LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

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-BF061715.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	4.504	121	124	128	rVB	18660	26182	1.65%	0.131%
2	5.556	214	216	218	rBV	318293	325084	20.53%	1.624%
3	5.944	248	250	253	rBV	1018182	957741	60.48%	4.784%
4	6.344	283	285	288	rVB	26521	25309	1.60%	0.126%
5	6.561	303	304	309	rBV	20824	28156	1.78%	0.141%
6	6.939	335	337	339	rBV	1334515	1081340	68.29%	5.401%
7	7.099	349	351	354	rBV	1017173	1017530	64.26%	5.083%
8	7.339	369	372	374	rBV	295082	239286	15.11%	1.195%
9	7.499	384	386	388	rBV	985291	828100	52.30%	4.136%
10	7.887	418	420	423	rBV	575153	581162	36.70%	2.903%
11	8.630	483	485	487	rBV	385411	322954	20.40%	1.613%
12	9.705	575	579	581	rBV	1689624	1371067	86.59%	6.849%
13	10.093	611	613	614	rBV	113493	107000	6.76%	0.534%
14	10.265	626	628	635	rBV2	31815	76416	4.83%	0.382%
15	10.402	638	640	642	rBV	422567	372146	23.50%	1.859%
16	10.813	672	676	678	rBV2	10032	22366	1.41%	0.112%
17	10.950	686	688	691	rVB	28867	25329	1.60%	0.127%
18	11.190	707	709	711	rBV	982710	852051	53.81%	4.256%
19	11.282	715	717	718	rBV	22034	21096	1.33%	0.105%
20	11.305	718	719	722	rVB	14306	17178	1.08%	0.086%
21	11.488	731	735	737	rBV2	19164	35694	2.25%	0.178%
22	11.739	755	757	758	rBV	27705	23533	1.49%	0.118%
23	11.899	769	771	772	rBV	429836	409428	25.86%	2.045%
24	11.979	775	778	779	rVV	93334	80539	5.09%	0.402%
25	12.013	779	781	782	rVB	15407	17389	1.10%	0.087%
26	12.173	792	795	796	rBV	20176	20801	1.31%	0.104%
27	12.242	799	801	802	rVB	17868	17120	1.08%	0.086%
28	12.413	814	816	817	rBV	82785	77382	4.89%	0.387%
29	12.448	817	819	821	rVV	97986	92212	5.82%	0.461%
30	12.493	821	823	825	rVV	32778	31672	2.00%	0.158%
31	12.539	825	827	830	rVB2	92339	165981	10.48%	0.829%
32	12.722	839	843	844	rBV2	37477	37816	2.39%	0.189%
33	12.745	844	845	848	rVB2	25366	27527	1.74%	0.137%
34	12.882	854	857	858	rBV2	24537	30248	1.91%	0.151%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

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-BF061715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.916	858	860	861	rVV	34320	34244	2.16%	0.171%
36	12.996	865	867	869	rVV	83814	122961	7.77%	0.614%
37	13.053	869	872	873	rVV2	55454	135504	8.56%	0.677%
38	13.088	873	875	880	rVV3	82592	216117	13.65%	1.080%
39	13.168	880	882	884	rVV	331532	452077	28.55%	2.258%
40	13.213	884	886	887	rVV2	27892	40986	2.59%	0.205%
41	13.236	887	888	890	rVB	19655	21054	1.33%	0.105%
42	13.339	895	897	901	rBV4	19745	40656	2.57%	0.203%
43	13.431	901	905	907	rBV	429015	576465	36.41%	2.879%
44	13.476	907	909	912	rVB2	25526	32685	2.06%	0.163%
45	13.568	915	917	920	rVV	1615194	1583454	100.00%	7.909%
46	13.659	922	925	930	rBV3	46895	107500	6.79%	0.537%
47	13.785	930	936	940	rBV2	97135	188425	11.90%	0.941%
48	13.865	940	943	945	rBV	61805	70419	4.45%	0.352%
49	13.911	945	947	949	rBV	86758	90219	5.70%	0.451%
50	14.014	955	956	958	rBV	56686	59026	3.73%	0.295%
51	14.059	958	960	963	rVV2	45856	74181	4.68%	0.371%
52	14.151	965	968	969	rBV3	15872	19896	1.26%	0.099%
53	14.219	969	974	975	rBV	16177	35866	2.27%	0.179%
54	14.379	983	988	990	rBV2	36950	99632	6.29%	0.498%
55	14.459	993	995	997	rBV2	20049	24747	1.56%	0.124%
56	14.516	997	1000	1001	rBV2	43563	82219	5.19%	0.411%
57	14.551	1001	1003	1004	rVB	36152	38051	2.40%	0.190%
58	14.596	1004	1007	1012	rBV3	308013	475651	30.04%	2.376%
59	14.676	1012	1014	1016	rVB	52757	47599	3.01%	0.238%
60	14.779	1020	1023	1024	rVV	44404	77276	4.88%	0.386%
61	14.814	1024	1026	1028	rVV2	549571	804493	50.81%	4.018%
62	14.848	1028	1029	1034	rVB	234418	237270	14.98%	1.185%
63	14.928	1034	1036	1037	rBV	16411	26605	1.68%	0.133%
64	14.951	1037	1038	1040	rBV	25768	23568	1.49%	0.118%
65	15.008	1040	1043	1045	rBV3	42215	76826	4.85%	0.384%
66	15.088	1048	1050	1053	rBV3	18394	26381	1.67%	0.132%
67	15.134	1053	1054	1055	rBV	17246	18701	1.18%	0.093%
68	15.214	1059	1061	1063	rBV2	11960	19229	1.21%	0.096%
69	15.259	1063	1065	1066	rBV	22166	28195	1.78%	0.141%
70	15.305	1066	1069	1071	rBV	65170	87149	5.50%	0.435%
71	15.351	1071	1073	1075	rVB	38377	45397	2.87%	0.227%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

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-BF061715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.408	1075	1078	1081	rBV3	245599	370286	23.38%	1.850%
73	15.465	1081	1083	1084	rBV	37826	34980	2.21%	0.175%
74	15.557	1089	1091	1094	rVB2	28503	49175	3.11%	0.246%
75	15.797	1110	1112	1115	rBV2	46078	78996	4.99%	0.395%
76	15.899	1118	1121	1122	rBV2	33090	51574	3.26%	0.258%
77	15.979	1126	1128	1134	rVV2	40215	72084	4.55%	0.360%
78	16.128	1138	1141	1146	rBV	174774	439342	27.75%	2.195%
79	16.231	1147	1150	1151	rVV	135948	196614	12.42%	0.982%
80	16.254	1151	1152	1156	rVV2	93775	156868	9.91%	0.784%
81	16.334	1156	1159	1161	rVB	27072	40459	2.56%	0.202%
82	16.517	1172	1175	1179	rBV	99288	171734	10.85%	0.858%
83	16.585	1179	1181	1185	rVV	140365	210737	13.31%	1.053%
84	16.665	1185	1188	1191	rVV	327060	529953	33.47%	2.647%
85	16.711	1191	1192	1196	rVB3	61288	88449	5.59%	0.442%
86	16.974	1212	1215	1217	rBV3	48358	77578	4.90%	0.388%
87	17.282	1239	1242	1244	rBV	103515	187767	11.86%	0.938%
88	17.340	1244	1247	1252	rVV2	71349	196554	12.41%	0.982%
89	17.431	1253	1255	1257	rVB3	19785	30999	1.96%	0.155%
90	17.580	1266	1268	1269	rBV2	17559	26331	1.66%	0.132%
91	18.300	1327	1331	1335	rBV4	51023	124088	7.84%	0.620%
92	18.517	1346	1350	1362	rVB2	62076	235118	14.85%	1.174%
93	18.700	1363	1366	1368	rBV2	22178	47405	2.99%	0.237%
94	18.780	1369	1373	1379	rVB6	78204	242196	15.30%	1.210%
95	19.077	1395	1399	1406	rVB	55878	160149	10.11%	0.800%
96	19.294	1414	1418	1423	rBV2	75615	233775	14.76%	1.168%
97	19.408	1426	1428	1437	rVB8	54914	166707	10.53%	0.833%
98	19.717	1451	1455	1460	rBV3	66502	195364	12.34%	0.976%
99	20.323	1505	1508	1512	rBV6	21291	59193	3.74%	0.296%
100	20.620	1531	1534	1538	rBV5	15394	39756	2.51%	0.199%

Sum of corrected areas: 20019790

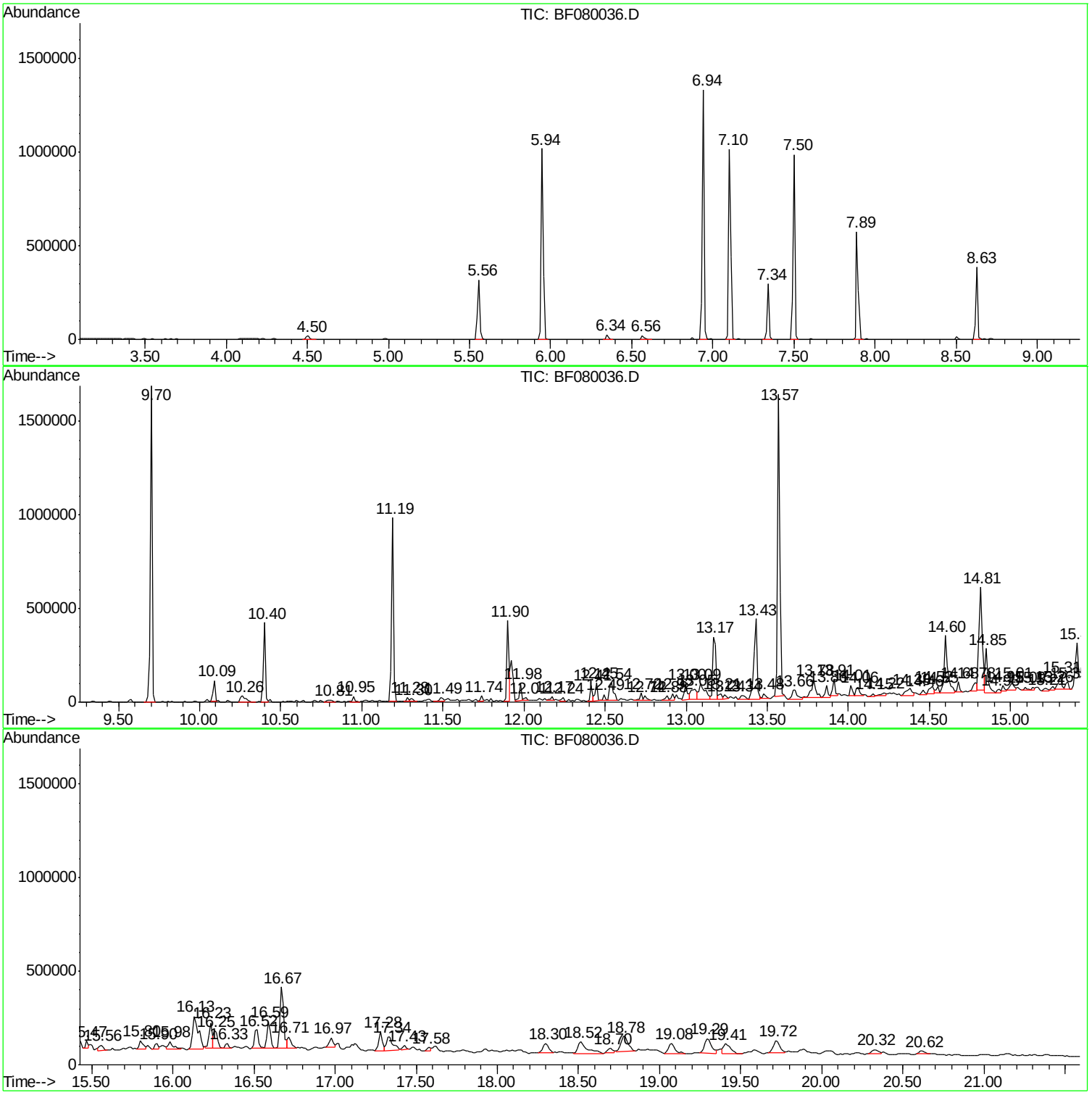
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.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\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

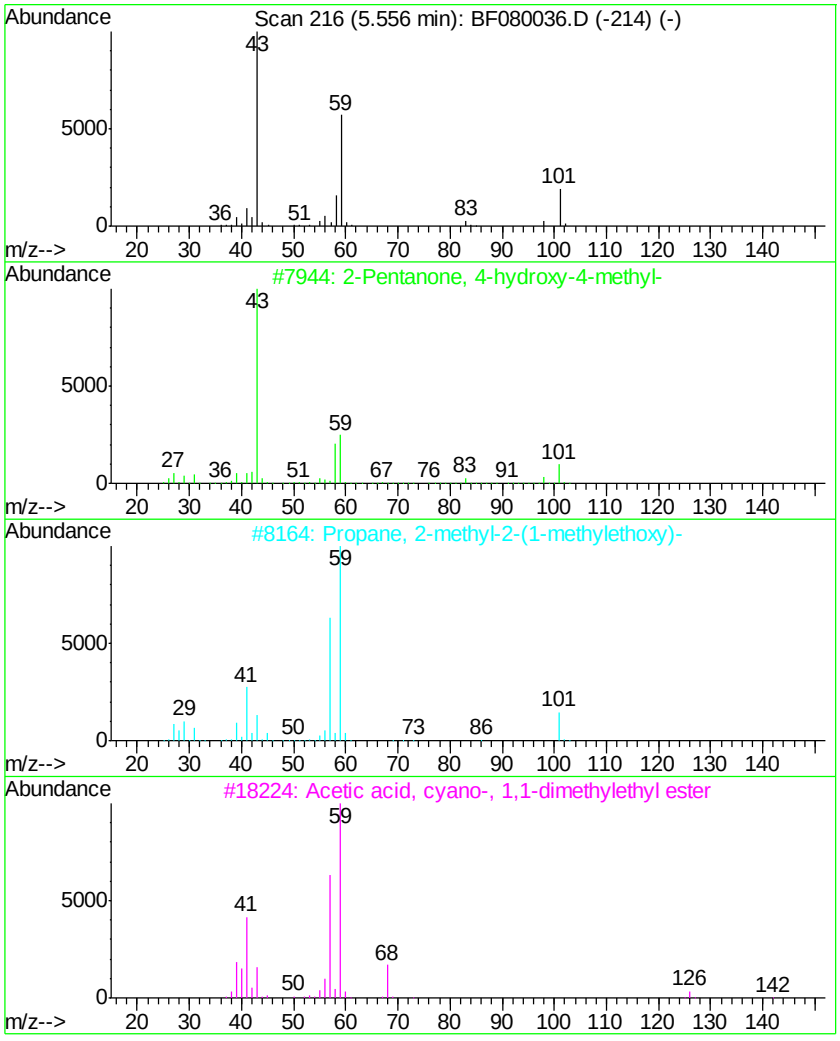
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

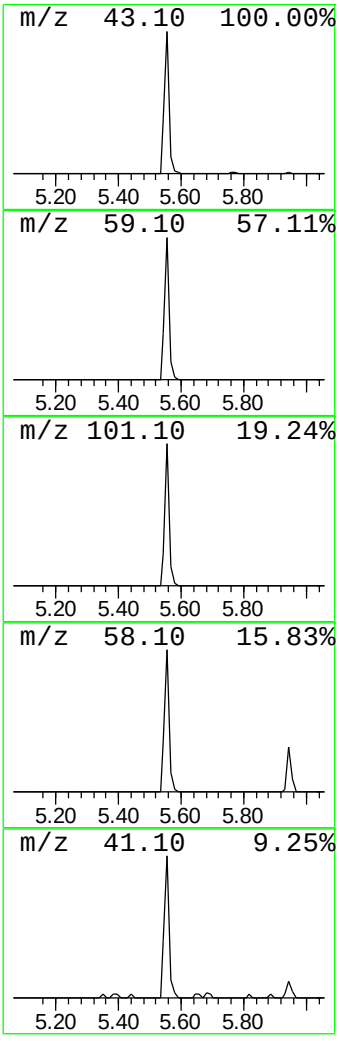
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.56	27.17 ng	325084	1,4-Dichlorobenzene-d4	7.34

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	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

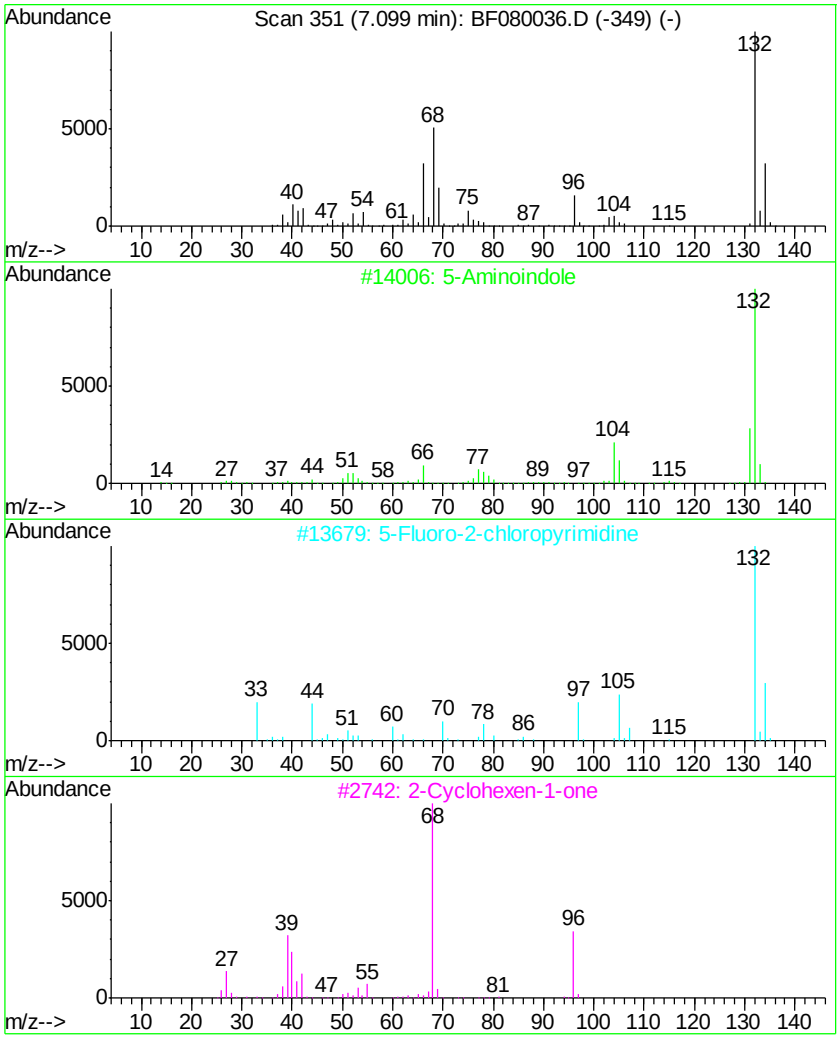
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

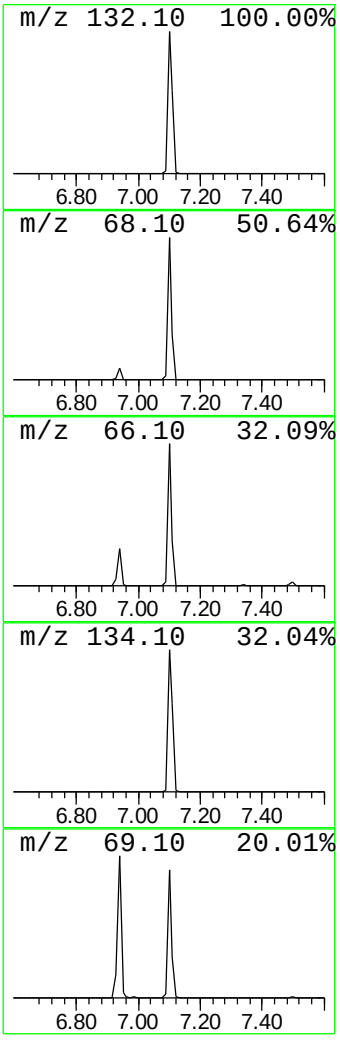
****

Peak Number 2 unknown7.10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	85.05 ng	1017530	1,4-Dichlorobenzene-d4	7.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	22
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

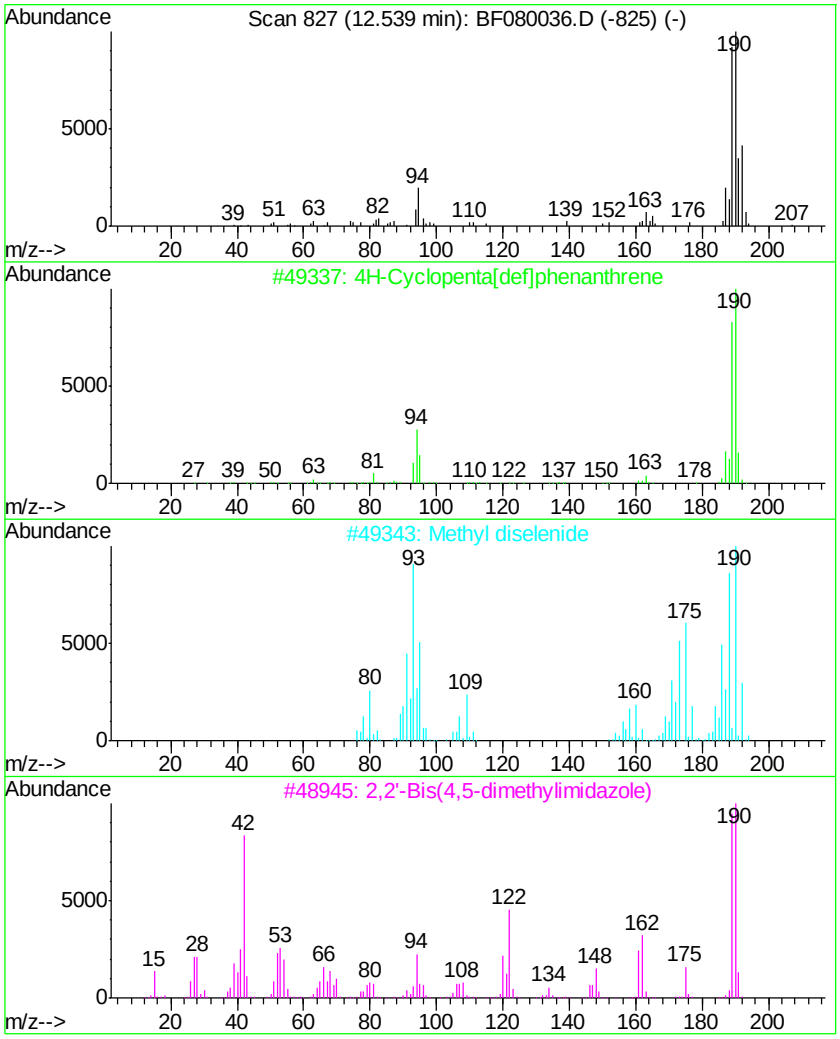
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

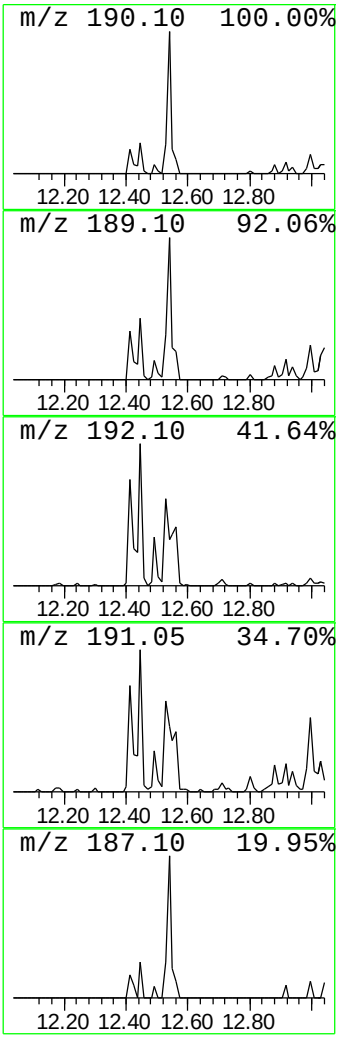
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	8.11 ng	165981	Phenanthrene-d10	11.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Methyl diselenide	190	C2H6Se2	007101-31-7	49
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	17
5	Isoquinoline, 1-chloro-3-ethyl-	191	C11H10ClN	055150-52-2	17





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

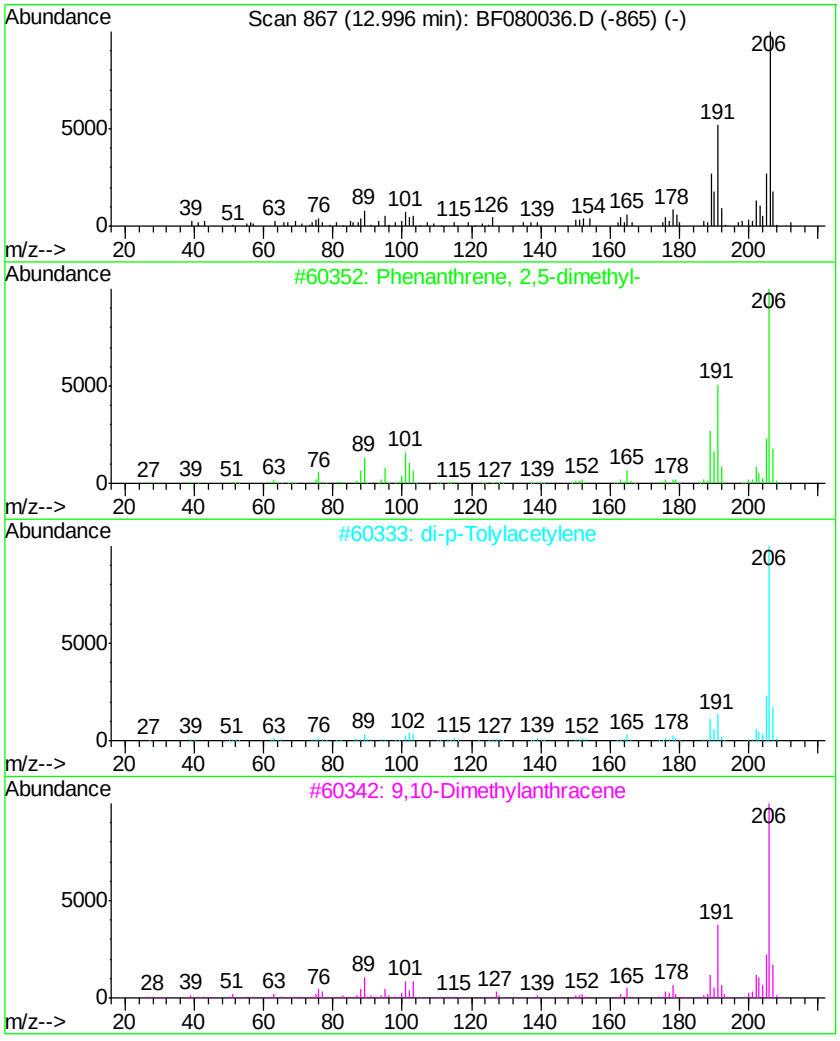
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

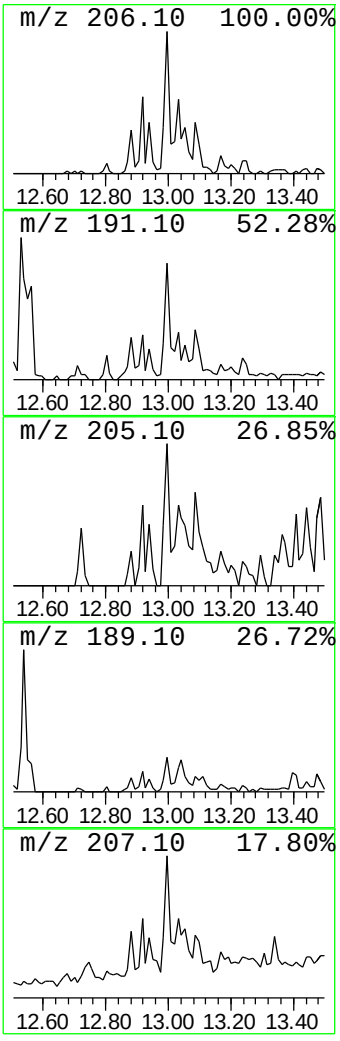
****

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	6.01 ng	122961	Phenanthrene-d10	11.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

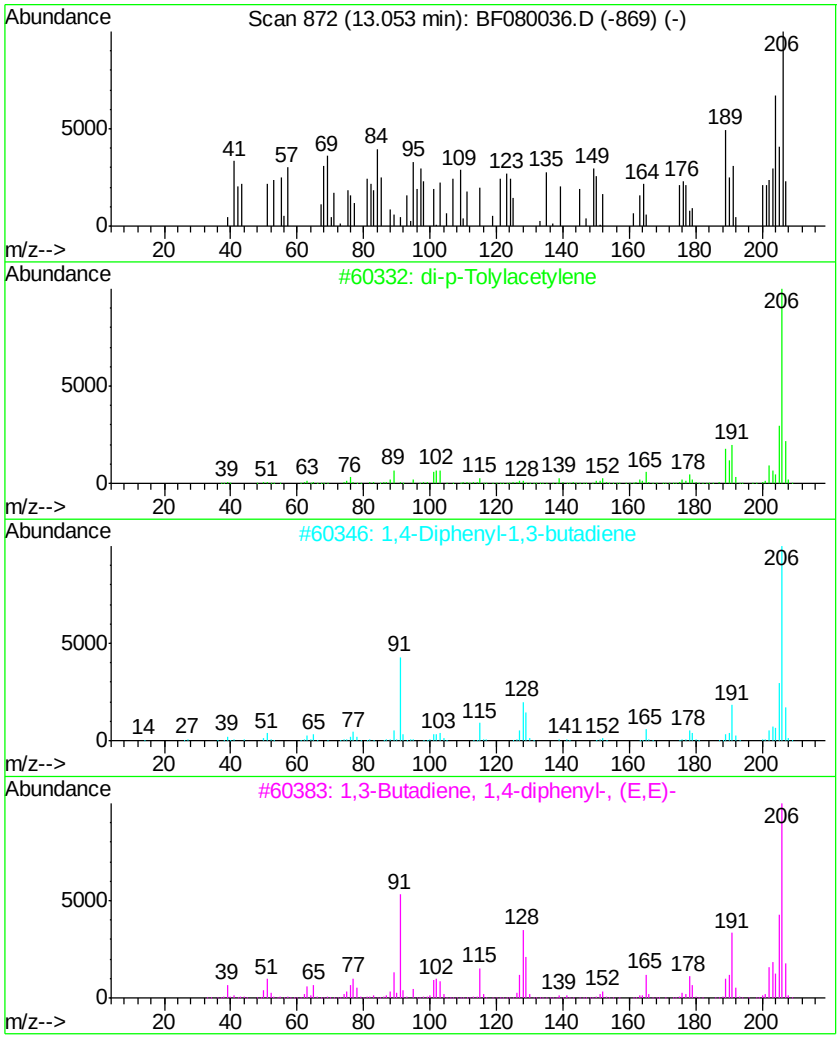
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

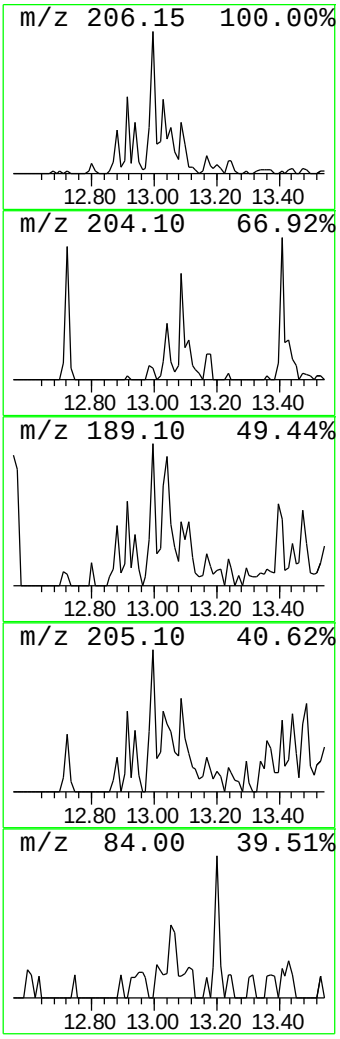
****

Peak Number 6 unknown13.05 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	6.62 ng	135504	Phenanthrene-d10	11.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	43
2	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	38
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	27
5	Dibenzo[b,f][1,4]diazocine	206	C14H10N2	000262-92-0	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

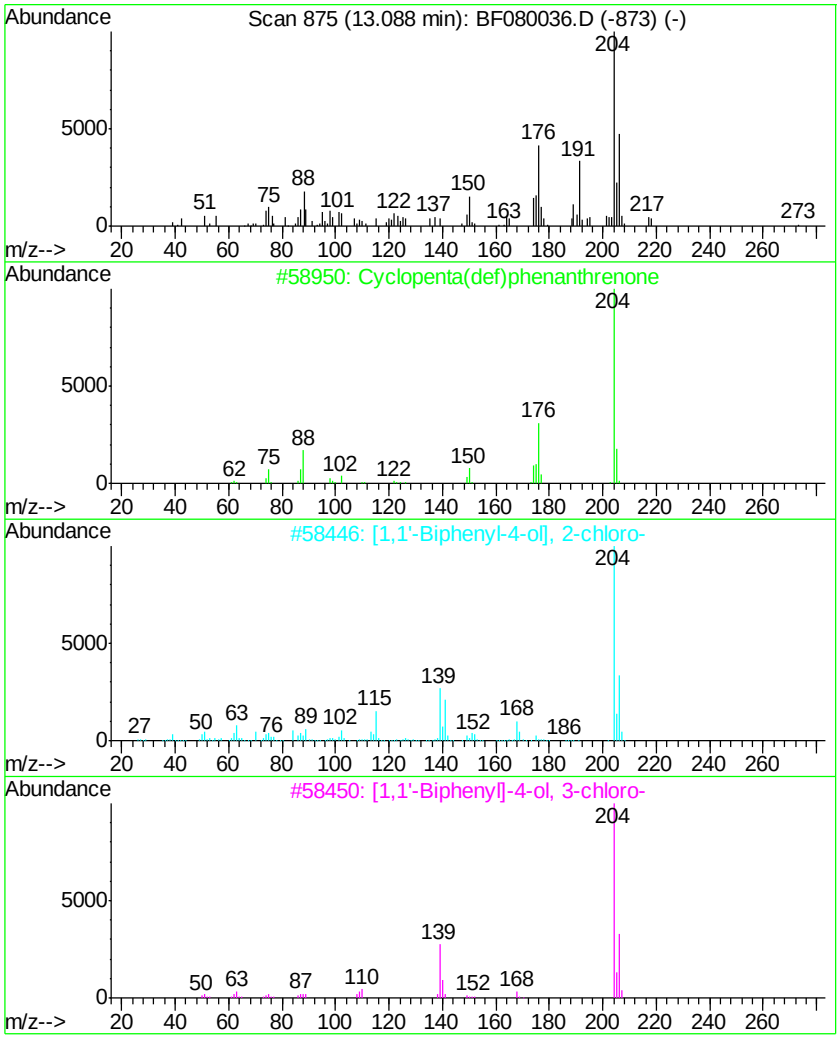
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

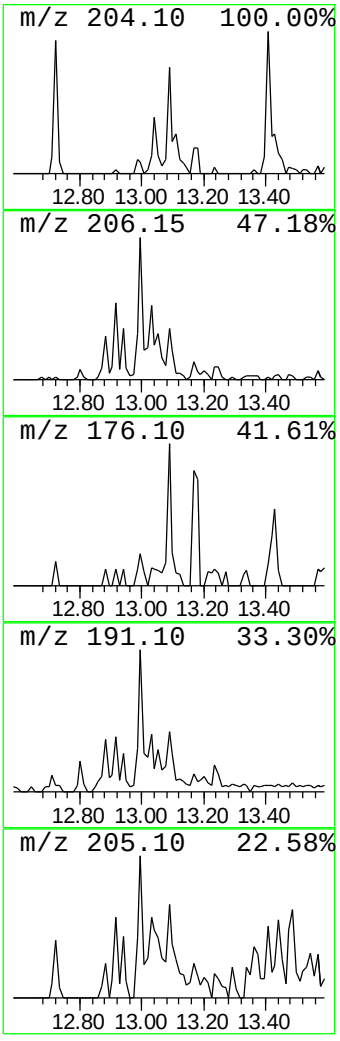
****

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	10.56 ng	216117	Phenanthrene-d10	11.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	43
3	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	43
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

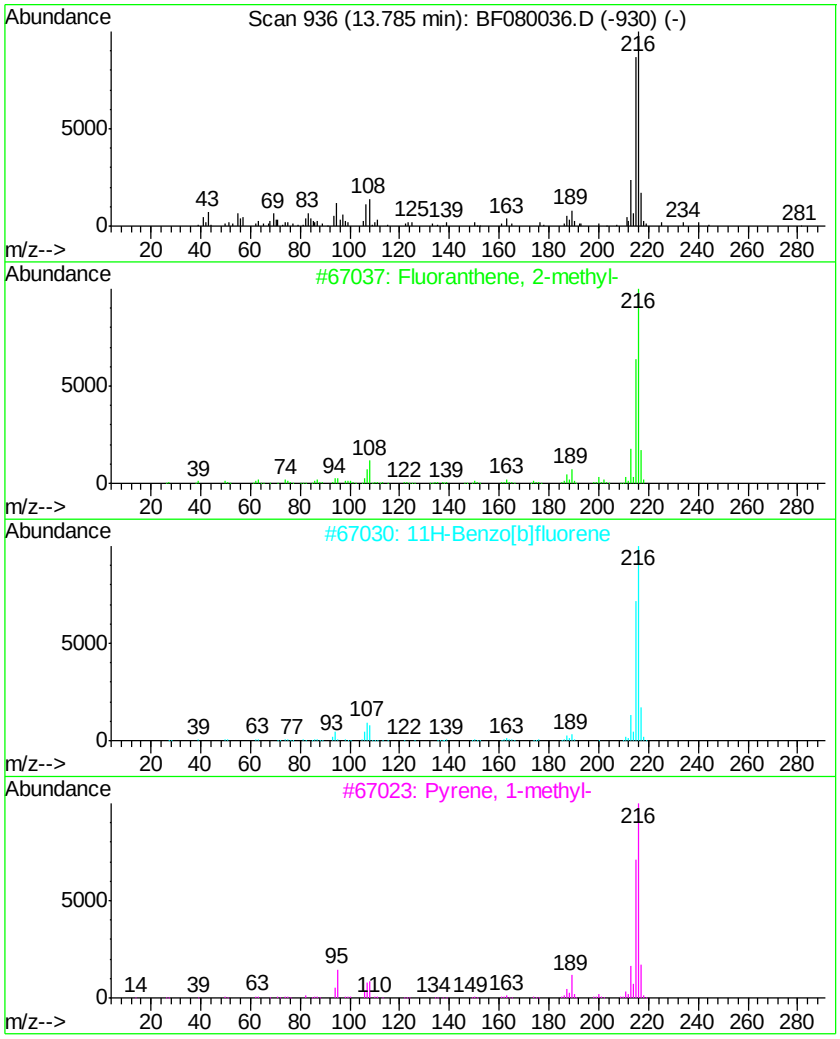
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

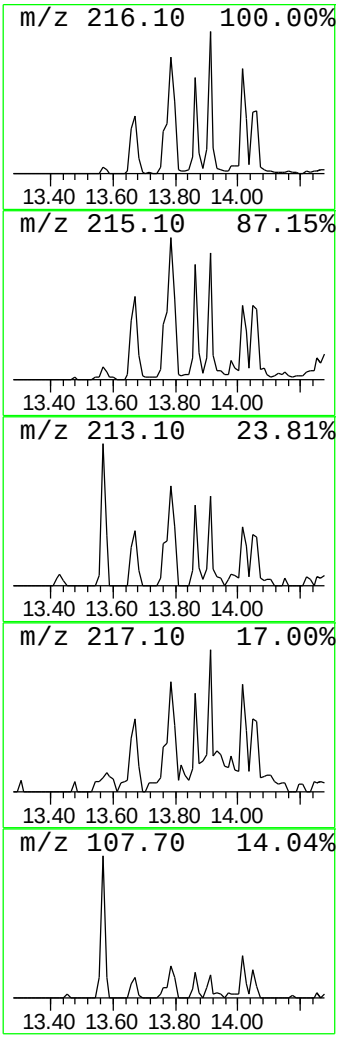
****

Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	4.68 ng	188425	Chrysene-d12	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	76





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

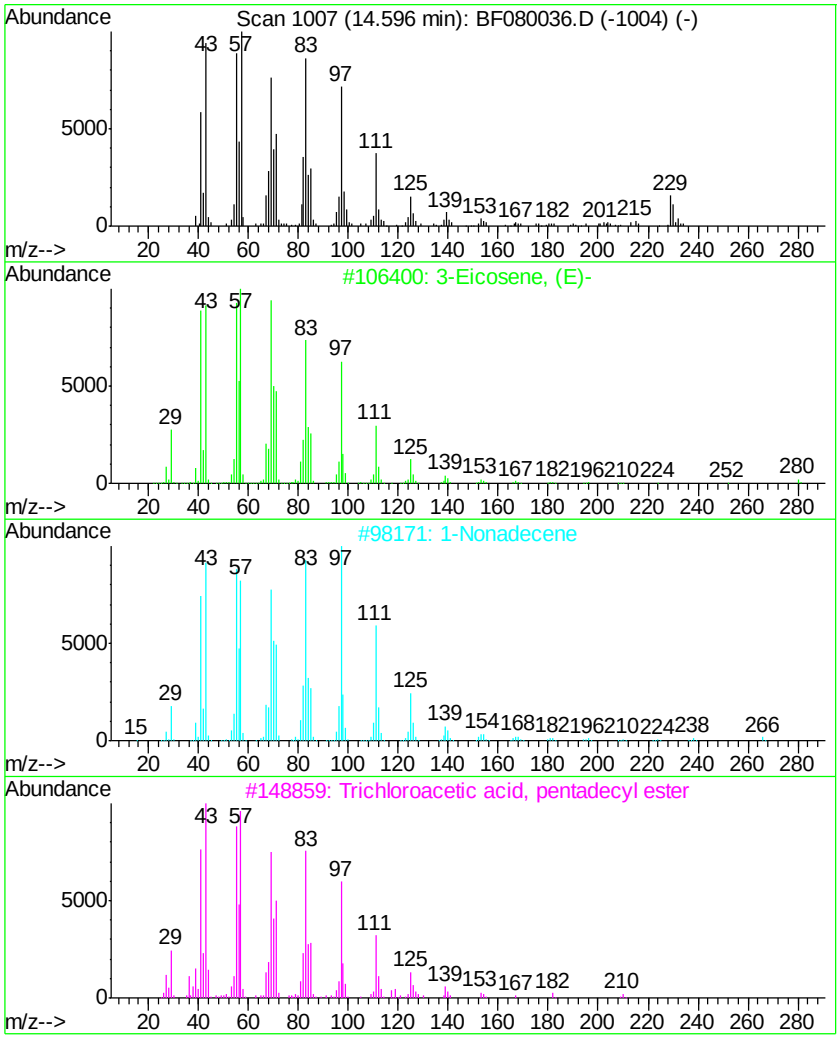
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

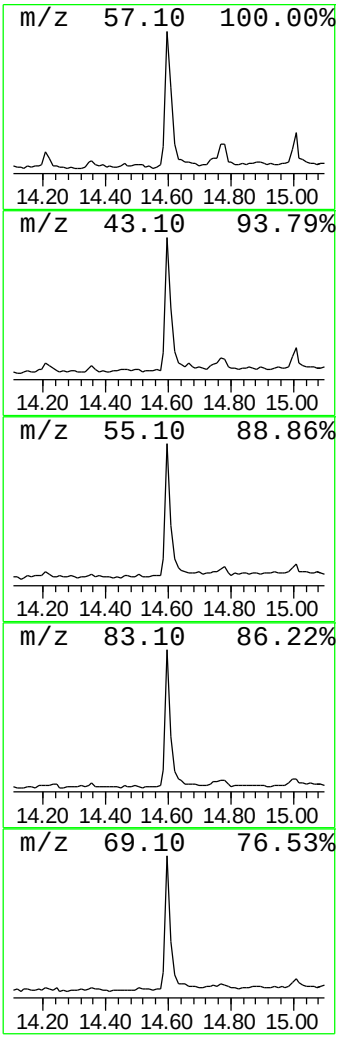
****

Peak Number 9 3-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	11.82 ng	475651	Chrysene-d12	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
2	1-Nonadecene	266	C19H38	018435-45-5	91
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
4	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	91
5	Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

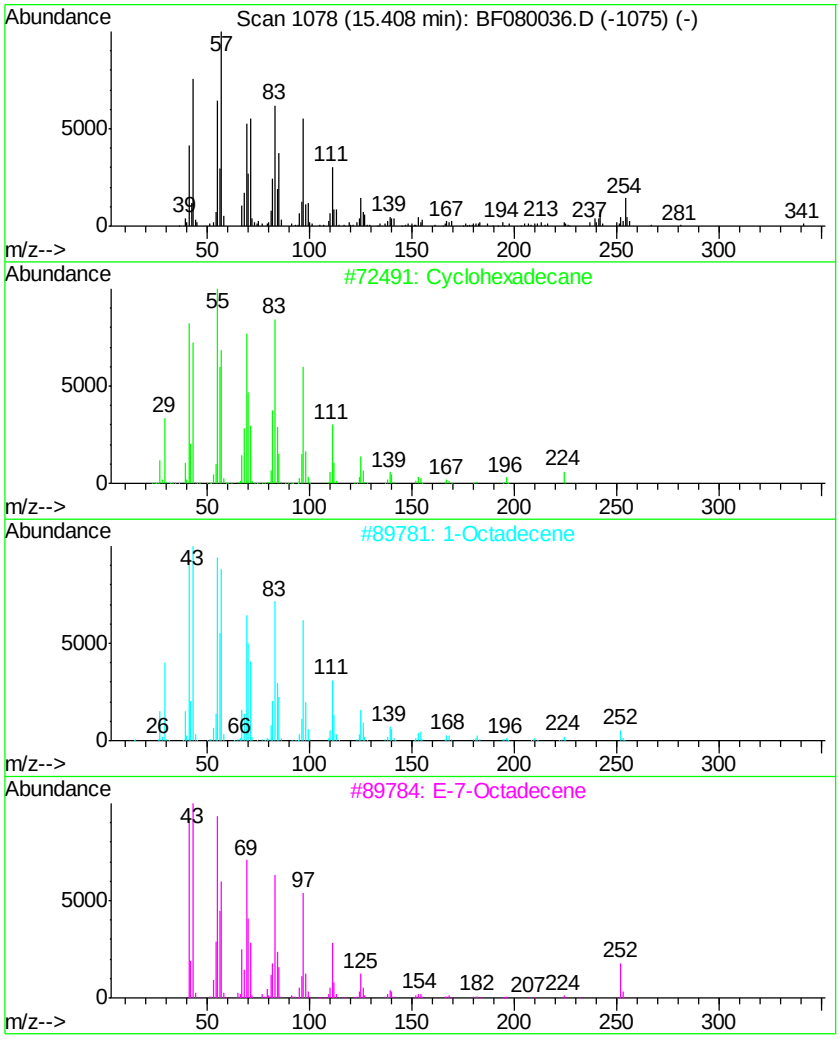
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

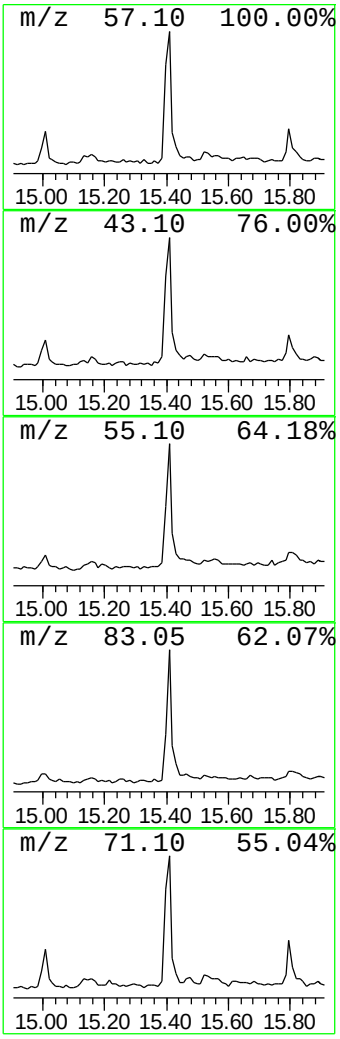
****

Peak Number 10 Cyclohexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	9.21 ng	370286	Chrysene-d12	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	1-Octadecene	252	C18H36	000112-88-9	95
3	E-7-Octadecene	252	C18H36	1000130-92-0	93
4	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	90
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

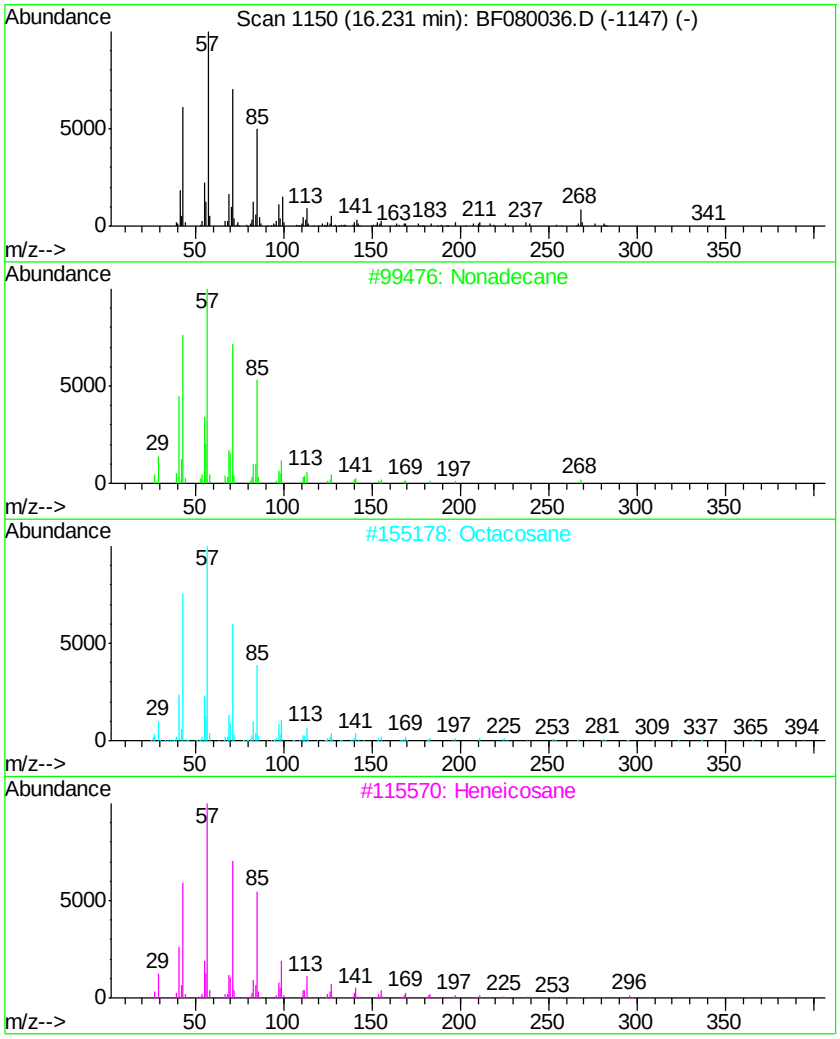
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

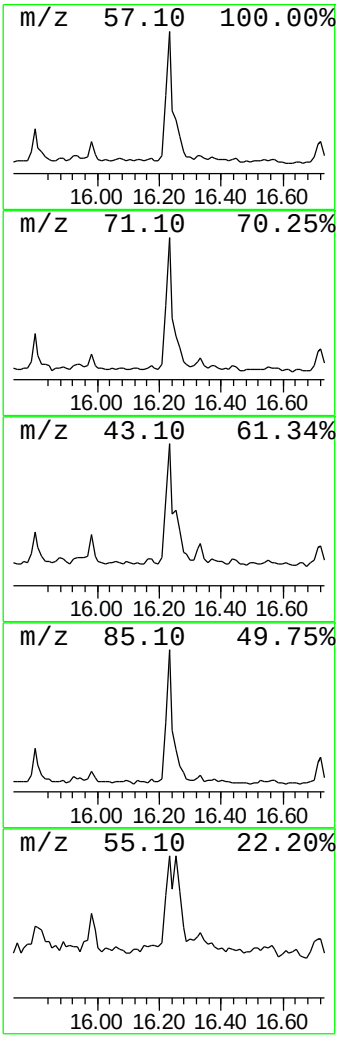
****

Peak Number 11 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	7.42 ng	196614	Perylene-d12	16.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Octacosane	394	C28H58	000630-02-4	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Tetracosane	338	C24H50	000646-31-1	87
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

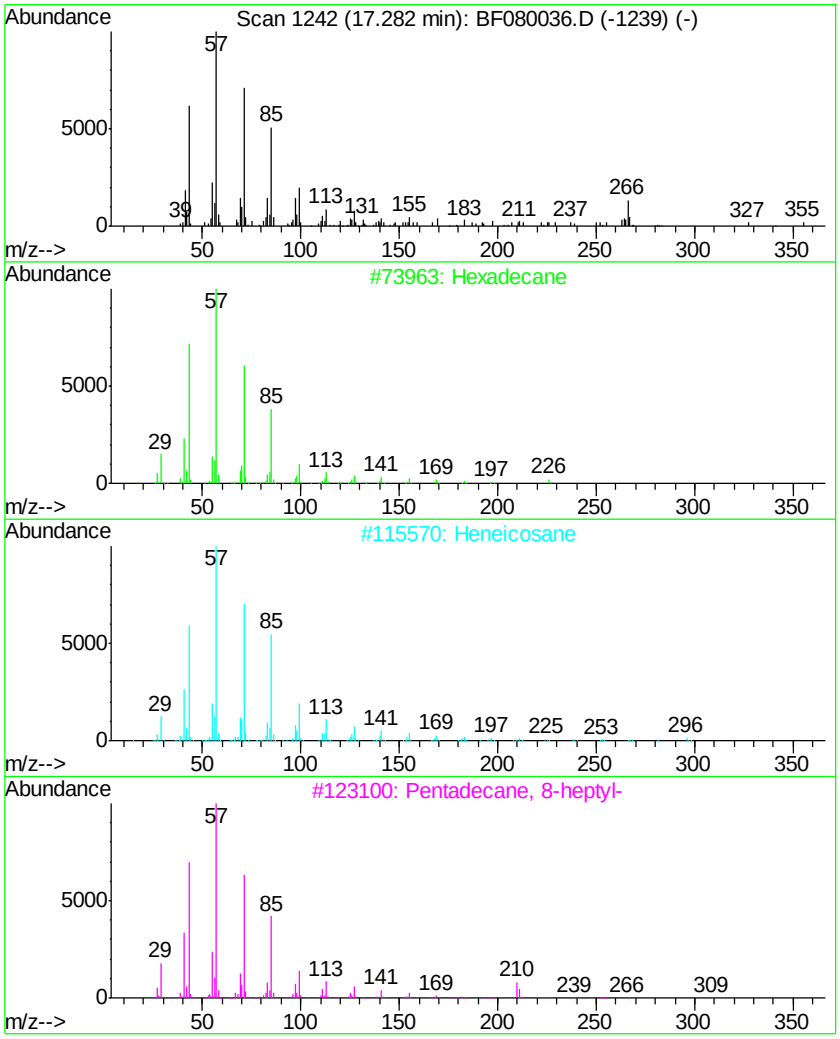
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

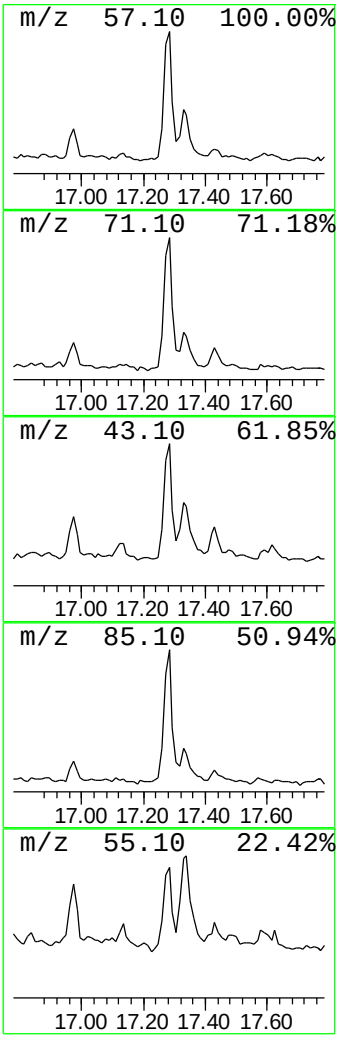
****

Peak Number 14 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	7.09 ng	187767	Perylene-d12	16.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Heneicosane	296	C21H44	000629-94-7	74
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	74
4	Tetracosane	338	C24H50	000646-31-1	72
5	Tetratriacontane	479	C34H70	014167-59-0	68





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

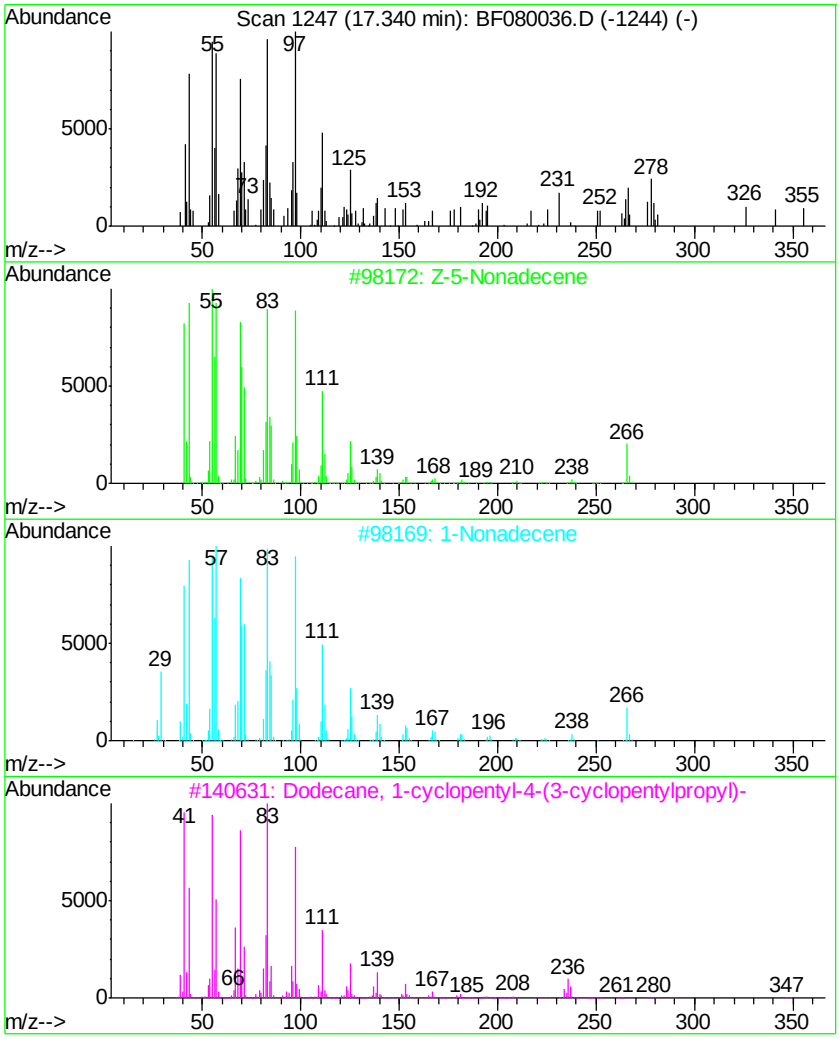
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

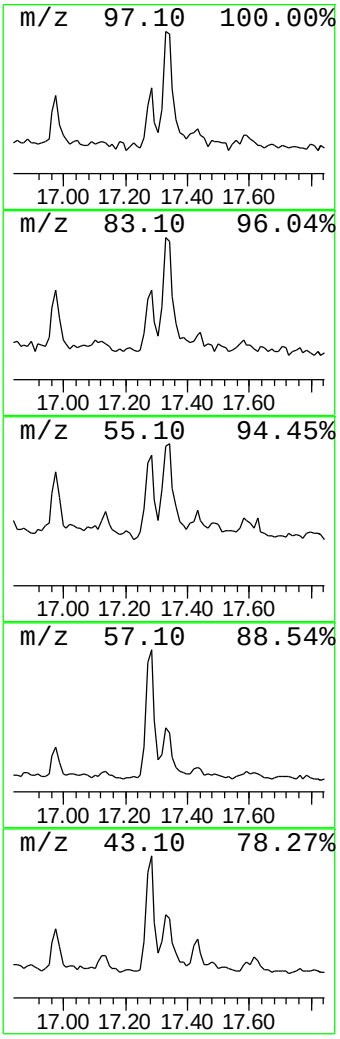
****

Peak Number 15 Z-5-Nonadecene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	7.42 ng	196554	Perylene-d12	16.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-5-Nonadecene	266	C19H38	1000131-11-8	81
2	1-Nonadecene	266	C19H38	018435-45-5	72
3	Dodecane, 1-cyclopentyl-4-(3-cyc...	348	C25H48	007225-68-5	62
4	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	58
5	9-Nonadecene	266	C19H38	031035-07-1	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

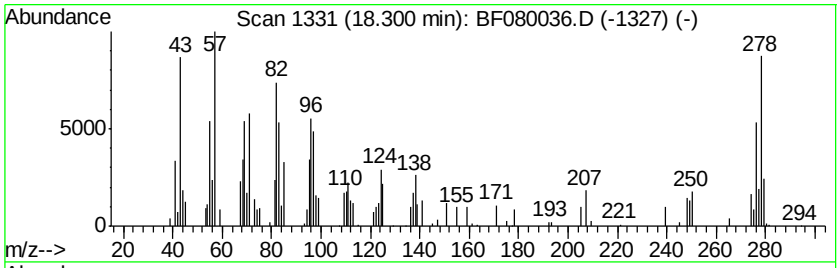
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

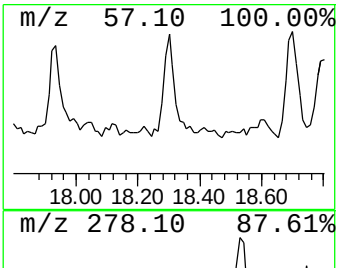
****

Peak Number 16 Bicyclo[10.8.0]eicosane, cis- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	4.68 ng	124088	Perylene-d12	16.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[10.8.0]eicosane, cis-	278	C20H38	1000155-82-2	62
2	1,19-Eicosadiene	278	C20H38	014811-95-1	46
3	8-Azabicyclo[3.2.1]octan-3-ol, 8...	141	C8H15NO	000120-29-6	38
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	30
5	18-Nonadecen-1-ol	282	C19H38O	1000142-89-2	30





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

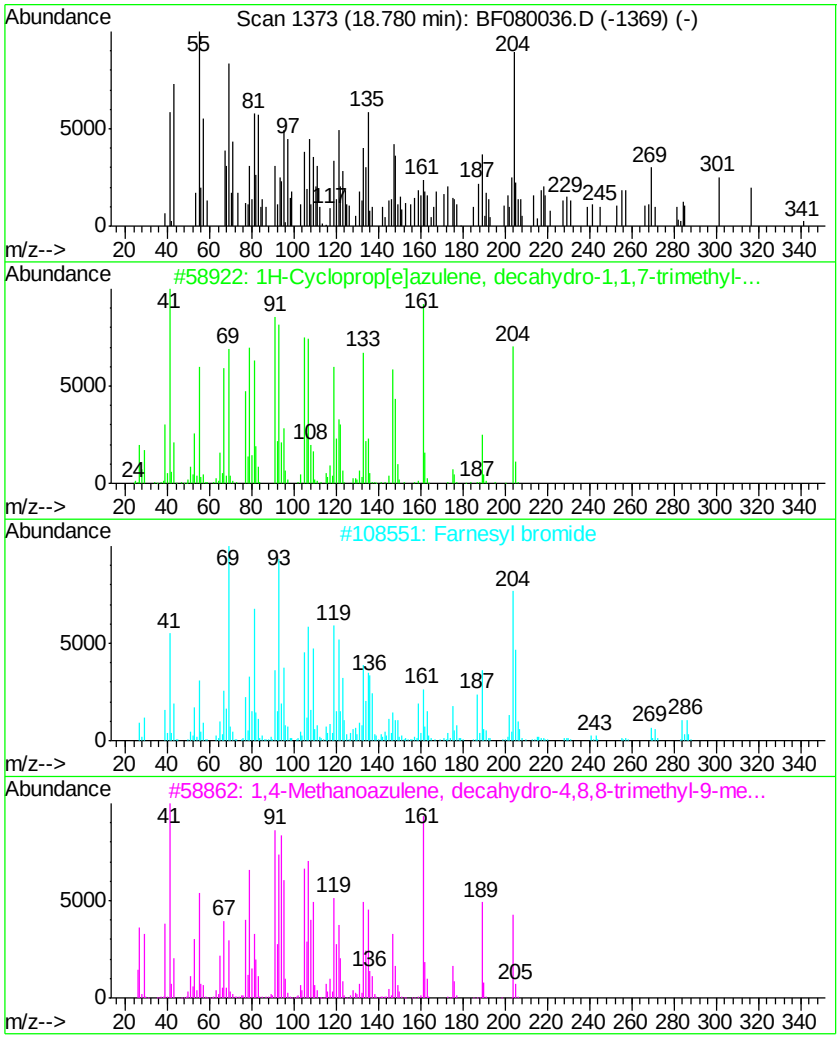
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

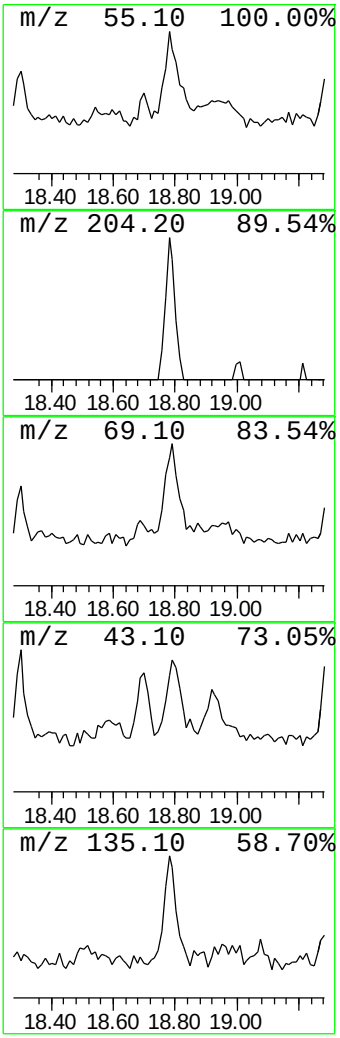
****

Peak Number 17 1H-Cycloprop[e]azulene, dec... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	9.14 ng	242196	Perylene-d12	16.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cycloprop[e]azulene, decahydr...	204	C15H24	000489-39-4	64
2	Farnesyl bromide	284	C15H25Br	006874-67-5	55
3	1,4-Methanoazulene, decahydro-4,...	204	C15H24	000475-20-7	46
4	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	43
5	Cyclohexene, 1-methyl-4-(5-methy...	204	C15H24	000495-61-4	41





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

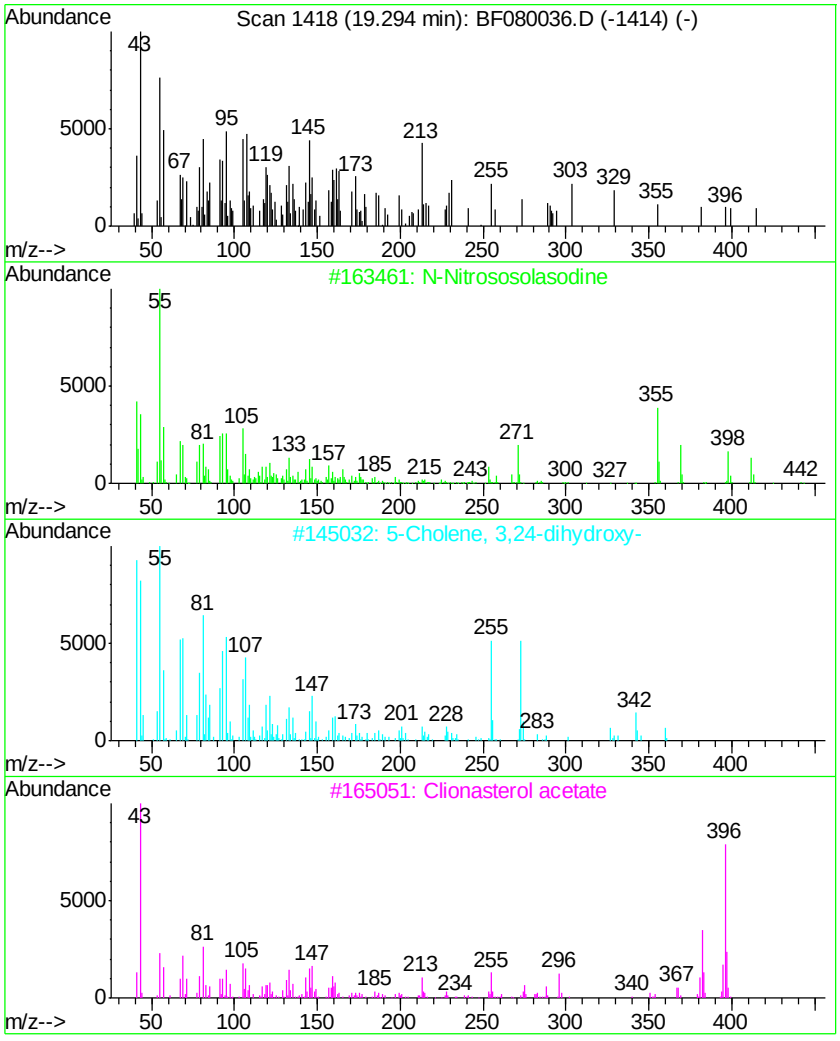
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

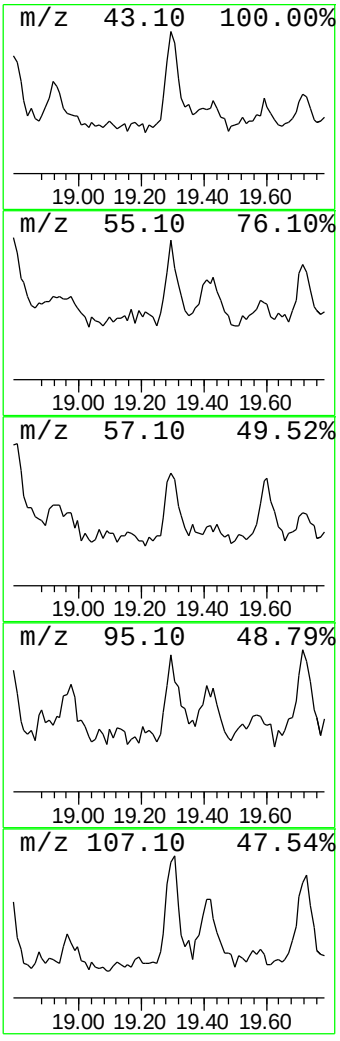
****

Peak Number 18 unknown19.29 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	8.82 ng	233775	Perylene-d12	16.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Nitrososolasodine	442	C27H42N2O3	004860-12-2	16
2	5-Cholene, 3,24-dihydroxy-	360	C24H40O2	1000251-69-2	10
3	Clionasterol acetate	456	C31H52O2	004651-54-1	9
4	.beta.-Sitosterol acetate	456	C31H52O2	000915-05-9	9
5	3.beta.-Acetoxy-16-isothiocyanat...	415	C24H33NO3S	006084-08-8	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

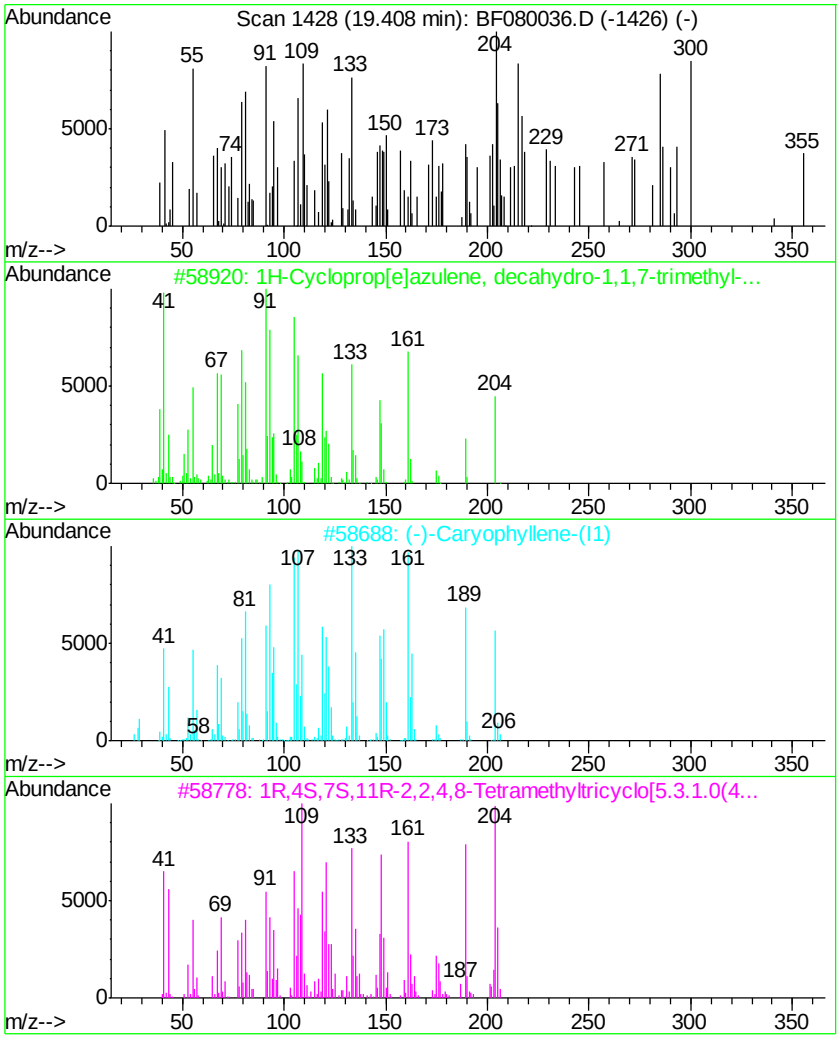
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

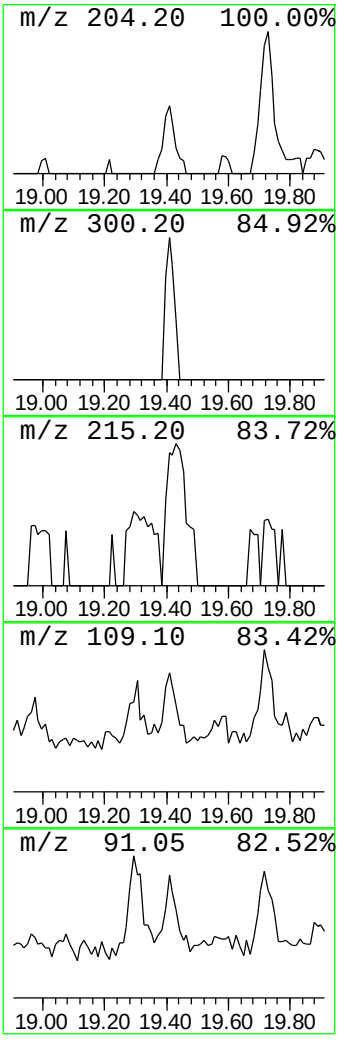
****

Peak Number 19 unknown19.41 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.41	6.29 ng	166707	Perylene-d12	16.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cycloprop[e]azulene, decahydr...	204	C15H24	025246-27-9	45
2	(-)-Caryophyllene-(I1)	204	C15H24	1000156-13-1	35
3	1R,4S,7S,11R-2,2,4,8-Tetramethyl...	204	C15H24	1000140-07-6	18
4	1,3-Dimethyl-5-(propen-1-yl)adam...	204	C15H24	057040-48-9	15
5	Aciphyllene	204	C15H24	087745-31-1	11





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

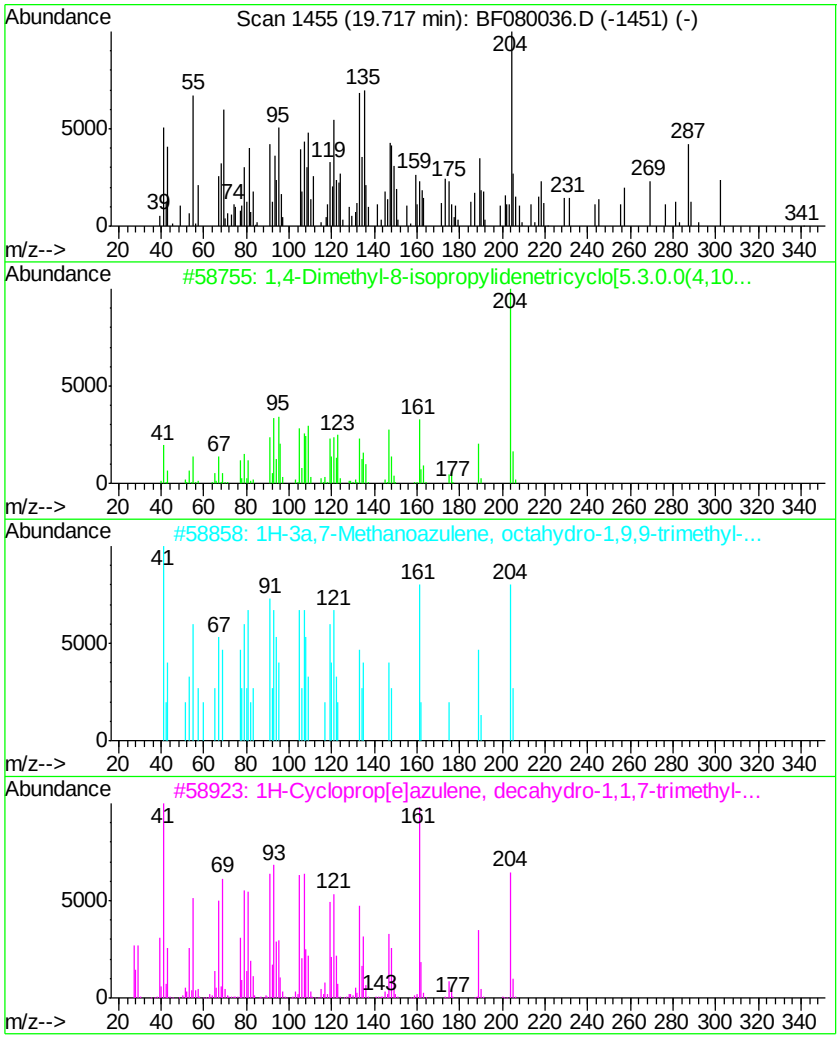
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

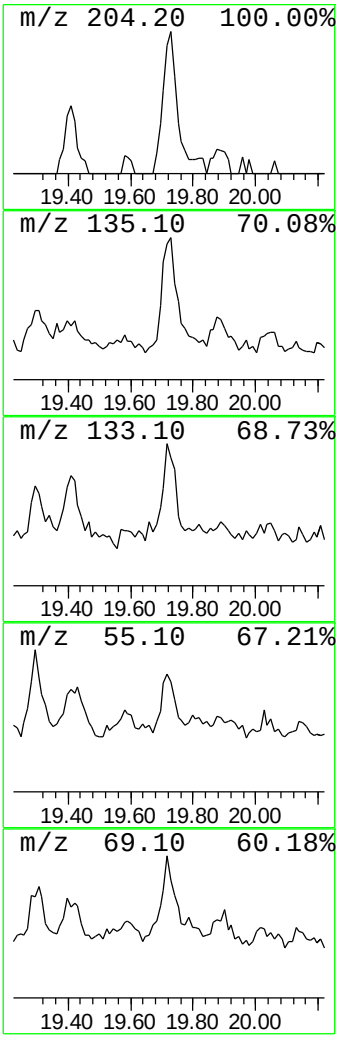
****

Peak Number 20 1,4-Dimethyl-8-isopropylide... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	7.37 ng	195364	Perylene-d12	16.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	58
2	1H-3a,7-Methanoazulene, octahydr...	204	C15H24	000508-55-4	49
3	1H-Cycloprop[e]azulene, decahydr...	204	C15H24	000489-39-4	43
4	Aciphyllene	204	C15H24	087745-31-1	38
5	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061715\
Data File : BF080036.D
Acq On : 17 Jun 2015 21:59
Operator : TP/IZ
Sample : G2649-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AST-HC-001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.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...	5.56	27.2	ng	325084	1	7.34	239286	20.0
unknown7.10	7.10	85.0	ng	1017530	1	7.34	239286	20.0
4H-Cyclopenta[def...	12.54	8.1	ng	165981	4	11.90	409428	20.0
Phenanthrene, 2,5...	13.00	6.0	ng	122961	4	11.90	409428	20.0
unknown13.05	13.05	6.6	ng	135504	4	11.90	409428	20.0
Cyclopenta(def)ph...	13.09	10.6	ng	216117	4	11.90	409428	20.0
Fluoranthene, 2-m...	13.78	4.7	ng	188425	5	14.81	804493	20.0
3-Eicosene, (E)-	14.60	11.8	ng	475651	5	14.81	804493	20.0
Cyclohexadecane	15.41	9.2	ng	370286	5	14.81	804493	20.0
Nonadecane	16.23	7.4	ng	196614	6	16.67	529953	20.0
Hexadecane	17.28	7.1	ng	187767	6	16.67	529953	20.0
Z-5-Nonadecene	17.34	7.4	ng	196554	6	16.67	529953	20.0
Bicyclo[10.8.0]ei...	18.30	4.7	ng	124088	6	16.67	529953	20.0
1H-Cycloprop[e]az...	18.78	9.1	ng	242196	6	16.67	529953	20.0
unknown19.29	19.29	8.8	ng	233775	6	16.67	529953	20.0
unknown19.41	19.41	6.3	ng	166707	6	16.67	529953	20.0
1,4-Dimethyl-8-is...	19.72	7.4	ng	195364	6	16.67	529953	20.0