LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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	5.310	545	548	557	rVB	585464	528797	28.68%	1.685%
2	5.604	594	598	604	rBV	116541	102252	5.55%	0.326%
3	5.951	654	657	660	rVV	127258	128180	6.95%	0.409%
4	6.146	684	690	692	rBV2	66904	86757	4.70%	0.276%
5	6.210	698	701	702	rVV	103686	92325	5.01%	0.294%
6	6.234	702	705	708	rVV2	205027	247599	13.43%	0.789%
7	6.263	708	710	713	rVV	97828	78574	4.26%	0.250%
8	6.298	713	716	721	rVV2	153692	205036	11.12%	0.653%
9	6.345	721	724	728	rVV	642452	575607	31.22%	1.834%
10	6.393	728	732	737	rVV	97775	127268	6.90%	0.406%
11	6.451	737	742	743	rVV3	74288	102632	5.57%	0.327%
12	6.475	743	746	750	rVV	661756	625586	33.93%	1.994%
13	6.545	753	758	764	rVB2	768408	875745	47.49%	2.791%
14	6.651	769	776	779	rBV5	48936	95716	5.19%	0.305%
15	6.710	782	786	793	rVB2	857963	937188	50.83%	2.987%
16	6.769	793	796	800	rBV	211752	204155	11.07%	0.651%
17	6.863	808	812	815	rBV2	613793	591476	32.08%	1.885%
18	6.992	830	834	836	rVB	304958	324434	17.59%	1.034%
19	7.034	836	841	842	rBV2	248320	338496	18.36%	1.079%
20	7.051	842	844	849	rVB	276966	254295	13.79%	0.810%
21	7.104	849	853	856	rBV	475418	414037	22.45%	1.320%
22	7.134	856	858	863	rVB4	48452	69511	3.77%	0.222%
23	7.181	863	866	868	rBV	108881	112819	6.12%	0.360%
24	7.198	868	869	872	rVB	100209	76043	4.12%	0.242%
25	7.245	872	877	879	rBV2	238129	273681	14.84%	0.872%
26	7.275	879	882	886	rVV2	352578	398690	21.62%	1.271%
27	7.316	886	889	892	rVB	1160707	1009305	54.74%	3.217%
28	7.363	892	897	899	rVB5	194855	268712	14.57%	0.856%
29	7.398	899	903	905	rBV4	127721	157031	8.52%	0.500%
30	7.428	905	908	912	rVB4	130759	133559	7.24%	0.426%
31	7.469	912	915	916	rBV2	65291	68056	3.69%	0.217%
32	7.516	916	923	926	rVB3	248556	438751	23.79%	1.398%
33	7.616	934	940	944	rBV4	184862	425797	23.09%	1.357%
34	7.681	947	951	954	rVB3	238018	272732	14.79%	0.869%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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	7.716	954	957	958	rBV	290820	243309	13.20%	0.775%
36	7.734	958	960	961	rVV2	209552	177883	9.65%	0.567%
37	7.751	961	963	967	rVB4	325693	347668	18.85%	1.108%
38	7.792	967	970	972	rBV	234341	200977	10.90%	0.641%
39	7.816	972	974	975	rVV	122801	97772	5.30%	0.312%
40	7.834	975	977	979	rVB	203943	153882	8.35%	0.490%
41	7.863	979	982	986	rBV2	96954	133451	7.24%	0.425%
42	7.951	991	997	999	rBV5	136845	230897	12.52%	0.736%
43	7.981	999	1002	1007	rVV2	1160542	1705061	92.47%	5.434%
44	8.040	1010	1012	1014	rVV2	125885	129049	7.00%	0.411%
45	8.057	1014	1015	1018	rVB	373826	270759	14.68%	0.863%
46	8.087	1018	1020	1023	rBV2	145912	124082	6.73%	0.395%
47	8.110	1023	1024	1027	rVB3	93048	76253	4.14%	0.243%
48	8.157	1027	1032	1036	rBV6	105746	226286	12.27%	0.721%
49	8.192	1036	1038	1041	rVB2	209389	201999	10.95%	0.644%
50	8.234	1041	1045	1047	rBV3	76811	86098	4.67%	0.274%
51	8.287	1050	1054	1061	rVB5	282635	518119	28.10%	1.651%
52	8.345	1061	1064	1066	rBV2	230450	218087	11.83%	0.695%
53	8.375	1066	1069	1072	rVB3	324782	273709	14.84%	0.872%
54	8.416	1072	1076	1079	rBV	465784	495040	26.85%	1.578%
55	8.457	1082	1083	1086	rVB2	99428	78428	4.25%	0.250%
56	8.498	1087	1090	1093	rVB2	306805	241894	13.12%	0.771%
57	8.534	1093	1096	1098	rBV3	87290	96721	5.25%	0.308%
58	8.592	1102	1106	1109	rBV	862254	827300	44.87%	2.637%
59	8.651	1113	1116	1119	rVB2	166557	136412	7.40%	0.435%
60	8.687	1119	1122	1124	rVB3	192460	196498	10.66%	0.626%
61	8.787	1134	1139	1140	rBV3	55443	80999	4.39%	0.258%
62	8.816	1141	1144	1148	rVB3	178636	153443	8.32%	0.489%
63	8.869	1151	1153	1155	rBV3	162441	152590	8.28%	0.486%
64	8.922	1160	1162	1163	rVV	122794	108626	5.89%	0.346%
65	8.951	1165	1167	1170	rVV2	221820	211316	11.46%	0.673%
66	8.992	1171	1174	1176	rVV2	178122	157357	8.53%	0.501%
67	9.016	1176	1178	1183	rVV2	349497	341987	18.55%	1.090%
68	9.069	1183	1187	1190	rVB	629800	497849	27.00%	1.587%
69	9.151	1197	1201	1206	rBV	674910	675912	36.66%	2.154%
70	9.198	1206	1209	1210	rVV2	103050	111762	6.06%	0.356%
71	9.216	1210	1212	1218	rVV5	137254	204569	11.09%	0.652%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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	9.404	1242	1244	1246	rVV2	126089	137672	7.47%	0.439%
73	9.428	1246	1248	1250	rVV2	132854	107498	5.83%	0.343%
74	9.469	1250	1255	1258	rVV3	270908	408668	22.16%	1.302%
75	9.492	1258	1259	1263	rVV2	162328	140341	7.61%	0.447%
76	9.528	1263	1265	1268	rVV	115833	106266	5.76%	0.339%
77	9.681	1288	1291	1295	rVV	368168	293873	15.94%	0.937%
78	9.745	1295	1302	1307	rVB	960991	876825	47.55%	2.794%
79	9.910	1327	1330	1333	rVV4	47514	77133	4.18%	0.246%
80	10.004	1342	1346	1349	rVV4	68647	82335	4.47%	0.262%
81	10.181	1373	1376	1378	rVB	162419	124864	6.77%	0.398%
82	10.398	1407	1413	1419	rVB	49545	71557	3.88%	0.228%
83	10.533	1430	1436	1439	rBV	273273	262441	14.23%	0.836%
84	10.651	1453	1456	1464	rVB	115503	137088	7.43%	0.437%
85	11.228	1550	1554	1557	rBV	919008	745457	40.43%	2.376%
86	11.628	1618	1622	1625	rBV	709776	538984	29.23%	1.718%
87	12.310	1734	1738	1740	rVV	1918911	1843942	100.00%	5.877%
88	12.333	1740	1742	1750	rVB2	1566766	1348196	73.11%	4.297%
89	12.416	1753	1756	1758	rVV	283993	238895	12.96%	0.761%
90	12.439	1758	1760	1763	rVB	180238	138091	7.49%	0.440%
91	12.663	1793	1798	1801	rBV	172707	196575	10.66%	0.626%
92	12.810	1820	1823	1829	rVB	566394	480815	26.08%	1.532%
93	12.998	1848	1855	1861	rBV4	47773	94870	5.14%	0.302%
94	13.045	1861	1863	1868	rBV3	49878	76257	4.14%	0.243%
95	13.863	1997	2002	2005	rBV2	905250	946696	51.34%	3.017%
96	13.886	2005	2006	2009	rVB	161251	103317	5.60%	0.329%
97	14.874	2171	2174	2177	rBV	162528	226410	12.28%	0.722%
98	15.157	2220	2222	2228	rVB	83663	101776	5.52%	0.324%
99	15.216	2229	2232	2238	rBV	125069	154757	8.39%	0.493%
100	15.280	2239	2243	2246	rBV	418108	491462	26.65%	1.566%

Sum of corrected areas: 31377947

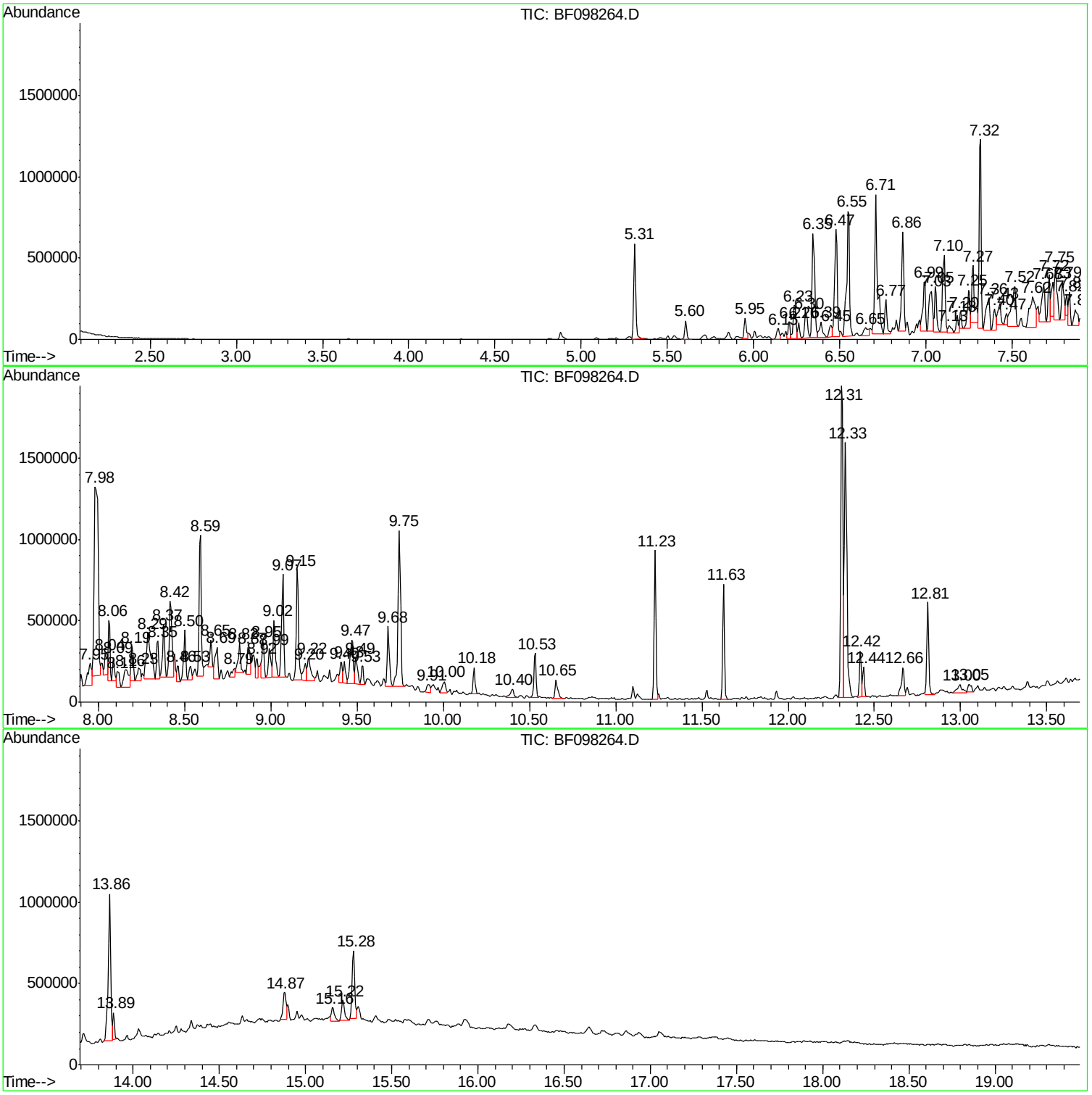
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-06-083117

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 : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

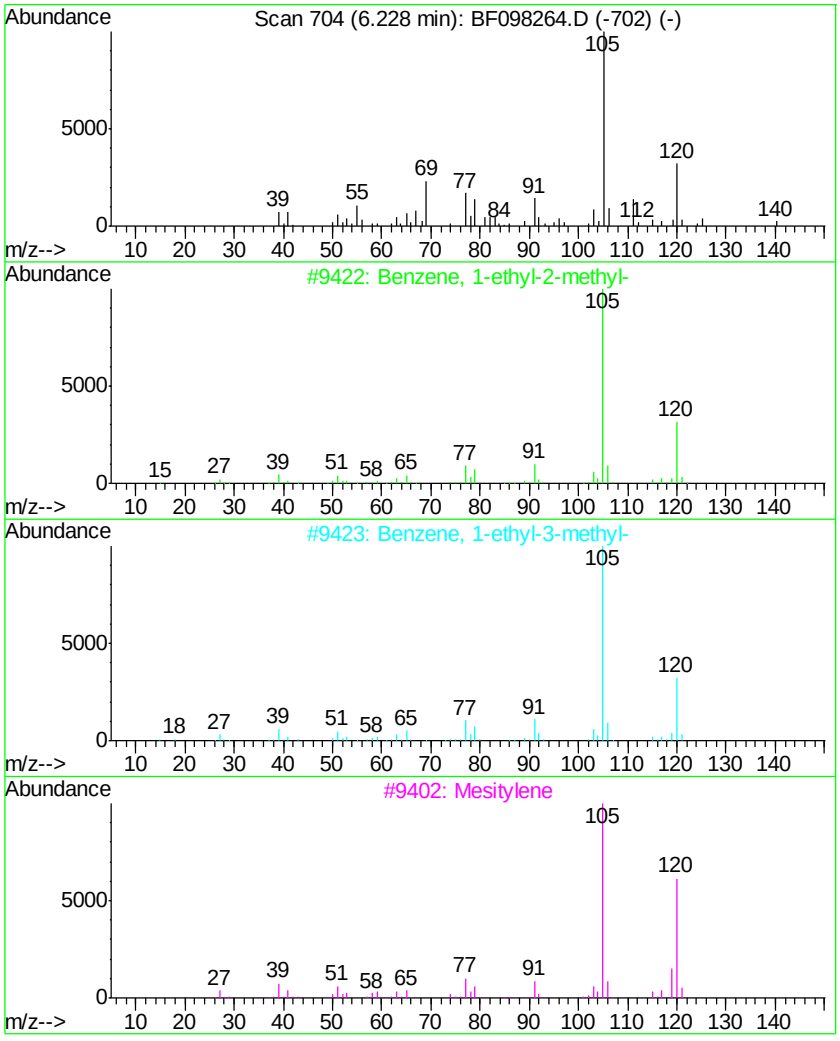
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

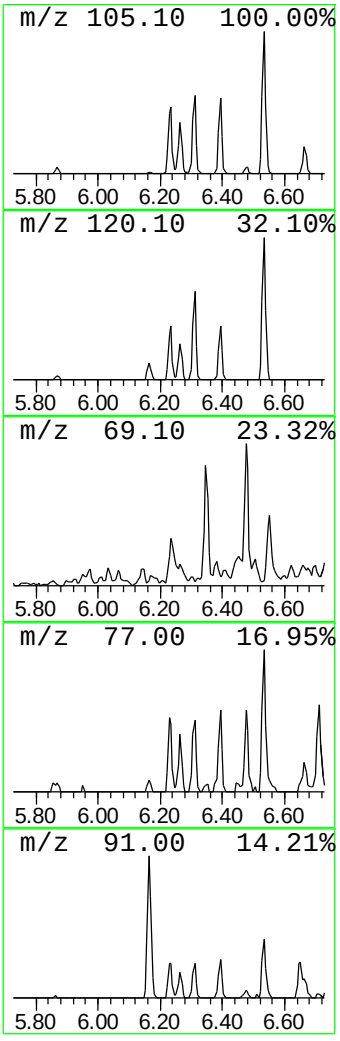
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	5.28 ng	247599	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
3	Mesitylene	120	C9H12	000108-67-8	70
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

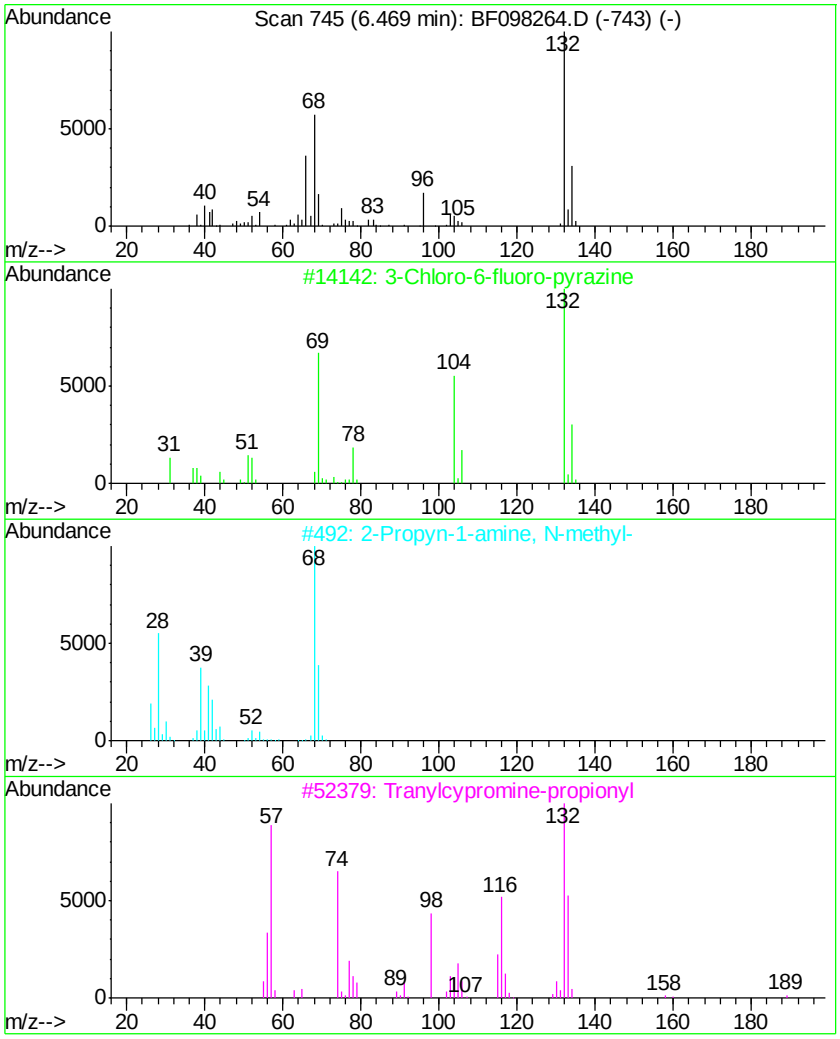
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

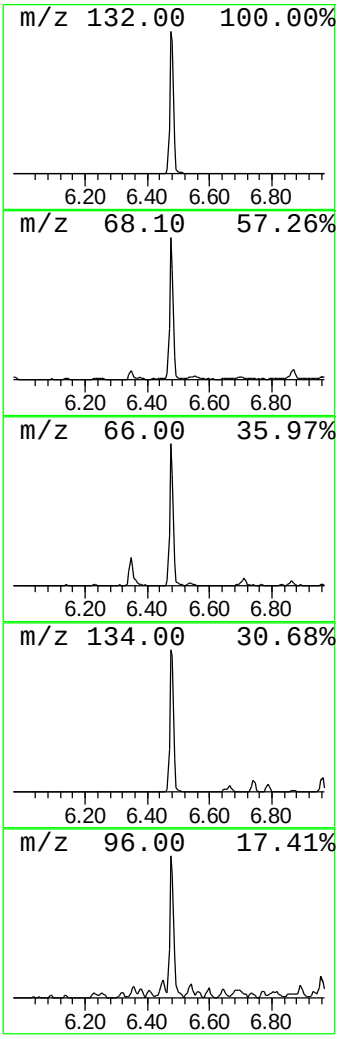
****

Peak Number 2 unknown6.47 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	13.35 ng	625586	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	2-Propyn-1-amine, N-methyl-	69	C4H7N	035161-71-8	11
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Aminoindole	132	C8H8N2	005192-03-0	10
5	1,1-Difluoro-3-methyl-1-silacycl...	134	C5H8F2Si	054077-66-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

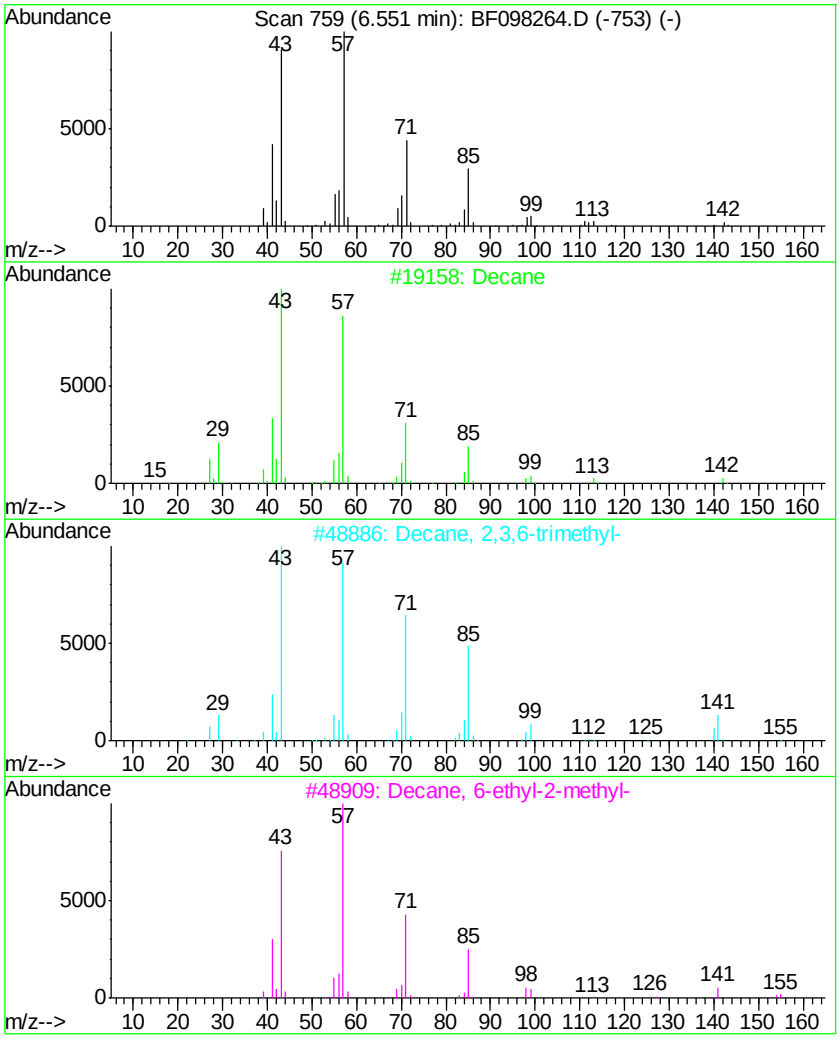
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

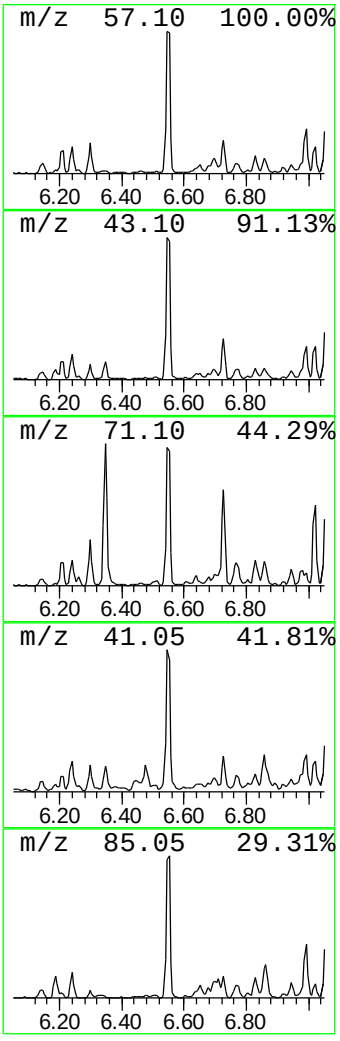
****

Peak Number 3 Decane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	18.69 ng	875745	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	83
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	78
4	Tetradecane	198	C14H30	000629-59-4	72
5	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	72





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

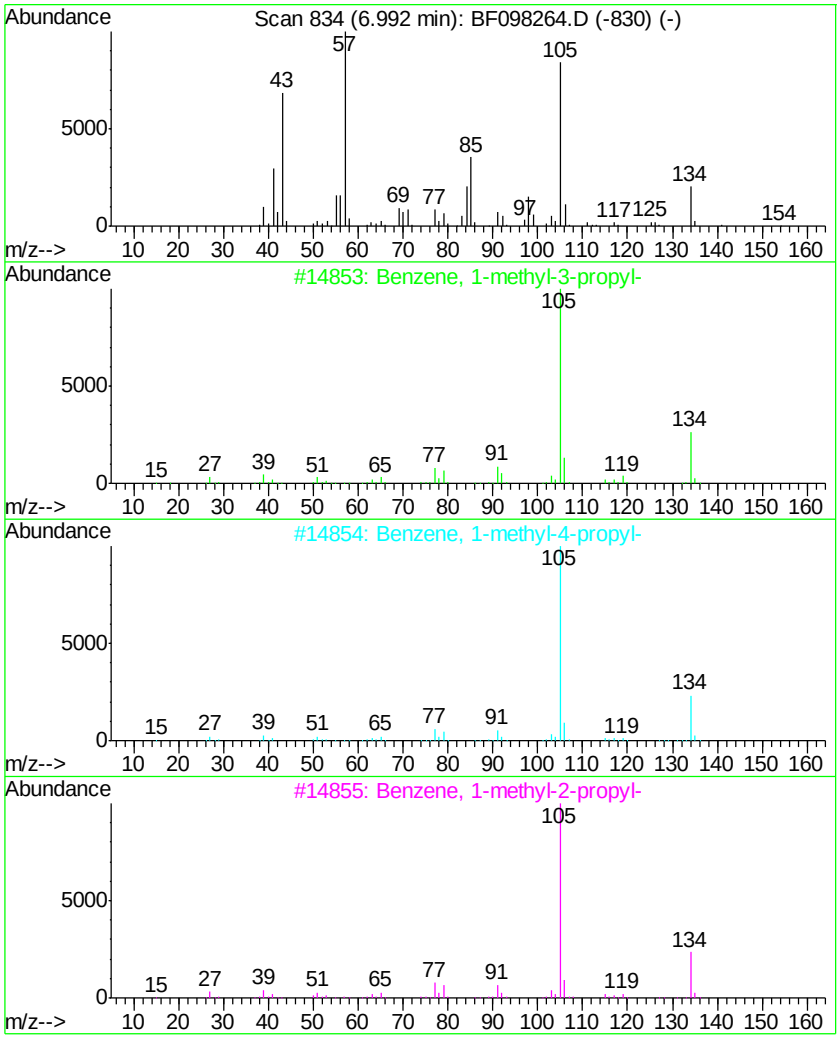
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

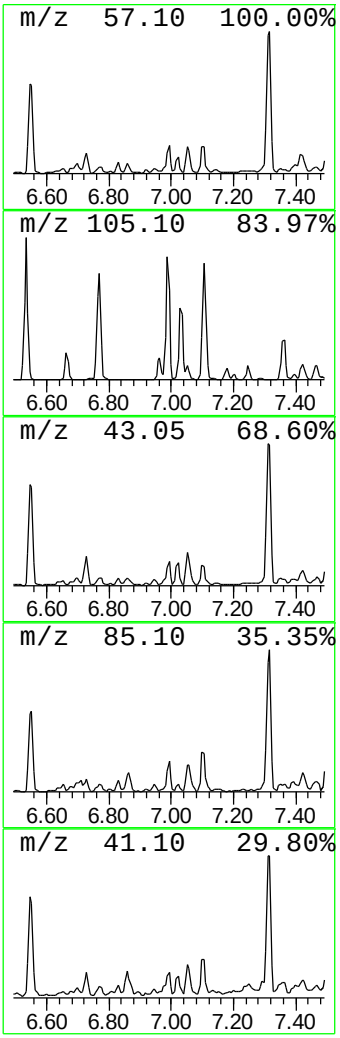
****

Peak Number 5 unknown6.99 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	6.92 ng	324434	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	46
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	42
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	42
4	Heptane, 4-ethyl-	128	C9H20	002216-32-2	38
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

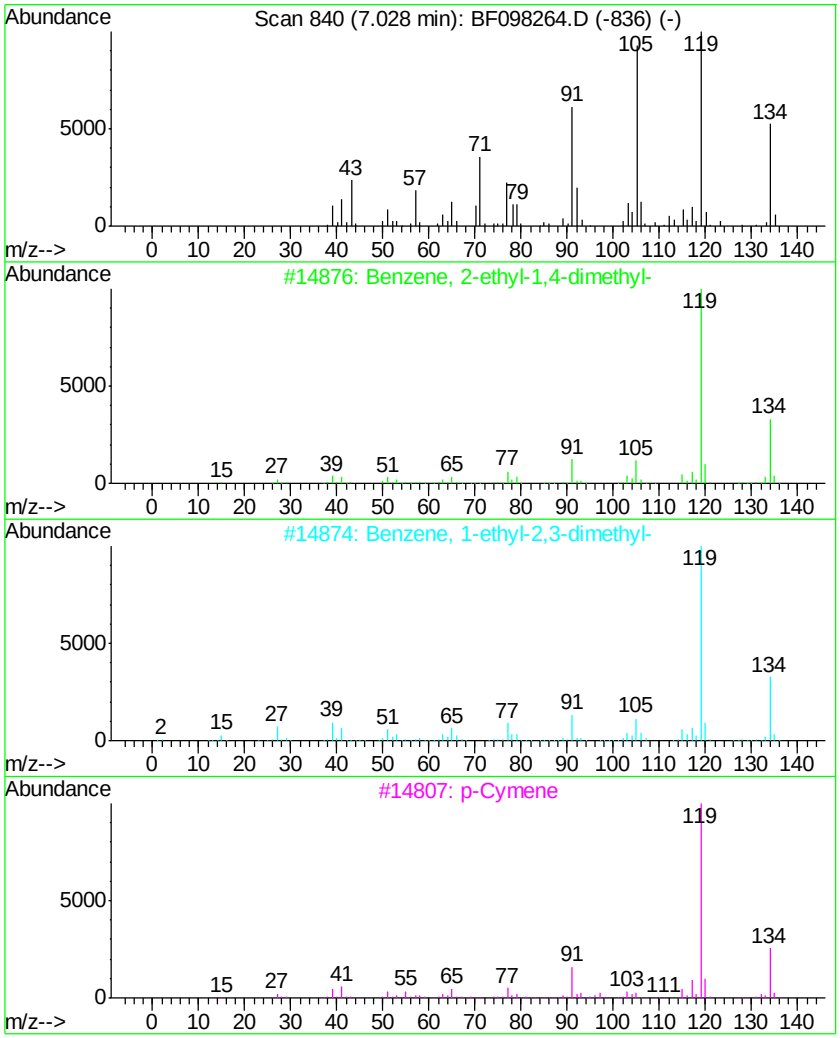
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

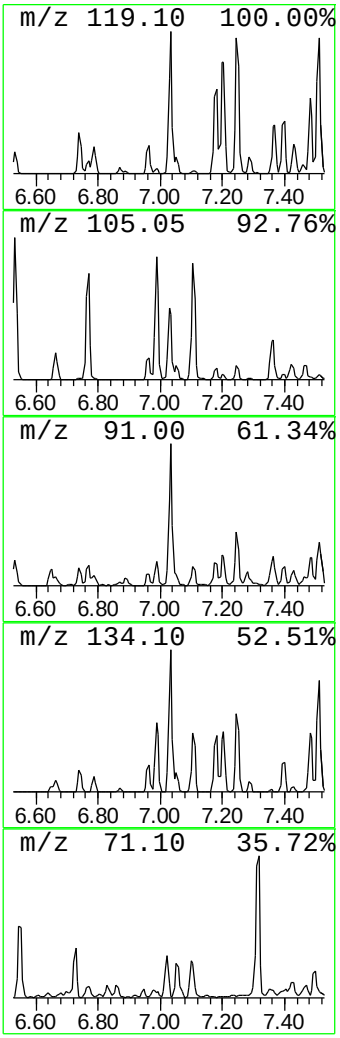
****

Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	7.22 ng	338496	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
3	p-Cymene	134	C10H14	000099-87-6	93
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

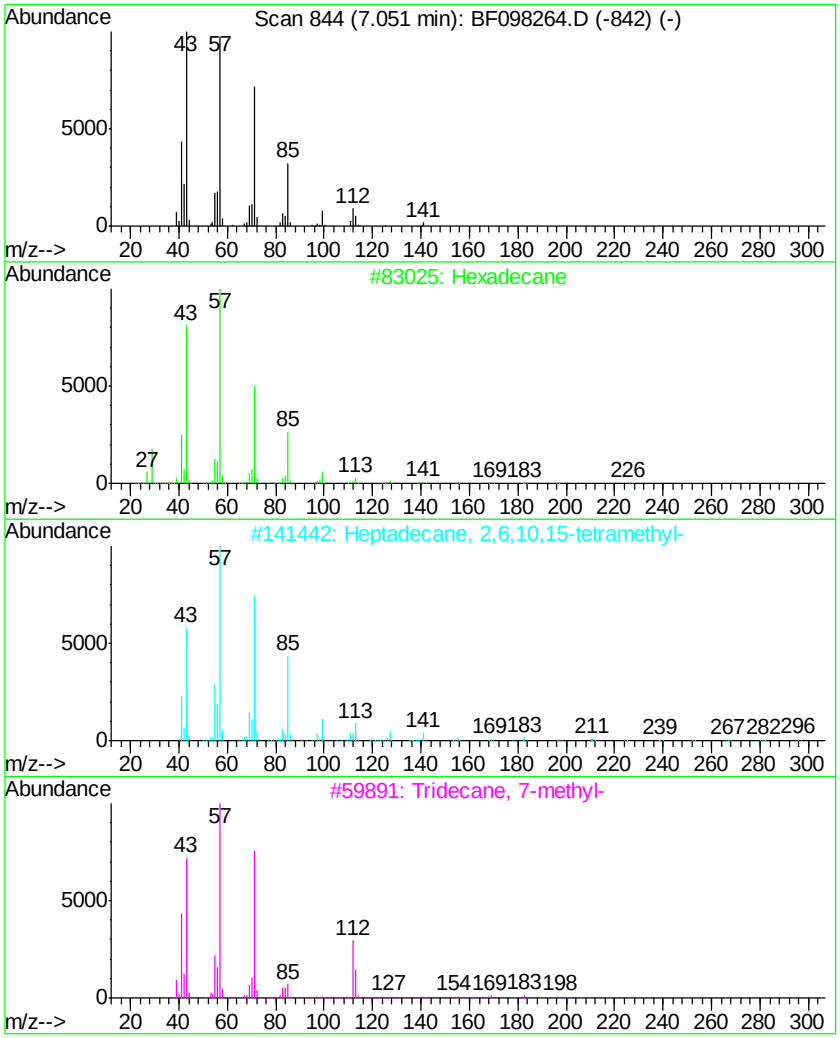
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

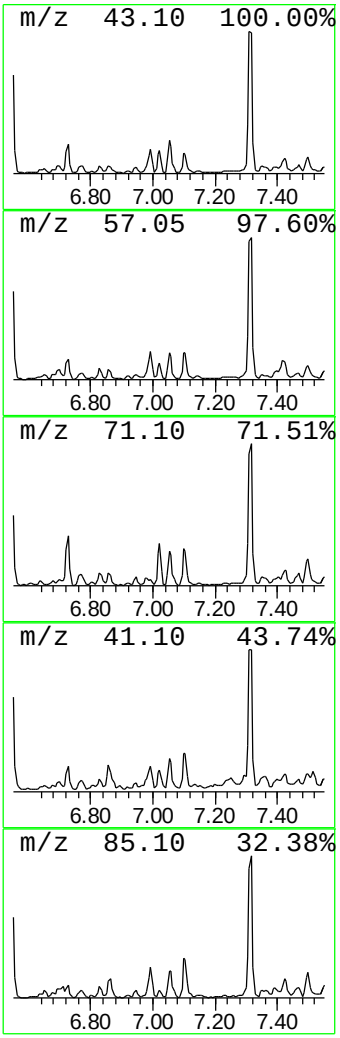
****

Peak Number 7 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	5.43 ng	254295	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	72
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	59
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	59
5	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

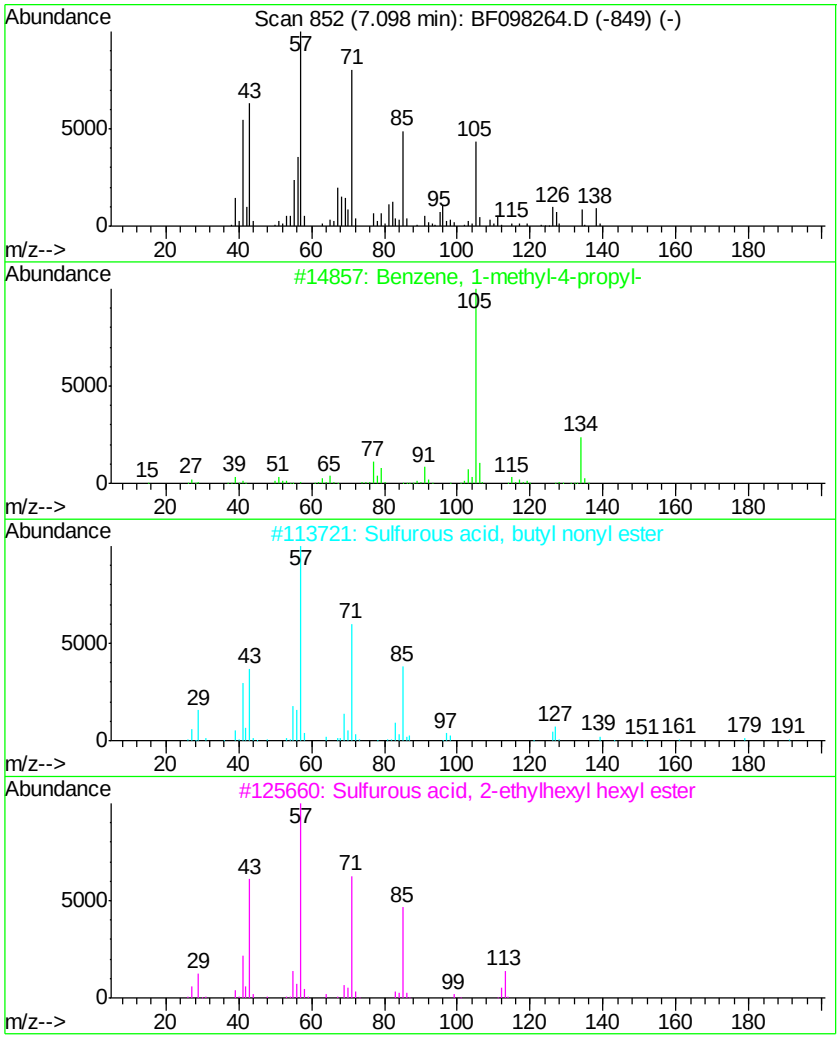
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

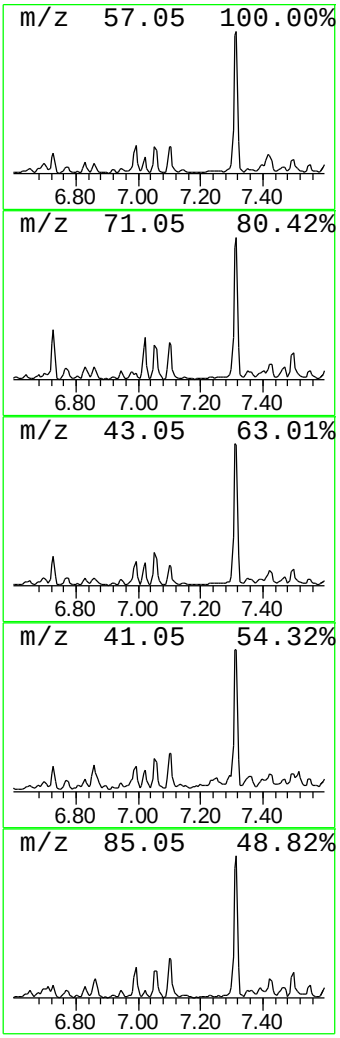
****

Peak Number 8 Benzene, 1-methyl-4-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	8.84 ng	414037	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	56
2	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	35
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	27
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	25
5	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

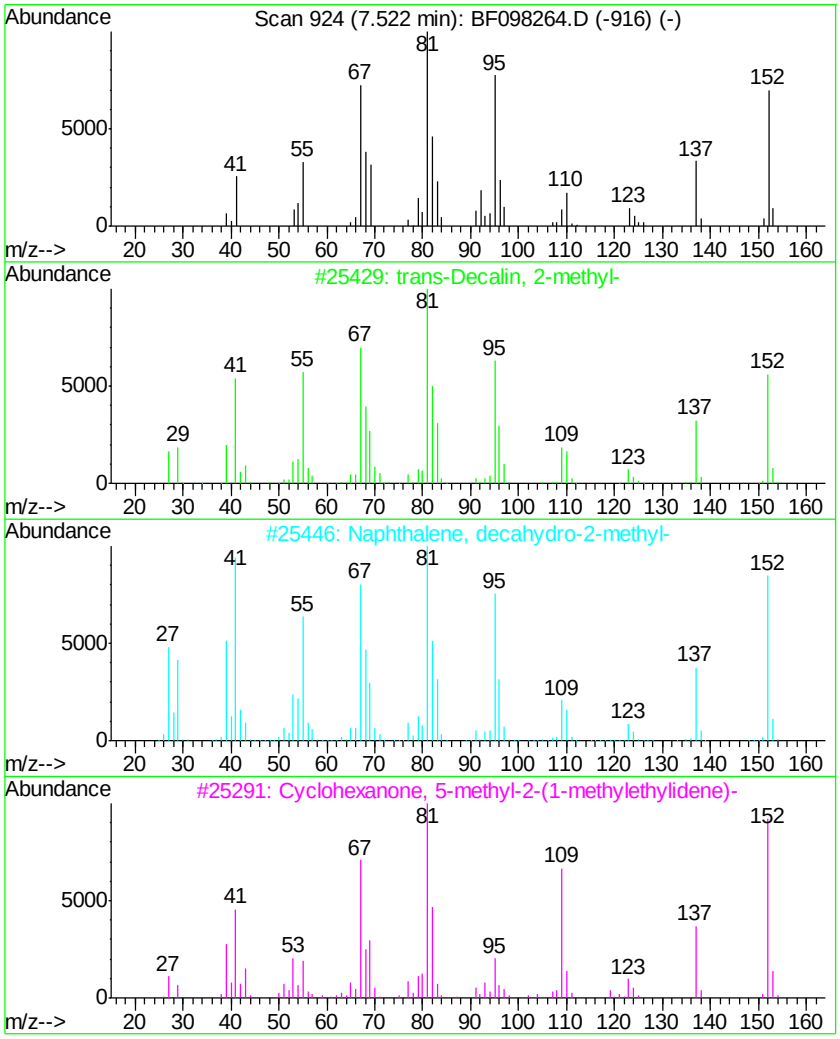
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

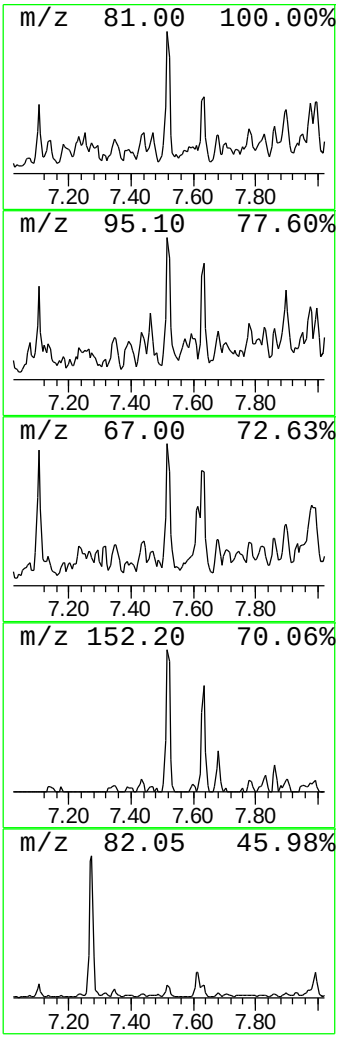
****

Peak Number 9 trans-Decalin, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	5.15 ng	438751	Naphthalene-d8	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	89
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	78
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	60
4	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	53
5	Bicyclo[4.1.0]heptan-2-one, 3,5,...	152	C10H16O	029750-24-1	49





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

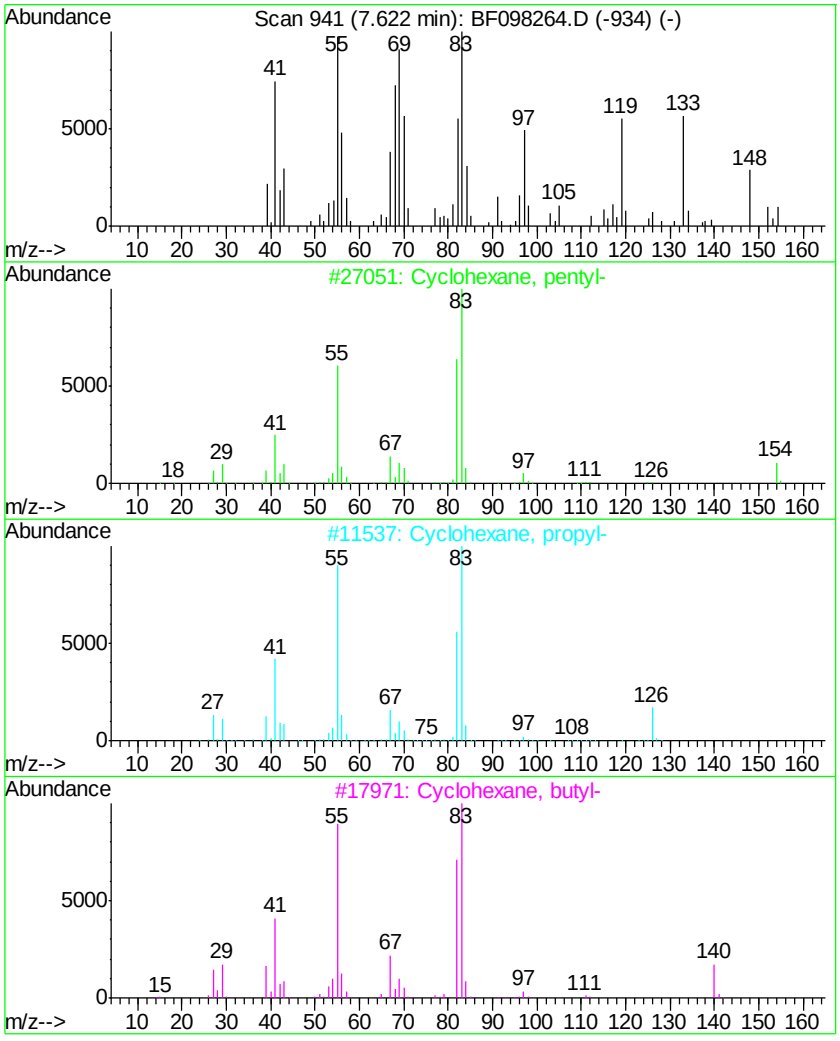
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

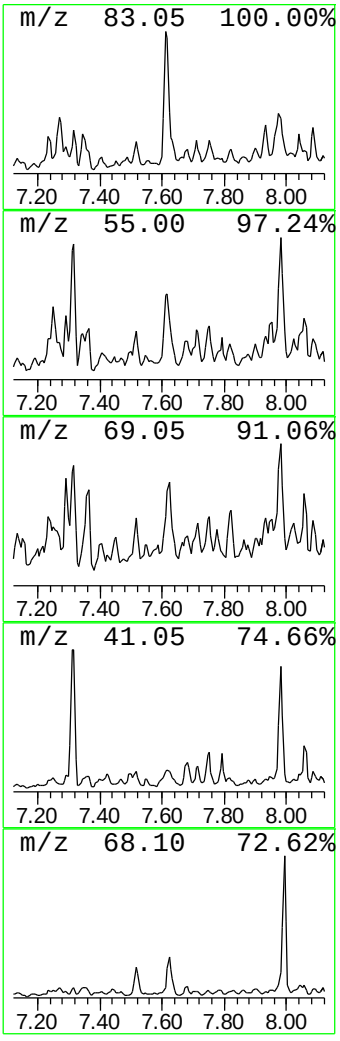
****

Peak Number 10 Cyclohexane, pentyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	4.99 ng	425797	Naphthalene-d8	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	59
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

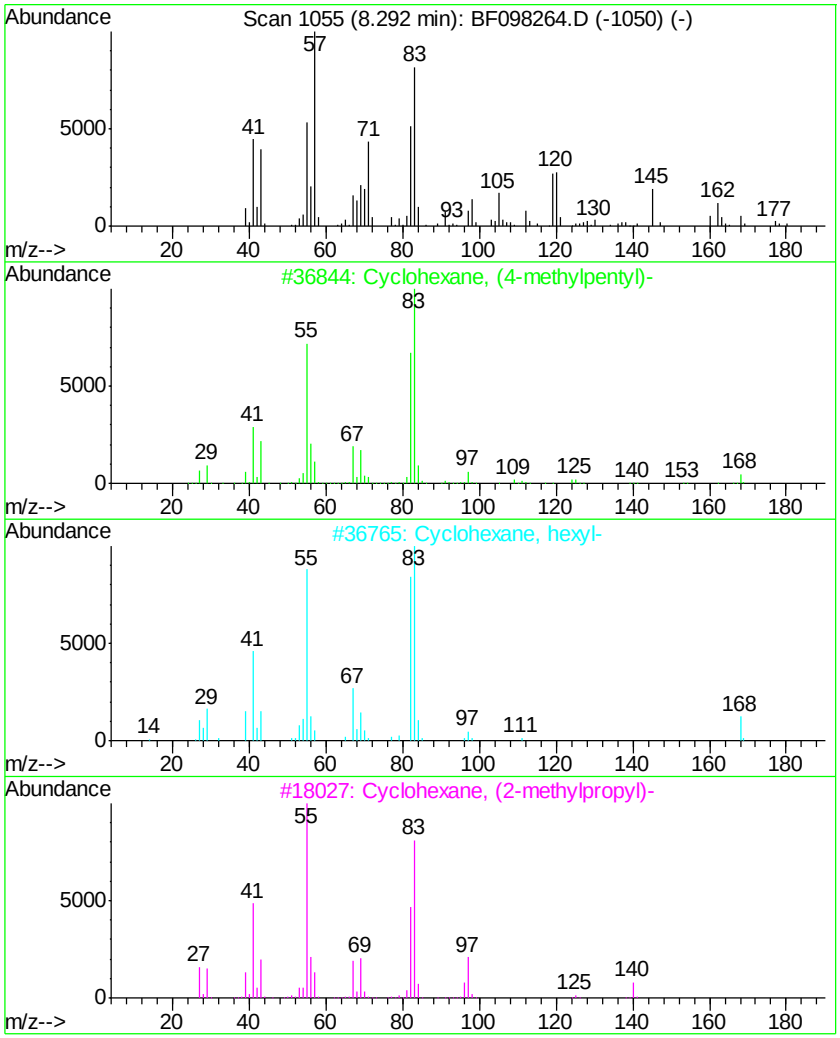
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

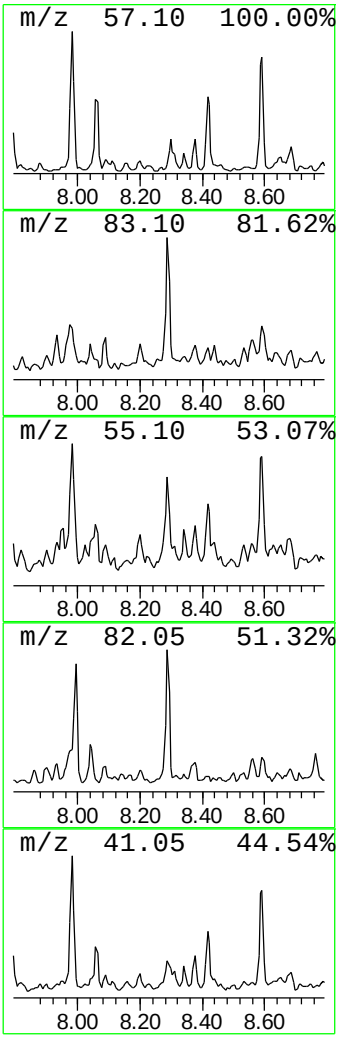
****

Peak Number 11 Cyclohexane, (4-methylpentyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	6.08 ng	518119	Naphthalene-d8	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	53
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	47
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	47
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	47
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

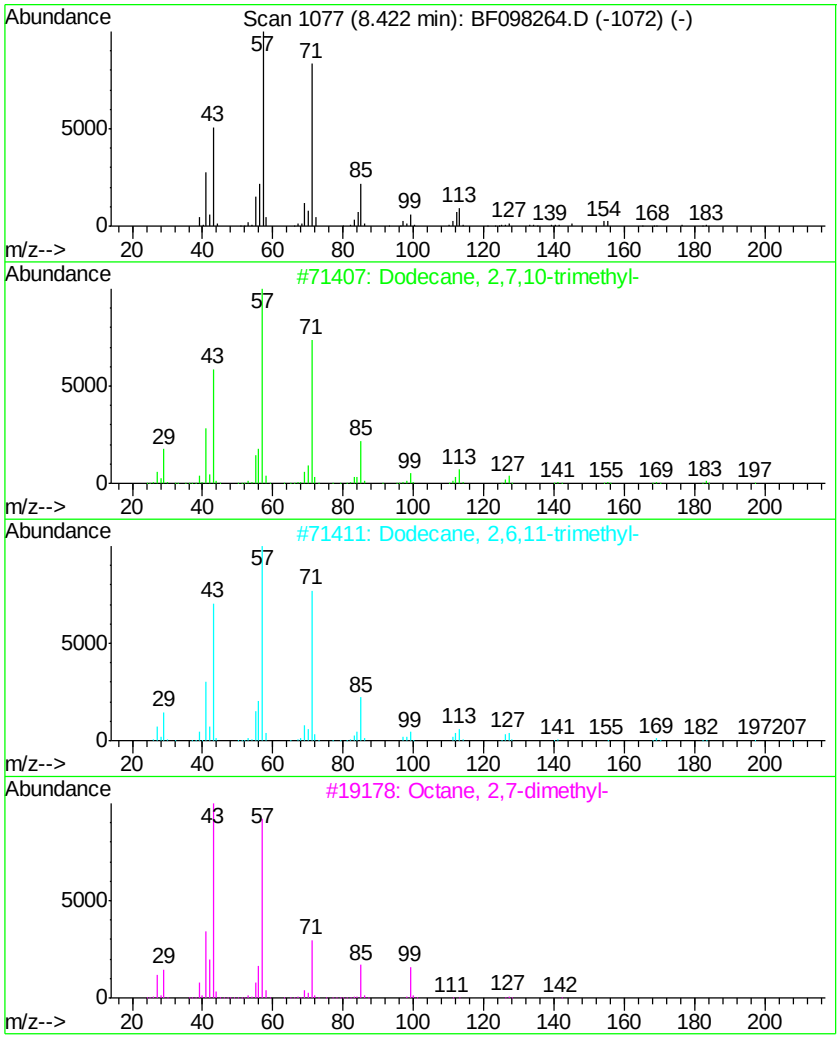
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

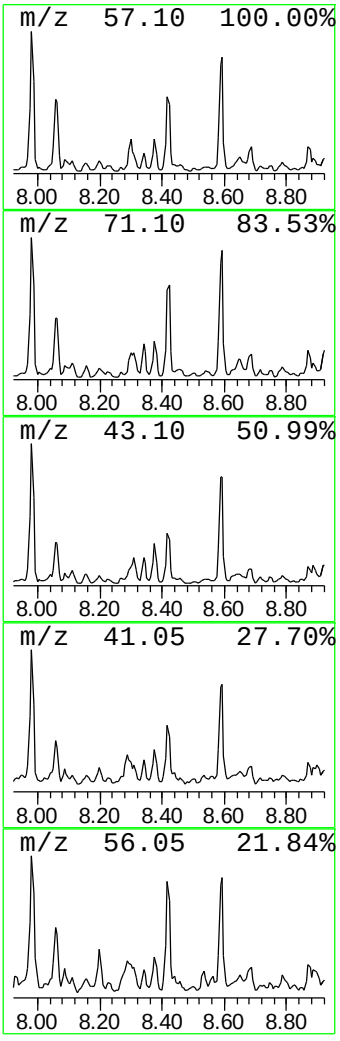
****

Peak Number 12 Dodecane, 2,7,10-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	5.81 ng	495040	Naphthalene-d8	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
3	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	72
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

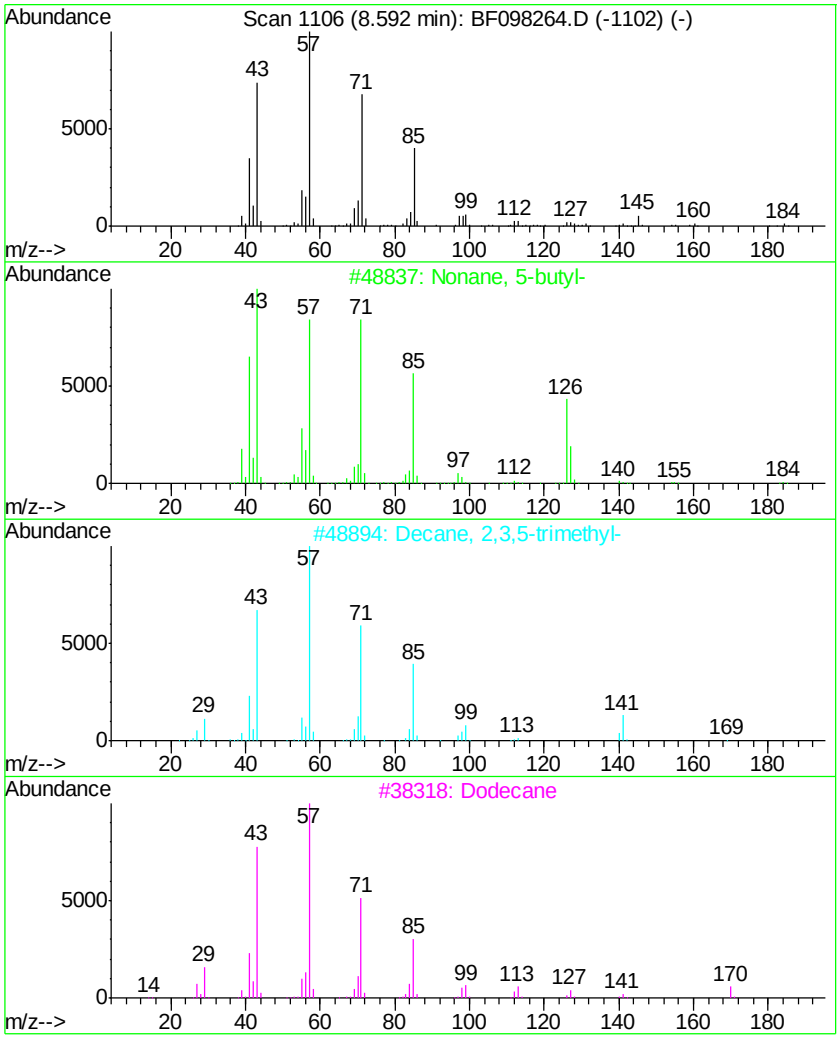
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

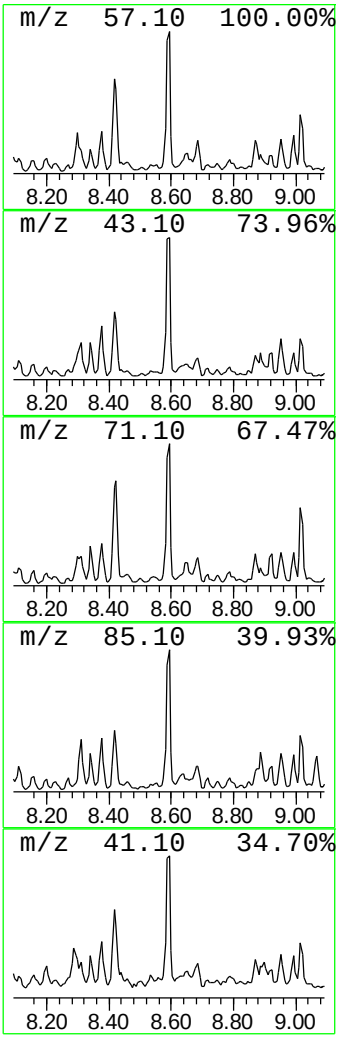
****

Peak Number 13 Nonane, 5-butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	9.70 ng	827300	Naphthalene-d8	7.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-butyl-	184	C13H28	017312-63-9	90
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78
3	Dodecane	170	C12H26	000112-40-3	72
4	Undecane, 6-ethyl-	184	C13H28	017312-60-6	64
5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

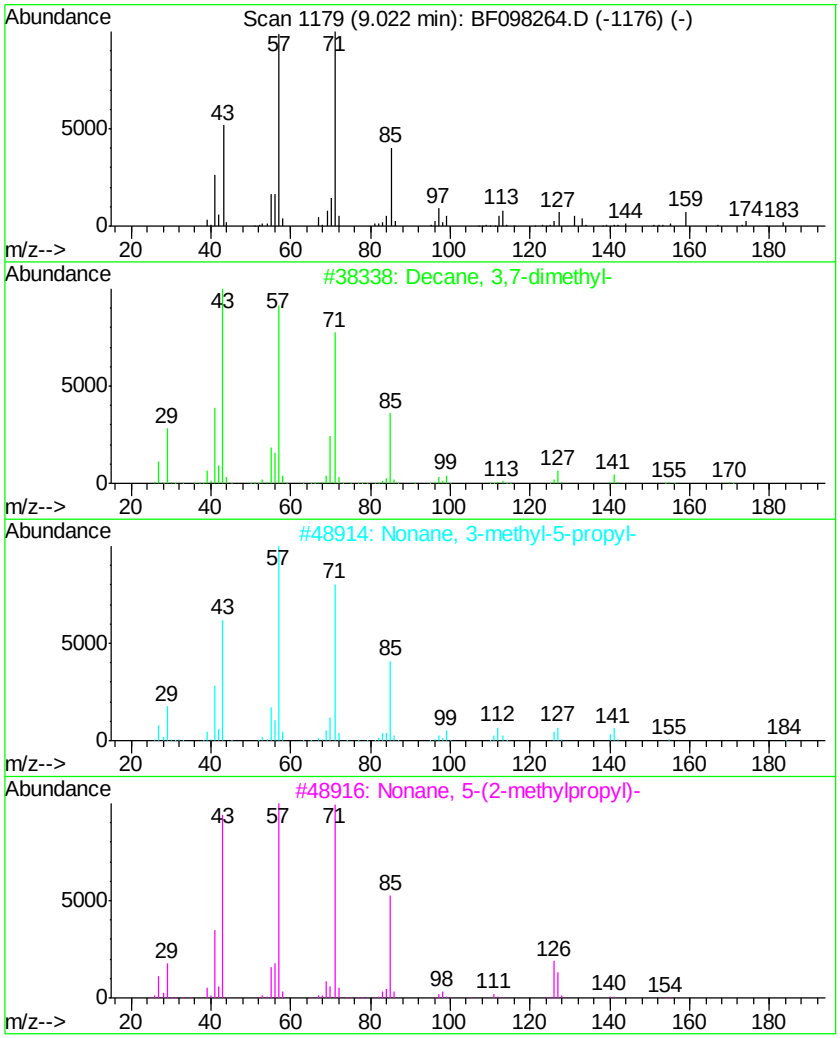
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

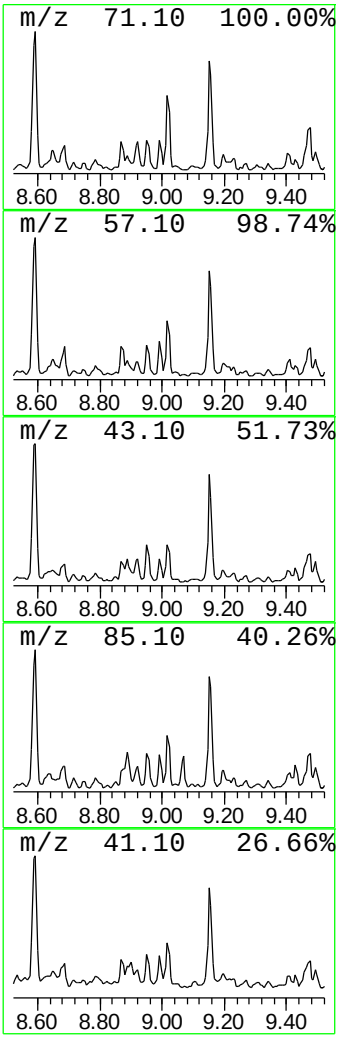
****

Peak Number 14 Decane, 3,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	7.80 ng	341987	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	72
2	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
3	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59
4	2-methyloctacosane	408	C29H60	1000376-72-8	53
5	Oxalic acid, ethyl neopentyl ester	188	C9H16O4	1000309-72-4	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

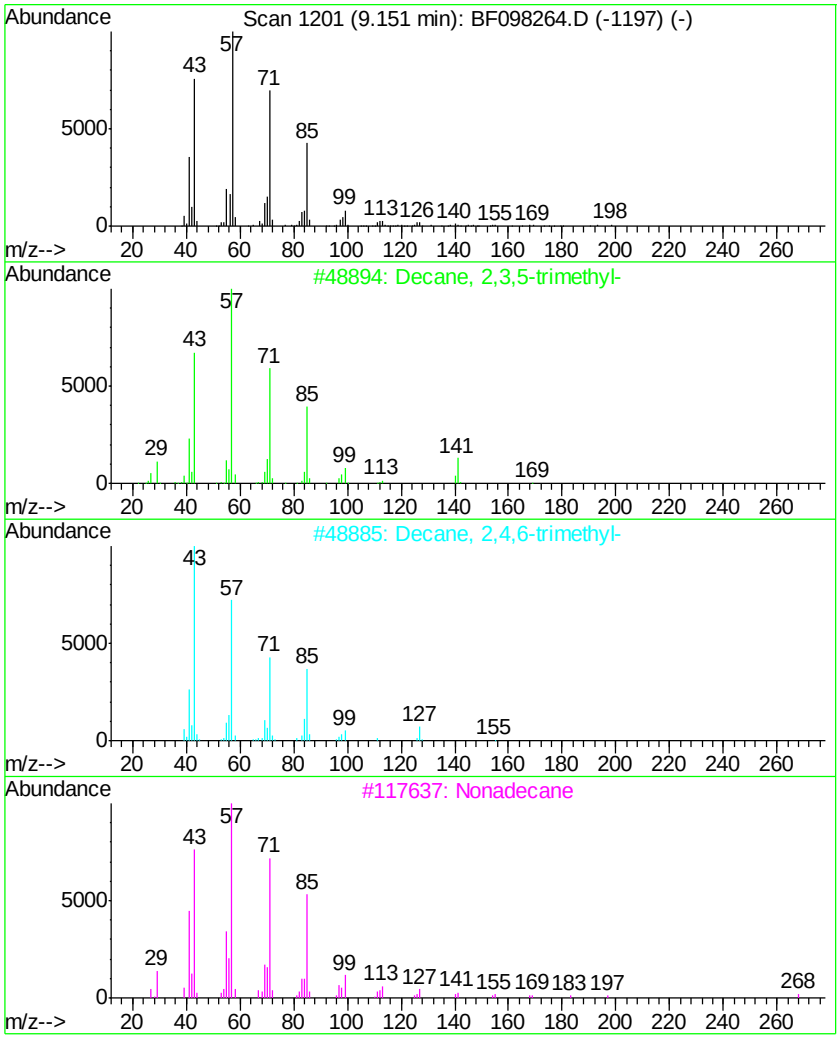
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

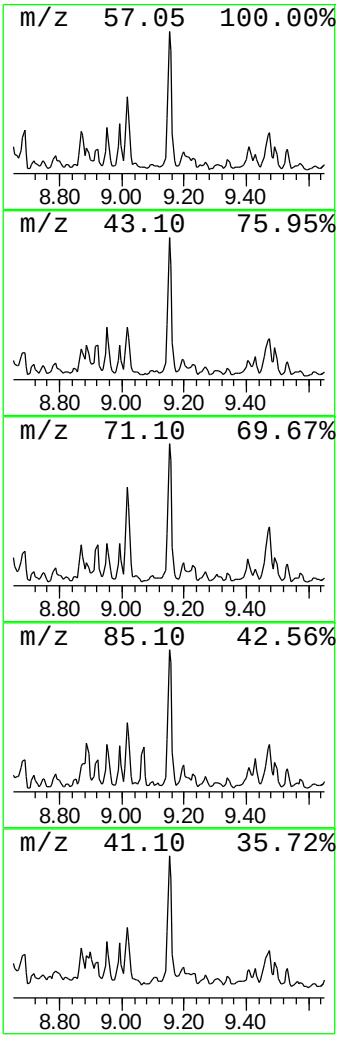
****

Peak Number 15 Decane, 2,3,5-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	15.42 ng	675912	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
2	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	90
3	Nonadecane	268	C19H40	000629-92-5	86
4	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	78
5	Heneicosane	296	C21H44	000629-94-7	78





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

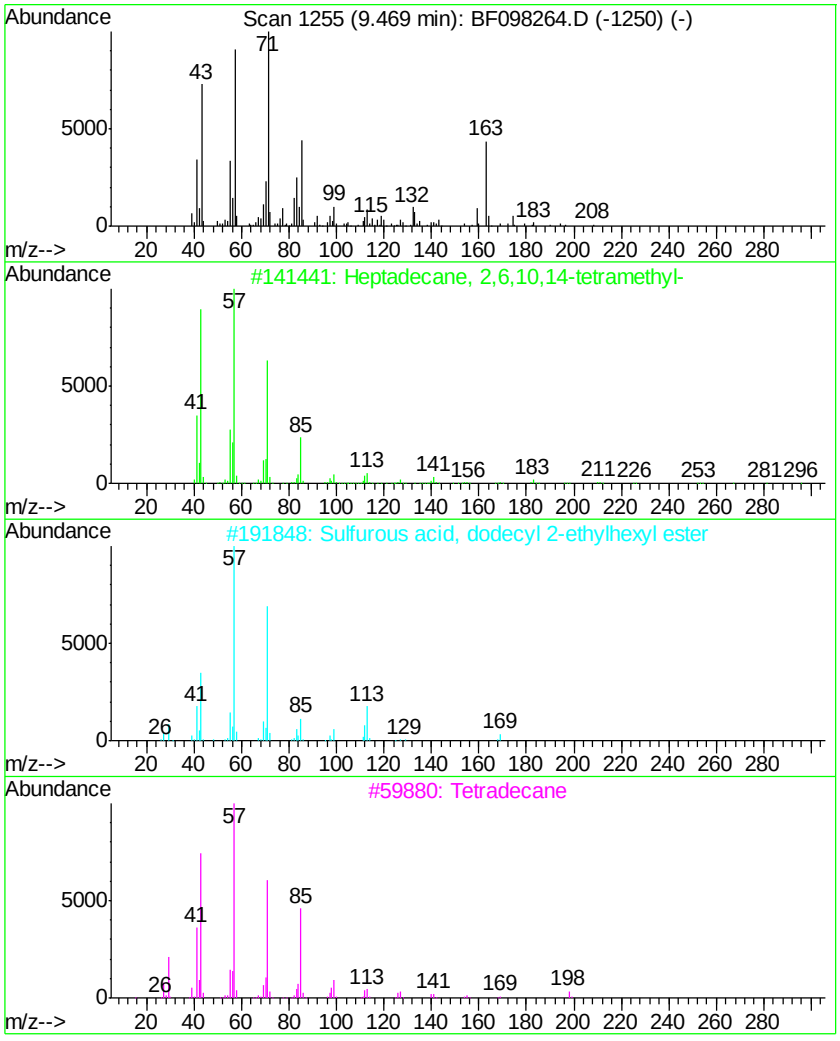
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

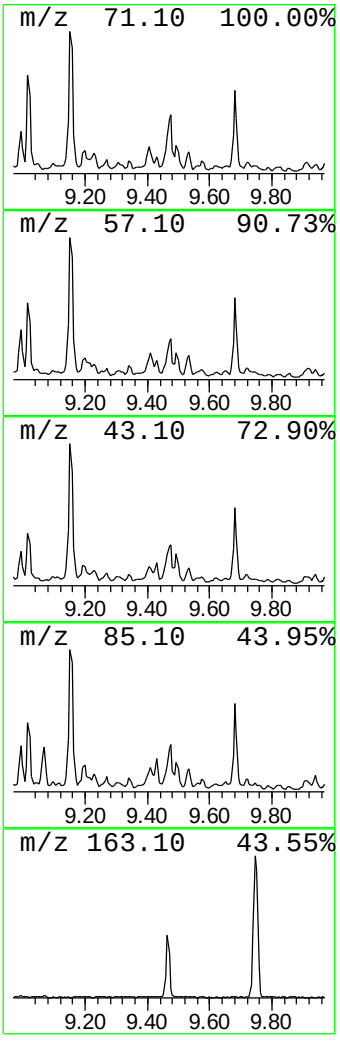
****

Peak Number 16 unknown9.47 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	9.32 ng	408668	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	47
2	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	43
3	Tetradecane	198	C14H30	000629-59-4	38
4	1-Decene, 4-methyl-	154	C11H22	013151-29-6	38
5	Methoxyacetic acid, 2-octyl ester	202	C11H22O3	1000282-69-6	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

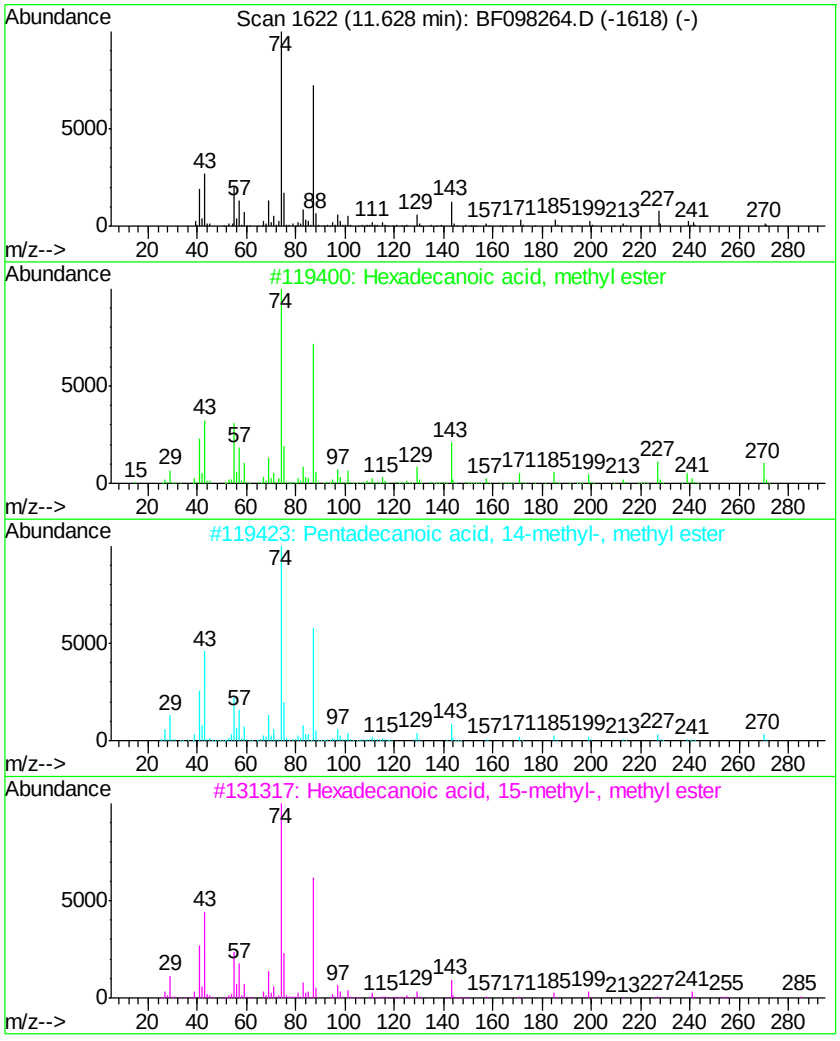
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

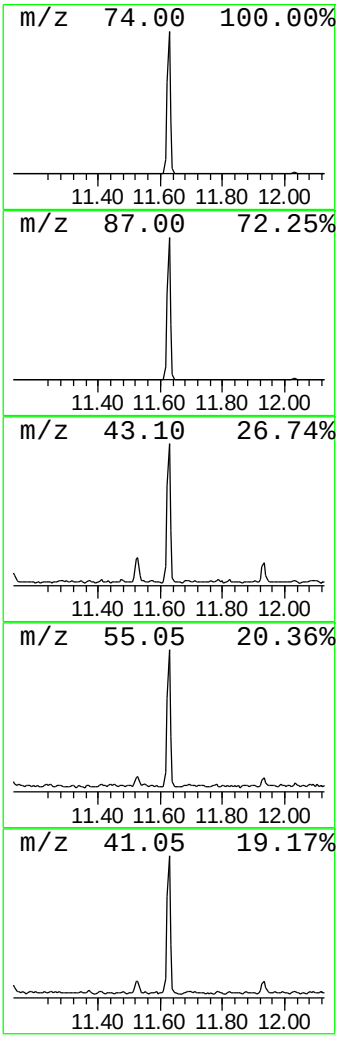
****

Peak Number 18 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	14.46 ng	538984	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	91
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
5	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

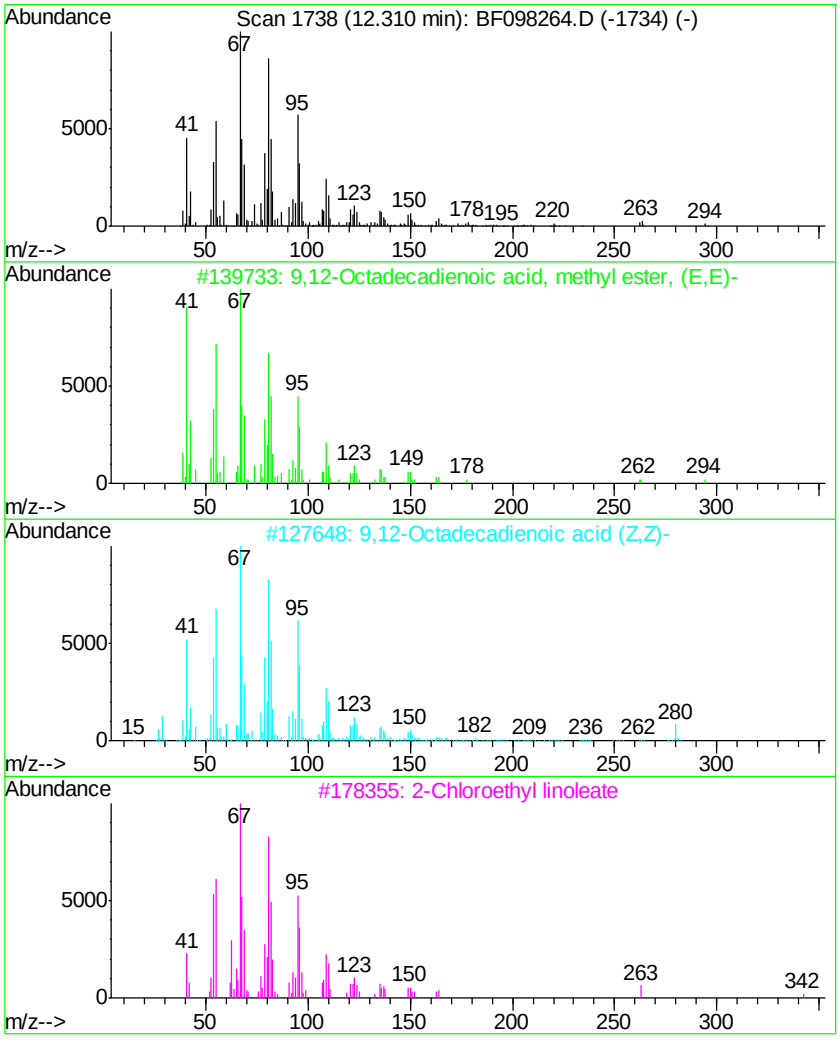
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

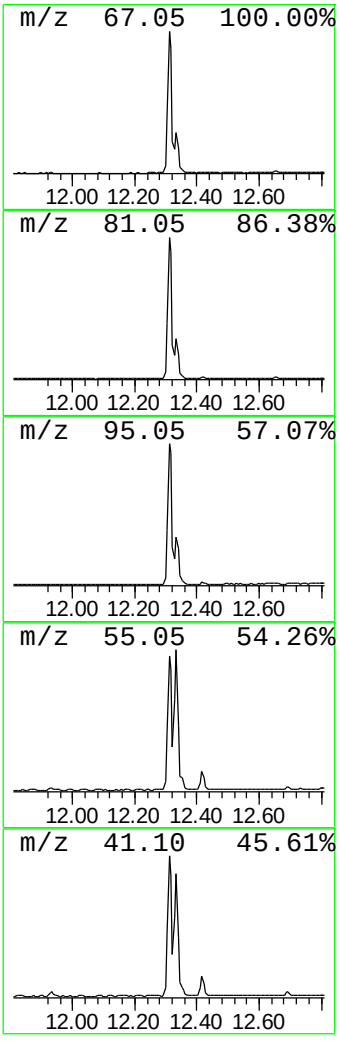
****

Peak Number 19 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	49.47 ng	1843940	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	98
2	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	95
3	2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	91
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	90
5	7-Hexadecyne	222	C16H30	074685-28-2	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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

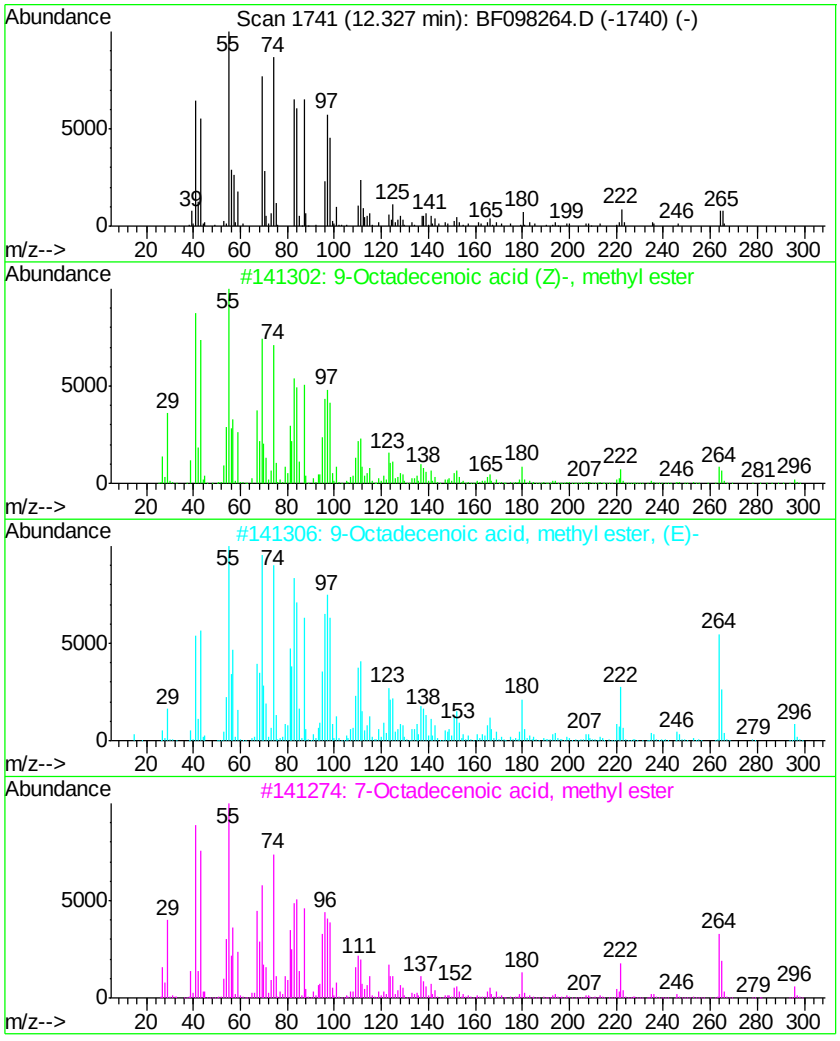
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

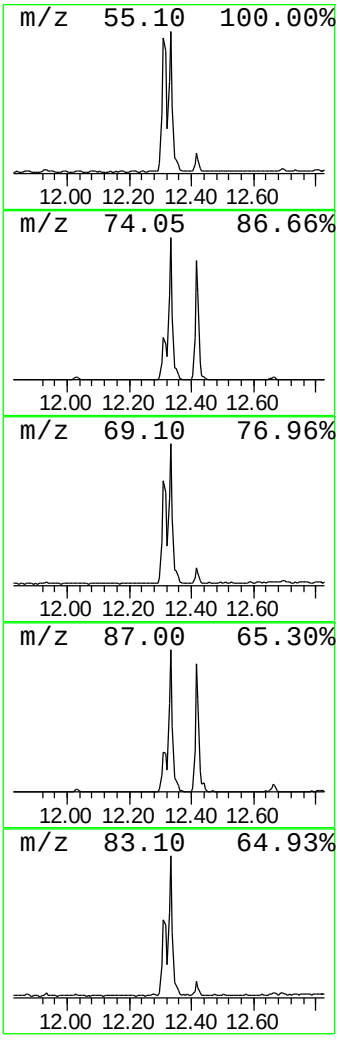
****

Peak Number 20 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	36.17 ng	1348200	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	94
2	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	86
3	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	86
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	76
5	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090217\
Data File : BF098264.D
Acq On : 2 Sep 2017 23:48
Operator : SJ/JU
Sample : I5068-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-083117

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
Benzene, 1-ethyl-...	6.23	5.3	ng	247599	1	6.71	937188	20.0
unknown6.47	6.47	13.4	ng	625586	1	6.71	937188	20.0
Decane	6.55	18.7	ng	875745	1	6.71	937188	20.0
unknown6.99	6.99	6.9	ng	324434	1	6.71	937188	20.0
Benzene, 2-ethyl-...	7.03	7.2	ng	338496	1	6.71	937188	20.0
Hexadecane	7.05	5.4	ng	254295	1	6.71	937188	20.0
Benzene, 1-methyl...	7.10	8.8	ng	414037	1	6.71	937188	20.0
trans-Decalin, 2-...	7.52	5.2	ng	438751	2	7.99	1705060	20.0
Cyclohexane, pentyl-	7.62	5.0	ng	425797	2	7.99	1705060	20.0
Cyclohexane, (4-m...	8.29	6.1	ng	518119	2	7.99	1705060	20.0
Dodecane, 2,7,10-...	8.42	5.8	ng	495040	2	7.99	1705060	20.0
Nonane, 5-butyl-	8.59	9.7	ng	827300	2	7.99	1705060	20.0
Decane, 3,7-dimet...	9.02	7.8	ng	341987	3	9.75	876825	20.0
Decane, 2,3,5-tri...	9.15	15.4	ng	675912	3	9.75	876825	20.0
unknown9.47	9.47	9.3	ng	408668	3	9.75	876825	20.0
Hexadecanoic acid...	11.63	14.5	ng	538984	4	11.23	745457	20.0
9,12-Octadecadien...	12.31	49.5	ng	1843940	4	11.23	745457	20.0
9-Octadecenoic ac...	12.33	36.2	ng	1348200	4	11.23	745457	20.0