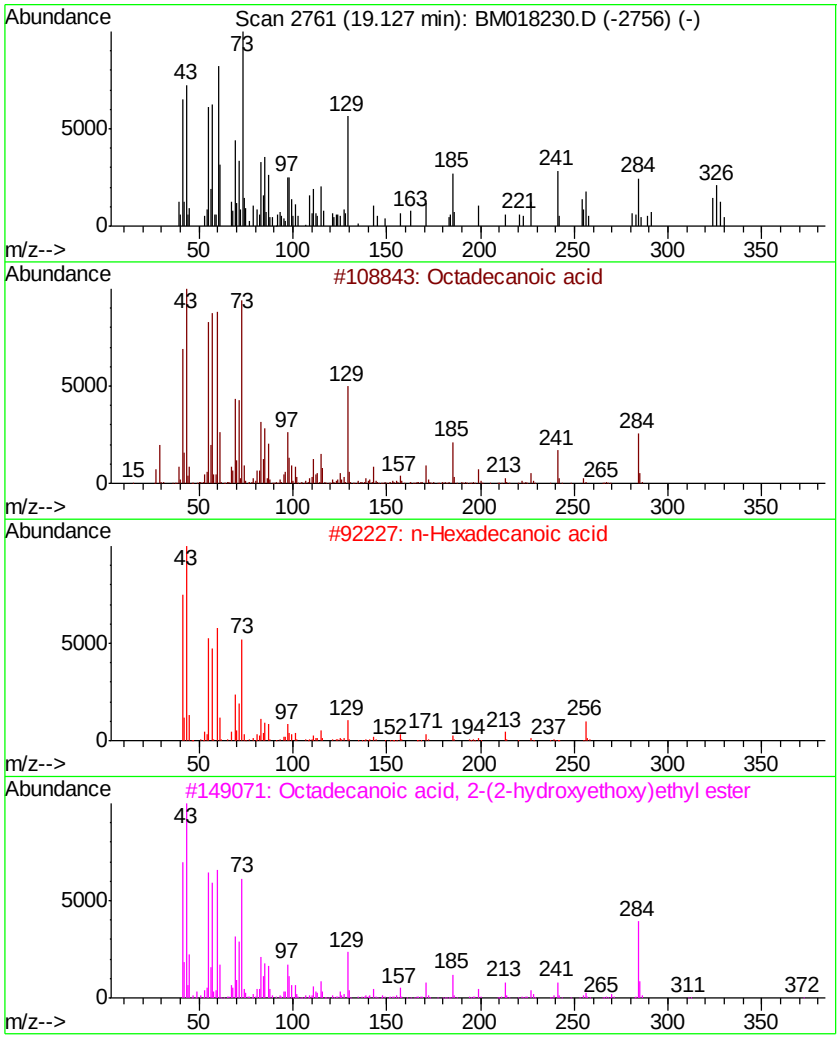
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

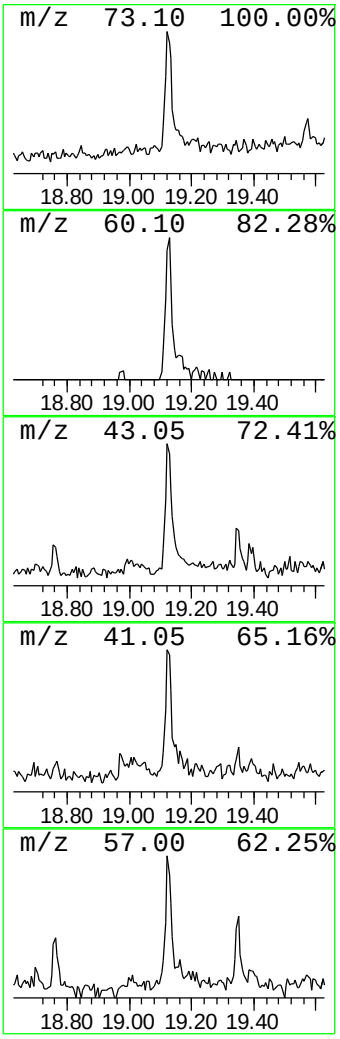
****

Peak Number 5 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	2.58 ng	209732	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	56
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	52
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	49
5	Undecanoic acid	186	C11H22O2	000112-37-8	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121618\
Data File : BM018230.D
Acq On : 16 Dec 2018 17:16
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Sample : J6377-15
Misc :
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Instrument : BNA_M
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

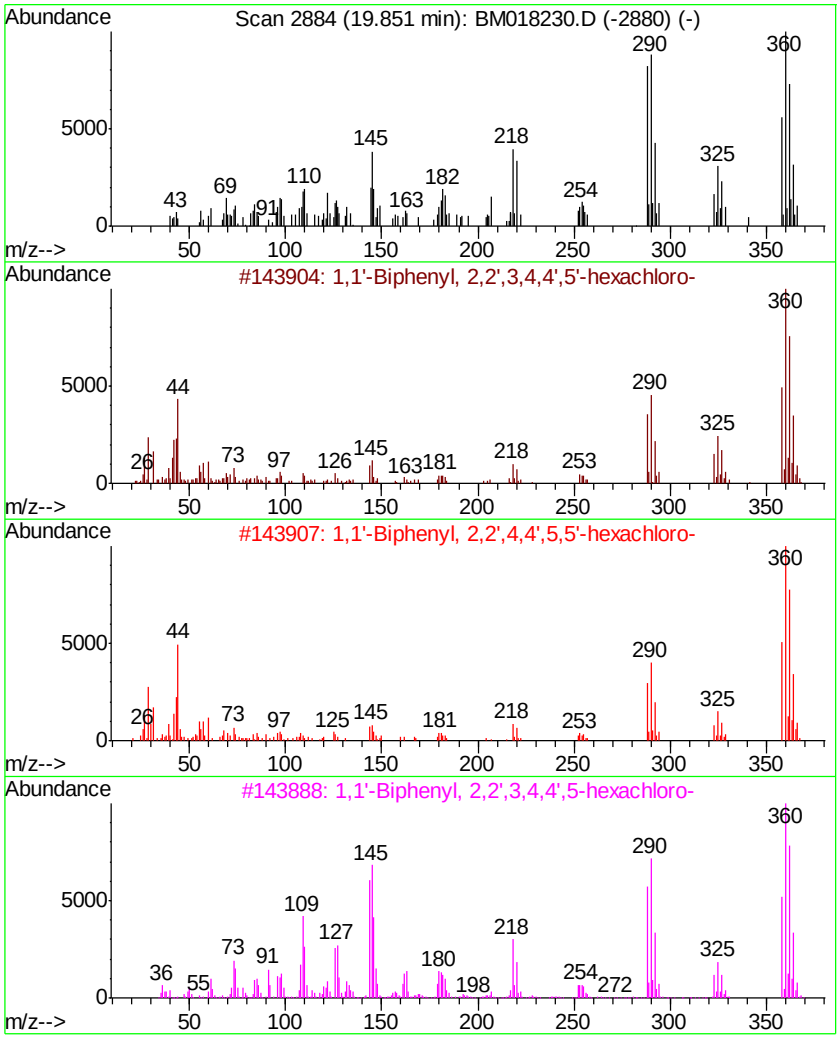
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

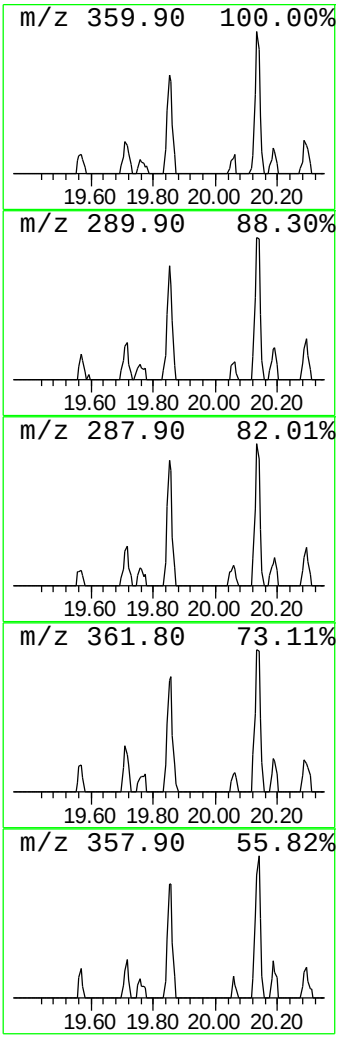
****

Peak Number 6 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.85	2.14 ng	173914	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
2	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	98
3	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	94
4	1,1'-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	94
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121618\
Data File : BM018230.D
Acq On : 16 Dec 2018 17:16
Operator : JU/SJ
Sample : J6377-15
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Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

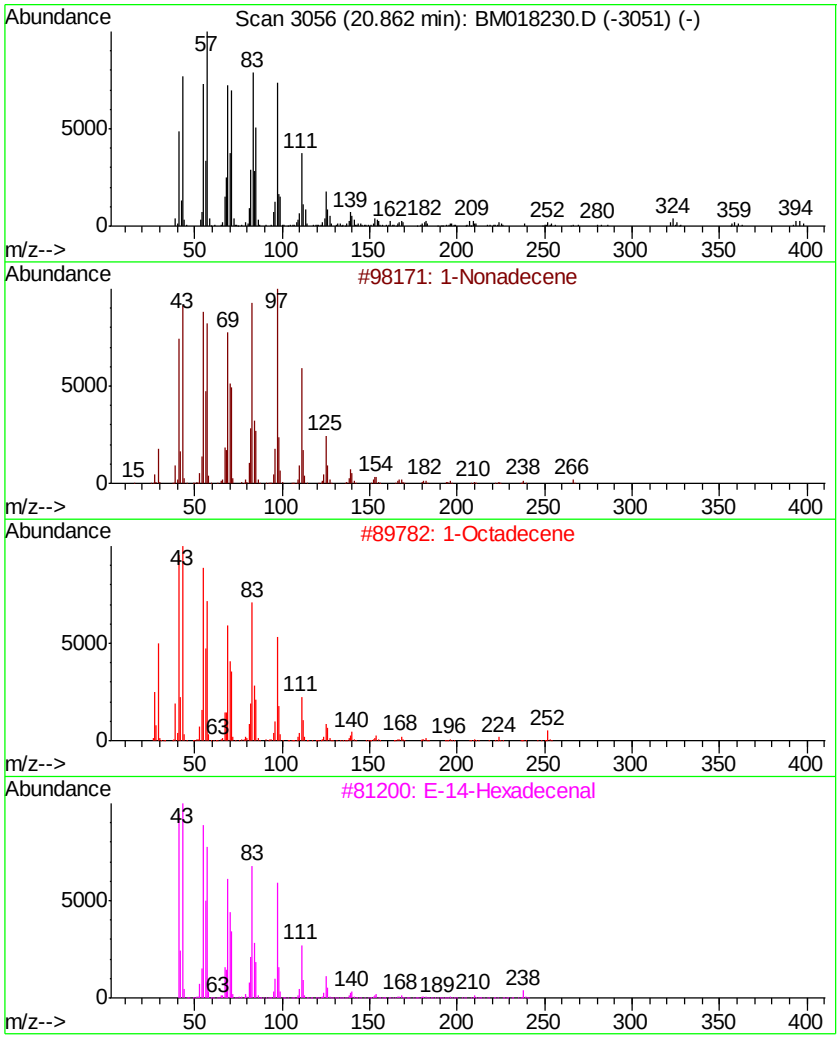
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

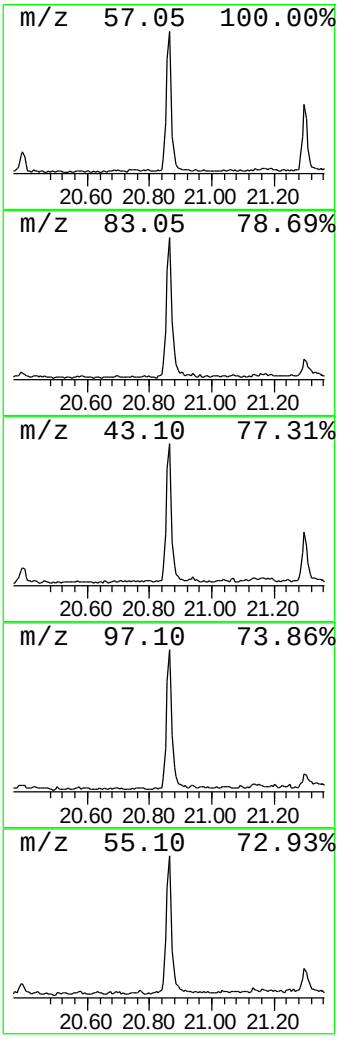
****

Peak Number 7 1-Nonadecene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	10.09 ng	819245	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	98
2	1-Octadecene	252	C18H36	000112-88-9	95
3	E-14-Hexadecenal	238	C16H30O	330207-53-9	95
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	91
5	1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	91





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Acq On : 16 Dec 2018 17:16
Operator : JU/SJ
Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.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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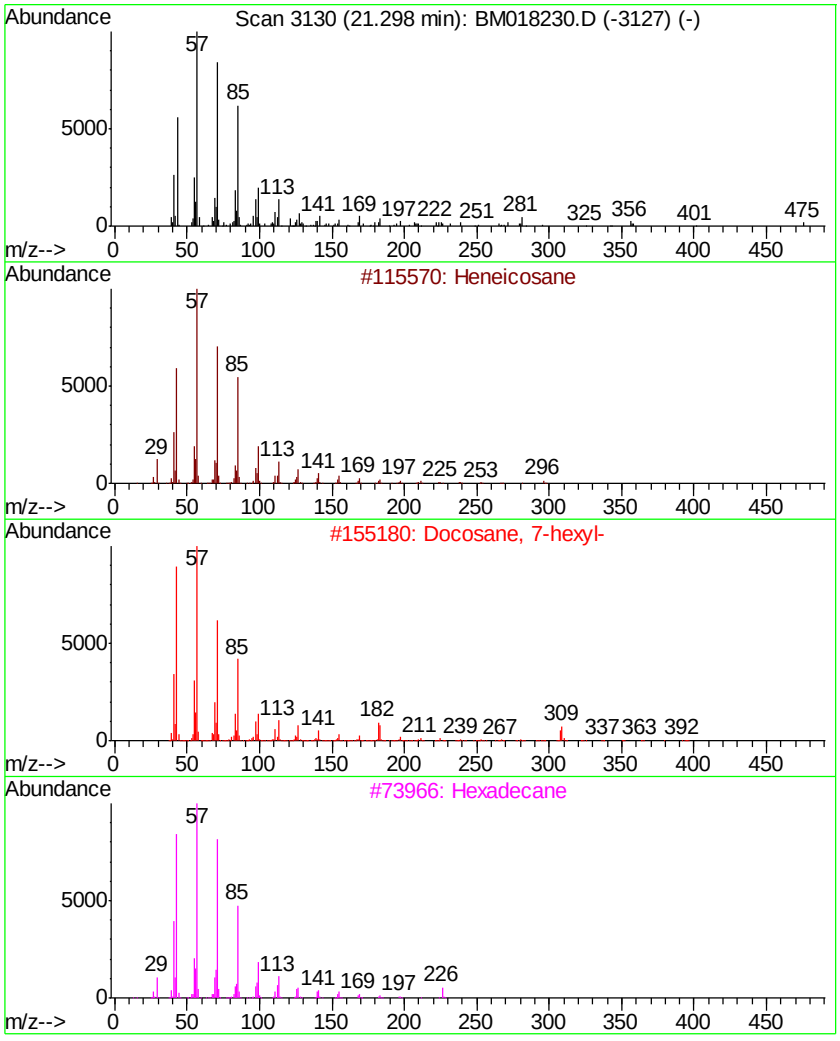
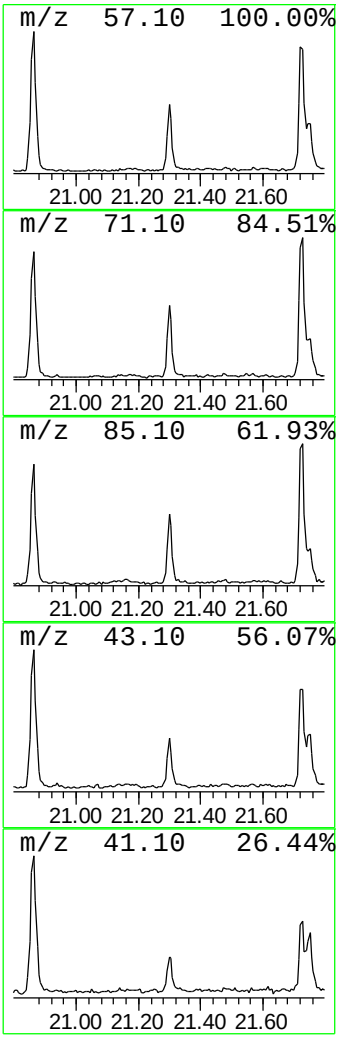
Peak Number 8 Heneicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.27 ng	184627	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Docosane, 7-hexyl-	394	C28H58	055373-86-9	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	86
5	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	86





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Sample : J6377-15
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Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

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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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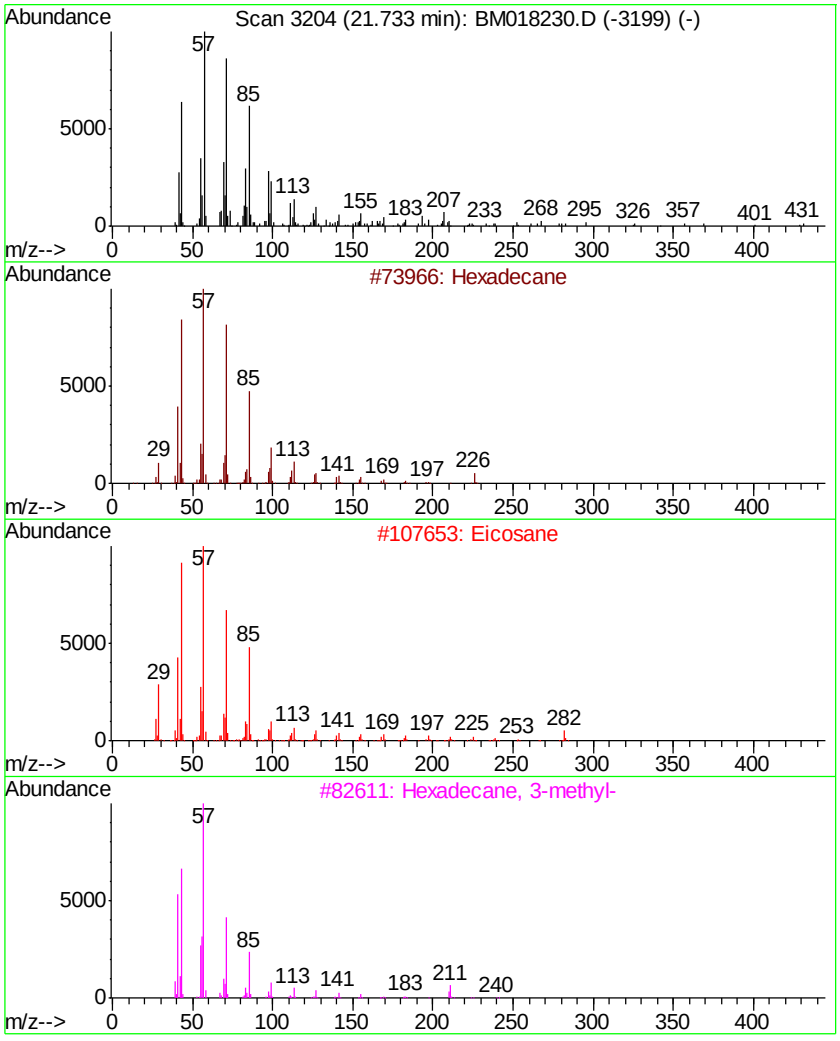
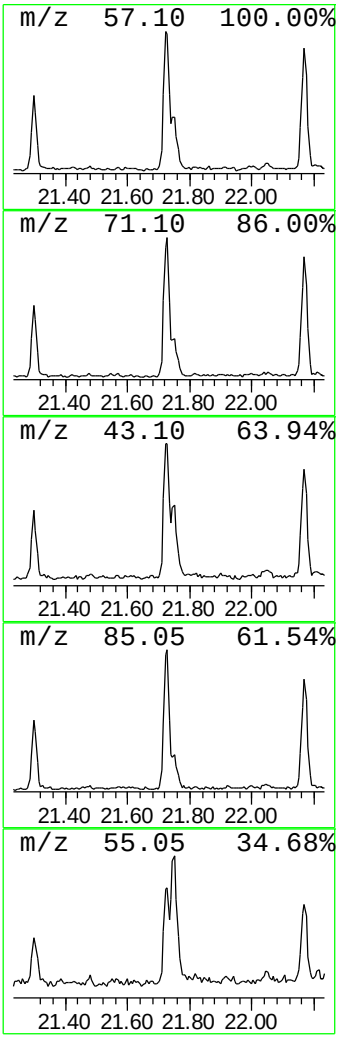
Peak Number 9 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.73	4.97 ng	403458	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Eicosane	282	C20H42	000112-95-8	93
3	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	91
4	Tetratriacontane	479	C34H70	014167-59-0	91
5	Heneicosane	296	C21H44	000629-94-7	91





Library Search Compound Report

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Acq On : 16 Dec 2018 17:16
Operator : JU/SJ
Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

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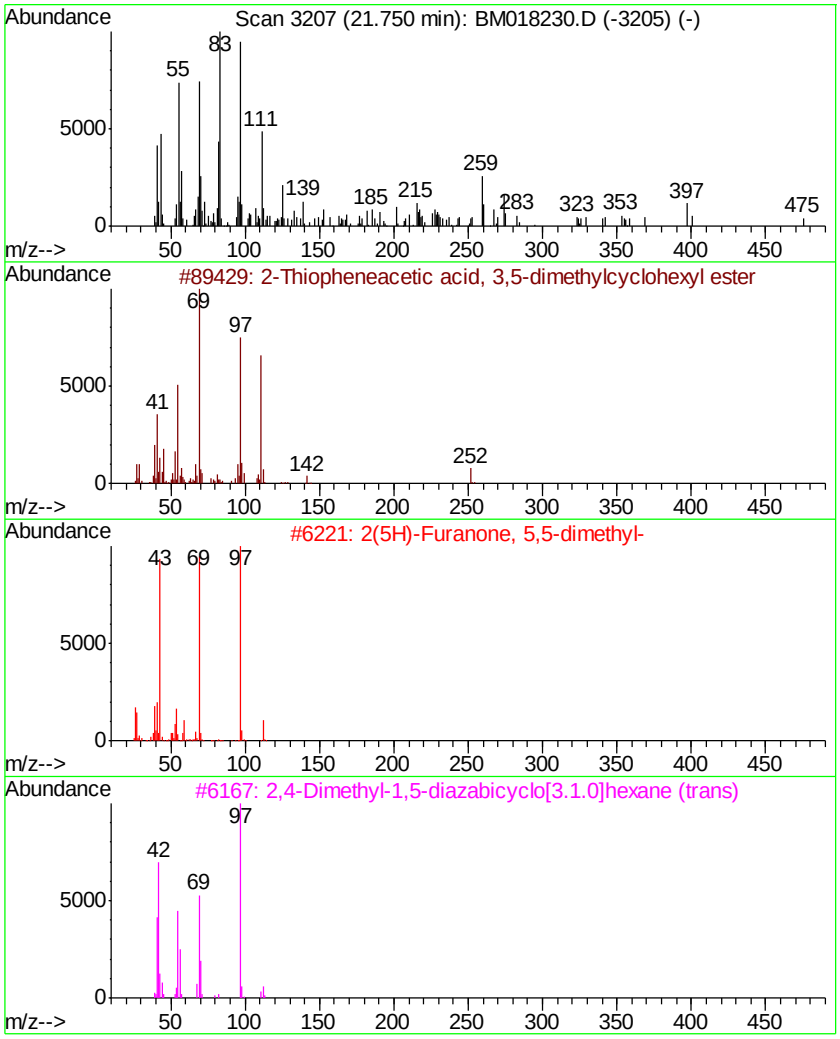
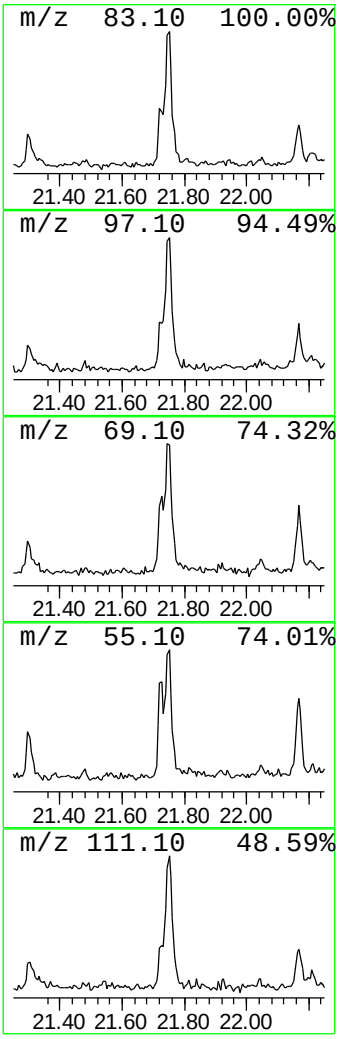
Peak Number 10 unknown21.75 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.75	4.07 ng	330891	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Thiopheneacetic acid, 3,5-dime...	252	C14H20O2S	1000278-92-2	41
2	2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	35
3	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	1000283-20-9	35
4	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	25
5	6-Bromo-2,2-dimethylcyclohexanone	204	C8H13BrO	021690-26-6	22





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Operator : JU/SJ
Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
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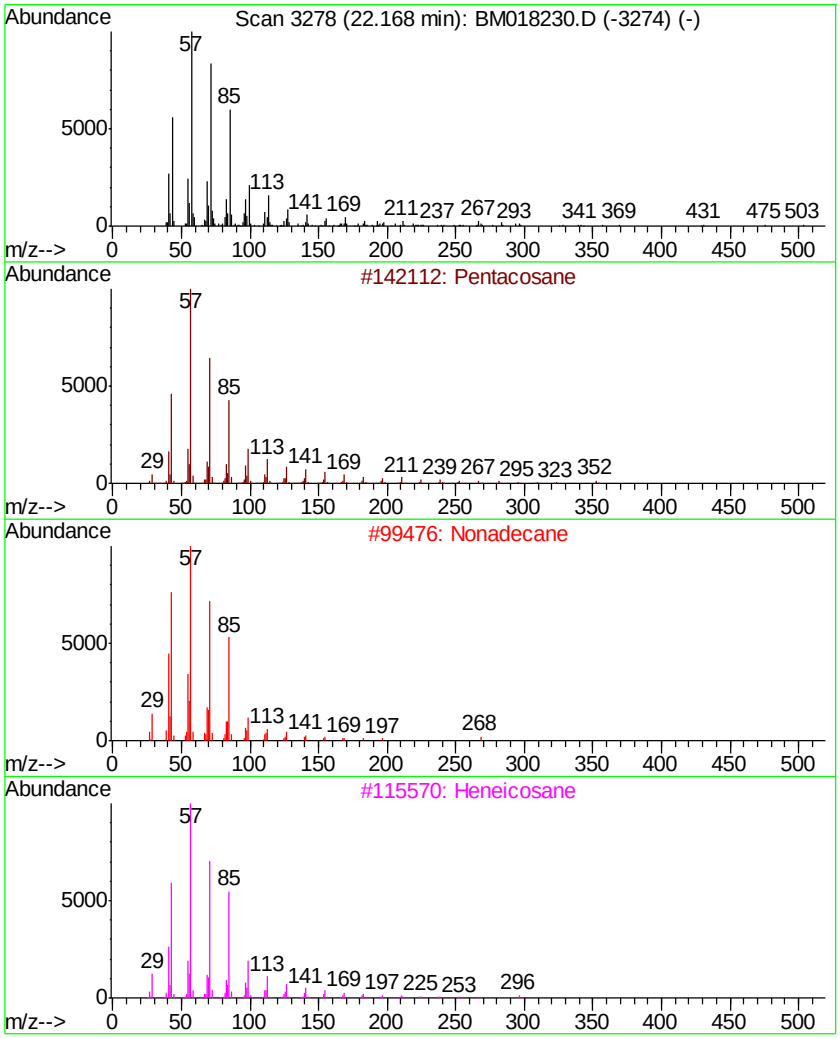
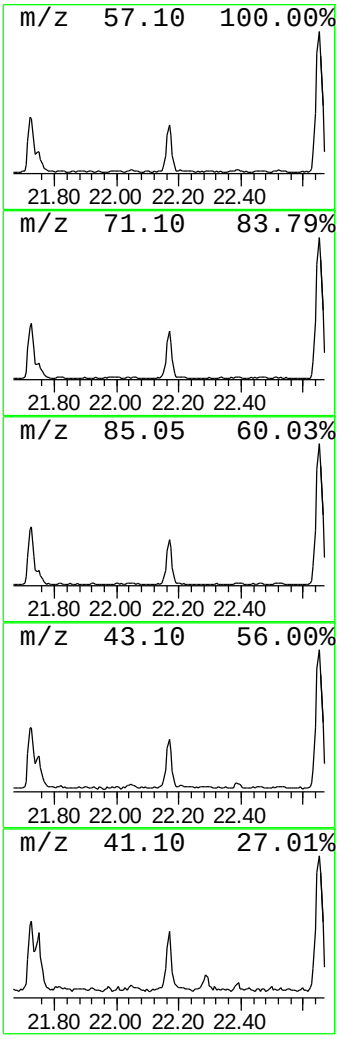
Peak Number 11 Pentacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.17	3.71 ng	301497	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	91
2	Nonadecane	268	C19H40	000629-92-5	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90





Library Search Compound Report

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Acq On : 16 Dec 2018 17:16
Operator : JU/SJ
Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P001-SD006-0006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.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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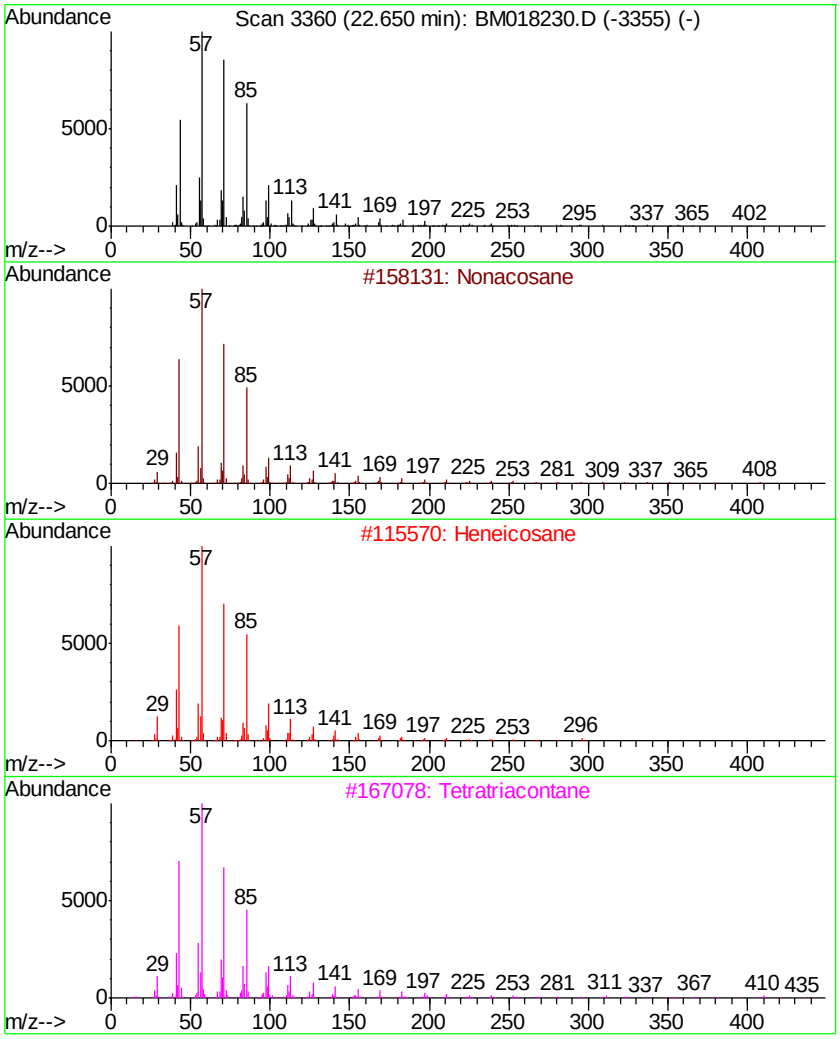
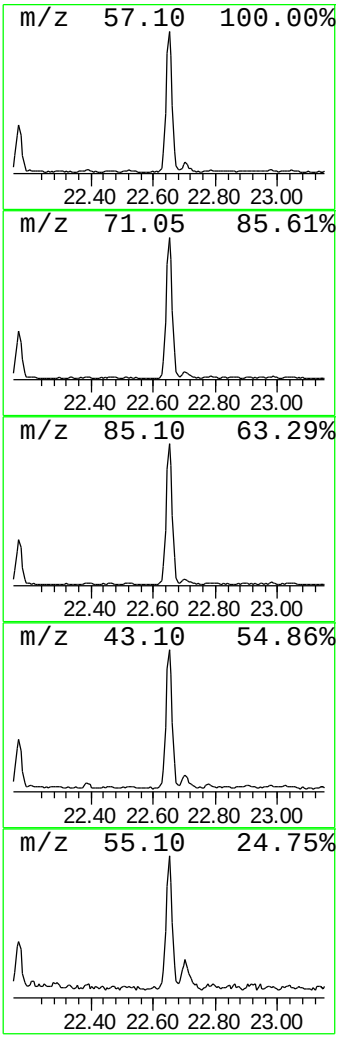
Peak Number 12 Nonacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.65	15.35 ng	1079920	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonacosane	408	C29H60	000630-03-5	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tetratriacontane	479	C34H70	014167-59-0	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Octacosane	394	C28H58	000630-02-4	91





Library Search Compound Report

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Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-SD006-0006-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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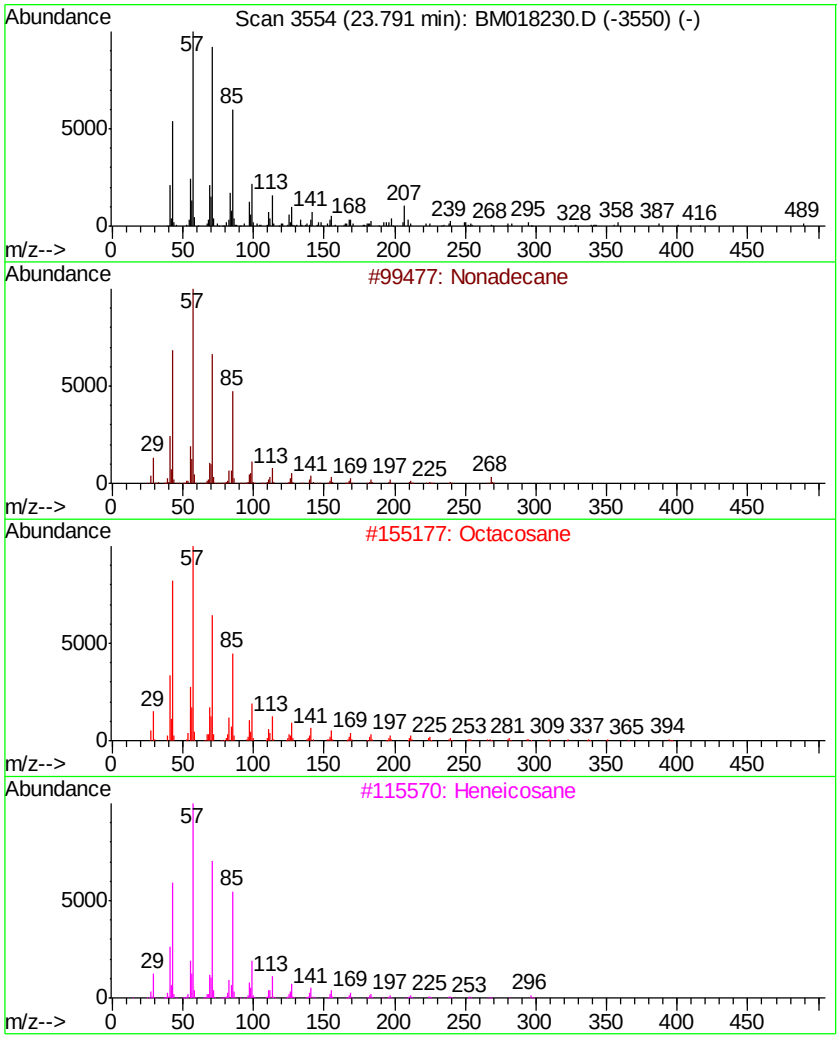
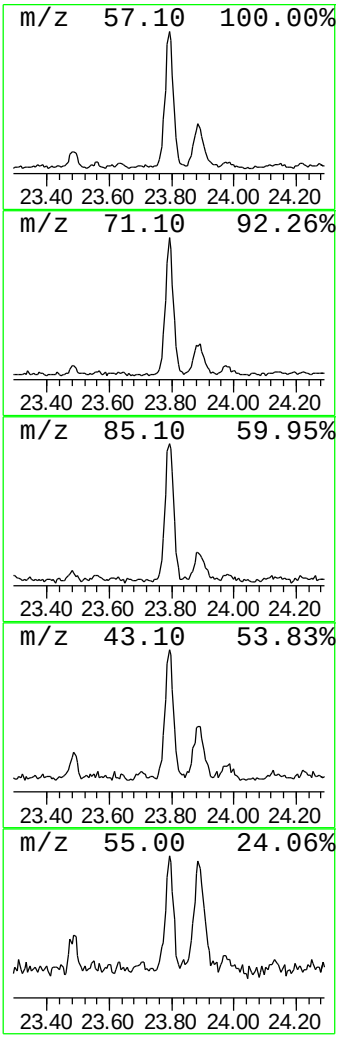
Peak Number 14 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.79	5.79 ng	407542	Perylene-d12	23.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Octacosane	394	C28H58	000630-02-4	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	87
5	Triacontane	422	C30H62	000638-68-6	87





Tentatively Identified Compound (LSC) summary

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Data File : BM018230.D
Acq On : 16 Dec 2018 17:16
Operator : JU/SJ
Sample : J6377-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.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
2-Pentanone, 4-hy...	4.69	2.9	ng	127071	1	7.50	890574	20.0
unknown7.04	7.04	89.3	ng	3975470	1	7.50	890574	20.0
n-Hexadecanoic acid	17.83	5.7	ng	409308	4	16.92	1427610	20.0
Octadecanoic acid	19.13	2.6	ng	209732	5	21.14	1624320	20.0
1,1'-Biphenyl, 2,...	19.85	2.1	ng	173914	5	21.14	1624320	20.0
1-Nonadecene	20.86	10.1	ng	819245	5	21.14	1624320	20.0
Heneicosane	21.30	2.3	ng	184627	5	21.14	1624320	20.0
Hexadecane	21.73	5.0	ng	403458	5	21.14	1624320	20.0
unknown21.75	21.75	4.1	ng	330891	5	21.14	1624320	20.0
Pentacosane	22.17	3.7	ng	301497	5	21.14	1624320	20.0
Nonacosane	22.65	15.4	ng	1079920	6	23.30	1406710	20.0
Nonadecane	23.79	5.8	ng	407542	6	23.30	1406710	20.0