LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

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-BF042716.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	4.944	248	250	259	rBV	138864	218949	3.29%	0.217%
2	5.367	284	287	290	rBV	2831320	3768197	56.63%	3.739%
3	6.419	376	379	382	rBV	3103786	3754049	56.42%	3.725%
4	6.544	388	390	393	rBV	3494131	3652942	54.90%	3.625%
5	6.773	408	410	413	rBV	870112	1016361	15.27%	1.008%
6	6.933	421	424	427	rBV	3186289	2926753	43.98%	2.904%
7	7.344	457	460	462	rBV	2453866	2447468	36.78%	2.428%
8	8.065	520	523	525	rBV	1473022	1316207	19.78%	1.306%
9	9.093	609	613	615	rBV	35661	68081	1.02%	0.068%
10	9.139	615	617	620	rVV	2735908	3581449	53.82%	3.554%
11	9.207	621	623	626	rVB2	36038	82008	1.23%	0.081%
12	9.482	643	647	648	rBV	84825	160754	2.42%	0.160%
13	9.505	648	649	650	rVV	110450	84988	1.28%	0.084%
14	9.539	650	652	654	rVV	333322	311316	4.68%	0.309%
15	9.573	654	655	659	rVB4	77854	123715	1.86%	0.123%
16	9.756	670	671	673	rVB	153920	113645	1.71%	0.113%
17	9.813	674	676	678	rBV2	1158198	1266178	19.03%	1.256%
18	9.939	685	687	689	rBV	180960	177538	2.67%	0.176%
19	10.259	711	715	716	rBV	181308	201607	3.03%	0.200%
20	10.488	731	735	737	rBV2	80061	187790	2.82%	0.186%
21	10.522	737	738	740	rBV2	39704	72570	1.09%	0.072%
22	10.602	742	745	748	rVV	1795957	2104470	31.63%	2.088%
23	10.648	748	749	754	rVB4	85309	150693	2.26%	0.150%
24	10.728	754	756	759	rBV	265578	277240	4.17%	0.275%
25	10.853	765	767	771	rVB2	128615	170156	2.56%	0.169%
26	10.922	771	773	775	rBV3	47289	66844	1.00%	0.066%
27	11.013	780	781	783	rVV2	46474	79823	1.20%	0.079%
28	11.105	787	789	791	rVB	64727	75871	1.14%	0.075%
29	11.173	792	795	797	rBV2	90468	130723	1.96%	0.130%
30	11.299	801	806	808	rBV	1089921	1294369	19.45%	1.284%
31	11.333	808	809	810	rVV	381965	404000	6.07%	0.401%
32	11.368	810	812	813	rVV	407549	548042	8.24%	0.544%
33	11.436	817	818	820	rVV	167431	153890	2.31%	0.153%
34	11.528	824	826	830	rBV	252670	368752	5.54%	0.366%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

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-BF042716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.642	835	836	837	rBV	86240	101049	1.52%	0.100%
36	11.676	837	839	844	rVB4	123880	190076	2.86%	0.189%
37	11.802	846	850	851	rBV	255836	345411	5.19%	0.343%
38	11.848	851	854	855	rBV2	165621	203300	3.06%	0.202%
39	11.985	863	866	870	rBV5	351788	579100	8.70%	0.575%
40	12.076	873	874	876	rBV2	51131	74235	1.12%	0.074%
41	12.236	886	888	890	rVB2	94771	118779	1.78%	0.118%
42	12.351	896	898	899	rBV2	83317	138710	2.08%	0.138%
43	12.374	899	900	904	rVB3	121163	189291	2.84%	0.188%
44	12.442	904	906	909	rBV	785167	1077268	16.19%	1.069%
45	12.499	909	911	913	rBV	209873	280691	4.22%	0.279%
46	12.545	913	915	919	rVV4	64962	135087	2.03%	0.134%
47	12.728	929	931	936	rVB	216494	413736	6.22%	0.411%
48	12.888	942	945	947	rBV	2269008	2701481	40.60%	2.680%
49	12.934	947	949	952	rVB3	83617	119409	1.79%	0.118%
50	13.059	958	960	962	rBV3	81194	132554	1.99%	0.132%
51	13.128	964	966	967	rVB2	116633	145788	2.19%	0.145%
52	13.185	967	971	974	rBV5	110303	254196	3.82%	0.252%
53	13.276	978	979	981	rBV2	215671	405575	6.09%	0.402%
54	13.311	981	982	983	rVV	372812	269415	4.05%	0.267%
55	13.391	988	989	992	rVB2	184120	307884	4.63%	0.305%
56	13.791	1021	1024	1028	rBV	624022	982965	14.77%	0.975%
57	13.859	1028	1030	1032	rVB	322969	295314	4.44%	0.293%
58	13.928	1033	1036	1041	rBV2	888765	1349291	20.28%	1.339%
59	14.019	1042	1044	1047	rBV3	113469	179988	2.70%	0.179%
60	14.111	1050	1052	1053	rVB	116459	136981	2.06%	0.136%
61	14.408	1076	1078	1081	rBV	1167768	1636132	24.59%	1.623%
62	14.705	1102	1104	1107	rBV	249362	317778	4.78%	0.315%
63	14.774	1107	1110	1113	rVB	1794681	1906587	28.65%	1.892%
64	14.911	1120	1122	1126	rBV2	259121	706251	10.61%	0.701%
65	14.979	1126	1128	1130	rVV	282125	517585	7.78%	0.514%
66	15.025	1130	1132	1143	rVB	4448053	6558884	98.57%	6.508%
67	15.254	1150	1152	1157	rVB3	273456	470861	7.08%	0.467%
68	15.334	1157	1159	1161	rBV	459606	581726	8.74%	0.577%
69	15.368	1161	1162	1164	rVB	247052	277764	4.17%	0.276%
70	15.597	1180	1182	1186	rBV2	180771	261962	3.94%	0.260%
71	15.677	1186	1189	1195	rVV	431853	931553	14.00%	0.924%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

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-BF042716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.780	1195	1198	1201	rVV	3397763	5836465	87.71%	5.791%
73	15.825	1201	1202	1205	rVB	387093	415727	6.25%	0.412%
74	16.020	1216	1219	1224	rVB2	1001812	2049091	30.79%	2.033%
75	16.740	1279	1282	1284	rVB2	313042	624795	9.39%	0.620%
76	16.797	1284	1287	1289	rBV	596821	1136970	17.09%	1.128%
77	16.843	1289	1291	1293	rVV2	149172	239093	3.59%	0.237%
78	17.003	1302	1305	1309	rVB2	365811	896268	13.47%	0.889%
79	17.254	1320	1327	1328	rBV	2146008	6033293	90.67%	5.986%
80	17.425	1339	1342	1348	rVB2	635384	1596363	23.99%	1.584%
81	17.540	1348	1352	1354	rVV2	311900	842368	12.66%	0.836%
82	17.665	1358	1363	1368	rVV	1410696	5353394	80.45%	5.312%
83	17.757	1368	1371	1375	rVB3	972752	2534878	38.09%	2.515%
84	17.894	1380	1383	1386	rVV2	216647	482098	7.24%	0.478%
85	17.985	1386	1391	1399	rVV2	1374805	6654328	100.00%	6.603%
86	18.111	1399	1402	1404	rVV2	503771	1248735	18.77%	1.239%
87	18.168	1404	1407	1413	rVV2	624579	1882952	28.30%	1.868%
88	18.271	1413	1416	1425	rVB4	267384	893146	13.42%	0.886%
89	18.431	1426	1430	1431	rBV	169387	417294	6.27%	0.414%
90	18.511	1432	1437	1442	rVB3	324631	1265402	19.02%	1.256%
91	18.968	1472	1477	1484	rVB	370979	1316896	19.79%	1.307%
92	19.128	1486	1491	1499	rVB	729329	2412545	36.26%	2.394%

Sum of corrected areas: 100784196

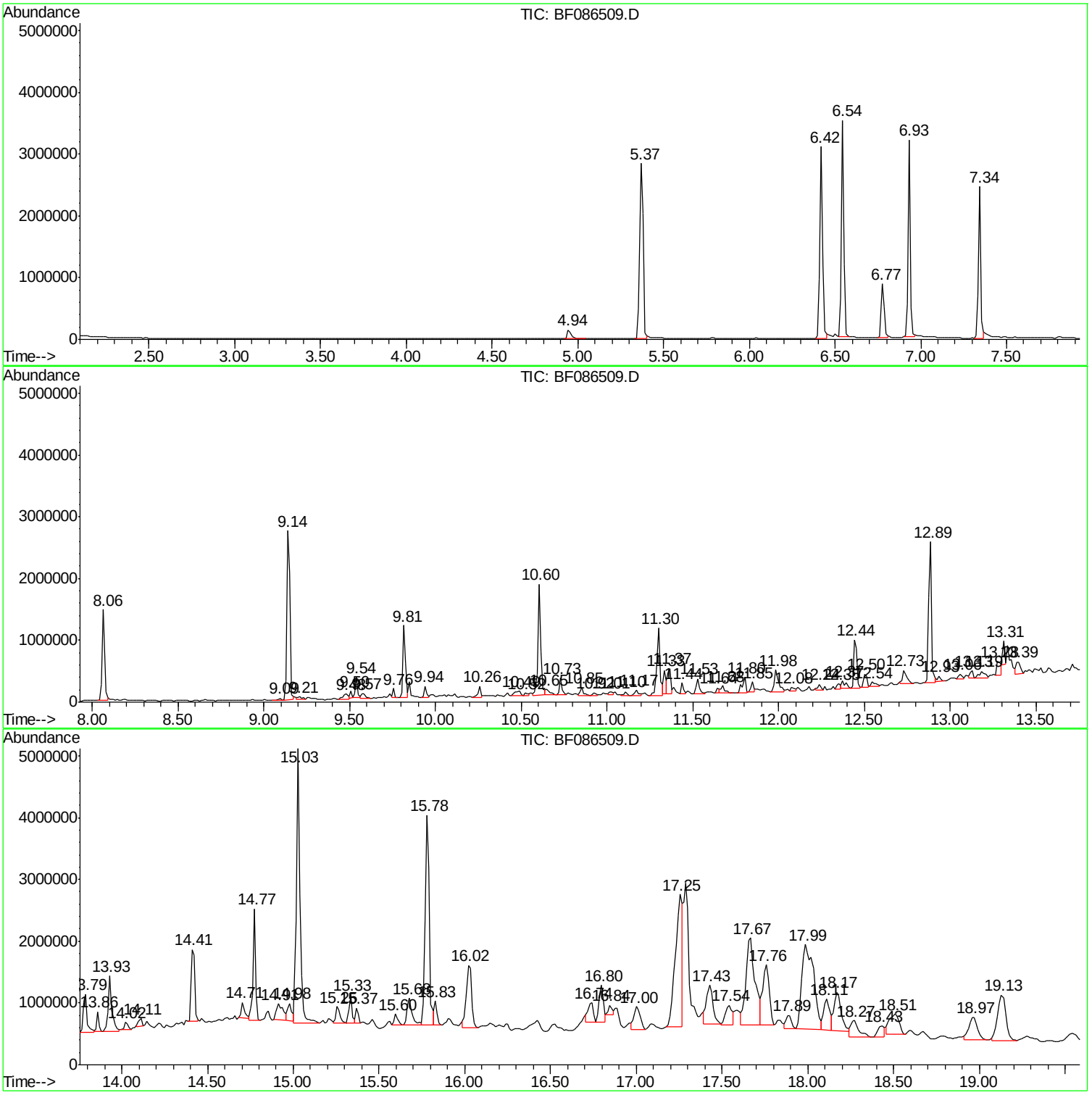
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

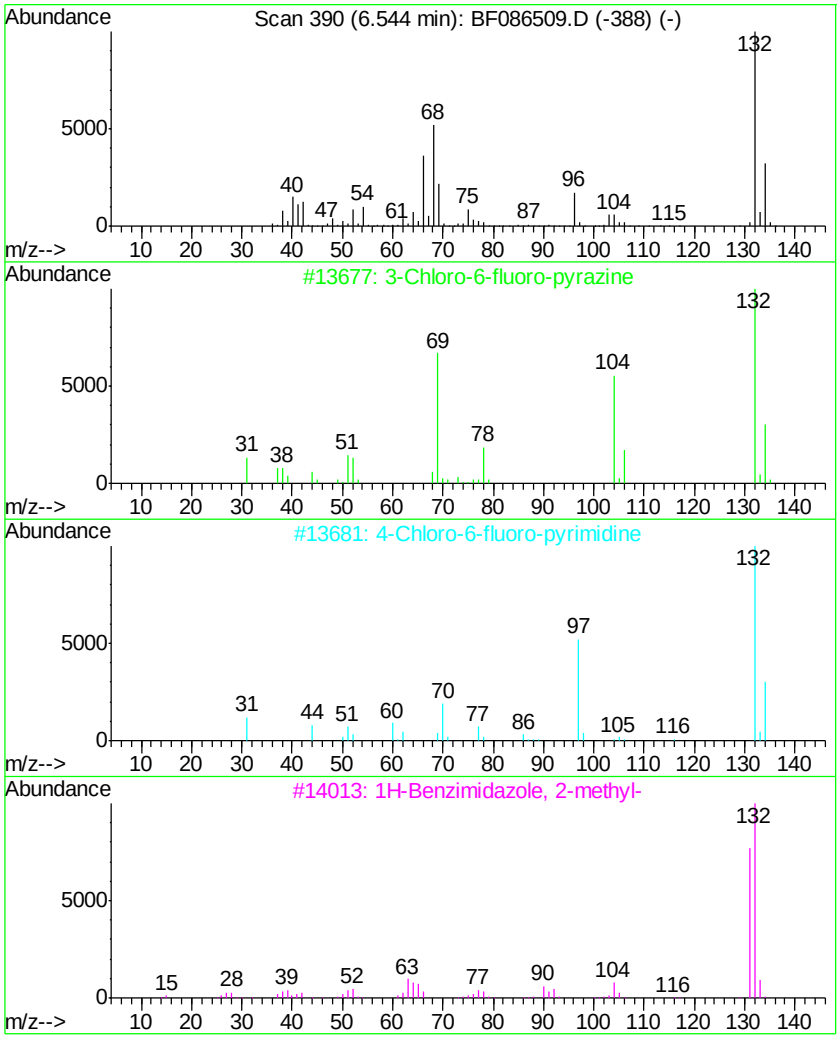
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

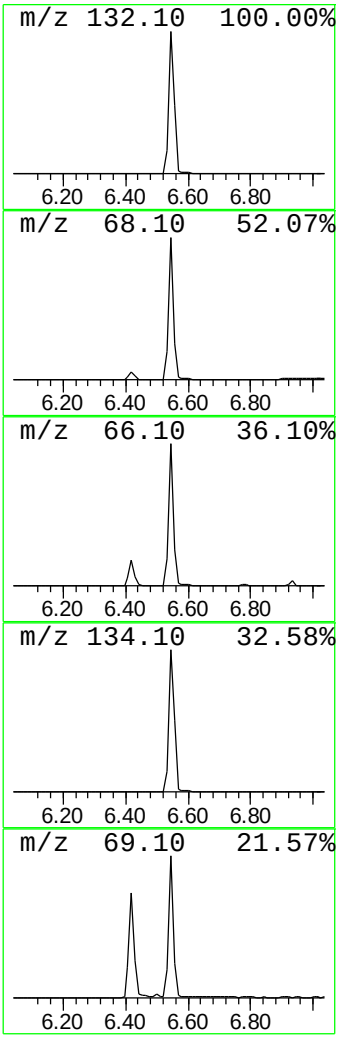
****

Peak Number 1 unknown6.54 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	71.88 ng	3652940	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

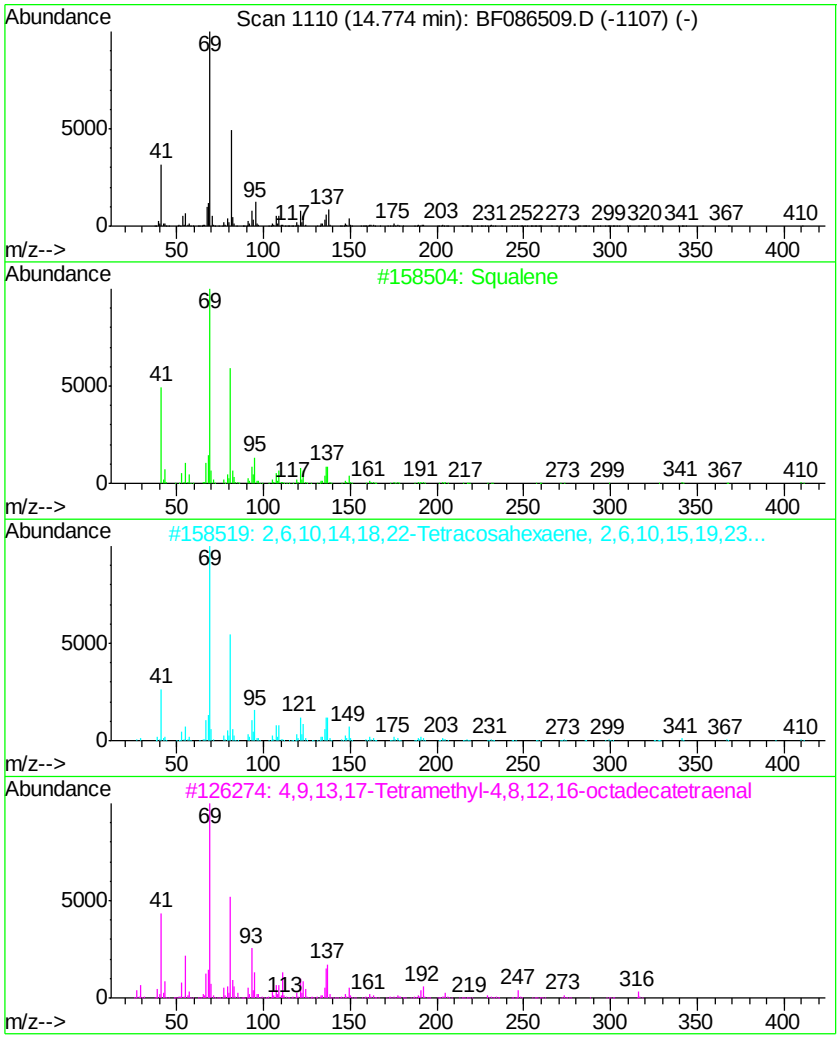
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

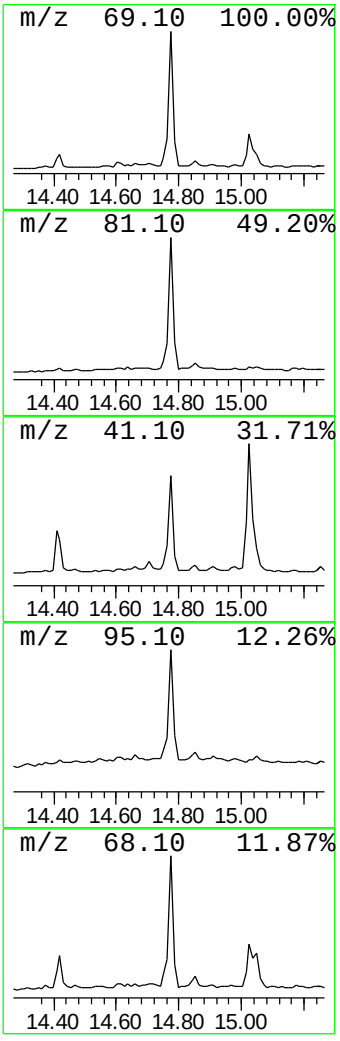
****

Peak Number 3 Squalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	65.55 ng	1906590	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	91
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	91
3	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	83
4	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	74
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	264	C17H28O2	004128-17-0	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

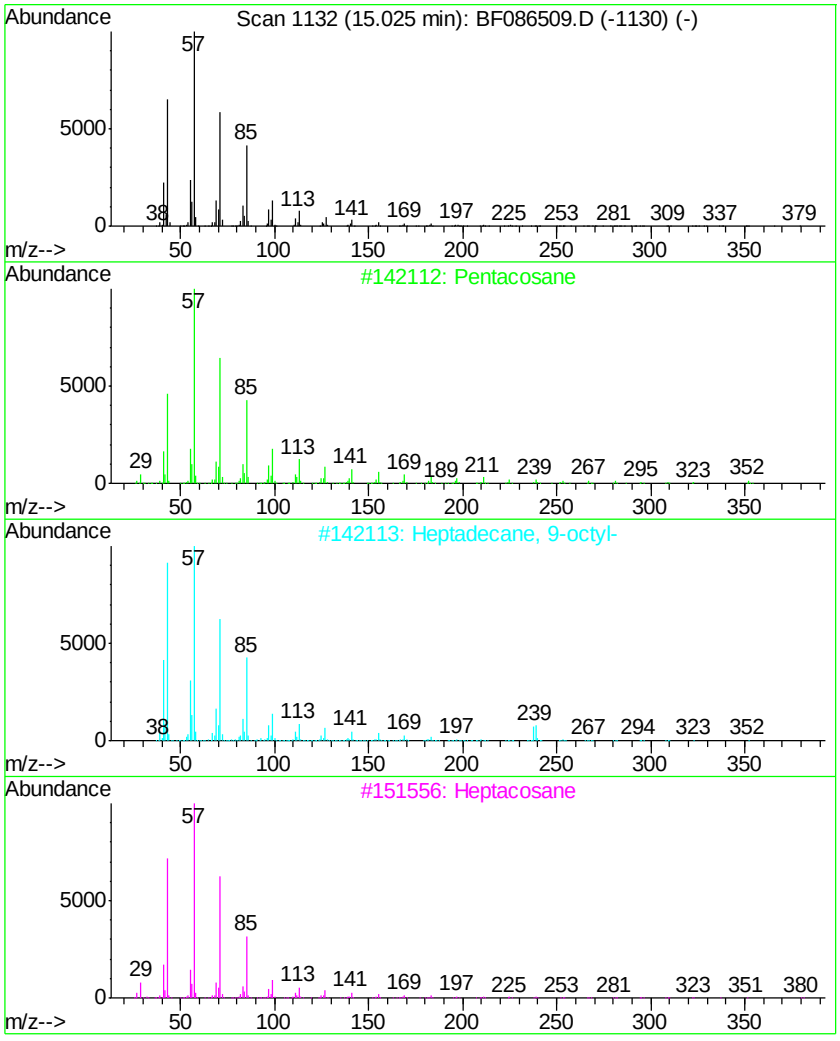
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

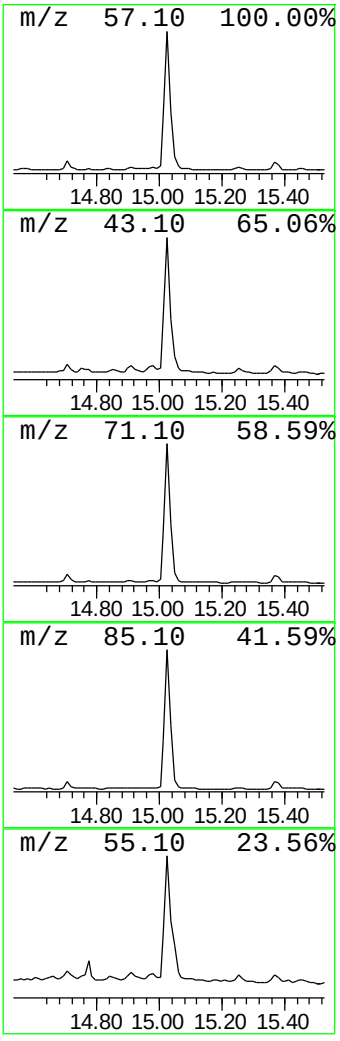
****

Peak Number 4 Pentacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	225.50 ng	6558880	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	97
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
3	Heptacosane	380	C27H56	000593-49-7	91
4	Tetratriacontane	479	C34H70	014167-59-0	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

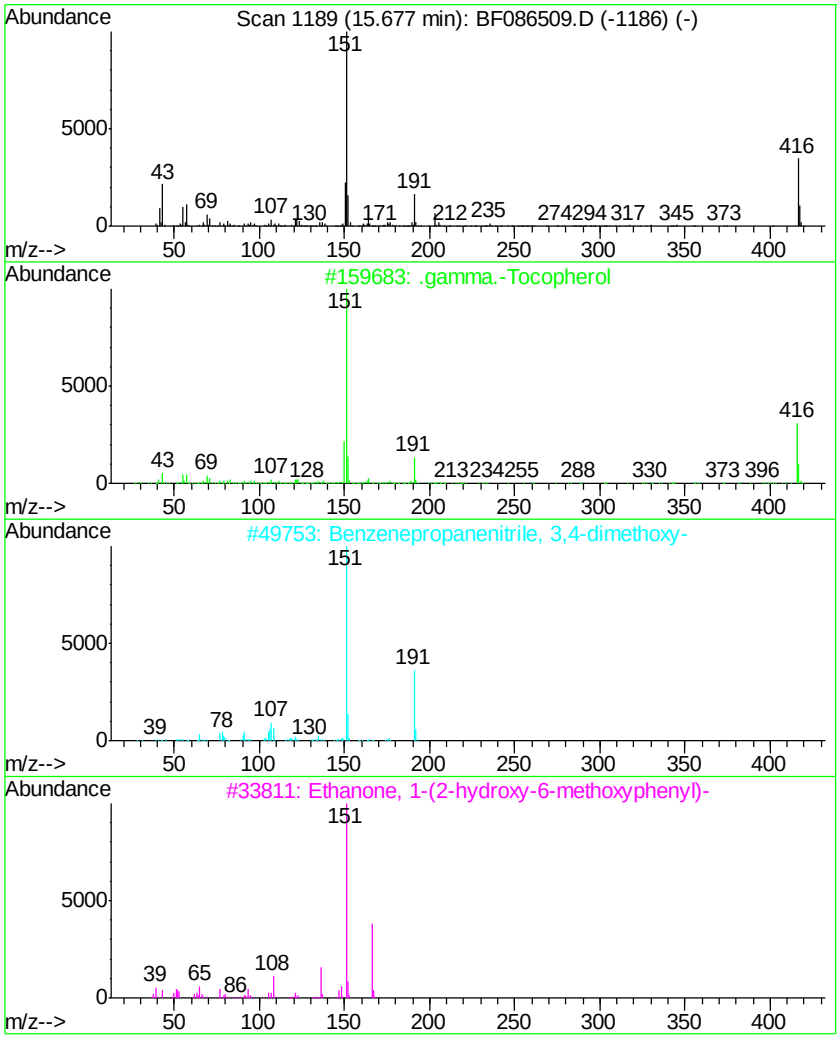
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

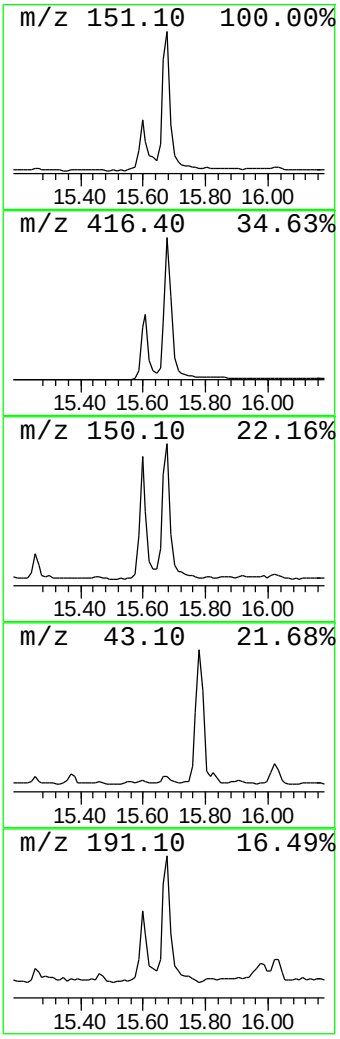
****

Peak Number 5 .gamma.-Tocopherol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	32.03 ng	931553	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Tocopherol	416	C28H48O2	007616-22-0	99
2	Benzenepropanenitrile, 3,4-dimet...	191	C11H13NO2	049621-56-9	53
3	Ethanone, 1-(2-hydroxy-6-methoxy...	166	C9H10O3	000703-23-1	43
4	Dimethyl-(isopropyl)-silyloxyben...	194	C11H18OSi	062790-74-3	43
5	3,4-Dihydro-3,5,8-trimethyl-3-(4...	458	C30H50O3	1000105-71-9	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

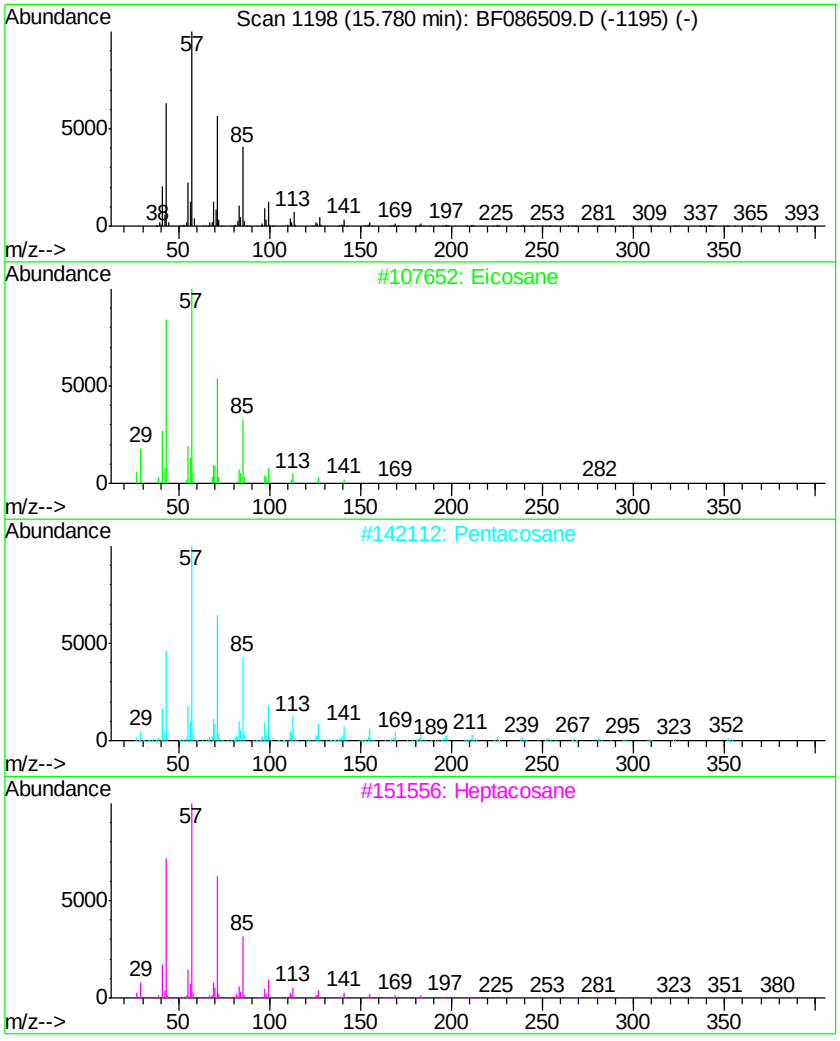
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

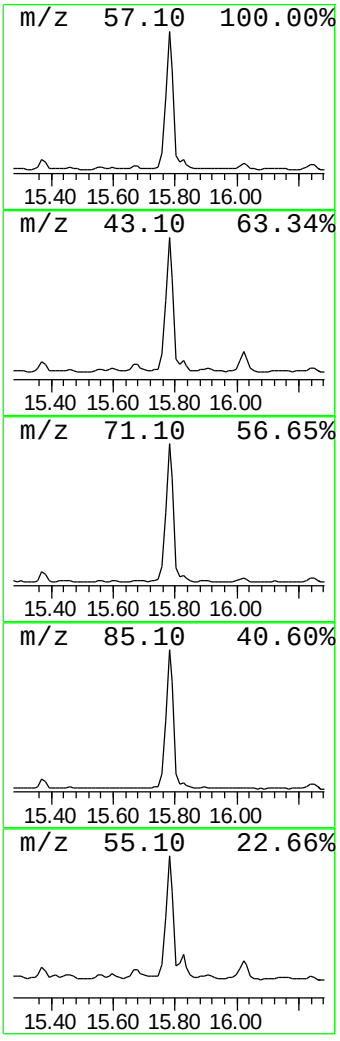
****

Peak Number 6 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	200.66 ng	5836470	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Pentacosane	352	C25H52	000629-99-2	95
3	Heptacosane	380	C27H56	000593-49-7	91
4	Hexatriacontane	507	C36H74	000630-06-8	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

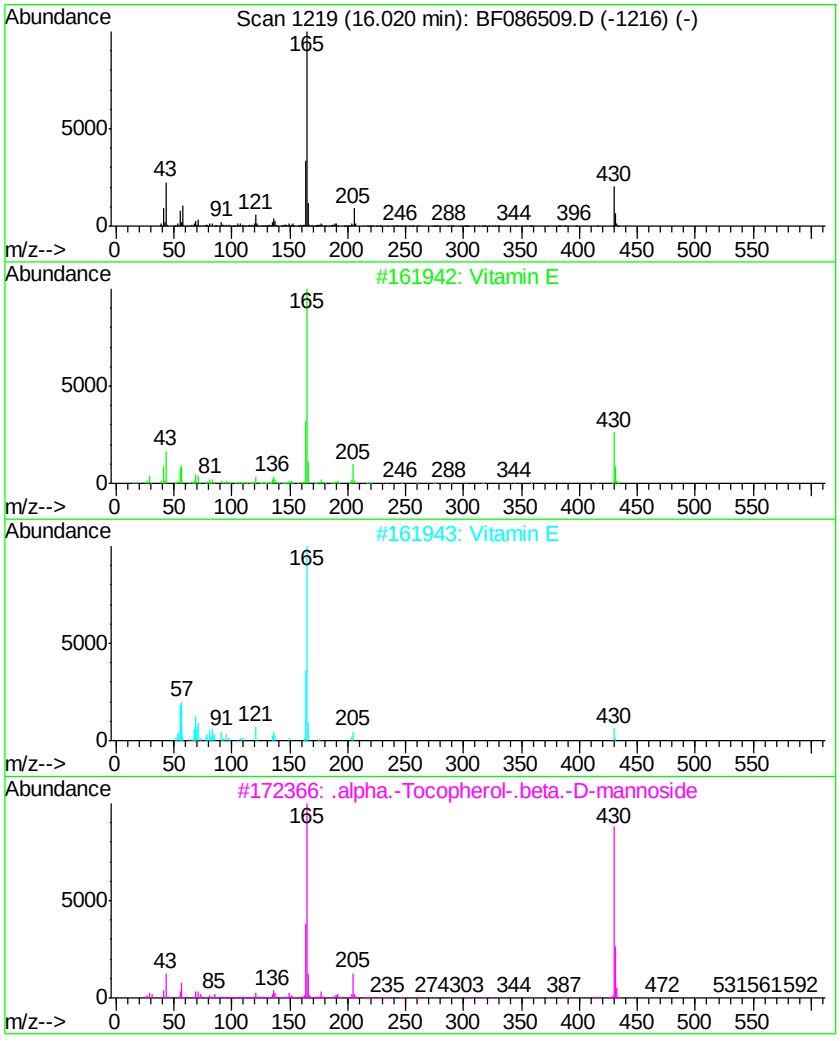
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

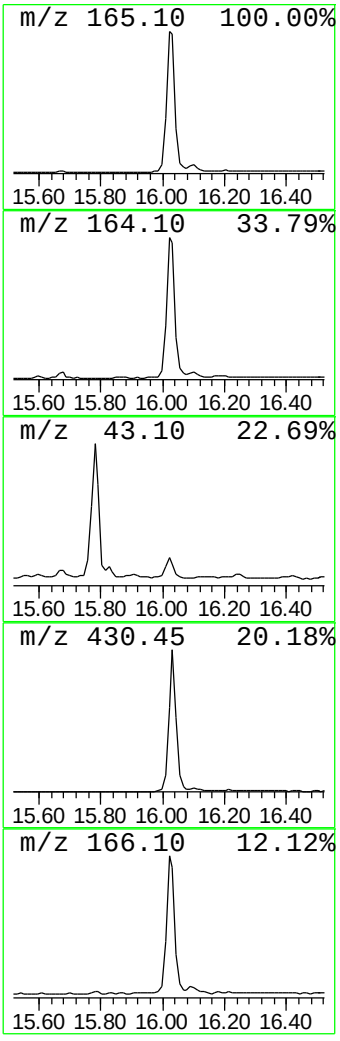
****

Peak Number 7 Vitamin E Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	70.45 ng	2049090	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vitamin E	430	C29H50O2	010191-41-0	95
2	Vitamin E	430	C29H50O2	000059-02-9	94
3	.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1000156-68-2	91
4	4-Amino-3-methoxypyrazolo[3,4-d]...	165	C6H7N5O	111375-22-5	59
5	Benzenamine, 3-methoxy-2,4,6-tri...	165	C10H15NO	034874-88-9	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

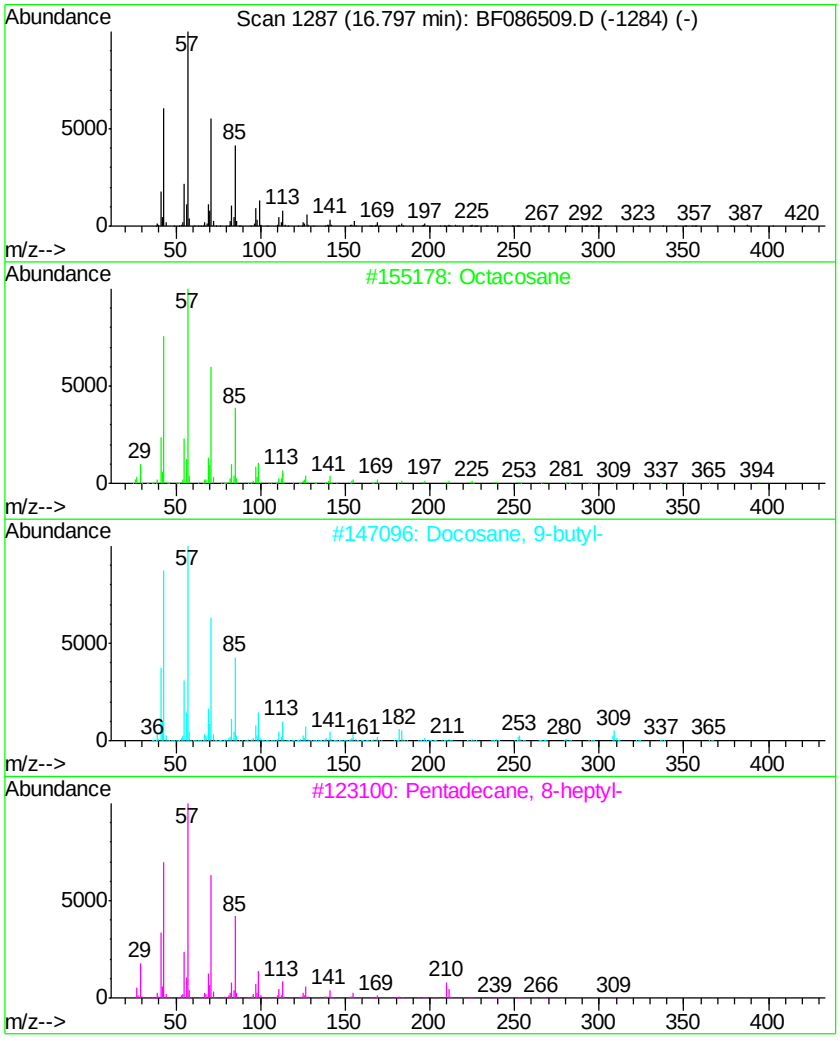
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

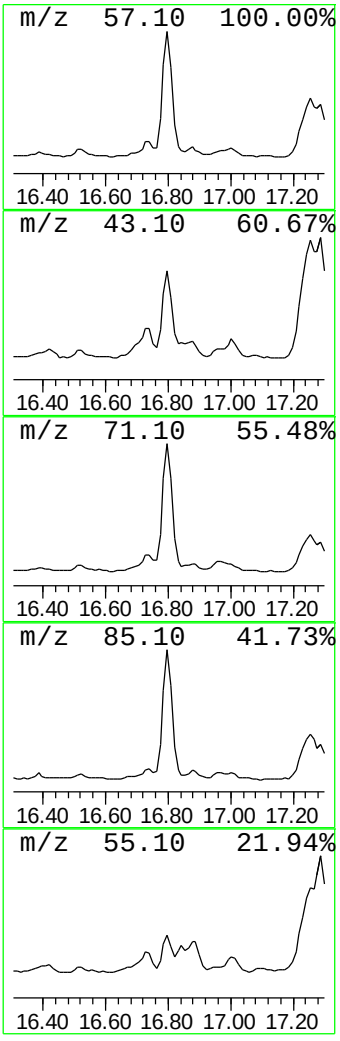
****

Peak Number 8 Octacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	39.09 ng	1136970	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Docosane, 9-butyl-	366	C26H54	055282-14-9	91
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Heptacosane	380	C27H56	000593-49-7	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

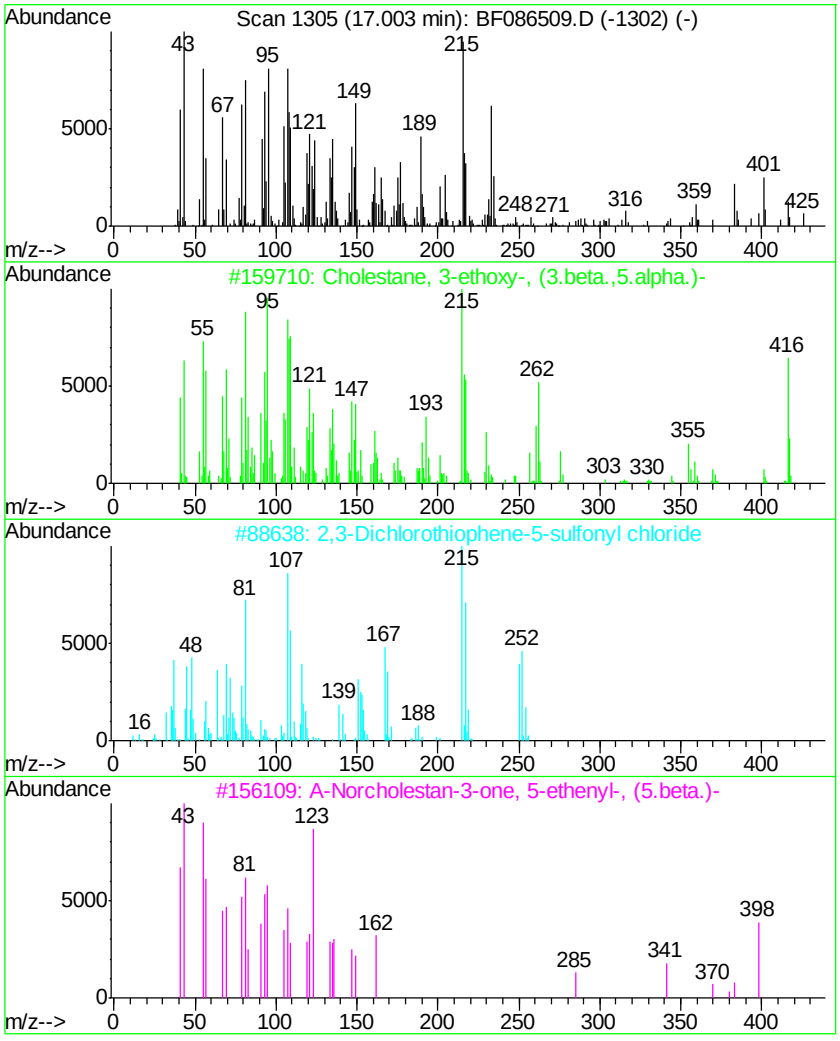
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

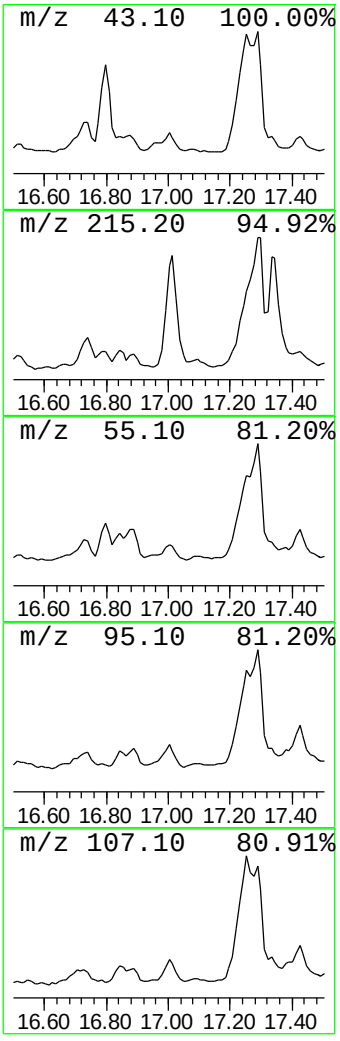
****

Peak Number 9 Cholestane, 3-ethoxy-, (3.b... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	30.81 ng	896268	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestane, 3-ethoxy-, (3.beta.,...	416	C29H52O	002089-02-3	70
2	2,3-Dichlorothiophene-5-sulfonyl...	250	C4HCl3O2S2	126714-85-0	38
3	A-Norcholestan-3-one, 5-ethenyl-...	398	C28H46O	019594-90-2	30
4	Piperazine, 1-(4-amino-6,7-dimet...	383	C19H21N5O4	019216-56-9	30
5	Tetrahydrosmilagenin	420	C27H48O3	1000255-29-0	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

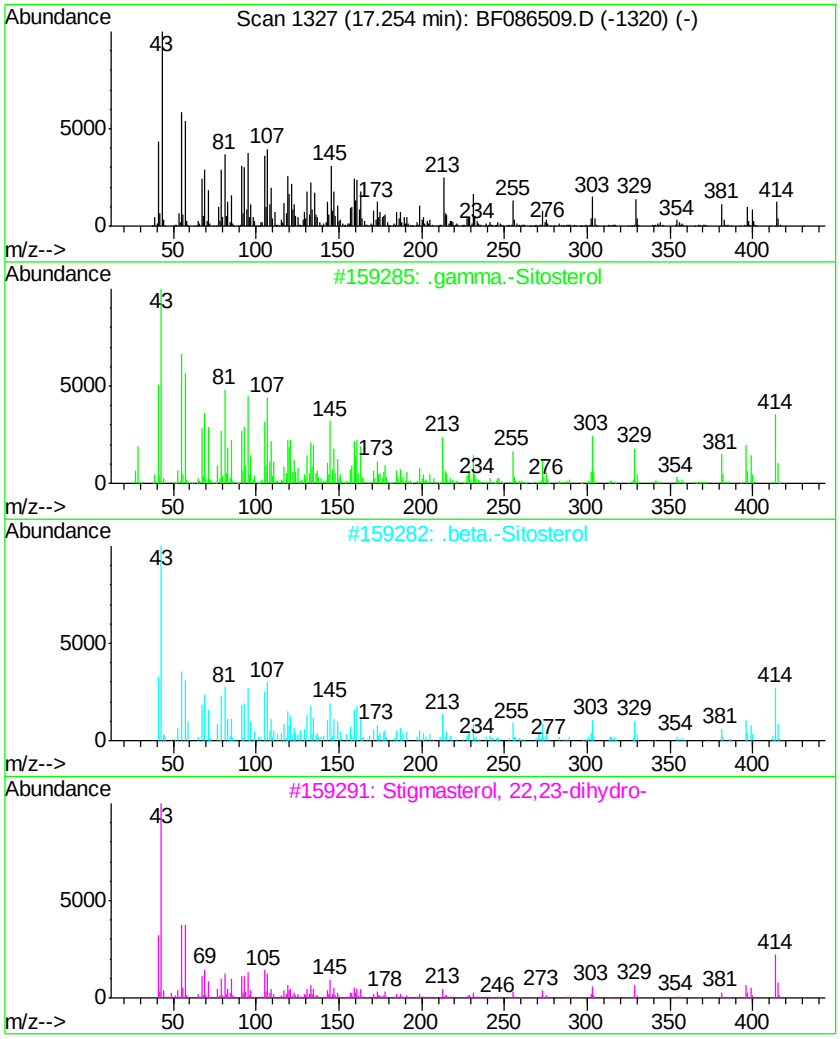
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

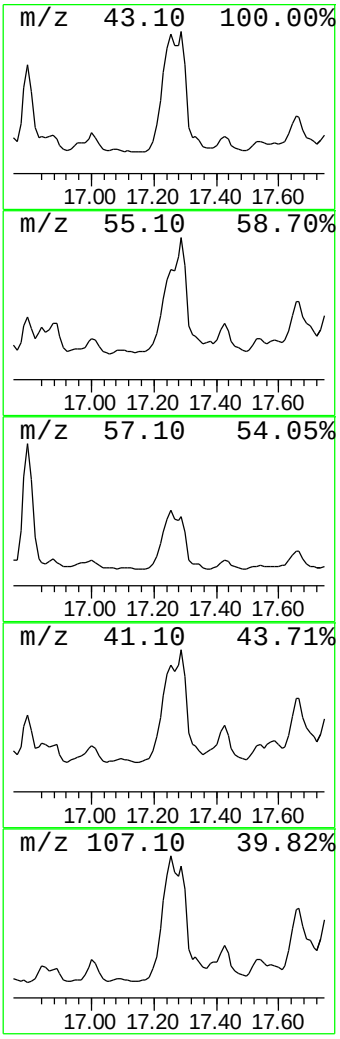
****

Peak Number 10 .gamma.-Sitosterol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	207.43 ng	6033290	Perylene-d12	15.33

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	94
3	Stigmasterol, 22,23-dihydro-	414	C29H50O	1000214-20-7	90
4	Ergost-7-en-3-ol, (3.beta.)-	400	C28H48O	026047-31-4	70
5	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

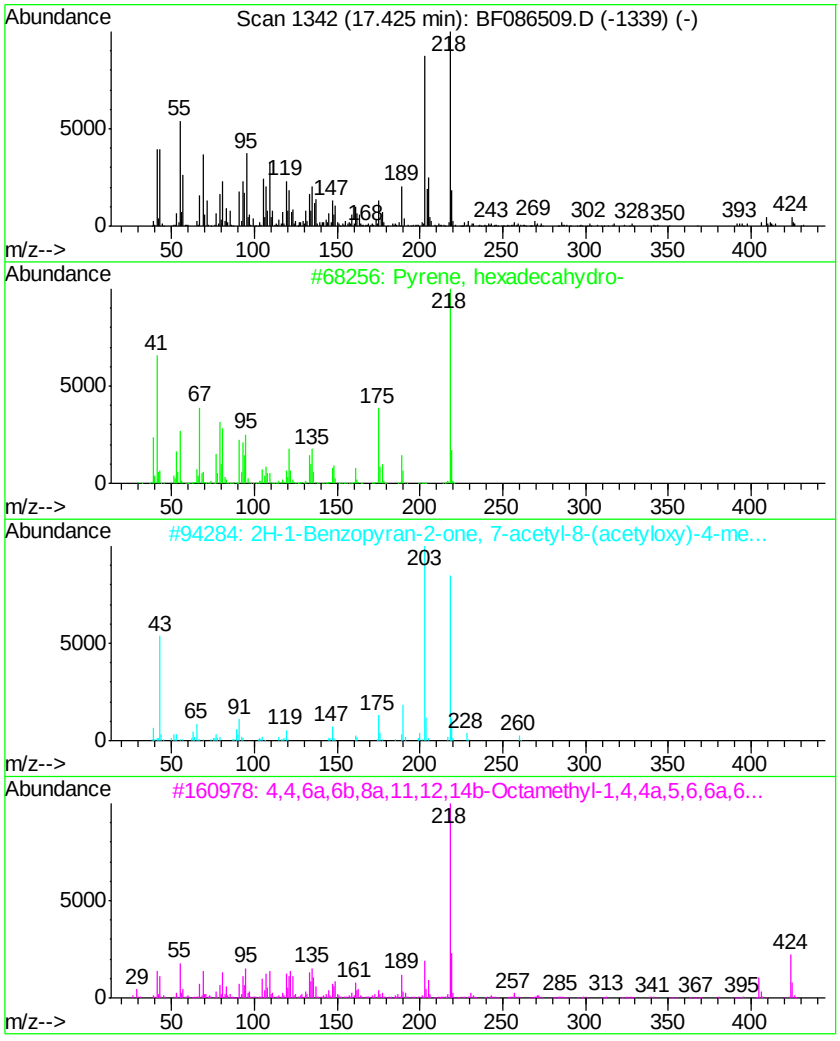
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

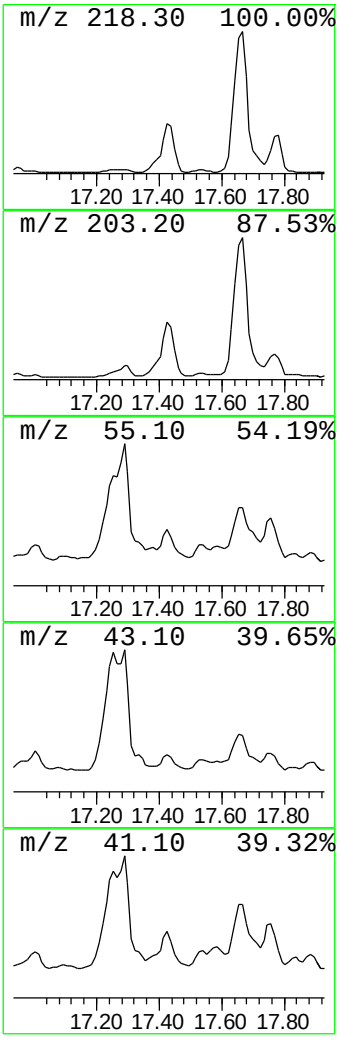
****

Peak Number 11 Pyrene, hexadecahydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	54.88 ng	1596360	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, hexadecahydro-	218	C16H26	002435-85-0	55
2	2H-1-Benzopyran-2-one, 7-acetyl-...	260	C14H12O5	129812-32-4	47
3	4,4,6a,6b,8a,11,12,14b-Octamethy...	424	C30H48O	1000194-64-2	45
4	8-Amino-6,7-dimethoxy-4-methylqu...	218	C12H14N2O2	1000213-07-2	43
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

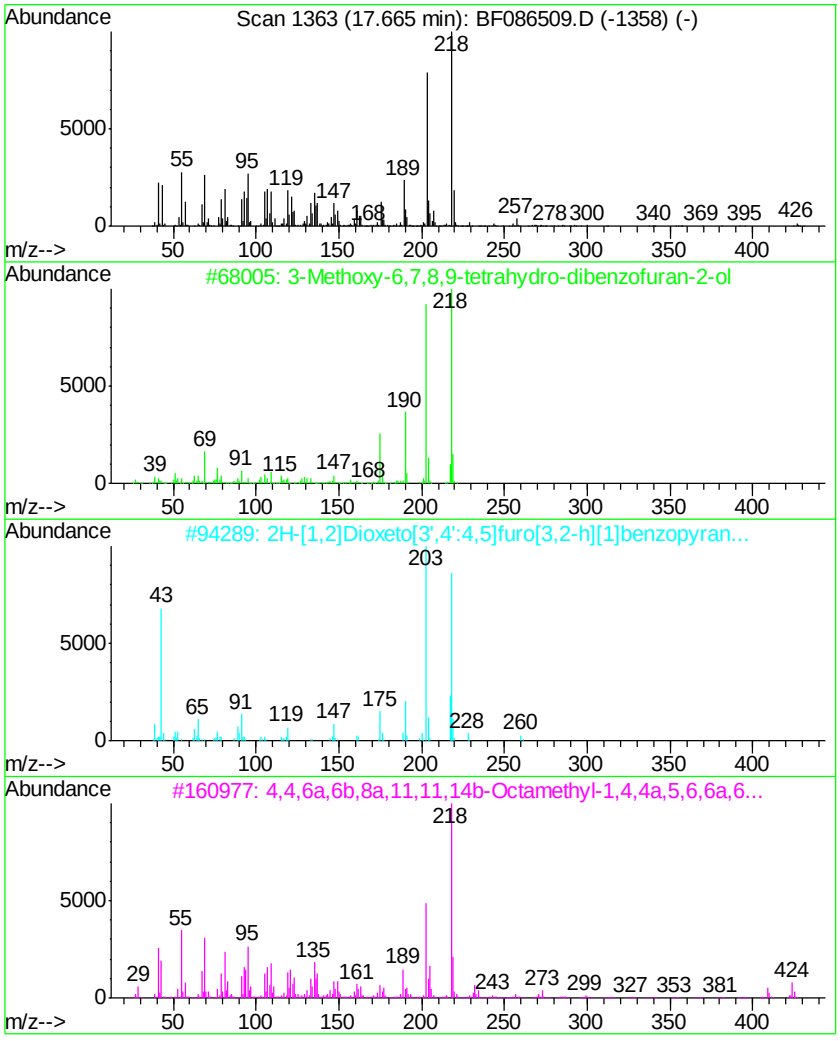
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

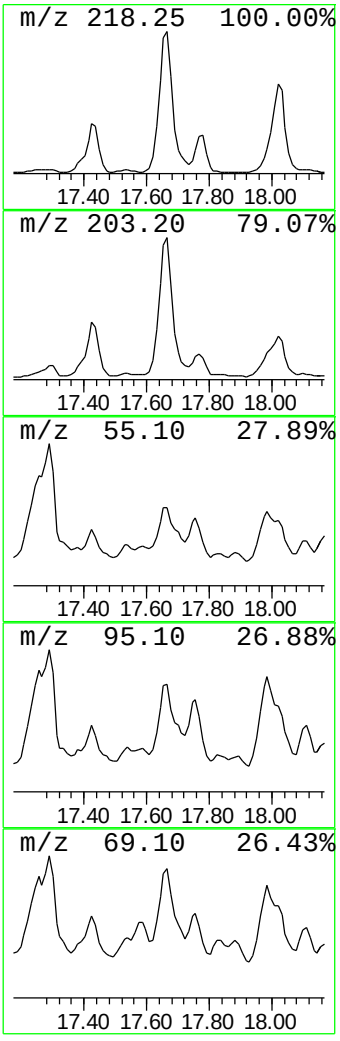
****

Peak Number 12 3-Methoxy-6,7,8,9-tetrahydr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	184.05 ng	5353390	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	68
2	2H-[1,2]Dioxeto[3',4':4,5]furo[3...	260	C14H12O5	129833-00-7	64
3	4,4,6a,6b,8a,11,11,14b-Octamethy...	424	C30H48O	1000194-62-4	60
4	2H-1-Benzopyran-2-one, 6-acetyl-...	260	C14H12O5	129812-31-3	59
5	.beta.-Amyrin	426	C30H50O	000559-70-6	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

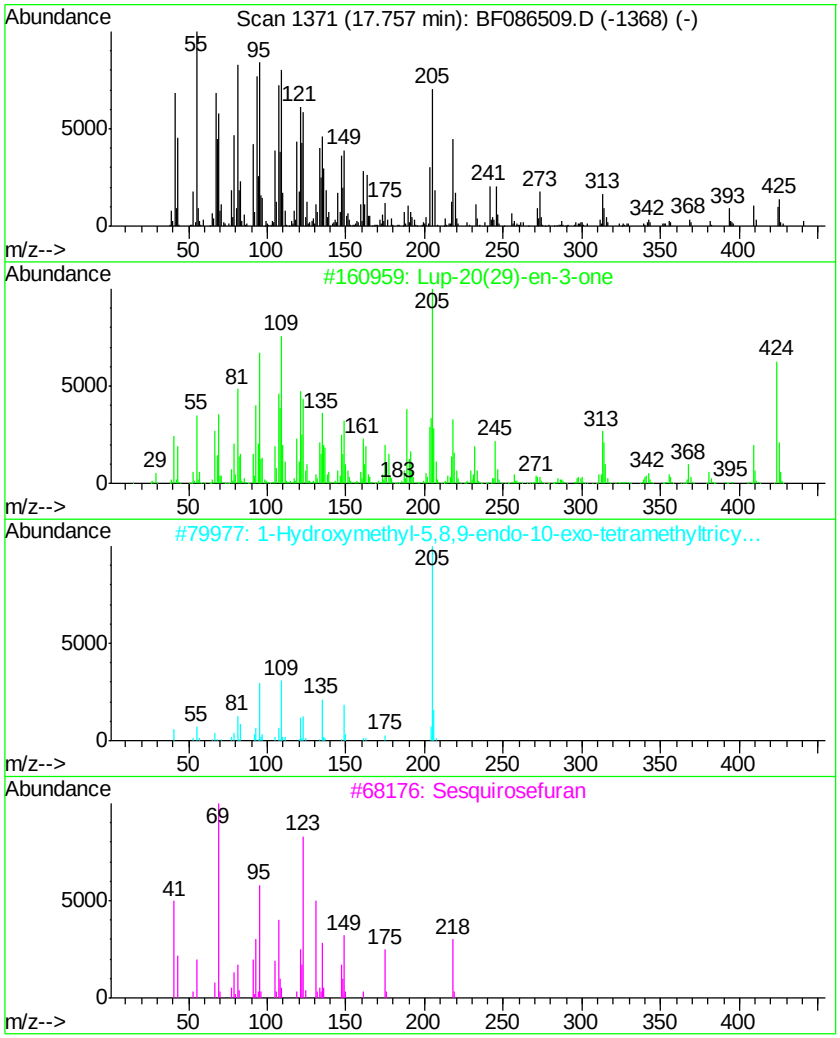
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

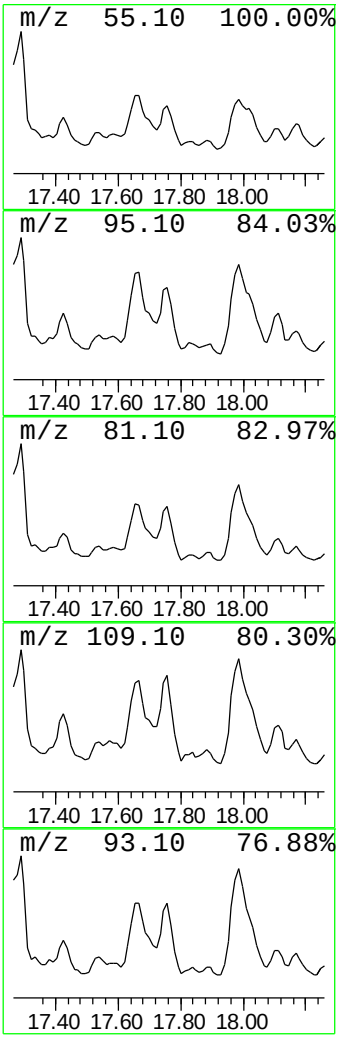
****

Peak Number 13 Lup-20(29)-en-3-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	87.15 ng	2534880	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	50
2	1-Hydroxymethyl-5,8,9-endo-10-ex...	236	C16H28O	1000140-32-9	50
3	Sesquirosefuran	218	C15H22O	039007-93-7	43
4	2,6,6,9,2',6',6',9'-Octamethyl-[...	410	C30H50	1000189-48-2	35
5	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

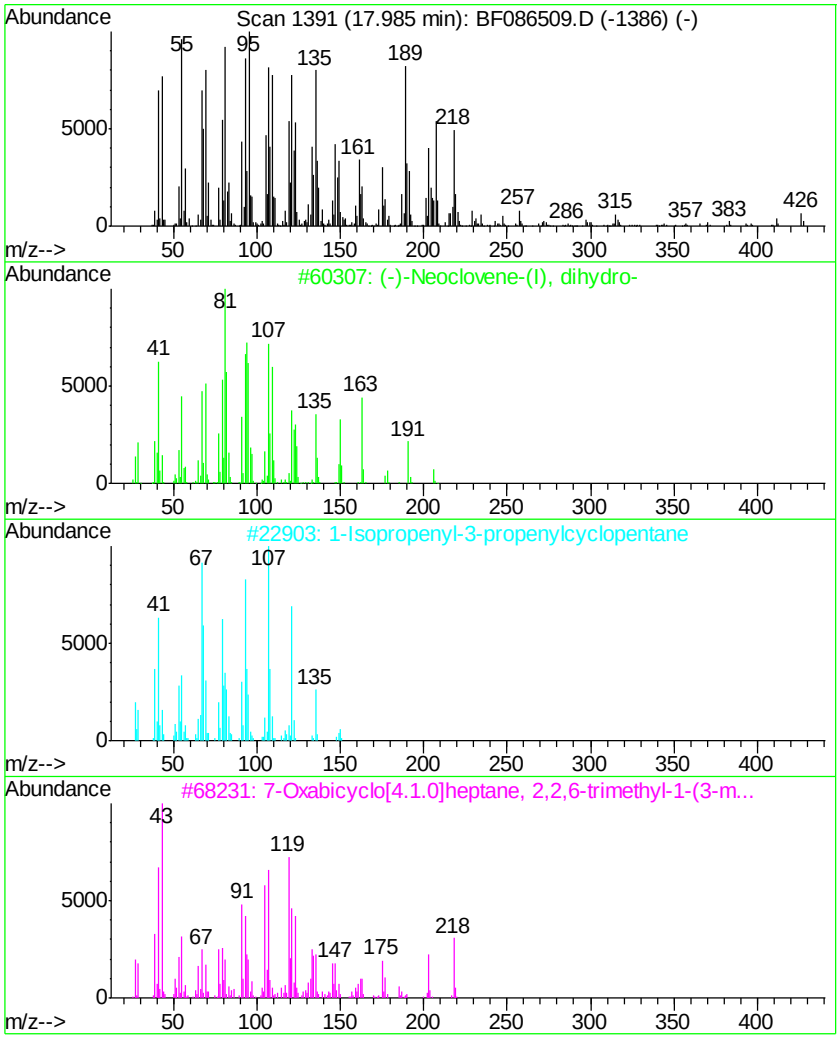
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

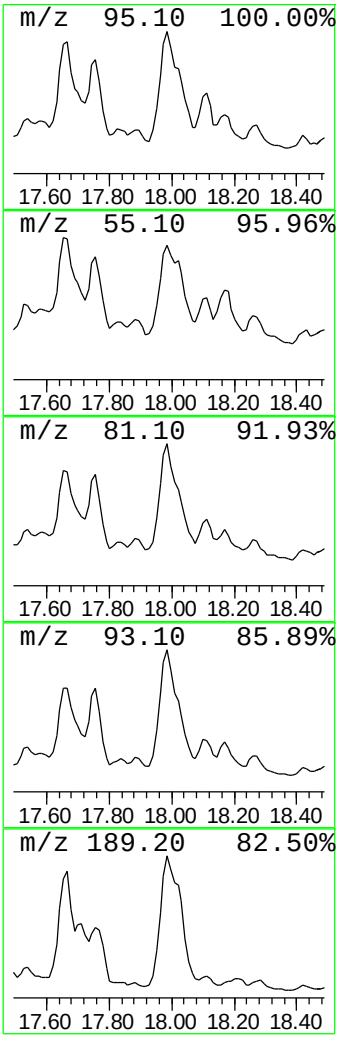
****

Peak Number 14 (-)-Neoclovene-(I), dihydro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	228.78 ng	6654330	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(-)-Neoclovene-(I), dihydro-	206	C15H26	1000152-82-1	50
2	1-Isopropenyl-3-propenylcyclopen...	150	C11H18	1000192-81-2	44
3	7-Oxabicyclo[4.1.0]heptane, 2,2,...	218	C15H22O	070038-20-9	38
4	Longifolenaldehyde	220	C15H24O	019890-84-7	38
5	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

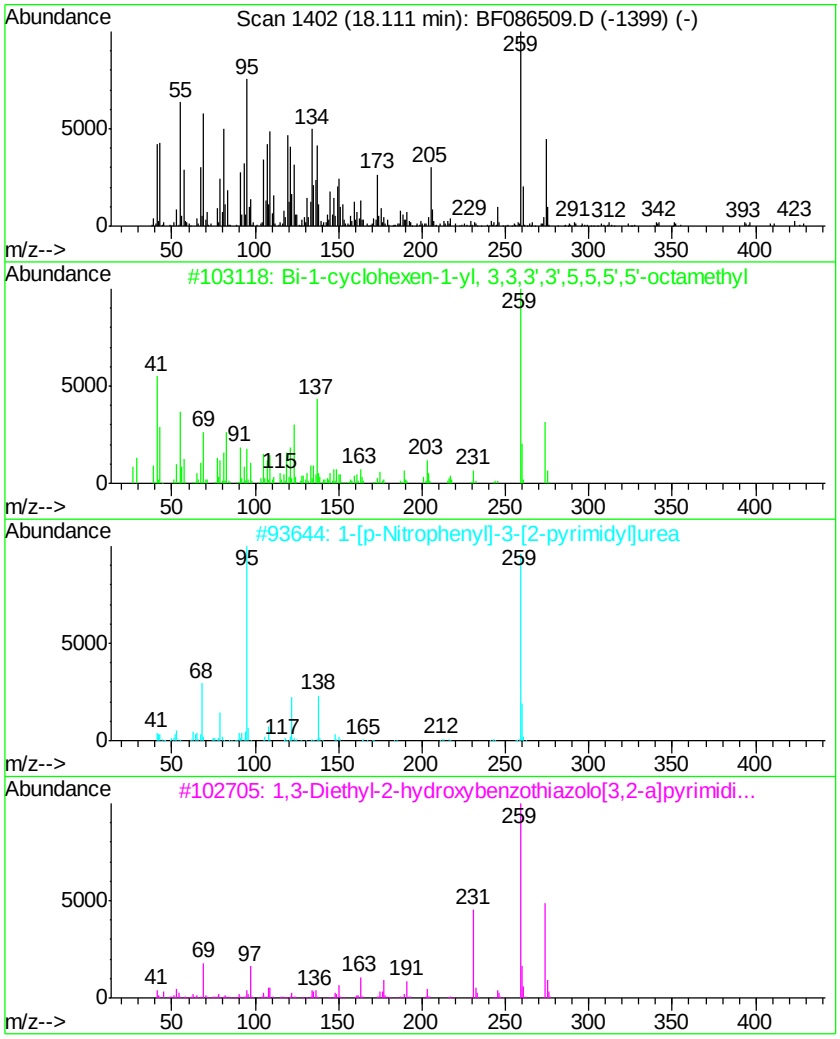
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

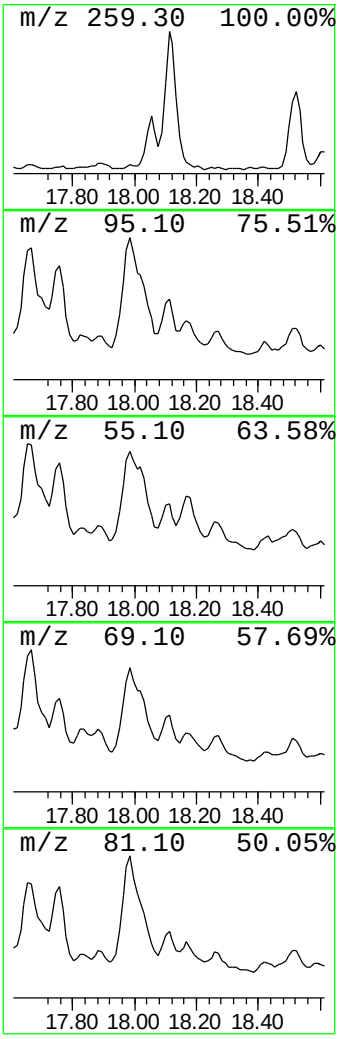
****

Peak Number 15 Bi-1-cyclohexen-1-yl, 3,3,3... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	42.93 ng	1248740	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bi-1-cyclohexen-1-yl, 3,3,3',3',...	274	C20H34	076993-52-7	64
2	1-[p-Nitrophenyl]-3-[2-pyrimidyl...	259	C11H9N5O3	023656-31-7	42
3	1,3-Diethyl-2-hydroxybenzothiazo...	274	C14H14N2O2S	1000227-15-3	30
4	2-Cyclohexene-1-carboxaldehyde, ...	220	C15H24O	056772-07-7	25
5	Naphthalene, 2-methyl-1-(3,4-dim...	274	C20H18O	1000269-03-0	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

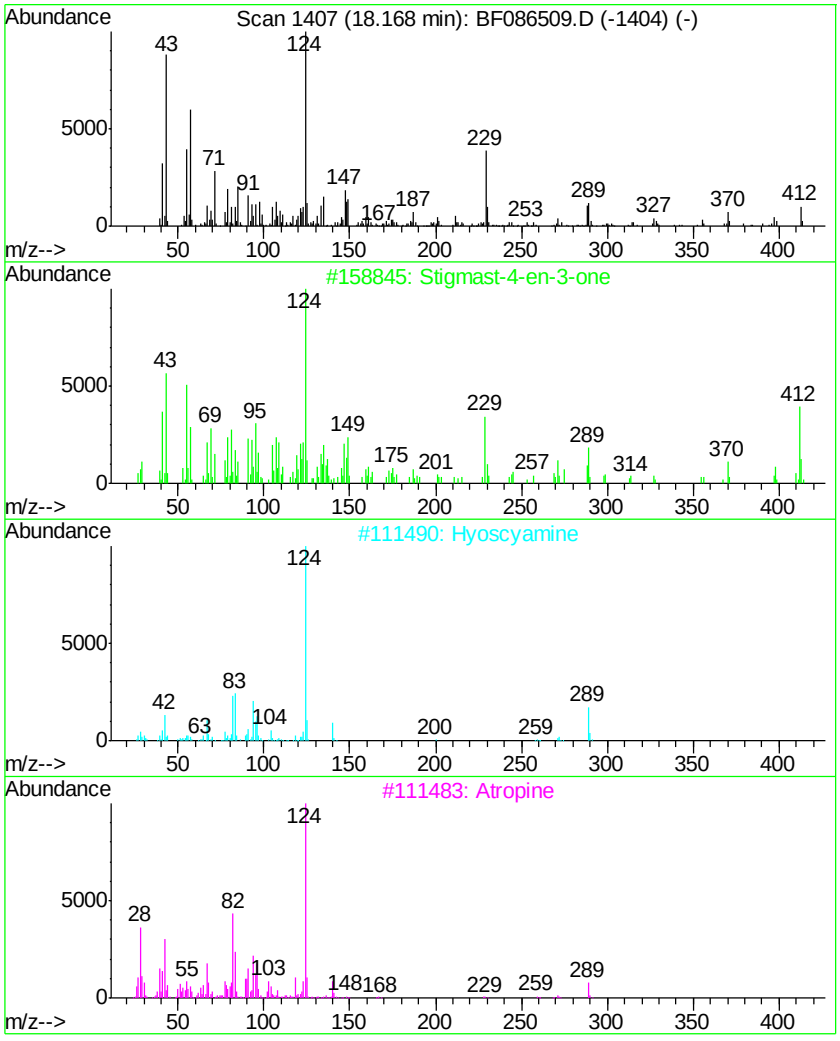
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

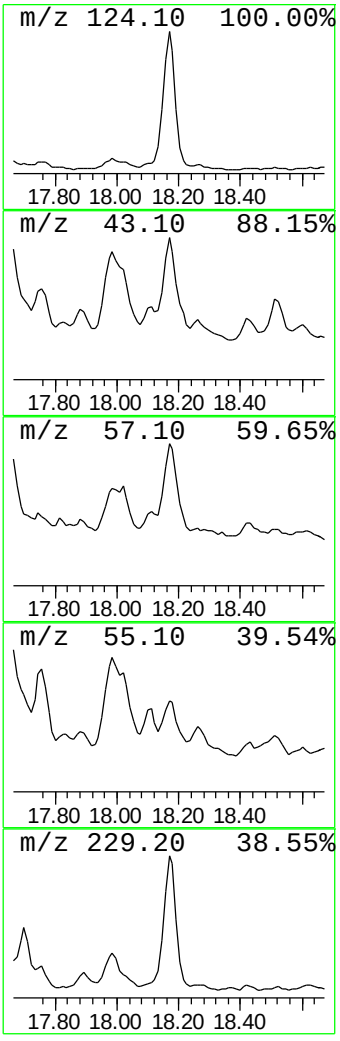
****

Peak Number 16 unknown18.17 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	64.74 ng	1882950	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	49
2	Hyoscyamine	289	C17H23NO3	000101-31-5	38
3	Atropine	289	C17H23NO3	000051-55-8	38
4	Testosterone	288	C19H28O2	000058-22-0	38
5	3,5-Dihydroxytoluene	124	C7H8O2	000504-15-4	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

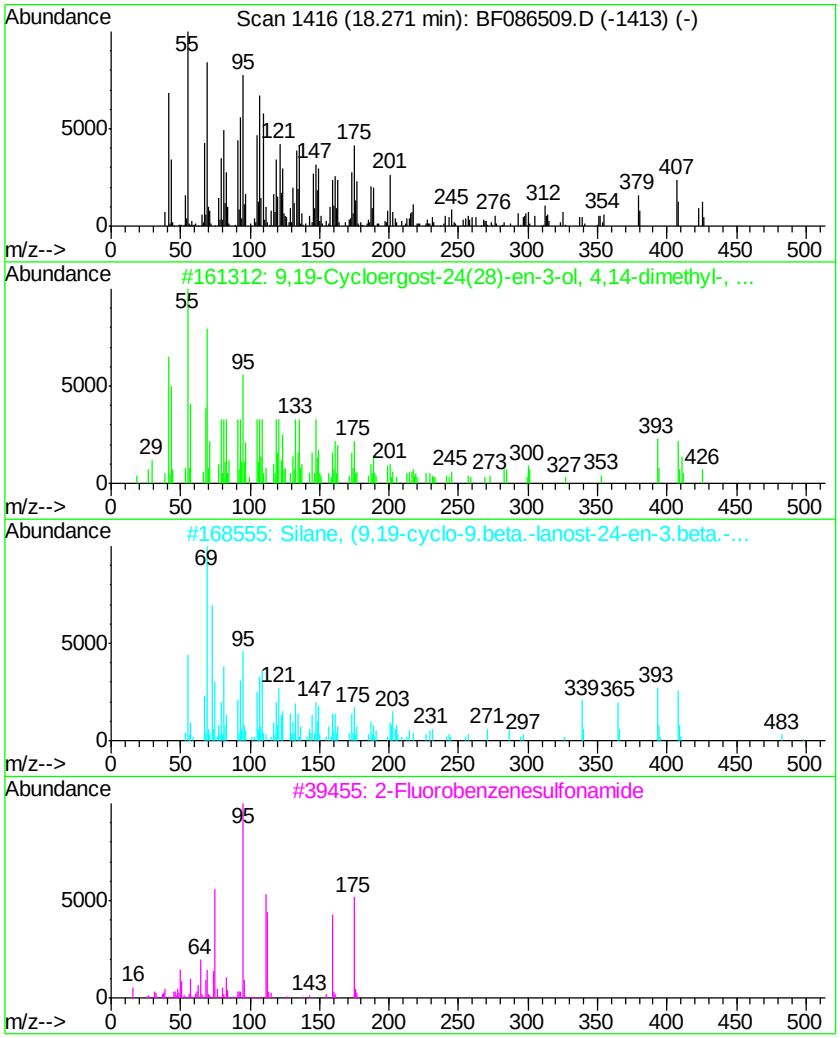
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

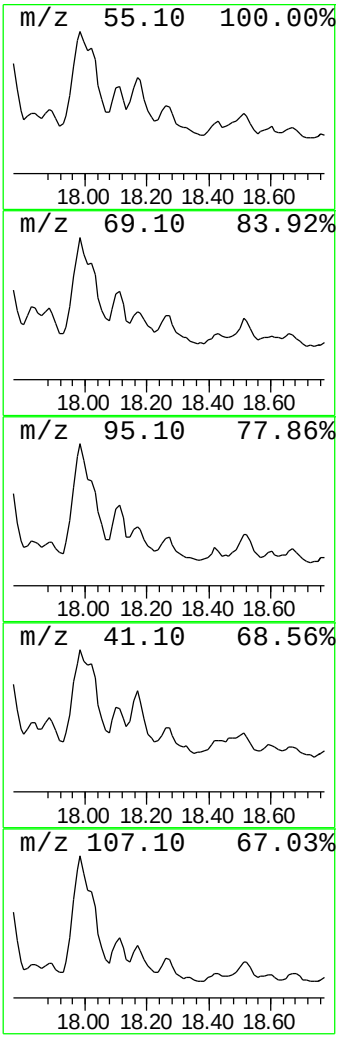
****

Peak Number 17 9,19-Cycloergost-24(28)-en-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	30.71 ng	893146	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,19-Cycloergost-24(28)-en-3-ol,...	426	C30H50O	000469-39-6	50
2	Silane, (9,19-cyclo-9.beta.-lano...	498	C33H58OSi	017608-55-8	35
3	2-Fluorobenzenesulfonamide	175	C6H6FNO2S	1000298-17-2	16
4	2,5-Cyclohexadiene-1,4-dione, 2-...	312	C21H28O2	039707-56-7	10
5	trans-2-Ethyl-2-hexen-1-ol	128	C8H16O	1000139-52-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

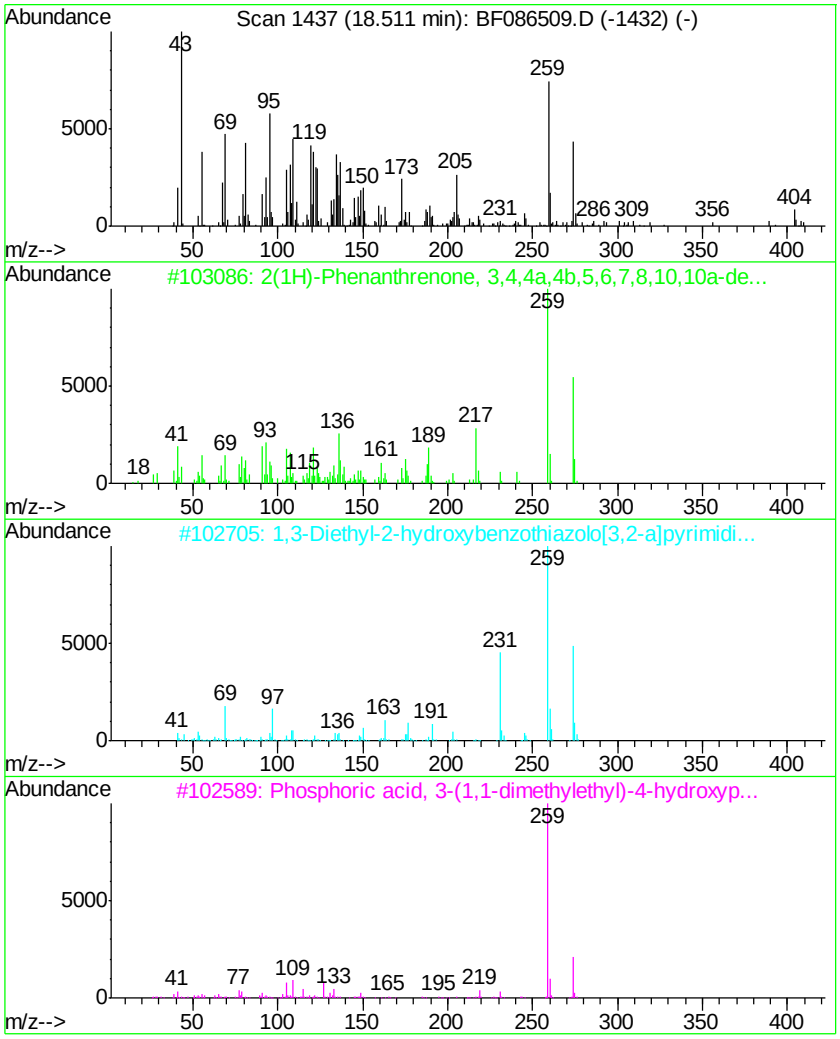
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

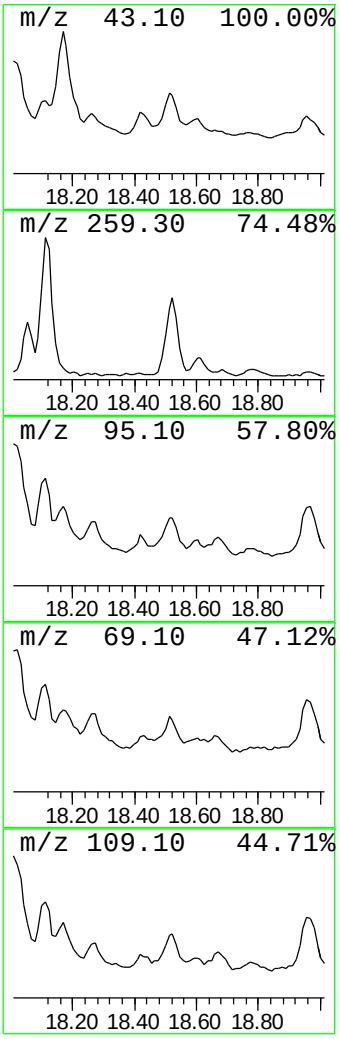
****

Peak Number 18 2(1H)-Phenanthrenone, 3,4,4... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	43.51 ng	1265400	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Phenanthrenone, 3,4,4a,4b,...	274	C19H30O	007715-44-8	94
2	1,3-Diethyl-2-hydroxybenzothiazo...	274	C14H14N2O2S	1000227-15-3	38
3	Phosphoric acid, 3-(1,1-dimethyl...	274	C12H19O5P	094420-61-8	35
4	10H-Phenoxaphosphine, 2-ethyl-10...	274	C15H15O3P	036360-91-5	30
5	1-[p-Nitrophenyl]-3-[2-pyrimidyl...	259	C11H9N5O3	023656-31-7	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

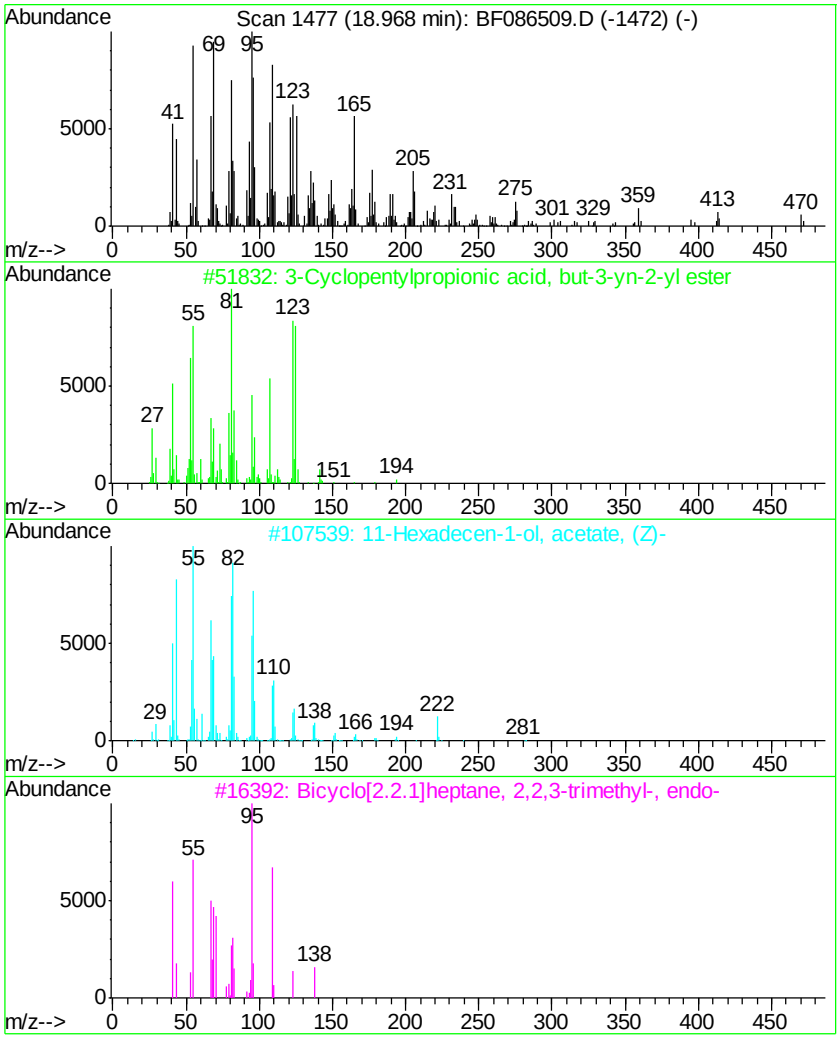
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

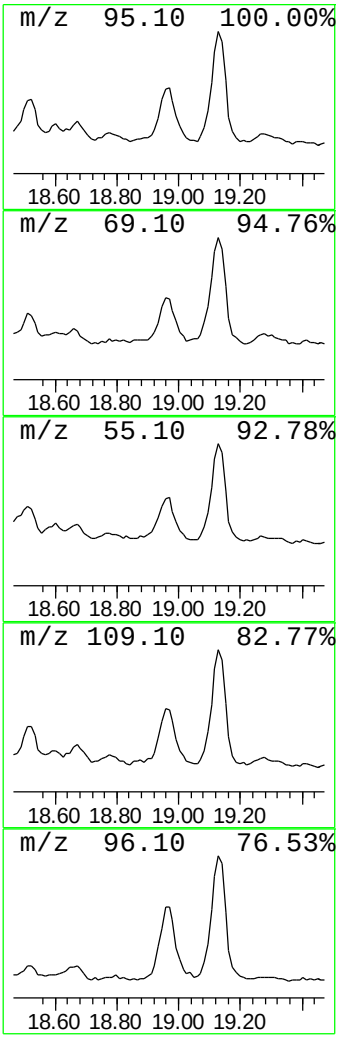
****

Peak Number 19 unknown18.97 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	45.28 ng	1316900	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclopentylpropionic acid, but...	194	C12H18O2	1000292-46-4	38
2	11-Hexadecen-1-ol, acetate, (Z)-	282	C18H34O2	034010-21-4	38
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	35
4	Imidazole, 4-methyl-5-[3,3,3-tri...	234	C10H13F3N2O	1000129-15-8	30
5	4-(1,3,3-Trimethyl-bicyclo[4.1.0...	206	C14H22O	077143-31-8	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

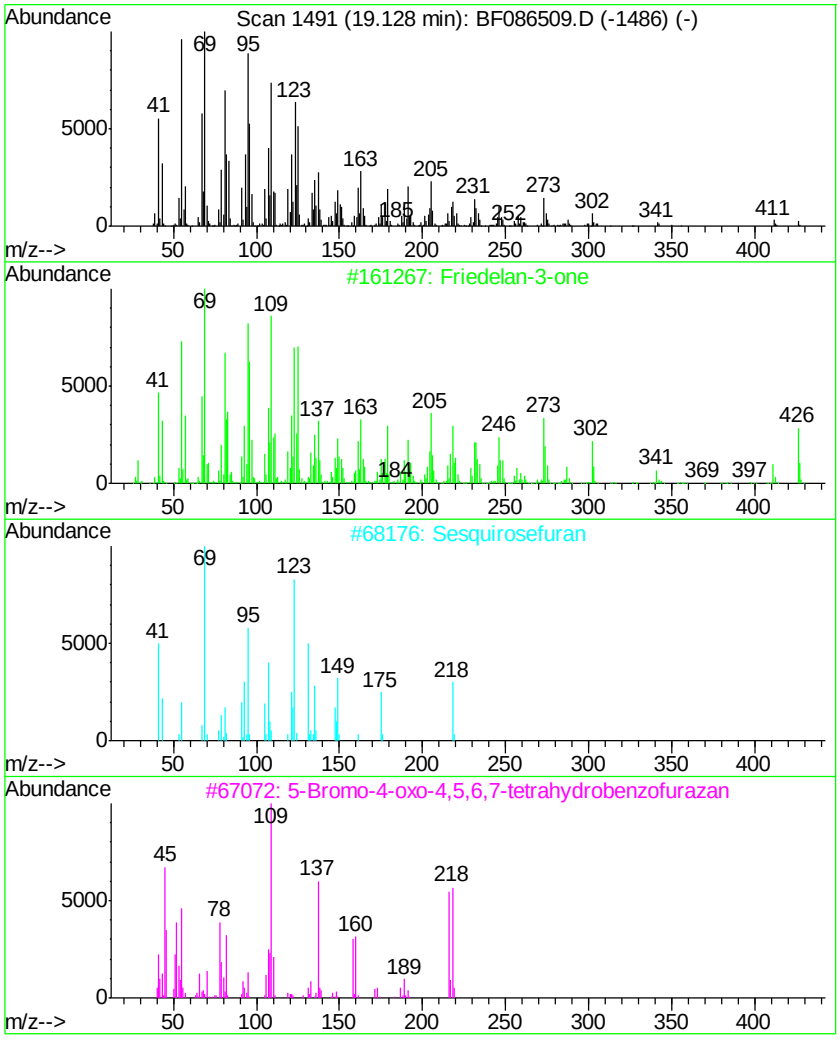
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

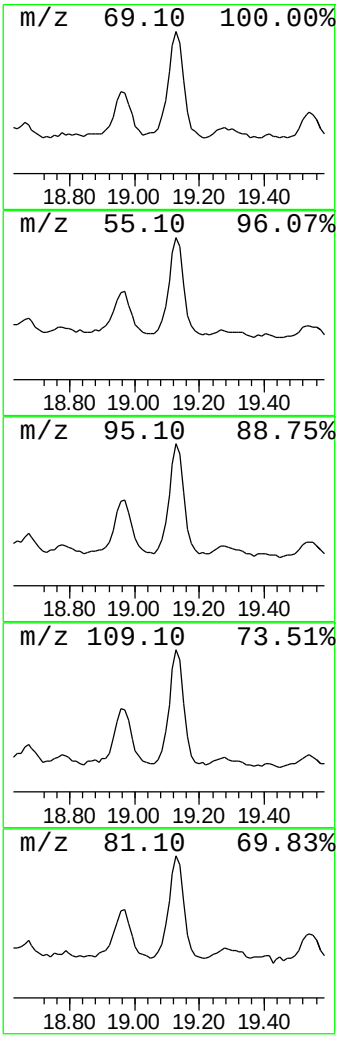
****

Peak Number 20 Friedelan-3-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	82.94 ng	2412550	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Friedelan-3-one	426	C30H50O	000559-74-0	95
2	Sesquirosefuran	218	C15H22O	039007-93-7	62
3	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	60
4	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-90-8	46
5	7-Tetradecyne	194	C14H26	035216-11-6	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-008

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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
unknown6.54	6.54	71.9	ng	3652940	1	6.77	1016360	20.0
Squalene	14.77	65.5	ng	1906590	6	15.33	581726	20.0
Pentacosane	15.03	225.5	ng	6558880	6	15.33	581726	20.0
.gamma.-Tocopherol	15.68	32.0	ng	931553	6	15.33	581726	20.0
Eicosane	15.78	200.7	ng	5836470	6	15.33	581726	20.0
Vitamin E	16.02	70.5	ng	2049090	6	15.33	581726	20.0
Octacosane	16.80	39.1	ng	1136970	6	15.33	581726	20.0
Cholestane, 3-eth...	17.00	30.8	ng	896268	6	15.33	581726	20.0
.gamma.-Sitosterol	17.25	207.4	ng	6033290	6	15.33	581726	20.0
Pyrene, hexadecah...	17.43	54.9	ng	1596360	6	15.33	581726	20.0
3-Methoxy-6,7,8,9...	17.67	184.1	ng	5353390	6	15.33	581726	20.0
Lup-20(29)-en-3-one	17.76	87.2	ng	2534880	6	15.33	581726	20.0
(-)-Neoclovene-(I...	17.99	228.8	ng	6654330	6	15.33	581726	20.0
Bi-1-cyclohexen-1...	18.11	42.9	ng	1248740	6	15.33	581726	20.0
unknown18.17	18.17	64.7	ng	1882950	6	15.33	581726	20.0
9,19-Cycloergost-...	18.27	30.7	ng	893146	6	15.33	581726	20.0
2(1H)-Phenanthren...	18.51	43.5	ng	1265400	6	15.33	581726	20.0
unknown18.97	18.97	45.3	ng	1316900	6	15.33	581726	20.0
Friedelan-3-one	19.13	82.9	ng	2412550	6	15.33	581726	20.0