LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
Data File : BF113081.D
Acq On : 15 Mar 2019 22:30
Operator : JU/SJ
Sample : K1924-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-SOIL-PILE-B

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-BF022719.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	5.340	549	553	573	rBV	2962305	3153902	81.80%	8.759%
2	6.375	724	729	746	rBV	3285925	3311865	85.89%	9.197%
3	6.498	746	750	753	rBV	3632092	3296487	85.49%	9.155%
4	6.728	785	789	792	rBV	1115701	910935	23.63%	2.530%
5	6.881	811	815	819	rBV	2645661	2487700	64.52%	6.909%
6	7.287	879	884	887	rBV	2285781	2092604	54.27%	5.811%
7	8.010	1003	1007	1013	rBV	1182084	1105135	28.66%	3.069%
8	9.086	1185	1190	1201	rBV	3694814	3855798	100.00%	10.708%
9	9.475	1253	1256	1262	rBV	250769	231572	6.01%	0.643%
10	9.757	1300	1304	1317	rVB	1525265	1404704	36.43%	3.901%
11	10.545	1434	1438	1452	rBV	2756468	2777195	72.03%	7.713%
12	11.116	1533	1535	1538	rBV2	40261	40638	1.05%	0.113%
13	11.233	1551	1555	1563	rBV	1471275	1525574	39.57%	4.237%
14	11.774	1643	1647	1655	rBV	662969	639685	16.59%	1.776%
15	12.445	1757	1761	1763	rBV	37477	44643	1.16%	0.124%
16	12.557	1776	1780	1786	rBV	152244	203224	5.27%	0.564%
17	12.816	1820	1824	1828	rBV	3906631	3690113	95.70%	10.248%
18	13.057	1860	1865	1870	rVB2	46869	55983	1.45%	0.155%
19	13.398	1920	1923	1925	rVB	63706	49193	1.28%	0.137%
20	13.721	1974	1978	1991	rBV	472075	624927	16.21%	1.736%
21	13.863	1998	2002	2011	rBV	1312659	1341778	34.80%	3.726%
22	14.039	2029	2032	2037	rBV	116411	121993	3.16%	0.339%
23	14.339	2080	2083	2092	rBV	185103	228264	5.92%	0.634%
24	14.639	2130	2134	2139	rBV	215520	224438	5.82%	0.623%
25	14.704	2142	2145	2152	rVB	97002	98727	2.56%	0.274%
26	14.768	2154	2156	2159	rVB2	54240	47980	1.24%	0.133%
27	14.951	2183	2187	2191	rBV	291721	302135	7.84%	0.839%
28	15.268	2236	2241	2245	rBV	1013181	1305428	33.86%	3.625%
29	15.304	2245	2247	2254	rVB	233519	265974	6.90%	0.739%
30	15.492	2276	2279	2284	rVB4	45233	58520	1.52%	0.163%
31	15.710	2311	2316	2321	rBV	216160	286229	7.42%	0.795%
32	16.174	2391	2395	2407	rVB2	103412	225099	5.84%	0.625%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
Data File : BF113081.D
Acq On : 15 Mar 2019 22:30
Operator : JU/SJ
Sample : K1924-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILE-B

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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 36008442

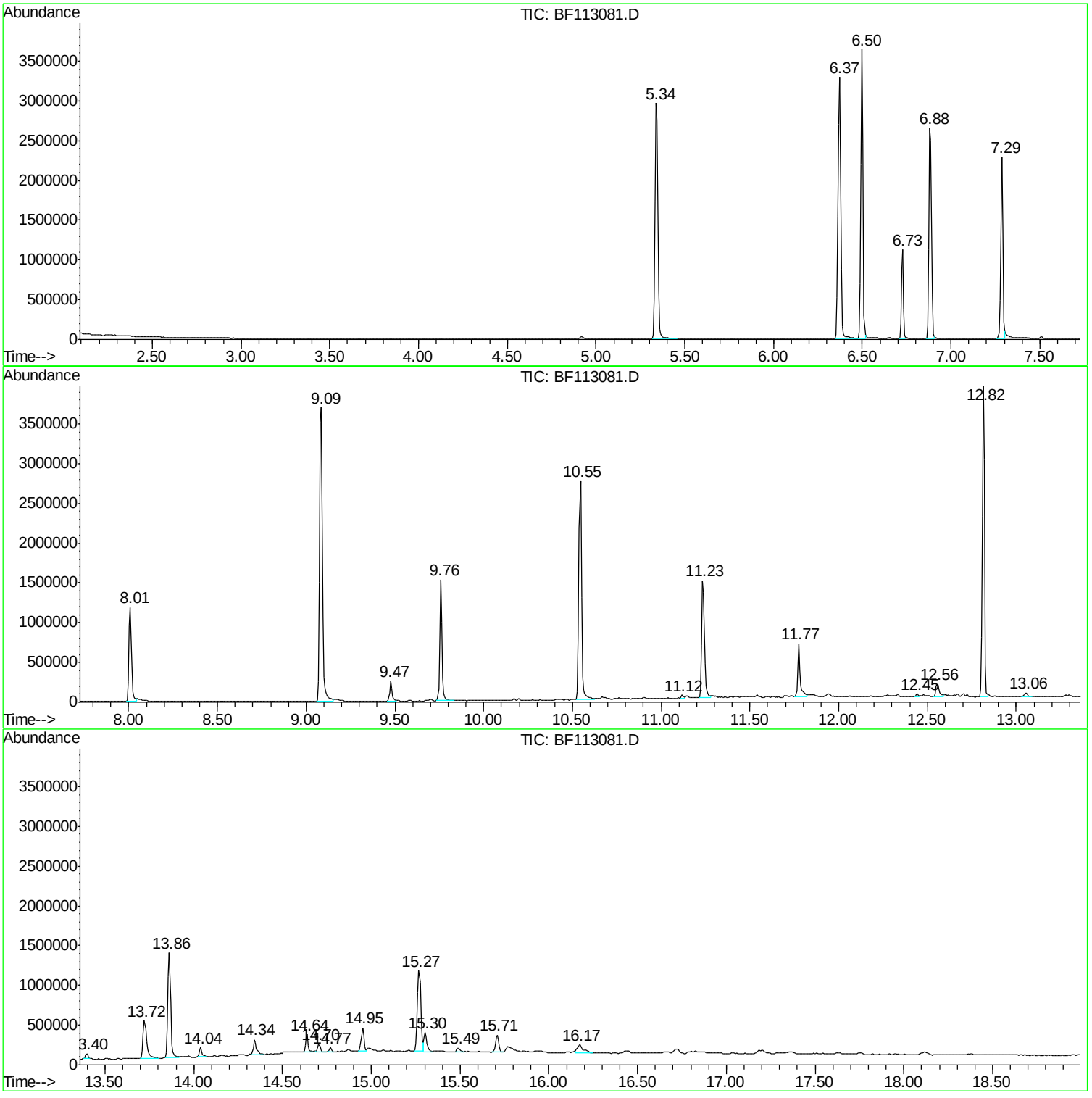
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
Data File : BF113081.D
Acq On : 15 Mar 2019 22:30
Operator : JU/SJ
Sample : K1924-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-SOIL-PILE-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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 F\DATA\BF031519\
Data File : BF113081.D
Acq On : 15 Mar 2019 22:30
Operator : JU/SJ
Sample : K1924-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-SOIL-PILE-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

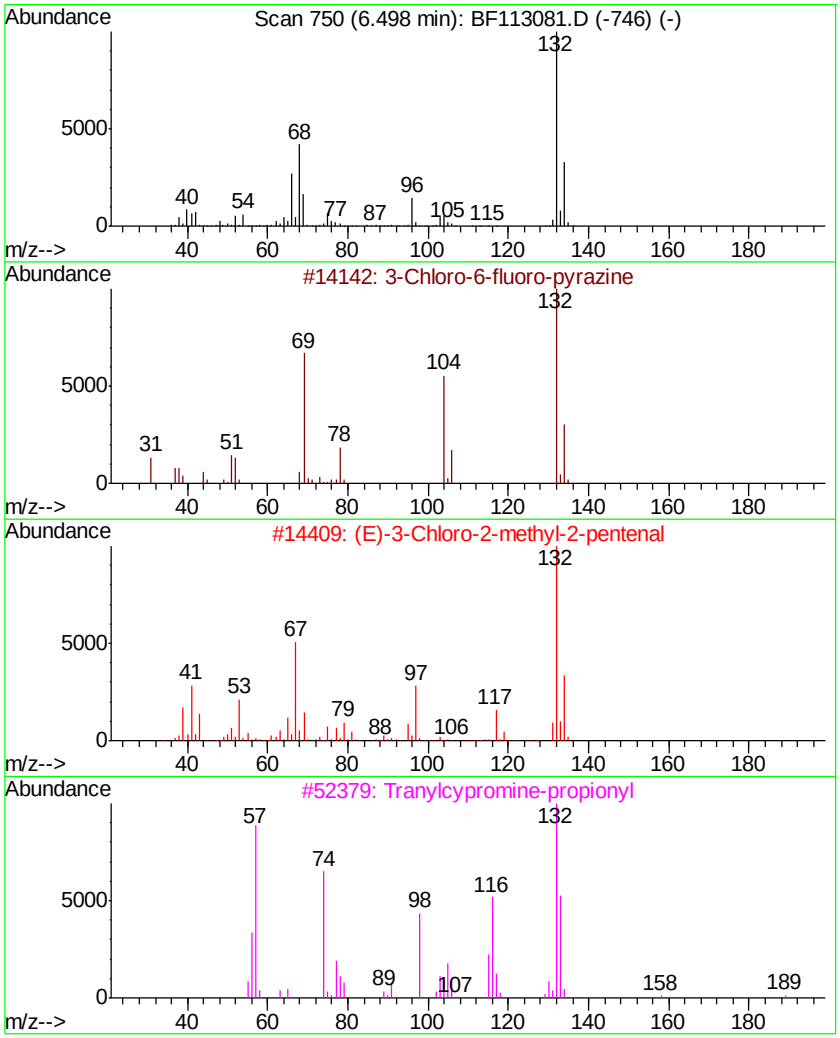
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

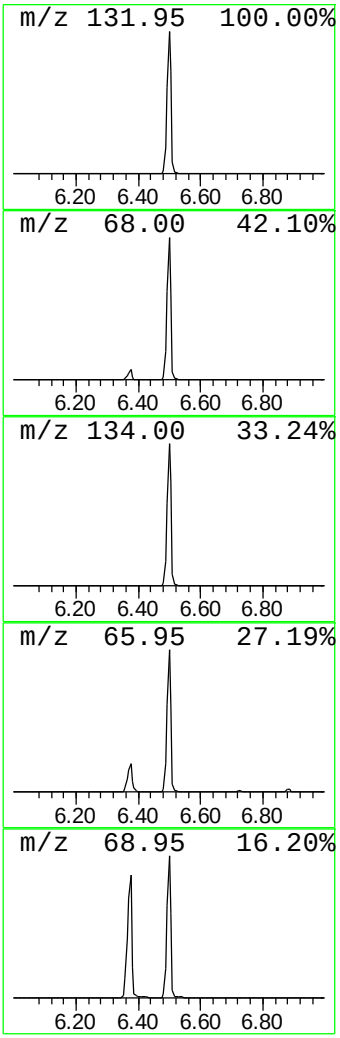
****

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	72.38 ng	3296490	1,4-Dichlorobenzene-d4	6.73

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	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
Data File : BF113081.D
Acq On : 15 Mar 2019 22:30
Operator : JU/SJ
Sample : K1924-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-SOIL-PILE-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

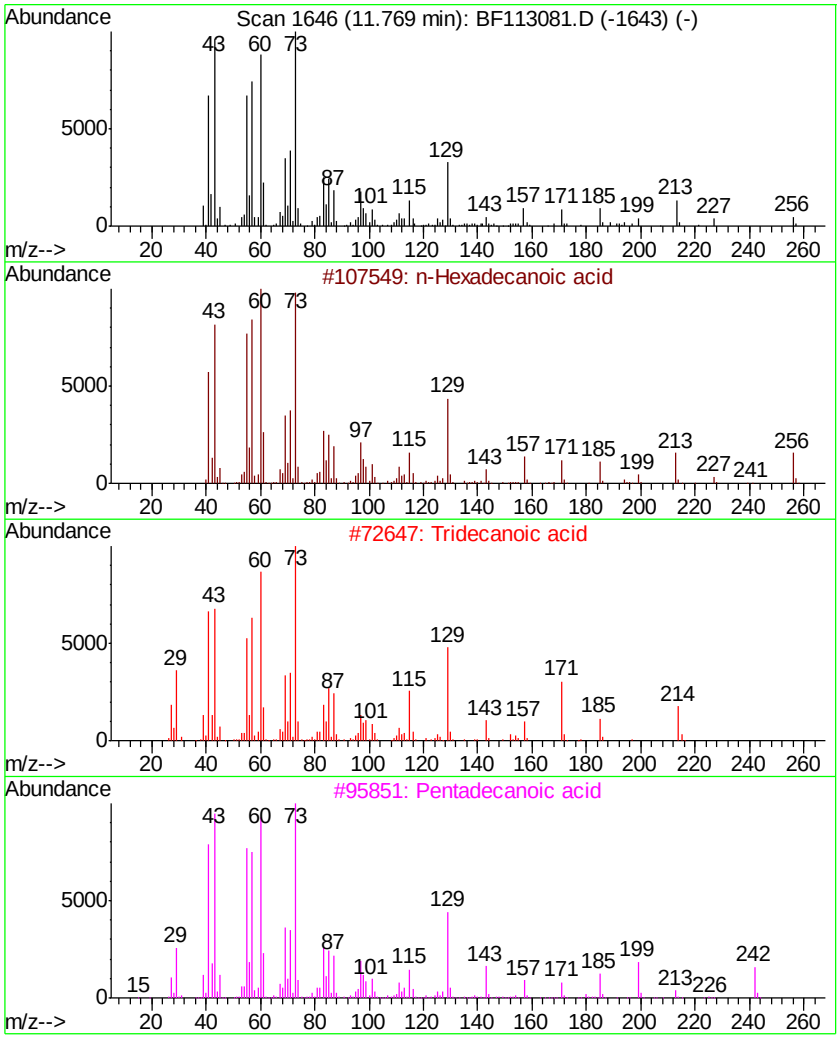
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

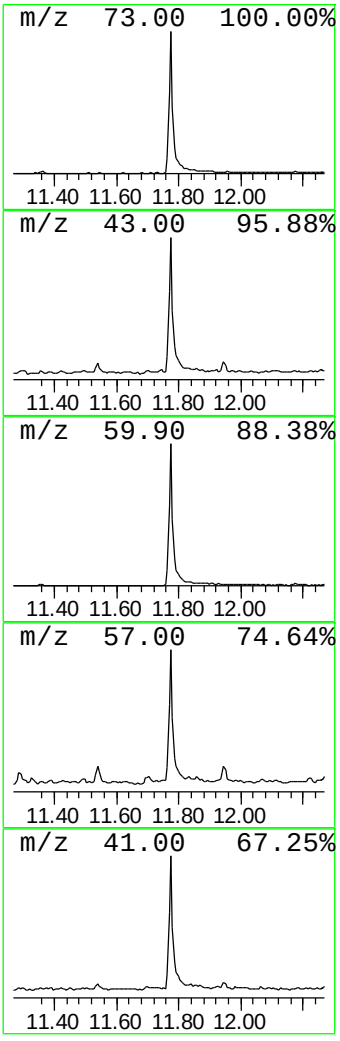
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	8.39 ng	639685	Phenanthrene-d10	11.23

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	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
Data File : BF113081.D
Acq On : 15 Mar 2019 22:30
Operator : JU/SJ
Sample : K1924-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-SOIL-PILE-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

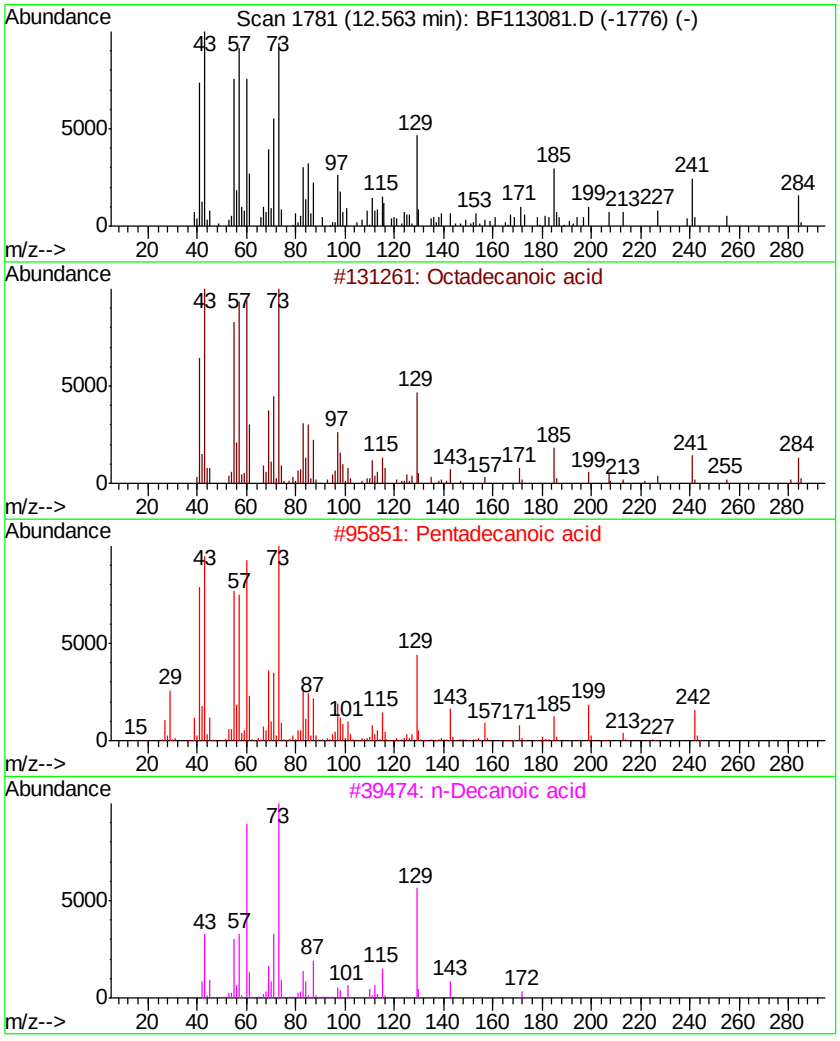
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

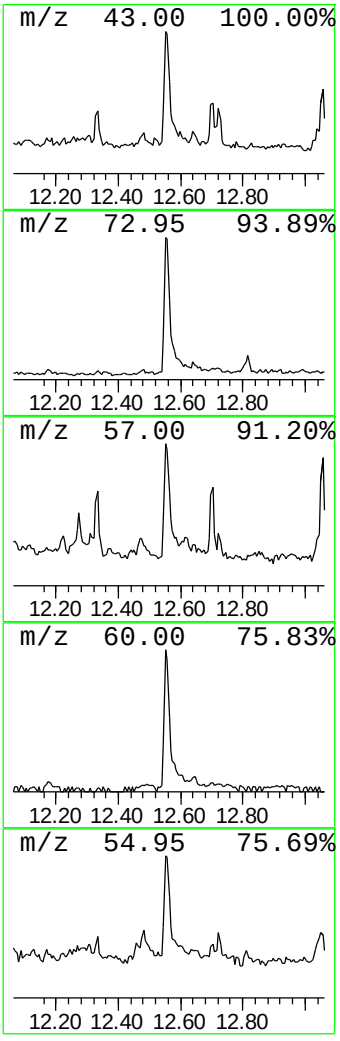
****

Peak Number 4 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	3.03 ng	203224	Chrysene-d12	13.86

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	93
3	n-Decanoic acid	172	C10H20O2	000334-48-5	86
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
Data File : BF113081.D
Acq On : 15 Mar 2019 22:30
Operator : JU/SJ
Sample : K1924-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-SOIL-PILE-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

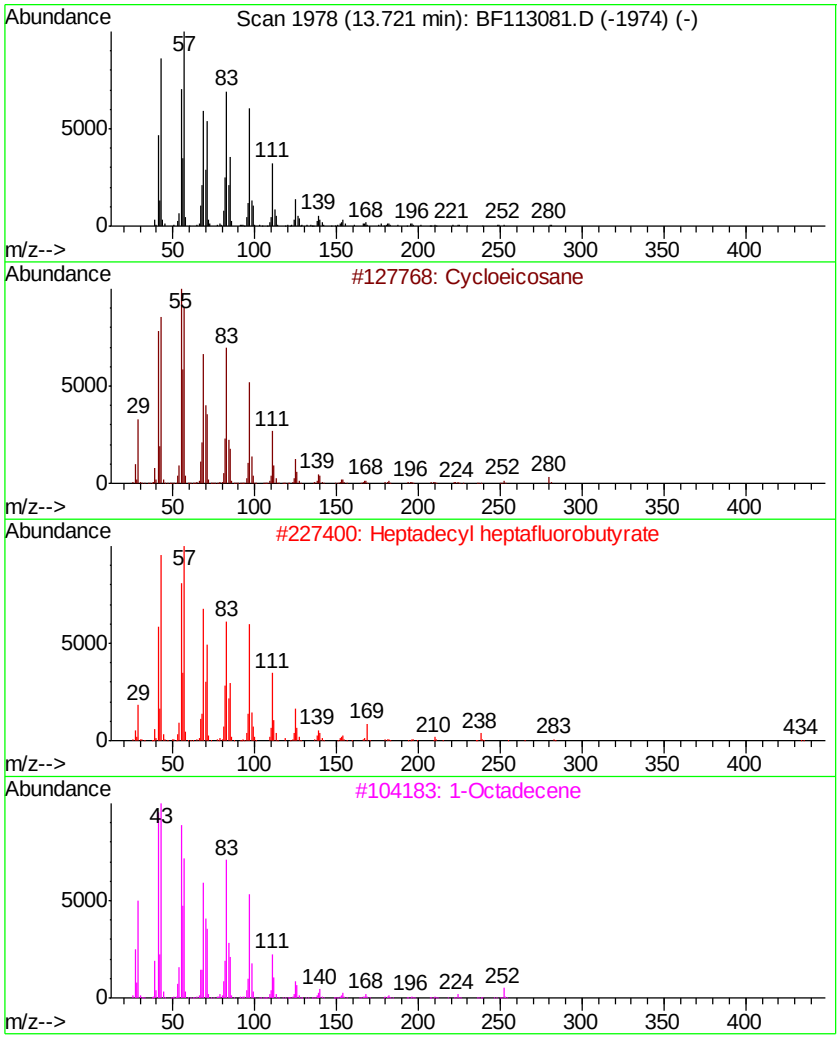
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

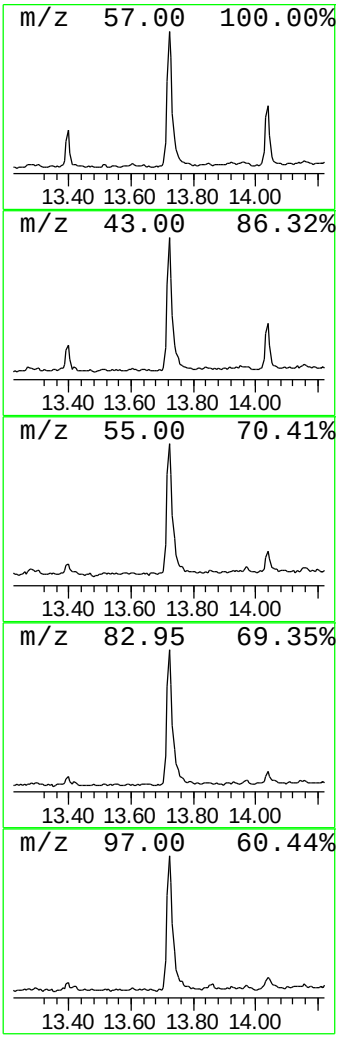
****

Peak Number 5 Cycloeicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	9.31 ng	624927	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	95
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3	1-Octadecene	252	C18H36	000112-88-9	93
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
Data File : BF113081.D
Acq On : 15 Mar 2019 22:30
Operator : JU/SJ
Sample : K1924-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-SOIL-PILE-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

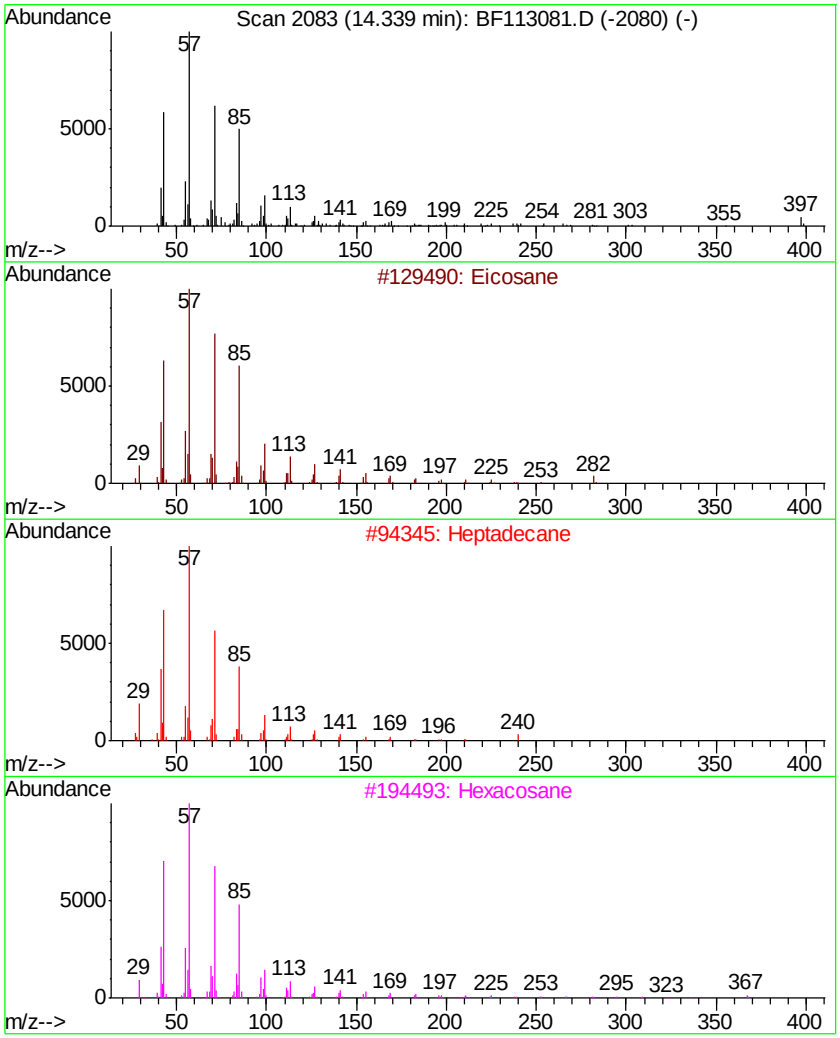
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

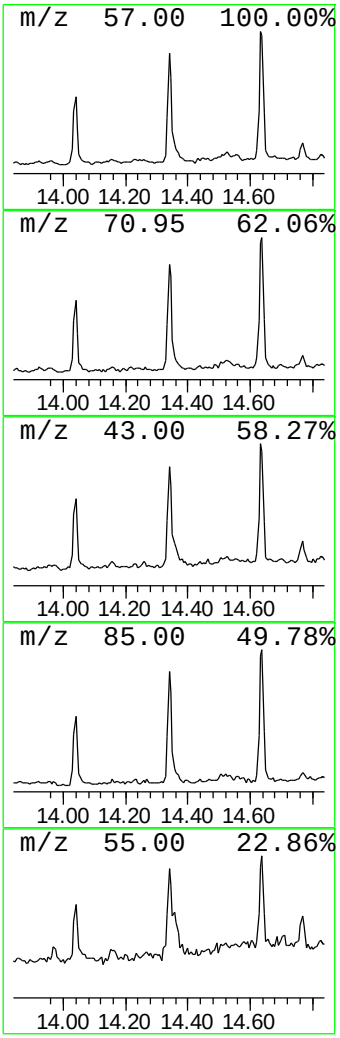
****

Peak Number 6 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	3.40 ng	228264	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Heptadecane	240	C17H36	000629-78-7	93
3	Hexacosane	366	C26H54	000630-01-3	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	Octadecane	254	C18H38	000593-45-3	87





Library Search Compound Report

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Data File : BF113081.D
Acq On : 15 Mar 2019 22:30
Operator : JU/SJ
Sample : K1924-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-SOIL-PILE-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

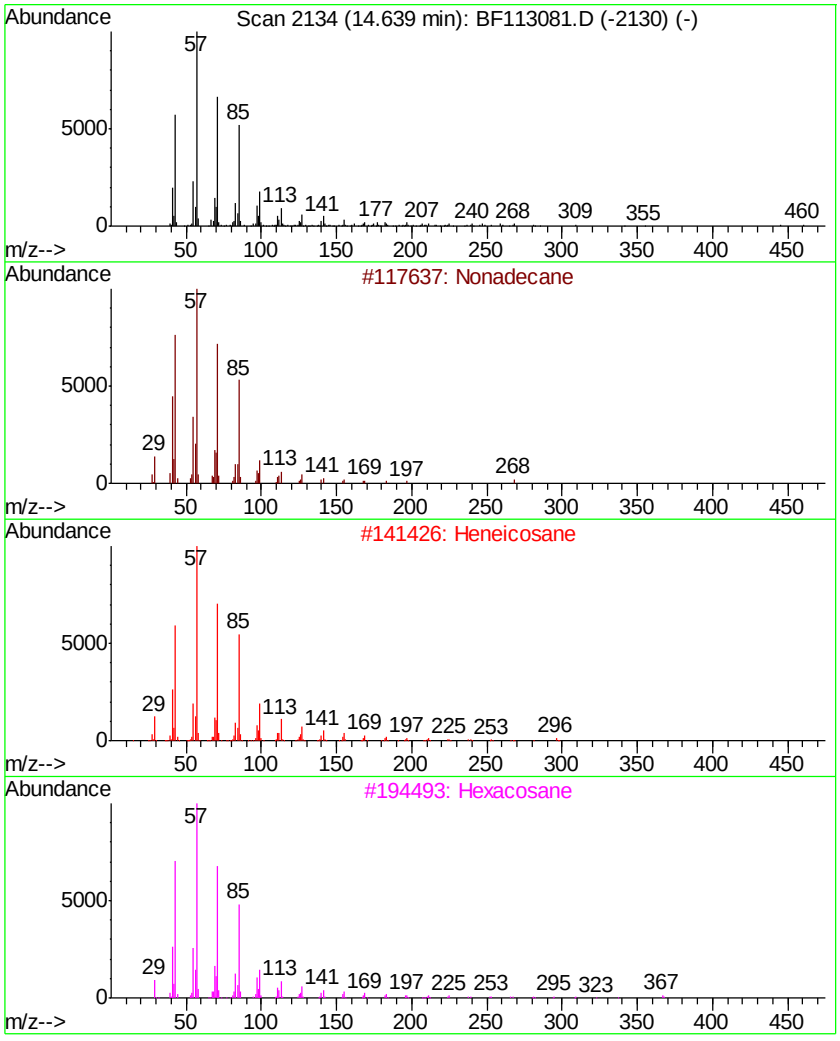
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

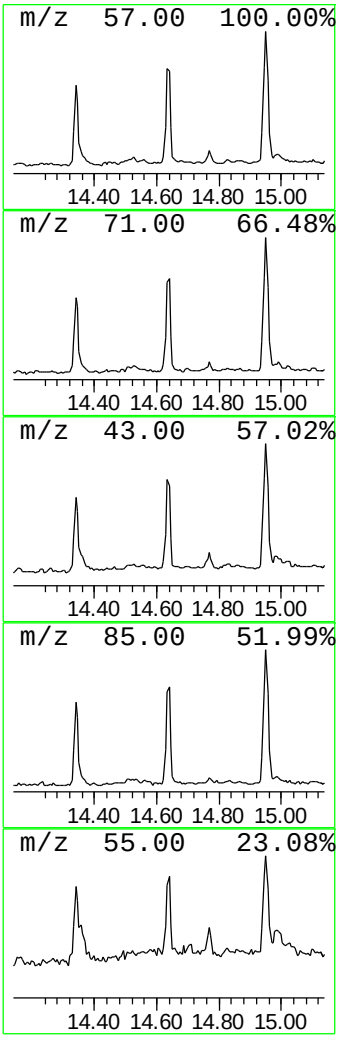
****

Peak Number 7 Nonadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	3.44 ng	224438	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Heneicosane	296	C21H44	000629-94-7	90
3	Hexacosane	366	C26H54	000630-01-3	90
4	Tetracosane	338	C24H50	000646-31-1	87
5	Eicosane	282	C20H42	000112-95-8	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
Data File : BF113081.D
Acq On : 15 Mar 2019 22:30
Operator : JU/SJ
Sample : K1924-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-SOIL-PILE-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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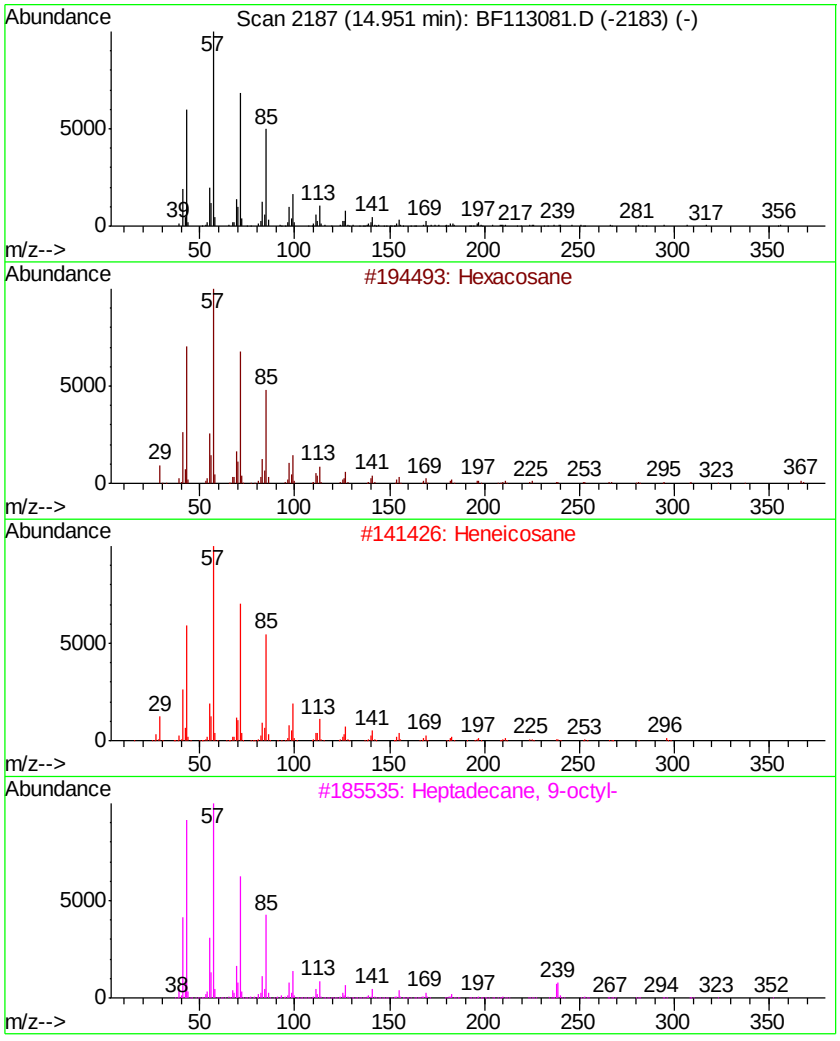
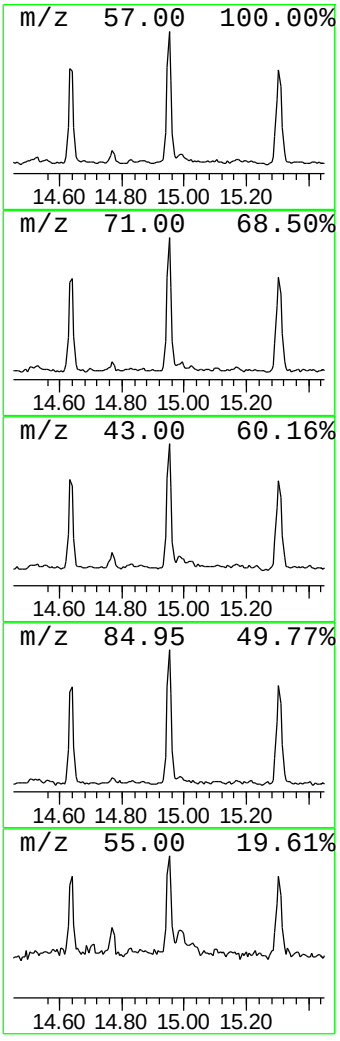
Peak Number 8 Hexacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	4.63 ng	302135	Perylene-d12	15.27

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	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
5	Tetracosane	338	C24H50	000646-31-1	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-SOIL-PILE-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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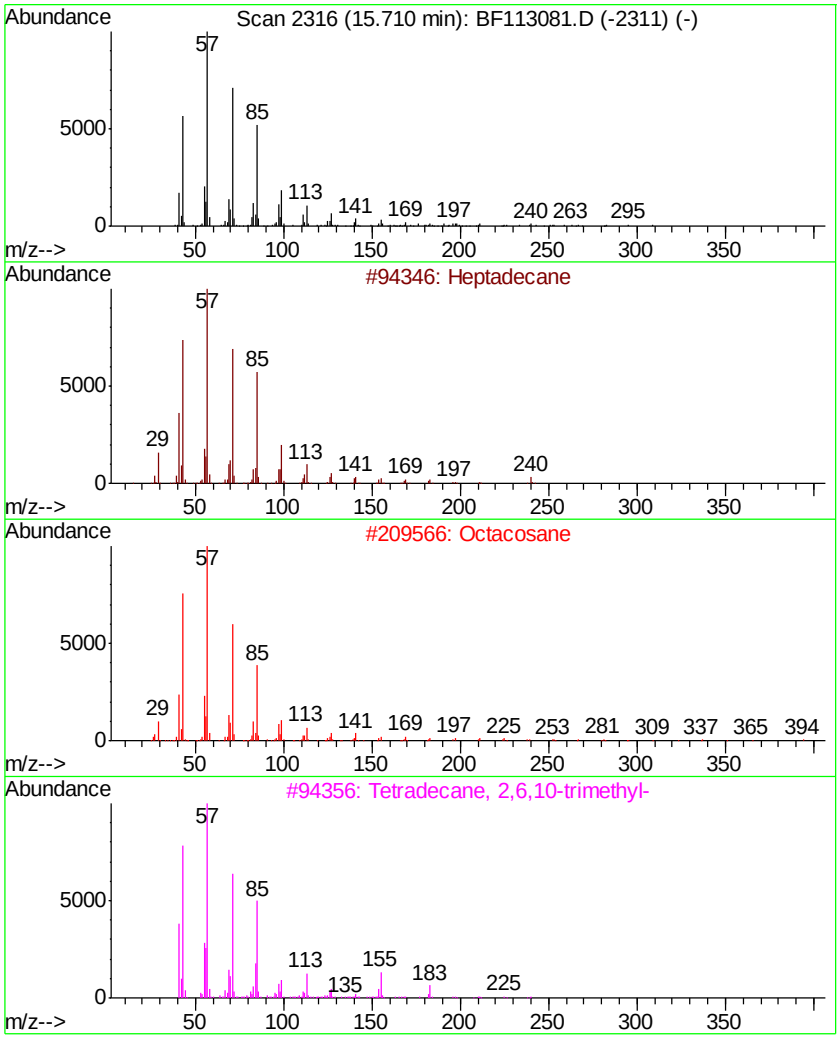
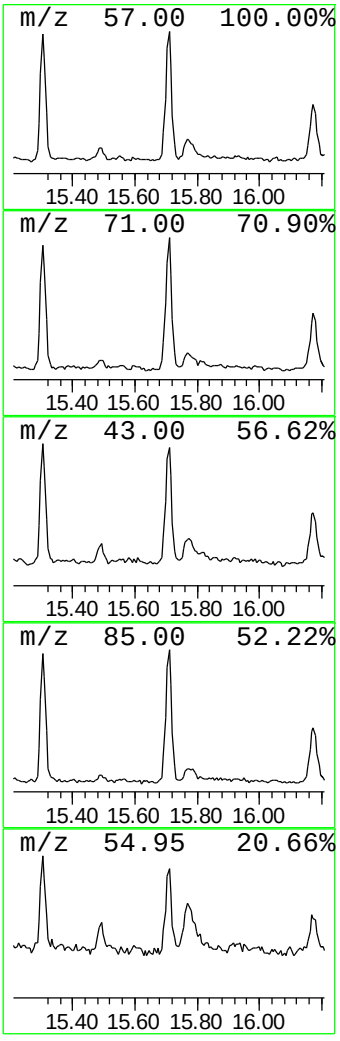
Peak Number 9 Heptadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	4.39 ng	286229	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Octacosane	394	C28H58	000630-02-4	90
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	90
4	Heneicosane	296	C21H44	000629-94-7	86
5	Octadecane	254	C18H38	000593-45-3	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031519\
Data File : BF113081.D
Acq On : 15 Mar 2019 22:30
Operator : JU/SJ
Sample : K1924-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-SOIL-PILE-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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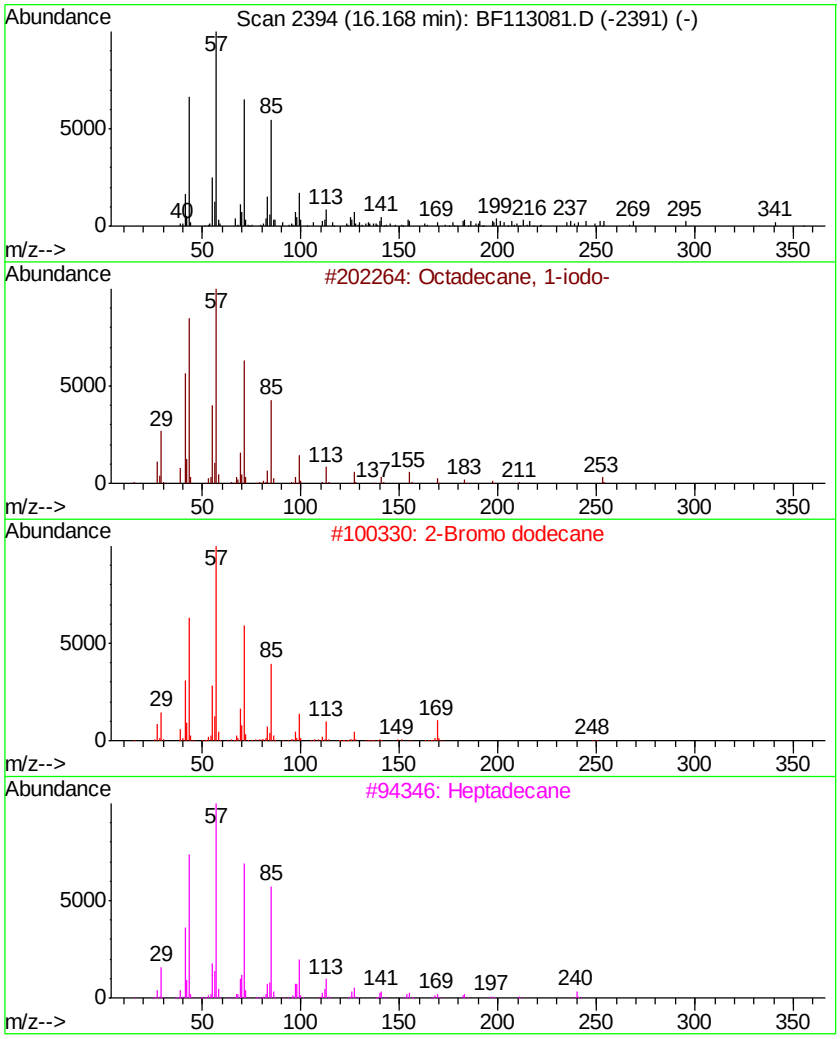
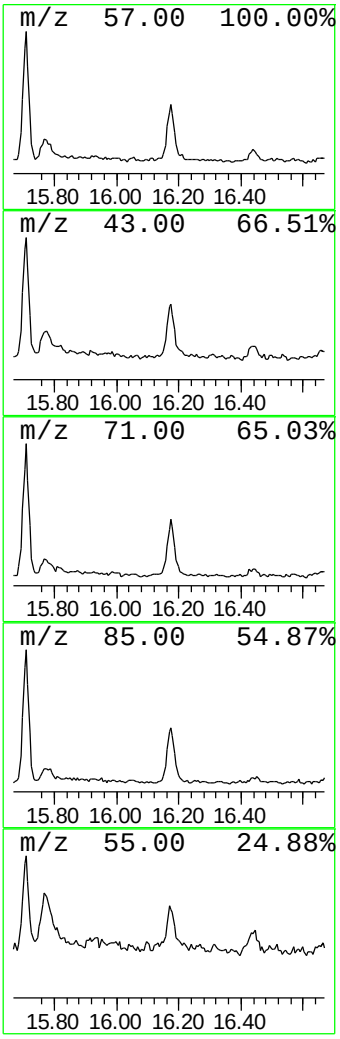
Peak Number 10 Octadecane, 1-iodo- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	3.45 ng	225099	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	86
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
3	Heptadecane	240	C17H36	000629-78-7	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Triacontane	422	C30H62	000638-68-6	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031519\
Data File : BF113081.D
Acq On : 15 Mar 2019 22:30
Operator : JU/SJ
Sample : K1924-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-SOIL-PILE-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
unknown6.50	6.50	72.4	ng	3296490	1	6.73	910935	20.0
n-Hexadecanoic acid	11.77	8.4	ng	639685	4	11.23	1525570	20.0
Octadecanoic acid	12.56	3.0	ng	203224	5	13.86	1341780	20.0
Cycloeicosane	13.72	9.3	ng	624927	5	13.86	1341780	20.0
Eicosane	14.34	3.4	ng	228264	5	13.86	1341780	20.0
Nonadecane	14.64	3.4	ng	224438	6	15.27	1305430	20.0
Hexacosane	14.95	4.6	ng	302135	6	15.27	1305430	20.0
Heptadecane	15.71	4.4	ng	286229	6	15.27	1305430	20.0
Octadecane, 1-iodo-	16.17	3.5	ng	225099	6	15.27	1305430	20.0