LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

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-BF081715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.641	238	241	253	rVB	651852	1112006	62.47%	3.411%
2	5.110	279	282	284	rBV	1526955	1628287	91.47%	4.995%
3	5.796	339	342	344	rBV	45331	45194	2.54%	0.139%
4	6.139	370	372	374	rBV	46342	45056	2.53%	0.138%
5	6.196	374	377	379	rVV	1373345	1780097	100.00%	5.461%
6	6.230	379	380	384	rVV2	94900	121409	6.82%	0.372%
7	6.310	384	387	389	rVV	1425552	1633878	91.79%	5.012%
8	6.539	405	407	409	rBV	564110	458323	25.75%	1.406%
9	6.699	419	421	423	rVB	1218228	1175565	66.04%	3.606%
10	7.110	454	457	459	rBV	1146169	1044287	58.66%	3.203%
11	7.144	459	460	463	rVV	36836	33154	1.86%	0.102%
12	7.236	463	468	472	rVB	19316	33744	1.90%	0.104%
13	7.533	490	494	496	rBV2	19726	44793	2.52%	0.137%
14	7.579	496	498	500	rVV	223995	212475	11.94%	0.652%
15	7.830	518	520	522	rVV	481682	561845	31.56%	1.723%
16	8.413	569	571	572	rBV	41899	40321	2.27%	0.124%
17	8.905	612	614	616	rBV	1560917	1294047	72.70%	3.970%
18	8.973	616	620	623	rVV2	34043	52292	2.94%	0.160%
19	9.019	623	624	629	rVB4	43798	66381	3.73%	0.204%
20	9.236	639	643	645	rBV3	39220	52883	2.97%	0.162%
21	9.305	645	649	651	rVV	510077	462075	25.96%	1.417%
22	9.430	658	660	661	rVV	46508	67121	3.77%	0.206%
23	9.488	663	665	667	rVV2	178217	202239	11.36%	0.620%
24	9.568	670	672	674	rVV	698059	655090	36.80%	2.010%
25	9.602	674	675	677	rVV	295005	252322	14.17%	0.774%
26	9.705	681	684	685	rBV2	39171	59203	3.33%	0.182%
27	9.739	685	687	688	rVV	165646	222616	12.51%	0.683%
28	9.773	688	690	691	rVV	40658	51788	2.91%	0.159%
29	9.853	695	697	699	rVB	53170	61161	3.44%	0.188%
30	10.025	710	712	714	rBV	47088	44820	2.52%	0.137%
31	10.105	716	719	723	rBV	103359	147132	8.27%	0.451%
32	10.265	732	733	738	rBV5	18361	40791	2.29%	0.125%
33	10.345	738	740	743	rBV2	664131	830013	46.63%	2.546%
34	10.390	743	744	745	rBV	27425	32907	1.85%	0.101%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

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-BF081715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.493	750	753	757	rVB2	59284	126296	7.09%	0.387%
36	10.722	772	773	776	rVB3	36342	59956	3.37%	0.184%
37	10.859	782	785	787	rBV2	50617	106476	5.98%	0.327%
38	10.939	790	792	793	rBV	122940	128355	7.21%	0.394%
39	11.042	798	801	802	rBV	486461	797472	44.80%	2.446%
40	11.065	802	803	804	rVV	1064926	750408	42.16%	2.302%
41	11.111	804	807	809	rVB	236447	243568	13.68%	0.747%
42	11.271	820	821	824	rVB	138036	160695	9.03%	0.493%
43	11.533	842	844	845	rBV	71121	71152	4.00%	0.218%
44	11.568	845	847	848	rVB	83761	90204	5.07%	0.277%
45	11.602	848	850	852	rBV2	173404	207568	11.66%	0.637%
46	11.648	852	854	858	rVB2	118540	199927	11.23%	0.613%
47	11.739	858	862	863	rBV4	24957	48107	2.70%	0.148%
48	11.762	863	864	868	rVV4	38195	74863	4.21%	0.230%
49	11.853	868	872	874	rVB2	111123	164566	9.24%	0.505%
50	11.979	881	883	885	rBV2	40287	48612	2.73%	0.149%
51	12.082	890	892	893	rBV	39634	36250	2.04%	0.111%
52	12.242	903	906	908	rBV	907173	905935	50.89%	2.779%
53	12.288	908	910	913	rVV2	138432	156988	8.82%	0.482%
54	12.379	916	918	922	rBV	55140	89116	5.01%	0.273%
55	12.459	922	925	928	rBV2	639364	749698	42.12%	2.300%
56	12.516	928	930	934	rVB2	46961	77586	4.36%	0.238%
57	12.585	934	936	937	rBV	55909	54707	3.07%	0.168%
58	12.619	937	939	941	rVB	764181	688353	38.67%	2.112%
59	12.688	941	945	946	rVB2	33184	42113	2.37%	0.129%
60	12.791	950	954	956	rVB	85887	104579	5.87%	0.321%
61	12.871	958	961	964	rBV3	94309	231541	13.01%	0.710%
62	12.985	969	971	972	rBV	35500	35531	2.00%	0.109%
63	13.168	985	987	988	rBV	26370	38959	2.19%	0.120%
64	13.214	989	991	992	rVV	45453	53775	3.02%	0.165%
65	13.294	996	998	1000	rVV	47206	58638	3.29%	0.180%
66	13.328	1000	1001	1005	rVV3	32711	55412	3.11%	0.170%
67	13.396	1005	1007	1009	rVV	64749	85919	4.83%	0.264%
68	13.431	1009	1010	1011	rVV	53126	59455	3.34%	0.182%
69	13.499	1014	1016	1017	rVV	67945	88650	4.98%	0.272%
70	13.545	1017	1020	1023	rVV2	264653	466431	26.20%	1.431%
71	13.648	1026	1029	1035	rVB3	537707	1157870	65.05%	3.552%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

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-BF081715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.751	1036	1038	1040	rVV2	75786	94528	5.31%	0.290%
73	13.877	1044	1049	1053	rVB4	61630	203040	11.41%	0.623%
74	14.037	1061	1063	1065	rBV	43403	47241	2.65%	0.145%
75	14.174	1072	1075	1083	rBV	400968	850823	47.80%	2.610%
76	14.642	1113	1116	1120	rBV	220010	446174	25.06%	1.369%
77	14.734	1122	1124	1126	rVV2	253001	396187	22.26%	1.215%
78	14.768	1126	1127	1135	rVV3	212606	325075	18.26%	0.997%
79	14.882	1135	1137	1140	rVB	141518	159178	8.94%	0.488%
80	14.940	1140	1142	1144	rBV	165988	237895	13.36%	0.730%
81	14.985	1144	1146	1151	rBV2	266539	338386	19.01%	1.038%
82	15.397	1179	1182	1184	rBV	142272	227355	12.77%	0.697%
83	15.442	1184	1186	1189	rVB2	73040	142960	8.03%	0.439%
84	15.900	1224	1226	1233	rVB4	56937	147438	8.28%	0.452%
85	16.025	1235	1237	1240	rVB3	59827	100646	5.65%	0.309%
86	16.162	1247	1249	1252	rBV2	54115	97299	5.47%	0.298%
87	16.540	1277	1282	1287	rBV2	74434	261202	14.67%	0.801%
88	16.643	1288	1291	1297	rBV2	229524	608816	34.20%	1.868%
89	16.894	1310	1313	1316	rBV2	110130	291136	16.36%	0.893%
90	17.077	1326	1329	1333	rVB	161881	378040	21.24%	1.160%
91	17.145	1333	1335	1342	rVB6	47691	151785	8.53%	0.466%
92	17.271	1342	1346	1354	rBV	394318	1118345	62.82%	3.431%
93	17.443	1358	1361	1367	rBV	118763	257102	14.44%	0.789%
94	18.266	1428	1433	1442	rVB4	169141	570483	32.05%	1.750%
95	18.448	1444	1449	1457	rVB5	82965	259185	14.56%	0.795%
96	18.631	1461	1465	1470	rVB3	34563	115154	6.47%	0.353%
97	19.877	1568	1574	1589	rVB5	92494	465284	26.14%	1.427%
98	20.129	1590	1596	1613	rBV6	126464	840752	47.23%	2.579%
99	20.529	1628	1631	1637	rVB4	39575	141872	7.97%	0.435%
100	20.712	1642	1647	1661	rVB7	52188	245074	13.77%	0.752%

Sum of corrected areas: 32599501

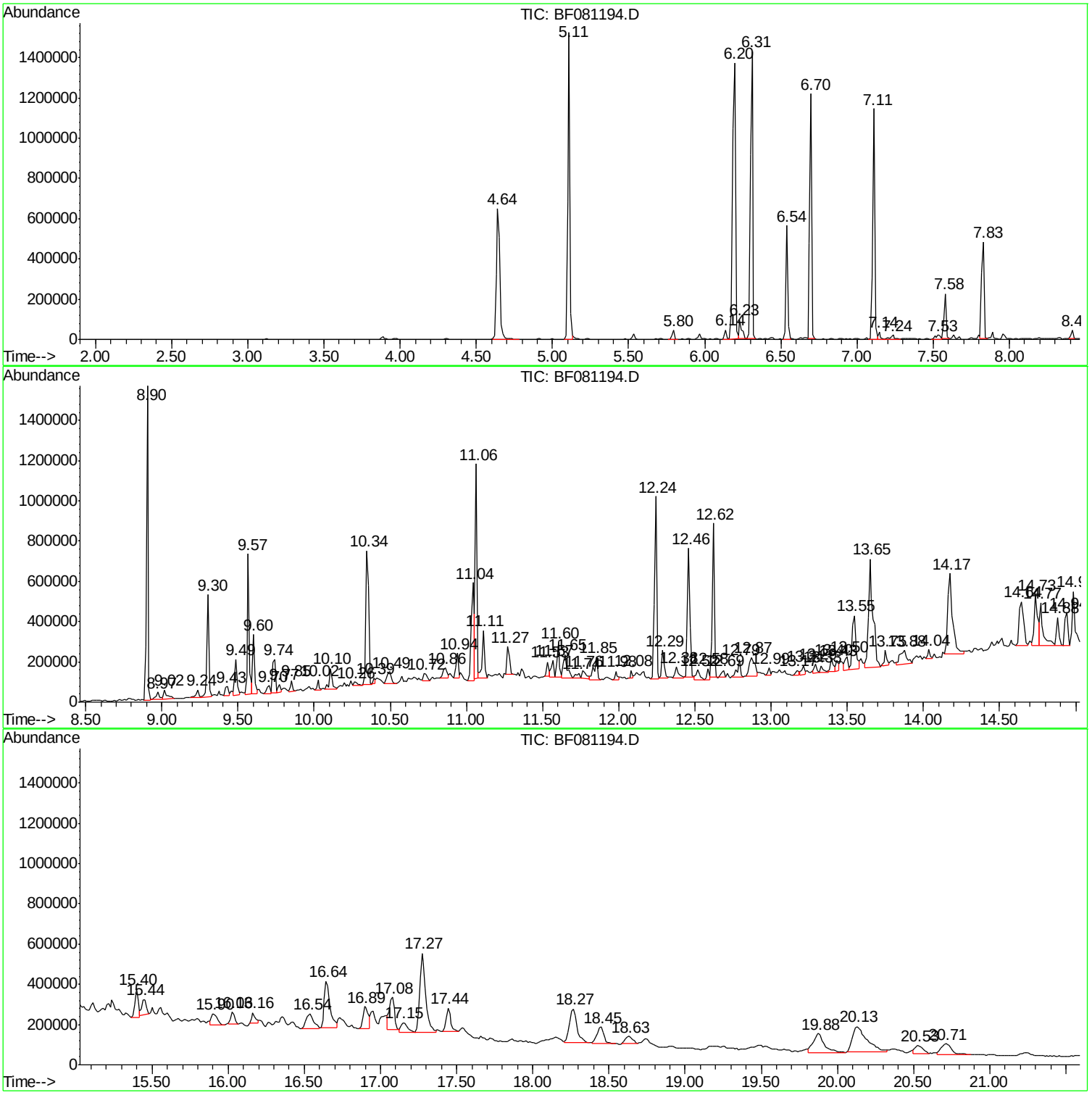
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

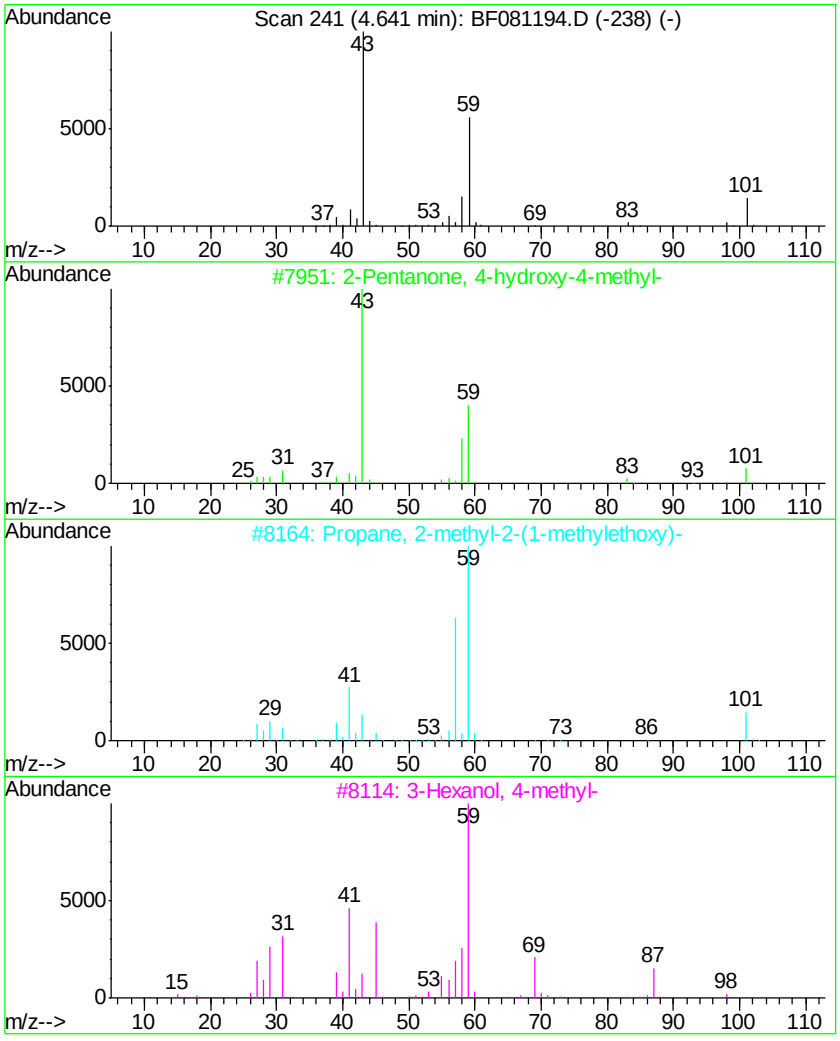
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

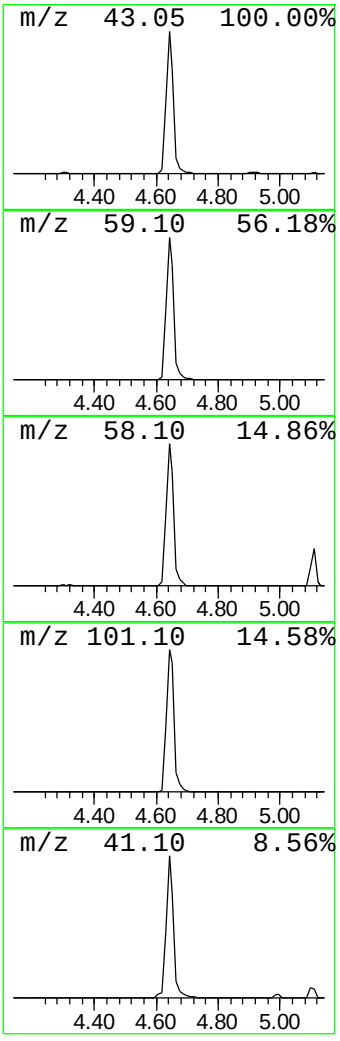
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.64	48.53 ng	1112010	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

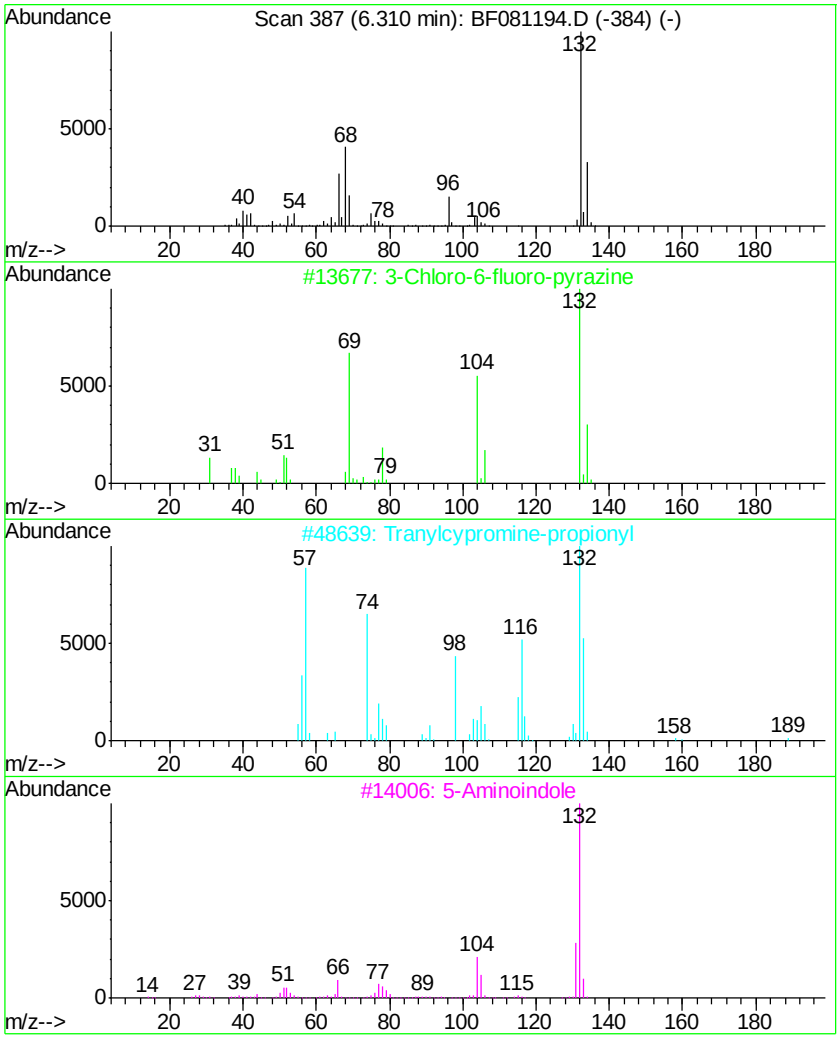
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

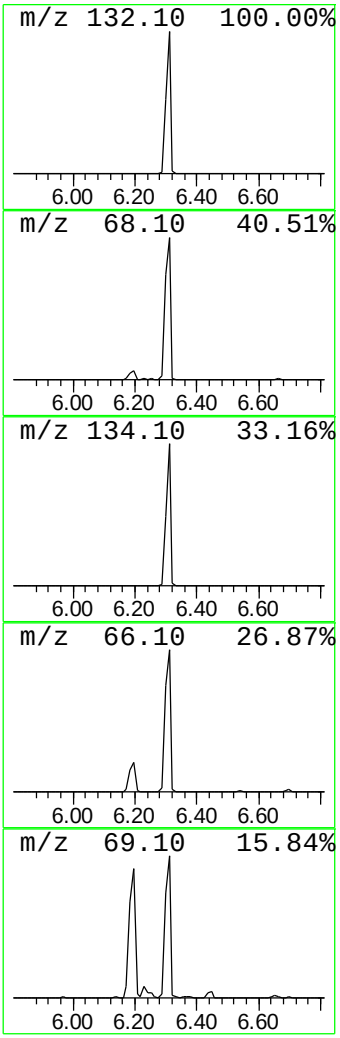
****

Peak Number 2 unknown6.31 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	71.30 ng	1633880	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	5-Aminoindole	132	C8H8N2	005192-03-0	9
4	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

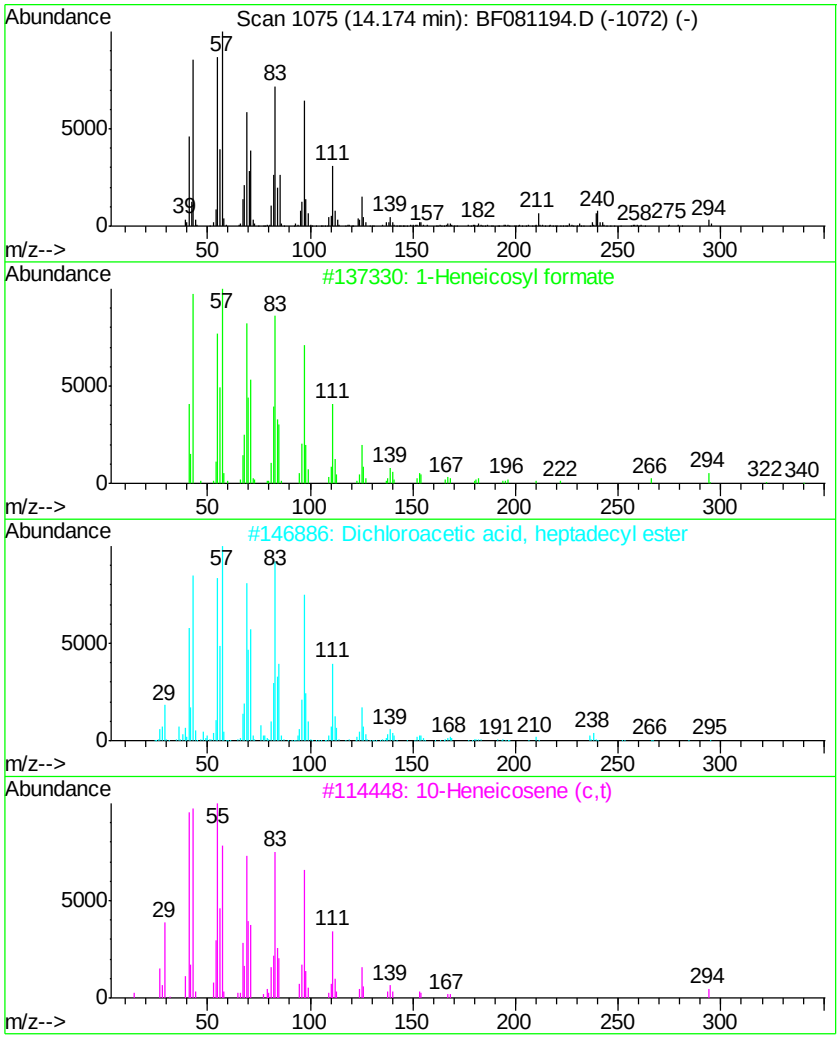
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

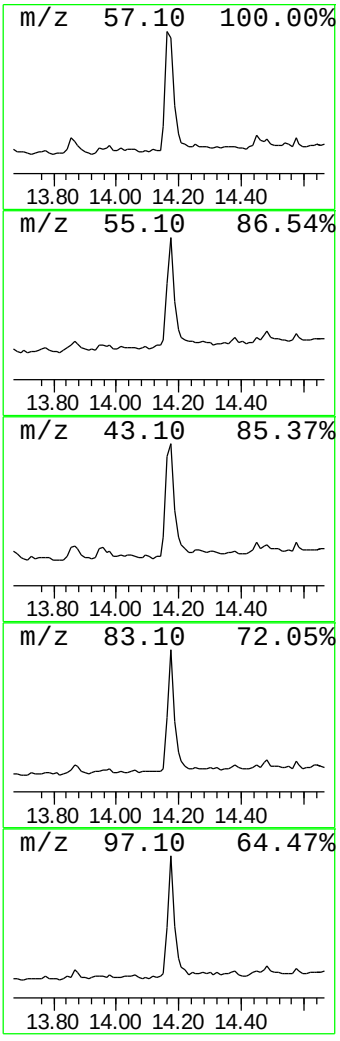
****

Peak Number 4 1-Heneicosyl formate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	14.70 ng	850823	Chrysene-d12	13.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91
3	10-Heneicosene (c,t)	294	C21H42	095008-11-0	90
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
5	1-Docosene	308	C22H44	001599-67-3	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

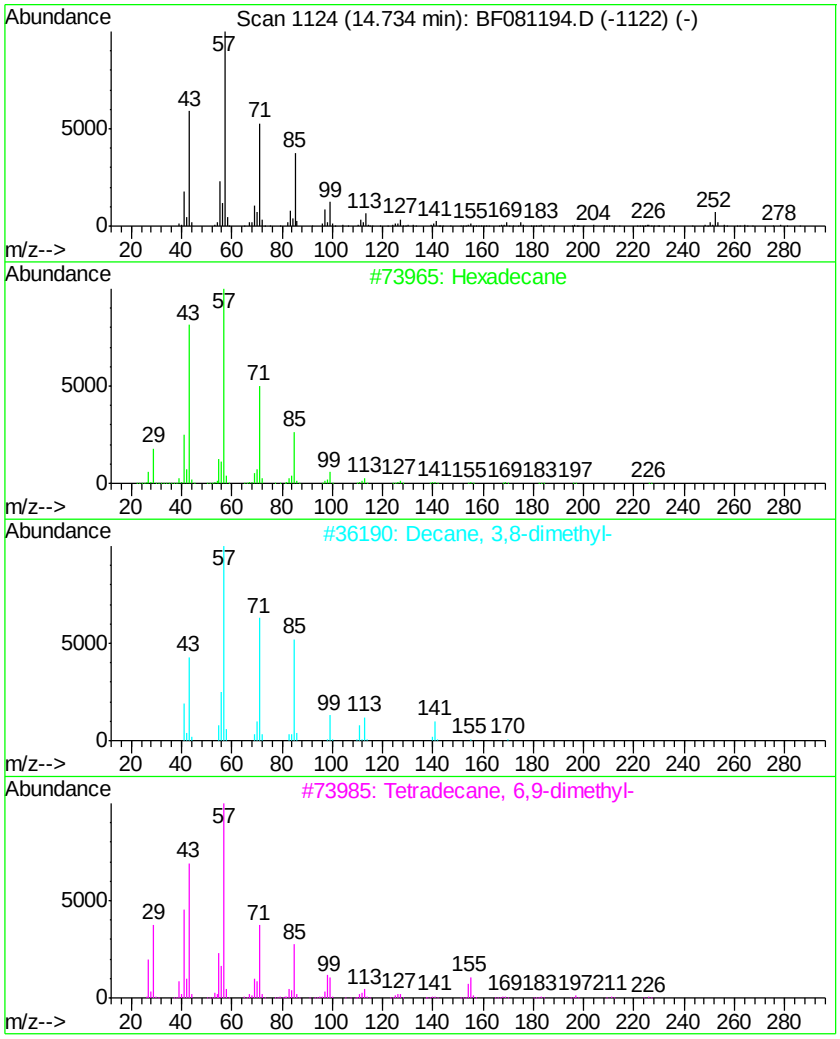
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

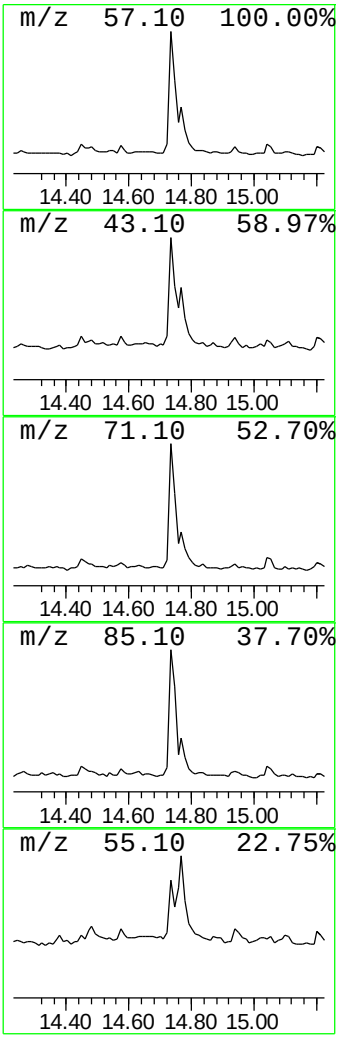
****

Peak Number 5 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	23.42 ng	396187	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
3	Tetradecane, 6,9-dimethyl-	226	C16H34	055045-13-1	87
4	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	86
5	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	86





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

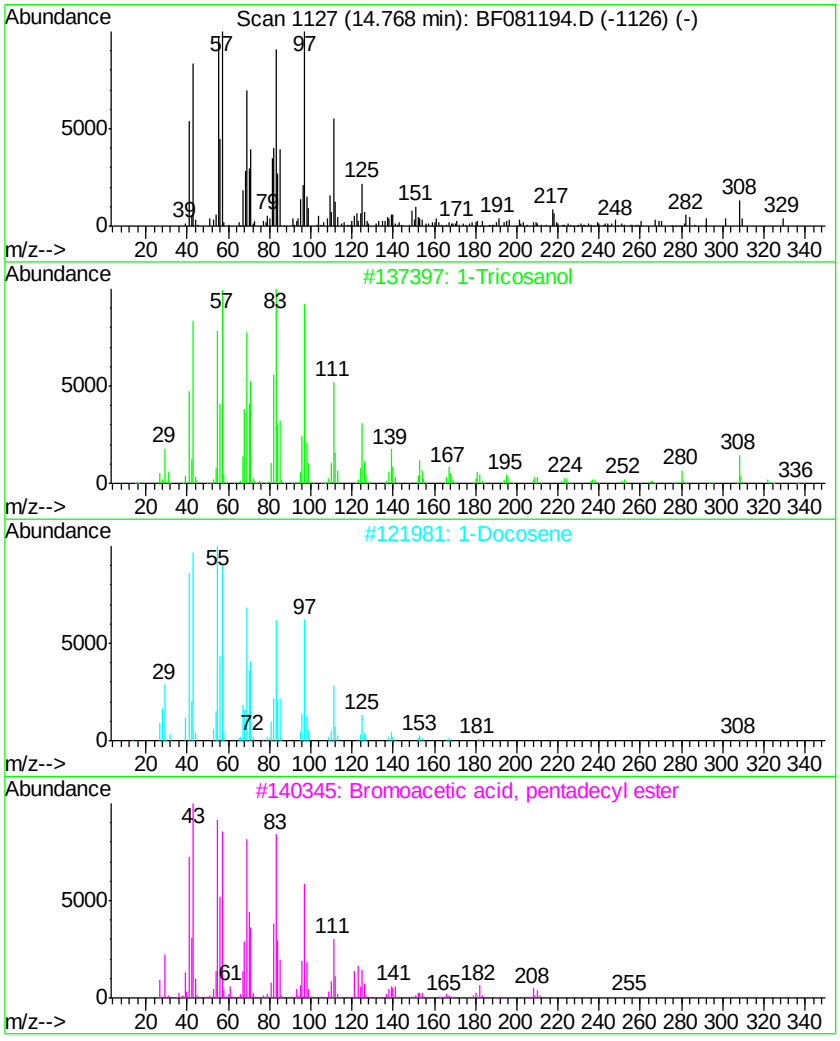
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

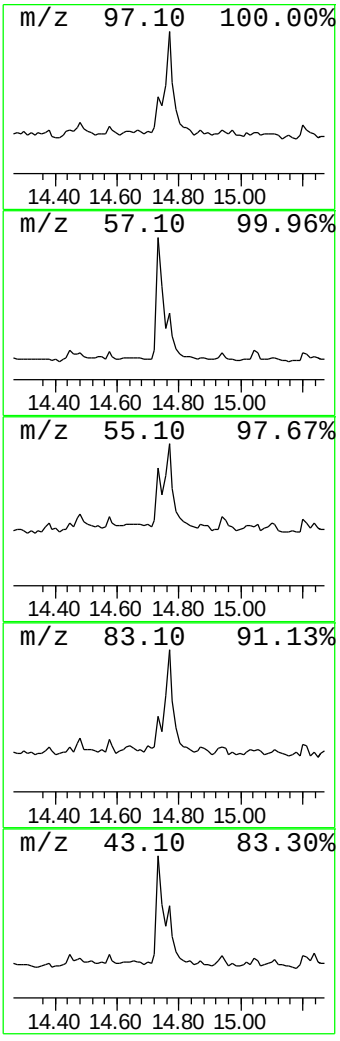
****

Peak Number 6 1-Tricosanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	19.21 ng	325075	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tricosanol	340	C23H48O	003133-01-5	81
2	1-Docosene	308	C22H44	001599-67-3	74
3	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	62
4	1-Docosanol	326	C22H46O	000661-19-8	58
5	1-Tricosene	322	C23H46	018835-32-0	52





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

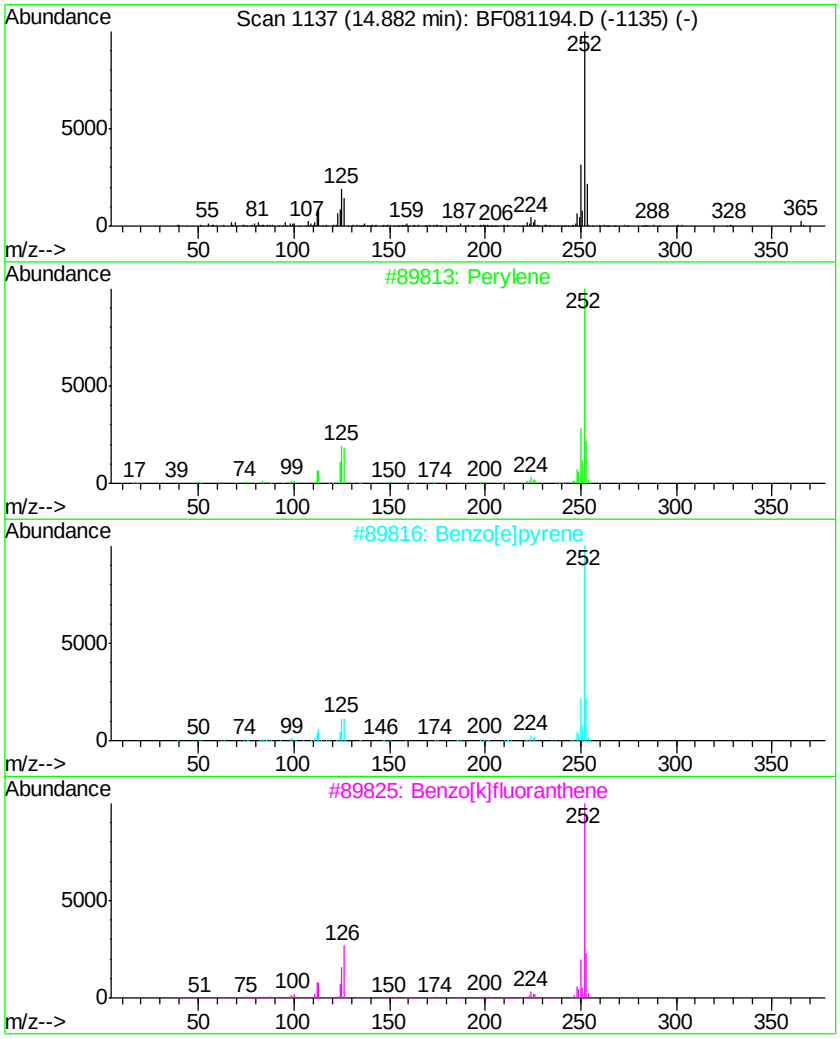
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

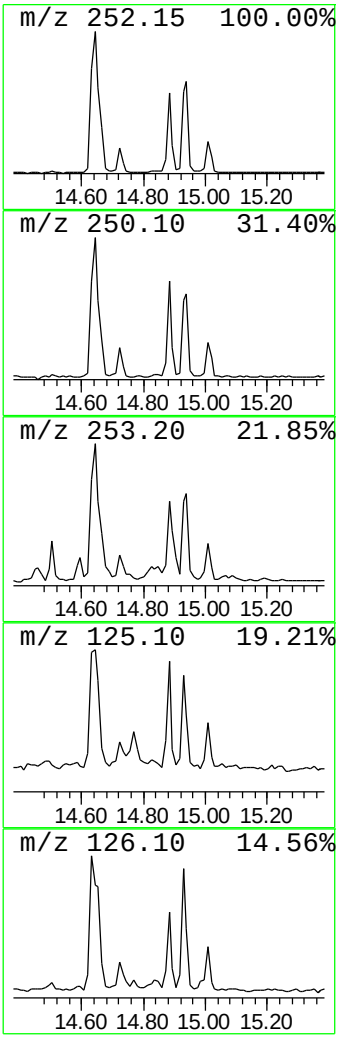
****

Peak Number 7 Perylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	9.41 ng	159178	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

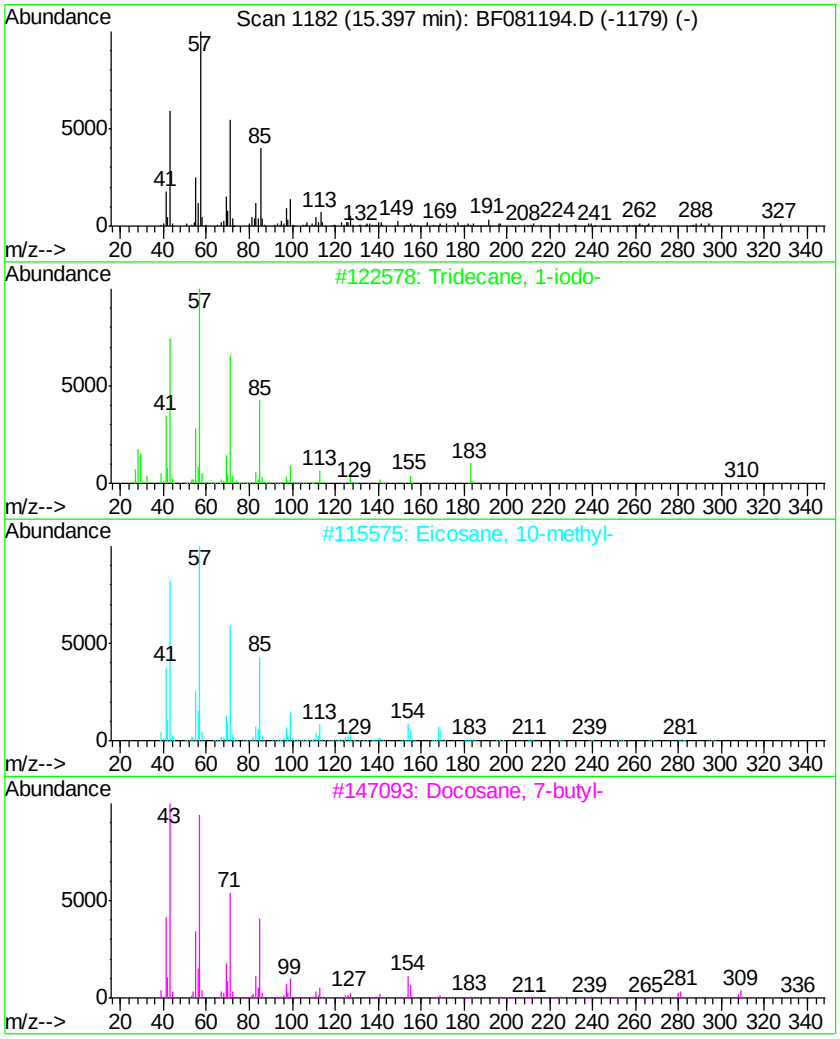
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

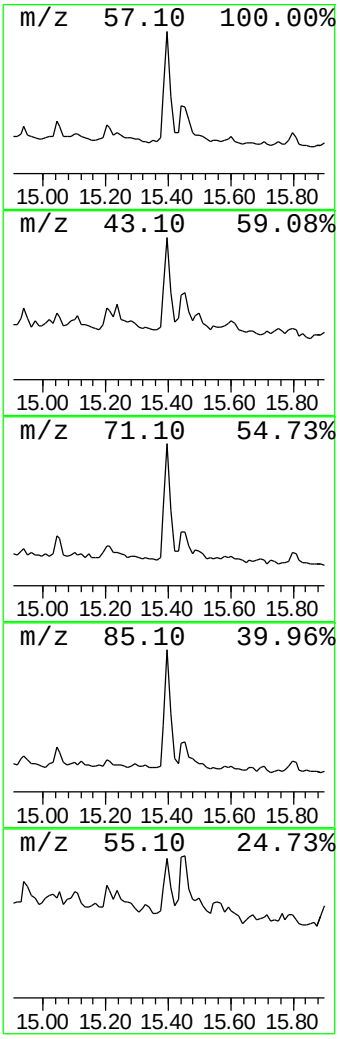
****

Peak Number 8 Tridecane, 1-iodo- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	13.44 ng	227355	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	80
3	Docosane, 7-butyl-	366	C26H54	055282-15-0	80
4	Tetratetracontane	619	C44H90	007098-22-8	80
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	80





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

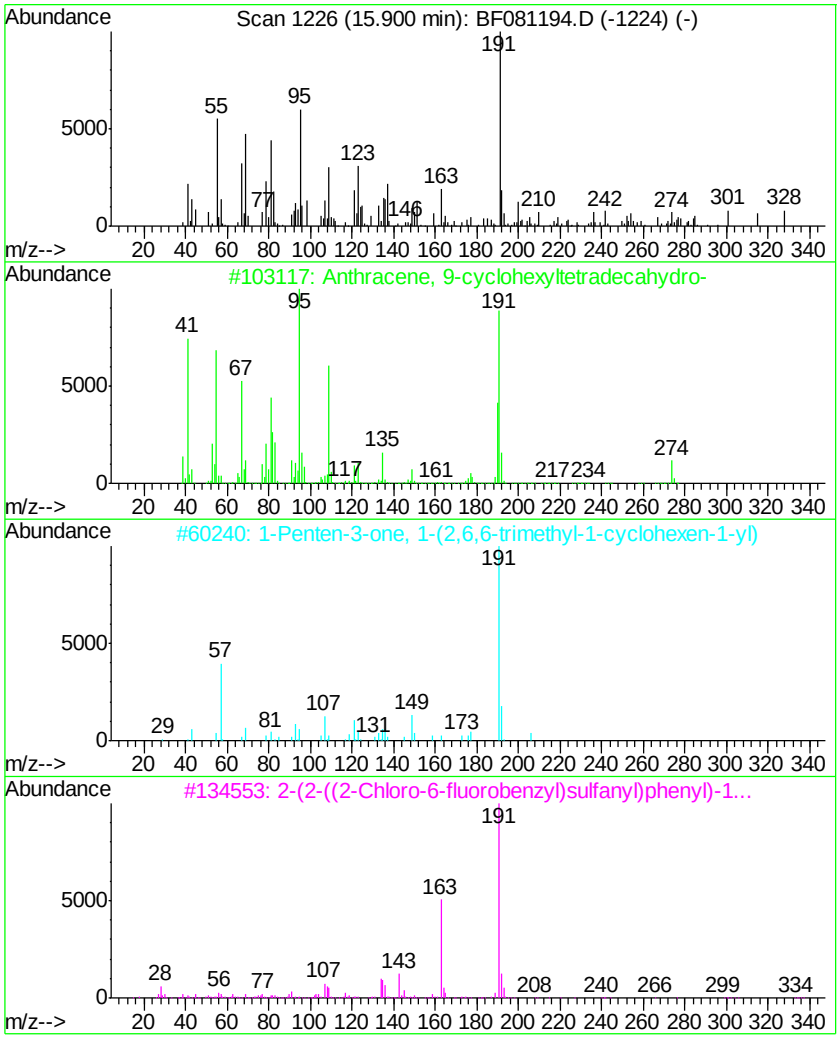
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

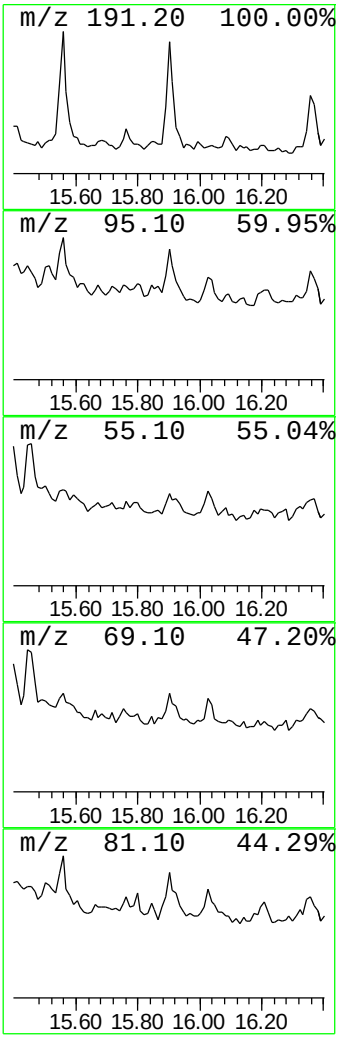
****

Peak Number 9 Anthracene, 9-cyclohexyltet... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	8.71 ng	147438	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	60
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38
3	2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	38
4	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	38
5	Acetamide, N-[3-[[(2,5-dioxo-1-p...	303	C16H21N3O3	027550-64-7	35





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

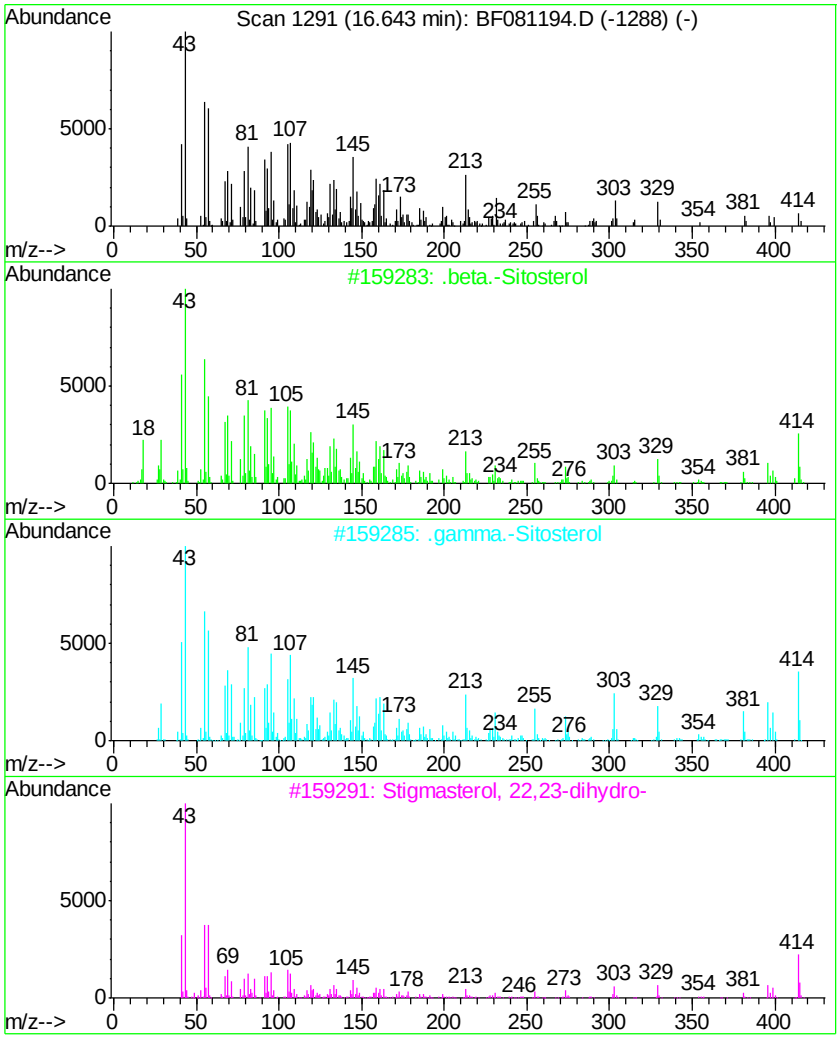
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

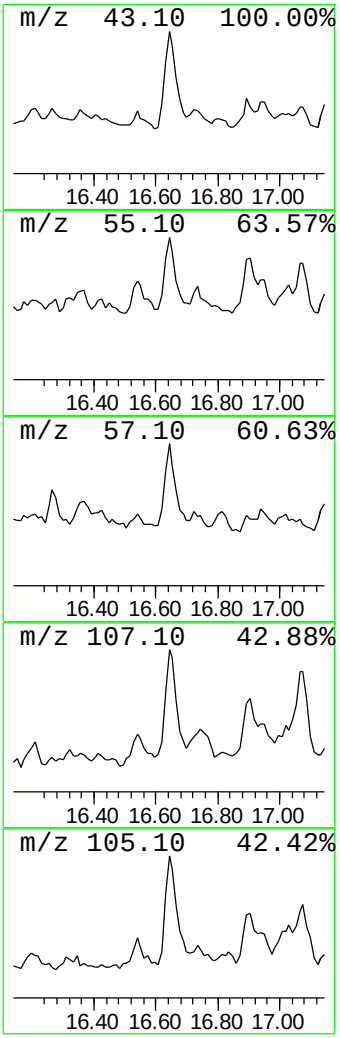
****

Peak Number 10 .beta.-Sitosterol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	35.98 ng	608816	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	99
2	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
3	Stigmasterol, 22,23-dihydro-	414	C29H50O	1000214-20-7	55
4	Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	38
5	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	30





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

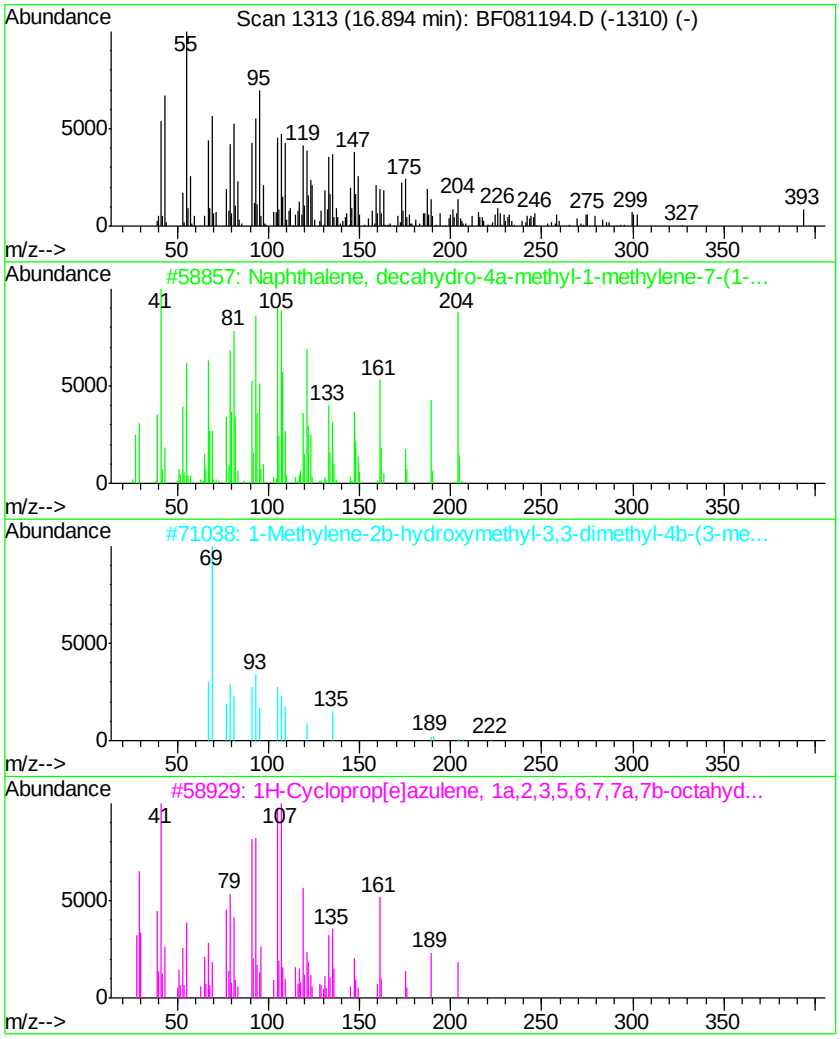
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

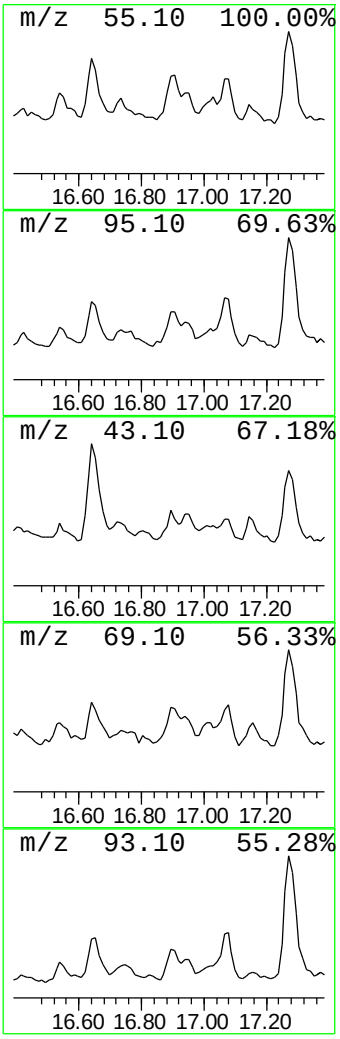
****

Peak Number 11 unknown16.89 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	17.21 ng	291136	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	38
2	1-Methylene-2b-hydroxymethyl-3,3...	222	C15H26O	1000144-10-6	38
3	1H-Cycloprop[e]azulene, 1a,2,3,5...	204	C15H24	021747-46-6	35
4	Aromadendrene	204	C15H24	109119-91-7	30
5	7-Oxabicyclo[4.1.0]heptane, 2,2,...	218	C15H22O	070038-20-9	30





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

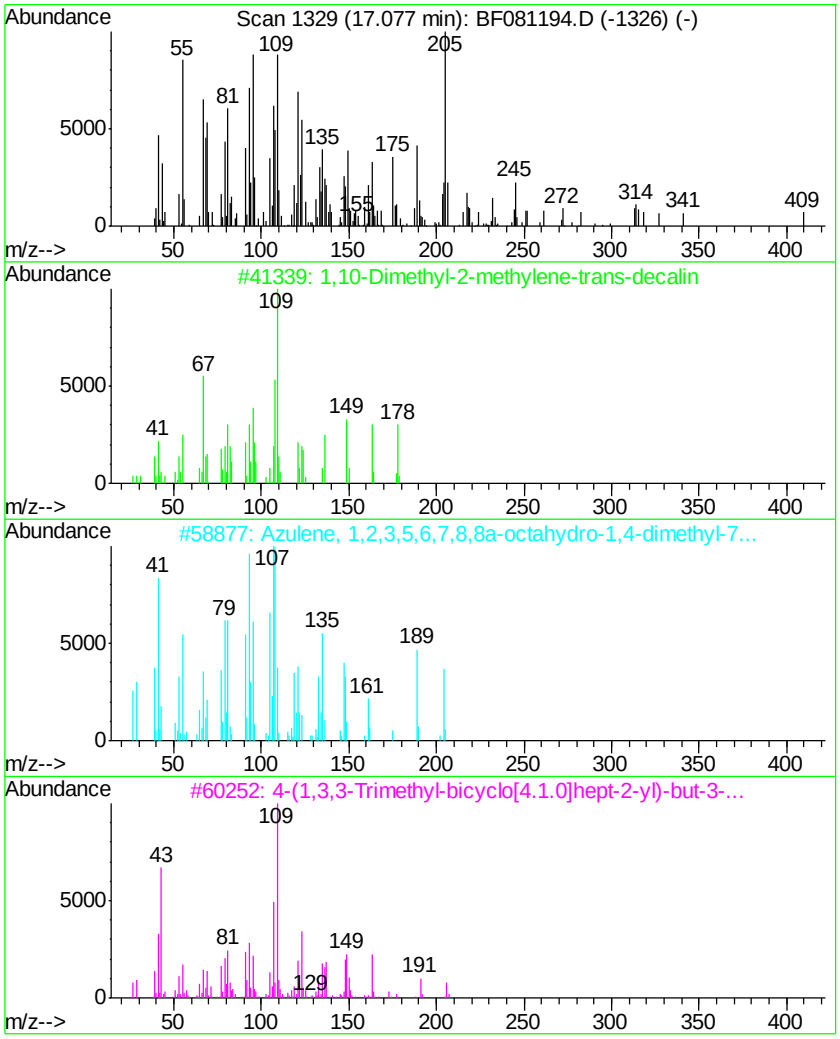
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

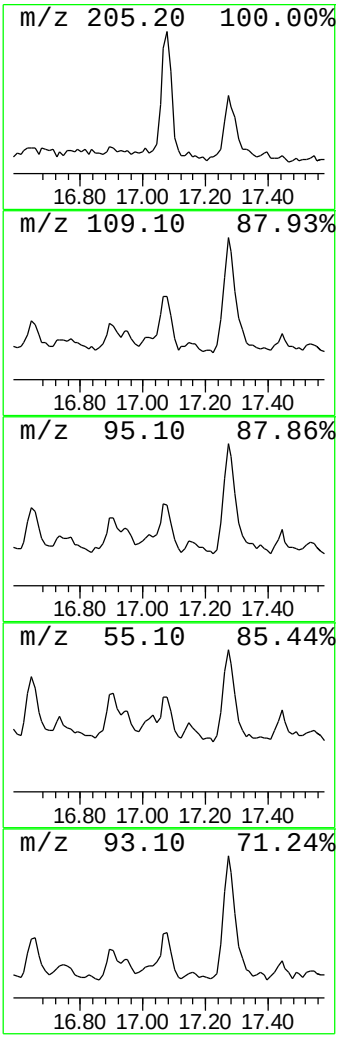
****

Peak Number 12 unknown17.08 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	22.34 ng	378040	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,10-Dimethyl-2-methylene-trans-...	178	C13H22	1000103-97-8	22
2	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	15
3	4-(1,3,3-Trimethyl-bicyclo[4.1.0...	206	C14H22O	077143-31-8	14
4	2-Butenal, 2-methyl-4-(2,6,6-tri...	206	C14H22O	003155-71-3	14
5	Benzofuran, 2,4,5,6,7,7a-hexahyd...	220	C15H24O	069296-94-2	14





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

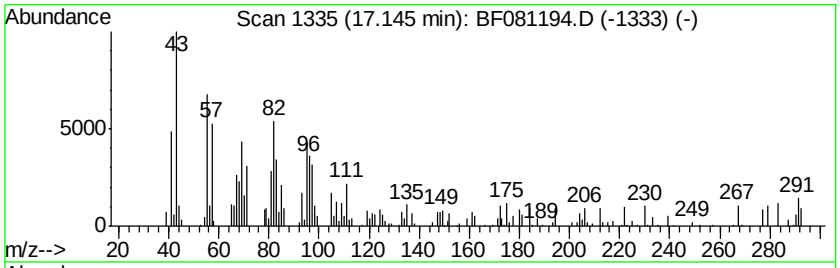
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

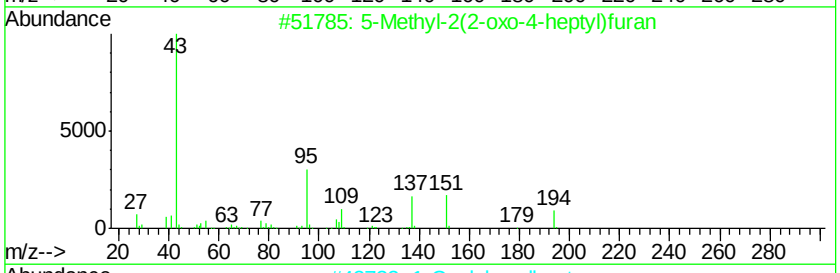
****

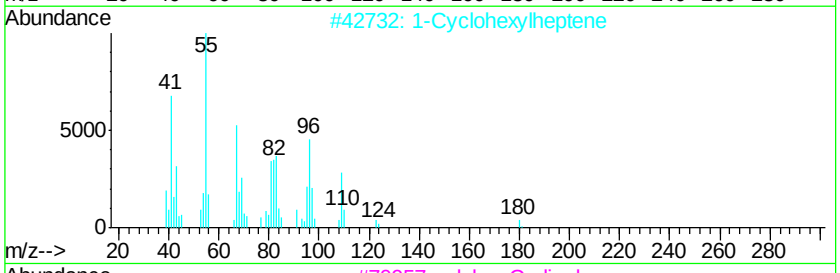
Peak Number 13 unknown17.15 Concentration Rank 19

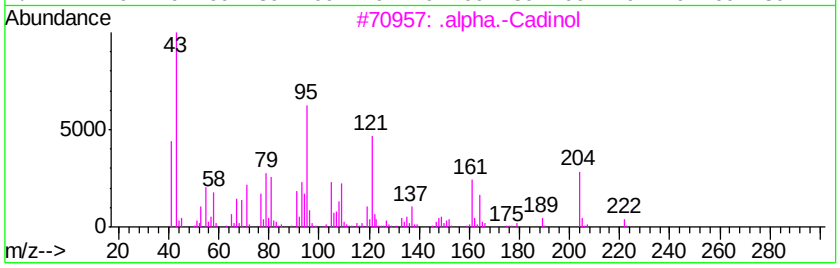
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	8.97 ng	151785	Perylene-d12	14.99

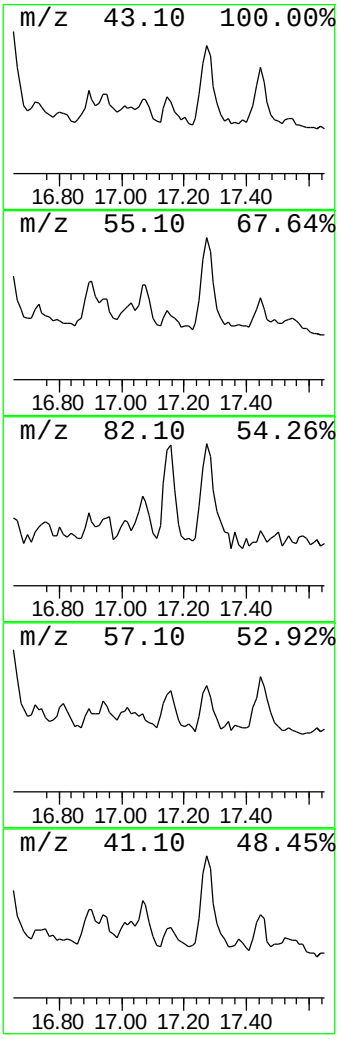
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methyl-2(2-oxo-4-heptyl)furan	194	C12H18O2	100520-26-1	22
2	1-Cyclohexylheptene	180	C13H24	114614-83-4	14
3	.alpha.-Cadinol	222	C15H26O	000481-34-5	14
4	6,6-Dimethyl-cyclooct-4-enone	152	C10H16O	1000194-10-0	14
5	Z-6-Tetradecen-1-ol acetate	254	C16H30O2	1000130-82-1	12











Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

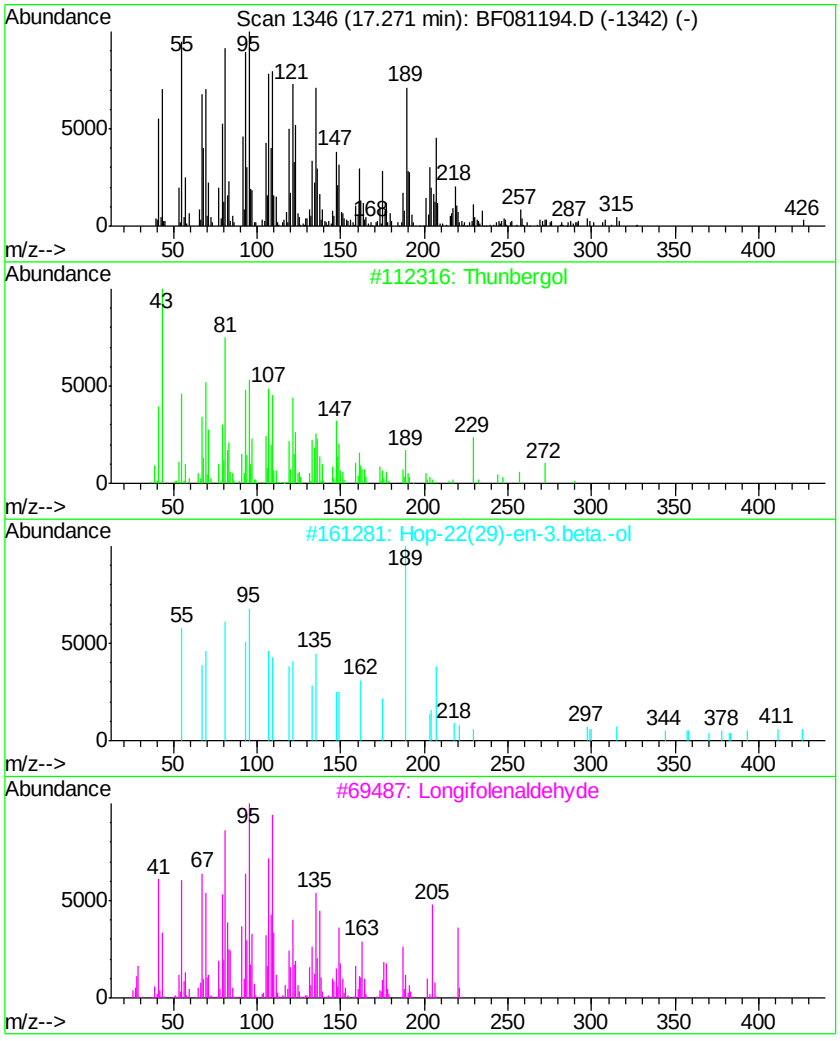
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

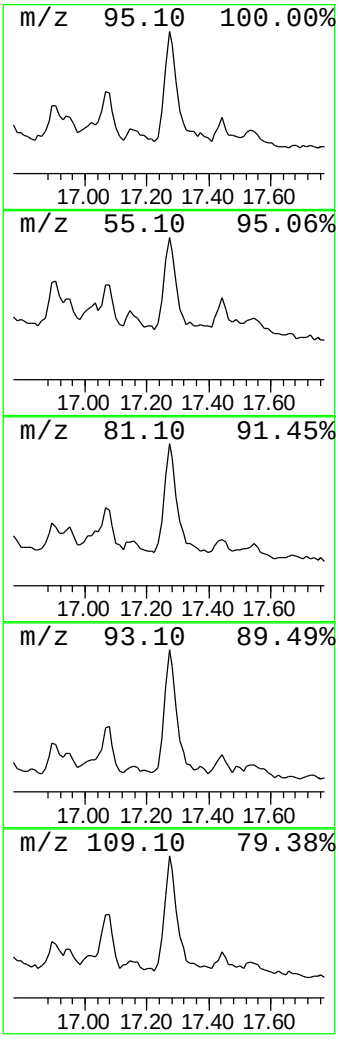
****

Peak Number 14 Thunbergol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	66.10 ng	1118350	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thunbergol	290	C20H34O	025269-17-4	64
2	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	62
3	Longifolenaldehyde	220	C15H24O	019890-84-7	58
4	2-Methyl-3-(3-methyl-but-2-enyl)...	222	C15H26O	1000144-10-2	55
5	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	010219-75-7	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

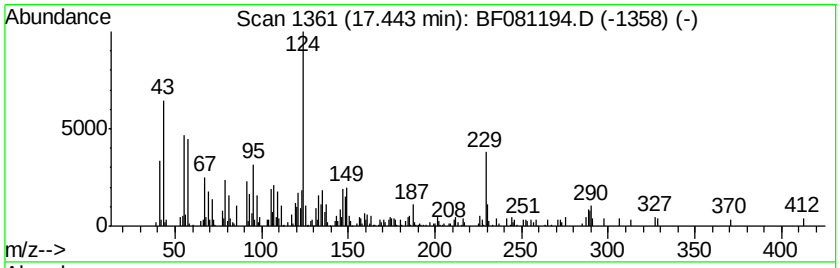
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

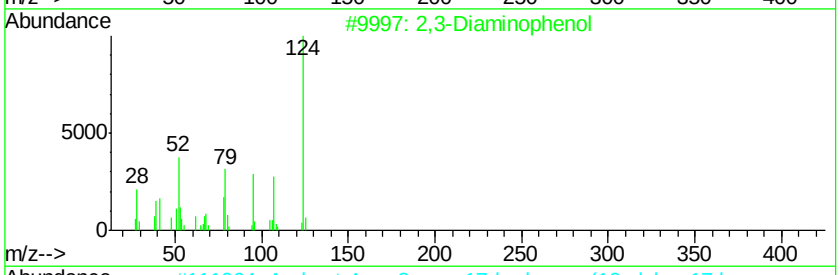
****

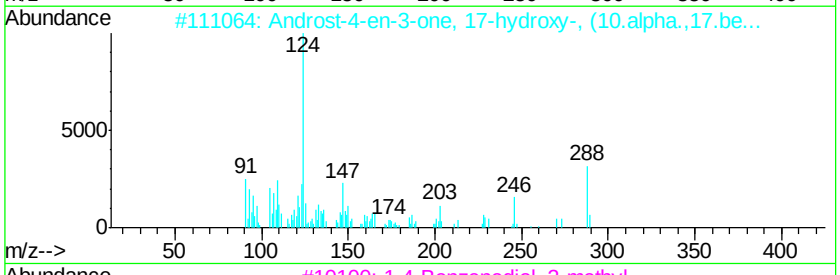
Peak Number 15 2,3-Diaminophenol Concentration Rank 14

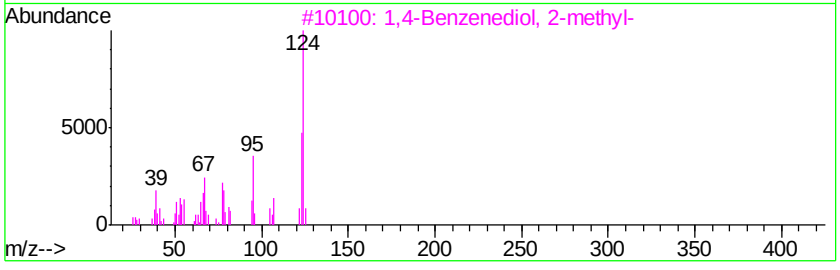
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	15.20 ng	257102	Perylene-d12	14.99

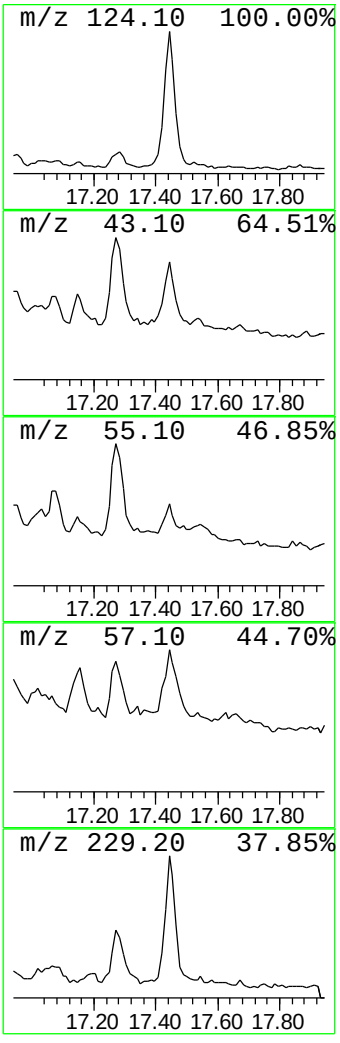
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Diaminophenol	124	C6H8N2O	059649-56-8	53
2	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000604-39-7	46
3	1,4-Benzenediol, 2-methyl-	124	C7H8O2	000095-71-6	43
4	5-Ethylcyclopent-1-enecarboxalde...	124	C8H12O	036431-60-4	43
5	2-Amino-6-methoxypyridine	124	C6H8N2O	017920-35-3	38











Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

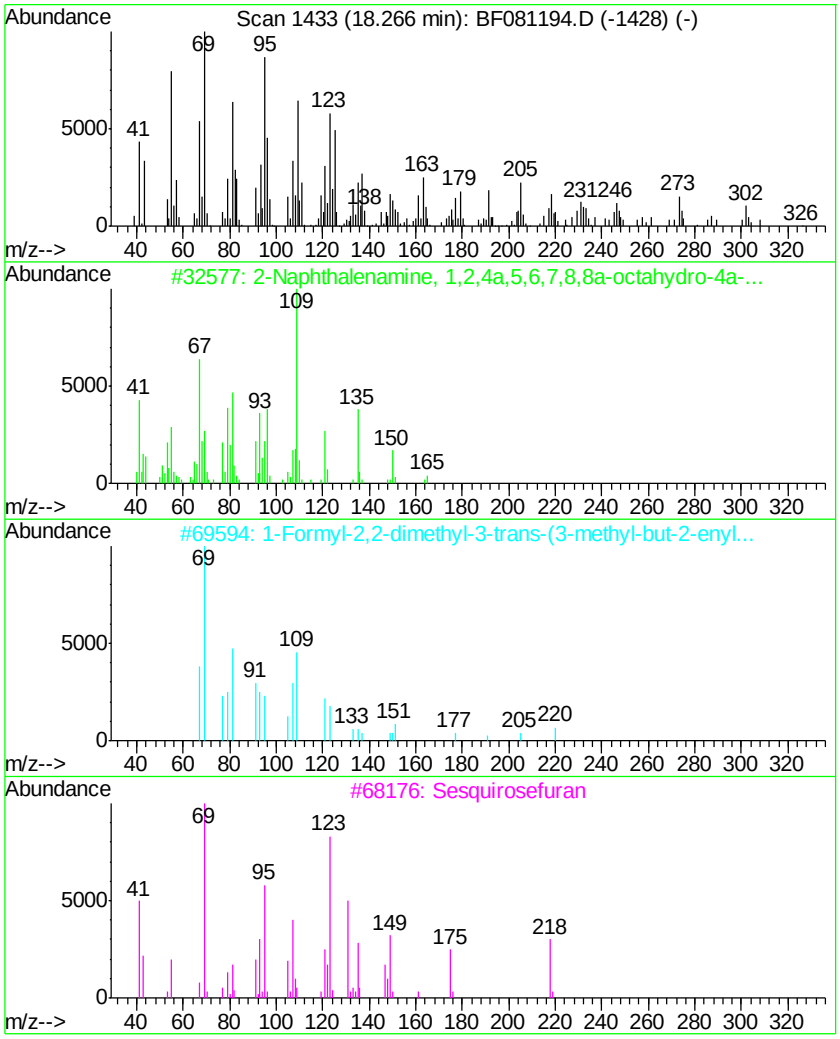
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

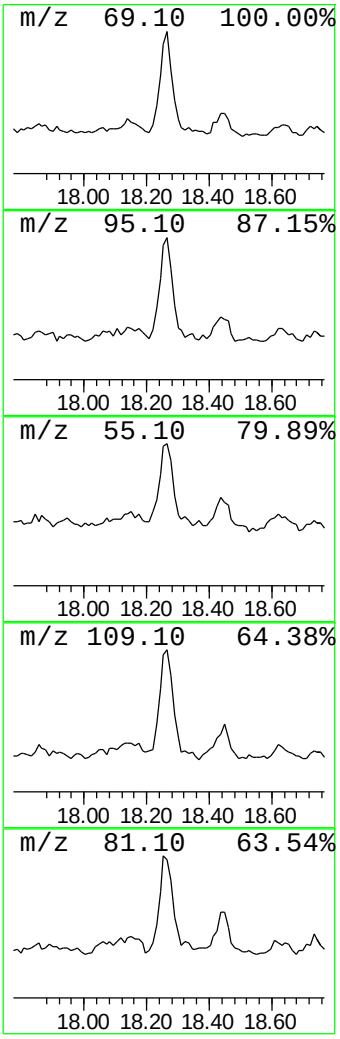
****

Peak Number 16 unknown18.27 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	33.72 ng	570483	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenamine, 1,2,4a,5,6,7,...	165	C11H19N	056053-03-3	44
2	1-Formyl-2,2-dimethyl-3-trans-(3...	220	C15H24O	1000144-09-7	42
3	Sesquirosefuran	218	C15H22O	039007-93-7	41
4	1H-Imidazole, 2-ethyl-	96	C5H8N2	001072-62-4	25
5	1-Formyl-2,2,6-trimethyl-3-cis-(...	220	C15H24O	1000144-10-1	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

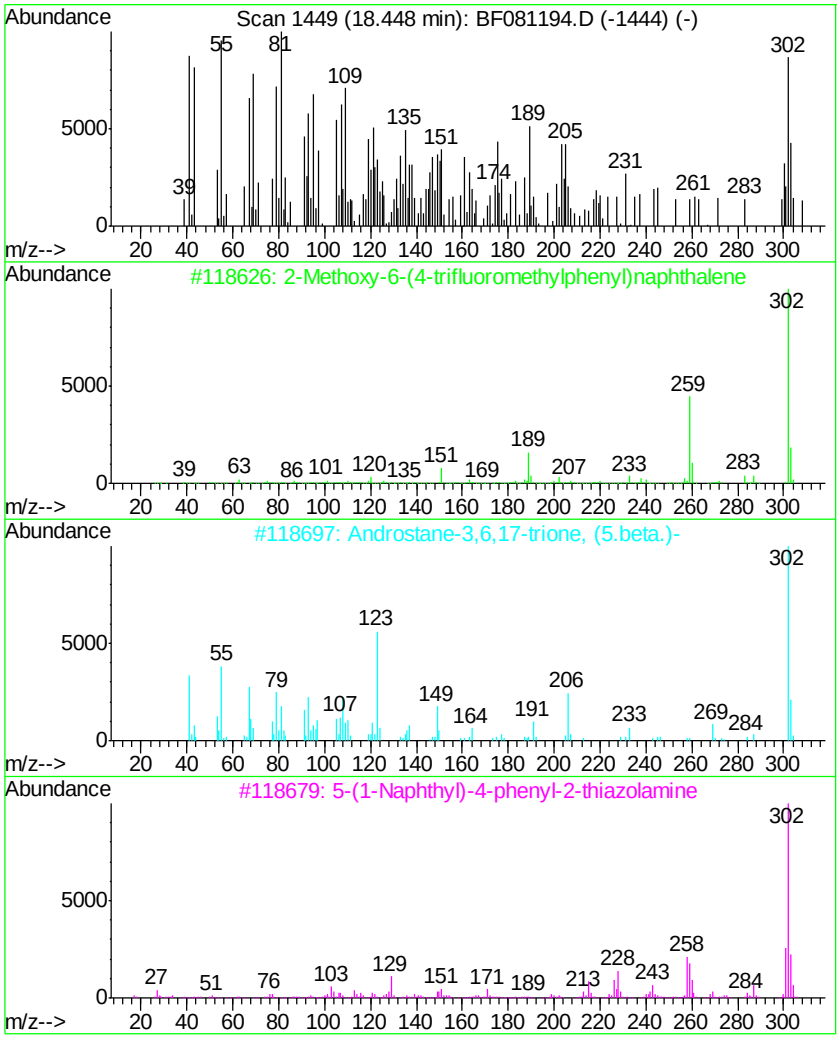
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

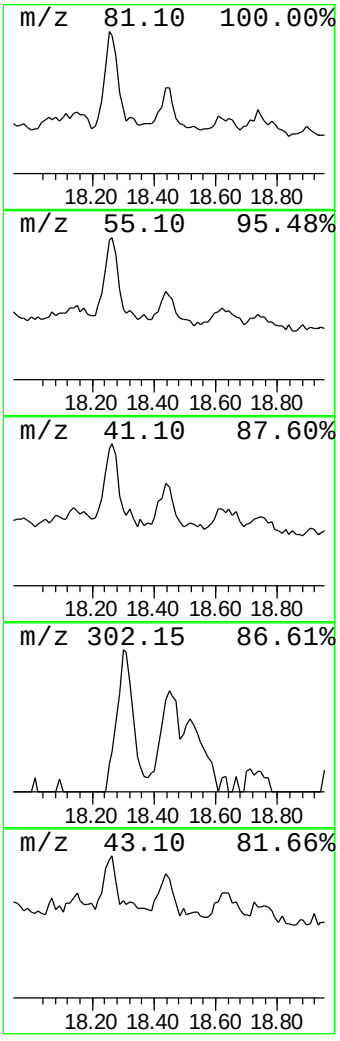
****

Peak Number 17 unknown18.45 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	15.32 ng	259185	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methoxy-6-(4-trifluoromethylph...	302	C18H13F3O	161980-15-0	22
2	Androstane-3,6,17-trione, (5.bet...	302	C19H26O3	026991-58-2	18
3	5-(1-Naphthyl)-4-phenyl-2-thiazo...	302	C19H14N2S	109692-15-1	14
4	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	14
5	Testololactone	302	C19H26O3	1000126-89-5	14





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

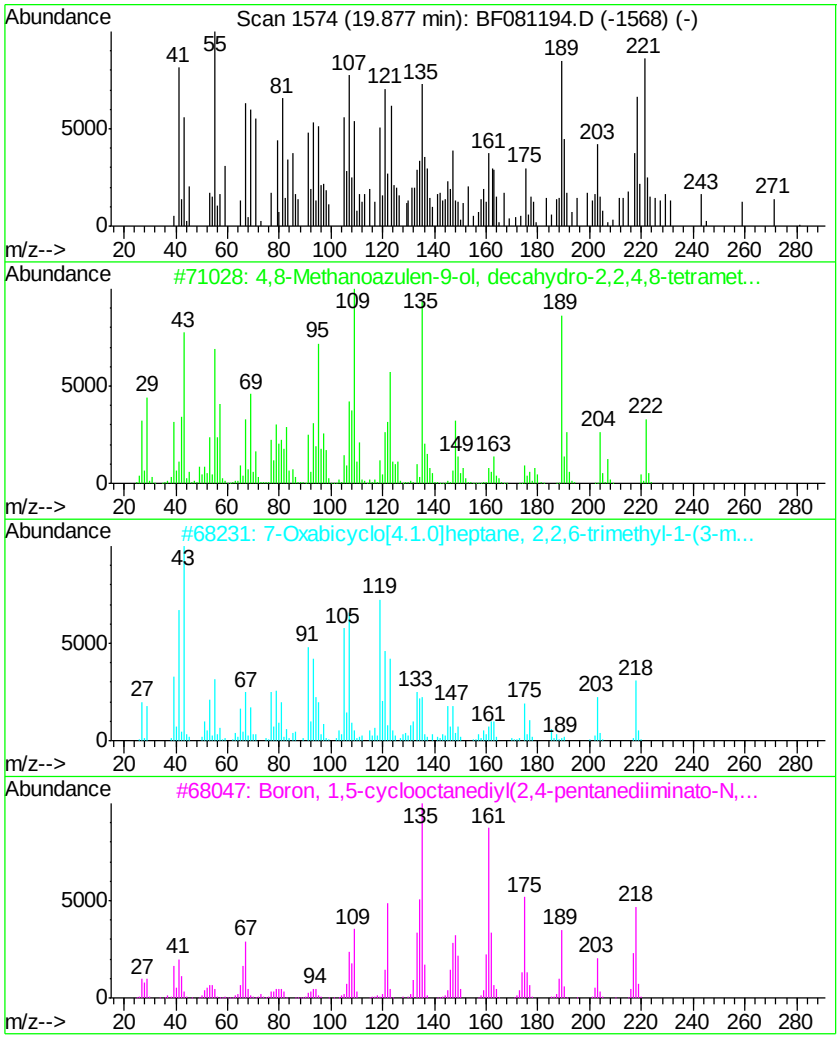
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

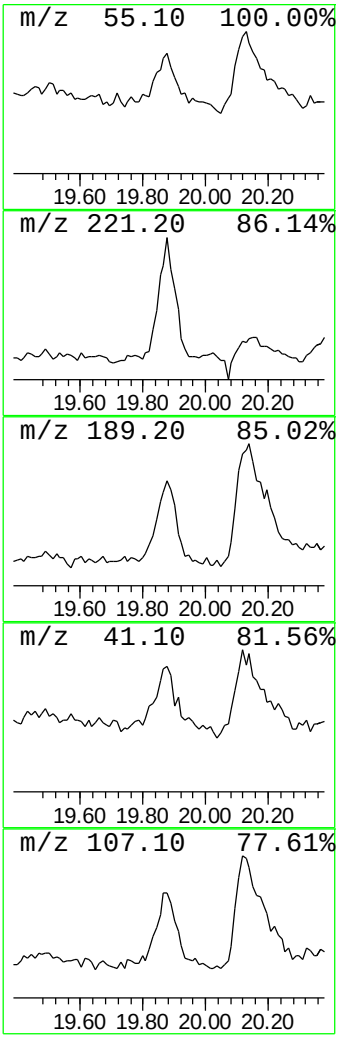
****

Peak Number 18 unknown19.88 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	27.50 ng	465284	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,8-Methanoazulen-9-ol, decahydr...	222	C15H26O	004586-22-5	42
2	7-Oxabicyclo[4.1.0]heptane, 2,2,...	218	C15H22O	070038-20-9	30
3	Boron, 1,5-cyclooctanediyl(2,4-p...	218	C13H23BN2	136704-99-9	25
4	6S-2,3,8,8-Tetramethyltricyclo[5...	204	C15H24	137235-48-4	22
5	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	18





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

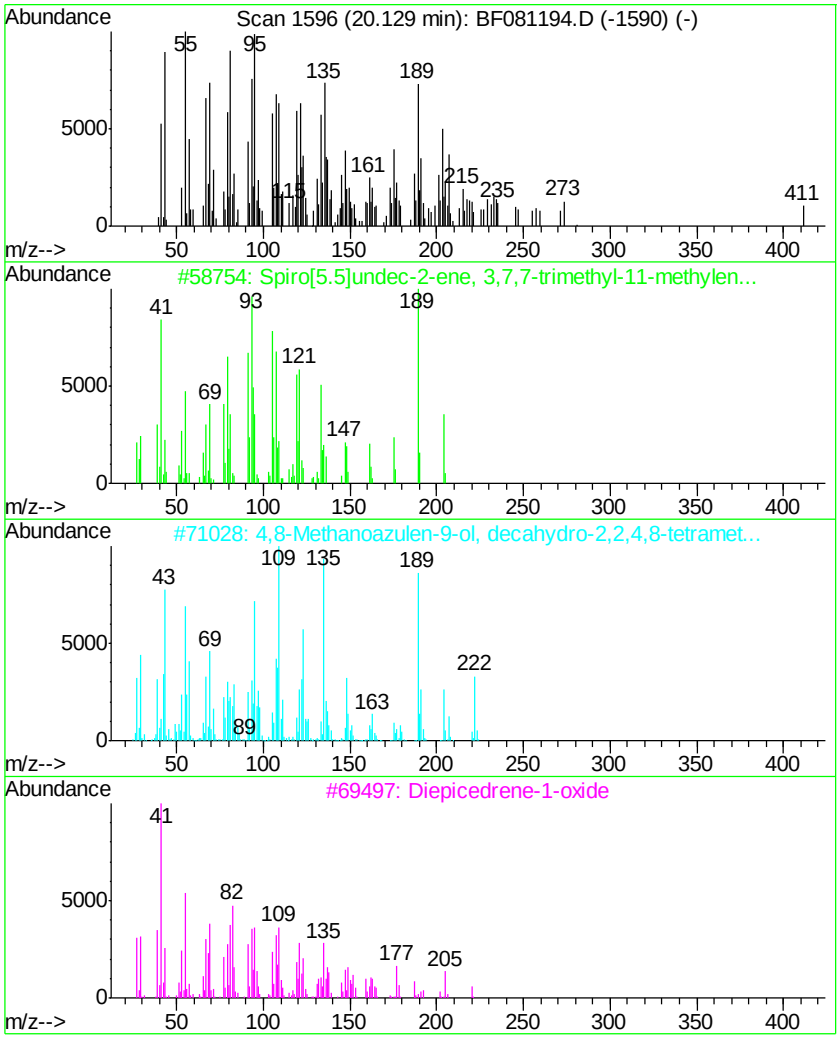
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

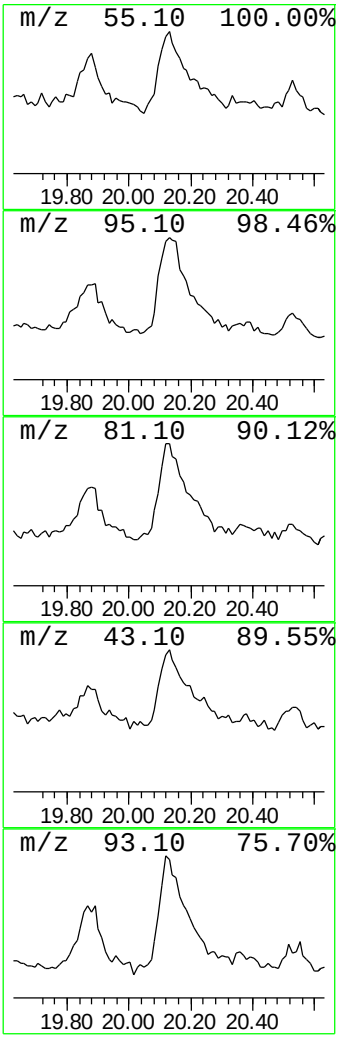
****

Peak Number 19 Spiro[5.5]undec-2-ene, 3,7,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	49.69 ng	840752	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[5.5]undec-2-ene, 3,7,7-tri...	204	C15H24	018431-82-8	55
2	4,8-Methanoazulen-9-ol, decahydr...	222	C15H26O	004586-22-5	30
3	Diepicedrene-1-oxide	220	C15H24O	1000156-11-0	25
4	5-Cholene, 3,24-dihydroxy-	360	C24H40O2	1000251-69-2	22
5	2R-Acetoxymethyl-1,3,5-trimethyl...	282	C17H30O3	1000144-12-6	22





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

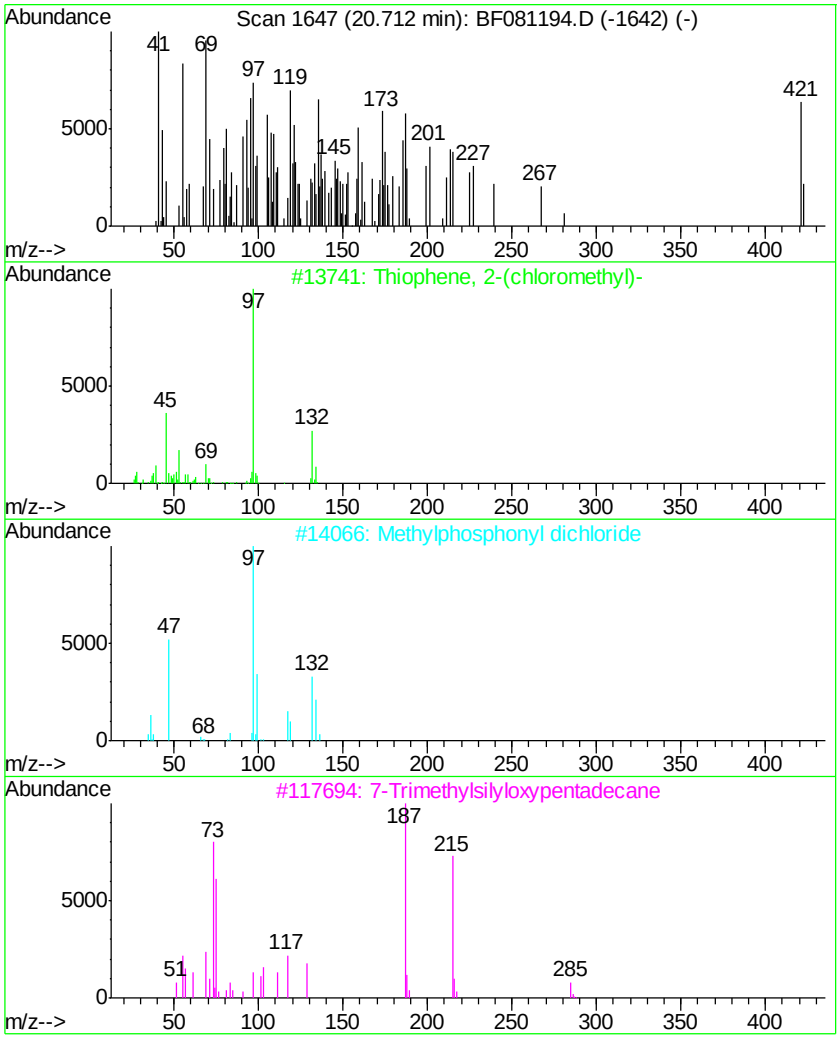
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

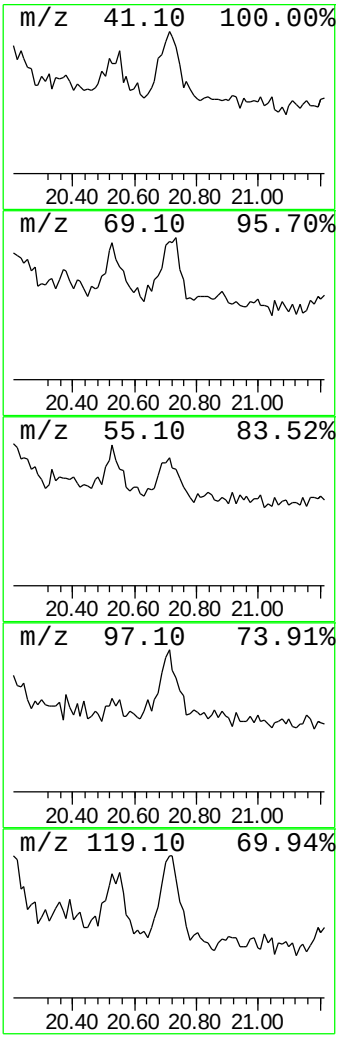
****

Peak Number 20 unknown20.71 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	14.48 ng	245074	Perylene-d12	14.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-(chloromethyl)-	132	C5H5ClS	000765-50-4	10
2	Methylphosphonyl dichloride	132	CH3Cl2OP	000676-97-1	10
3	7-Trimethylsilyloxypentadecane	300	C18H40OSi	1000215-16-3	10
4	2-Cyclohexen-1-ol, 3-methyl-	112	C7H12O	021378-21-2	10
5	Cyclopentanecarboxamide, N-(4-br...	281	C13H16BrNO	351061-28-4	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081194.D
Acq On : 25 Aug 2015 4:44
Operator : UM/IZ
Sample : G3387-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.64	48.5	ng	1112010	1	6.54	458323	20.0
unknown6.31	6.31	71.3	ng	1633880	1	6.54	458323	20.0
1-Heneicosyl formate	14.17	14.7	ng	850823	5	13.65	1157870	20.0
Hexadecane	14.73	23.4	ng	396187	6	14.99	338386	20.0
1-Tricosanol	14.77	19.2	ng	325075	6	14.99	338386	20.0
Perylene	14.88	9.4	ng	159178	6	14.99	338386	20.0
Tridecane, 1-iodo-	15.40	13.4	ng	227355	6	14.99	338386	20.0
Anthracene, 9-cyc...	15.90	8.7	ng	147438	6	14.99	338386	20.0
.beta.-Sitosterol	16.64	36.0	ng	608816	6	14.99	338386	20.0
unknown16.89	16.89	17.2	ng	291136	6	14.99	338386	20.0
unknown17.08	17.08	22.3	ng	378040	6	14.99	338386	20.0
unknown17.15	17.15	9.0	ng	151785	6	14.99	338386	20.0
Thunbergol	17.27	66.1	ng	1118350	6	14.99	338386	20.0
2,3-Diaminophenol	17.44	15.2	ng	257102	6	14.99	338386	20.0
unknown18.27	18.27	33.7	ng	570483	6	14.99	338386	20.0
unknown18.45	18.45	15.3	ng	259185	6	14.99	338386	20.0
unknown19.88	19.88	27.5	ng	465284	6	14.99	338386	20.0
Spiro[5.5]undec-2...	20.13	49.7	ng	840752	6	14.99	338386	20.0
unknown20.71	20.71	14.5	ng	245074	6	14.99	338386	20.0