LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022717\
Data File : BG025973.D
Acq On : 27 Feb 2017 21:09
Operator : SJ/MA
Sample : I2011-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

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_G\METHODS\8270-BG021717.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	4.265	150	158	170	rBV	1352690	2157889	4.81%	0.271%
2	5.722	400	406	425	rVB	2210774	4882645	10.89%	0.613%
3	6.099	464	470	480	rVB4	4080916	8341163	18.61%	1.048%
4	7.074	626	636	642	rBV3	1796790	4223685	9.42%	0.530%
5	7.133	642	646	649	rVV	1520237	2312969	5.16%	0.291%
6	7.174	649	653	658	rVV	2572034	4221412	9.42%	0.530%
7	7.238	658	664	670	rVV3	2977606	6077537	13.56%	0.763%
8	7.303	670	675	683	rVB	1706316	2845212	6.35%	0.357%
9	7.473	699	704	709	rBV	1583728	2462861	5.49%	0.309%
10	7.609	723	727	732	rVB	1581033	2471139	5.51%	0.310%
11	7.720	739	746	754	rVB2	10554811	23371987	52.14%	2.936%
12	7.996	786	793	799	rBV4	752607	2181141	4.87%	0.274%
13	8.067	799	805	811	rVB2	3855976	6504676	14.51%	0.817%
14	8.202	824	828	836	rVB2	2191981	3991417	8.90%	0.501%
15	8.384	854	859	861	rBV2	1322950	2235942	4.99%	0.281%
16	8.625	894	900	905	rBV2	3057538	5985364	13.35%	0.752%
17	8.678	905	909	913	rVB	1999059	2766761	6.17%	0.348%
18	8.725	913	917	919	rBV2	3308714	5177375	11.55%	0.650%
19	8.854	932	939	943	rBV	3719372	6424908	14.33%	0.807%
20	9.042	966	971	975	rBV	1451186	2333740	5.21%	0.293%
21	9.089	975	979	987	rVB	2151903	4081617	9.11%	0.513%
22	9.195	987	997	1001	rBV2	4411389	10182162	22.71%	1.279%
23	9.336	1008	1021	1029	rVB	15594169	37672761	84.04%	4.732%
24	9.448	1036	1040	1046	rVB5	2526729	5131787	11.45%	0.645%
25	9.530	1048	1054	1056	rBV	1368628	2575647	5.75%	0.324%
26	9.671	1070	1078	1082	rBV4	1062049	2739529	6.11%	0.344%
27	9.735	1082	1089	1092	rBV2	2492486	5214462	11.63%	0.655%
28	9.777	1092	1096	1100	rVB	1957763	2788147	6.22%	0.350%
29	9.976	1121	1130	1133	rBV3	1871484	4238489	9.46%	0.532%
30	10.023	1133	1138	1142	rVB2	3118086	5096254	11.37%	0.640%
31	10.082	1142	1148	1154	rBV4	3010685	6085273	13.58%	0.764%
32	10.147	1154	1159	1160	rBV2	2809417	4088370	9.12%	0.514%
33	10.241	1168	1175	1179	rBV2	5176803	8782820	19.59%	1.103%
34	10.317	1179	1188	1192	rBV3	5066766	13469628	30.05%	1.692%

LSC Area Percent Report

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Operator : SJ/MA
Sample : I2011-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

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_G\METHODS\8270-BG021717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.423	1200	1206	1211	rBV2	4531050	8199935	18.29%	1.030%
36	10.476	1211	1215	1219	rVV4	2128824	3823266	8.53%	0.480%
37	10.523	1219	1223	1229	rVB	1830620	3320744	7.41%	0.417%
38	10.593	1230	1235	1238	rBV	1519317	2582270	5.76%	0.324%
39	10.758	1258	1263	1265	rBV2	1376513	2227477	4.97%	0.280%
40	10.793	1265	1269	1275	rVV3	2018496	4958631	11.06%	0.623%
41	10.887	1275	1285	1289	rVV2	17914118	44826881	100.00%	5.630%
42	10.940	1289	1294	1302	rVV5	3241579	8393896	18.73%	1.054%
43	11.010	1302	1306	1309	rVV3	2174849	3795262	8.47%	0.477%
44	11.057	1309	1314	1319	rVB	7768340	13457176	30.02%	1.690%
45	11.116	1319	1324	1331	rBV4	2418719	4731560	10.56%	0.594%
46	11.181	1332	1335	1341	rVB6	1531090	2772276	6.18%	0.348%
47	11.269	1345	1350	1353	rBV4	1217976	2480384	5.53%	0.312%
48	11.469	1377	1384	1388	rBV5	1209661	2803096	6.25%	0.352%
49	11.557	1395	1399	1401	rBV2	1660122	2641428	5.89%	0.332%
50	11.598	1401	1406	1413	rVV6	4772697	12325243	27.50%	1.548%
51	11.657	1413	1416	1423	rVB3	3130818	5254632	11.72%	0.660%
52	11.727	1423	1428	1434	rBV3	5325450	8805841	19.64%	1.106%
53	11.809	1434	1442	1448	rBV3	6623326	13227165	29.51%	1.661%
54	11.921	1454	1461	1465	rBV	9611841	18674165	41.66%	2.345%
55	11.997	1470	1474	1479	rVB3	2052063	3836994	8.56%	0.482%
56	12.080	1483	1488	1495	rVB3	3972900	7447779	16.61%	0.935%
57	12.327	1520	1530	1534	rBV	17568386	39310063	87.69%	4.937%
58	12.526	1557	1564	1571	rVB3	5791595	16047674	35.80%	2.016%
59	12.755	1597	1603	1606	rBV2	3309284	6784741	15.14%	0.852%
60	12.926	1628	1632	1636	rBV	3717535	5440980	12.14%	0.683%
61	12.967	1636	1639	1642	rBV3	2412376	4008885	8.94%	0.504%
62	13.032	1647	1650	1654	rVV2	3509784	5185440	11.57%	0.651%
63	13.102	1658	1662	1669	rVB	4947029	7849327	17.51%	0.986%
64	13.190	1673	1677	1682	rVV2	4111598	6609575	14.74%	0.830%
65	13.249	1682	1687	1692	rVB3	9645996	14743733	32.89%	1.852%
66	13.319	1695	1699	1706	rVB2	3982115	6060582	13.52%	0.761%
67	13.549	1727	1738	1743	rBV	17373947	39781889	88.75%	4.997%
68	13.625	1747	1751	1752	rBV2	1951711	2603408	5.81%	0.327%
69	13.695	1759	1763	1766	rVB3	2112345	2914760	6.50%	0.366%
70	13.860	1787	1791	1798	rVB2	2169738	4528156	10.10%	0.569%
71	14.030	1807	1820	1823	rBV4	3990010	13785215	30.75%	1.731%

LSC Area Percent Report

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Misc :
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Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

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
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Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.154	1834	1841	1842	rBV6	4326088	6919535	15.44%	0.869%
73	14.183	1842	1846	1849	rVV	7989484	11773026	26.26%	1.479%
74	14.218	1849	1852	1856	rVB2	4240491	4996564	11.15%	0.628%
75	14.295	1861	1865	1869	rVB3	3739679	5710586	12.74%	0.717%
76	14.536	1902	1906	1910	rVB3	2006747	3073597	6.86%	0.386%
77	14.600	1910	1917	1921	rBV	17333701	30198764	67.37%	3.793%
78	14.665	1924	1928	1938	rVV6	3339459	8119773	18.11%	1.020%
79	14.912	1965	1970	1976	rVB4	1681707	4354701	9.71%	0.547%
80	15.023	1985	1989	1991	rBV3	2187106	3277391	7.31%	0.412%
81	15.082	1996	1999	2005	rVB	3402871	5097883	11.37%	0.640%
82	15.200	2016	2019	2026	rVB3	3932956	7069254	15.77%	0.888%
83	15.305	2034	2037	2041	rBV2	1299566	2140328	4.77%	0.269%
84	15.540	2071	2077	2081	rVB	14057002	21422383	47.79%	2.691%
85	15.634	2089	2093	2102	rVB6	1687411	3763067	8.39%	0.473%
86	15.934	2141	2144	2149	rVB	4890971	6831954	15.24%	0.858%
87	16.022	2156	2159	2165	rVB4	1804671	2739352	6.11%	0.344%
88	16.081	2165	2169	2175	rBV2	1798441	3299702	7.36%	0.414%
89	16.146	2176	2180	2182	rBV2	2704381	3810157	8.50%	0.479%
90	16.392	2216	2222	2225	rBV	12321817	20494492	45.72%	2.574%
91	16.786	2286	2289	2293	rVB2	1968085	2539505	5.67%	0.319%
92	17.174	2350	2355	2360	rBV	9584303	13867442	30.94%	1.742%
93	17.227	2360	2364	2375	rVB	4651306	8788862	19.61%	1.104%
94	17.908	2475	2480	2485	rVB	8635580	11511847	25.68%	1.446%
95	18.596	2592	2597	2601	rBV	7478607	9211848	20.55%	1.157%
96	19.218	2698	2703	2707	rVB	5913892	7197933	16.06%	0.904%
97	19.788	2796	2800	2804	rVB	4512582	5038512	11.24%	0.633%
98	20.012	2833	2838	2843	rVB	5354192	7623686	17.01%	0.958%
99	20.311	2886	2889	2894	rVB	3225493	3737970	8.34%	0.469%
100	20.805	2969	2973	2977	rBV	1943774	2208520	4.93%	0.277%

Sum of corrected areas: 796175932

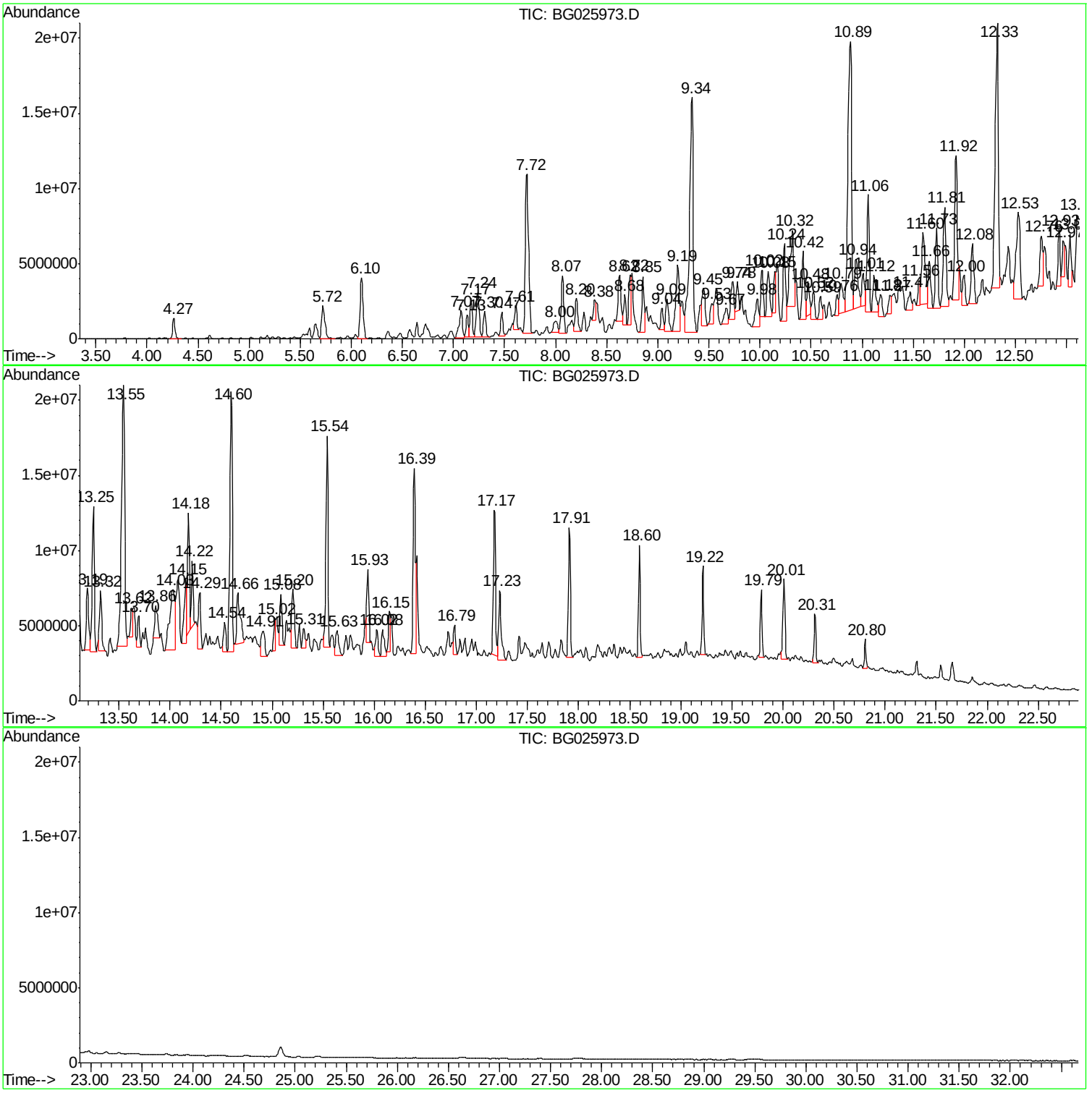
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022717\
Data File : BG025973.D
Acq On : 27 Feb 2017 21:09
Operator : SJ/MA
Sample : I2011-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022717\
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Acq On : 27 Feb 2017 21:09
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Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

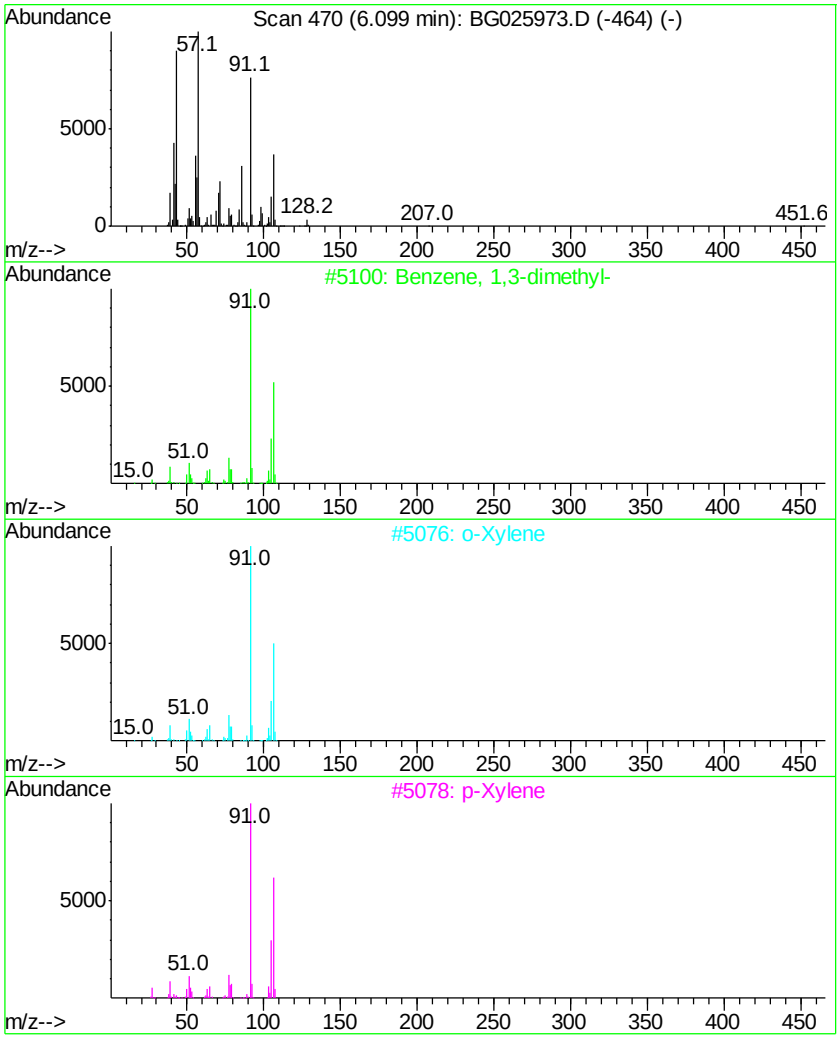
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

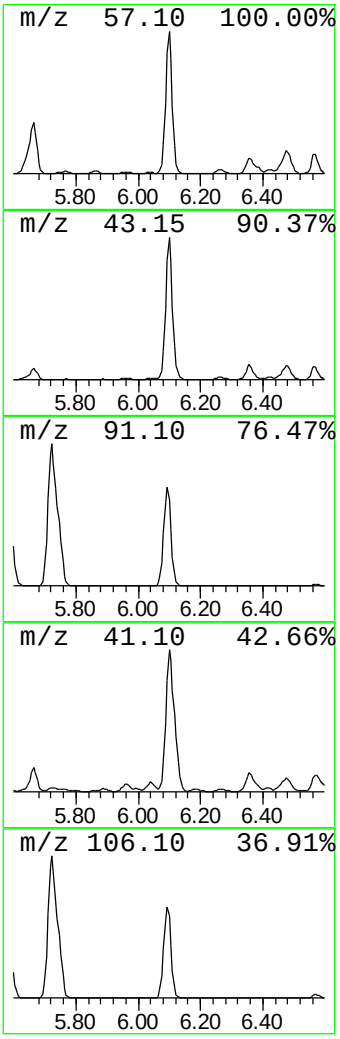
****

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	25.65 ng	8341160	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	68
2	o-Xylene	106	C8H10	000095-47-6	68
3	p-Xylene	106	C8H10	000106-42-3	68
4	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	43
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	38





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Sample : I2011-01
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Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

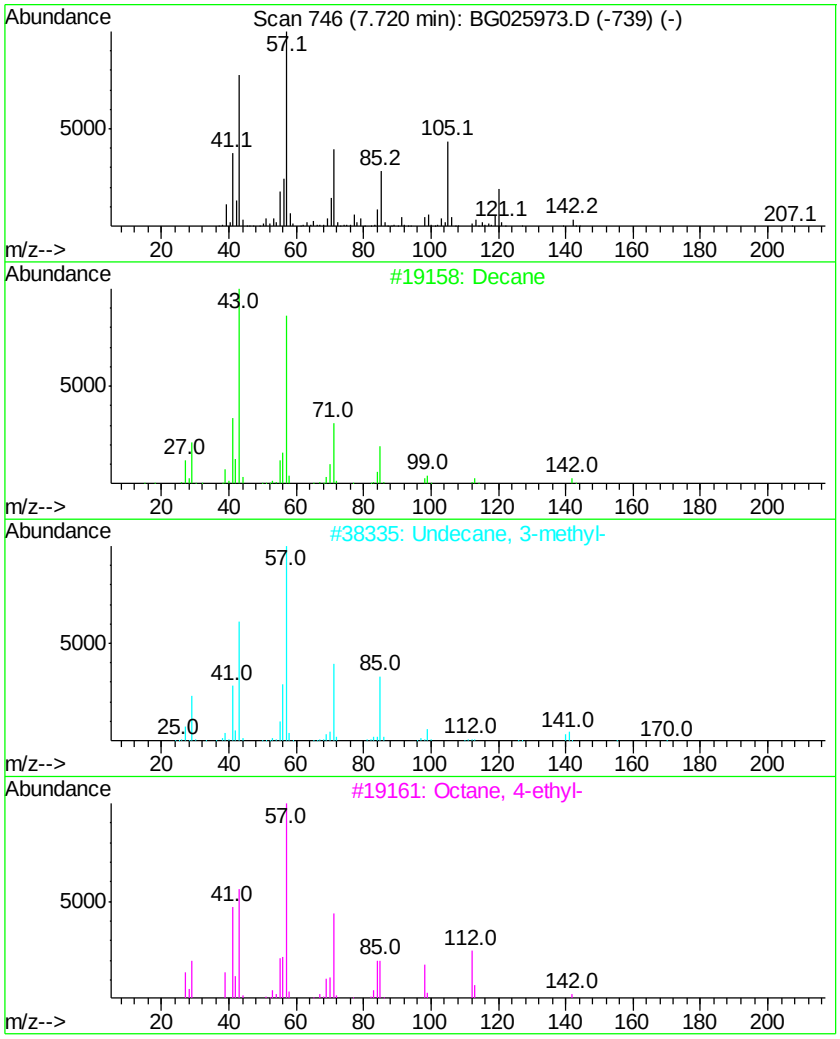
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

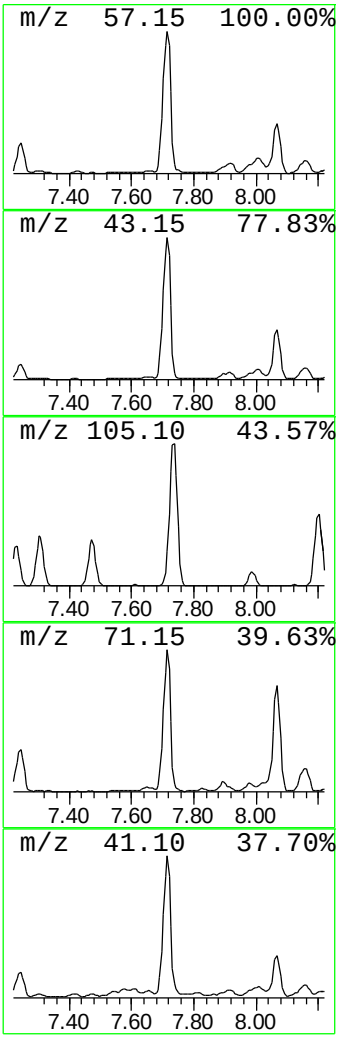
****

Peak Number 2 Decane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	71.86 ng	23372000	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	86
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	50
3	Octane, 4-ethyl-	142	C10H22	015869-86-0	49
4	Nonane, 2-methyl-	142	C10H22	000871-83-0	47
5	Tridecane	184	C13H28	000629-50-5	47





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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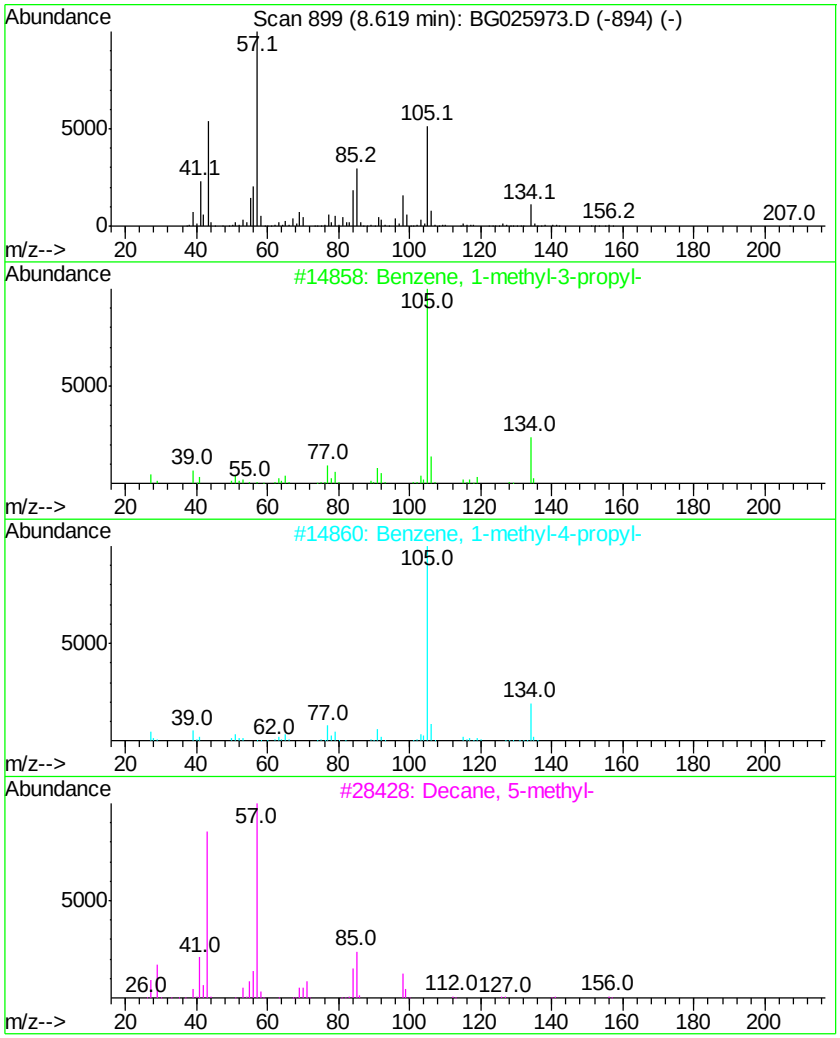
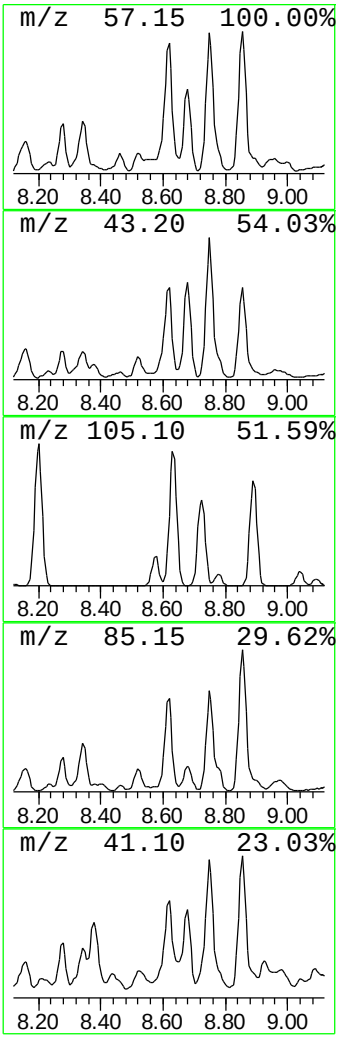
Peak Number 3 Benzene, 1-methyl-3-propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	18.40 ng	5985360	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	83
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	46
3	Decane, 5-methyl-	156	C11H24	013151-35-4	45
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	42
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	42





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Data File : BG025973.D
Acq On : 27 Feb 2017 21:09
Operator : SJ/MA
Sample : I2011-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

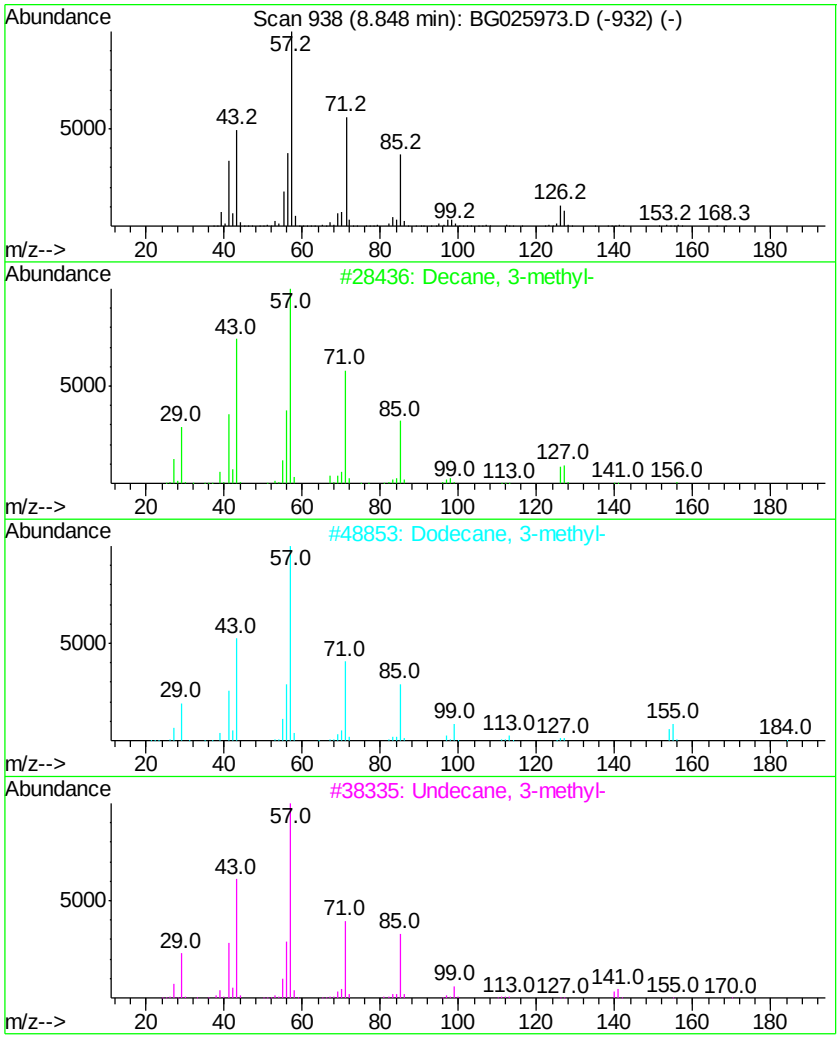
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

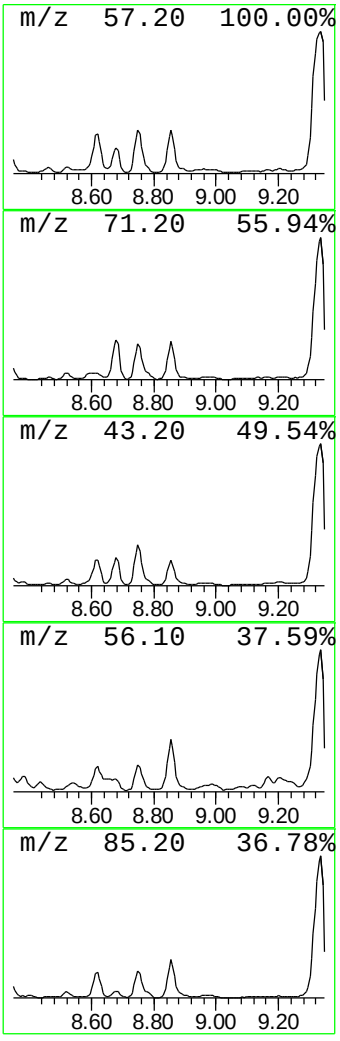
****

Peak Number 4 Decane, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	19.75 ng	6424910	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	94
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	72
4	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	59
5	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG022717\
Data File : BG025973.D
Acq On : 27 Feb 2017 21:09
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Sample : I2011-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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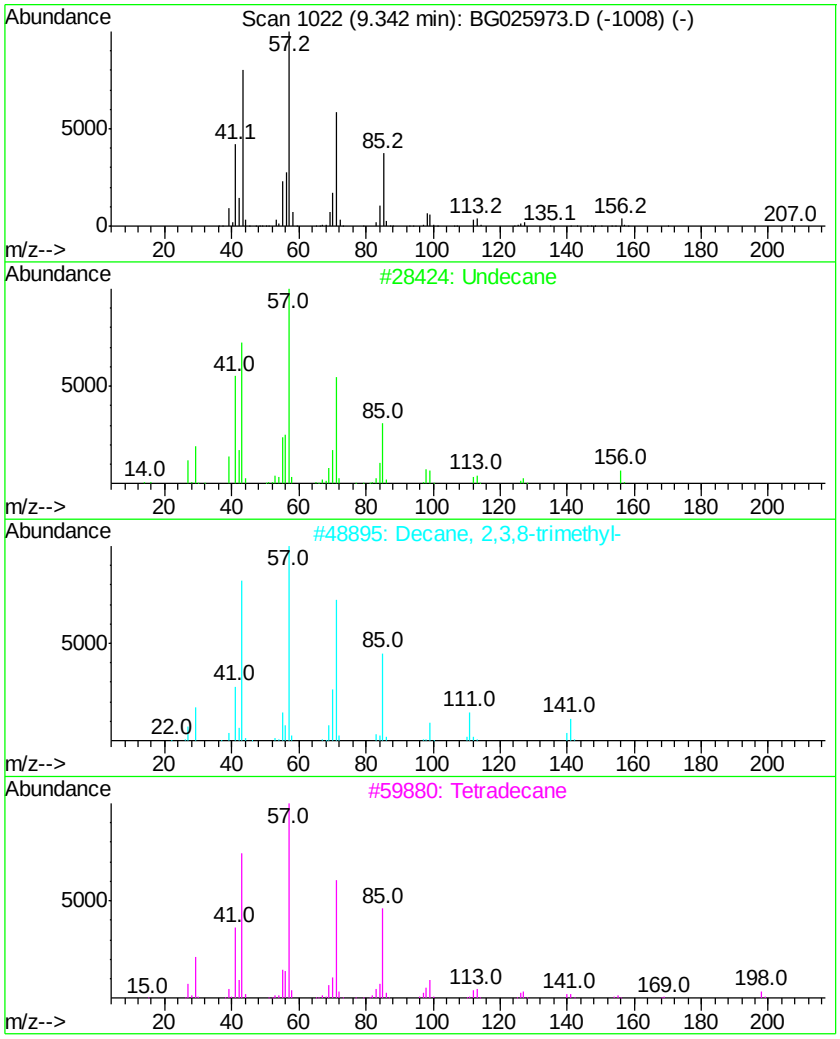
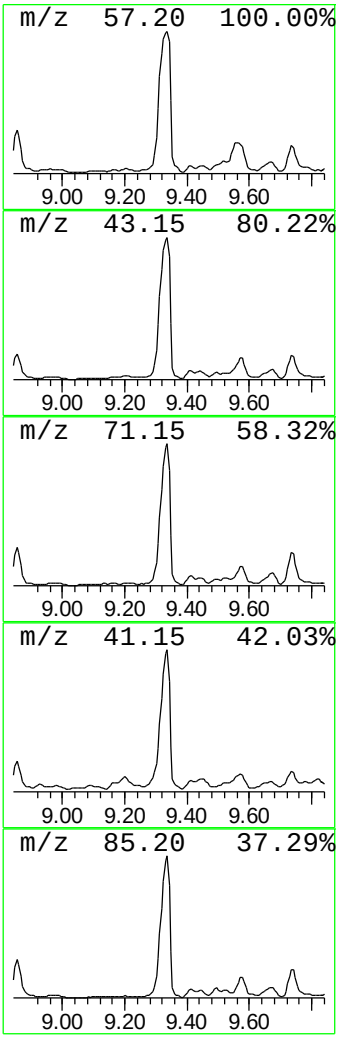
Peak Number 5 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	115.83 ng	37672800	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	64
3	Tetradecane	198	C14H30	000629-59-4	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022717\
Data File : BG025973.D
Acq On : 27 Feb 2017 21:09
Operator : SJ/MA
Sample : I2011-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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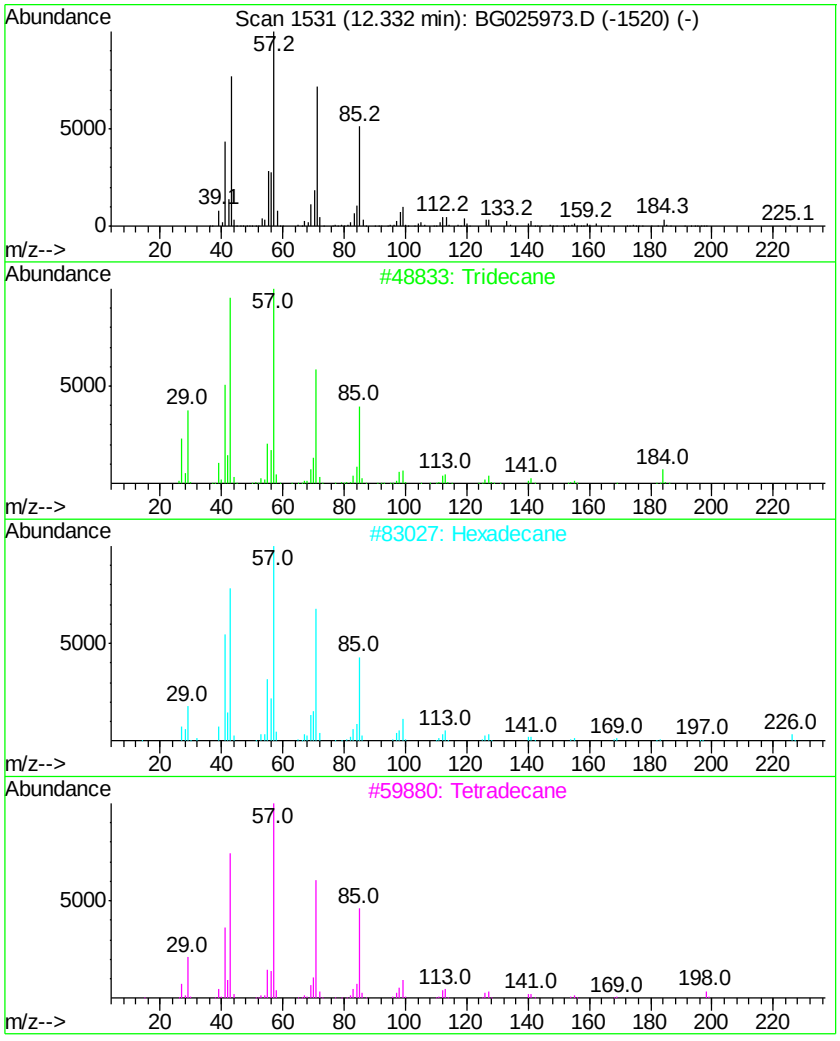
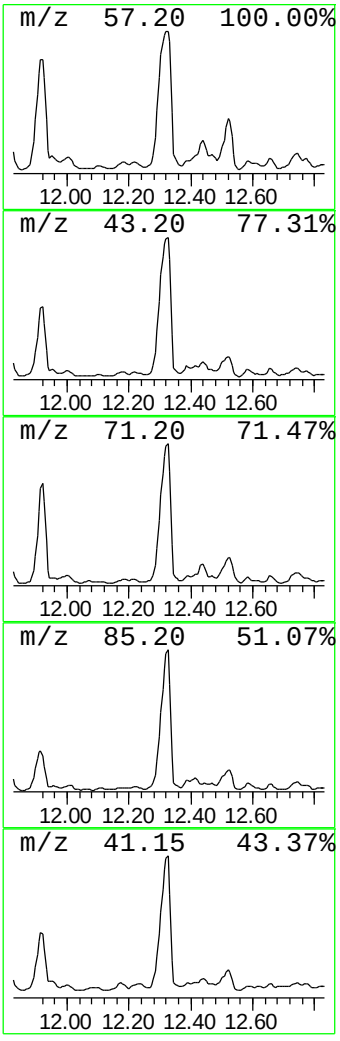
Peak Number 6 Tridecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	17.54 ng	39310100	Naphthalene-d8	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tetradecane	198	C14H30	000629-59-4	80
4	Dodecane	170	C12H26	000112-40-3	80
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	80





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Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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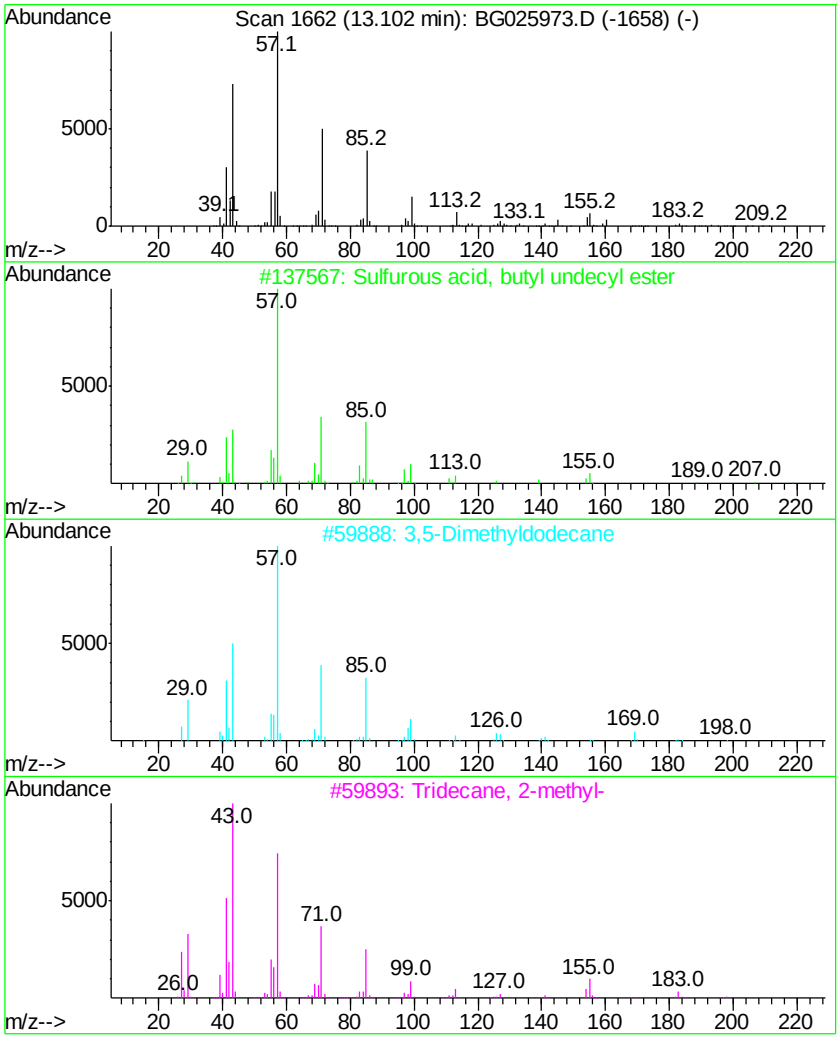
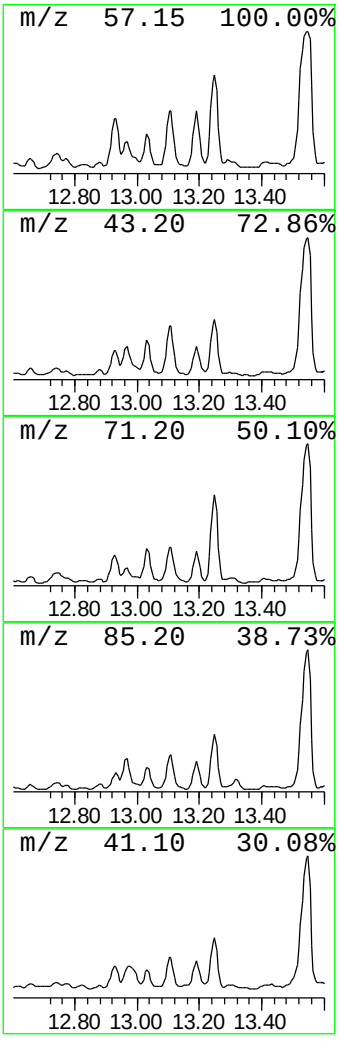
Peak Number 7 Sulfurous acid, butyl undec... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	19.33 ng	7849330	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	90
2	3,5-Dimethyldodecane	198	C14H30	107770-99-0	87
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	86
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	78
5	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	72





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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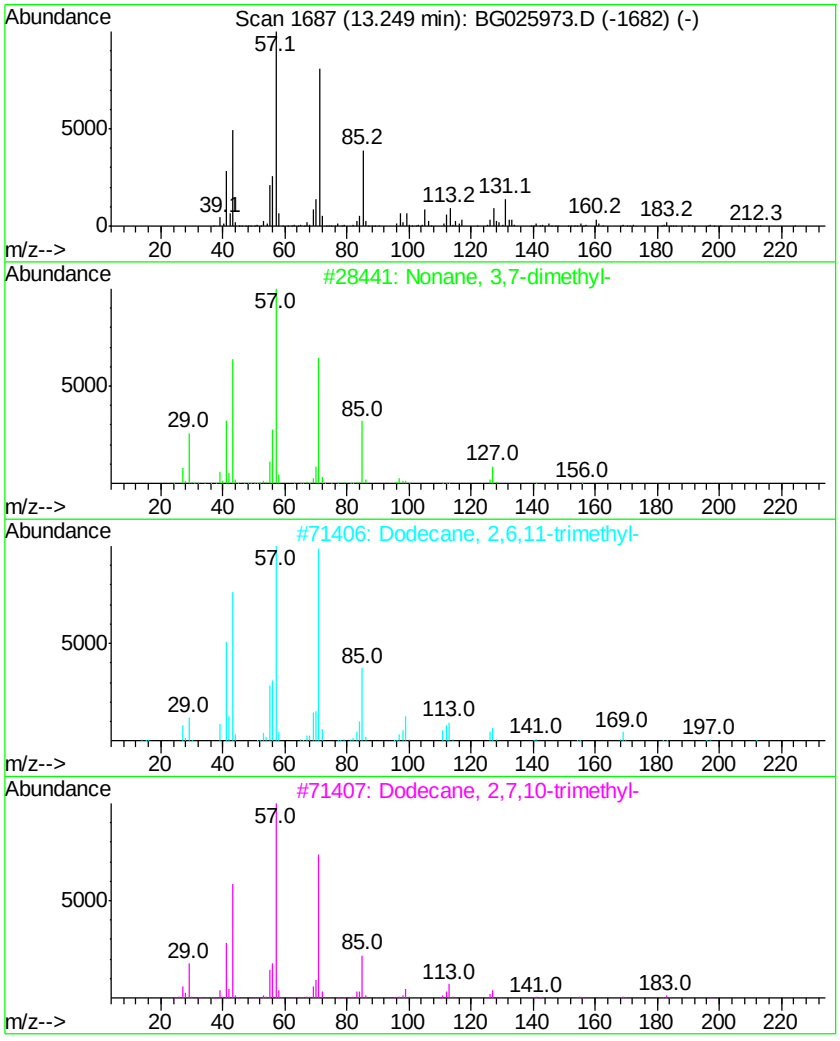
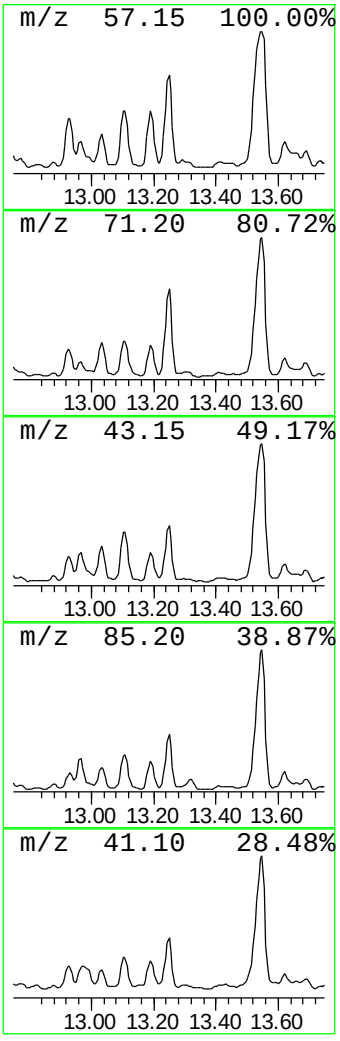
Peak Number 8 Nonane, 3,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	36.32 ng	14743700	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	91
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	64
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64





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Sample : I2011-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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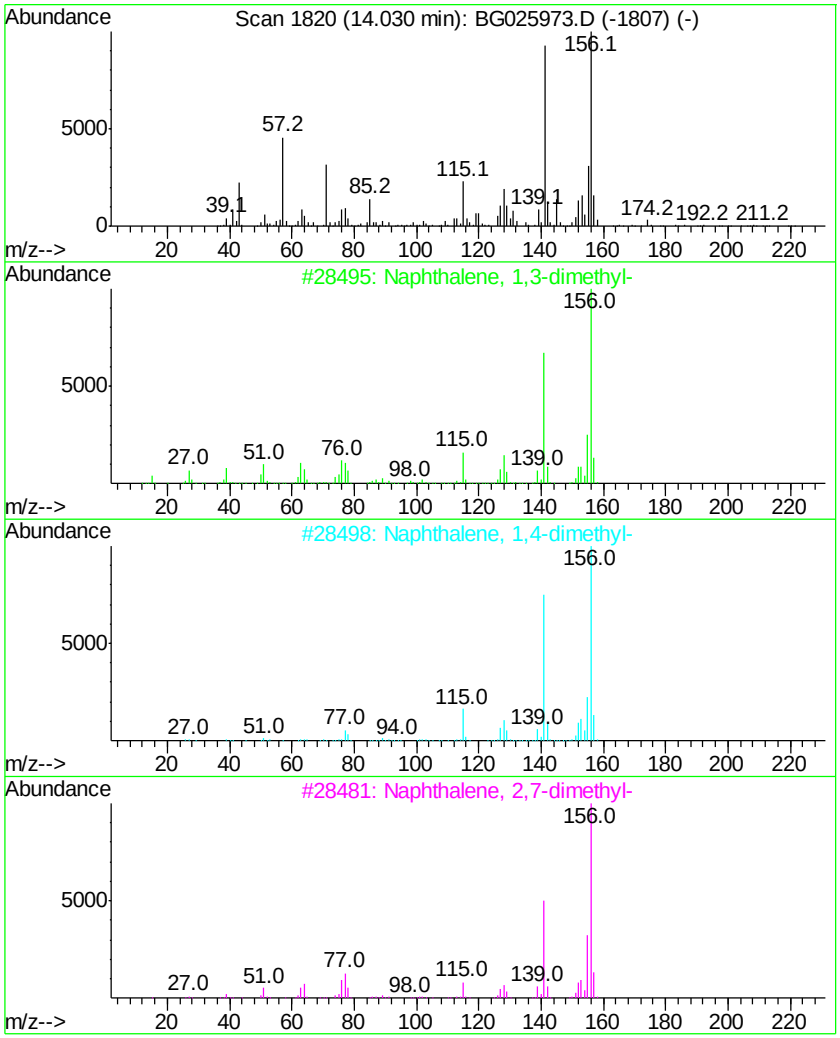
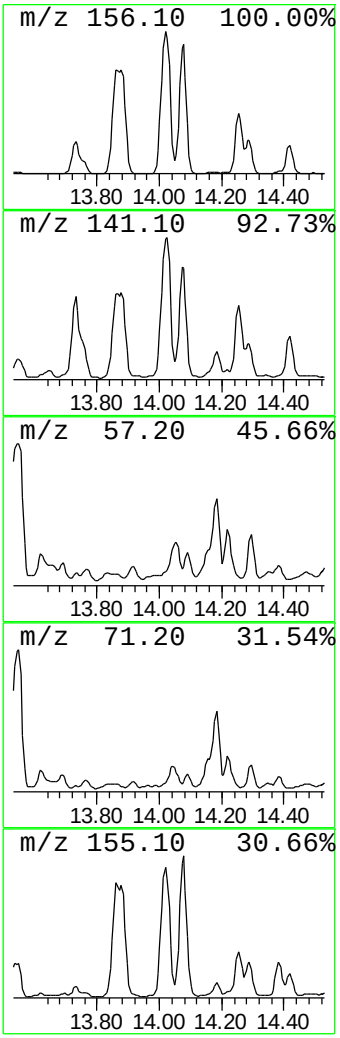
Peak Number 9 Naphthalene, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	33.95 ng	13785200	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





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Sample : I2011-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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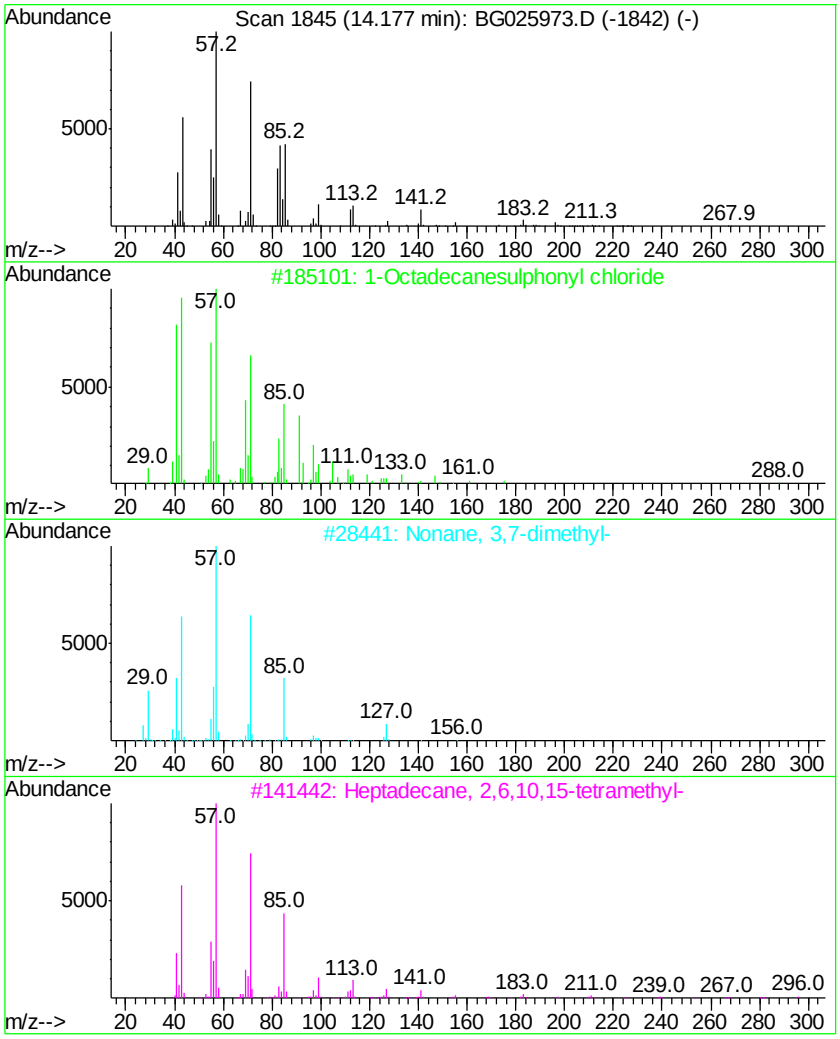
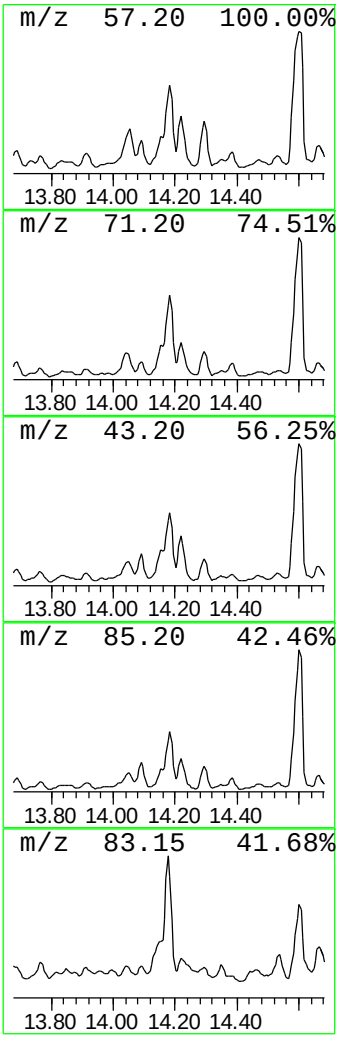
Peak Number 10 1-Octadecanesulphonyl chloride Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	29.00 ng	11773000	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	72
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	59
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	58
5	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	58





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Sample : I2011-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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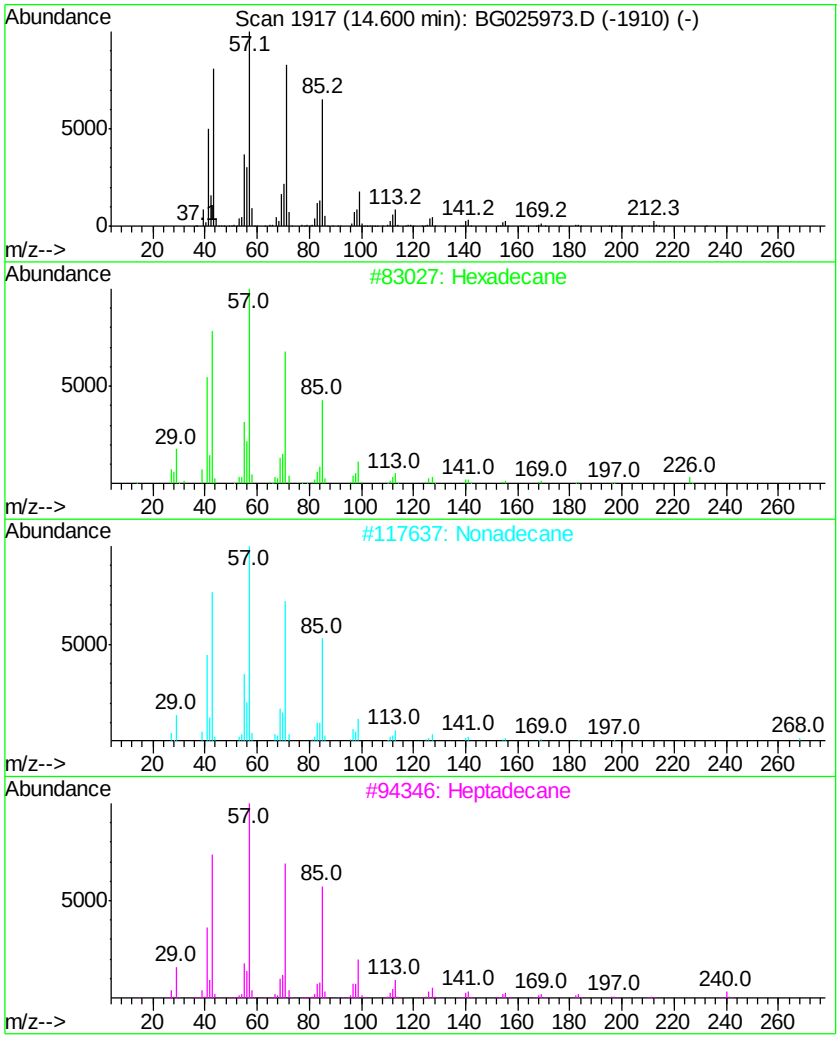
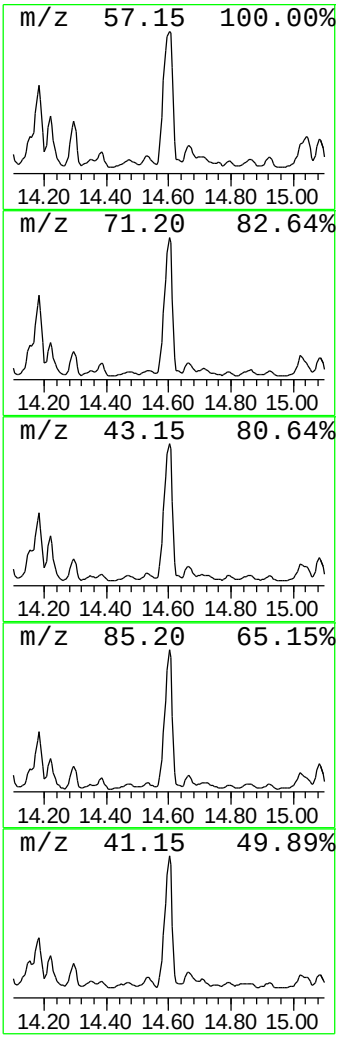
Peak Number 11 Hexadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	74.38 ng	30198800	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Nonadecane	268	C19H40	000629-92-5	91
3	Heptadecane	240	C17H36	000629-78-7	87
4	Pentadecane	212	C15H32	000629-62-9	87
5	Dodecane	170	C12H26	000112-40-3	86





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Sample : I2011-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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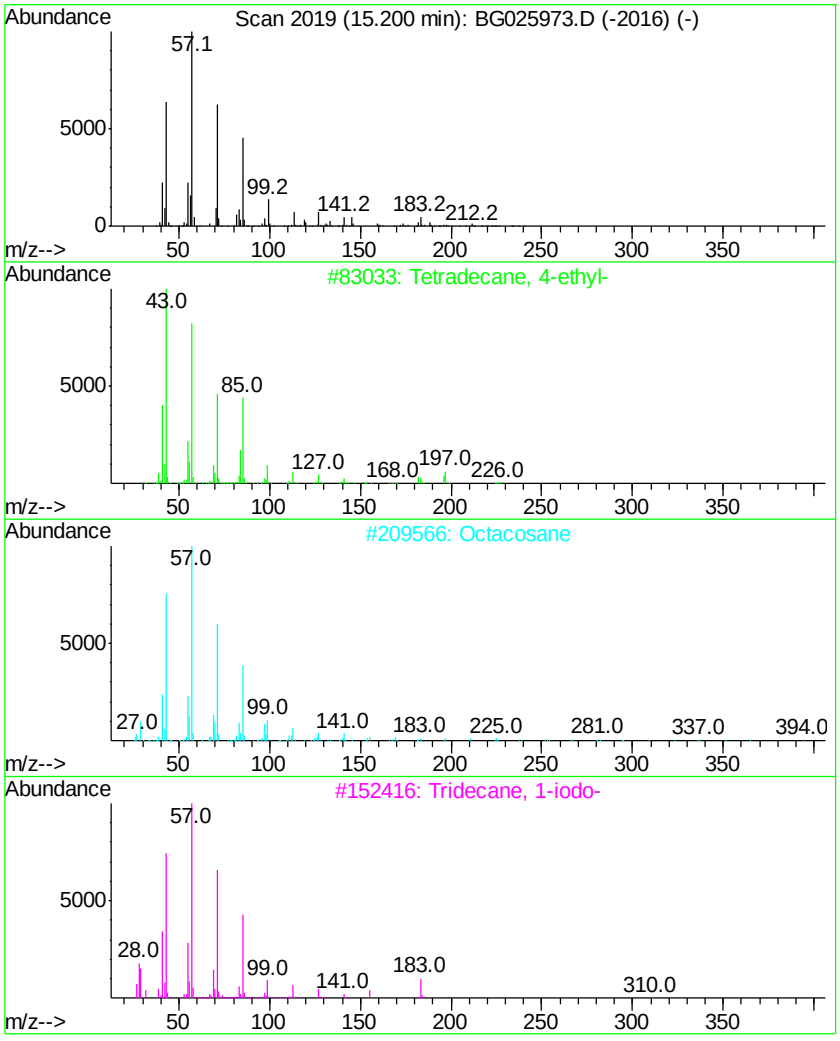
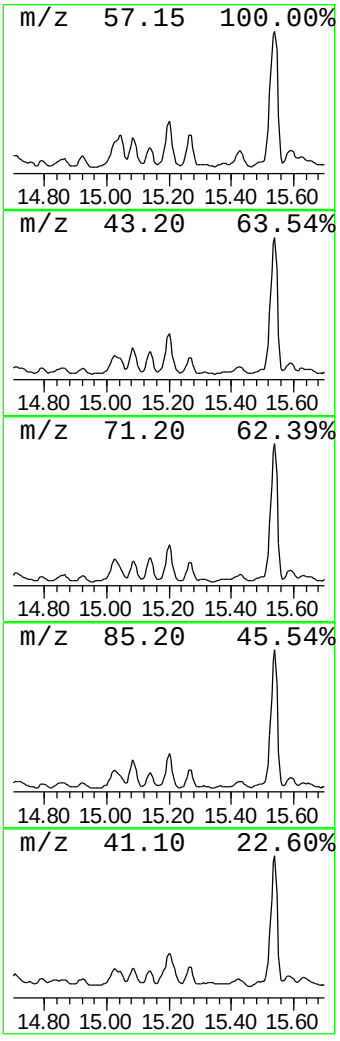
Peak Number 12 Tetradecane, 4-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	17.41 ng	7069250	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	91
2	Octacosane	394	C28H58	000630-02-4	86
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	83
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80





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Sample : I2011-01
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Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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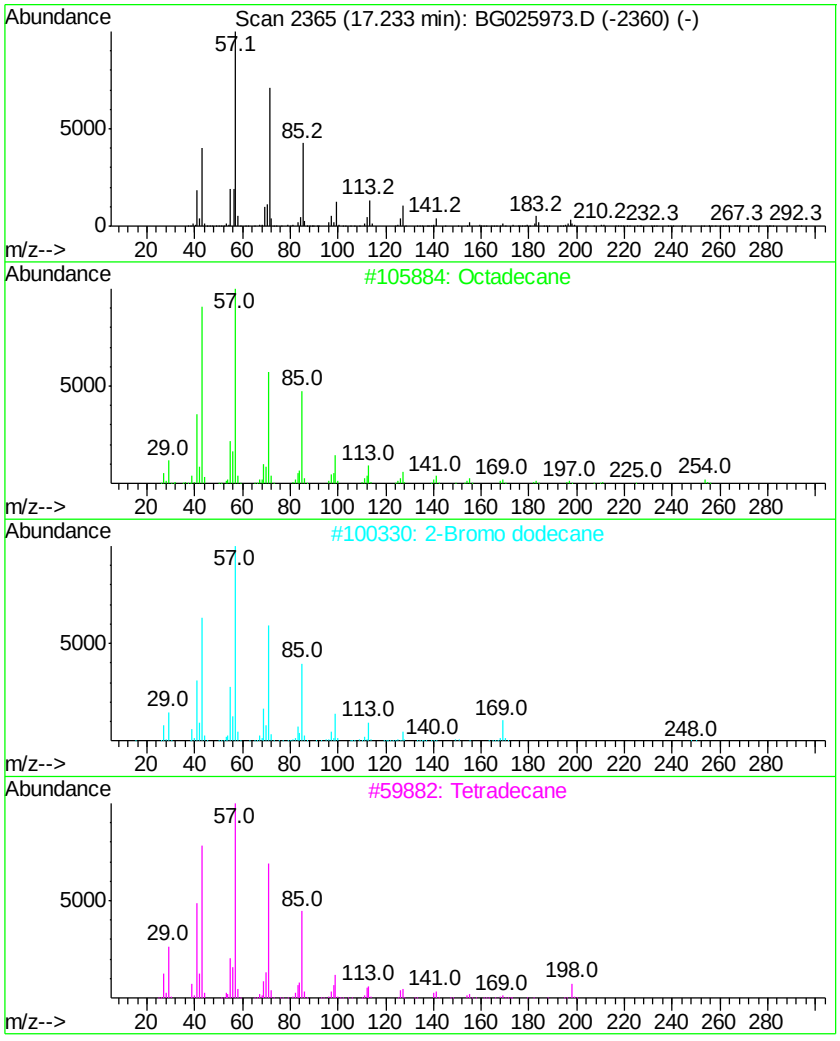
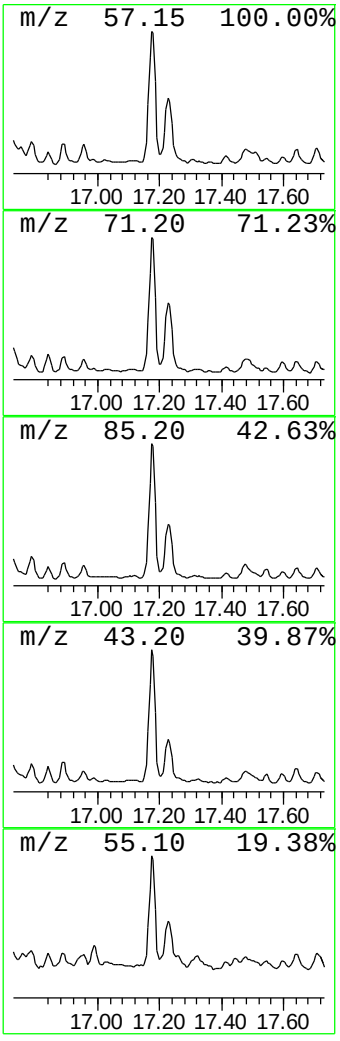
Peak Number 16 Octadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	20.00 ng	8788860	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	87
3	Tetradecane	198	C14H30	000629-59-4	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	83
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	80





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

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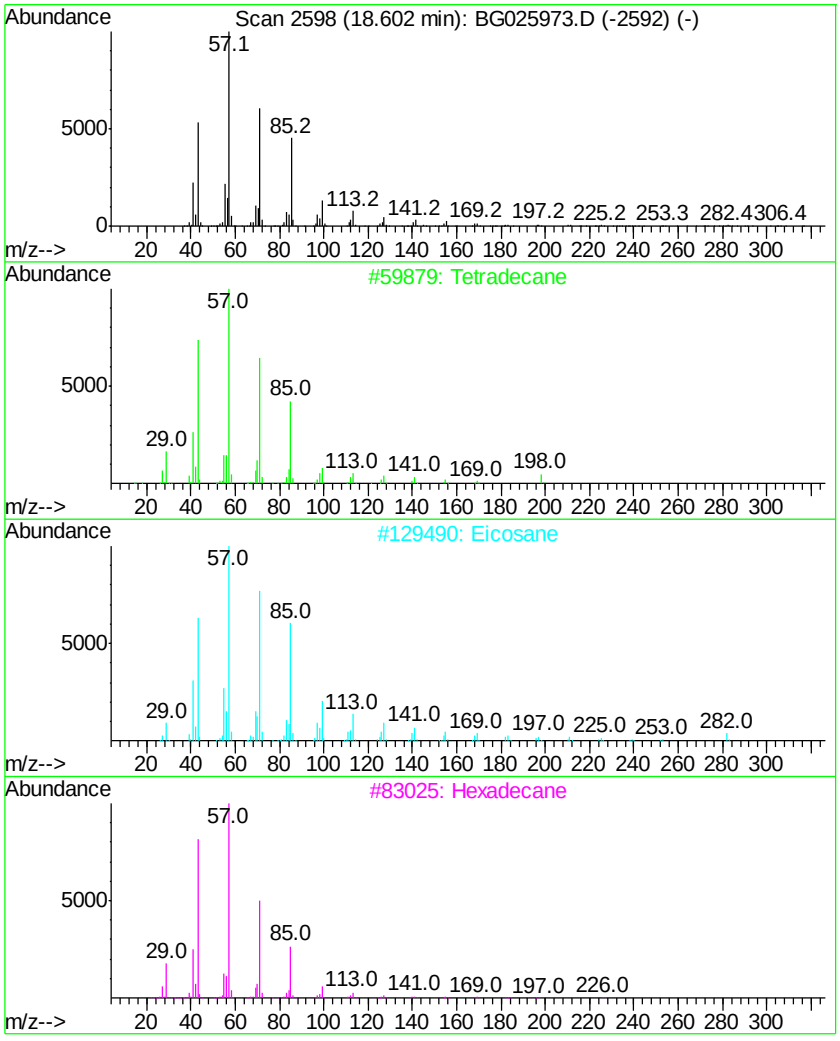
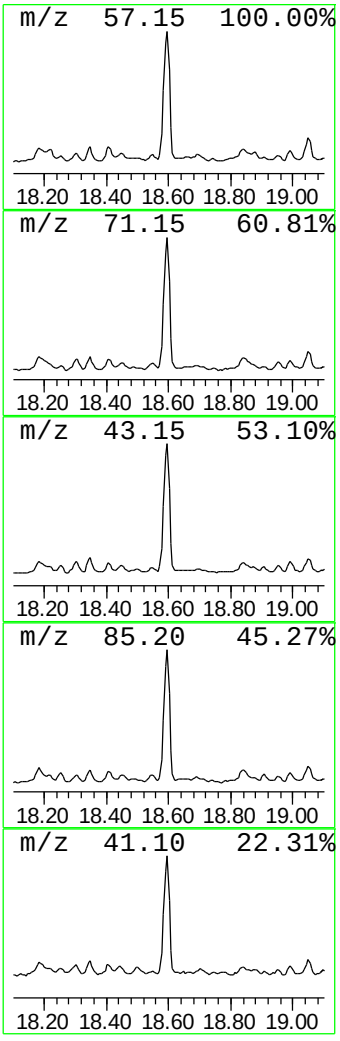
Peak Number 18 Tetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	20.96 ng	9211850	Phenanthrene-d10	17.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Eicosane	282	C20H42	000112-95-8	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	87





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Sample : I2011-01
Misc :
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Instrument : BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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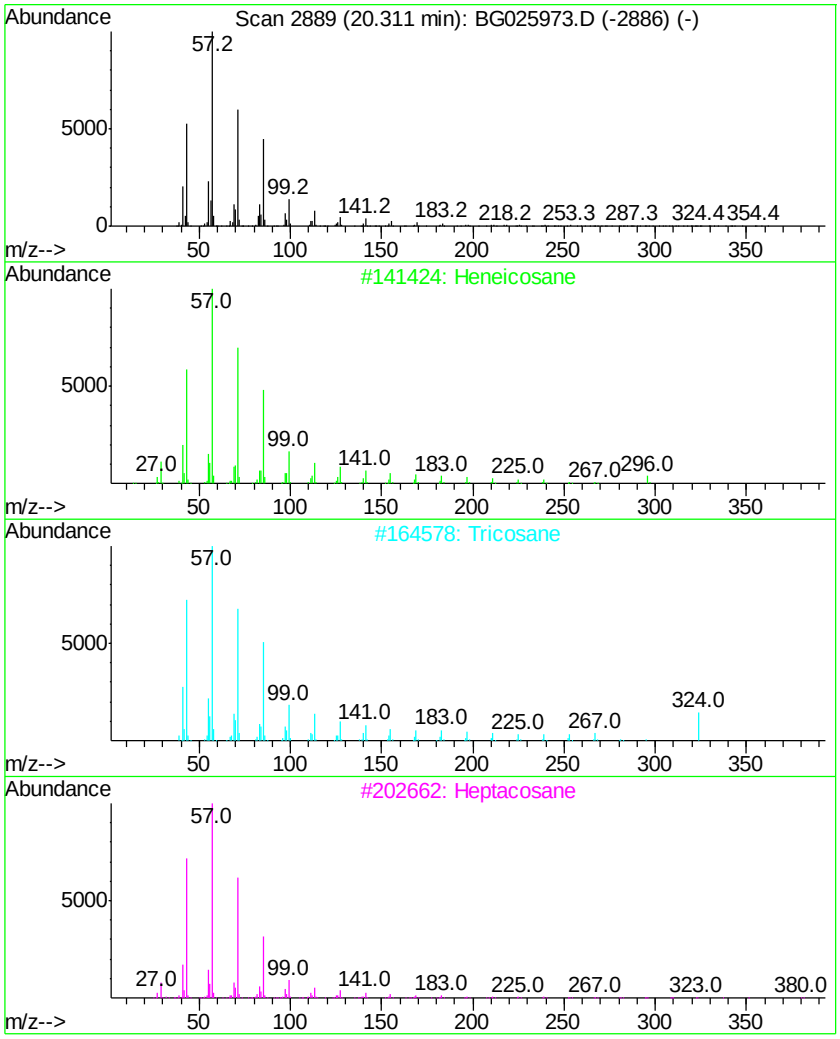
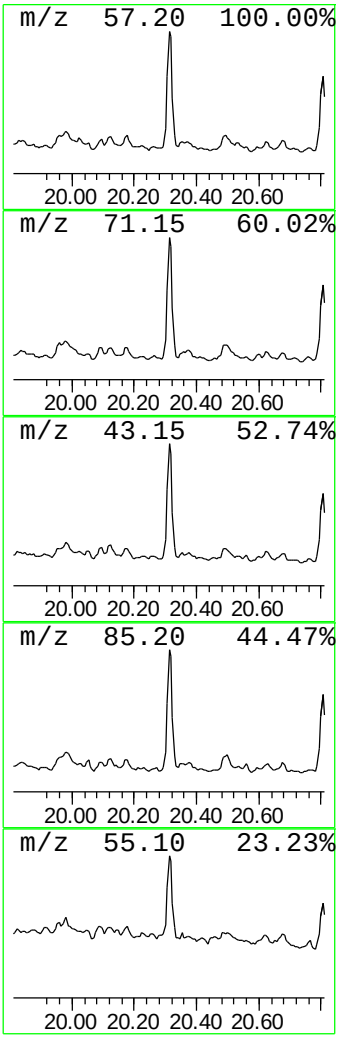
Peak Number 19 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	33.85 ng	3737970	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Tricosane	324	C23H48	000638-67-5	93
3	Heptacosane	380	C27H56	000593-49-7	91
4	Eicosane	282	C20H42	000112-95-8	91
5	Hexadecane	226	C16H34	000544-76-3	91





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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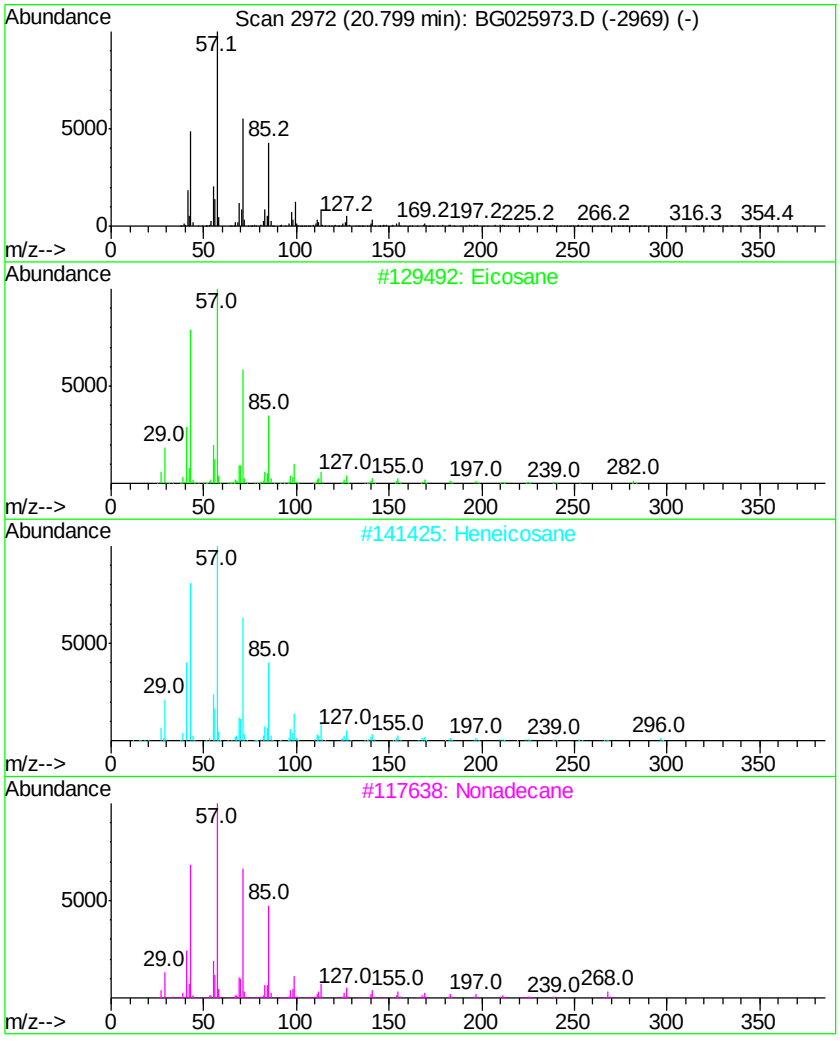
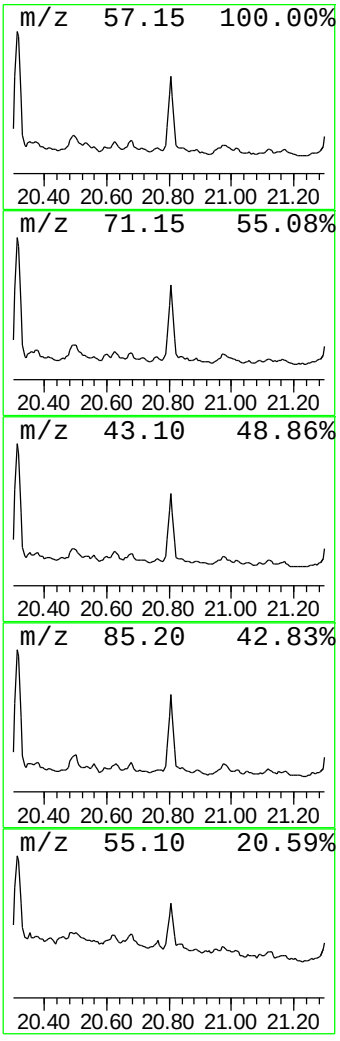
Peak Number 20 Eicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	20.00 ng	2208520	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Heneicosane	296	C21H44	000629-94-7	91
3	Nonadecane	268	C19H40	000629-92-5	91
4	Octadecane	254	C18H38	000593-45-3	91
5	Hexacosane	366	C26H54	000630-01-3	91





Tentatively Identified Compound (LSC) summary

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Data File : BG025973.D
Acq On : 27 Feb 2017 21:09
Operator : SJ/MA
Sample : I2011-01
Misc :
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Instrument : BNA_G
ClientSampleId : FRAC-TANK-A155

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.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, 1,3-dime...	6.10	25.6	ng	8341160	1	8.08	6504680	20.0
Decane	7.72	71.9	ng	23372000	1	8.08	6504680	20.0
Benzene, 1-methyl...	8.62	18.4	ng	5985360	1	8.08	6504680	20.0
Decane, 3-methyl-	8.85	19.8	ng	6424910	1	8.08	6504680	20.0
Undecane	9.34	115.8	ng	37672800	1	8.08	6504680	20.0
Tridecane	12.33	17.5	ng	39310100	2	10.89	44826900	20.0
Sulfurous acid, b...	13.10	19.3	ng	7849330	3	14.69	8119770	20.0
Nonane, 3,7-dimet...	13.25	36.3	ng	14743700	3	14.69	8119770	20.0
Naphthalene, 1,3-...	14.03	34.0	ng	13785200	3	14.69	8119770	20.0
1-Octadecanesulph...	14.18	29.0	ng	11773000	3	14.69	8119770	20.0
Hexadecane	14.60	74.4	ng	30198800	3	14.69	8119770	20.0
Tetradecane, 4-et...	15.20	17.4	ng	7069250	3	14.69	8119770	20.0
Octadecane	17.23	20.0	ng	8788860	4	17.41	8788860	20.0
Tetradecane	18.60	21.0	ng	9211850	4	17.41	8788860	20.0
Heneicosane	20.31	33.9	ng	3737970	5	21.66	2208520	20.0
Eicosane	20.80	20.0	ng	2208520	5	21.66	2208520	20.0