LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112221\
Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

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_P\Methods\8270E-BP111921.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008082.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.028	3	7	12	rBV	719530	920068	15.08%	2.489%
2	3.075	12	15	22	rVB	52635	70312	1.15%	0.190%
3	4.946	328	333	344	rVB	248711	342817	5.62%	0.927%
4	5.411	405	412	425	rBV	2016619	2987881	48.97%	8.082%
5	6.999	675	682	701	rBV	1869157	3108711	50.95%	8.409%
6	7.822	814	822	830	rBV	512392	802478	13.15%	2.171%
7	8.981	1010	1019	1030	rBV	1174321	1991198	32.63%	5.386%
8	10.404	1254	1261	1283	rBV	184065	368501	6.04%	0.997%
9	10.616	1288	1297	1307	rBV	642068	1074394	17.61%	2.906%
10	13.087	1709	1717	1728	rBV	2662791	4037492	66.17%	10.922%
11	13.369	1759	1765	1773	rBV	309087	472947	7.75%	1.279%
12	14.122	1887	1893	1902	rBV2	35693	70959	1.16%	0.192%
13	14.463	1944	1951	1959	rBV	951117	1405330	23.03%	3.802%
14	15.287	2084	2091	2095	rBV2	40054	83124	1.36%	0.225%
15	15.957	2199	2205	2213	rBV	2056947	2990232	49.01%	8.089%
16	17.222	2412	2420	2425	rBV	1170474	1718604	28.17%	4.649%
17	17.904	2531	2536	2541	rVB	158391	190590	3.12%	0.516%
18	18.122	2568	2573	2579	rBV	297616	441344	7.23%	1.194%
19	18.951	2709	2714	2720	rBV	60518	105232	1.72%	0.285%
20	19.033	2724	2728	2732	rVB	453557	511052	8.38%	1.382%
21	19.163	2747	2750	2755	rVB	185904	217388	3.56%	0.588%
22	19.239	2759	2763	2766	rBV	47283	68417	1.12%	0.185%
23	19.351	2779	2782	2790	rBV	115376	162539	2.66%	0.440%
24	19.786	2851	2856	2865	rBV	4790494	6101823	100.00%	16.506%
25	20.063	2900	2903	2907	rBV2	112409	157995	2.59%	0.427%
26	20.416	2959	2963	2967	rBV2	146237	177636	2.91%	0.481%
27	20.469	2968	2972	2979	rVB2	126633	164469	2.70%	0.445%
28	20.539	2981	2984	2987	rBV	102778	100017	1.64%	0.271%
29	21.033	3064	3068	3075	rBV2	452976	662055	10.85%	1.791%
30	21.098	3075	3079	3085	rVB	214537	271123	4.44%	0.733%
31	21.233	3099	3102	3109	rVB	153548	173206	2.84%	0.469%
32	21.316	3110	3116	3120	rBV	1728620	2349403	38.50%	6.355%
33	21.351	3120	3122	3128	rVB	170573	231551	3.79%	0.626%
34	22.157	3256	3259	3264	rVB	143999	185001	3.03%	0.500%
35	23.716	3517	3524	3534	rVB2	1095466	2251597	36.90%	6.091%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112221\
Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

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_P\Methods\8270E-BP111921.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

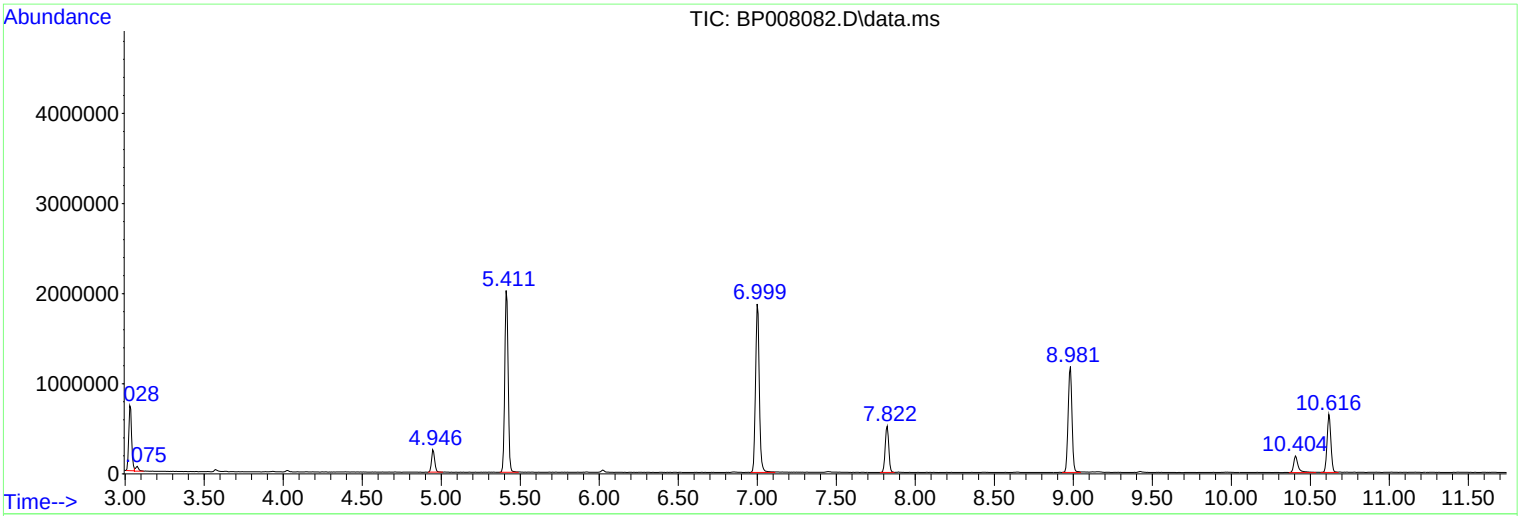
Sum of corrected areas: 36967486

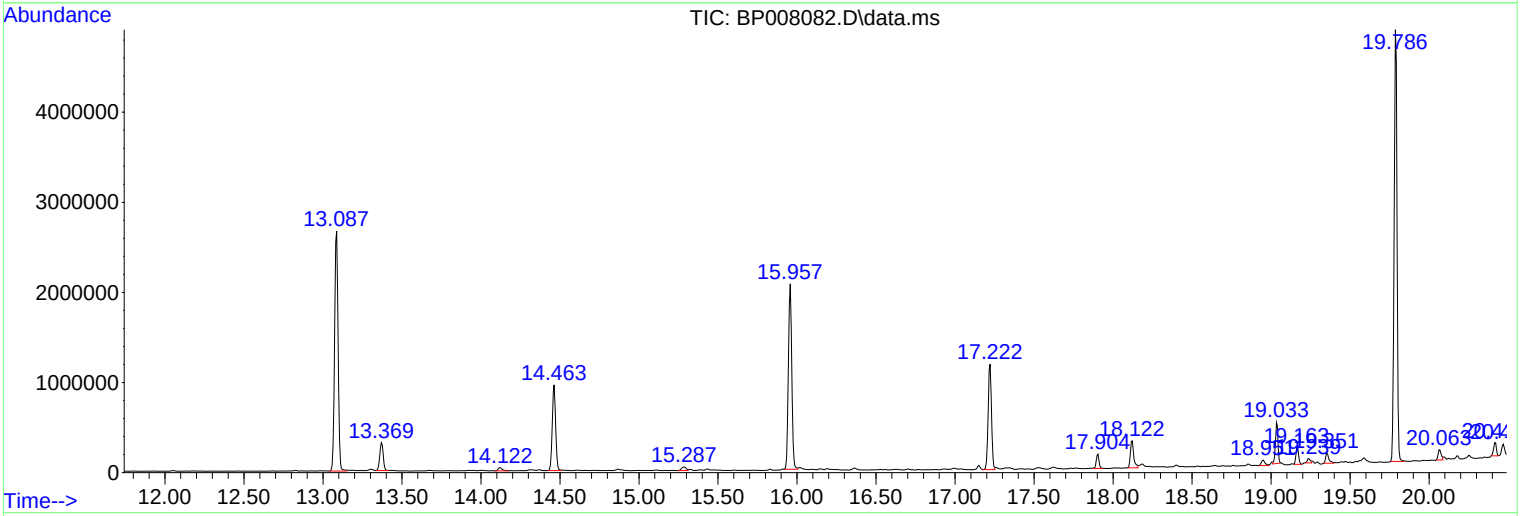
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112221\
Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

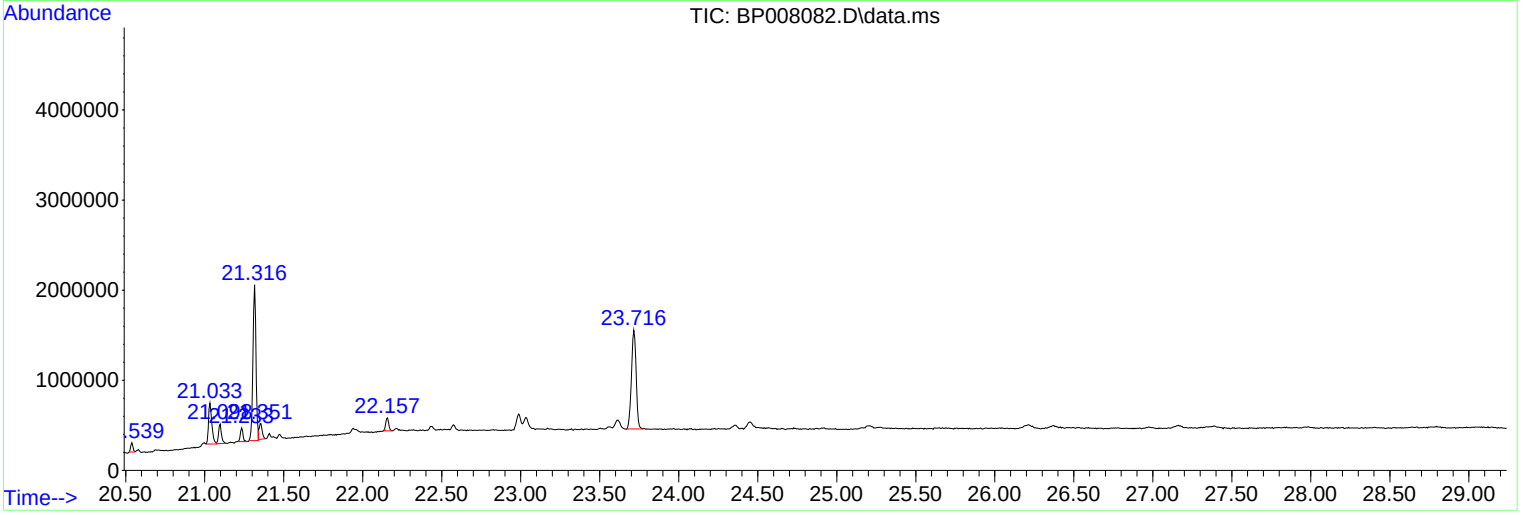
Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112221\
Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

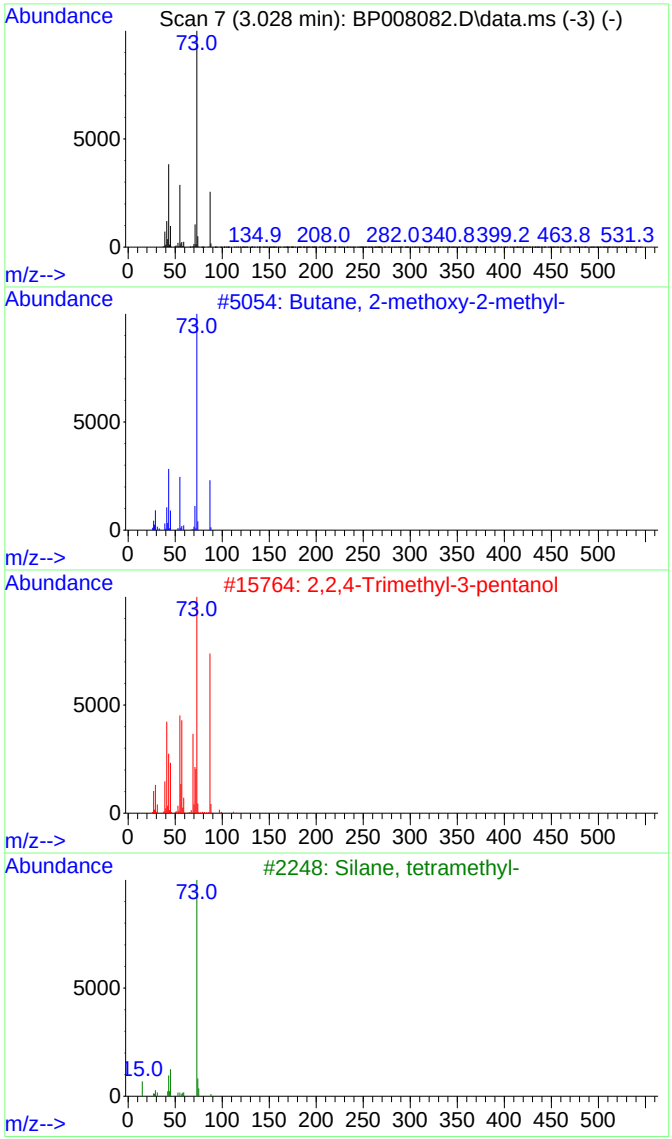
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

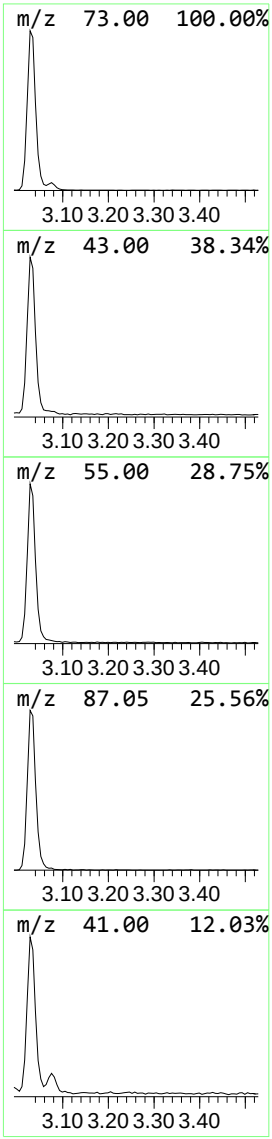
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.028	22.93 ng	920068	1,4-Dichlorobenzene-d4	7.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112221\
Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

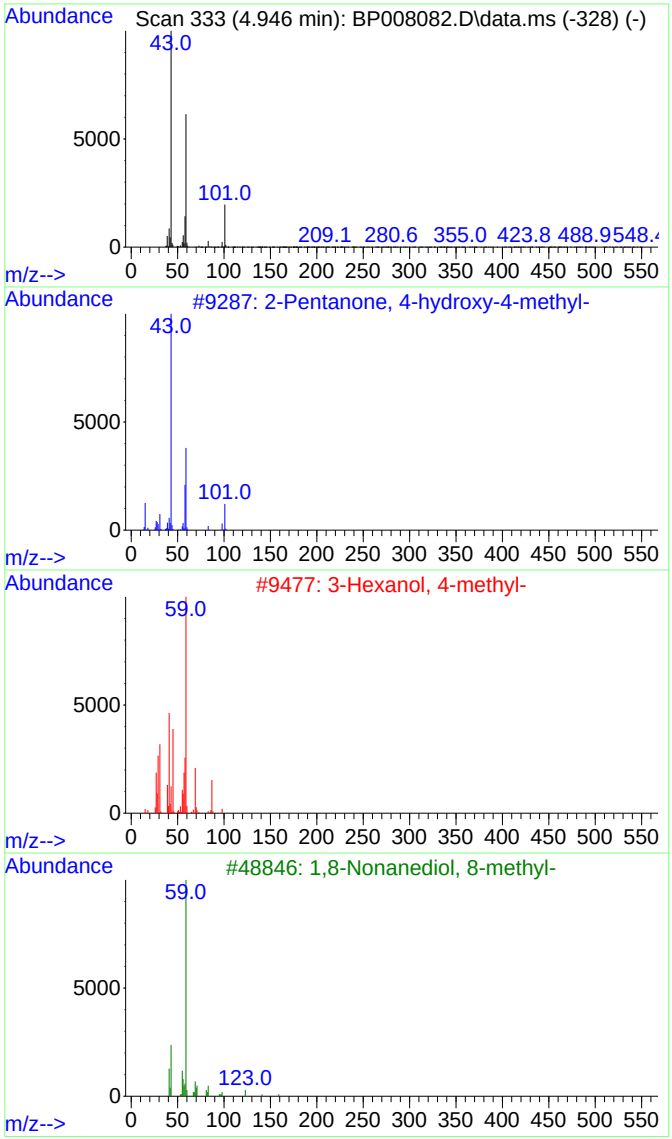
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

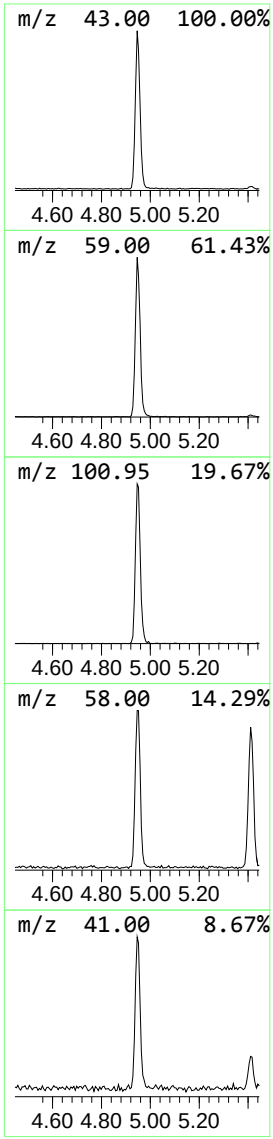
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.946	8.54 ng	342817	1,4-Dichlorobenzene-d4	7.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Formamide, N,N-diethyl-	101	C5H11NO	000617-84-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112221\
Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

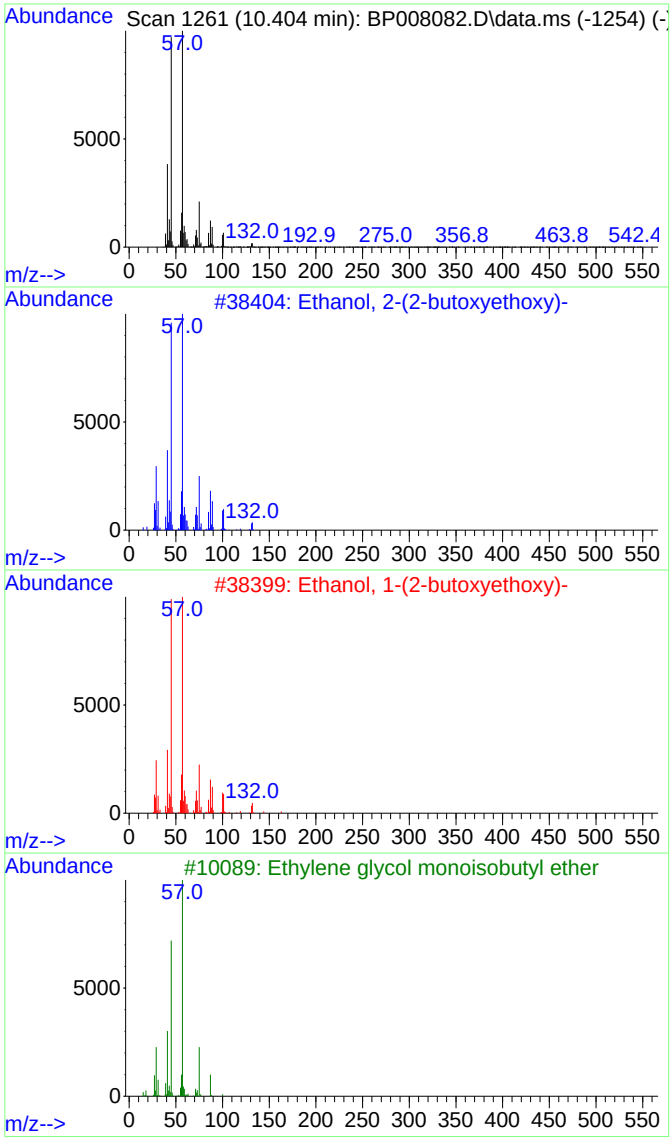
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

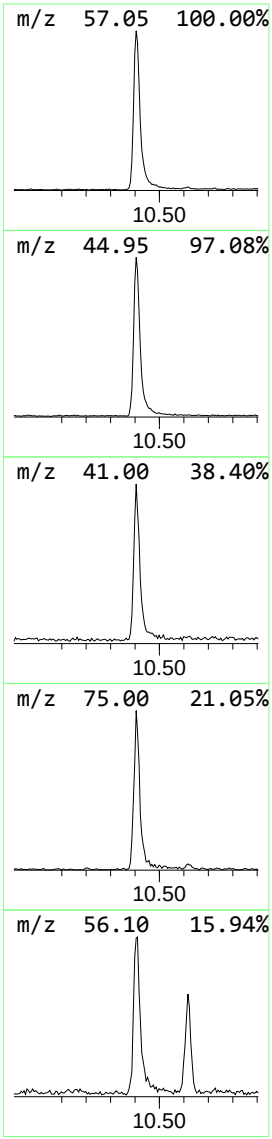
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.405	6.86 ng	368501	Naphthalene-d8	10.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	83
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
5	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112221\
Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

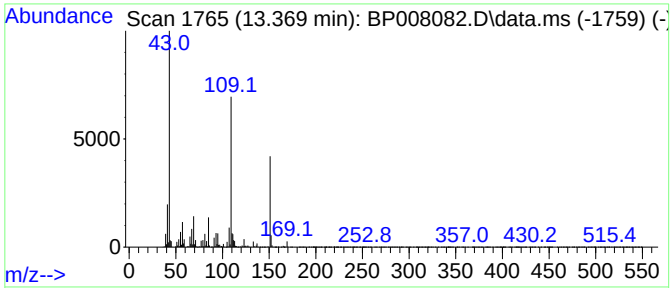
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

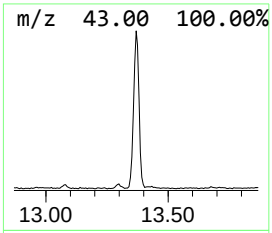
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

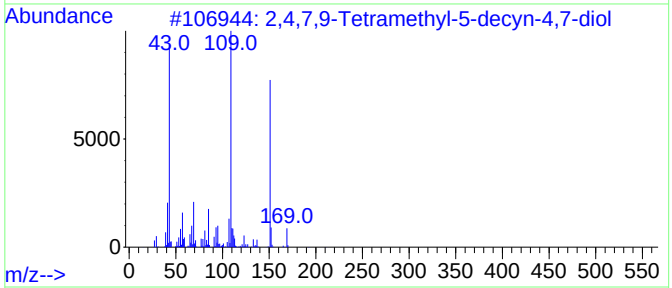
****
Peak Number 4 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 4

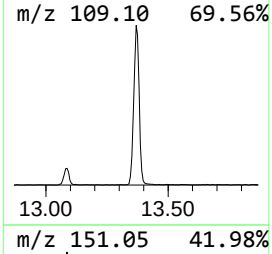
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.369	6.73 ng	472947	Acenaphthene-d10	14.463

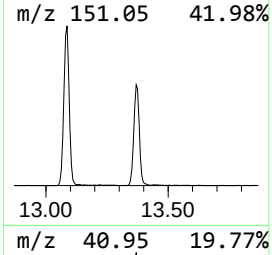
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	87
2	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	59
3	Metacetamol	151	C8H9NO2	000621-42-1	53
4	Acetaminophen	151	C8H9NO2	000103-90-2	53
5	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	53

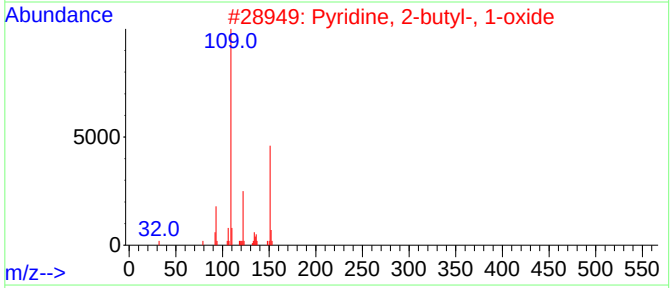


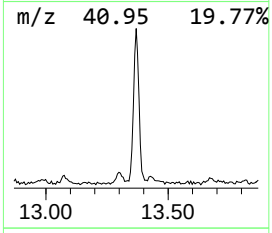


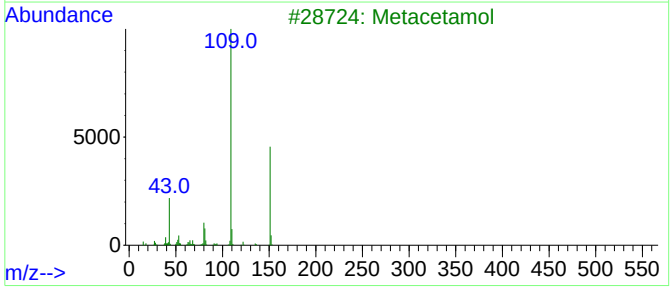


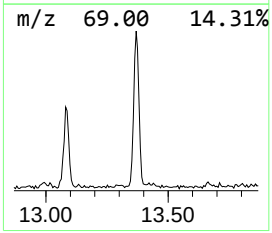












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112221\
Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

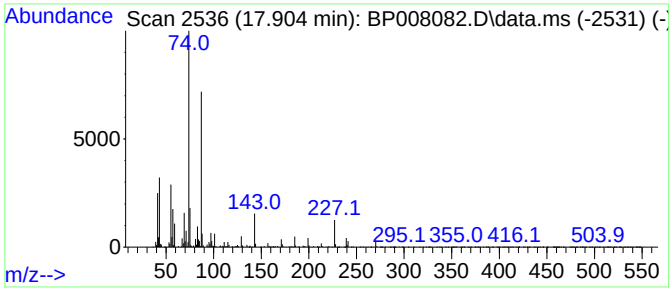
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

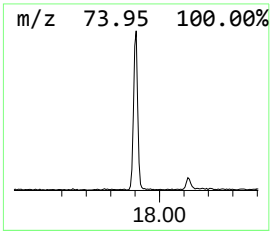
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

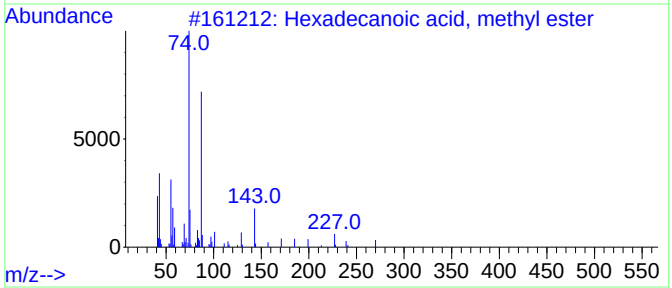
****
Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 10

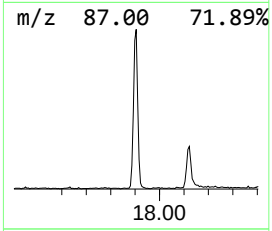
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.904	2.22 ng	190590	Phenanthrene-d10	17.222

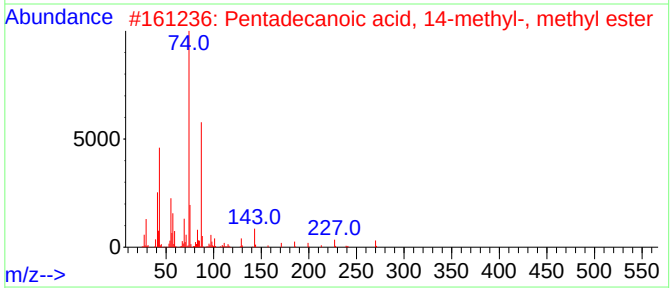
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80
5	Methyl 8-methyl-nonanoate	186	C11H22O2	1000452-00-9	76

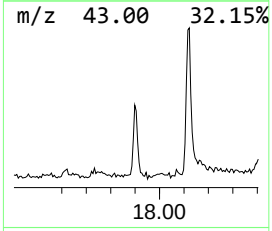


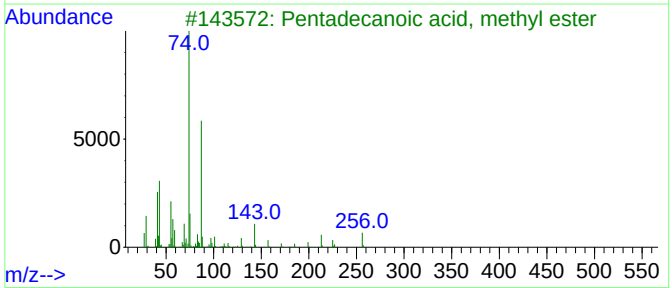


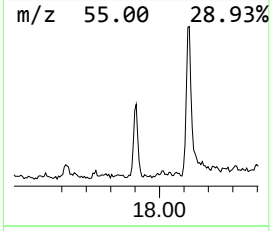


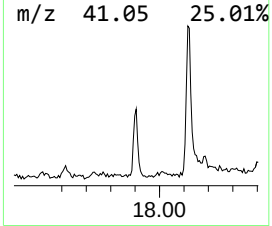












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112221\
Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

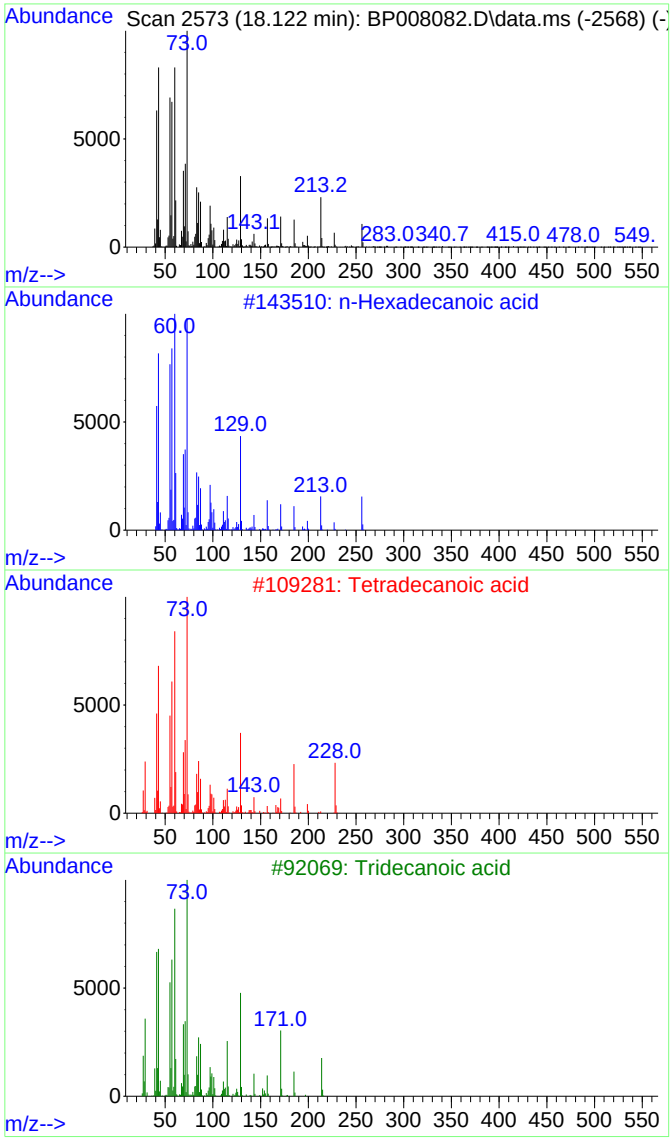
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

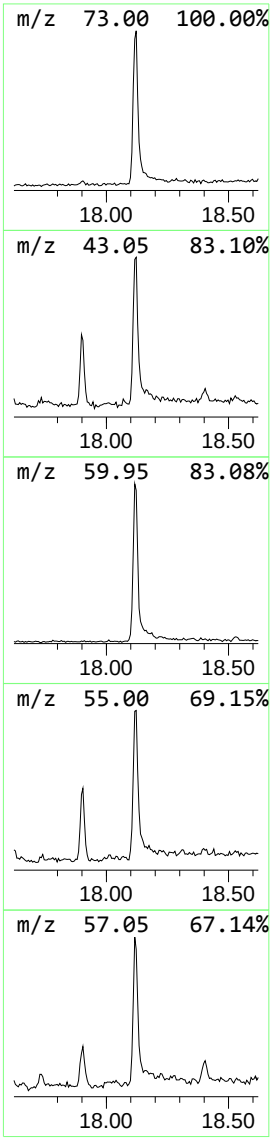
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.122	5.14 ng	441344	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Octadecanoic acid	284	C18H36O2	000057-11-4	91
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87





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Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

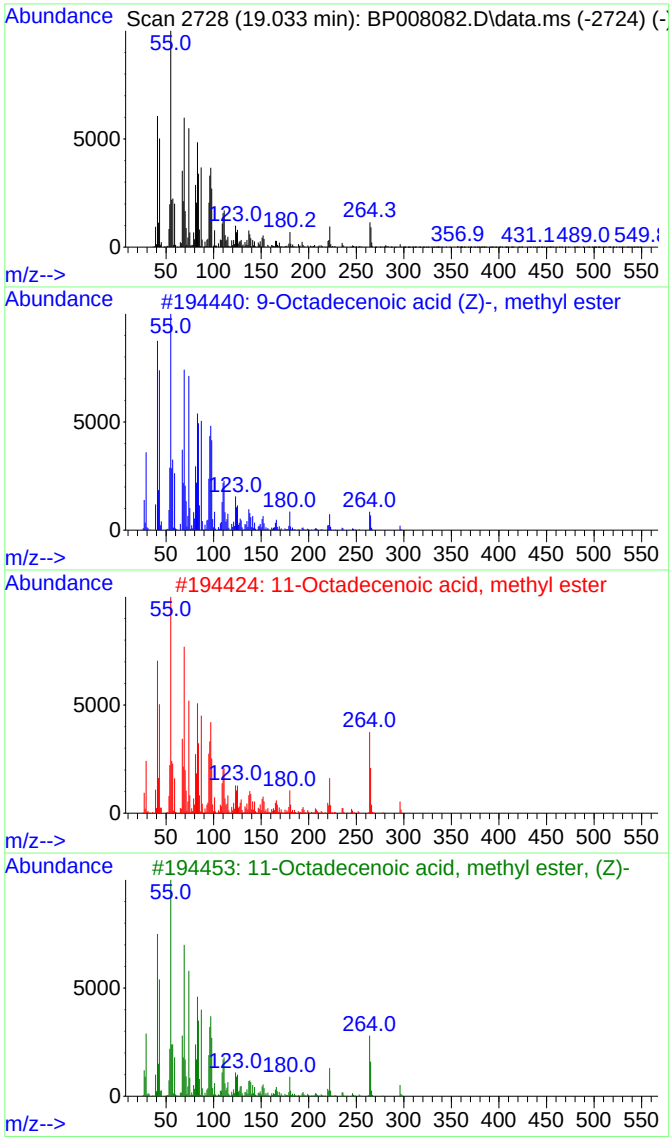
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

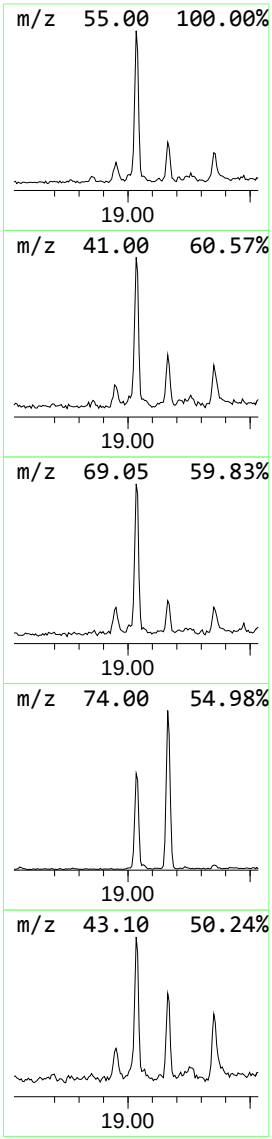
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 9-Octadecenoic acid (Z)-, m... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.033	5.95 ng	511052	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
3	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
4	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	99
5	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99





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Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.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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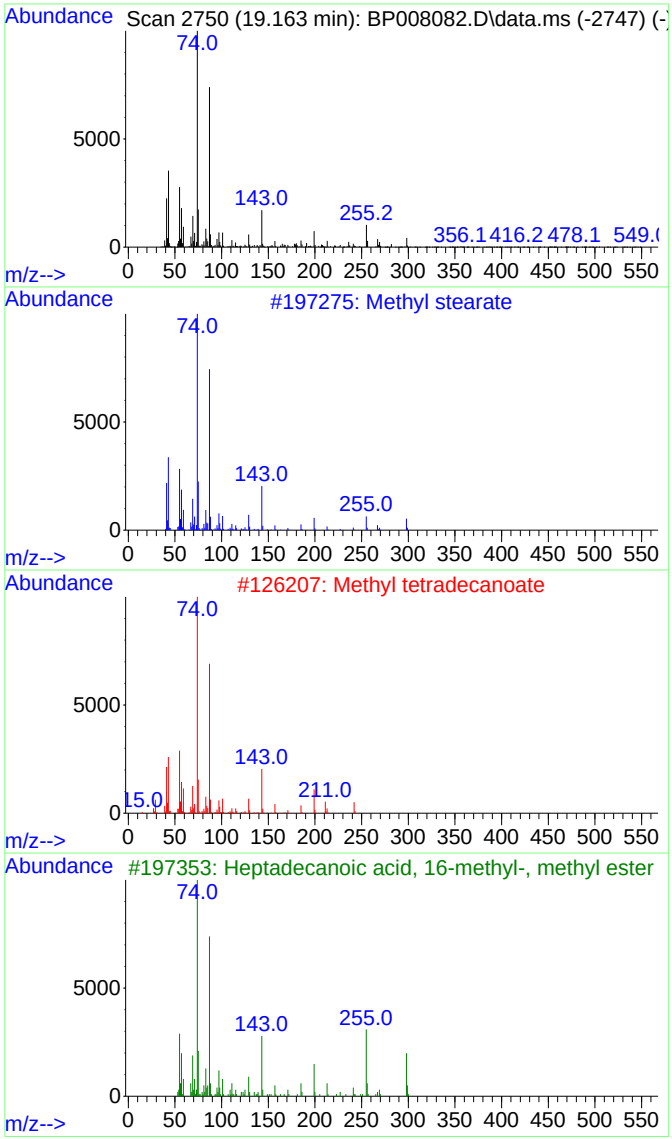
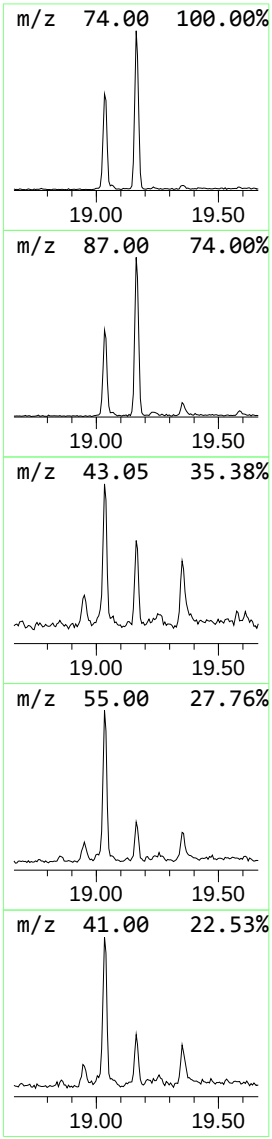
Peak Number 8 Methyl stearate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	2.53 ng	217388	Phenanthrene-d10	17.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	93
3	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	90
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	87
5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	83





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Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.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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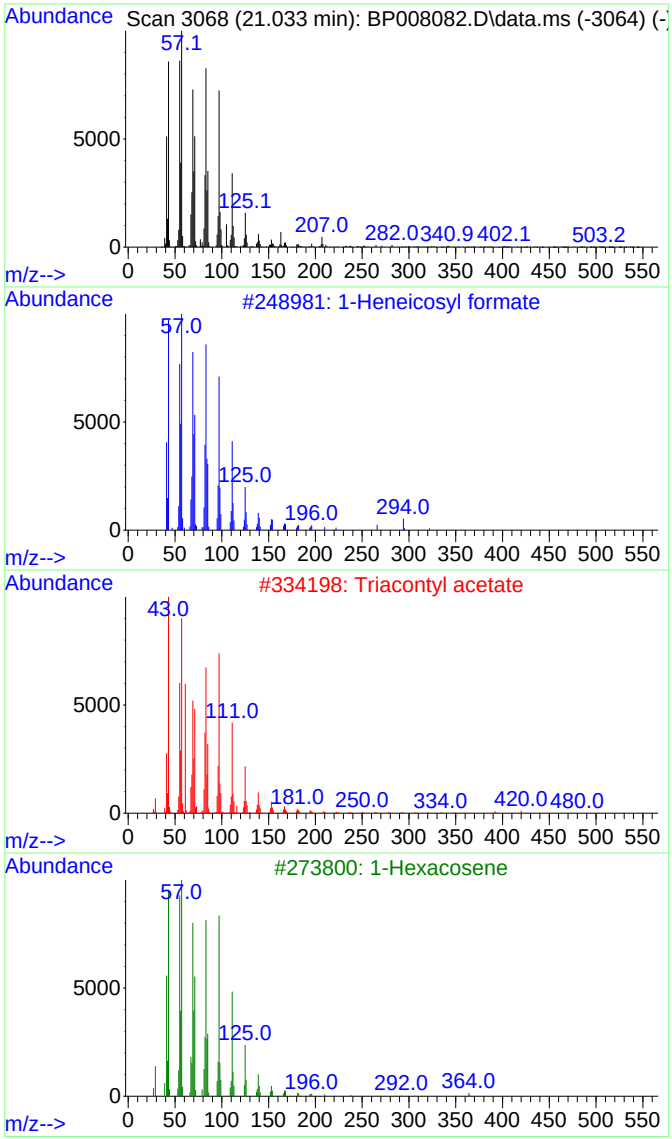
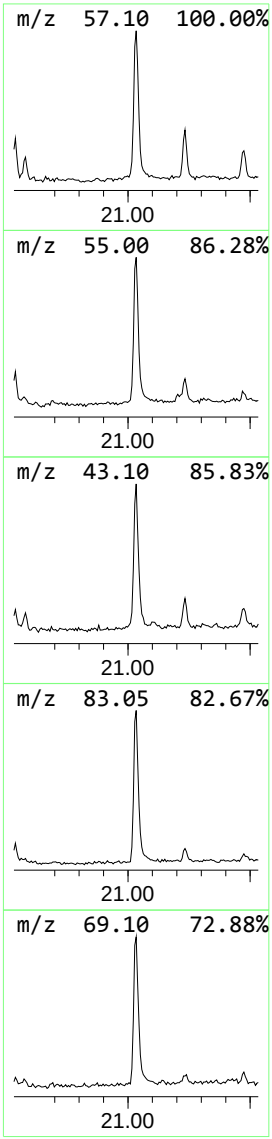
Peak Number 9 1-Heneicosyl formate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.033	5.64 ng	662055	Chrysene-d12	21.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	96
2	Triacontyl acetate	480	C32H64O2	041755-58-2	95
3	1-Hexacosene	364	C26H52	018835-33-1	94
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112221\
Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.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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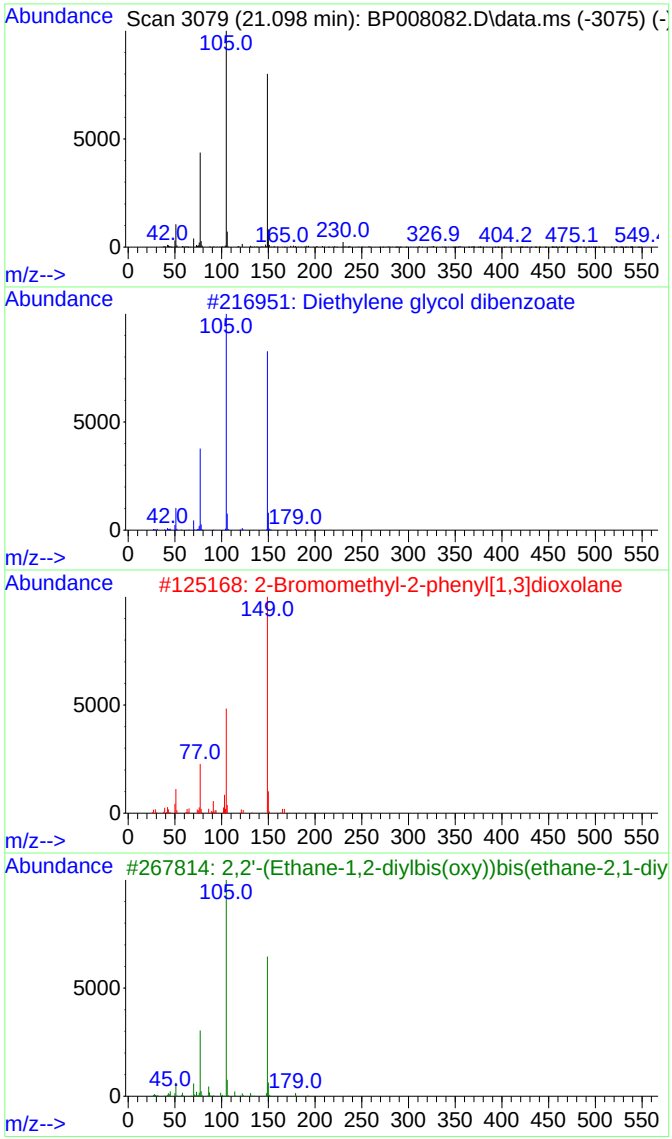
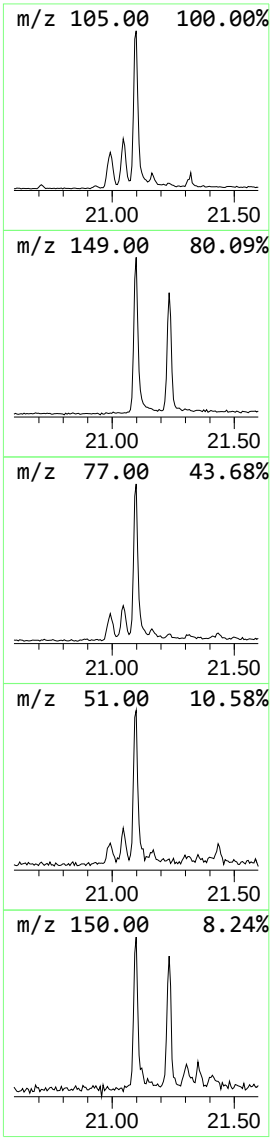
Peak Number 10 Diethylene glycol dibenzoate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.098	2.31 ng	271123	Chrysene-d12	21.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	90
2	2-Bromomethyl-2-phenyl[1,3]dioxo...	242	C10H11BrO2	003418-21-1	83
3	2,2'-(Ethane-1,2-diylbis(oxy))bi...	358	C20H22O6	1000366-99-4	74
4	3,6,9,12-Tetraoxatetradecane-1,1...	446	C24H30O8	1000366-97-0	74
5	1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112221\
Data File : BP008082.D
Acq On : 22 Nov 2021 14:43
Operator : CG/JU
Sample : M4801-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.028	22.9	ng	920068	1	7.822	802478	20.0
2-Pentanone, 4-...	4.946	8.5	ng	342817	1	7.822	802478	20.0
Ethanol, 2-(2-b...	10.405	6.9	ng	368501	2	10.616	1074390	20.0
2,4,7,9-Tetrame...	13.369	6.7	ng	472947	3	14.463	1405330	20.0
Hexadecanoic ac...	17.904	2.2	ng	190590	4	17.222	1718600	20.0
n-Hexadecanoic ...	18.122	5.1	ng	441344	4	17.222	1718600	20.0
9-Octadecenoic ...	19.033	6.0	ng	511052	4	17.222	1718600	20.0
Methyl stearate	19.163	2.5	ng	217388	4	17.222	1718600	20.0
1-Heneicosyl fo...	21.033	5.6	ng	662055	5	21.316	2349400	20.0
Diethylene glyc...	21.098	2.3	ng	271123	5	21.316	2349400	20.0