LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110520\
Data File : BG047220.D
Acq On : 5 Nov 2020 11:23
Operator : CG/JU
Sample : L4548-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-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_G\METHODS\8270-BG110420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG047220.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.558	371	378	387	rBV	980853	1547256	17.26%	0.945%
2	7.162	644	651	661	rBV	1084937	1825062	20.36%	1.115%
3	7.568	711	720	732	rBV	1255708	2081674	23.22%	1.271%
4	7.897	767	776	784	rBV	1315424	2134277	23.81%	1.303%
5	8.003	788	794	802	rBV	183070	311285	3.47%	0.190%
6	8.361	847	855	863	rVB	2006302	3445138	38.43%	2.104%
7	9.095	971	980	986	rBV	1831122	3107726	34.67%	1.898%
8	9.172	986	993	996	rVV	611055	1163681	12.98%	0.711%
9	9.225	996	1002	1009	rVB	2085905	3812040	42.52%	2.328%
10	9.930	1113	1122	1131	rBV	1827108	3284829	36.64%	2.006%
11	10.218	1163	1171	1185	rBV	671737	1058259	11.80%	0.646%
12	10.682	1241	1250	1260	rBV	2660260	4599208	51.30%	2.809%
13	10.817	1264	1273	1277	rVV	261946	526861	5.88%	0.322%
14	10.870	1277	1282	1291	rVB	1752913	2995404	33.41%	1.829%
15	11.152	1322	1330	1338	rBV	2825841	4787076	53.40%	2.924%
16	12.474	1547	1555	1564	rBV	2035676	3260042	36.37%	1.991%
17	13.073	1649	1657	1671	rBV	1982467	3149785	35.14%	1.924%
18	13.267	1681	1690	1697	rBV	1865858	2856007	31.86%	1.744%
19	14.095	1824	1831	1839	rBV	139286	215110	2.40%	0.131%
20	14.219	1845	1852	1859	rVB	1727398	2603697	29.04%	1.590%
21	14.372	1869	1878	1886	rVB	3314265	5209060	58.11%	3.181%
22	14.642	1917	1924	1929	rBV	435111	673881	7.52%	0.412%
23	14.712	1929	1936	1943	rVB	3755202	5776977	64.44%	3.528%
24	14.853	1952	1960	1974	rBV	922470	1509310	16.84%	0.922%
25	15.006	1978	1986	1989	rVV	1707212	2842739	31.71%	1.736%
26	15.047	1989	1993	2002	rVB	4684568	7013876	78.24%	4.284%
27	15.459	2052	2063	2070	rBV	4263819	6227699	69.47%	3.804%
28	15.694	2095	2103	2110	rBV	1800628	2734153	30.50%	1.670%
29	16.128	2169	2177	2190	rBV	1677457	2462382	27.47%	1.504%
30	16.575	2246	2253	2260	rBV	3827645	5523098	61.61%	3.373%
31	16.698	2266	2274	2284	rVB	2658032	3956113	44.13%	2.416%
32	17.039	2324	2332	2346	rBV	2301130	3462183	38.62%	2.115%
33	17.386	2384	2391	2394	rBV	525905	834111	9.30%	0.509%
34	17.439	2394	2400	2411	rVB	4283386	6731530	75.09%	4.111%
35	18.267	2535	2541	2548	rBV3	58578	91256	1.02%	0.056%
36	19.436	2733	2740	2750	rVB	2970159	4304734	48.02%	2.629%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110520\
Data File : BG047220.D
Acq On : 5 Nov 2020 11:23
Operator : CG/JU
Sample : L4548-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-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_G\METHODS\8270-BG110420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.801	2793	2802	2808	rBV	1645410	2354357	26.26%	1.438%
38	19.994	2829	2835	2842	rBV	3752935	4733372	52.80%	2.891%
39	20.682	2946	2952	2957	rBV	5078729	6284097	70.10%	3.838%
40	21.287	3050	3055	3072	rBV	321285	676866	7.55%	0.413%
41	21.534	3090	3097	3105	rVB	3508207	4742986	52.91%	2.897%
42	21.634	3105	3114	3120	rBV2	2905832	5590255	62.36%	3.414%
43	21.704	3120	3126	3138	rVB	3906460	6286054	70.12%	3.839%
44	22.433	3245	3250	3255	rBV2	77324	124070	1.38%	0.076%
45	22.732	3293	3301	3309	rVB	1817941	3075152	34.30%	1.878%
46	23.907	3488	3501	3512	rBV	2729637	6929644	77.30%	4.232%
47	24.695	3623	3635	3645	rBV	1253510	3526436	39.34%	2.154%
48	24.842	3650	3660	3672	rVB	376833	1043474	11.64%	0.637%
49	25.970	3843	3852	3865	rVB4	193719	614219	6.85%	0.375%
50	26.099	3865	3874	3878	rBV9	40926	114527	1.28%	0.070%
51	28.097	4203	4214	4227	rVB7	58494	219504	2.45%	0.134%
52	28.526	4258	4287	4304	rBV3	1710542	8964529	100.00%	5.475%
53	29.172	4385	4397	4403	rBV8	78913	337641	3.77%	0.206%

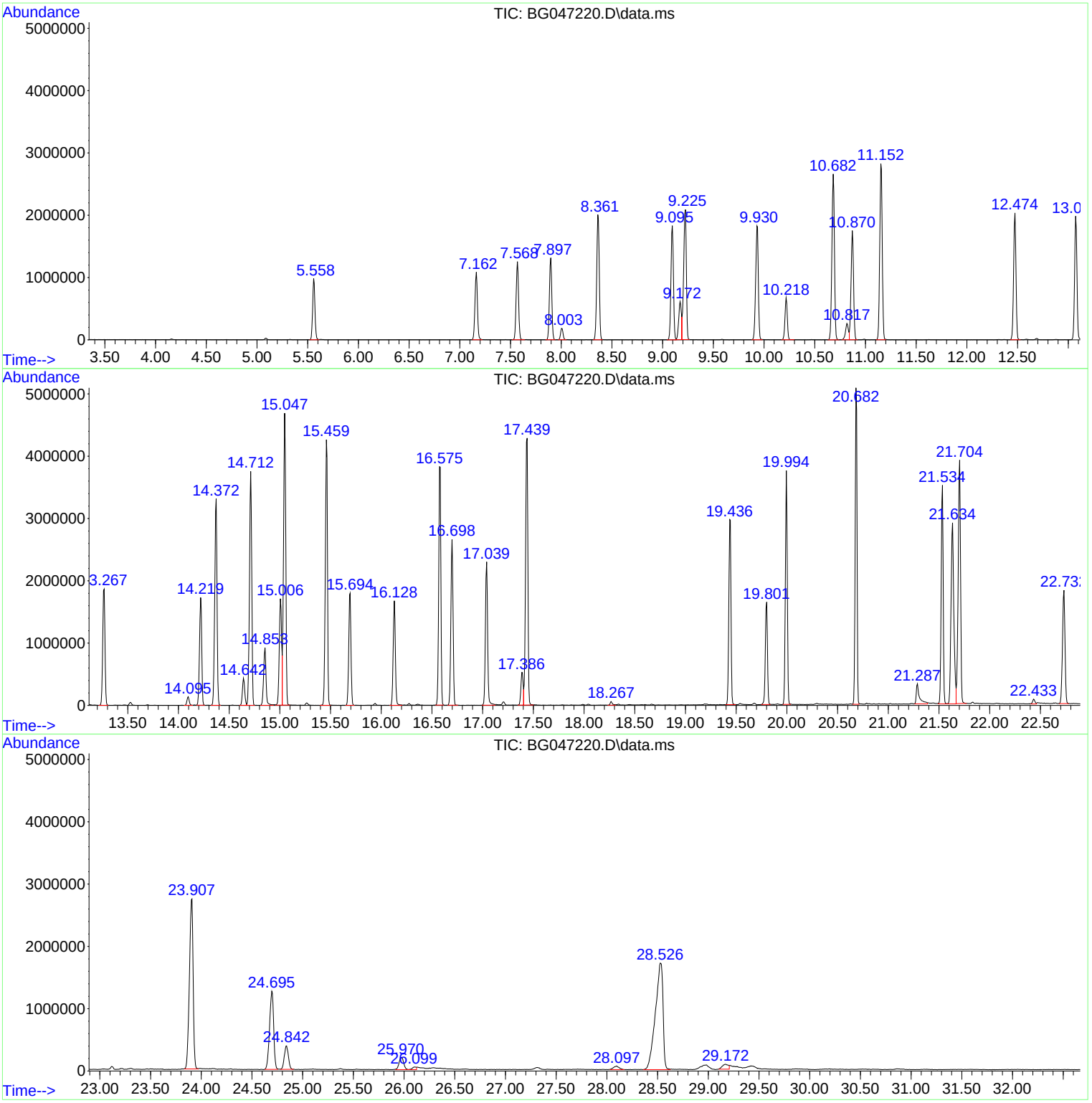
Sum of corrected areas: 163734702

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110520\
Data File : BG047220.D
Acq On : 5 Nov 2020 11:23
Operator : CG/JU
Sample : L4548-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG110420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110520\
Data File : BG047220.D
Acq On : 5 Nov 2020 11:23
Operator : CG/JU
Sample : L4548-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG110420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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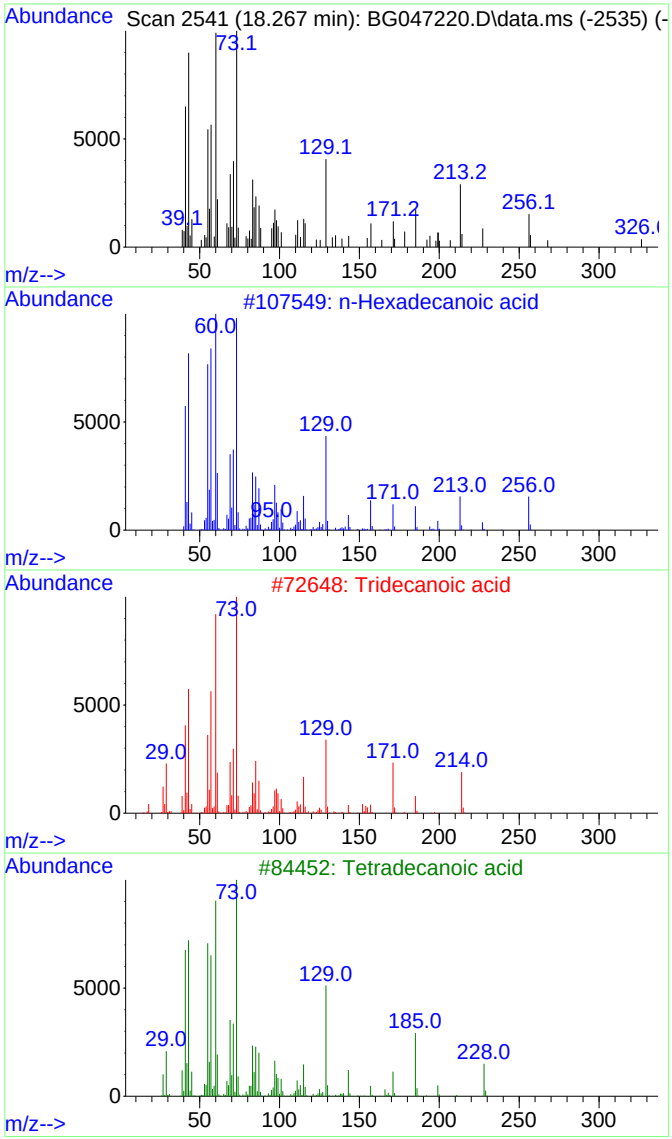
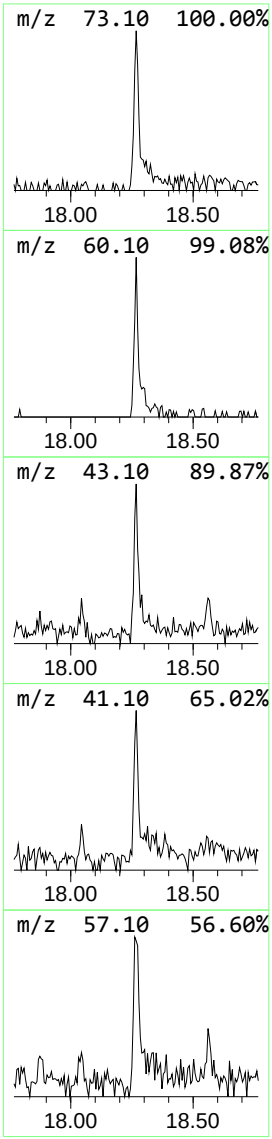
Peak Number 1 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.267	2.19 ng	91256	Phenanthrene-d10	17.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	n-Decanoic acid	172	C10H20O2	000334-48-5	76
5	Octadecanoic acid	284	C18H36O2	000057-11-4	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110520\
Data File : BG047220.D
Acq On : 5 Nov 2020 11:23
Operator : CG/JU
Sample : L4548-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG110420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

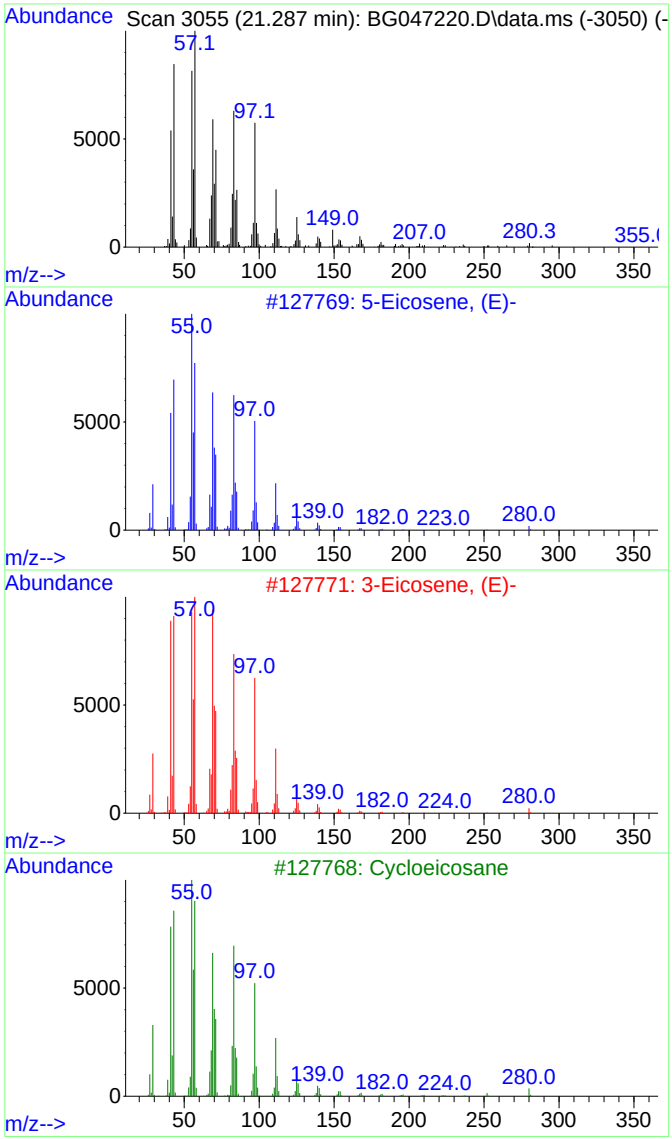
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

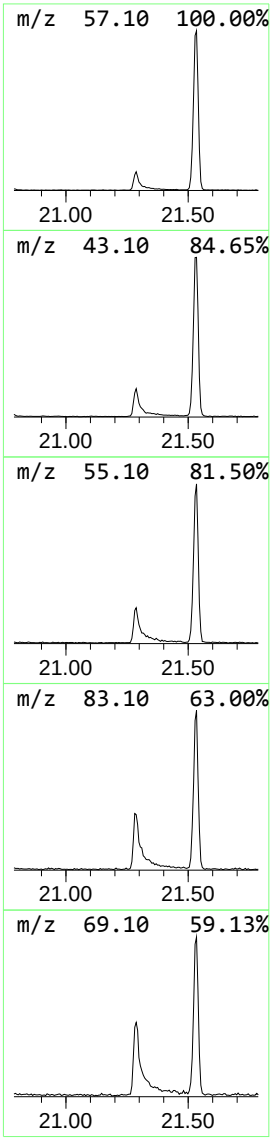
****

Peak Number 2 5-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.287	2.42 ng	676866	Chrysene-d12	21.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	97
3	Cycloeicosane	280	C20H40	000296-56-0	95
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110520\
Data File : BG047220.D
Acq On : 5 Nov 2020 11:23
Operator : CG/JU
Sample : L4548-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG110420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

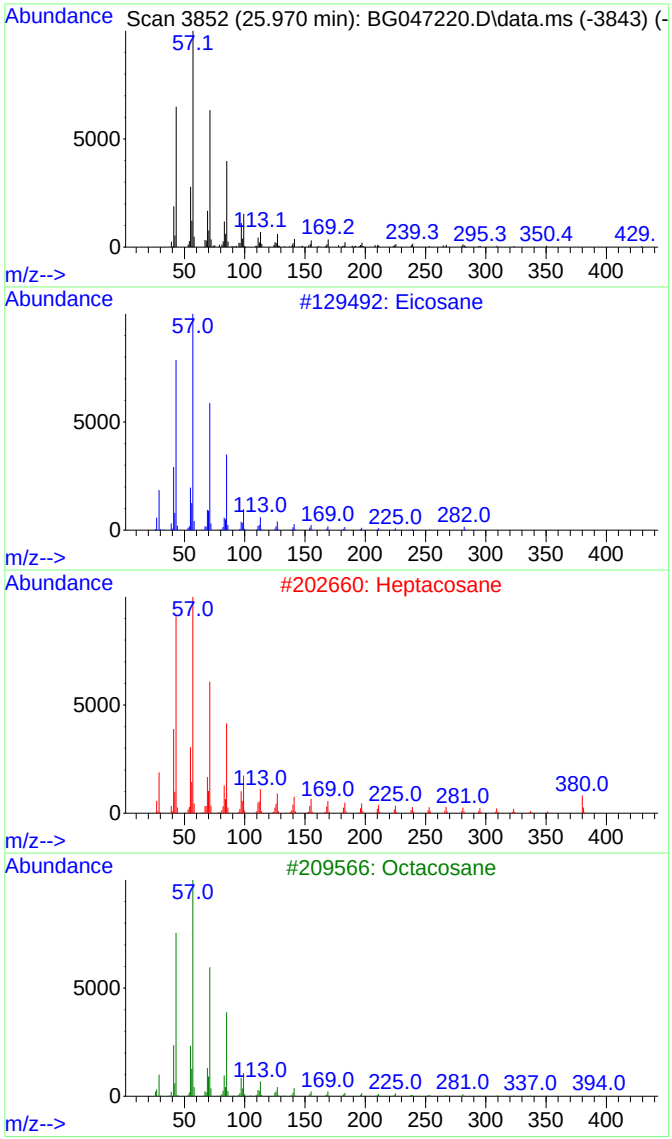
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

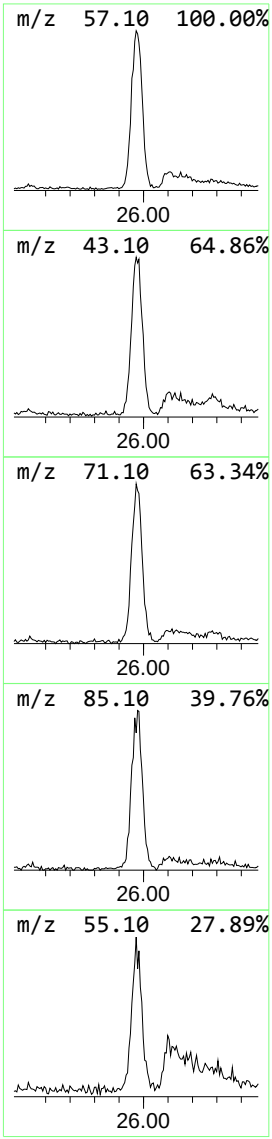
****

Peak Number 3 Eicosane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.970	11.77 ng	614219	Perylene-d12	24.836

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heptacosane	380	C27H56	000593-49-7	91
3	Octacosane	394	C28H58	000630-02-4	90
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
5	Tetratetracontane	619	C44H90	007098-22-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110520\
Data File : BG047220.D
Acq On : 5 Nov 2020 11:23
Operator : CG/JU
Sample : L4548-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

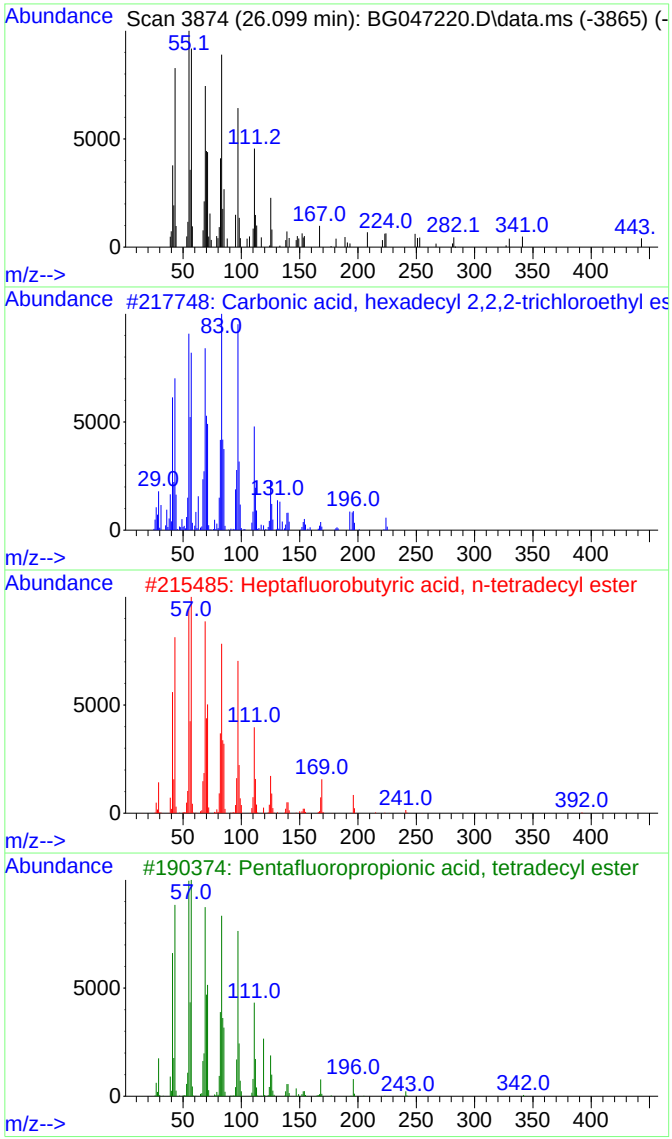
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG110420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

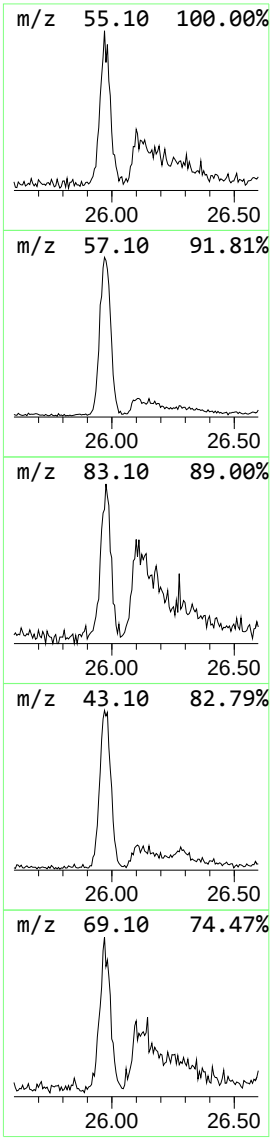
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Carbonic acid, hexadecyl 2,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.099	2.20 ng	114527	Perylene-d12	24.836

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, hexadecyl 2,2,2-t...	416	C19H35Cl3O3	1000314-56-2	91
2	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	91
3	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	91
4	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	91
5	1-Heptacosanol	396	C27H56O	002004-39-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110520\
Data File : BG047220.D
Acq On : 5 Nov 2020 11:23
Operator : CG/JU
Sample : L4548-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG110420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

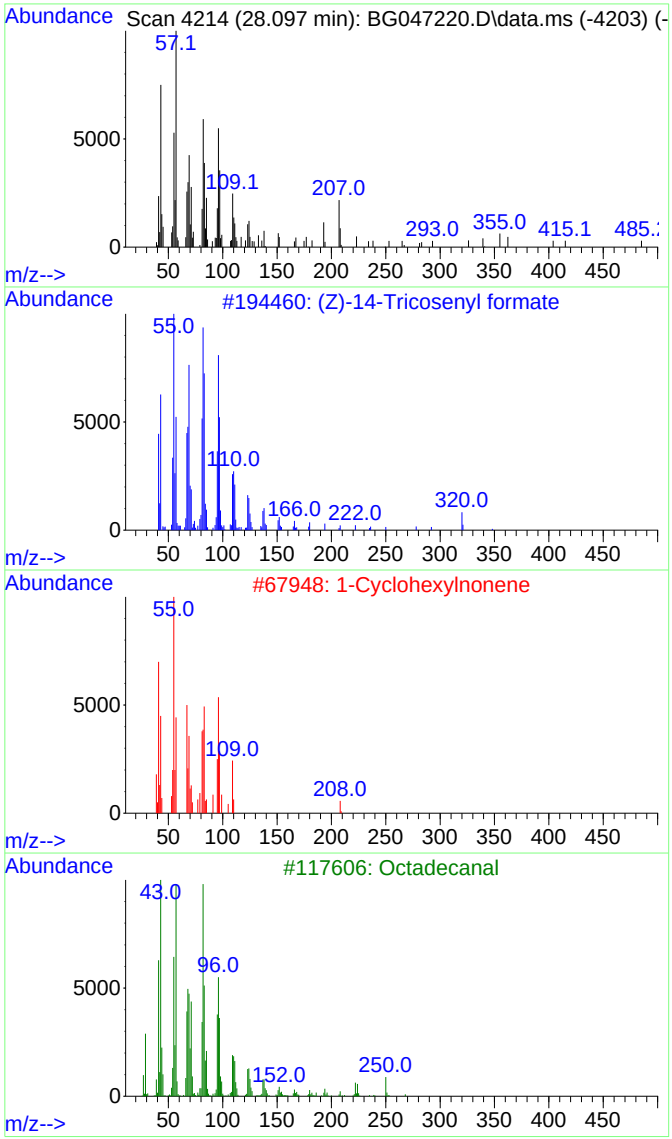
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

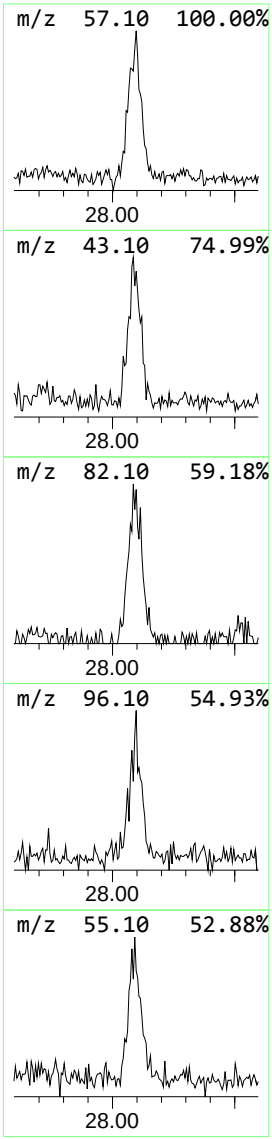
****

Peak Number 5 (Z)-14-Tricosenyl formate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.097	4.21 ng	219504	Perylene-d12	24.836

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	70
2	1-Cyclohexylnonene	208	C15H28	114614-84-5	53
3	Octadecanal	268	C18H36O	000638-66-4	38
4	7-Azabicyclo[4.1.0]heptane, 1-me...	111	C7H13N	025022-25-7	38
5	Eicosane, 9-cyclohexyl-	364	C26H52	004443-61-2	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110520\
Data File : BG047220.D
Acq On : 5 Nov 2020 11:23
Operator : CG/JU
Sample : L4548-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG110420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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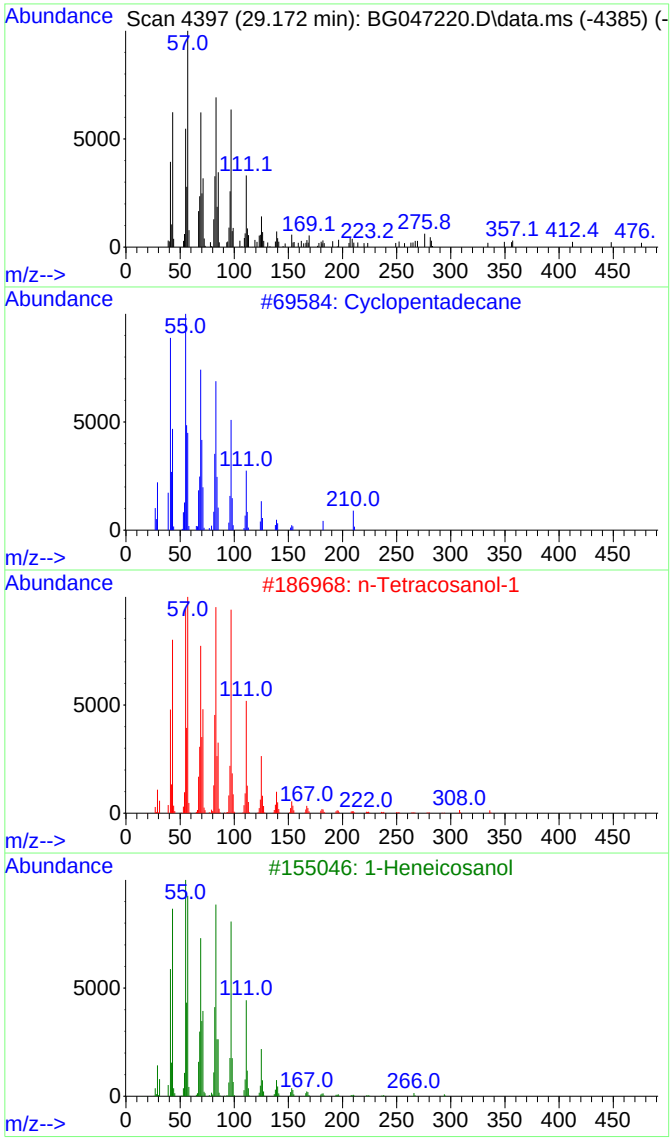
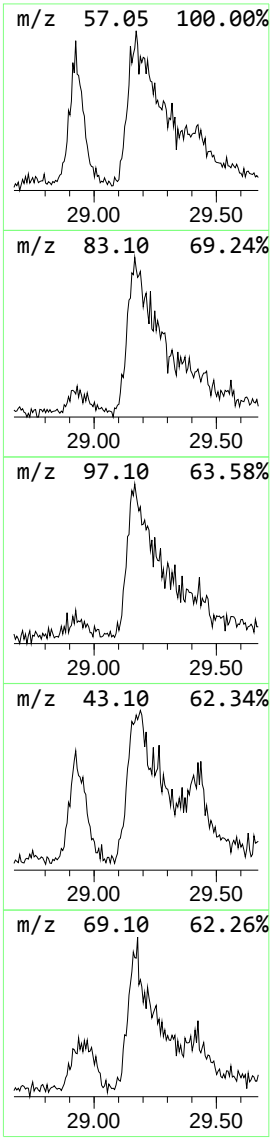
Peak Number 6 Cyclopentadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.172	6.47 ng	337641	Perylene-d12	24.836

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	89
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	81
3	1-Heneicosanol	312	C21H44O	015594-90-8	76
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	76
5	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110520\
Data File : BG047220.D
Acq On : 5 Nov 2020 11:23
Operator : CG/JU
Sample : L4548-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG110420.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
n-Hexadecanoic ...	18.267	2.2	ng	91256	4	17.392	834111	20.0
5-Eicosene, (E)-	21.287	2.4	ng	676866	5	21.651	5590260	20.0
Eicosane	25.970	11.8	ng	614219	6	24.836	1043470	20.0
Carbonic acid, ...	26.099	2.2	ng	114527	6	24.836	1043470	20.0
(Z)-14-Tricosen...	28.097	4.2	ng	219504	6	24.836	1043470	20.0
Cyclopentadecane	29.172	6.5	ng	337641	6	24.836	1043470	20.0