LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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	4.967	249	252	259	rBV	314276	568539	10.60%	0.642%
2	5.379	284	288	290	rBV	4592319	5364911	100.00%	6.059%
3	5.779	321	323	326	rBV	48532	59109	1.10%	0.067%
4	6.419	375	379	382	rBV	4074499	5243061	97.73%	5.921%
5	6.544	387	390	393	rVV	4459474	5044042	94.02%	5.697%
6	6.773	408	410	419	rBV	1160620	1186810	22.12%	1.340%
7	6.933	421	424	426	rBV	3952836	3808306	70.99%	4.301%
8	7.345	457	460	462	rBV	3106445	3513790	65.50%	3.968%
9	8.065	520	523	525	rBV	1282022	1471598	27.43%	1.662%
10	9.139	614	617	620	rBV	3697813	4101344	76.45%	4.632%
11	9.265	626	628	629	rVB	104336	106730	1.99%	0.121%
12	9.470	645	646	648	rBV2	64016	77076	1.44%	0.087%
13	9.539	650	652	654	rVV	532523	571480	10.65%	0.645%
14	9.573	654	655	659	rVB4	70753	109951	2.05%	0.124%
15	9.676	659	664	667	rBV4	29743	97256	1.81%	0.110%
16	9.756	670	671	673	rVB	170474	121706	2.27%	0.137%
17	9.813	673	676	678	rBV	1735438	1655243	30.85%	1.869%
18	9.848	678	679	680	rVB	115305	80030	1.49%	0.090%
19	9.939	685	687	689	rBV2	113465	101845	1.90%	0.115%
20	10.259	711	715	716	rBV	153257	212477	3.96%	0.240%
21	10.408	727	728	731	rVB	42743	57966	1.08%	0.065%
22	10.476	731	734	737	rBV2	80663	180115	3.36%	0.203%
23	10.602	742	745	748	rBV	2807360	3211310	59.86%	3.627%
24	10.728	754	756	759	rBV	256410	317384	5.92%	0.358%
25	10.922	771	773	775	rBV2	41203	62115	1.16%	0.070%
26	11.014	780	781	783	rBV	62681	70552	1.32%	0.080%
27	11.174	793	795	796	rBV	128441	112872	2.10%	0.127%
28	11.196	796	797	801	rVB2	34796	71619	1.33%	0.081%
29	11.299	803	806	808	rVV	1027058	1415449	26.38%	1.599%
30	11.356	810	811	813	rVV	206813	242559	4.52%	0.274%
31	11.436	817	818	820	rVV	74747	63799	1.19%	0.072%
32	11.471	820	821	824	rVB2	39814	55677	1.04%	0.063%
33	11.516	824	825	829	rBV3	36888	74802	1.39%	0.084%
34	11.802	846	850	851	rVB2	108398	218067	4.06%	0.246%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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	11.836	851	853	857	rBV4	69534	132137	2.46%	0.149%
36	11.905	857	859	863	rVB4	32103	63482	1.18%	0.072%
37	11.985	863	866	868	rBV	335916	360309	6.72%	0.407%
38	12.236	884	888	889	rBV2	59234	90286	1.68%	0.102%
39	12.362	896	899	901	rBV4	47575	129403	2.41%	0.146%
40	12.442	904	906	909	rBV	505916	543983	10.14%	0.614%
41	12.499	909	911	914	rBV	186407	193322	3.60%	0.218%
42	12.728	927	931	937	rVV	156586	305316	5.69%	0.345%
43	12.877	942	944	947	rBV	2193898	2646663	49.33%	2.989%
44	13.059	958	960	962	rBV2	41089	54624	1.02%	0.062%
45	13.117	964	965	967	rVB2	80514	74952	1.40%	0.085%
46	13.277	977	979	980	rBV	209149	199200	3.71%	0.225%
47	13.311	980	982	983	rVV	209326	198301	3.70%	0.224%
48	13.779	1021	1023	1027	rBV	325809	526841	9.82%	0.595%
49	13.860	1027	1030	1032	rVB	166473	204680	3.82%	0.231%
50	13.928	1033	1036	1042	rVV	742892	1186503	22.12%	1.340%
51	14.020	1042	1044	1046	rVB2	43686	67642	1.26%	0.076%
52	14.100	1049	1051	1053	rVB2	66776	83930	1.56%	0.095%
53	14.408	1076	1078	1085	rVB	711784	791582	14.75%	0.894%
54	14.705	1099	1104	1106	rBV3	136950	371648	6.93%	0.420%
55	14.774	1107	1110	1112	rVB	591041	685646	12.78%	0.774%
56	14.922	1119	1123	1125	rBV2	142860	416065	7.76%	0.470%
57	14.968	1125	1127	1129	rVV2	137021	281582	5.25%	0.318%
58	15.014	1129	1131	1142	rVV	1973183	3133190	58.40%	3.539%
59	15.208	1146	1148	1150	rVV	41536	63551	1.18%	0.072%
60	15.254	1150	1152	1156	rVV2	136384	220153	4.10%	0.249%
61	15.323	1156	1158	1160	rVV	641240	830709	15.48%	0.938%
62	15.368	1160	1162	1167	rVB	137706	217042	4.05%	0.245%
63	15.597	1180	1182	1185	rVB	72500	119201	2.22%	0.135%
64	15.665	1185	1188	1194	rVV2	143979	298192	5.56%	0.337%
65	15.768	1194	1197	1200	rVV	1811963	2796952	52.13%	3.159%
66	15.814	1200	1201	1205	rVV	196556	328580	6.12%	0.371%
67	15.905	1207	1209	1213	rVV3	87779	169168	3.15%	0.191%
68	16.020	1215	1219	1224	rVB	485598	955734	17.81%	1.079%
69	16.717	1272	1280	1283	rBV4	266105	879476	16.39%	0.993%
70	16.774	1283	1285	1288	rBV	240469	456093	8.50%	0.515%
71	16.831	1288	1290	1292	rBV2	126818	247637	4.62%	0.280%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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	16.991	1301	1304	1308	rVB2	186147	421736	7.86%	0.476%
73	17.071	1308	1311	1316	rVV3	60088	148740	2.77%	0.168%
74	17.231	1319	1325	1326	rVV	1327955	3723285	69.40%	4.205%
75	17.266	1326	1328	1335	rVV	1516586	3534043	65.87%	3.991%
76	17.403	1337	1340	1347	rVV2	489931	1518007	28.30%	1.714%
77	17.517	1347	1350	1352	rVV2	263517	717116	13.37%	0.810%
78	17.631	1356	1360	1366	rVV	1125487	4036815	75.24%	4.559%
79	17.734	1366	1369	1373	rVV2	691271	1988827	37.07%	2.246%
80	17.860	1377	1380	1384	rVV2	178160	498722	9.30%	0.563%
81	17.963	1384	1389	1397	rVV3	969510	4917236	91.66%	5.553%
82	18.088	1397	1400	1402	rVV	400725	1021529	19.04%	1.154%
83	18.146	1402	1405	1411	rVV4	295185	1018165	18.98%	1.150%
84	18.237	1411	1413	1423	rVB3	159888	554127	10.33%	0.626%
85	18.409	1424	1428	1429	rBV2	83444	215491	4.02%	0.243%
86	18.489	1429	1435	1440	rVV3	217274	863817	16.10%	0.976%
87	18.580	1440	1443	1446	rVB4	46877	104443	1.95%	0.118%
88	18.934	1469	1474	1482	rVB2	253299	939329	17.51%	1.061%
89	19.106	1482	1489	1497	rVB	706281	2223568	41.45%	2.511%
90	19.517	1521	1525	1527	rBV3	44185	125141	2.33%	0.141%

Sum of corrected areas: 88543502

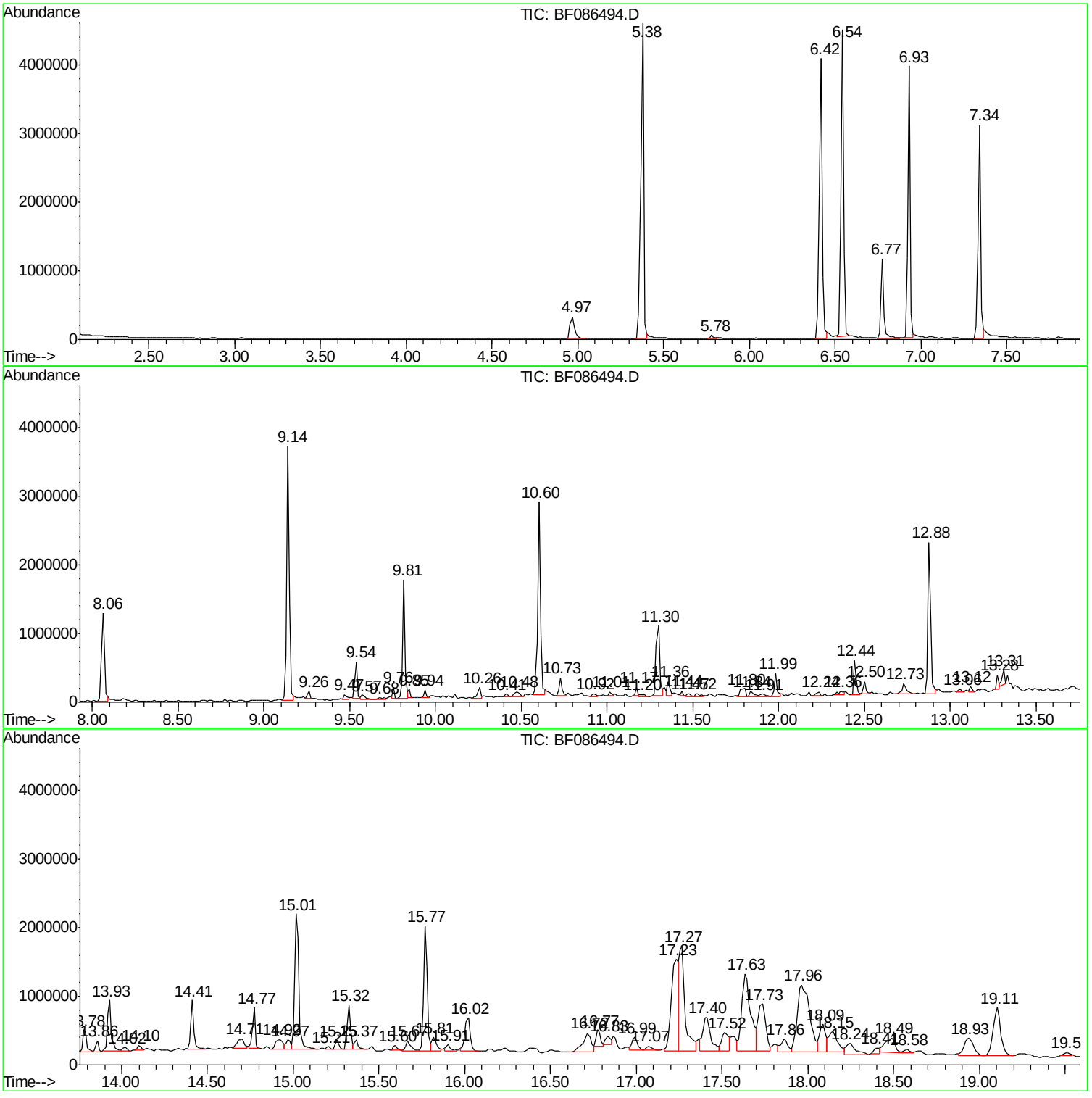
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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 : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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

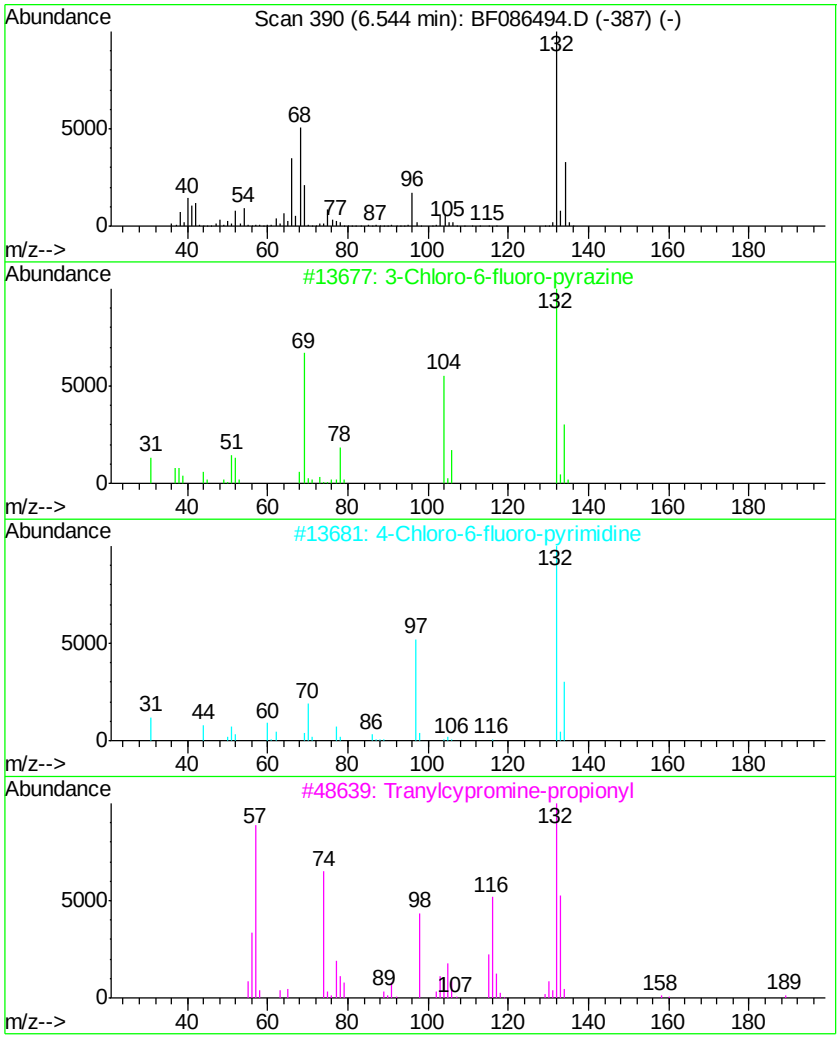
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

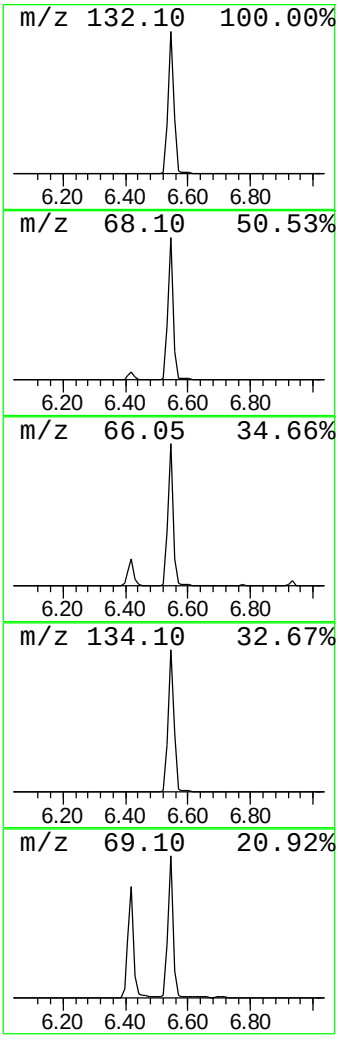
****

Peak Number 1 unknown6.54 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	85.00 ng	5044040	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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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

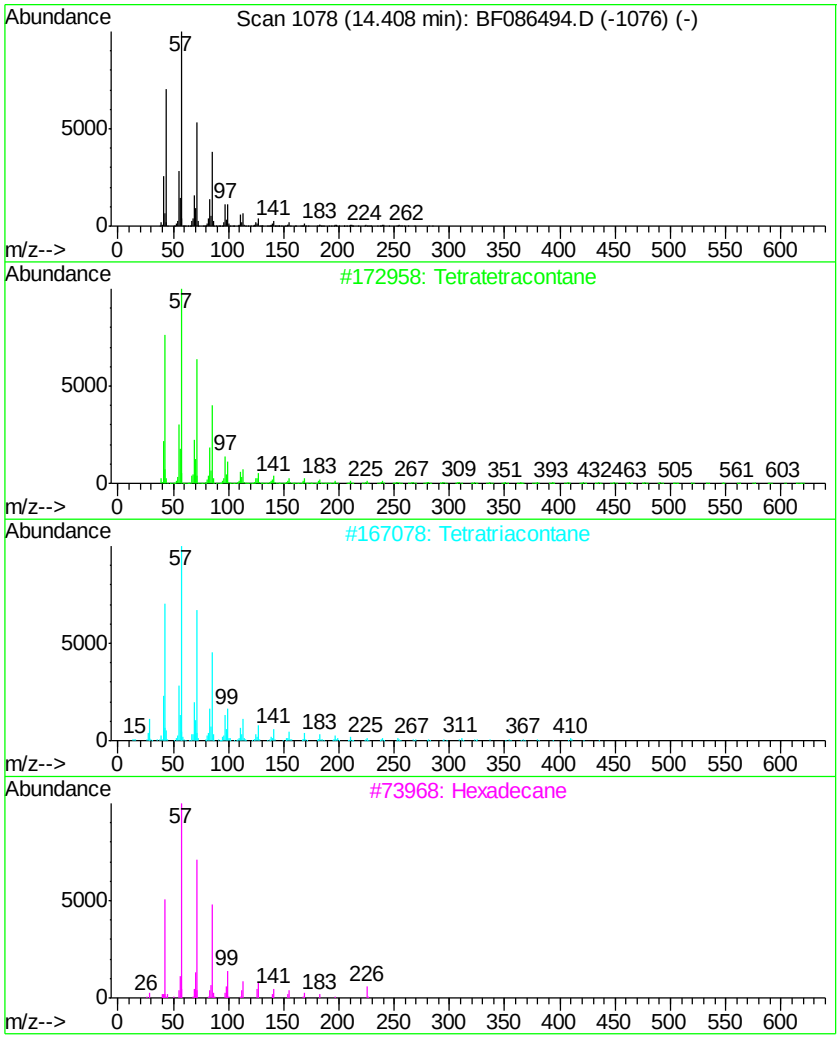
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

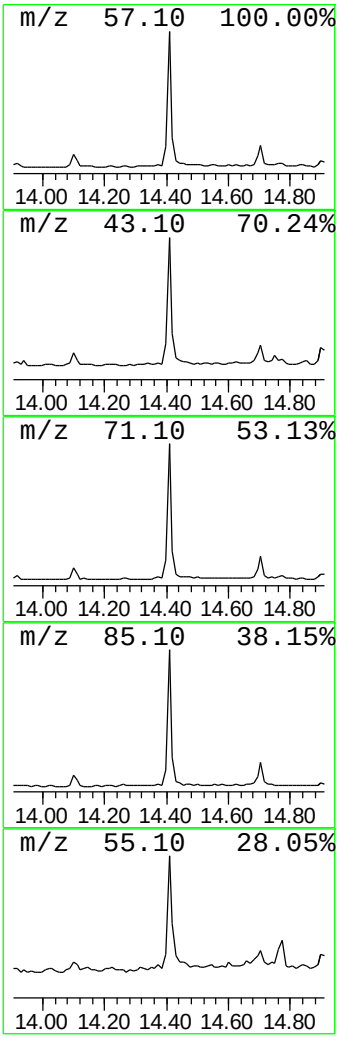
****

Peak Number 3 Tetratetracontane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	13.34 ng	791582	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	91
2	Tetratriacontane	479	C34H70	014167-59-0	91
3	Hexadecane	226	C16H34	000544-76-3	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Pentadecane	212	C15H32	000629-62-9	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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

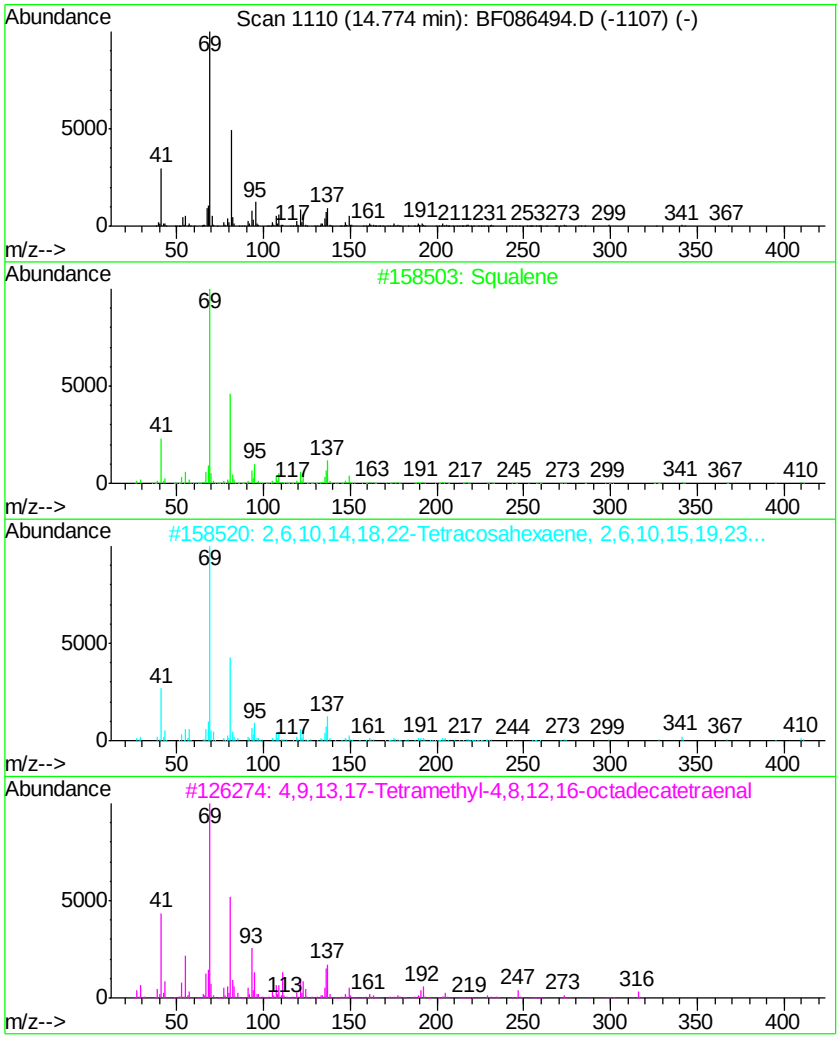
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

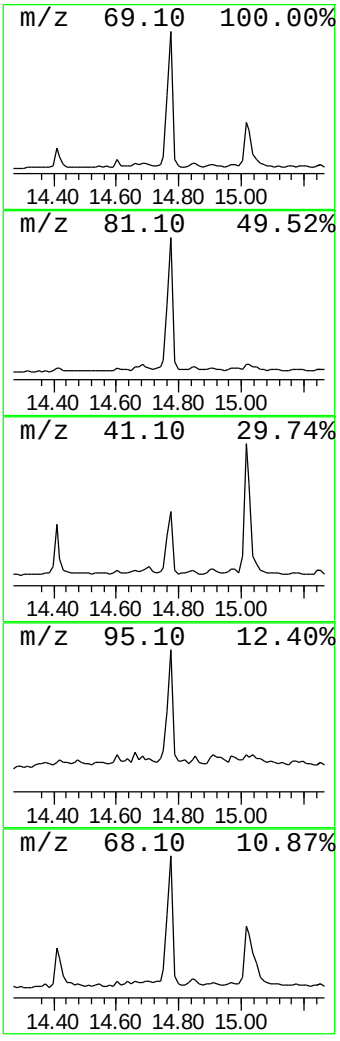
****

Peak Number 4 Squalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	16.51 ng	685646	Perylene-d12	15.32

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	74
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	264	C17H28O2	004128-17-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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

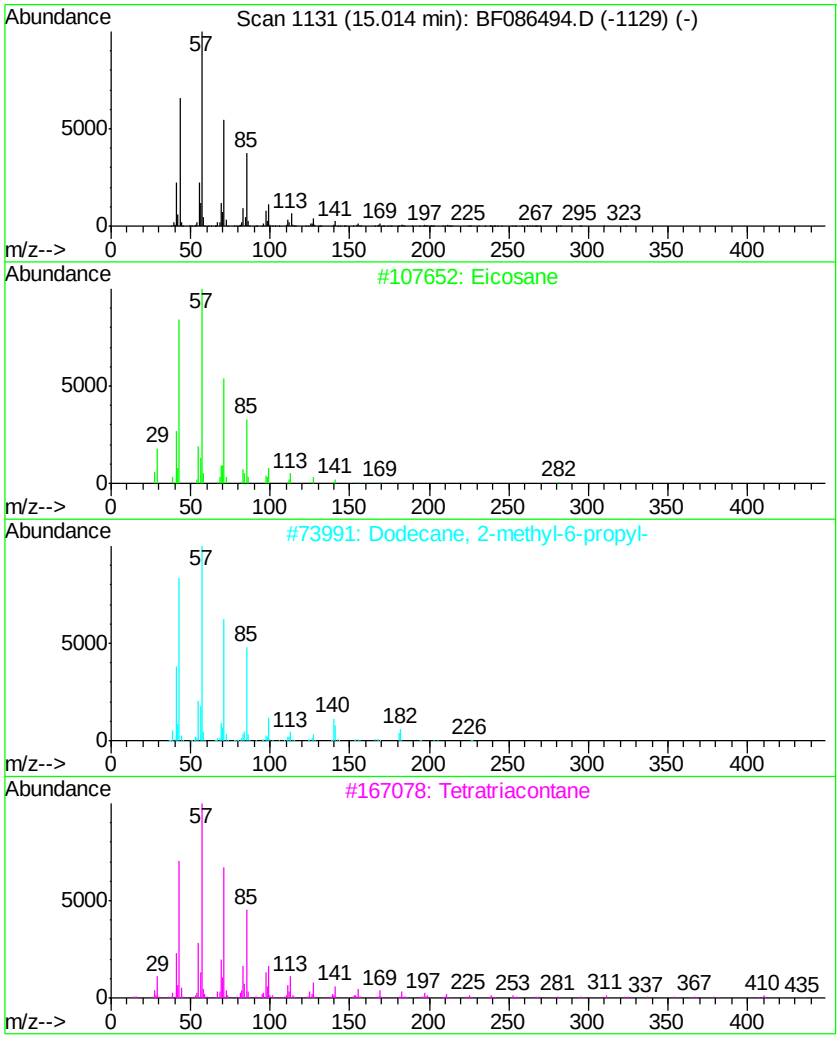
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

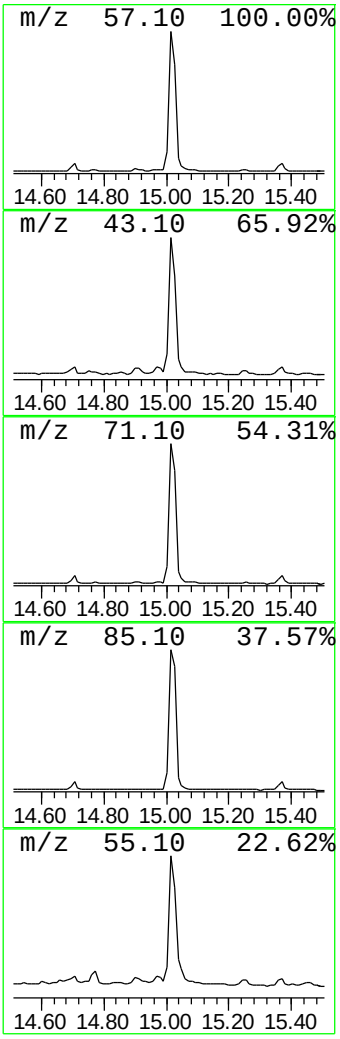
****

Peak Number 5 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	75.43 ng	3133190	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	91
3	Tetratriacontane	479	C34H70	014167-59-0	91
4	Tetratetracontane	619	C44H90	007098-22-8	91
5	Heneicosane	296	C21H44	000629-94-7	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IM-TOPSOIL-004

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

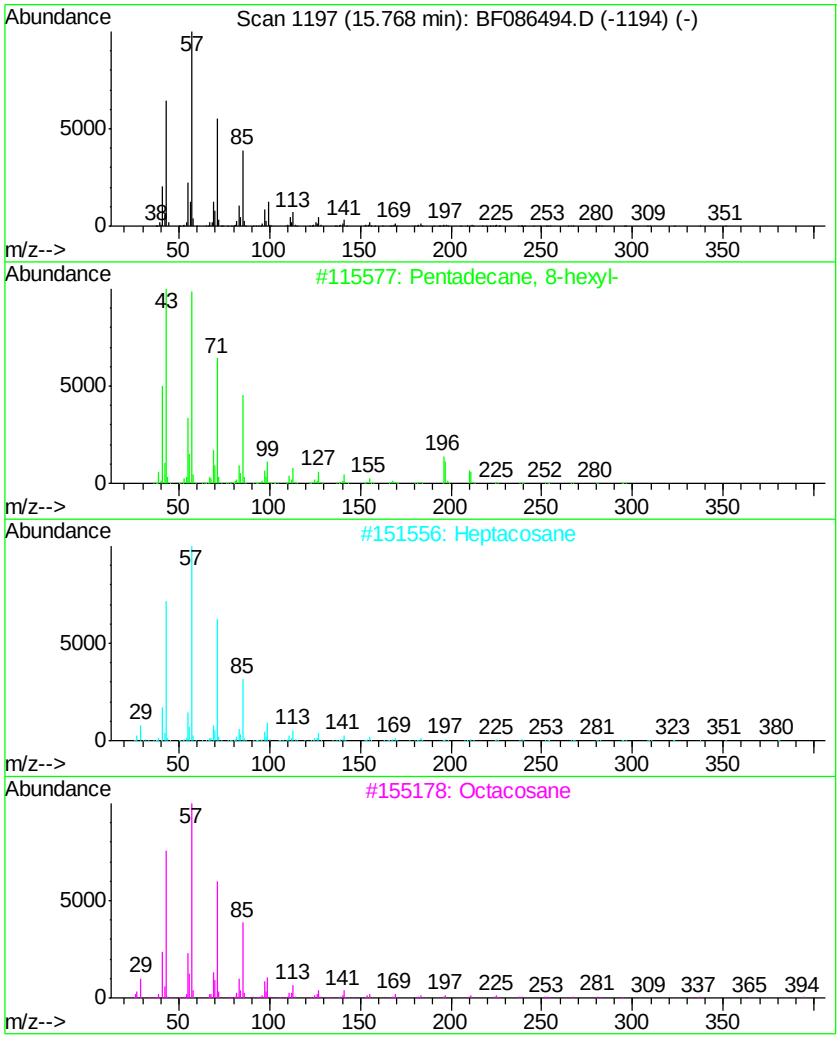
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

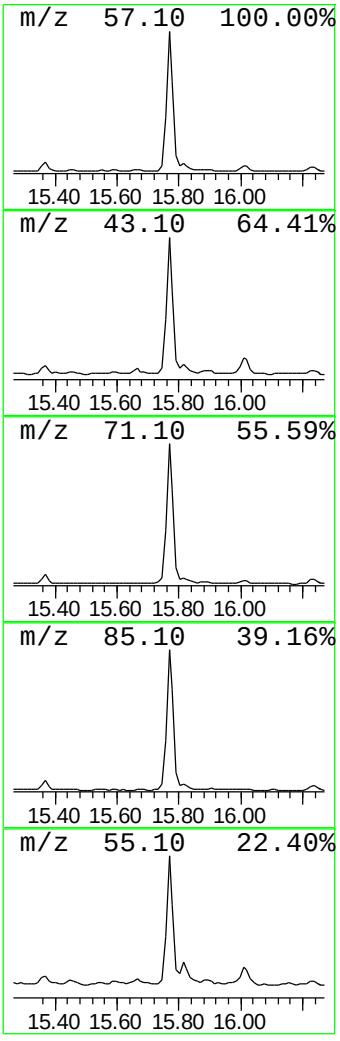
****

Peak Number 6 Pentadecane, 8-hexyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	67.34 ng	2796950	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	95
2	Heptacosane	380	C27H56	000593-49-7	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Tetratriacontane	479	C34H70	014167-59-0	91
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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

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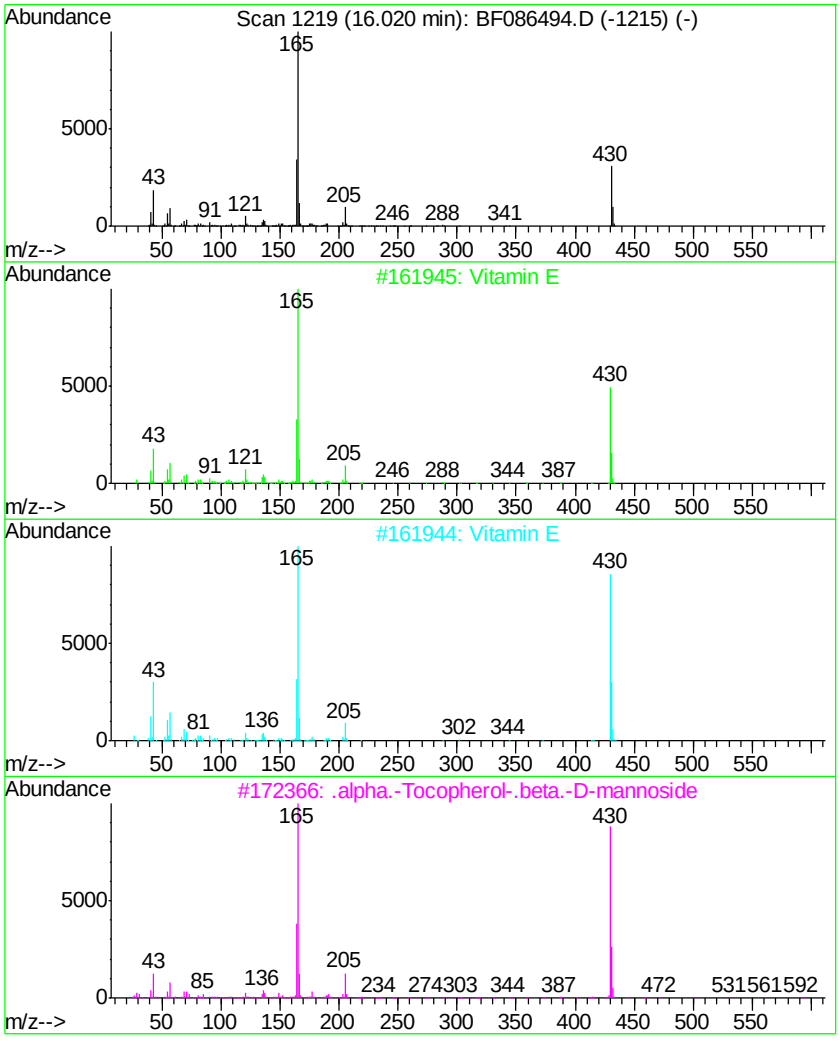
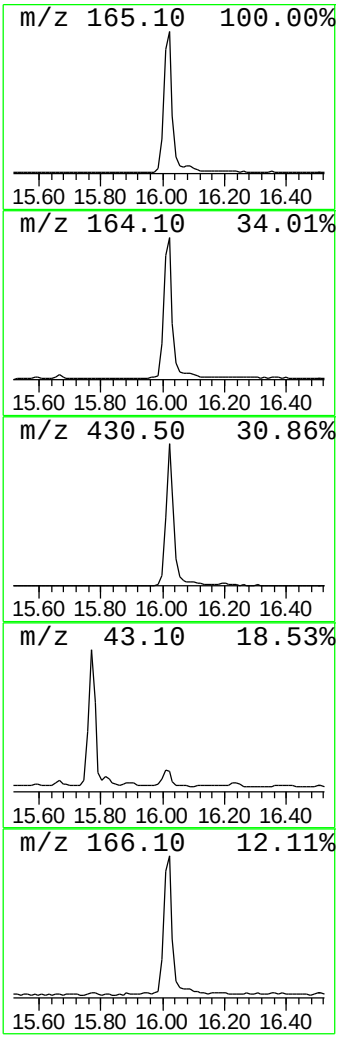
Peak Number 7 Vitamin E Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	23.01 ng	955734	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vitamin E	430	C29H50O2	000059-02-9	98
2	Vitamin E	430	C29H50O2	010191-41-0	95
3	.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1000156-68-2	90
4	Benzenamine, 3-methoxy-2,4,6-tri...	165	C10H15NO	034874-88-9	47
5	Propanenitrile, 3-[methyl(4-nitr...	205	C10H11N3O2	097473-81-9	38





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Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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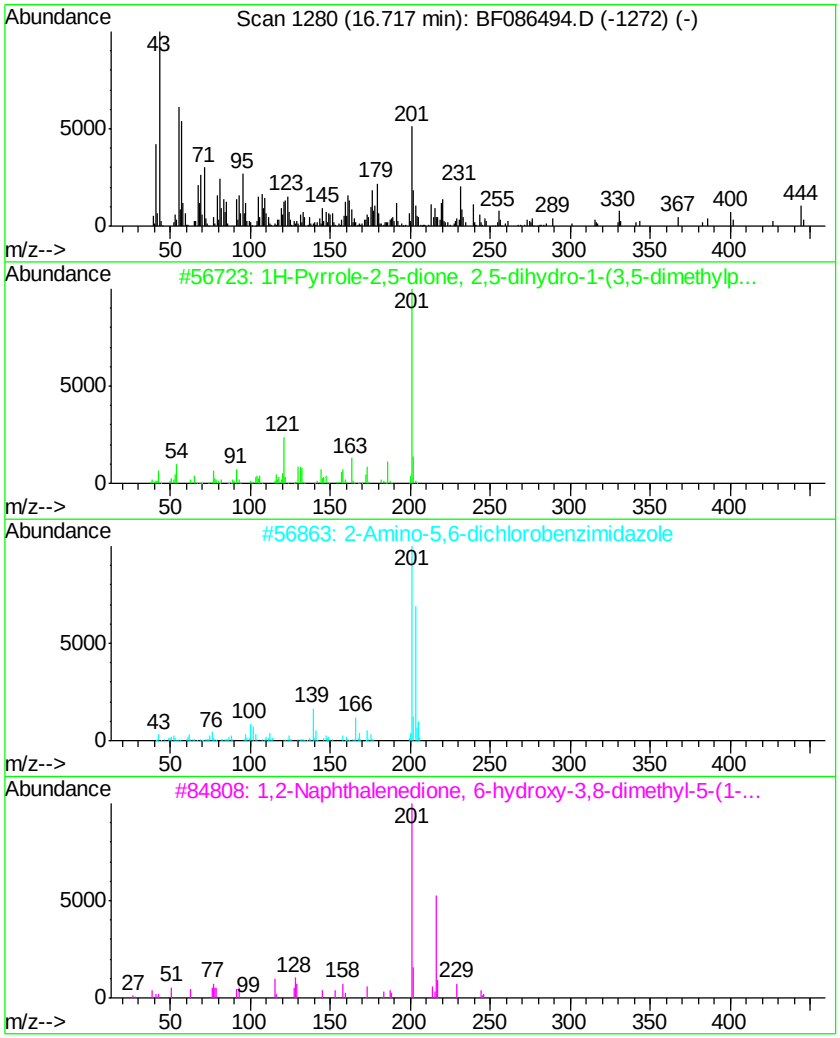
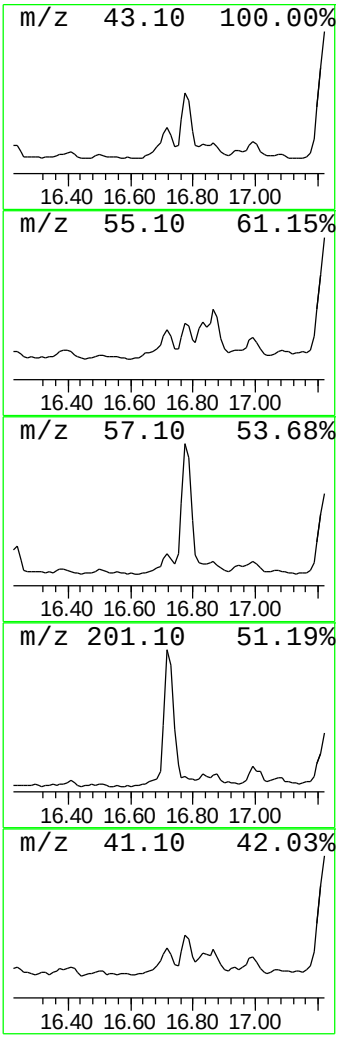
Peak Number 8 unknown16.72 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	21.17 ng	879476	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrole-2,5-dione, 2,5-dihydr...	201	C12H11NO2	065833-09-2	35
2	2-Amino-5,6-dichlorobenzimidazole	201	C7H5Cl2N3	018672-03-2	14
3	1,2-Naphthalenedione, 6-hydroxy-...	244	C15H16O3	007715-96-0	14
4	8-[4-Acetamino-1-methylbutylamin...	301	C17H23N3O2	077229-67-5	14
5	3-(4-Methoxybenzylideneamino)-1H...	202	C10H10N4O	005295-20-5	14





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ClientSampleId : IM-TOPSOIL-004

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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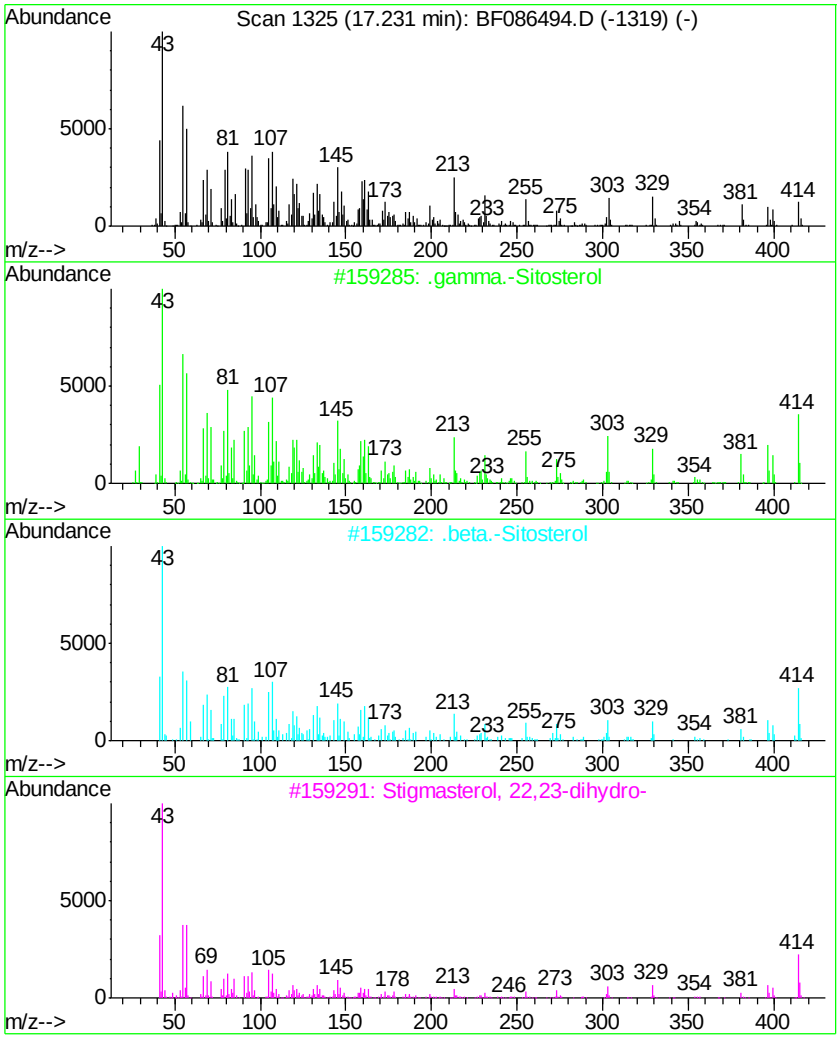
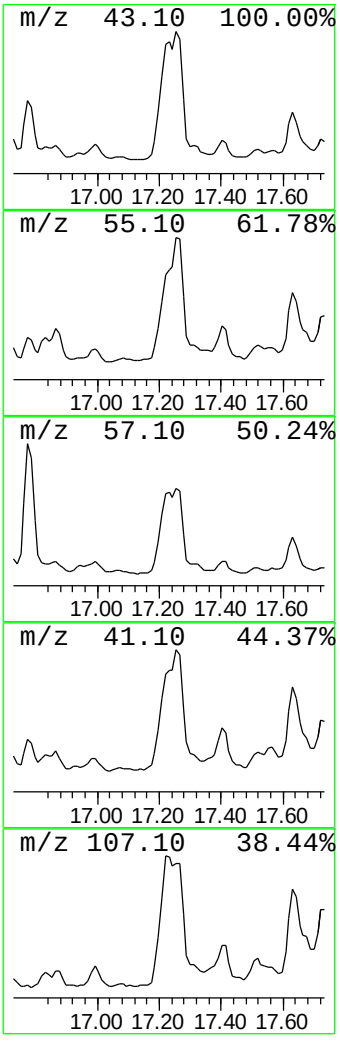
Peak Number 9 .gamma.-Sitosterol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	89.64 ng	3723290	Perylene-d12	15.32

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	86
4	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	45
5	Campesterol	400	C28H48O	000474-62-4	35





Library Search Compound Report

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Sample : H2764-01
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Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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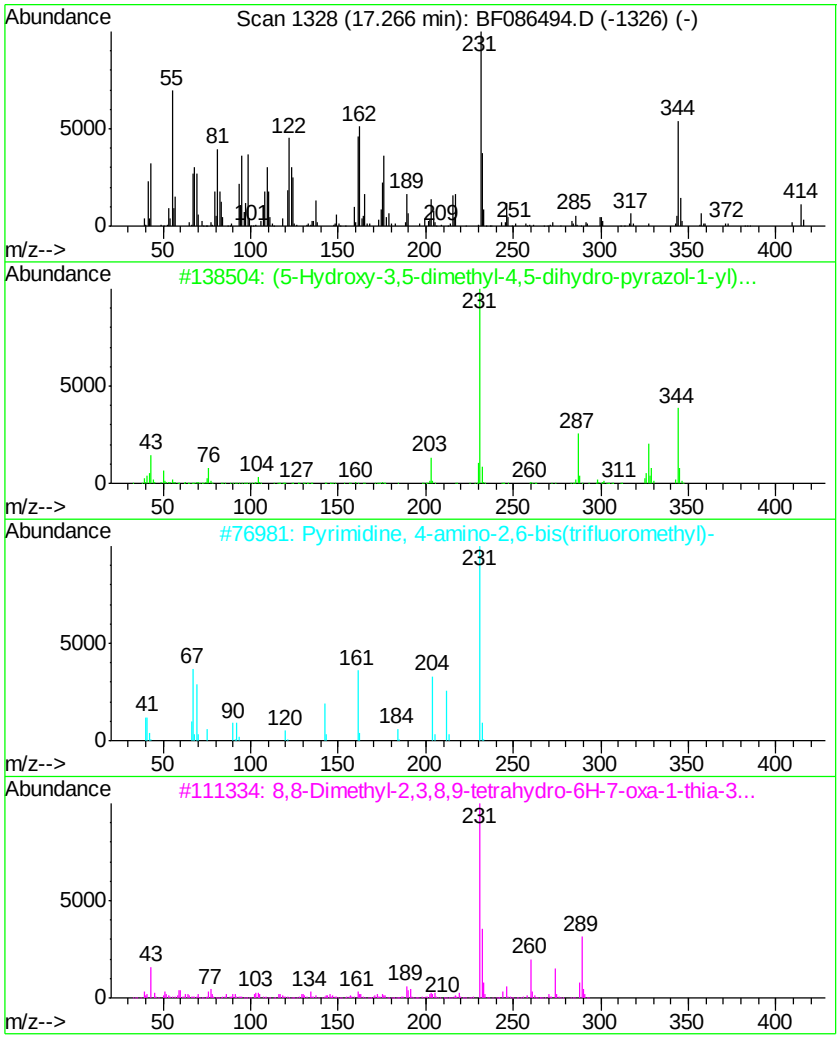
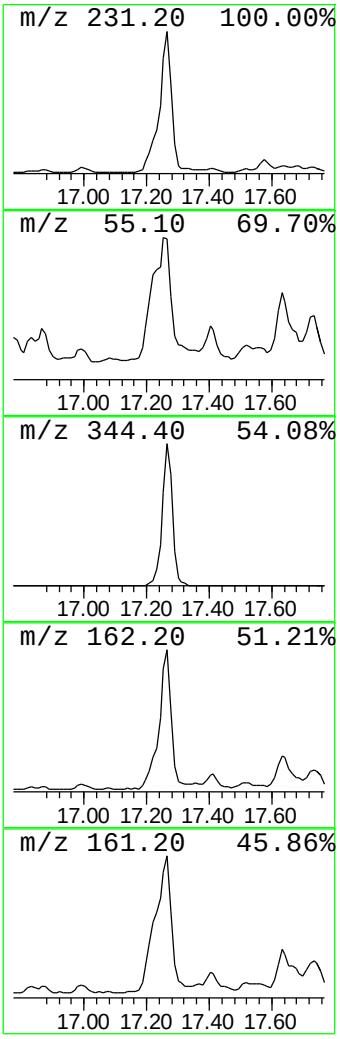
Peak Number 10 unknown17.27 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	85.09 ng	3534040	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(5-Hydroxy-3,5-dimethyl-4,5-dihy...	344	C12H13IN2O2	331868-93-0	27
2	Pyrimidine, 4-amino-2,6-bis(trif...	231	C6H3F6N3	000717-61-3	12
3	8,8-Dimethyl-2,3,8,9-tetrahydro-...	289	C14H15N3O2S	1000258-95-0	12
4	Benzene, 1,1',1'',1'''-(1-propyn...	344	C27H20	020143-13-9	10
5	1,3-Benzenediol, 2-[3-methyl-6-(...	314	C21H30O2	013956-29-1	10





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ClientSampleId : IM-TOPSOIL-004

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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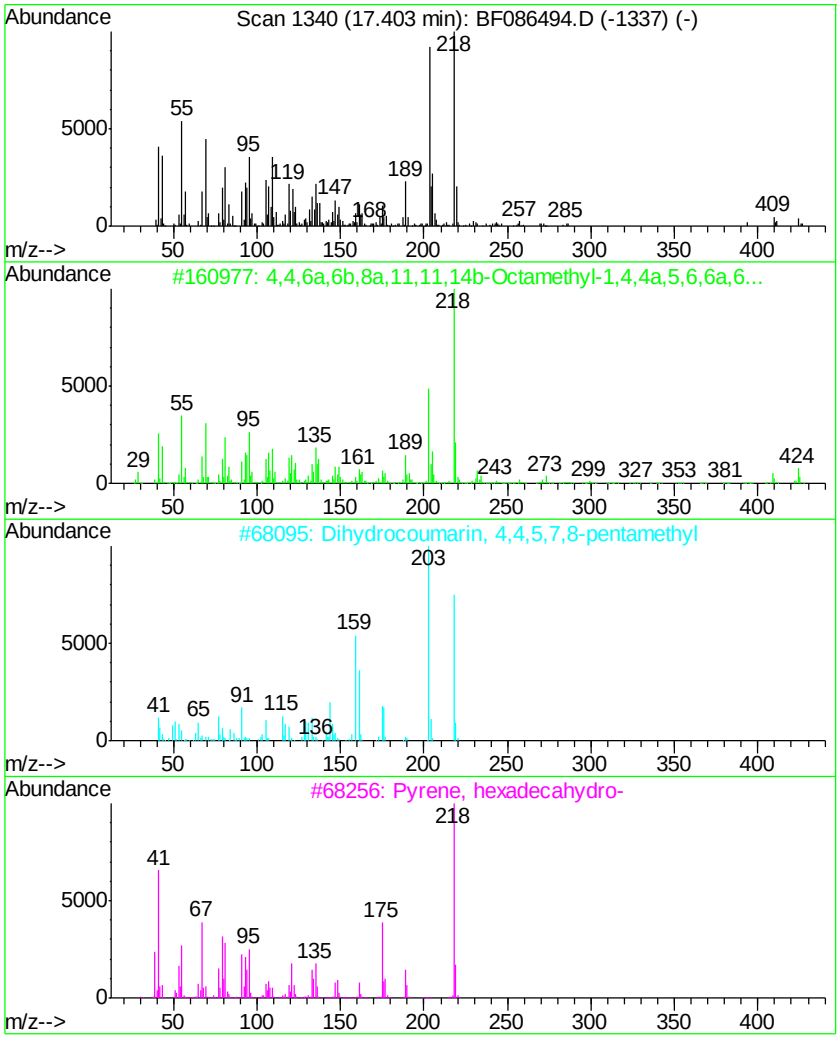
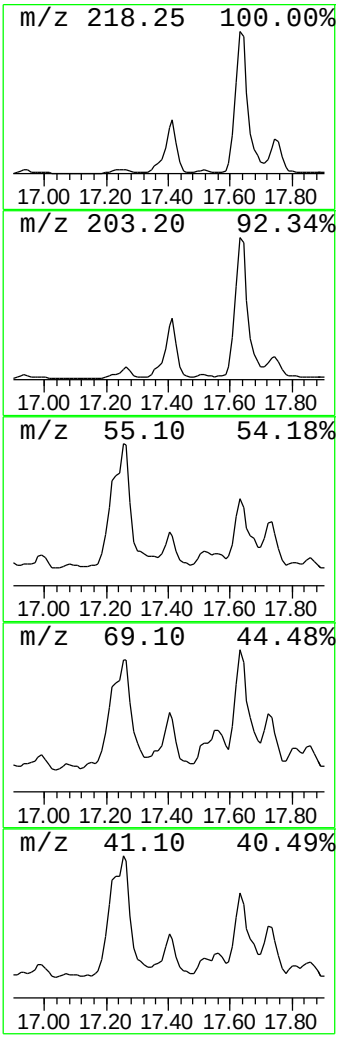
Peak Number 11 4,4,6a,6b,8a,11,11,14b-Octa... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.40	36.55 ng	1518010	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4,6a,6b,8a,11,11,14b-Octamethy...	424	C30H48O	1000194-62-4	50
2	Dihydrocoumarin, 4,4,5,7,8-penta...	218	C14H18O2	039170-97-3	49
3	Pyrene, hexadecahydro-	218	C16H26	002435-85-0	46
4	5(1H)-Azulenone, 2,4,6,7,8,8a-he...	218	C15H22O	006754-66-1	43
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	42





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ClientSampleId : IM-TOPSOIL-004

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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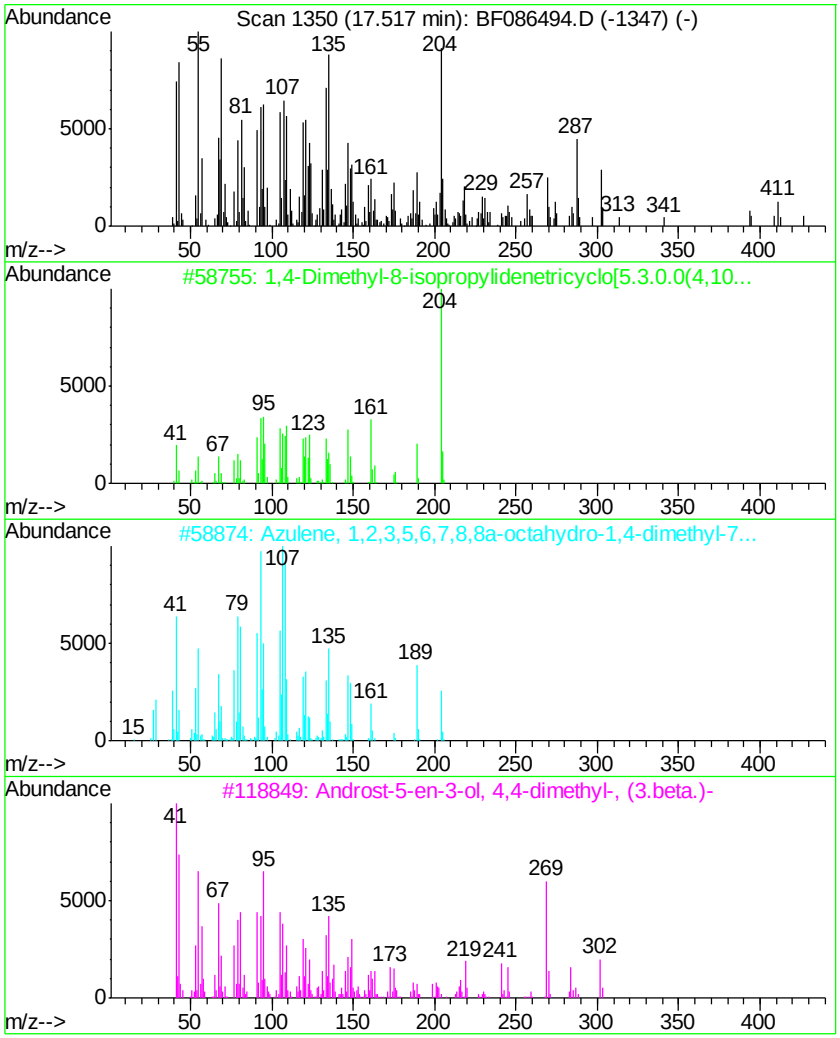
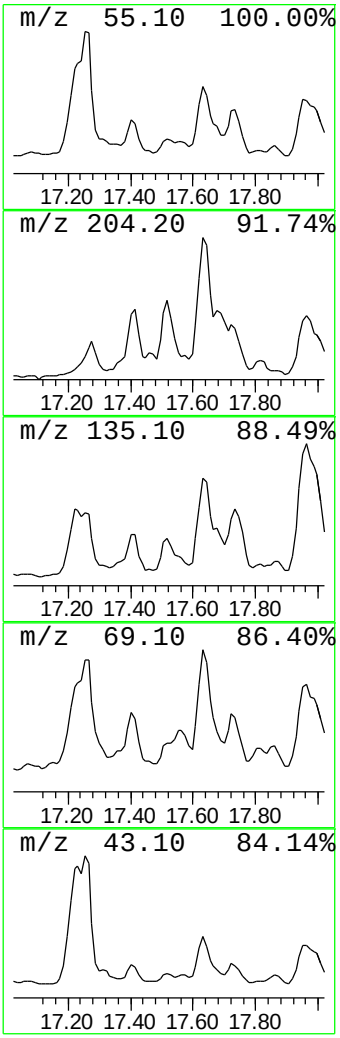
Peak Number 12 1,4-Dimethyl-8-isopropylide... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	17.27 ng	717116	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	83
2	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	64
3	Androst-5-en-3-ol, 4,4-dimethyl-...	302	C21H34O	007673-17-8	62
4	Azulene, 1,2,3,4,5,6,7,8-octahyd...	204	C15H24	003691-12-1	50
5	(-)-Caryophyllene-(I1)	204	C15H24	1000156-13-1	49





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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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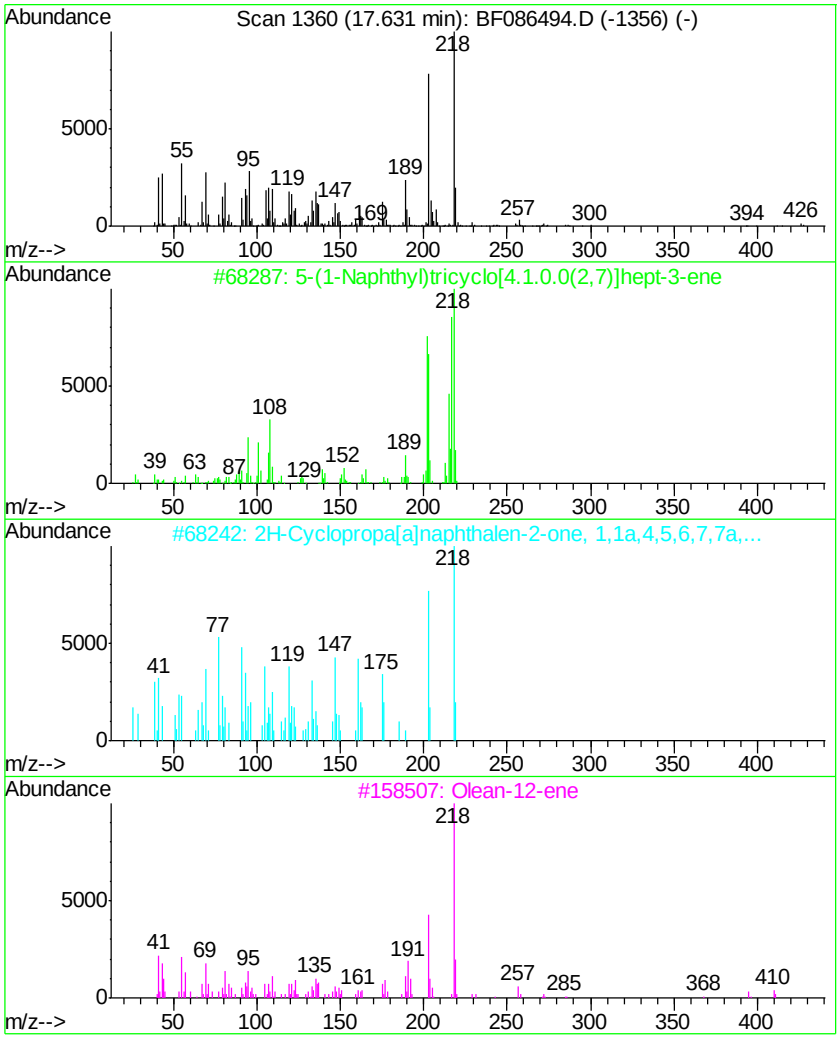
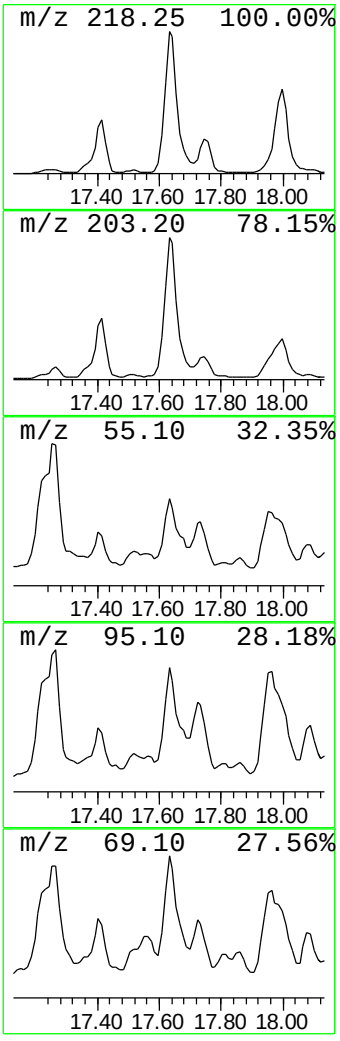
Peak Number 13 5-(1-Naphthyl)tricyclo[4.1.... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	97.19 ng	4036820	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	80
2	2H-Cyclopropa[a]naphthalen-2-one...	218	C15H22O	006831-17-0	60
3	Olean-12-ene	410	C30H50	000471-68-1	59
4	3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	58
5	8-Amino-6,7-dimethoxy-4-methylqu...	218	C12H14N2O2	1000213-07-2	52





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Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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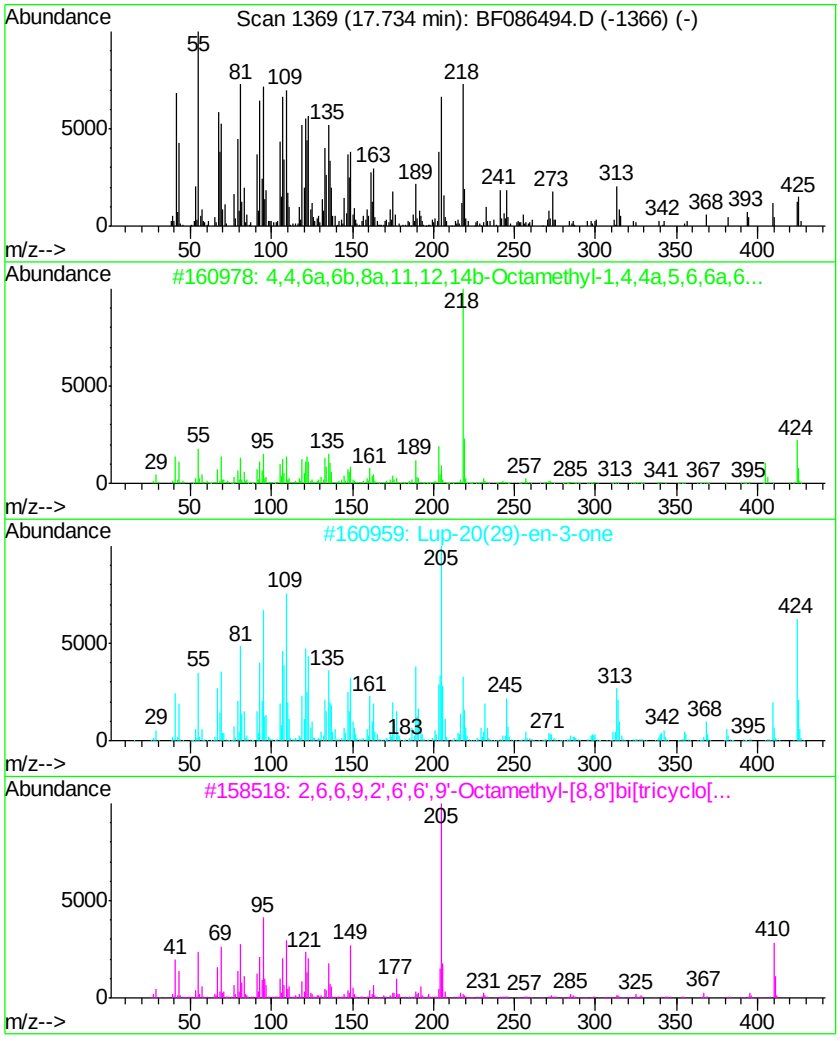
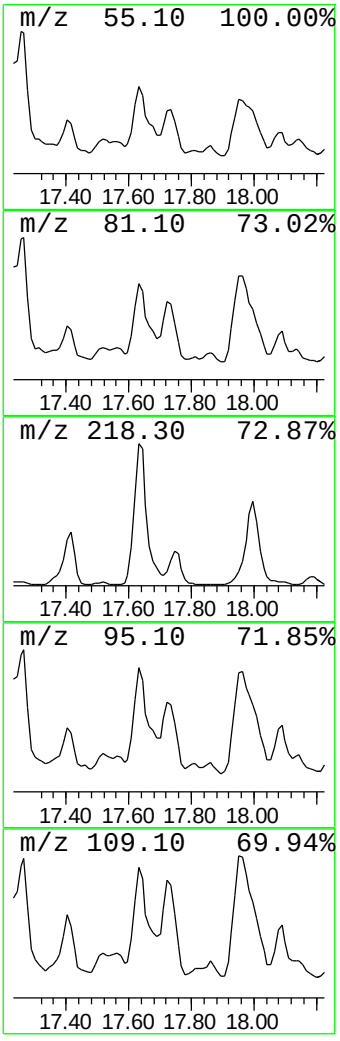
Peak Number 14 4,4,6a,6b,8a,11,12,14b-Octa... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	47.88 ng	1988830	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4,6a,6b,8a,11,12,14b-Octamethv...	424	C30H48O	1000194-64-2	97
2	Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	64
3	2,6,6,9,2',6',6',9'-Octamethyl-[...	410	C30H50	1000189-48-2	43
4	1-Hydroxymethyl-5,8,9-endo-10-ex...	236	C16H28O	1000140-32-9	38
5	D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	35





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : IM-TOPSOIL-004

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
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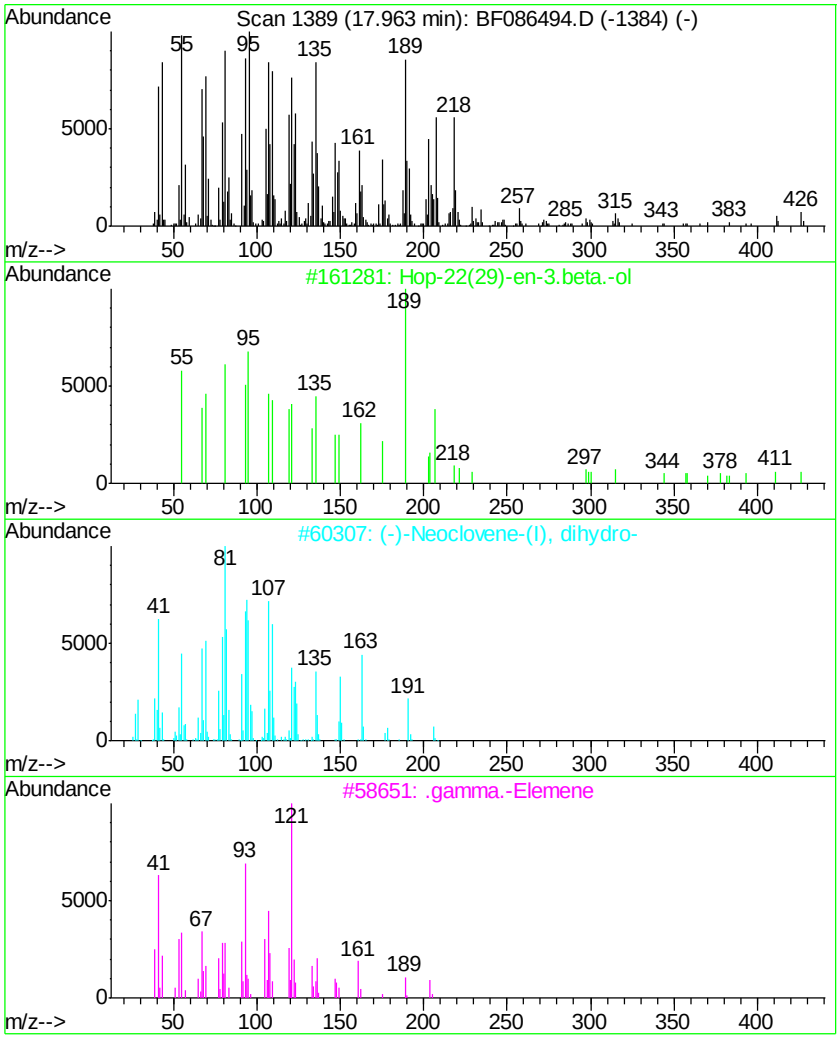
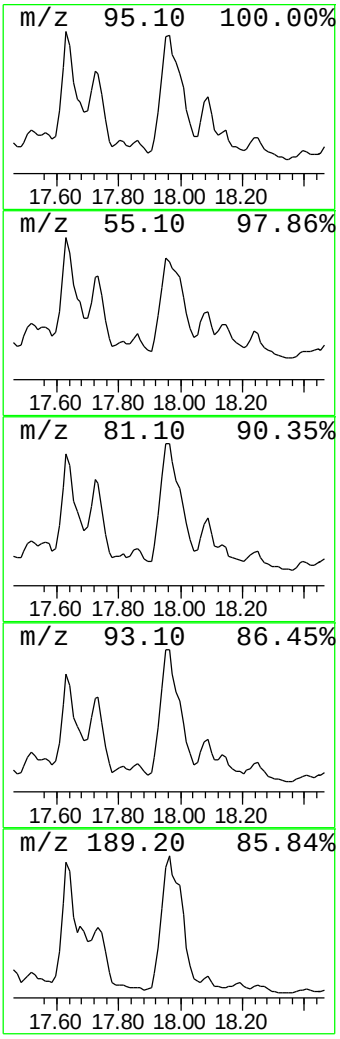
Peak Number 15 Hop-22(29)-en-3.beta.-ol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	118.39 ng	4917240	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	64
2	(-)-Neoclovene-(I), dihydro-	206	C15H26	1000152-82-1	50
3	.gamma.-Elemene	204	C15H24	030824-67-0	46
4	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	003242-08-8	45
5	1-Isopropenyl-3-propenylcyclopen...	150	C11H18	1000192-81-2	44





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ClientSampleId : IM-TOPSOIL-004

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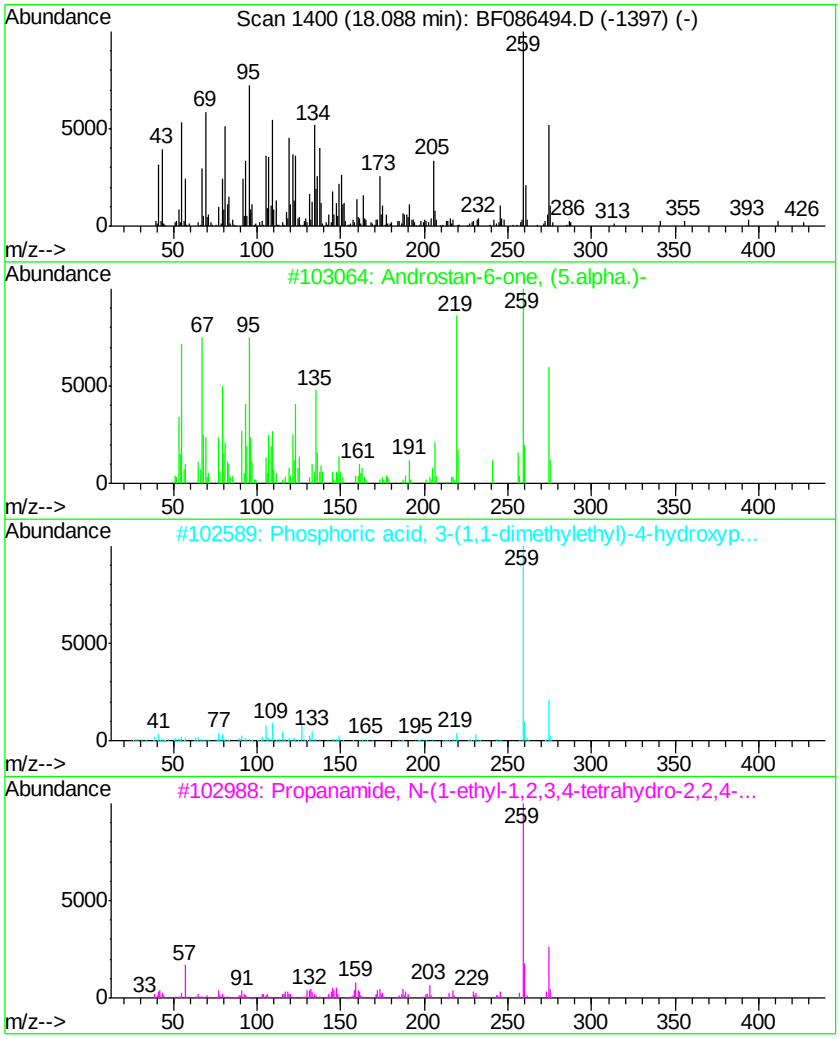
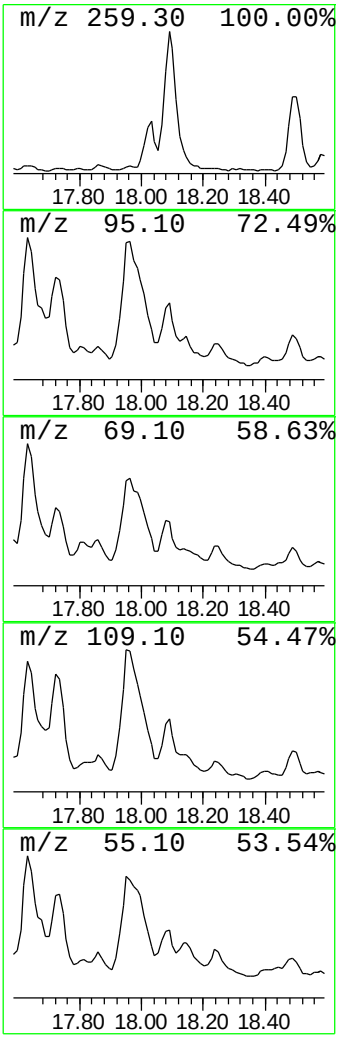
Peak Number 16 Androstan-6-one, (5.alpha.)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	24.59 ng	1021530	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Androstan-6-one, (5.alpha.)-	274	C19H30O	003676-06-0	55
2	Phosphoric acid, 3-(1,1-dimethyl...	274	C12H19O5P	094420-61-8	38
3	Propanamide, N-(1-ethyl-1,2,3,4-...	274	C17H26N2O	063134-09-8	38
4	1,3-Benzenediol, 4-[(4-nitrophen...	259	C12H9N3O4	000074-39-5	35
5	7H-Furo[3,2-g][1]benzopyran-7-on...	274	C15H14O5	054087-32-0	30





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ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : IM-TOPSOIL-004

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TIC Library : C:\DATABASE\NIST02.L
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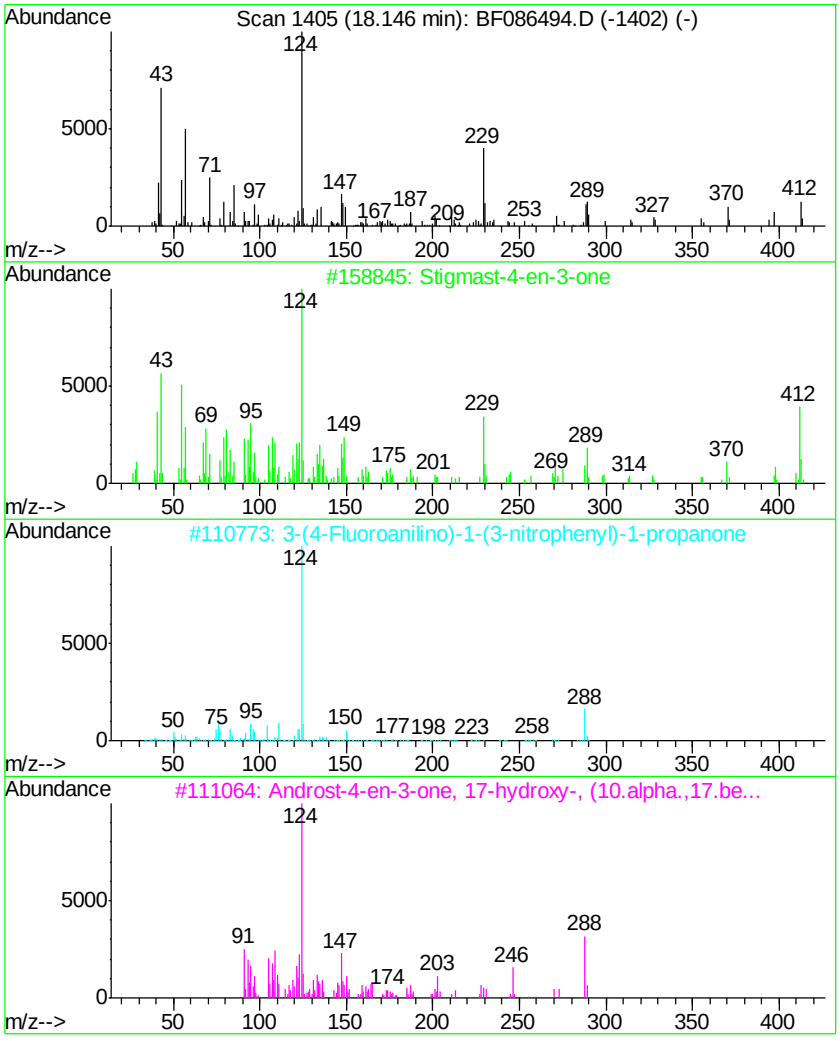
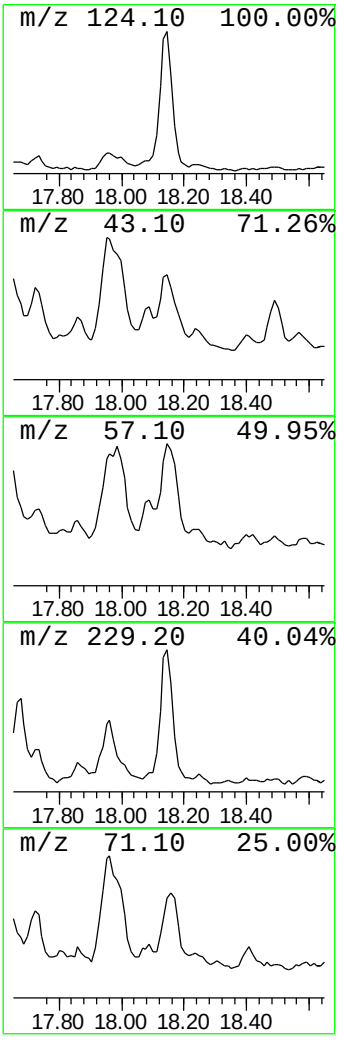
Peak Number 17 unknown18.15 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	24.51 ng	1018170	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	46
2	3-(4-Fluoroanilino)-1-(3-nitroph...	288	C15H13FN2O3	350039-84-8	35
3	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000604-39-7	32
4	6-Methyl-2,4-pyrimidinediamine	124	C5H8N4	001791-73-7	30
5	p-Fluoroatropine dehydrate	289	C17H20FNO2	1000212-74-8	25





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TIC Library : C:\DATABASE\NIST02.L
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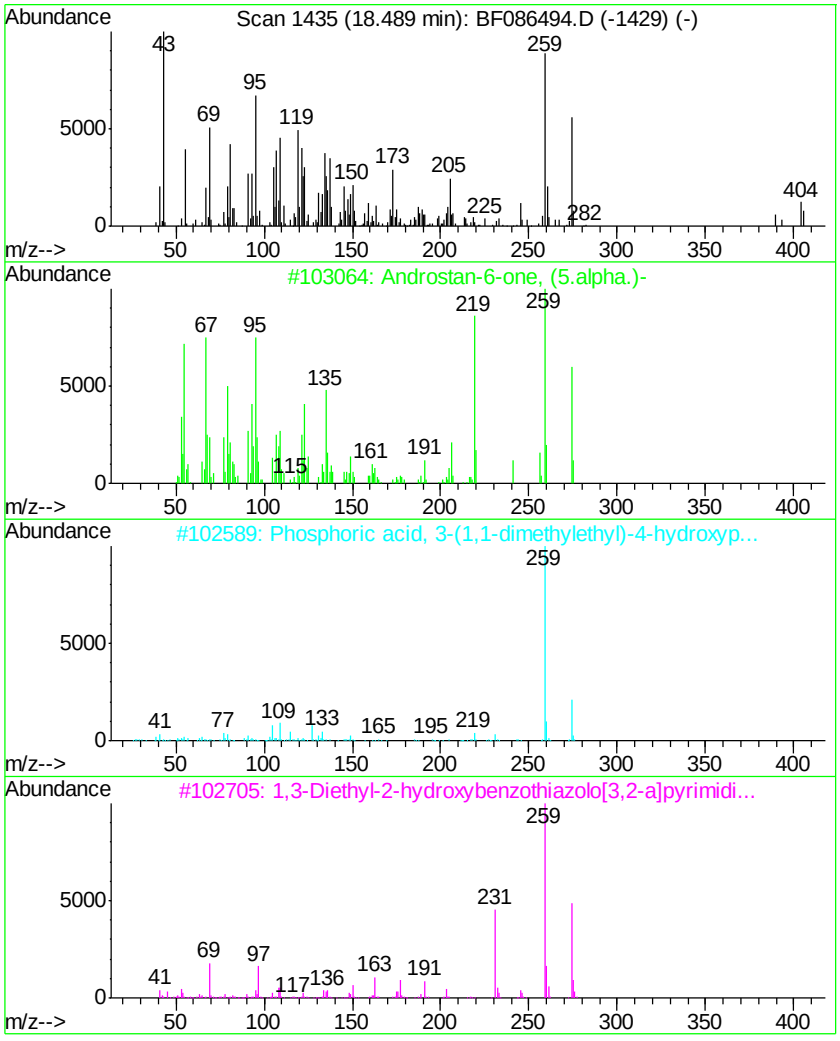
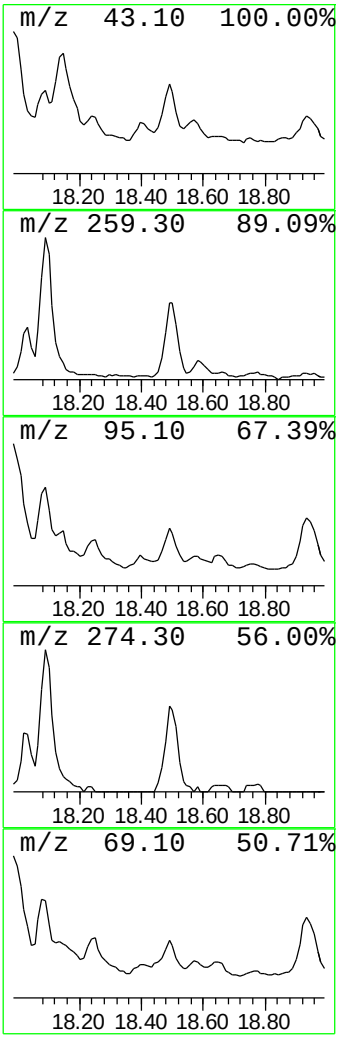
Peak Number 18 unknown18.49 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	20.80 ng	863817	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Androstan-6-one, (5.alpha.)-	274	C19H30O	003676-06-0	47
2	Phosphoric acid, 3-(1,1-dimethyl...	274	C12H19O5P	094420-61-8	43
3	1,3-Diethyl-2-hydroxybenzothiazo...	274	C14H14N2O2S	1000227-15-3	41
4	1-Phenanthrenemethanol, 7-ethenyl...	274	C19H30O	057119-13-8	38
5	2(1H)-Phenanthrenone, 3,4,4a,4b,...	274	C19H30O	007715-44-8	38





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Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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

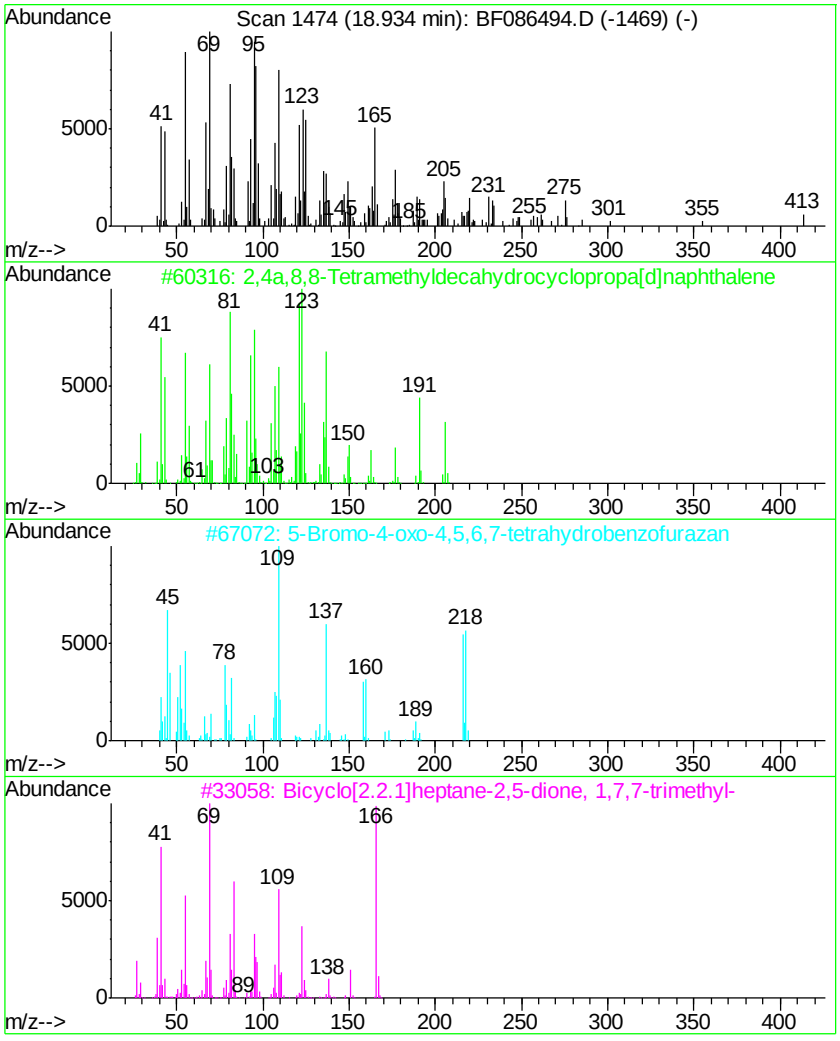
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

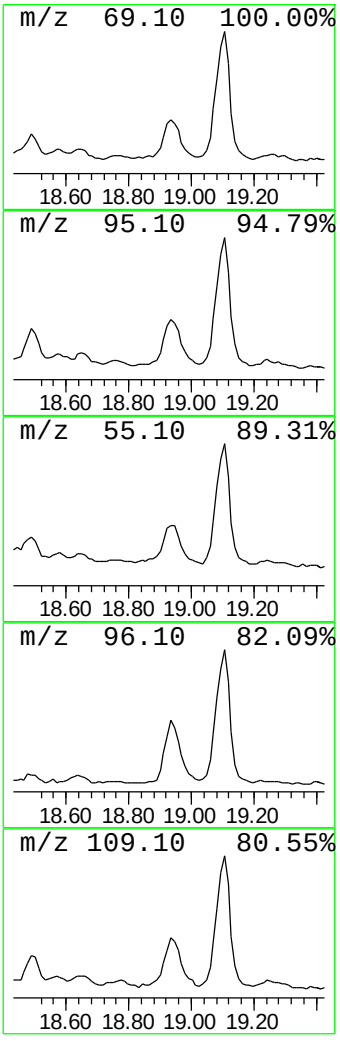
****

Peak Number 19 2,4a,8,8-Tetramethyldecahyd... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	22.62 ng	939329	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4a,8,8-Tetramethyldecahydrocyc...	206	C15H26	074022-04-1	78
2	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	53
3	Bicyclo[2.2.1]heptane-2,5-dione,...	166	C10H14O2	004230-32-4	50
4	Naphthalene, decahydro-1,1-dimet...	166	C12H22	035431-04-0	46
5	Longifolenaldehyde	220	C15H24O	019890-84-7	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IM-TOPSOIL-004

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

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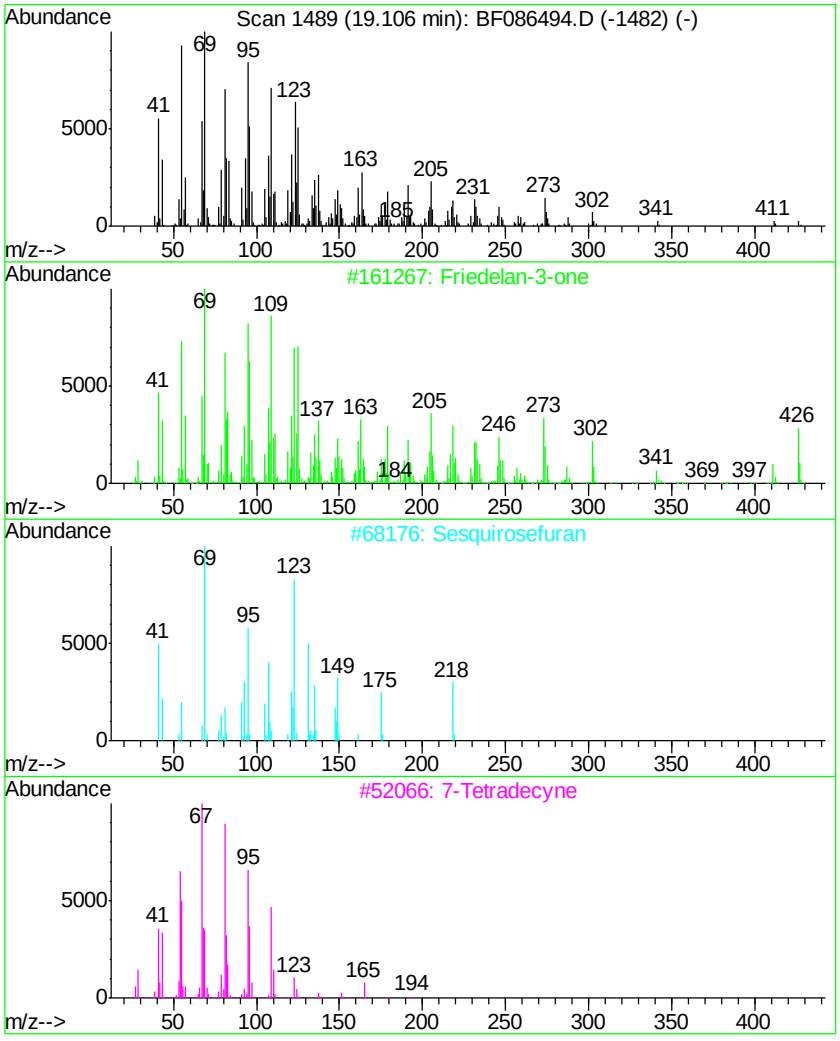
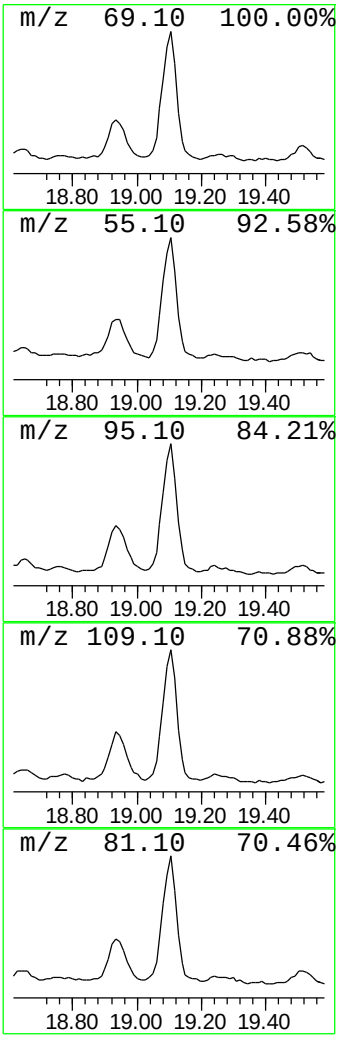
Peak Number 20 Friedelan-3-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	53.53 ng	2223570	Perylene-d12	15.32

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	42
3	7-Tetradecyne	194	C14H26	035216-11-6	41
4	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	38
5	2,4a,8,8-Tetramethyldecahydrocyc...	206	C15H26	074022-04-1	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042916\
Data File : BF086494.D
Acq On : 29 Apr 2016 16:10
Operator : UM/SJ
Sample : H2764-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IM-TOPSOIL-004

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	85.0	ng	5044040	1	6.77	1186810	20.0
Tetratetracontane	14.41	13.3	ng	791582	5	13.93	1186500	20.0
Squalene	14.77	16.5	ng	685646	6	15.32	830709	20.0
Eicosane	15.01	75.4	ng	3133190	6	15.32	830709	20.0
Pentadecane, 8-he...	15.77	67.3	ng	2796950	6	15.32	830709	20.0
Vitamin E	16.02	23.0	ng	955734	6	15.32	830709	20.0
unknown16.72	16.72	21.2	ng	879476	6	15.32	830709	20.0
.gamma.-Sitosterol	17.23	89.6	ng	3723290	6	15.32	830709	20.0
unknown17.27	17.27	85.1	ng	3534040	6	15.32	830709	20.0
4,4,6a,6b,8a,11,1...	17.40	36.5	ng	1518010	6	15.32	830709	20.0
1,4-Dimethyl-8-is...	17.52	17.3	ng	717116	6	15.32	830709	20.0
5-(1-Naphthyl)tri...	17.63	97.2	ng	4036820	6	15.32	830709	20.0
4,4,6a,6b,8a,11,1...	17.73	47.9	ng	1988830	6	15.32	830709	20.0
Hop-22(29)-en-3.b...	17.96	118.4	ng	4917240	6	15.32	830709	20.0
Androstan-6-one, ...	18.09	24.6	ng	1021530	6	15.32	830709	20.0
unknown18.15	18.15	24.5	ng	1018170	6	15.32	830709	20.0
unknown18.49	18.49	20.8	ng	863817	6	15.32	830709	20.0
2,4a,8,8-Tetramet...	18.93	22.6	ng	939329	6	15.32	830709	20.0
Friedelan-3-one	19.11	53.5	ng	2223570	6	15.32	830709	20.0