LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
Data File : BP014133.D
Acq On : 17 Mar 2023 22:12
Operator : CG/JU
Sample : 01963-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

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-BP030623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP014133.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.134	325	331	340	rBV	780141	1118585	22.07%	2.422%
2	5.605	403	411	426	rBV	1779514	2713061	53.54%	5.875%
3	7.222	675	686	699	rBV	1775176	2959228	58.40%	6.408%
4	8.063	820	829	835	rBV	509458	832667	16.43%	1.803%
5	9.234	1020	1028	1042	rBV	1112622	1899269	37.48%	4.112%
6	10.887	1301	1309	1315	rBV	650756	1123008	22.16%	2.432%
7	13.328	1716	1724	1735	rBV	2548553	3846838	75.92%	8.329%
8	14.428	1906	1911	1920	rBV	30896	52948	1.04%	0.115%
9	14.575	1930	1936	1947	rVB2	51851	103446	2.04%	0.224%
10	14.704	1951	1958	1964	rVV	1050743	1528026	30.15%	3.309%
11	14.769	1964	1969	1977	rVB	71927	114280	2.26%	0.247%
12	15.104	2022	2026	2030	rVB2	45981	58187	1.15%	0.126%
13	15.528	2094	2098	2103	rVB	49065	66373	1.31%	0.144%
14	15.751	2131	2136	2148	rVB2	67321	111600	2.20%	0.242%
15	16.063	2183	2189	2197	rVB2	204541	309558	6.11%	0.670%
16	16.198	2206	2212	2221	rBV	2364927	3341751	65.95%	7.236%
17	16.392	2241	2245	2247	rBV	64250	79694	1.57%	0.173%
18	17.116	2363	2368	2375	rBV	81689	127994	2.53%	0.277%
19	17.192	2377	2381	2386	rBV4	72618	113995	2.25%	0.247%
20	17.280	2393	2396	2402	rVB	54839	76370	1.51%	0.165%
21	17.463	2421	2427	2431	rBV	1305223	1891208	37.32%	4.095%
22	17.504	2431	2434	2440	rVB	1022270	1353102	26.70%	2.930%
23	17.598	2445	2450	2454	rVV	169581	240667	4.75%	0.521%
24	17.863	2490	2495	2503	rBV2	116508	197069	3.89%	0.427%
25	17.933	2503	2507	2510	rBV	59587	72112	1.42%	0.156%
26	18.321	2568	2573	2578	rBV	842808	1182595	23.34%	2.561%
27	18.369	2578	2581	2590	rVB2	229072	354819	7.00%	0.768%
28	18.510	2600	2605	2609	rBV2	177234	330004	6.51%	0.715%
29	18.598	2617	2620	2625	rBV3	67989	96080	1.90%	0.208%
30	18.798	2651	2654	2658	rBV	103700	117438	2.32%	0.254%
31	18.845	2658	2662	2668	rVB2	137796	188347	3.72%	0.408%
32	19.204	2719	2723	2728	rBV	156874	214587	4.23%	0.465%
33	19.463	2762	2767	2773	rVB	1850197	2398207	47.33%	5.193%
34	19.551	2778	2782	2789	rBV3	383783	550004	10.85%	1.191%
35	19.780	2816	2821	2823	rBV3	285978	479748	9.47%	1.039%
36	19.816	2823	2827	2834	rVB	1582022	2128824	42.01%	4.609%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
Data File : BP014133.D
Acq On : 17 Mar 2023 22:12
Operator : CG/JU
Sample : 01963-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

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-BP030623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.998	2853	2858	2864	rBV	4185992	5067244	100.00%	10.972%
38	21.021	3030	3032	3037	rBV	178606	213387	4.21%	0.462%
39	21.215	3062	3065	3070	rVB3	710198	862191	17.01%	1.867%
40	21.427	3098	3101	3105	rVB	298702	332968	6.57%	0.721%
41	21.545	3115	3121	3125	rBV2	1691710	3276849	64.67%	7.095%
42	21.586	3125	3128	3134	rVB	794857	1051529	20.75%	2.277%
43	23.304	3416	3420	3426	rBV	597236	1346348	26.57%	2.915%
44	24.086	3548	3553	3559	rVB2	902961	1661350	32.79%	3.597%

Sum of corrected areas: 46183555

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
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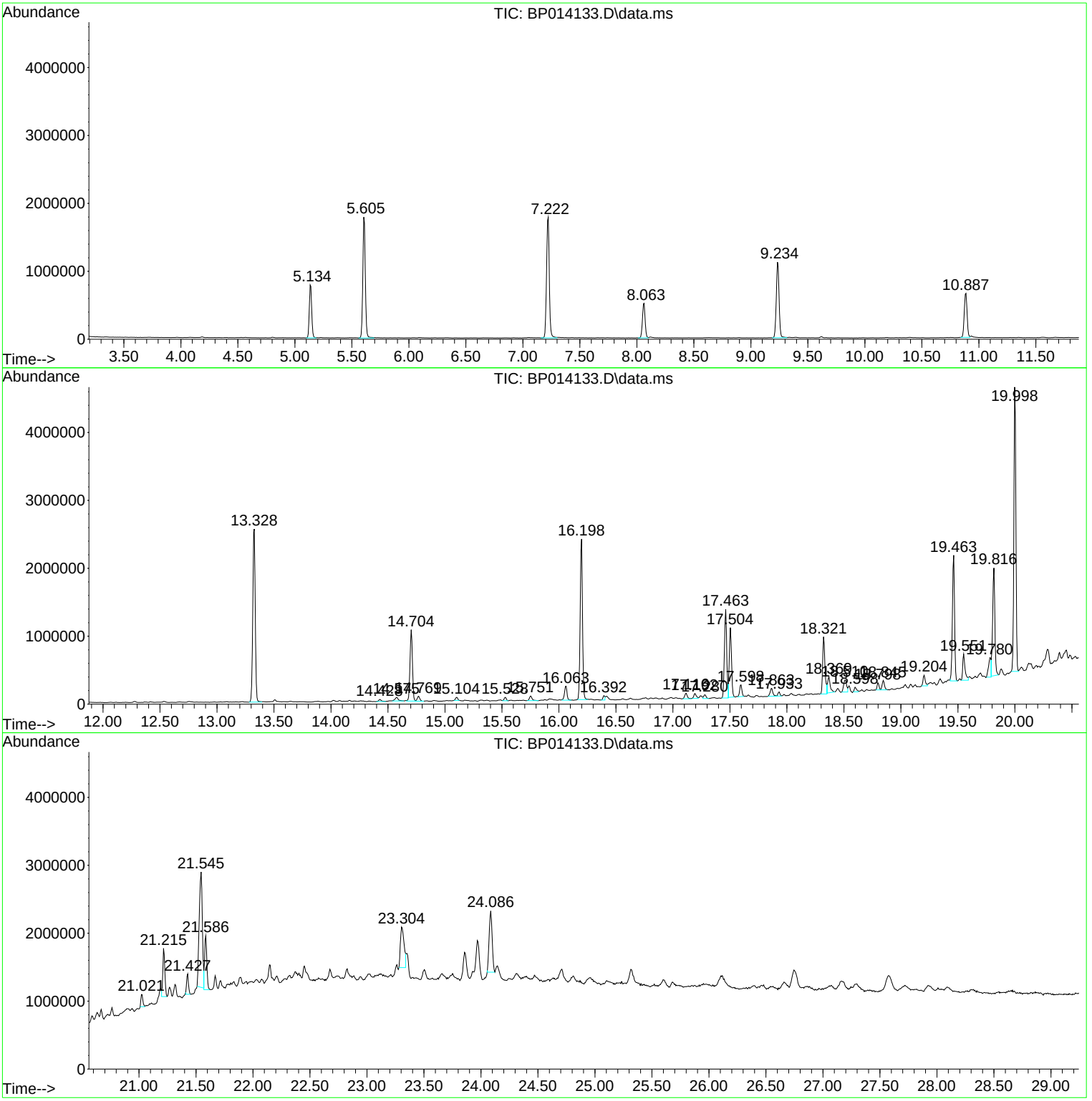
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.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\BP031723\
Data File : BP014133.D
Acq On : 17 Mar 2023 22:12
Operator : CG/JU
Sample : 01963-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

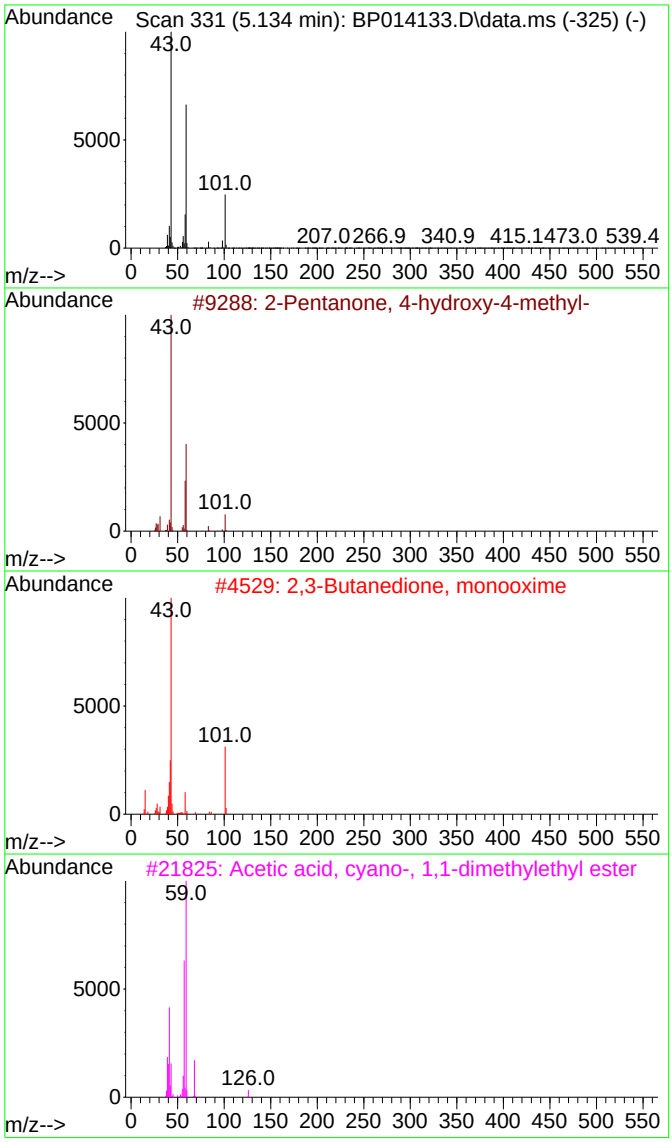
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

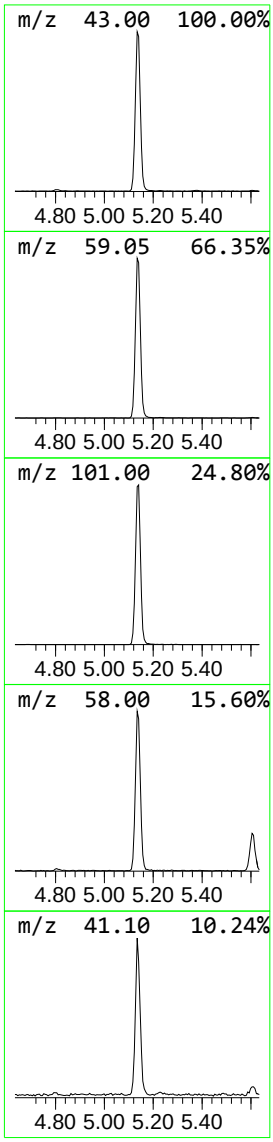
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.134	26.87 ng	1118590	1,4-Dichlorobenzene-d4	8.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Acetone	58	C3H6O	000067-64-1	10
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
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Operator : CG/JU
Sample : 01963-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

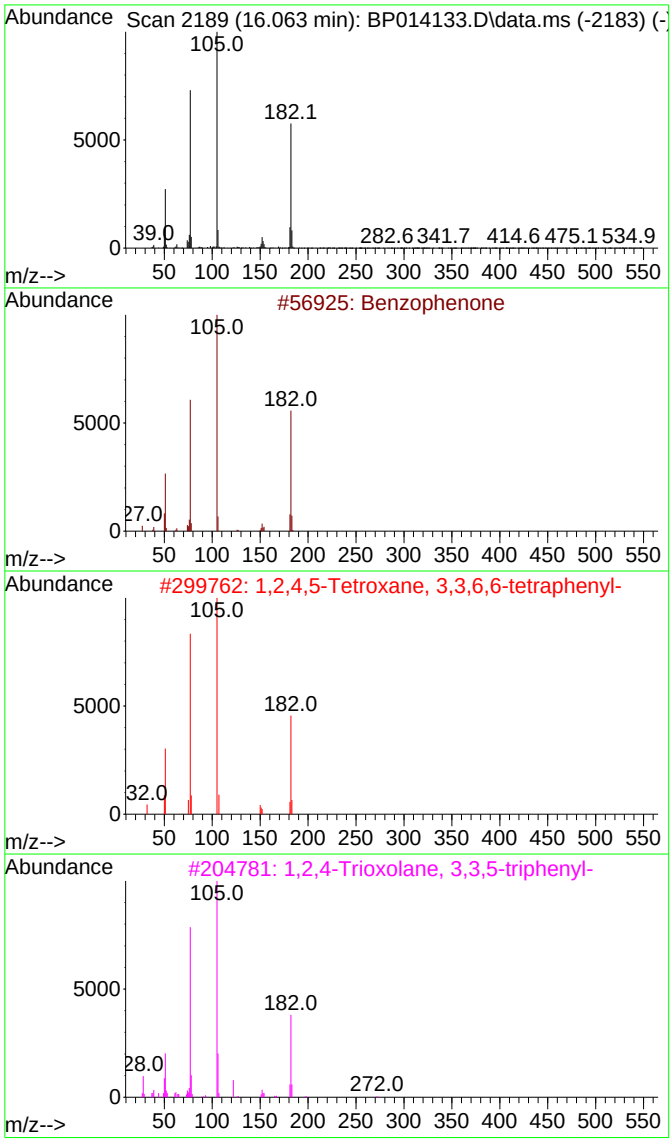
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

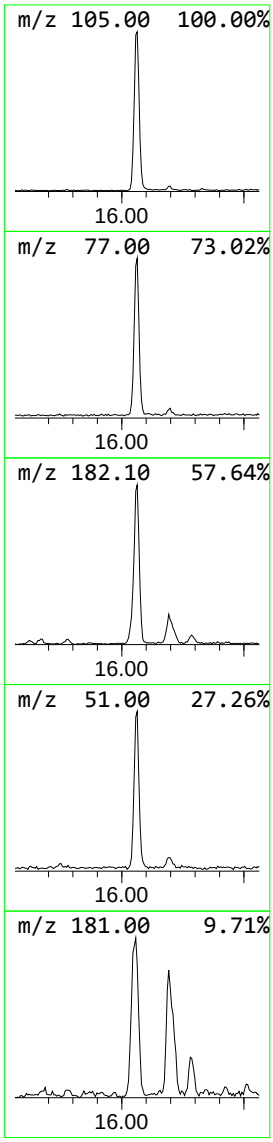
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.063	4.05 ng	309558	Acenaphthene-d10	14.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	64
4	Azobenzene	182	C12H10N2	000103-33-3	58
5	3-Mercaptobenzoic acid, S-methyl...	182	C9H10O2S	090721-40-7	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
Data File : BP014133.D
Acq On : 17 Mar 2023 22:12
Operator : CG/JU
Sample : 01963-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

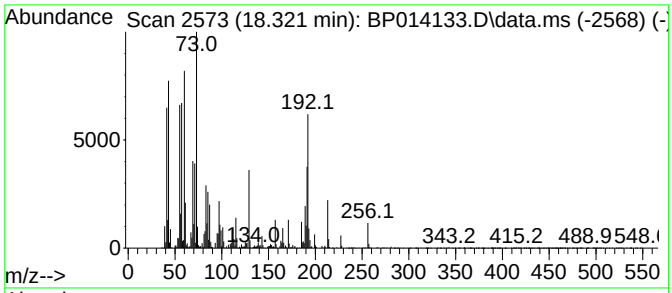
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

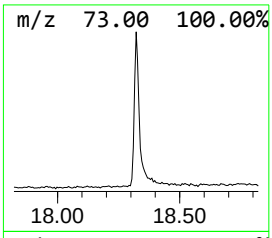
****

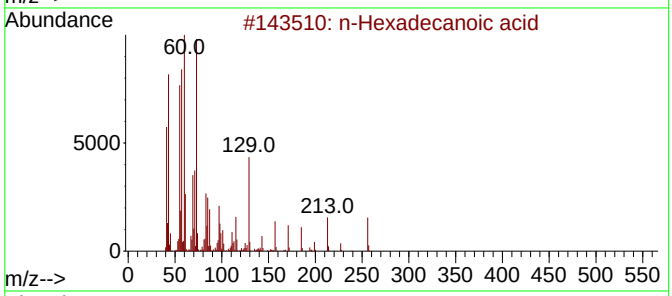
Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

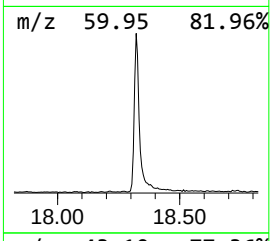
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.322	12.51 ng	1182600	Phenanthrene-d10	17.463

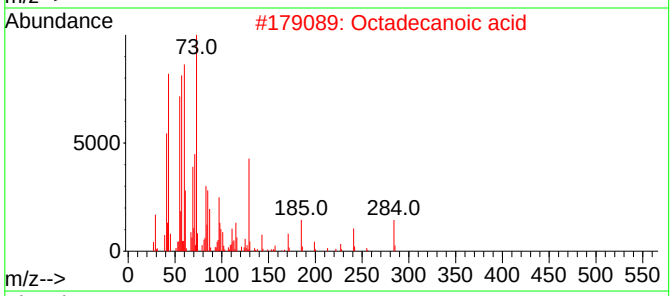
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
5	Tridecanoic acid	214	C13H26O2	000638-53-9	78

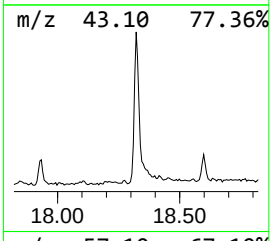


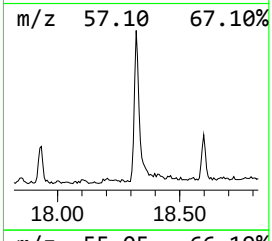


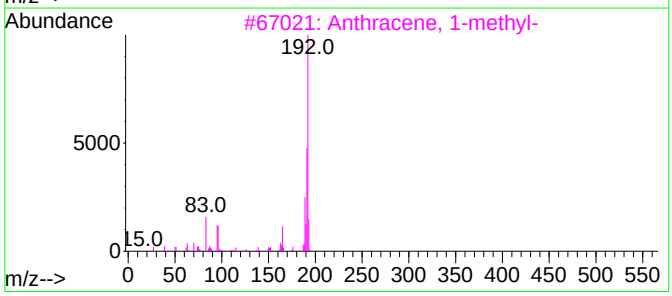


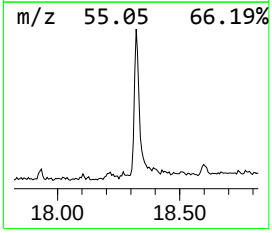












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
Data File : BP014133.D
Acq On : 17 Mar 2023 22:12
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

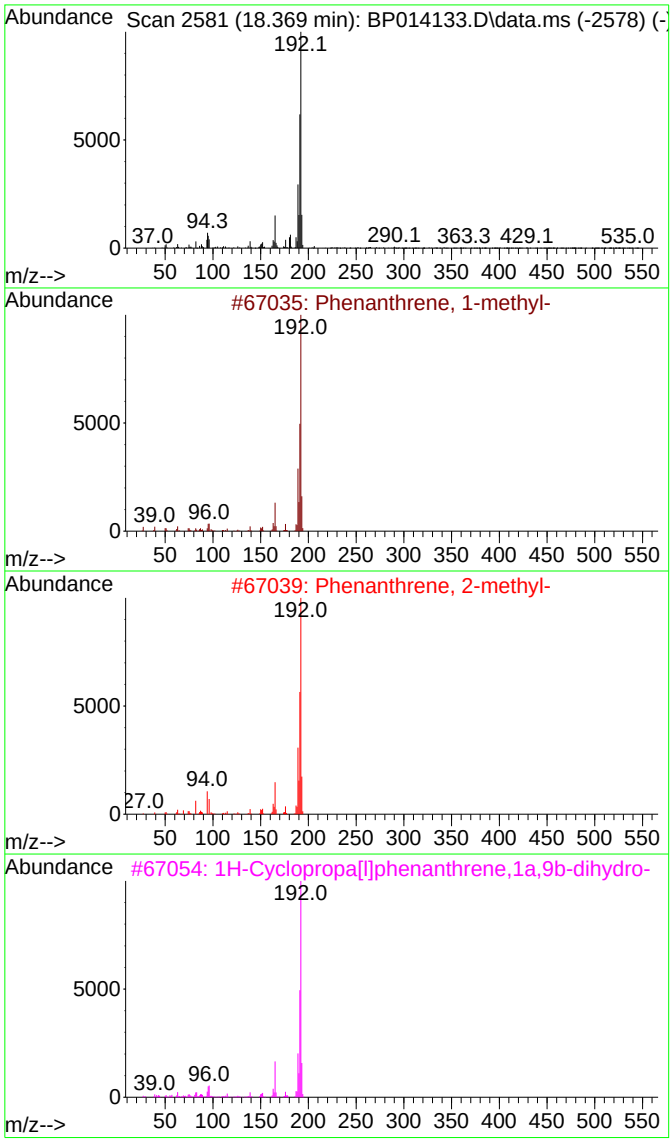
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

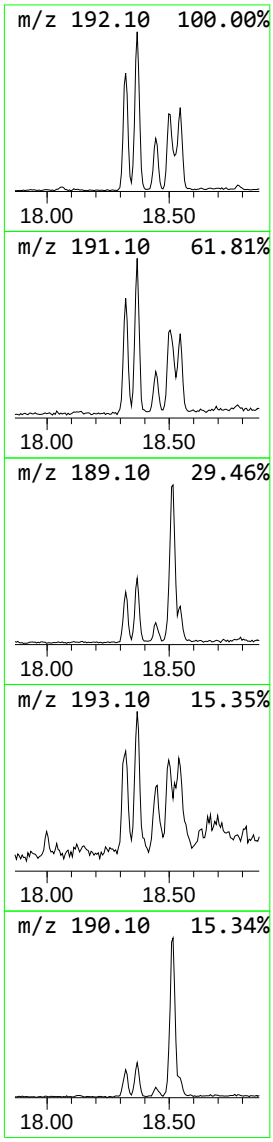
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.369	3.75 ng	354819	Phenanthrene-d10	17.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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ClientSampleId :
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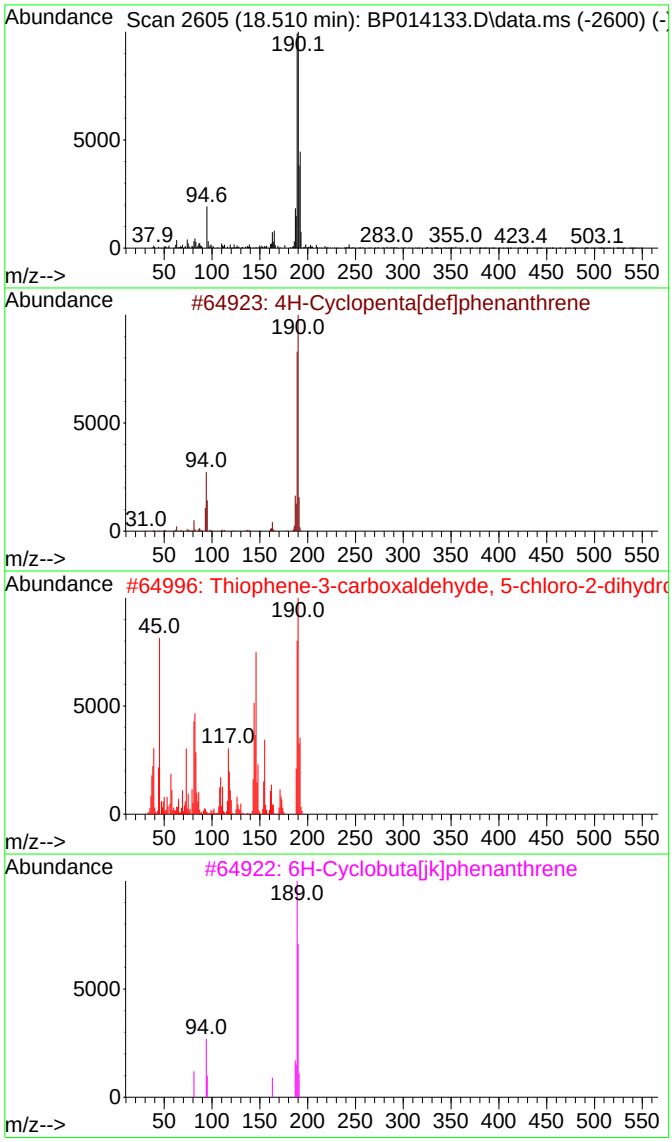
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

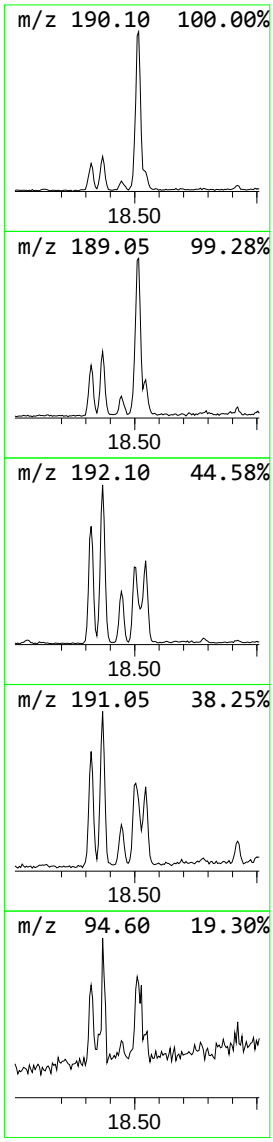
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.510	3.49 ng	330004	Phenanthrene-d10	17.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	43





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

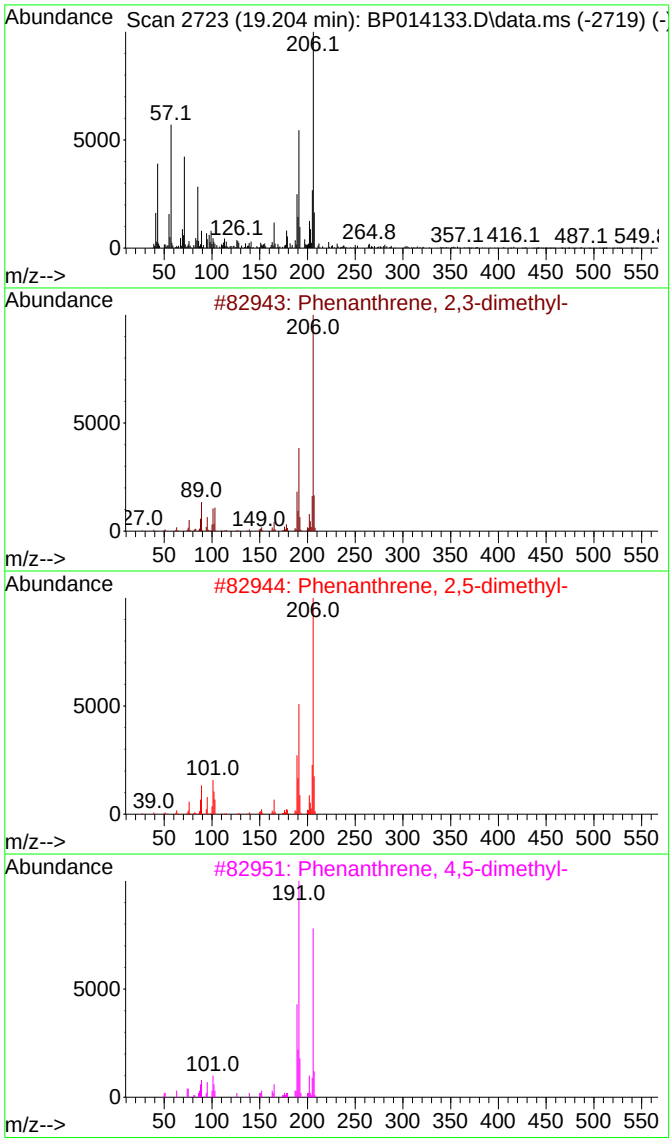
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

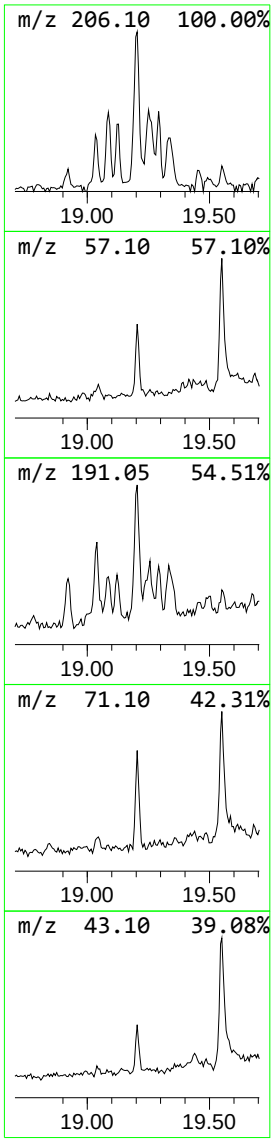
****

Peak Number 7 Phenanthrene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.204	2.27 ng	214587	Phenanthrene-d10	17.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	86
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
Data File : BP014133.D
Acq On : 17 Mar 2023 22:12
Operator : CG/JU
Sample : 01963-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

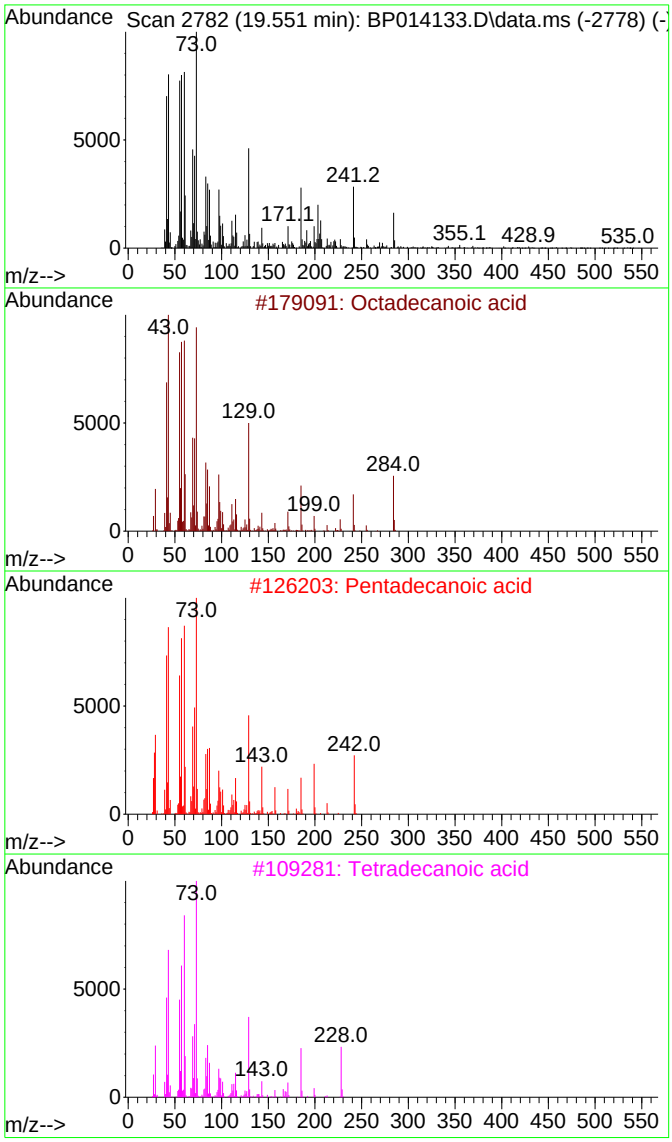
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

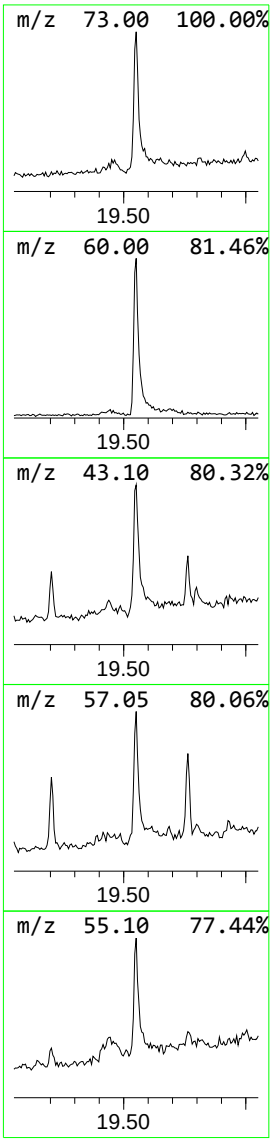
****

Peak Number 8 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.551	3.36 ng	550004	Chrysene-d12	21.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	92
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	62
4	Tridecanoic acid	214	C13H26O2	000638-53-9	58
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
Data File : BP014133.D
Acq On : 17 Mar 2023 22:12
Operator : CG/JU
Sample : 01963-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

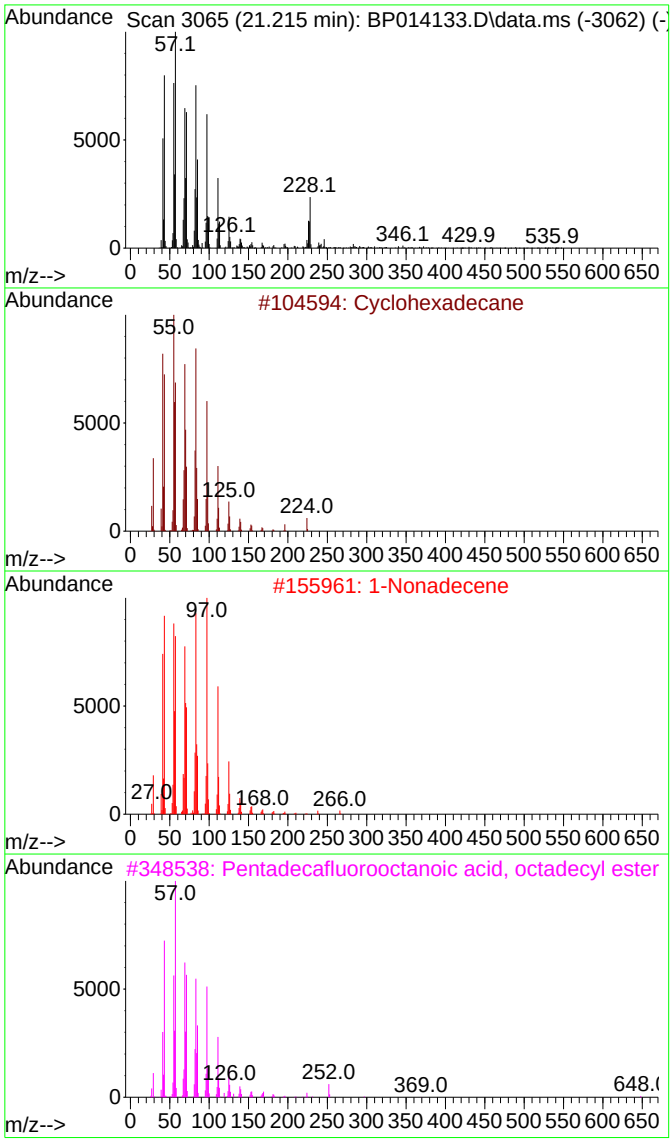
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

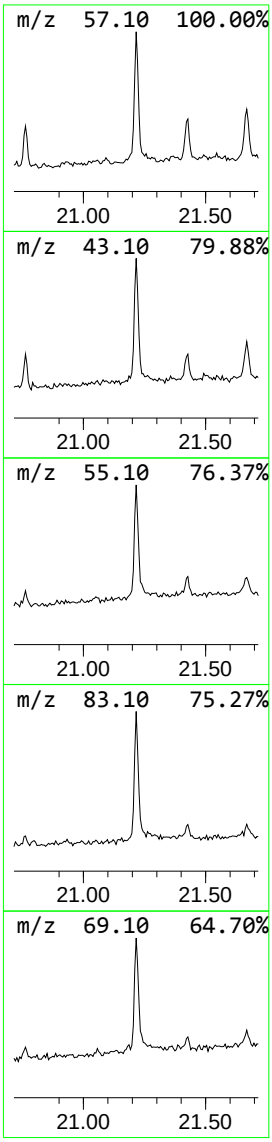
****

Peak Number 9 Cyclohexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.215	5.26 ng	862191	Chrysene-d12	21.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	1-Nonadecene	266	C19H38	018435-45-5	97
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	93
4	Pentadecafluorooctanoic acid, he...	638	C24H33F15O2	1000406-04-6	91
5	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
Data File : BP014133.D
Acq On : 17 Mar 2023 22:12
Operator : CG/JU
Sample : 01963-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.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
2-Pentanone, 4-...	5.134	26.9	ng	1118590	1	8.063	832667	20.0
Benzophenone	16.063	4.0	ng	309558	3	14.704	1528030	20.0
n-Hexadecanoic ...	18.322	12.5	ng	1182600	4	17.463	1891210	20.0
Phenanthrene, 1...	18.369	3.8	ng	354819	4	17.463	1891210	20.0
4H-Cyclopenta[d...	18.510	3.5	ng	330004	4	17.463	1891210	20.0
Phenanthrene, 2...	19.204	2.3	ng	214587	4	17.463	1891210	20.0
Octadecanoic acid	19.551	3.4	ng	550004	5	21.545	3276850	20.0
Cyclohexadecane	21.215	5.3	ng	862191	5	21.545	3276850	20.0