LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-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:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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	5.004	544	547	568	rBV	264868	449807	8.54%	1.345%
2	6.087	728	731	745	rBV	317140	483711	9.18%	1.447%
3	6.187	745	748	757	rVB	493205	512195	9.72%	1.532%
4	6.410	783	786	795	rBV	601429	532160	10.10%	1.592%
5	6.563	809	812	820	rBV	322316	338424	6.42%	1.012%
6	6.981	881	883	890	rBV	236473	262780	4.99%	0.786%
7	7.692	1001	1004	1012	rBV	848476	769513	14.60%	2.302%
8	8.310	1104	1109	1114	rBV	190668	178965	3.40%	0.535%
9	8.516	1139	1144	1147	rBV3	59222	73848	1.40%	0.221%
10	8.734	1179	1181	1184	rVV2	80805	66301	1.26%	0.198%
11	8.769	1184	1187	1196	rVB	568601	489636	9.29%	1.464%
12	8.869	1200	1204	1207	rBV	265664	244871	4.65%	0.732%
13	9.128	1244	1248	1249	rBV2	45839	56059	1.06%	0.168%
14	9.175	1253	1256	1257	rBV	105813	97348	1.85%	0.291%
15	9.398	1290	1294	1297	rBV	411625	345017	6.55%	1.032%
16	9.434	1297	1300	1305	rVV2	760904	686774	13.03%	2.054%
17	9.628	1327	1333	1335	rBV2	64107	104288	1.98%	0.312%
18	9.651	1335	1337	1341	rVV3	68318	78813	1.50%	0.236%
19	9.716	1345	1348	1351	rVV	119025	110526	2.10%	0.331%
20	9.751	1351	1354	1361	rVV4	62097	93376	1.77%	0.279%
21	9.892	1375	1378	1381	rVB	442250	340477	6.46%	1.018%
22	10.110	1410	1415	1418	rBV	147865	186802	3.55%	0.559%
23	10.192	1426	1429	1432	rBV	60501	56764	1.08%	0.170%
24	10.228	1432	1435	1439	rVV3	225685	235550	4.47%	0.704%
25	10.363	1455	1458	1464	rBV	422282	456157	8.66%	1.364%
26	10.557	1487	1491	1494	rBV2	60654	74610	1.42%	0.223%
27	10.680	1509	1512	1516	rVB3	47548	53772	1.02%	0.161%
28	10.804	1530	1533	1536	rBV	331900	308809	5.86%	0.924%
29	10.839	1536	1539	1544	rVB	116669	131192	2.49%	0.392%
30	10.910	1547	1551	1554	rBV	616794	524655	9.96%	1.569%
31	10.992	1561	1565	1568	rBV4	45535	68518	1.30%	0.205%
32	11.233	1602	1606	1608	rBV	281768	262641	4.98%	0.786%
33	11.333	1619	1623	1626	rBV	2824368	2626727	49.85%	7.856%
34	11.480	1643	1648	1653	rBV	754880	799735	15.18%	2.392%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-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:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.522	1653	1655	1666	rVB5	62308	129691	2.46%	0.388%
36	11.633	1671	1674	1682	rVB	232949	286960	5.45%	0.858%
37	12.016	1734	1739	1741	rBV	3619789	5011780	95.12%	14.990%
38	12.045	1741	1744	1749	rVV	4316213	5269068	100.00%	15.759%
39	12.122	1753	1757	1760	rBV2	1800403	1642896	31.18%	4.914%
40	12.192	1760	1769	1778	rBV2	1812166	3686784	69.97%	11.027%
41	12.263	1778	1781	1785	rVB	215681	206446	3.92%	0.617%
42	12.351	1791	1796	1800	rVB2	319651	403694	7.66%	1.207%
43	12.392	1800	1803	1808	rBV	139569	127971	2.43%	0.383%
44	12.492	1817	1820	1823	rVB	426559	349181	6.63%	1.044%
45	12.557	1828	1831	1833	rBV2	70857	77382	1.47%	0.231%
46	12.604	1835	1839	1843	rVV3	87053	139535	2.65%	0.417%
47	12.669	1847	1850	1852	rVV2	198957	191171	3.63%	0.572%
48	12.698	1852	1855	1860	rVV3	189524	325502	6.18%	0.974%
49	12.757	1860	1865	1868	rVV3	128494	201302	3.82%	0.602%
50	12.839	1876	1879	1882	rVB	222828	192647	3.66%	0.576%
51	12.945	1894	1897	1900	rBV	115496	116460	2.21%	0.348%
52	12.998	1903	1906	1909	rVV2	124033	143229	2.72%	0.428%
53	13.027	1909	1911	1918	rVB2	69082	74739	1.42%	0.224%
54	13.086	1918	1921	1925	rVB	71794	75597	1.43%	0.226%
55	13.263	1947	1951	1954	rVB2	236645	294202	5.58%	0.880%
56	13.504	1989	1992	1994	rBV	179418	164640	3.12%	0.492%
57	13.533	1994	1997	2000	rVV	570644	590871	11.21%	1.767%
58	13.563	2000	2002	2005	rVB	64756	57766	1.10%	0.173%
59	13.886	2053	2057	2059	rBV	66945	95340	1.81%	0.285%
60	14.033	2078	2082	2085	rBV2	111892	156058	2.96%	0.467%
61	14.121	2095	2097	2103	rVB3	82734	84542	1.60%	0.253%
62	14.327	2129	2132	2136	rBV	87912	95145	1.81%	0.285%
63	14.421	2144	2148	2154	rBV	235789	290477	5.51%	0.869%
64	14.874	2222	2225	2229	rBV	281221	288171	5.47%	0.862%
65	15.257	2288	2290	2301	rVB2	114933	242946	4.61%	0.727%
66	16.110	2430	2435	2441	rBV3	66924	144493	2.74%	0.432%
67	17.286	2628	2635	2636	rBV6	49170	102447	1.94%	0.306%
68	17.686	2699	2703	2708	rBV7	32954	75123	1.43%	0.225%

Sum of corrected areas: 33435077

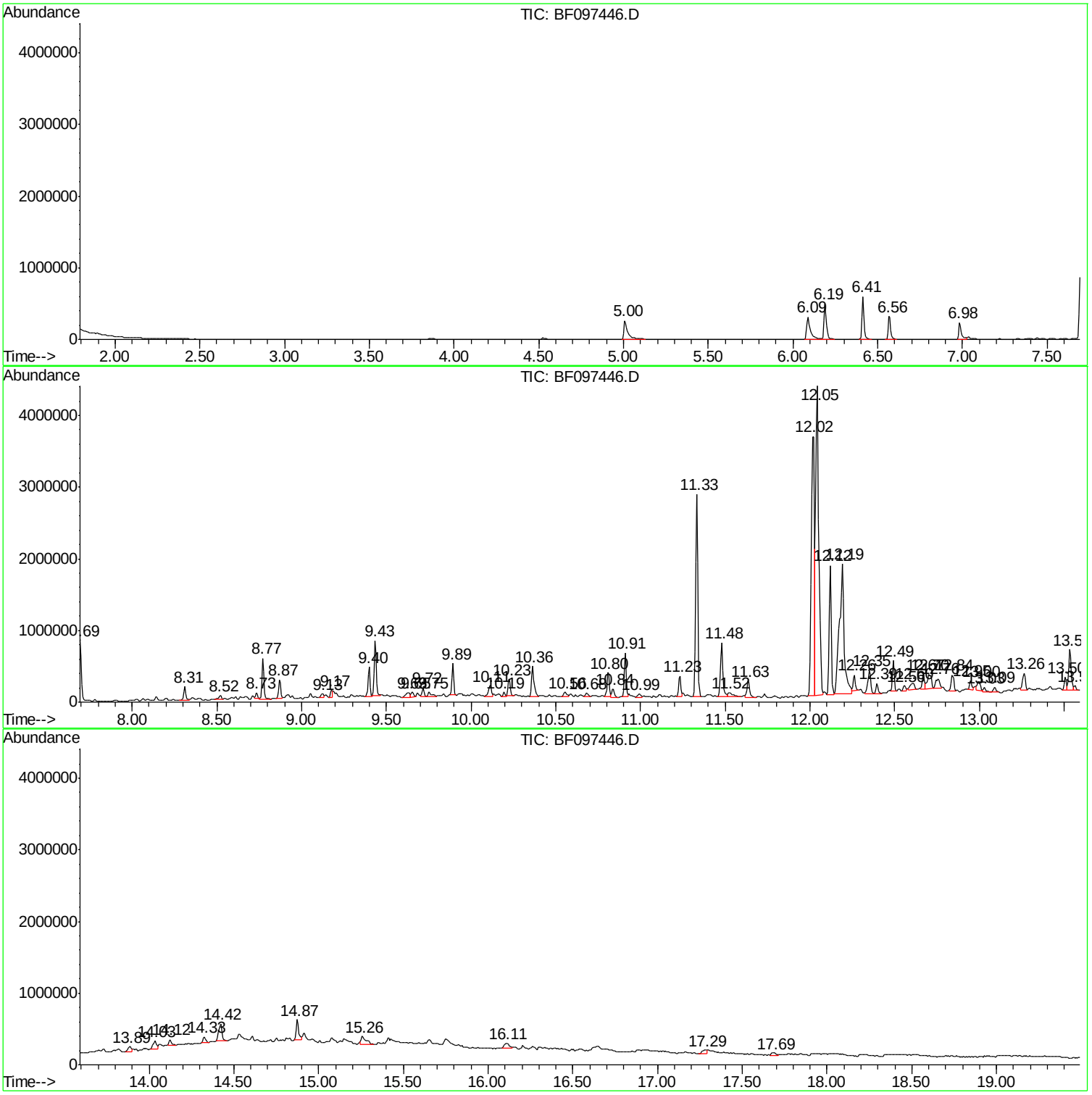
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

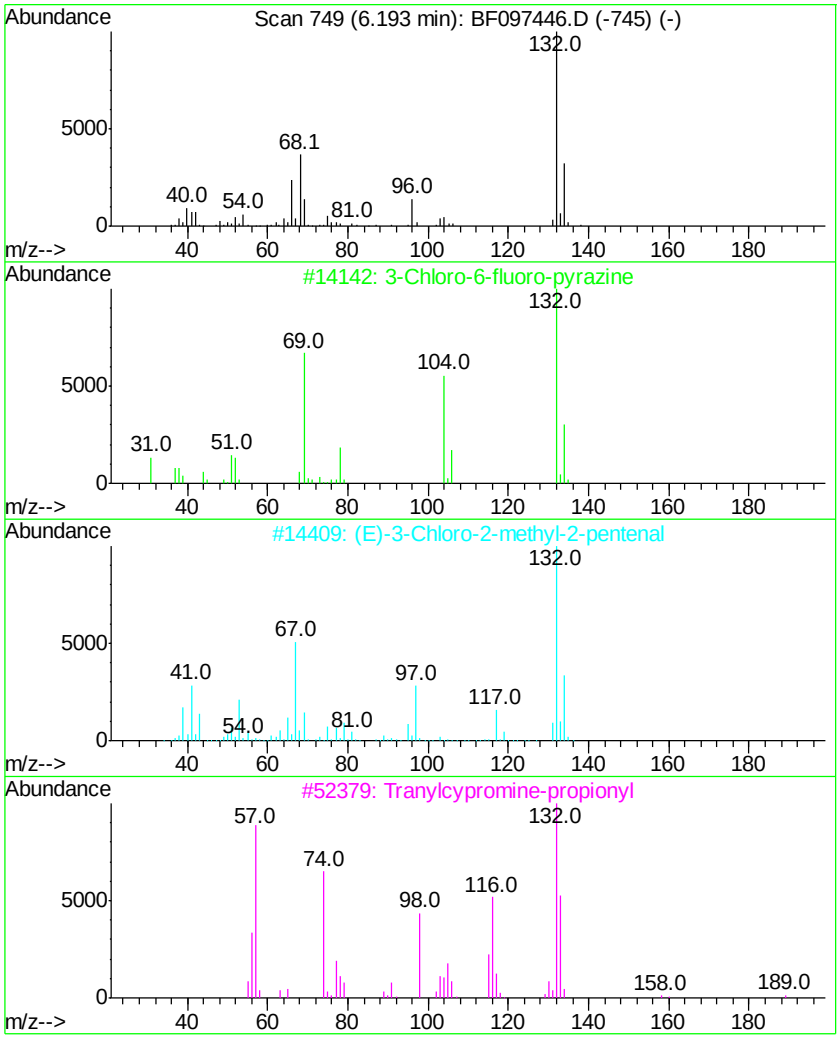
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

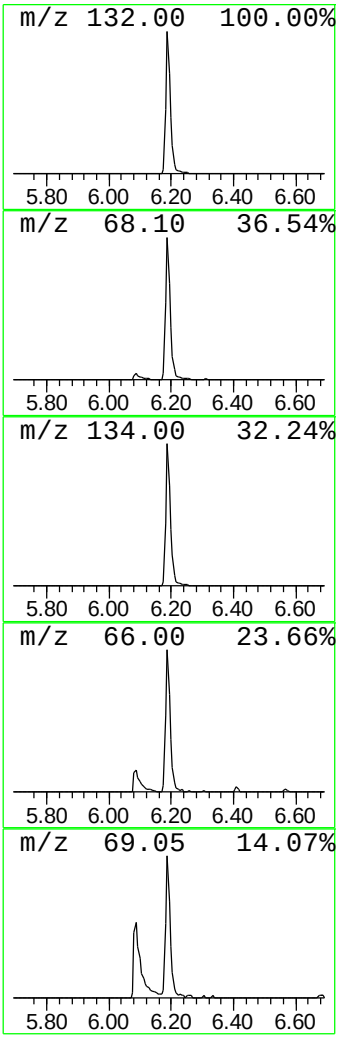
****

Peak Number 1 unknown6.19 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.19	19.25 ng	512195	1,4-Dichlorobenzene-d4	6.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

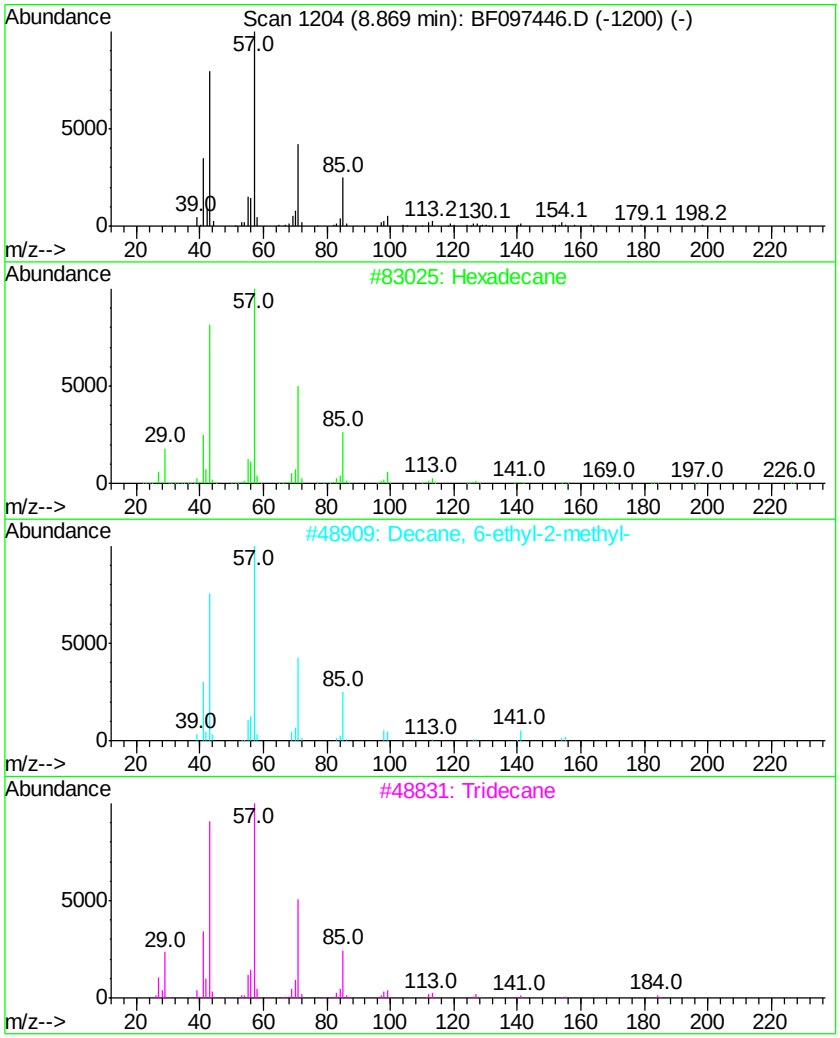
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

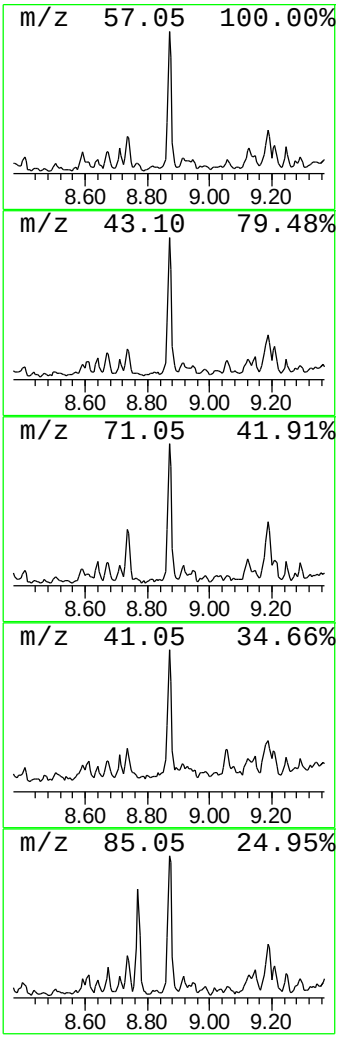
****

Peak Number 3 Hexadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	7.13 ng	244871	Acenaphthene-d10	9.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	80
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

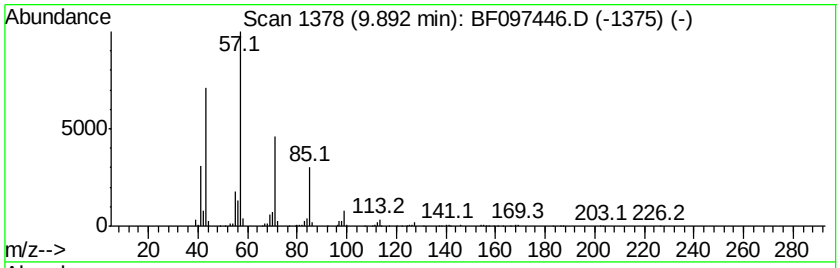
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

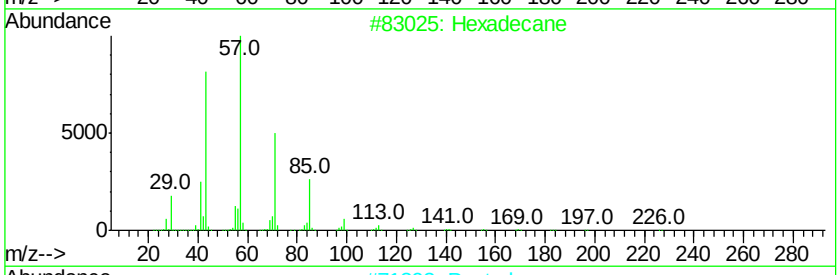
****

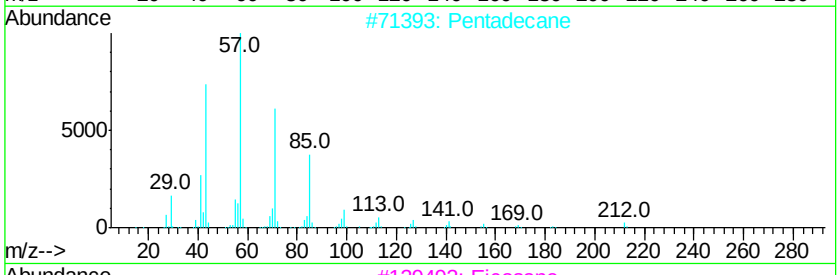
Peak Number 4 Pentadecane Concentration Rank 18

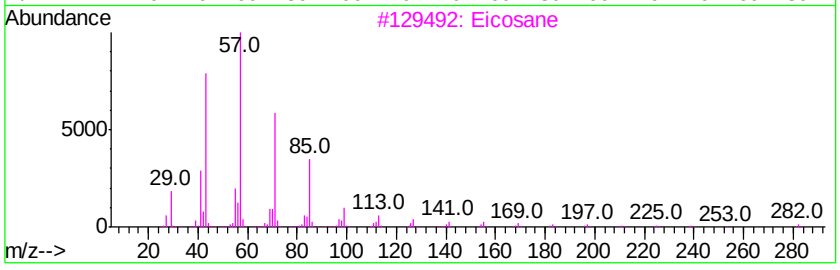
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	9.92 ng	340477	Acenaphthene-d10	9.43

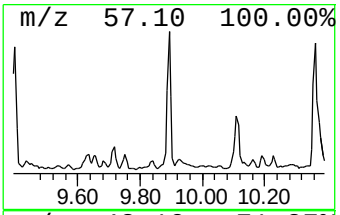
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Pentadecane	212	C15H32	000629-62-9	90
3	Eicosane	282	C20H42	000112-95-8	83
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	81
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80

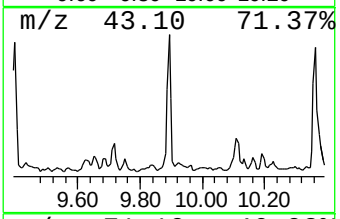


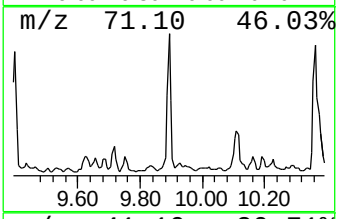


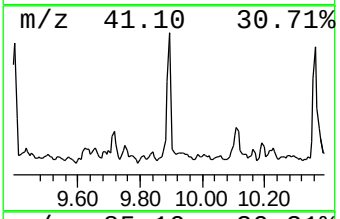


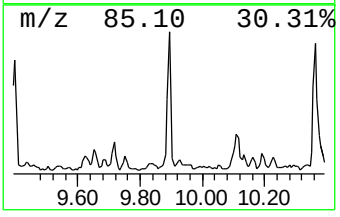












Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

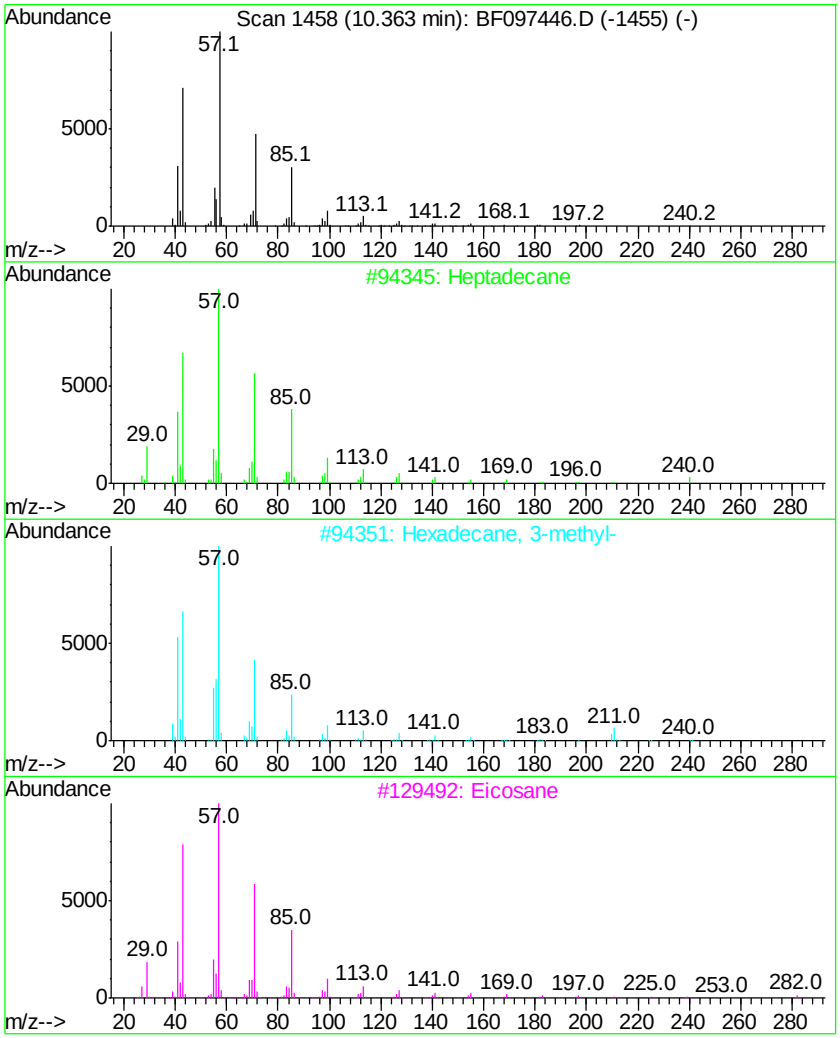
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

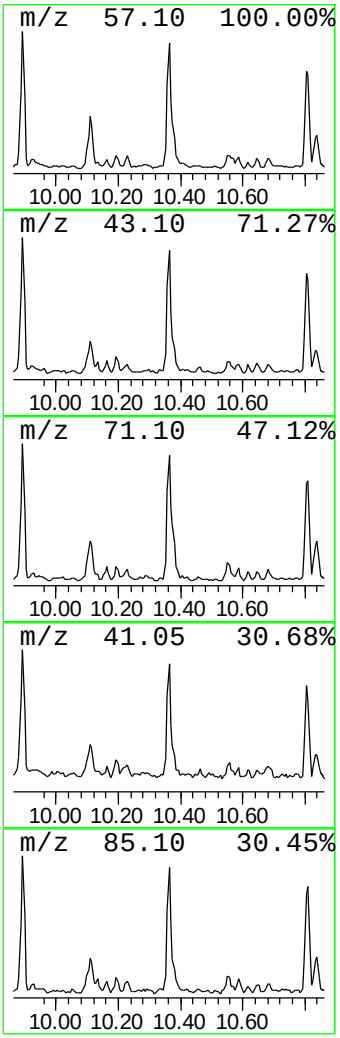
****

Peak Number 5 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	17.39 ng	456157	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	90
3	Eicosane	282	C20H42	000112-95-8	90
4	Hexadecane	226	C16H34	000544-76-3	87
5	Pentadecane	212	C15H32	000629-62-9	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

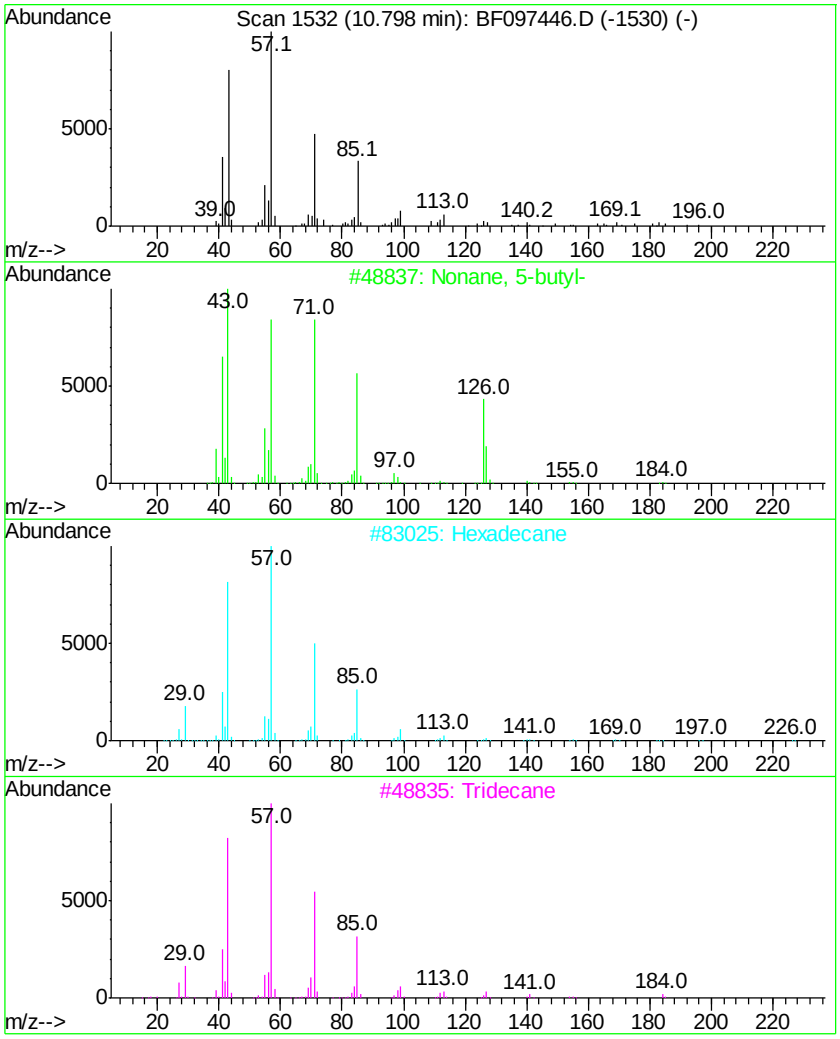
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

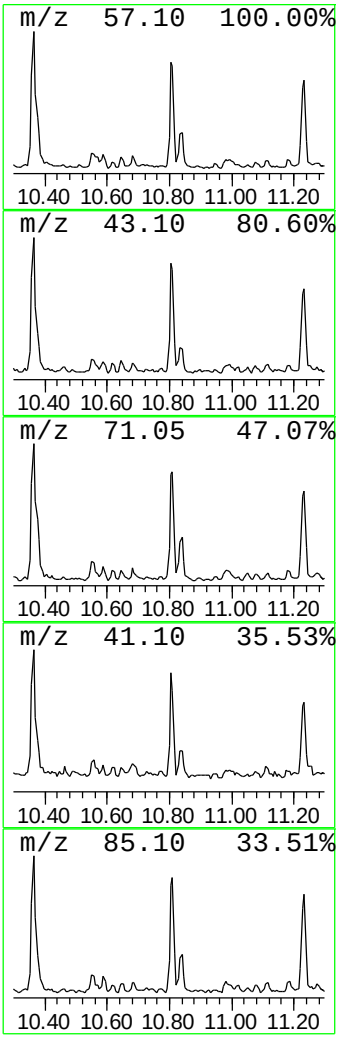
****

Peak Number 6 Nonane, 5-butyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	11.77 ng	308809	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-butyl-	184	C13H28	017312-63-9	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tridecane	184	C13H28	000629-50-5	90
4	Eicosane	282	C20H42	000112-95-8	90
5	Tetradecane	198	C14H30	000629-59-4	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

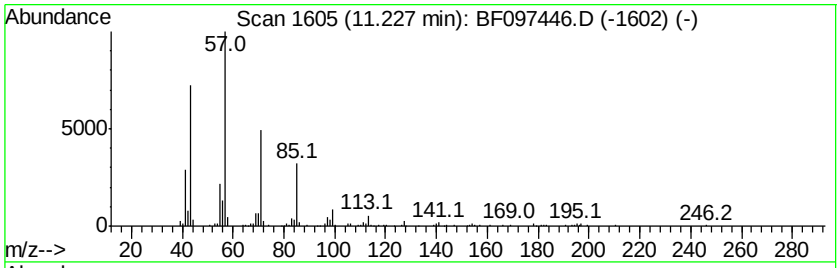
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

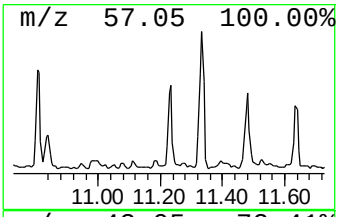
****

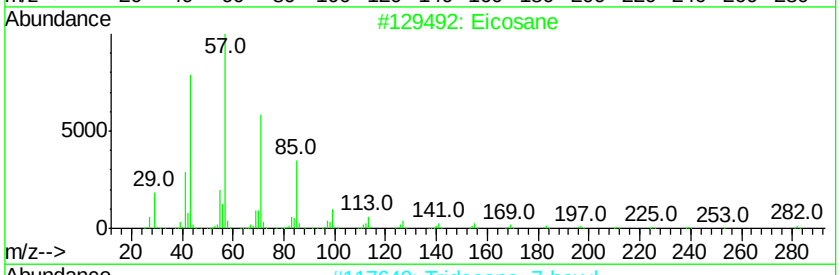
Peak Number 7 Eicosane Concentration Rank 16

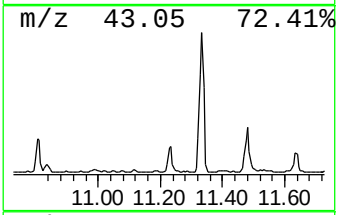
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	10.01 ng	262641	Phenanthrene-d10	10.91

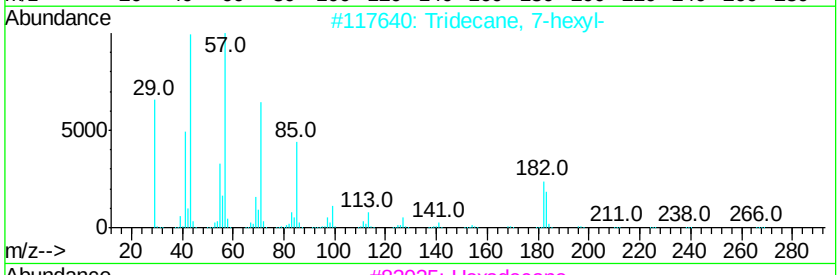
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Tetracosane	338	C24H50	000646-31-1	86
5	Heneicosane	296	C21H44	000629-94-7	86

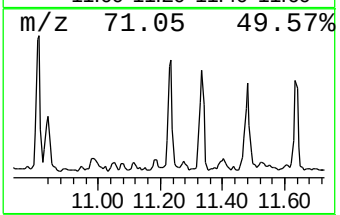


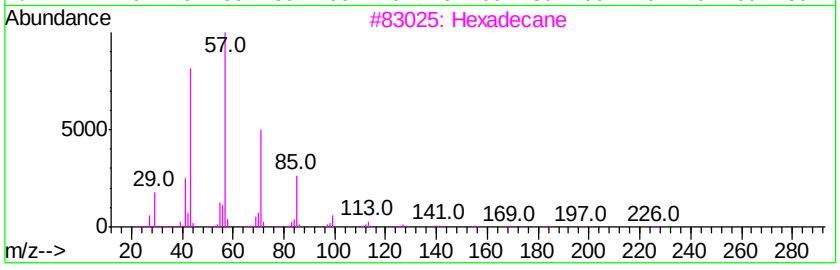


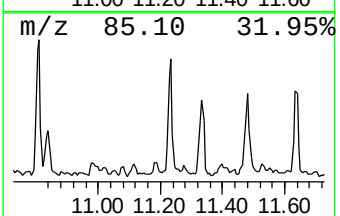


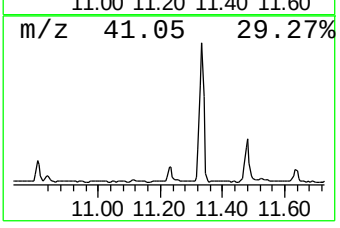












Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

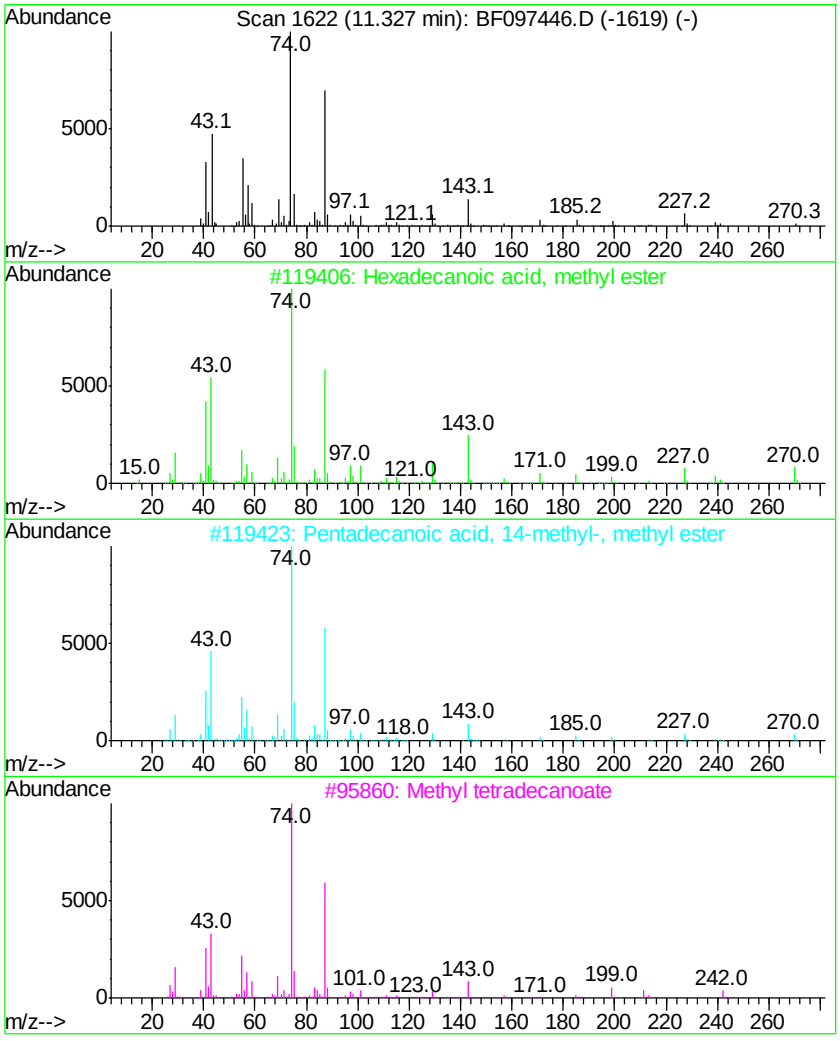
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

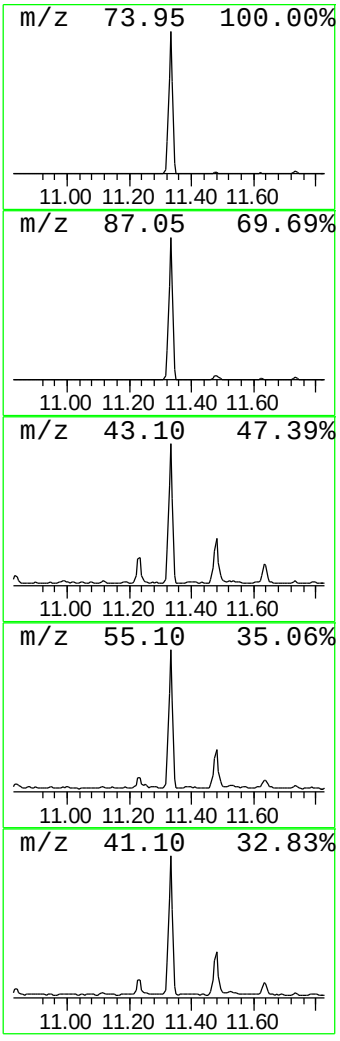
****

Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	100.13 ng	2626730	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	94
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
4	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	90
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

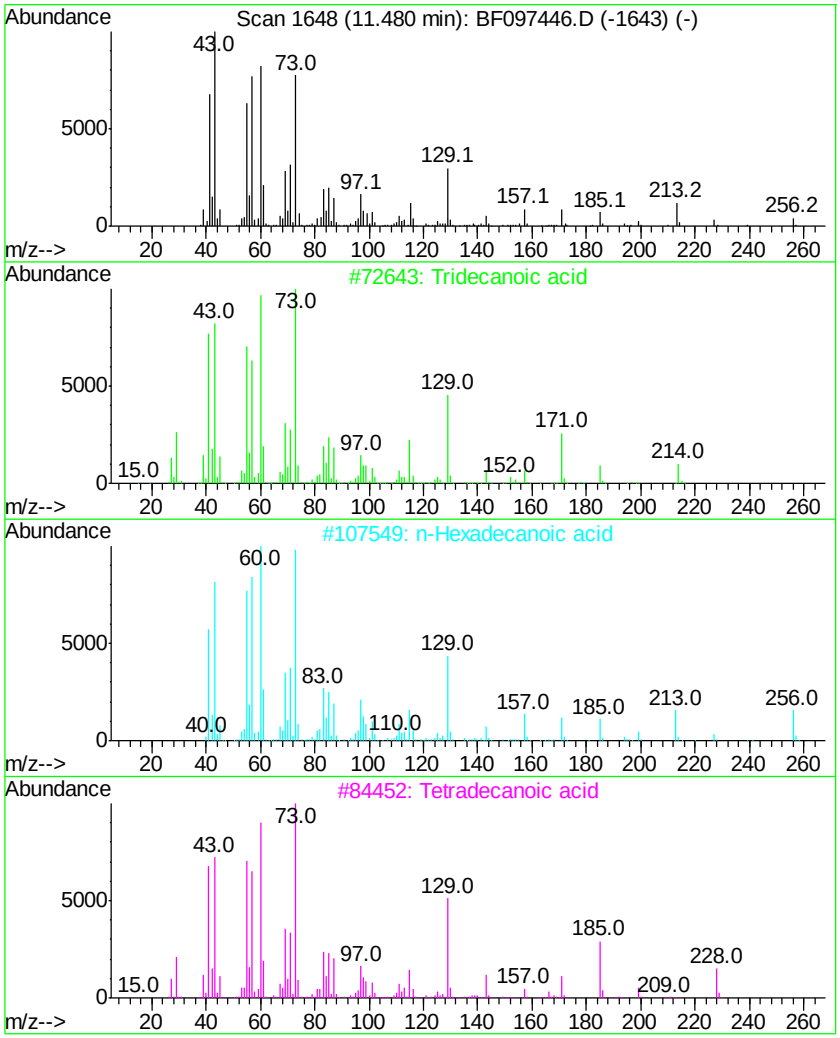
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

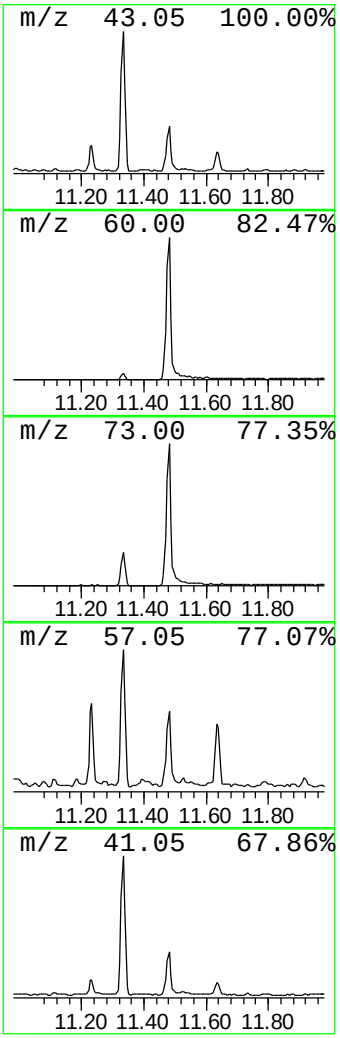
****

Peak Number 9 Tridecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	30.49 ng	799735	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
4	Dodecanoic acid	200	C12H24O2	000143-07-7	74
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

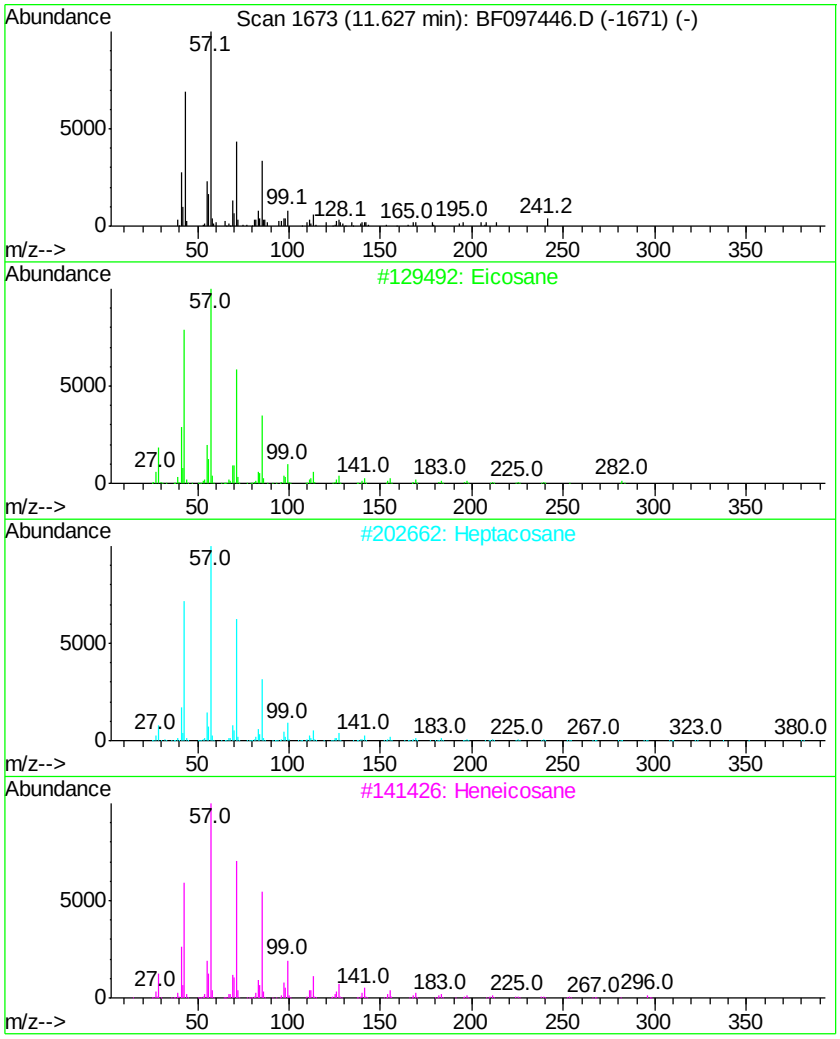
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

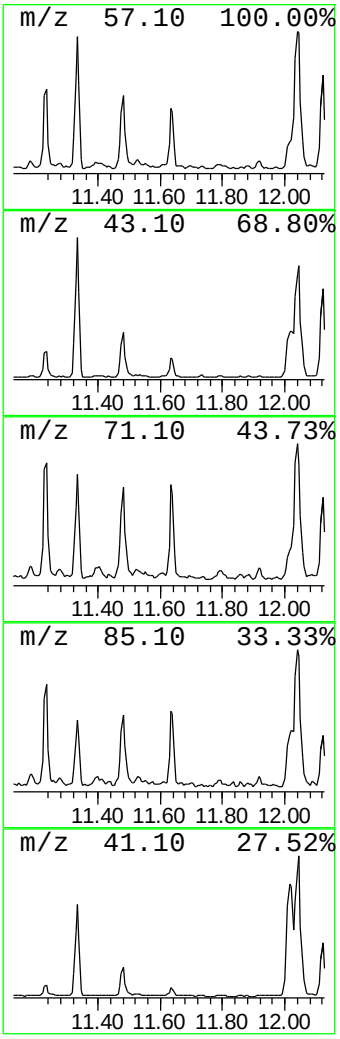
****

Peak Number 10 Heneicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	10.94 ng	286960	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Heptacosane	380	C27H56	000593-49-7	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Hexadecane	226	C16H34	000544-76-3	86
5	Tetracosane	338	C24H50	000646-31-1	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

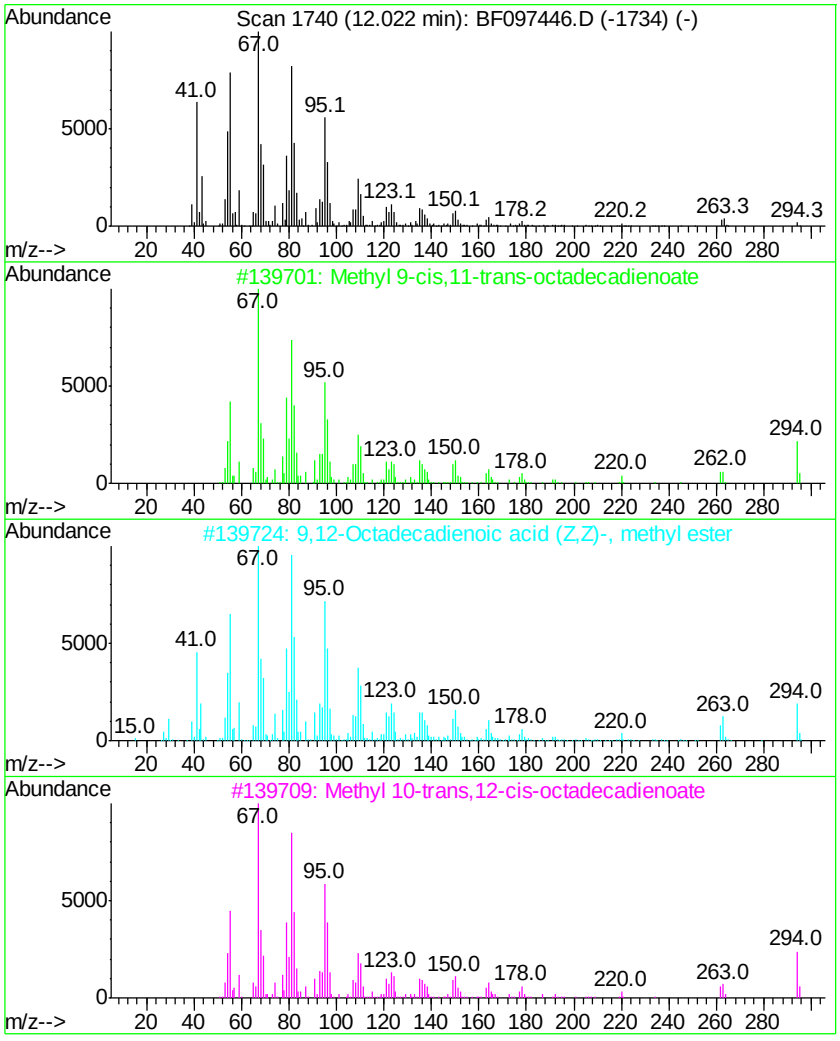
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

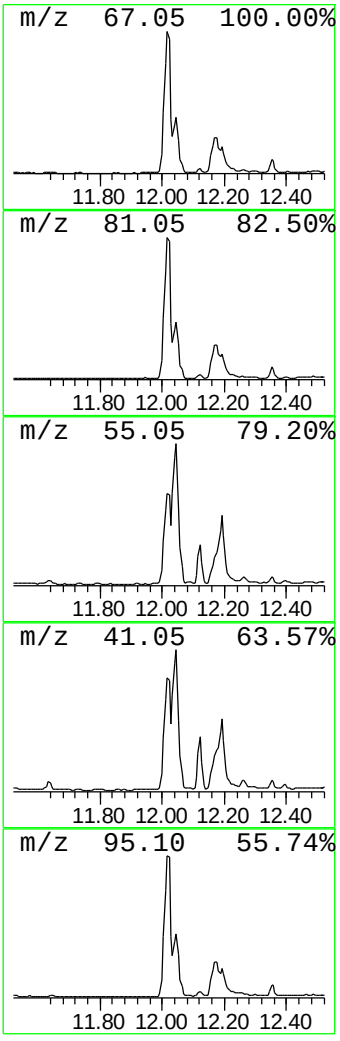
****

Peak Number 11 Methyl 9-cis,11-trans-octad... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	191.05 ng	5011780	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	99
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
5	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

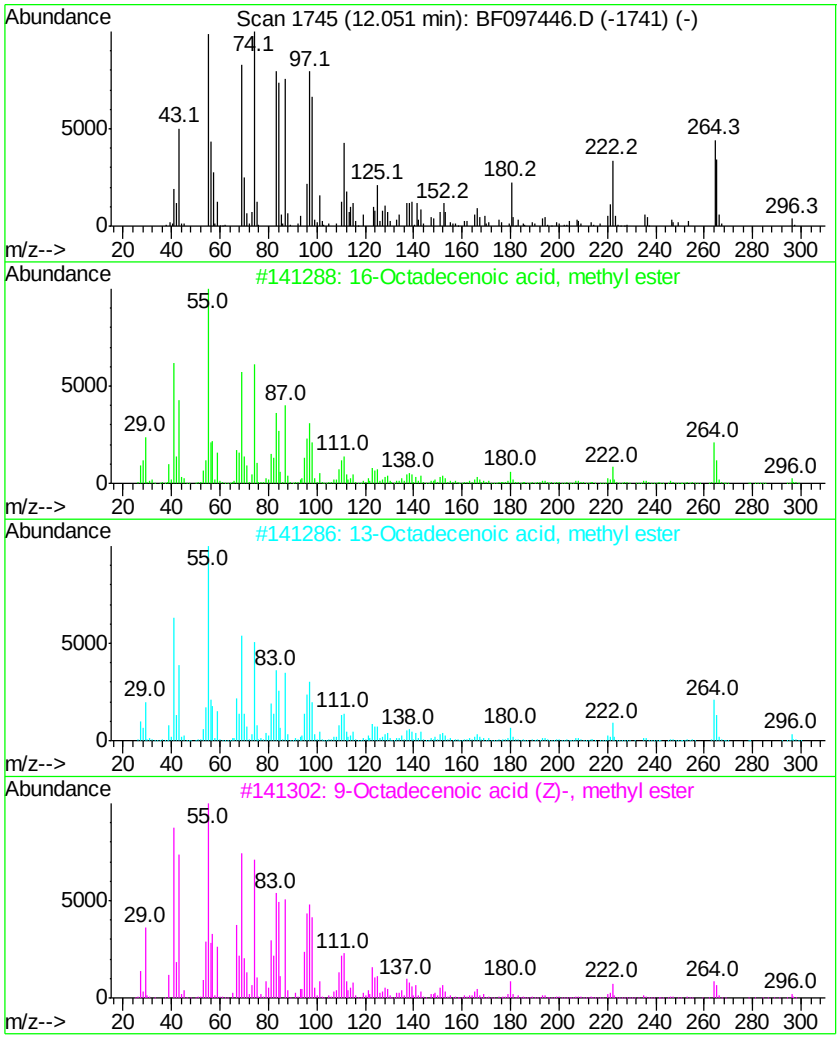
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

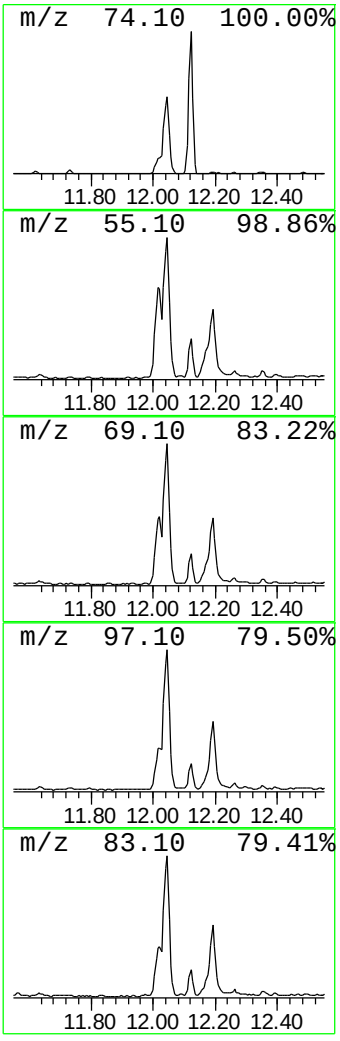
****

Peak Number 12 16-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	200.86 ng	5269070	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	96
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	95
3	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	94
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	93
5	6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

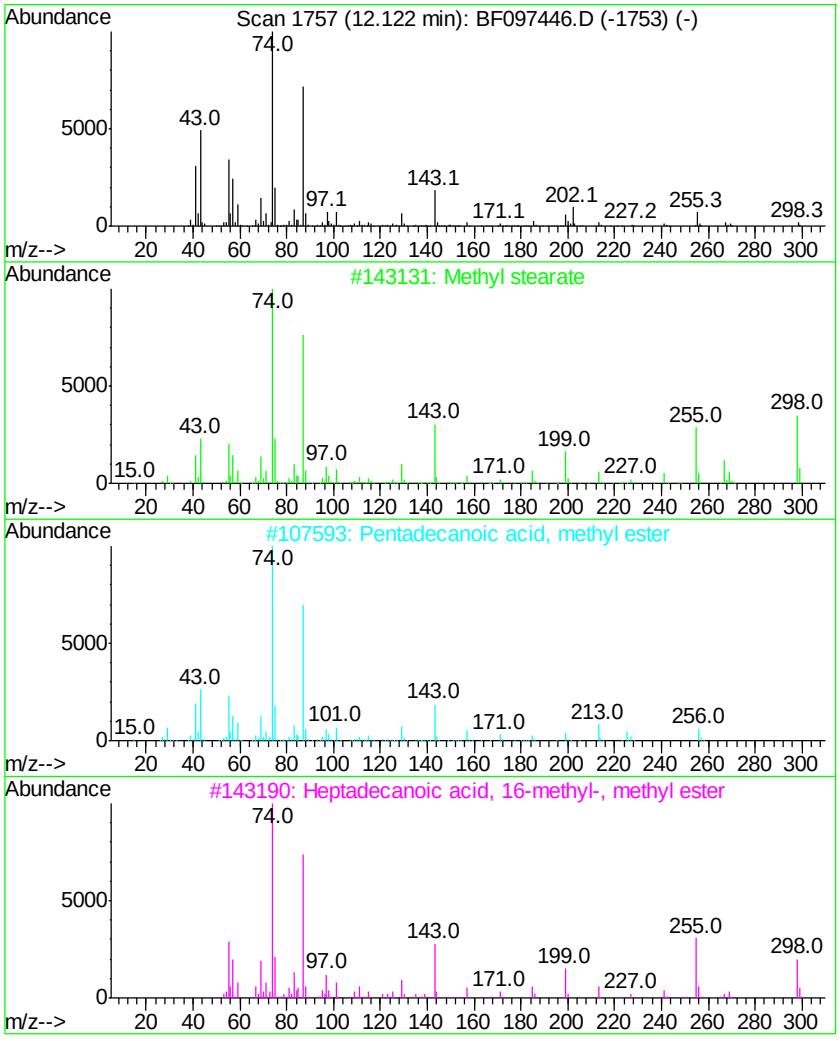
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

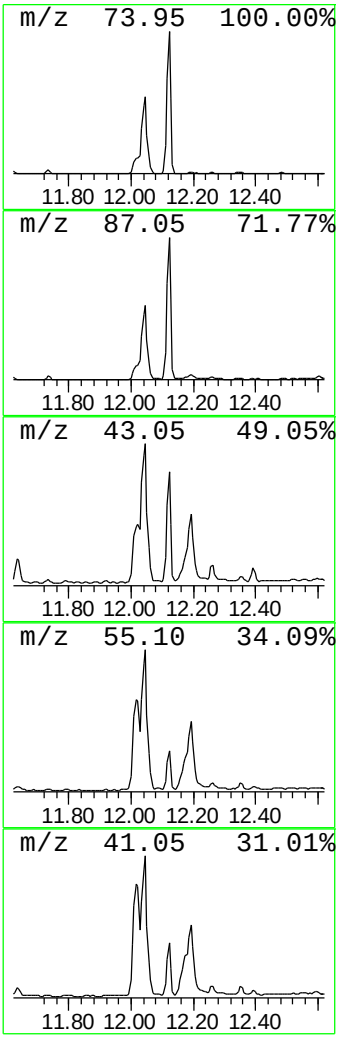
****

Peak Number 13 Methyl stearate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	62.63 ng	1642900	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	97
2	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	93
3	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	90
4	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	87
5	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

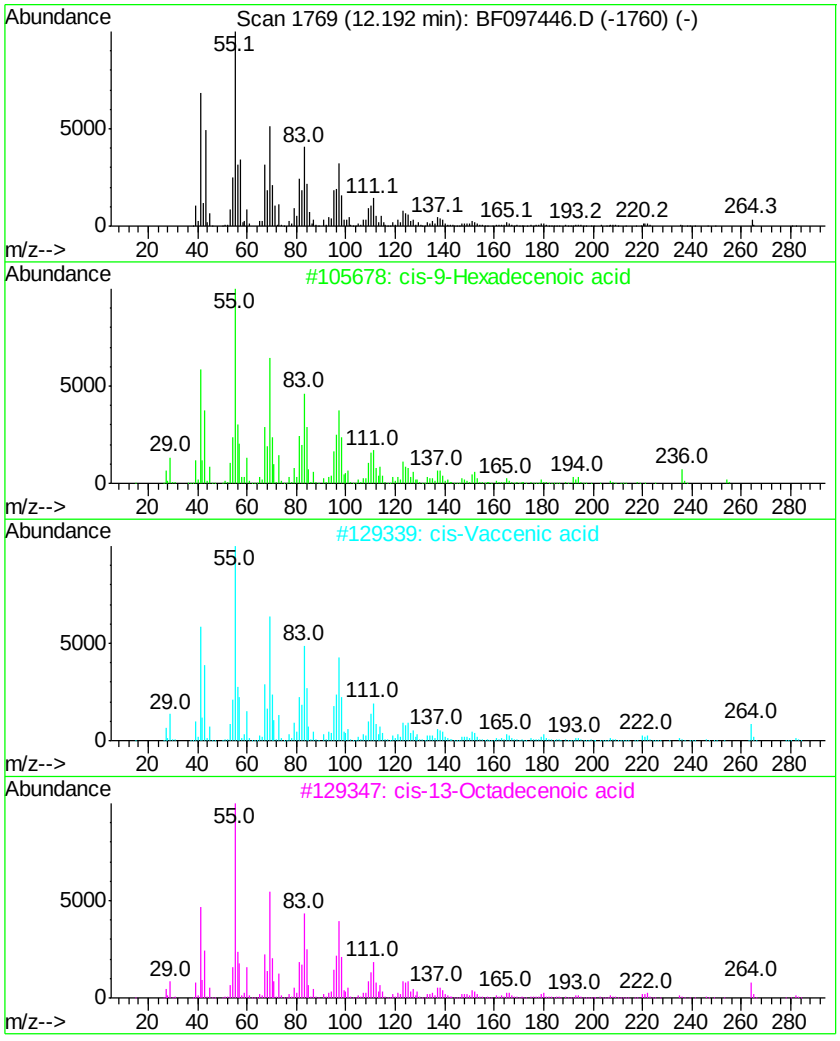
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

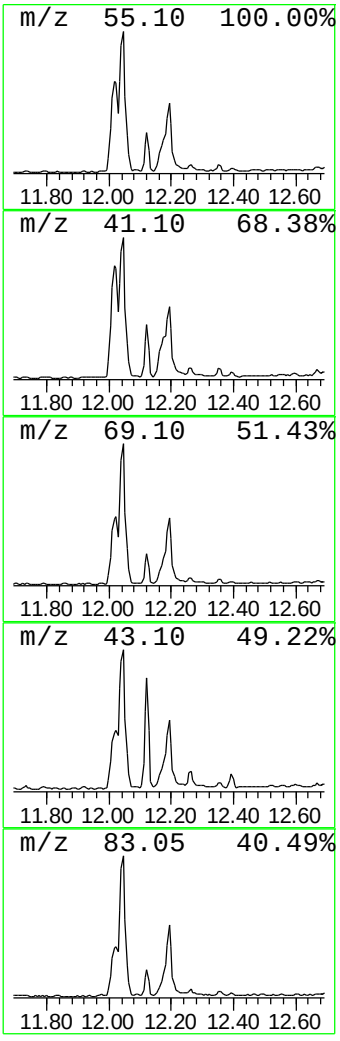
****

Peak Number 14 cis-9-Hexadecenoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	140.54 ng	3686780	Phenanthrene-d10	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	91
2	cis-Vaccenic acid	282	C18H34O2	000506-17-2	91
3	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	91
4	Palmitoleic acid	254	C16H30O2	000373-49-9	87
5	9-octadecanoic acid, 2,2,3,3,4,4...	464	C22H35F7O2	1000376-61-4	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

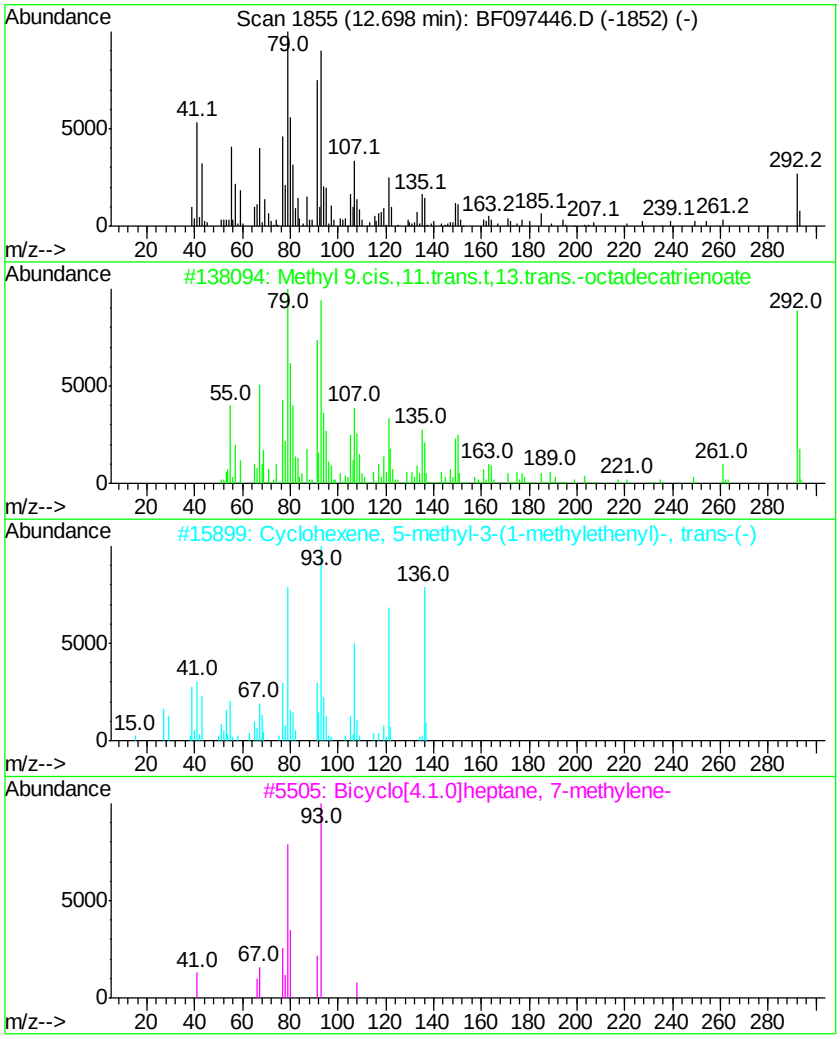
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

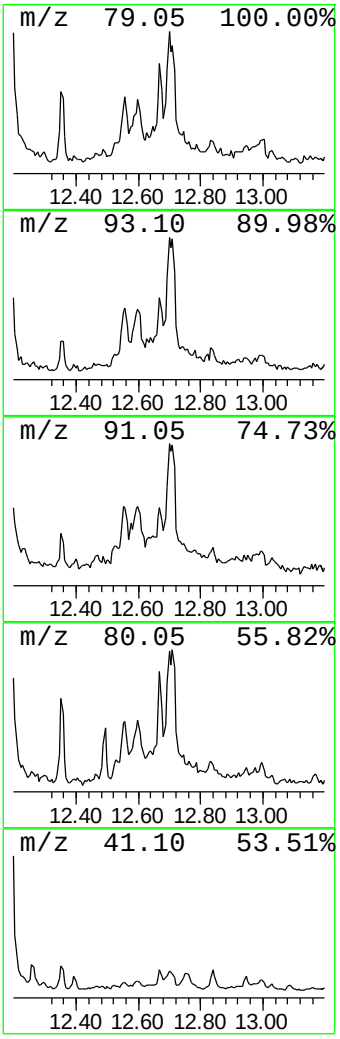
****

Peak Number 15 Methyl 9.cis.,11.trans.t,13... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	11.02 ng	325502	Chrysene-d12	13.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 9.cis.,11.trans.t,13.tran...	292	C19H32O2	1000336-42-6	97
2	Cyclohexene, 5-methyl-3-(1-methy...	136	C10H16	056816-08-1	72
3	Bicyclo[4.1.0]heptane, 7-methylene-	108	C8H12	054211-14-2	68
4	6-Butyl-1,4-cycloheptadiene	150	C11H18	022735-58-6	64
5	Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

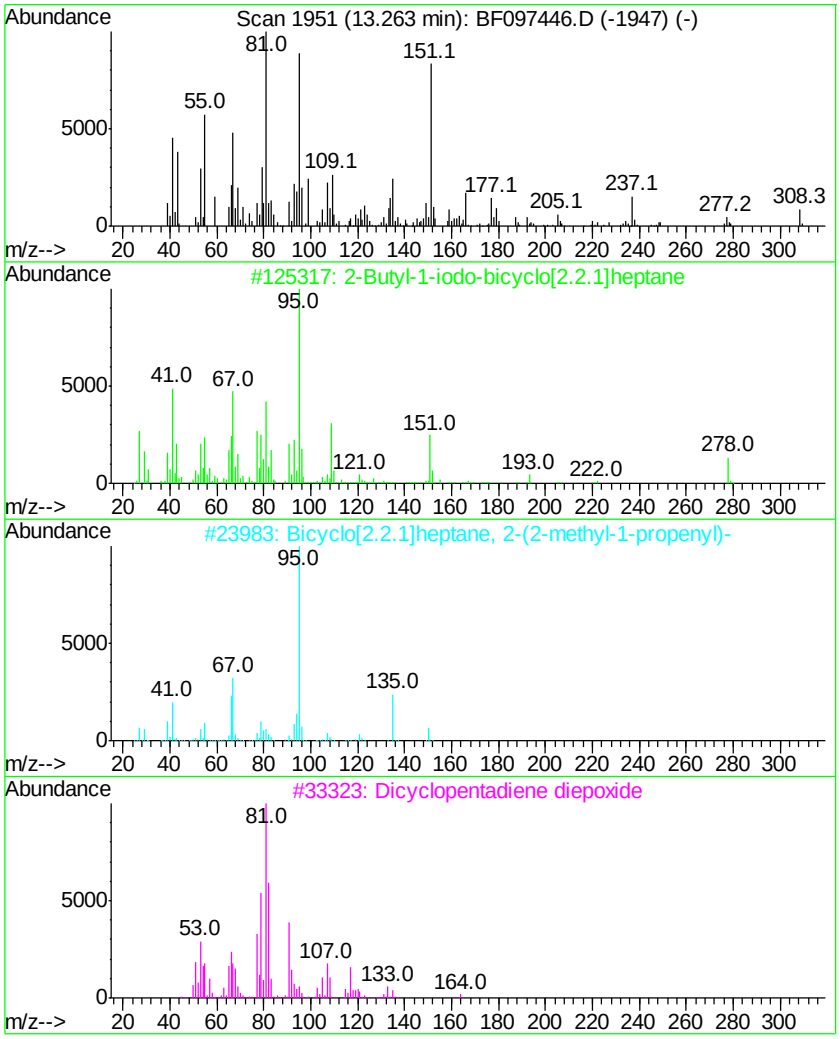
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

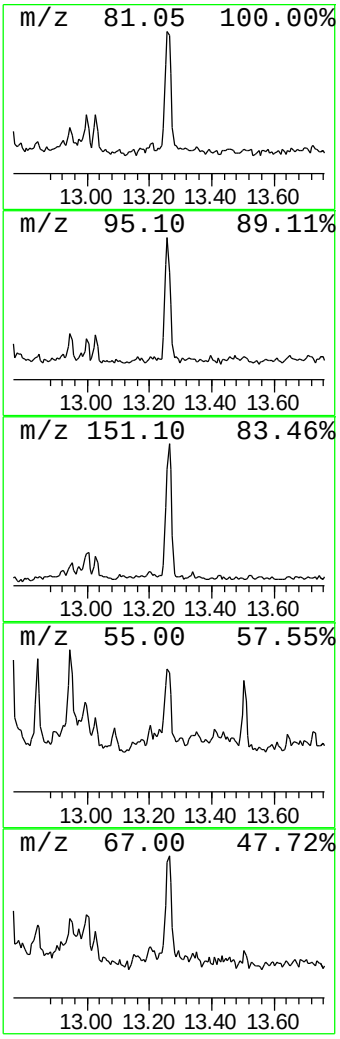
****

Peak Number 16 unknown13.26 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	9.96 ng	294202	Chrysene-d12	13.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyl-1-iodo-bicyclo[2.2.1]hep...	278	C11H19I	1000190-59-7	45
2	Bicyclo[2.2.1]heptane, 2-(2-meth...	150	C11H18	061142-27-6	35
3	Dicyclopentadiene diepoxide	164	C10H12O2	000081-21-0	30
4	2(5H)-Furanone, 4-methyl-5,5-bis...	206	C13H18O2	099202-98-9	30
5	Cis-3-ethyl-endo-tricyclo[5.2.1....	164	C12H20	1000215-29-1	15





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

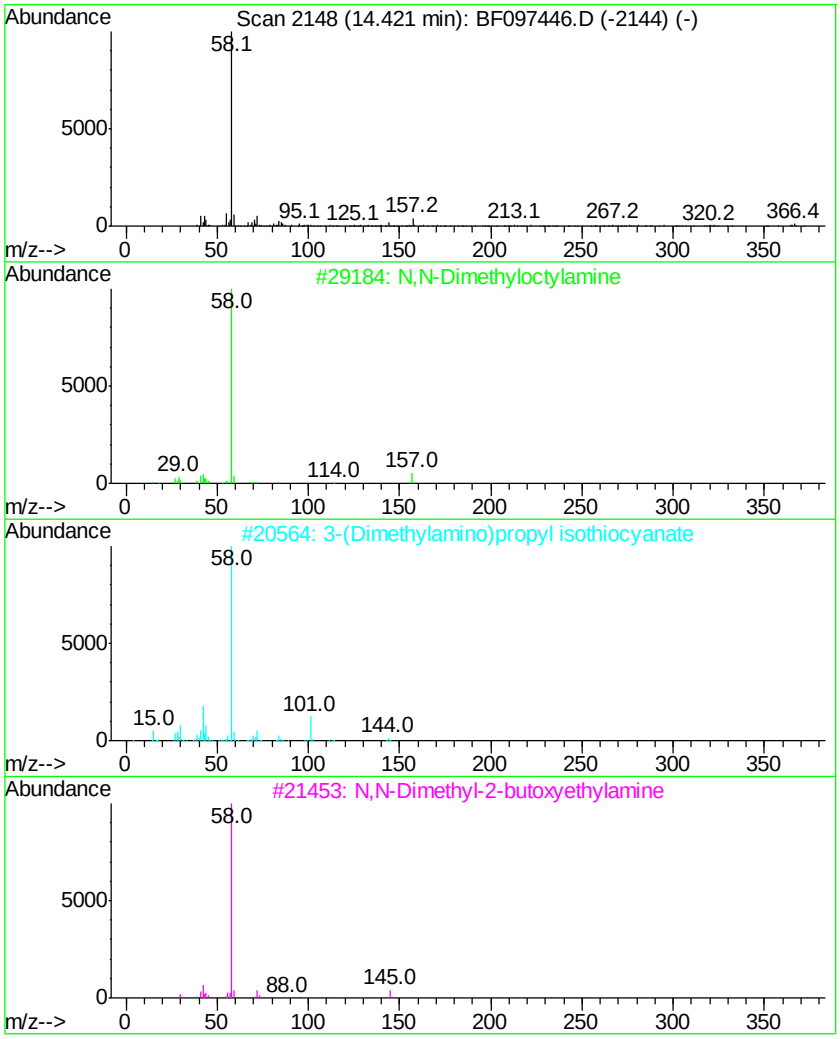
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

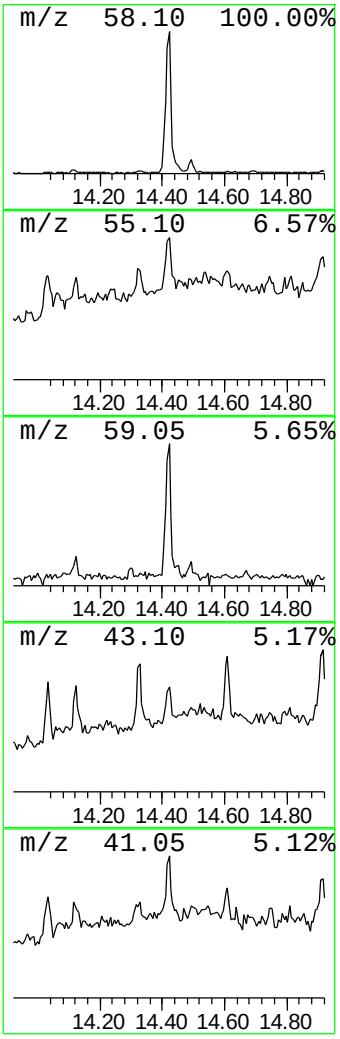
****

Peak Number 17 N,N-Dimethyloctylamine Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	20.16 ng	290477	Perylene-d12	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	64
2	3-(Dimethylamino)propyl isothioc...	144	C6H12N2S	027421-70-1	64
3	N,N-Dimethyl-2-butoxyethylamine	145	C8H19NO	071126-58-4	64
4	n-Octyl trimethyl ammonium bromide	251	C11H26BrN	002083-68-3	64
5	Acetone, 1-[4-(dimethylaminoetho...	221	C13H19NO2	086608-11-9	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

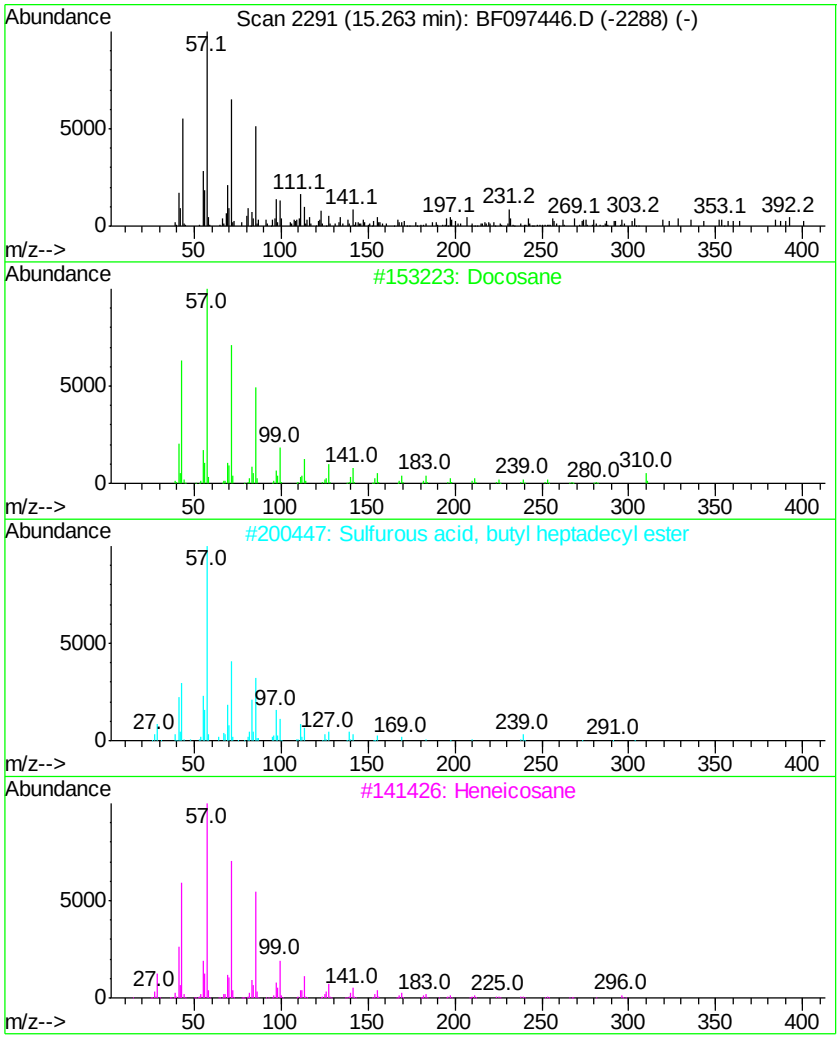
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

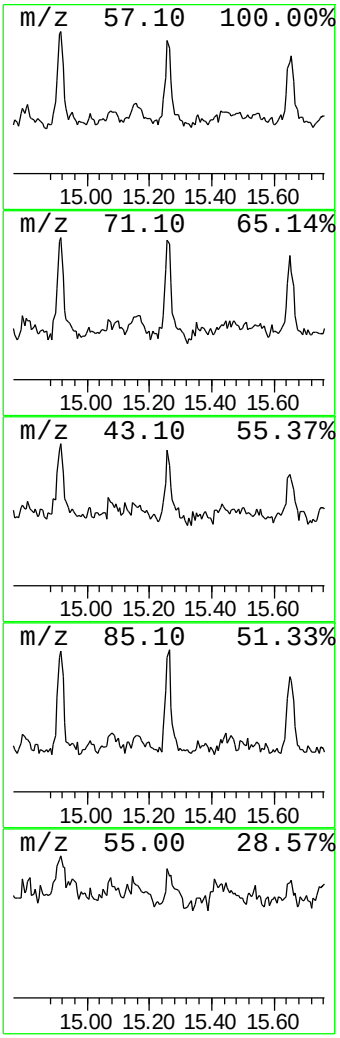
****

Peak Number 18 Docosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	16.86 ng	242946	Perylene-d12	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	94
2	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	86
3	Heneicosane	296	C21H44	000629-94-7	76
4	Heptacosane	380	C27H56	000593-49-7	74
5	Eicosane, 2-methyl-	296	C21H44	001560-84-5	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

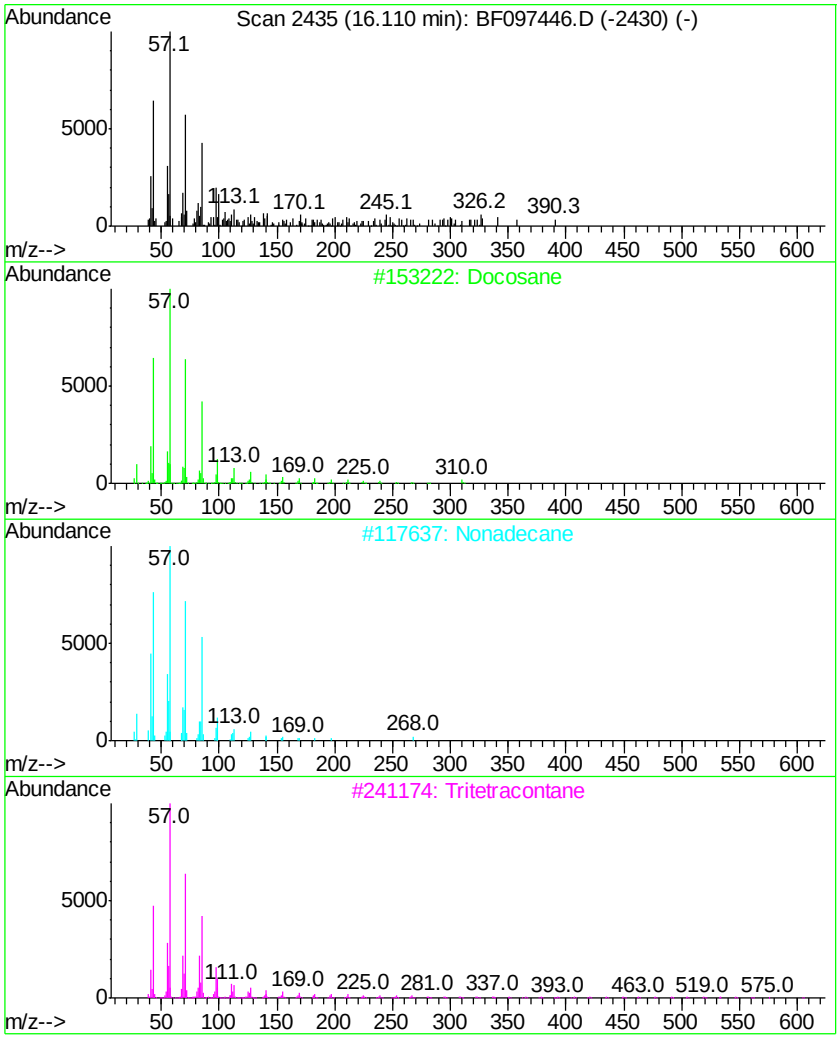
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

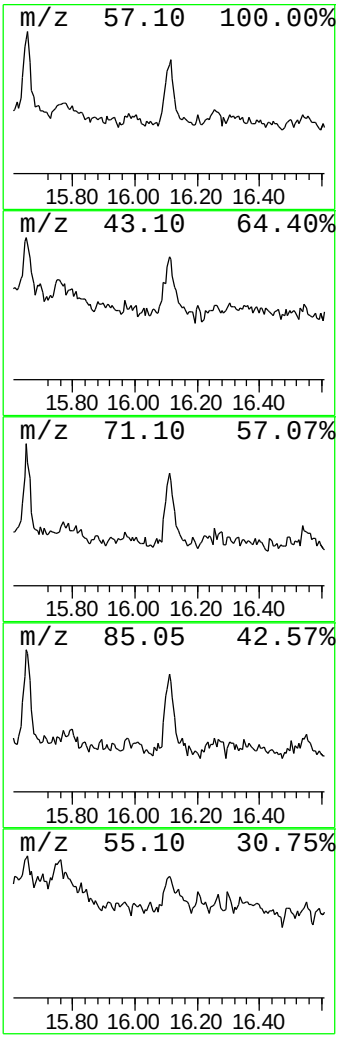
****

Peak Number 19 Nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	10.03 ng	144493	Perylene-d12	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	90
2	Nonadecane	268	C19H40	000629-92-5	78
3	Tritetracontane	605	C43H88	007098-21-7	64
4	Sulfurous acid, butyl octadecyl ...	390	C22H46O3S	1000309-18-5	64
5	Tetradecane	198	C14H30	000629-59-4	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

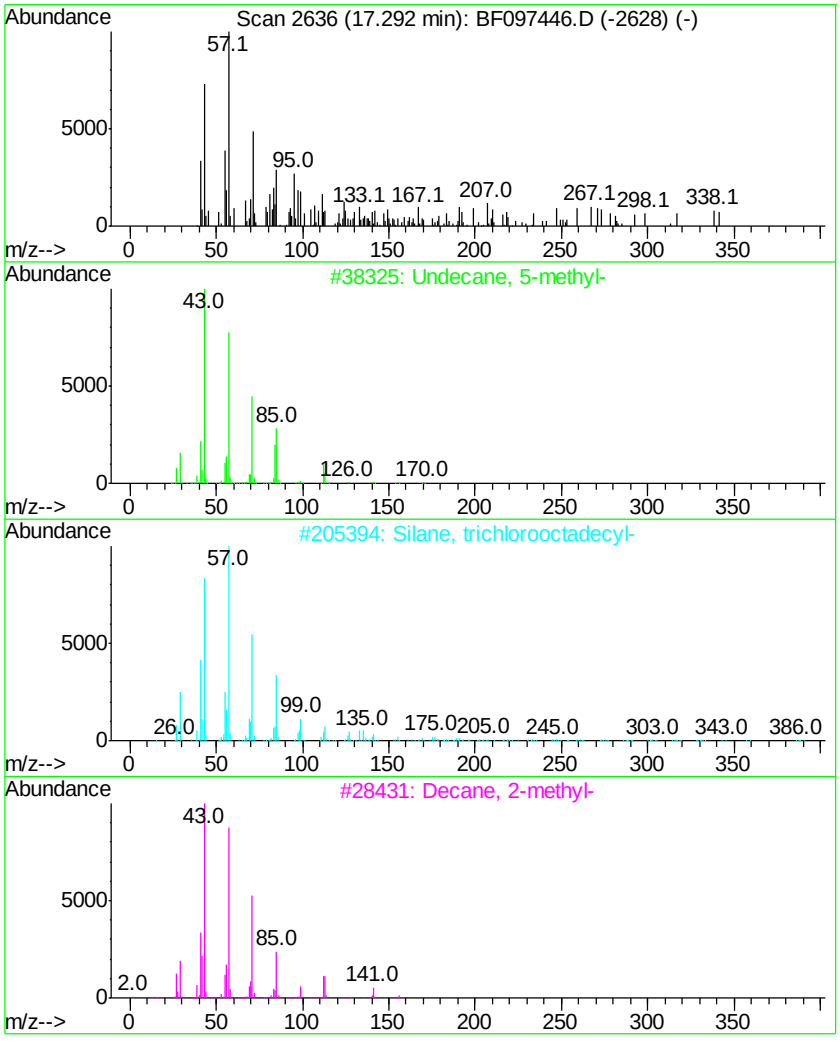
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

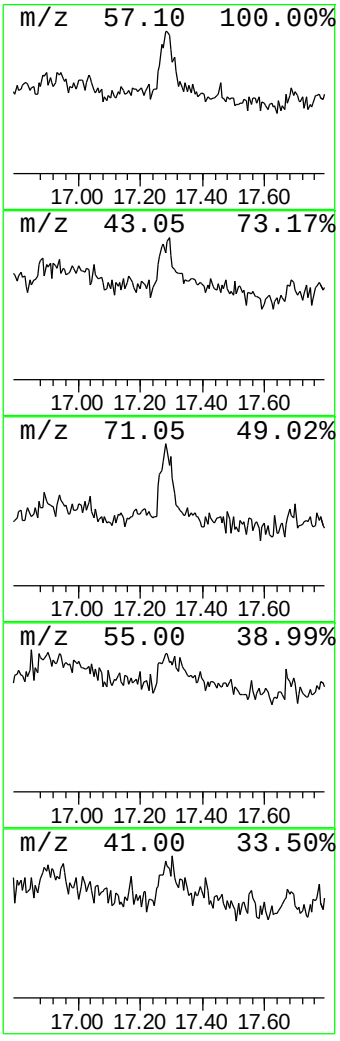
****

Peak Number 20 unknown17.29 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	7.11 ng	102447	Perylene-d12	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-methyl-	170	C12H26	001632-70-8	49
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	49
3	Decane, 2-methyl-	156	C11H24	006975-98-0	49
4	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	49
5	Eicosane	282	C20H42	000112-95-8	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080717\
Data File : BF097446.D
Acq On : 7 Aug 2017 23:13
Operator : SJ/JU
Sample : I4639-04 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-080317-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
unknown6.19	6.19	19.3	ng	512195	1	6.41	532160	20.0
Hexadecane	8.87	7.1	ng	244871	3	9.43	686774	20.0
Pentadecane	9.89	9.9	ng	340477	3	9.43	686774	20.0
Heptadecane	10.36	17.4	ng	456157	4	10.91	524655	20.0
Nonane, 5-butyl-	10.80	11.8	ng	308809	4	10.91	524655	20.0
Eicosane	11.23	10.0	ng	262641	4	10.91	524655	20.0
Hexadecanoic acid...	11.33	100.1	ng	2626730	4	10.91	524655	20.0
Tridecanoic acid	11.48	30.5	ng	799735	4	10.91	524655	20.0
Heneicosane	11.63	10.9	ng	286960	4	10.91	524655	20.0
Methyl 9-cis,11-t...	12.02	191.1	ng	5011780	4	10.91	524655	20.0
16-Octadecenoic a...	12.05	200.9	ng	5269070	4	10.91	524655	20.0
Methyl stearate	12.12	62.6	ng	1642900	4	10.91	524655	20.0
cis-9-Hexadecenoi...	12.19	140.5	ng	3686780	4	10.91	524655	20.0
Methyl 9.cis.,11....	12.70	11.0	ng	325502	5	13.53	590871	20.0
unknown13.26	13.26	10.0	ng	294202	5	13.53	590871	20.0
N,N-Dimethyloctyl...	14.42	20.2	ng	290477	6	14.87	288171	20.0
Docosane	15.26	16.9	ng	242946	6	14.87	288171	20.0
Nonadecane	16.11	10.0	ng	144493	6	14.87	288171	20.0
unknown17.29	17.29	7.1	ng	102447	6	14.87	288171	20.0