LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062719\
Data File : BG041490.D
Acq On : 27 Jun 2019 14:22
Operator : HP/JU
Sample : K3524-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOIL-001

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-BG062619.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	5.567	416	422	431	rBV	463031	755640	33.67%	6.148%
2	7.189	691	698	713	rBV	502406	888301	39.59%	7.228%
3	7.559	754	761	774	rVB	503730	873606	38.93%	7.108%
4	8.029	835	841	852	rBV	94119	172292	7.68%	1.402%
5	8.352	889	896	907	rVB	396564	668243	29.78%	5.437%
6	9.210	1035	1042	1055	rBV	307547	563970	25.13%	4.589%
7	10.855	1315	1322	1332	rBV	111537	212904	9.49%	1.732%
8	13.293	1730	1737	1748	rBV	881946	1328341	59.19%	10.808%
9	14.122	1872	1878	1888	rBV	93698	142344	6.34%	1.158%
10	14.674	1966	1972	1980	rBV2	206022	335152	14.94%	2.727%
11	16.166	2219	2226	2243	rBV	782745	1220684	54.40%	9.932%
12	17.424	2434	2440	2445	rBV2	301046	449178	20.02%	3.655%
13	17.465	2445	2447	2452	rVB	22072	30827	1.37%	0.251%
14	18.282	2581	2586	2595	rBV3	39081	80591	3.59%	0.656%
15	19.474	2782	2789	2797	rBV	100490	143804	6.41%	1.170%
16	19.809	2841	2846	2847	rBV4	18765	25480	1.14%	0.207%
17	19.839	2847	2851	2858	rVB	87642	123287	5.49%	1.003%
18	20.027	2877	2883	2891	rBV	1819438	2244010	100.00%	18.259%
19	20.291	2924	2928	2931	rBV4	17603	27424	1.22%	0.223%
20	20.320	2931	2933	2939	rVB2	15990	24526	1.09%	0.200%
21	21.290	3090	3098	3101	rBV5	20925	43358	1.93%	0.353%
22	21.695	3159	3167	3173	rBV3	331598	645475	28.76%	5.252%
23	21.742	3173	3175	3183	rVV2	50042	72462	3.23%	0.590%
24	21.836	3187	3191	3197	rVB4	22661	35287	1.57%	0.287%
25	22.441	3289	3294	3300	rVB2	38314	70500	3.14%	0.574%
26	23.141	3408	3413	3420	rVB2	39237	64452	2.87%	0.524%
27	23.334	3441	3446	3451	rVB3	23663	46611	2.08%	0.379%
28	23.940	3539	3549	3557	rBV4	70175	237426	10.58%	1.932%
29	24.674	3667	3674	3681	rBV	22250	61209	2.73%	0.498%
30	24.821	3693	3699	3707	rBV	28087	75125	3.35%	0.611%
31	24.909	3708	3714	3718	rVV6	23490	53230	2.37%	0.433%
32	24.980	3718	3726	3737	rVB2	180088	502120	22.38%	4.086%
33	26.049	3900	3908	3919	rVB5	23586	72157	3.22%	0.587%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062719\
Data File : BG041490.D
Acq On : 27 Jun 2019 14:22
Operator : HP/JU
Sample : K3524-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOIL-001

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-BG062619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

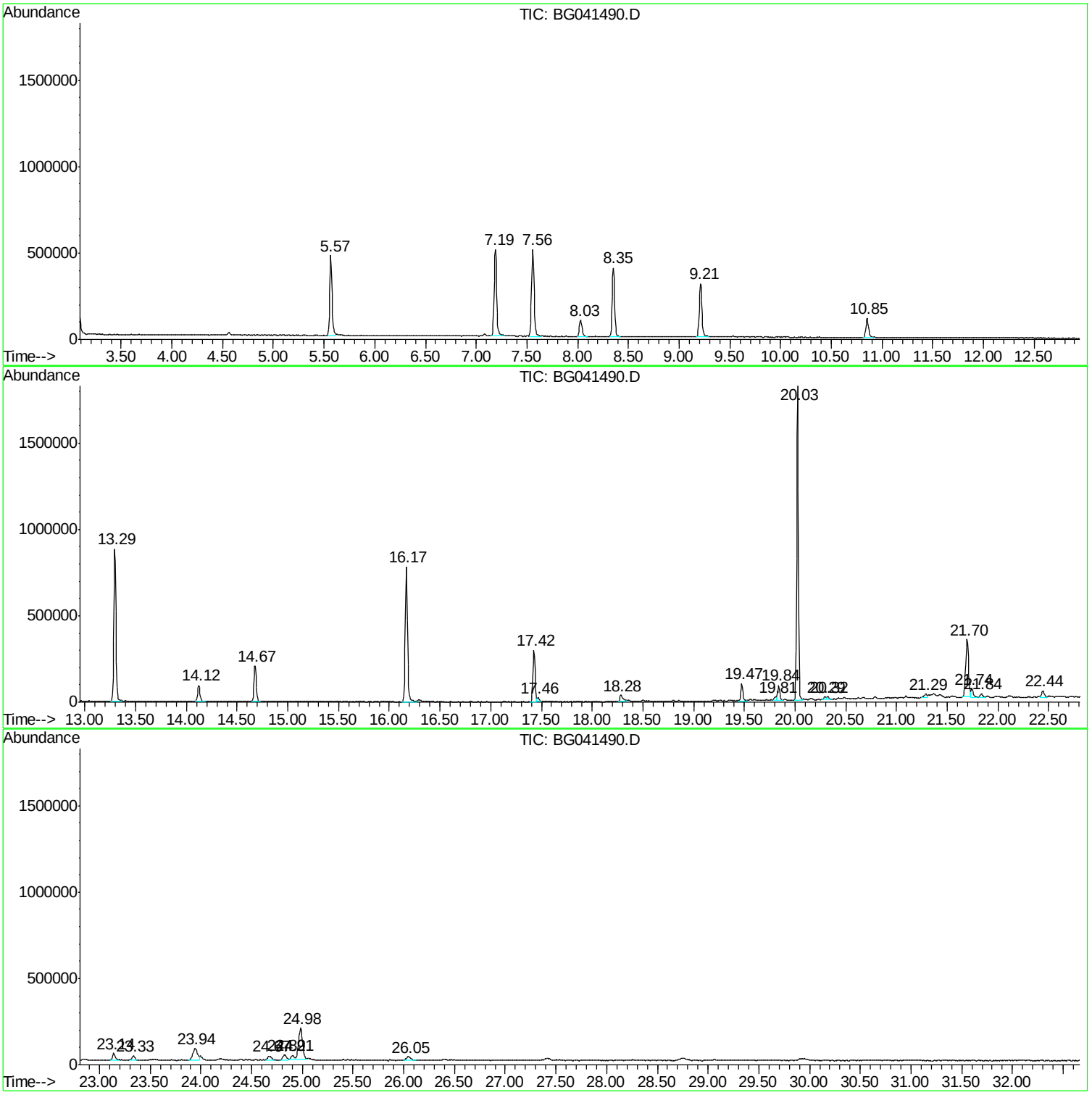
Sum of corrected areas: 12290016

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062719\
Data File : BG041490.D
Acq On : 27 Jun 2019 14:22
Operator : HP/JU
Sample : K3524-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062719\
Data File : BG041490.D
Acq On : 27 Jun 2019 14:22
Operator : HP/JU
Sample : K3524-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

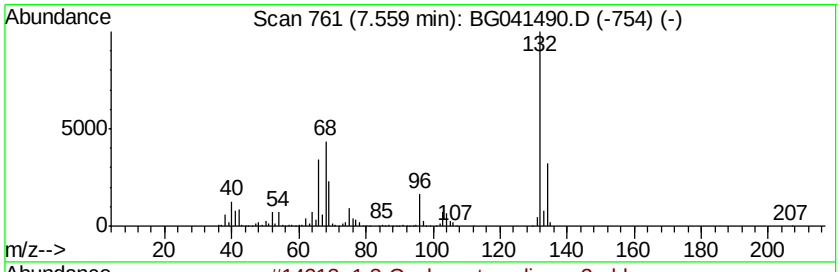
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

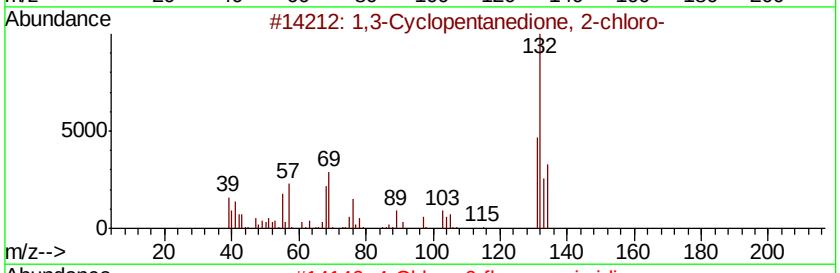
****

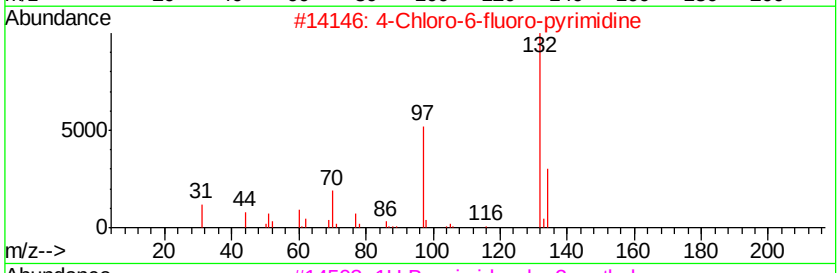
Peak Number 1 unknown7.56 Concentration Rank 1

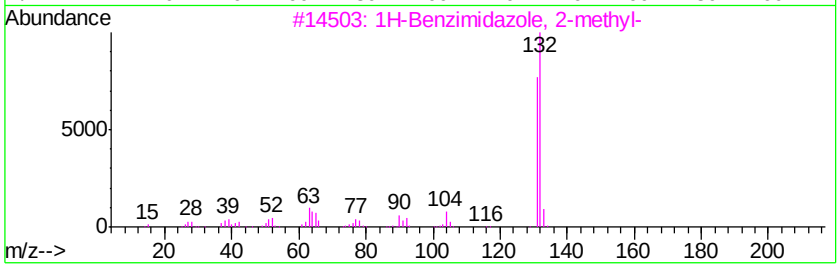
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	101.41 ng	873606	1,4-Dichlorobenzene-d4	8.03

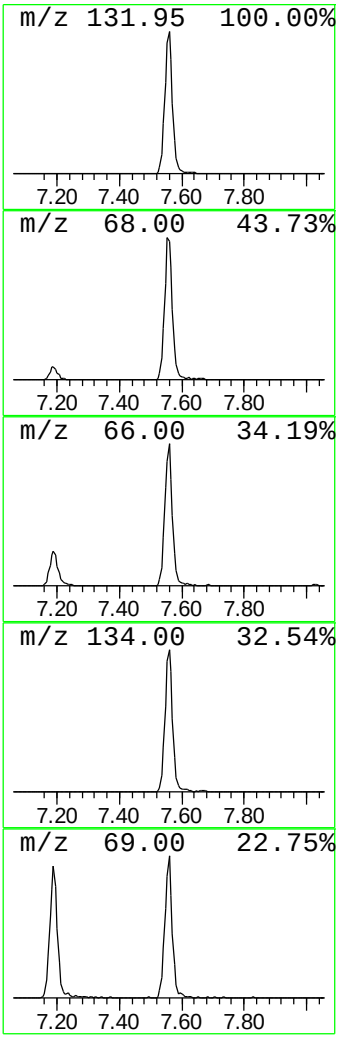
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	35
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	5-Aminoindole	132	C8H8N2	005192-03-0	12











Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062719\
Data File : BG041490.D
Acq On : 27 Jun 2019 14:22
Operator : HP/JU
Sample : K3524-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

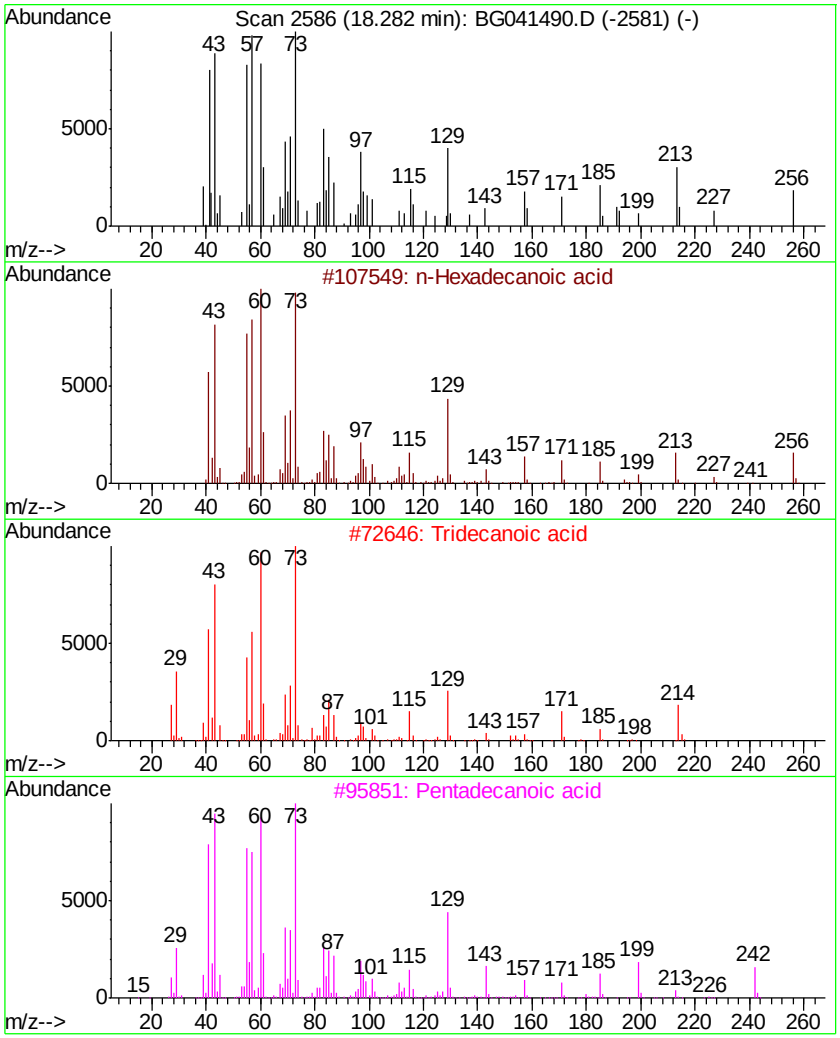
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

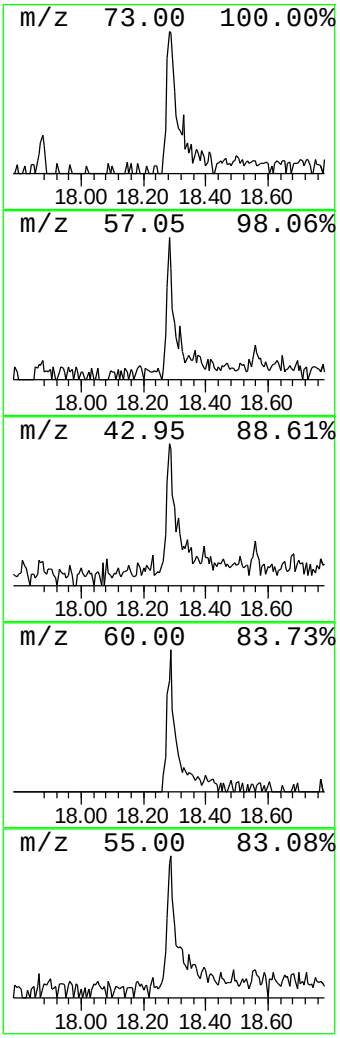
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	3.59 ng	80591	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Tridecanoic acid	214	C13H26O2	000638-53-9	62
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	52
5	11-Bromoundecanoic acid	264	C11H21BrO2	002834-05-1	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062719\
Data File : BG041490.D
Acq On : 27 Jun 2019 14:22
Operator : HP/JU
Sample : K3524-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

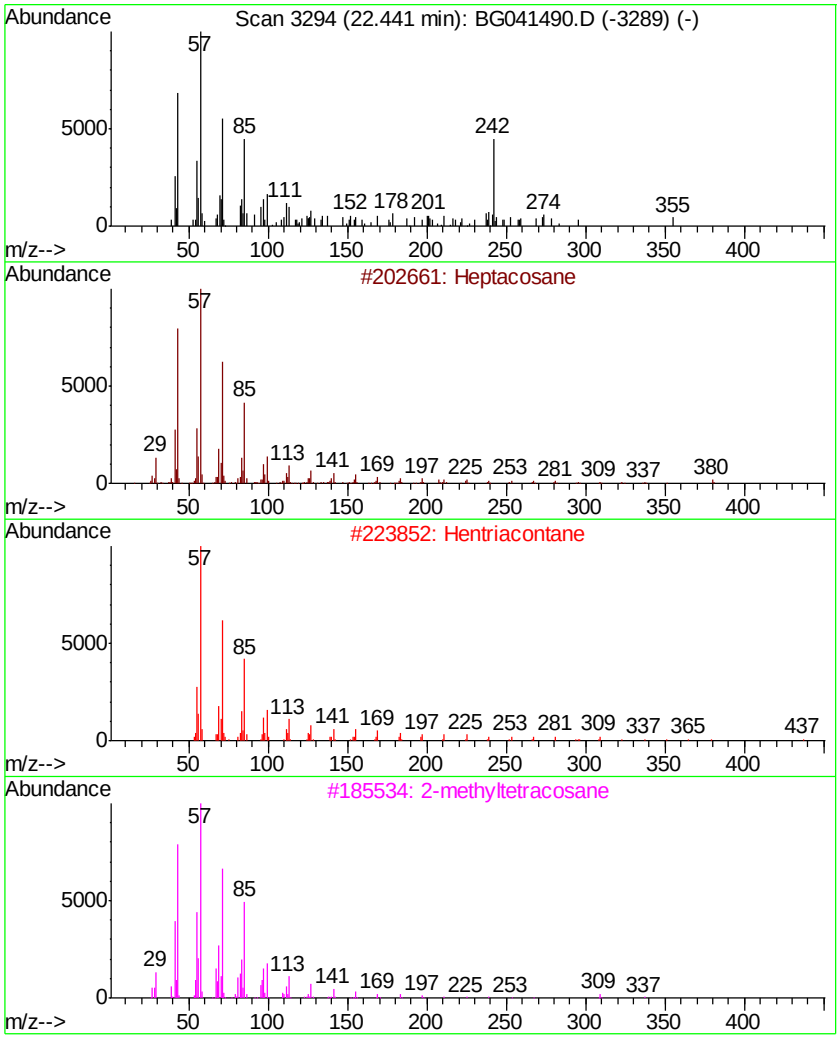
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

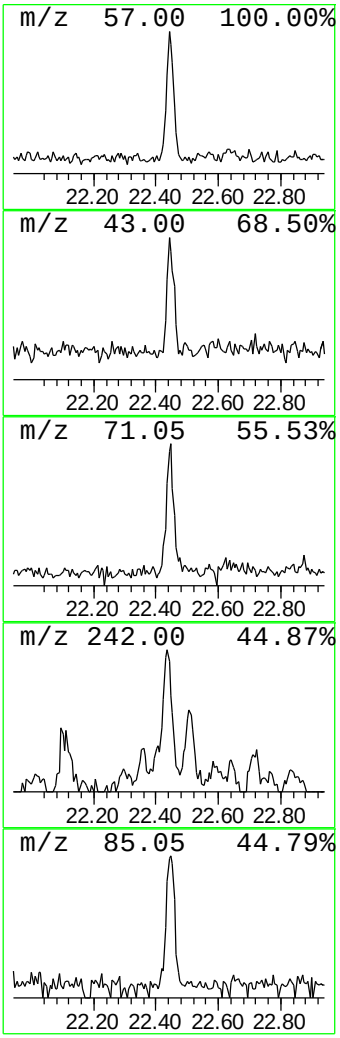
****

Peak Number 4 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.44	2.18 ng	70500	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	50
2	Hentriacontane	437	C31H64	000630-04-6	50
3	2-methyltetracosane	352	C25H52	1000376-72-6	45
4	Tetratetracontane	619	C44H90	007098-22-8	45
5	Heneicosane	296	C21H44	000629-94-7	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062719\
Data File : BG041490.D
Acq On : 27 Jun 2019 14:22
Operator : HP/JU
Sample : K3524-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

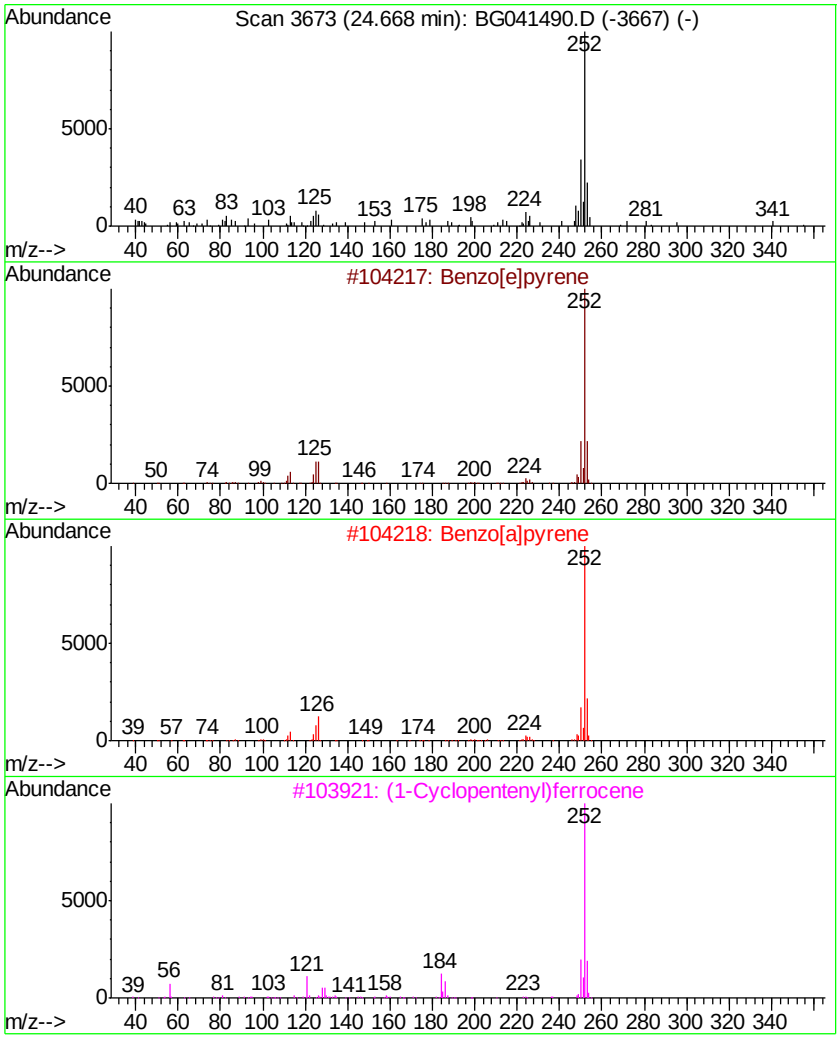
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

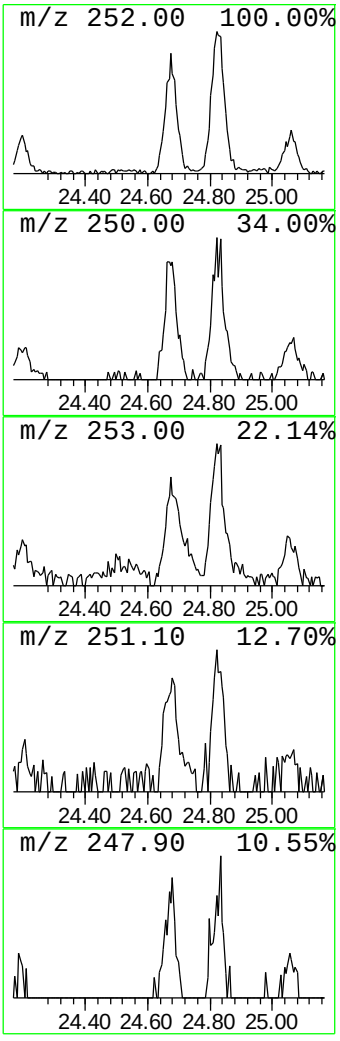
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.67	2.44 ng	61209	Perylene-d12	24.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	81
2	Benzo[a]pyrene	252	C20H12	000050-32-8	81
3	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	80
4	Perylene	252	C20H12	000198-55-0	76
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062719\
Data File : BG041490.D
Acq On : 27 Jun 2019 14:22
Operator : HP/JU
Sample : K3524-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

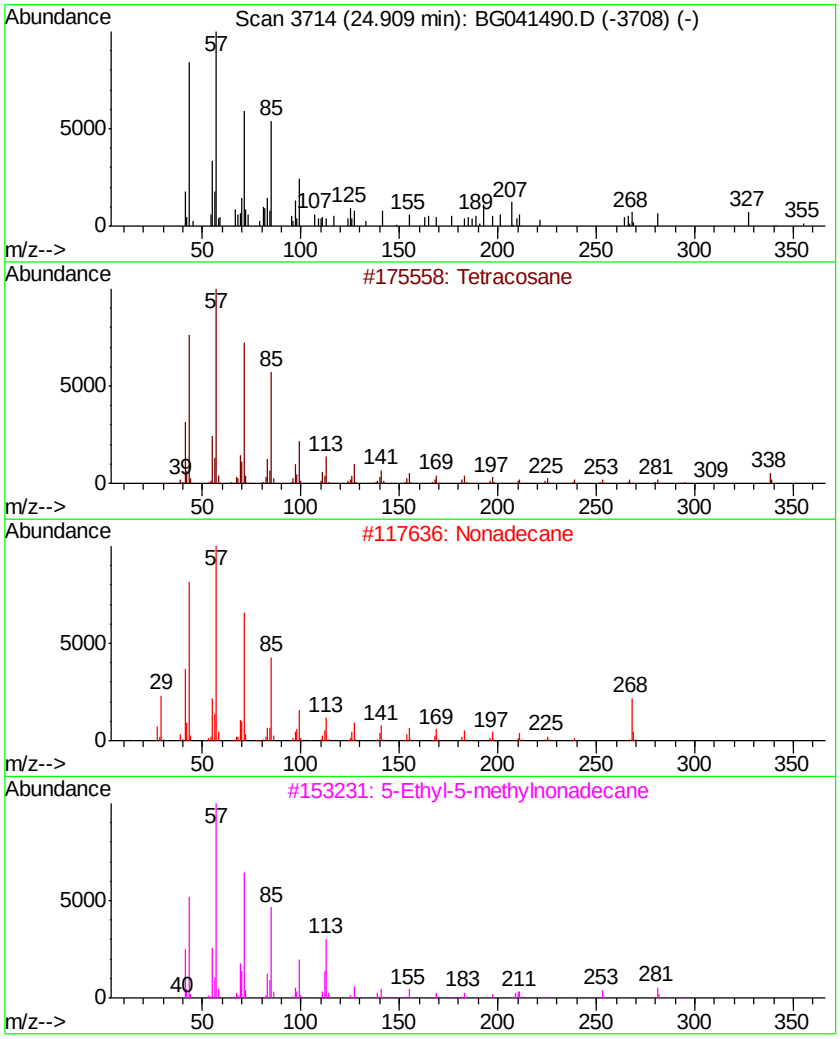
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

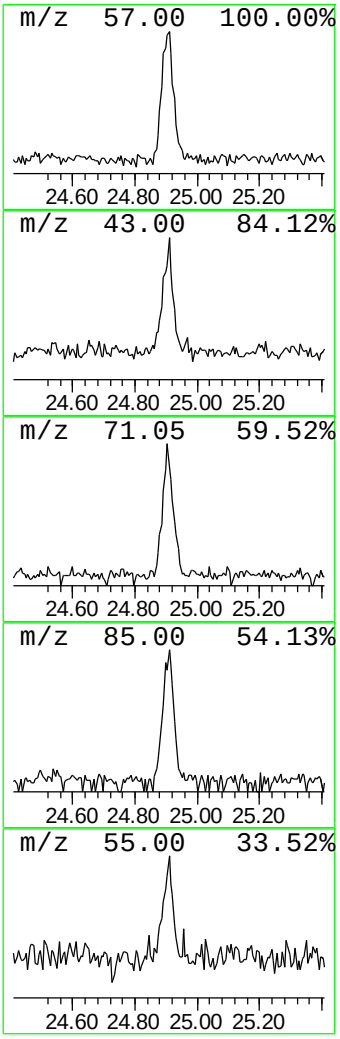
****

Peak Number 6 Tetracosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.91	2.12 ng	53230	Perylene-d12	24.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	64
2	Nonadecane	268	C19H40	000629-92-5	64
3	5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	64
4	Pentacosane	352	C25H52	000629-99-2	58
5	2-methyloctacosane	408	C29H60	1000376-72-8	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062719\
Data File : BG041490.D
Acq On : 27 Jun 2019 14:22
Operator : HP/JU
Sample : K3524-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

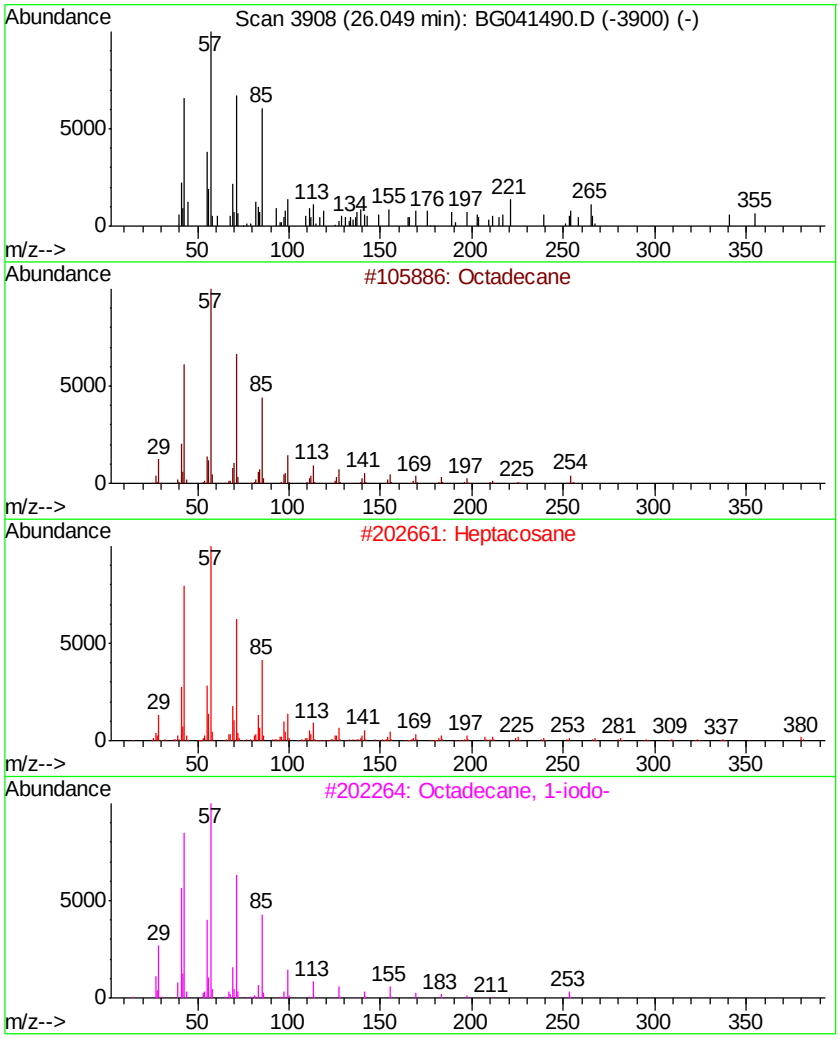
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

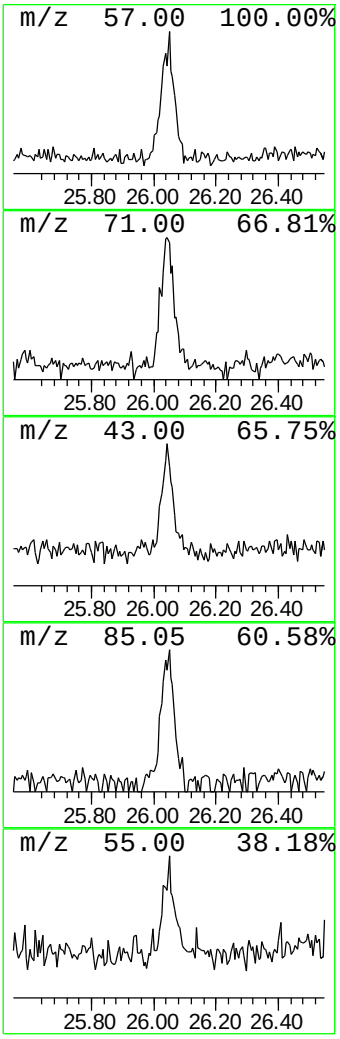
****

Peak Number 7 Octadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.05	2.87 ng	72157	Perylene-d12	24.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	86
2	Heptacosane	380	C27H56	000593-49-7	58
3	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	52
4	Hexacosane	366	C26H54	000630-01-3	50
5	10-Methylnonadecane	282	C20H42	056862-62-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062719\
Data File : BG041490.D
Acq On : 27 Jun 2019 14:22
Operator : HP/JU
Sample : K3524-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOIL-001

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.56	7.56	101.4	ng	873606	1	8.03	172292	20.0
n-Hexadecanoic acid	18.28	3.6	ng	80591	4	17.42	449178	20.0
Heptacosane	22.44	2.2	ng	70500	5	21.70	645475	20.0
Benzo[e]pyrene	24.67	2.4	ng	61209	6	24.98	502120	20.0
Tetracosane	24.91	2.1	ng	53230	6	24.98	502120	20.0
Octadecane	26.05	2.9	ng	72157	6	24.98	502120	20.0