LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097629.D
Acq On : 12 Aug 2017 9:52
Operator : SJ/JU
Sample : I4723-03 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ELECTRICAL-UNIT-BUS-SUPPORT

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:\HPCHEM1\BNA_F\METHODS\8270-BF081117.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	7.222	937	941	942	rBV	18852	21793	2.16%	0.321%
2	7.510	986	990	1007	rBV	298426	494567	49.07%	7.281%
3	7.775	1032	1035	1043	rBV2	5374	10447	1.04%	0.154%
4	8.351	1128	1133	1138	rBV3	18098	40277	4.00%	0.593%
5	8.639	1176	1182	1189	rBV3	9947	17716	1.76%	0.261%
6	9.398	1302	1311	1324	rBV	150080	333916	33.13%	4.916%
7	9.539	1331	1335	1360	rVB	538299	751843	74.59%	11.069%
8	10.351	1464	1473	1490	rBV	176237	362812	35.99%	5.342%
9	10.875	1558	1562	1588	rBV	167767	555864	55.15%	8.184%
10	11.227	1617	1622	1631	rBV4	29232	56587	5.61%	0.833%
11	11.322	1635	1638	1645	rVB	19146	25076	2.49%	0.369%
12	12.363	1811	1815	1826	rBV2	488081	628807	62.38%	9.258%
13	12.910	1903	1908	1915	rBV	109296	157166	15.59%	2.314%
14	12.963	1915	1917	1925	rVB5	7718	14994	1.49%	0.221%
15	14.427	2162	2166	2172	rBV	14031	17877	1.77%	0.263%
16	14.762	2219	2223	2234	rBV	406139	528061	52.39%	7.774%
17	15.280	2307	2311	2316	rBV	27453	43480	4.31%	0.640%
18	15.786	2388	2397	2410	rBV2	571271	1007956	100.00%	14.840%
19	16.604	2532	2536	2541	rVB2	44909	51422	5.10%	0.757%
20	16.745	2553	2560	2561	rBV6	10684	17693	1.76%	0.260%
21	16.774	2562	2565	2569	rVB	44481	48896	4.85%	0.720%
22	16.868	2577	2581	2587	rBV	117529	160159	15.89%	2.358%
23	17.115	2620	2623	2628	rBV2	16315	19808	1.97%	0.292%
24	17.198	2633	2637	2642	rBV6	10527	16194	1.61%	0.238%
25	17.503	2687	2689	2693	rVB4	17894	18173	1.80%	0.268%
26	17.609	2703	2707	2709	rBV4	19146	27242	2.70%	0.401%
27	17.633	2709	2711	2715	rVB3	30822	31504	3.13%	0.464%
28	17.792	2734	2738	2742	rVB5	29916	38189	3.79%	0.562%
29	18.280	2817	2821	2824	rVB2	54063	62630	6.21%	0.922%
30	18.351	2828	2833	2838	rBV	79155	134560	13.35%	1.981%
31	18.462	2848	2852	2858	rBV	421241	501542	49.76%	7.384%
32	19.080	2954	2957	2961	rBV4	30839	33770	3.35%	0.497%
33	19.145	2964	2968	2974	rBV6	26460	56568	5.61%	0.833%
34	19.886	3092	3094	3098	rVB4	13157	13897	1.38%	0.205%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097629.D
Acq On : 12 Aug 2017 9:52
Operator : SJ/JU
Sample : I4723-03 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ELECTRICAL-UNIT-BUS-SUPPORT

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:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	20.127	3131	3135	3143	rVB	404249	471277	46.76%	6.938%
36	20.974	3277	3279	3286	rVB4	13360	19499	1.93%	0.287%

Sum of corrected areas: 6792262

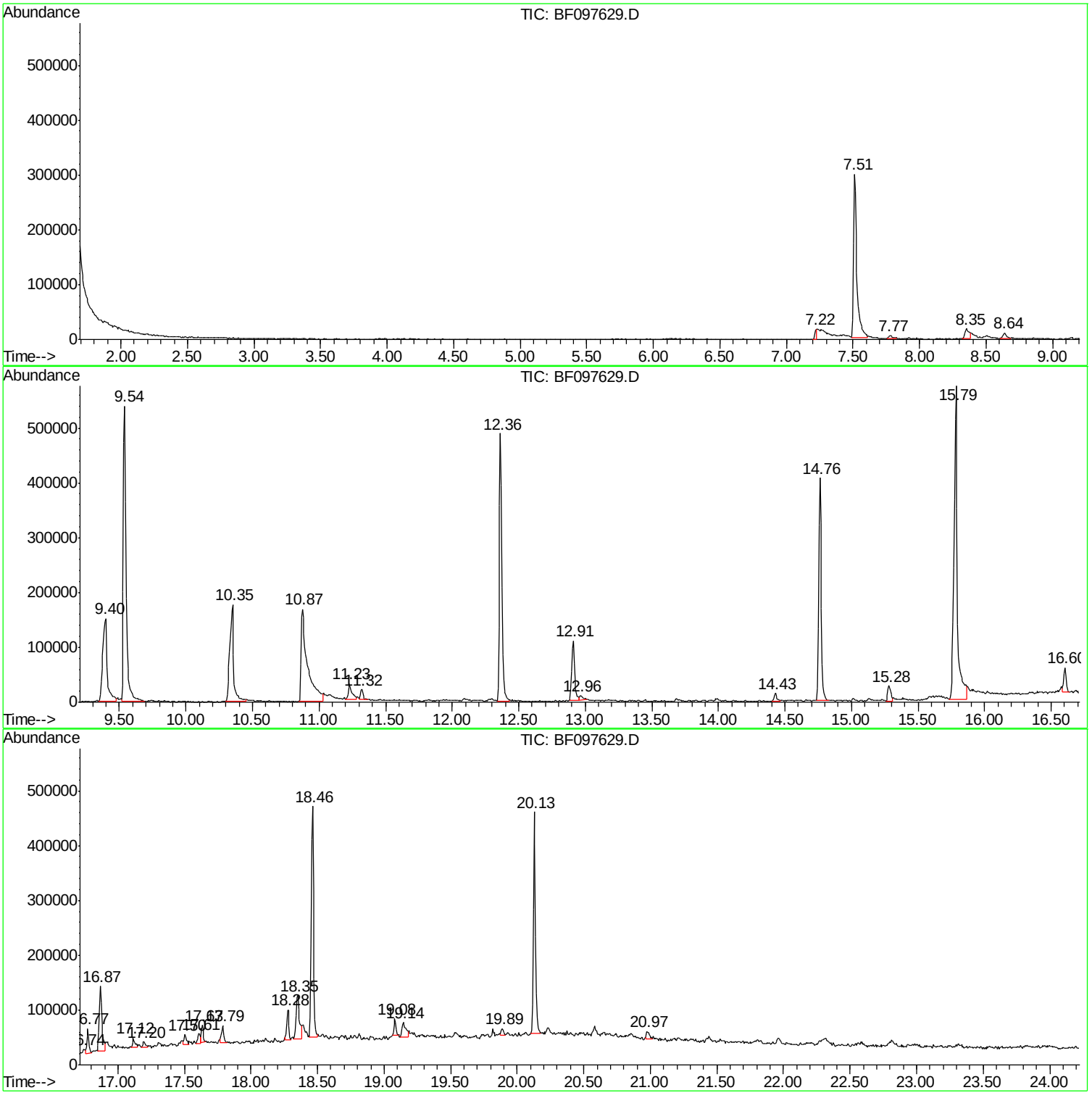
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097629.D
Acq On : 12 Aug 2017 9:52
Operator : SJ/JU
Sample : I4723-03 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ELECTRICAL-UNIT-BUS-SUPPORT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
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Acq On : 12 Aug 2017 9:52
Operator : SJ/JU
Sample : I4723-03 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ELECTRICAL-UNIT-BUS-SUPPORT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

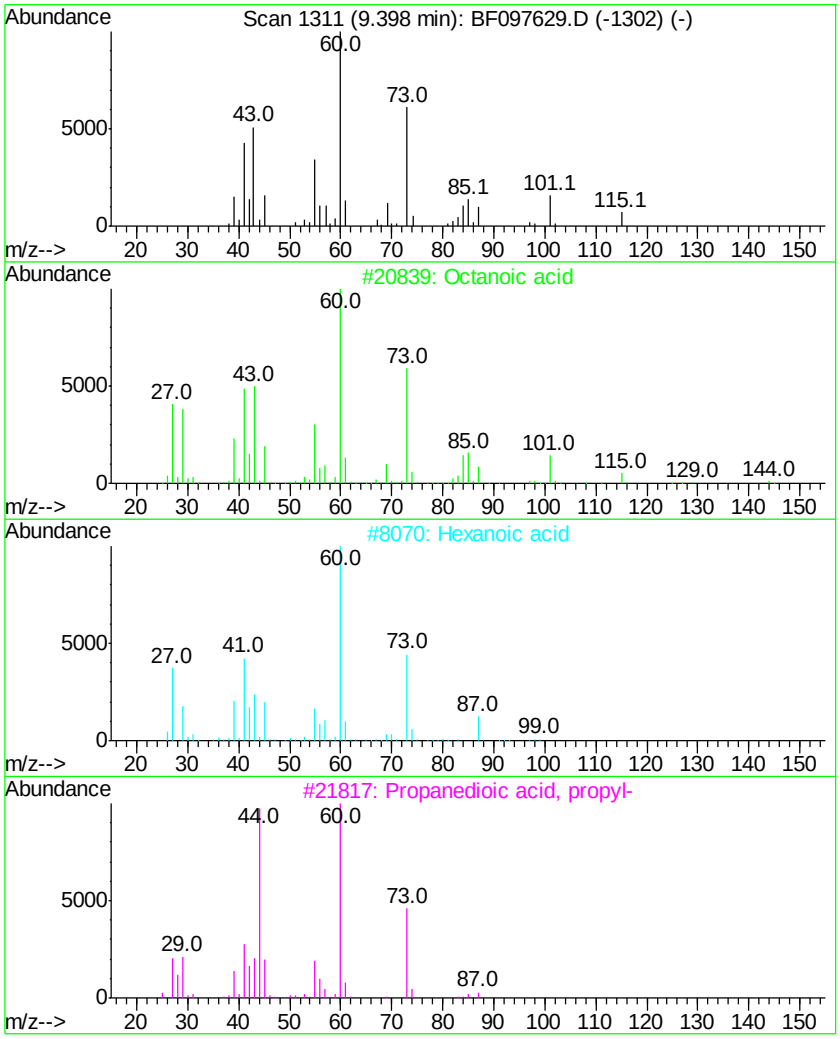
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

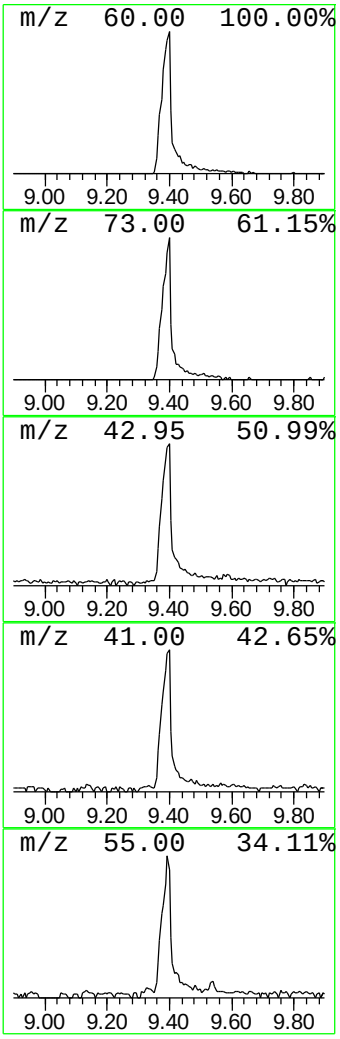
****

Peak Number 1 Octanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	8.88 ng	333916	Naphthalene-d8	9.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic acid	144	C8H16O2	000124-07-2	90
2	Hexanoic acid	116	C6H12O2	000142-62-1	64
3	Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	45
4	Heptanoic acid	130	C7H14O2	000111-14-8	42
5	3-Methyl-hexanoic acid	130	C7H14O2	1000365-65-4	42





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Acq On : 12 Aug 2017 9:52
Operator : SJ/JU
Sample : I4723-03 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ELECTRICAL-UNIT-BUS-SUPPORT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

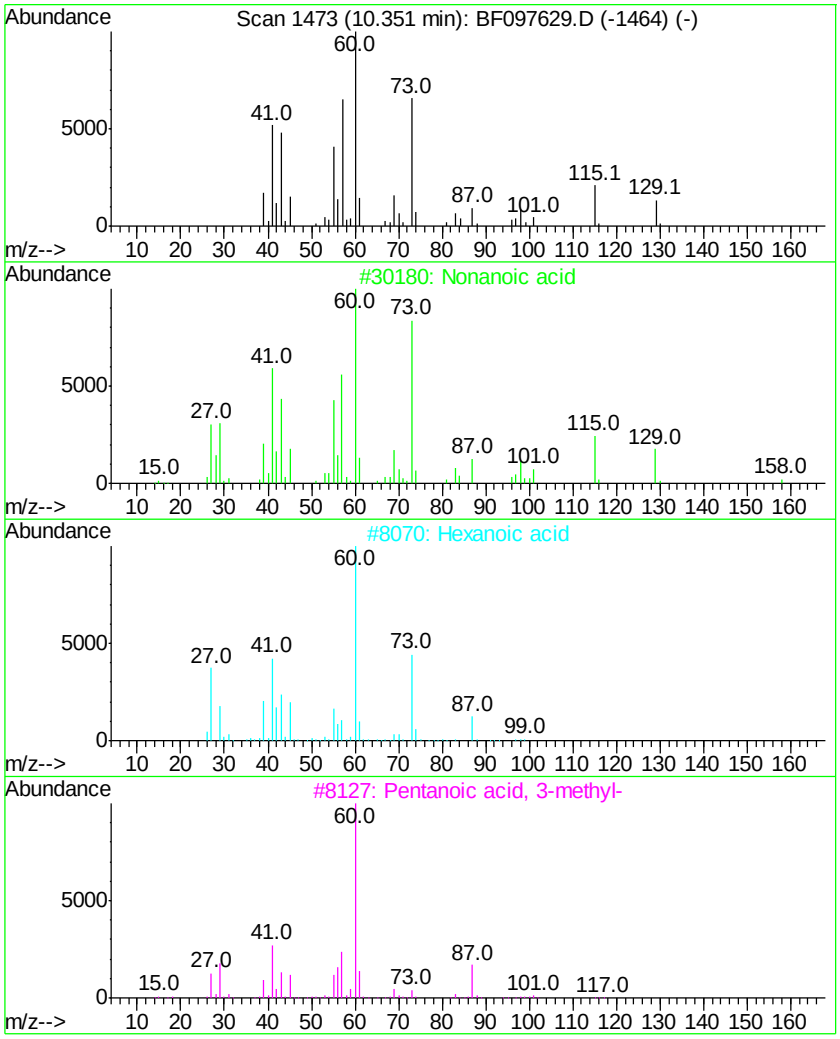
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

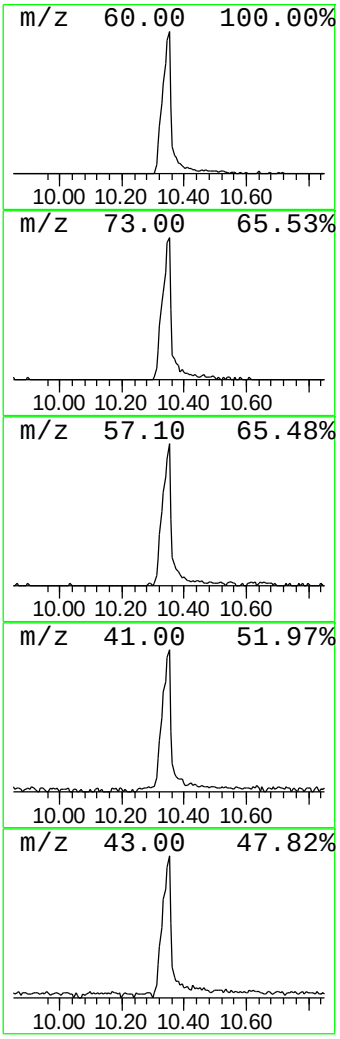
****

Peak Number 2 Nonanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	9.65 ng	362812	Naphthalene-d8	9.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanoic acid	158	C9H18O2	000112-05-0	59
2	Hexanoic acid	116	C6H12O2	000142-62-1	50
3	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	50
4	Octanoic acid, silver(1+) salt	250	C8H15AgO2	024927-67-1	42
5	Octanoic acid	144	C8H16O2	000124-07-2	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097629.D
Acq On : 12 Aug 2017 9:52
Operator : SJ/JU
Sample : I4723-03 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ELECTRICAL-UNIT-BUS-SUPPORT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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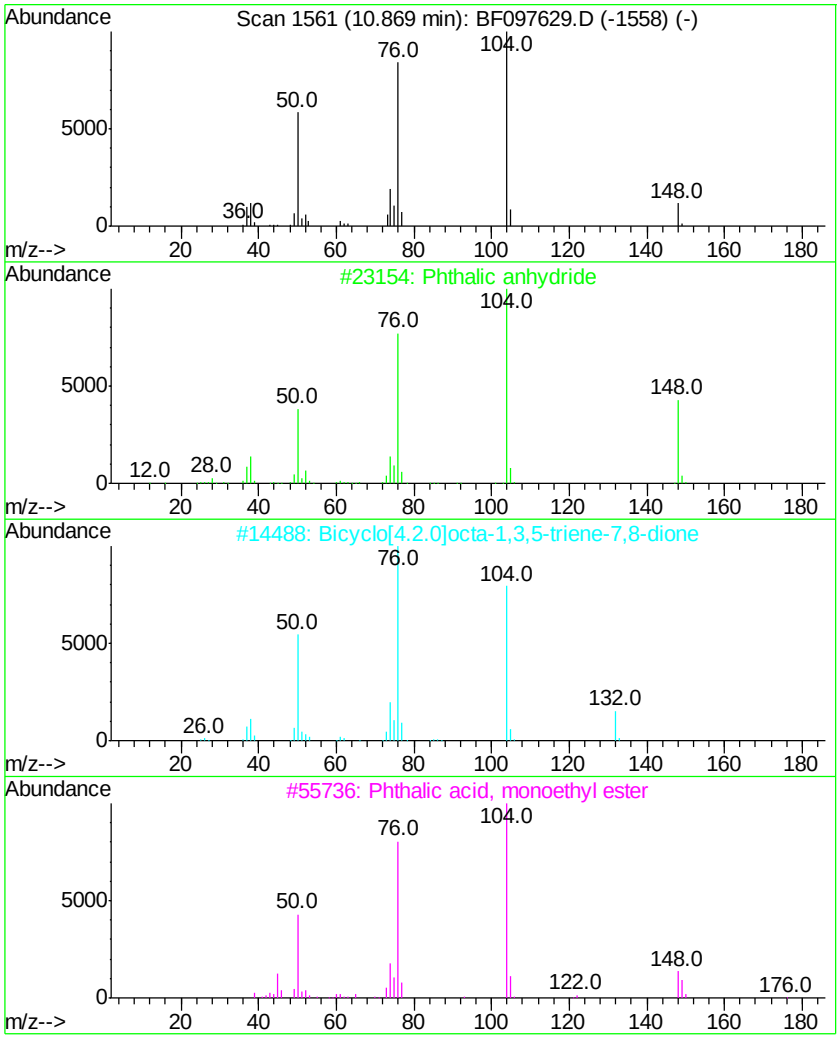
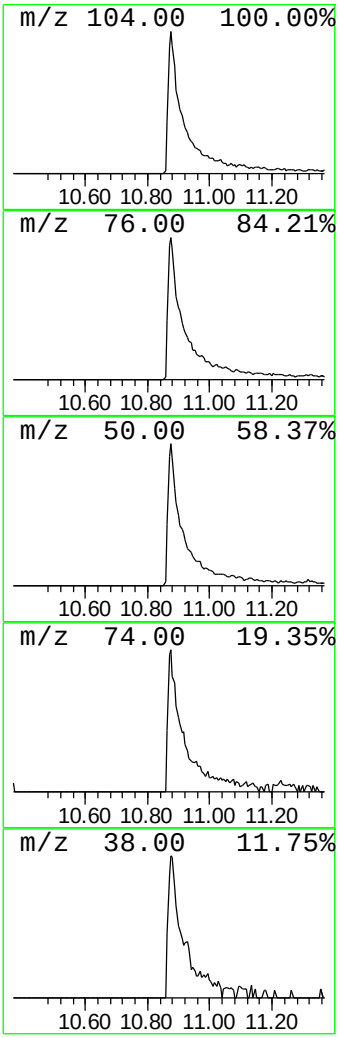
Peak Number 3 Phthalic anhydride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	14.79 ng	555864	Naphthalene-d8	9.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic anhydride	148	C8H4O3	000085-44-9	89
2	Bicyclo[4.2.0]octa-1,3,5-triene-...	132	C8H4O2	006383-11-5	86
3	Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	83
4	Methyl hydrogen phthalate	180	C9H8O4	004376-18-5	74
5	1,2-Benzenedicarboxylic acid	166	C8H6O4	000088-99-3	45





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Acq On : 12 Aug 2017 9:52
Operator : SJ/JU
Sample : I4723-03 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ELECTRICAL-UNIT-BUS-SUPPORT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

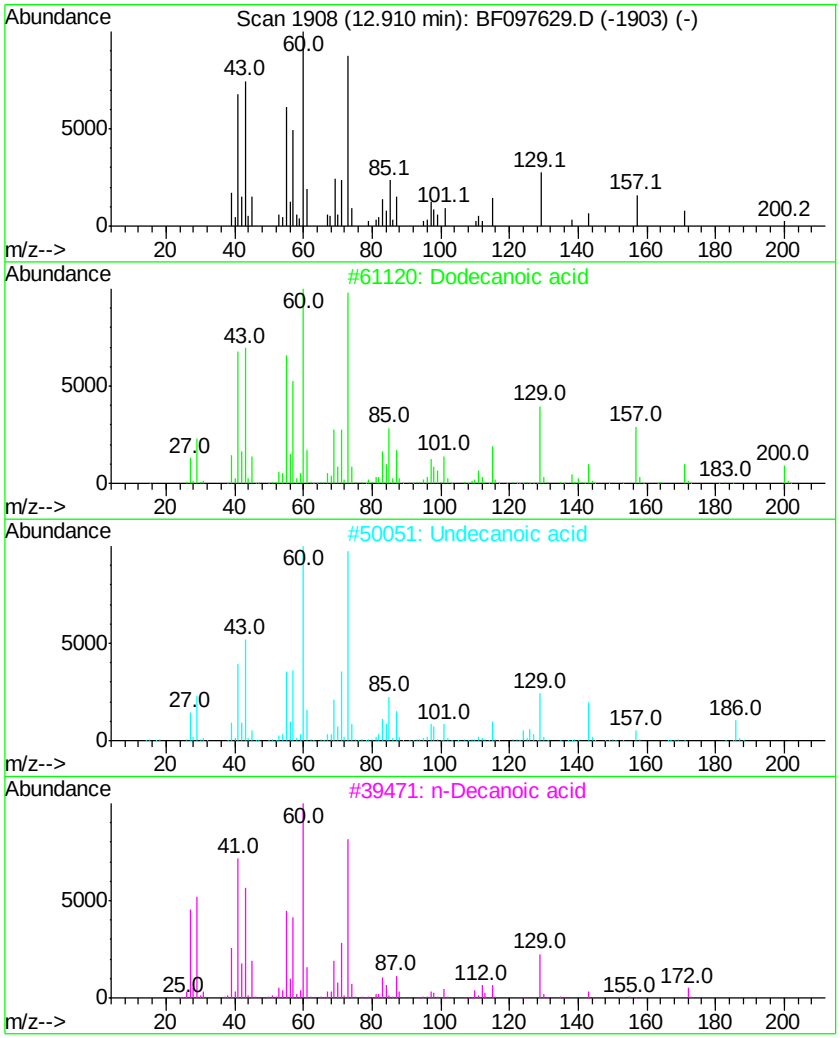
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

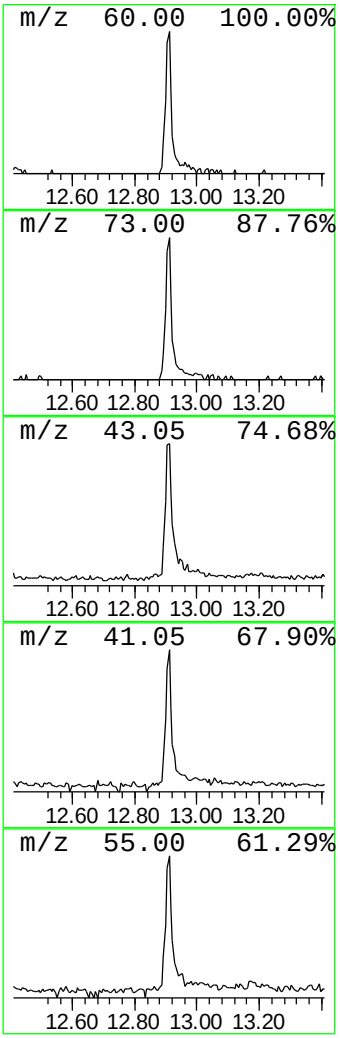
****

Peak Number 4 Dodecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	5.00 ng	157166	Acenaphthene-d10	12.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	97
2	Undecanoic acid	186	C11H22O2	000112-37-8	80
3	n-Decanoic acid	172	C10H20O2	000334-48-5	53
4	Hexanoic acid	116	C6H12O2	000142-62-1	38
5	.beta.-D-Glucopyranoside, 4-nitr...	301	C12H15NO8	002492-87-7	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097629.D
Acq On : 12 Aug 2017 9:52
Operator : SJ/JU
Sample : I4723-03 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ELECTRICAL-UNIT-BUS-SUPPORT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

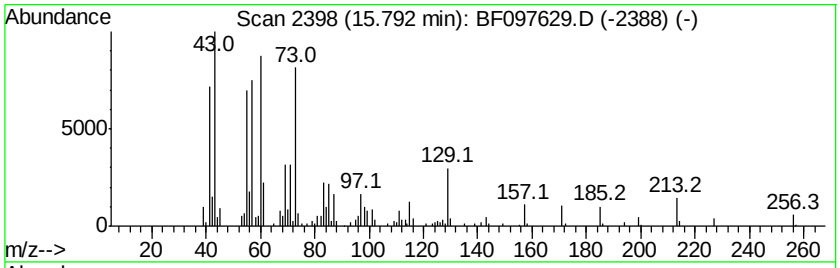
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

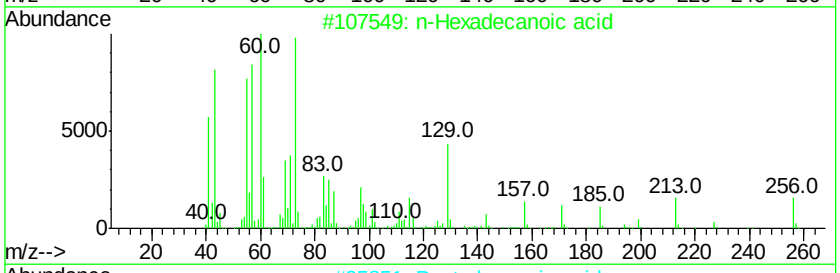
****

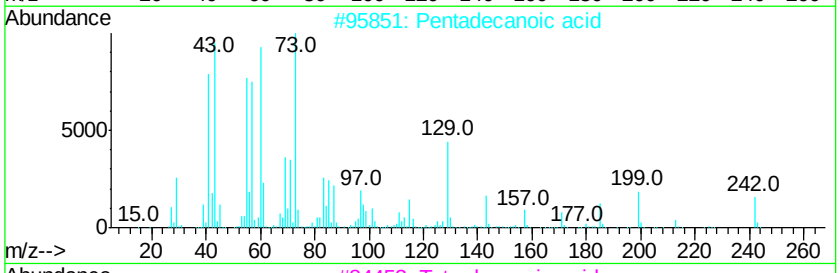
Peak Number 5 n-Hexadecanoic acid Concentration Rank 1

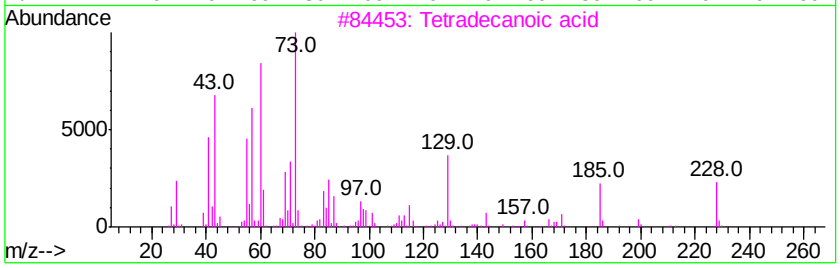
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	38.18 ng	1007960	Phenanthrene-d10	14.76

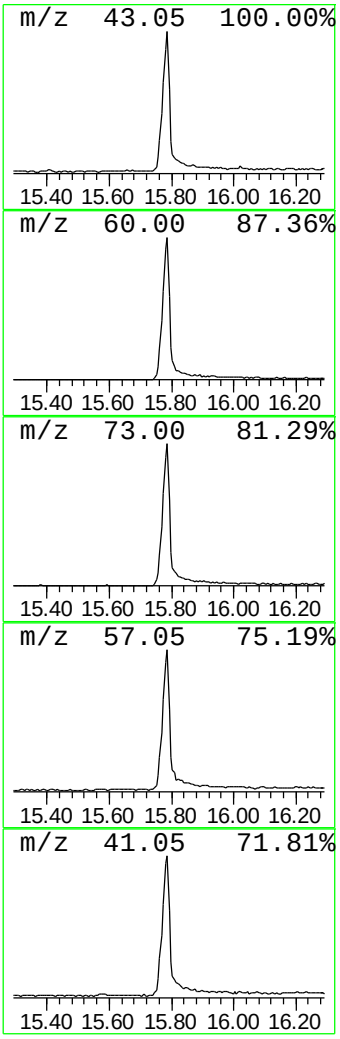
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	Tridecanoic acid	214	C13H26O2	000638-53-9	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58











Library Search Compound Report

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Operator : SJ/JU
Sample : I4723-03 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ELECTRICAL-UNIT-BUS-SUPPORT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

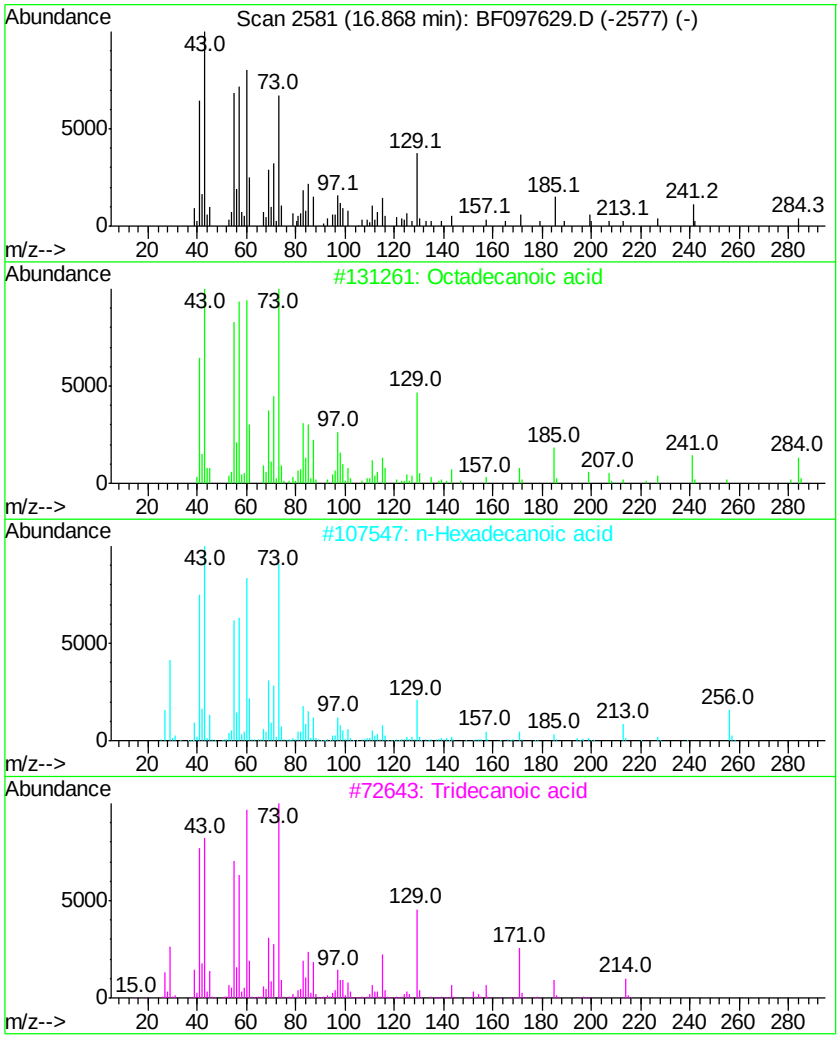
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

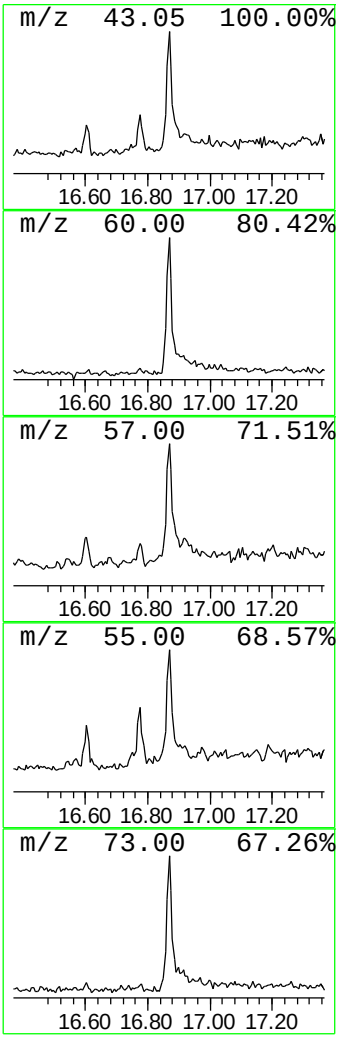
****

Peak Number 6 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	6.39 ng	160159	Chrysene-d12	18.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	94
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	58





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

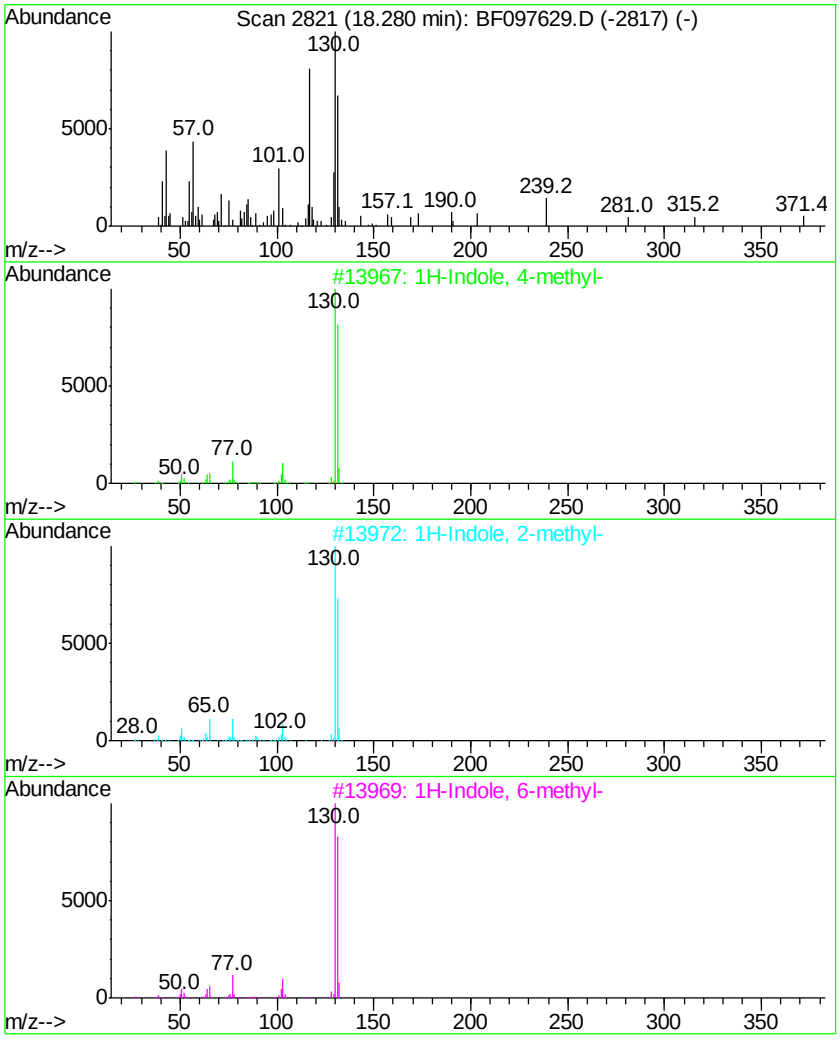
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

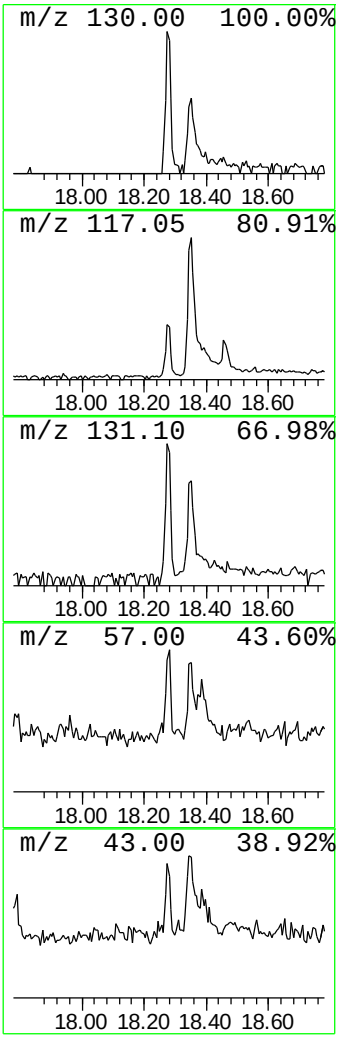
****

Peak Number 7 unknown18.28 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	2.50 ng	62630	Chrysene-d12	18.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 4-methyl-	131	C9H9N	016096-32-5	43
2	1H-Indole, 2-methyl-	131	C9H9N	000095-20-5	43
3	1H-Indole, 6-methyl-	131	C9H9N	003420-02-8	43
4	1H-Indole, 3-methyl-	131	C9H9N	000083-34-1	38
5	1H-Indole, 5-methyl-	131	C9H9N	000614-96-0	38





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Operator : SJ/JU
Sample : I4723-03 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ELECTRICAL-UNIT-BUS-SUPPORT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

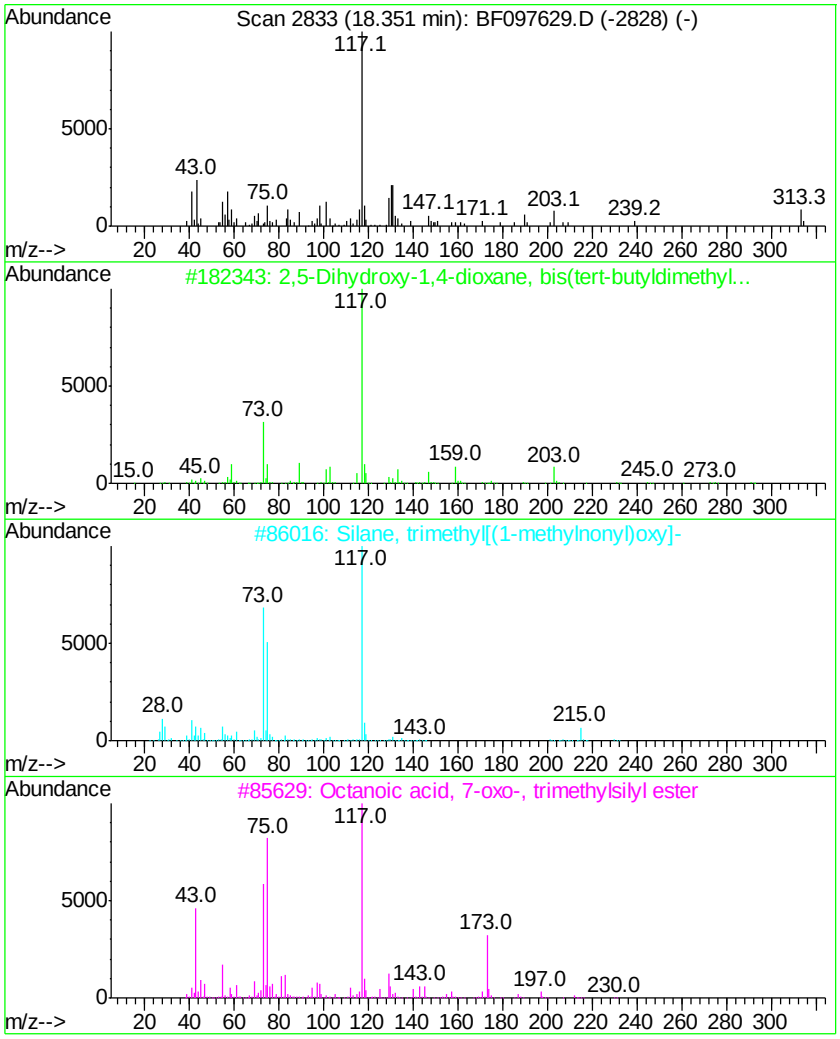
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

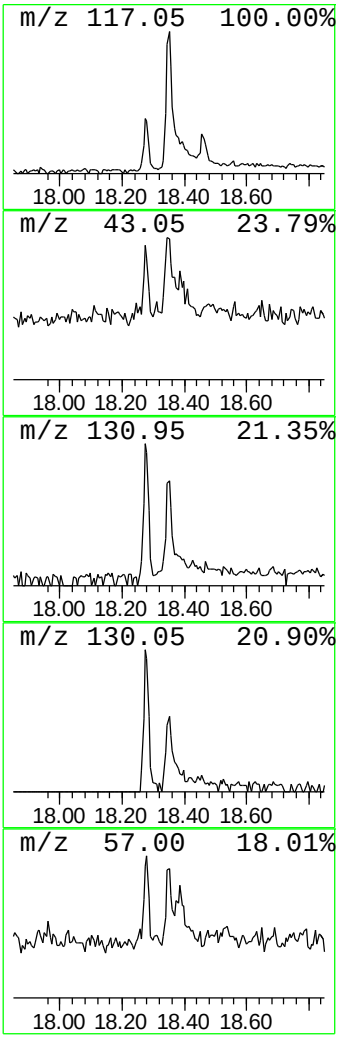
****

Peak Number 8 2,5-Dihydroxy-1,4-dioxane, ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	5.37 ng	134560	Chrysene-d12	18.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dihydroxy-1,4-dioxane, bis(t...	348	C16H36O4Si2	1000364-77-2	50
2	Silane, trimethyl[(1-methylnonyl...	230	C13H30OSi	053690-77-0	43
3	Octanoic acid, 7-oxo-, trimethyl...	230	C11H22O3Si	1000153-55-3	40
4	Methyl 2,2-dimethyl-3,6,9,12,15,...	470	C20H42O10Si	1000366-82-2	38
5	Indole	117	C8H7N	000120-72-9	38





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Instrument : BNA_F
ClientSampleId : ELECTRICAL-UNIT-BUS-SUPPORT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

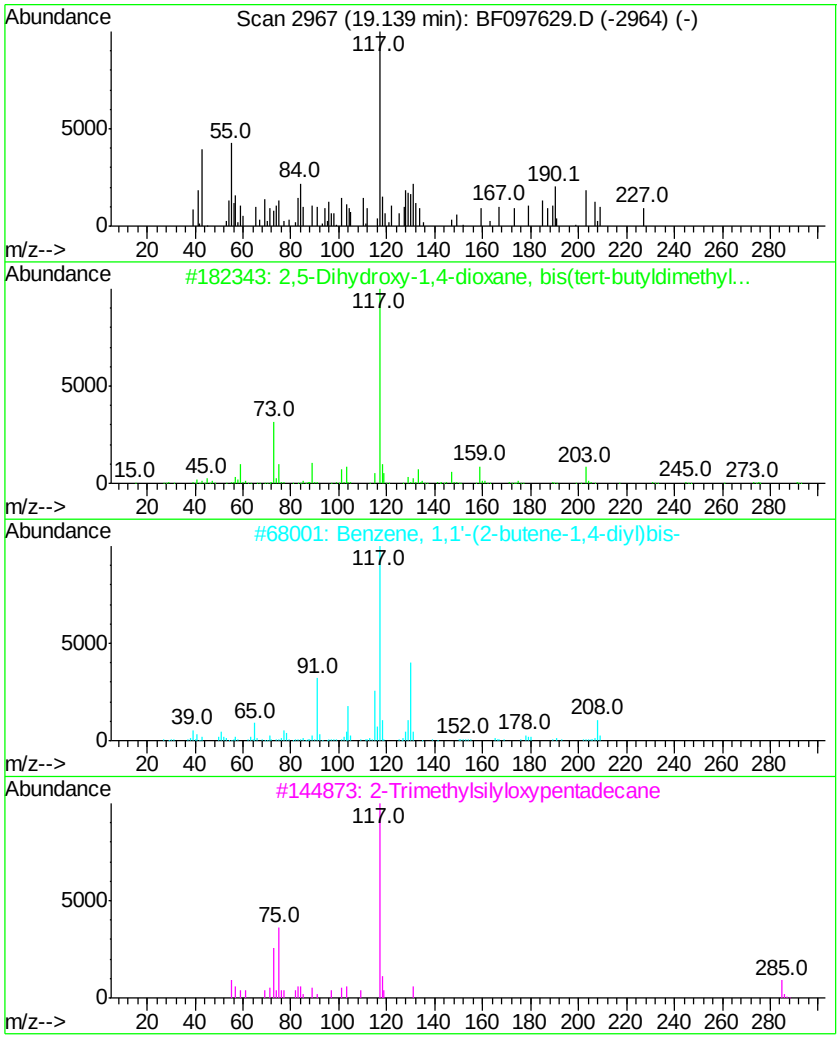
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

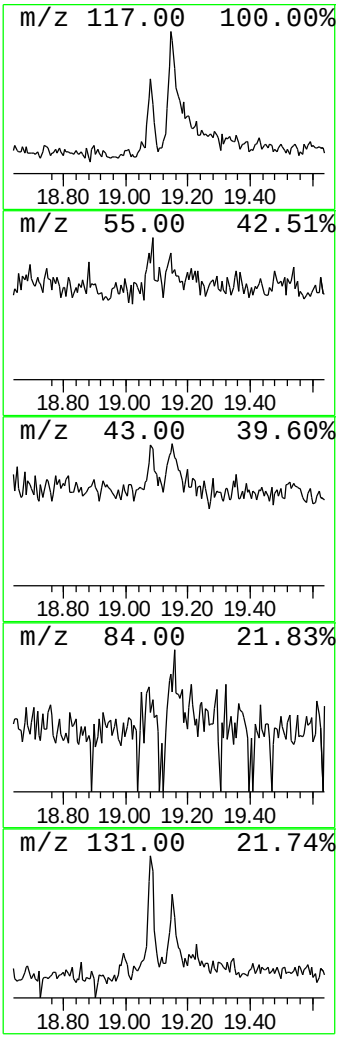
****

Peak Number 9 unknown19.14 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	2.26 ng	56568	Chrysene-d12	18.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dihydroxy-1,4-dioxane, bis(t...	348	C16H36O4Si2	1000364-77-2	37
2	Benzene, 1,1'-(2-butene-1,4-diyl...	208	C16H16	013657-49-3	33
3	2-Trimethylsilyloxypentadecane	300	C18H40OSi	122825-95-0	32
4	p-Heptylbenzonitrile	201	C14H19N	060484-67-5	32
5	1H-Indene, 1-hexadecyl-2,3-dihydro-	342	C25H42	055334-29-7	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081117\
Data File : BF097629.D
Acq On : 12 Aug 2017 9:52
Operator : SJ/JU
Sample : I4723-03 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ELECTRICAL-UNIT-BUS-SUPPORT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Octanoic acid	9.40	8.9	ng	333916	2	9.54	751843	20.0
Nonanoic acid	10.35	9.7	ng	362812	2	9.54	751843	20.0
Phthalic anhydride	10.87	14.8	ng	555864	2	9.54	751843	20.0
Dodecanoic acid	12.91	5.0	ng	157166	3	12.36	628807	20.0
n-Hexadecanoic acid	15.79	38.2	ng	1007960	4	14.76	528061	20.0
Octadecanoic acid	16.87	6.4	ng	160159	5	18.46	501542	20.0
unknown18.28	18.28	2.5	ng	62630	5	18.46	501542	20.0
2,5-Dihydroxy-1,4...	18.35	5.4	ng	134560	5	18.46	501542	20.0
unknown19.14	19.14	2.3	ng	56568	5	18.46	501542	20.0