LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062816\
Data File : BG022691.D
Acq On : 29 Jun 2016 1:06
Operator : UM/SJ
Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

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-BG062516.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	3.055	32	37	50	rBV	2499009	3484002	41.90%	2.101%
2	5.329	418	424	430	rBV2	244040	435174	5.23%	0.262%
3	5.705	480	488	495	rBV	1975643	3299712	39.68%	1.990%
4	6.093	549	554	562	rVV	228128	423087	5.09%	0.255%
5	6.410	600	608	615	rBV4	286612	776312	9.34%	0.468%
6	6.528	621	628	634	rVB2	207414	422878	5.09%	0.255%
7	6.616	639	643	647	rBV3	198498	372959	4.48%	0.225%
8	6.692	652	656	661	rVB2	723560	992771	11.94%	0.599%
9	6.804	667	675	684	rVB4	726406	1510973	18.17%	0.911%
10	7.016	707	711	713	rBV3	248443	373248	4.49%	0.225%
11	7.127	723	730	744	rVB4	300745	672583	8.09%	0.406%
12	7.303	753	760	773	rVB	2666176	5188173	62.39%	3.128%
13	7.468	785	788	795	rVB4	209375	424968	5.11%	0.256%
14	7.538	795	800	803	rBV4	203496	346298	4.16%	0.209%
15	7.597	803	810	813	rBV5	168095	328123	3.95%	0.198%
16	7.685	820	825	841	rVB	2227581	4695202	56.46%	2.831%
17	7.873	853	857	862	rVB3	232043	386118	4.64%	0.233%
18	7.973	862	874	880	rBV6	230418	634167	7.63%	0.382%
19	8.061	881	889	894	rBV5	302393	904992	10.88%	0.546%
20	8.126	894	900	904	rBV	1584874	2416824	29.06%	1.457%
21	8.220	910	916	922	rVB4	399793	868271	10.44%	0.524%
22	8.291	922	928	931	rBV5	205770	472928	5.69%	0.285%
23	8.338	931	936	941	rVV4	629246	1007215	12.11%	0.607%
24	8.402	941	947	951	rBV2	445778	754948	9.08%	0.455%
25	8.490	956	962	971	rVB2	1690130	3537170	42.53%	2.133%
26	8.584	971	978	979	rBV3	279394	463336	5.57%	0.279%
27	8.719	997	1001	1010	rVB2	487534	921639	11.08%	0.556%
28	8.943	1033	1039	1045	rBV9	149418	419319	5.04%	0.253%
29	9.001	1045	1049	1055	rBV3	520492	1112250	13.37%	0.671%
30	9.148	1067	1074	1077	rBV5	185362	376427	4.53%	0.227%
31	9.272	1084	1095	1100	rBV3	1236575	3233094	38.88%	1.949%
32	9.331	1100	1105	1116	rVB2	1360705	3231294	38.86%	1.948%
33	9.430	1117	1122	1126	rVB4	266795	475703	5.72%	0.287%
34	9.477	1126	1130	1132	rBV2	535747	828917	9.97%	0.500%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

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-BG062516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.589	1144	1149	1152	rBV4	269207	532693	6.41%	0.321%
36	9.630	1152	1156	1163	rVV5	552451	1183027	14.23%	0.713%
37	9.736	1165	1174	1179	rVV7	319484	1084204	13.04%	0.654%
38	9.801	1179	1185	1192	rVV2	1216173	2328681	28.00%	1.404%
39	9.895	1197	1201	1211	rVB4	817632	1957634	23.54%	1.180%
40	10.041	1218	1226	1231	rBV4	488354	1270218	15.27%	0.766%
41	10.094	1231	1235	1239	rVV3	431345	701476	8.44%	0.423%
42	10.159	1239	1246	1252	rVV4	899999	1839577	22.12%	1.109%
43	10.294	1259	1269	1271	rBV6	269824	682823	8.21%	0.412%
44	10.406	1279	1288	1290	rBV5	314440	730675	8.79%	0.441%
45	10.553	1307	1313	1322	rVB8	490926	1338677	16.10%	0.807%
46	10.694	1330	1337	1342	rVB5	526119	1282621	15.42%	0.773%
47	10.758	1342	1348	1352	rBV5	422751	769207	9.25%	0.464%
48	10.829	1356	1360	1363	rVV4	460951	724132	8.71%	0.437%
49	10.864	1364	1366	1373	rVV4	416132	719497	8.65%	0.434%
50	10.935	1374	1378	1383	rVV7	464154	1100559	13.23%	0.664%
51	10.987	1383	1387	1393	rVV2	858809	1655571	19.91%	0.998%
52	11.052	1393	1398	1401	rVV3	364523	614416	7.39%	0.370%
53	11.128	1405	1411	1417	rVB	3657124	6269794	75.39%	3.780%
54	11.193	1417	1422	1429	rBV5	836708	1990197	23.93%	1.200%
55	11.352	1443	1449	1453	rBV6	344971	817981	9.84%	0.493%
56	11.405	1454	1458	1462	rVV4	301292	565233	6.80%	0.341%
57	11.475	1465	1470	1475	rVB4	818582	1557444	18.73%	0.939%
58	11.522	1475	1478	1481	rBV3	261694	368234	4.43%	0.222%
59	11.640	1494	1498	1501	rBV4	393907	728443	8.76%	0.439%
60	11.810	1522	1527	1532	rBV5	559455	1071568	12.89%	0.646%
61	11.986	1552	1557	1561	rBV	3614644	5678818	68.29%	3.424%
62	12.027	1561	1564	1569	rVV3	1109730	1783326	21.44%	1.075%
63	12.074	1569	1572	1578	rVB4	556744	907733	10.92%	0.547%
64	12.168	1584	1588	1594	rVB6	594702	1042373	12.53%	0.628%
65	12.256	1598	1603	1607	rVV3	523777	934145	11.23%	0.563%
66	12.515	1644	1647	1652	rVV2	494488	829640	9.98%	0.500%
67	12.597	1655	1661	1667	rVB	1686253	3386773	40.73%	2.042%
68	12.785	1689	1693	1694	rBV3	298613	425210	5.11%	0.256%
69	13.003	1725	1730	1734	rBV	964143	1618412	19.46%	0.976%
70	13.320	1779	1784	1791	rBV	3942557	5699072	68.53%	3.436%
71	13.420	1796	1801	1806	rVB	3287596	5046354	60.68%	3.043%

LSC Area Percent Report

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Data File : BG022691.D
Acq On : 29 Jun 2016 1:06
Operator : UM/SJ
Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

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-BG062516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.625	1826	1836	1841	rBV4	1167889	2977582	35.81%	1.795%
73	13.696	1845	1848	1853	rVB4	393288	743291	8.94%	0.448%
74	13.843	1870	1873	1880	rVB5	566889	898102	10.80%	0.541%
75	13.996	1895	1899	1903	rBV2	532575	804249	9.67%	0.485%
76	14.172	1925	1929	1934	rVB4	719385	1041576	12.53%	0.628%
77	14.260	1935	1944	1949	rVV2	3936756	7385742	88.81%	4.453%
78	14.313	1949	1953	1959	rVB6	545994	985758	11.85%	0.594%
79	14.472	1977	1980	1985	rVB3	391061	557129	6.70%	0.336%
80	14.624	2000	2006	2010	rBV4	547398	1113574	13.39%	0.671%
81	14.748	2023	2027	2030	rBV2	643343	1044913	12.57%	0.630%
82	14.795	2032	2035	2041	rVB2	1292458	2120169	25.50%	1.278%
83	14.877	2045	2049	2052	rBV3	496755	630708	7.58%	0.380%
84	15.012	2068	2072	2078	rVB3	456778	772327	9.29%	0.466%
85	15.177	2096	2100	2104	rVB	634146	868495	10.44%	0.524%
86	15.300	2116	2121	2127	rBV5	766528	1483350	17.84%	0.894%
87	15.676	2182	2185	2190	rVB4	425875	685779	8.25%	0.413%
88	15.729	2191	2194	2204	rVB3	459818	904986	10.88%	0.546%
89	16.034	2240	2246	2252	rVB	2463982	4017990	48.32%	2.423%
90	16.252	2279	2283	2285	rBV	396307	528357	6.35%	0.319%
91	16.287	2285	2289	2295	rVB	3055397	4460573	53.64%	2.689%
92	16.516	2320	2328	2333	rBV	3249525	5223388	62.81%	3.149%
93	17.104	2425	2428	2432	rVV2	266780	362832	4.36%	0.219%
94	17.339	2463	2468	2473	rVB	1265905	1860212	22.37%	1.122%
95	17.556	2498	2505	2513	rBV	1544223	2629883	31.62%	1.586%
96	17.950	2568	2572	2578	rVB2	394842	569054	6.84%	0.343%
97	18.426	2649	2653	2657	rBV2	265779	328006	3.94%	0.198%
98	20.153	2941	2947	2953	rVB	6047070	8315973	100.00%	5.014%
99	21.845	3229	3235	3243	rVB2	1630294	2817996	33.89%	1.699%
100	25.200	3796	3806	3817	rBV3	898081	2695853	32.42%	1.625%

Sum of corrected areas: 165855360

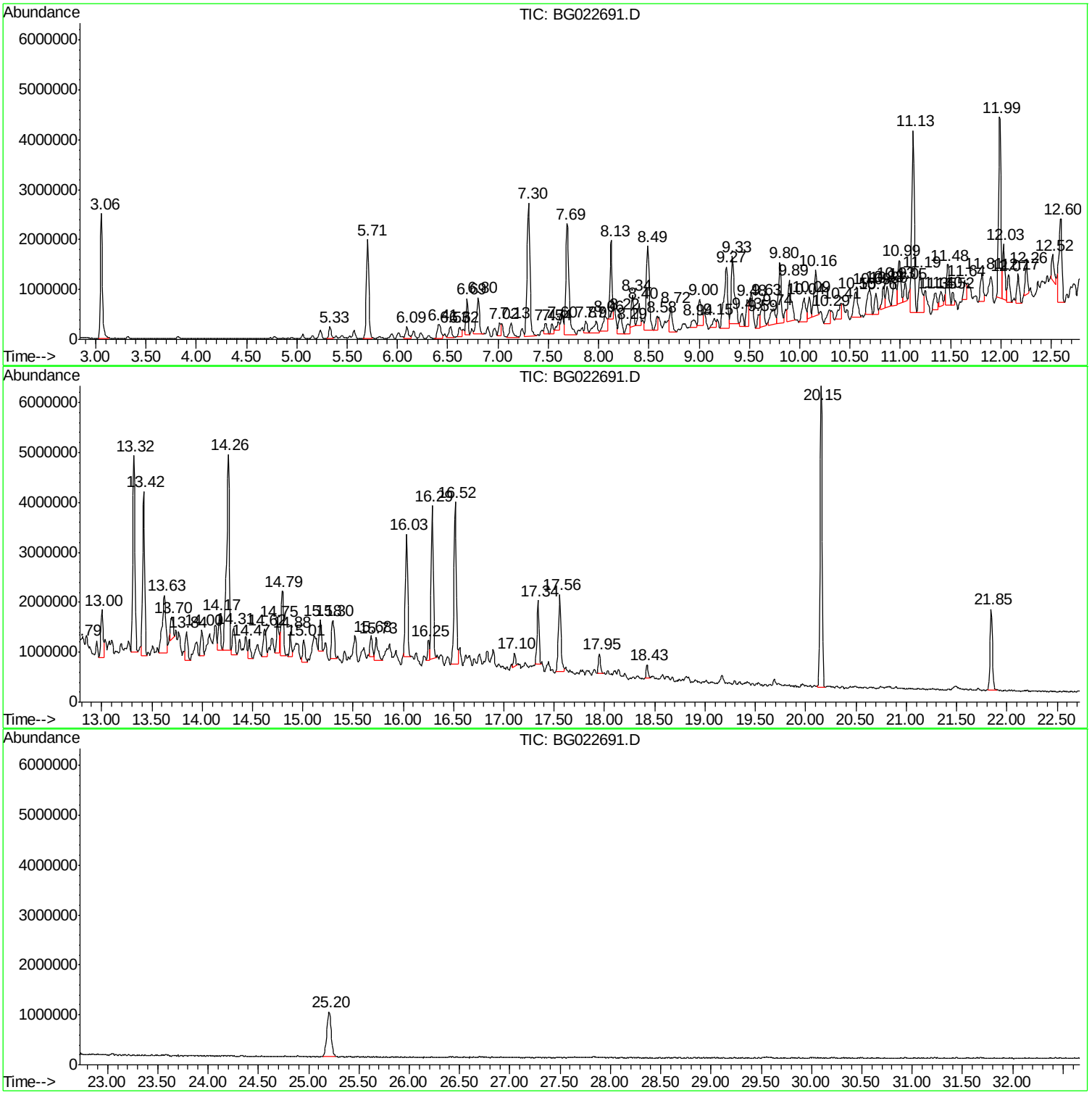
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062816\
Data File : BG022691.D
Acq On : 29 Jun 2016 1:06
Operator : UM/SJ
Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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\BG062816\
Data File : BG022691.D
Acq On : 29 Jun 2016 1:06
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Sample : H3768-02
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

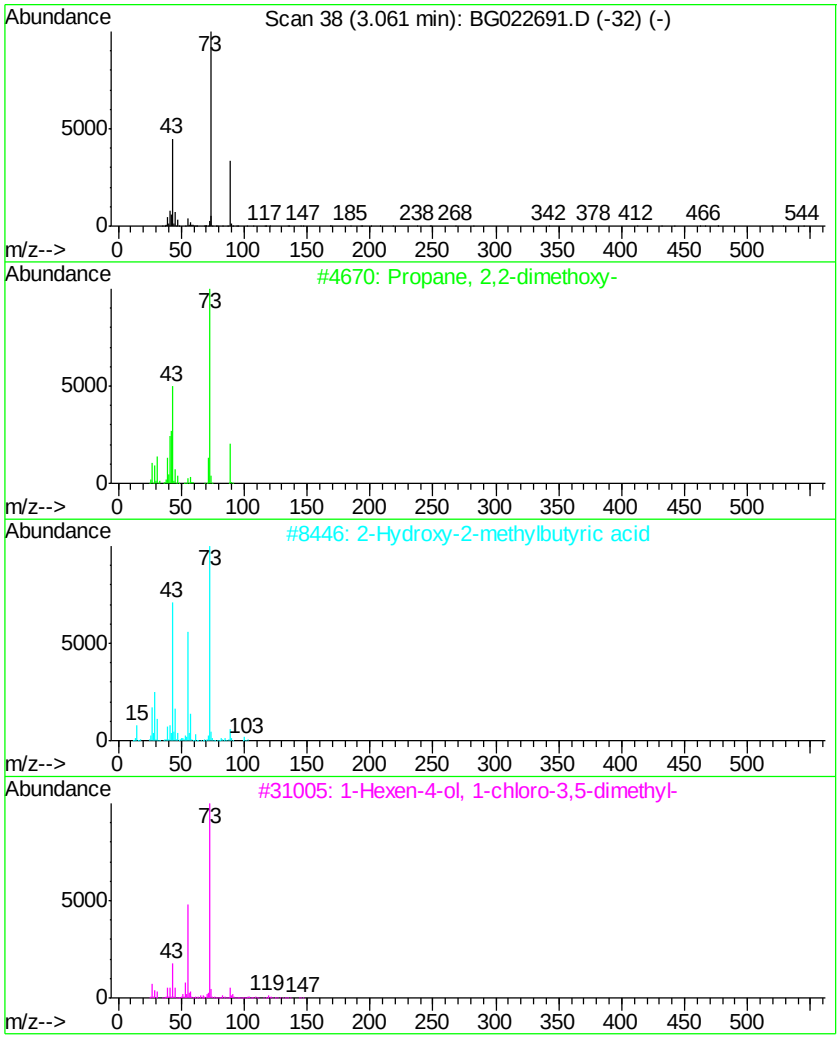
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

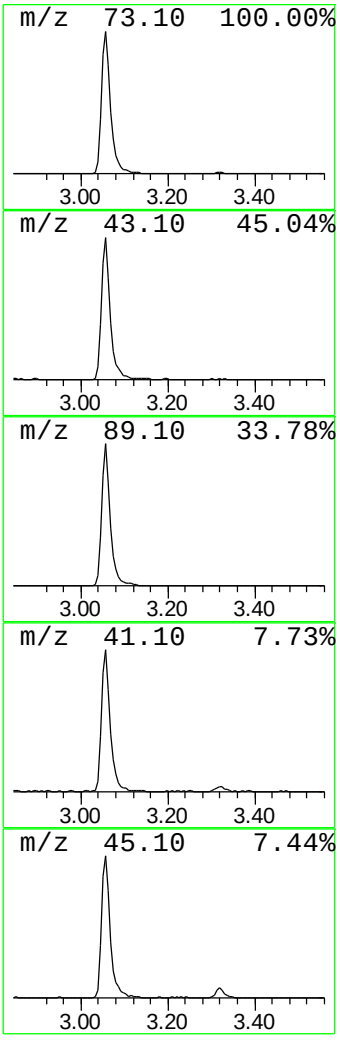
****

Peak Number 1 unknown3.06 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.06	28.83 ng	3484000	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
3	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	5





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062816\
Data File : BG022691.D
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Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

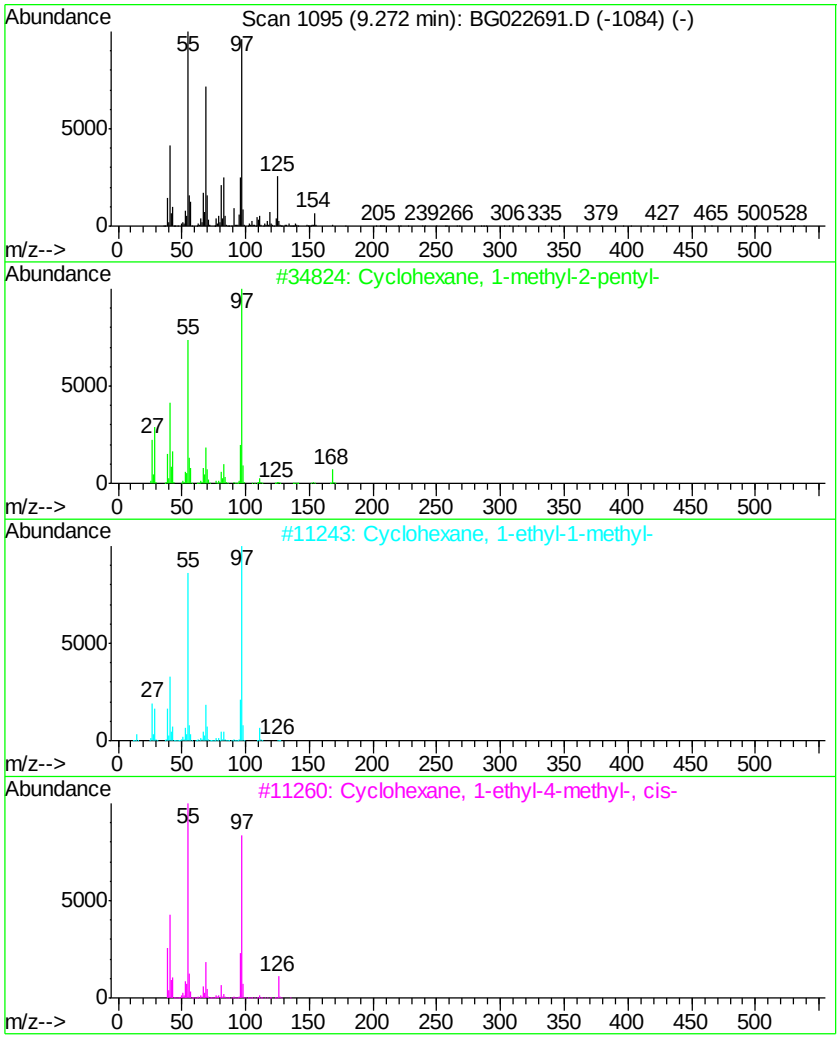
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

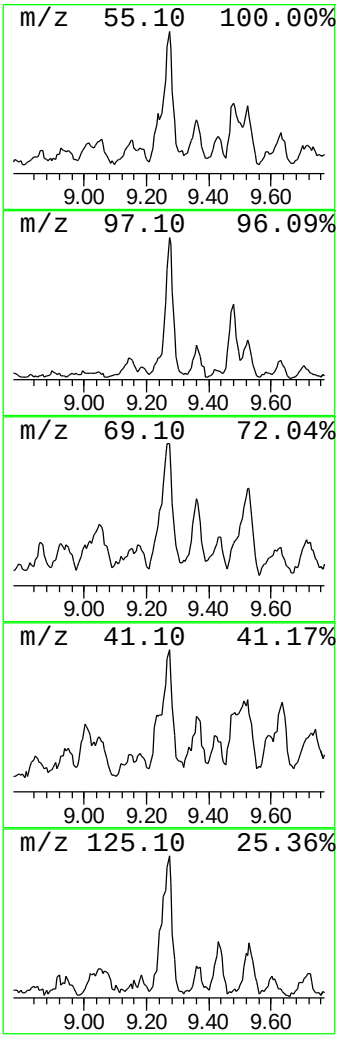
****

Peak Number 4 Cyclohexane, 1-methyl-2-pen... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	26.75 ng	3233090	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	53
2	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	53
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	50
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	50





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Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

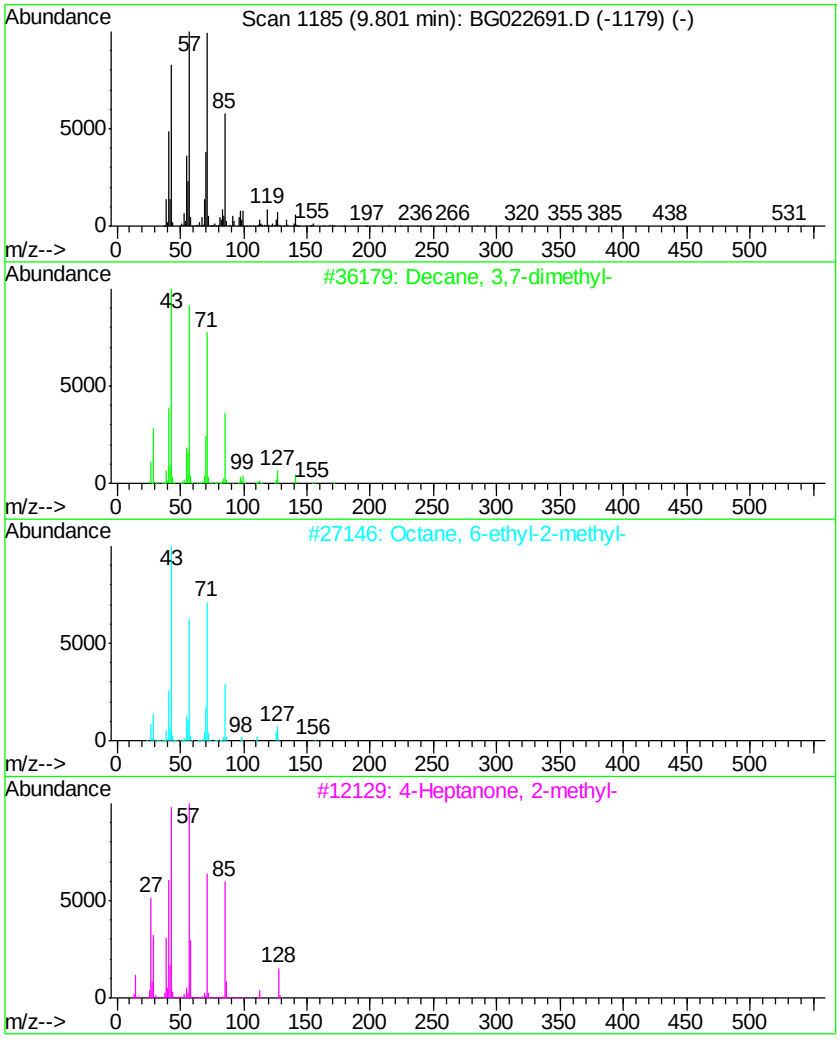
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

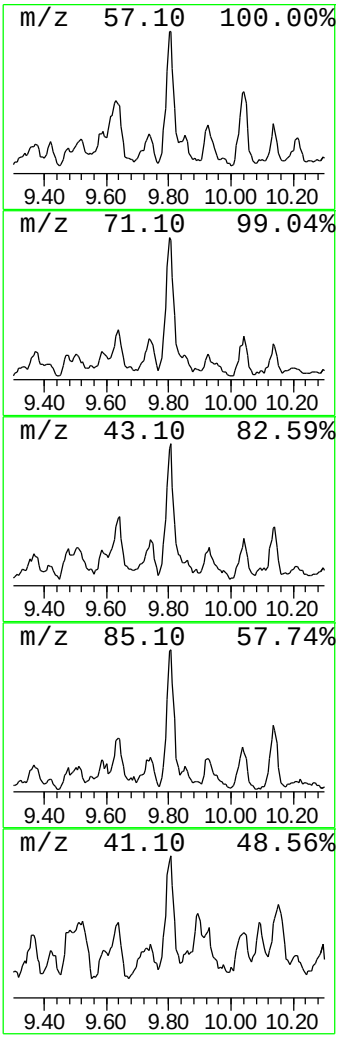
****

Peak Number 5 Decane, 3,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	28.13 ng	2328680	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	90
2	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	53
3	4-Heptanone, 2-methyl-	128	C8H16O	000626-33-5	50
4	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	50
5	Undecane, 4-methyl-	170	C12H26	002980-69-0	50





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Acq On : 29 Jun 2016 1:06
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Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

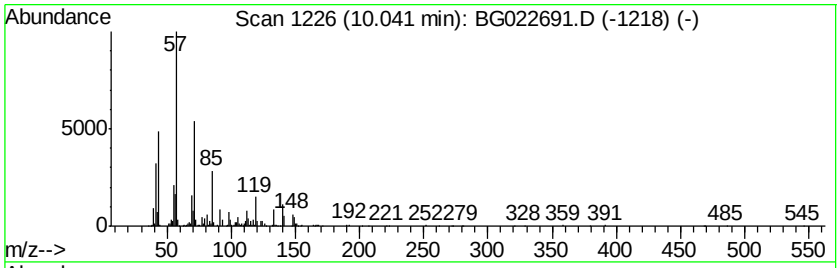
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

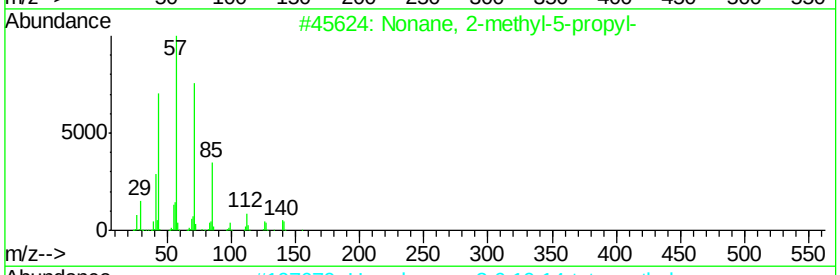
****

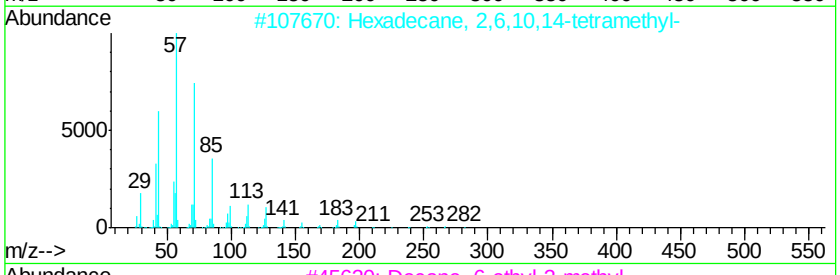
Peak Number 7 Nonane, 2-methyl-5-propyl- Concentration Rank 20

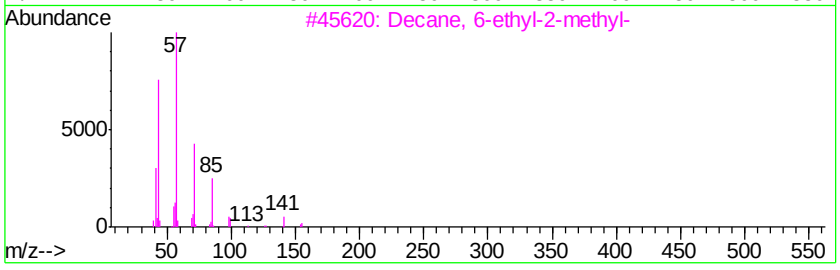
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	15.34 ng	1270220	Naphthalene-d8	10.99

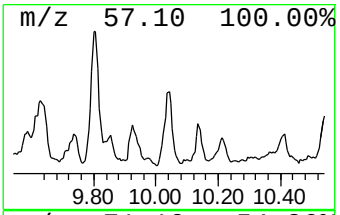
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	53
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	53
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	53
4	Decane, 5-propyl-	184	C13H28	017312-62-8	53
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	50

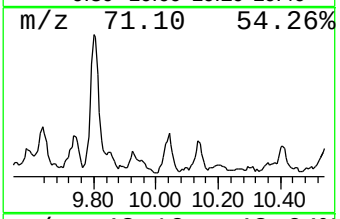


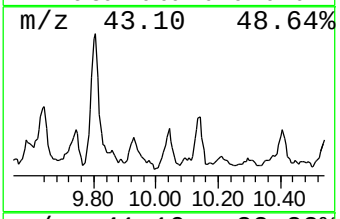


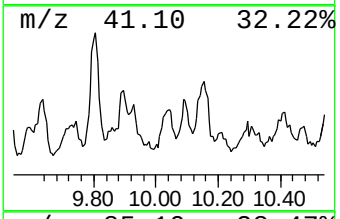


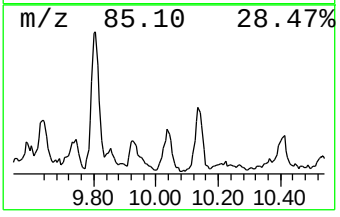












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Acq On : 29 Jun 2016 1:06
Operator : UM/SJ
Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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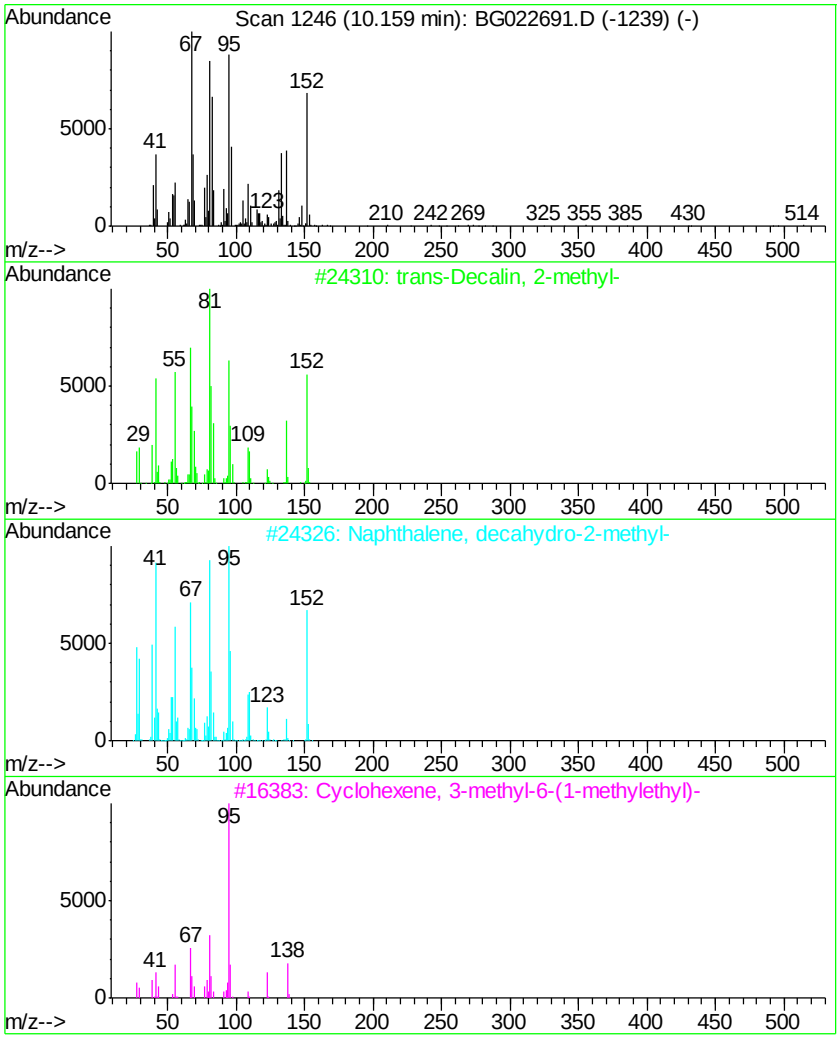
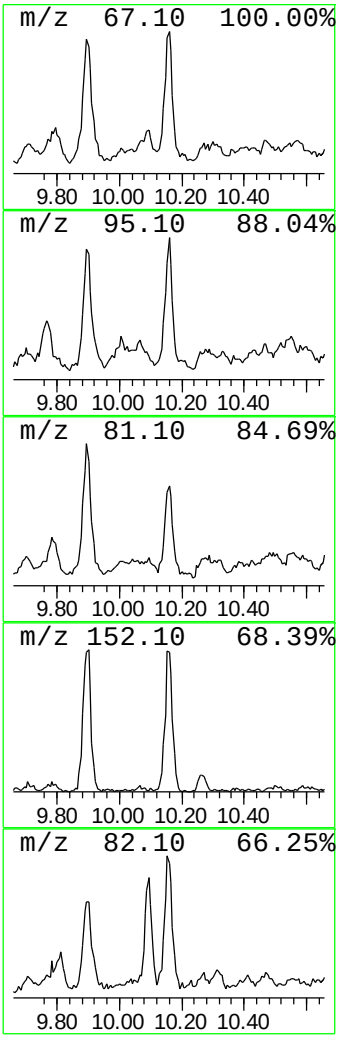
Peak Number 8 trans-Decalin, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	22.22 ng	1839580	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	62
3	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	60
4	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	55
5	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	52





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Operator : UM/SJ
Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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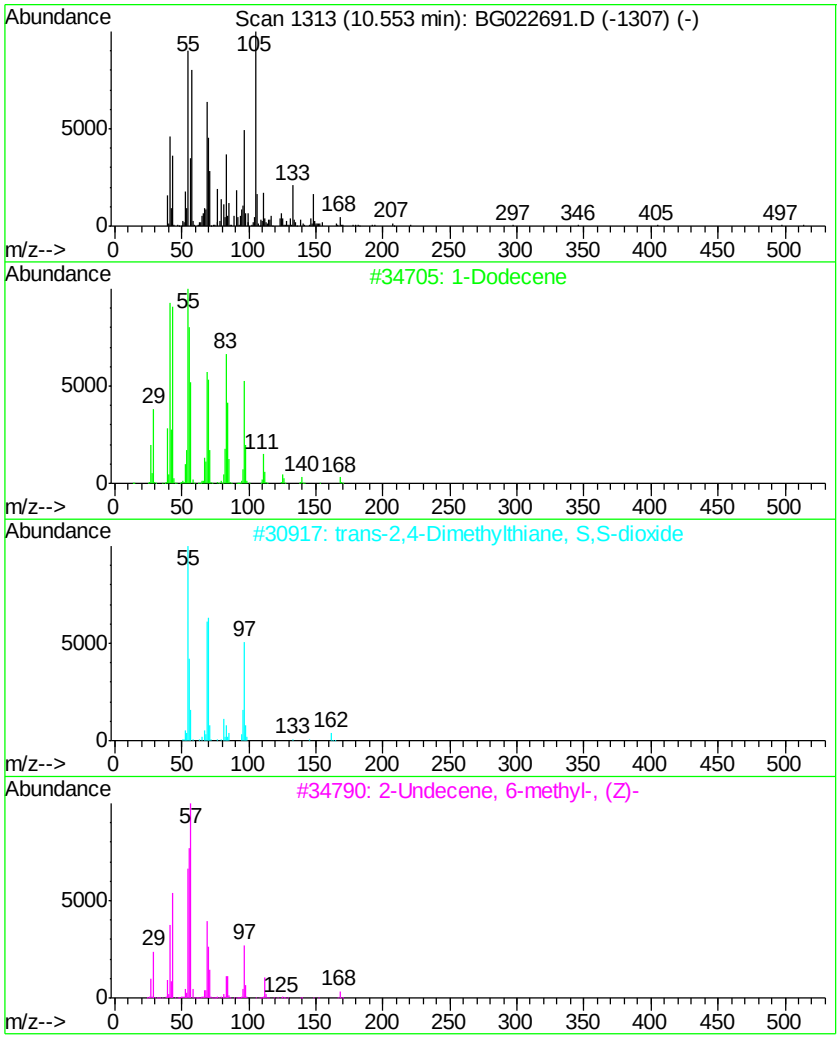
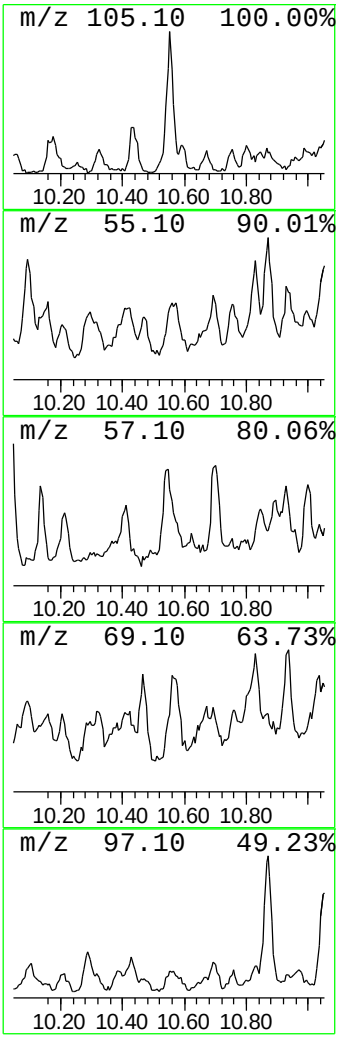
Peak Number 9 unknown10.55 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	16.17 ng	1338680	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecene	168	C12H24	000112-41-4	47
2	trans-2,4-Dimethylthiane, S,S-di...	162	C7H14O2S	1000215-67-6	38
3	2-Undecene, 6-methyl-, (Z)-	168	C12H24	074630-43-6	38
4	Cyclopropane, 1-butyl-2-pentyl-,...	168	C12H24	074663-88-0	25
5	Nopyl acetate	208	C13H20O2	000128-51-8	22





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Acq On : 29 Jun 2016 1:06
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Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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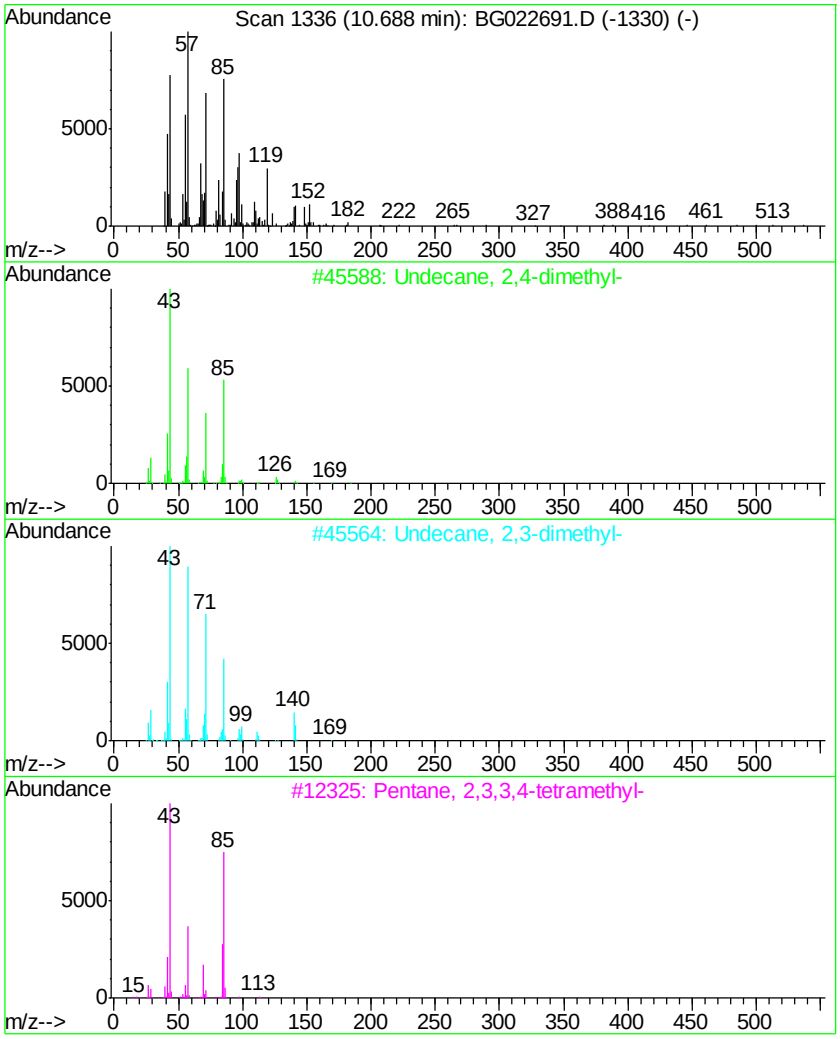
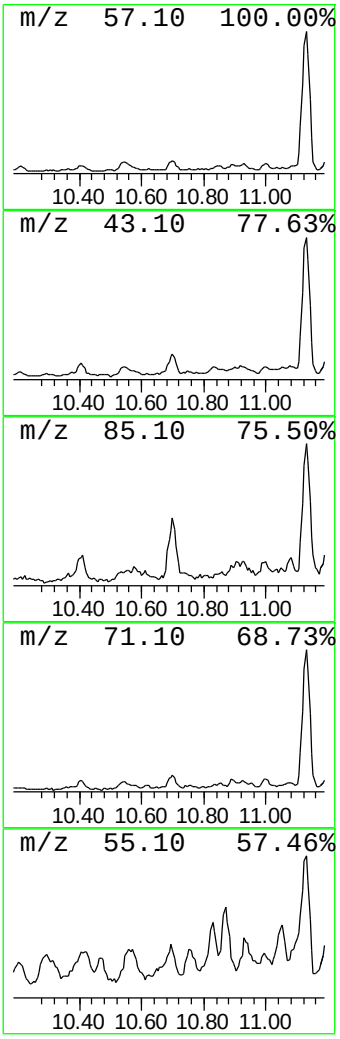
Peak Number 10 unknown10.69 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	15.49 ng	1282620	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	38
2	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	27
3	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	27
4	Tetrahydrofuran, 2-ethyl-5-methyl-	114	C7H14O	000931-39-5	22
5	Pentane, 3-ethyl-3-methyl-	114	C8H18	001067-08-9	22





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Acq On : 29 Jun 2016 1:06
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Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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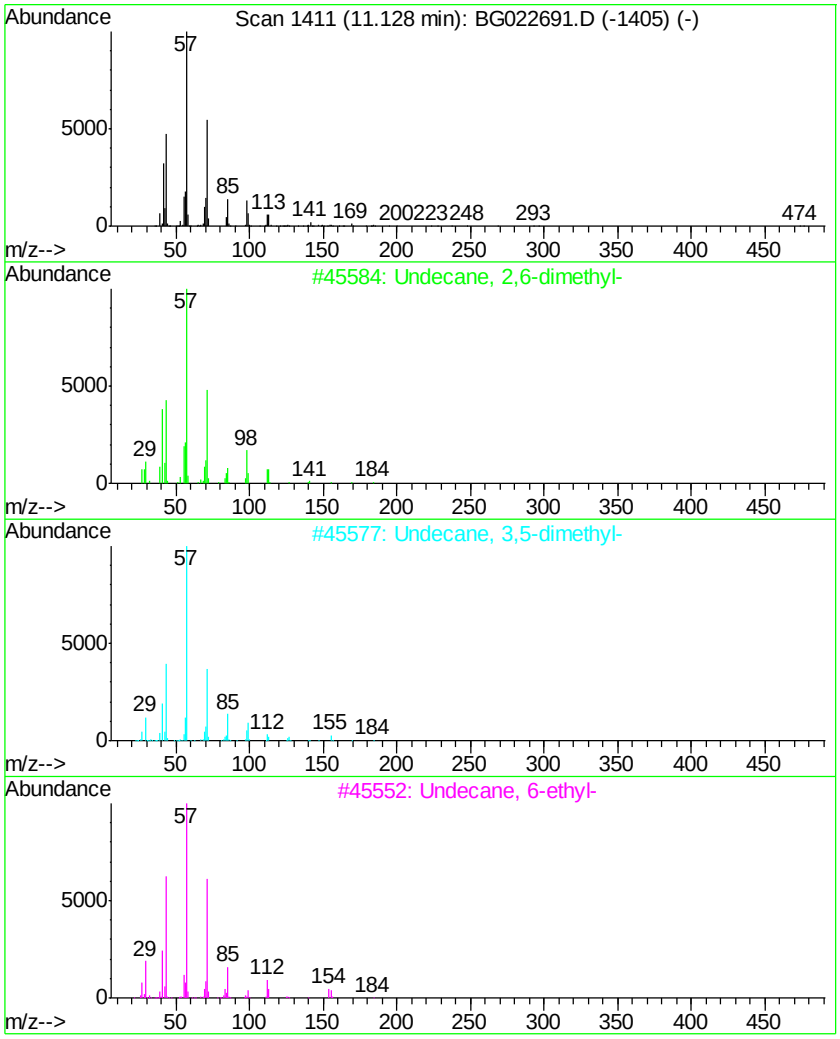
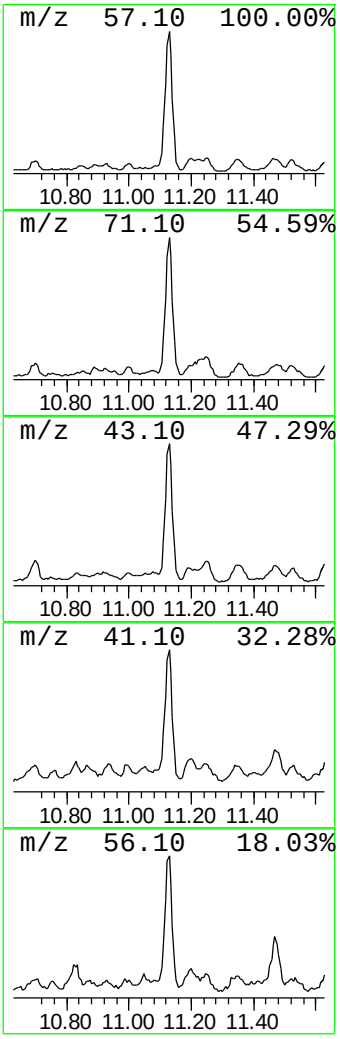
Peak Number 11 Undecane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	75.74 ng	6269790	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
2	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	86
3	Undecane, 6-ethyl-	184	C13H28	017312-60-6	78
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	59
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	53





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Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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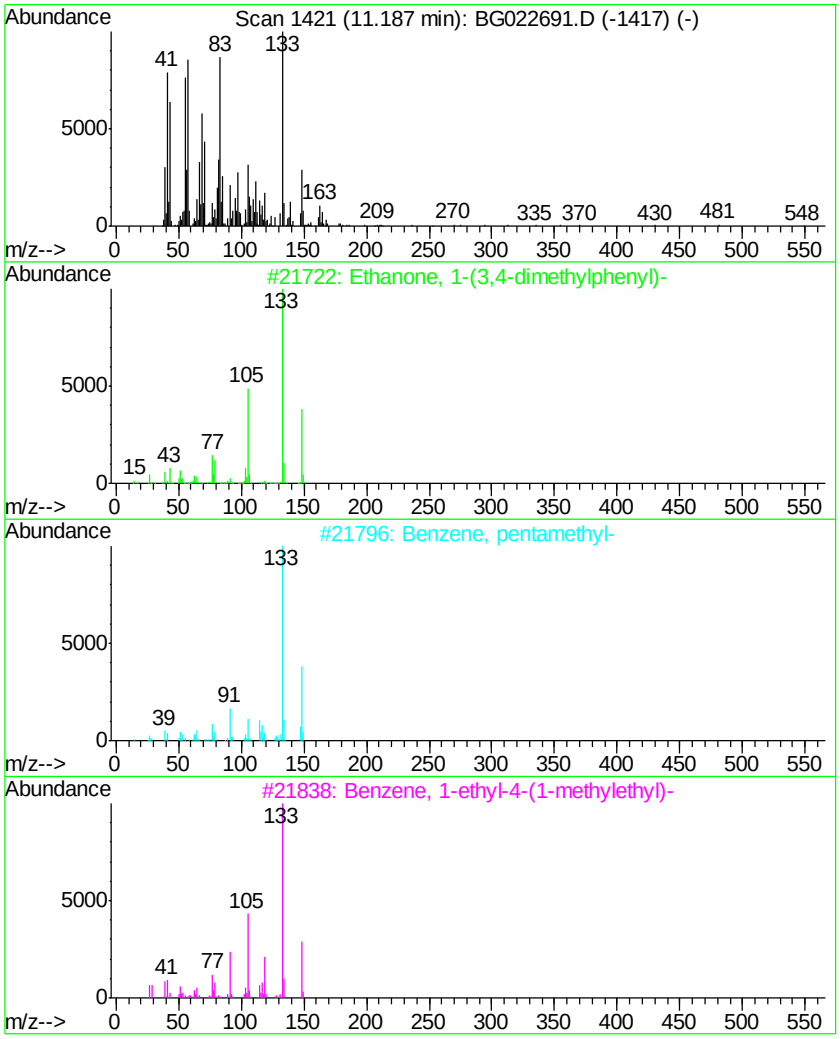
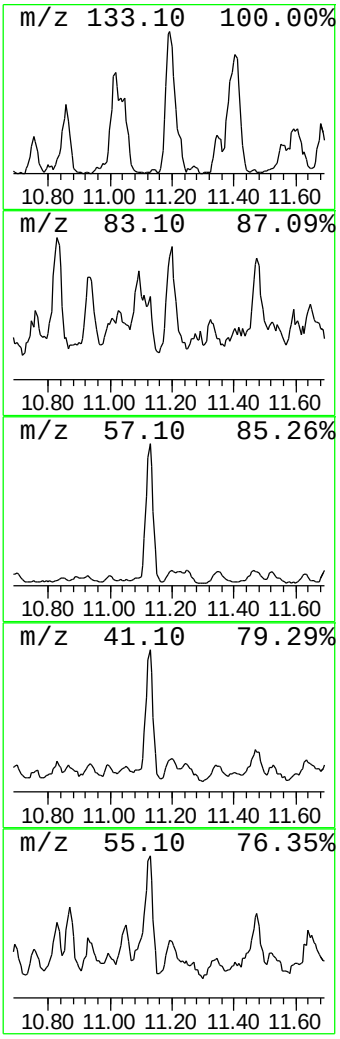
Peak Number 12 unknown11.19 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	24.04 ng	1990200	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	38
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	38
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	38
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	38
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	38





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Acq On : 29 Jun 2016 1:06
Operator : UM/SJ
Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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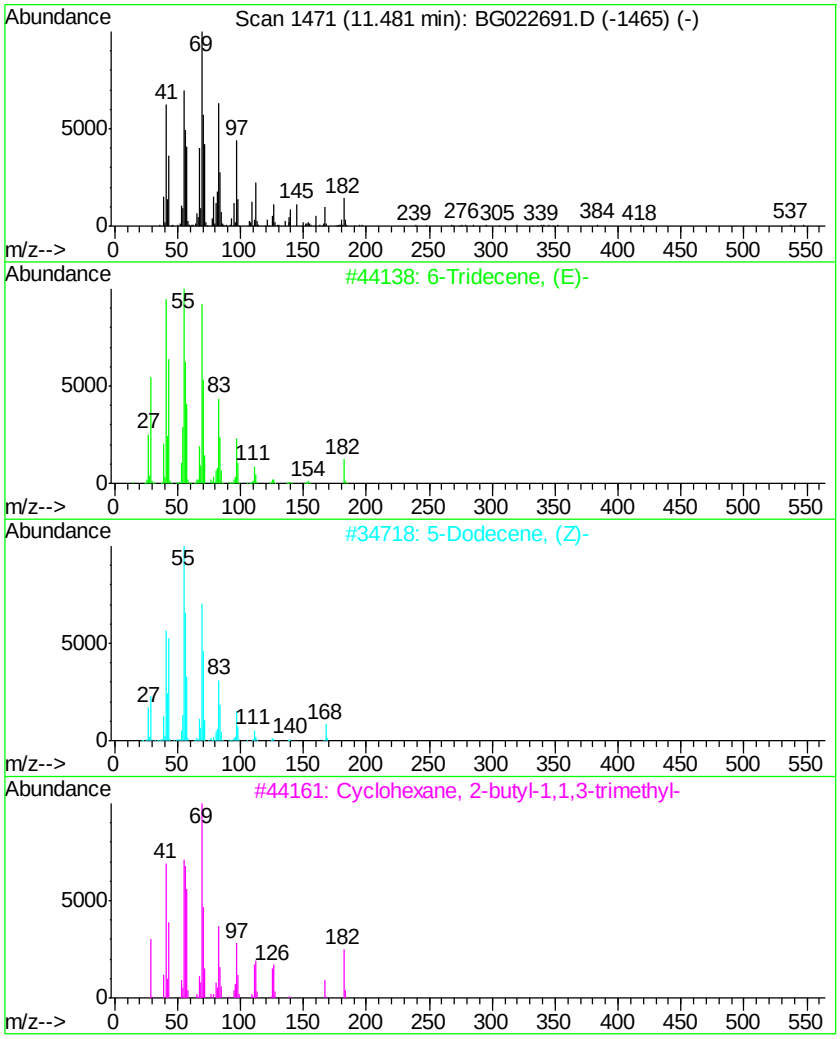
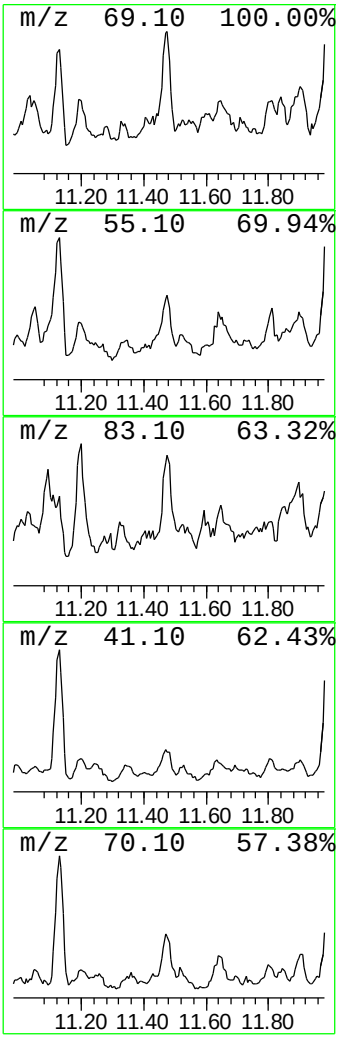
Peak Number 13 6-Tridecene, (E)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	18.81 ng	1557440	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Tridecene, (E)-	182	C13H26	006434-76-0	91
2	5-Dodecene, (Z)-	168	C12H24	007206-28-2	86
3	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	83
4	3-Dodecene, (E)-	168	C12H24	007206-14-6	64
5	Cyclopentane, propyl-	112	C8H16	002040-96-2	64





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Operator : UM/SJ
Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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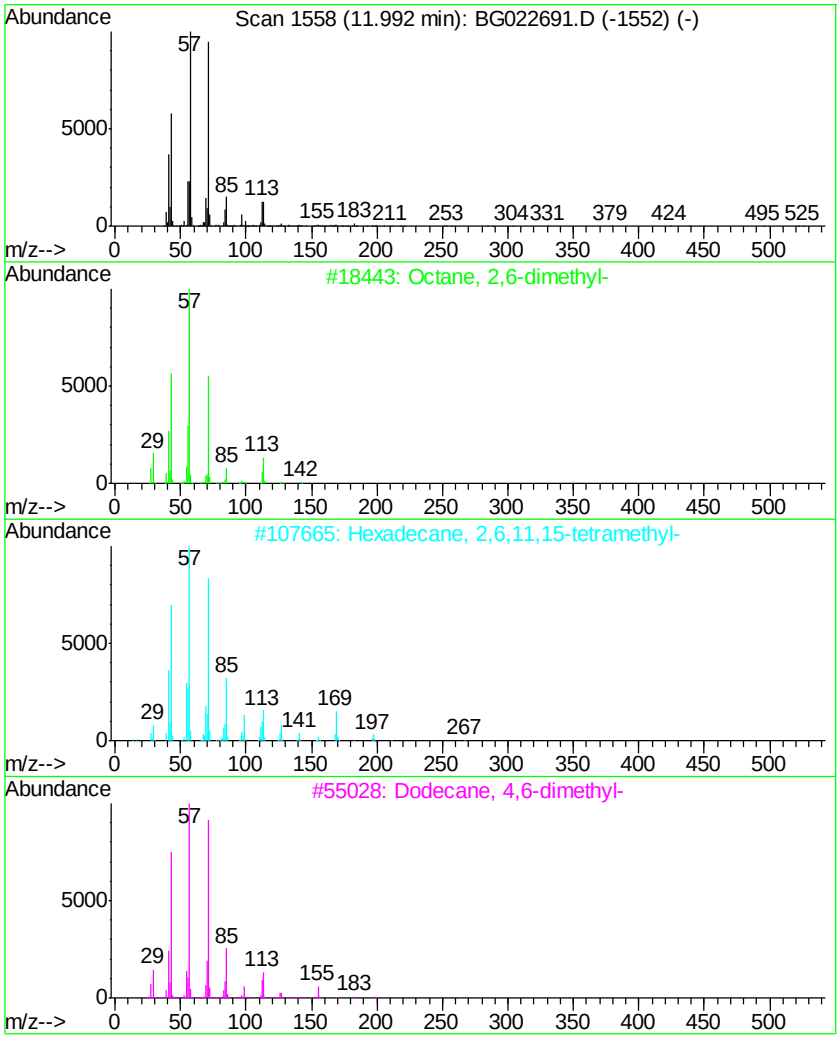
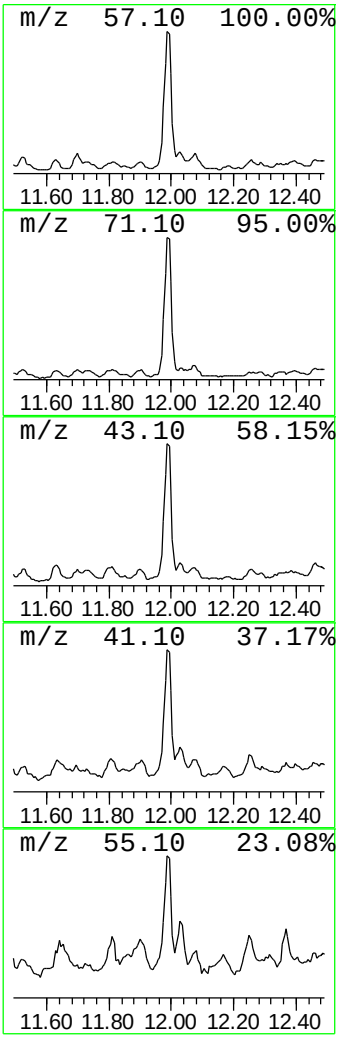
Peak Number 14 Octane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	68.60 ng	5678820	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	83
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	80
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78
5	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	72





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Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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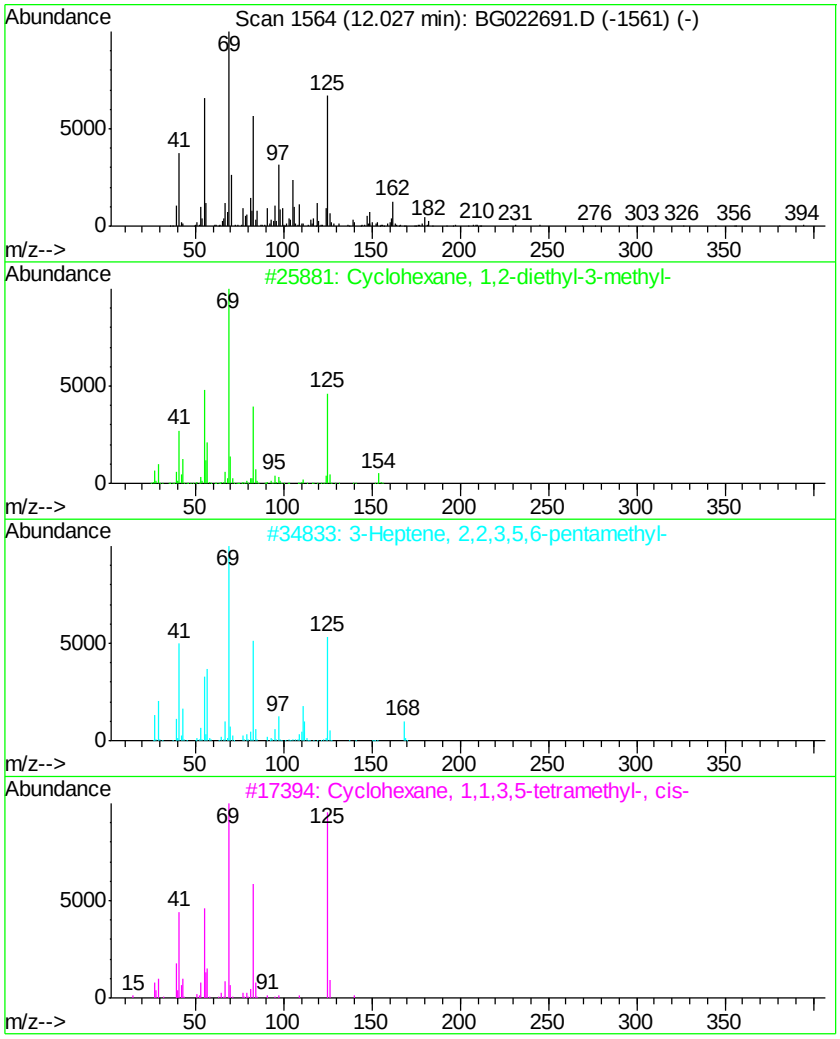
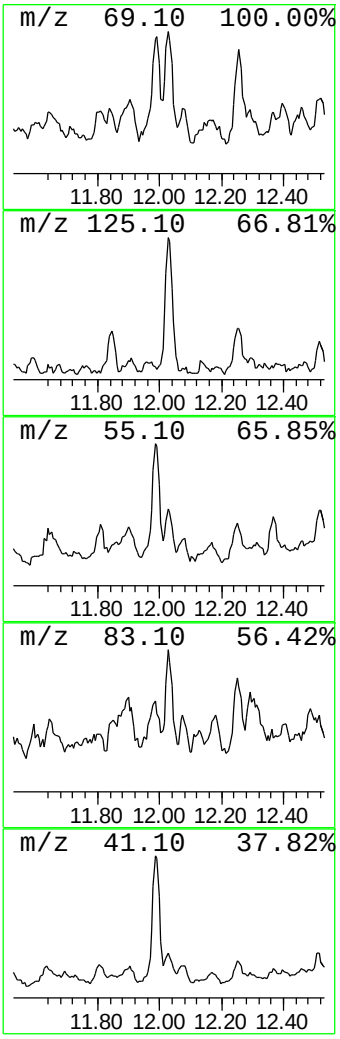
Peak Number 15 Cyclohexane, 1,2-diethyl-3-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	21.54 ng	1783330	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	53
2	3-Heptene, 2,2,3,5,6-pentamethyl-	168	C12H24	116164-06-8	53
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	52
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	50
5	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	49





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Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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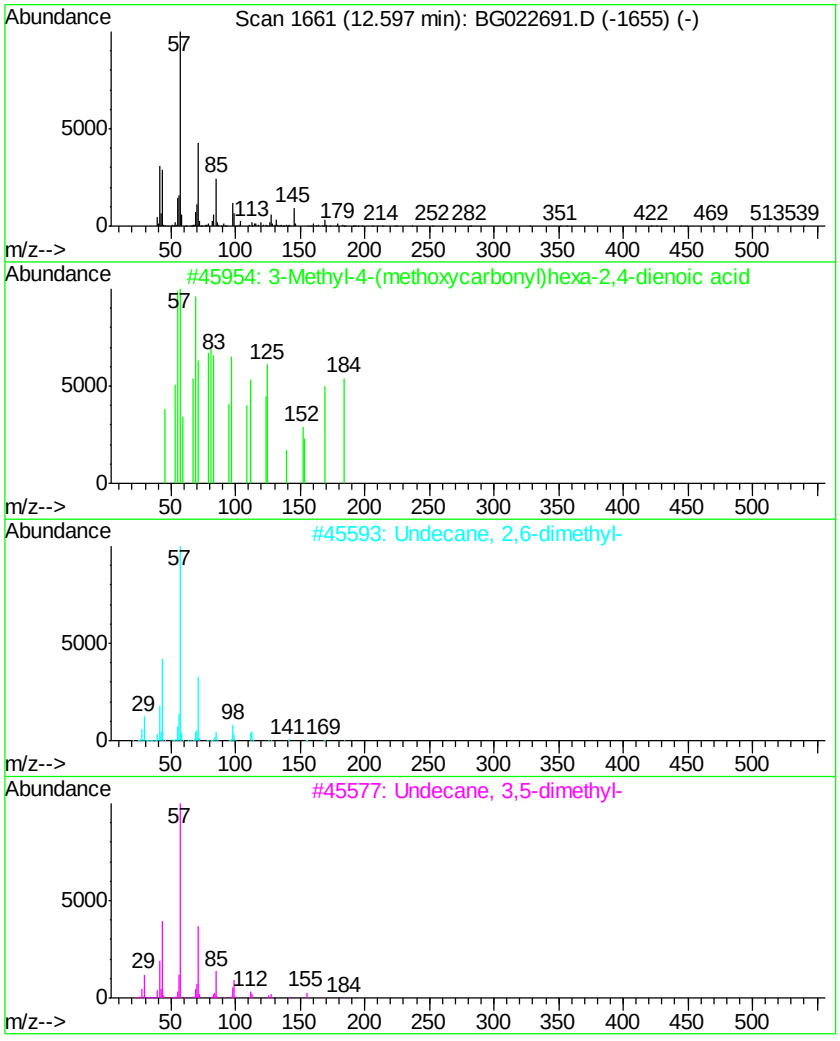
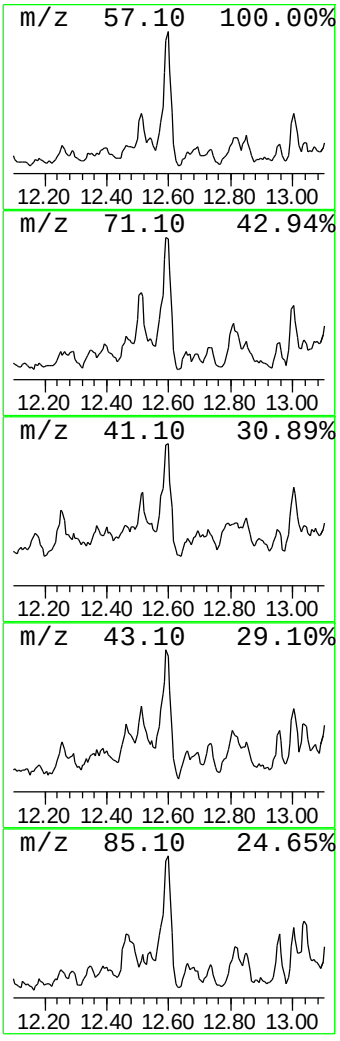
Peak Number 16 3-Methyl-4-(methoxycarbonyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	40.91 ng	3386770	Naphthalene-d8	10.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	83
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	68
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64
4	Undecane	156	C11H24	001120-21-4	64
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

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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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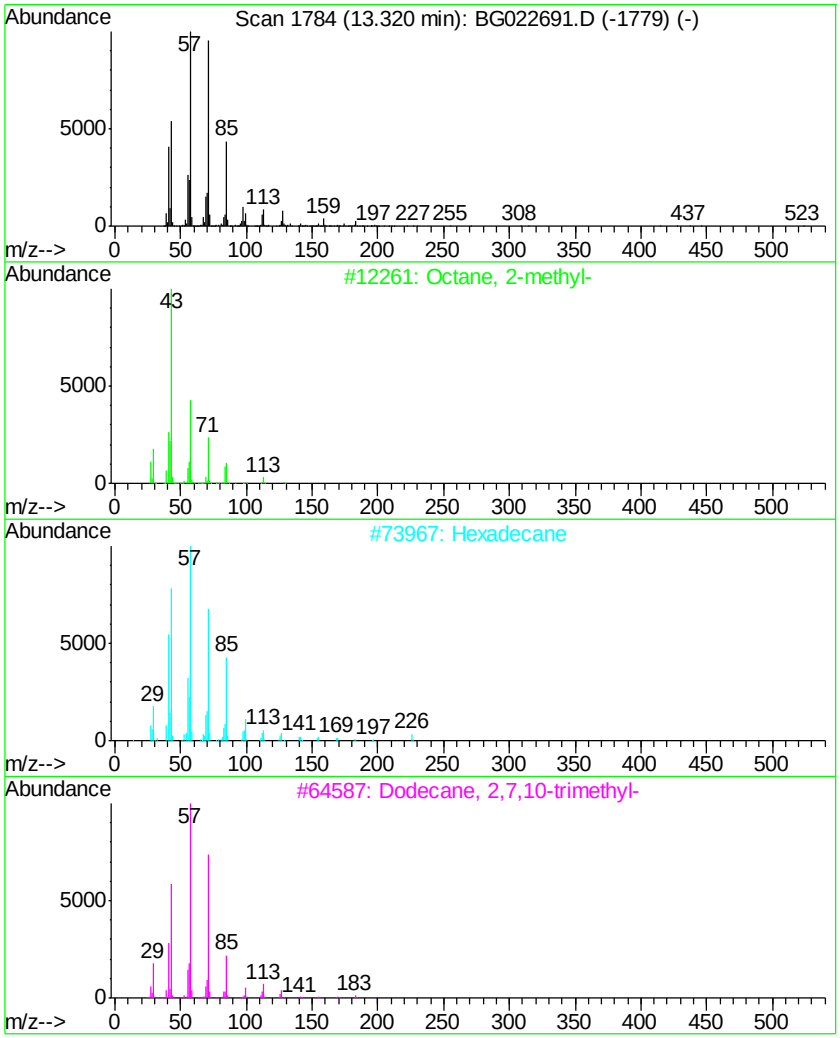
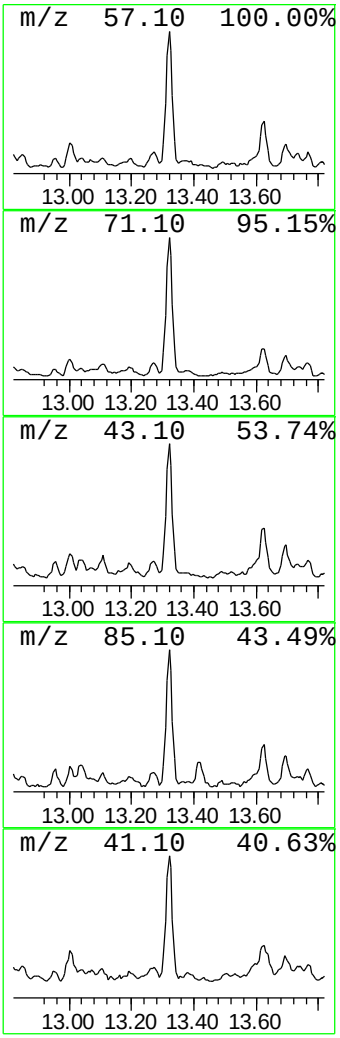
Peak Number 17 Octane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	53.76 ng	5699070	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	83
2	Hexadecane	226	C16H34	000544-76-3	78
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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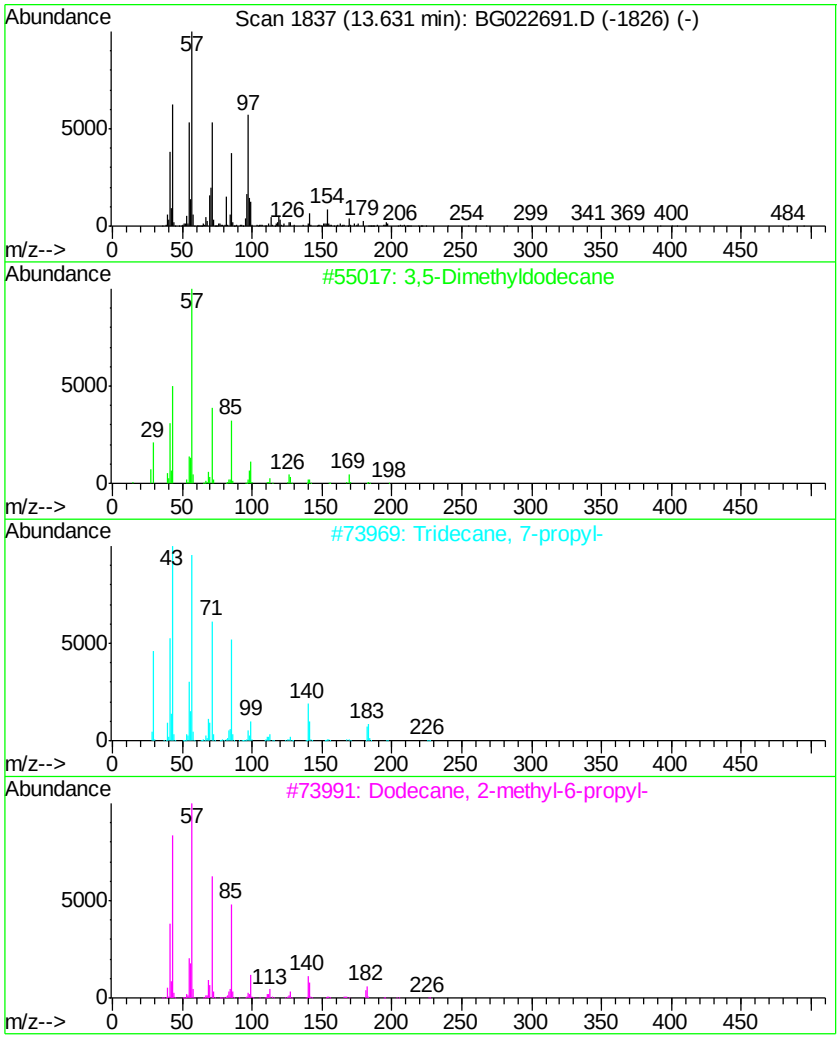
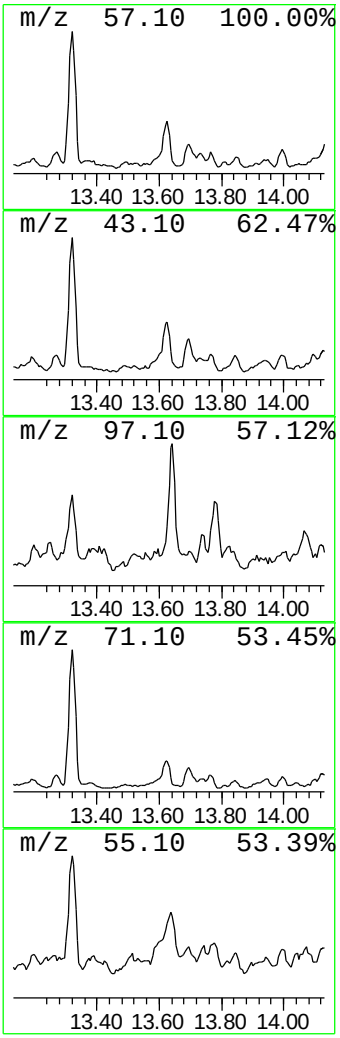
Peak Number 18 3,5-Dimethyldodecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	28.09 ng	2977580	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyldodecane	198	C14H30	107770-99-0	68
2	Tridecane, 7-propyl-	226	C16H34	055045-09-5	64
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	58
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	58
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	52





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Data File : BG022691.D
Acq On : 29 Jun 2016 1:06
Operator : UM/SJ
Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

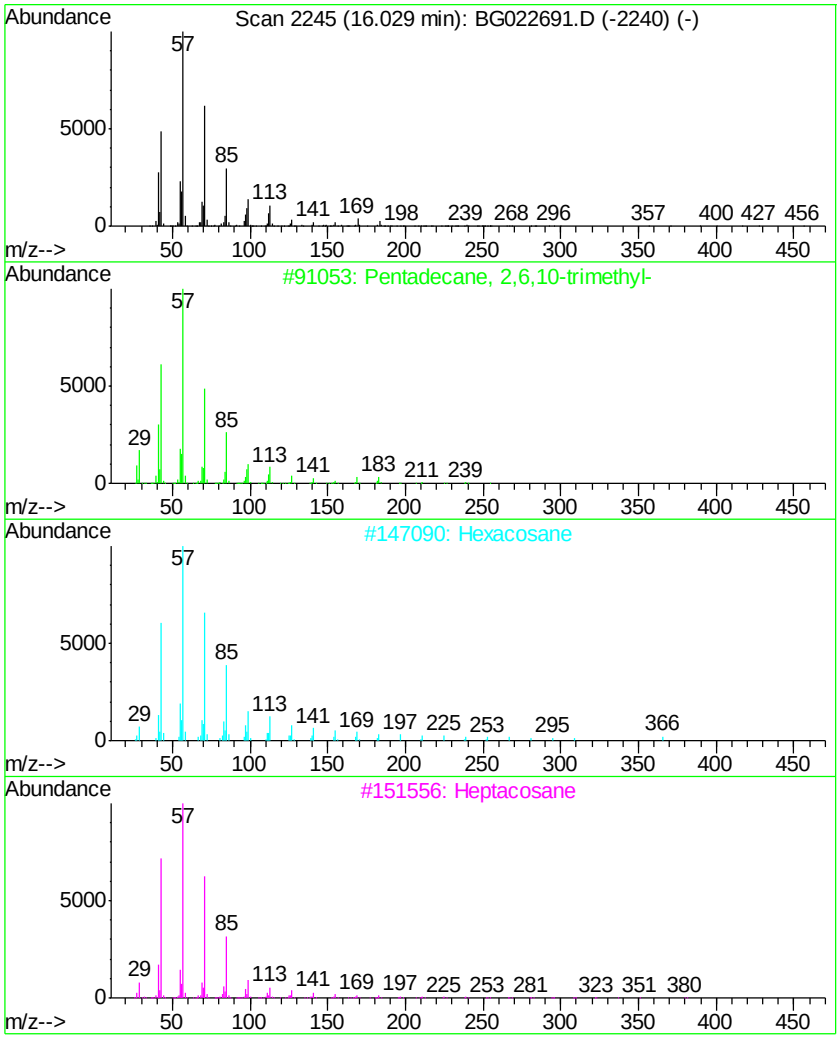
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

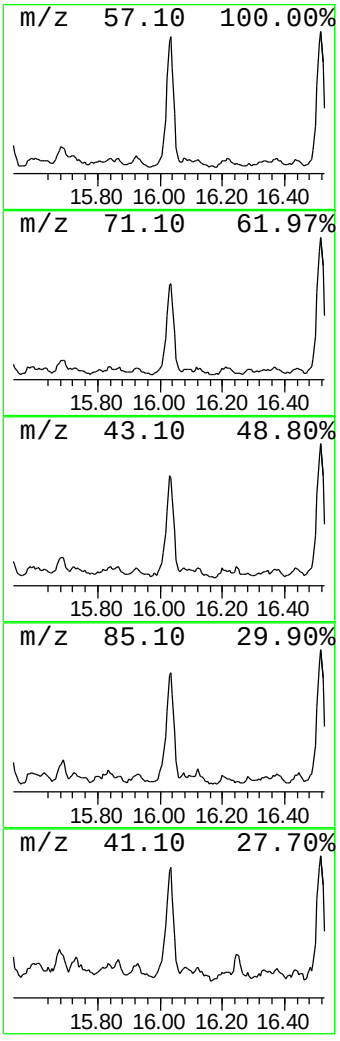
****

Peak Number 19 Pentadecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	37.90 ng	4017990	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2	Hexacosane	366	C26H54	000630-01-3	86
3	Heptacosane	380	C27H56	000593-49-7	80
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	80
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG062816\
Data File : BG022691.D
Acq On : 29 Jun 2016 1:06
Operator : UM/SJ
Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

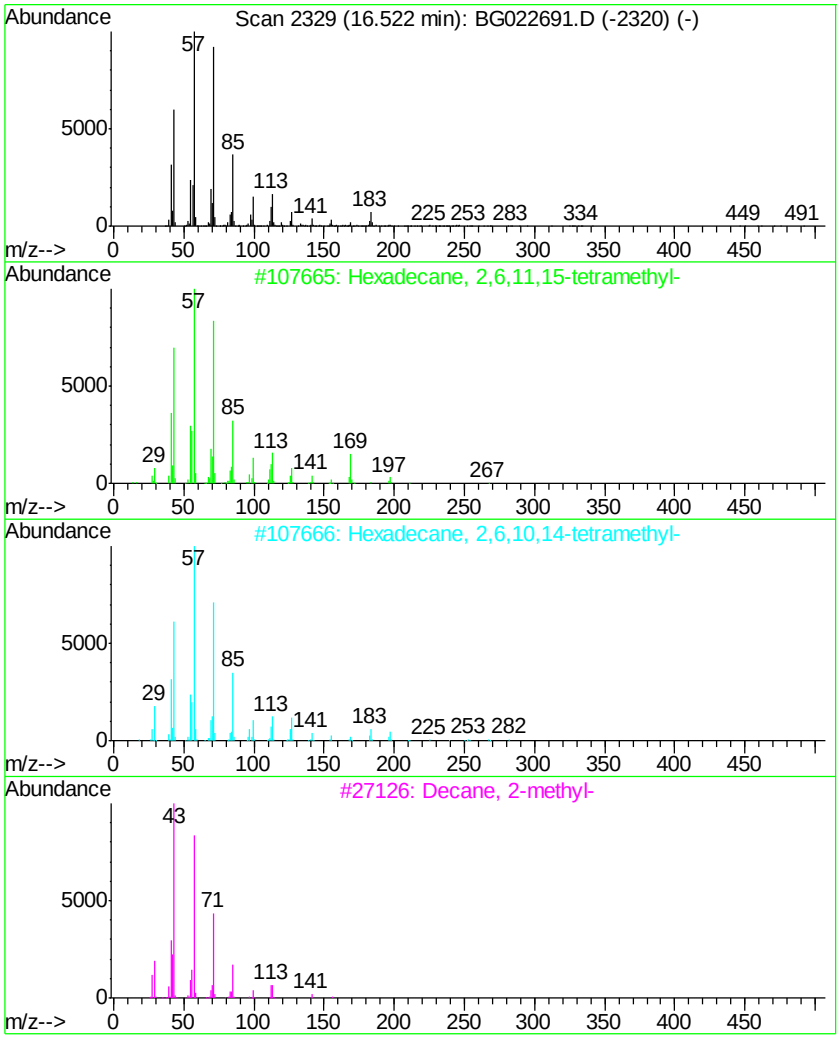
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

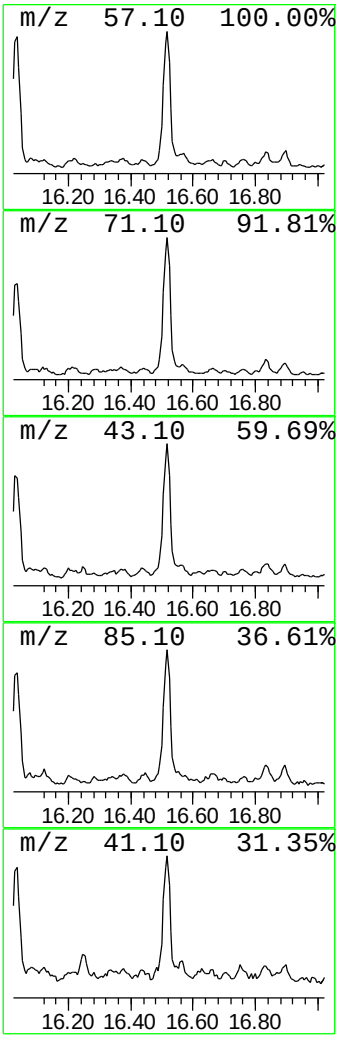
****

Peak Number 20 Hexadecane, 2,6,11,15-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	39.72 ng	5223390	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	90
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
3	Decane, 2-methyl-	156	C11H24	006975-98-0	87
4	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	87
5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062816\
Data File : BG022691.D
Acq On : 29 Jun 2016 1:06
Operator : UM/SJ
Sample : H3768-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B2-10-11

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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
unknown3.06	3.06	28.8	ng	3484000	1	8.16	2416820	20.0
Cyclohexane, 1-me...	9.27	26.8	ng	3233090	1	8.16	2416820	20.0
Decane, 3,7-dimet...	9.80	28.1	ng	2328680	2	10.99	1655570	20.0
Nonane, 2-methyl-...	10.04	15.3	ng	1270220	2	10.99	1655570	20.0
trans-Decalin, 2-...	10.16	22.2	ng	1839580	2	10.99	1655570	20.0
unknown10.55	10.55	16.2	ng	1338680	2	10.99	1655570	20.0
unknown10.69	10.69	15.5	ng	1282620	2	10.99	1655570	20.0
Undecane, 2,6-dim...	11.13	75.7	ng	6269790	2	10.99	1655570	20.0
unknown11.19	11.19	24.0	ng	1990200	2	10.99	1655570	20.0
6-Tridecene, (E)-	11.48	18.8	ng	1557440	2	10.99	1655570	20.0
Octane, 2,6-dimet...	11.99	68.6	ng	5678820	2	10.99	1655570	20.0
Cyclohexane, 1,2-...	12.03	21.5	ng	1783330	2	10.99	1655570	20.0
3-Methyl-4-(metho...	12.60	40.9	ng	3386770	2	10.99	1655570	20.0
Octane, 2-methyl-	13.32	53.8	ng	5699070	3	14.80	2120170	20.0
3,5-Dimethyldodecane	13.63	28.1	ng	2977580	3	14.80	2120170	20.0
Pentadecane, 2,6,...	16.03	37.9	ng	4017990	3	14.80	2120170	20.0
Hexadecane, 2,6,1...	16.52	39.7	ng	5223390	4	17.56	2629880	20.0