LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\
Data File : BM022210.D
Acq On : 20 Aug 2019 13:46
Operator : HP/JU
Sample : K4343-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OAK-UST-SOIL

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-BM082019.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	5.181	368	373	388	rVB	394858	575968	33.53%	6.383%
2	6.757	635	641	659	rBV	381426	630474	36.71%	6.987%
3	7.104	694	700	710	rBV	439249	672676	39.16%	7.455%
4	7.569	773	779	786	rBB	133594	199990	11.64%	2.216%
5	7.881	826	832	841	rBB	364963	555727	32.36%	6.159%
6	8.739	972	978	1003	rBV	222117	398708	23.21%	4.419%
7	10.345	1245	1251	1268	rBV	133097	246035	14.32%	2.727%
8	12.833	1668	1674	1688	rBV	668431	1005774	58.56%	11.147%
9	13.710	1818	1823	1831	rBB	29219	42951	2.50%	0.476%
10	14.227	1905	1911	1922	rBB2	214841	336839	19.61%	3.733%
11	15.733	2161	2167	2178	rBV	528535	766426	44.62%	8.494%
12	16.992	2375	2381	2393	rBV2	250580	386179	22.48%	4.280%
13	17.115	2398	2402	2407	rVV	16823	21373	1.24%	0.237%
14	17.880	2528	2532	2542	rBV2	44694	67331	3.92%	0.746%
15	19.174	2747	2752	2758	rBV3	23271	35354	2.06%	0.392%
16	19.627	2824	2829	2838	rBV	1350579	1717587	100.00%	19.036%
17	20.903	3041	3046	3055	rBV	63472	107515	6.26%	1.192%
18	21.198	3091	3096	3104	rBV	360366	498661	29.03%	5.527%
19	21.750	3188	3190	3194	rVB	31931	33134	1.93%	0.367%
20	22.203	3264	3267	3274	rVB	55628	64737	3.77%	0.717%
21	22.692	3346	3350	3357	rVB	62950	85628	4.99%	0.949%
22	23.239	3439	3443	3447	rVB2	57094	85084	4.95%	0.943%
23	23.397	3464	3470	3479	rVB	253053	488772	28.46%	5.417%

Sum of corrected areas: 9022923

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\
Data File : BM022210.D
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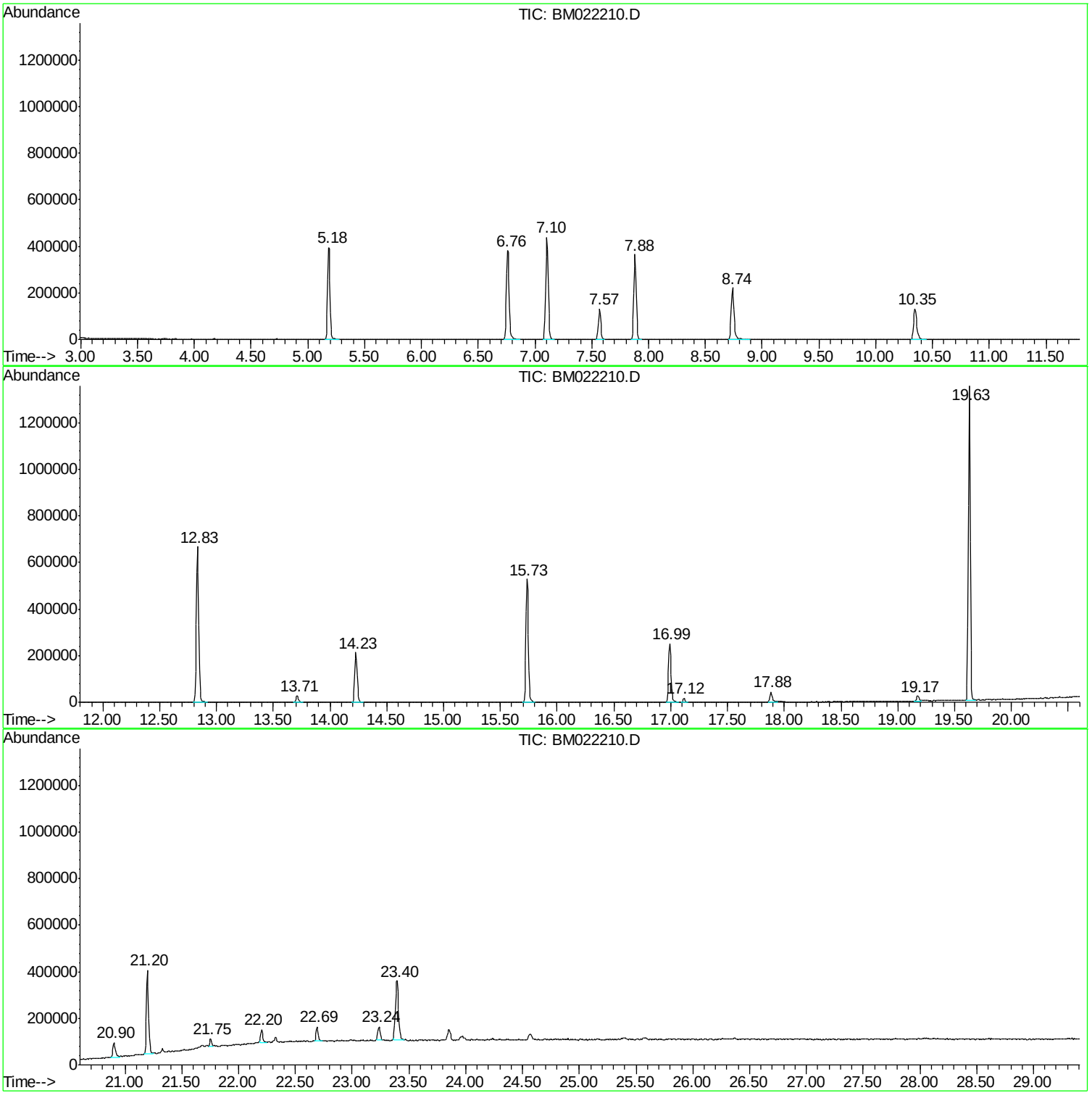
Operator : HP/JU
Sample : K4343-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OAK-UST-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\
Data File : BM022210.D
Acq On : 20 Aug 2019 13:46
Operator : HP/JU
Sample : K4343-01
Misc :
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Instrument : BNA_M
ClientSampleId : OAK-UST-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

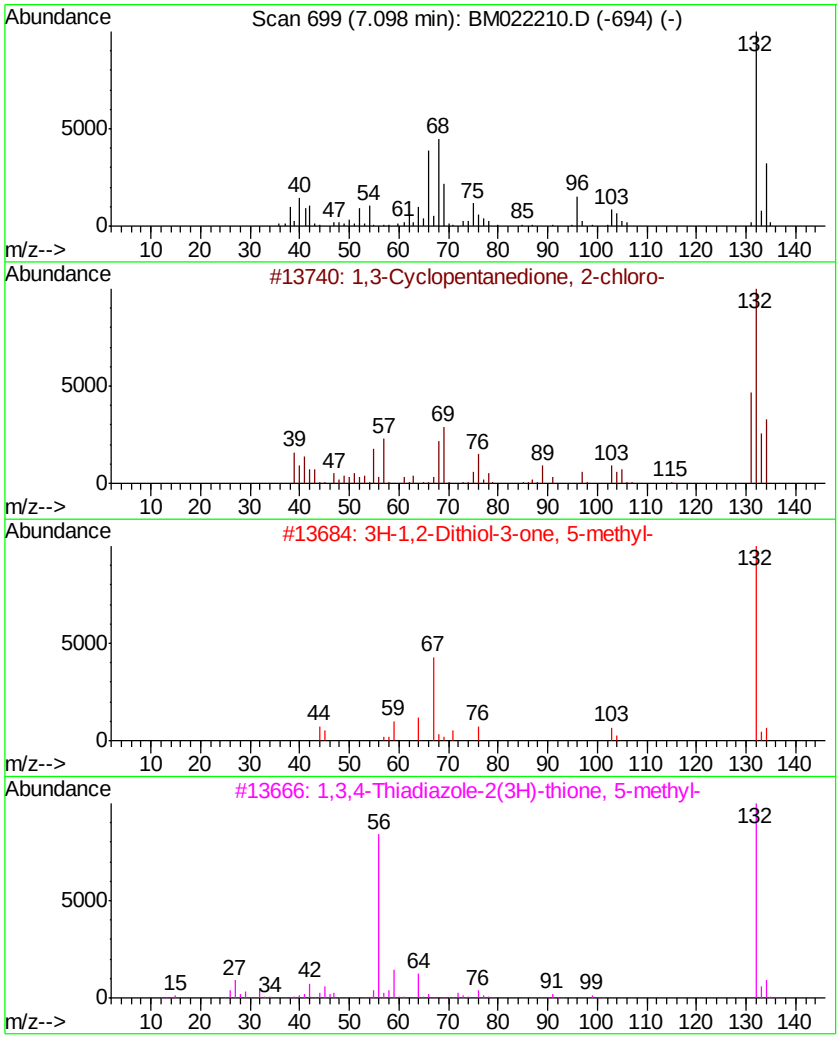
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

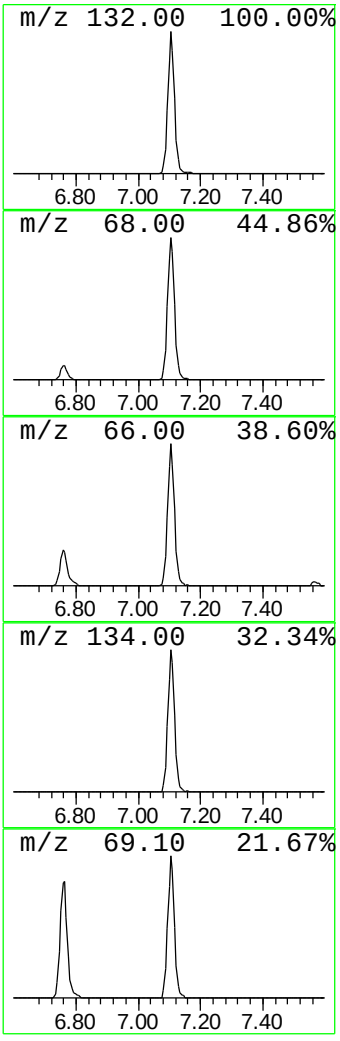
****

Peak Number 1 unknown7.10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	67.27 ng	672676	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	32
2	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	27
3	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	27
4	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	22
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22





Library Search Compound Report

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Data File : BM022210.D
Acq On : 20 Aug 2019 13:46
Operator : HP/JU
Sample : K4343-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OAK-UST-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

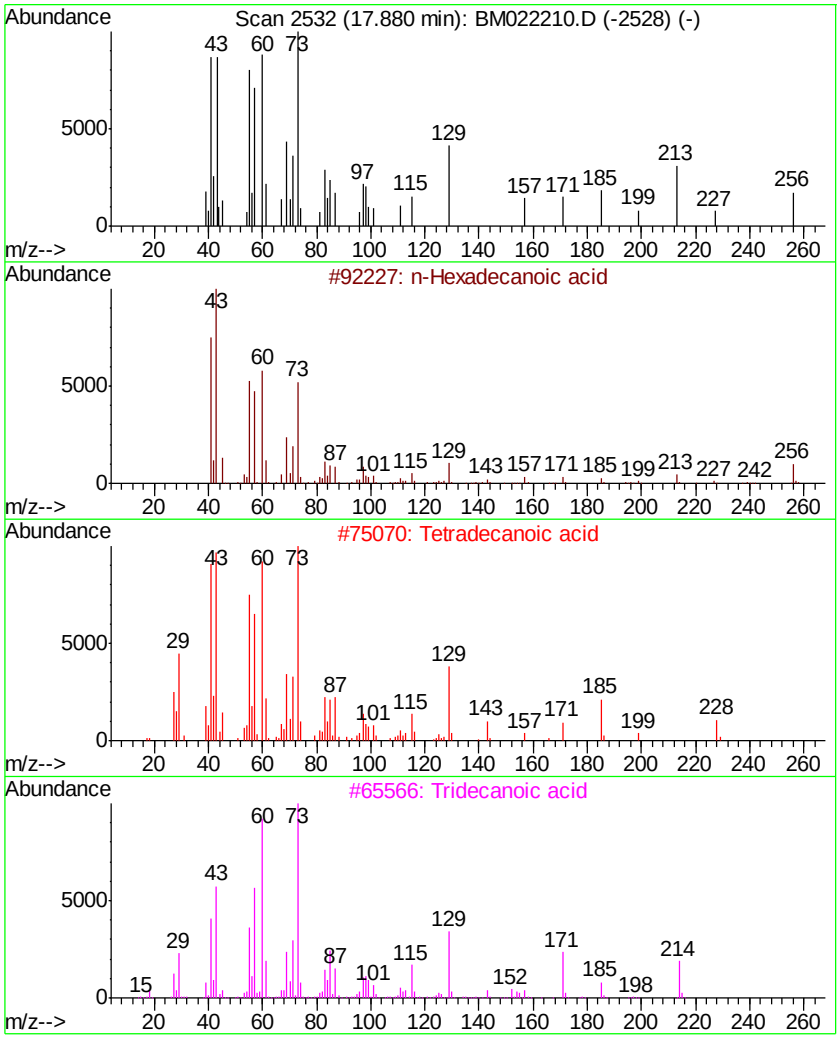
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

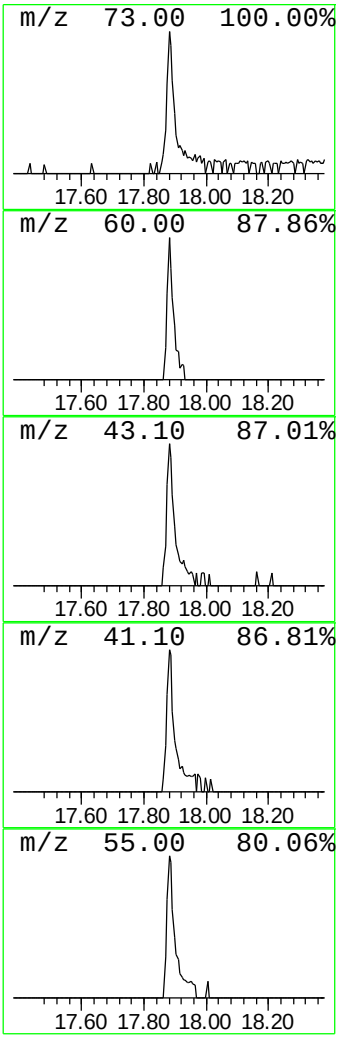
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	3.49 ng	67331	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
3	Tridecanoic acid	214	C13H26O2	000638-53-9	59
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	53
5	n-Decanoic acid	172	C10H20O2	000334-48-5	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\
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Operator : HP/JU
Sample : K4343-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OAK-UST-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

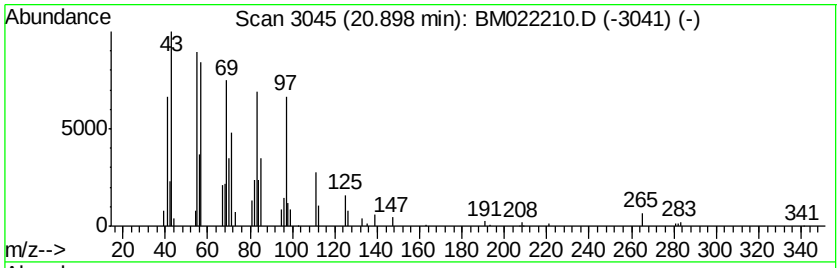
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

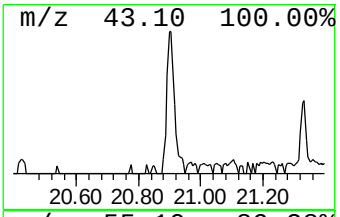
****

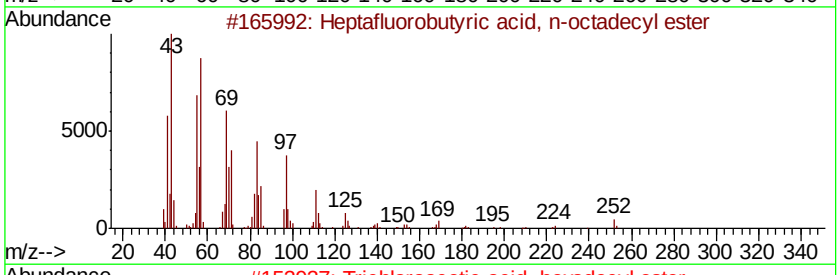
Peak Number 4 Heptafluorobutyric acid, n-... Concentration Rank 3

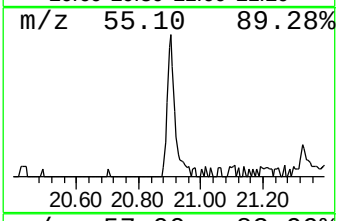
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	4.31 ng	107515	Chrysene-d12	21.20

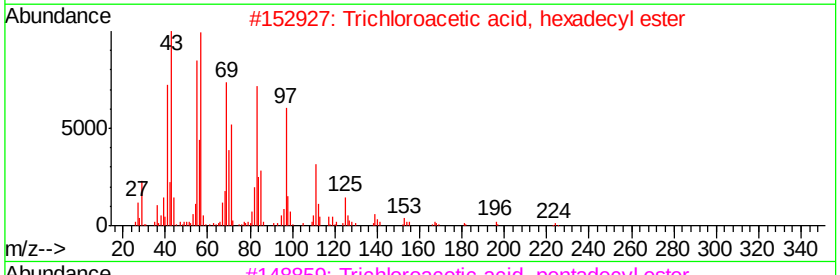
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	90
4	1-Nonadecanol	284	C19H40O	001454-84-8	90
5	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	90

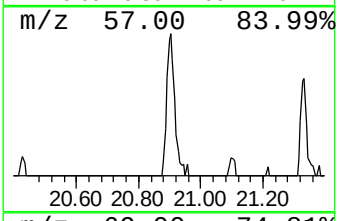


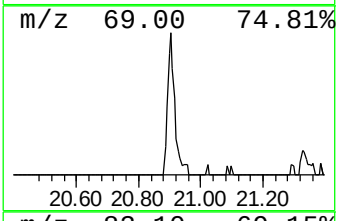


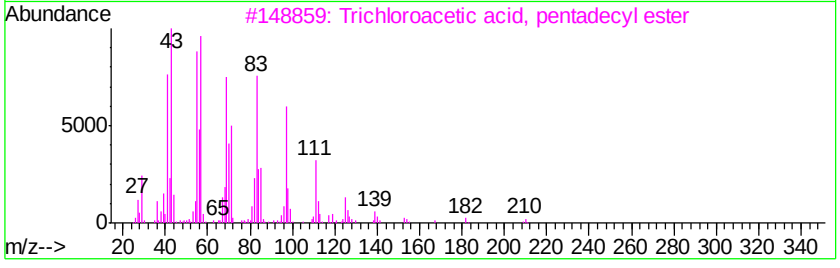


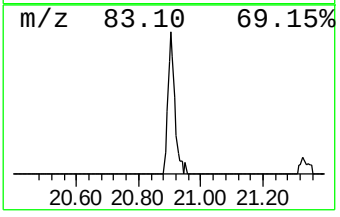












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ClientSampleId : OAK-UST-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

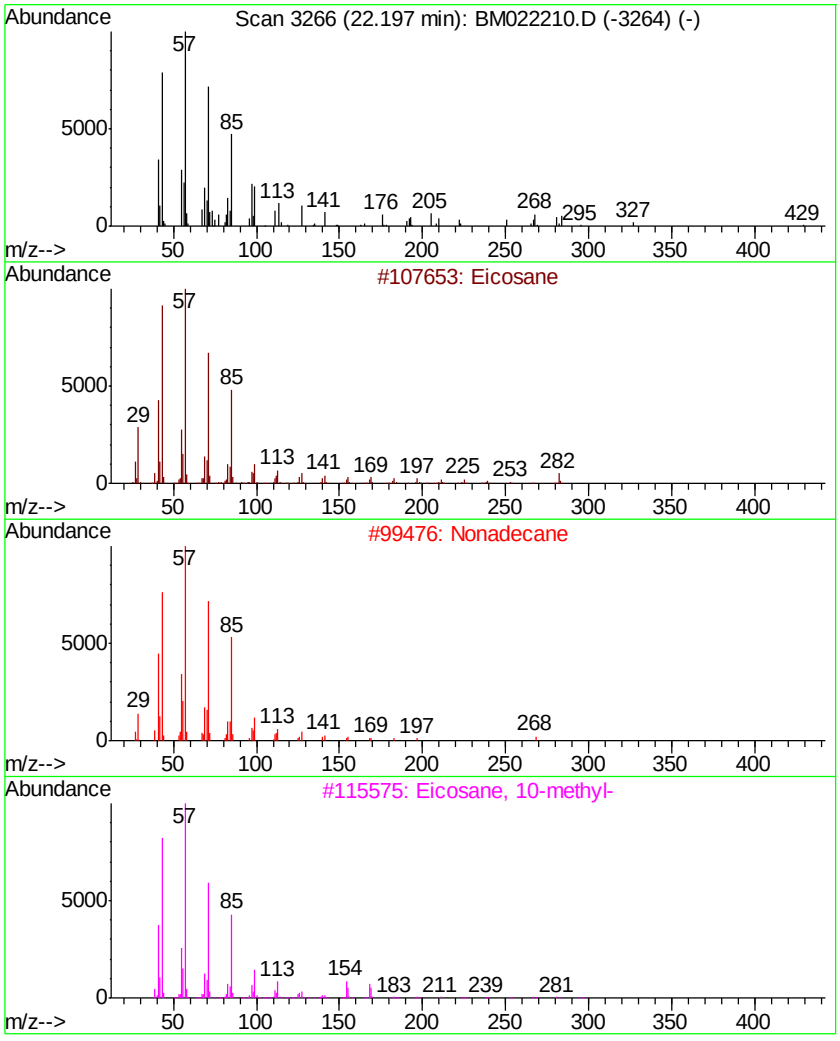
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

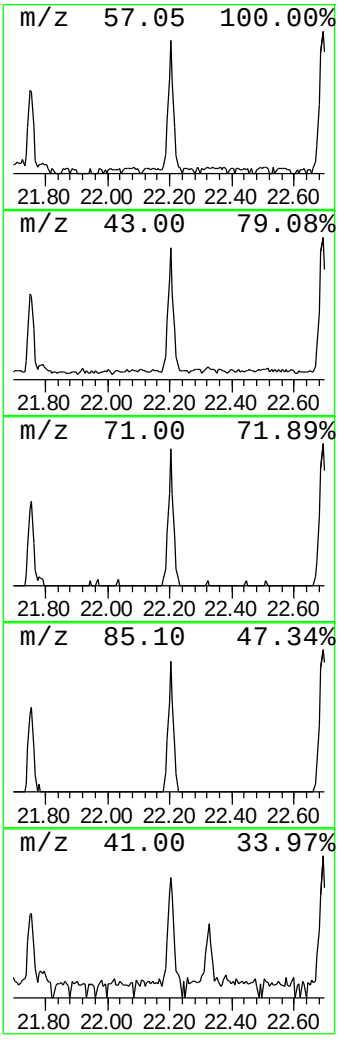
****

Peak Number 5 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.20	2.60 ng	64737	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Nonadecane	268	C19H40	000629-92-5	96
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	87





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Instrument : BNA_M
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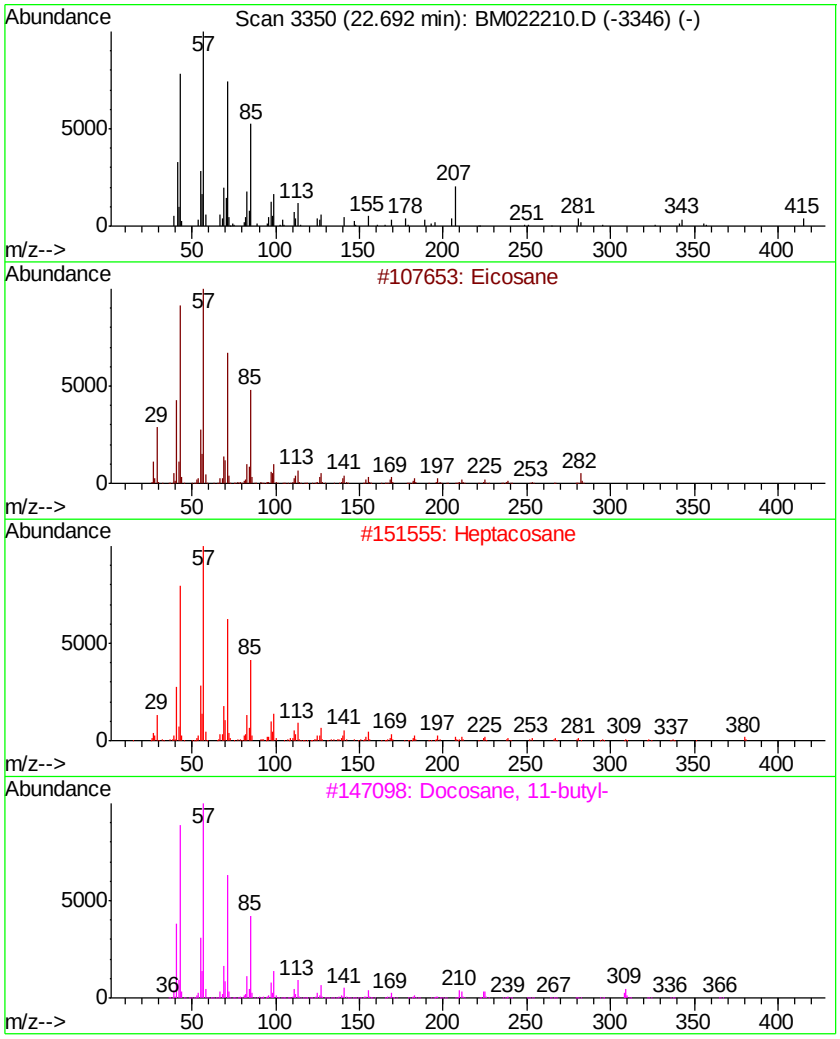
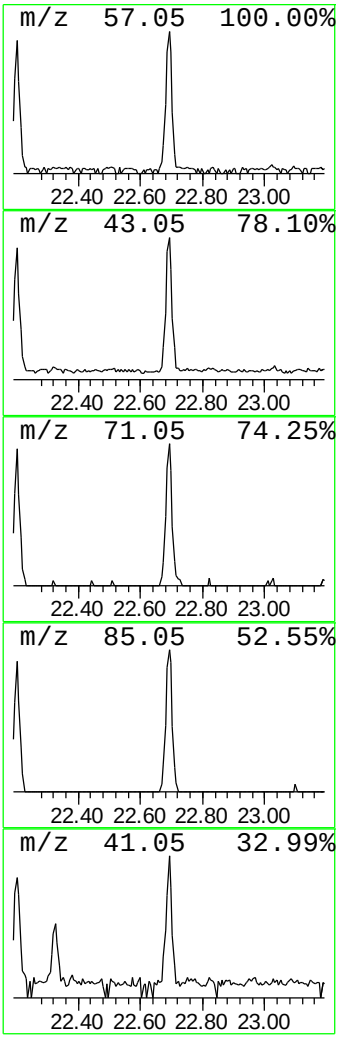
****

Peak Number 6 Heptacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	3.50 ng	85628	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Heptacosane	380	C27H56	000593-49-7	87
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	81
4	Hexatriacontane	507	C36H74	000630-06-8	81
5	Tetracosane	338	C24H50	000646-31-1	74





Library Search Compound Report

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Data File : BM022210.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OAK-UST-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

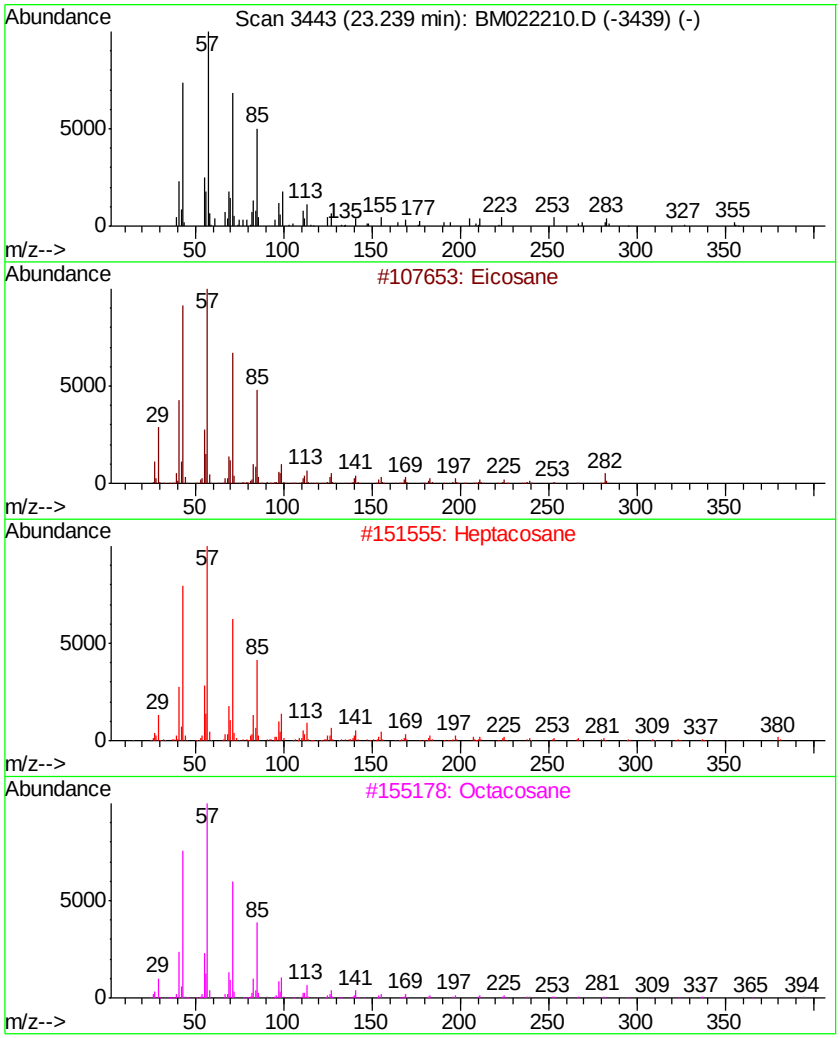
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

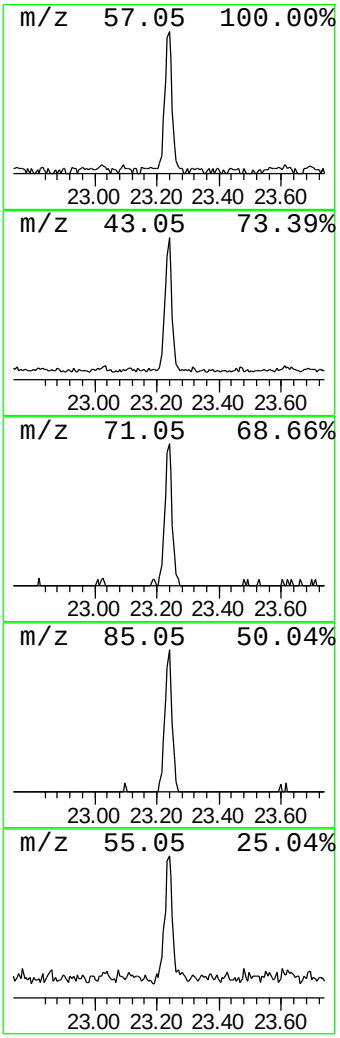
****

Peak Number 7 Octacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.24	3.48 ng	85084	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heptacosane	380	C27H56	000593-49-7	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	87
5	10-Methylnonadecane	282	C20H42	056862-62-5	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082019\
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.10	7.10	67.3	ng	672676	1	7.57	199990	20.0
n-Hexadecanoic acid	17.88	3.5	ng	67331	4	16.99	386179	20.0
Heptafluorobutyri...	20.90	4.3	ng	107515	5	21.20	498661	20.0
Eicosane	22.20	2.6	ng	64737	5	21.20	498661	20.0
Heptacosane	22.69	3.5	ng	85628	6	23.40	488772	20.0
Octacosane	23.24	3.5	ng	85084	6	23.40	488772	20.0