LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\
Data File : BG023017.D
Acq On : 12 Jul 2016 1:58
Operator : UM/SJ
Sample : H3967-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

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-BG070816.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	3.803	160	164	172	rVV3	945695	1713242	14.14%	0.608%
2	4.044	199	205	215	rBV	784636	1245198	10.28%	0.442%
3	4.138	215	221	225	rBV	908311	1501342	12.39%	0.533%
4	4.185	225	229	239	rVV3	1455453	2900441	23.94%	1.029%
5	4.285	239	246	257	rVB	1155643	2216208	18.29%	0.787%
6	4.473	271	278	282	rBV2	776214	1286785	10.62%	0.457%
7	4.614	297	302	310	rVB	572219	1092641	9.02%	0.388%
8	5.043	367	375	382	rBV	1905867	3063642	25.29%	1.087%
9	5.142	387	392	397	rBV	1063469	1716950	14.17%	0.609%
10	5.260	408	412	417	rVV	1033191	1488546	12.29%	0.528%
11	5.319	417	422	428	rVV	2988925	4877211	40.26%	1.731%
12	5.472	444	448	452	rVV	1093565	1589590	13.12%	0.564%
13	5.560	458	463	470	rVB2	2423761	3872205	31.96%	1.374%
14	5.636	470	476	481	rBV	5845453	10152007	83.80%	3.603%
15	5.695	481	486	495	rVB	3244222	5458692	45.06%	1.937%
16	5.789	495	502	515	rVB	6812352	12114047	100.00%	4.300%
17	6.000	532	538	547	rBV2	1357564	3058160	25.24%	1.085%
18	6.083	547	552	556	rBV2	1383194	2287707	18.88%	0.812%
19	6.147	559	563	570	rVB	821697	1443853	11.92%	0.512%
20	6.394	597	605	613	rBV6	1680094	4149086	34.25%	1.473%
21	6.511	619	625	633	rVB	1091914	2255867	18.62%	0.801%
22	6.623	636	644	649	rBV6	1907797	4696930	38.77%	1.667%
23	6.682	649	654	659	rVV	3368814	5088742	42.01%	1.806%
24	6.770	664	669	678	rVB3	2486809	5763926	47.58%	2.046%
25	6.952	694	700	705	rBV3	662659	1205902	9.95%	0.428%
26	7.023	705	712	718	rVB4	691499	1764398	14.56%	0.626%
27	7.117	723	728	735	rVB	3907010	6510861	53.75%	2.311%
28	7.287	751	757	764	rBV	4967586	8901279	73.48%	3.159%
29	7.463	783	787	793	rVB4	546900	1022511	8.44%	0.363%
30	7.534	793	799	805	rBV	3178870	5848996	48.28%	2.076%
31	7.587	805	808	811	rVV3	781342	1257143	10.38%	0.446%
32	7.628	811	815	820	rVV4	973298	2250138	18.57%	0.799%
33	7.681	820	824	833	rVV4	1036964	3077559	25.40%	1.092%
34	7.798	837	844	851	rBV	6490368	11504791	94.97%	4.083%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\
Data File : BG023017.D
Acq On : 12 Jul 2016 1:58
Operator : UM/SJ
Sample : H3967-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

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-BG070816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.051	878	887	893	rBV8	866967	2700159	22.29%	0.958%
36	8.115	893	898	903	rVB	2907969	4323365	35.69%	1.534%
37	8.209	908	914	919	rVB4	577118	1166478	9.63%	0.414%
38	8.268	919	924	930	rBV3	2302431	4321137	35.67%	1.534%
39	8.327	930	934	938	rVV2	876423	1262676	10.42%	0.448%
40	8.392	938	945	949	rVV	854546	1740585	14.37%	0.618%
41	8.439	949	953	956	rVV2	1105186	1804079	14.89%	0.640%
42	8.480	956	960	965	rVV2	1014536	1899205	15.68%	0.674%
43	8.668	983	992	996	rBV3	1062578	2746773	22.67%	0.975%
44	8.721	996	1001	1008	rVB3	1549960	3456789	28.54%	1.227%
45	8.797	1008	1014	1026	rBV5	1358782	3603565	29.75%	1.279%
46	8.909	1027	1033	1038	rBV2	660550	1418787	11.71%	0.504%
47	9.108	1062	1067	1071	rBV	662867	1158244	9.56%	0.411%
48	9.161	1071	1076	1083	rVV	917704	2029391	16.75%	0.720%
49	9.261	1089	1093	1099	rVV2	2084748	4028026	33.25%	1.430%
50	9.349	1099	1108	1115	rVV3	1386016	4654759	38.42%	1.652%
51	9.625	1144	1155	1161	rBV6	978533	2998110	24.75%	1.064%
52	9.731	1165	1173	1178	rBV9	388994	1025118	8.46%	0.364%
53	9.796	1178	1184	1189	rBV	1430242	2312596	19.09%	0.821%
54	9.849	1189	1193	1197	rBV2	980680	1583460	13.07%	0.562%
55	10.049	1216	1227	1229	rBV8	464802	1550565	12.80%	0.550%
56	10.084	1230	1233	1238	rVV3	941496	1568526	12.95%	0.557%
57	10.154	1239	1245	1250	rVV6	1017599	2154494	17.79%	0.765%
58	10.213	1250	1255	1265	rVV3	891876	2754386	22.74%	0.978%
59	10.301	1265	1270	1275	rVV3	759522	1249317	10.31%	0.443%
60	10.372	1276	1282	1288	rVV3	1458758	3017442	24.91%	1.071%
61	10.483	1296	1301	1305	rVV	824554	1319274	10.89%	0.468%
62	10.548	1305	1312	1319	rVV8	687621	1833229	15.13%	0.651%
63	10.671	1327	1333	1341	rVB7	606377	1523658	12.58%	0.541%
64	10.859	1362	1365	1373	rVV5	420981	1098439	9.07%	0.390%
65	10.953	1374	1381	1383	rVV6	712017	1669699	13.78%	0.593%
66	10.989	1384	1387	1390	rVV2	973478	1647847	13.60%	0.585%
67	11.036	1390	1395	1400	rVV	2366157	4549970	37.56%	1.615%
68	11.118	1404	1409	1415	rVB	3095993	5436549	44.88%	1.930%
69	11.188	1415	1421	1427	rBV4	862802	1747240	14.42%	0.620%
70	11.241	1427	1430	1440	rVB6	528164	1135821	9.38%	0.403%
71	11.347	1441	1448	1452	rBV6	503680	1112114	9.18%	0.395%

LSC Area Percent Report

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Data File : BG023017.D
Acq On : 12 Jul 2016 1:58
Operator : UM/SJ
Sample : H3967-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

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-BG070816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.464	1463	1468	1474	rVB2	1157145	2142367	17.68%	0.760%
73	11.676	1498	1504	1509	rVB5	972417	2278608	18.81%	0.809%
74	11.799	1520	1525	1530	rBV3	874469	1553075	12.82%	0.551%
75	11.882	1535	1539	1546	rVB6	726556	1771797	14.63%	0.629%
76	11.982	1550	1556	1560	rBV	2970020	4596076	37.94%	1.631%
77	12.023	1560	1563	1568	rVB2	790848	1101185	9.09%	0.391%
78	12.170	1583	1588	1593	rVB4	643405	1111368	9.17%	0.394%
79	12.252	1594	1602	1606	rBV4	1046920	2264588	18.69%	0.804%
80	12.593	1657	1660	1663	rVB	851653	1067684	8.81%	0.379%
81	12.634	1663	1667	1673	rVB	1410967	2386362	19.70%	0.847%
82	12.851	1700	1704	1714	rVB	1126249	2065451	17.05%	0.733%
83	13.004	1724	1730	1733	rBV	943074	1652101	13.64%	0.586%
84	13.315	1778	1783	1792	rVB2	2712353	4438704	36.64%	1.575%
85	13.421	1796	1801	1806	rVB	2716038	4304792	35.54%	1.528%
86	13.603	1826	1832	1841	rVB7	777235	2467828	20.37%	0.876%
87	14.120	1915	1920	1925	rBV2	1077171	1939551	16.01%	0.688%
88	14.173	1925	1929	1933	rVV2	1037624	1485939	12.27%	0.527%
89	14.255	1933	1943	1948	rVB4	2056989	4471285	36.91%	1.587%
90	14.543	1986	1992	1996	rBV5	465250	1046972	8.64%	0.372%
91	14.626	2001	2006	2011	rVB2	884198	1433744	11.84%	0.509%
92	14.802	2032	2036	2042	rVB2	1267937	2115910	17.47%	0.751%
93	16.294	2285	2290	2298	rBV	1543829	2383867	19.68%	0.846%
94	16.512	2320	2327	2333	rBV2	1022582	1785827	14.74%	0.634%
95	17.557	2501	2505	2512	rVB2	1460402	2150250	17.75%	0.763%
96	18.433	2650	2654	2660	rBV	1351882	1820666	15.03%	0.646%
97	19.696	2866	2869	2878	rVB	1233893	1486304	12.27%	0.528%
98	20.160	2944	2948	2955	rVB	4182786	5446647	44.96%	1.933%
99	21.870	3233	3239	3245	rVB2	1464664	2559400	21.13%	0.908%
100	25.254	3808	3815	3825	rVB2	861938	2440732	20.15%	0.866%

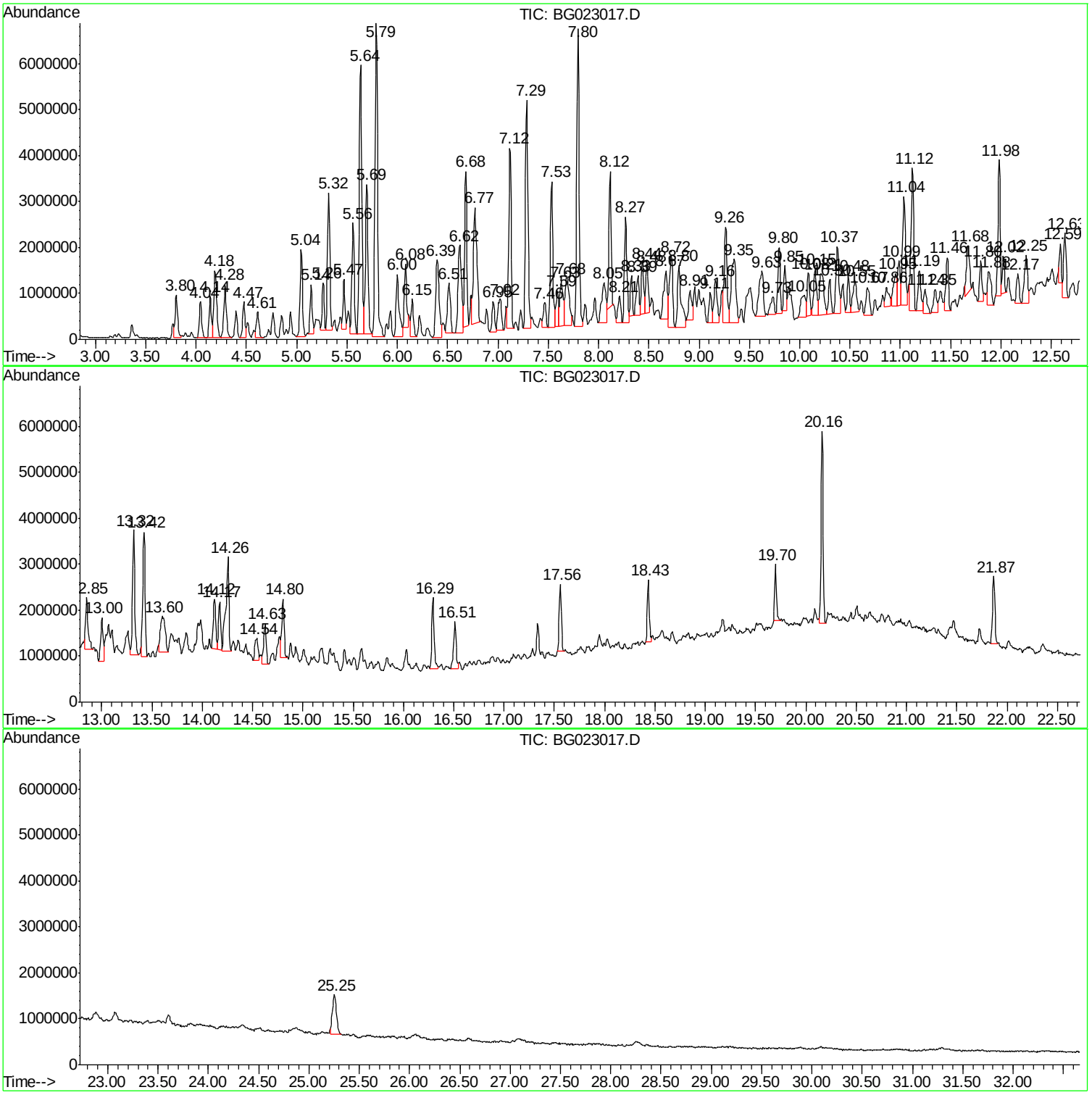
Sum of corrected areas: 281747548

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\
Data File : BG023017.D
Acq On : 12 Jul 2016 1:58
Operator : UM/SJ
Sample : H3967-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\
Data File : BG023017.D
Acq On : 12 Jul 2016 1:58
Operator : UM/SJ
Sample : H3967-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

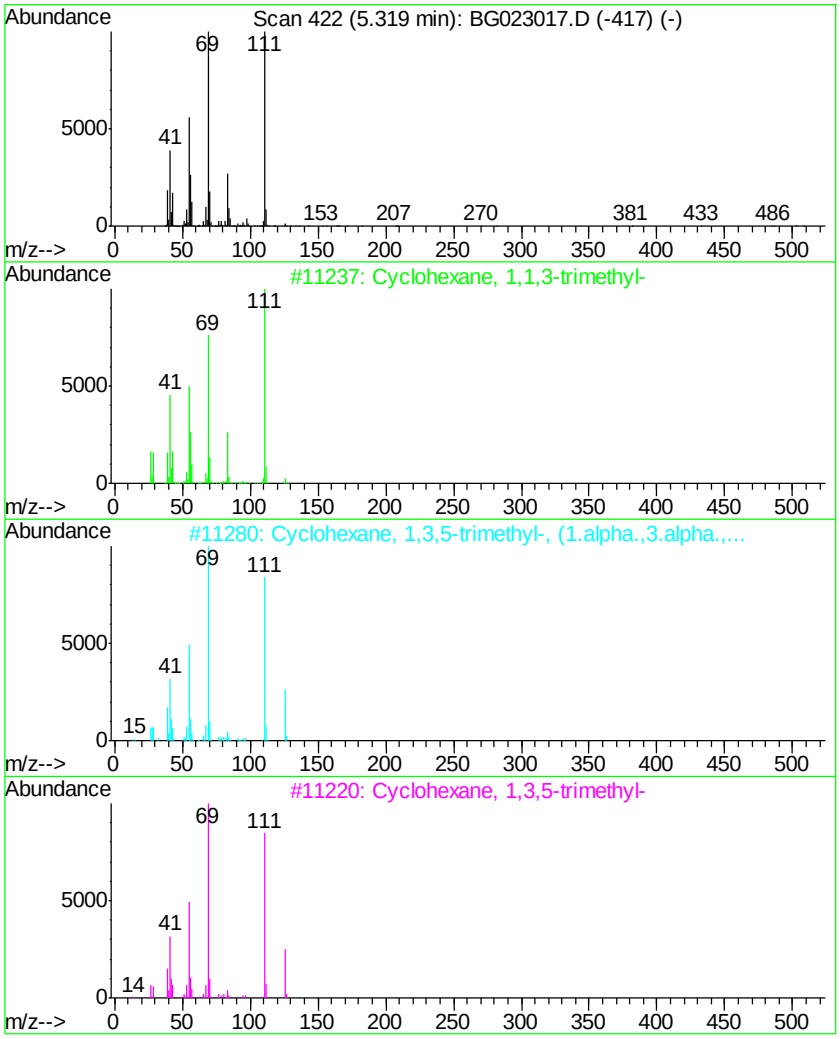
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

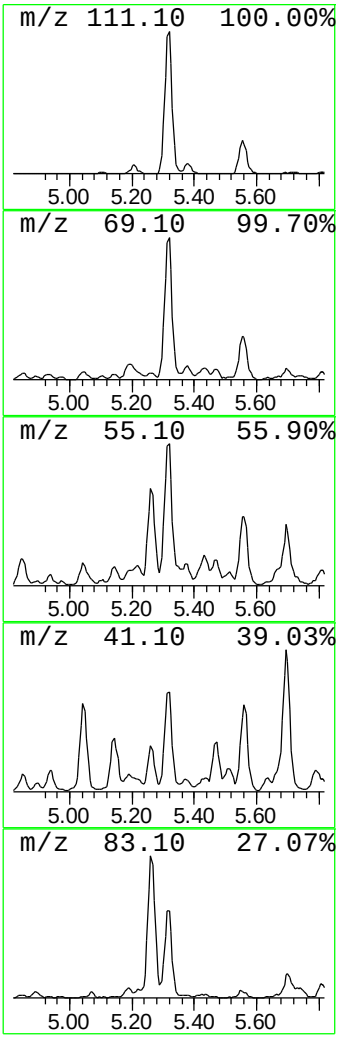
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	22.56 ng	4877210	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
4	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	64
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\
Data File : BG023017.D
Acq On : 12 Jul 2016 1:58
Operator : UM/SJ
Sample : H3967-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

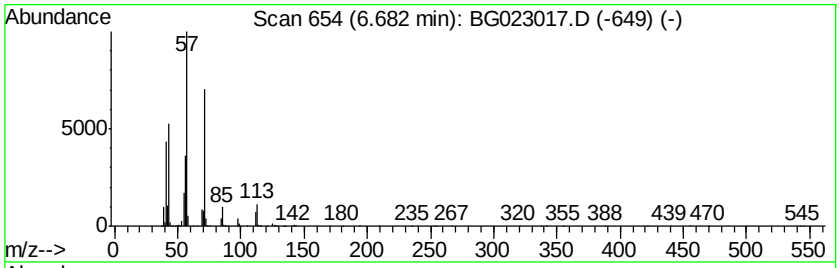
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

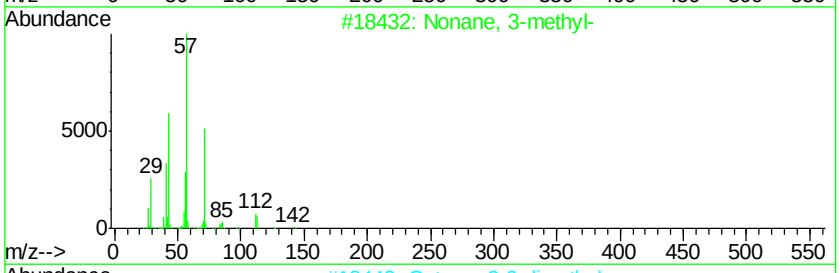
****

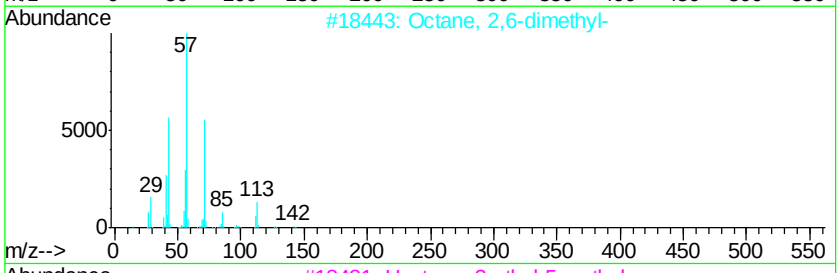
Peak Number 4 Nonane, 3-methyl- Concentration Rank 19

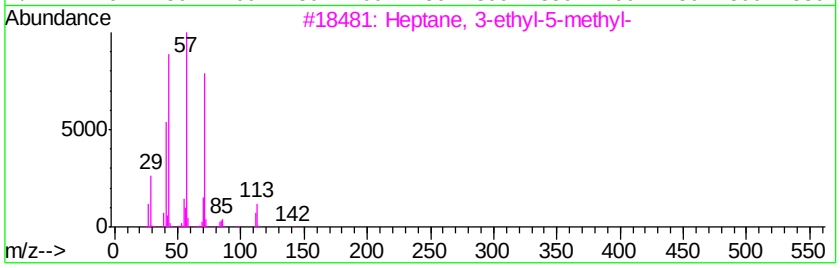
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	23.54 ng	5088740	1,4-Dichlorobenzene-d4	8.15

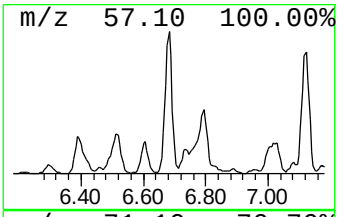
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	86
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
3	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	80
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	59
5	Eicosane	282	C20H42	000112-95-8	53

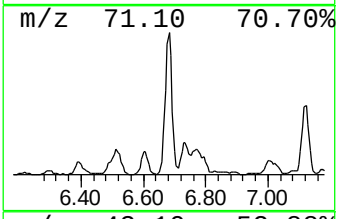


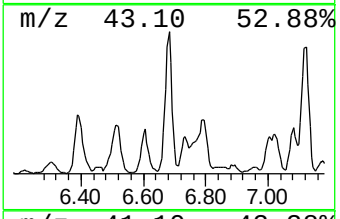


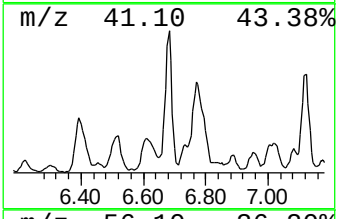


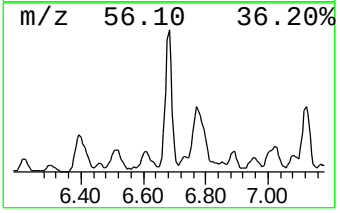












Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\
Data File : BG023017.D
Acq On : 12 Jul 2016 1:58
Operator : UM/SJ
Sample : H3967-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

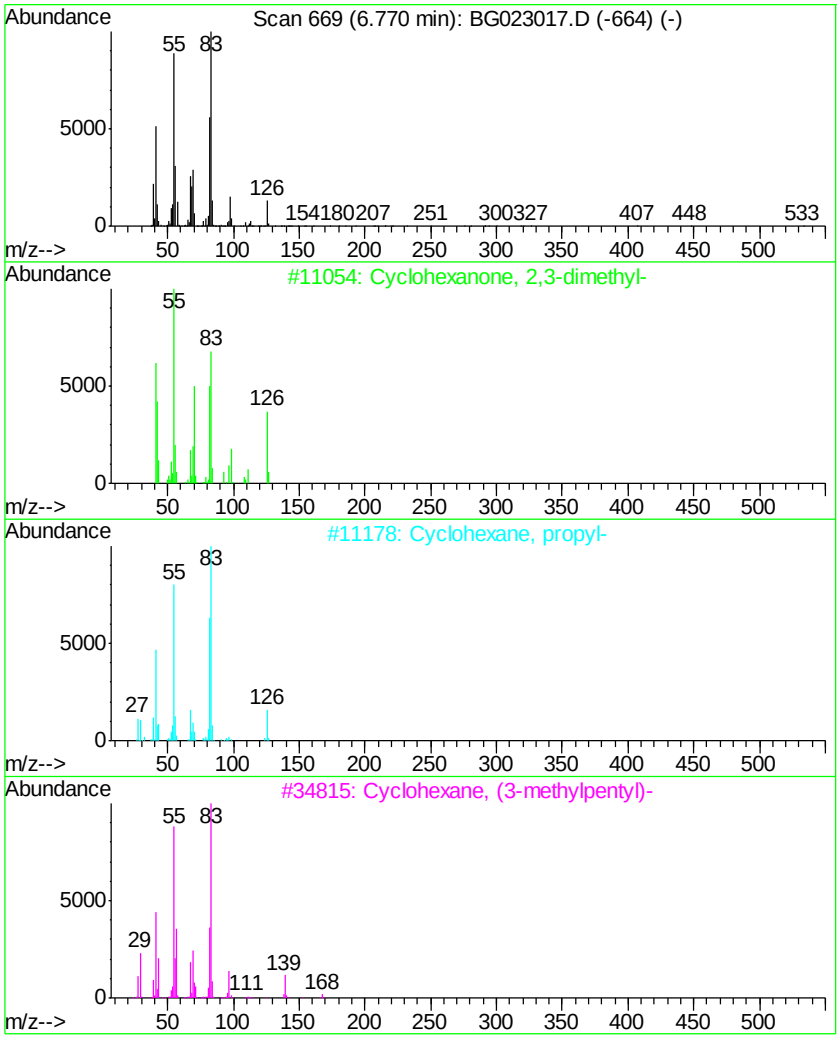
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

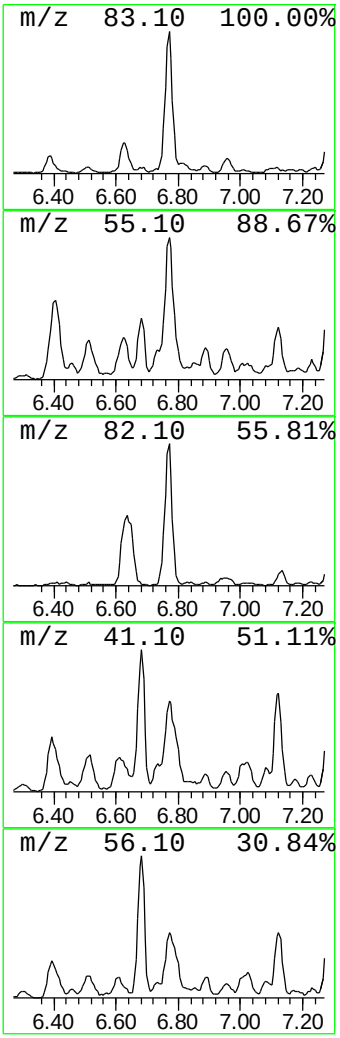
****

Peak Number 5 Cyclohexanone, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	26.66 ng	5763930	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	74
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	68
3	Cyclohexane, (3-methylpentyl)-	168	C12H24	061142-38-9	59
4	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	59
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\
Data File : BG023017.D
Acq On : 12 Jul 2016 1:58
Operator : UM/SJ
Sample : H3967-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

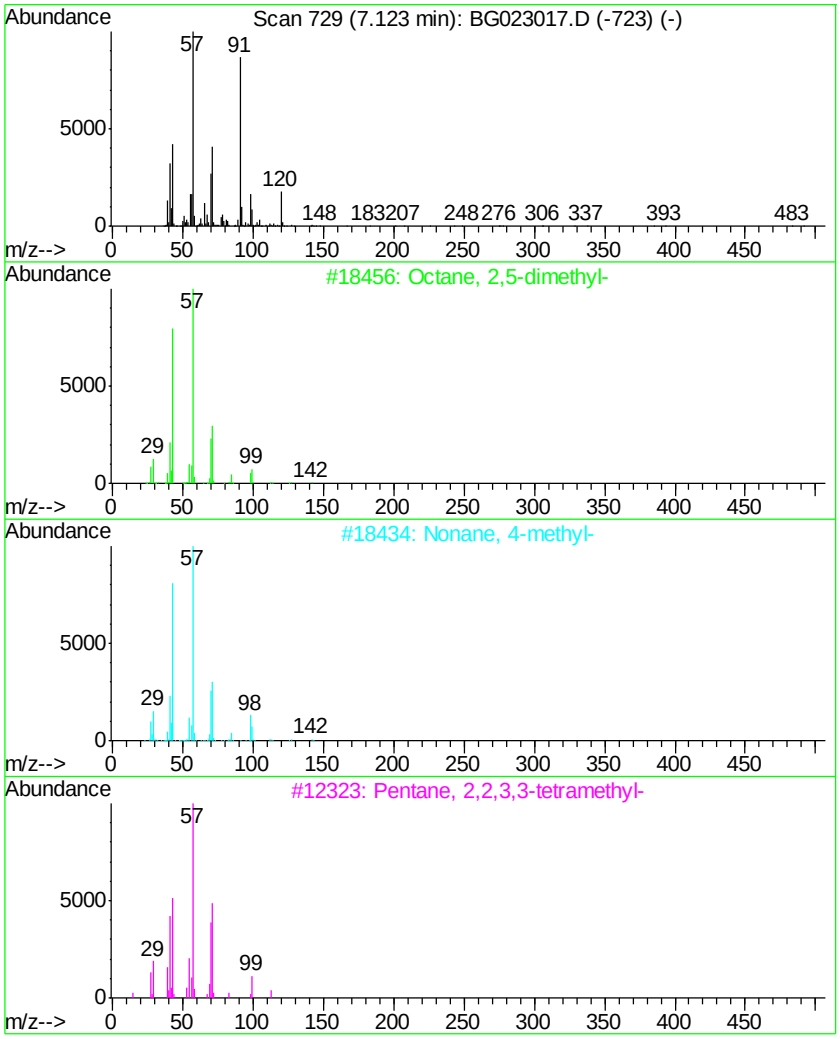
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

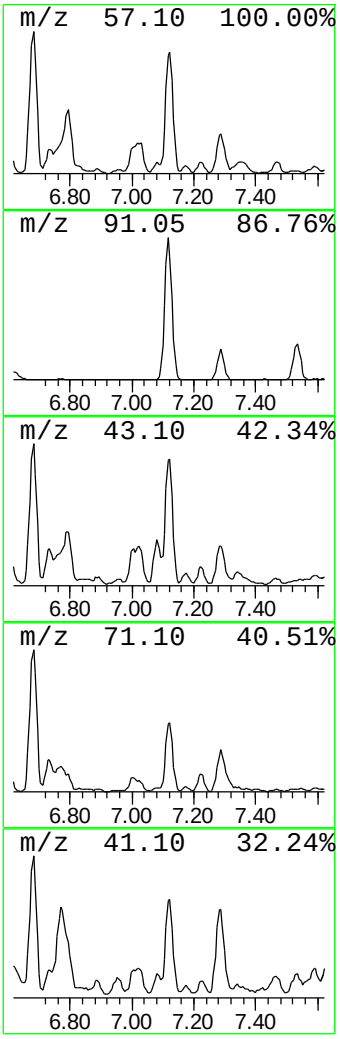
****

Peak Number 6 unknown7.12 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	30.12 ng	6510860	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	49
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	47
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	43
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	38
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	35





Library Search Compound Report

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Acq On : 12 Jul 2016 1:58
Operator : UM/SJ
Sample : H3967-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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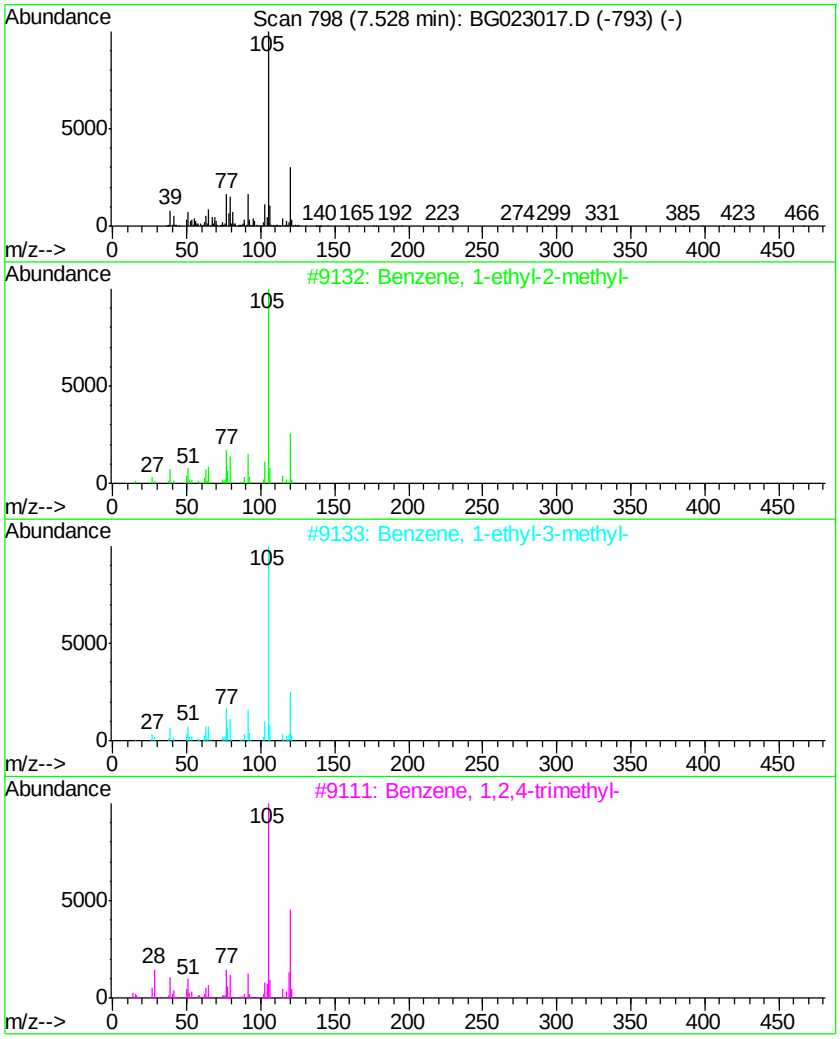
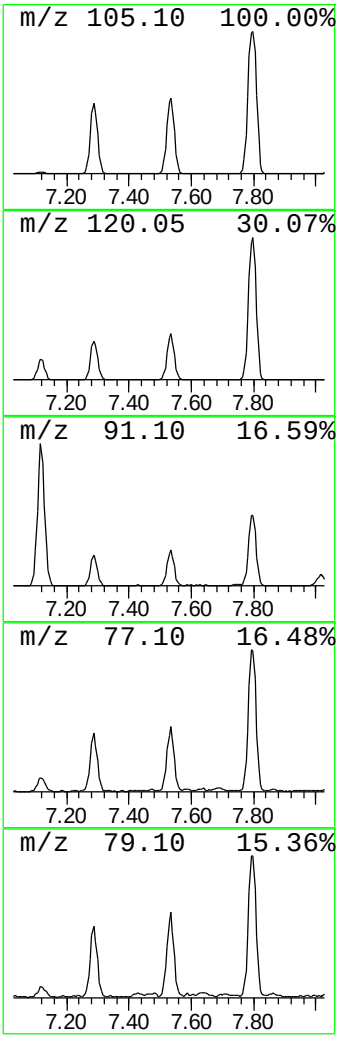
Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	27.06 ng	5849000	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Sample : H3967-07
Misc :
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Instrument : BNA_G
ClientSampleId : S22-0009

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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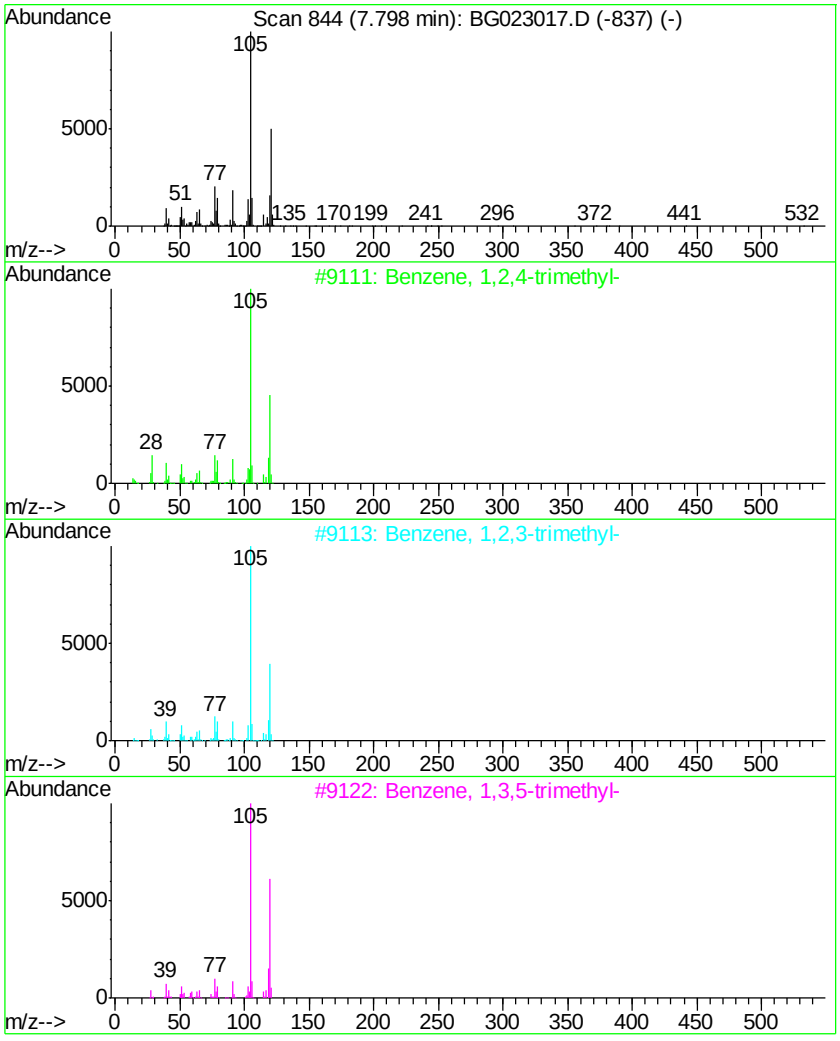
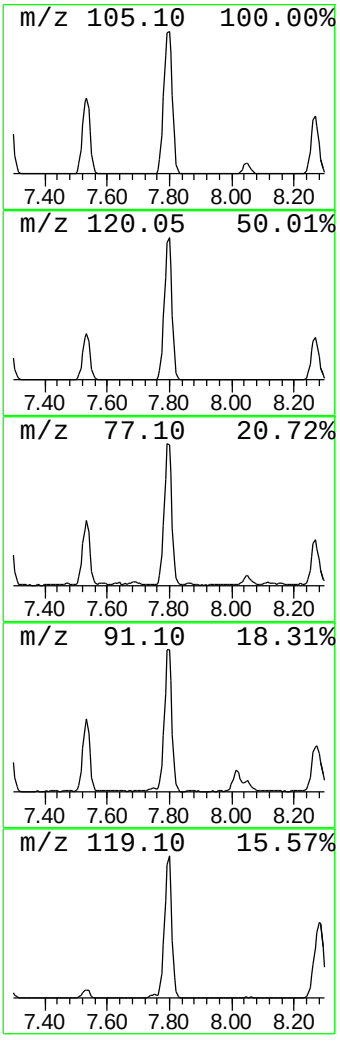
Peak Number 8 Benzene, 1,2,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	53.22 ng	11504800	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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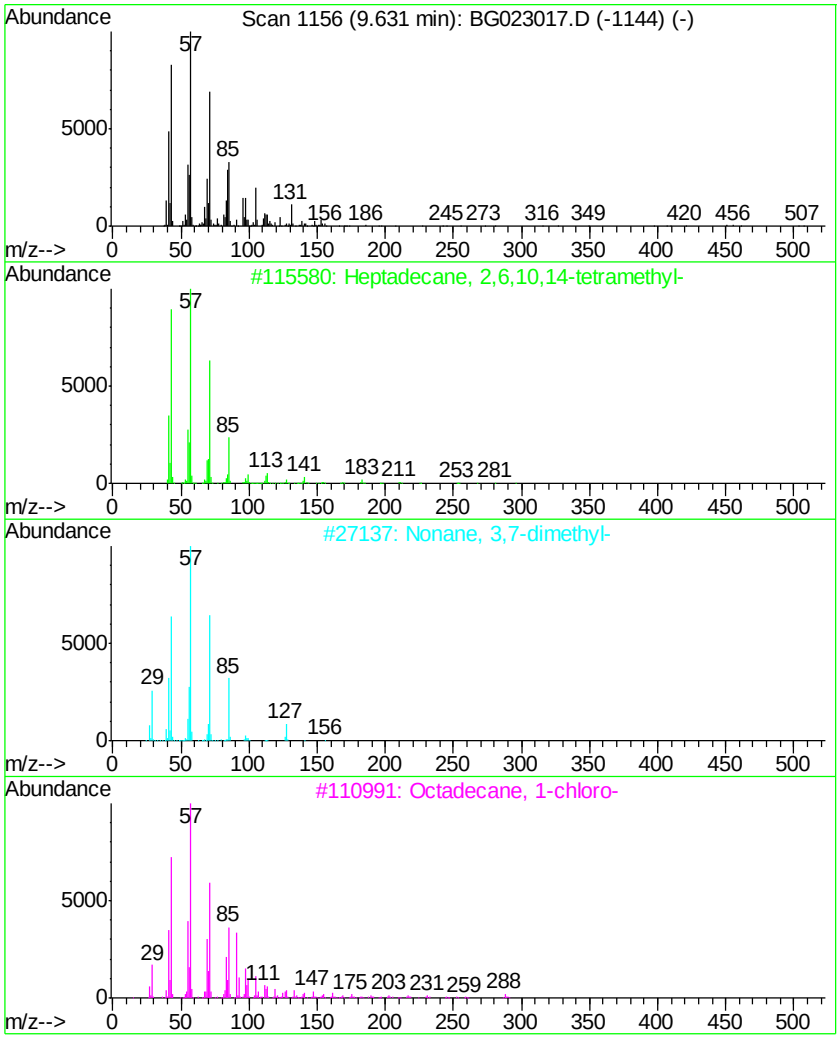
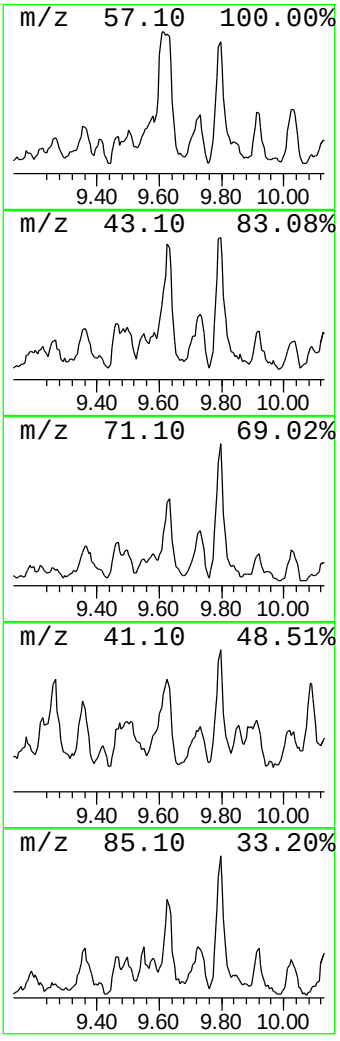
Peak Number 9 Heptadecane, 2,6,10,14-tetr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	36.39 ng	2998110	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	50
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	49
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	47
4	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	47
5	Nonane	128	C9H20	000111-84-2	43





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Misc :
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Instrument : BNA_G
ClientSampleId : S22-0009

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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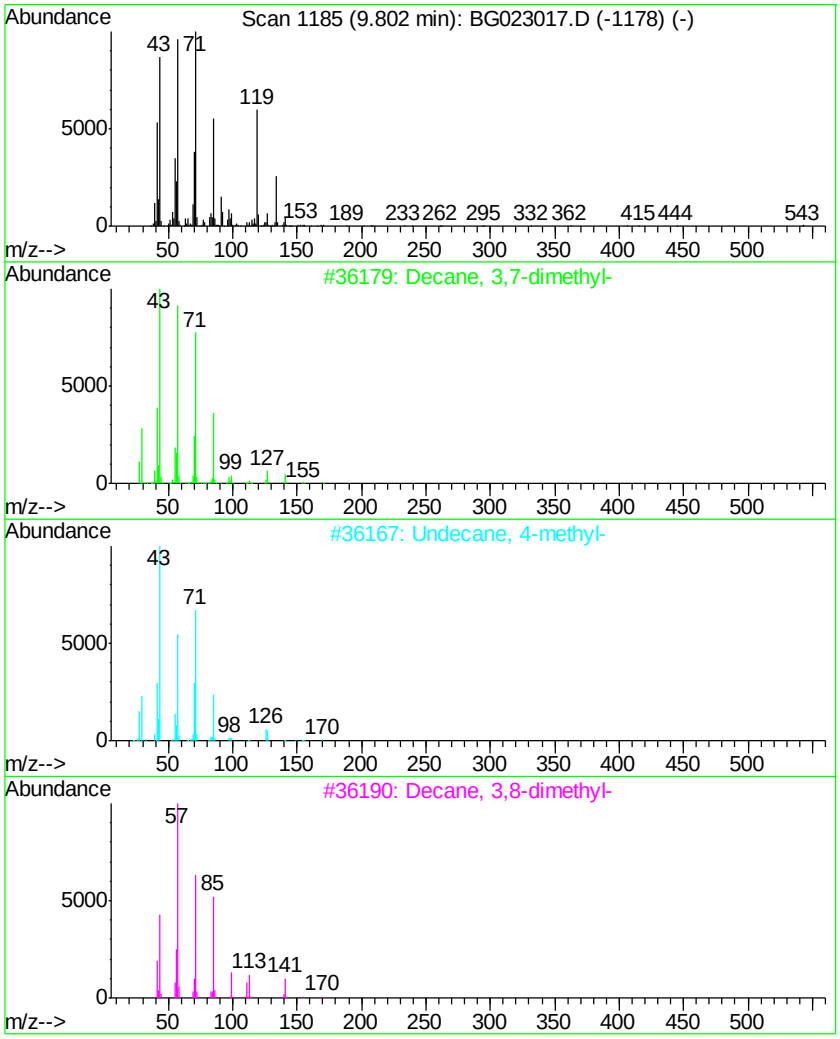
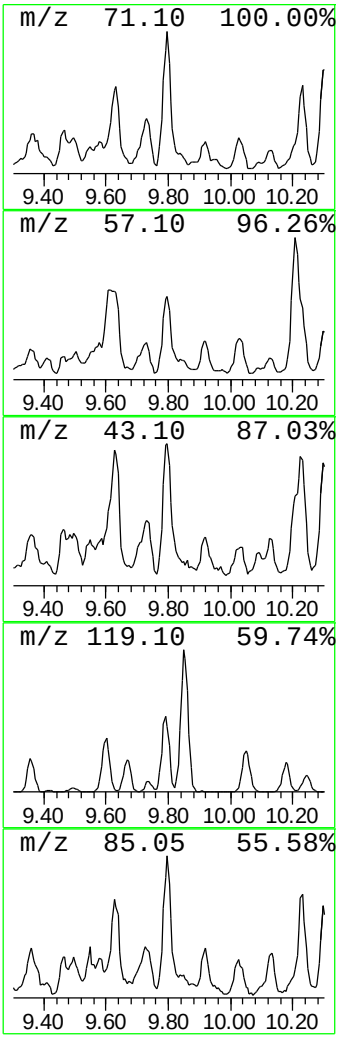
Peak Number 10 Decane, 3,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	28.07 ng	2312600	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	70
2	Undecane, 4-methyl-	170	C12H26	002980-69-0	46
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	43
4	Octane, 4-methyl-	128	C9H20	002216-34-4	38
5	1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	35





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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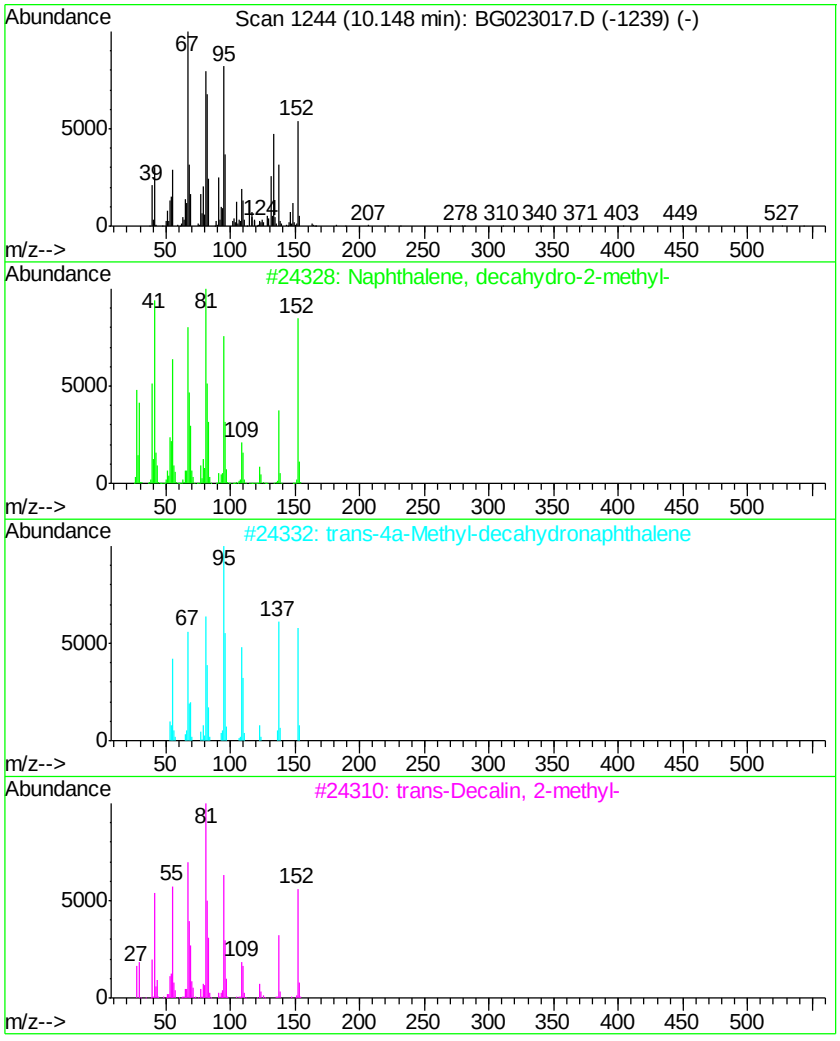
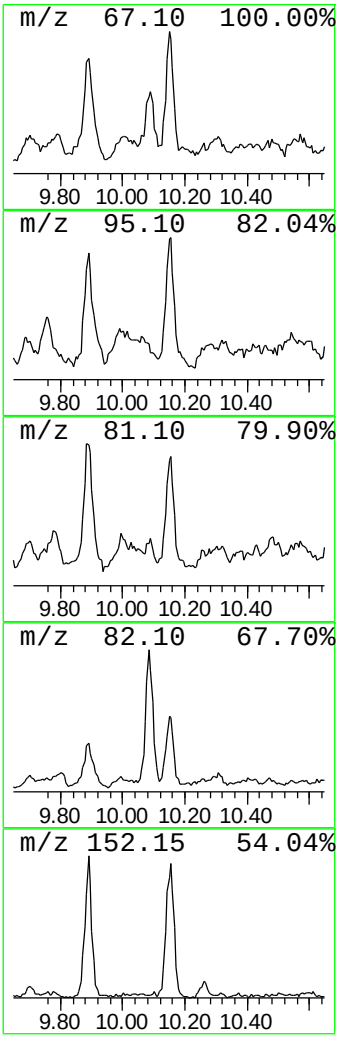
Peak Number 11 Naphthalene, decahydro-2-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	26.15 ng	2154490	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
2	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	58
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	52
4	1-Hexadecyne	222	C16H30	000629-74-3	43
5	2-Tetradecyne	194	C14H26	000638-60-8	38





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Instrument : BNA_G
ClientSampleId : S22-0009

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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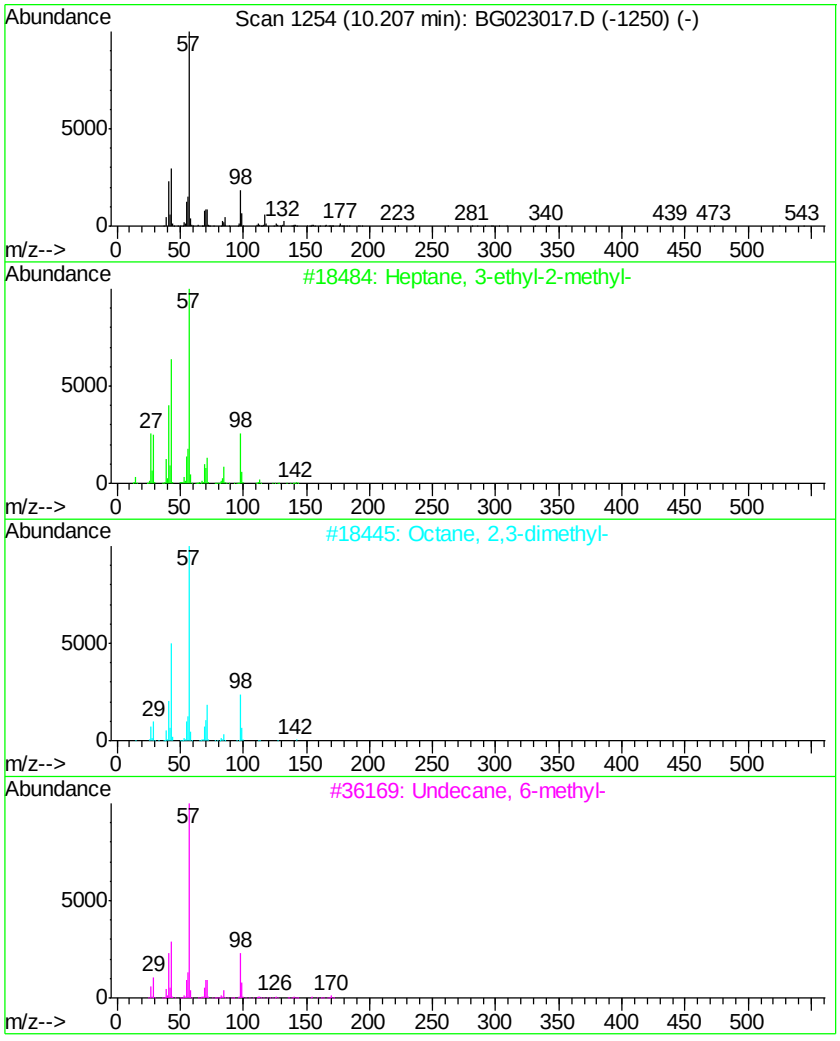
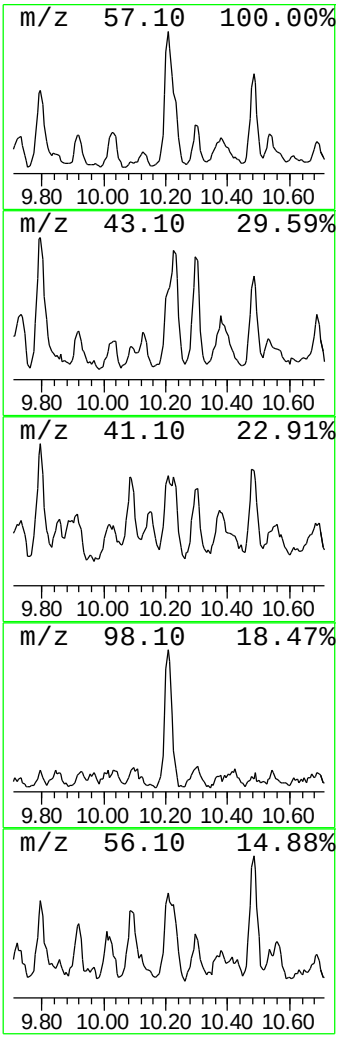
Peak Number 12 Heptane, 3-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	33.43 ng	2754390	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	70
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	59
4	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	53
5	Tetradecane, 2,5-dimethyl-	226	C16H34	056292-69-4	50





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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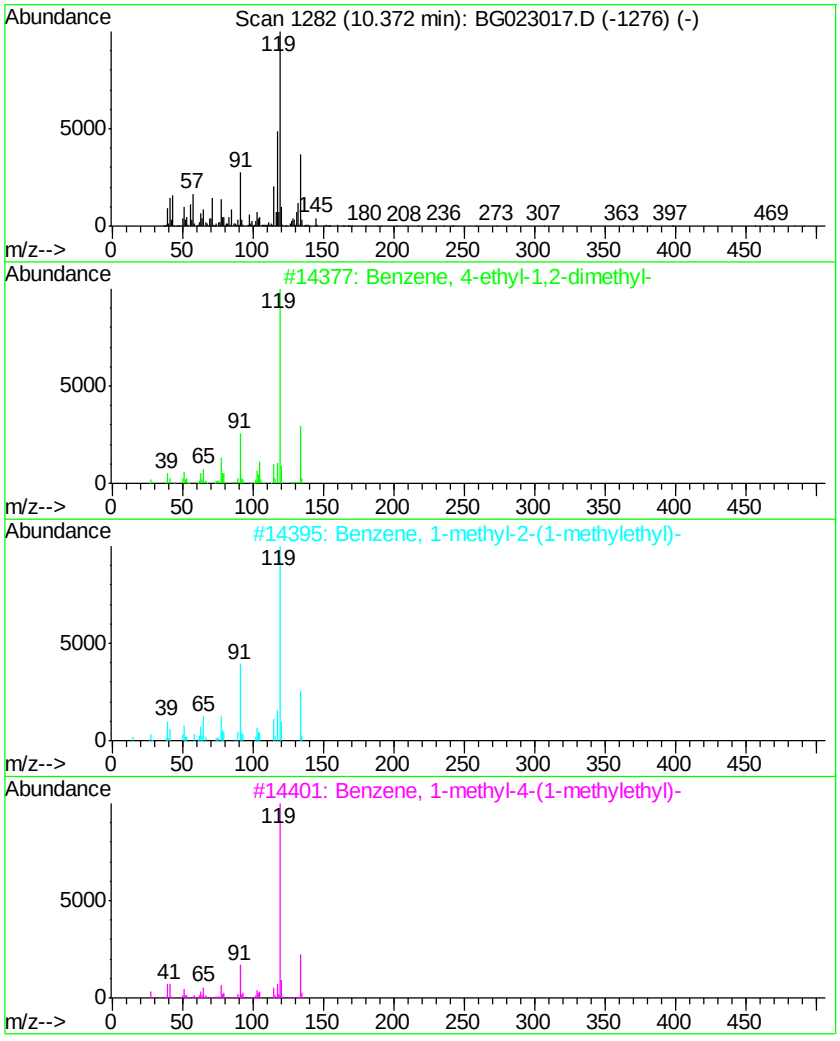
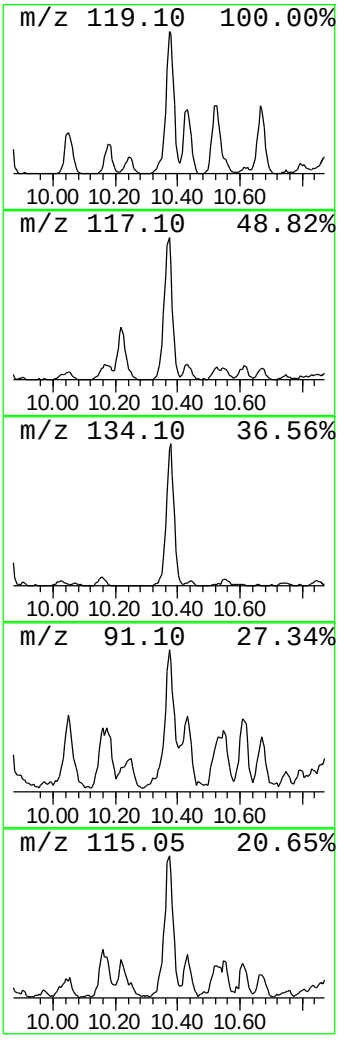
Peak Number 13 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	36.62 ng	3017440	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	64
3	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	60
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60





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Instrument : BNA_G
ClientSampleId : S22-0009

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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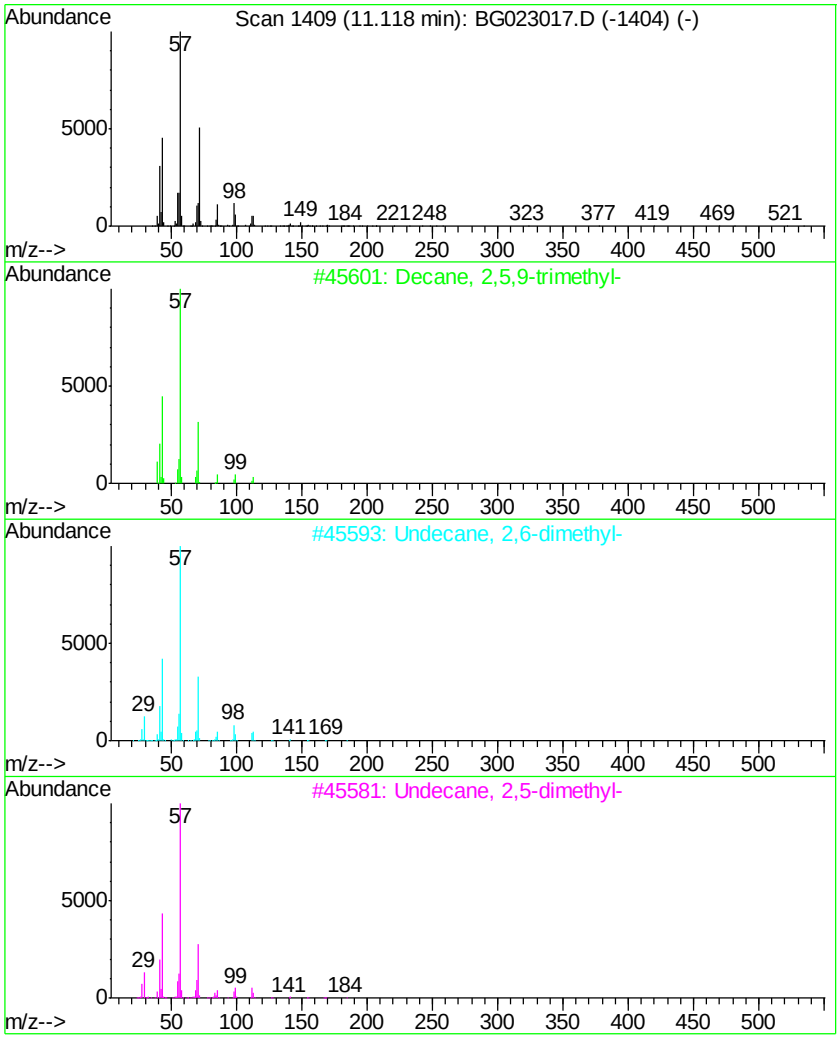
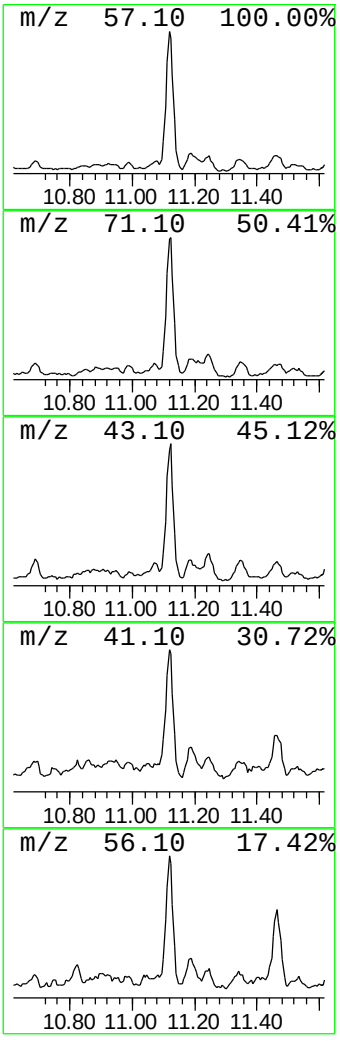
Peak Number 14 Decane, 2,5,9-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	65.98 ng	5436550	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	70
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	64
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	64
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59





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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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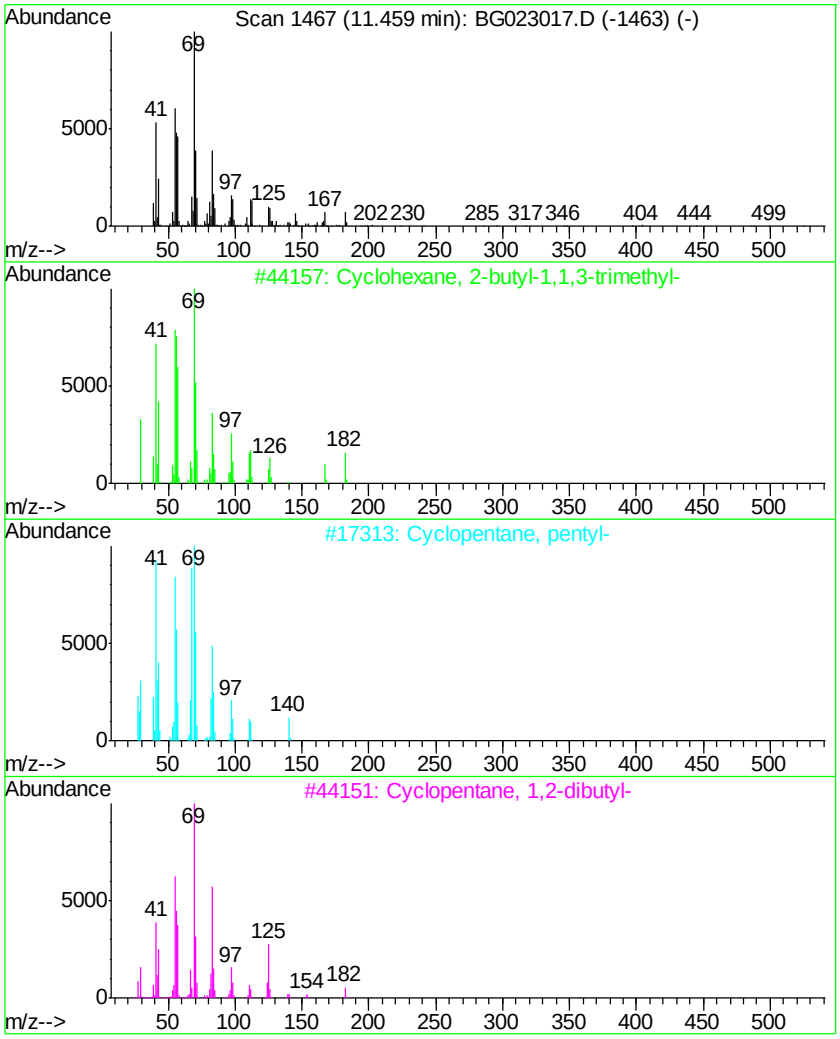
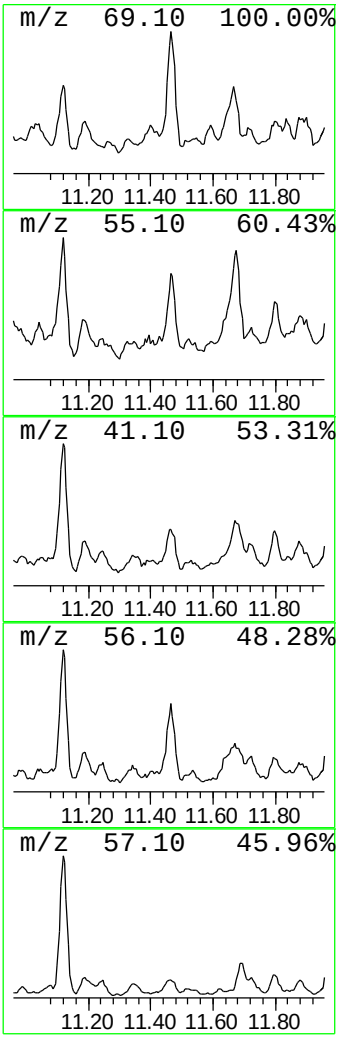
Peak Number 15 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	26.00 ng	2142370	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	96
2	Cyclopentane, pentyl-	140	C10H20	003741-00-2	86
3	Cyclopentane, 1,2-dibutyl-	182	C13H26	062199-52-4	81
4	6-Tridecene, (Z)-	182	C13H26	006508-77-6	70
5	5-Tridecene, (E)-	182	C13H26	023051-84-5	64





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Instrument : BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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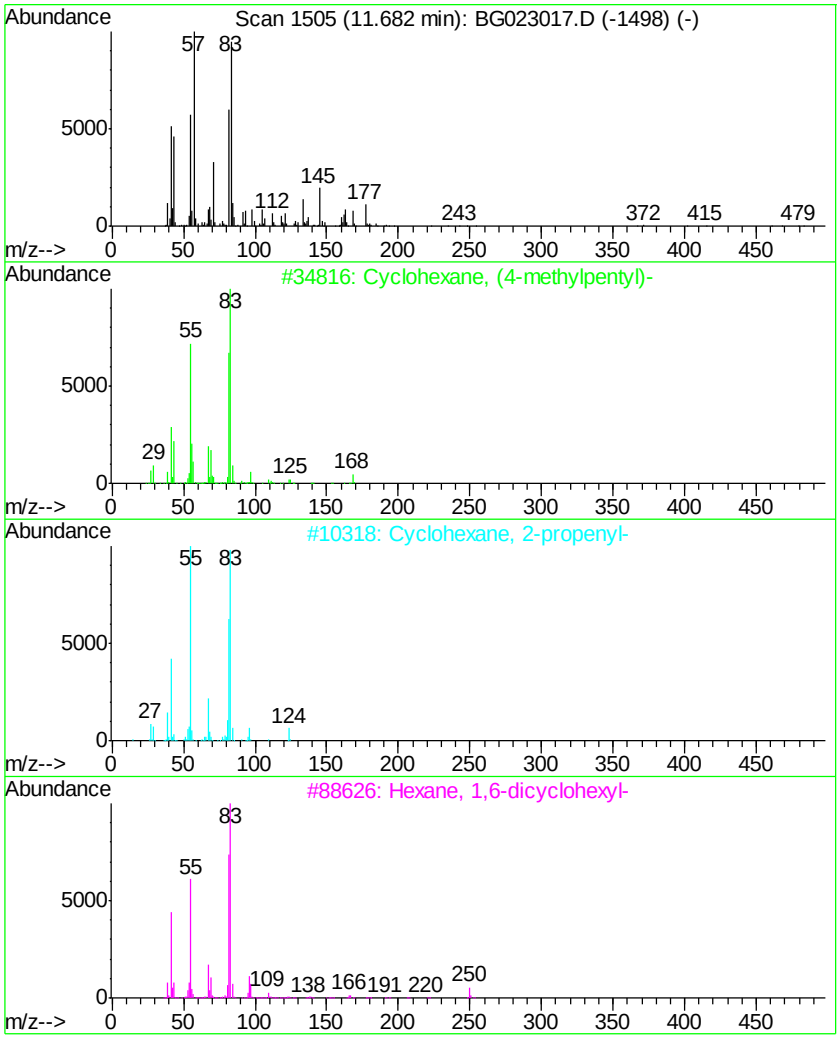
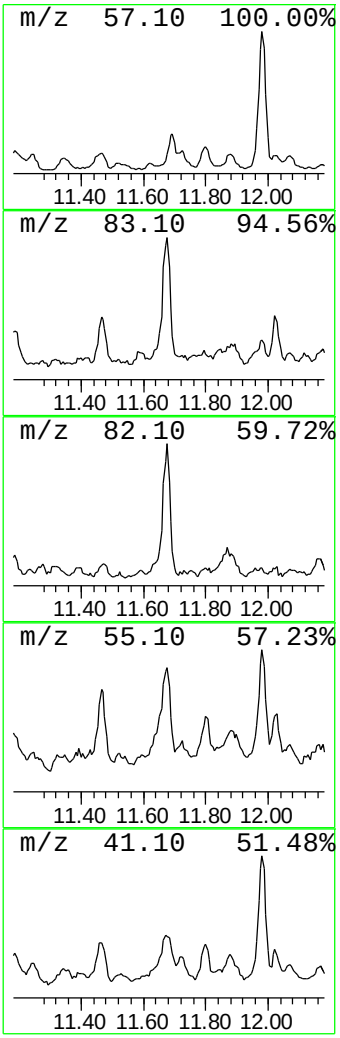
Peak Number 16 Cyclohexane, (4-methylpentyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	27.66 ng	2278610	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64
2	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	59
3	Hexane, 1,6-dicyclohexyl-	250	C18H34	001610-23-7	59
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59
5	Cyclohexane, hexyl-	168	C12H24	004292-75-5	59





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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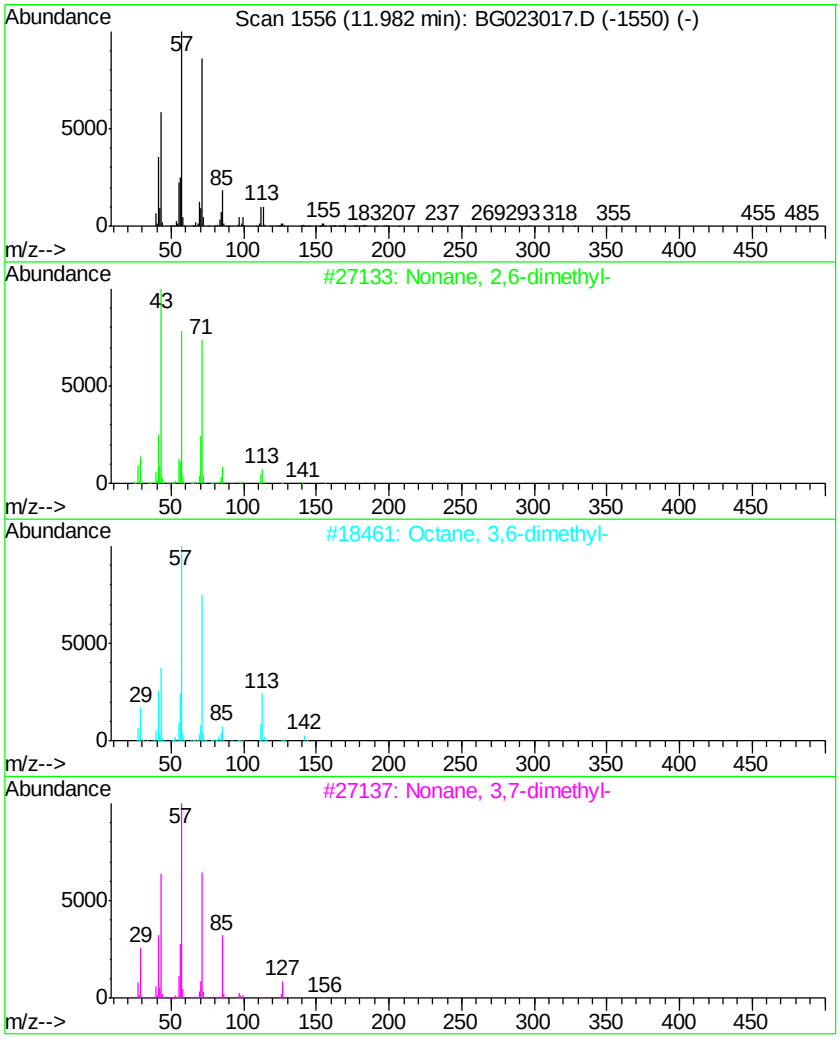
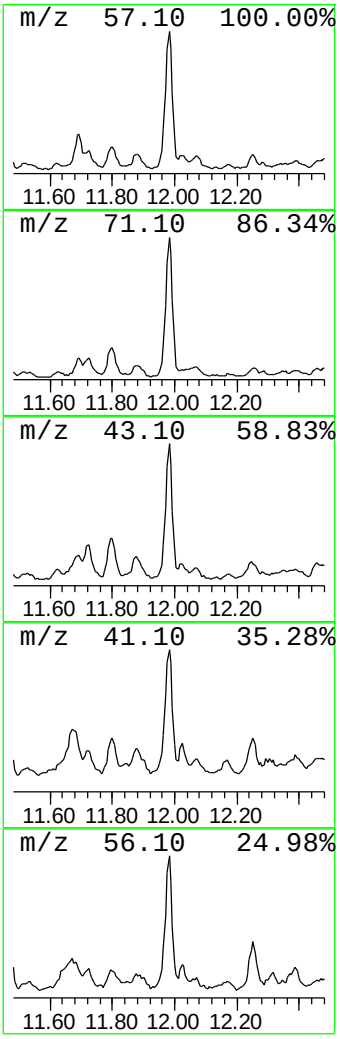
Peak Number 17 Nonane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	55.78 ng	4596080	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	80
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	59
4	Octane, 2-bromo-	192	C8H17Br	000557-35-7	59
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	53





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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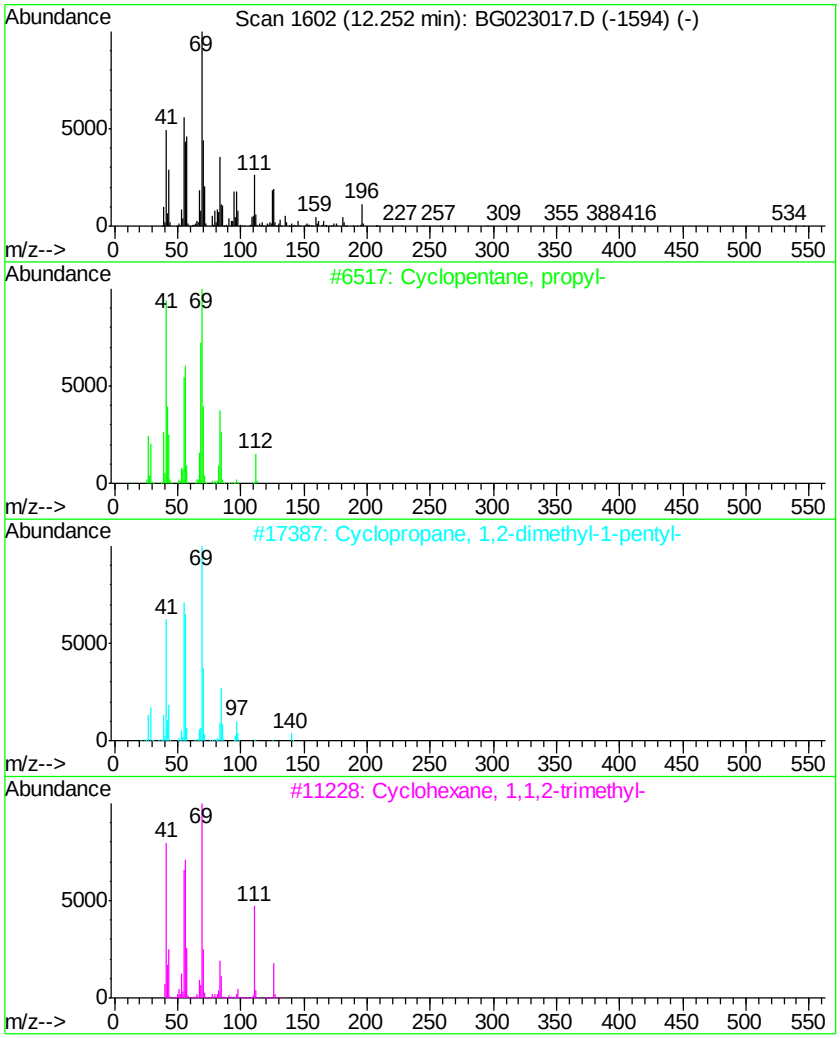
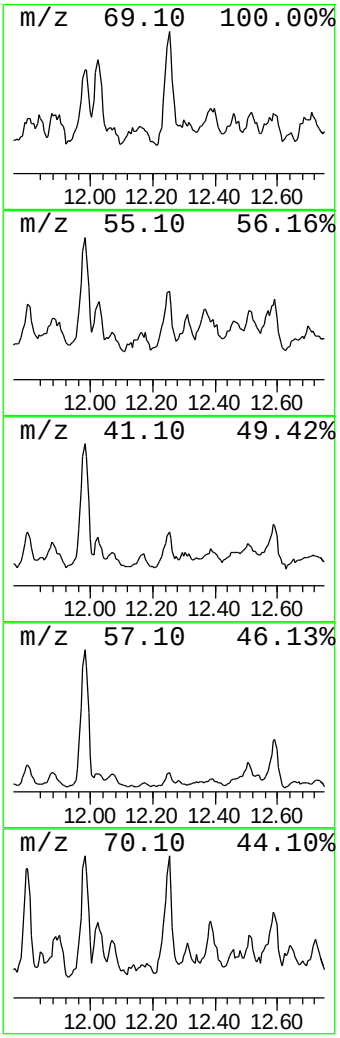
Peak Number 18 Cyclopentane, propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	27.49 ng	2264590	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	60
2	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	58
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	49
4	Isotridecanol-	200	C13H28O	027458-92-0	49
5	3-Nonene	126	C9H18	020063-77-8	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\
Data File : BG023017.D
Acq On : 12 Jul 2016 1:58
Operator : UM/SJ
Sample : H3967-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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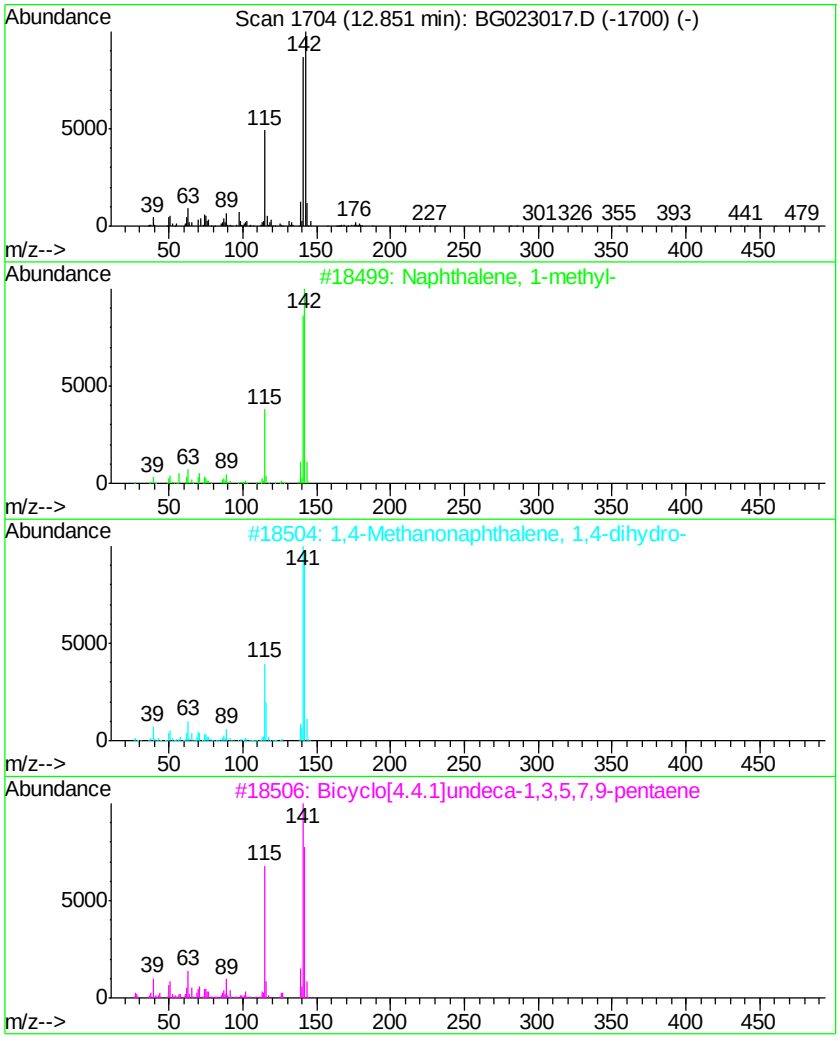
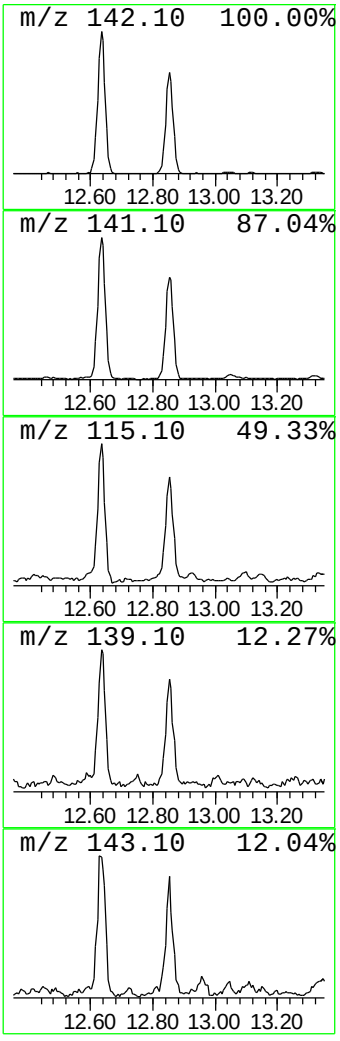
Peak Number 19 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	25.07 ng	2065450	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
5	3,4-Difluorobenzaldehyde	142	C7H4F2O	034036-07-2	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\
Data File : BG023017.D
Acq On : 12 Jul 2016 1:58
Operator : UM/SJ
Sample : H3967-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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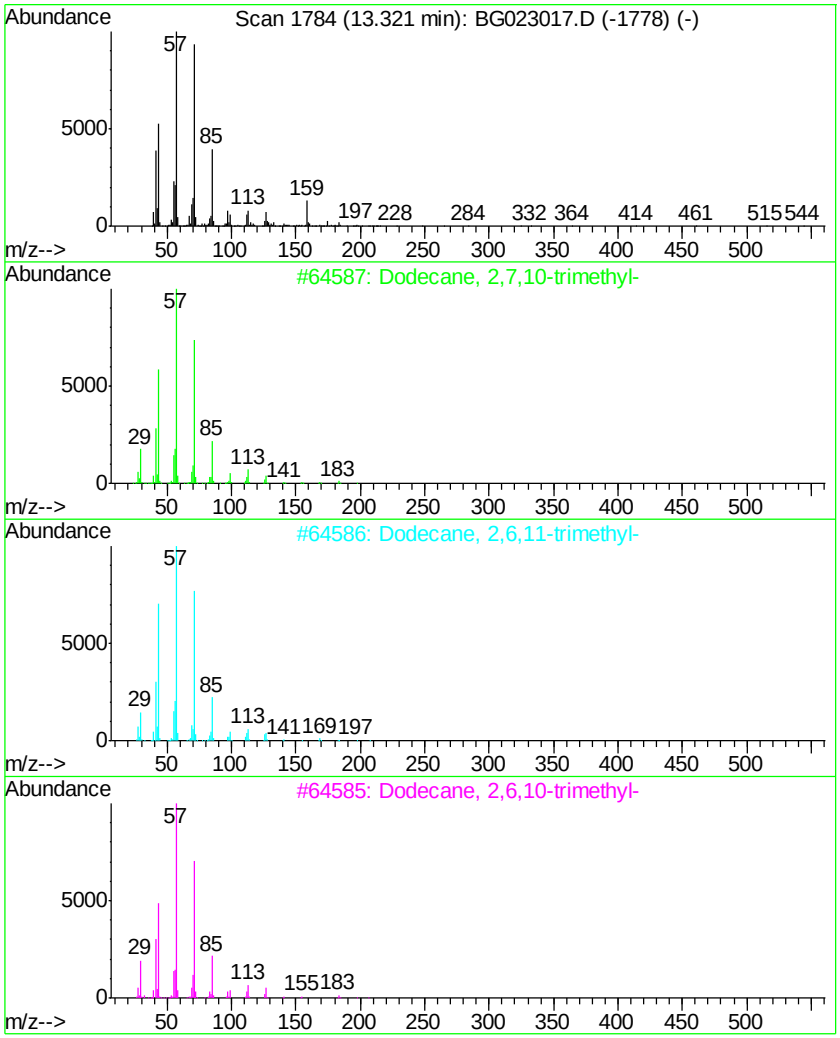
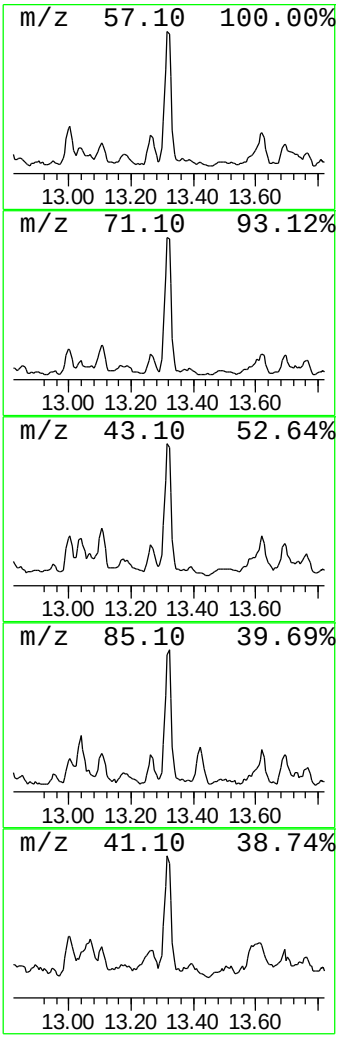
Peak Number 20 Dodecane, 2,7,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	41.96 ng	4438700	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
4	Octane, 2-bromo-	192	C8H17Br	000557-35-7	53
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071116\
Data File : BG023017.D
Acq On : 12 Jul 2016 1:58
Operator : UM/SJ
Sample : H3967-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0009

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane, 1,1,...	5.32	22.6	ng	4877210	1	8.15	4323370	20.0
Nonane, 3-methyl-	6.68	23.5	ng	5088740	1	8.15	4323370	20.0
Cyclohexanone, 2,...	6.77	26.7	ng	5763930	1	8.15	4323370	20.0
unknown7.12	7.12	30.1	ng	6510860	1	8.15	4323370	20.0
Benzene, 1-ethyl-...	7.53	27.1	ng	5849000	1	8.15	4323370	20.0
Benzene, 1,2,4-tr...	7.80	53.2	ng	11504800	1	8.15	4323370	20.0
Heptadecane, 2,6,...	9.63	36.4	ng	2998110	2	10.98	1647850	20.0
Decane, 3,7-dimet...	9.80	28.1	ng	2312600	2	10.98	1647850	20.0
Naphthalene, deca...	10.15	26.1	ng	2154490	2	10.98	1647850	20.0
Heptane, 3-ethyl-...	10.21	33.4	ng	2754390	2	10.98	1647850	20.0
Benzene, 4-ethyl-...	10.37	36.6	ng	3017440	2	10.98	1647850	20.0
Decane, 2,5,9-tri...	11.12	66.0	ng	5436550	2	10.98	1647850	20.0
Cyclohexane, 2-bu...	11.46	26.0	ng	2142370	2	10.98	1647850	20.0
Cyclohexane, (4-m...	11.68	27.7	ng	2278610	2	10.98	1647850	20.0
Nonane, 2,6-dimet...	11.98	55.8	ng	4596080	2	10.98	1647850	20.0
Cyclopentane, pro...	12.25	27.5	ng	2264590	2	10.98	1647850	20.0
Naphthalene, 1-me...	12.85	25.1	ng	2065450	2	10.98	1647850	20.0
Dodecane, 2,7,10-...	13.32	42.0	ng	4438700	3	14.80	2115910	20.0