LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

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_F\METHODS\8270-BF052919.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	4.881	466	475	482	rVB2	93458	169066	2.15%	0.256%
2	5.293	539	545	548	rBV	5837561	6279622	79.69%	9.516%
3	6.328	714	721	724	rBV	5768869	6563880	83.30%	9.947%
4	6.457	738	743	747	rBV	6304180	6619038	84.00%	10.030%
5	6.693	779	783	786	rBV	1873397	1473359	18.70%	2.233%
6	6.851	805	810	813	rVB	5644221	5123261	65.02%	7.764%
7	7.251	873	878	881	rBV	4560820	4130549	52.42%	6.259%
8	7.969	997	1000	1004	rVB	2302221	1911949	24.26%	2.897%
9	9.045	1179	1183	1187	rBV	7164286	6972631	88.49%	10.566%
10	9.439	1246	1250	1252	rBV	478445	408677	5.19%	0.619%
11	9.716	1293	1297	1301	rBV2	2692468	2223247	28.21%	3.369%
12	10.498	1425	1430	1433	rBV	5051029	4813330	61.09%	7.294%
13	11.186	1544	1547	1551	rVB	2775119	2430788	30.85%	3.683%
14	11.733	1635	1640	1657	rBV2	420442	541374	6.87%	0.820%
15	12.516	1769	1773	1783	rBV	161208	215447	2.73%	0.326%
16	12.775	1812	1817	1820	rBV	7843764	7879681	100.00%	11.940%
17	13.369	1915	1918	1920	rBV	135436	116686	1.48%	0.177%
18	13.680	1967	1971	1988	rBV2	808862	1030575	13.08%	1.562%
19	13.810	1989	1993	1996	rBV	2754252	2452375	31.12%	3.716%
20	14.010	2023	2027	2031	rBV	265615	267376	3.39%	0.405%
21	14.310	2075	2078	2082	rBV	343562	329251	4.18%	0.499%
22	14.610	2125	2129	2135	rBV	353926	333575	4.23%	0.505%
23	14.916	2178	2181	2187	rBV	289340	324072	4.11%	0.491%
24	15.198	2223	2229	2235	rVB	2112240	2387204	30.30%	3.617%
25	15.268	2236	2241	2249	rVB	242004	321883	4.08%	0.488%
26	15.663	2304	2308	2312	rBV	174188	245981	3.12%	0.373%
27	15.704	2312	2315	2323	rVB2	96647	173588	2.20%	0.263%
28	16.121	2382	2386	2392	rVB	86035	132755	1.68%	0.201%
29	17.068	2543	2547	2557	rVB10	58152	120217	1.53%	0.182%

Sum of corrected areas: 65991437

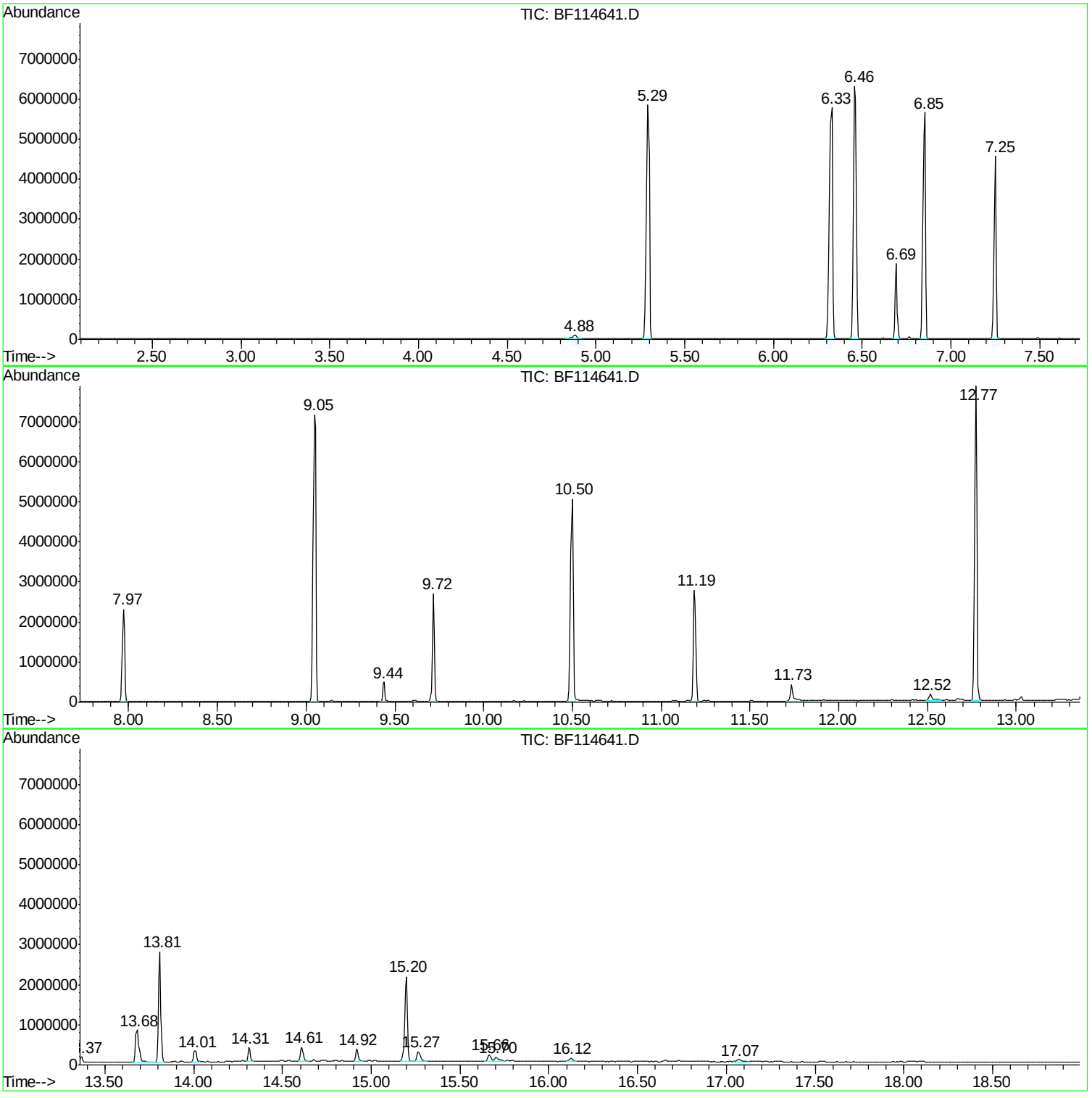
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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 F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

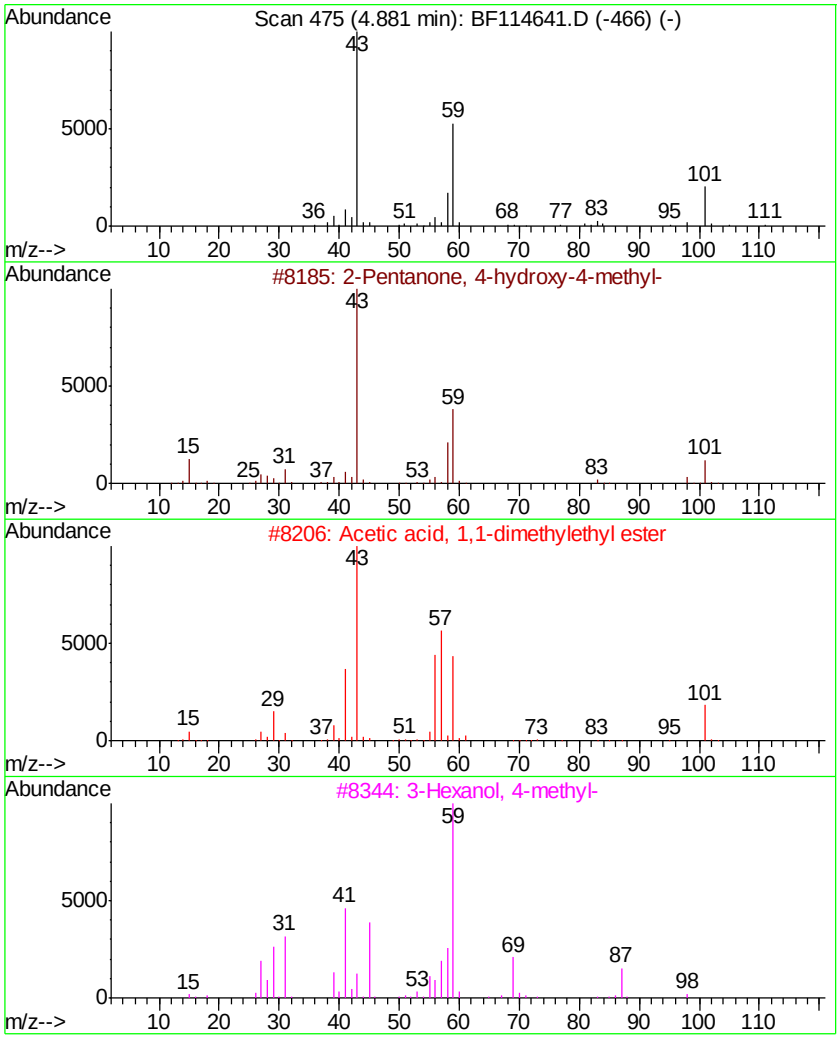
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

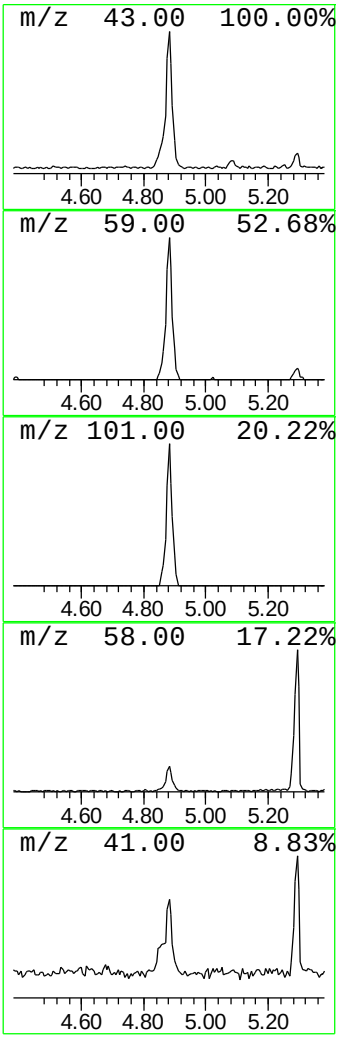
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.88	2.29 ng	169066	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

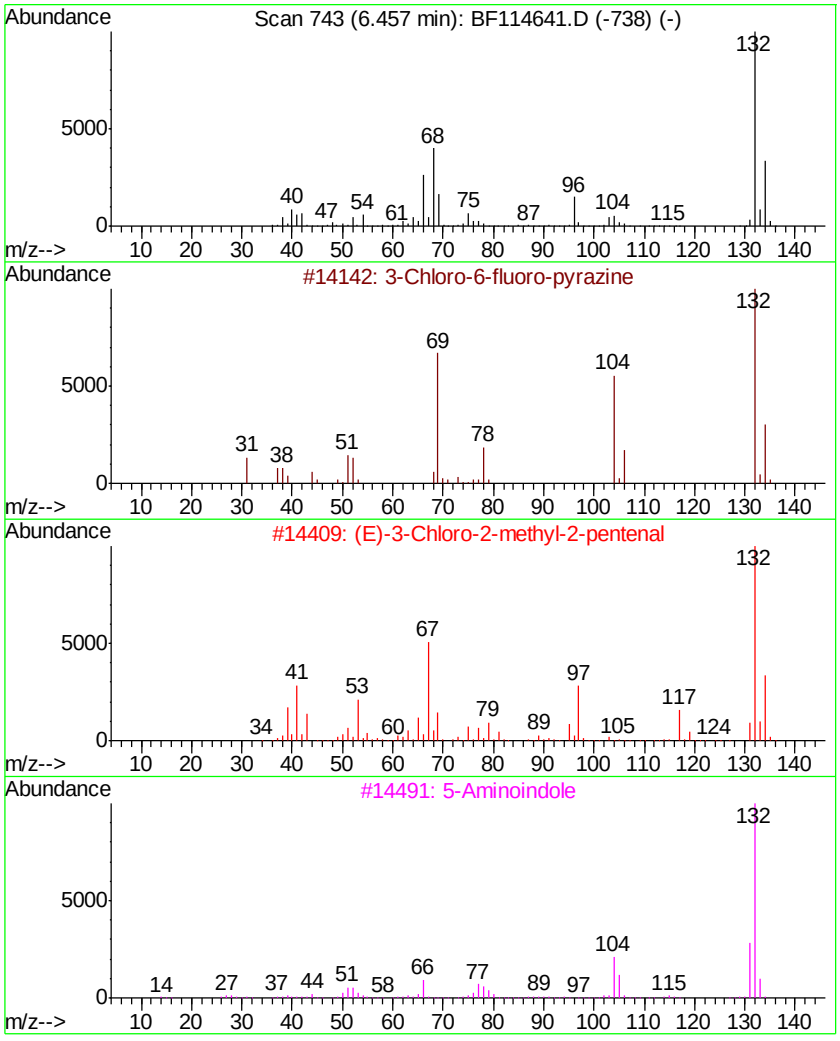
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

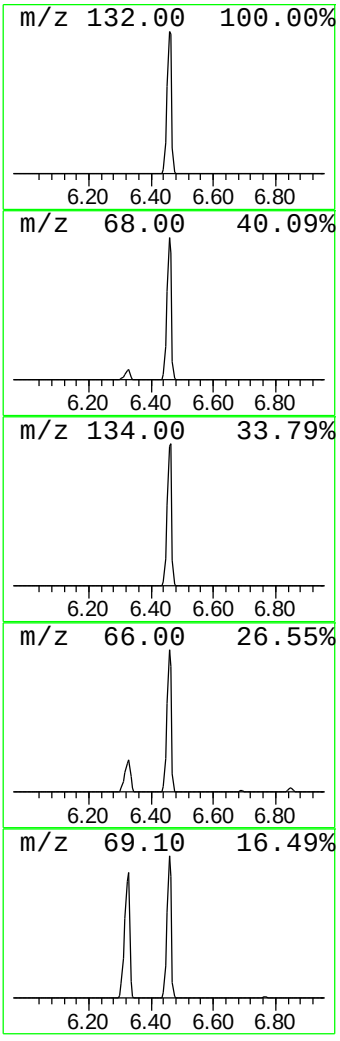
****

Peak Number 2 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	89.85 ng	6619040	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

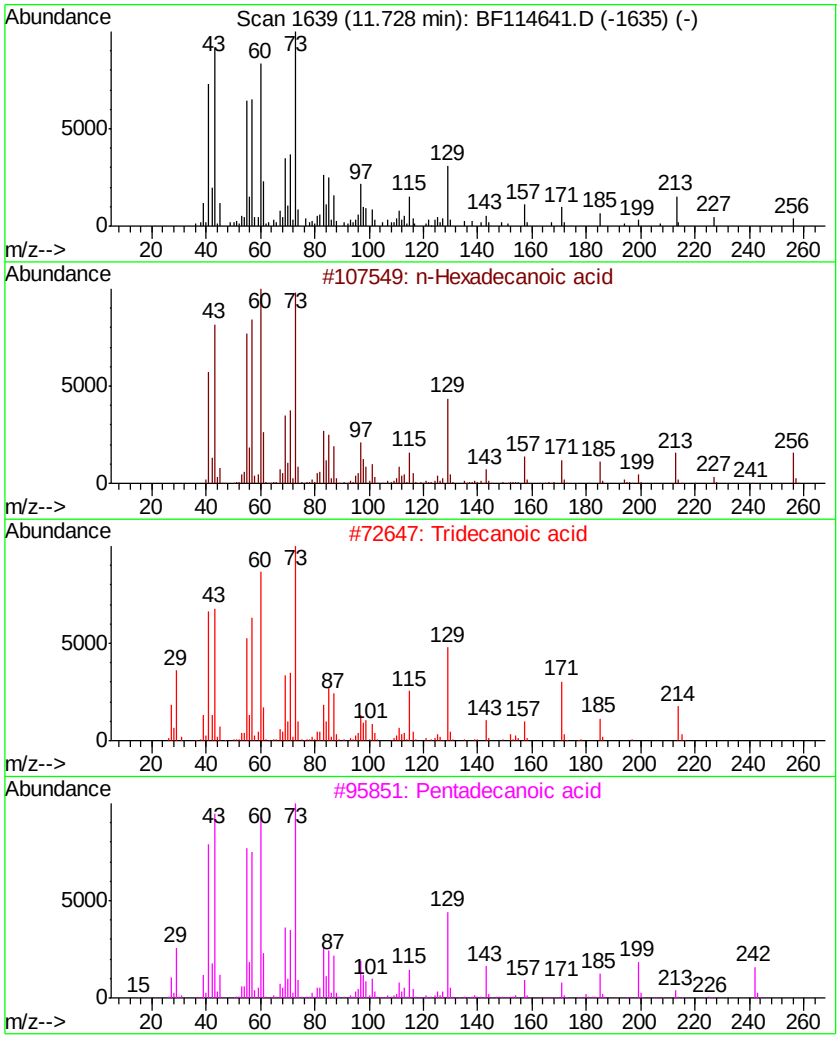
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

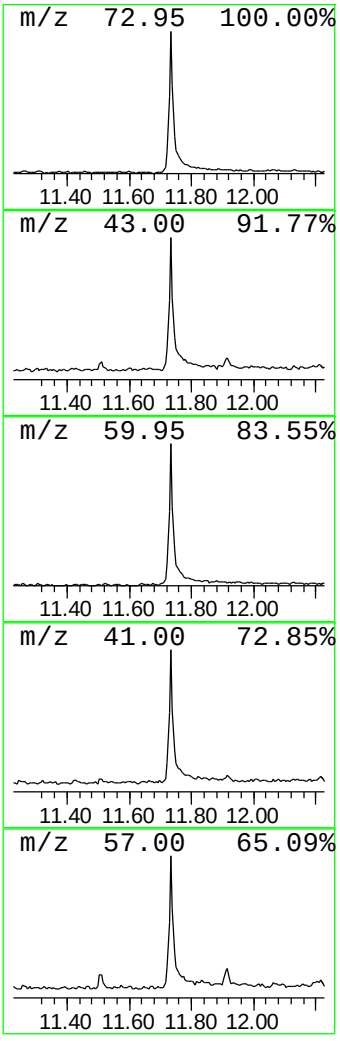
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	4.45 ng	541374	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	94
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
5	n-Decanoic acid	172	C10H20O2	000334-48-5	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

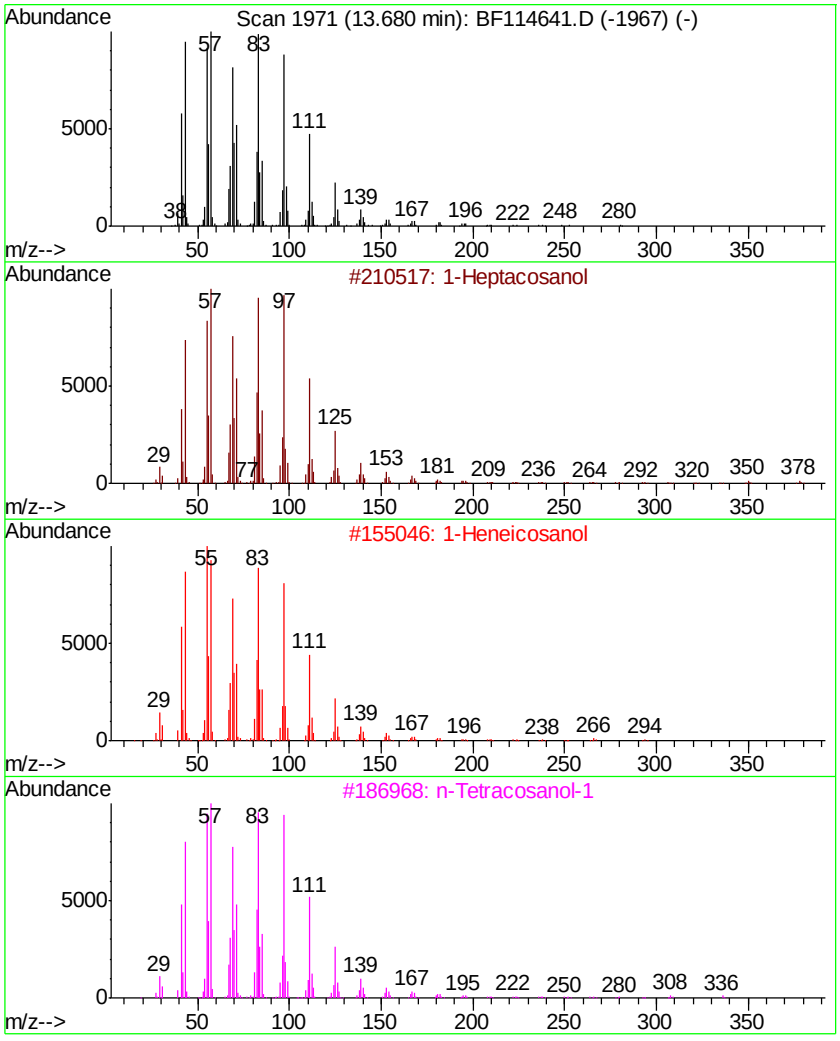
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

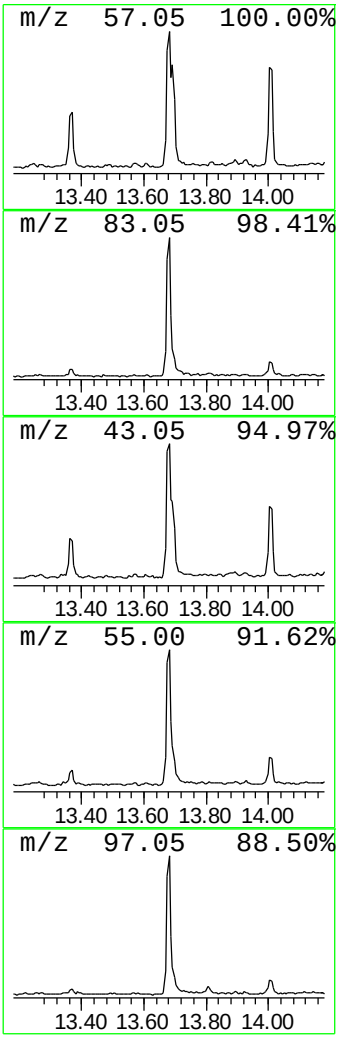
****

Peak Number 5 1-Heptacosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	8.40 ng	1030580	Chrysene-d12	13.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
5	Behenic alcohol	326	C22H46O	000661-19-8	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

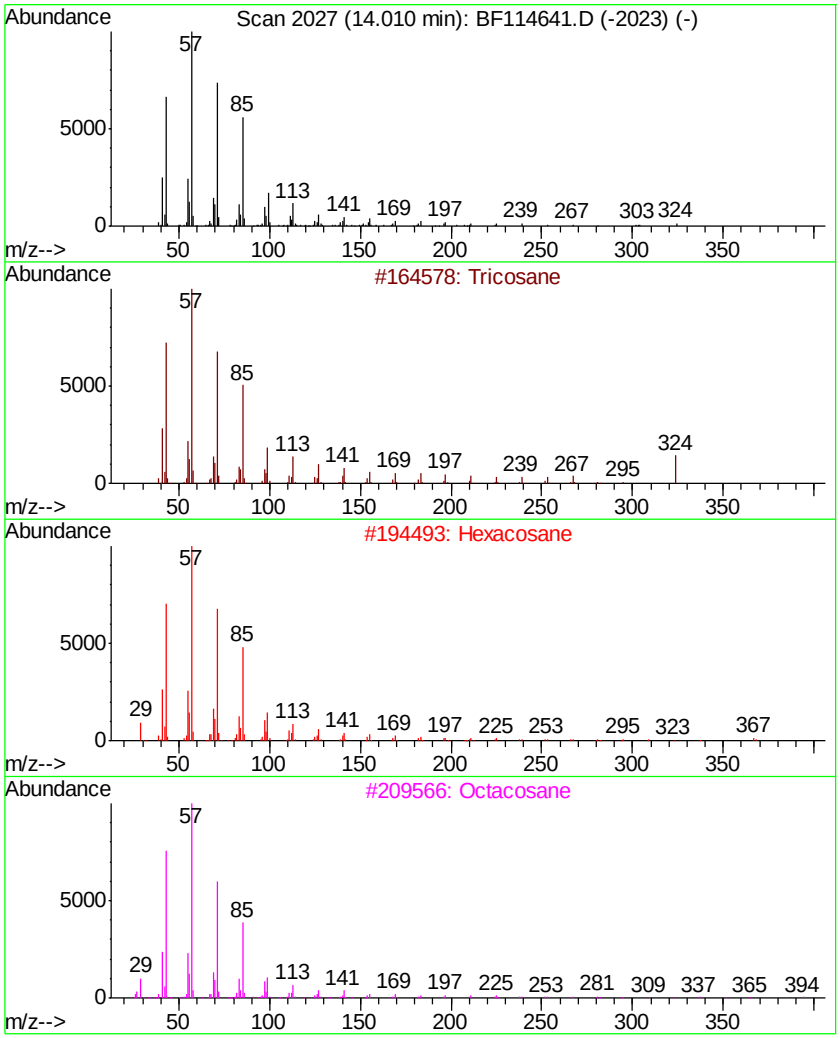
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

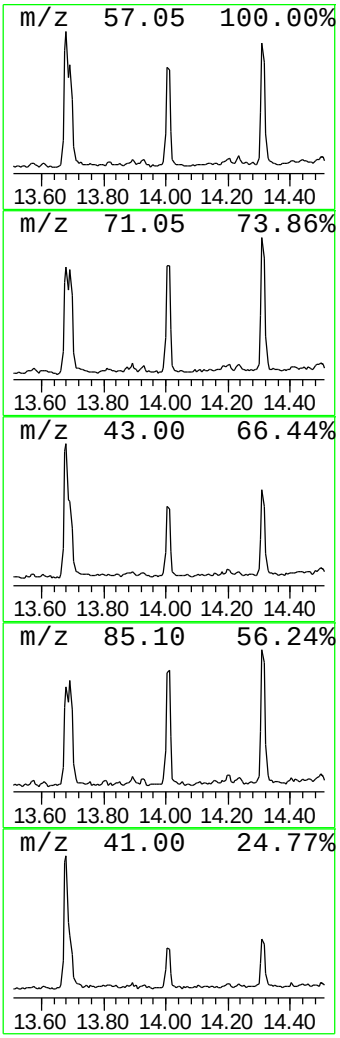
****

Peak Number 6 Tricosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.18 ng	267376	Chrysene-d12	13.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	95
2	Hexacosane	366	C26H54	000630-01-3	94
3	Octacosane	394	C28H58	000630-02-4	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

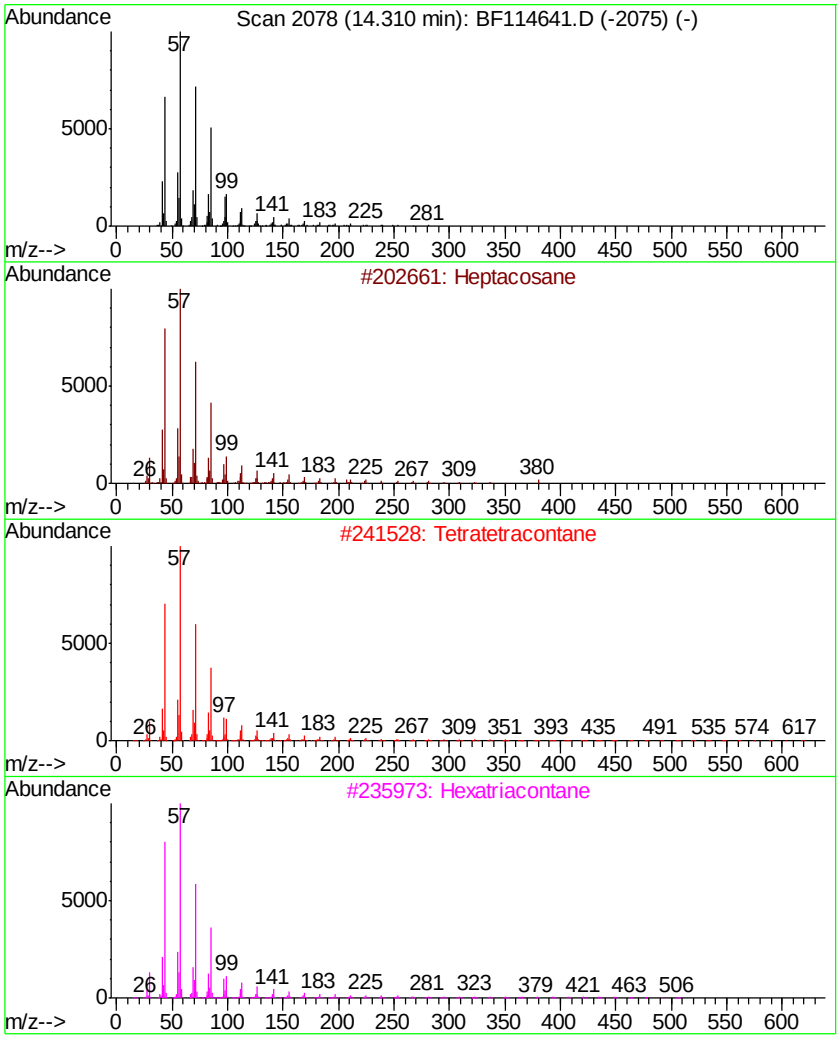
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

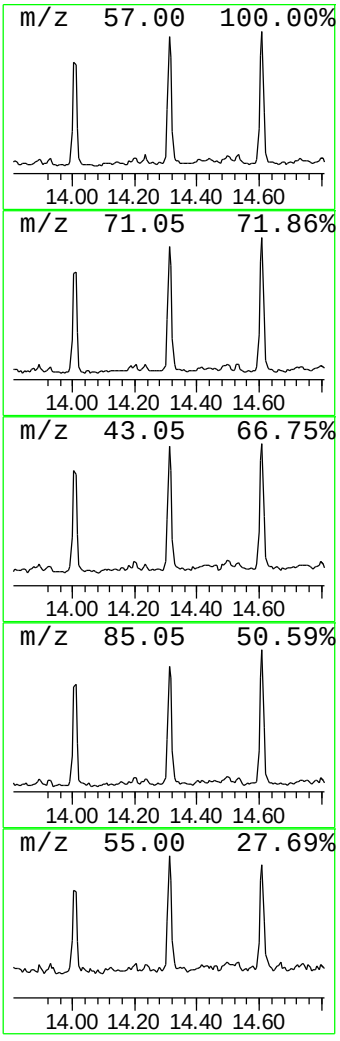
****

Peak Number 7 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	2.69 ng	329251	Chrysene-d12	13.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Tetratetracontane	619	C44H90	007098-22-8	91
3	Hexatriacontane	507	C36H74	000630-06-8	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

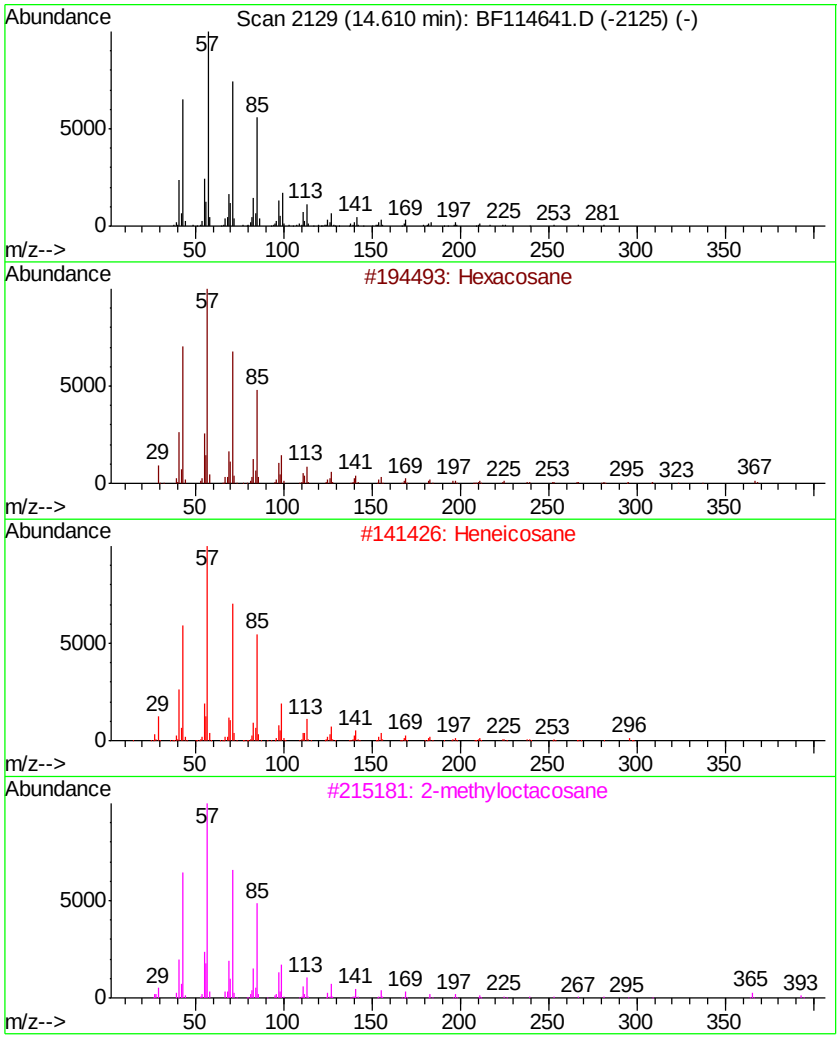
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

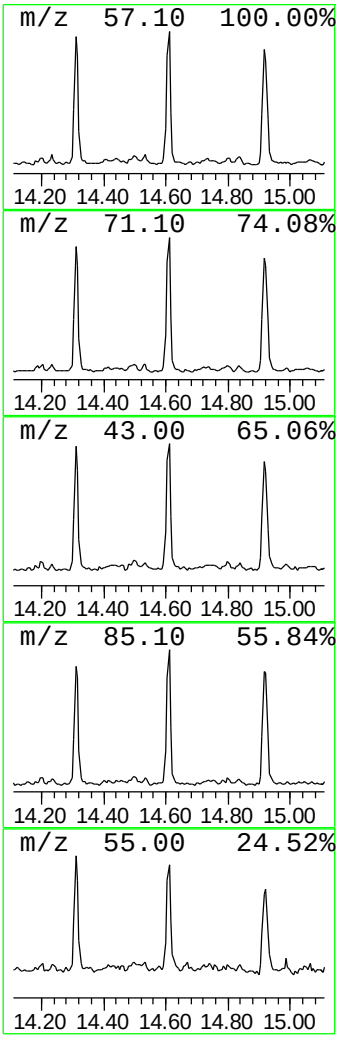
****

Peak Number 8 Hexacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	2.79 ng	333575	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Octadecane	254	C18H38	000593-45-3	90
5	Octacosane	394	C28H58	000630-02-4	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

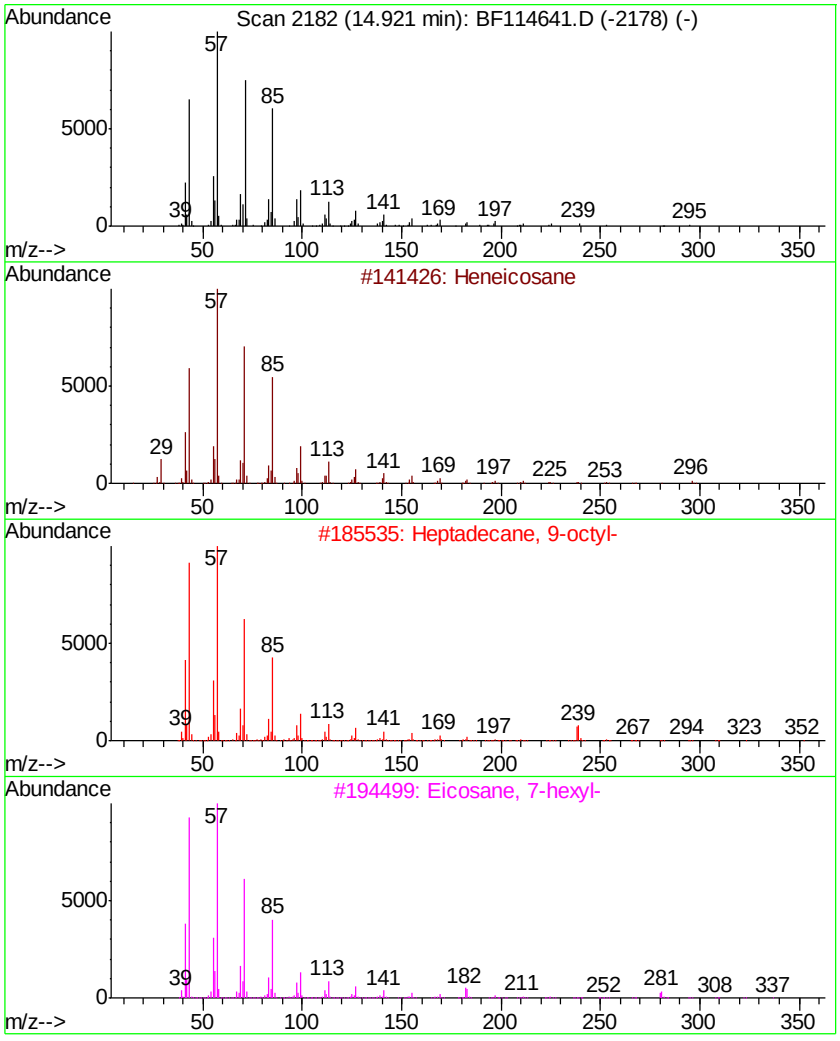
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

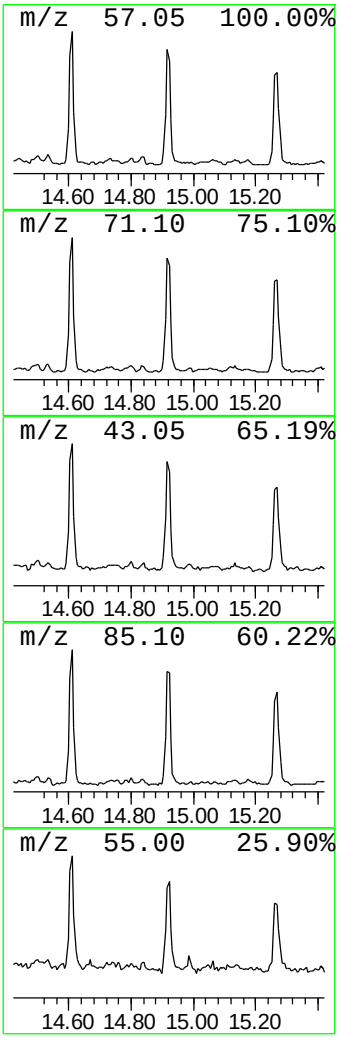
****

Peak Number 9 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	2.72 ng	324072	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
5	Octacosane	394	C28H58	000630-02-4	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

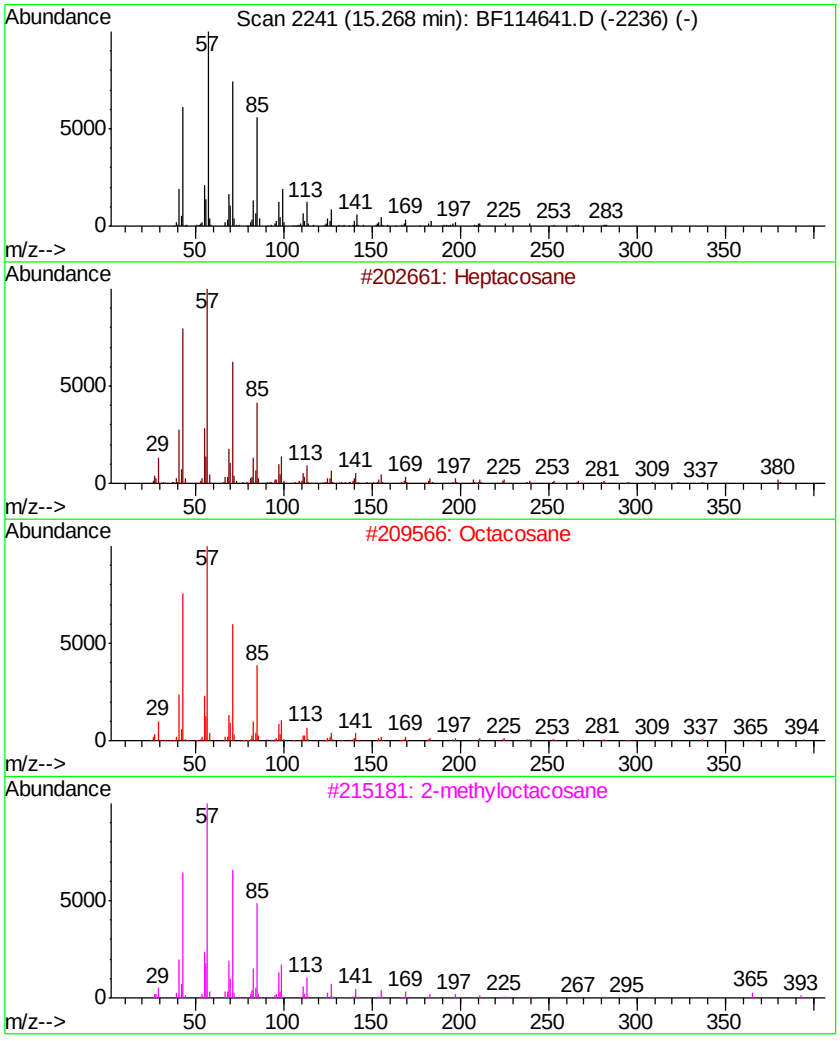
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

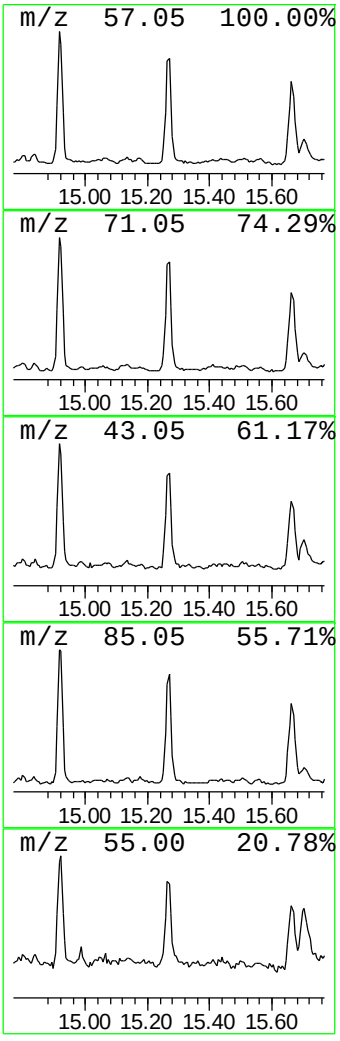
****

Peak Number 10 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	2.70 ng	321883	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Octacosane	394	C28H58	000630-02-4	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

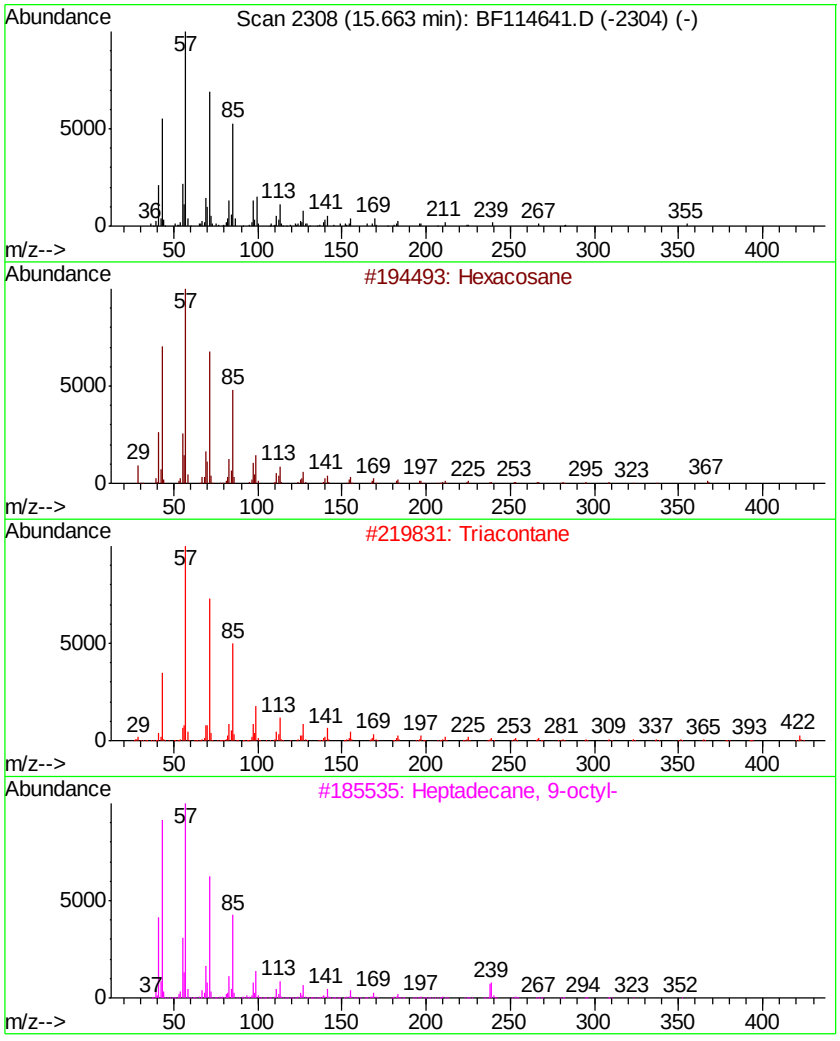
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

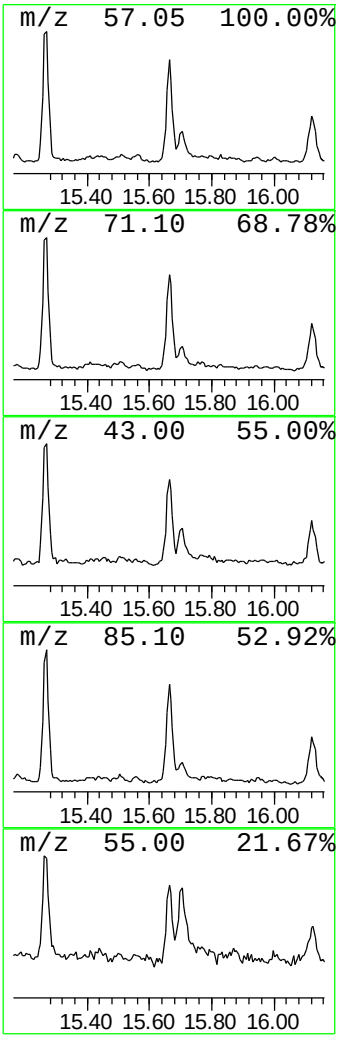
****

Peak Number 11 Triacontane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	2.06 ng	245981	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	93
2	Triacontane	422	C30H62	000638-68-6	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Docosane	310	C22H46	000629-97-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052919\
Data File : BF114641.D
Acq On : 29 May 2019 19:10
Operator : HP/JU
Sample : K3053-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CR-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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
2-Pentanone, 4-hy...	4.88	2.3	ng	169066	1	6.69	1473360	20.0
unknown6.56	6.46	89.8	ng	6619040	1	6.69	1473360	20.0
n-Hexadecanoic acid	11.73	4.5	ng	541374	4	11.19	2430790	20.0
1-Heptacosanol	13.68	8.4	ng	1030580	5	13.81	2452380	20.0
Tricosane	14.01	2.2	ng	267376	5	13.81	2452380	20.0
Heptacosane	14.31	2.7	ng	329251	5	13.81	2452380	20.0
Hexacosane	14.61	2.8	ng	333575	6	15.20	2387200	20.0
Heneicosane	14.92	2.7	ng	324072	6	15.20	2387200	20.0
Octacosane	15.27	2.7	ng	321883	6	15.20	2387200	20.0
Triacontane	15.66	2.1	ng	245981	6	15.20	2387200	20.0