LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

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-BF092016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.644	4	5	54	rVB	2652555	7558951	100.00%	12.038%
2	4.559	257	260	269	rBV	323676	525651	6.95%	0.837%
3	5.039	299	302	304	rBV	2200996	2432680	32.18%	3.874%
4	6.136	395	398	400	rBV	2220757	2425011	32.08%	3.862%
5	6.239	405	407	410	rVV	2152609	2349932	31.09%	3.742%
6	6.479	426	428	430	rBV	591319	685193	9.06%	1.091%
7	6.627	439	441	444	rBV	1704997	1874378	24.80%	2.985%
8	7.050	475	478	480	rBV	1633099	1650909	21.84%	2.629%
9	7.759	538	540	543	rBV	852050	883323	11.69%	1.407%
10	8.845	632	635	637	rBV	1751949	2239668	29.63%	3.567%
11	9.245	667	670	672	rBV	663207	777898	10.29%	1.239%
12	9.496	690	692	695	rVB	891667	907419	12.00%	1.445%
13	10.285	758	761	763	rBV	1303931	1311828	17.35%	2.089%
14	10.433	772	774	777	rVB	90096	122570	1.62%	0.195%
15	10.971	818	821	823	rBV	731231	790660	10.46%	1.259%
16	11.531	868	870	874	rBV2	61306	76598	1.01%	0.122%
17	12.091	916	919	920	rBV	109931	100619	1.33%	0.160%
18	12.377	942	944	947	rBV3	118242	111156	1.47%	0.177%
19	12.548	956	959	962	rBV	1257736	1131910	14.97%	1.803%
20	12.788	978	980	981	rBV	69753	123953	1.64%	0.197%
21	12.811	981	982	984	rVB	456246	364367	4.82%	0.580%
22	13.051	998	1003	1005	rBV2	72405	113711	1.50%	0.181%
23	13.108	1005	1008	1013	rVV5	89290	238346	3.15%	0.380%
24	13.177	1013	1014	1016	rVV	500378	594490	7.86%	0.947%
25	13.211	1016	1017	1018	rVV	107224	87759	1.16%	0.140%
26	13.325	1024	1027	1031	rVB	490843	847803	11.22%	1.350%
27	13.417	1032	1035	1037	rVB	1753691	1684816	22.29%	2.683%
28	13.462	1037	1039	1043	rBV2	1233297	1973151	26.10%	3.142%
29	13.577	1046	1049	1052	rVB	853199	1269203	16.79%	2.021%
30	13.737	1061	1063	1065	rVB	62361	90095	1.19%	0.143%
31	13.794	1065	1068	1073	rBV2	119537	194723	2.58%	0.310%
32	13.908	1076	1078	1081	rVB	118157	109219	1.44%	0.174%
33	14.057	1088	1091	1092	rBV2	57200	86673	1.15%	0.138%
34	14.102	1092	1095	1098	rVV	2013411	2640727	34.94%	4.205%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

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-BF092016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.148	1098	1099	1103	rVV	137754	143873	1.90%	0.229%
36	14.217	1103	1105	1108	rVV3	53861	88446	1.17%	0.141%
37	14.342	1114	1116	1118	rVV	76042	95512	1.26%	0.152%
38	14.411	1118	1122	1124	rVV4	145971	373117	4.94%	0.594%
39	14.445	1124	1125	1127	rVV	97447	79775	1.06%	0.127%
40	14.514	1128	1131	1133	rVB	378841	502739	6.65%	0.801%
41	14.685	1142	1146	1149	rBV	1627310	2515315	33.28%	4.006%
42	14.731	1149	1150	1154	rVV	293155	285749	3.78%	0.455%
43	14.800	1154	1156	1159	rVB	75917	98933	1.31%	0.158%
44	14.903	1162	1165	1169	rBV	546254	698508	9.24%	1.112%
45	14.994	1169	1173	1176	rBV3	53234	133249	1.76%	0.212%
46	15.131	1182	1185	1189	rBV	597334	896606	11.86%	1.428%
47	15.211	1190	1192	1196	rBV2	165975	268109	3.55%	0.427%
48	15.348	1198	1204	1207	rVV2	846129	1609621	21.29%	2.563%
49	15.405	1207	1209	1213	rVB	298881	413614	5.47%	0.659%
50	15.508	1213	1218	1222	rBV2	198374	552933	7.31%	0.881%
51	15.577	1222	1224	1226	rVB	193388	255926	3.39%	0.408%
52	15.828	1243	1246	1249	rBV	181155	278854	3.69%	0.444%
53	15.920	1251	1254	1257	rVV	486096	894338	11.83%	1.424%
54	15.988	1257	1260	1262	rVV	152687	234771	3.11%	0.374%
55	16.045	1262	1265	1266	rVV2	140304	267386	3.54%	0.426%
56	16.080	1266	1268	1272	rVB	405242	613780	8.12%	0.977%
57	16.217	1277	1280	1284	rVV	172306	407221	5.39%	0.648%
58	16.285	1284	1286	1292	rVB2	85717	223851	2.96%	0.356%
59	16.560	1301	1310	1315	rBV	961368	2708138	35.83%	4.313%
60	16.651	1315	1318	1323	rVV	309912	832471	11.01%	1.326%
61	16.743	1323	1326	1329	rVV	285645	659373	8.72%	1.050%
62	16.834	1332	1334	1337	rVV3	107590	288944	3.82%	0.460%
63	16.926	1337	1342	1351	rVV2	1418299	3340837	44.20%	5.320%
64	17.108	1353	1358	1369	rVV	996462	2766656	36.60%	4.406%
65	17.303	1370	1375	1383	rVB	114506	437635	5.79%	0.697%
66	18.057	1436	1441	1448	rVB	419201	1198488	15.86%	1.909%
67	18.503	1475	1480	1487	rVB4	68155	254220	3.36%	0.405%

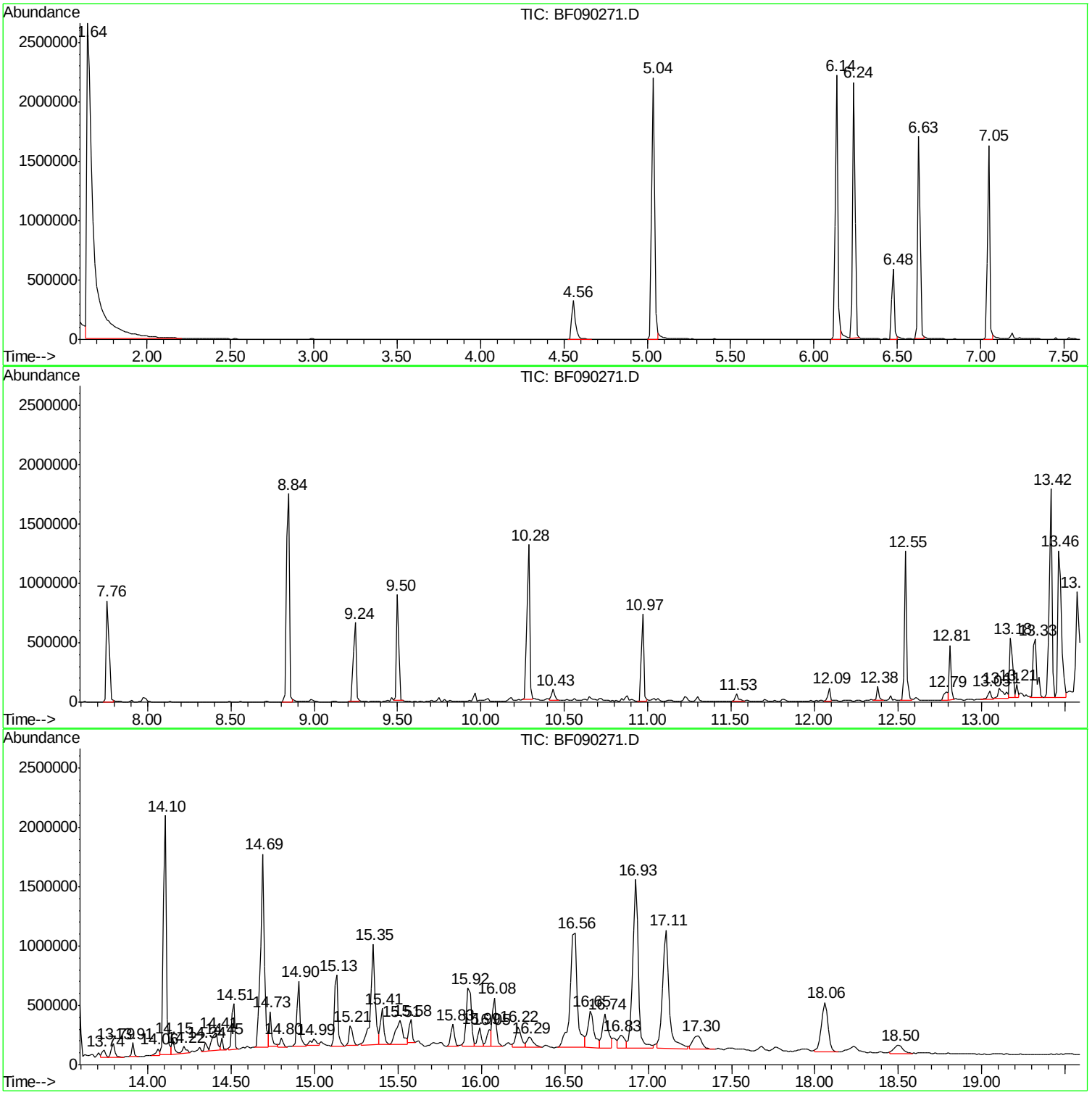
Sum of corrected areas: 62794378

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

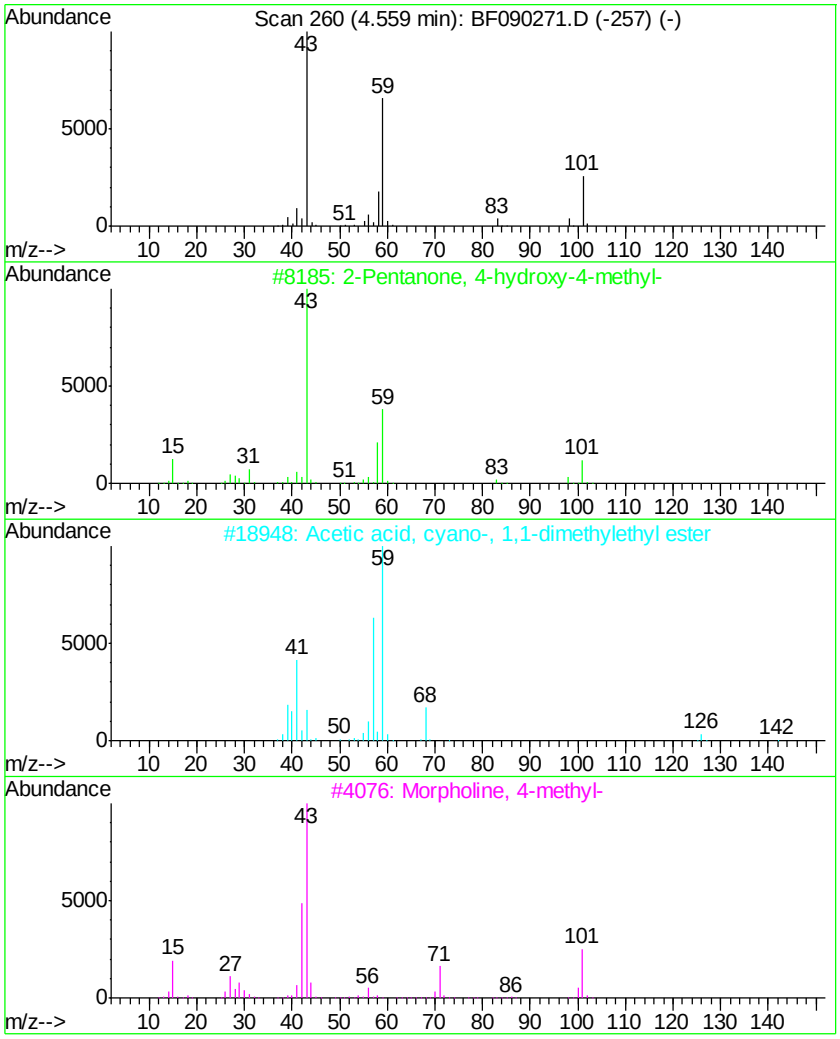
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

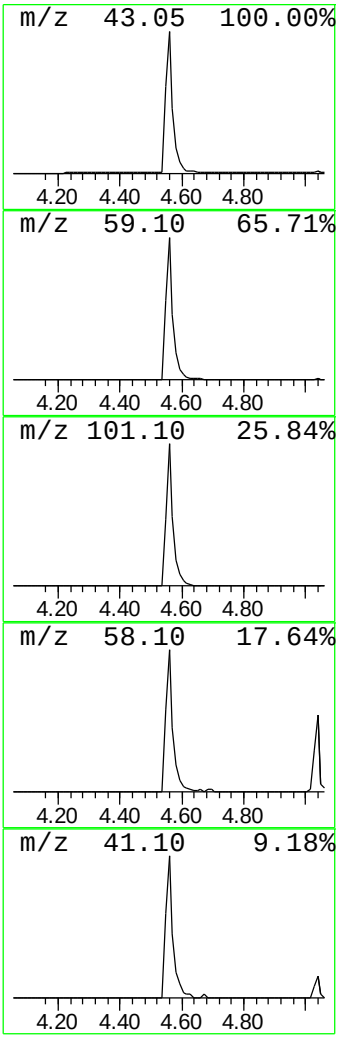
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.56	15.34 ng	525651	1,4-Dichlorobenzene-d4	6.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

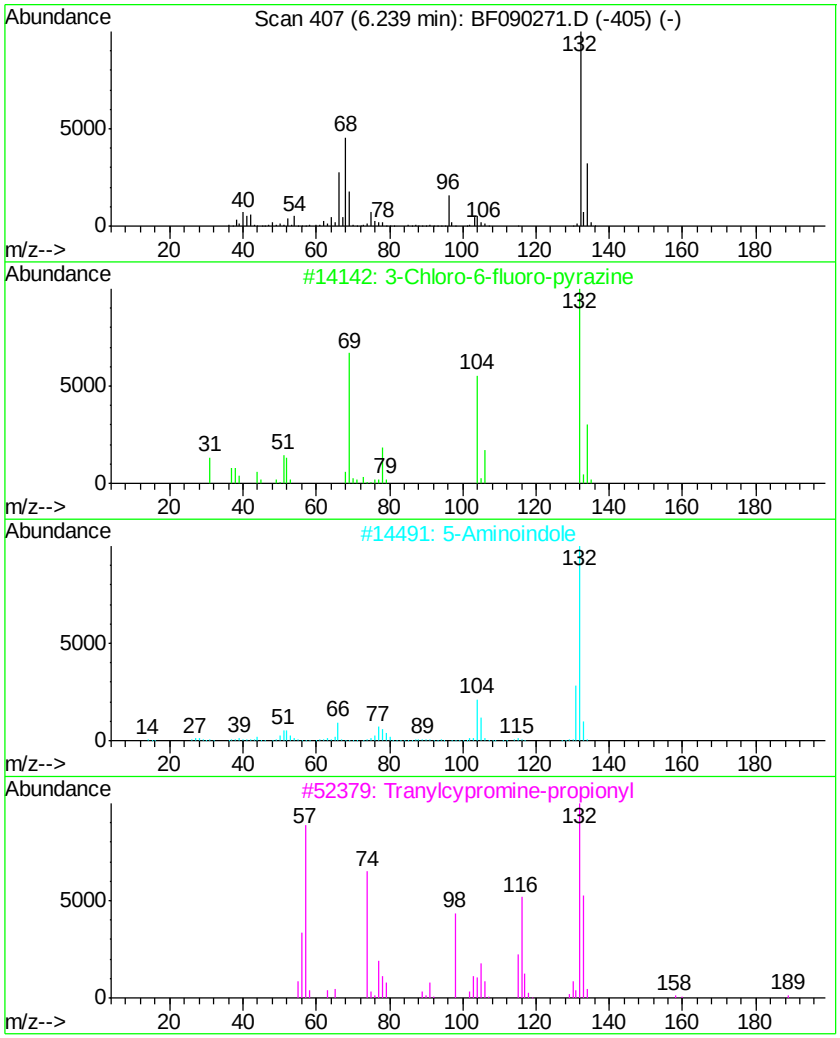
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

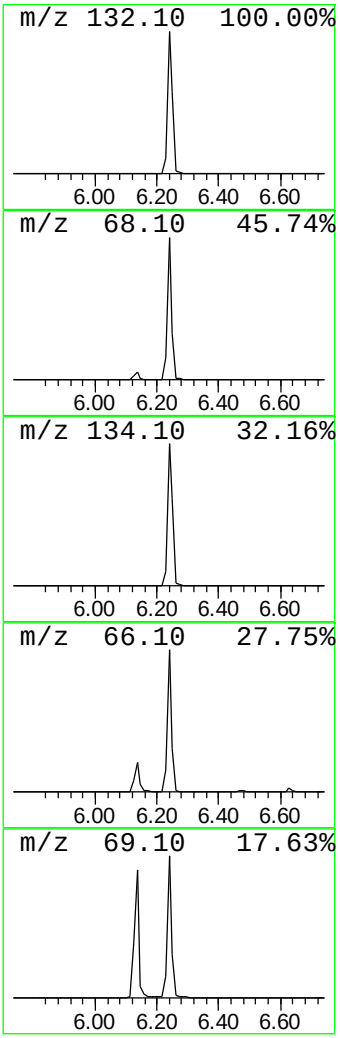
****

Peak Number 3 unknown6.24 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	68.59 ng	2349930	1,4-Dichlorobenzene-d4	6.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

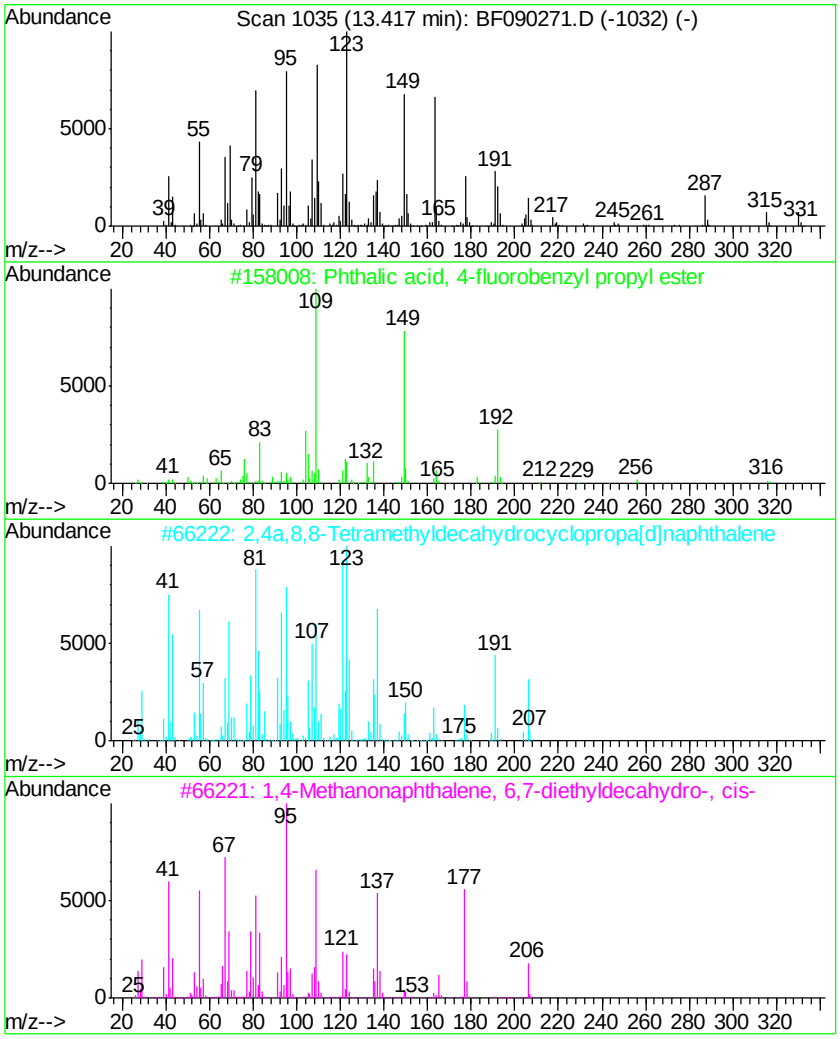
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

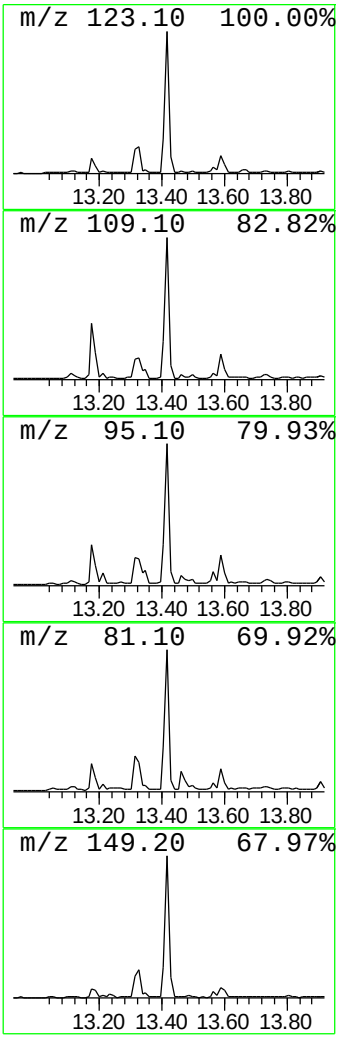
****

Peak Number 5 unknown13.42 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	26.55 ng	1684820	Chrysene-d12	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 4-fluorobenzyl pr...	316	C18H17FO4	1000377-74-1	38
2	2,4a,8,8-Tetramethyldecahydrocyc...	206	C15H26	074022-04-1	38
3	1,4-Methanonaphthalene, 6,7-diet...	206	C15H26	016539-02-9	25
4	(+)-(Z)-Longipinane	206	C15H26	1000156-12-3	25
5	Phthalic acid, 2-fluorobenzyl is...	330	C19H19FO4	1000371-07-2	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

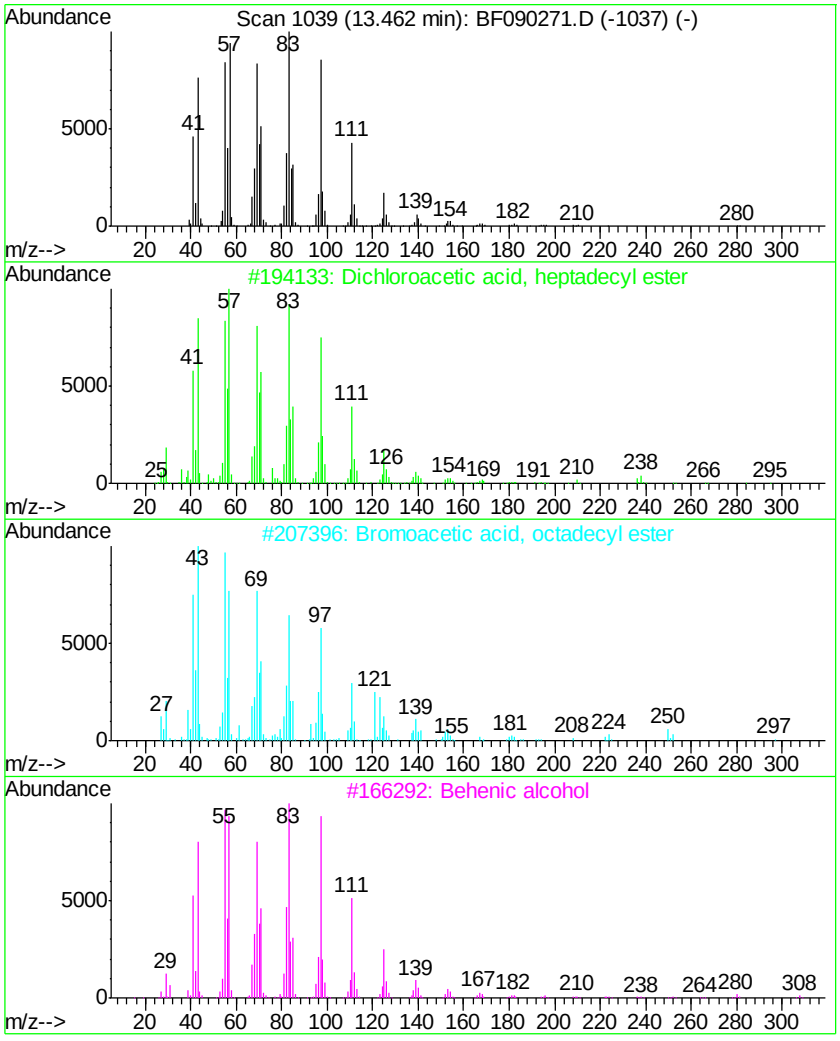
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

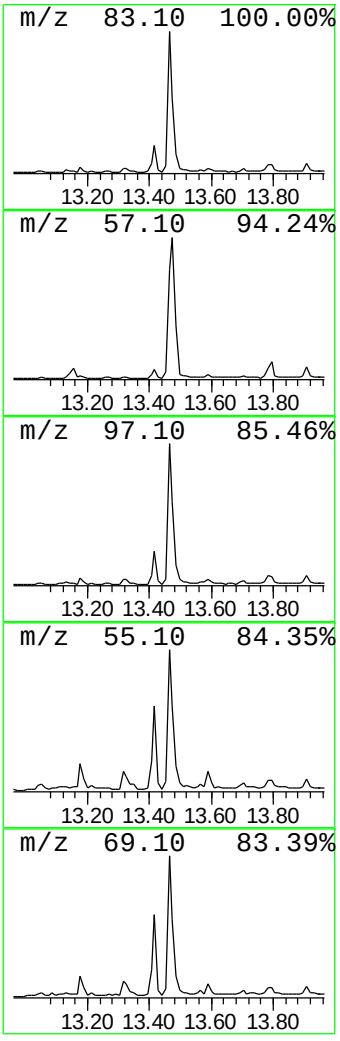
****

Peak Number 6 Dichloroacetic acid, heptad... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	31.09 ng	1973150	Chrysene-d12	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
2	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
3	Behenic alcohol	326	C22H46O	000661-19-8	91
4	1-Nonadecene	266	C19H38	018435-45-5	91
5	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

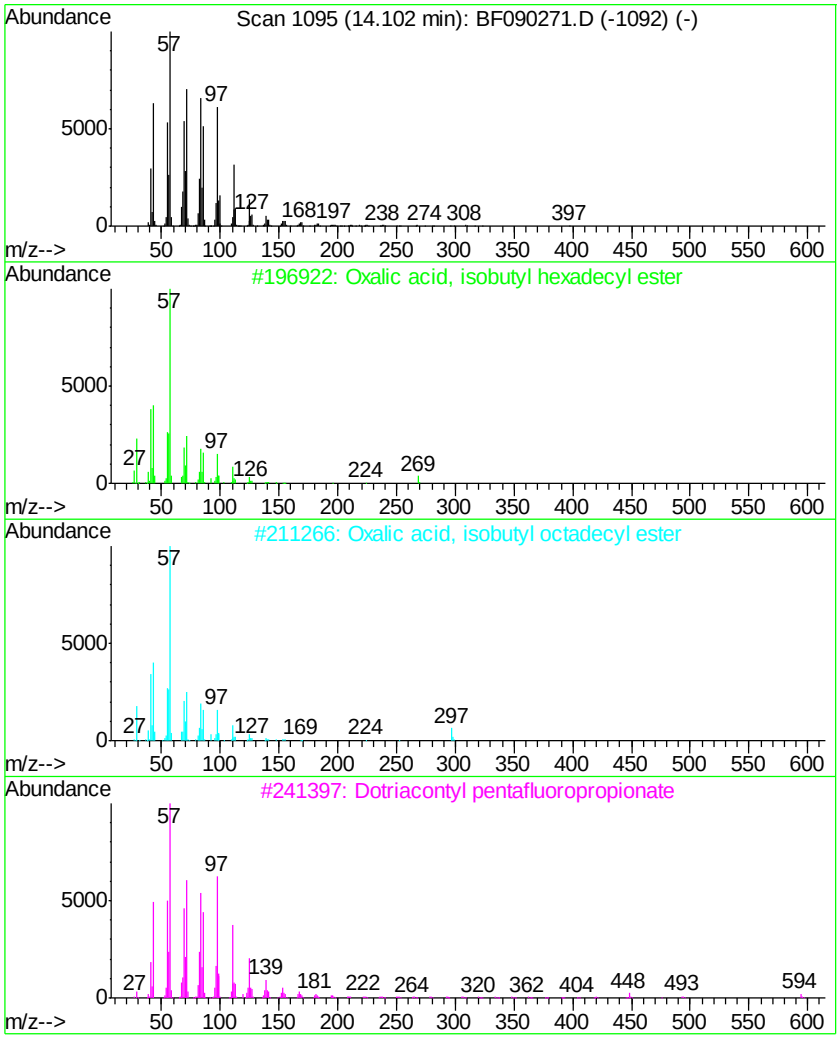
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

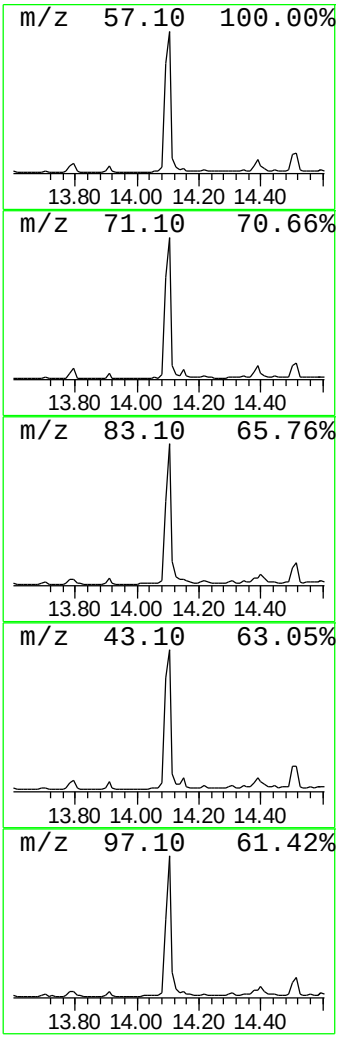
****

Peak Number 7 Oxalic acid, isobutyl hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	41.61 ng	2640730	Chrysene-d12	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	91
2	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	91
3	Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1000351-81-4	91
4	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	87
5	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

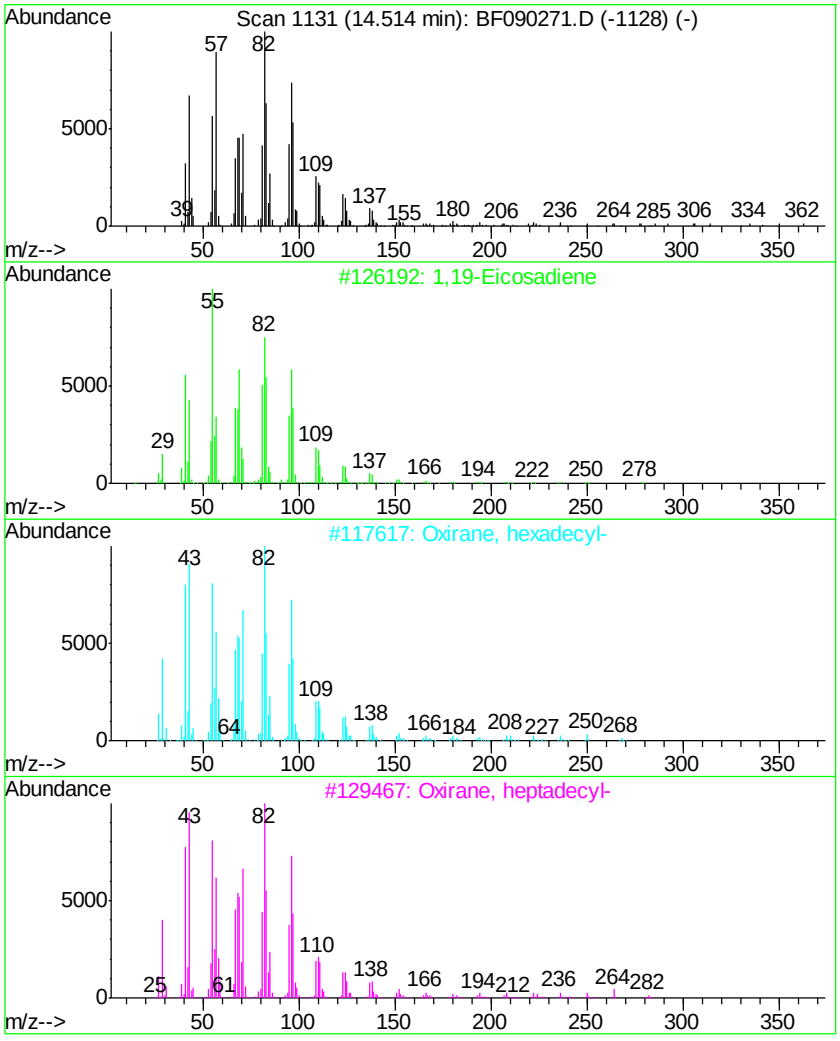
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

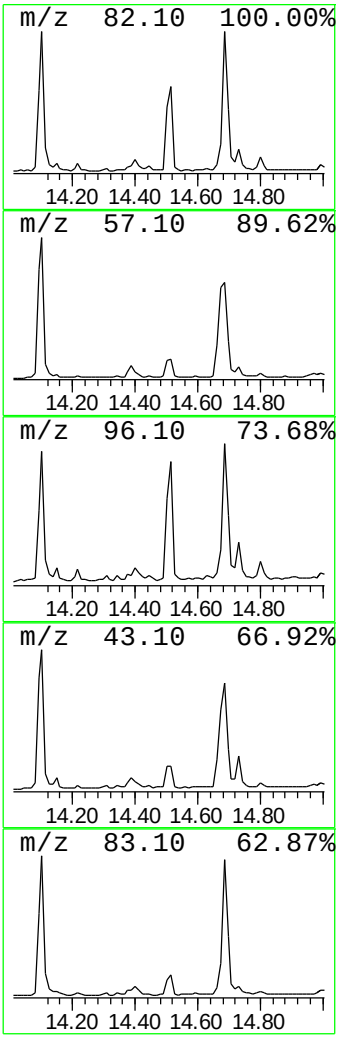
****

Peak Number 8 1,19-Eicosadiene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	14.39 ng	502739	Perylene-d12	14.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,19-Eicosadiene	278	C20H38	014811-95-1	94
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
3	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
4	Octadecanal	268	C18H36O	000638-66-4	91
5	17-Octadecenal	266	C18H34O	056554-86-0	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

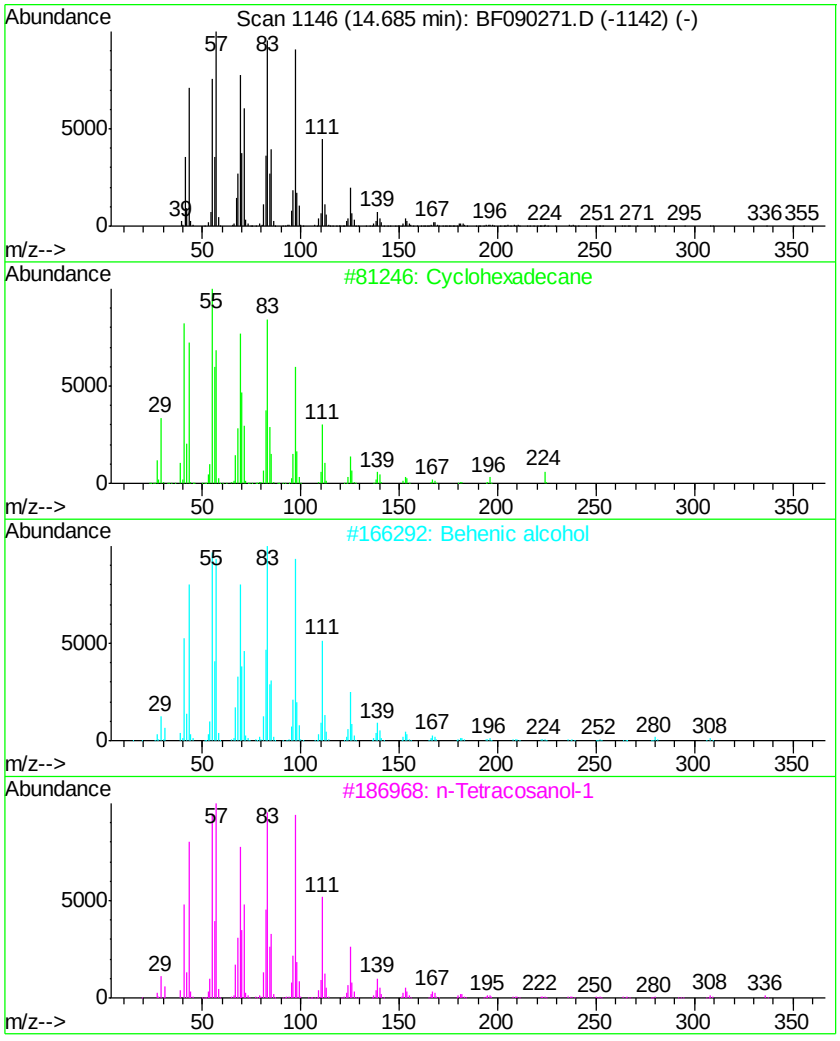
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

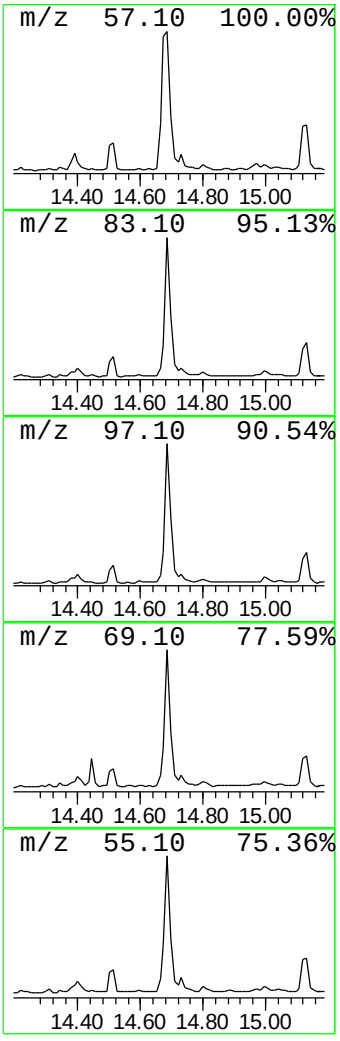
****

Peak Number 9 Cyclohexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	72.02 ng	2515320	Perylene-d12	14.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	93
2	Behenic alcohol	326	C22H46O	000661-19-8	91
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
4	1-Heptacosanol	396	C27H56O	002004-39-9	91
5	1-Heneicosanol	312	C21H44O	015594-90-8	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

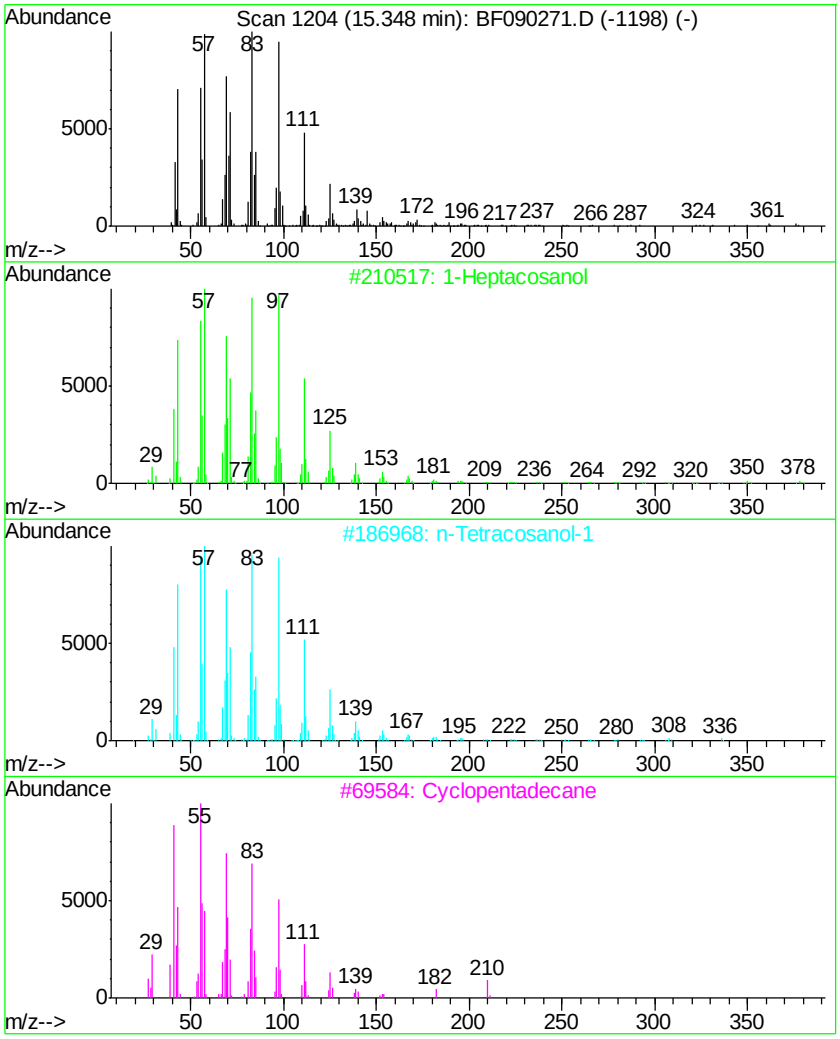
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

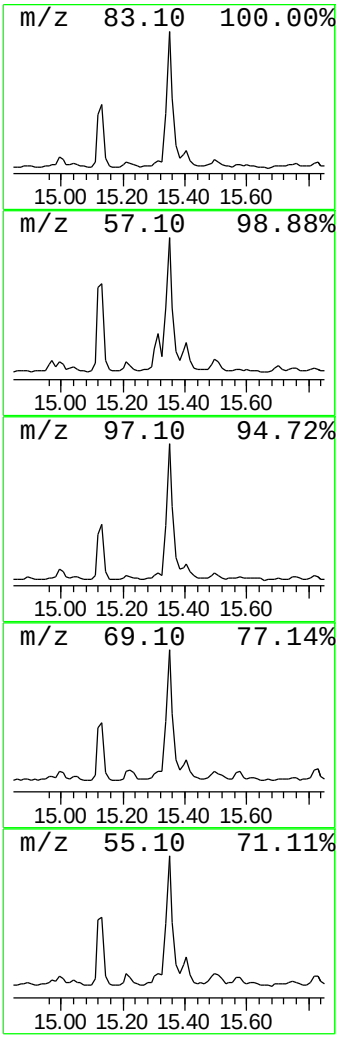
****

Peak Number 11 1-Heptacosanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	46.09 ng	1609620	Perylene-d12	14.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	94
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3	Cyclopentadecane	210	C15H30	000295-48-7	93
4	Octacosanol	410	C28H58O	000557-61-9	90
5	1-Heneicosanol	312	C21H44O	015594-90-8	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

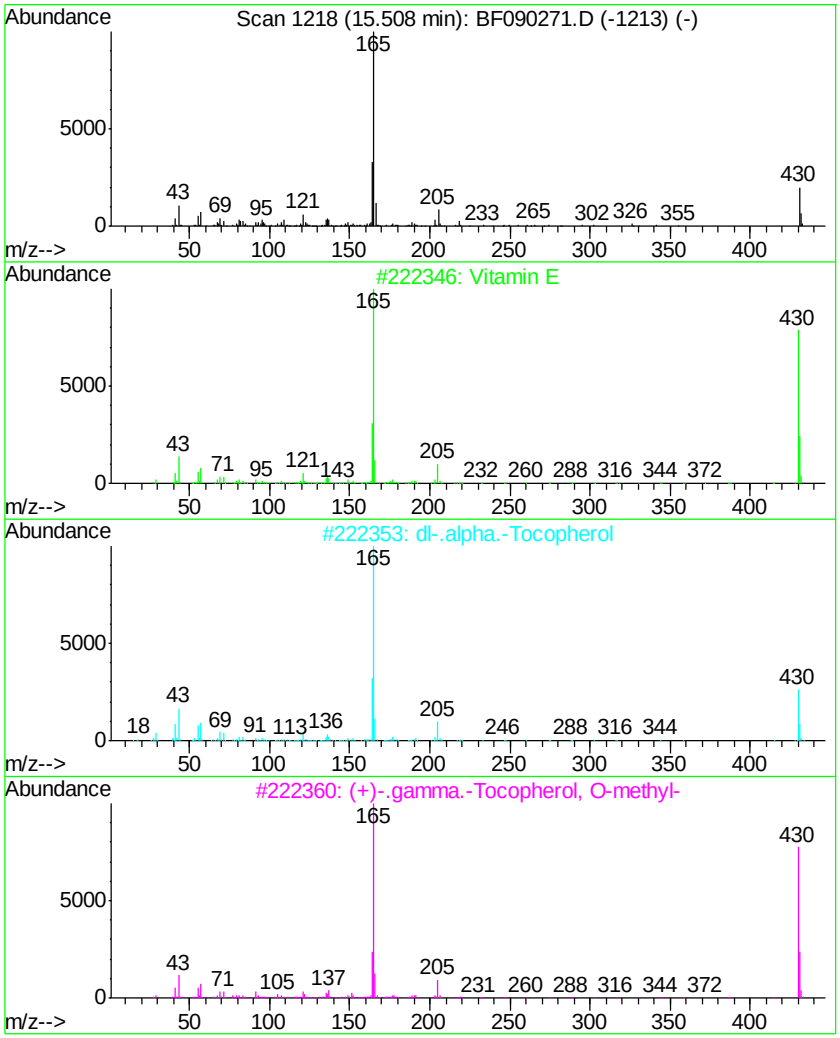
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

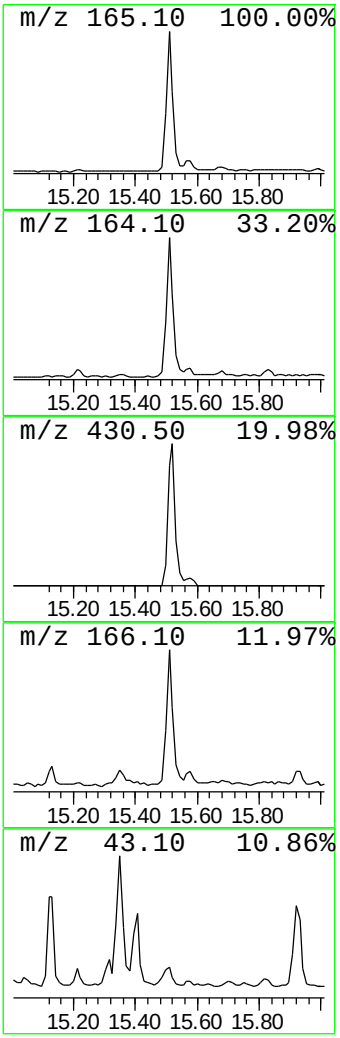
****

Peak Number 12 Vitamin E Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	15.83 ng	552933	Perylene-d12	14.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vitamin E	430	C29H50O2	000059-02-9	97
2	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	97
3	(+)-.gamma.-Tocopherol, O-methyl-	430	C29H50O2	1000374-72-2	94
4	Benzenamine, 3-methoxy-2,4,6-tri...	165	C10H15NO	034874-88-9	50
5	.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1000156-68-2	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

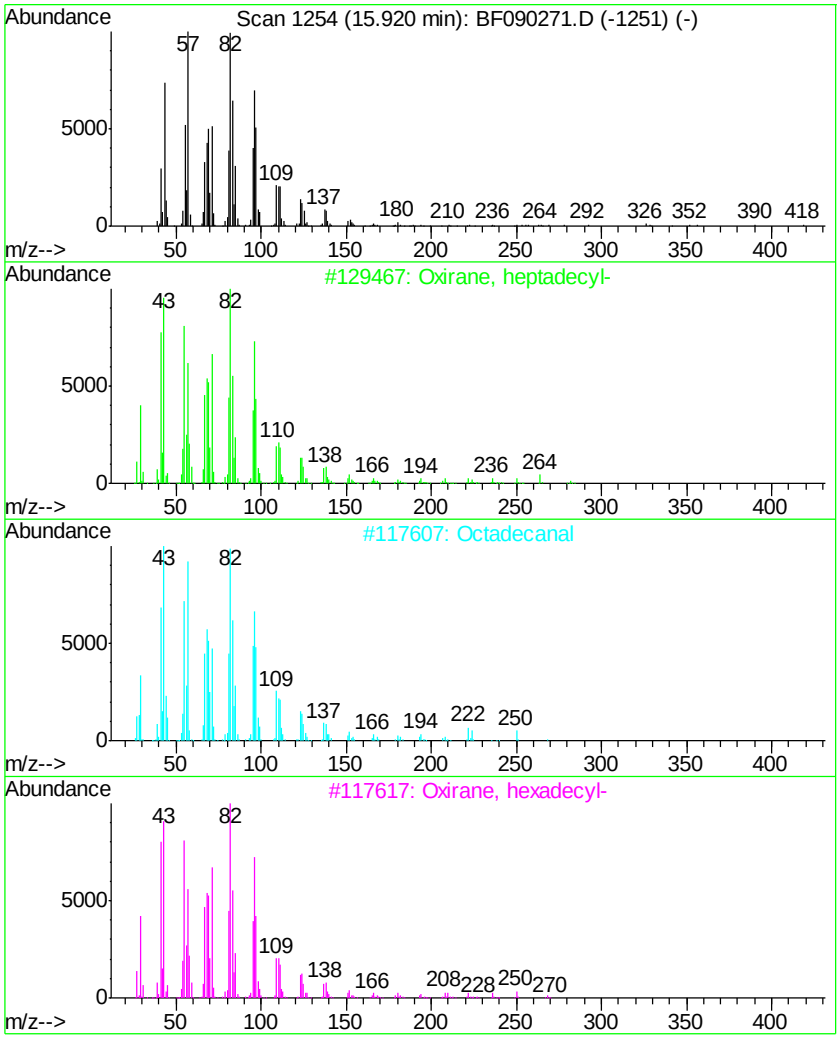
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

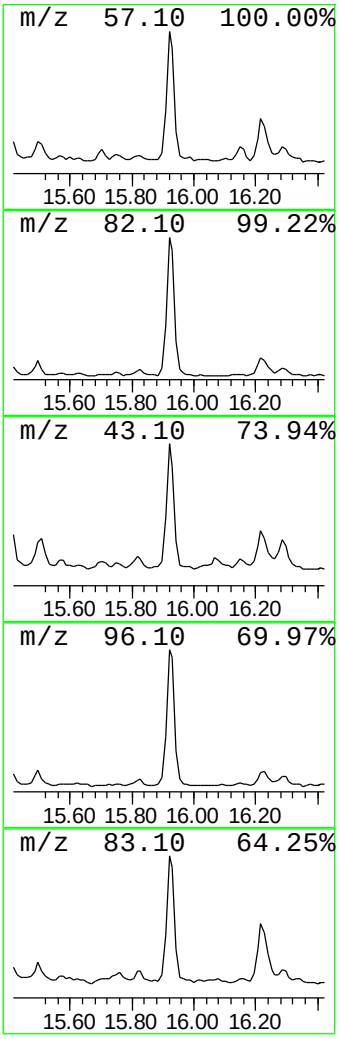
****

Peak Number 13 Oxirane, heptadecyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	25.61 ng	894338	Perylene-d12	14.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
2	Octadecanal	268	C18H36O	000638-66-4	91
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
4	Heptadecanal	254	C17H34O	1000376-70-0	91
5	16-Octadecenal	266	C18H34O	056554-87-1	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

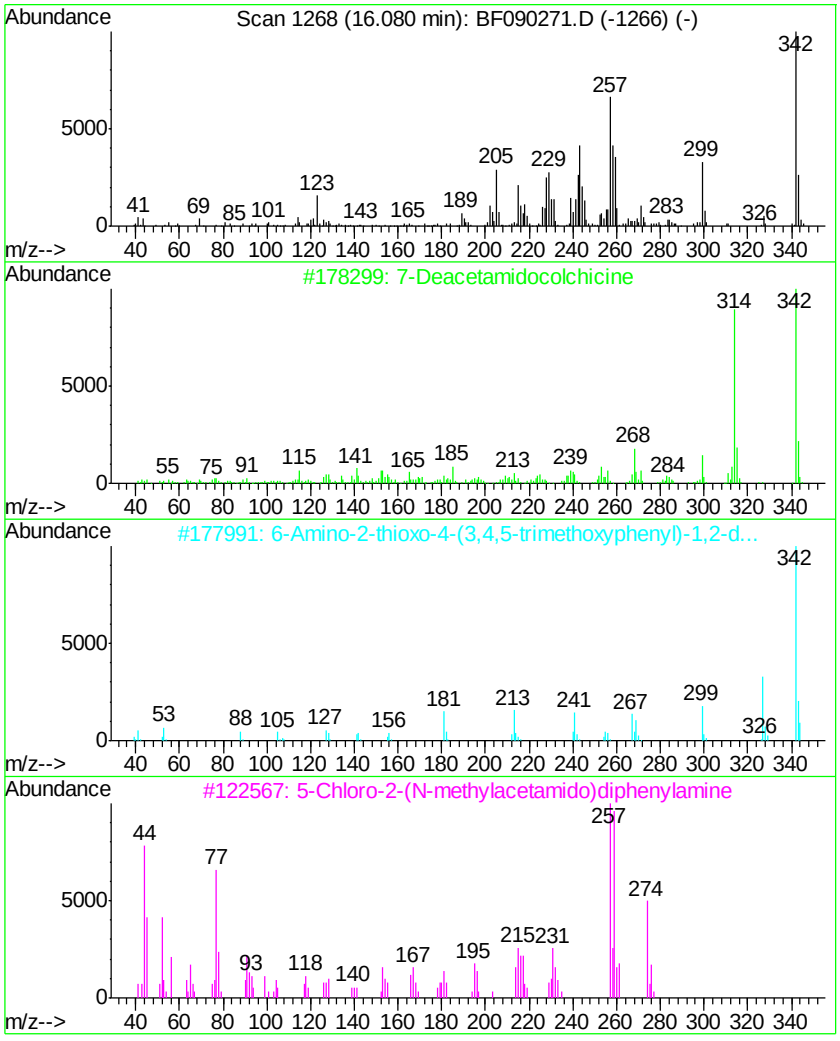
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

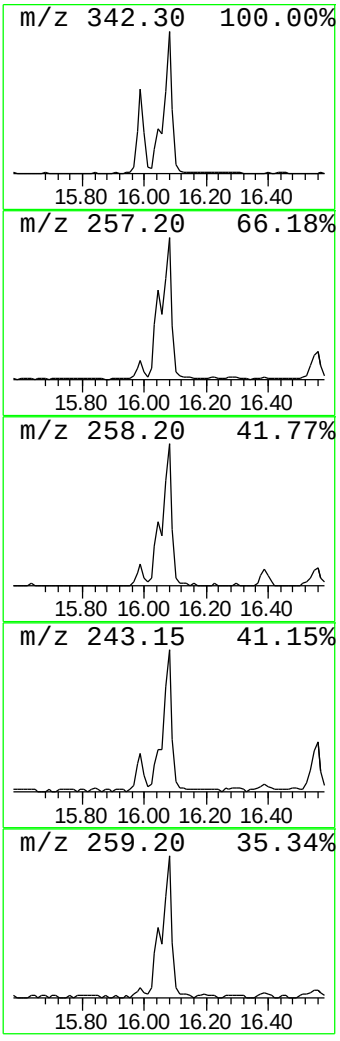
****

Peak Number 14 unknown16.08 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	17.57 ng	613780	Perylene-d12	14.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Deacetamidocolchicine	342	C20H22O5	001935-02-0	38
2	6-Amino-2-thioxo-4-(3,4,5-trimet...	342	C16H14N4O3S	1000311-34-7	25
3	5-Chloro-2-(N-methylacetamido)di...	274	C15H15ClN2O	075524-13-9	25
4	1H-Perimidine, 2-[2-(2-acetoxyph...	342	C22H18N2O2	060315-65-3	25
5	4,6-Bis(1,1'-dimethylethyl)-2',5...	342	C22H30O3	1000326-27-3	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

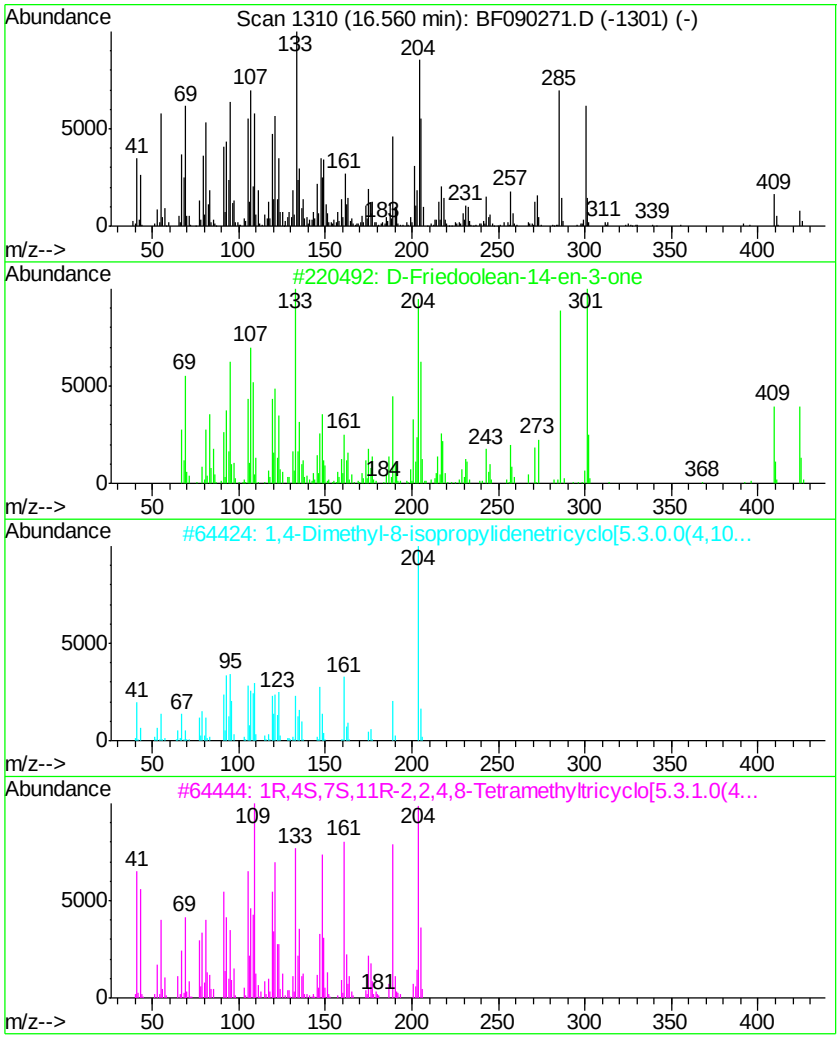
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

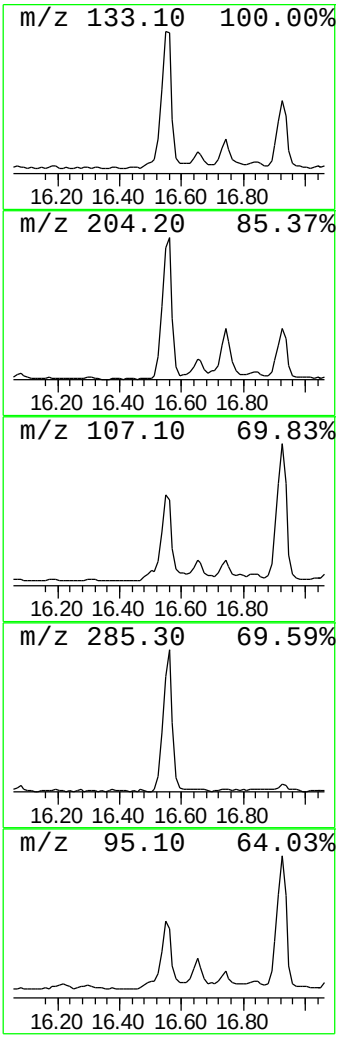
****

Peak Number 15 D-Friedoolean-14-en-3-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	77.54 ng	2708140	Perylene-d12	14.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Friedoolean-14-en-3-one	424	C30H48O	000514-07-8	70
2	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	45
3	1R,4S,7S,11R-2,2,4,8-Tetramethyl...	204	C15H24	1000140-07-6	38
4	Azulene, 1,2,3,3a,4,5,6,7-octahy...	204	C15H24	022567-17-5	38
5	.beta.-Humulene	204	C15H24	000116-04-1	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

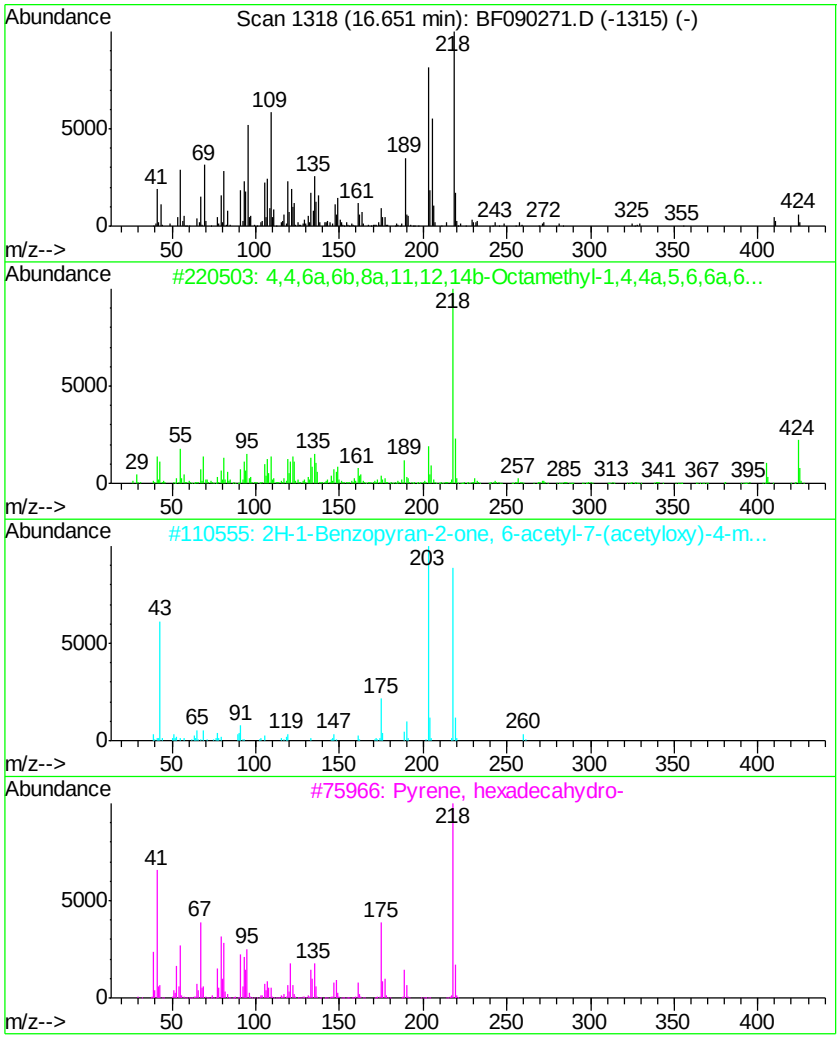
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

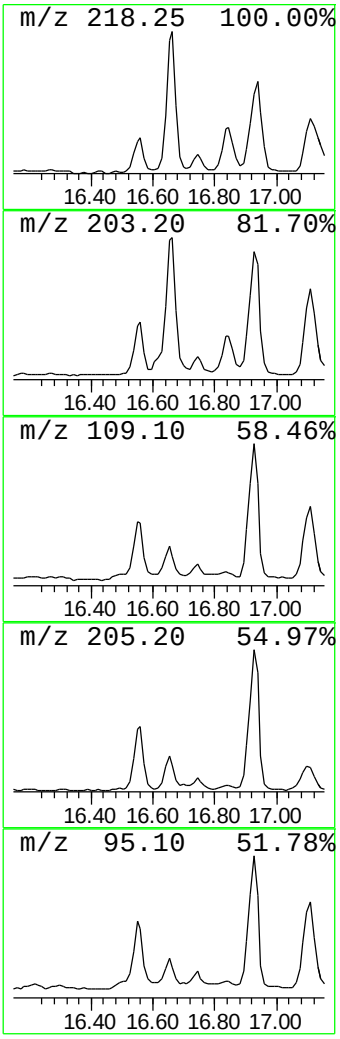
****

Peak Number 16 unknown16.65 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	23.84 ng	832471	Perylene-d12	14.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4,6a,6b,8a,11,12,14b-Octamethy...	424	C30H48O	1000194-64-2	41
2	2H-1-Benzopyran-2-one, 6-acetyl-...	260	C14H12O5	129812-31-3	35
3	Pyrene, hexadecahydro-	218	C16H26	002435-85-0	30
4	1,4-Methanonaphthalene, 1,4-dihy...	218	C17H14	055028-73-4	27
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

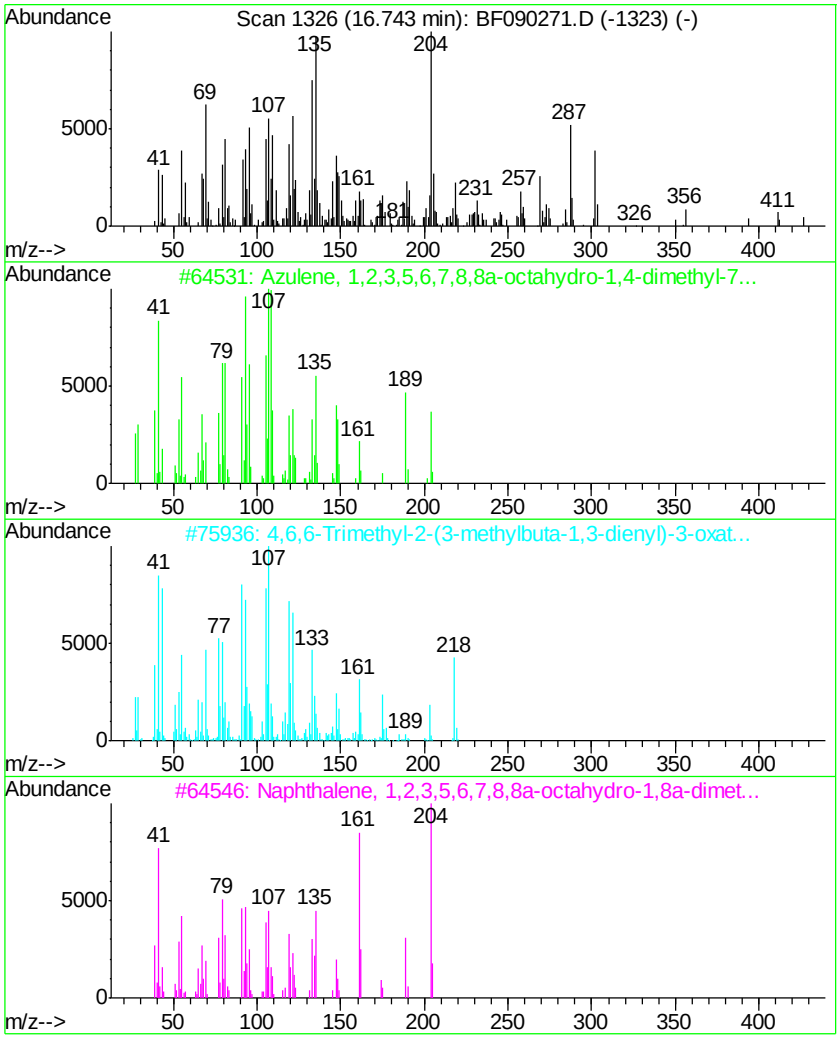
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

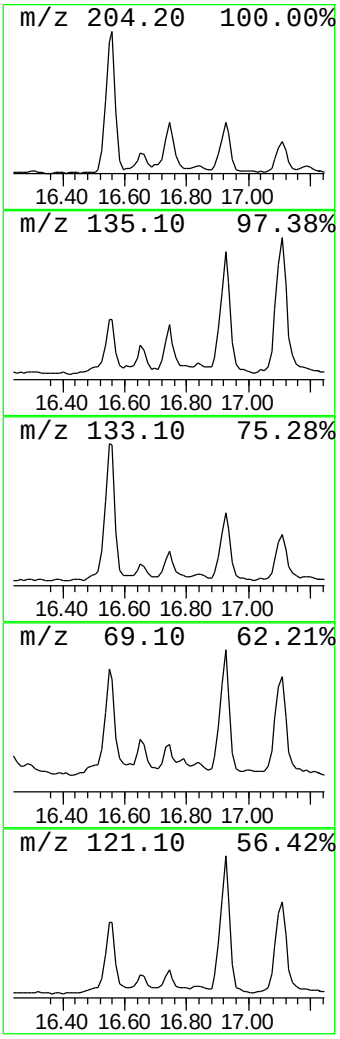
****

Peak Number 17 Azulene, 1,2,3,5,6,7,8,8a-o... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	18.88 ng	659373	Perylene-d12	14.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	58
2	4,6,6-Trimethyl-2-(3-methylbuta-...	218	C15H22O	1000190-22-2	45
3	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	43
4	7-Octylidenebicyclo[4.1.0]heptane	206	C15H26	082253-11-0	40
5	2-Heptanone, 6-methyl-6-[3-methy...	220	C15H24O	069296-87-3	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

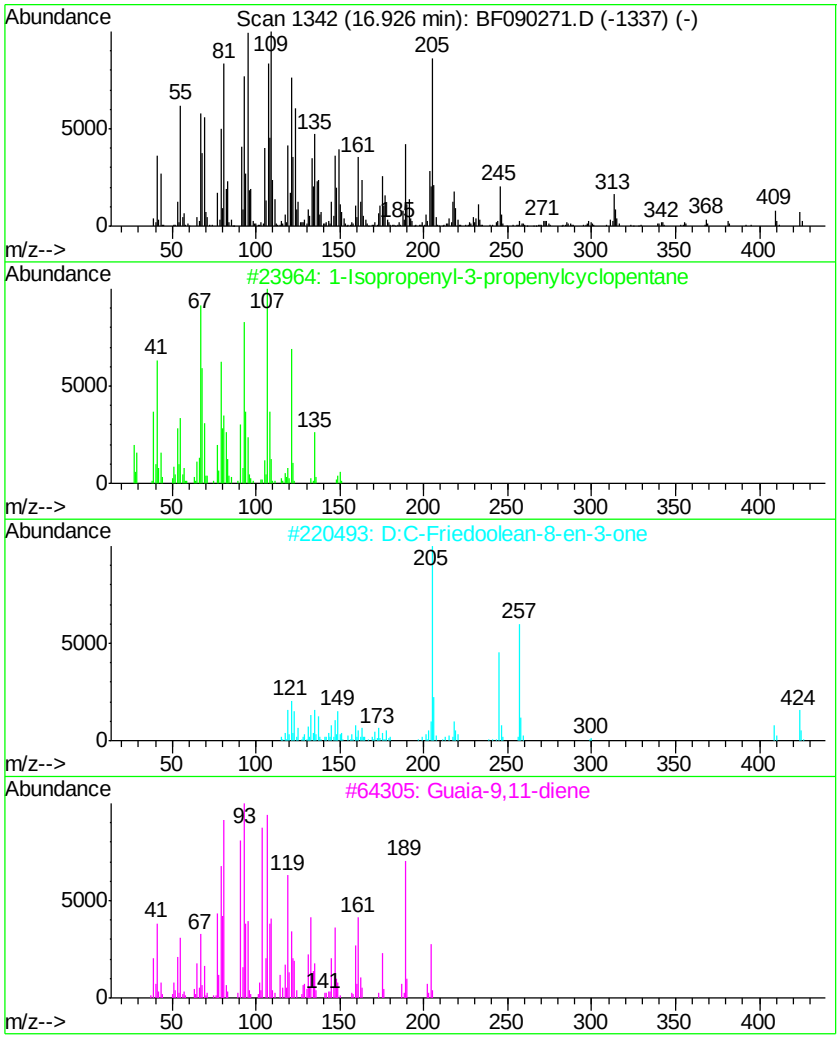
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

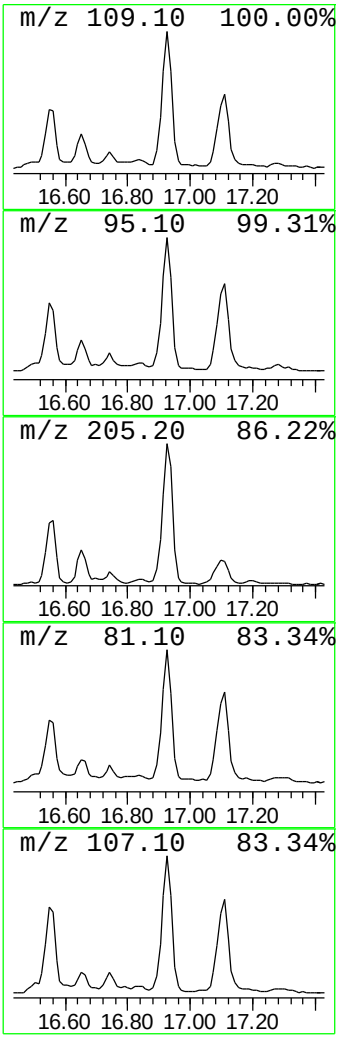
****

Peak Number 18 1-Isopropenyl-3-propenylcyc... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	95.66 ng	3340840	Perylene-d12	14.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenyl-3-propenylcyclopen...	150	C11H18	1000192-81-2	58
2	D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	46
3	Guaia-9,11-diene	204	C15H24	1000374-19-8	45
4	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	40
5	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

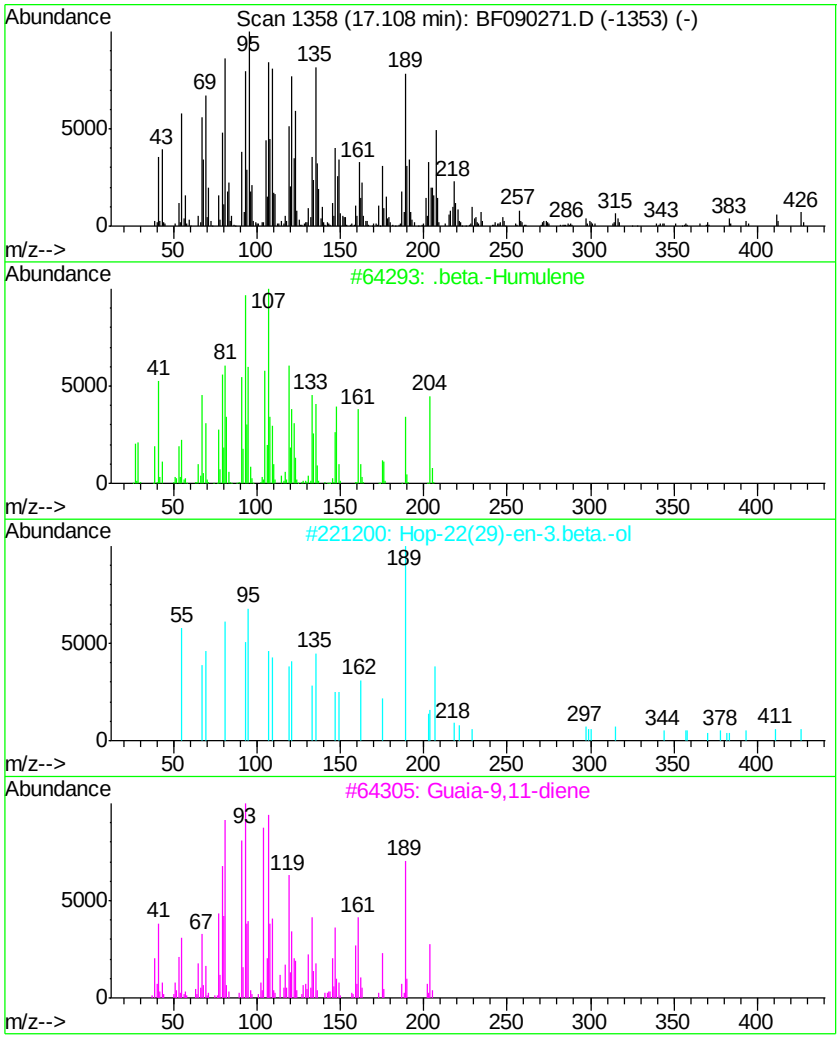
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

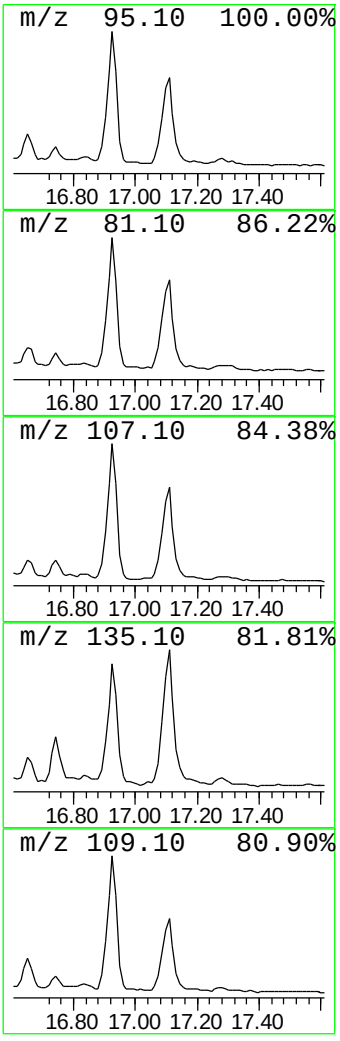
****

Peak Number 19 .beta.-Humulene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	79.22 ng	2766660	Perylene-d12	14.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Humulene	204	C15H24	000116-04-1	74
2	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	62
3	Guaia-9,11-diene	204	C15H24	1000374-19-8	49
4	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	47
5	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	003242-08-8	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

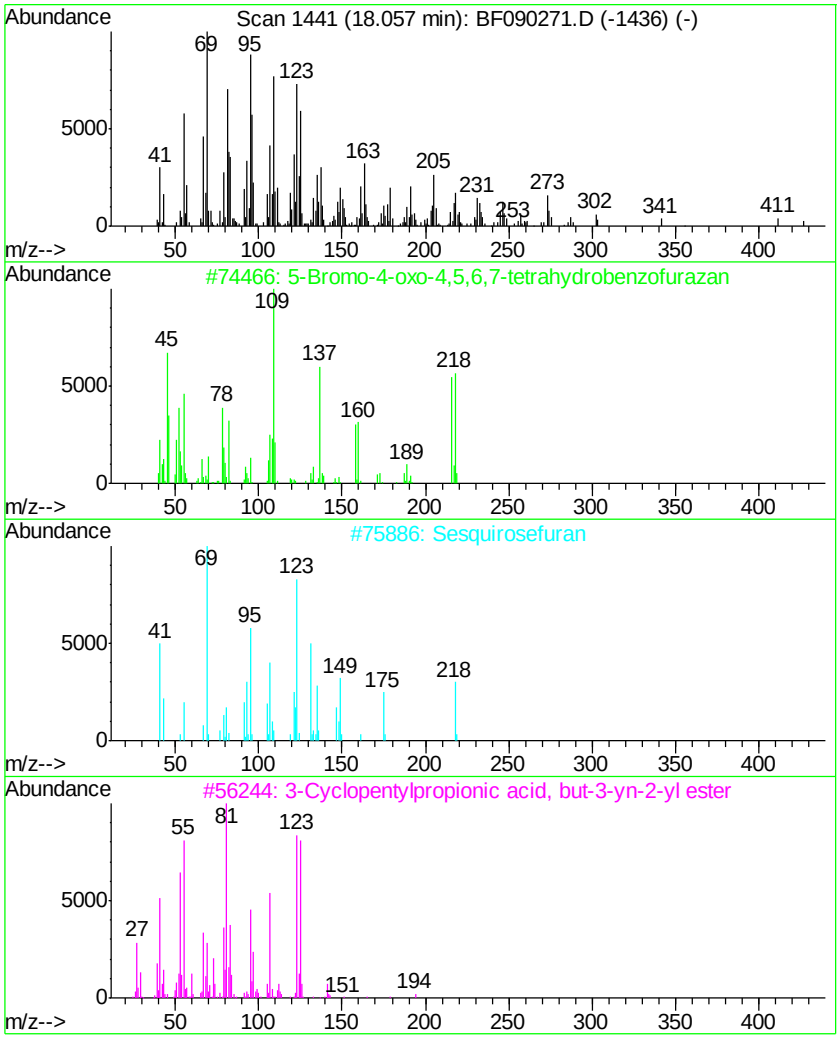
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

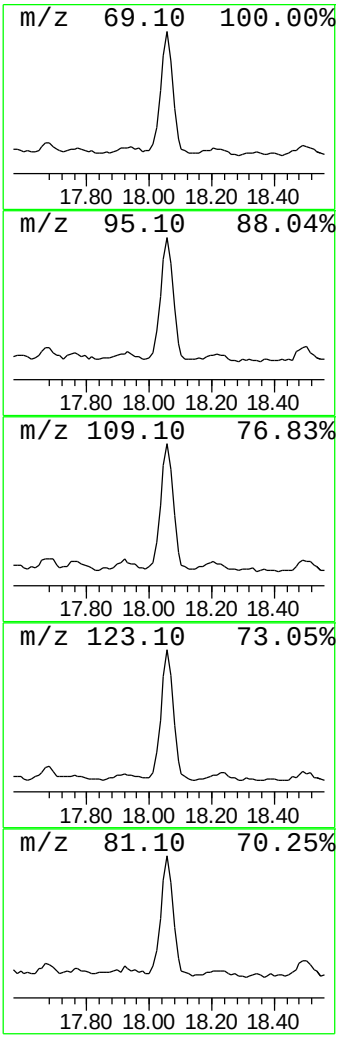
****

Peak Number 20 5-Bromo-4-oxo-4,5,6,7-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	34.32 ng	1198490	Perylene-d12	14.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	91
2	Sesquirosefuran	218	C15H22O	039007-93-7	60
3	3-Cyclopentylpropionic acid, but...	194	C12H18O2	1000292-46-4	47
4	2-Naphthalenamine, 1,2,4a,5,6,7,...	165	C11H19N	056053-03-3	44
5	Bicyclo[3.1.1]heptan-3-one, 2-(b...	192	C13H20O	1000163-96-1	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092716\
Data File : BF090271.D
Acq On : 28 Sep 2016 00:05
Operator : UM/SJ
Sample : H4949-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-5-2-LOC-5(20-25)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.56	15.3	ng	525651	1	6.48	685193	20.0
unknown6.24	6.24	68.6	ng	2349930	1	6.48	685193	20.0
unknown13.42	13.42	26.6	ng	1684820	5	13.58	1269200	20.0
Dichloroacetic ac...	13.46	31.1	ng	1973150	5	13.58	1269200	20.0
Oxalic acid, isob...	14.10	41.6	ng	2640730	5	13.58	1269200	20.0
1,19-Eicosadiene	14.51	14.4	ng	502739	6	14.90	698508	20.0
Cyclohexadecane	14.69	72.0	ng	2515320	6	14.90	698508	20.0
1-Heptacosanol	15.35	46.1	ng	1609620	6	14.90	698508	20.0
Vitamin E	15.51	15.8	ng	552933	6	14.90	698508	20.0
Oxirane, heptadecyl-	15.92	25.6	ng	894338	6	14.90	698508	20.0
unknown16.08	16.08	17.6	ng	613780	6	14.90	698508	20.0
D-Friedoolean-14-...	16.56	77.5	ng	2708140	6	14.90	698508	20.0
unknown16.65	16.65	23.8	ng	832471	6	14.90	698508	20.0
Azulene, 1,2,3,5,...	16.74	18.9	ng	659373	6	14.90	698508	20.0
1-Isopropenyl-3-p...	16.93	95.7	ng	3340840	6	14.90	698508	20.0
.beta.-Humulene	17.11	79.2	ng	2766660	6	14.90	698508	20.0
5-Bromo-4-oxo-4,5...	18.06	34.3	ng	1198490	6	14.90	698508	20.0