LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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	4.839	462	468	471	rBV2	96428	121374	7.48%	0.507%
2	4.904	476	479	484	rVB2	79842	81610	5.03%	0.341%
3	5.116	511	515	518	rBV	140614	143433	8.84%	0.599%
4	5.334	547	552	558	rVV	99758	121296	7.48%	0.507%
5	5.487	574	578	582	rBV	59020	67842	4.18%	0.283%
6	5.528	582	585	588	rVB	155485	136796	8.43%	0.571%
7	5.569	588	592	595	rBV	86477	98005	6.04%	0.409%
8	5.734	614	620	625	rBV2	136843	208819	12.88%	0.872%
9	5.798	625	631	639	rBV3	92681	207257	12.78%	0.866%
10	5.875	639	644	648	rVB	235083	238597	14.71%	0.996%
11	5.928	648	653	658	rBV2	97800	149984	9.25%	0.626%
12	5.975	658	661	667	rVB3	199628	248218	15.31%	1.037%
13	6.028	667	670	673	rBV2	101783	113696	7.01%	0.475%
14	6.057	673	675	679	rVV4	50135	66257	4.09%	0.277%
15	6.169	688	694	697	rBV2	243956	309808	19.10%	1.294%
16	6.257	706	709	711	rBV	85633	101601	6.26%	0.424%
17	6.286	711	714	718	rVB2	108558	122102	7.53%	0.510%
18	6.369	722	728	731	rBV3	123096	192465	11.87%	0.804%
19	6.469	741	745	747	rBV	212978	206485	12.73%	0.862%
20	6.492	747	749	754	rVB3	195538	235501	14.52%	0.984%
21	6.663	775	778	782	rVV3	79725	128590	7.93%	0.537%
22	6.722	785	788	791	rVV	1218787	1060141	65.37%	4.427%
23	6.745	791	792	796	rVV	273883	203582	12.55%	0.850%
24	6.792	796	800	803	rVB2	134402	157265	9.70%	0.657%
25	6.851	807	810	812	rVV	174287	161491	9.96%	0.674%
26	6.875	812	814	819	rVV	431941	449170	27.70%	1.876%
27	6.939	823	825	827	rBV	70531	74202	4.58%	0.310%
28	6.963	827	829	831	rVV2	103629	92410	5.70%	0.386%
29	6.998	831	835	841	rVB5	74246	112884	6.96%	0.471%
30	7.086	845	850	853	rBV2	90094	110470	6.81%	0.461%
31	7.122	853	856	858	rBV	132109	106566	6.57%	0.445%
32	7.269	874	881	886	rBV3	243912	379135	23.38%	1.583%
33	7.310	886	888	890	rVV	190684	152443	9.40%	0.637%
34	7.333	890	892	894	rVV2	66039	68949	4.25%	0.288%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.363	894	897	898	rVV3	99810	106146	6.54%	0.443%
36	7.380	898	900	903	rVB2	133148	128583	7.93%	0.537%
37	7.439	903	910	915	rBV2	101582	227539	14.03%	0.950%
38	7.498	915	920	921	rVV3	65661	102360	6.31%	0.427%
39	7.516	921	923	924	rVV	152491	125527	7.74%	0.524%
40	7.533	924	926	930	rVB	199713	180666	11.14%	0.755%
41	7.633	937	943	945	rVV2	285457	368556	22.73%	1.539%
42	7.663	945	948	950	rVB2	124684	134604	8.30%	0.562%
43	7.775	962	967	969	rBV3	94891	115592	7.13%	0.483%
44	7.833	973	977	981	rBV2	102022	133073	8.21%	0.556%
45	7.880	981	985	987	rBV2	56226	66151	4.08%	0.276%
46	7.969	994	1000	1002	rVV2	189116	258027	15.91%	1.078%
47	8.004	1002	1006	1011	rVV	1611670	1621792	100.00%	6.773%
48	8.063	1014	1016	1017	rVV2	150953	152401	9.40%	0.636%
49	8.080	1017	1019	1021	rVV	473115	376876	23.24%	1.574%
50	8.104	1021	1023	1027	rVV3	159494	249127	15.36%	1.040%
51	8.169	1031	1034	1037	rBV	93426	131192	8.09%	0.548%
52	8.216	1040	1042	1045	rVV3	83224	120563	7.43%	0.504%
53	8.245	1045	1047	1050	rVV4	104859	104451	6.44%	0.436%
54	8.304	1050	1057	1060	rVV3	323810	441835	27.24%	1.845%
55	8.333	1060	1062	1065	rVV2	105980	125868	7.76%	0.526%
56	8.363	1065	1067	1070	rVV4	90078	95199	5.87%	0.398%
57	8.404	1070	1074	1076	rVV3	104175	123564	7.62%	0.516%
58	8.439	1077	1080	1084	rVV	618287	632535	39.00%	2.642%
59	8.475	1084	1086	1089	rVB2	126842	127396	7.86%	0.532%
60	8.604	1105	1108	1110	rBV	161710	167995	10.36%	0.702%
61	8.645	1113	1115	1117	rVV2	121012	128775	7.94%	0.538%
62	8.669	1117	1119	1122	rVV2	139957	162228	10.00%	0.678%
63	8.704	1122	1125	1128	rVB2	260262	307697	18.97%	1.285%
64	8.751	1128	1133	1134	rBV4	73894	125749	7.75%	0.525%
65	8.804	1139	1142	1143	rVV3	74592	81128	5.00%	0.339%
66	8.822	1143	1145	1150	rVB4	108031	120296	7.42%	0.502%
67	8.869	1150	1153	1155	rBV	92642	74780	4.61%	0.312%
68	8.892	1155	1157	1159	rVV2	68979	68737	4.24%	0.287%
69	8.922	1159	1162	1165	rVB	305521	253587	15.64%	1.059%
70	8.980	1169	1172	1176	rVV3	78736	81456	5.02%	0.340%
71	9.039	1179	1182	1184	rVV	505069	437367	26.97%	1.827%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.080	1186	1189	1194	rVB	225638	217035	13.38%	0.906%
73	9.186	1204	1207	1209	rVV2	135354	143098	8.82%	0.598%
74	9.210	1209	1211	1213	rVV2	72324	71759	4.42%	0.300%
75	9.233	1213	1215	1220	rVB4	122095	174543	10.76%	0.729%
76	9.286	1220	1224	1227	rVB3	95633	125081	7.71%	0.522%
77	9.333	1227	1232	1234	rBV3	97113	132791	8.19%	0.555%
78	9.363	1234	1237	1239	rVB	109974	94065	5.80%	0.393%
79	9.410	1239	1245	1249	rBV5	76831	152530	9.41%	0.637%
80	9.492	1254	1259	1261	rBV	693685	611210	37.69%	2.553%
81	9.516	1261	1263	1266	rVB2	94431	93274	5.75%	0.390%
82	9.669	1287	1289	1292	rBV2	77853	73815	4.55%	0.308%
83	9.757	1299	1304	1307	rBV	1725010	1543622	95.18%	6.447%
84	9.874	1321	1324	1327	rVB	73285	69964	4.31%	0.292%
85	9.922	1329	1332	1336	rBV3	70244	97953	6.04%	0.409%
86	9.957	1336	1338	1344	rVV3	89453	108239	6.67%	0.452%
87	10.022	1347	1349	1352	rVB	165187	142558	8.79%	0.595%
88	10.251	1386	1388	1393	rVB2	64445	71275	4.39%	0.298%
89	10.316	1393	1399	1403	rBV3	85066	153643	9.47%	0.642%
90	10.416	1413	1416	1419	rVB	315816	288215	17.77%	1.204%
91	10.545	1433	1438	1441	rBV4	82309	108039	6.66%	0.451%
92	10.680	1457	1461	1469	rVB	464325	525631	32.41%	2.195%
93	11.145	1537	1540	1543	rVB	339206	335600	20.69%	1.402%
94	11.239	1552	1556	1559	rBV	1371650	1315997	81.14%	5.496%
95	11.492	1596	1599	1603	rBV	166598	187169	11.54%	0.782%
96	11.980	1680	1682	1685	rBV	171220	175091	10.80%	0.731%
97	12.445	1758	1761	1764	rBV2	160134	199798	12.32%	0.834%
98	12.815	1822	1824	1827	rBV	264090	241318	14.88%	1.008%
99	13.868	2000	2003	2006	rBV	1129982	1129151	69.62%	4.716%
100	15.286	2241	2244	2248	rVB	592097	674609	41.60%	2.817%

Sum of corrected areas: 23944935

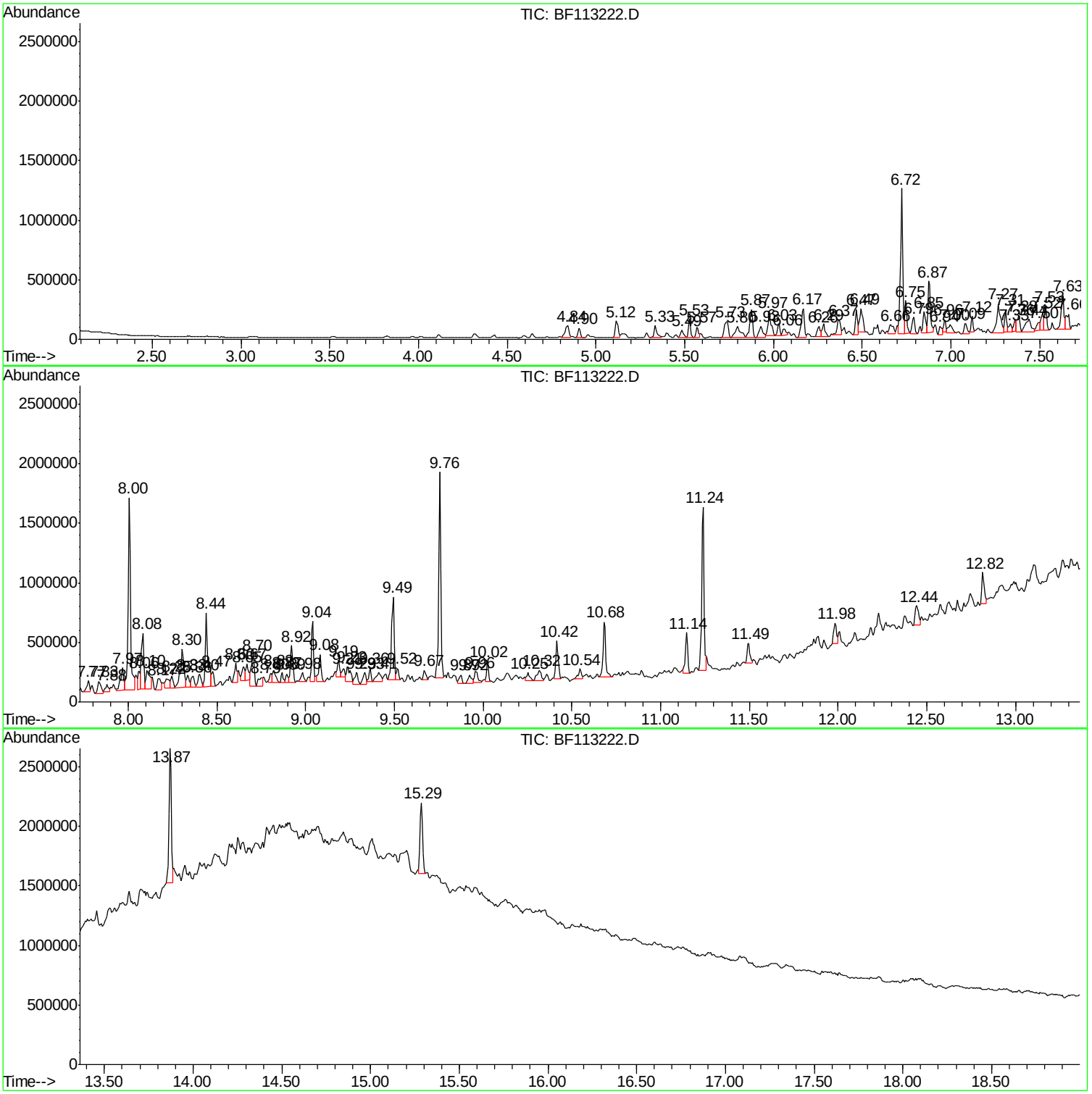
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

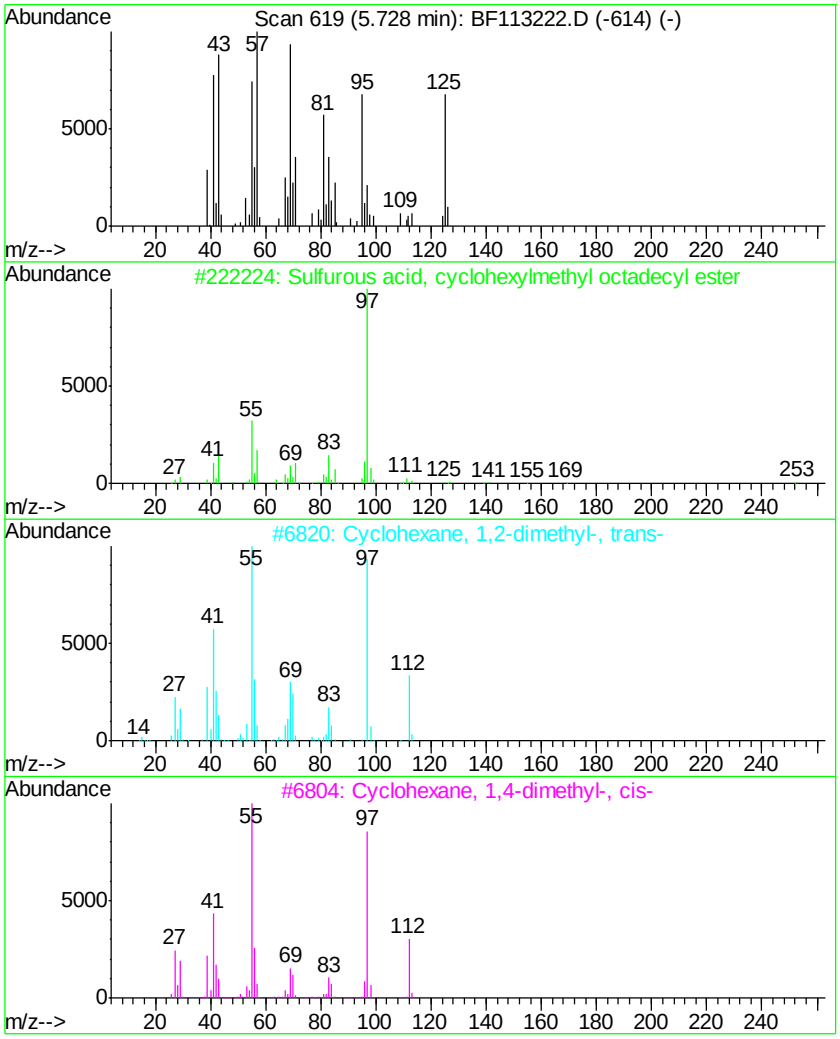
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

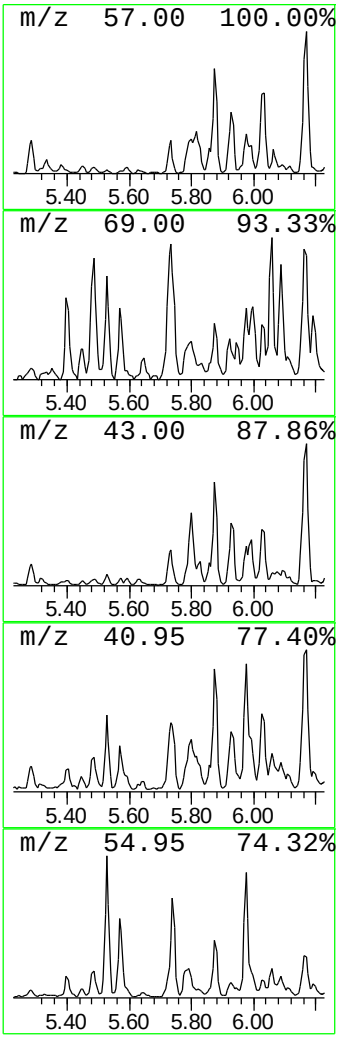
****

Peak Number 1 unknown5.73 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	3.94 ng	208819	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	49
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	41
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	38
4	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	38
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

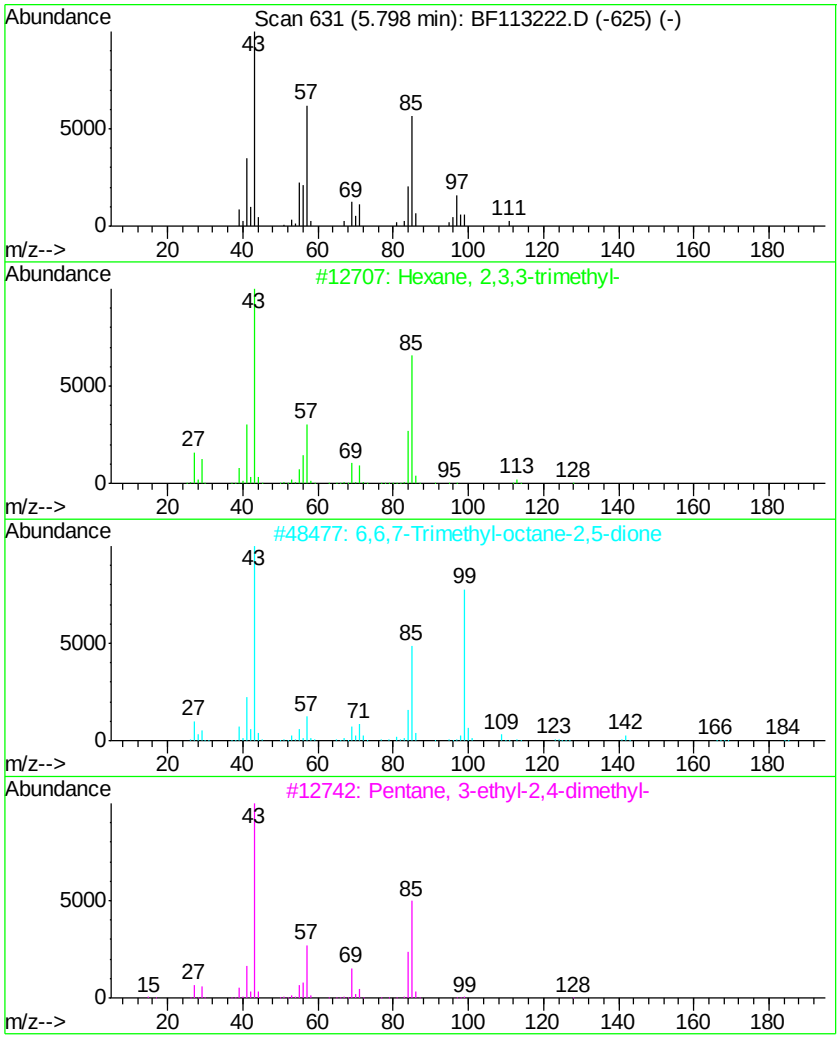
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

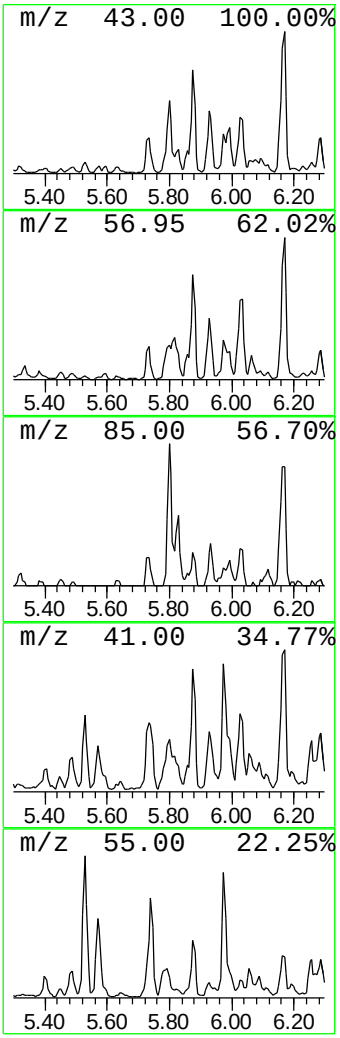
****

Peak Number 2 Hexane, 2,3,3-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.80	3.91 ng	207257	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	59
2	6,6,7-Trimethyl-octane-2,5-dione	184	C11H20O2	1000187-31-5	53
3	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	47
4	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	43
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

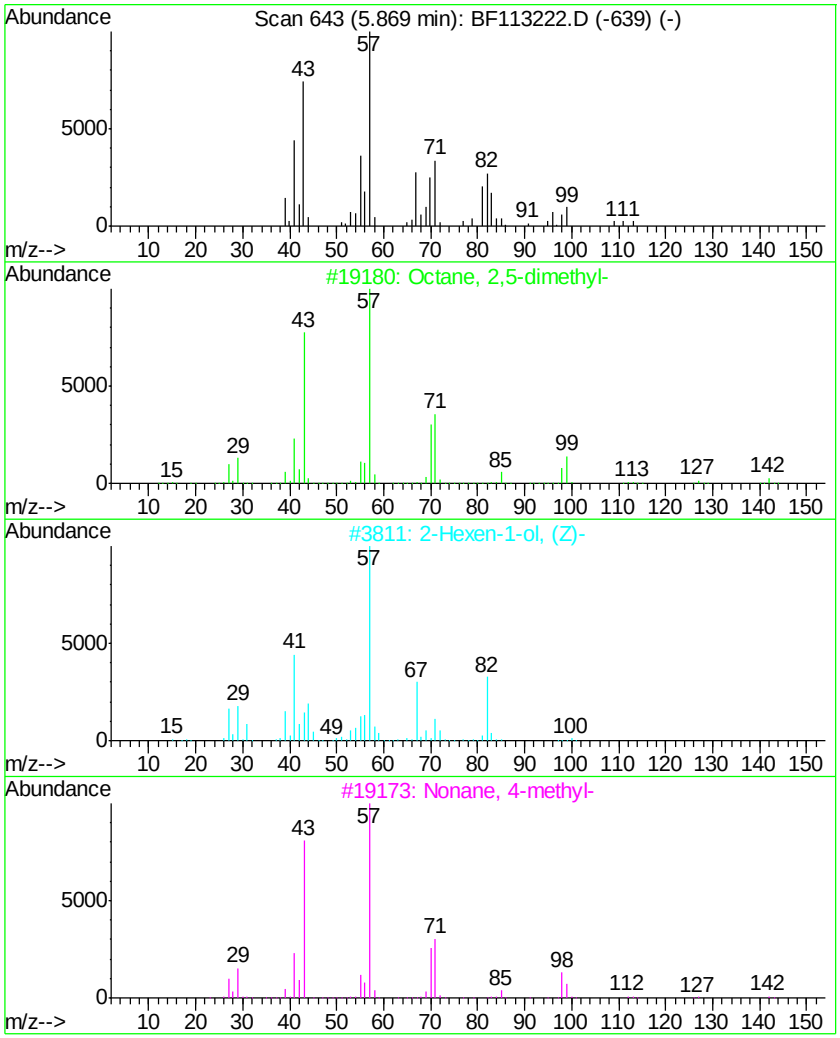
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

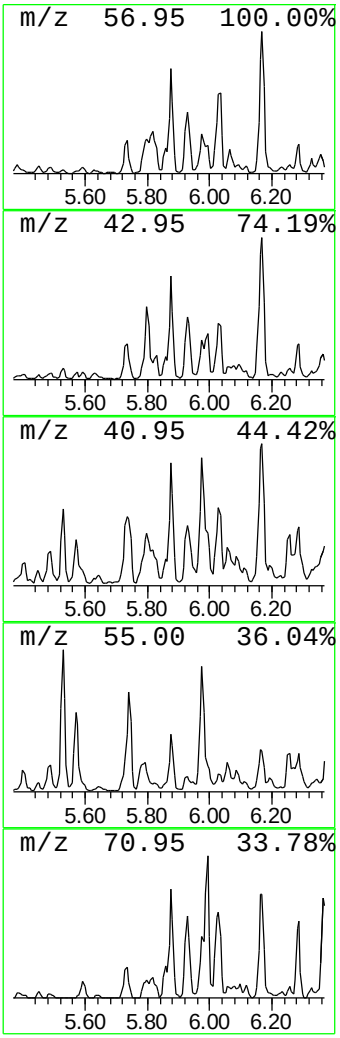
****

Peak Number 3 unknown5.87 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.87	4.50 ng	238597	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	46
2	2-Hexen-1-ol, (Z)-	100	C6H12O	000928-94-9	43
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	38
4	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	35
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

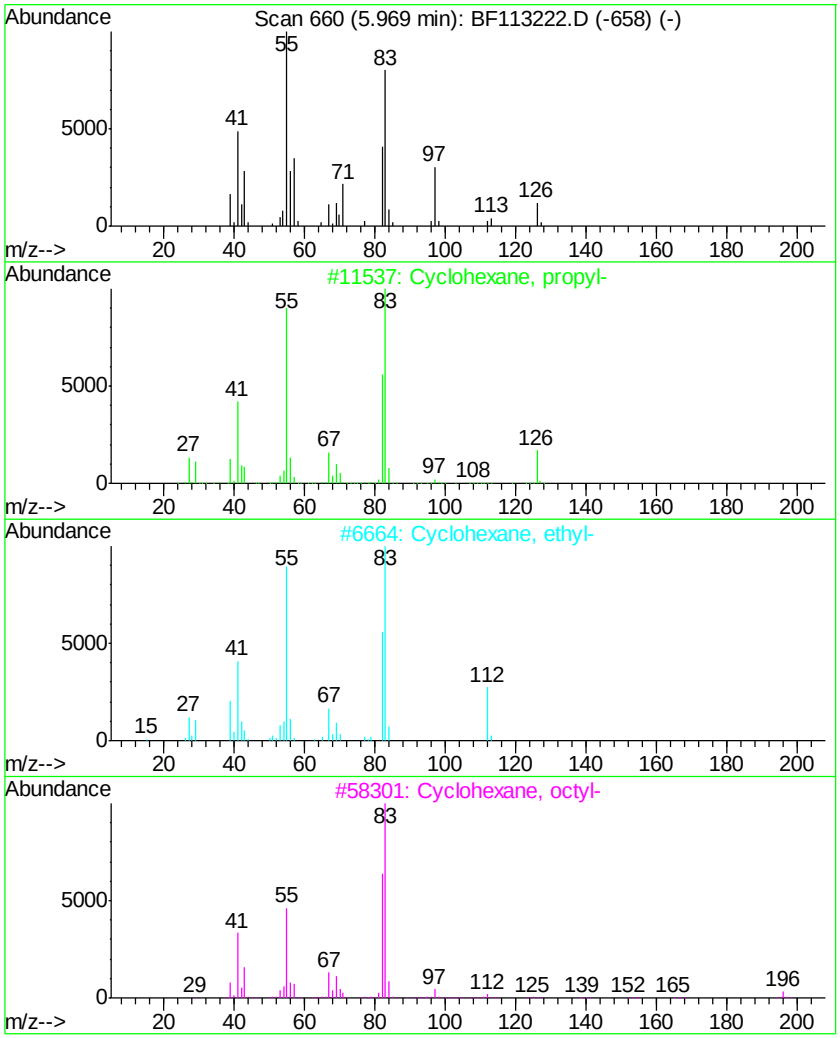
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

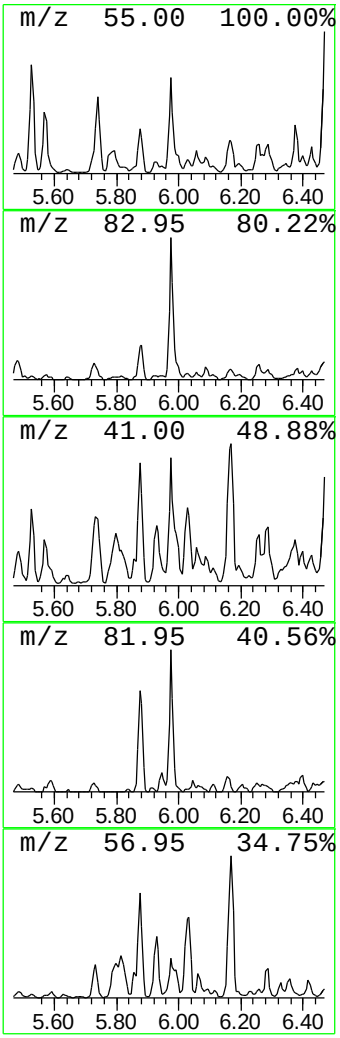
****

Peak Number 4 Cyclohexane, propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	4.68 ng	248218	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	76
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	59
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	50
4	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	47
5	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

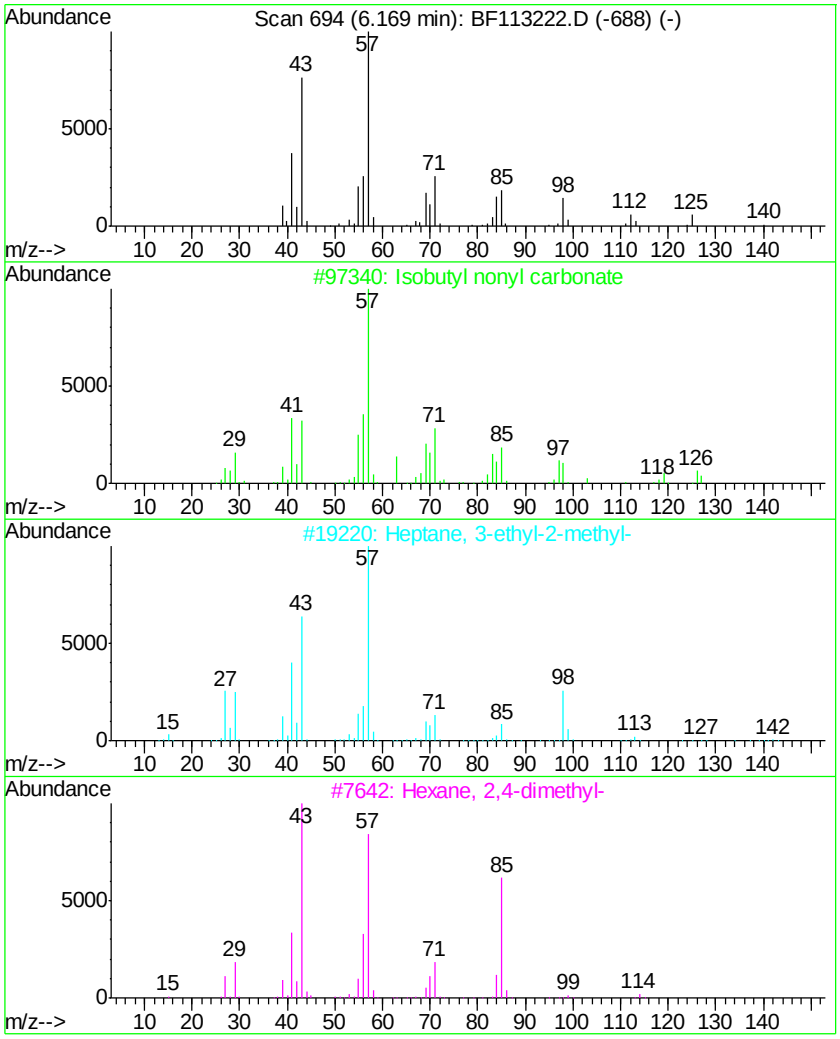
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

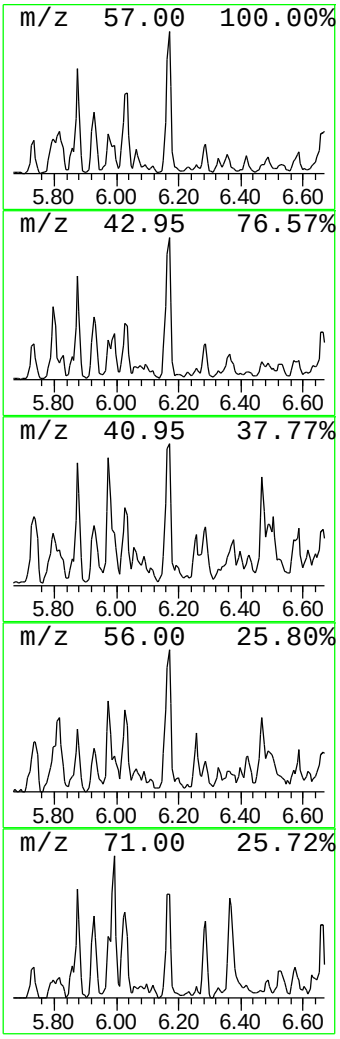
****

Peak Number 5 Isobutyl nonyl carbonate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	5.84 ng	309808	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	72
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	50
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

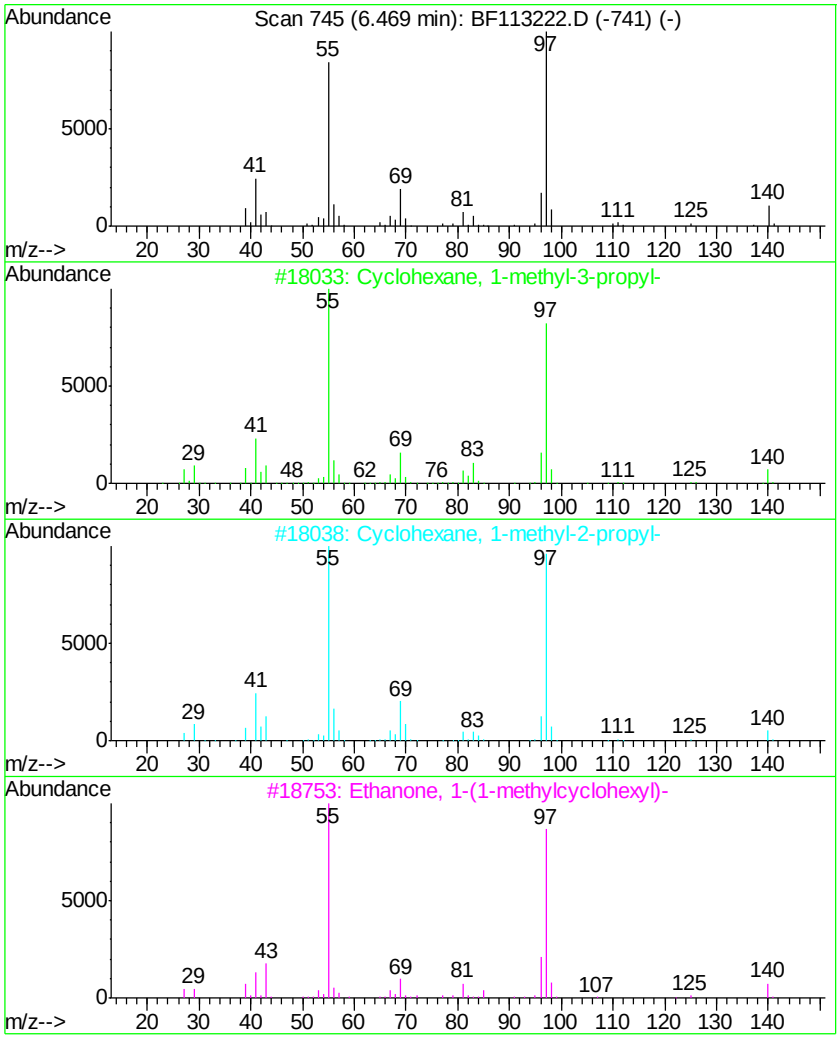
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

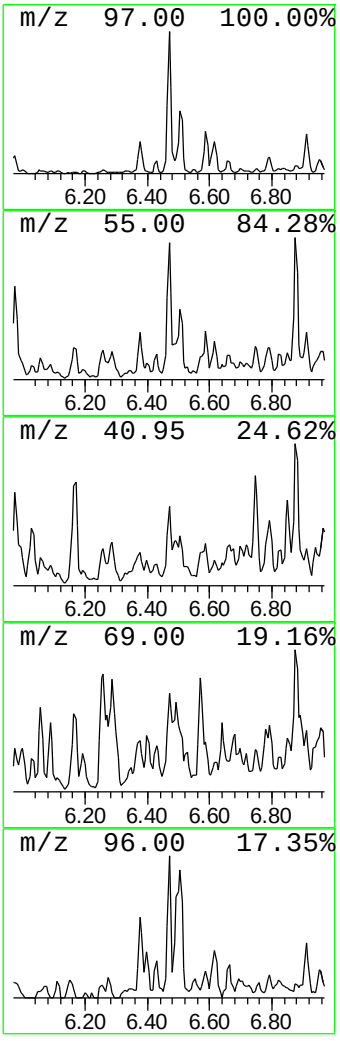
****

Peak Number 6 Cyclohexane, 1-methyl-3-pro... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	3.90 ng	206485	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	90
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	87
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	87
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	80
5	Semustine	247	C10H18ClN3O2	013909-09-6	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

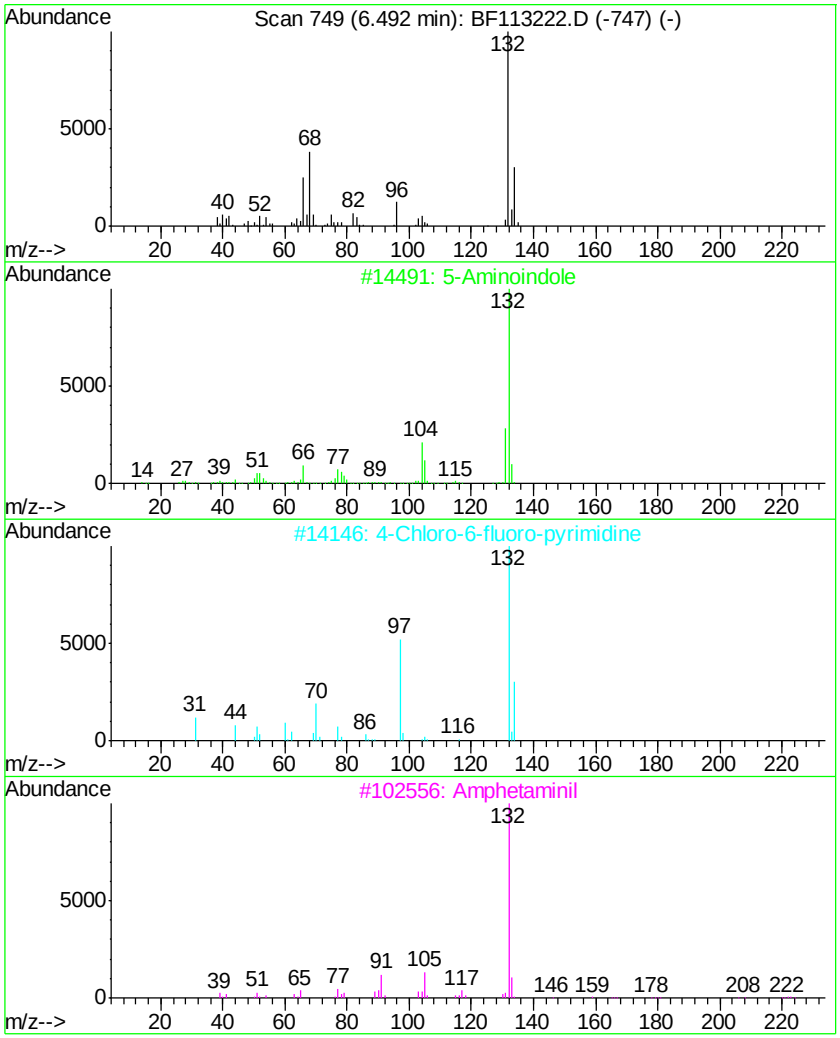
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

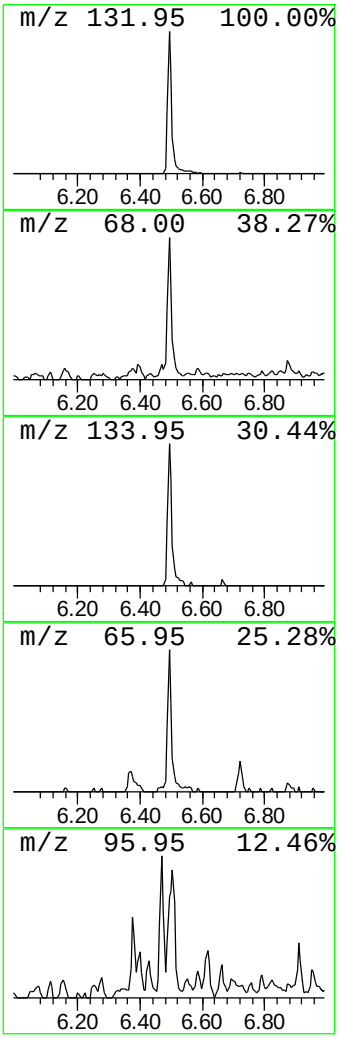
****

Peak Number 7 unknown6.49 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	4.44 ng	235501	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	12
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	12
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

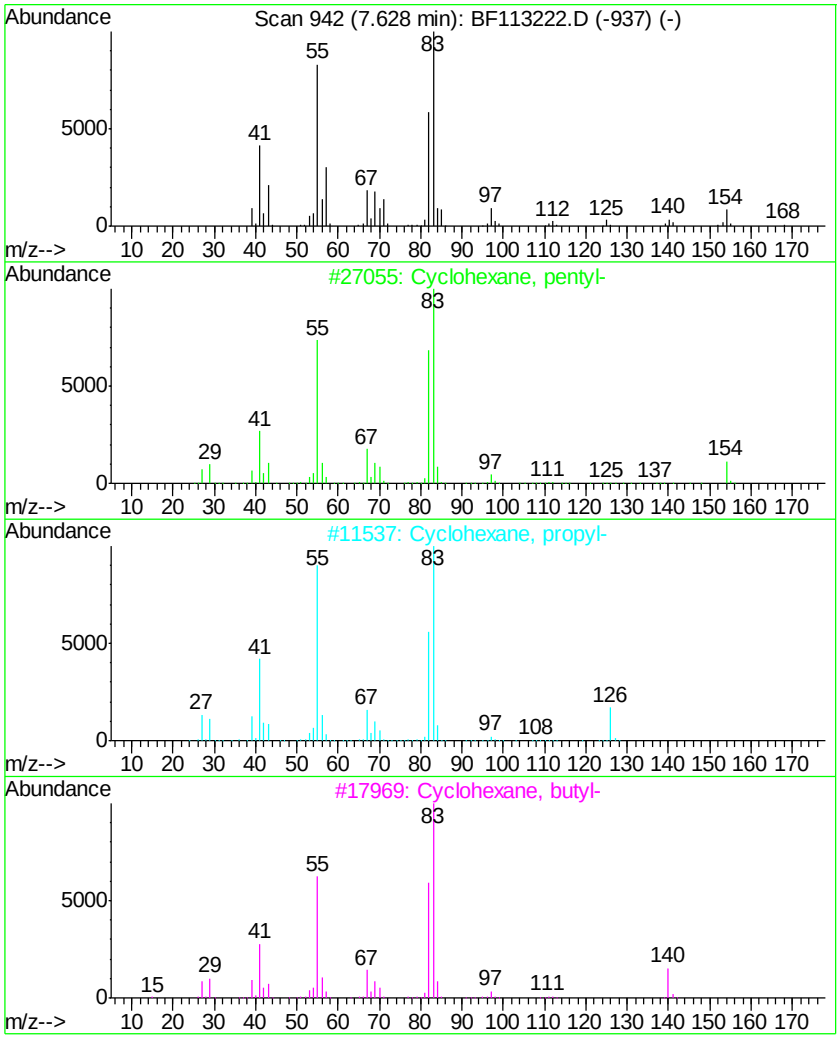
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

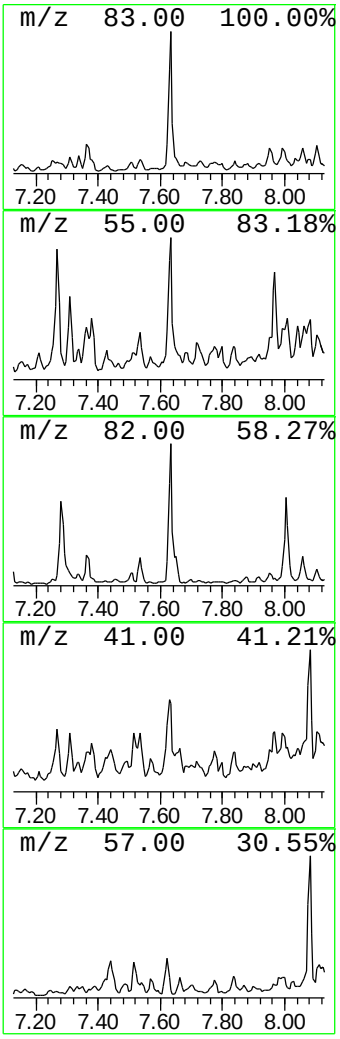
****

Peak Number 9 Cyclohexane, pentyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	4.55 ng	368556	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	95
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	86
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	86
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

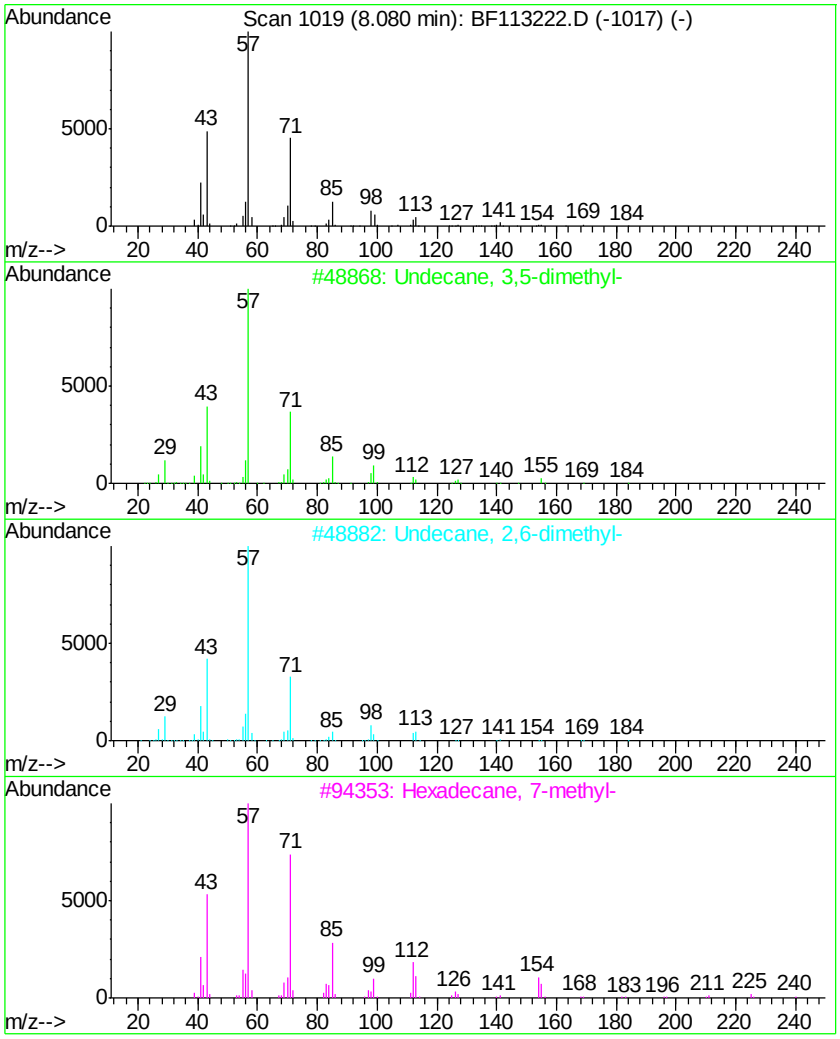
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

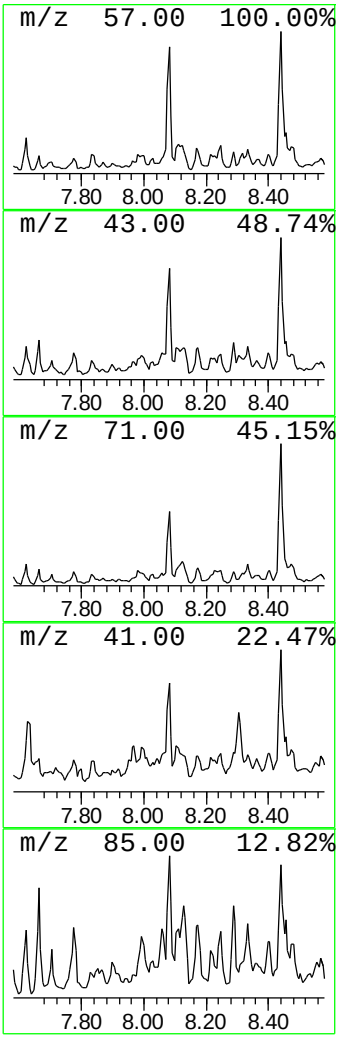
****

Peak Number 10 Undecane, 3,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	4.65 ng	376876	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	80
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	76
3	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	72
4	Undecane, 6-ethyl-	184	C13H28	017312-60-6	72
5	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

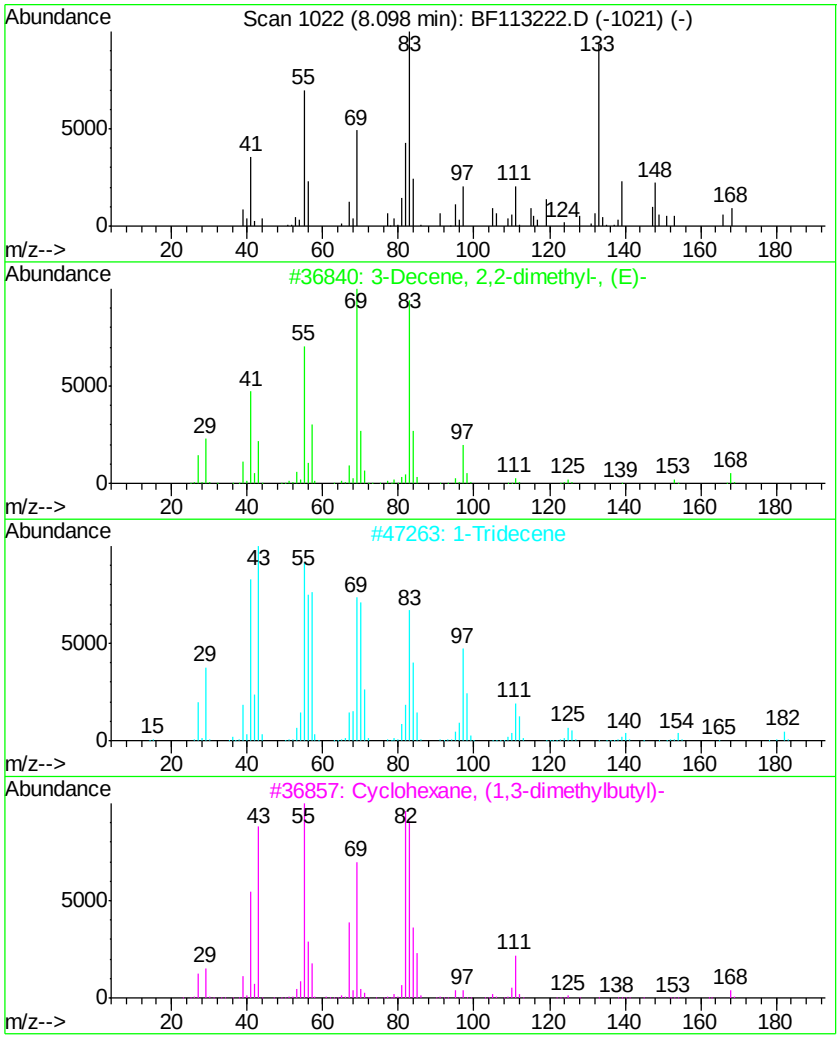
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

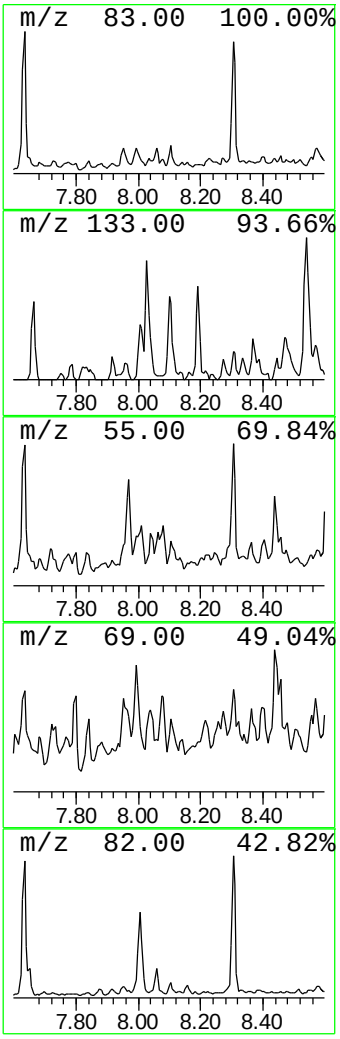
****

Peak Number 11 unknown8.10 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	3.07 ng	249127	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055499-02-0	43
2	1-Tridecene	182	C13H26	002437-56-1	43
3	Cyclohexane, (1,3-dimethylbutyl)-	168	C12H24	061142-19-6	43
4	Cyclododecane	168	C12H24	000294-62-2	43
5	1-Dodecanol	186	C12H26O	000112-53-8	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

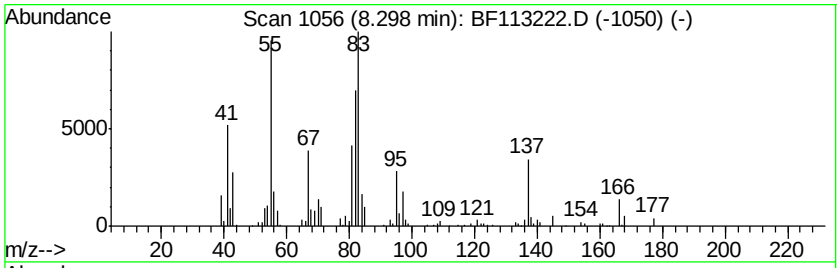
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

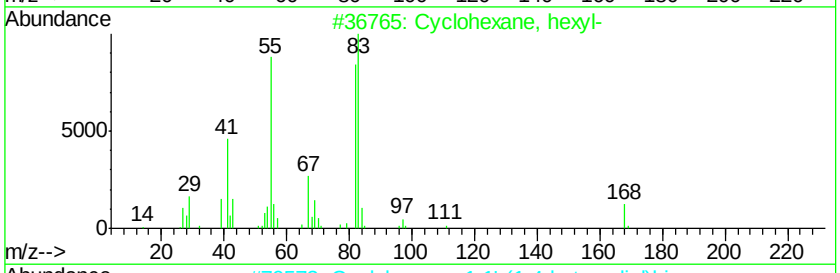
****

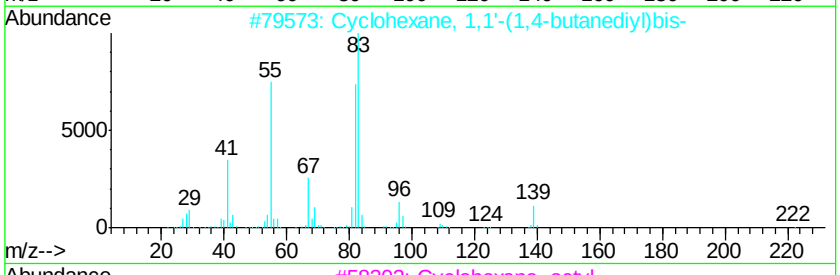
Peak Number 12 Cyclohexane, hexyl- Concentration Rank 7

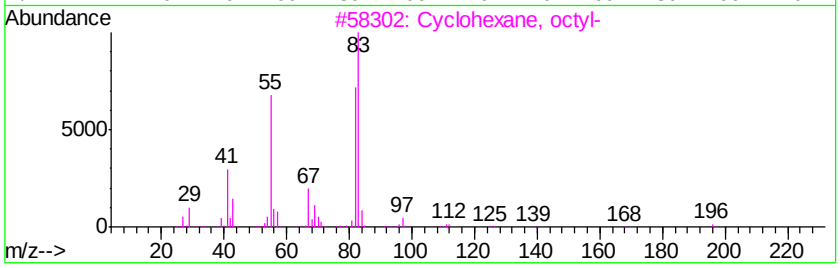
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	5.45 ng	441835	Naphthalene-d8	8.00

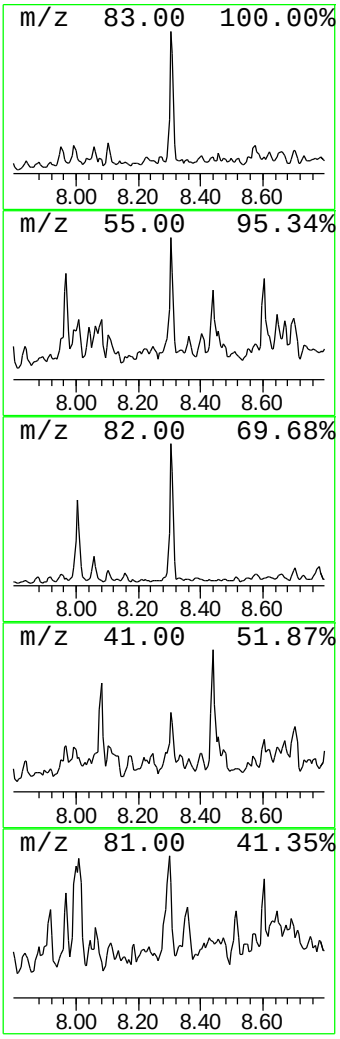
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	90
2	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	86
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	86
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	72
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	72











Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

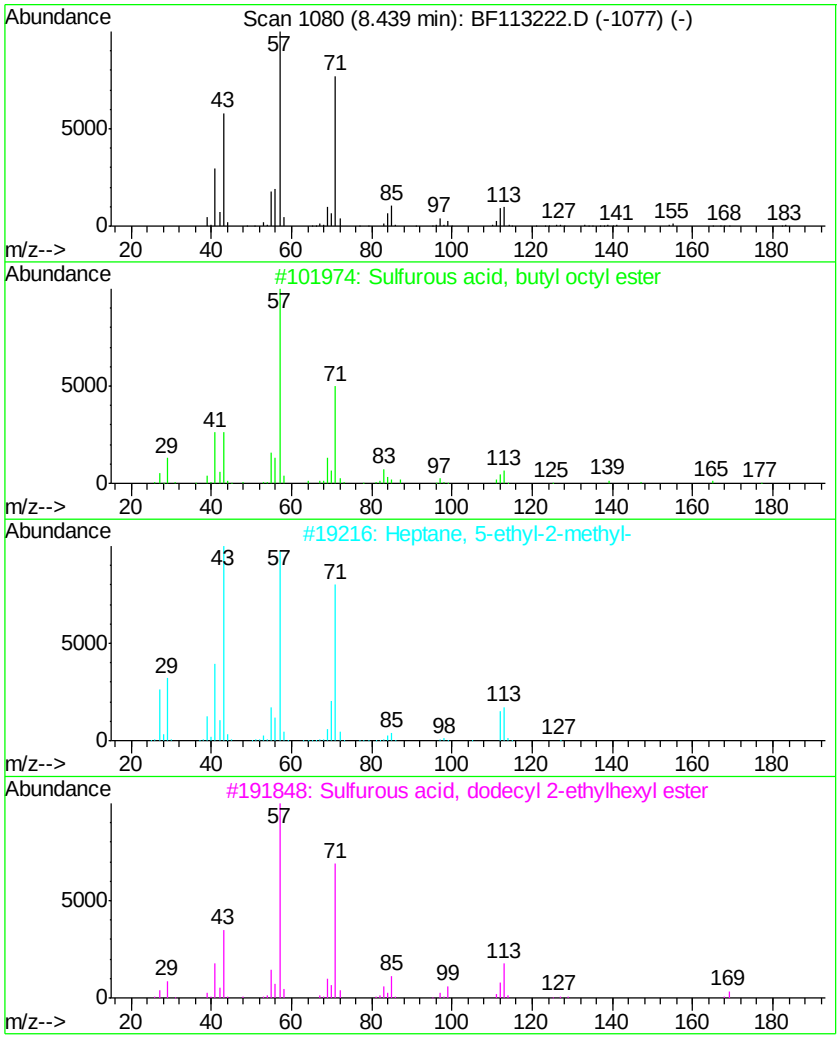
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

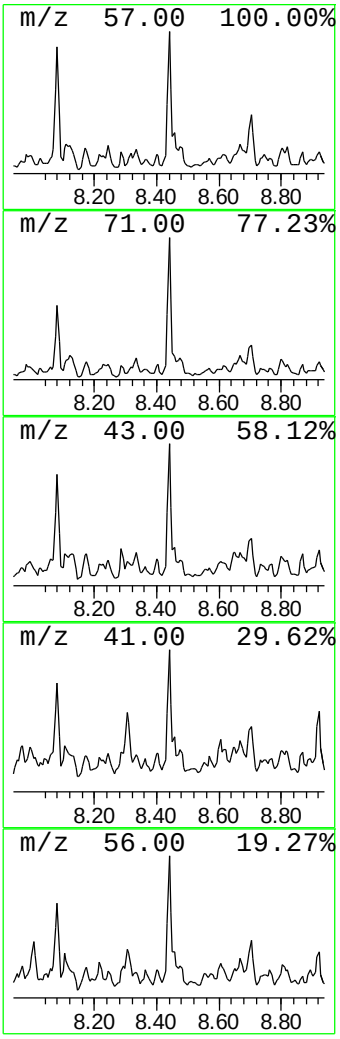
****

Peak Number 13 Sulfurous acid, butyl octyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	7.80 ng	632535	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	72
2	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	72
3	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
4	Oxalic acid, butyl 2-ethylhexyl ...	258	C14H26O4	1000309-38-6	72
5	2-Ethylhexyl mercaptoacetate	204	C10H20O2S	007659-86-1	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

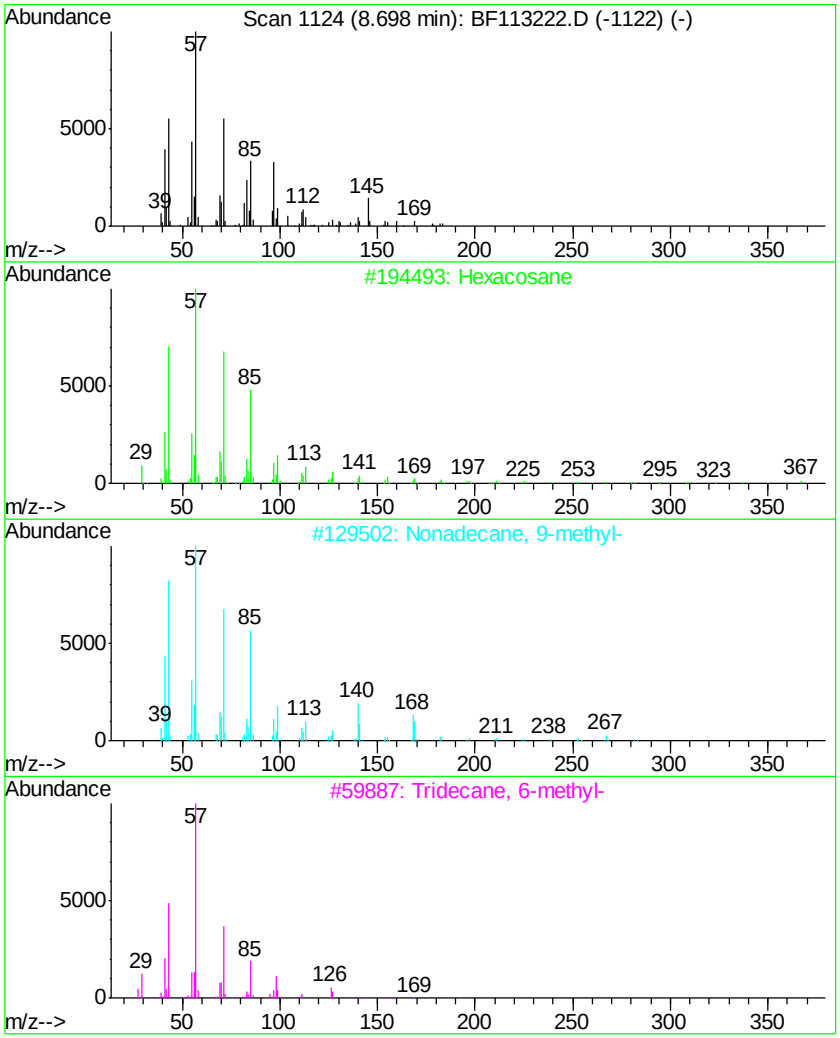
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

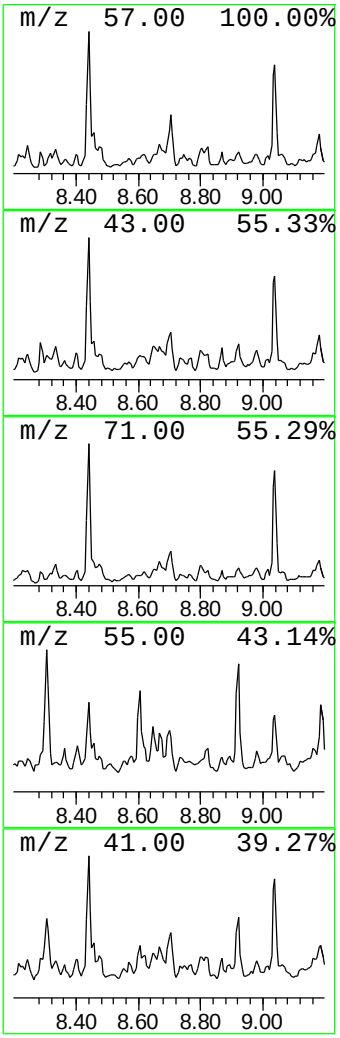
****

Peak Number 14 Hexacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	3.79 ng	307697	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	59
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	59
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	58
4	Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	53
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

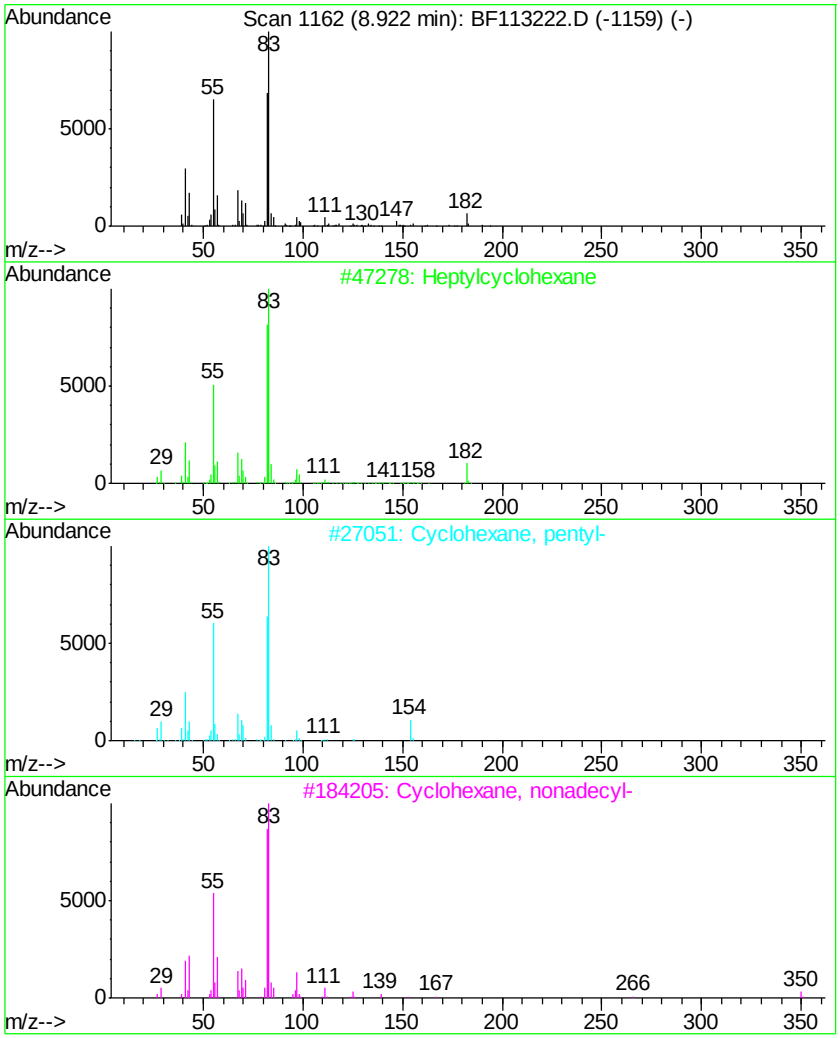
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

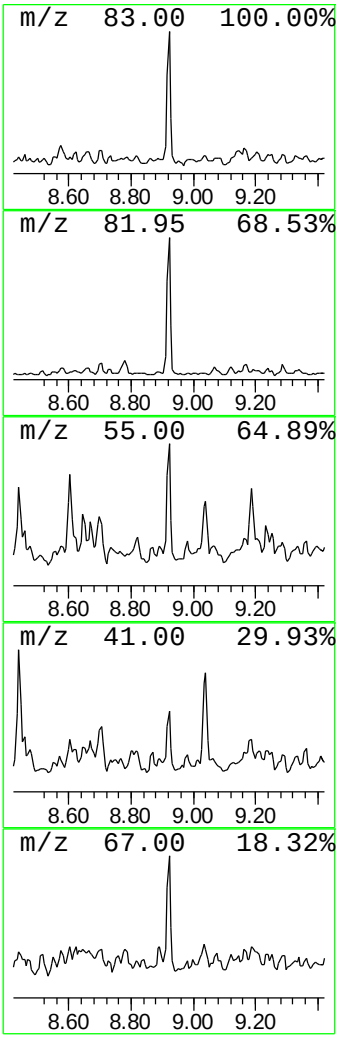
****

Peak Number 15 Heptylcyclohexane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	3.29 ng	253587	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	90
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
3	Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	83
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

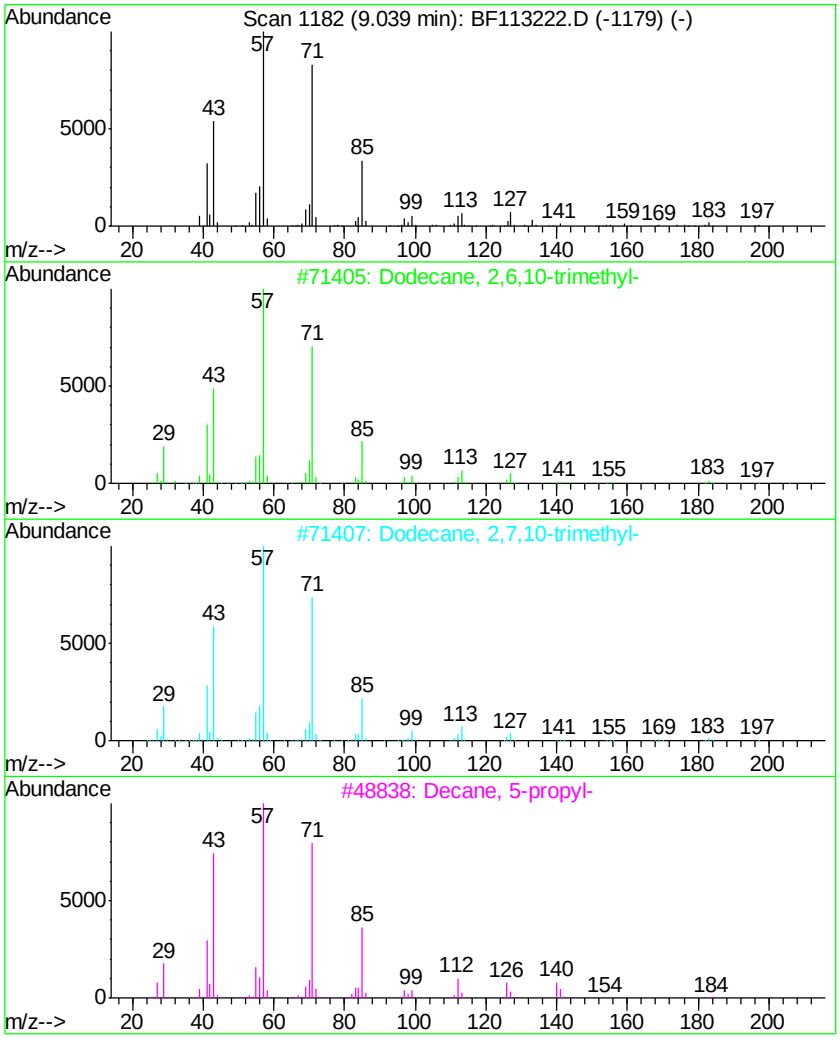
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

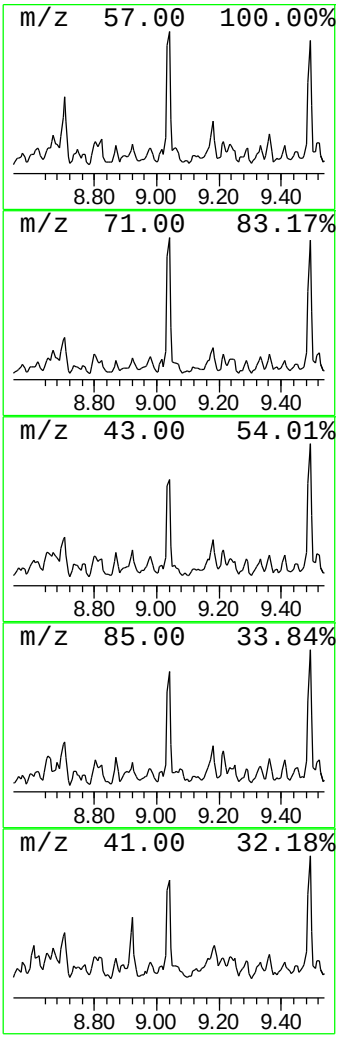
****

Peak Number 16 Dodecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	5.67 ng	437367	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Decane, 5-propyl-	184	C13H28	017312-62-8	83
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	72
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

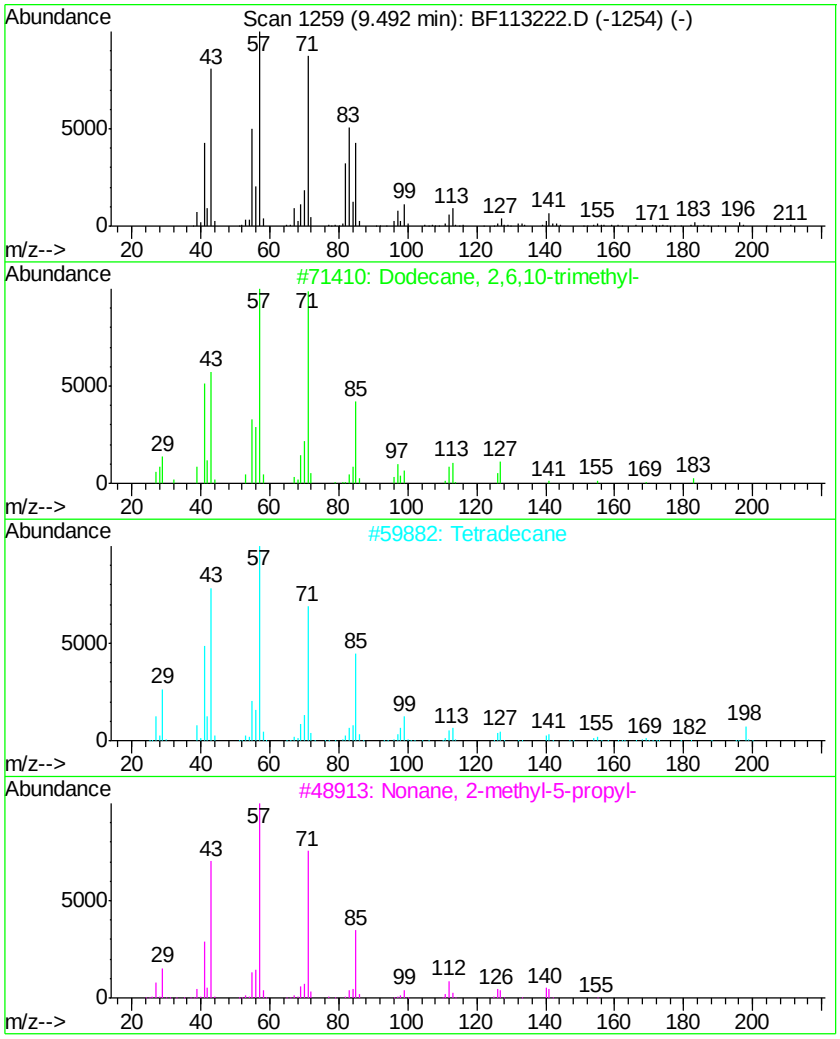
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

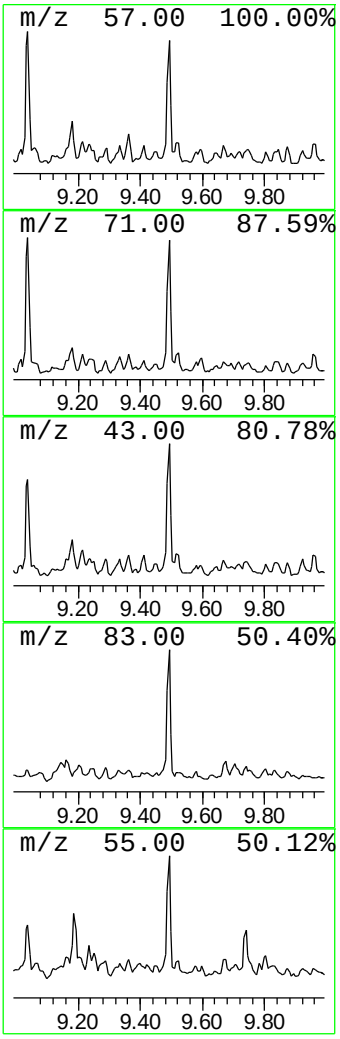
****

Peak Number 17 Nonane, 2-methyl-5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	7.92 ng	611210	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	62
2	Tetradecane	198	C14H30	000629-59-4	59
3	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	53
4	Heptacosane	380	C27H56	000593-49-7	52
5	Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

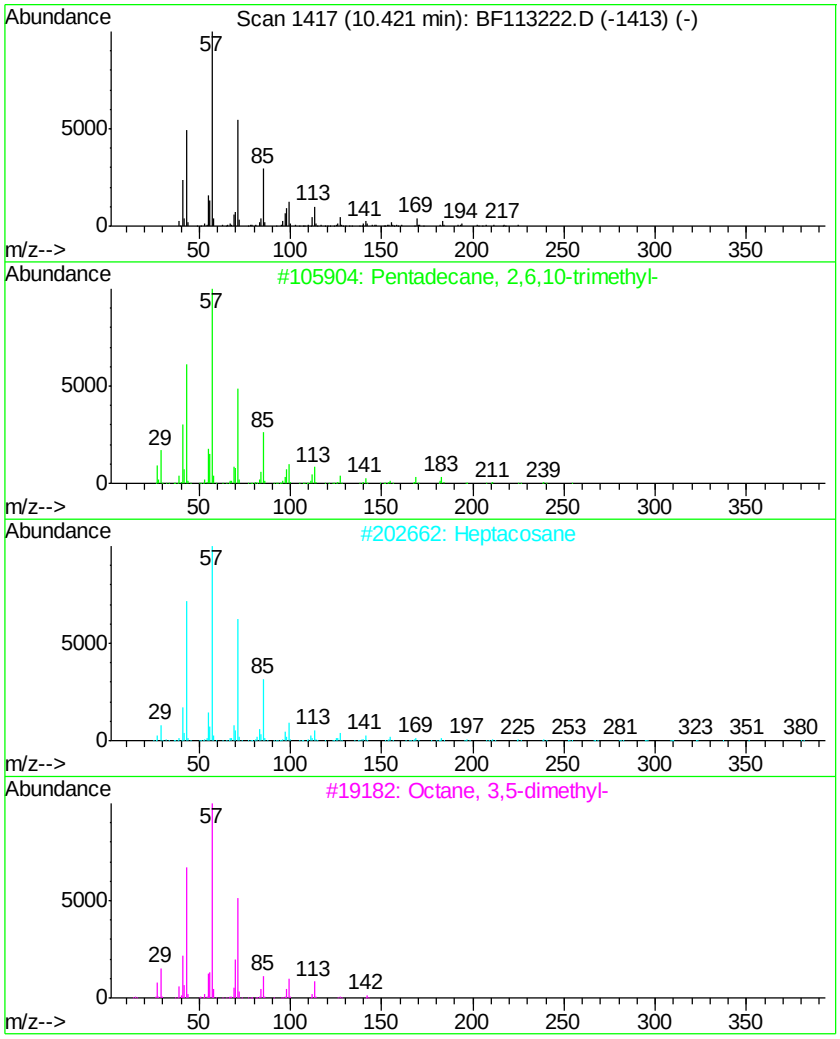
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

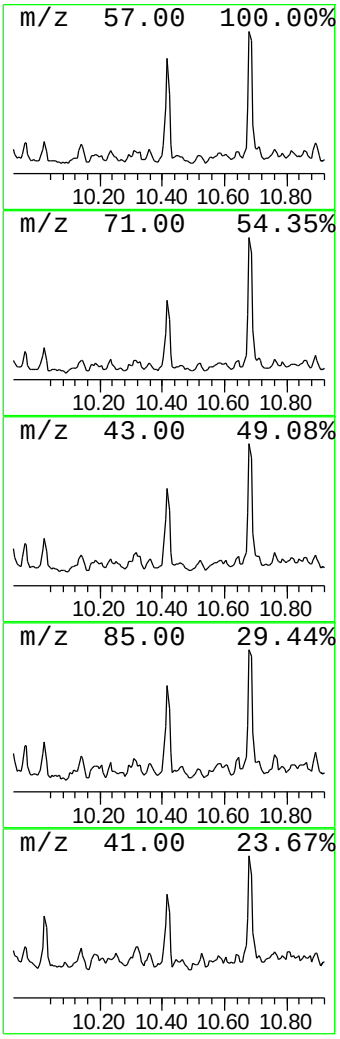
****

Peak Number 18 Pentadecane, 2,6,10-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	3.73 ng	288215	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2	Heptacosane	380	C27H56	000593-49-7	86
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	81
4	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	76
5	Z-2-Tridecen-1-ol	198	C13H26O	1000130-75-8	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

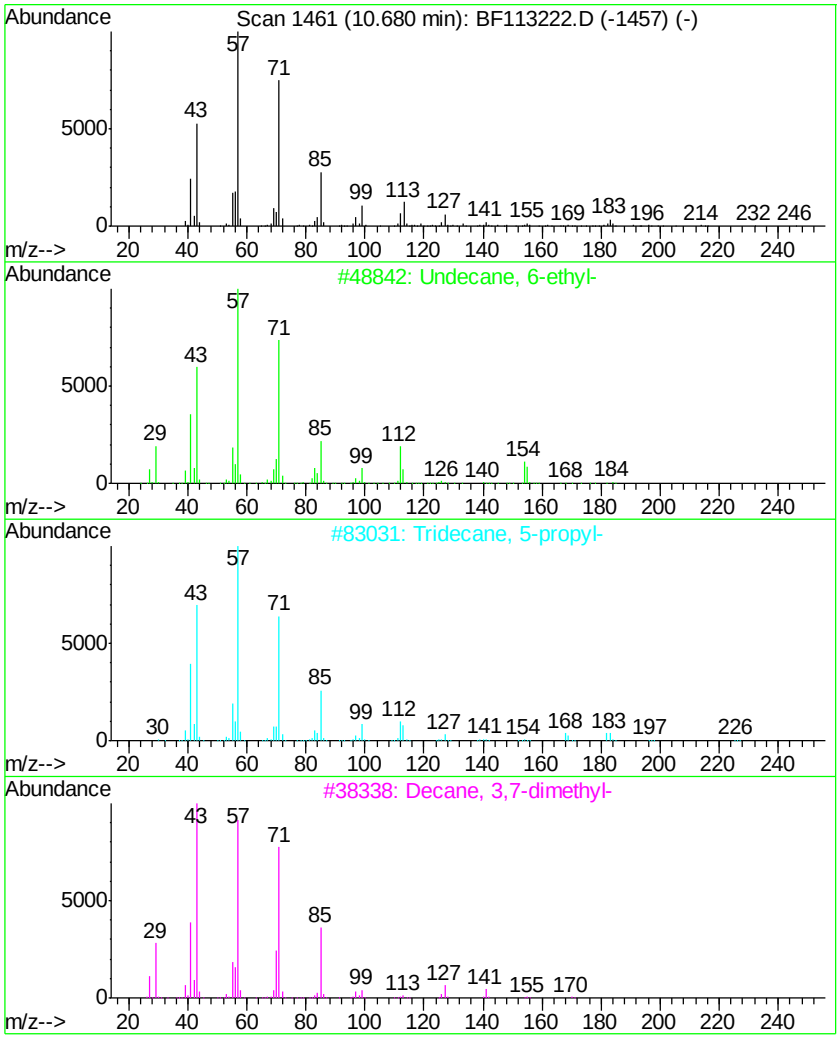
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

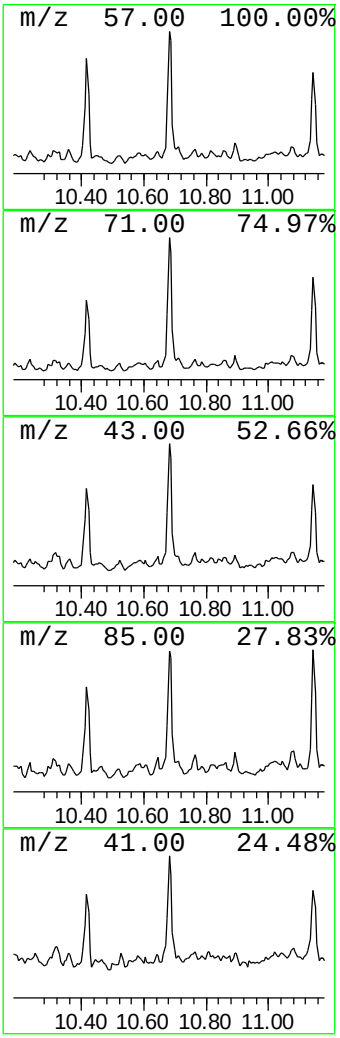
****

Peak Number 19 Undecane, 6-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	7.99 ng	525631	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-ethyl-	184	C13H28	017312-60-6	87
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
3	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	74
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72
5	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

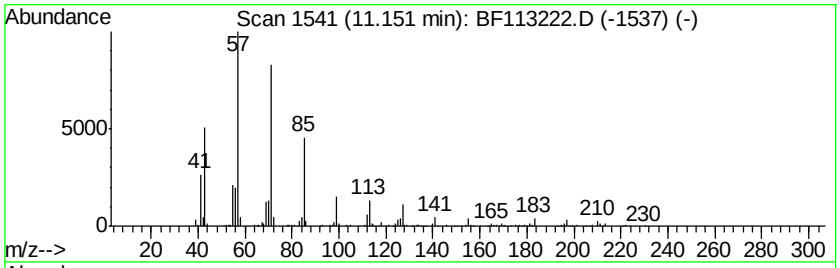
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

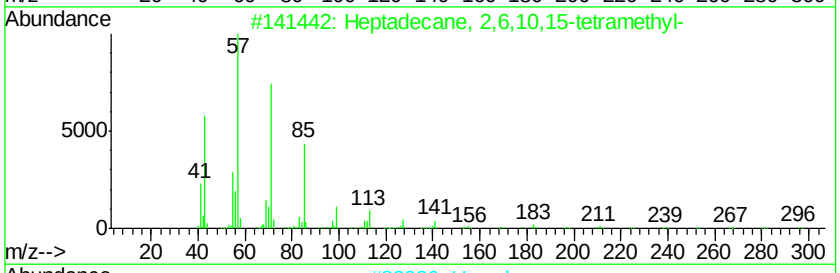
****

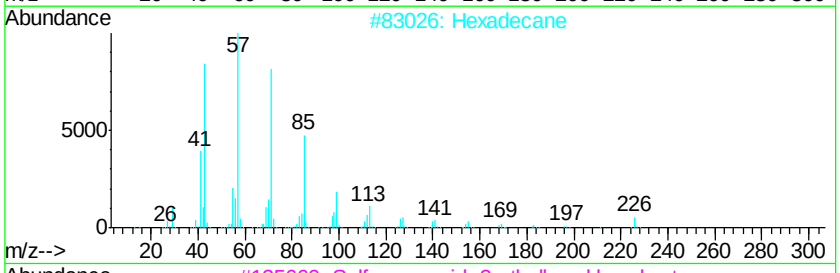
Peak Number 20 Heptadecane, 2,6,10,15-tetr... Concentration Rank 8

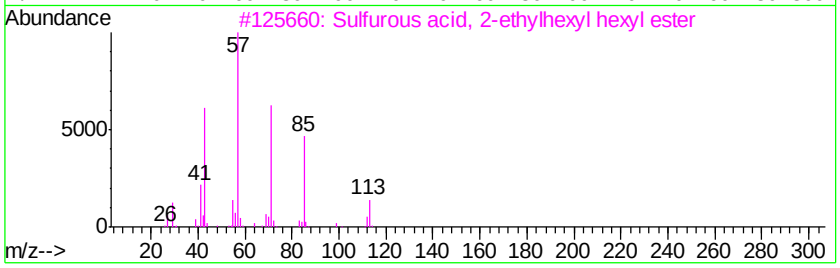
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	5.10 ng	335600	Phenanthrene-d10	11.24

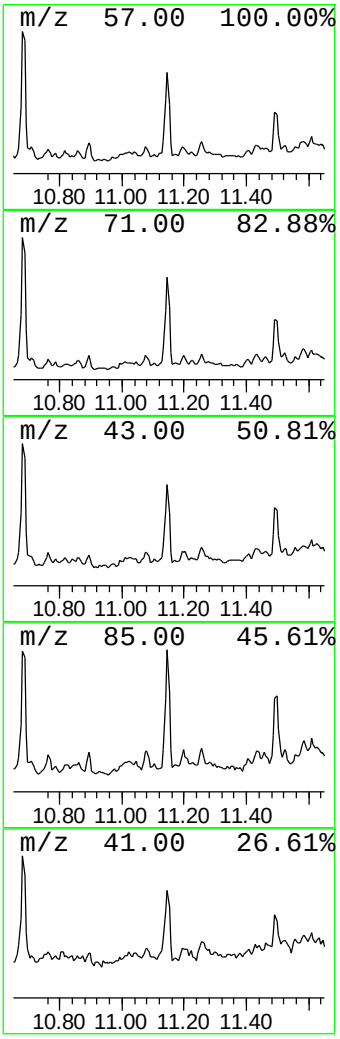
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	86
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5	Heptacosane	380	C27H56	000593-49-7	83











Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
Data File : BF113222.D
Acq On : 21 Mar 2019 21:41
Operator : JU/SJ
Sample : K2004-03 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(7.5-8.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
unknown5.73	5.73	3.9	ng	208819	1	6.72	1060140	20.0
Hexane, 2,3,3-tri...	5.80	3.9	ng	207257	1	6.72	1060140	20.0
unknown5.87	5.87	4.5	ng	238597	1	6.72	1060140	20.0
Cyclohexane, propyl-	5.97	4.7	ng	248218	1	6.72	1060140	20.0
Isobutyl nonyl ca...	6.17	5.8	ng	309808	1	6.72	1060140	20.0
Cyclohexane, 1-me...	6.47	3.9	ng	206485	1	6.72	1060140	20.0
unknown6.49	6.49	4.4	ng	235501	1	6.72	1060140	20.0
Cyclohexane, pentyl-	7.63	4.5	ng	368556	2	8.00	1621790	20.0
Undecane, 3,5-dim...	8.08	4.7	ng	376876	2	8.00	1621790	20.0
unknown8.10	8.10	3.1	ng	249127	2	8.00	1621790	20.0
Cyclohexane, hexyl-	8.30	5.5	ng	441835	2	8.00	1621790	20.0
Sulfurous acid, b...	8.44	7.8	ng	632535	2	8.00	1621790	20.0
Hexacosane	8.70	3.8	ng	307697	2	8.00	1621790	20.0
Heptylcyclohexane	8.92	3.3	ng	253587	3	9.76	1543620	20.0
Dodecane, 2,6,10-...	9.04	5.7	ng	437367	3	9.76	1543620	20.0
Nonane, 2-methyl-...	9.49	7.9	ng	611210	3	9.76	1543620	20.0
Pentadecane, 2,6,...	10.42	3.7	ng	288215	3	9.76	1543620	20.0
Undecane, 6-ethyl-	10.68	8.0	ng	525631	4	11.24	1316000	20.0
Heptadecane, 2,6,...	11.15	5.1	ng	335600	4	11.24	1316000	20.0