LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

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_G\METHODS\8270-BG012919.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	3.226	17	23	31	rBV	201554	379798	2.19%	0.319%
2	4.207	180	190	195	rBV	403181	739399	4.26%	0.622%
3	4.689	266	272	281	rVB	684206	1025238	5.91%	0.862%
4	5.629	421	432	442	rBV2	388821	984029	5.67%	0.828%
5	6.216	524	532	543	rBV2	590502	1015664	5.85%	0.854%
6	7.244	688	707	711	rBV2	345648	1227451	7.07%	1.032%
7	7.315	713	719	727	rBV4	355465	1048951	6.05%	0.882%
8	7.697	778	784	789	rBV2	216215	386787	2.23%	0.325%
9	7.755	789	794	805	rVB	375769	658031	3.79%	0.553%
10	8.172	859	865	870	rBV	258622	455061	2.62%	0.383%
11	8.413	896	906	912	rBV2	419693	809024	4.66%	0.680%
12	8.496	912	920	926	rVV4	322115	785435	4.53%	0.661%
13	8.719	947	958	962	rBV	276614	544688	3.14%	0.458%
14	8.783	962	969	974	rVV	624972	1232798	7.11%	1.037%
15	8.883	974	986	992	rVV3	361424	1274765	7.35%	1.072%
16	9.324	1056	1061	1063	rBV	278288	432522	2.49%	0.364%
17	9.529	1085	1096	1108	rVB4	175242	672097	3.87%	0.565%
18	9.900	1152	1159	1170	rBV2	870449	1719412	9.91%	1.446%
19	10.293	1217	1226	1232	rBV2	807605	1647879	9.50%	1.386%
20	10.411	1235	1246	1247	rBV3	480717	1098815	6.33%	0.924%
21	10.534	1261	1267	1274	rBV2	331707	598459	3.45%	0.503%
22	10.769	1298	1307	1314	rBV	2143598	4110620	23.69%	3.457%
23	10.845	1314	1320	1325	rVV	1269476	2312604	13.33%	1.945%
24	10.898	1325	1329	1339	rVV2	613526	1766292	10.18%	1.485%
25	10.998	1339	1346	1349	rVV	412767	873645	5.04%	0.735%
26	11.069	1349	1358	1363	rVV	7483877	17349244	100.00%	14.590%
27	11.110	1363	1365	1376	rVB3	357674	595635	3.43%	0.501%
28	11.309	1392	1399	1404	rBV	1196428	2026129	11.68%	1.704%
29	11.374	1404	1410	1416	rVB4	328420	651254	3.75%	0.548%
30	11.539	1434	1438	1450	rVV5	231696	667525	3.85%	0.561%
31	11.650	1452	1457	1464	rVB5	118001	275850	1.59%	0.232%
32	11.850	1474	1491	1495	rBV2	563256	2199477	12.68%	1.850%
33	12.155	1533	1543	1548	rBV2	261298	486210	2.80%	0.409%
34	12.326	1562	1572	1577	rVV3	156802	339859	1.96%	0.286%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

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_G\METHODS\8270-BG012919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.637	1619	1625	1632	rVB3	302379	614098	3.54%	0.516%
36	12.719	1633	1639	1644	rVV	714829	1126548	6.49%	0.947%
37	12.790	1644	1651	1661	rVB4	818650	1680006	9.68%	1.413%
38	12.995	1676	1686	1691	rBV4	420577	1134918	6.54%	0.954%
39	13.054	1691	1696	1701	rVV	640301	1118148	6.44%	0.940%
40	13.107	1702	1705	1710	rVB2	194187	286269	1.65%	0.241%
41	13.207	1716	1722	1725	rBV5	188080	345962	1.99%	0.291%
42	13.248	1725	1729	1733	rVV3	345642	655173	3.78%	0.551%
43	13.295	1733	1737	1742	rVB2	238813	406440	2.34%	0.342%
44	13.424	1754	1759	1772	rVB	669359	1582924	9.12%	1.331%
45	13.530	1772	1777	1779	rBV	259320	376485	2.17%	0.317%
46	13.565	1779	1783	1791	rVB3	496431	875425	5.05%	0.736%
47	13.724	1798	1810	1815	rBV2	613561	1318554	7.60%	1.109%
48	13.806	1815	1824	1839	rVB3	467950	1308065	7.54%	1.100%
49	14.000	1848	1857	1862	rVV2	868663	2025869	11.68%	1.704%
50	14.082	1864	1871	1873	rVV3	321869	712614	4.11%	0.599%
51	14.112	1873	1876	1885	rVB	517516	811538	4.68%	0.682%
52	14.247	1894	1899	1900	rBV	229499	309482	1.78%	0.260%
53	14.329	1909	1913	1918	rBV3	155214	327305	1.89%	0.275%
54	14.446	1922	1933	1942	rVB2	1287570	3486483	20.10%	2.932%
55	14.587	1950	1957	1969	rBV5	397844	837309	4.83%	0.704%
56	14.799	1985	1993	1998	rBV2	684798	1294648	7.46%	1.089%
57	14.899	2005	2010	2019	rVB2	241565	469500	2.71%	0.395%
58	15.034	2030	2033	2046	rVB3	167430	417565	2.41%	0.351%
59	15.210	2055	2063	2070	rBV	288536	548978	3.16%	0.462%
60	15.339	2072	2085	2103	rVV3	1168299	4179330	24.09%	3.515%
61	15.486	2103	2110	2113	rVV5	111919	290585	1.67%	0.244%
62	15.639	2132	2136	2145	rVB5	143742	342602	1.97%	0.288%
63	15.792	2151	2162	2167	rBV4	307918	890558	5.13%	0.749%
64	15.974	2191	2193	2202	rVB5	180849	315986	1.82%	0.266%
65	16.115	2212	2217	2220	rBV2	403508	663971	3.83%	0.558%
66	16.150	2220	2223	2231	rVB2	655671	1044022	6.02%	0.878%
67	16.226	2231	2236	2240	rBV	203896	364238	2.10%	0.306%
68	16.279	2241	2245	2251	rVB	264200	421783	2.43%	0.355%
69	16.820	2333	2337	2344	rVB4	216461	358589	2.07%	0.302%
70	16.919	2349	2354	2362	rBV4	456946	922421	5.32%	0.776%
71	17.542	2455	2460	2471	rVB2	755609	1466011	8.45%	1.233%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

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_G\METHODS\8270-BG012919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.736	2488	2493	2500	rBV2	489528	849393	4.90%	0.714%
73	18.106	2552	2556	2561	rVB3	254882	409276	2.36%	0.344%
74	18.282	2581	2586	2597	rBV8	216727	511929	2.95%	0.431%
75	18.406	2603	2607	2616	rVB	533699	832145	4.80%	0.700%
76	18.553	2625	2632	2643	rVB	1112965	1842796	10.62%	1.550%
77	18.752	2661	2666	2673	rVV2	536632	996768	5.75%	0.838%
78	18.929	2691	2696	2703	rVB	602817	890505	5.13%	0.749%
79	19.075	2715	2721	2727	rBV4	225226	556584	3.21%	0.468%
80	19.152	2727	2734	2745	rVB2	1641941	3091728	17.82%	2.600%
81	19.351	2763	2768	2774	rVB3	352963	608499	3.51%	0.512%
82	19.663	2814	2821	2825	rBV3	262888	419818	2.42%	0.353%
83	19.933	2864	2867	2870	rBV	298925	391116	2.25%	0.329%
84	19.974	2870	2874	2881	rVB2	468714	632566	3.65%	0.532%
85	20.127	2894	2900	2905	rBV	1029498	1746145	10.06%	1.468%
86	20.180	2905	2909	2918	rVB3	500428	878027	5.06%	0.738%
87	20.673	2987	2993	3001	rBV	1714577	2390650	13.78%	2.010%
88	21.237	3085	3089	3094	rBV3	162486	284923	1.64%	0.240%
89	21.443	3118	3124	3135	rVB4	995943	1960302	11.30%	1.649%
90	21.731	3168	3173	3174	rBV2	199763	301741	1.74%	0.254%
91	21.836	3185	3191	3199	rVB	686294	1269742	7.32%	1.068%
92	21.942	3205	3209	3214	rVB3	175874	283075	1.63%	0.238%
93	22.024	3220	3223	3228	rVB2	192512	277337	1.60%	0.233%
94	23.346	3444	3448	3459	rVB	163697	353907	2.04%	0.298%
95	24.926	3713	3717	3726	rVB3	122350	322031	1.86%	0.271%
96	25.226	3756	3768	3780	rVB2	427223	1524751	8.79%	1.282%
97	27.164	4088	4098	4108	rBV3	93847	327735	1.89%	0.276%
98	28.004	4226	4241	4261	rVB	463355	2067964	11.92%	1.739%
99	28.345	4282	4299	4324	rBV4	592085	2746478	15.83%	2.310%
100	30.008	4566	4582	4605	rBV6	476429	2422939	13.97%	2.038%

Sum of corrected areas: 118911919

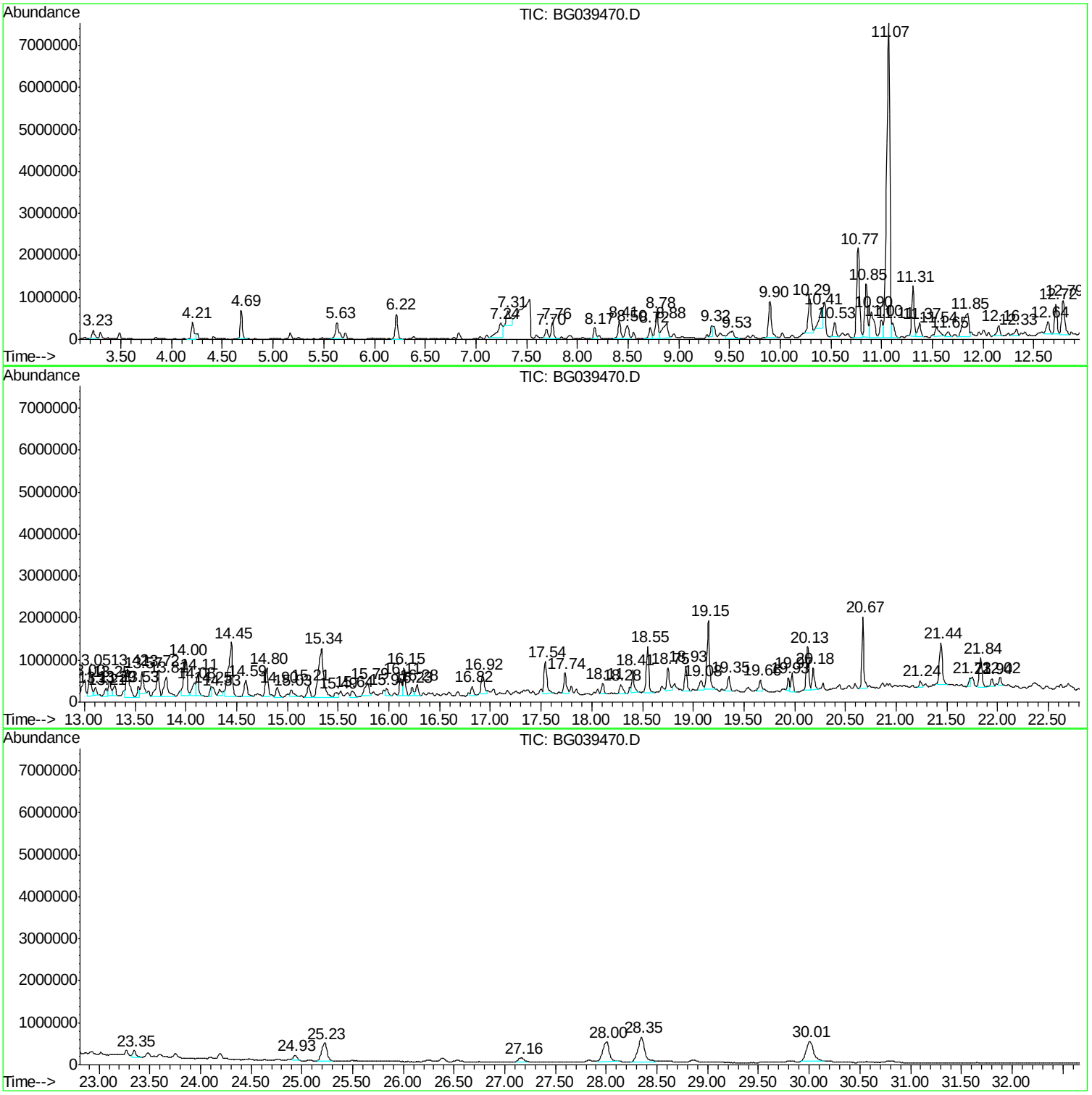
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.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 G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

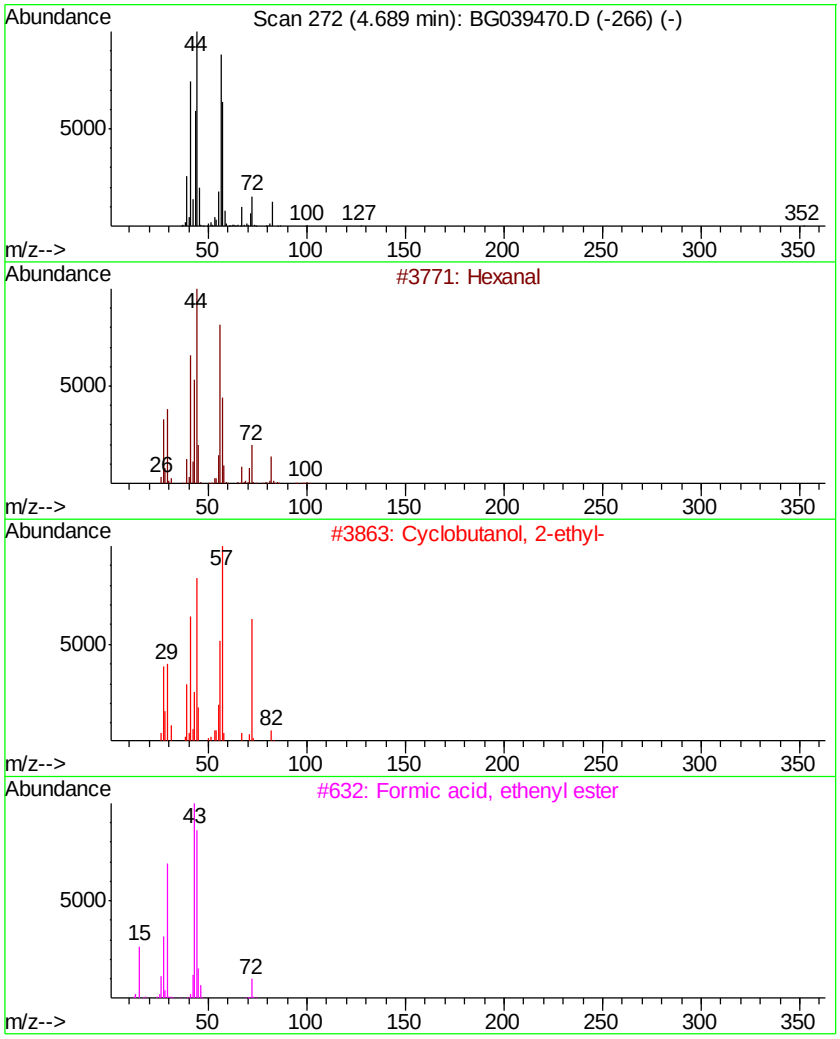
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

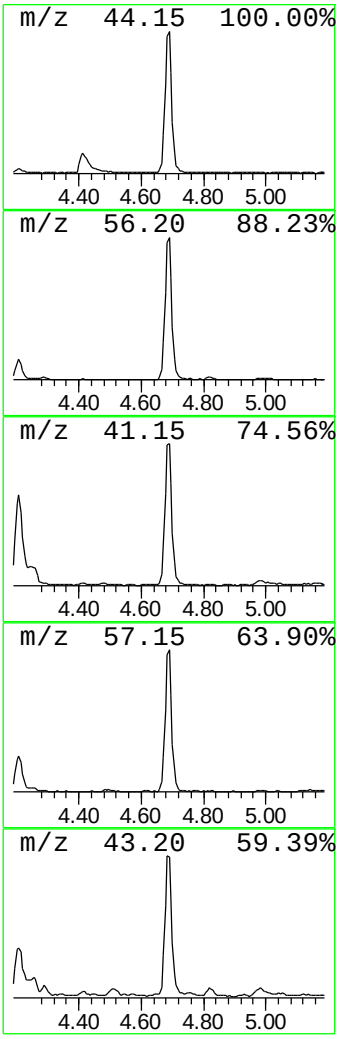
****

Peak Number 1 Hexanal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.69	45.06 ng	1025240	1,4-Dichlorobenzene-d4	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	45
3	Formic acid, ethenyl ester	72	C3H4O2	000692-45-5	35
4	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	27
5	Hex-5-enylamine	99	C6H13N	034825-70-2	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

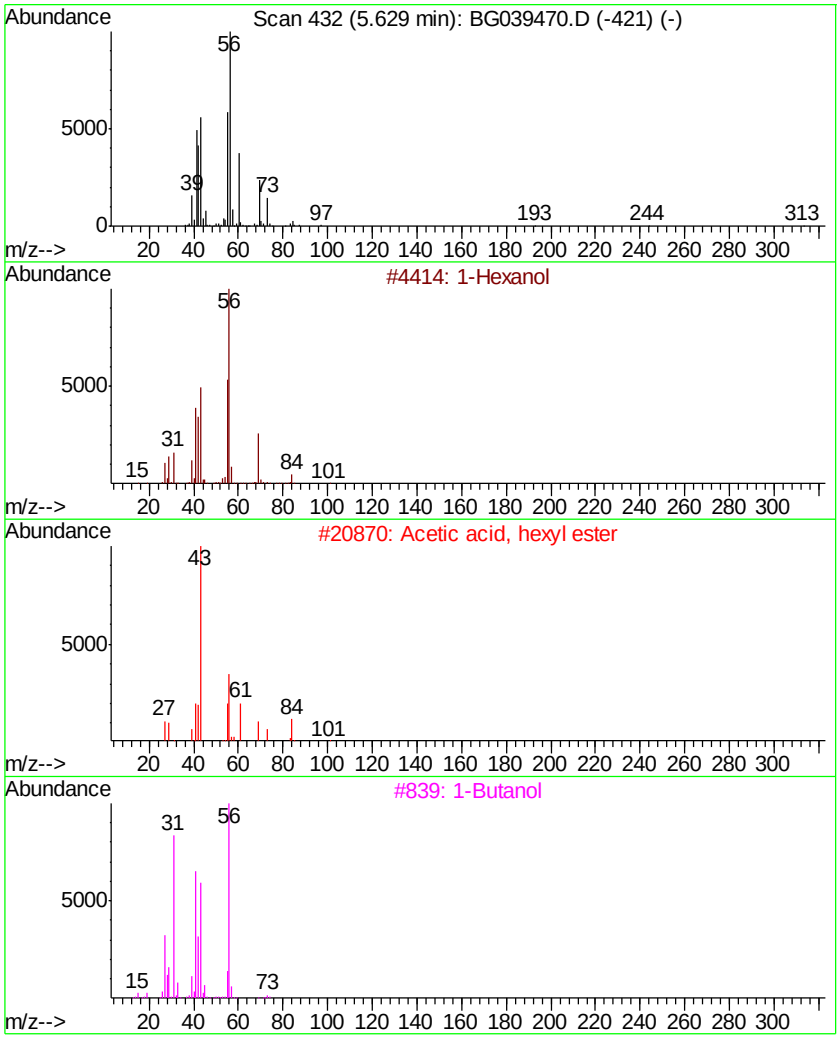
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

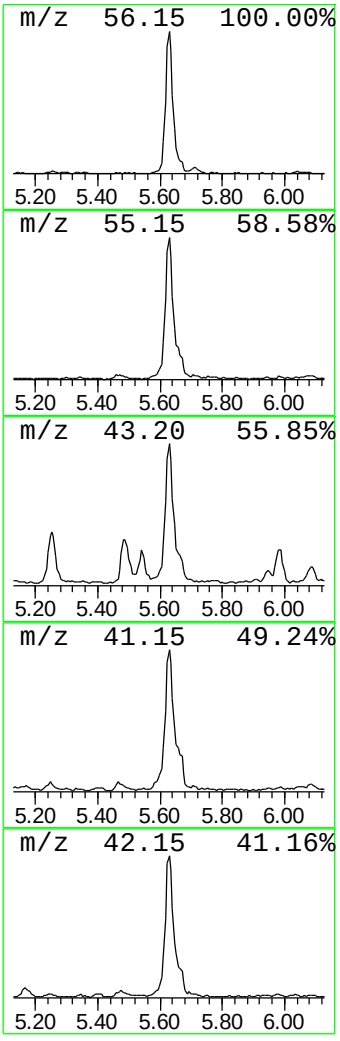
****

Peak Number 2 1-Hexanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	43.25 ng	984029	1,4-Dichlorobenzene-d4	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol	102	C6H14O	000111-27-3	64
2	Acetic acid, hexyl ester	144	C8H16O2	000142-92-7	56
3	1-Butanol	74	C4H10O	000071-36-3	53
4	1-Aziridineethanol	87	C4H9NO	001072-52-2	53
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

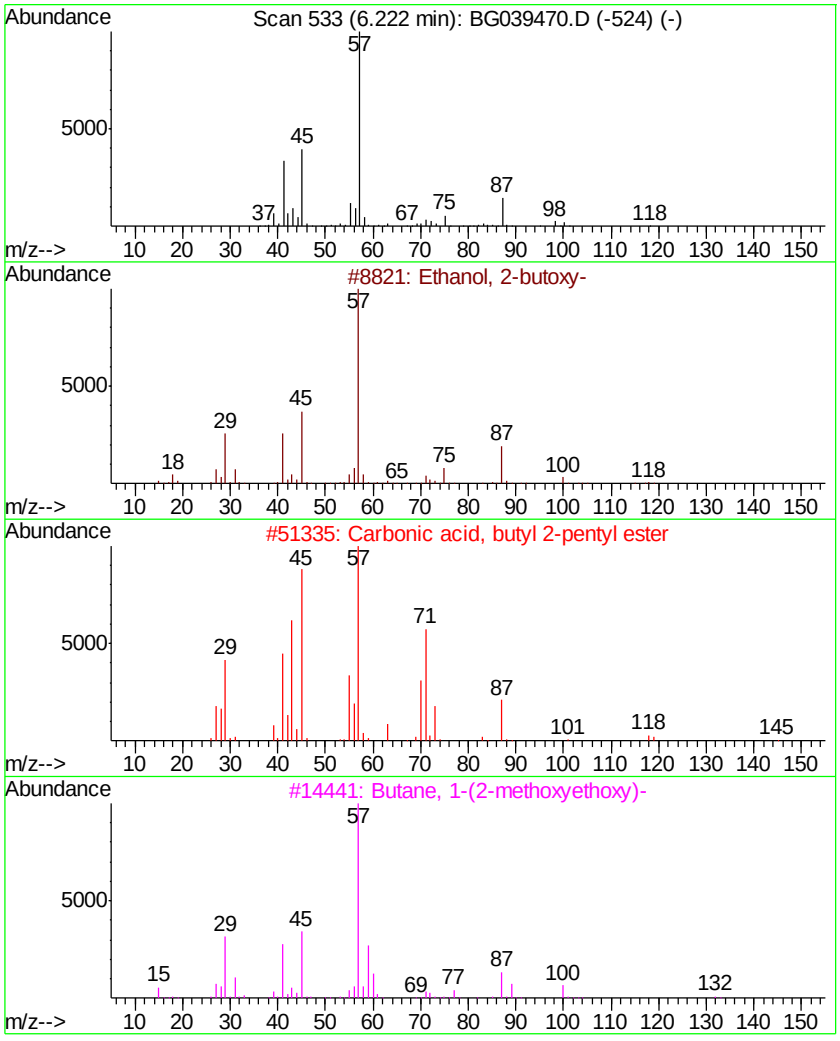
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

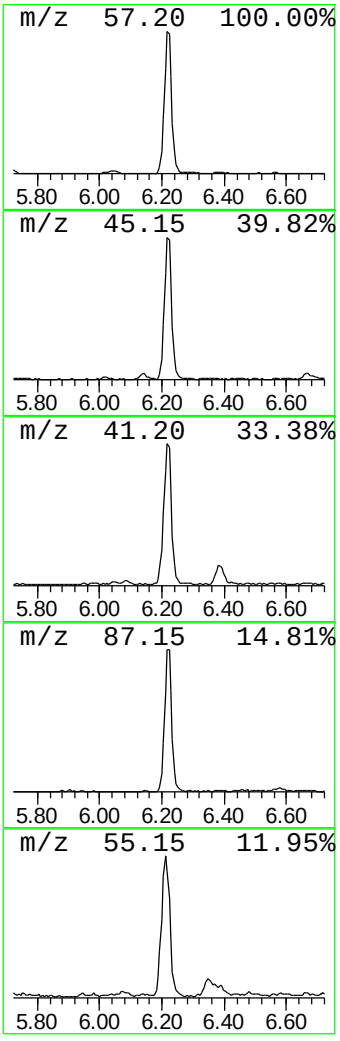
****

Peak Number 3 Ethanol, 2-butoxy- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	44.64 ng	1015660	1,4-Dichlorobenzene-d4	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	59
2	Carbonic acid, butyl 2-pentyl ester	188	C10H20O3	1000357-84-0	45
3	Butane, 1-(2-methoxyethoxy)-	132	C7H16O2	013343-98-1	33
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	33
5	1-Butene, 4-butoxy-	128	C8H16O	034061-76-2	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

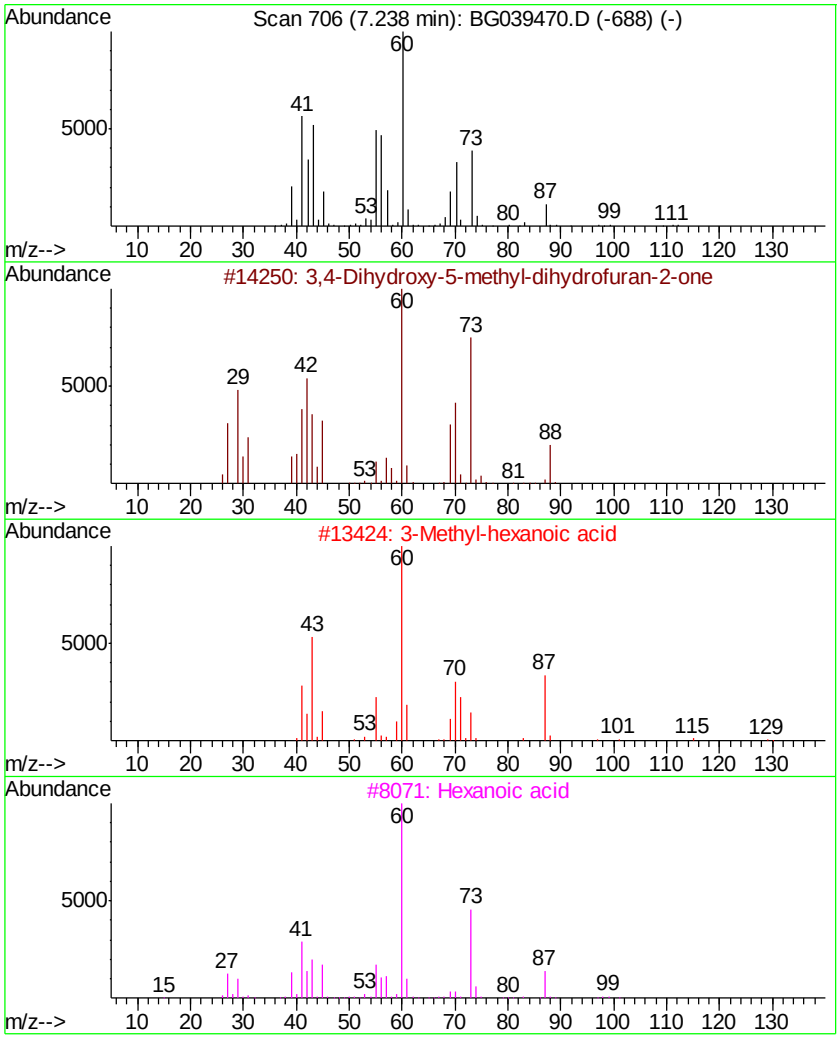
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

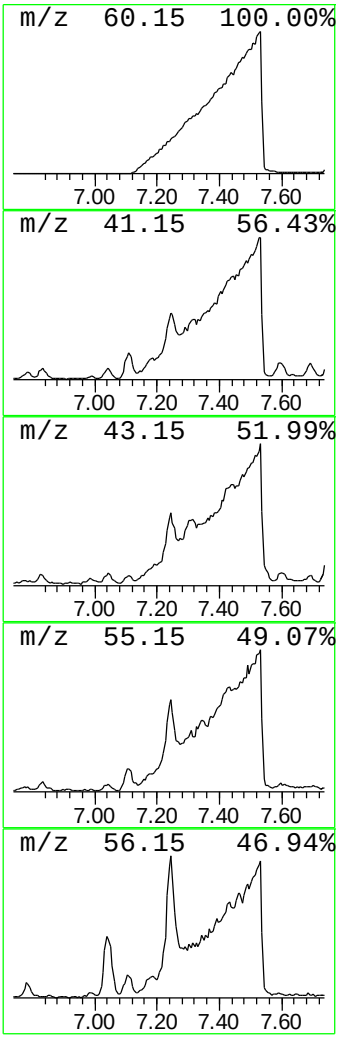
****

Peak Number 4 3,4-Dihydroxy-5-methyl-dihy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.24	53.95 ng	1227450	1,4-Dichlorobenzene-d4	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydroxy-5-methyl-dihydrofu...	132	C5H8O4	1000193-83-1	50
2	3-Methyl-hexanoic acid	130	C7H14O2	1000365-65-4	50
3	Hexanoic acid	116	C6H12O2	000142-62-1	50
4	Heptanoic acid	130	C7H14O2	000111-14-8	47
5	Pentanoic acid	102	C5H10O2	000109-52-4	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

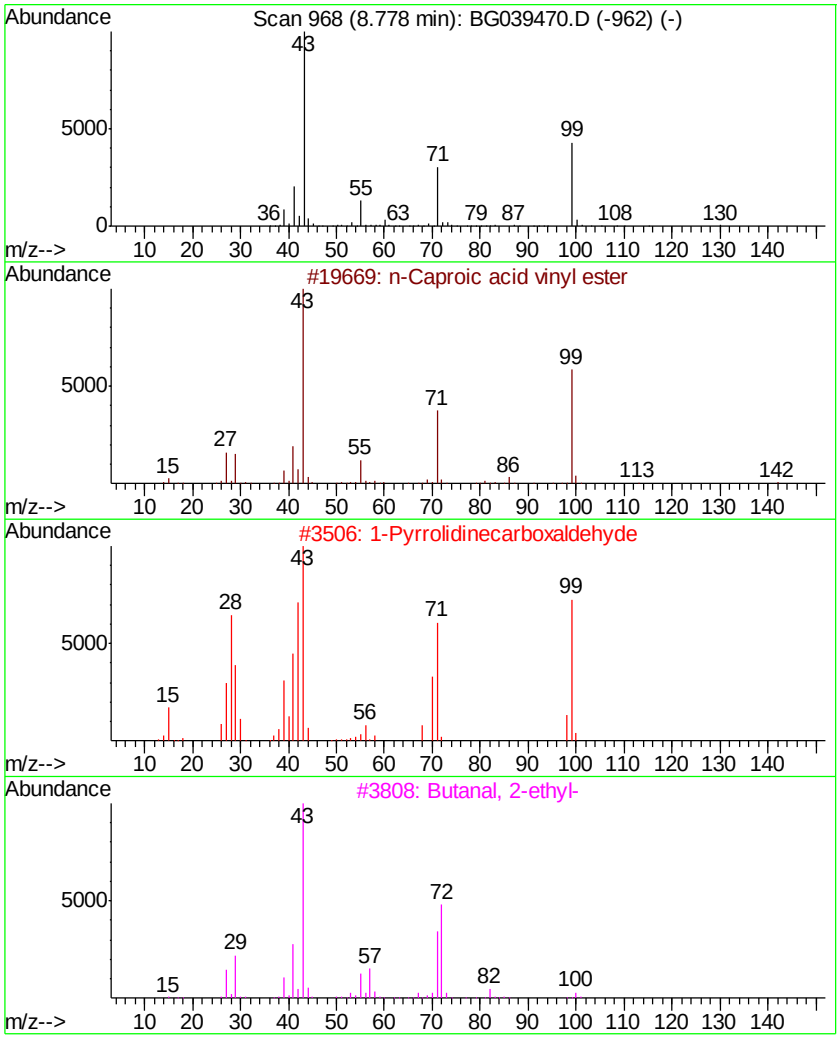
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

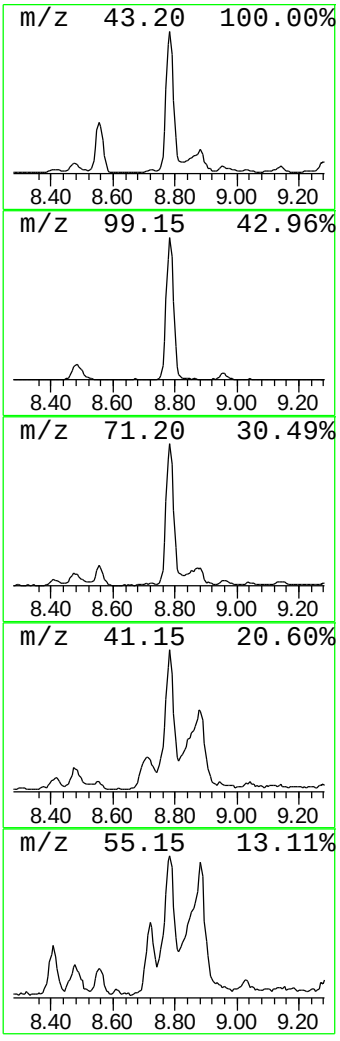
****

Peak Number 5 n-Caproic acid vinyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.78	54.18 ng	1232800	1,4-Dichlorobenzene-d4	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Caproic acid vinyl ester	142	C8H14O2	003050-69-9	64
2	1-Pyrrolidinecarboxaldehyde	99	C5H9NO	003760-54-1	45
3	Butanal, 2-ethyl-	100	C6H12O	000097-96-1	38
4	Hexanoic acid, 2-methylbutyl ester	186	C11H22O2	002601-13-0	36
5	2-Propen-1-ol, 2-chloro-, acetate	134	C5H7ClO2	000692-72-8	36





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

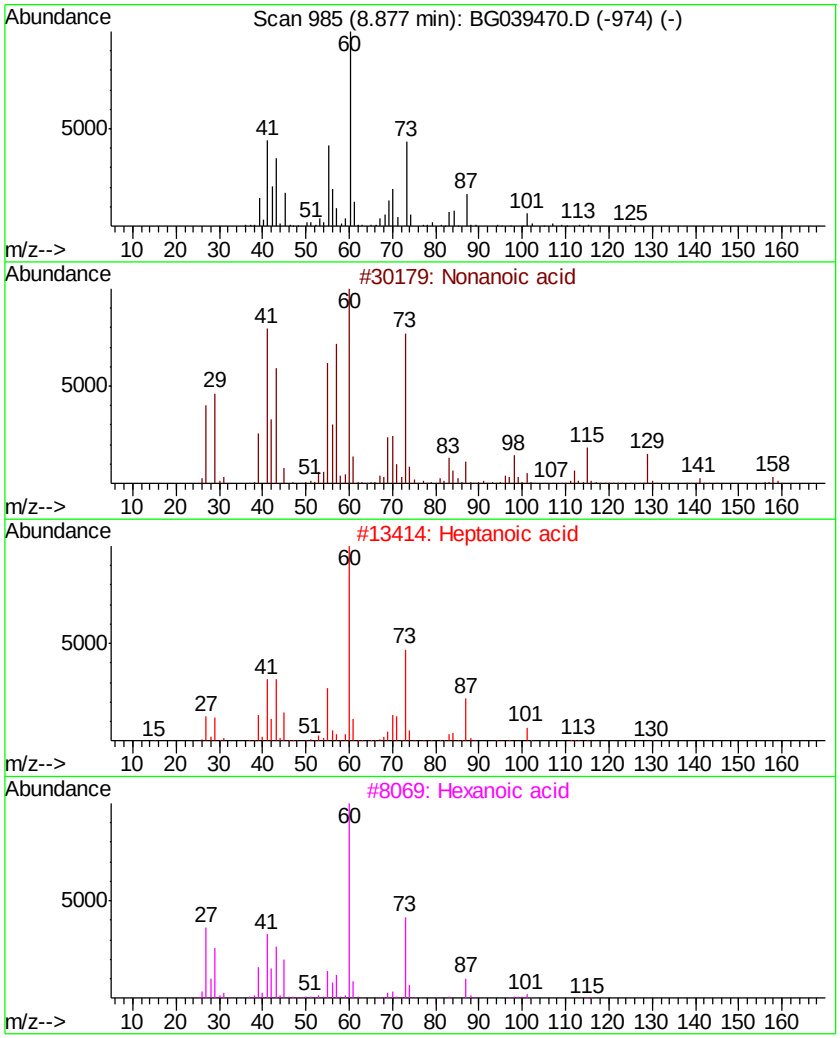
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

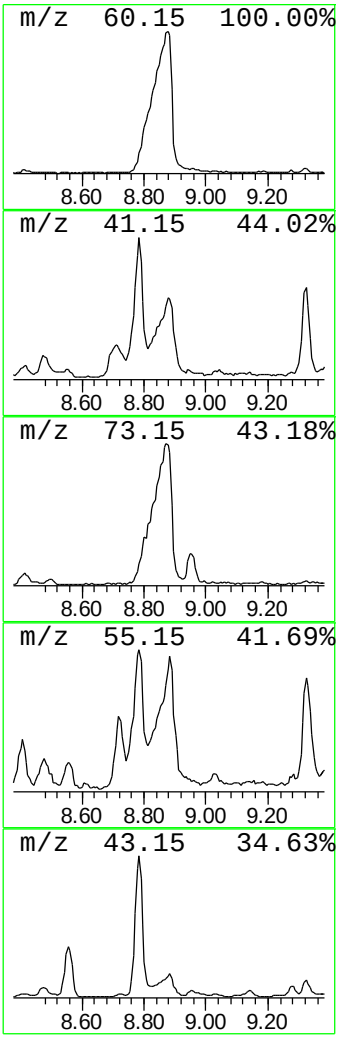
****

Peak Number 6 Nonanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	56.03 ng	1274770	1,4-Dichlorobenzene-d4	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanoic acid	158	C9H18O2	000112-05-0	64
2	Heptanoic acid	130	C7H14O2	000111-14-8	53
3	Hexanoic acid	116	C6H12O2	000142-62-1	50
4	Pentanoic acid	102	C5H10O2	000109-52-4	47
5	Formic acid hydrazide	60	CH4N2O	000624-84-0	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

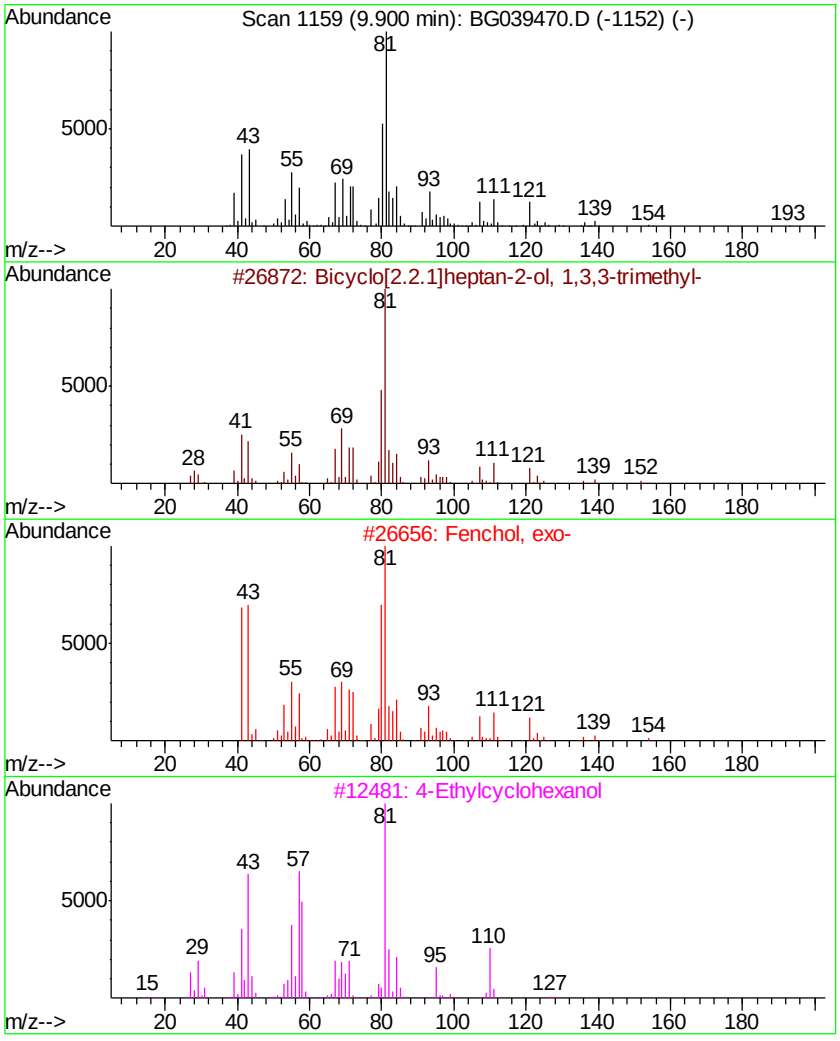
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

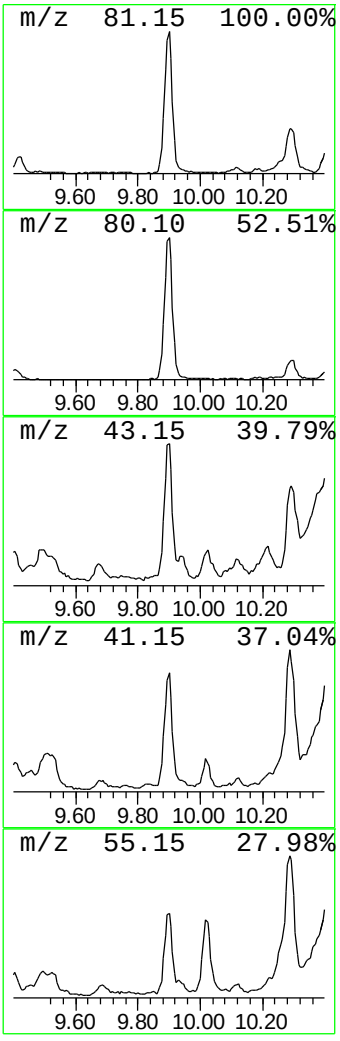
****

Peak Number 7 Bicyclo[2.2.1]heptan-2-ol, ... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	39.36 ng	1719410	Naphthalene-d8	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	001632-73-1	93
2	Fenchol, exo-	154	C10H18O	022627-95-8	60
3	4-Ethylcyclohexanol	128	C8H16O	004534-74-1	38
4	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	196	C12H20O2	076109-40-5	37
5	Cyclopentanecarboxylic acid, 3-m...	140	C8H12O2	037575-80-7	32





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

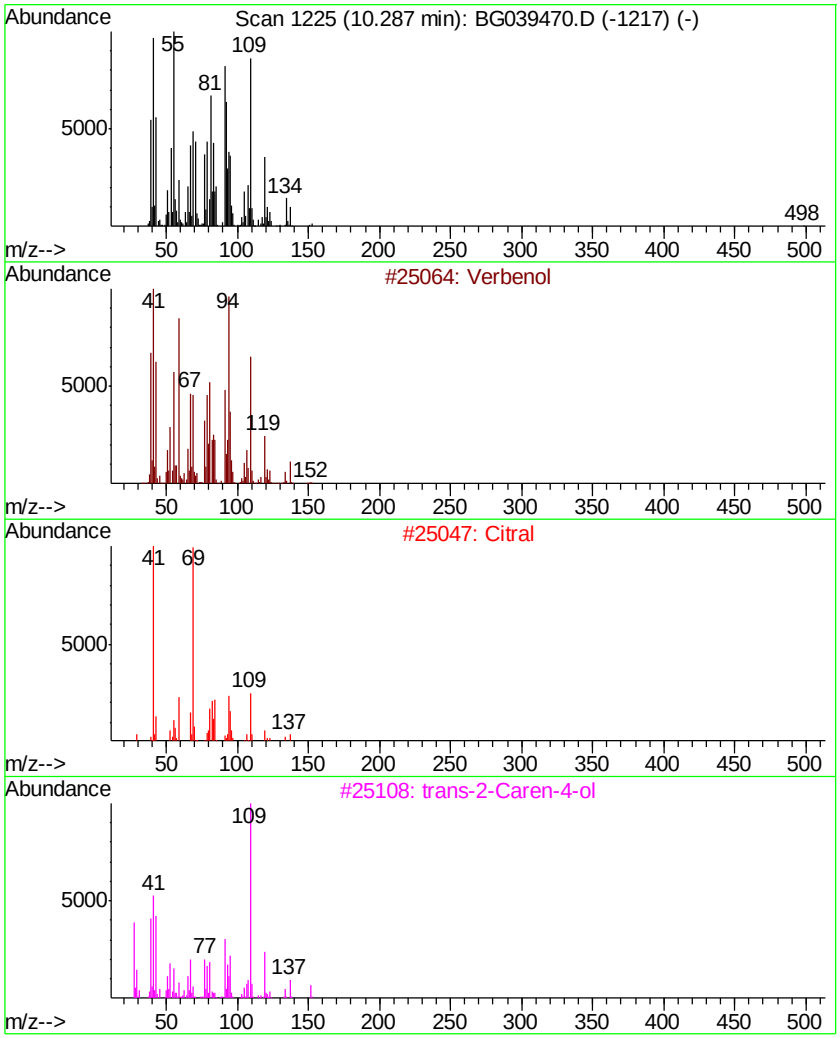
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

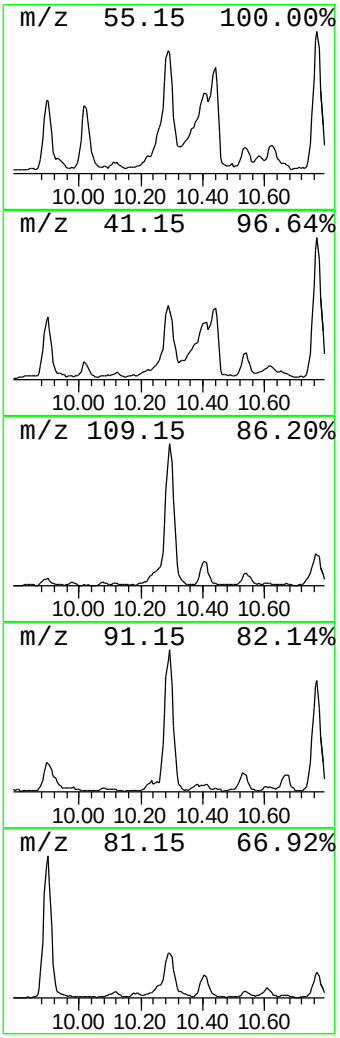
****

Peak Number 8 Verbenol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	37.72 ng	1647880	Naphthalene-d8	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Verbenol	152	C10H16O	000473-67-6	50
2	Citral	152	C10H16O	005392-40-5	43
3	trans-2-Caren-4-ol	152	C10H16O	004017-82-7	27
4	Bicyclo[4.2.0]oct-1-ene, 7-exo-e...	134	C10H14	1000142-18-2	25
5	Tetracyclo[3.3.1.1(1,8).0(2,4)]d...	134	C10H14	1000185-58-7	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

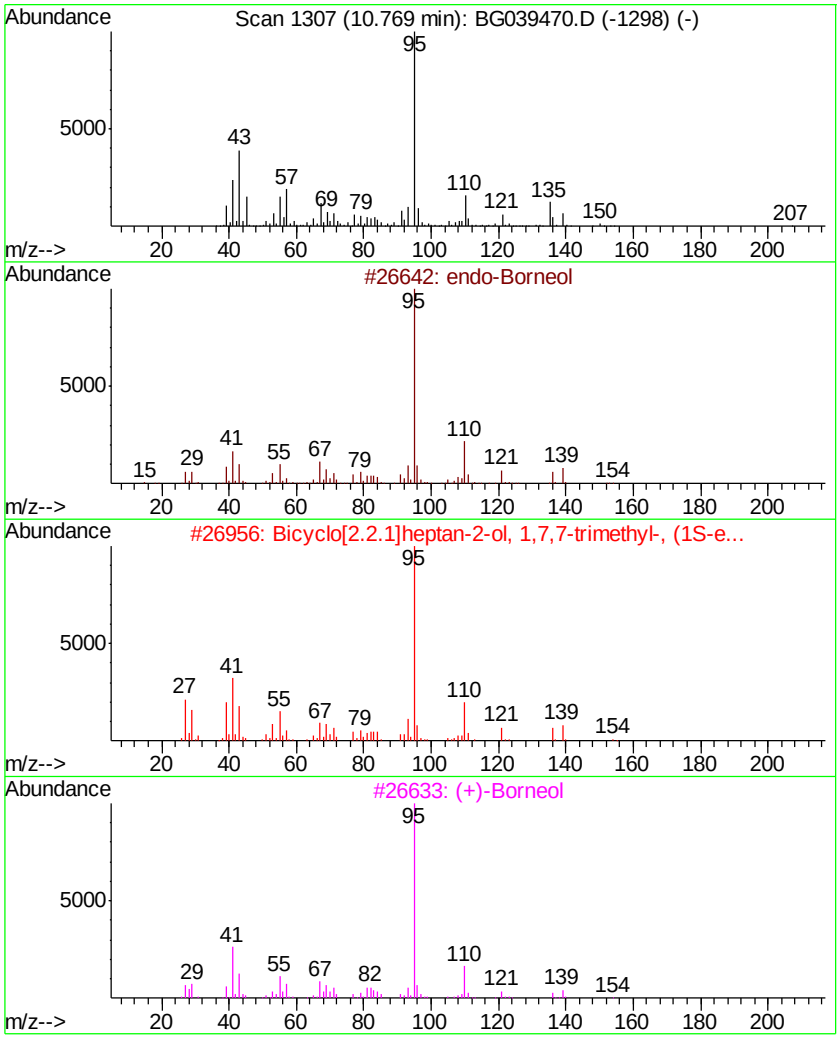
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

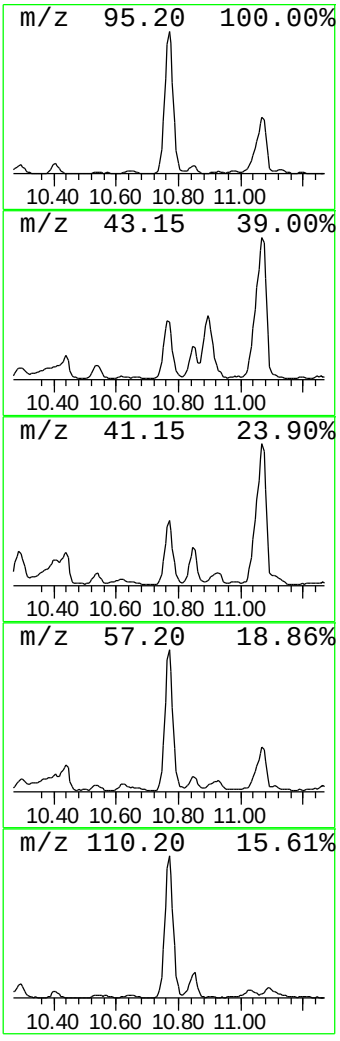
****

Peak Number 9 endo-Borneol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	94.10 ng	4110620	Naphthalene-d8	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	endo-Borneol	154	C10H18O	000507-70-0	95
2	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	154	C10H18O	000464-45-9	90
3	(+)-Borneol	154	C10H18O	1000150-76-3	86
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	76
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

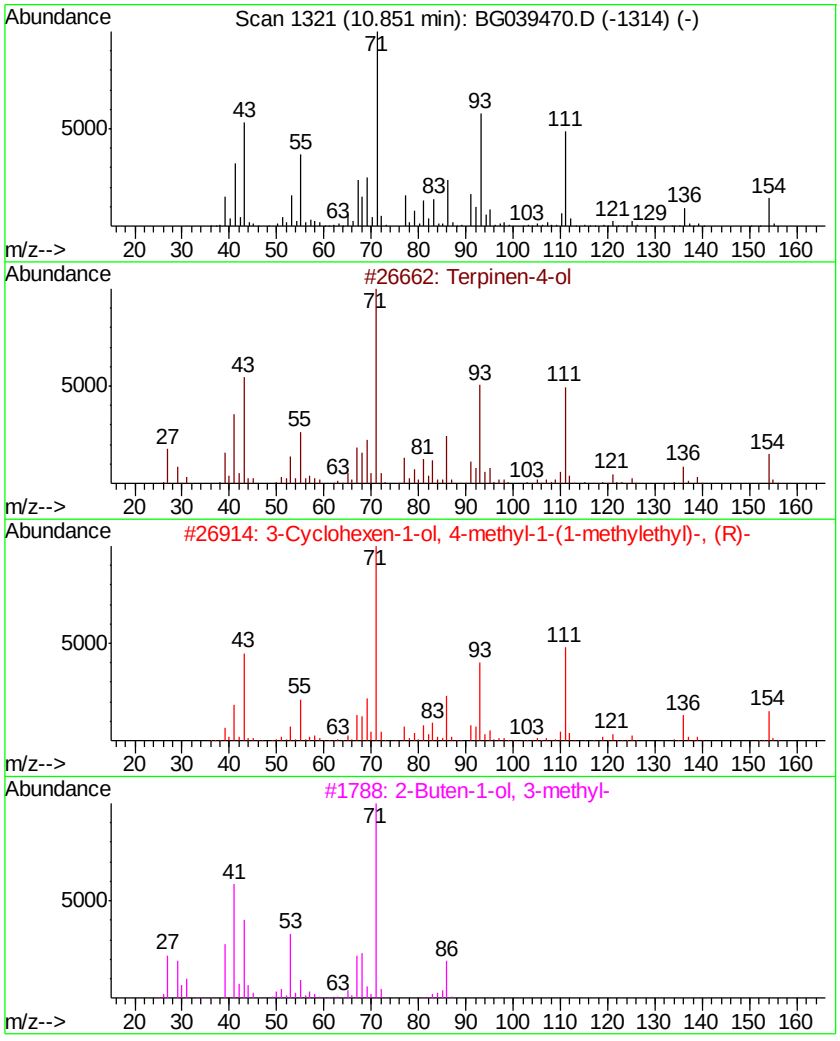
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

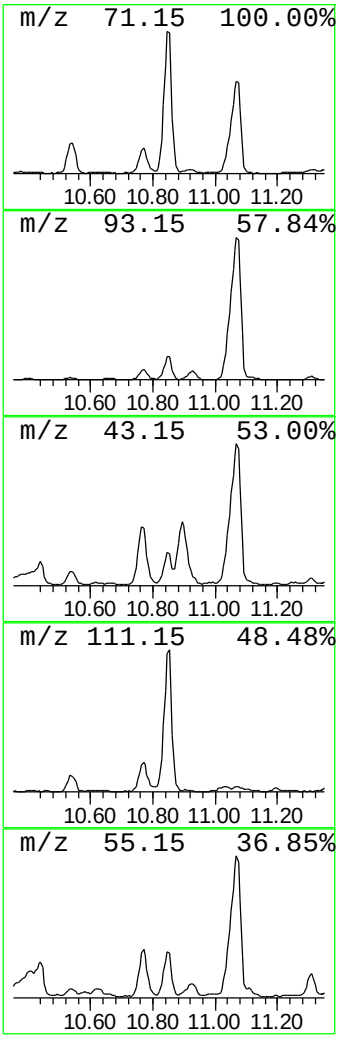
****

Peak Number 10 Terpinen-4-ol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	52.94 ng	2312600	Naphthalene-d8	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Terpinen-4-ol	154	C10H18O	000562-74-3	93
2	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	87
3	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	38
4	Spiro[2.4]heptane-5-methanol, 5-...	142	C8H14O2	109532-58-3	35
5	Bicyclo[3.1.1]heptan-endo-6-ol, ...	190	C7H11BrO	1000142-77-8	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

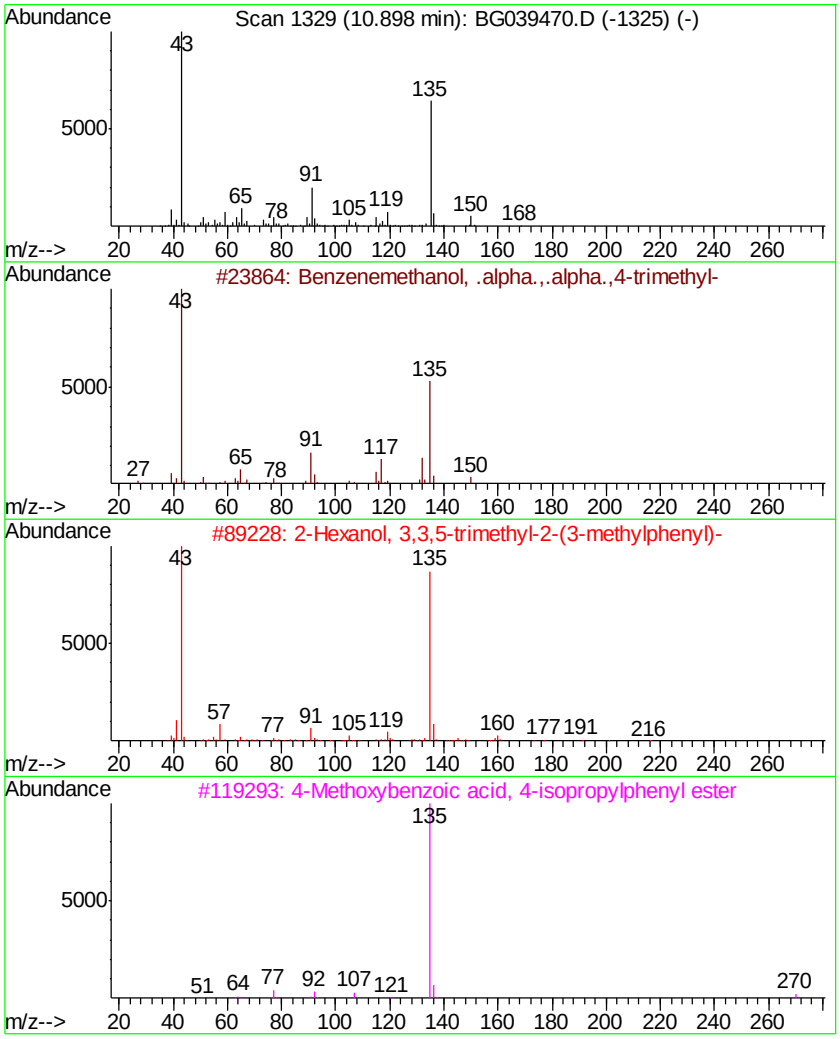
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

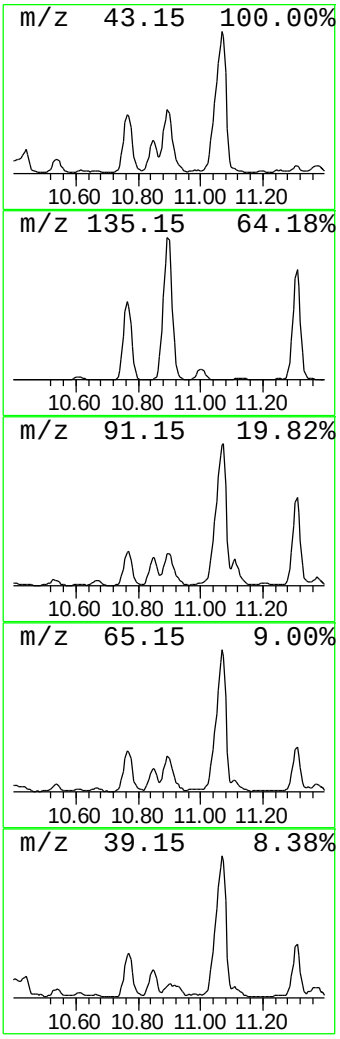
****

Peak Number 11 Benzenemethanol, .alpha.,.a... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	40.44 ng	1766290	Naphthalene-d8	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanol, .alpha.,.alpha....	150	C10H14O	001197-01-9	64
2	2-Hexanol, 3,3,5-trimethyl-2-(3-...	234	C16H26O	274266-33-0	59
3	4-Methoxybenzoic acid, 4-isoprop...	270	C17H18O3	1000331-49-8	53
4	p-Methoxybenzoic acid, 3,5-diflu...	264	C14H10F2O3	1000292-64-7	50
5	p-Methoxybenzoic acid, 2-bromo-4...	324	C14H10BrFO3	1000292-65-1	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

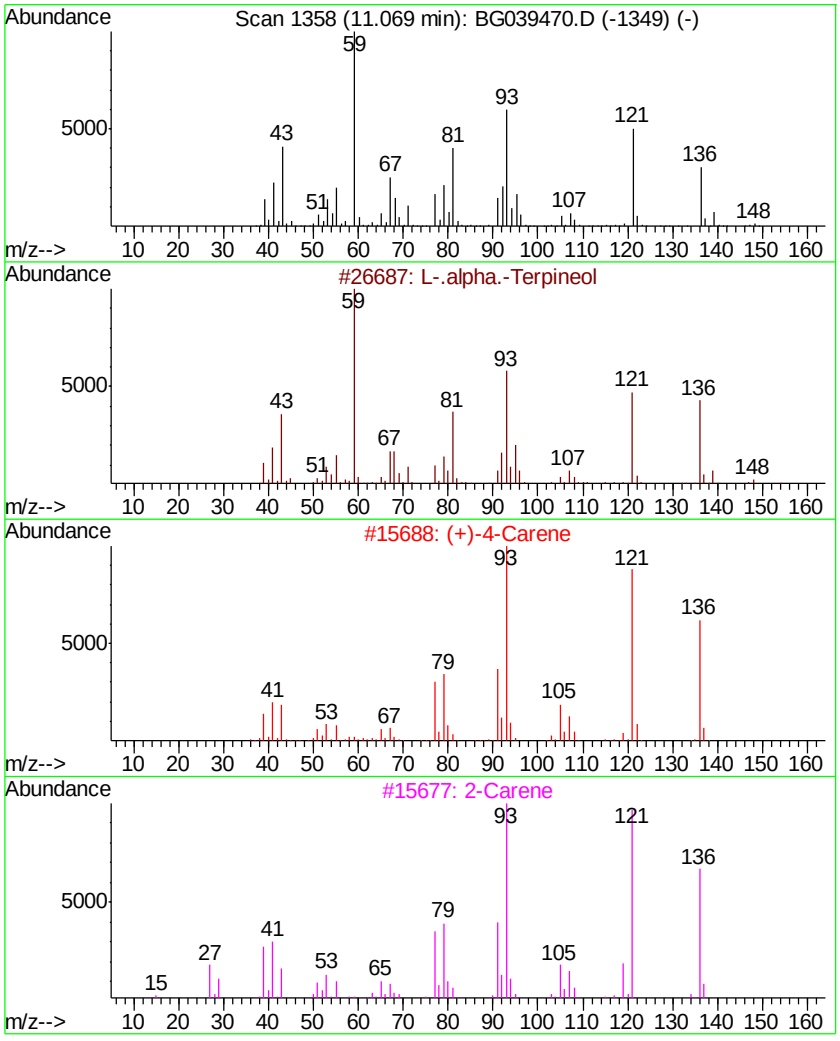
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

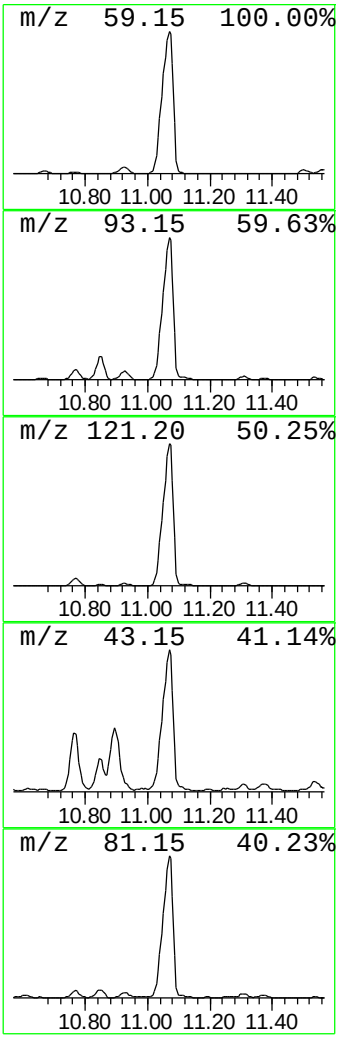
****

Peak Number 12 L-.alpha.-Terpineol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	397.17 ng	17349200	Naphthalene-d8	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	L-.alpha.-Terpineol	154	C10H18O	010482-56-1	64
2	(+)-4-Carene	136	C10H16	029050-33-7	46
3	2-Carene	136	C10H16	000554-61-0	46
4	.alpha.-Terpineol	154	C10H18O	000098-55-5	43
5	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

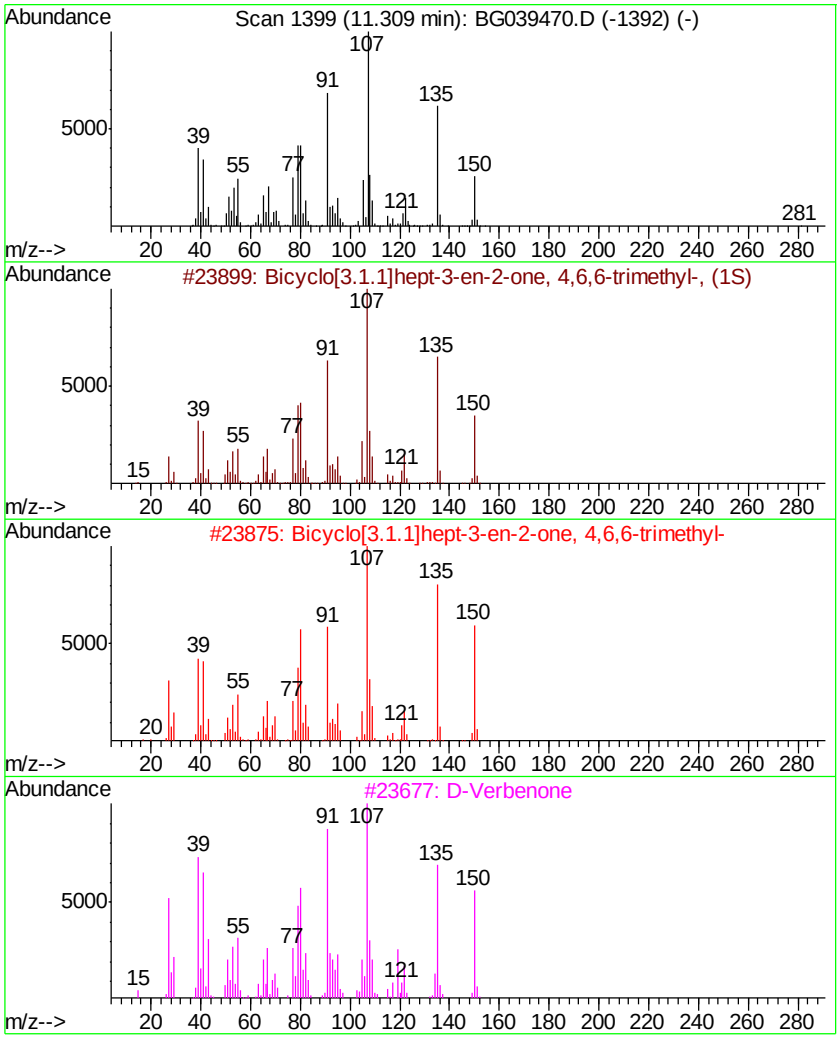
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

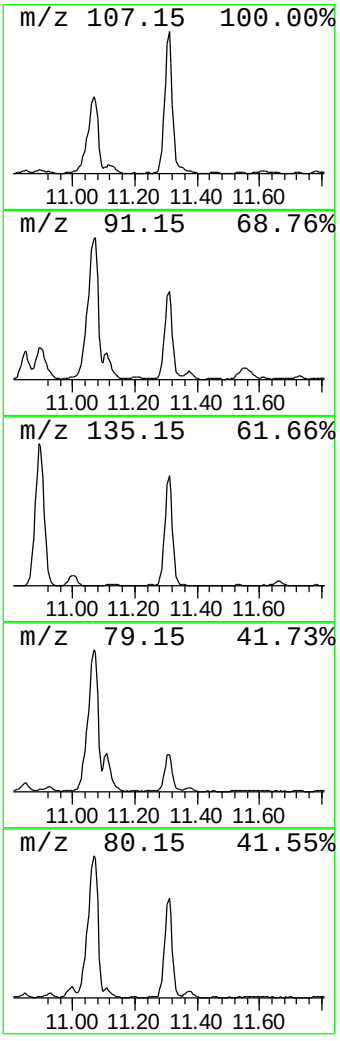
****

Peak Number 13 Bicyclo[3.1.1]hept-3-en-2-o... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	46.38 ng	2026130	Naphthalene-d8	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]hept-3-en-2-one, 4...	150	C10H14O	001196-01-6	98
2	Bicyclo[3.1.1]hept-3-en-2-one, 4...	150	C10H14O	000080-57-9	93
3	D-Verbenone	150	C10H14O	018309-32-5	58
4	2,4-Cycloheptadien-1-one, 2,6,6-...	150	C10H14O	000503-93-5	49
5	1,3-Cyclopentadiene, 1,2,5,5-tet...	122	C9H14	004249-12-1	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

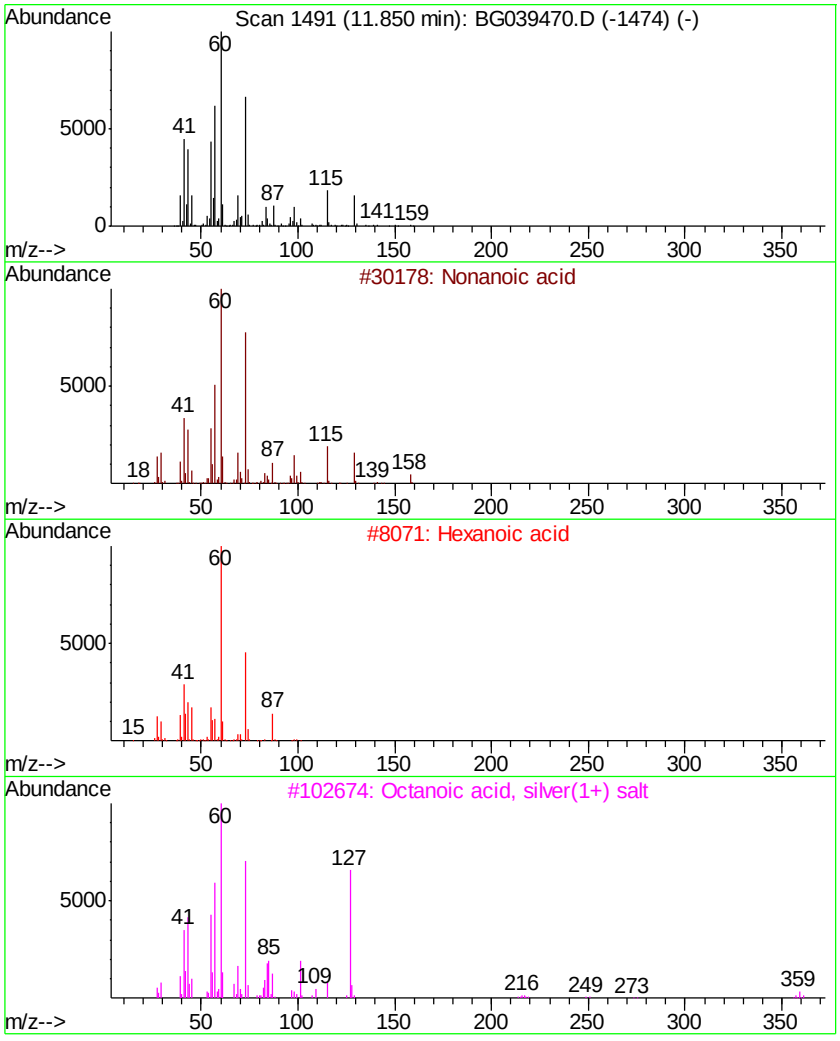
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

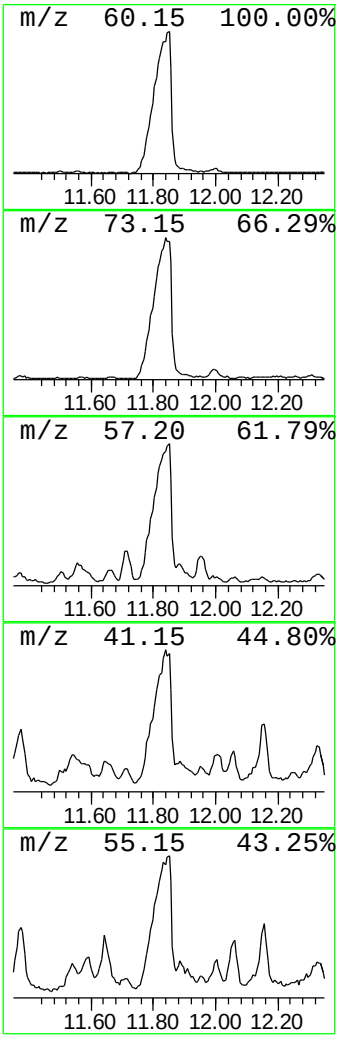
****

Peak Number 14 Octanoic acid, silver(1+) salt Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	50.35 ng	2199480	Naphthalene-d8	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanoic acid	158	C9H18O2	000112-05-0	64
2	Hexanoic acid	116	C6H12O2	000142-62-1	59
3	Octanoic acid, silver(1+) salt	250	C8H15AgO2	024927-67-1	58
4	Heptanoic acid	130	C7H14O2	000111-14-8	53
5	Octanoic acid	144	C8H16O2	000124-07-2	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

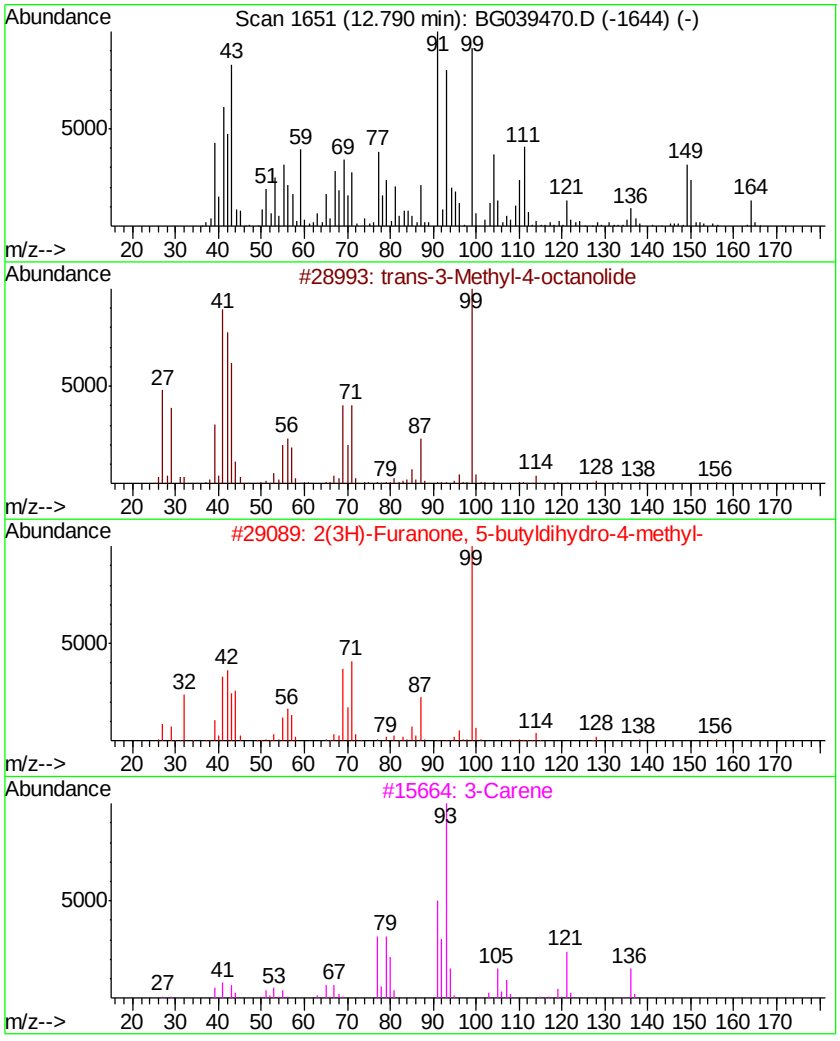
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

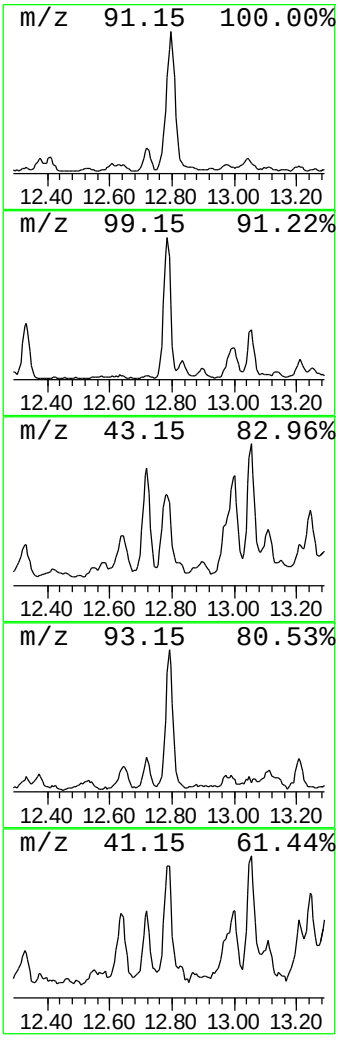
****

Peak Number 15 trans-3-Methyl-4-octanolide Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	38.46 ng	1680010	Naphthalene-d8	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-3-Methyl-4-octanolide	156	C9H16O2	039638-67-0	25
2	2(3H)-Furanone, 5-butyldihydro-4...	156	C9H16O2	039212-23-2	25
3	3-Carene	136	C10H16	013466-78-9	11
4	.alpha.-Pinene	136	C10H16	000080-56-8	11
5	Camphene	136	C10H16	000079-92-5	11





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

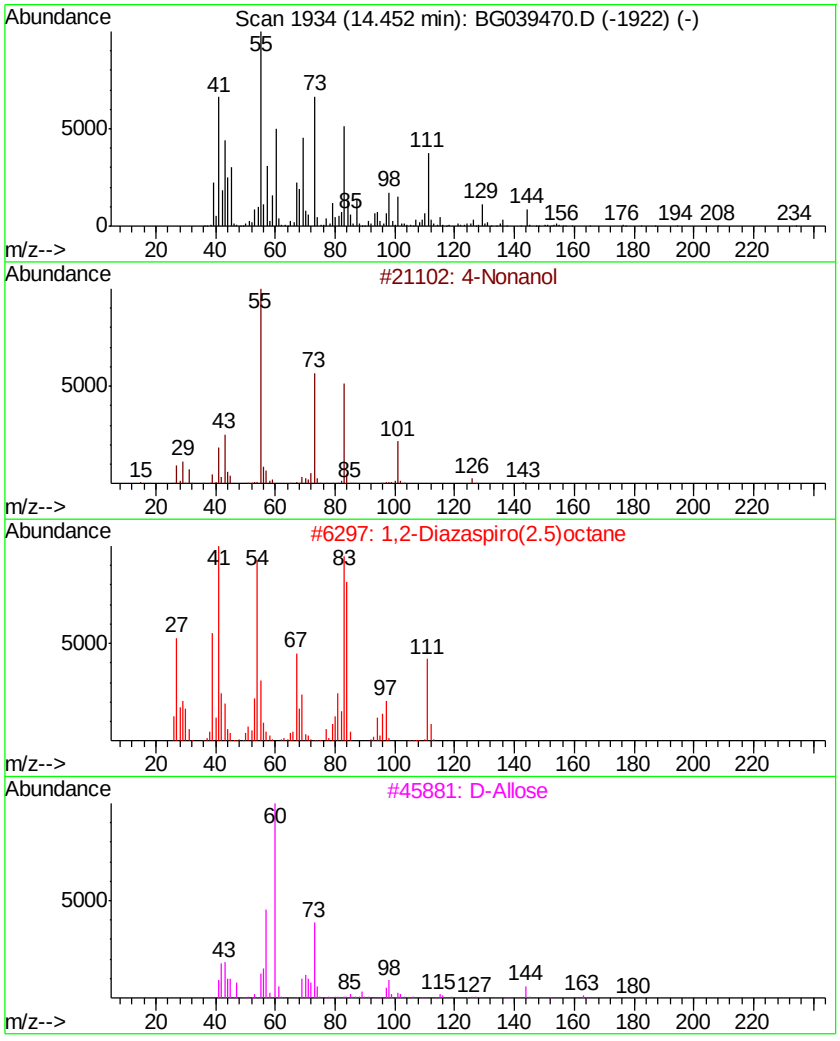
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

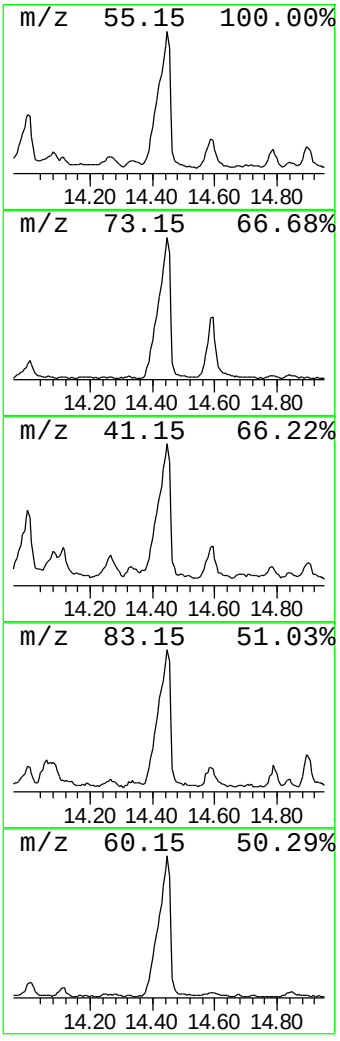
****

Peak Number 16 4-Nonanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	53.86 ng	3486480	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonanol	144	C9H20O	005932-79-6	22
2	1,2-Diazaspiro(2.5)octane	112	C6H12N2	000185-79-5	22
3	D-Allose	180	C6H12O6	002595-97-3	22
4	1-Pentene, 3-ethyl-3-methyl-	112	C8H16	006196-60-7	18
5	3-Heptene, 3-methyl-	112	C8H16	007300-03-0	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

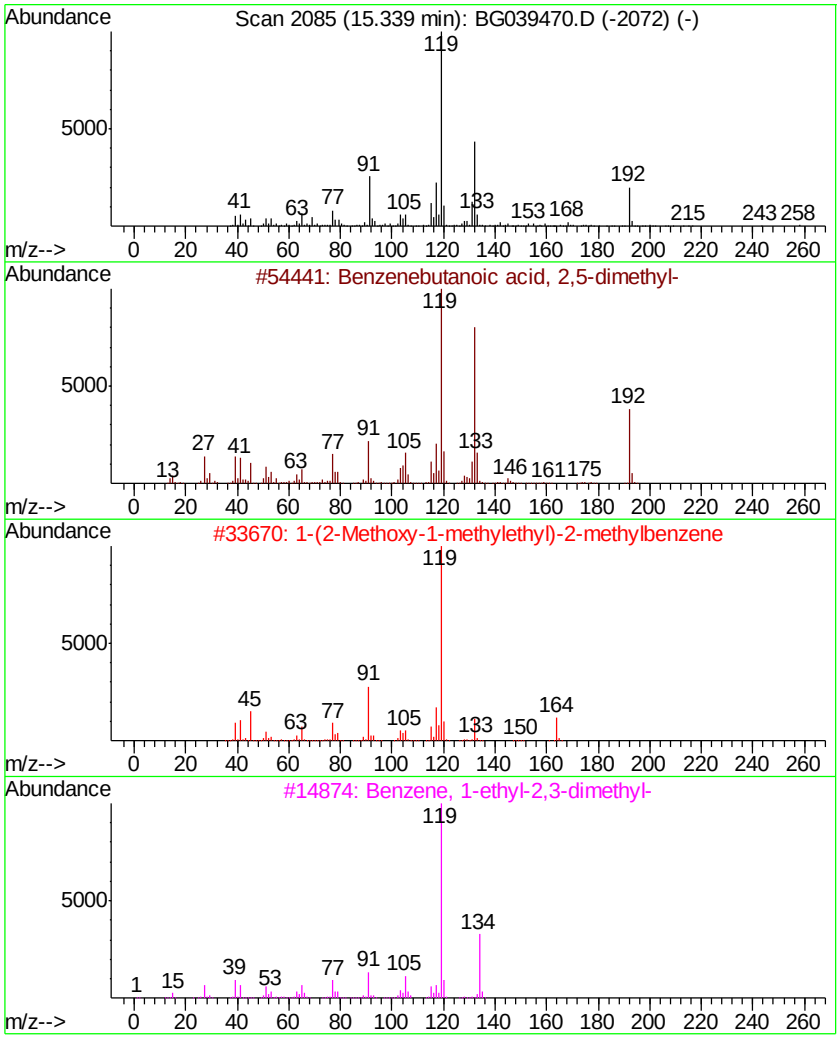
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

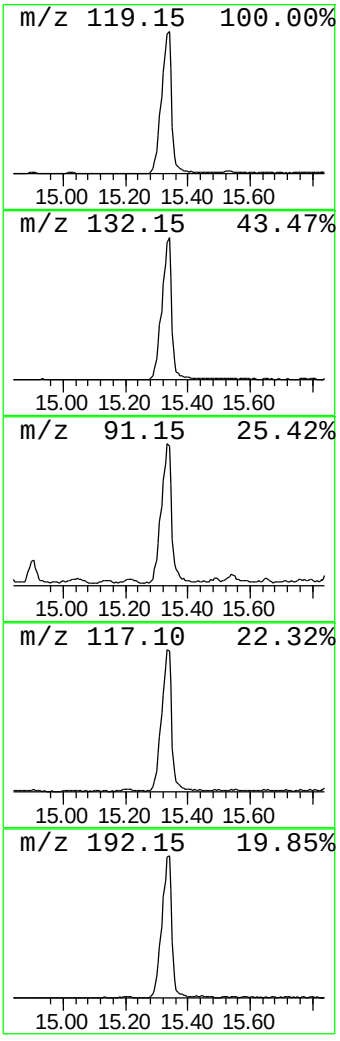
****

Peak Number 17 Benzenebutanoic acid, 2,5-d... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	64.56 ng	4179330	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenebutanoic acid, 2,5-dimethyl-	192	C12H16O2	001453-06-1	49
2	1-(2-Methoxy-1-methylethyl)-2-me...	164	C11H16O	1000210-02-1	47
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	46
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	43
5	Ethyl 3,5-dimethylphenylacetate	192	C12H16O2	105337-18-6	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

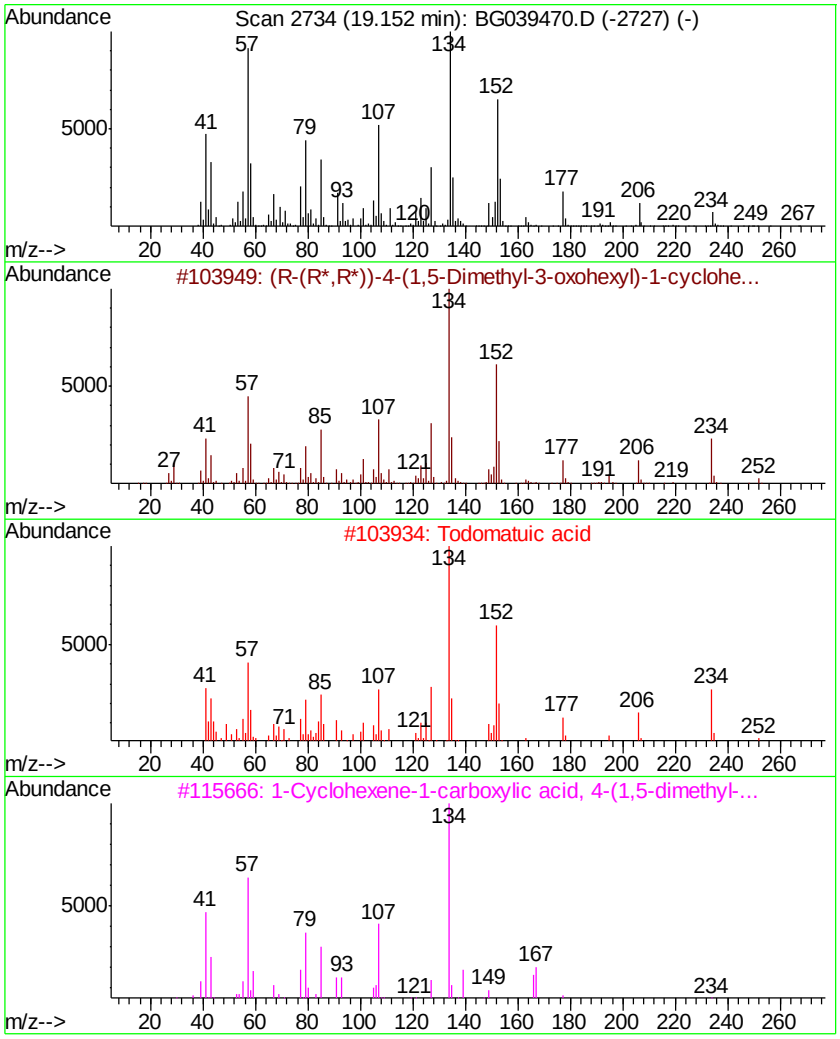
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

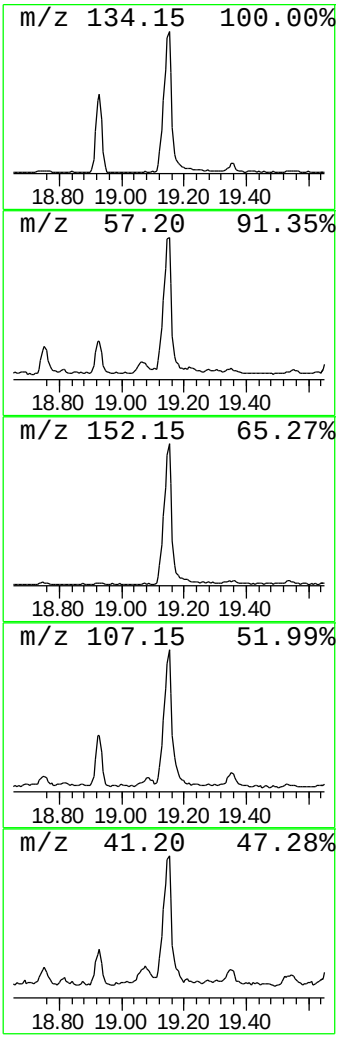
****

Peak Number 18 (R-(R*,R*))-4-(1,5-Dimethyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	42.18 ng	3091730	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(R-(R*,R*))-4-(1,5-Dimethyl-3-ox...	252	C15H24O3	006753-22-6	72
2	Todomatuic acid	252	C15H24O3	017844-07-4	59
3	1-Cyclohexene-1-carboxylic acid,...	266	C16H26O3	026462-72-6	40
4	Benzoic acid, 2-amino-3-hydroxy-	153	C7H7NO3	000548-93-6	35
5	2-Benzoxazolamine	134	C7H6N2O	004570-41-6	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

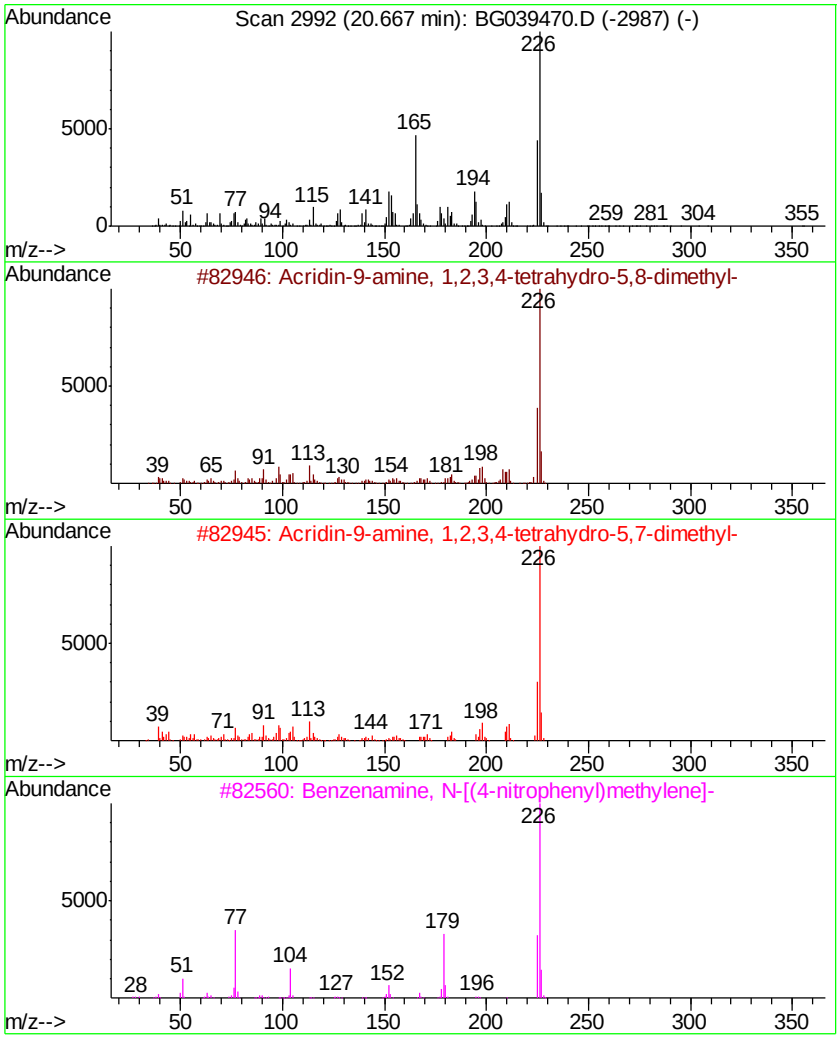
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

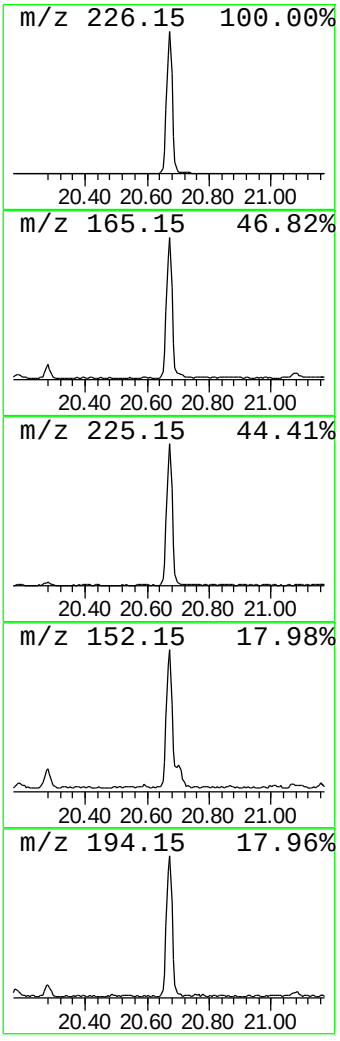
****

Peak Number 19 Acridin-9-amine, 1,2,3,4-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	37.66 ng	2390650	Chrysene-d12	21.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	70
2	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	49
3	Benzenamine, N-[(4-nitrophenyl)m...	226	C13H10N2O2	000785-80-8	46
4	1-Ethyl-4-methoxy-9H-pyrido[3,4-...	226	C14H14N2O	026585-14-8	43
5	4'-Methoxy-2-hydroxystilbene	226	C15H14O2	1000147-93-1	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

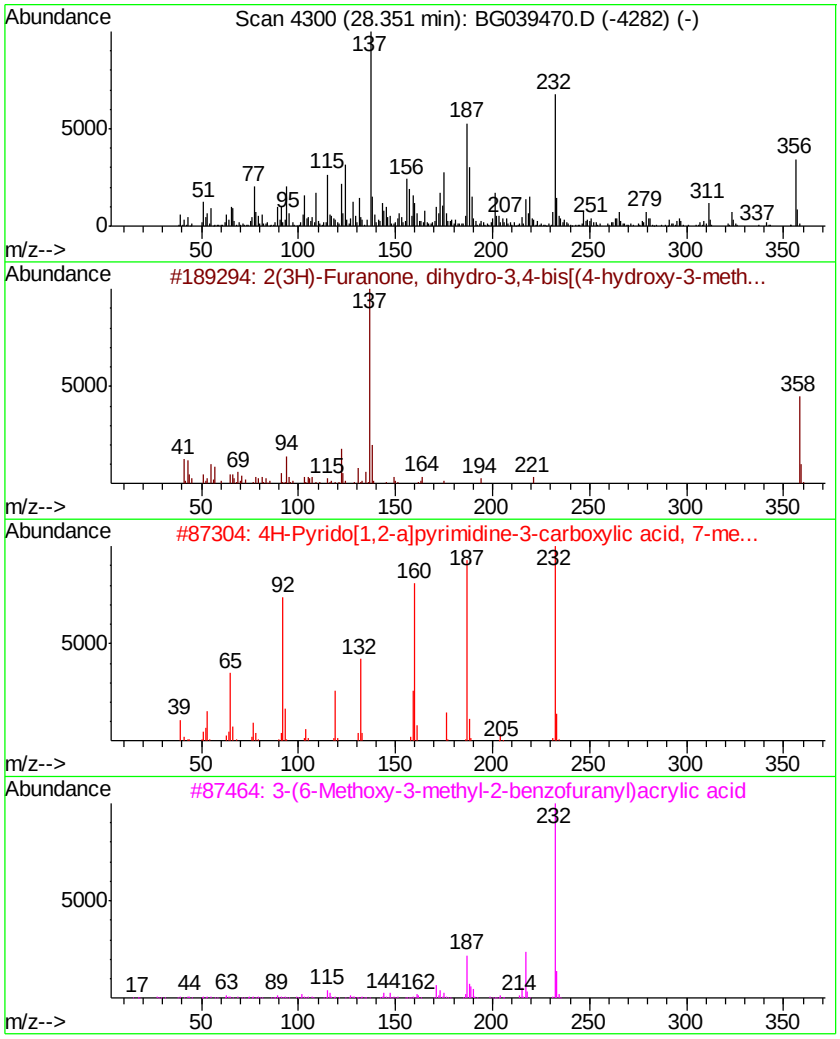
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

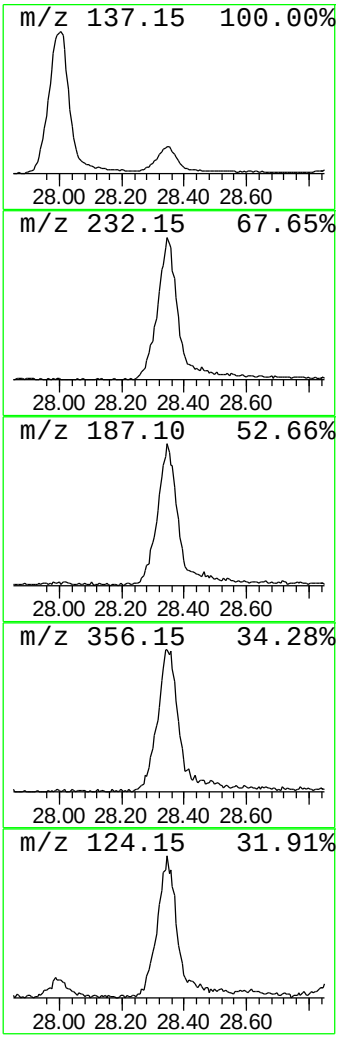
****

Peak Number 20 2(3H)-Furanone, dihydro-3,4... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.35	36.03 ng	2746480	Perylene-d12	25.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, dihydro-3,4-bis[...	358	C20H22O6	000580-72-3	35
2	4H-Pyrido[1,2-a]pyrimidine-3-car...	232	C12H12N2O3	005435-82-5	35
3	3-(6-Methoxy-3-methyl-2-benzofur...	232	C13H12O4	010410-32-9	30
4	8-[.gamma.-Hydroxypropylamino]-6...	232	C13H16N2O2	1000256-89-5	20
5	2-Methyl-3-ethoxycarbonylquinoxa...	232	C12H12N2O3	094098-94-9	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
Data File : BG039470.D
Acq On : 12 Feb 2019 19:13
Operator : JU/SJ
Sample : K1461-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : TEST-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.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
Hexanal	4.69	45.1	ng	1025240	1	8.17	455061	20.0
1-Hexanol	5.63	43.3	ng	984029	1	8.17	455061	20.0
Ethanol, 2-butoxy-	6.22	44.6	ng	1015660	1	8.17	455061	20.0
3,4-Dihydroxy-5-m...	7.24	54.0	ng	1227450	1	8.17	455061	20.0
n-Caproic acid vi...	8.78	54.2	ng	1232800	1	8.17	455061	20.0
Nonanoic acid	8.88	56.0	ng	1274770	1	8.17	455061	20.0
Bicyclo[2.2.1]hep...	9.90	39.4	ng	1719410	2	11.00	873645	20.0
Verbenol	10.29	37.7	ng	1647880	2	11.00	873645	20.0
endo-Borneol	10.77	94.1	ng	4110620	2	11.00	873645	20.0
Terpinen-4-ol	10.85	52.9	ng	2312600	2	11.00	873645	20.0
Benzenemethanol, ...	10.90	40.4	ng	1766290	2	11.00	873645	20.0
L-.alpha.-Terpineol	11.07	397.2	ng	17349200	2	11.00	873645	20.0
Bicyclo[3.1.1]hep...	11.31	46.4	ng	2026130	2	11.00	873645	20.0
Octanoic acid, si...	11.85	50.4	ng	2199480	2	11.00	873645	20.0
trans-3-Methyl-4-...	12.79	38.5	ng	1680010	2	11.00	873645	20.0
4-Nonanol	14.45	53.9	ng	3486480	3	14.80	1294650	20.0
Benzenebutanoic a...	15.34	64.6	ng	4179330	3	14.80	1294650	20.0
(R-(R*,R*))-4-(1,...	19.15	42.2	ng	3091730	4	17.54	1466010	20.0
Acridin-9-amine, ...	20.67	37.7	ng	2390650	5	21.84	1269740	20.0
2(3H)-Furanone, d...	28.35	36.0	ng	2746480	6	25.23	1524750	20.0