LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098314.D
Acq On : 7 Sep 2017 15:29
Operator : SJ/JU
Sample : I5075-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-221

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-BF081517.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	4.857	467	471	479	rVB	89560	106705	8.06%	0.616%
2	5.287	540	544	554	rVB	1410671	1281545	96.78%	7.403%
3	6.328	717	721	724	rBV	1535141	1324160	100.00%	7.649%
4	6.457	739	743	746	rBV	1408368	1311044	99.01%	7.573%
5	6.522	750	754	760	rVB2	23647	28152	2.13%	0.163%
6	6.687	778	782	789	rVB	772361	628325	47.45%	3.630%
7	6.840	804	808	812	rBV	1084344	918433	69.36%	5.305%
8	6.963	823	829	832	rVB6	14406	24310	1.84%	0.140%
9	7.081	846	849	851	rBV2	21356	17635	1.33%	0.102%
10	7.251	874	878	881	rBV	926981	765055	57.78%	4.419%
11	7.292	882	885	887	rVB	44617	41241	3.11%	0.238%
12	7.334	887	892	896	rBV5	13433	20873	1.58%	0.121%
13	7.404	896	904	908	rVB5	8628	16708	1.26%	0.097%
14	7.492	917	919	922	rVB3	21044	16497	1.25%	0.095%
15	7.728	955	959	963	rVB3	18250	20288	1.53%	0.117%
16	7.792	968	970	975	rVB4	16013	16102	1.22%	0.093%
17	7.851	975	980	982	rBV4	11816	18479	1.40%	0.107%
18	7.969	995	1000	1003	rBV	966581	863358	65.20%	4.987%
19	7.992	1003	1004	1007	rVV	55867	32393	2.45%	0.187%
20	8.039	1009	1012	1014	rVB2	40963	35937	2.71%	0.208%
21	8.139	1025	1029	1032	rBV4	12468	18820	1.42%	0.109%
22	8.263	1045	1050	1053	rBV6	28713	42109	3.18%	0.243%
23	8.322	1057	1060	1062	rBV2	26140	25615	1.93%	0.148%
24	8.351	1063	1065	1069	rVB4	27692	26972	2.04%	0.156%
25	8.398	1069	1073	1082	rVB2	78717	112269	8.48%	0.649%
26	8.475	1082	1086	1089	rBV3	20216	23820	1.80%	0.138%
27	8.510	1089	1092	1094	rBV2	19723	21533	1.63%	0.124%
28	8.569	1099	1102	1105	rBV	84062	70763	5.34%	0.409%
29	8.663	1114	1118	1120	rBV3	20850	21663	1.64%	0.125%
30	8.686	1120	1122	1124	rVB	73143	56939	4.30%	0.329%
31	8.728	1124	1129	1131	rBV6	8564	15135	1.14%	0.087%
32	8.781	1135	1138	1144	rVB2	49561	55521	4.19%	0.321%
33	8.851	1147	1150	1152	rBV3	29709	31584	2.39%	0.182%
34	8.934	1161	1164	1166	rVB2	25634	22421	1.69%	0.130%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098314.D
Acq On : 7 Sep 2017 15:29
Operator : SJ/JU
Sample : I5075-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-221

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-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.969	1166	1170	1172	rBV2	20506	20987	1.58%	0.121%
36	8.998	1172	1175	1179	rVB2	89570	80457	6.08%	0.465%
37	9.045	1179	1183	1186	rBV	1546468	1261806	95.29%	7.289%
38	9.081	1186	1189	1192	rVB4	12486	15696	1.19%	0.091%
39	9.133	1193	1198	1202	rBV2	112888	144579	10.92%	0.835%
40	9.175	1202	1205	1207	rVV4	22121	27118	2.05%	0.157%
41	9.198	1207	1209	1214	rVB4	30313	35098	2.65%	0.203%
42	9.245	1214	1217	1221	rBV5	20834	26181	1.98%	0.151%
43	9.316	1222	1229	1232	rBV8	32997	53231	4.02%	0.307%
44	9.357	1234	1236	1238	rVV2	17727	16109	1.22%	0.093%
45	9.381	1238	1240	1243	rVV2	35325	38396	2.90%	0.222%
46	9.410	1243	1245	1247	rVV	31175	24609	1.86%	0.142%
47	9.445	1247	1251	1254	rVV2	208683	241537	18.24%	1.395%
48	9.475	1254	1256	1258	rVV2	38513	32854	2.48%	0.190%
49	9.510	1259	1262	1265	rVB4	34410	35927	2.71%	0.208%
50	9.539	1265	1267	1269	rBV2	17188	18687	1.41%	0.108%
51	9.581	1272	1274	1280	rBV4	18851	29325	2.21%	0.169%
52	9.633	1280	1283	1285	rBV	29056	28713	2.17%	0.166%
53	9.663	1285	1288	1292	rBV	86499	78997	5.97%	0.456%
54	9.722	1292	1298	1301	rBV2	942593	834077	62.99%	4.818%
55	9.751	1301	1303	1307	rVB	59315	56305	4.25%	0.325%
56	9.898	1323	1328	1330	rBV5	25022	49533	3.74%	0.286%
57	9.928	1330	1333	1335	rVV2	67717	69210	5.23%	0.400%
58	9.980	1338	1342	1345	rBV2	47381	54012	4.08%	0.312%
59	10.045	1350	1353	1359	rVV7	18255	34813	2.63%	0.201%
60	10.128	1365	1367	1369	rBV2	18093	21642	1.63%	0.125%
61	10.157	1369	1372	1375	rVV	108239	98998	7.48%	0.572%
62	10.210	1379	1381	1387	rVB7	24551	35374	2.67%	0.204%
63	10.269	1387	1391	1397	rBV4	49656	80619	6.09%	0.466%
64	10.380	1403	1410	1415	rBV	104506	140508	10.61%	0.812%
65	10.428	1416	1418	1422	rVB3	33945	33026	2.49%	0.191%
66	10.463	1422	1424	1427	rBV2	30202	31209	2.36%	0.180%
67	10.510	1427	1432	1436	rBV	742203	662375	50.02%	3.826%
68	10.633	1450	1453	1461	rVB2	150367	249273	18.82%	1.440%
69	10.822	1483	1485	1487	rBV3	26211	24502	1.85%	0.142%
70	10.951	1505	1507	1509	rBV3	17619	17866	1.35%	0.103%
71	11.010	1515	1517	1520	rVB4	21732	19850	1.50%	0.115%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098314.D
Acq On : 7 Sep 2017 15:29
Operator : SJ/JU
Sample : I5075-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-221

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-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.080	1526	1529	1531	rBV	106692	98503	7.44%	0.569%
73	11.104	1531	1533	1540	rVB2	117947	136488	10.31%	0.788%
74	11.204	1546	1550	1553	rBV	846444	748035	56.49%	4.321%
75	11.227	1553	1554	1557	rVV	181163	112214	8.47%	0.648%
76	11.280	1560	1563	1567	rVB	48648	52461	3.96%	0.303%
77	11.322	1567	1570	1572	rBV3	28097	27473	2.07%	0.159%
78	11.386	1579	1581	1584	rVB2	23856	20018	1.51%	0.116%
79	11.504	1598	1601	1604	rVB	84694	63678	4.81%	0.368%
80	11.704	1633	1635	1637	rBV	22468	19381	1.46%	0.112%
81	11.733	1638	1640	1644	rVB	45137	40520	3.06%	0.234%
82	11.816	1651	1654	1657	rBV2	33627	31186	2.36%	0.180%
83	11.886	1663	1666	1667	rBV3	18004	17096	1.29%	0.099%
84	11.910	1667	1670	1673	rVV	83486	67914	5.13%	0.392%
85	12.004	1683	1686	1687	rBV2	23727	19537	1.48%	0.113%
86	12.186	1714	1717	1724	rBV6	27545	53478	4.04%	0.309%
87	12.251	1726	1728	1731	rBV	33061	32965	2.49%	0.190%
88	12.310	1732	1738	1740	rVB3	146360	189196	14.29%	1.093%
89	12.416	1751	1756	1759	rVB	210311	186866	14.11%	1.079%
90	12.639	1791	1794	1797	rVV	167930	161841	12.22%	0.935%
91	12.669	1797	1799	1802	rVB2	63428	50982	3.85%	0.295%
92	12.786	1816	1819	1823	rBV	1057211	946259	71.46%	5.466%
93	13.027	1857	1860	1864	rBV2	48840	65027	4.91%	0.376%
94	13.227	1892	1894	1899	rVB4	38025	37347	2.82%	0.216%
95	13.692	1971	1973	1976	rBV4	59929	61930	4.68%	0.358%
96	13.839	1994	1998	2001	rBV	759617	768029	58.00%	4.437%
97	15.251	2234	2238	2242	rBV	471930	546806	41.29%	3.159%

Sum of corrected areas: 17311133

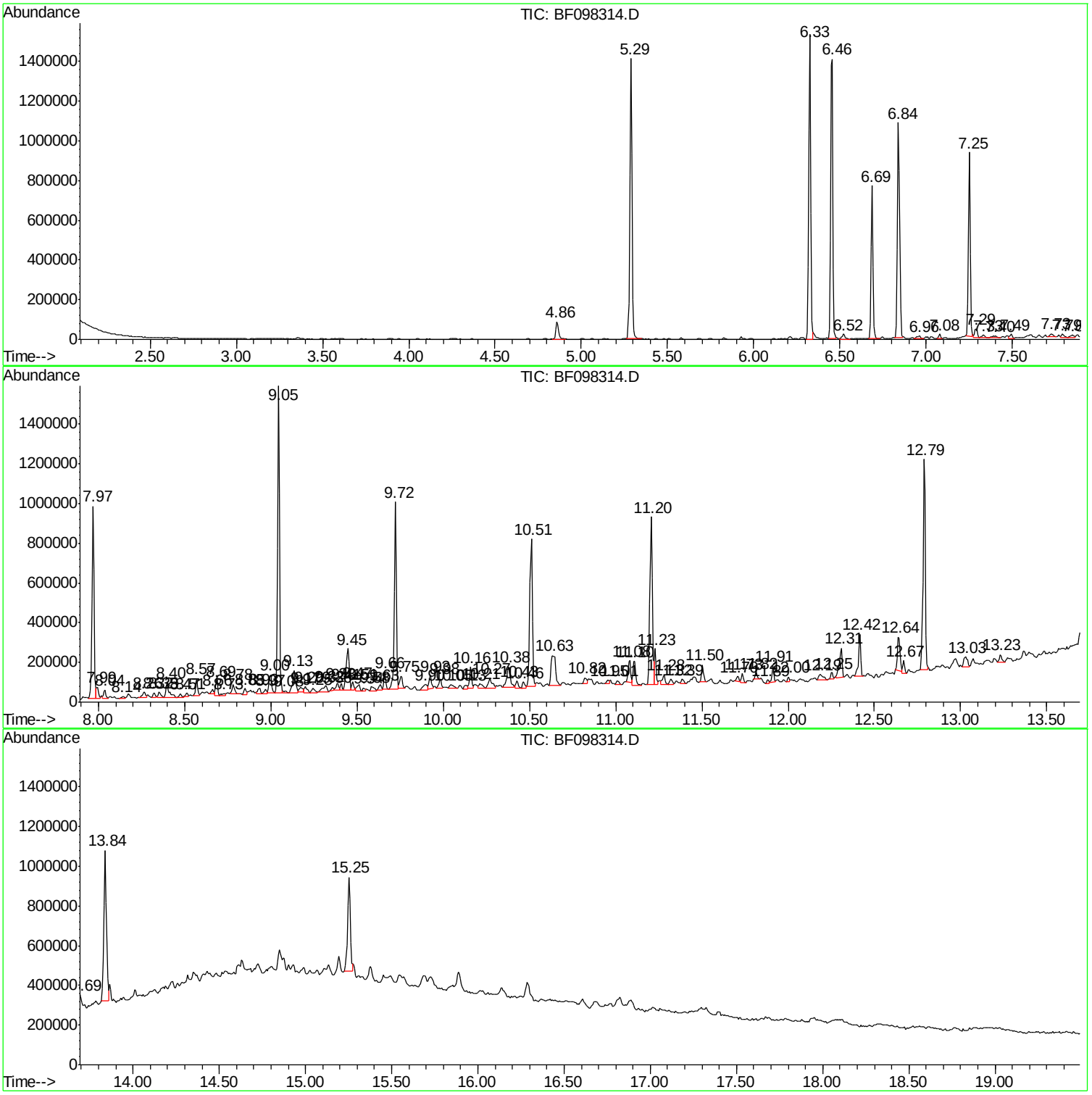
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098314.D
Acq On : 7 Sep 2017 15:29
Operator : SJ/JU
Sample : I5075-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098314.D
Acq On : 7 Sep 2017 15:29
Operator : SJ/JU
Sample : I5075-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-221

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

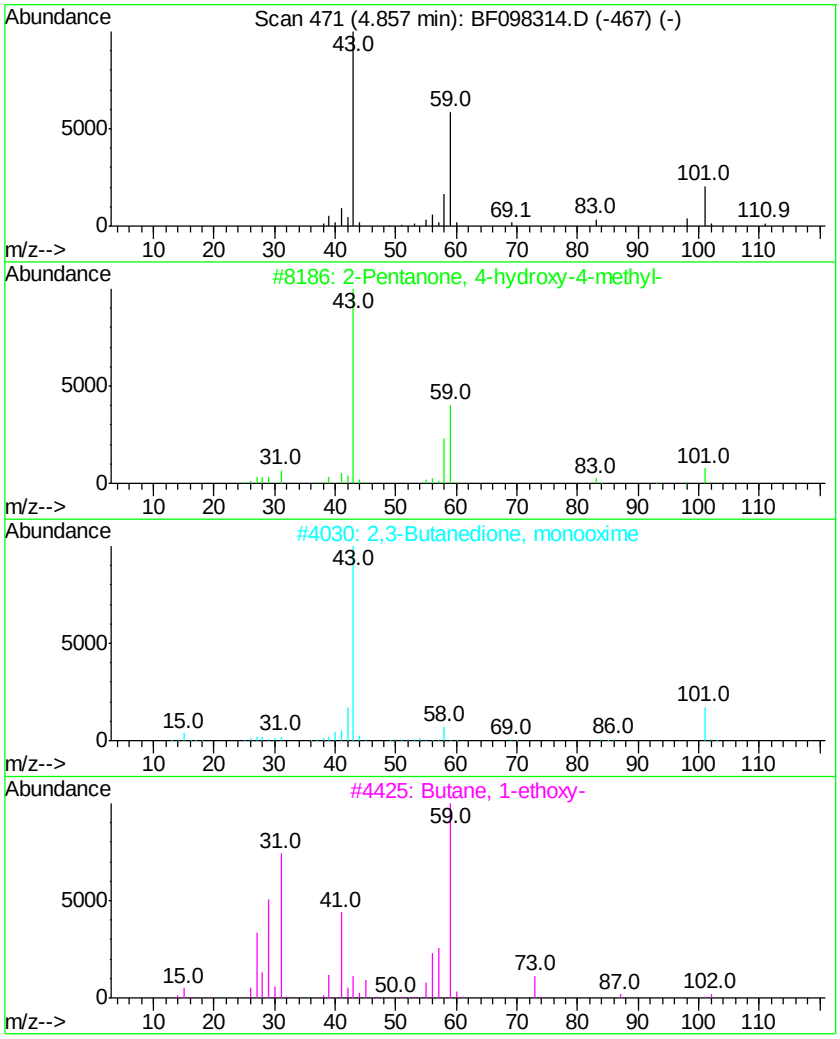
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

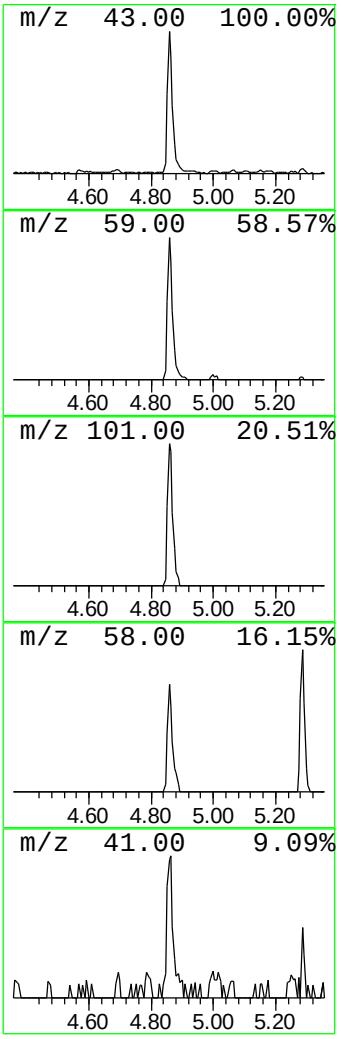
****

Peak Number 1 unknown4.86 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	3.40 ng	106705	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098314.D
Acq On : 7 Sep 2017 15:29
Operator : SJ/JU
Sample : I5075-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-221

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

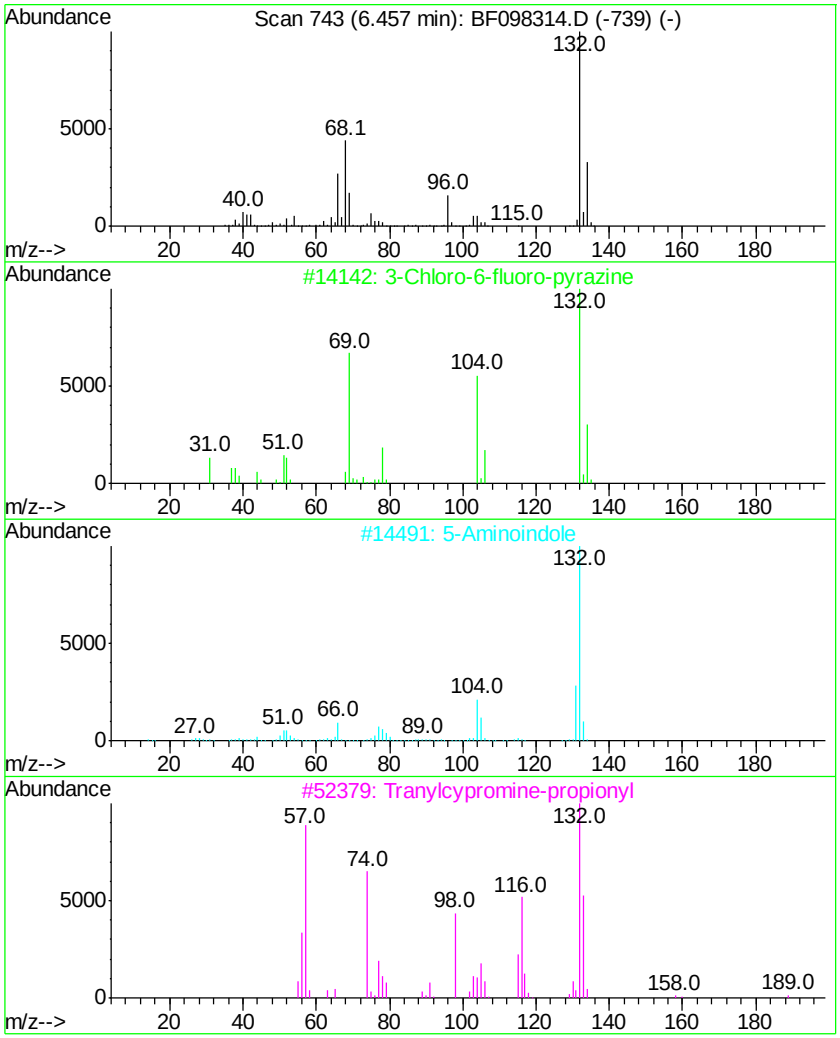
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

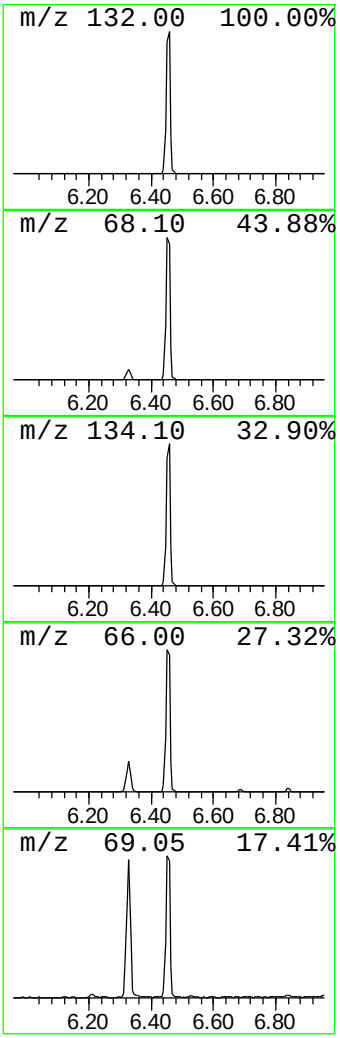
****

Peak Number 2 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	41.73 ng	1311040	1,4-Dichlorobenzene-d4	6.69

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	10
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098314.D
Acq On : 7 Sep 2017 15:29
Operator : SJ/JU
Sample : I5075-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-221

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

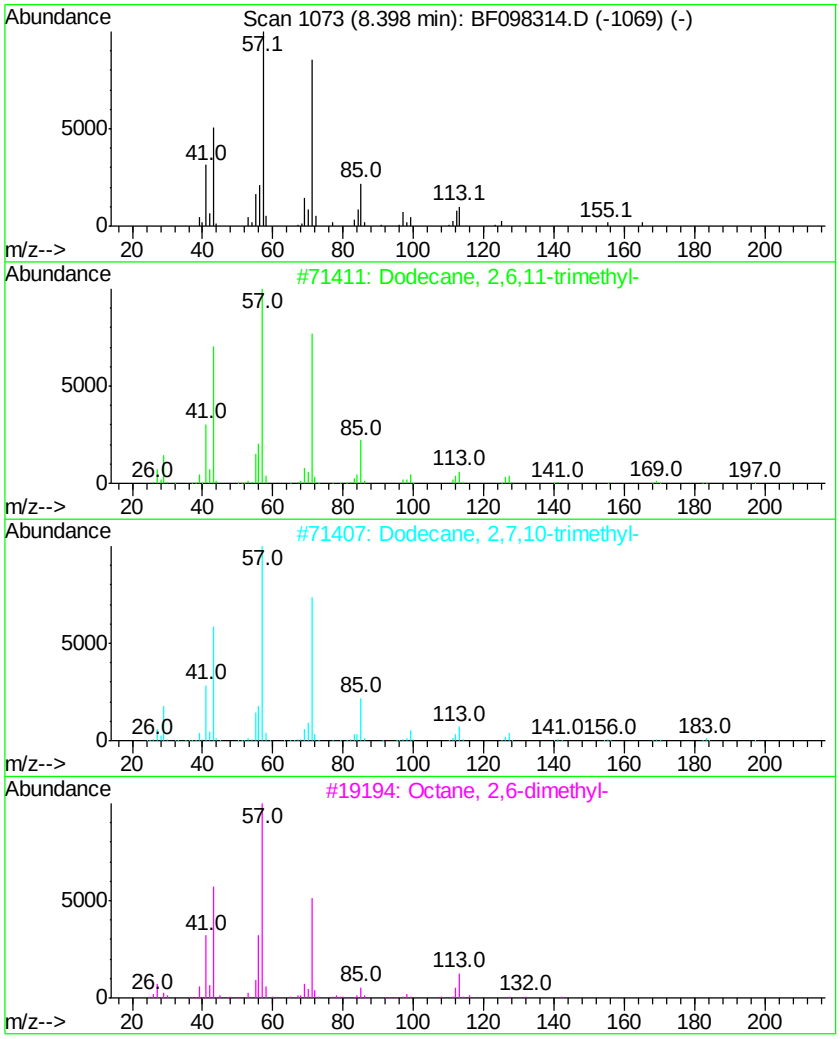
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

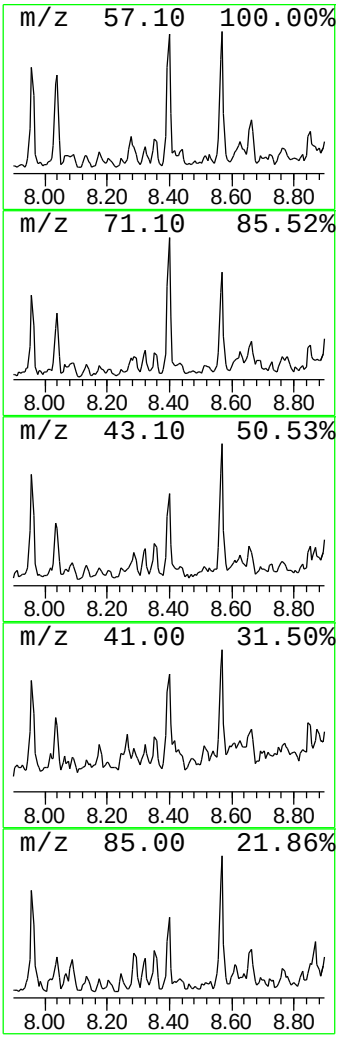
****

Peak Number 4 Dodecane, 2,6,11-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	2.60 ng	112269	Naphthalene-d8	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
5	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	64





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098314.D
Acq On : 7 Sep 2017 15:29
Operator : SJ/JU
Sample : I5075-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-221

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

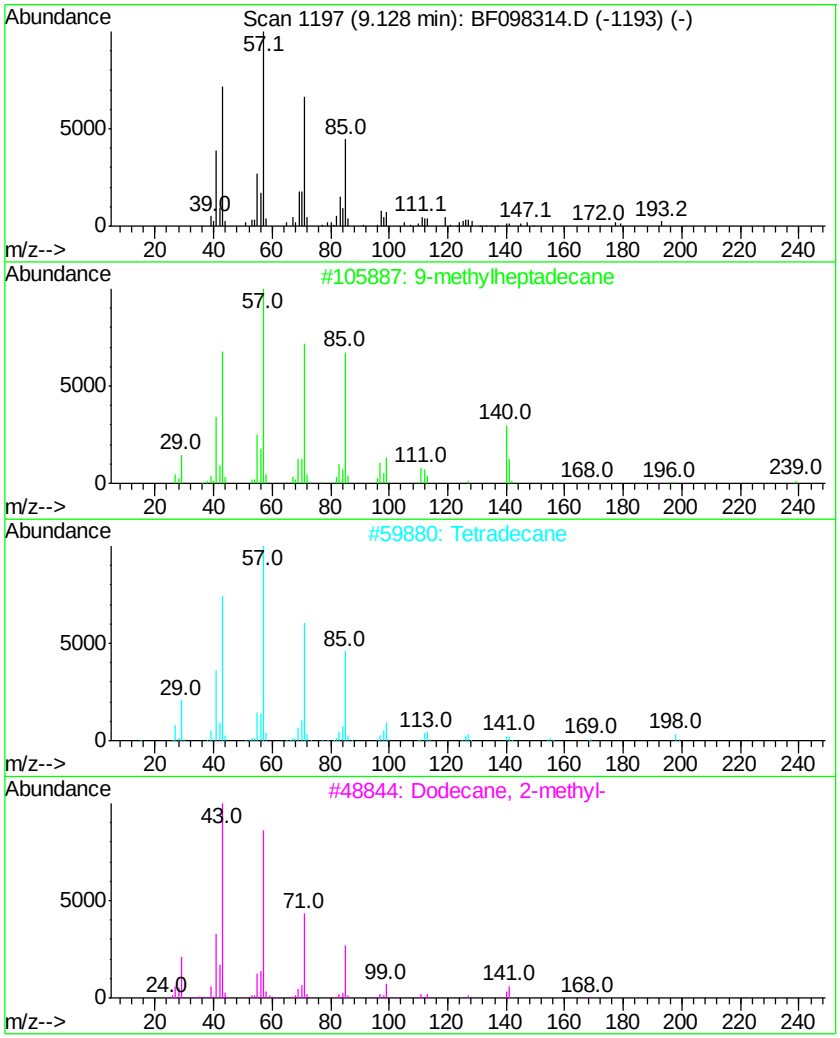
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

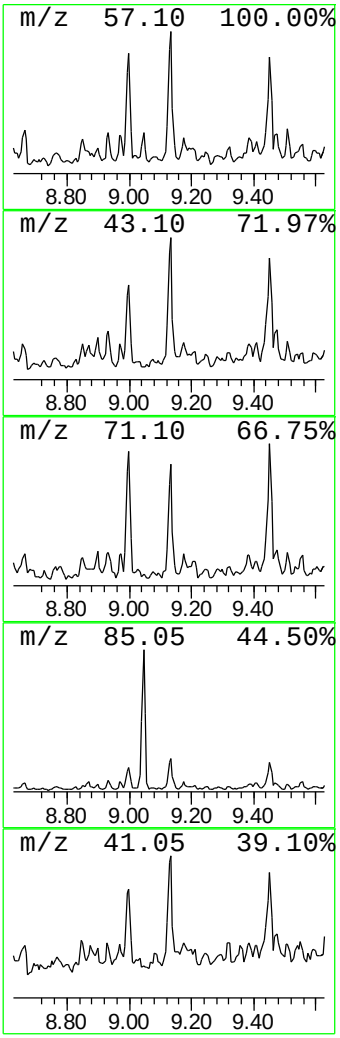
****

Peak Number 5 9-methylheptadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	3.47 ng	144579	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-methylheptadecane	254	C18H38	026741-18-4	91
2	Tetradecane	198	C14H30	000629-59-4	80
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72
4	Hexacosane	366	C26H54	000630-01-3	72
5	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	72





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098314.D
Acq On : 7 Sep 2017 15:29
Operator : SJ/JU
Sample : I5075-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-221

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

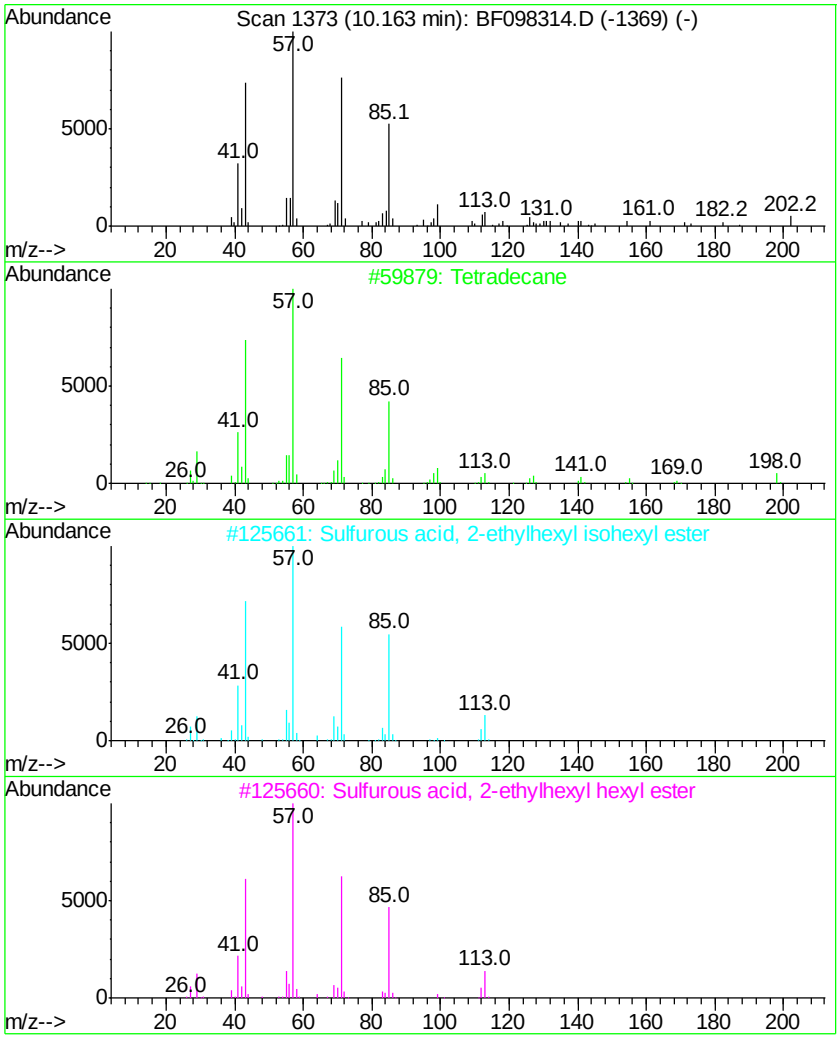
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

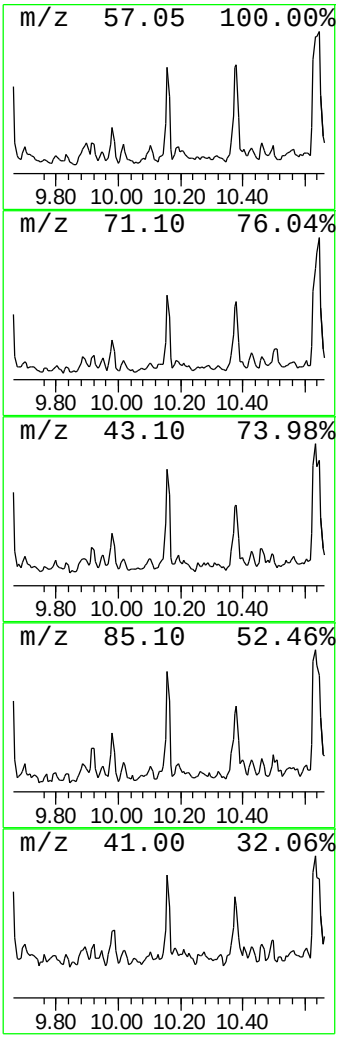
****

Peak Number 6 Tetradecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	2.37 ng	98998	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	83
2	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	80
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	78
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098314.D
Acq On : 7 Sep 2017 15:29
Operator : SJ/JU
Sample : I5075-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-221

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

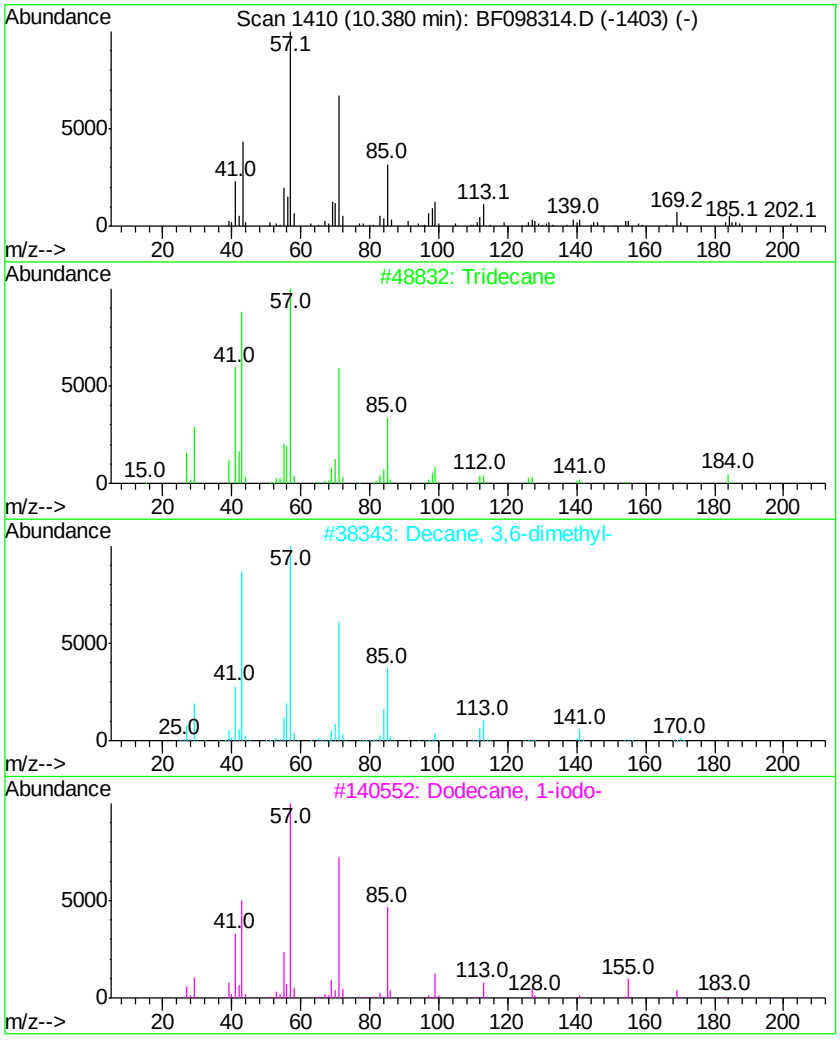
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

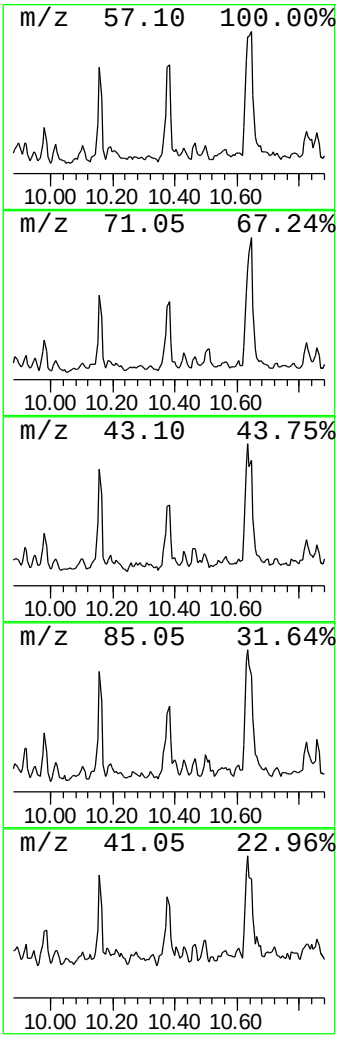
****

Peak Number 7 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	3.37 ng	140508	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	76
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
4	Heptacosane	380	C27H56	000593-49-7	72
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098314.D
Acq On : 7 Sep 2017 15:29
Operator : SJ/JU
Sample : I5075-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-221

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

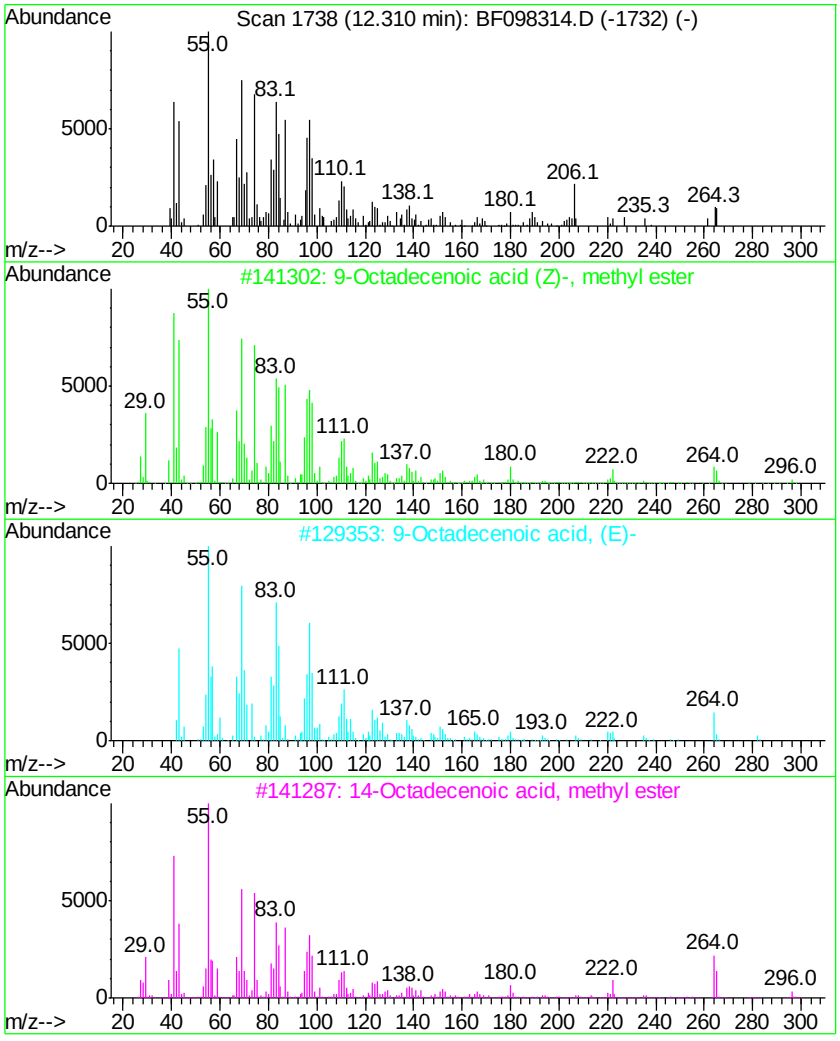
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

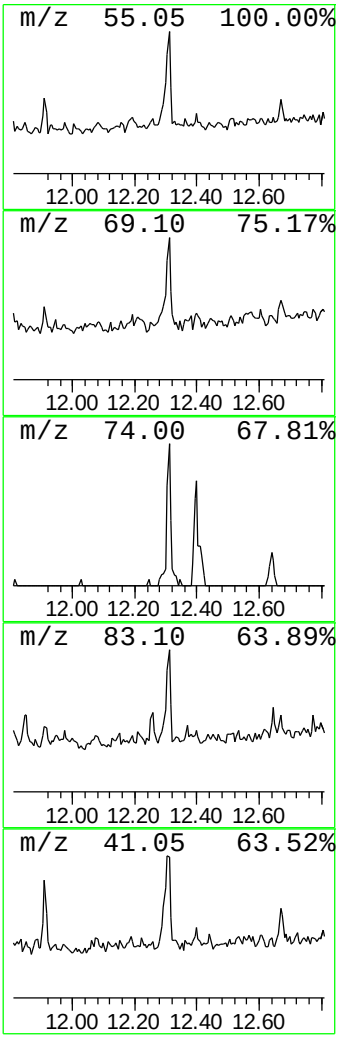
****

Peak Number 11 9-Octadecenoic acid (Z)-, m... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	5.06 ng	189196	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
2	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	64
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	60
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	58
5	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	58





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF090717\
Data File : BF098314.D
Acq On : 7 Sep 2017 15:29
Operator : SJ/JU
Sample : I5075-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-221

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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
unknown4.86	4.86	3.4	ng	106705	1	6.69	628325	20.0
unknown6.46	6.46	41.7	ng	1311040	1	6.69	628325	20.0
Dodecane, 2,6,11-...	8.40	2.6	ng	112269	2	7.97	863358	20.0
9-methylheptadecane	9.13	3.5	ng	144579	3	9.72	834077	20.0
Tetradecane	10.16	2.4	ng	98998	3	9.72	834077	20.0
Tridecane	10.38	3.4	ng	140508	3	9.72	834077	20.0
9-Octadecenoic ac...	12.31	5.1	ng	189196	4	11.20	748035	20.0