LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
Data File : BG061140.D
Acq On : 8 May 2024 13:41
Operator : MA/JU
Sample : P2404-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

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-BG043024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG061140.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.069	9	14	22	rBV6	8512	17802	1.18%	0.210%
2	3.152	22	28	40	rVB	213816	347451	22.96%	4.094%
3	5.525	425	432	442	rBV	377616	601483	39.74%	7.088%
4	7.106	694	701	714	rBV	397989	691632	45.70%	8.150%
5	7.934	834	842	849	rBV	104476	171421	11.33%	2.020%
6	9.086	1030	1038	1048	rBV	260903	453436	29.96%	5.343%
7	10.725	1310	1317	1326	rBV	137200	240186	15.87%	2.830%
8	13.187	1728	1736	1744	rBV	643124	1012014	66.87%	11.926%
9	14.562	1964	1970	1979	rBV	215930	339062	22.40%	3.996%
10	16.054	2217	2224	2242	rBV	630728	963225	63.65%	11.351%
11	17.311	2430	2438	2443	rBV	281794	424053	28.02%	4.997%
12	17.353	2443	2445	2450	rVB	15571	18331	1.21%	0.216%
13	18.210	2583	2591	2606	rBV	108073	215098	14.21%	2.535%
14	19.368	2778	2788	2795	rBV	63532	97872	6.47%	1.153%
15	19.485	2804	2808	2813	rBV2	32480	48812	3.23%	0.575%
16	19.638	2826	2834	2840	rBV5	15661	47179	3.12%	0.556%
17	19.726	2841	2849	2857	rVB	51305	101389	6.70%	1.195%
18	19.932	2878	2884	2894	rVB	1177026	1513356	100.00%	17.833%
19	20.243	2935	2937	2941	rVB4	13708	15763	1.04%	0.186%
20	20.578	2988	2994	2996	rBV3	29922	47158	3.12%	0.556%
21	20.619	2997	3001	3010	rVB5	22573	56947	3.76%	0.671%
22	21.242	3102	3107	3113	rBV3	56418	116619	7.71%	1.374%
23	21.571	3157	3163	3169	rBV	282656	461091	30.47%	5.433%
24	24.697	3688	3695	3710	rVB3	152767	484715	32.03%	5.712%

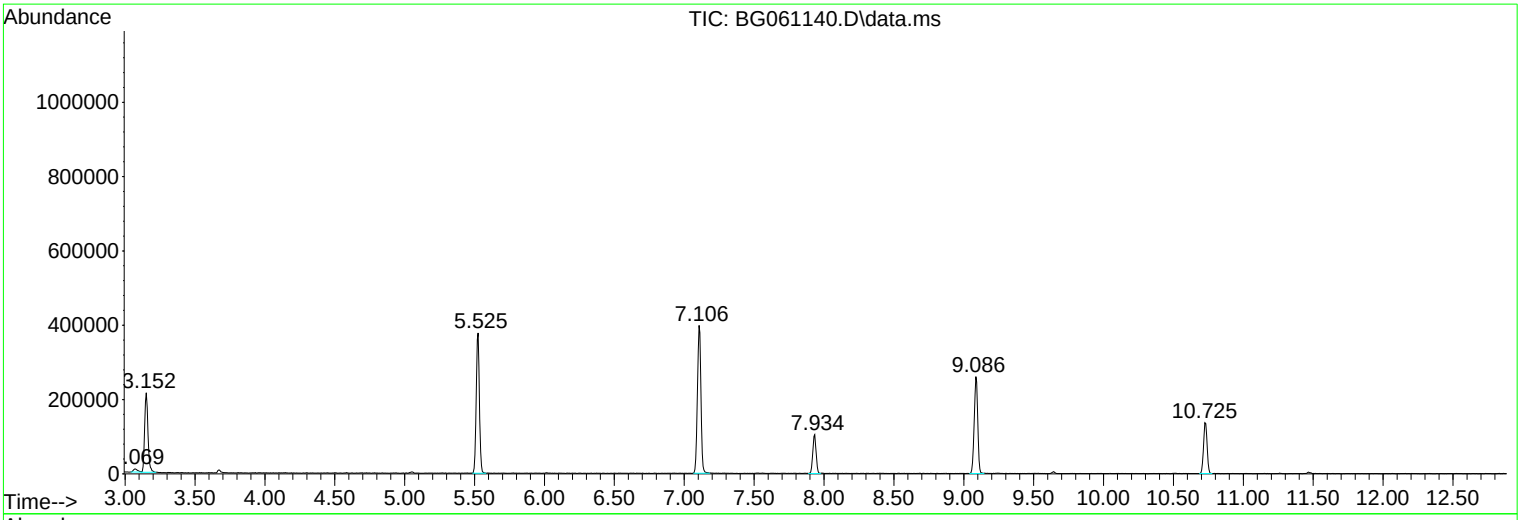
Sum of corrected areas: 8486095

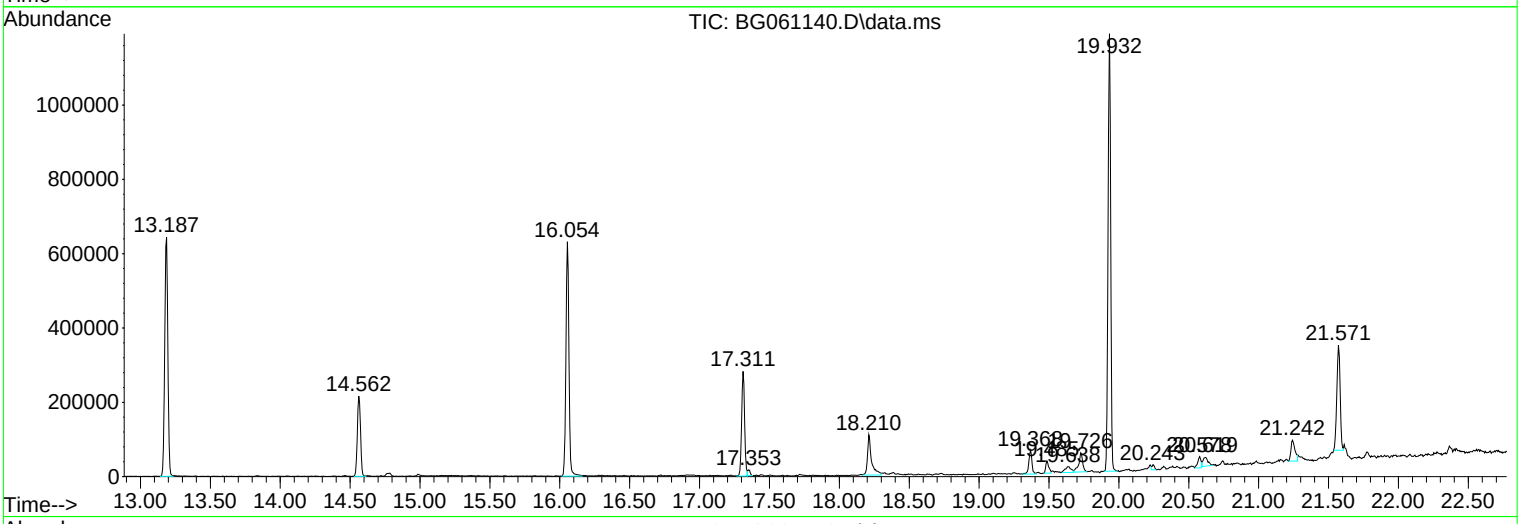
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
Data File : BG061140.D
Acq On : 8 May 2024 13:41
Operator : MA/JU
Sample : P2404-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

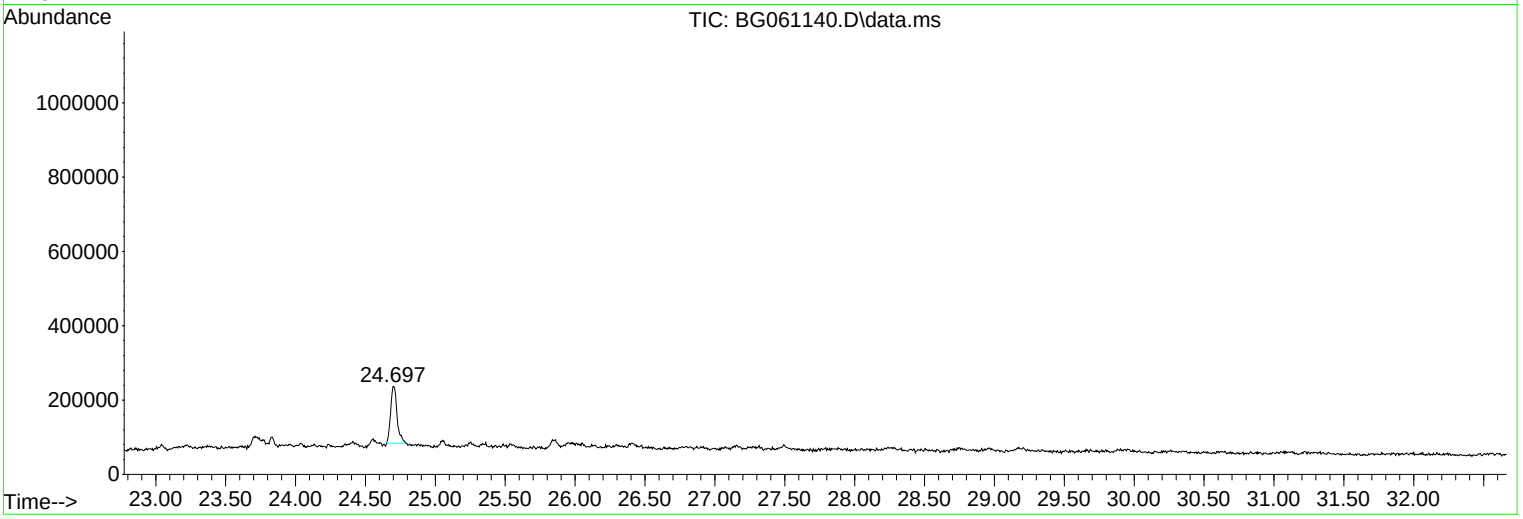
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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_G\Data\BG050824\
Data File : BG061140.D
Acq On : 8 May 2024 13:41
Operator : MA/JU
Sample : P2404-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

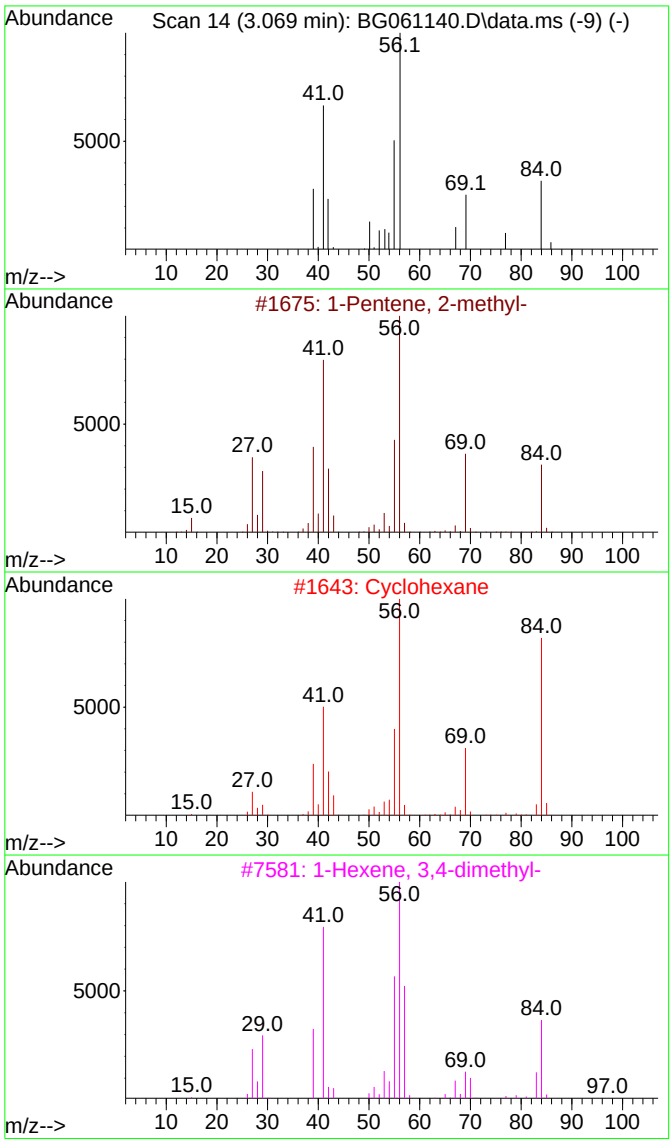
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

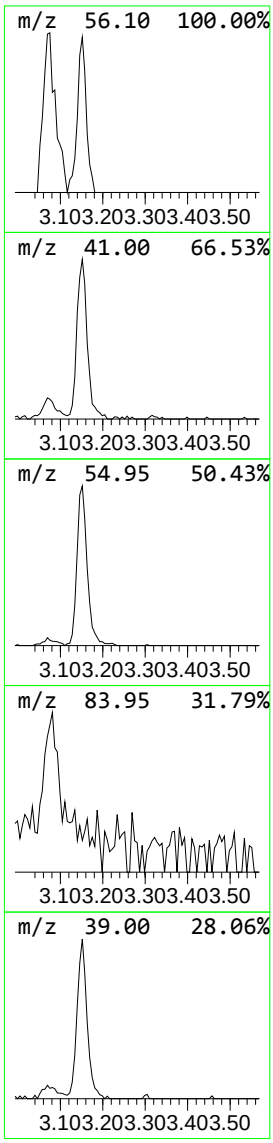
****

Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.069	2.08 ng	17802	1,4-Dichlorobenzene-d4	7.934

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
2	Cyclohexane	84	C6H12	000110-82-7	72
3	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	45
5	1-Hexene	84	C6H12	000592-41-6	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
Data File : BG061140.D
Acq On : 8 May 2024 13:41
Operator : MA/JU
Sample : P2404-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

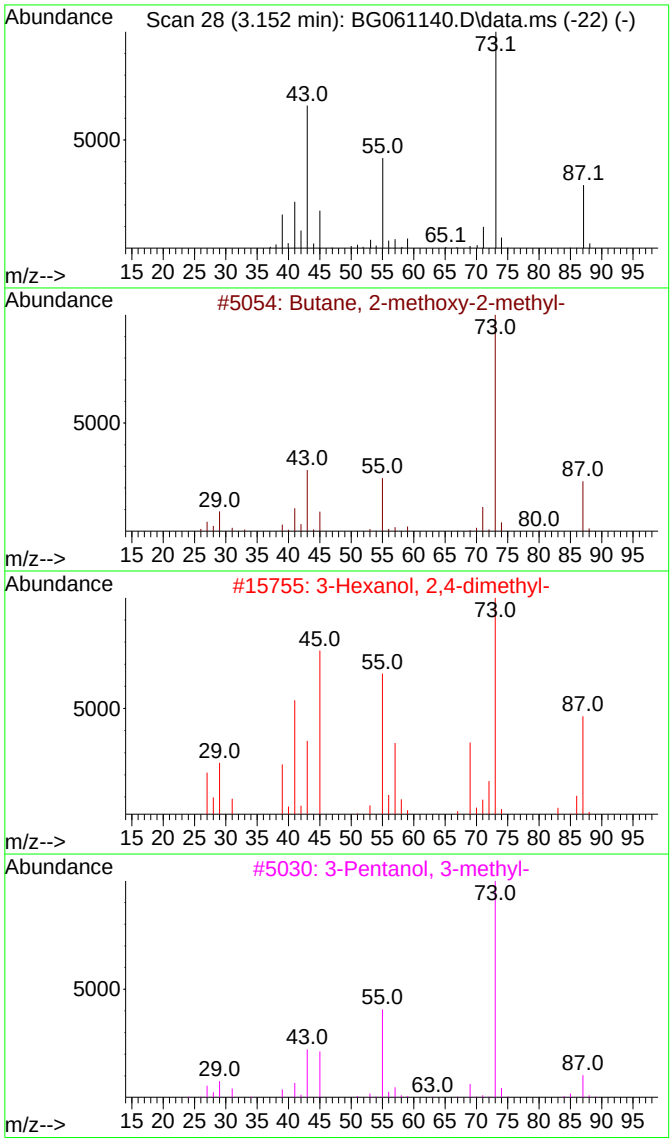
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

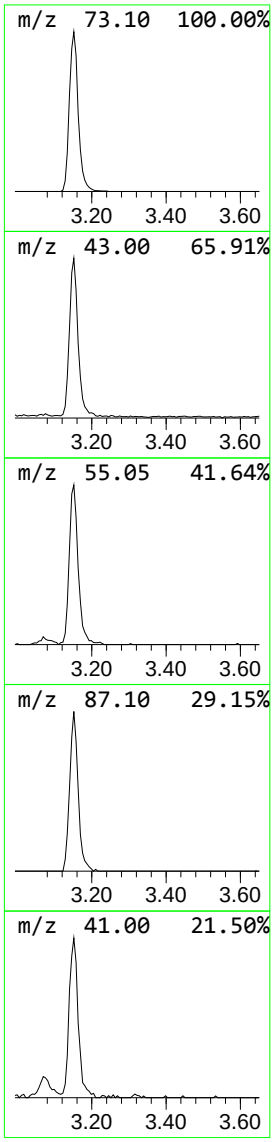
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.152	40.54 ng	347451	1,4-Dichlorobenzene-d4	7.934

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	45
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	33
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	28
5	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
Data File : BG061140.D
Acq On : 8 May 2024 13:41
Operator : MA/JU
Sample : P2404-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

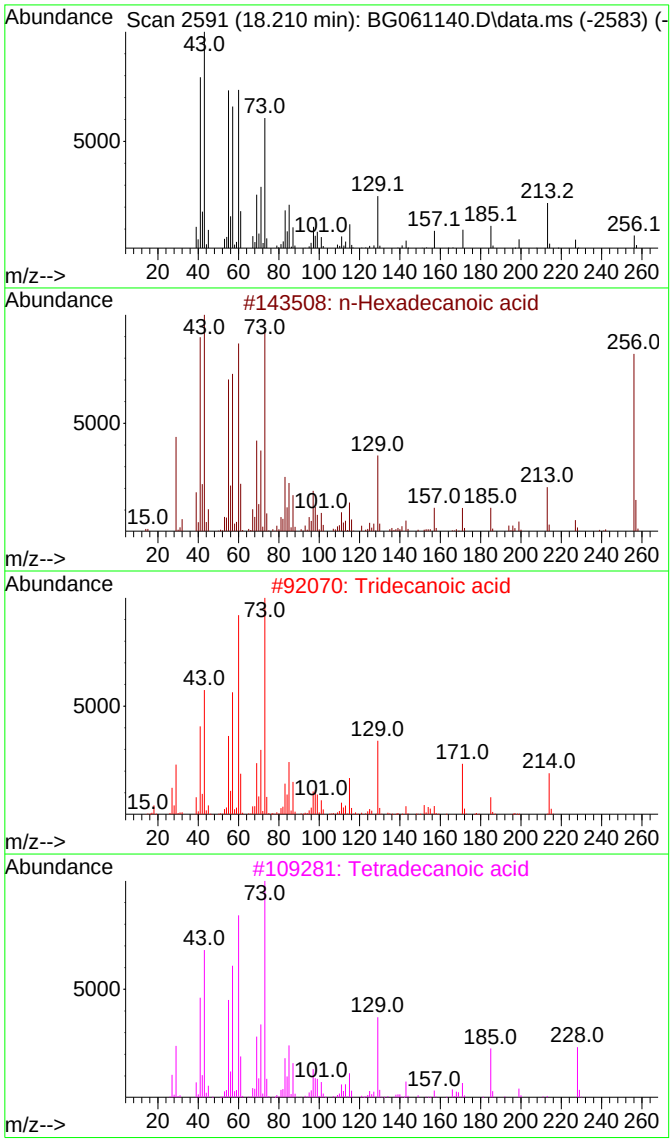
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

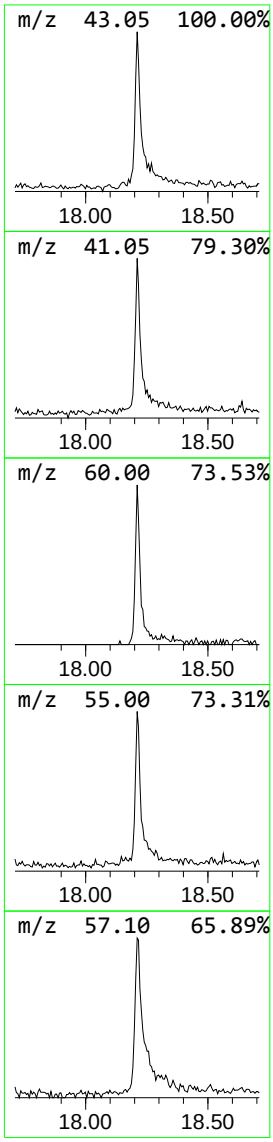
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.210	10.14 ng	215098	Phenanthrene-d10	17.311

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	Tridecanoic acid	214	C13H26O2	000638-53-9	64
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
5	Dodecanoic acid	200	C12H24O2	000143-07-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
Data File : BG061140.D
Acq On : 8 May 2024 13:41
Operator : MA/JU
Sample : P2404-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

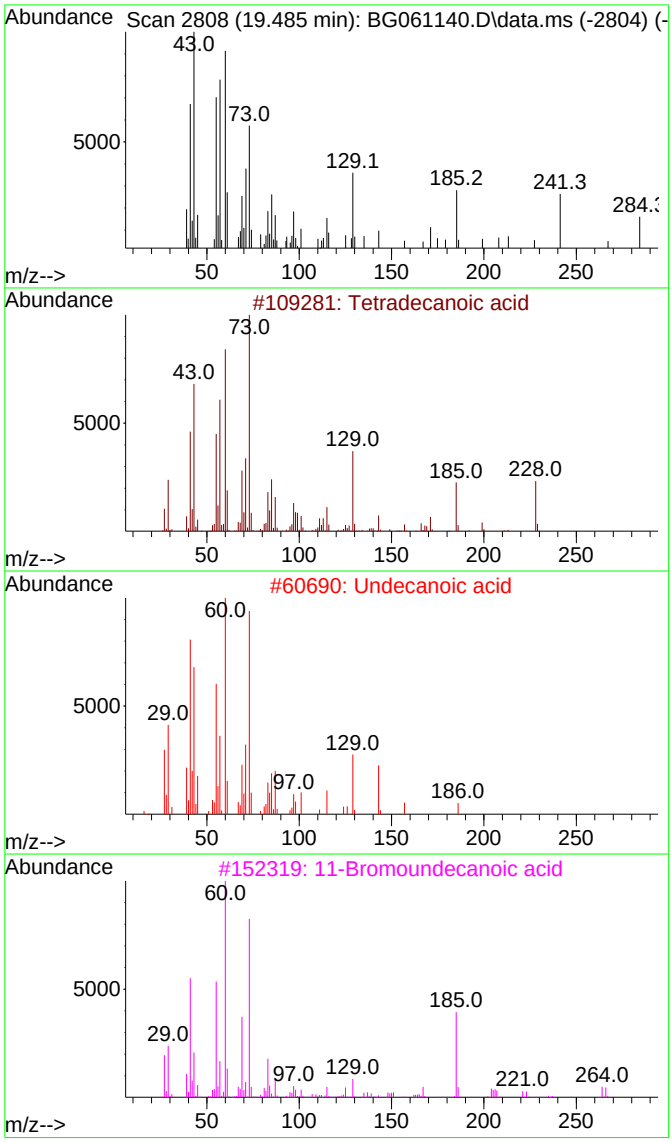
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

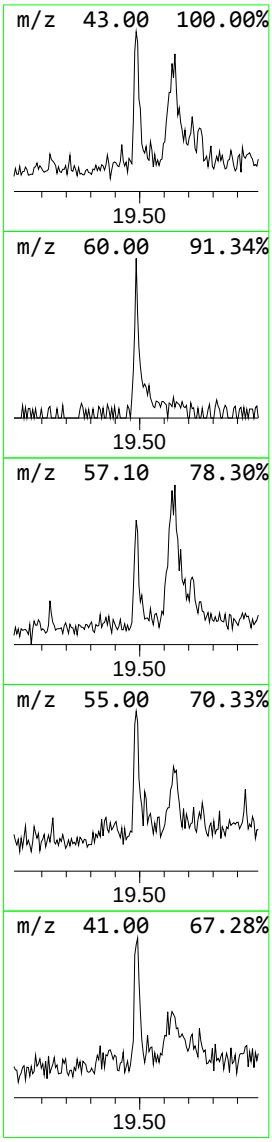
****

Peak Number 4 Tetradecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.485	2.12 ng	48812	Chrysene-d12	21.571

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
2	Undecanoic acid	186	C11H22O2	000112-37-8	47
3	11-Bromoundecanoic acid	264	C11H21BrO2	002834-05-1	43
4	n-Decanoic acid	172	C10H20O2	000334-48-5	38
5	Hydrazinecarbothioamide, 2-(2-th...	185	C6H7N3S2	005351-91-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
Data File : BG061140.D
Acq On : 8 May 2024 13:41
Operator : MA/JU
Sample : P2404-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

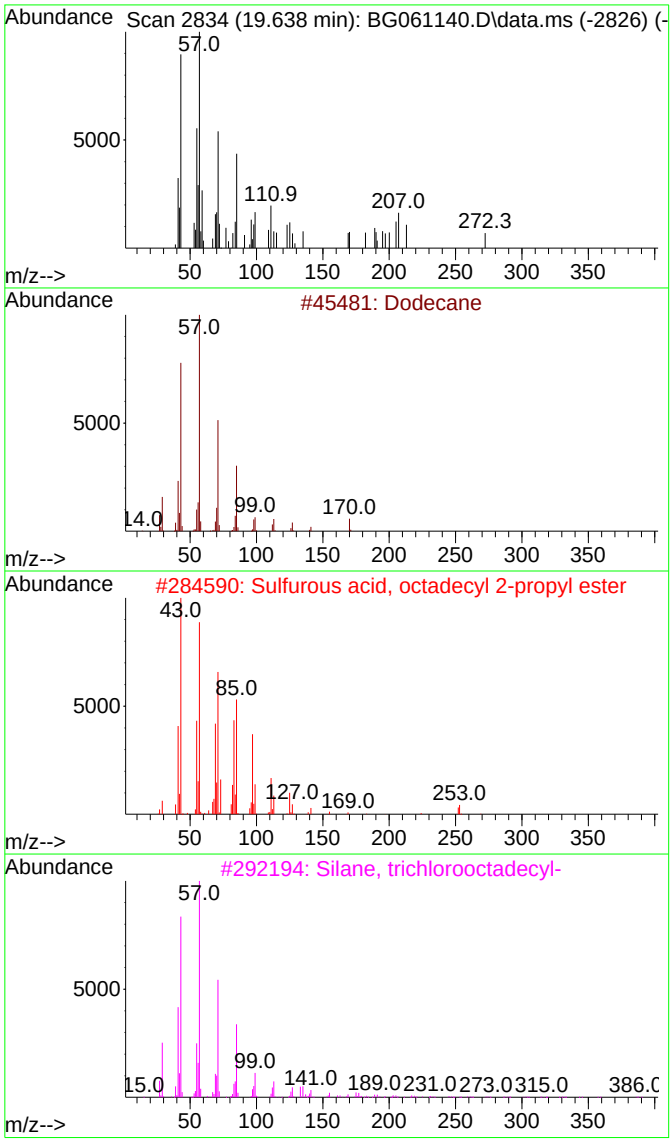
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

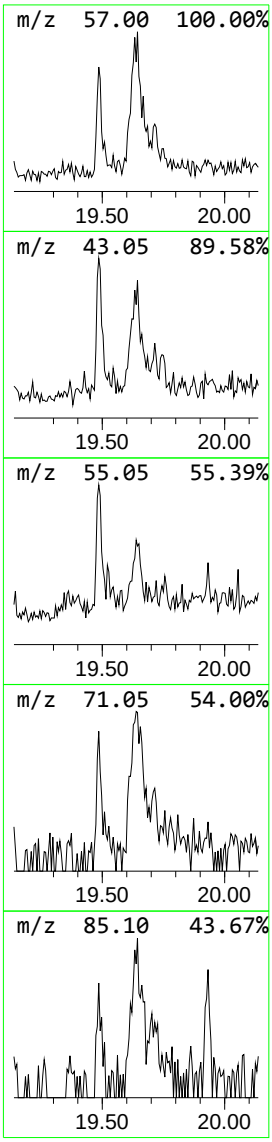
****

Peak Number 5 unknown19.638 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.638	2.05 ng	47179	Chrysene-d12	21.571

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	45
2	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	43
3	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	38
4	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	35
5	Decane	142	C10H22	000124-18-5	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
Data File : BG061140.D
Acq On : 8 May 2024 13:41
Operator : MA/JU
Sample : P2404-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

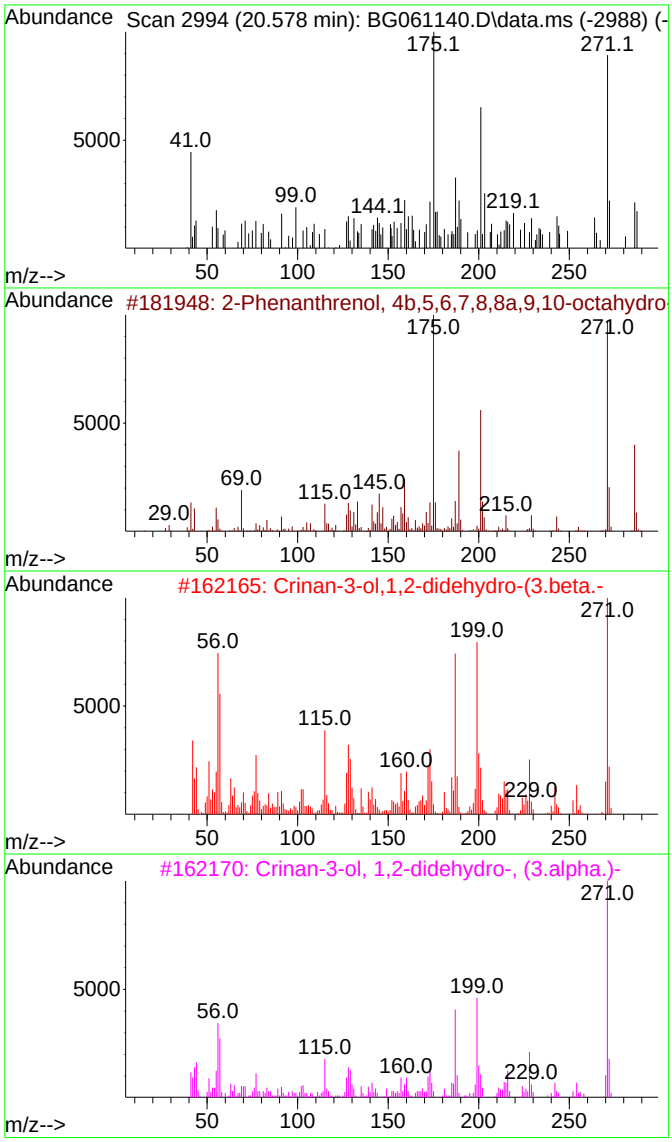
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

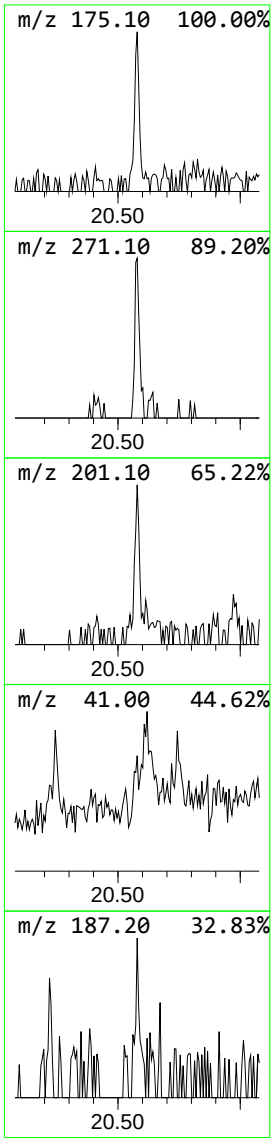
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.578	2.05 ng	47158	Chrysene-d12	21.571

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	74
2	Crinan-3-ol,1,2-didehydro-(3.beta.-	271	C16H17NO3	000546-05-4	38
3	Crinan-3-ol, 1,2-didehydro-, (3....	271	C16H17NO3	000510-67-8	38
4	4,4'-(Ethane-1,1-diyl)diphenol, ...	286	C17H22O2Si	1000488-41-7	27
5	Morphinan-6-ol, 4,5-epoxy-N-meth...	271	C17H21NO2	083475-40-5	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
Data File : BG061140.D
Acq On : 8 May 2024 13:41
Operator : MA/JU
Sample : P2404-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

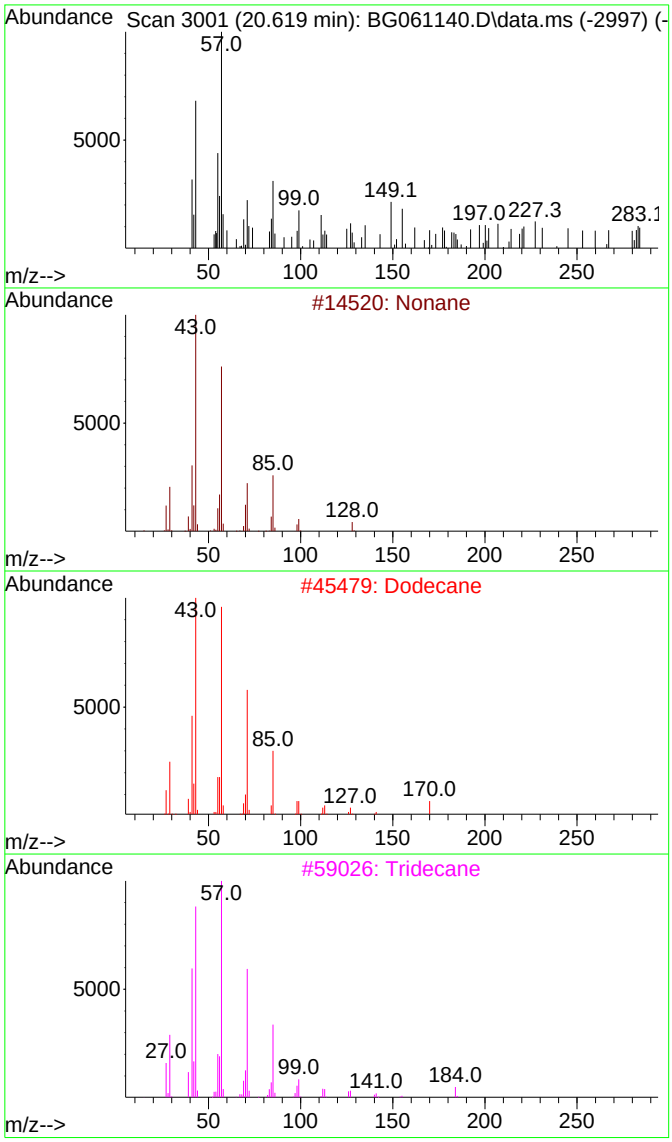
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

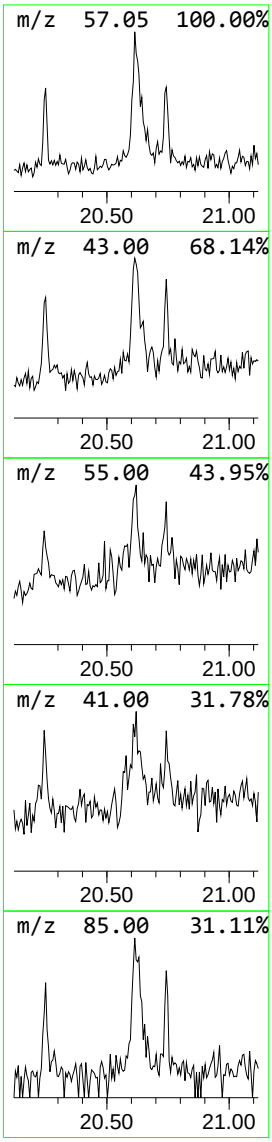
****

Peak Number 7 unknown20.619 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.619	2.47 ng	56947	Chrysene-d12	21.571

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	11
2	Dodecane	170	C12H26	000112-40-3	11
3	Tridecane	184	C13H28	000629-50-5	11
4	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	11
5	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
Data File : BG061140.D
Acq On : 8 May 2024 13:41
Operator : MA/JU
Sample : P2404-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

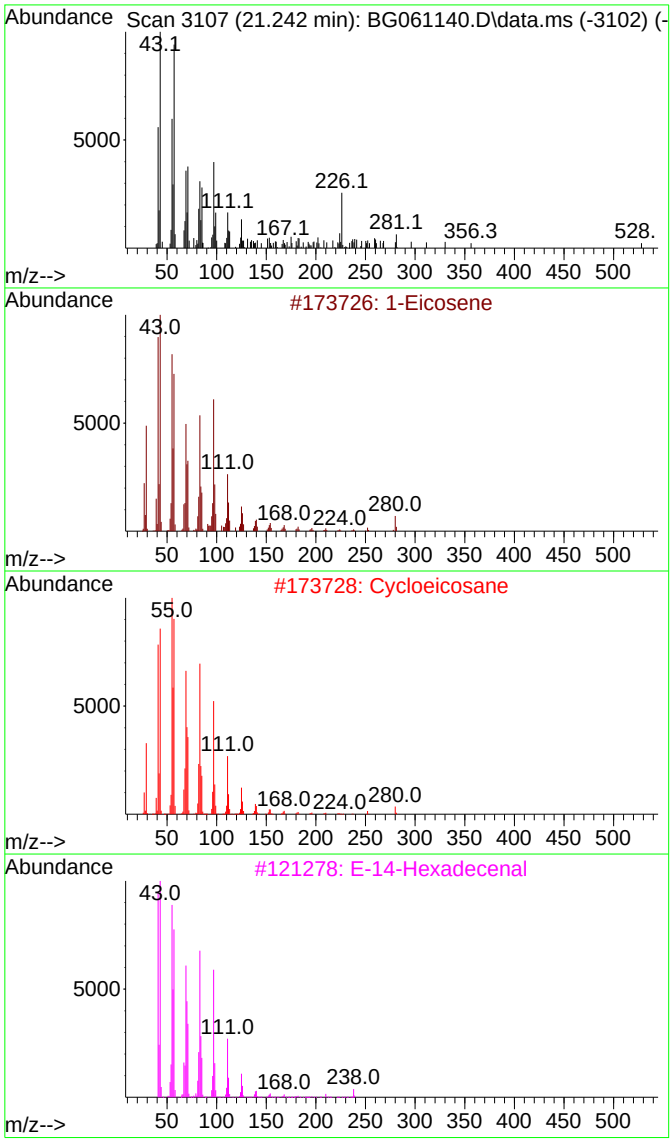
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

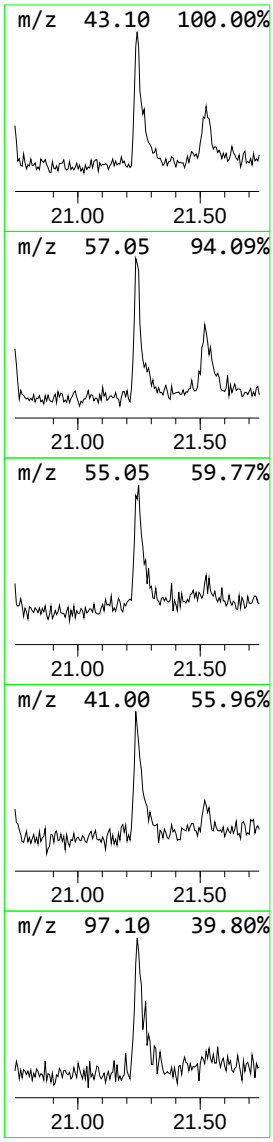
****

Peak Number 8 1-Eicosene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.242	5.06 ng	116619	Chrysene-d12	21.571

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosene	280	C20H40	003452-07-1	81
2	Cycloeicosane	280	C20H40	000296-56-0	56
3	E-14-Hexadecenal	238	C16H30O	330207-53-9	46
4	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	45
5	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
Data File : BG061140.D
Acq On : 8 May 2024 13:41
Operator : MA/JU
Sample : P2404-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.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
1-Pentene, 2-me...	3.069	2.1	ng	17802	1	7.934	171421	20.0
Butane, 2-metho...	3.152	40.5	ng	347451	1	7.934	171421	20.0
n-Hexadecanoic ...	18.210	10.1	ng	215098	4	17.311	424053	20.0
Tetradecanoic acid	19.485	2.1	ng	48812	5	21.571	461091	20.0
unknown19.638	19.638	2.0	ng	47179	5	21.571	461091	20.0
2-Phenanthrenol...	20.578	2.0	ng	47158	5	21.571	461091	20.0
unknown20.619	20.619	2.5	ng	56947	5	21.571	461091	20.0
1-Eicosene	21.242	5.1	ng	116619	5	21.571	461091	20.0