LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

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-BF081916.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	1.667	5	7	15	rVB	655220	1505946	4.24%	0.479%
2	1.781	15	17	52	rVB	12720791	35087282	98.77%	11.164%
3	2.204	52	54	58	rVB	306141	412115	1.16%	0.131%
4	4.799	279	281	285	rVB	359273	527006	1.48%	0.168%
5	5.256	318	321	323	rBV	2391868	3087987	8.69%	0.983%
6	5.484	339	341	343	rBV	455437	408680	1.15%	0.130%
7	6.307	411	413	416	rBV	2299345	2078020	5.85%	0.661%
8	6.445	423	425	427	rBV	7146910	6242380	17.57%	1.986%
9	6.685	443	446	448	rBV	3345701	2980975	8.39%	0.948%
10	6.765	451	453	457	rBV	1516663	1588690	4.47%	0.505%
11	6.845	457	460	462	rVV	6890967	8719523	24.55%	2.774%
12	7.096	480	482	486	rVB2	1180745	1265323	3.56%	0.403%
13	7.245	492	495	498	rBV	5252466	6247634	17.59%	1.988%
14	7.348	502	504	507	rBV	1308911	1640173	4.62%	0.522%
15	7.770	528	541	544	rBV	1427864	4537467	12.77%	1.444%
16	7.896	550	552	556	rBV	587554	693448	1.95%	0.221%
17	7.965	556	558	561	rBV	4028158	3839981	10.81%	1.222%
18	8.239	578	582	584	rBV	820680	1035481	2.91%	0.329%
19	8.468	600	602	605	rBV	389530	359406	1.01%	0.114%
20	8.845	631	635	636	rBV2	143579	363200	1.02%	0.116%
21	8.948	641	644	646	rBV2	207860	440288	1.24%	0.140%
22	9.051	650	653	655	rBV	13243166	12851070	36.18%	4.089%
23	9.142	660	661	663	rVV	661223	644778	1.82%	0.205%
24	9.233	665	669	672	rVV2	716411	1710267	4.81%	0.544%
25	9.382	676	682	686	rVV6	539611	3084385	8.68%	0.981%
26	9.439	686	687	690	rVV	869378	1452215	4.09%	0.462%
27	9.485	690	691	695	rVV3	490382	1280917	3.61%	0.408%
28	9.565	695	698	700	rVV2	411525	1069493	3.01%	0.340%
29	9.611	700	702	706	rVV2	335001	708237	1.99%	0.225%
30	9.668	706	707	709	rVB	1020080	891766	2.51%	0.284%
31	9.713	709	711	714	rBV	4682881	4265401	12.01%	1.357%
32	9.793	716	718	720	rVB	620570	829903	2.34%	0.264%
33	9.839	720	722	723	rBV	304174	391077	1.10%	0.124%
34	9.954	728	732	734	rBV	1316758	1709495	4.81%	0.544%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

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-BF081916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.999	734	736	738	rBV2	361998	565840	1.59%	0.180%
36	10.034	738	739	742	rVB2	413167	537007	1.51%	0.171%
37	10.171	746	751	753	rBV	2852053	4037232	11.36%	1.285%
38	10.216	753	755	756	rBV	932186	1343578	3.78%	0.427%
39	10.251	756	758	760	rVB	550975	780230	2.20%	0.248%
40	10.296	760	762	764	rBV2	346535	470449	1.32%	0.150%
41	10.342	764	766	767	rBV	268388	381917	1.08%	0.122%
42	10.388	767	770	771	rBV2	380345	778350	2.19%	0.248%
43	10.502	775	780	782	rBV2	5425088	8893728	25.04%	2.830%
44	10.548	782	784	785	rVV	638065	963113	2.71%	0.306%
45	10.582	785	787	790	rVV3	811630	1873582	5.27%	0.596%
46	10.639	790	792	793	rVV	2126586	1997561	5.62%	0.636%
47	10.696	793	797	800	rVB3	1936796	4329038	12.19%	1.377%
48	10.788	803	805	809	rVB3	222001	557864	1.57%	0.177%
49	10.856	809	811	813	rBV	271168	487498	1.37%	0.155%
50	10.891	813	814	818	rVB2	737316	863852	2.43%	0.275%
51	10.982	821	822	827	rVB2	178059	388134	1.09%	0.123%
52	11.085	827	831	833	rBV3	190217	362107	1.02%	0.115%
53	11.188	837	840	843	rBV	3944653	4444550	12.51%	1.414%
54	11.268	843	847	852	rBV4	689266	2604216	7.33%	0.829%
55	11.348	852	854	855	rBV	323716	510727	1.44%	0.163%
56	11.405	855	859	860	rBV2	1260190	2692089	7.58%	0.857%
57	11.462	863	864	866	rBV	895949	1154780	3.25%	0.367%
58	11.542	869	871	873	rBV	5647314	7457411	20.99%	2.373%
59	11.577	873	874	879	rVB3	1171014	1848424	5.20%	0.588%
60	11.679	879	883	886	rBV2	3090159	8618084	24.26%	2.742%
61	11.725	886	887	888	rVV	2820720	3276582	9.22%	1.043%
62	11.759	888	890	892	rVV	6592742	8836870	24.88%	2.812%
63	11.817	892	895	898	rVB3	1516531	3417928	9.62%	1.088%
64	11.965	906	908	913	rVB2	422704	970616	2.73%	0.309%
65	12.285	933	936	938	rBV2	526353	1122489	3.16%	0.357%
66	12.354	938	942	943	rVV	524812	1250236	3.52%	0.398%
67	12.399	943	946	947	rVV3	537432	1167394	3.29%	0.371%
68	12.479	947	953	956	rVV3	2146964	8020234	22.58%	2.552%
69	12.548	956	959	960	rVV	10277373	14315753	40.30%	4.555%
70	12.582	960	962	964	rVV2	4551713	7511660	21.15%	2.390%
71	12.639	964	967	971	rVV2	1874709	5976446	16.82%	1.902%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

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-BF081916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.719	971	974	977	rVV	1826350	4840640	13.63%	1.540%
73	12.777	977	979	982	rVV	5578151	7890769	22.21%	2.511%
74	13.257	1019	1021	1024	rBV3	297594	759771	2.14%	0.242%
75	13.462	1037	1039	1041	rBV2	345702	814722	2.29%	0.259%
76	13.600	1049	1051	1054	rVB	1014445	1441521	4.06%	0.459%
77	13.680	1056	1058	1061	rVV3	303515	708145	1.99%	0.225%
78	13.737	1061	1063	1067	rVB3	611008	1091572	3.07%	0.347%
79	13.862	1069	1074	1076	rVB2	4055229	6869342	19.34%	2.186%
80	14.228	1102	1106	1107	rBV2	151026	376986	1.06%	0.120%
81	14.320	1111	1114	1116	rBV2	162369	400503	1.13%	0.127%
82	14.423	1117	1123	1124	rBV3	370967	1387934	3.91%	0.442%
83	14.548	1129	1134	1136	rVV3	565969	1569752	4.42%	0.499%
84	14.651	1141	1143	1147	rVB	431571	825625	2.32%	0.263%
85	14.777	1152	1154	1161	rVB4	469252	1336516	3.76%	0.425%
86	15.097	1180	1182	1185	rBV3	186428	428407	1.21%	0.136%
87	15.223	1190	1193	1197	rBV3	526075	1069816	3.01%	0.340%
88	15.303	1197	1200	1202	rBV	2208926	3216569	9.05%	1.023%
89	15.497	1214	1217	1222	rVB	800978	1590900	4.48%	0.506%
90	15.966	1255	1258	1261	rBV	836695	1856547	5.23%	0.591%
91	16.137	1268	1273	1287	rBV2	13076729	35523989	100.00%	11.303%
92	16.343	1288	1291	1296	rVV4	193660	540944	1.52%	0.172%
93	16.663	1315	1319	1324	rVB2	670479	1762932	4.96%	0.561%
94	16.766	1324	1328	1342	rVB3	1037617	3979832	11.20%	1.266%
95	17.154	1358	1362	1369	rBV	1238774	3482950	9.80%	1.108%
96	17.543	1392	1396	1402	rBV	167488	462650	1.30%	0.147%
97	18.720	1495	1499	1515	rVB2	232894	1304223	3.67%	0.415%

Sum of corrected areas: 314291135

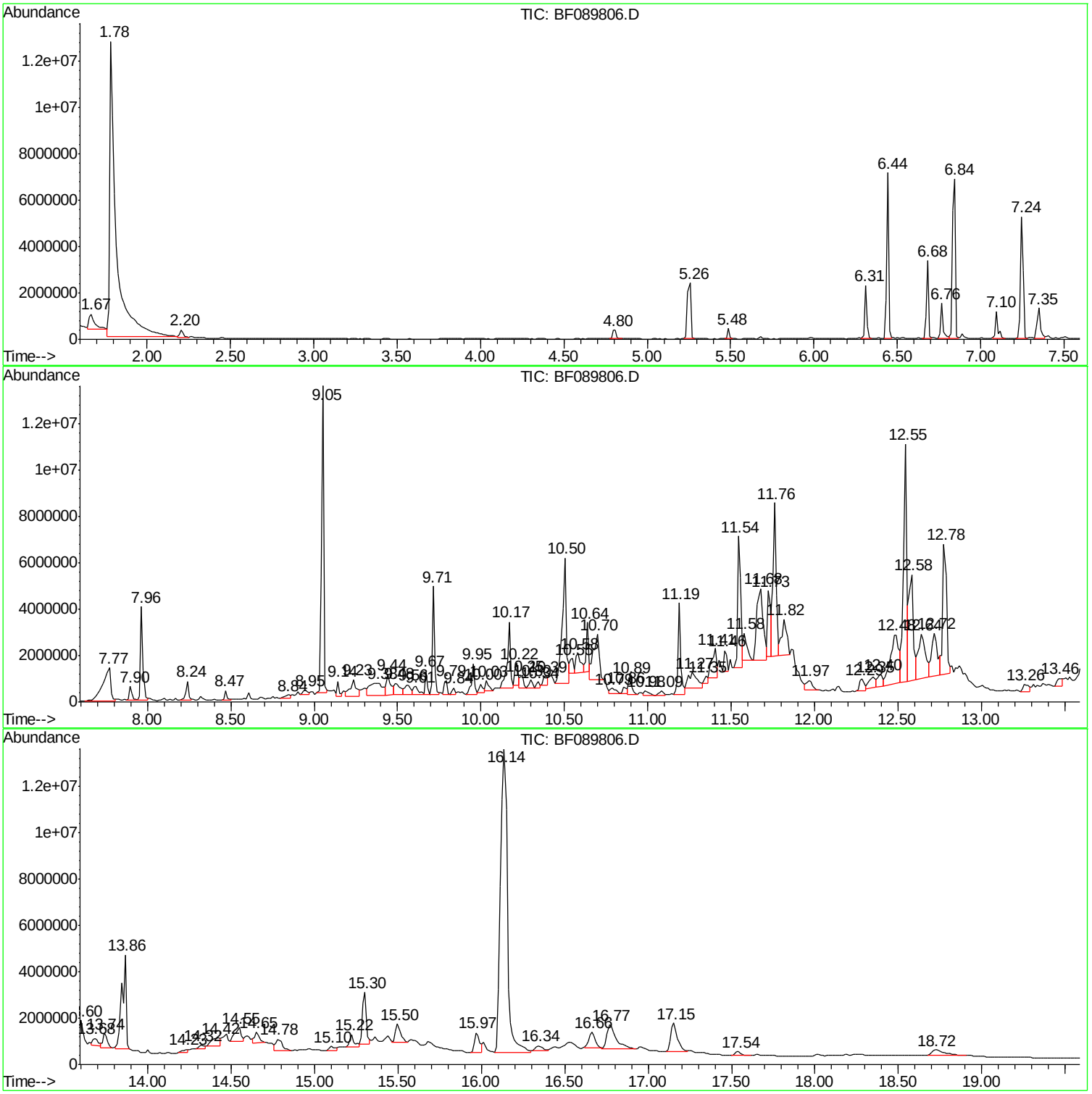
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

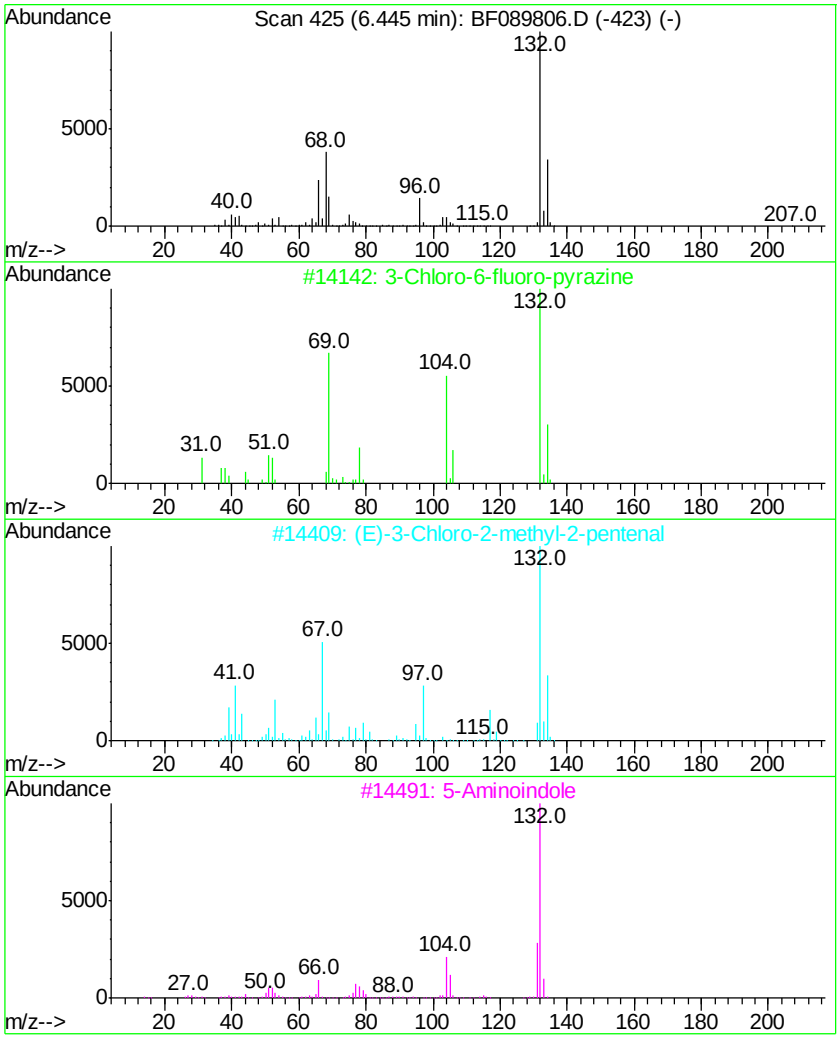
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

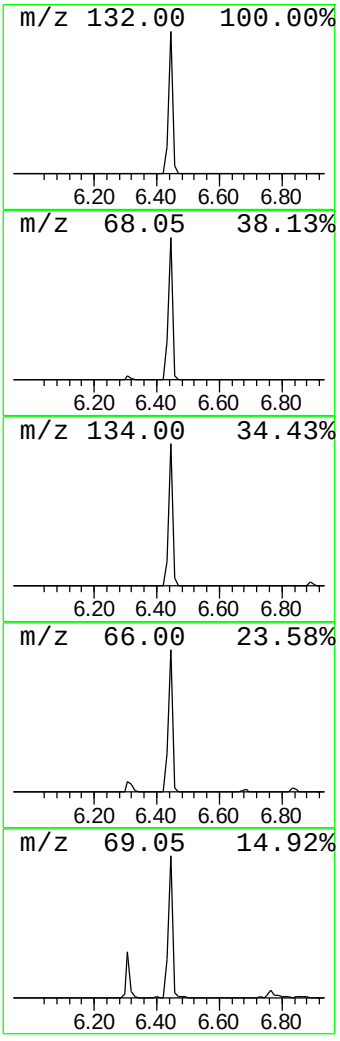
****

Peak Number 2 unknown6.44 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	41.88 ng	6242380	1,4-Dichlorobenzene-d4	6.68

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	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Amphetaminil	250	C17H18N2	017590-01-1	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

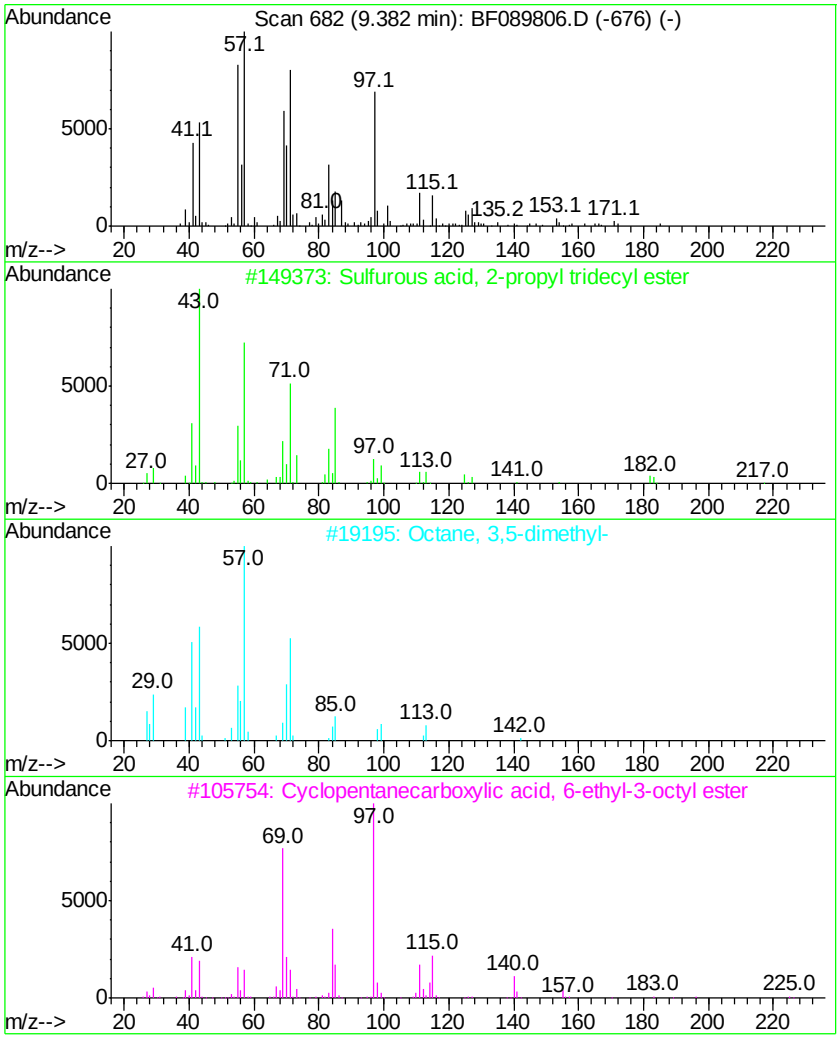
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

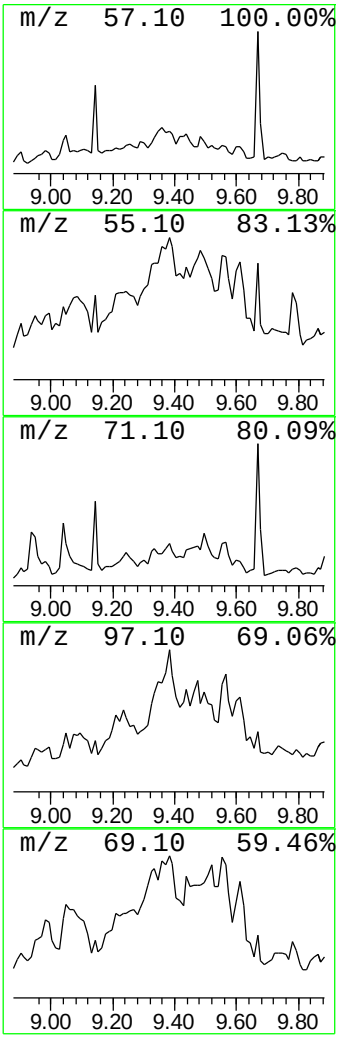
****

Peak Number 4 unknown9.38 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	14.46 ng	3084390	Acenaphthene-d10	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	43
2	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	43
3	Cyclopentanecarboxylic acid, 6-e...	254	C16H30O2	1000282-59-2	38
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	27
5	Oxalic acid, hexyl neopentyl ester	244	C13H24O4	1000309-73-1	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

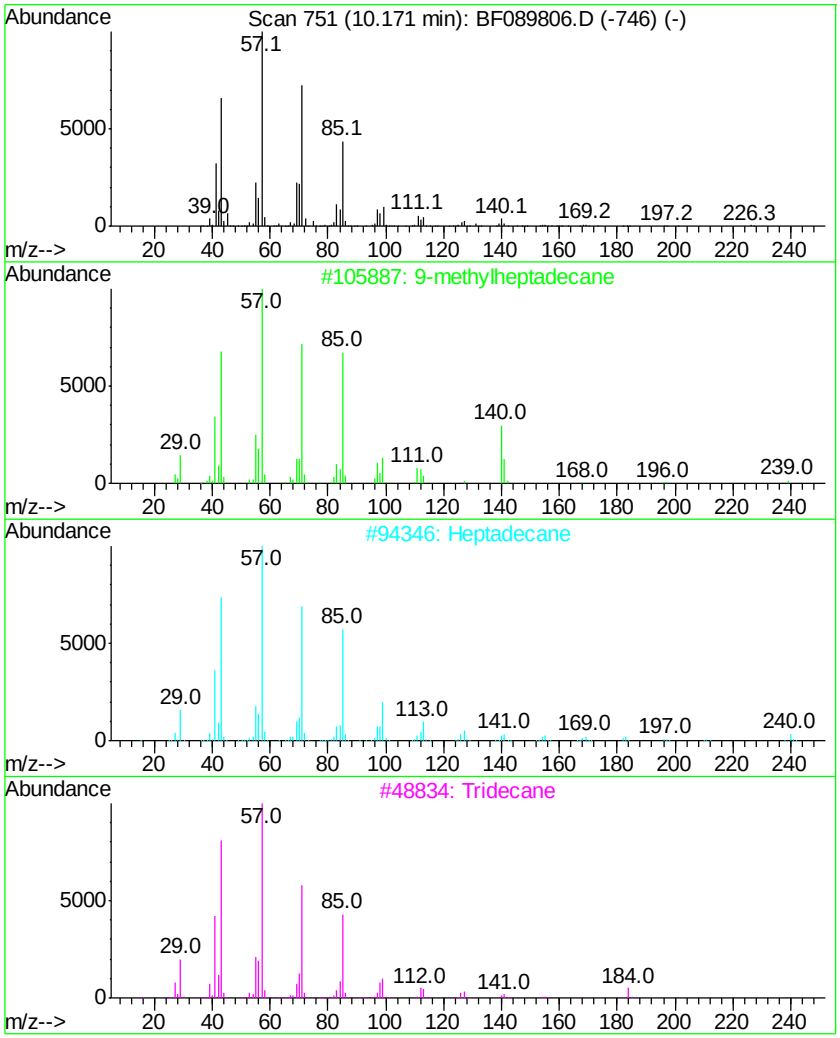
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

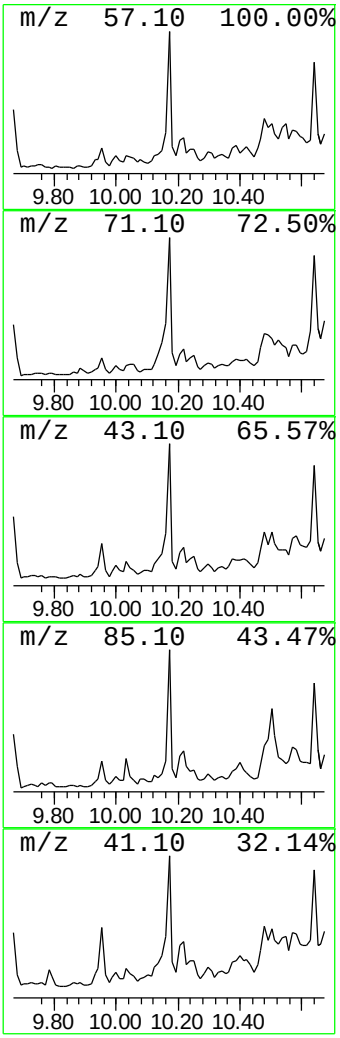
****

Peak Number 5 9-methylheptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	18.93 ng	4037230	Acenaphthene-d10	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-methylheptadecane	254	C18H38	026741-18-4	80
2	Heptadecane	240	C17H36	000629-78-7	72
3	Tridecane	184	C13H28	000629-50-5	72
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	72
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

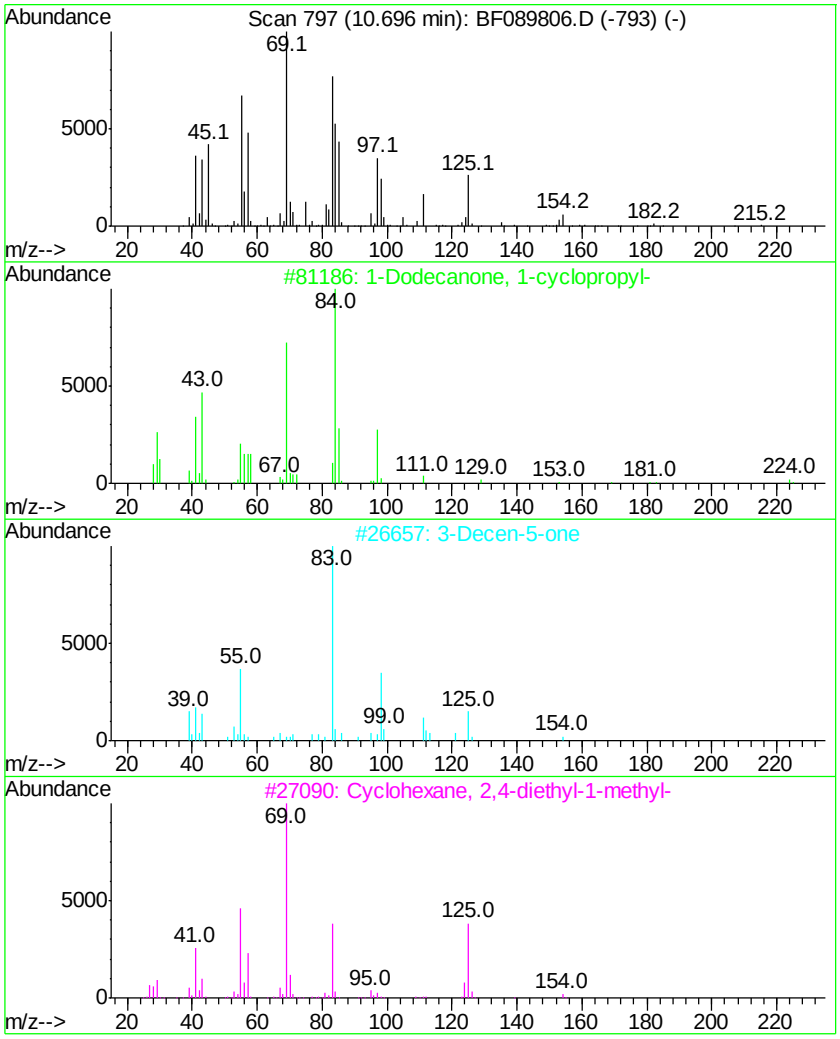
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

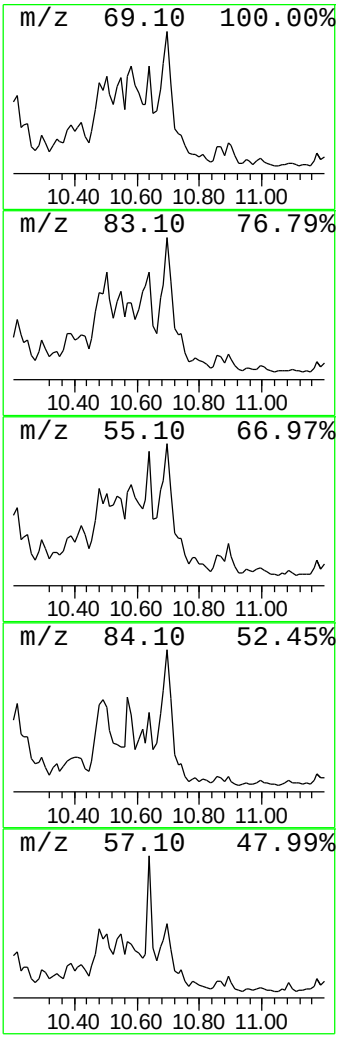
****

Peak Number 6 unknown10.70 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	19.48 ng	4329040	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanone, 1-cyclopropyl-	224	C15H28O	019873-44-0	35
2	3-Decen-5-one	154	C10H18O	032064-73-6	27
3	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	22
4	Cyclopropanecarboxylic acid,4-me...	170	C10H18O2	1000245-65-4	22
5	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	18





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

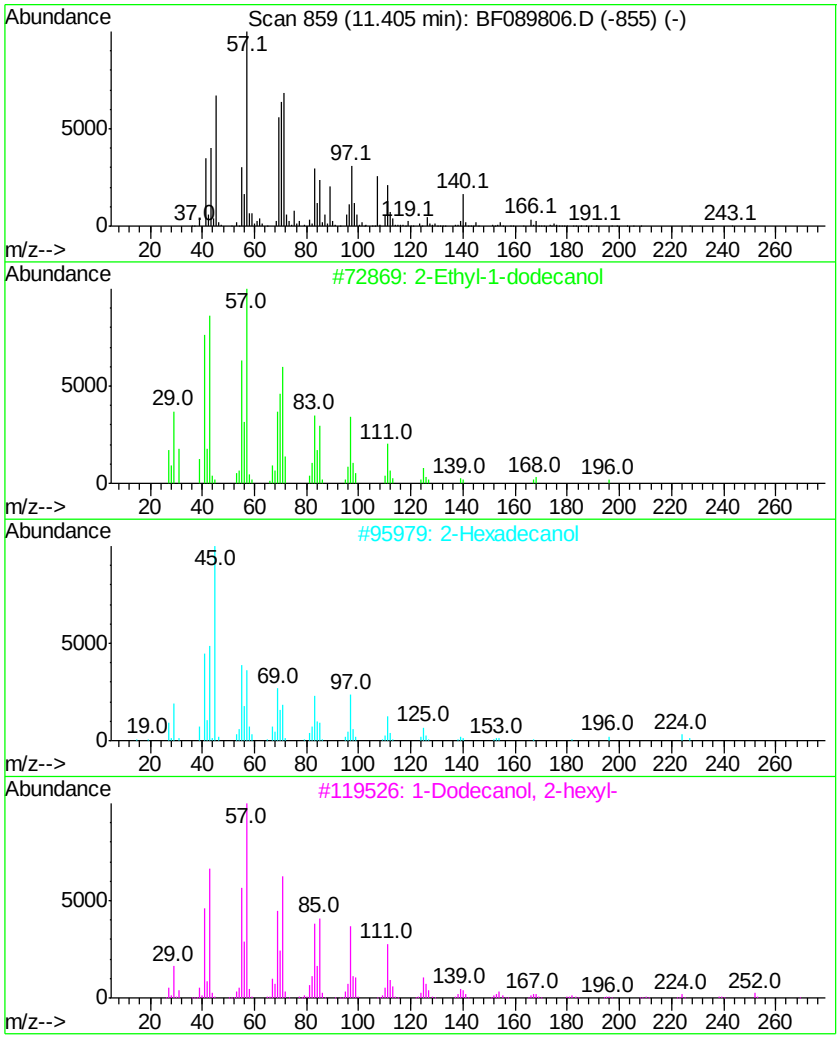
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

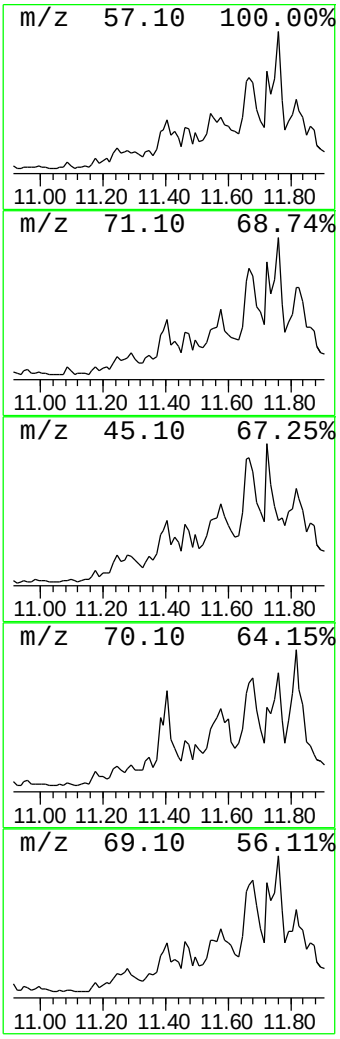
****

Peak Number 7 unknown11.41 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	12.11 ng	2692090	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-1-dodecanol	214	C14H30O	019780-33-7	46
2	2-Hexadecanol	242	C16H34O	014852-31-4	43
3	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	30
4	1-Hentetracontanol	593	C41H84O	040710-42-7	30
5	Methyl pentadecyl ether	242	C16H34O	007307-52-0	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

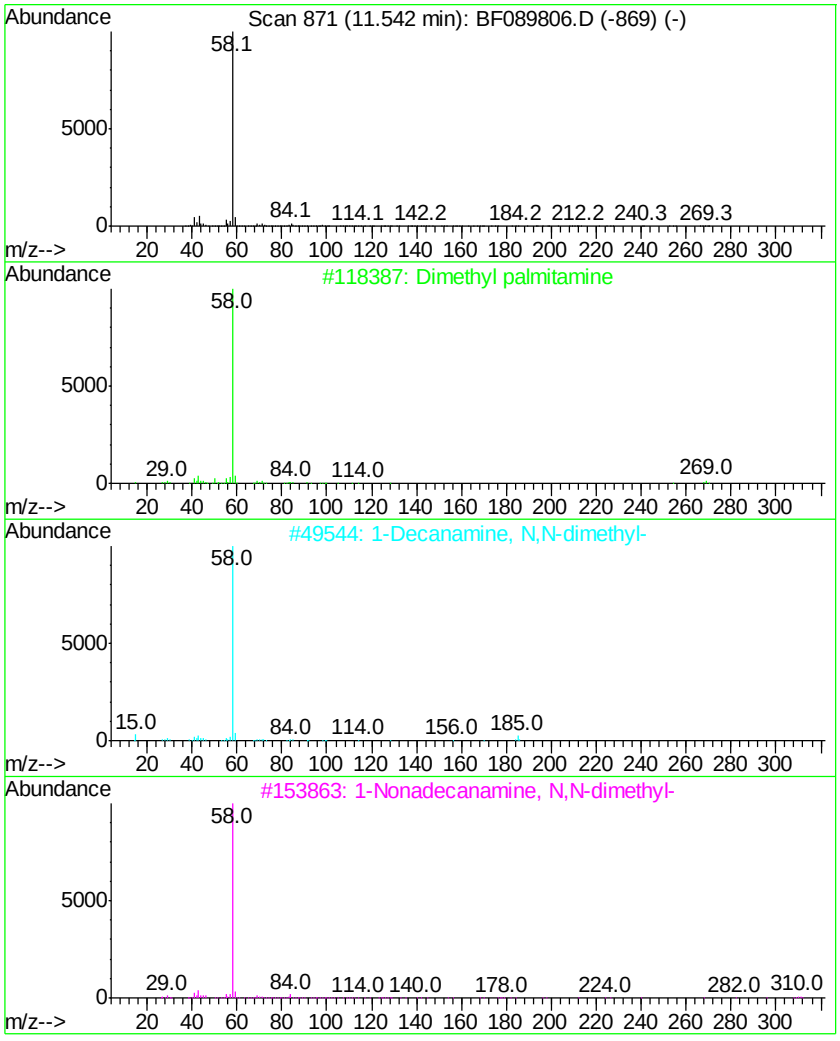
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

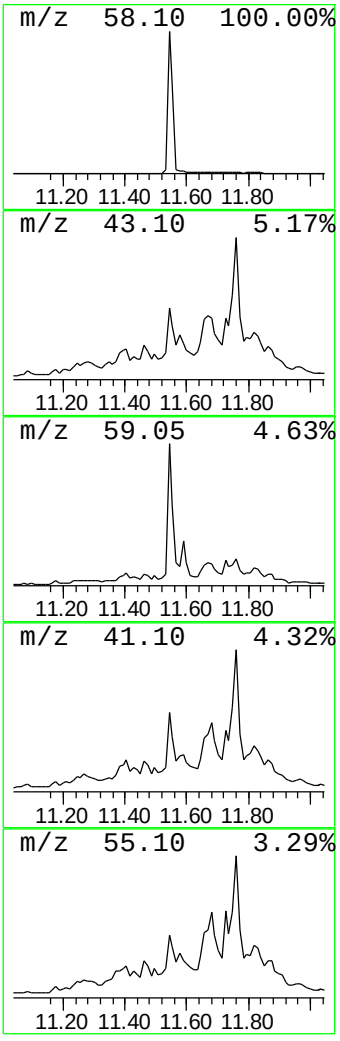
****

Peak Number 8 Dimethyl palmitamine Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	33.56 ng	7457410	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl palmitamine	269	C18H39N	000112-69-6	90
2	1-Decanamine, N,N-dimethyl-	185	C12H27N	001120-24-7	78
3	1-Nonadecanamine, N,N-dimethyl-	311	C21H45N	049859-87-2	72
4	1-Undecanamine, N,N-dimethyl-	199	C13H29N	017373-28-3	72
5	1-Decanaminium, N,N,N-trimethyl-...	235	C13H30ClN	010108-87-9	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

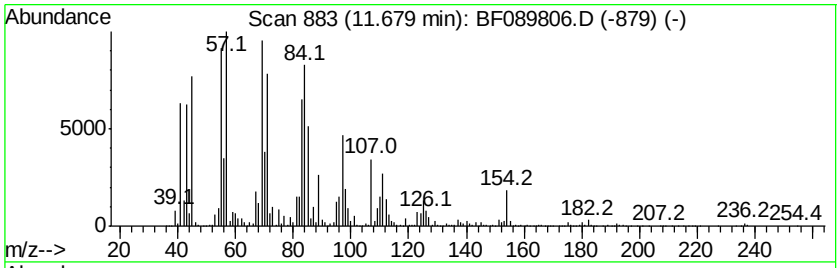
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

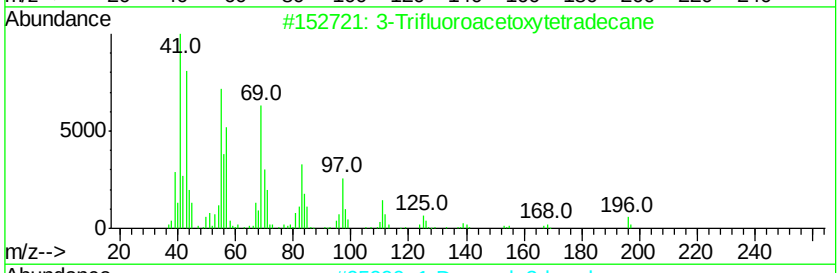
****

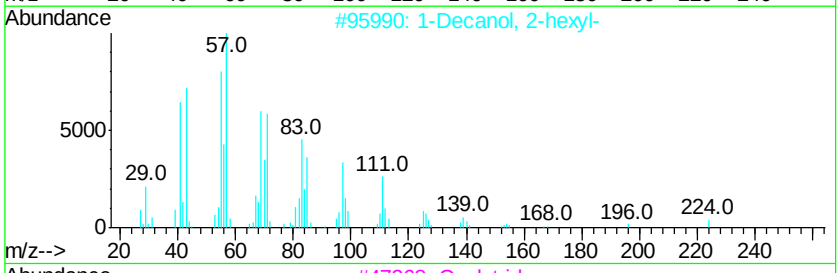
Peak Number 9 unknown11.68 Concentration Rank 7

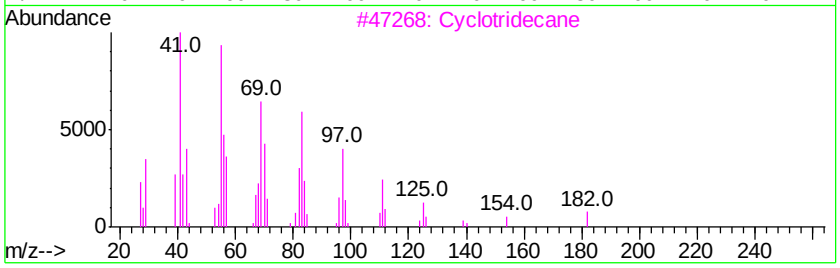
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	38.78 ng	8618080	Phenanthrene-d10	11.19

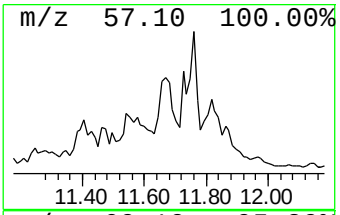
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Trifluoroacetoxytetradecane	310	C16H29F3O2	1000245-47-5	42
2	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	41
3	Cyclotridecane	182	C13H26	000295-02-3	41
4	2-Heptafluorobutyroxypentadecane	424	C19H31F7O2	1000245-50-0	41
5	1-Hexadecanol	242	C16H34O	036653-82-4	38

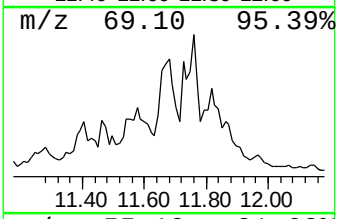


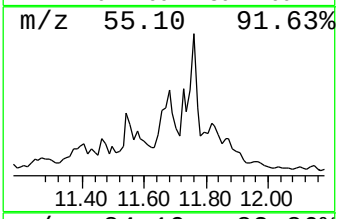


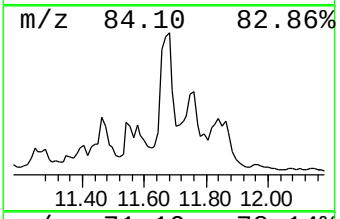


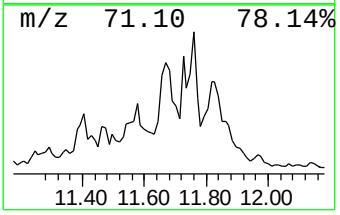












Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

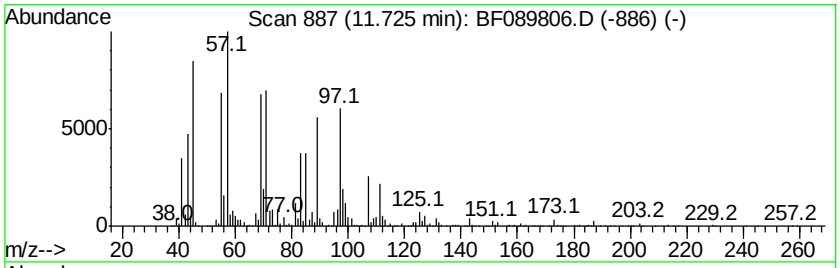
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

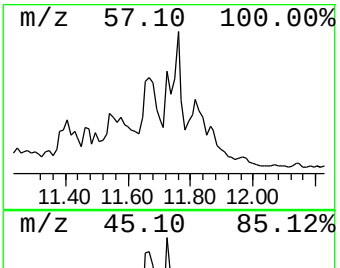
****

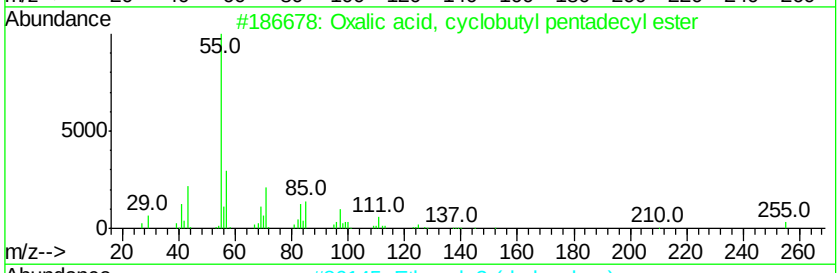
Peak Number 10 unknown11.73 Concentration Rank 17

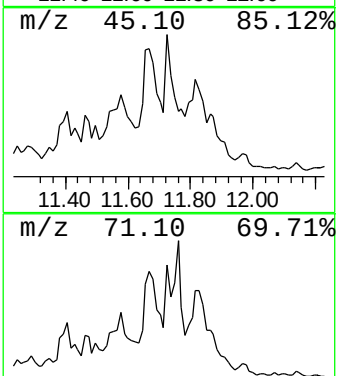
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	14.74 ng	3276580	Phenanthrene-d10	11.19

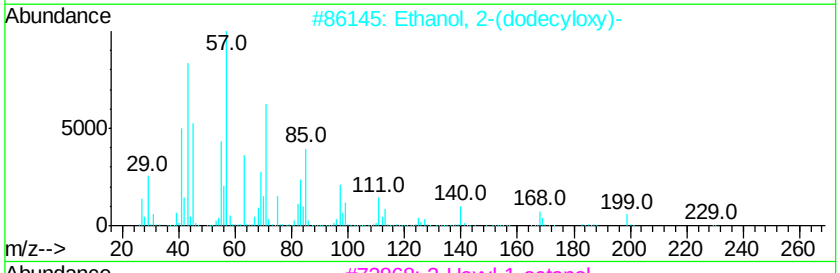
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1000309-70-5	38
2	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	35
3	2-Hexyl-1-octanol	214	C14H30O	019780-79-1	35
4	Oxalic acid, cyclobutyl hexadecy...	368	C22H40O4	1000309-70-6	27
5	2-Heptadecanol	256	C17H36O	016813-18-6	27

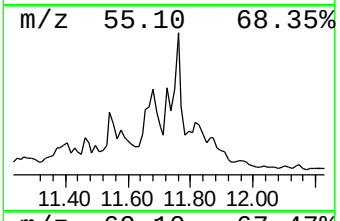


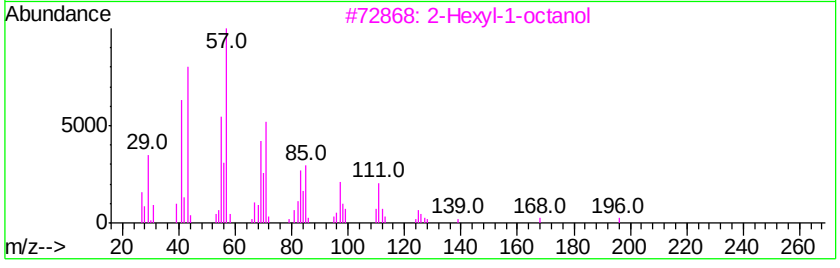


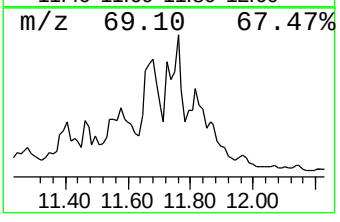












Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

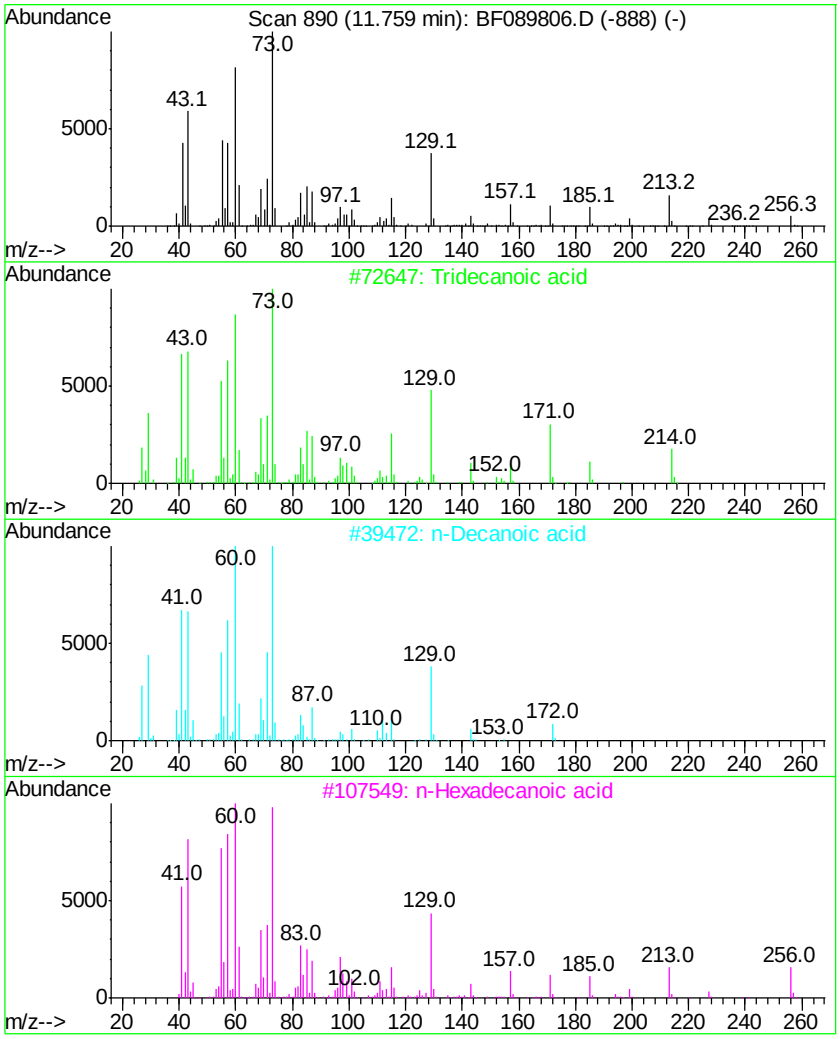
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

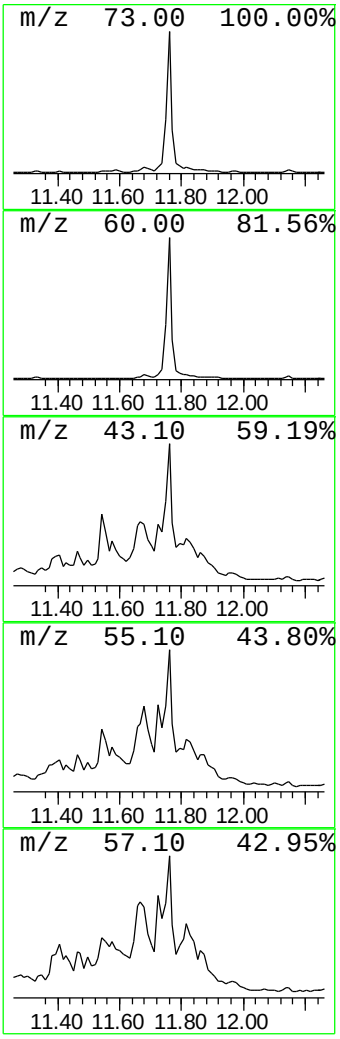
****

Peak Number 11 Tridecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	39.77 ng	8836870	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	95
2	n-Decanoic acid	172	C10H20O2	000334-48-5	70
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
4	Nonanoic acid	158	C9H18O2	000112-05-0	53
5	1-(p-Toluidino)-1-deoxy-.beta.-d...	269	C13H19NO5	1000226-06-4	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

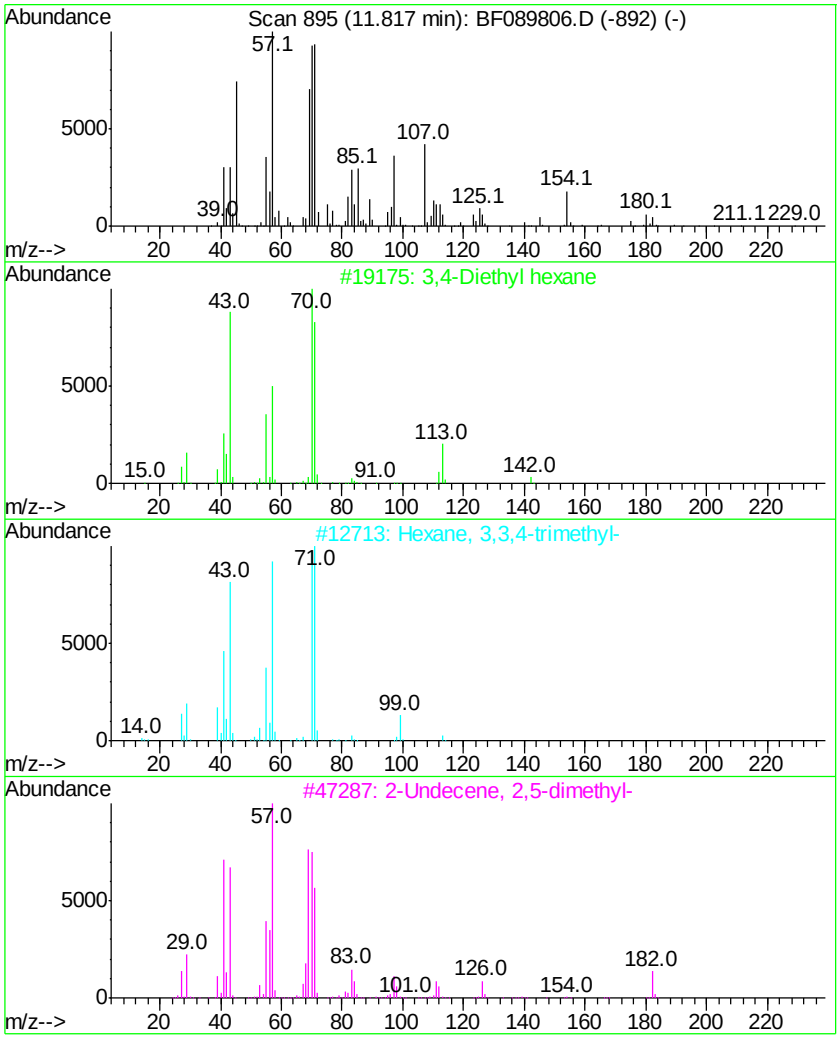
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

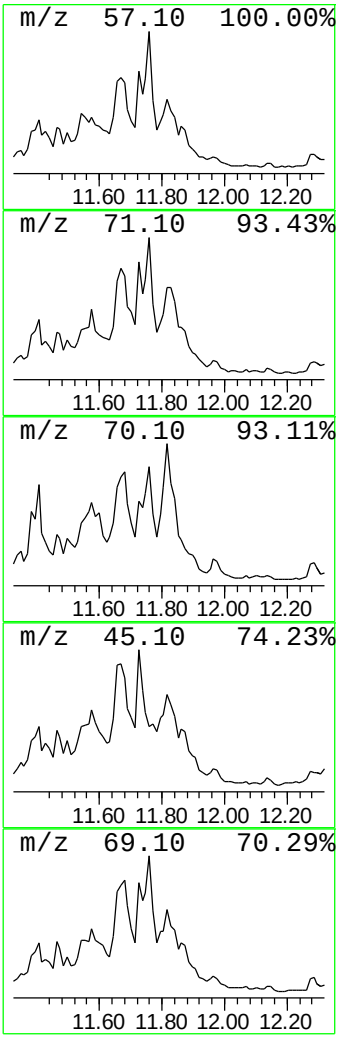
****

Peak Number 12 unknown11.82 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	15.38 ng	3417930	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Diethyl hexane	142	C10H22	019398-77-7	38
2	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	35
3	2-Undecene, 2,5-dimethyl-	182	C13H26	049622-16-4	30
4	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	22
5	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

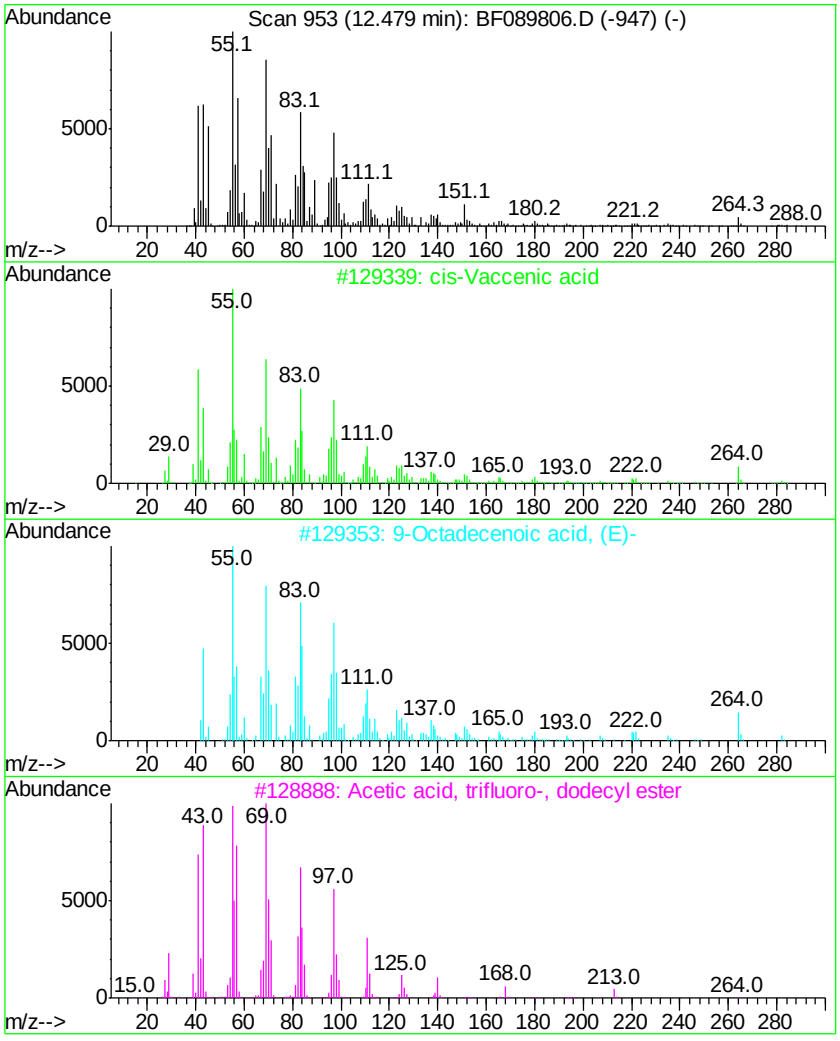
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

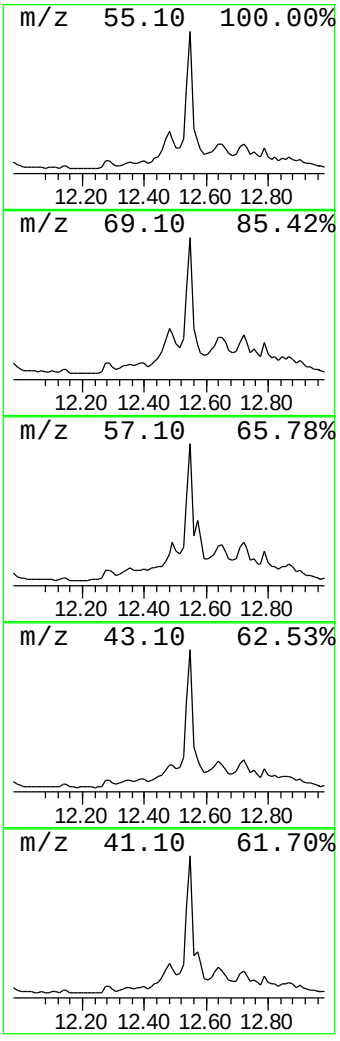
****

Peak Number 13 cis-Vaccenic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	36.09 ng	8020230	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Vaccenic acid	282	C18H34O2	000506-17-2	97
2	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	84
3	Acetic acid, trifluoro-, dodecyl...	282	C14H25F3O2	006222-00-0	76
4	6-Octadecenoic acid	282	C18H34O2	1000336-66-8	70
5	9-Octadecene, (E)-	252	C18H36	007206-25-9	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

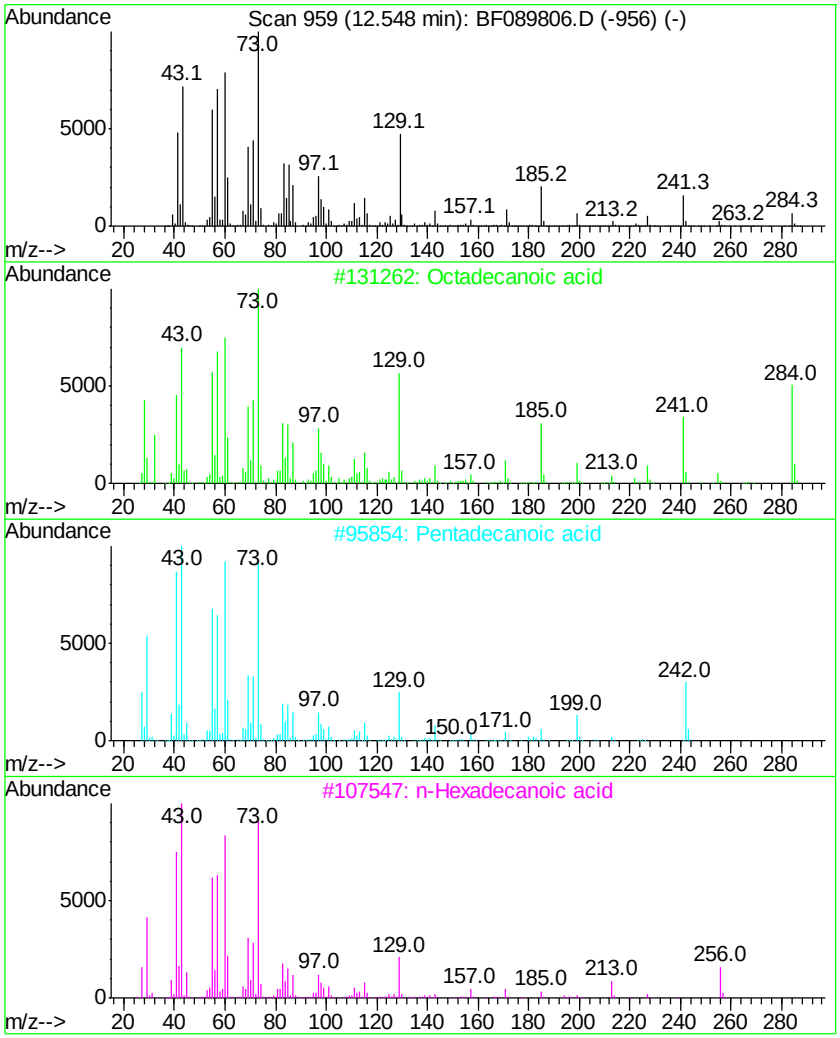
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

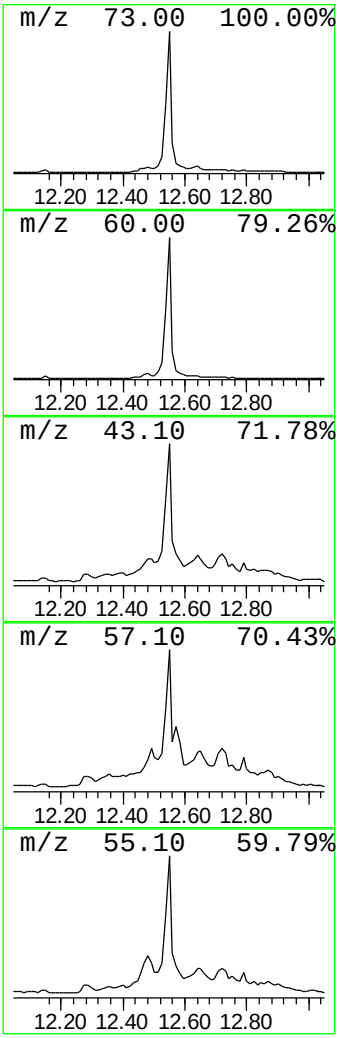
****

Peak Number 14 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	41.68 ng	14315800	Chrysene-d12	13.84

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-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	87
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

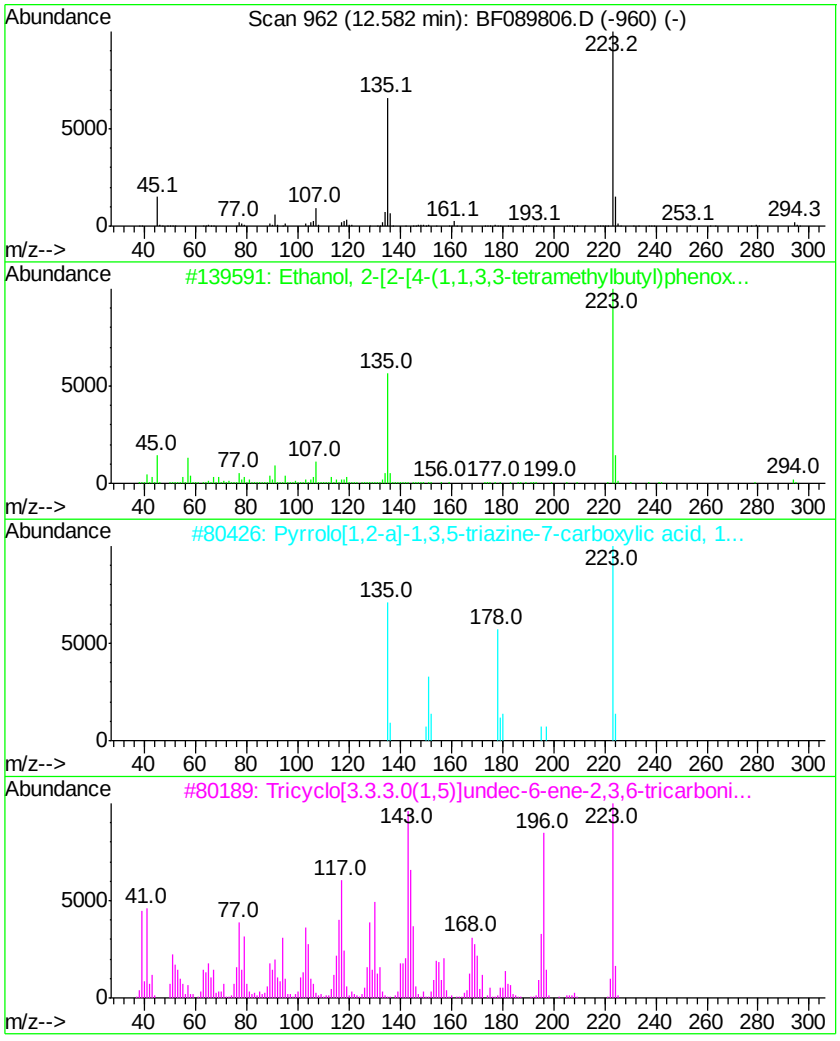
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

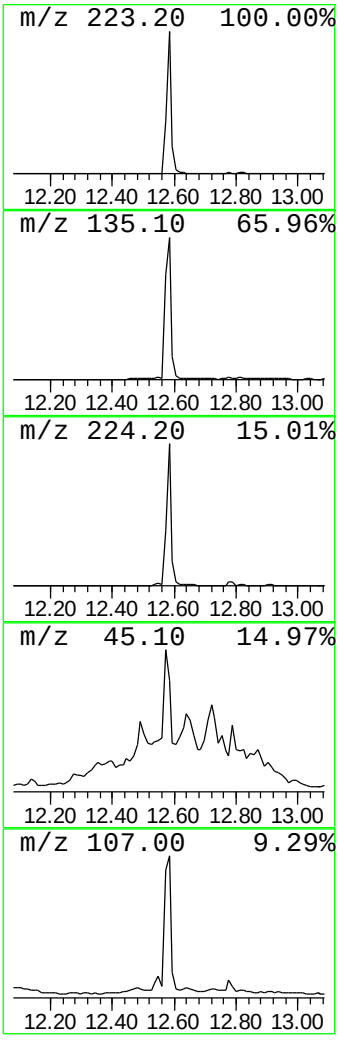
****

Peak Number 15 Ethanol, 2-[2-[4-(1,1,3,3-t... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	21.87 ng	7511660	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-[4-(1,1,3,3-tetram...	294	C18H30O3	002315-61-9	94
2	Pyrrolo[1,2-a]-1,3,5-triazine-7-...	223	C9H9N3O4	054449-89-7	90
3	Tricyclo[3.3.3.0(1,5)]undec-6-en...	223	C14H13N3	118894-71-6	45
4	Ethyl 3-[3-amino-5-methoxyphenyl...	223	C12H17NO3	1000213-27-3	43
5	2,9-Dioxabicyclo[3.3.1]non-7-ene...	436	C23H32O8	1000196-04-6	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

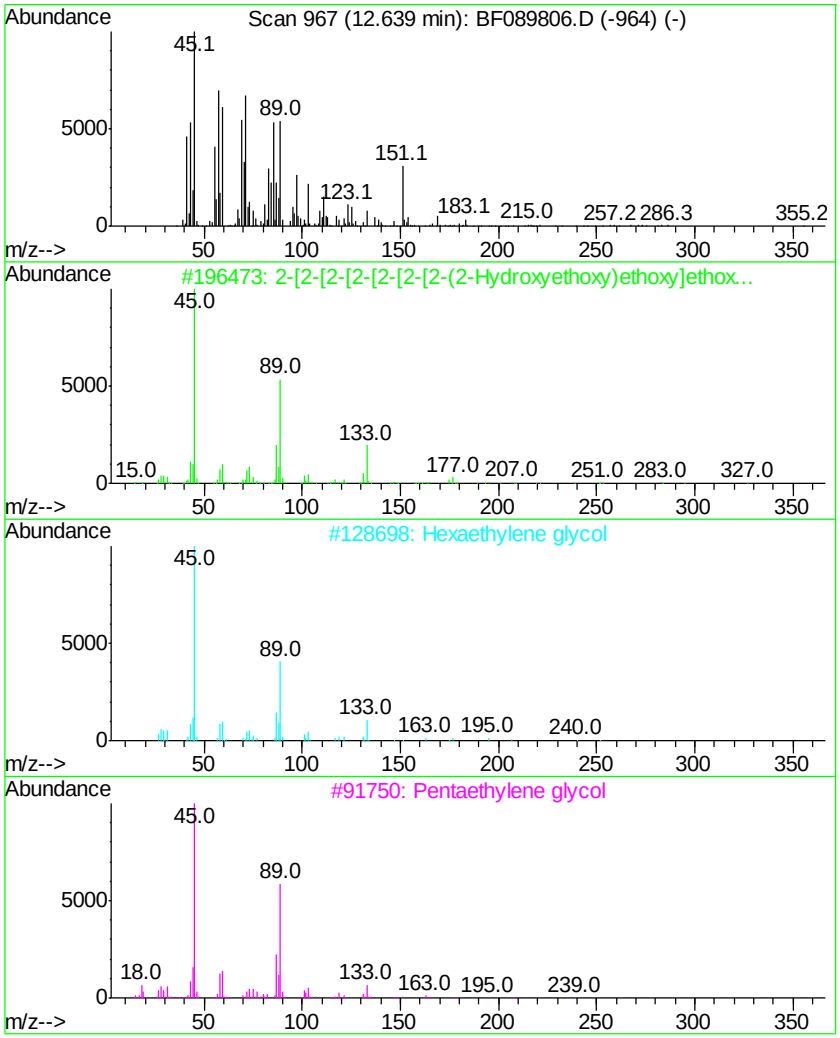
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

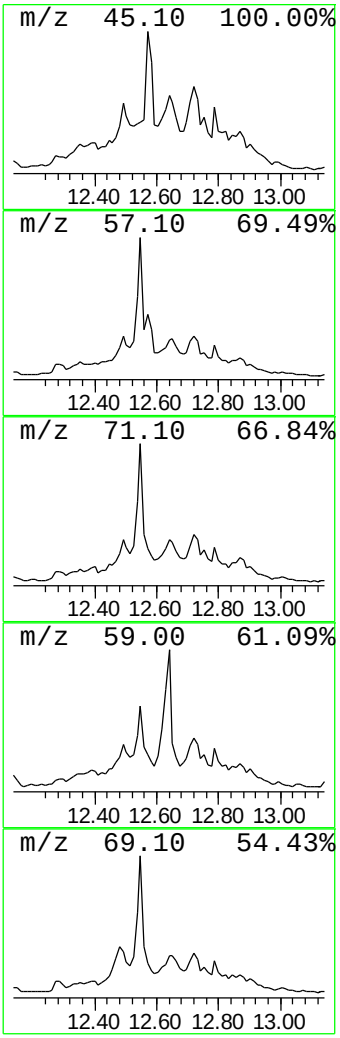
****

Peak Number 16 unknown12.64 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	17.40 ng	5976450	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-[2-[2-[2-[2-(2-Hydroxyet...	370	C16H34O9	005117-19-1	35
2	Hexaethylene glycol	282	C12H26O7	002615-15-8	35
3	Pentaethylene glycol	238	C10H22O6	004792-15-8	35
4	2-[2-[2-[2-[2-[2-[2-(2-Hydrox...	414	C18H38O10	1000352-12-5	35
5	2-[2-[2-[2-[2-[2-[2-[2-(2-Hyd...	458	C20H42O11	1000352-12-6	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

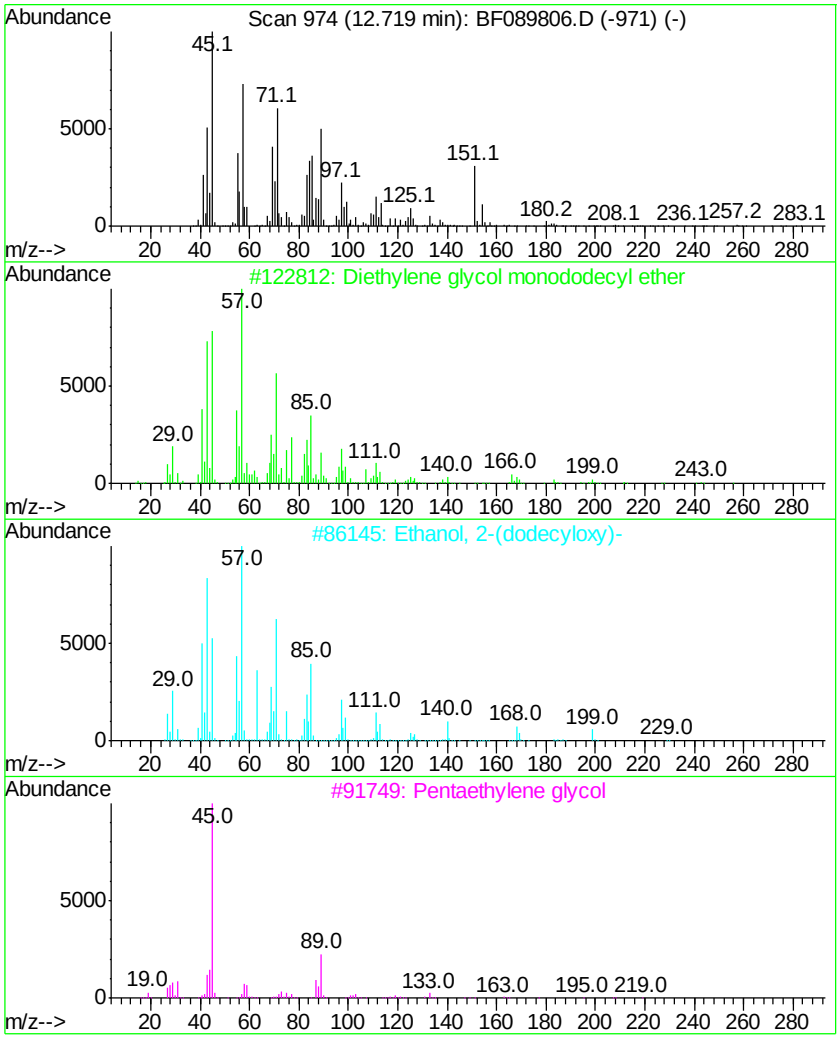
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

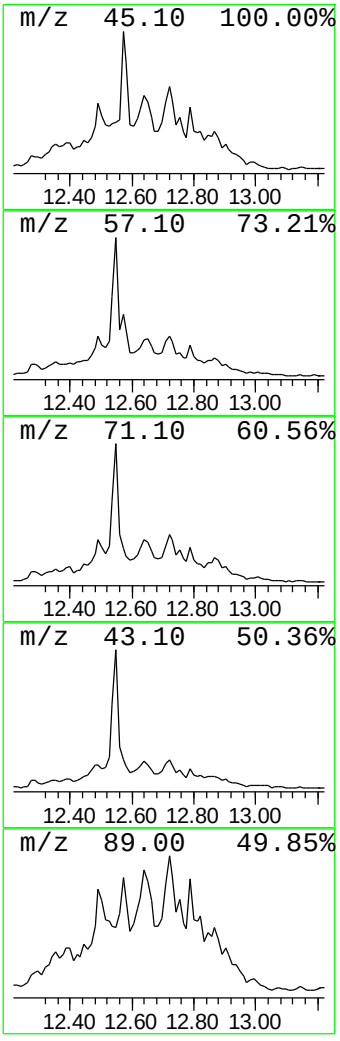
****

Peak Number 17 Diethylene glycol monododec... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	14.09 ng	4840640	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethylene glycol monododecyl ether	274	C16H34O3	003055-93-4	53
2	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	38
3	Pentaethylene glycol	238	C10H22O6	004792-15-8	38
4	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	35
5	Hexaethylene glycol	282	C12H26O7	002615-15-8	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

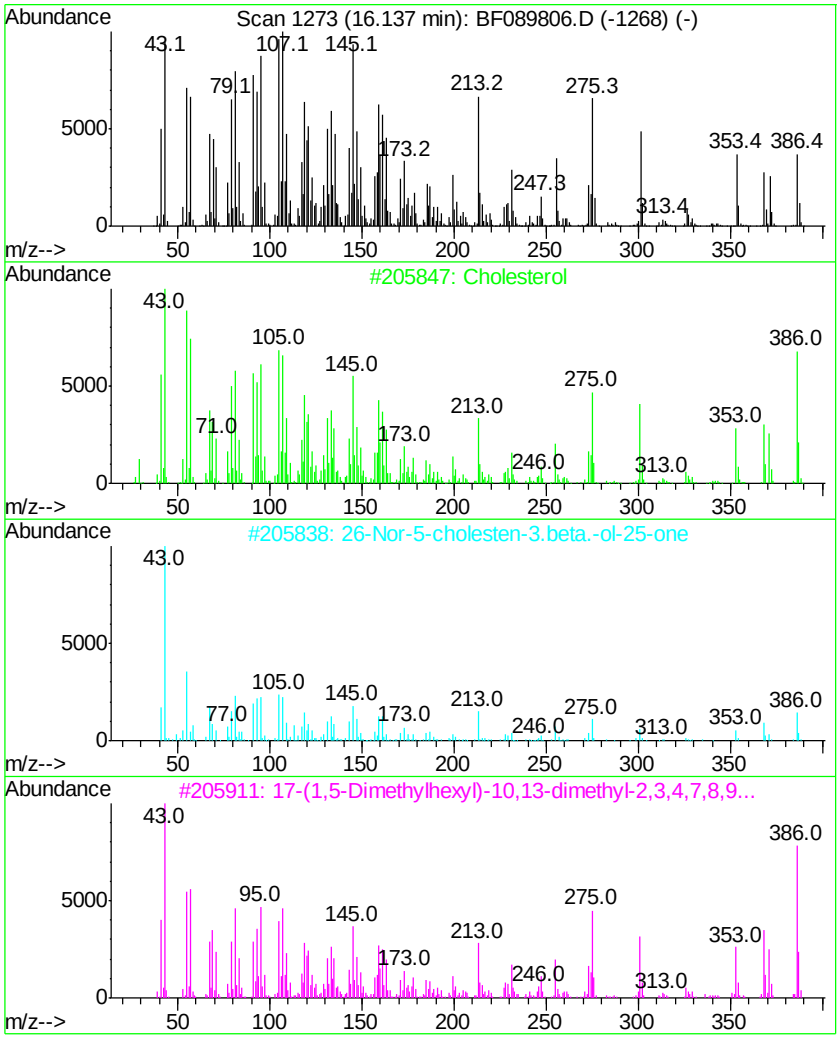
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

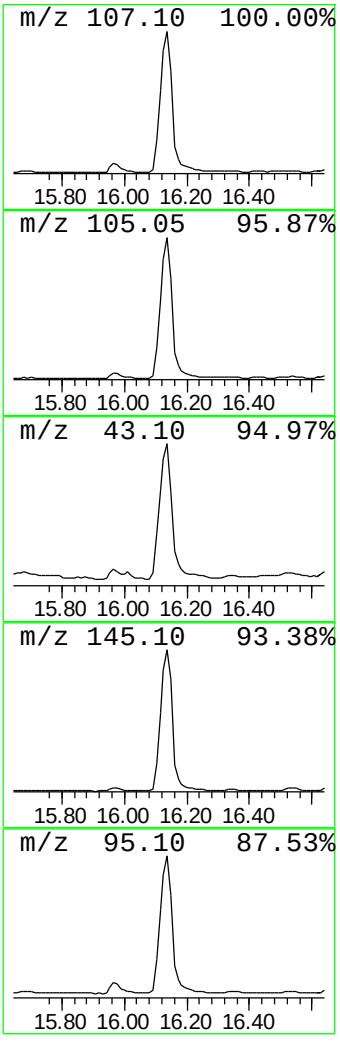
****

Peak Number 18 Cholesterol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	220.88 ng	35524000	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholesterol	386	C27H46O	000057-88-5	99
2	26-Nor-5-cholesten-3.beta.-ol-25...	386	C26H42O2	007494-34-0	99
3	17-(1,5-Dimethylhexyl)-10,13-dim...	386	C27H46O	1000210-38-4	76
4	Cholestane-3,5-diol, 5-acetate, ...	446	C29H50O3	041721-93-1	64
5	Cholesta-3,5-diene	368	C27H44	000747-90-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

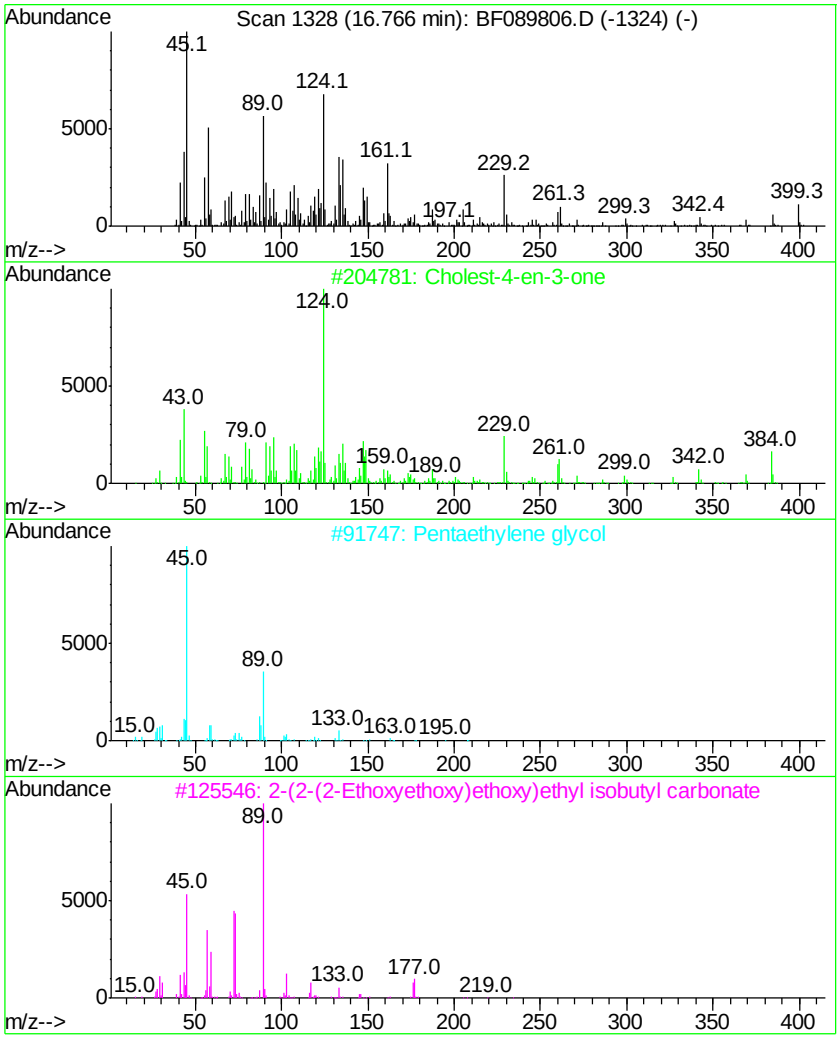
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

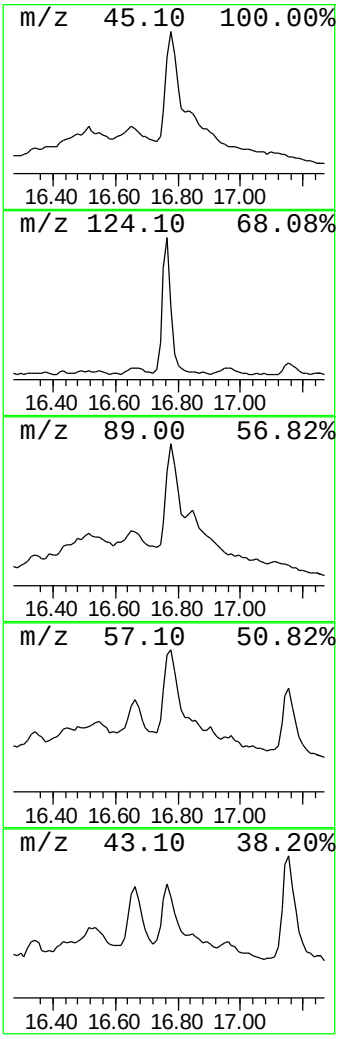
****

Peak Number 19 Cholest-4-en-3-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	24.75 ng	3979830	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholest-4-en-3-one	384	C27H44O	000601-57-0	93
2	Pentaethylene glycol	238	C10H22O6	004792-15-8	27
3	2-(2-(2-Ethoxyethoxy)ethoxy)ethy...	278	C13H26O6	1000378-28-7	27
4	15-Crown-5, [2-(diethylboryl)phe...	364	C20H33BO5	1000162-41-9	27
5	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

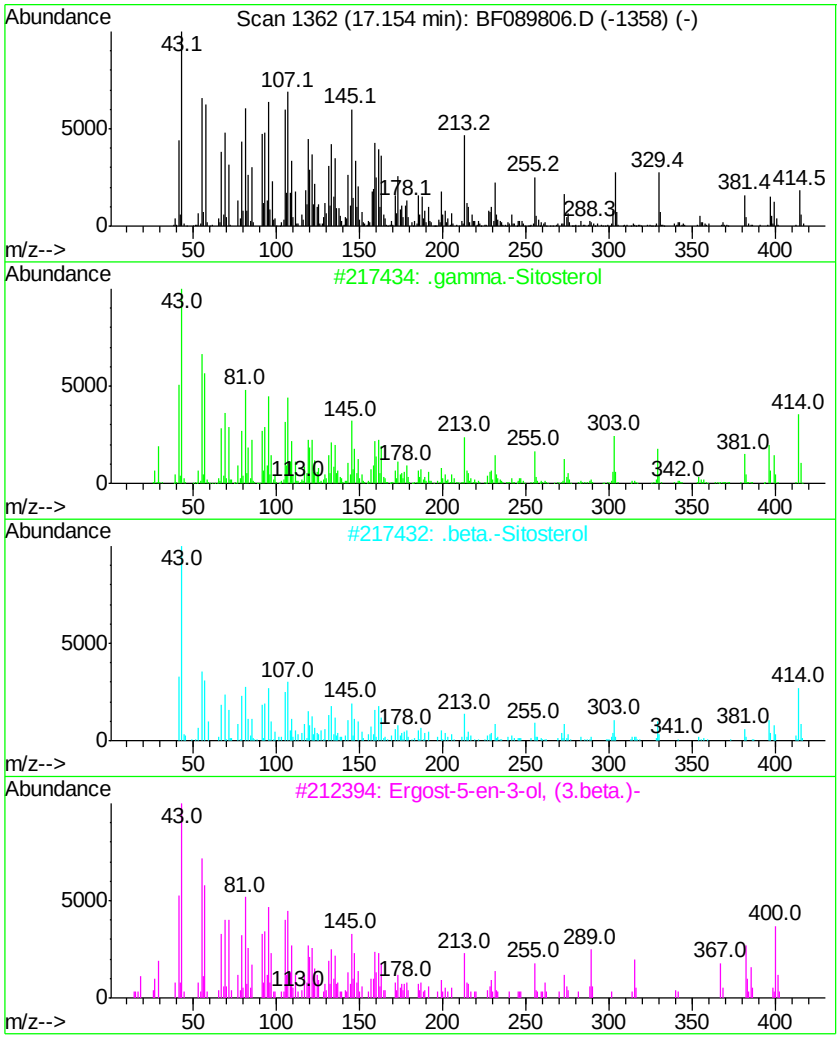
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

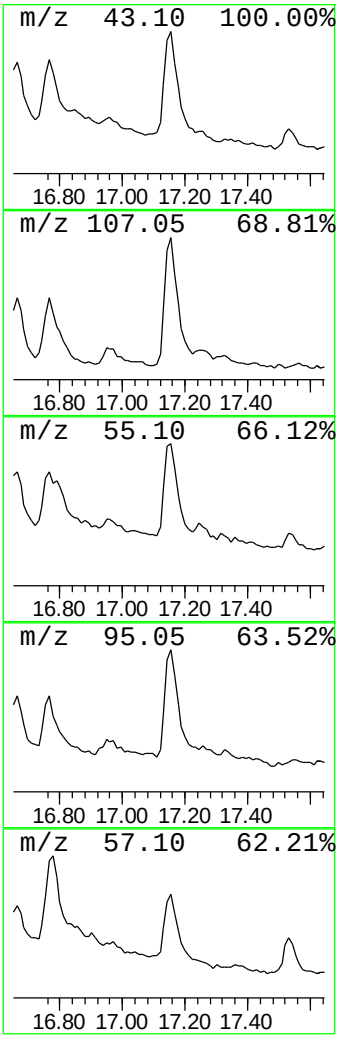
****

Peak Number 20 .gamma.-Sitosterol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	21.66 ng	3482950	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	90
3	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	68
4	Kauren-18-ol, acetate, (4.beta.)-	330	C22H34O2	072150-74-4	47
5	Ergost-7-en-3-ol, (3.beta.)-	400	C28H48O	026047-31-4	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081916\
Data File : BF089806.D
Acq On : 19 Aug 2016 20:00
Operator : UM/SJ
Sample : H4507-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.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
unknown6.44	6.44	41.9	ng	6242380	1	6.68	2980980	20.0
unknown9.38	9.38	14.5	ng	3084390	3	9.71	4265400	20.0
9-methylheptadecane	10.17	18.9	ng	4037230	3	9.71	4265400	20.0
unknown10.70	10.70	19.5	ng	4329040	4	11.19	4444550	20.0
unknown11.41	11.41	12.1	ng	2692090	4	11.19	4444550	20.0
Dimethyl palmitamine	11.54	33.6	ng	7457410	4	11.19	4444550	20.0
unknown11.68	11.68	38.8	ng	8618080	4	11.19	4444550	20.0
unknown11.73	11.73	14.7	ng	3276580	4	11.19	4444550	20.0
Tridecanoic acid	11.76	39.8	ng	8836870	4	11.19	4444550	20.0
unknown11.82	11.82	15.4	ng	3417930	4	11.19	4444550	20.0
cis-Vaccenic acid	12.48	36.1	ng	8020230	4	11.19	4444550	20.0
Octadecanoic acid	12.55	41.7	ng	14315800	5	13.84	6869340	20.0
Ethanol, 2-[2-[4-...	12.58	21.9	ng	7511660	5	13.84	6869340	20.0
unknown12.64	12.64	17.4	ng	5976450	5	13.84	6869340	20.0
Diethylene glycol...	12.72	14.1	ng	4840640	5	13.84	6869340	20.0
Cholesterol	16.14	220.9	ng	35524000	6	15.30	3216570	20.0
Cholest-4-en-3-one	16.77	24.8	ng	3979830	6	15.30	3216570	20.0
.gamma.-Sitosterol	17.15	21.7	ng	3482950	6	15.30	3216570	20.0