LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

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_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064063.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.453	393	402	415	rBV	457818	730979	21.53%	5.180%
2	7.028	663	670	682	rBV	334594	571358	16.83%	4.049%
3	7.862	806	812	818	rBV	154941	257909	7.60%	1.828%
4	7.932	818	824	830	rVB	76034	120776	3.56%	0.856%
5	9.014	998	1008	1017	rBV	510352	903170	26.61%	6.401%
6	9.155	1027	1032	1043	rBV7	14393	36125	1.06%	0.256%
7	10.653	1279	1287	1295	rBV	208775	368138	10.84%	2.609%
8	11.546	1428	1439	1451	rBV2	153839	313984	9.25%	2.225%
9	13.115	1698	1706	1712	rBV	1334693	1996785	58.82%	14.151%
10	14.489	1933	1940	1947	rVB	336863	530790	15.64%	3.762%
11	15.300	2072	2078	2084	rBV4	24302	36780	1.08%	0.261%
12	15.847	2166	2171	2177	rVB	37679	54630	1.61%	0.387%
13	15.970	2185	2192	2202	rBV	1053502	1629722	48.01%	11.550%
14	17.227	2400	2406	2417	rBV	450989	671593	19.78%	4.760%
15	18.132	2554	2560	2567	rBV3	57970	95824	2.82%	0.679%
16	19.301	2754	2759	2764	rVB3	26081	39344	1.16%	0.279%
17	19.407	2773	2777	2783	rBV6	32733	47860	1.41%	0.339%
18	19.548	2796	2801	2812	rBV	697446	836344	24.64%	5.927%
19	19.854	2846	2853	2864	rBV	2365272	3394646	100.00%	24.058%
20	21.458	3120	3126	3137	rBV	462902	741526	21.84%	5.255%
21	24.478	3630	3640	3649	rBV2	270171	732084	21.57%	5.188%

Sum of corrected areas: 14110367

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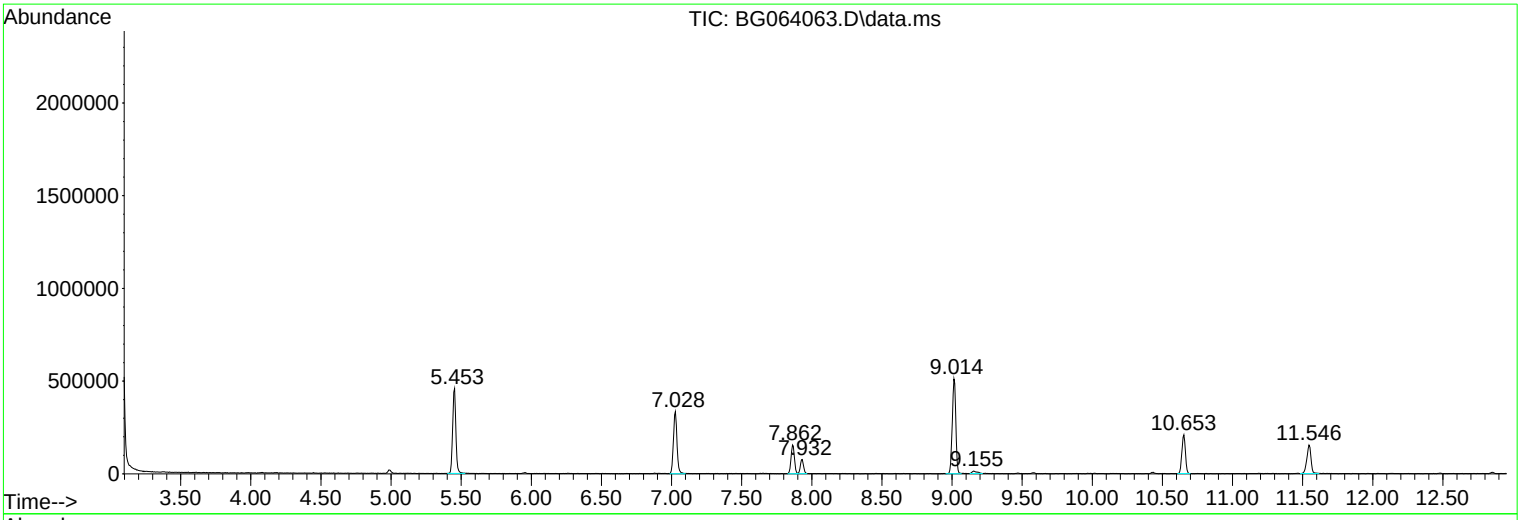
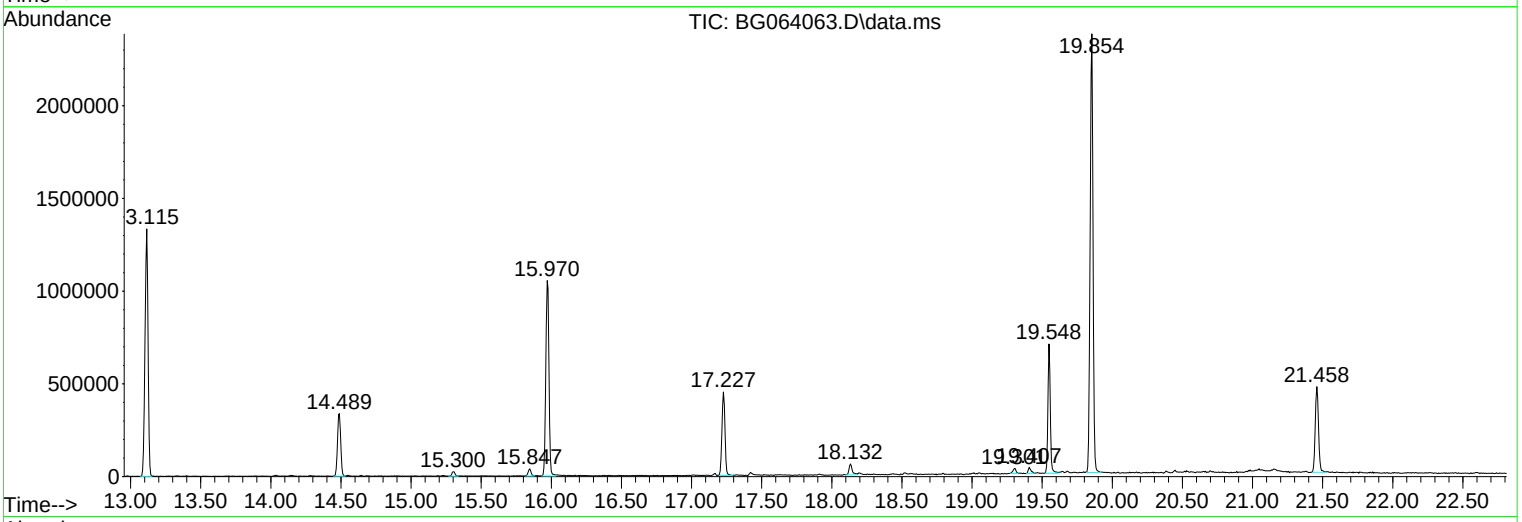
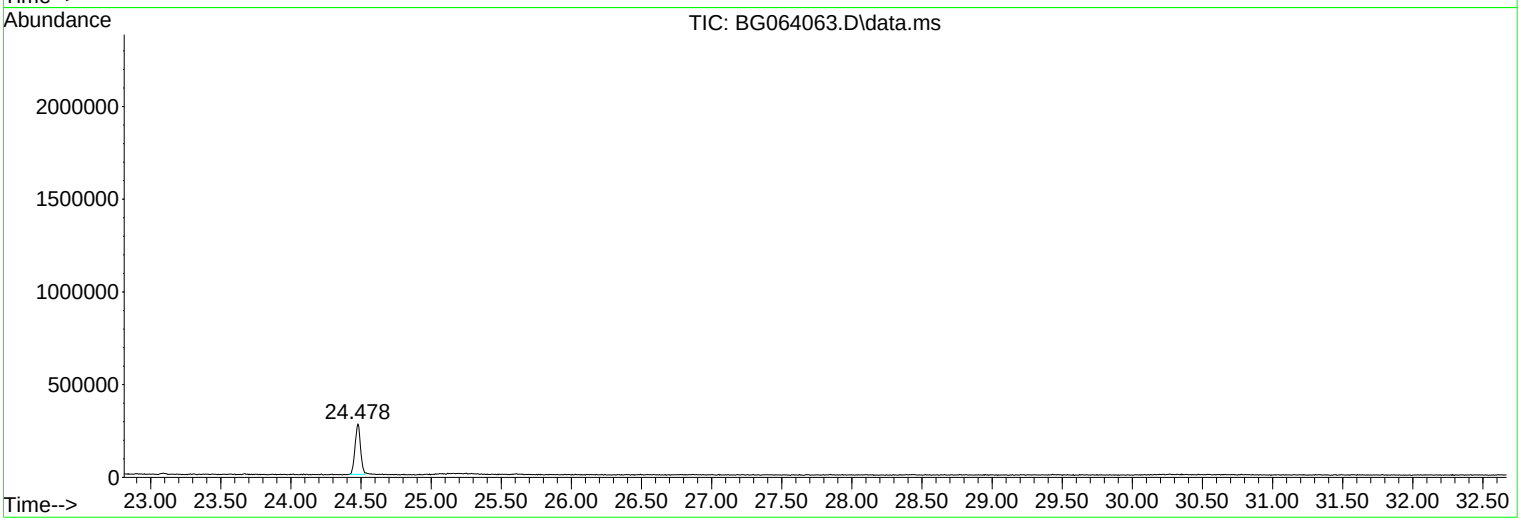
Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







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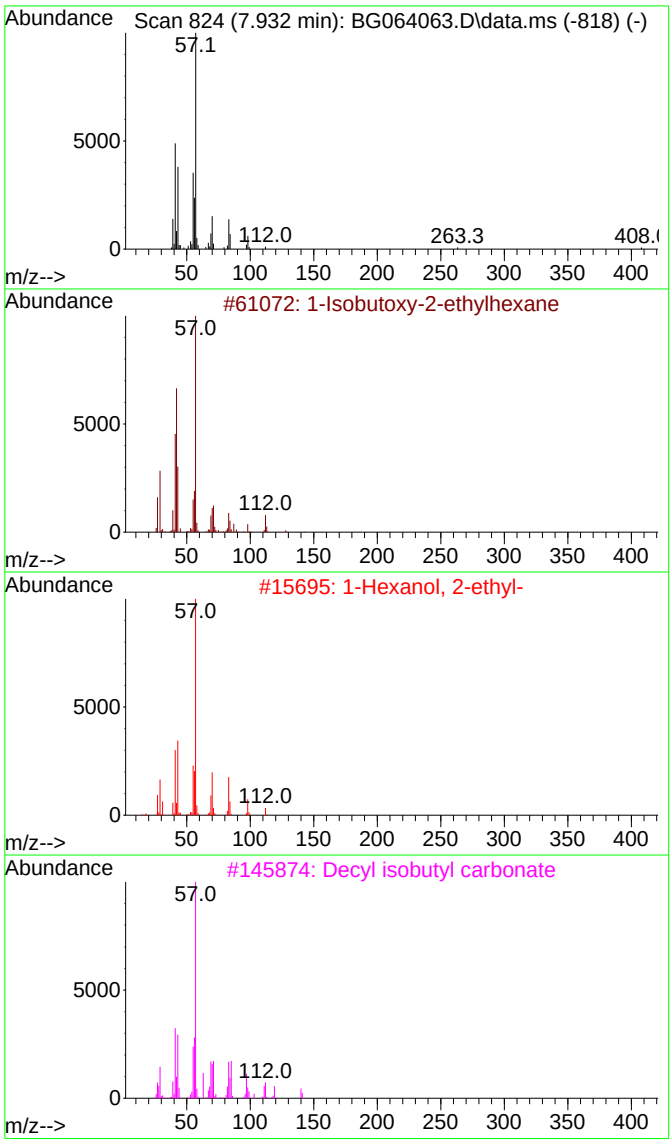
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

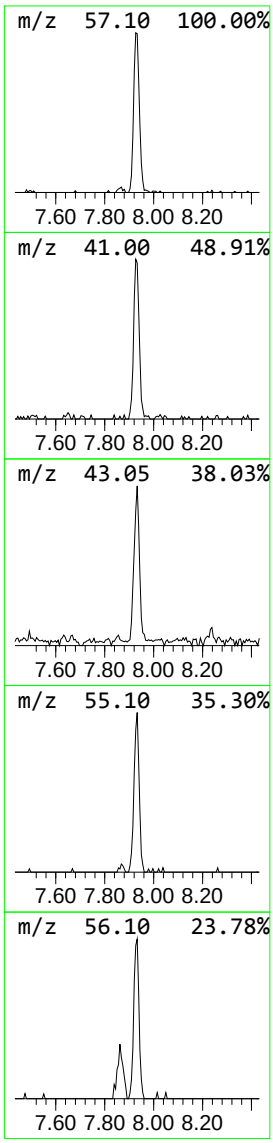
****

Peak Number 1 1-Isobutoxy-2-ethylhexane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.932	9.37 ng	120776	1,4-Dichlorobenzene-d4	7.862

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	72
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
3	Decyl isobutyl carbonate	258	C15H30O3	959226-07-4	56
4	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	53
5	1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	50





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Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-105-GW01

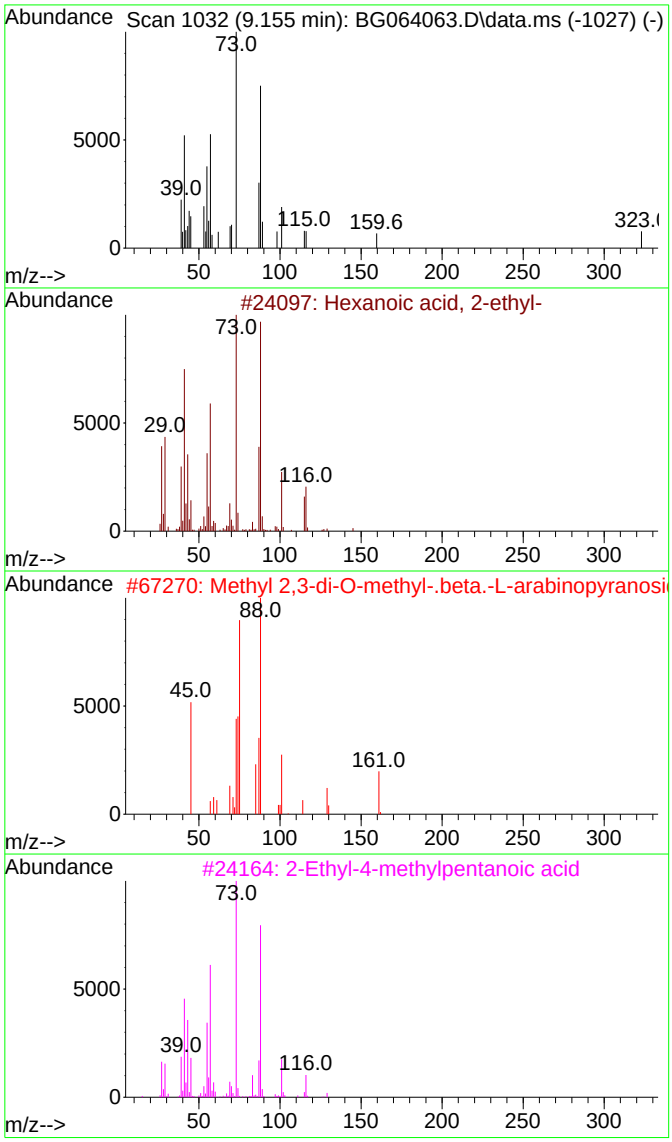
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

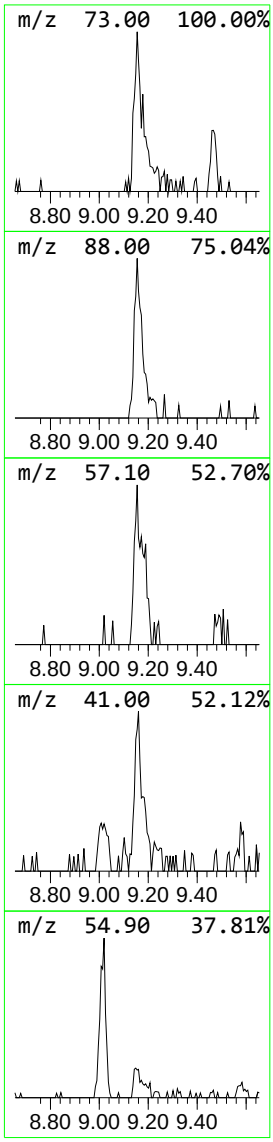
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Hexanoic acid, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.155	2.80 ng	36125	1,4-Dichlorobenzene-d4	7.862

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	59
2	Methyl 2,3-di-O-methyl-.beta.-L-...	192	C8H16O5	053989-92-7	42
3	2-Ethyl-4-methylpentanoic acid	144	C8H16O2	000108-81-6	42
4	Heptanoic acid, ethyl ester	158	C9H18O2	000106-30-9	38
5	Pentanoic acid, ethyl ester	130	C7H14O2	000539-82-2	37





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Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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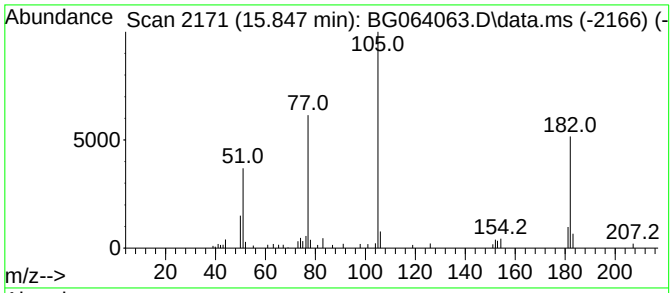
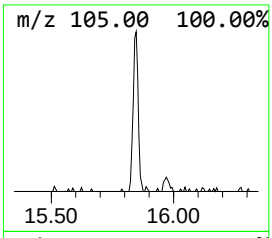
****

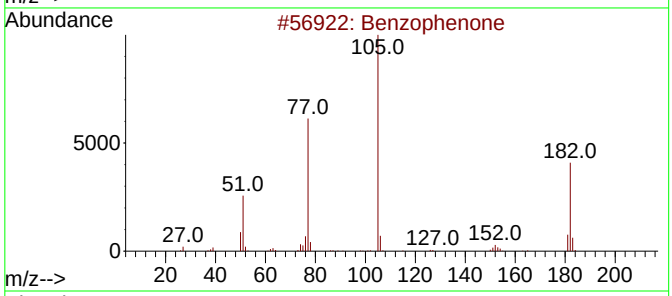
Peak Number 3 Benzophenone Concentration Rank 5

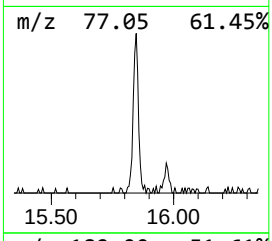
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.847	2.06 ng	54630	Acenaphthene-d10	14.484

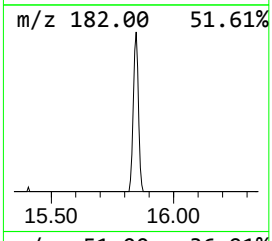
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
3	Benzenecarbothioic acid	138	C7H6OS	000098-91-9	43
4	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	43
5	S-Benzoyl(thiohydroxylamine)	153	C7H7NOS	025740-80-1	43

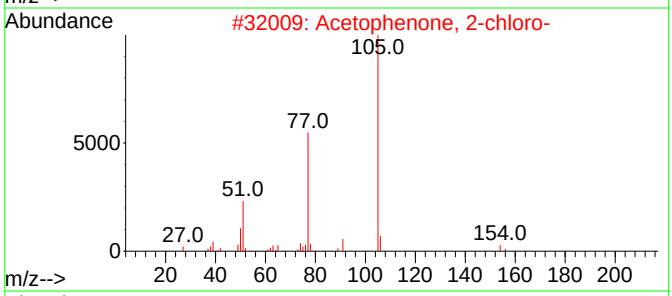


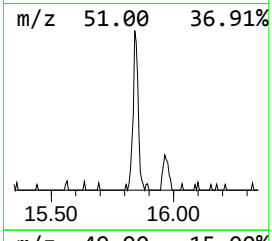


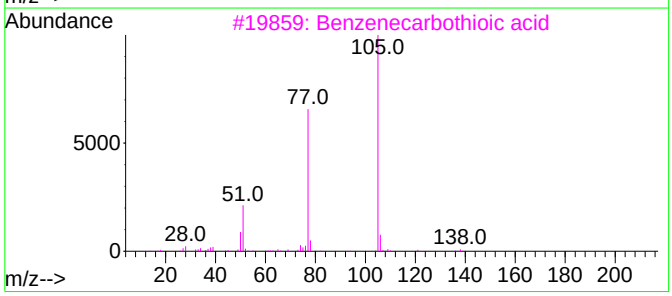


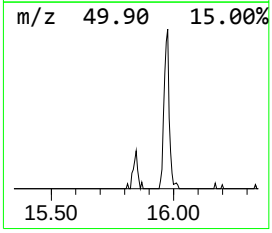












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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

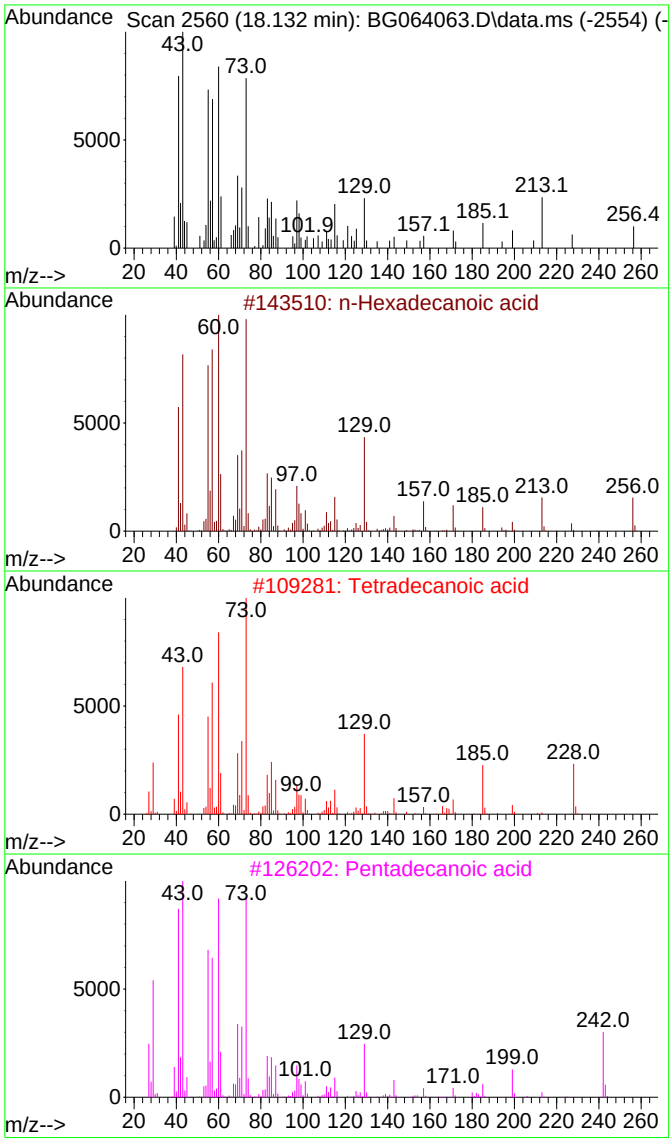
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

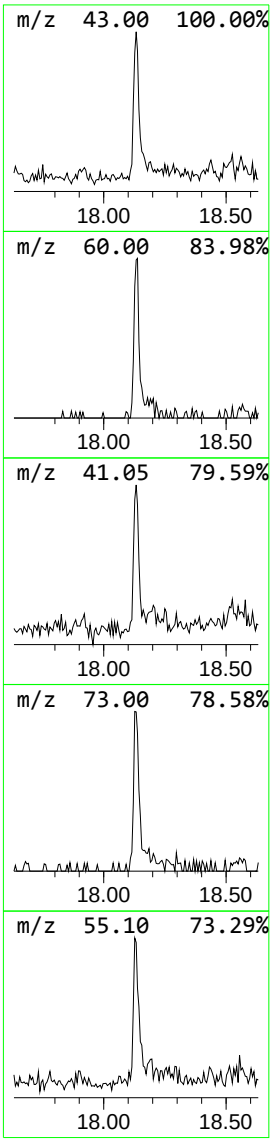
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.132	2.85 ng	95824	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	50
4	Undecanoic acid	186	C11H22O2	000112-37-8	50
5	n-Decanoic acid	172	C10H20O2	000334-48-5	43





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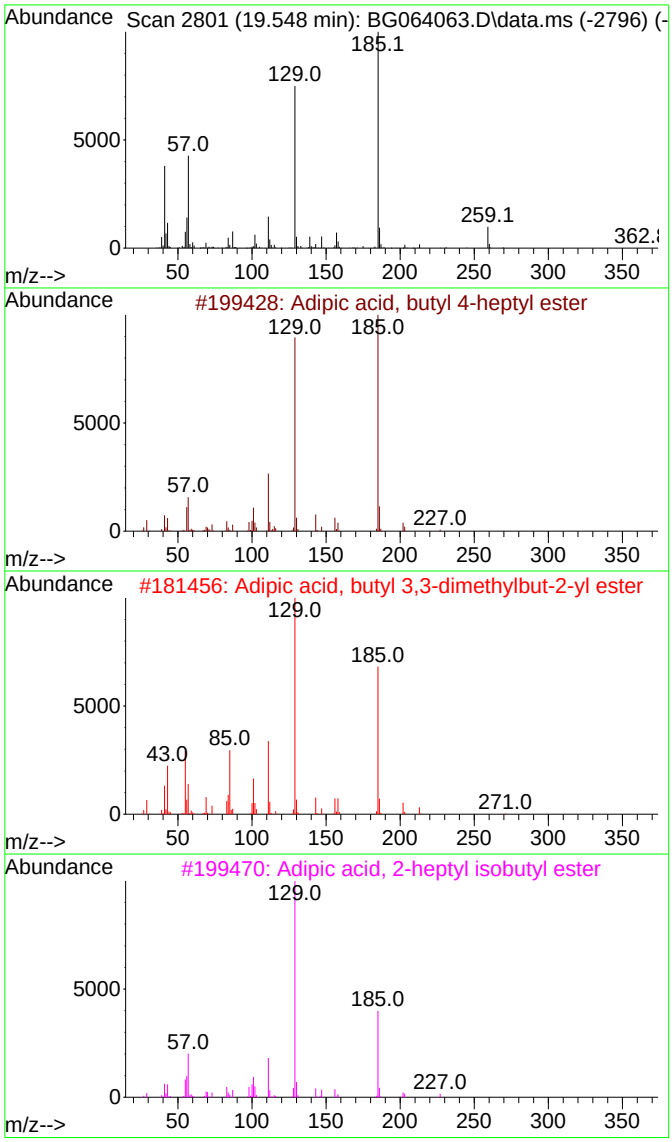
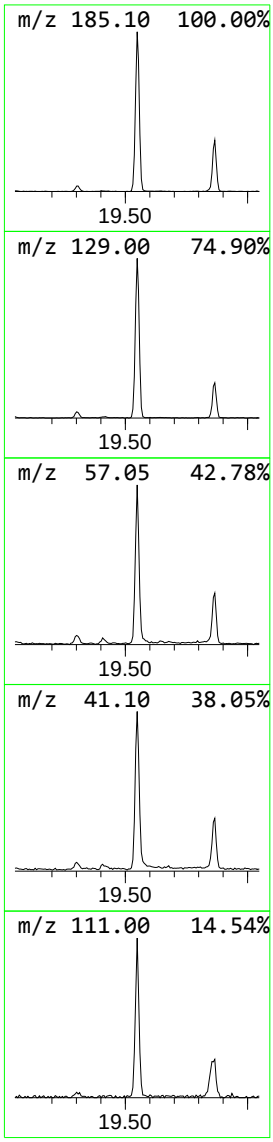
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Adipic acid, butyl 4-heptyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.548	22.56 ng	836344	Chrysene-d12	21.458

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adipic acid, butyl 4-heptyl ester	300	C17H32O4	1000349-73-7	72
2	Adipic acid, butyl 3,3-dimethylb...	286	C16H30O4	1000353-66-8	72
3	Adipic acid, 2-heptyl isobutyl e...	300	C17H32O4	1000353-64-3	72
4	Butyl citrate	360	C18H32O7	000077-94-1	72
5	Adipic acid, 2-hexyl isobutyl ester	286	C16H30O4	1000353-70-9	72





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Isobutoxy-2-e...	7.932	9.4	ng	120776	1	7.862	257909	20.0
Hexanoic acid, ...	9.155	2.8	ng	36125	1	7.862	257909	20.0
Benzophenone	15.847	2.1	ng	54630	3	14.484	530790	20.0
n-Hexadecanoic ...	18.132	2.9	ng	95824	4	17.227	671593	20.0
Adipic acid, bu...	19.548	22.6	ng	836344	5	21.458	741526	20.0