LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

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-BG120215.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	2.991	21	26	45	rVB	828081	1176844	21.20%	1.079%
2	5.658	472	480	490	rBV	442694	710752	12.81%	0.651%
3	7.262	746	753	760	rBV	573036	1040152	18.74%	0.953%
4	7.644	812	818	827	rVV	417880	773704	13.94%	0.709%
5	7.727	827	832	841	rVV2	475688	767998	13.84%	0.704%
6	8.085	887	893	902	rVB2	237302	475786	8.57%	0.436%
7	8.438	949	953	960	rVB	292995	517568	9.33%	0.474%
8	8.637	978	987	991	rBV2	211287	488492	8.80%	0.448%
9	8.696	994	997	1002	rVB	199892	310055	5.59%	0.284%
10	8.767	1002	1009	1014	rBV3	302104	641065	11.55%	0.588%
11	8.878	1021	1028	1032	rBV	278561	479100	8.63%	0.439%
12	9.225	1083	1087	1091	rVV2	232757	421386	7.59%	0.386%
13	9.278	1092	1096	1100	rVV	284077	553953	9.98%	0.508%
14	9.348	1101	1108	1113	rVV	1170939	2016518	36.33%	1.848%
15	9.477	1125	1130	1138	rVB4	211264	442581	7.97%	0.406%
16	9.595	1138	1150	1155	rBV9	149746	555528	10.01%	0.509%
17	10.006	1211	1220	1223	rBV5	136187	353386	6.37%	0.324%
18	10.053	1223	1228	1232	rVV2	262514	463147	8.35%	0.424%
19	10.112	1232	1238	1244	rVV5	290525	635645	11.45%	0.583%
20	10.194	1244	1252	1259	rVV3	255944	736291	13.27%	0.675%
21	10.265	1259	1264	1270	rVV2	309691	526867	9.49%	0.483%
22	10.341	1270	1277	1283	rVV4	380730	887541	15.99%	0.813%
23	10.453	1290	1296	1300	rBV	312329	517697	9.33%	0.474%
24	10.564	1311	1315	1321	rVB2	171047	305791	5.51%	0.280%
25	10.635	1321	1327	1334	rBV5	133302	346064	6.24%	0.317%
26	10.711	1334	1340	1349	rBV5	180594	440484	7.94%	0.404%
27	10.905	1366	1373	1384	rBV3	1775357	3258628	58.71%	2.987%
28	11.087	1399	1404	1410	rVB	601426	1080539	19.47%	0.990%
29	11.152	1410	1415	1421	rBV4	240080	529935	9.55%	0.486%
30	11.411	1454	1459	1466	rVB5	237490	635060	11.44%	0.582%
31	11.634	1492	1497	1503	rVV5	455988	1151350	20.75%	1.055%
32	11.687	1503	1506	1514	rVB5	235841	494890	8.92%	0.454%
33	11.763	1514	1519	1526	rBV3	459181	840931	15.15%	0.771%
34	11.839	1526	1532	1539	rBV3	540064	1017633	18.34%	0.933%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

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-BG120215.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.945	1545	1550	1554	rVV	774704	1307700	23.56%	1.199%
36	11.986	1554	1557	1561	rVV3	259260	408264	7.36%	0.374%
37	12.039	1562	1566	1571	rVB2	190208	327904	5.91%	0.301%
38	12.121	1575	1580	1587	rVB4	374082	709448	12.78%	0.650%
39	12.345	1611	1618	1623	rBV	2264597	3600178	64.87%	3.300%
40	12.556	1649	1654	1659	rVB5	339768	681029	12.27%	0.624%
41	12.832	1696	1701	1706	rVV2	424824	765089	13.79%	0.701%
42	12.962	1718	1723	1727	rBV3	419316	681469	12.28%	0.625%
43	13.009	1727	1731	1738	rVV4	250890	635569	11.45%	0.583%
44	13.073	1738	1742	1746	rVV3	326548	598968	10.79%	0.549%
45	13.144	1750	1754	1759	rVB	581610	804855	14.50%	0.738%
46	13.226	1764	1768	1773	rVV3	396981	701150	12.63%	0.643%
47	13.285	1774	1778	1785	rVV2	874419	1519353	27.38%	1.393%
48	13.373	1789	1793	1803	rVV2	675105	1212057	21.84%	1.111%
49	13.455	1803	1807	1813	rVB4	221044	366089	6.60%	0.336%
50	13.579	1821	1828	1834	rVB	2763787	4436291	79.93%	4.066%
51	13.661	1839	1842	1844	rVV2	223823	317402	5.72%	0.291%
52	13.696	1845	1848	1852	rVB2	404764	545860	9.84%	0.500%
53	13.955	1889	1892	1898	rVB6	192072	317049	5.71%	0.291%
54	14.031	1901	1905	1910	rBV6	280765	564055	10.16%	0.517%
55	14.084	1911	1914	1919	rBV3	229999	492239	8.87%	0.451%
56	14.201	1926	1934	1935	rBV6	743060	1353485	24.39%	1.241%
57	14.225	1935	1938	1941	rVV	1185711	1667204	30.04%	1.528%
58	14.266	1941	1945	1950	rVV2	995431	1593513	28.71%	1.461%
59	14.336	1953	1957	1962	rVB4	656322	1054905	19.01%	0.967%
60	14.648	2004	2010	2014	rBV	3515805	5009676	90.27%	4.592%
61	14.713	2017	2021	2025	rBV5	410048	810488	14.60%	0.743%
62	15.077	2079	2083	2085	rBV2	404460	632767	11.40%	0.580%
63	15.136	2090	2093	2098	rVV2	453410	679765	12.25%	0.623%
64	15.188	2100	2102	2106	rVB	339269	390937	7.04%	0.358%
65	15.253	2109	2113	2119	rVB3	746874	1260166	22.71%	1.155%
66	15.318	2122	2124	2128	rVB	393552	448711	8.08%	0.411%
67	15.365	2128	2132	2135	rBV5	312269	564658	10.17%	0.518%
68	15.594	2165	2171	2175	rVB	3618532	5092253	91.75%	4.667%
69	15.641	2175	2179	2183	rVV3	274626	471089	8.49%	0.432%
70	15.688	2184	2187	2196	rVB7	331292	683644	12.32%	0.627%
71	15.829	2207	2211	2217	rBV6	239227	579589	10.44%	0.531%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

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-BG120215.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.993	2230	2239	2243	rBV	1435792	2977389	53.65%	2.729%
73	16.081	2251	2254	2260	rVB	457181	609278	10.98%	0.558%
74	16.140	2260	2264	2270	rBV2	423223	797617	14.37%	0.731%
75	16.205	2271	2275	2278	rVV2	658166	930433	16.76%	0.853%
76	16.234	2278	2280	2286	rVB2	563213	666455	12.01%	0.611%
77	16.458	2312	2318	2320	rBV	3533134	5549959	100.00%	5.087%
78	16.787	2370	2374	2378	rBV2	396525	630033	11.35%	0.577%
79	16.851	2381	2385	2390	rVB3	583585	876129	15.79%	0.803%
80	16.904	2391	2394	2397	rVV2	317734	369915	6.67%	0.339%
81	16.951	2399	2402	2407	rVB	439430	515809	9.29%	0.473%
82	17.245	2446	2452	2456	rBV	3284424	4291491	77.32%	3.933%
83	17.298	2456	2461	2464	rVB	1379120	1864275	33.59%	1.709%
84	17.492	2490	2494	2498	rBV4	253193	486891	8.77%	0.446%
85	17.703	2527	2530	2537	rVB2	413955	699203	12.60%	0.641%
86	17.774	2538	2542	2548	rVV2	387300	663160	11.95%	0.608%
87	17.897	2559	2563	2566	rBV	425260	599748	10.81%	0.550%
88	17.979	2572	2577	2582	rVB	3041180	3891208	70.11%	3.566%
89	18.367	2640	2643	2647	rBV2	367561	489496	8.82%	0.449%
90	18.414	2648	2651	2656	rVB	307088	386267	6.96%	0.354%
91	18.667	2689	2694	2698	rBV	2570760	3107073	55.98%	2.848%
92	19.119	2767	2771	2774	rVB	275032	363751	6.55%	0.333%
93	19.290	2795	2800	2804	rVB	2290000	2598225	46.82%	2.381%
94	19.859	2893	2897	2901	rVB	1651405	1842372	33.20%	1.689%
95	20.089	2932	2936	2940	rVB	1243851	1615339	29.11%	1.481%
96	20.388	2982	2987	2991	rVB	1091175	1293608	23.31%	1.186%
97	20.882	3066	3071	3075	rBV	598084	737602	13.29%	0.676%
98	21.393	3153	3158	3162	rVB	298857	399246	7.19%	0.366%
99	21.757	3214	3220	3239	rVB	262635	558475	10.06%	0.512%
100	25.036	3766	3778	3795	rBV2	136767	418467	7.54%	0.384%

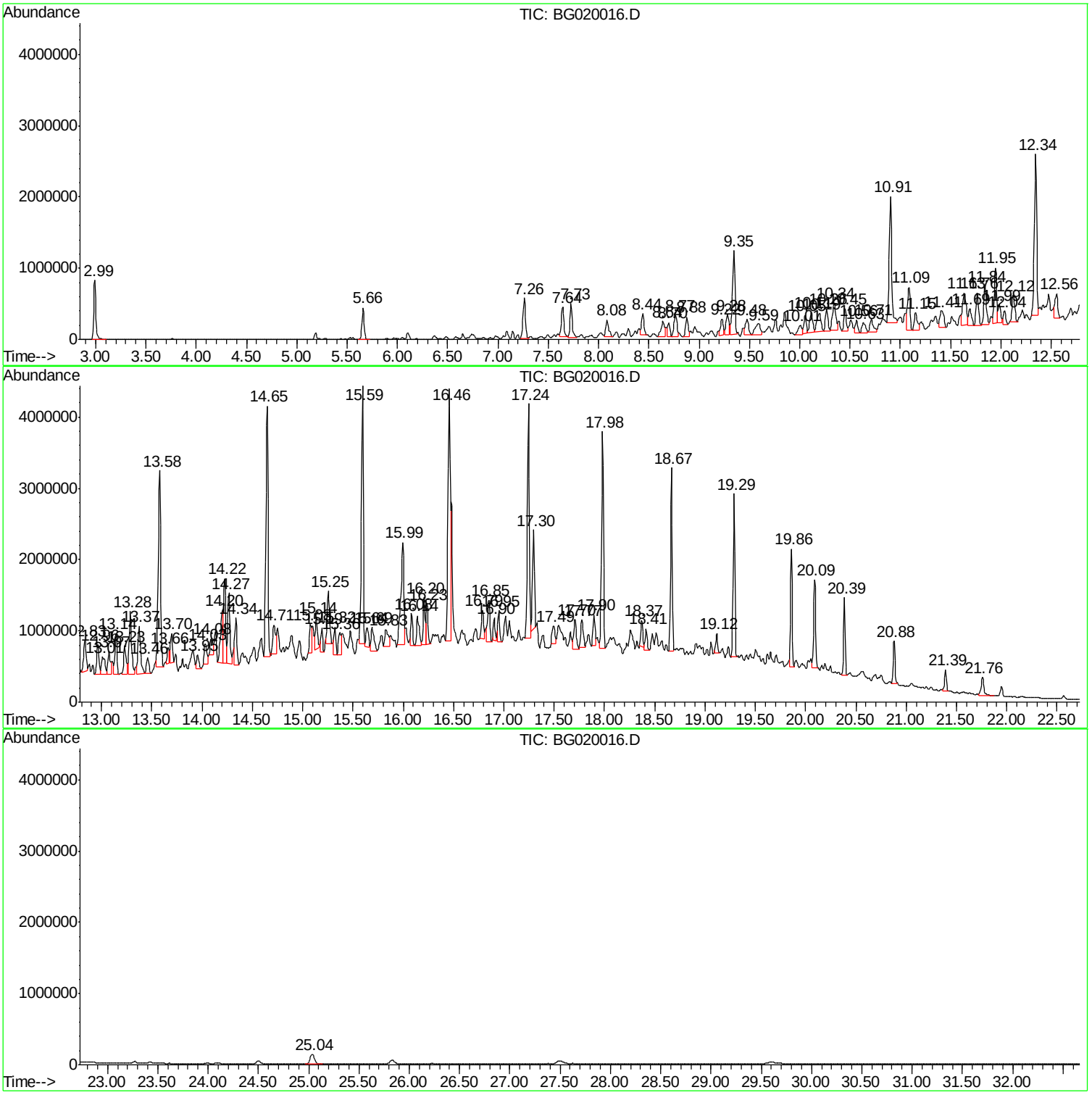
Sum of corrected areas: 109107143

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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\BG120815\
Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

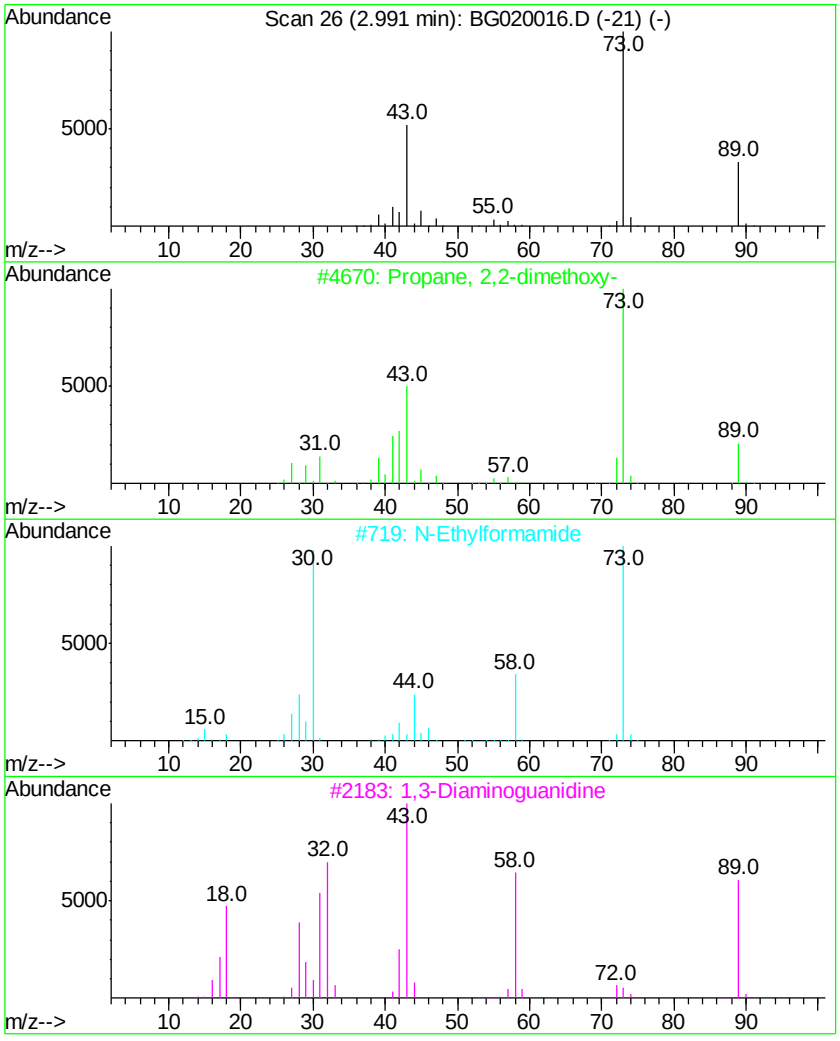
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

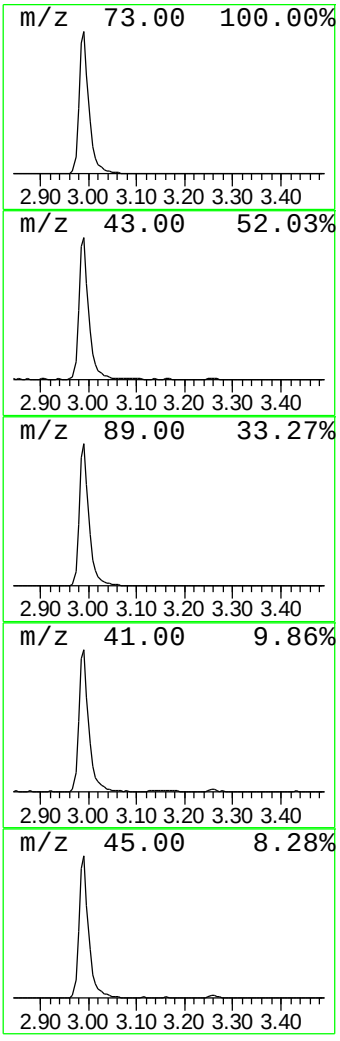
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	49.47 ng	1176840	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
4	1,3-Dioxolane, 2-(3-bromo-5,5,5-...	352	C10H16BrCl3O2	1000115-31-4	9
5	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

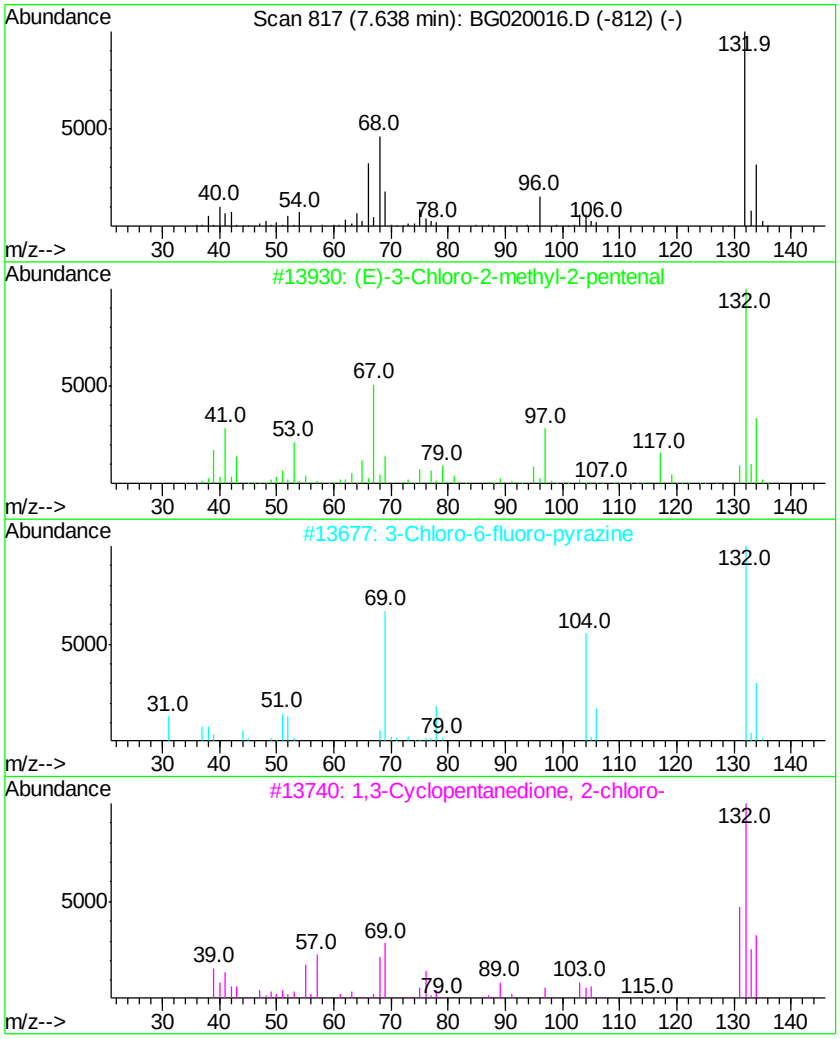
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

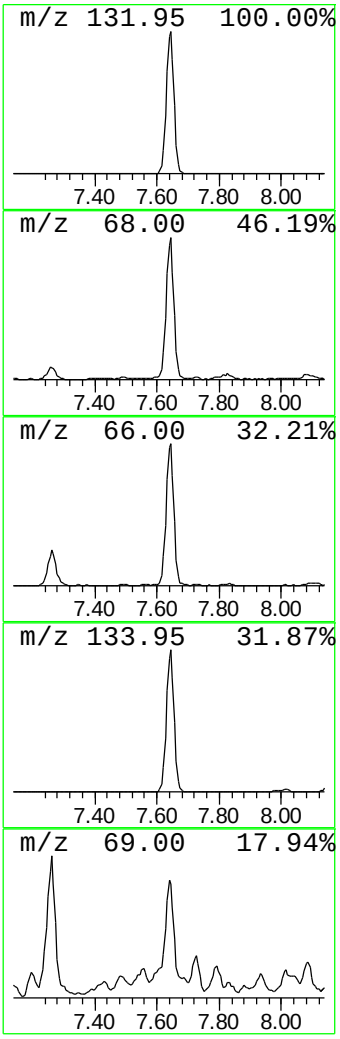
****

Peak Number 2 unknown7.64 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	32.52 ng	773704	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	30
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	25
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020016.D
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Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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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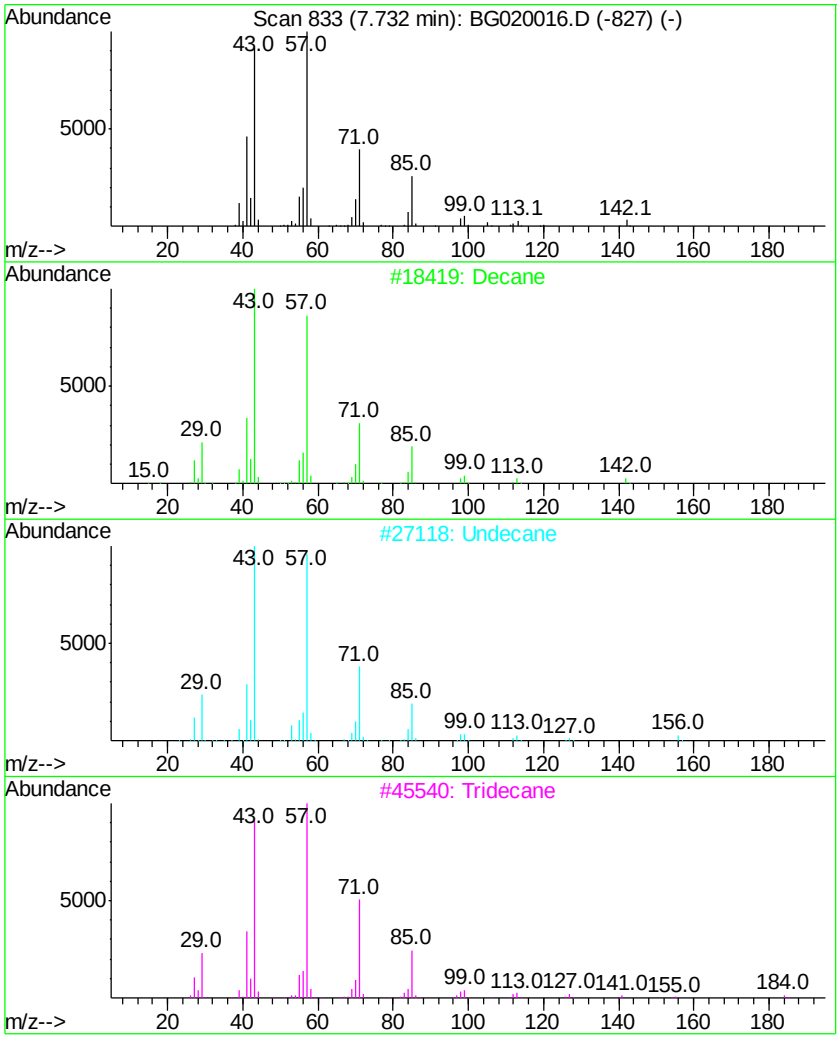
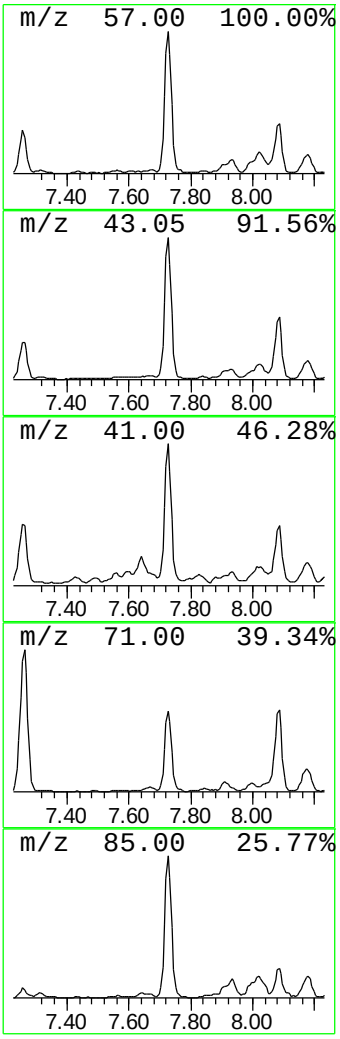
Peak Number 3 Decane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	32.28 ng	767998	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	95
2	Undecane	156	C11H24	001120-21-4	90
3	Tridecane	184	C13H28	000629-50-5	72
4	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
5	Hexadecane	226	C16H34	000544-76-3	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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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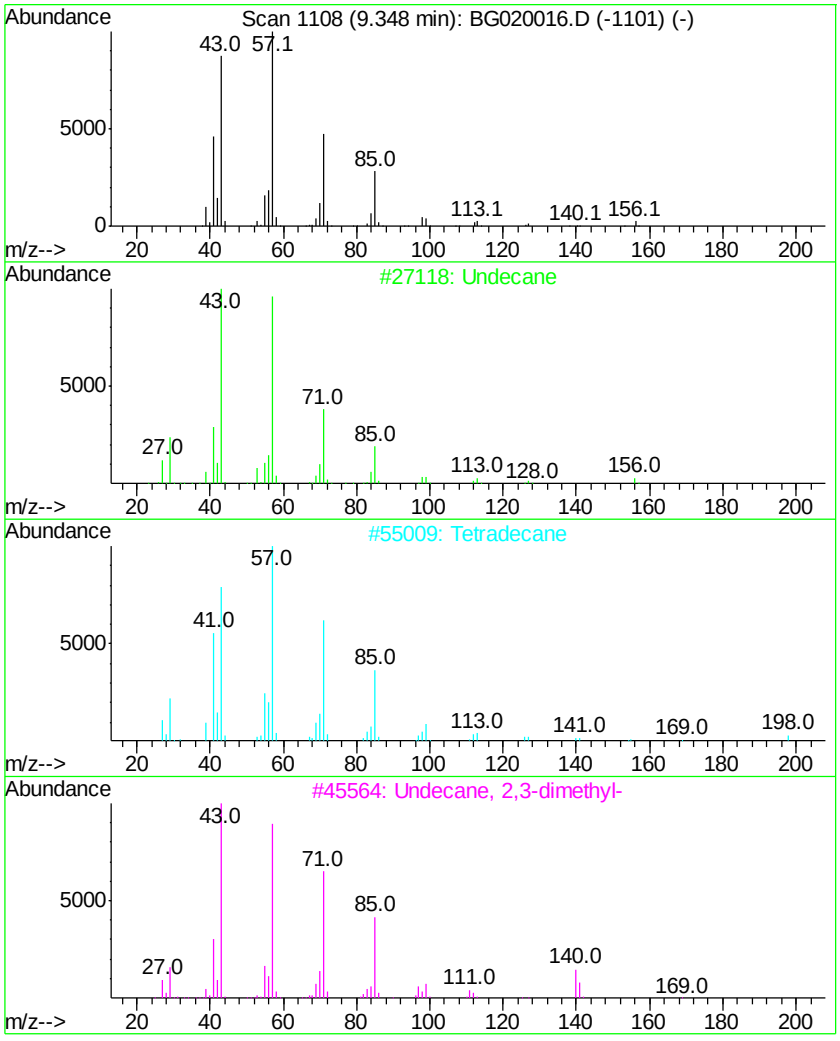
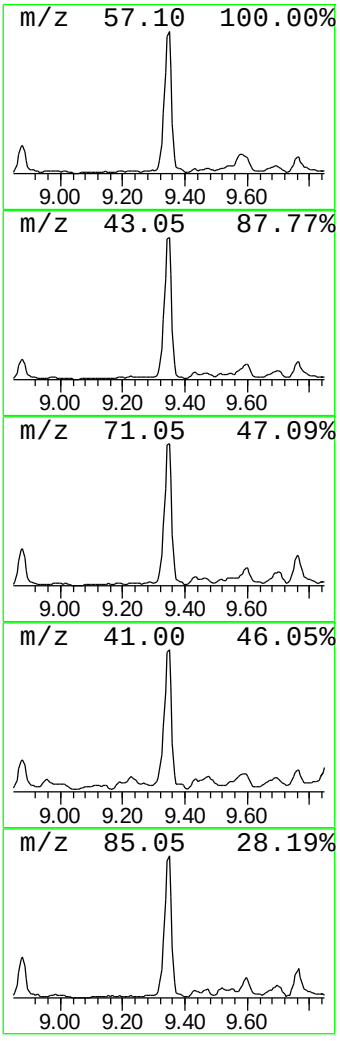
Peak Number 4 Undecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	84.77 ng	2016520	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	93
2	Tetradecane	198	C14H30	000629-59-4	90
3	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	83
4	Tridecane	184	C13H28	000629-50-5	78
5	Hexadecane	226	C16H34	000544-76-3	78





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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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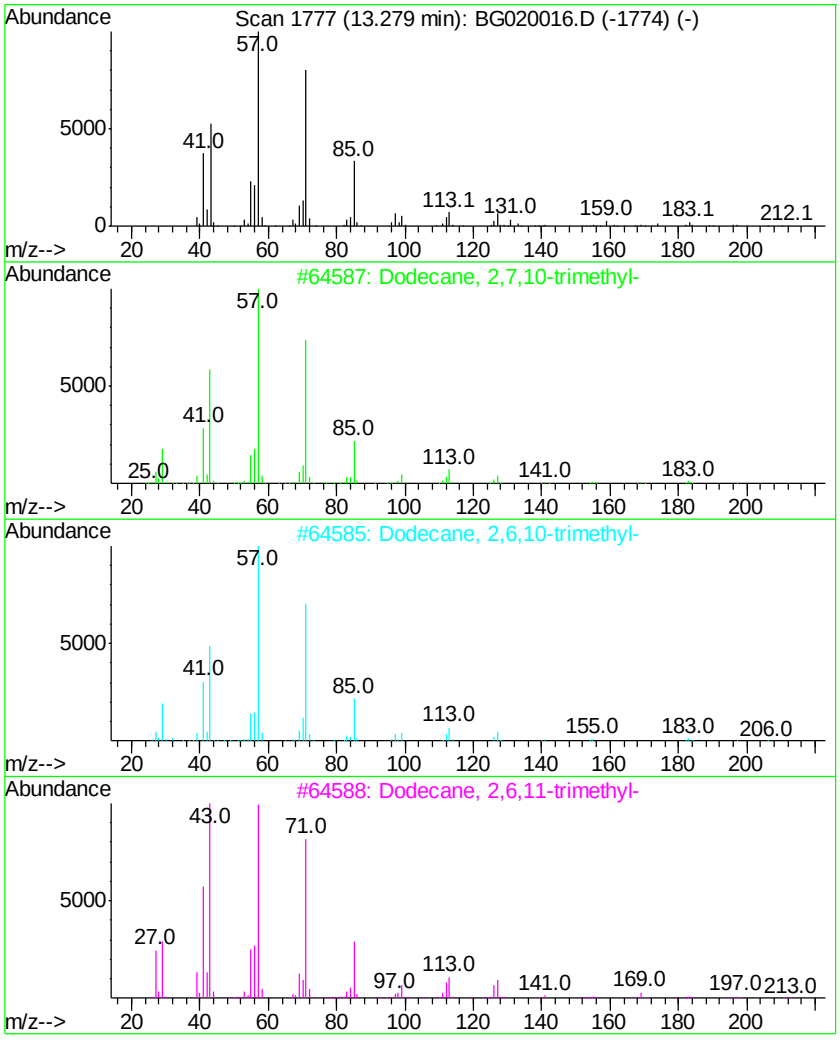
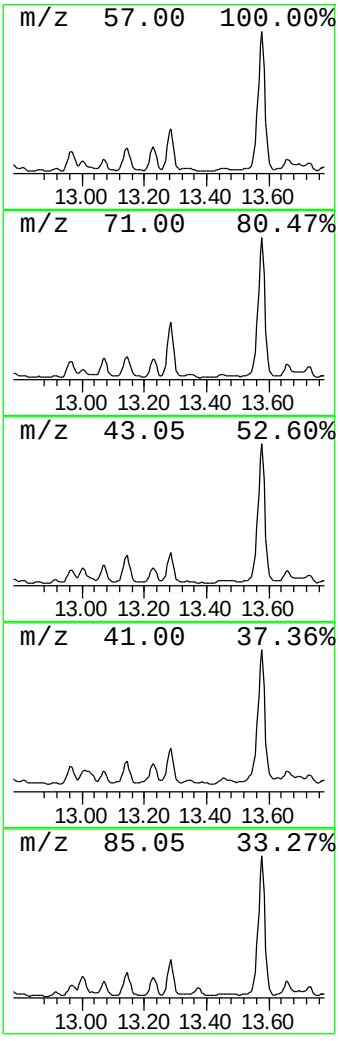
Peak Number 5 Dodecane, 2,7,10-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	37.49 ng	1519350	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	83
5	Decane, 5-propyl-	184	C13H28	017312-62-8	74





Library Search Compound Report

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Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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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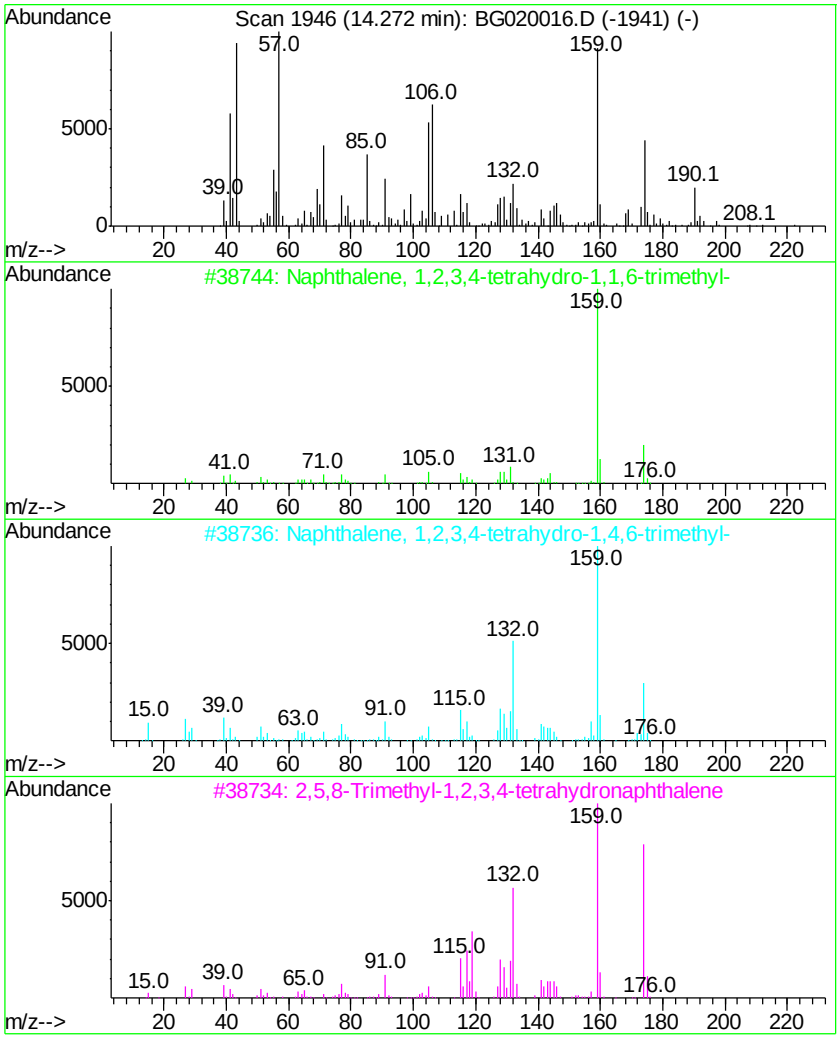
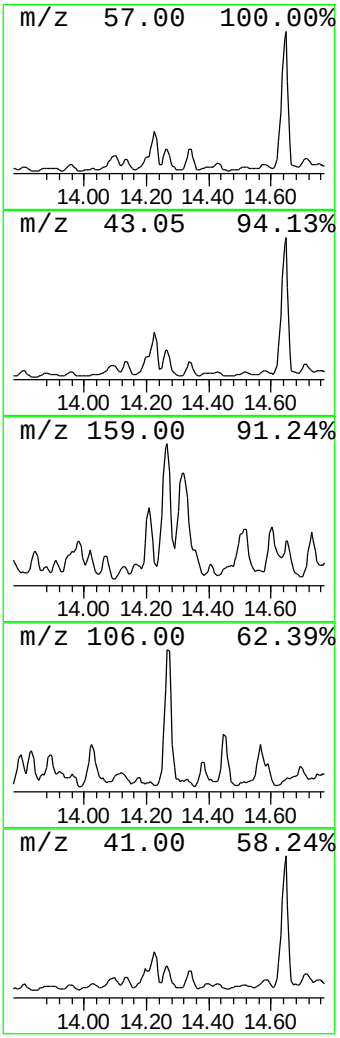
Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	39.32 ng	1593510	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	83
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	022824-32-4	64
3	2,5,8-Trimethyl-1,2,3,4-tetrahyd...	174	C13H18	068269-15-8	64
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-55-0	62
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	51





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Misc :
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Instrument : BNA_G
ClientSampleId : UST-3

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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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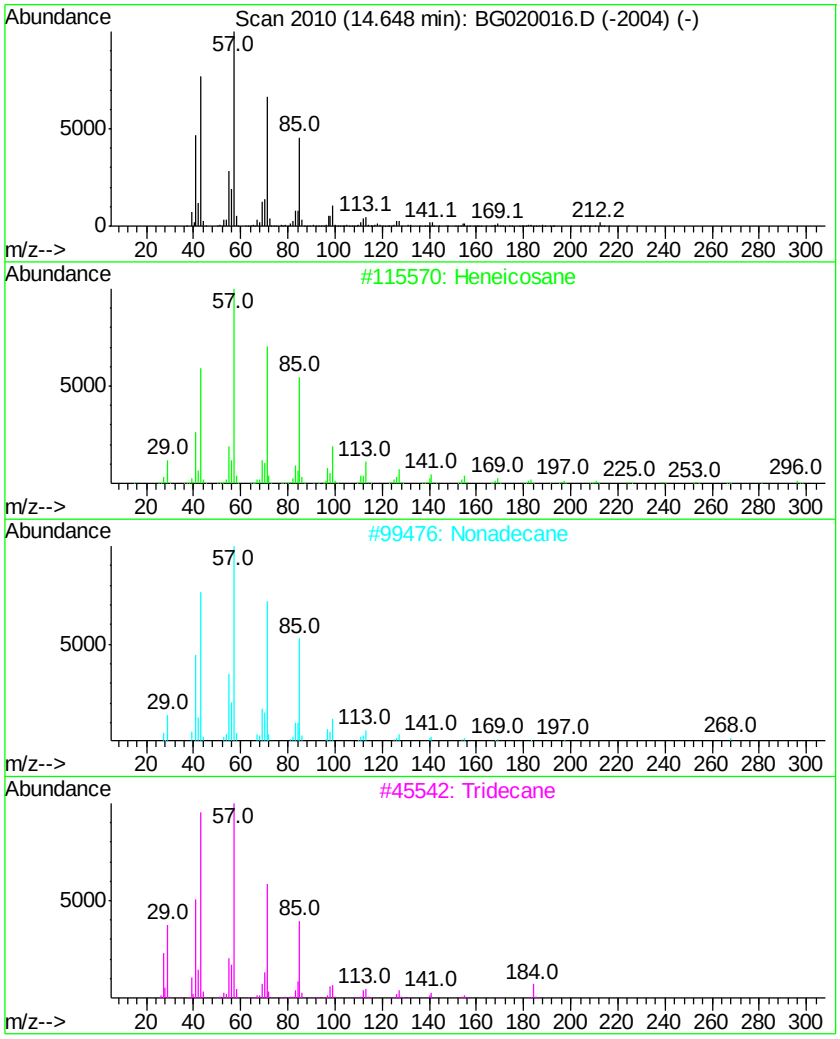
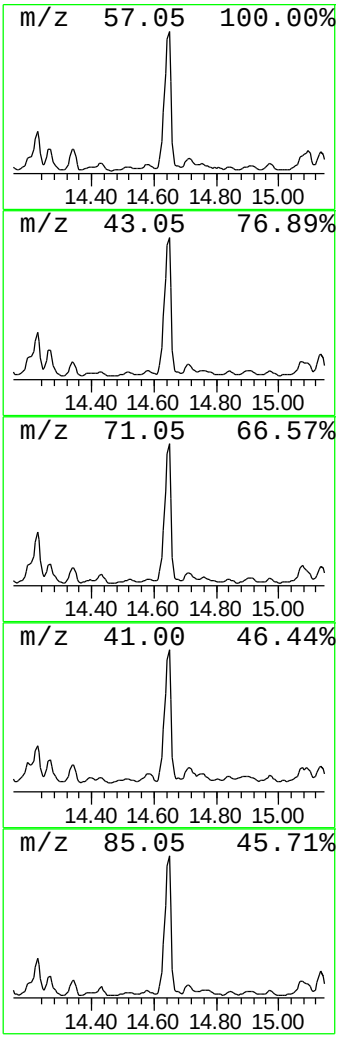
Peak Number 7 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	123.62 ng	5009680	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Nonadecane	268	C19H40	000629-92-5	91
3	Tridecane	184	C13H28	000629-50-5	90
4	Hexadecane	226	C16H34	000544-76-3	87
5	Pentadecane	212	C15H32	000629-62-9	87





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Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

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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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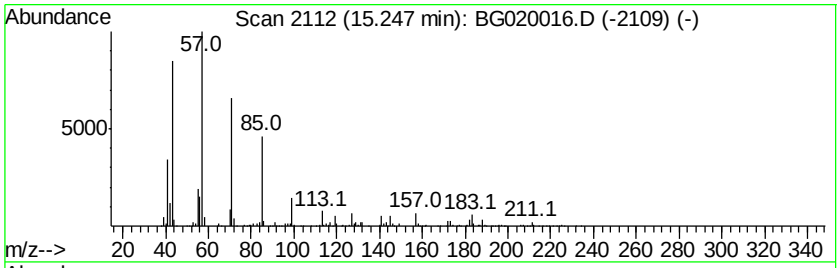
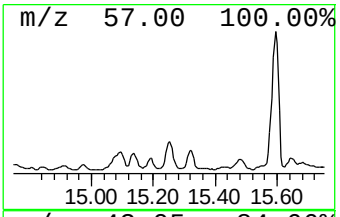
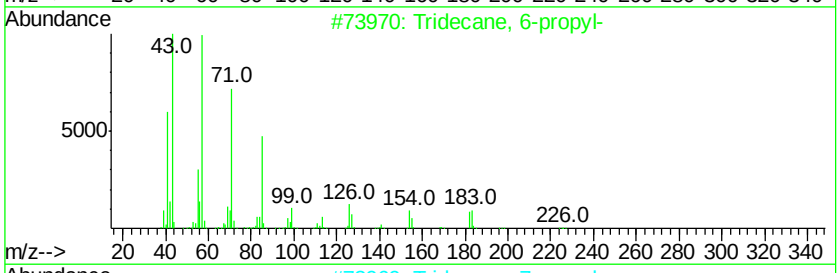
Peak Number 8 Tridecane, 6-propyl- Concentration Rank 19

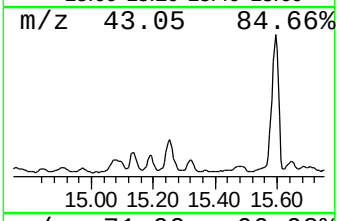
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	31.10 ng	1260170	Acenaphthene-d10	14.75

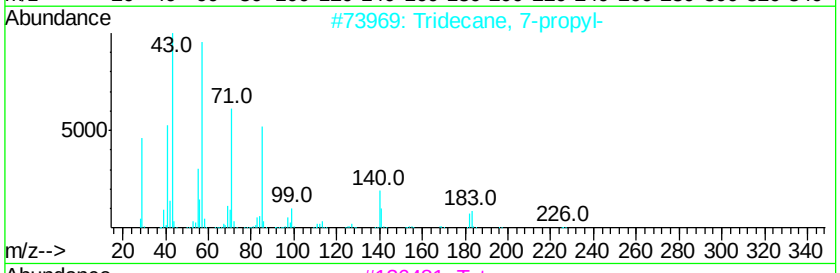
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	90
2	Tridecane, 7-propyl-	226	C16H34	055045-09-5	81
3	Tetracosane	338	C24H50	000646-31-1	72
4	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	72
5	Hexadecane	226	C16H34	000544-76-3	72

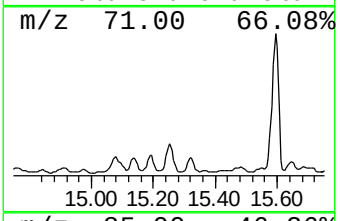


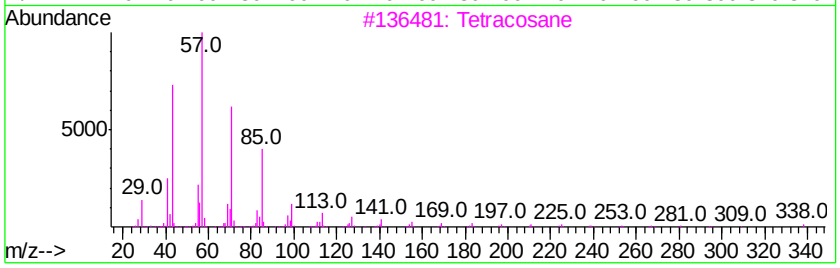


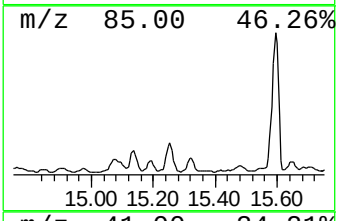


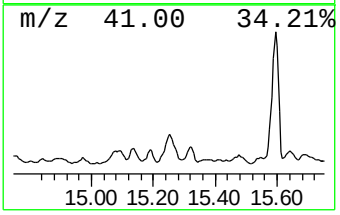












Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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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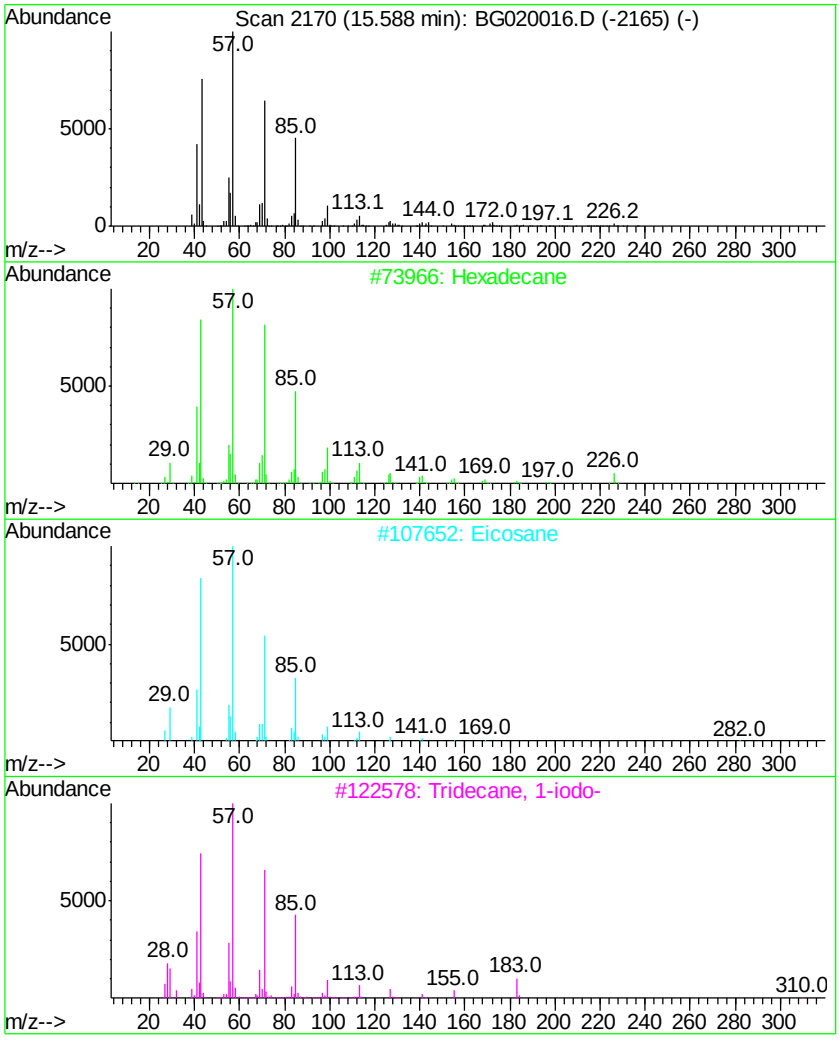
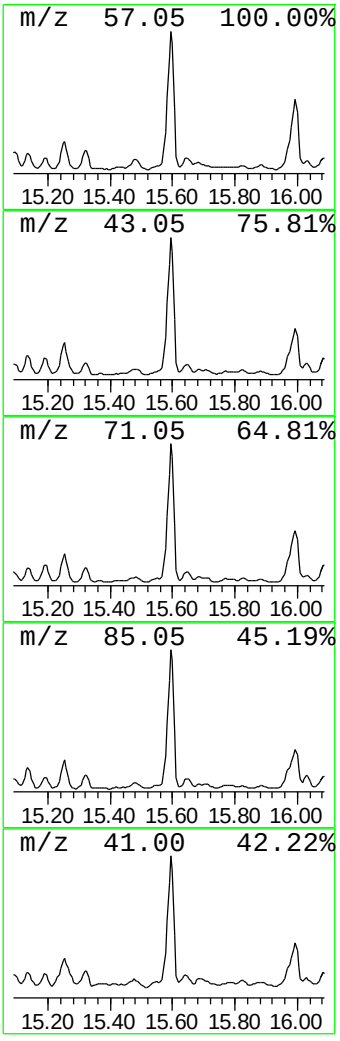
Peak Number 9 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	125.66 ng	5092250	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Eicosane	282	C20H42	000112-95-8	91
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
5	Tetradecane	198	C14H30	000629-59-4	86





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ClientSampleId : UST-3

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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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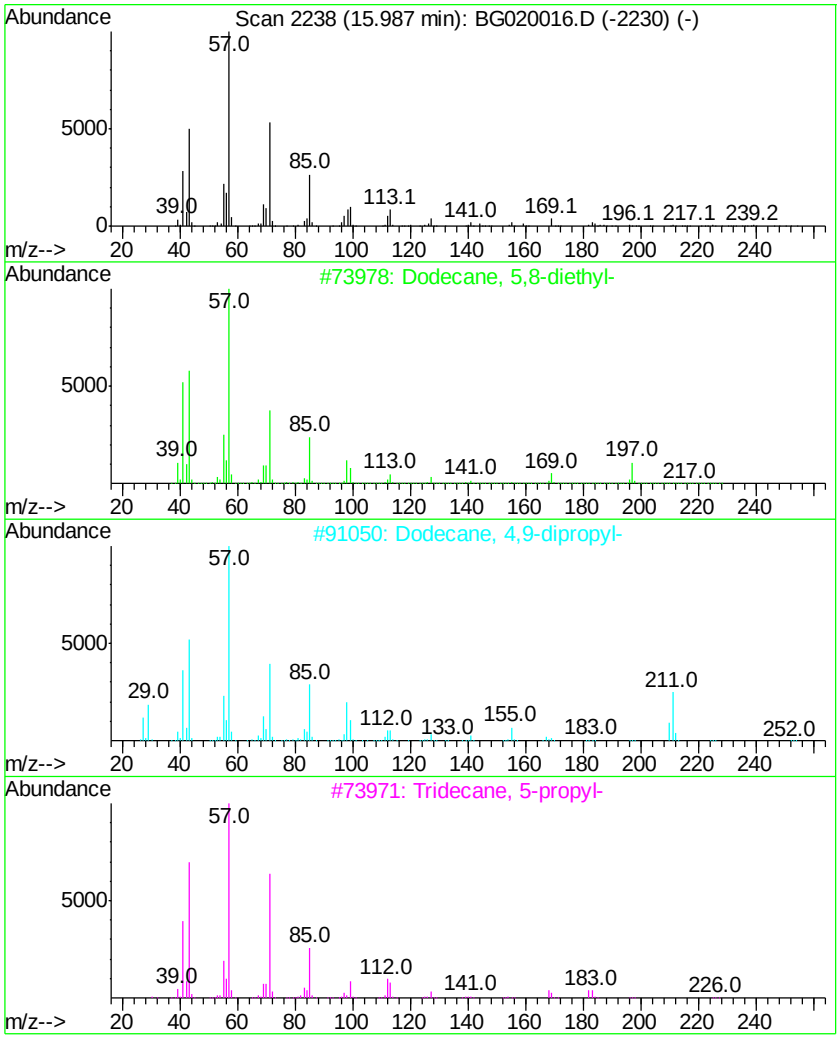
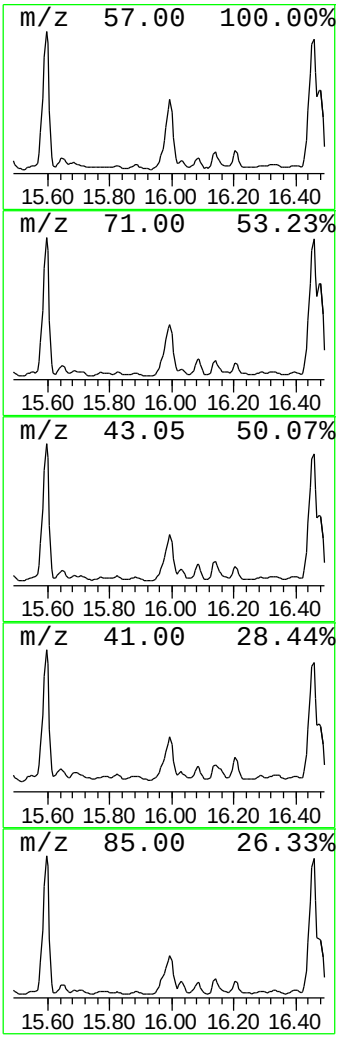
Peak Number 10 Dodecane, 5,8-diethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	73.47 ng	2977390	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 5,8-diethyl-	226	C16H34	024251-86-3	83
2	Dodecane, 4,9-dipropyl-	254	C18H38	003054-63-5	83
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72
5	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	64





Library Search Compound Report

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ClientSampleId : UST-3

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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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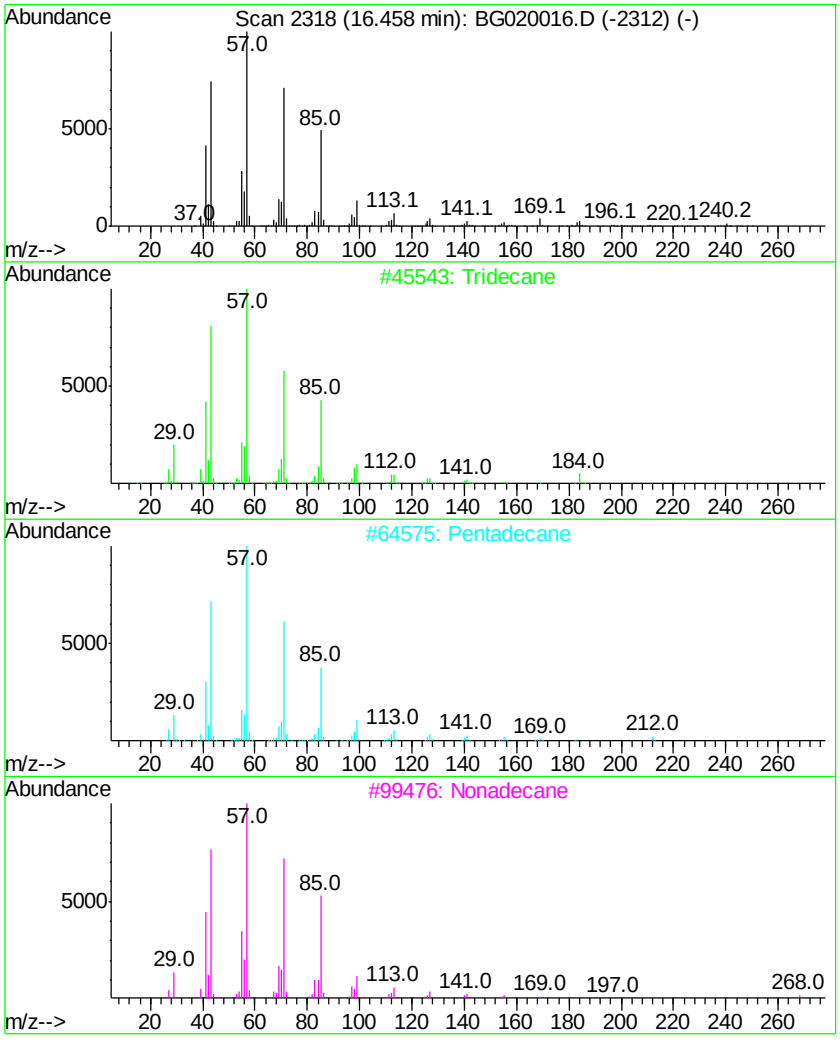
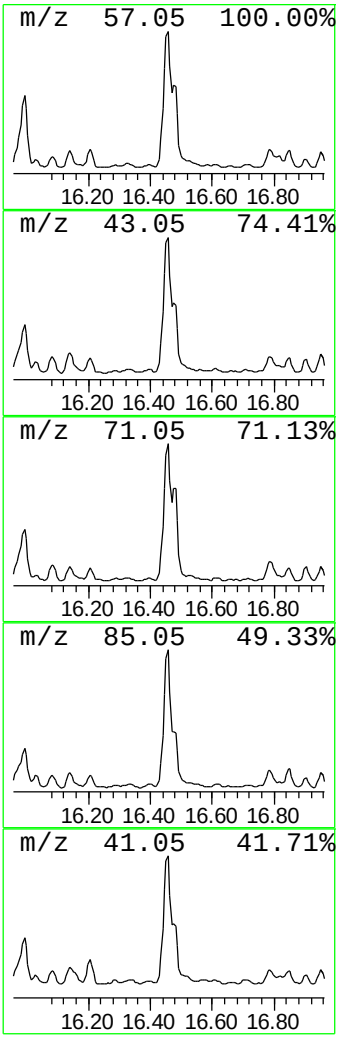
Peak Number 12 Tridecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	227.98 ng	5549960	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Pentadecane	212	C15H32	000629-62-9	91
3	Nonadecane	268	C19H40	000629-92-5	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90





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Instrument : BNA_G
ClientSampleId : UST-3

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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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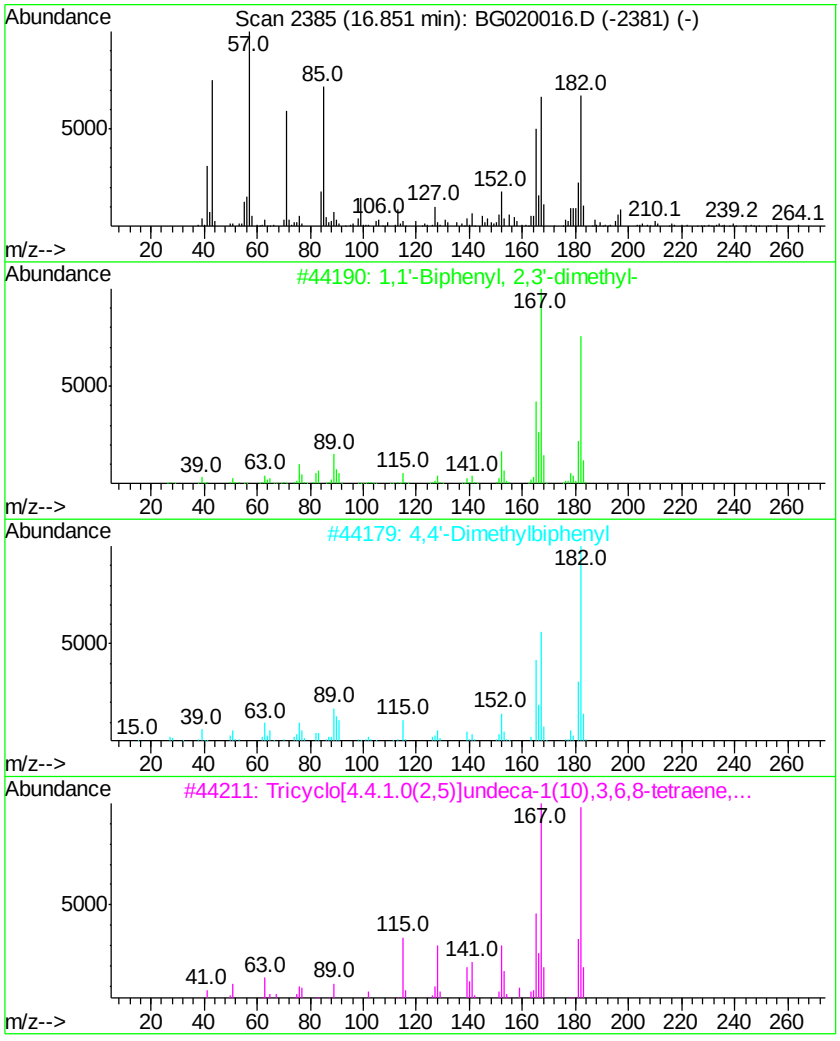
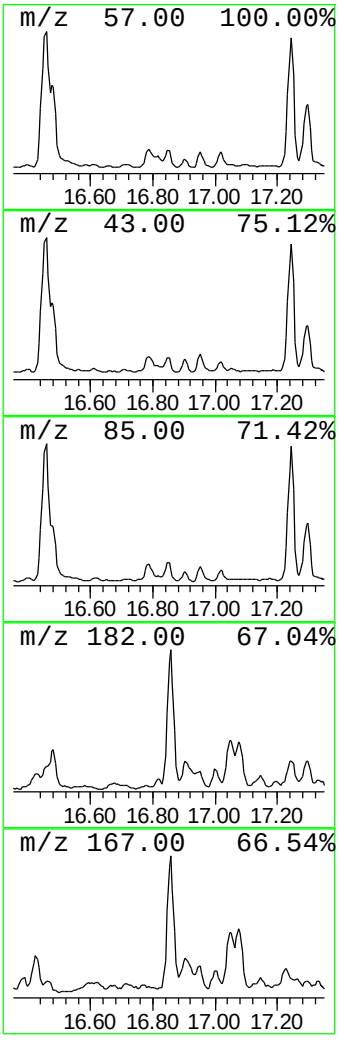
Peak Number 13 1,1'-Biphenyl, 2,3'-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	35.99 ng	876129	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	64
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	55
3	Tricyclo[4.4.1.0(2,5)]undeca-1(1...	182	C14H14	055836-29-8	50
4	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	46
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46





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ClientSampleId : UST-3

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

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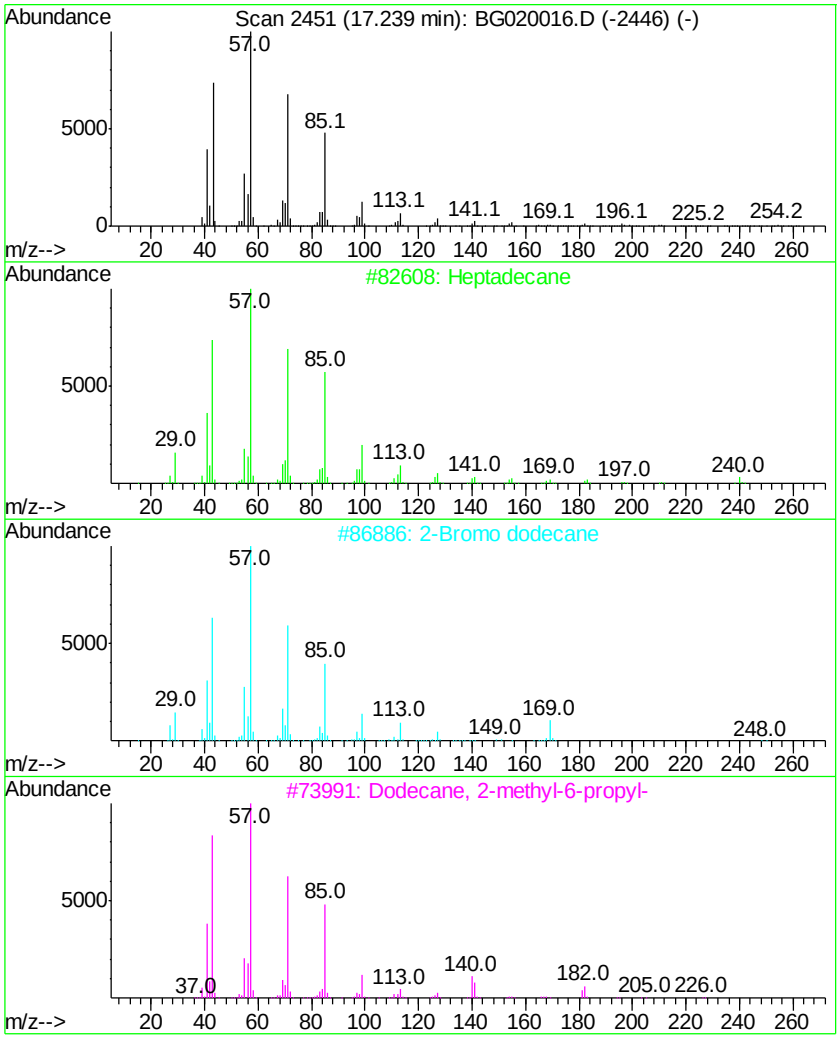
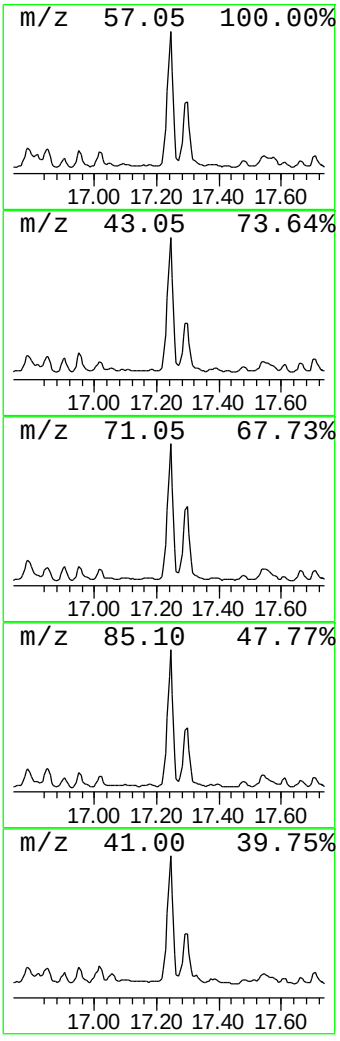
Peak Number 14 Heptadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	176.28 ng	4291490	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	94
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
4	Nonadecane	268	C19H40	000629-92-5	91
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91





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Instrument : BNA_G
ClientSampleId : UST-3

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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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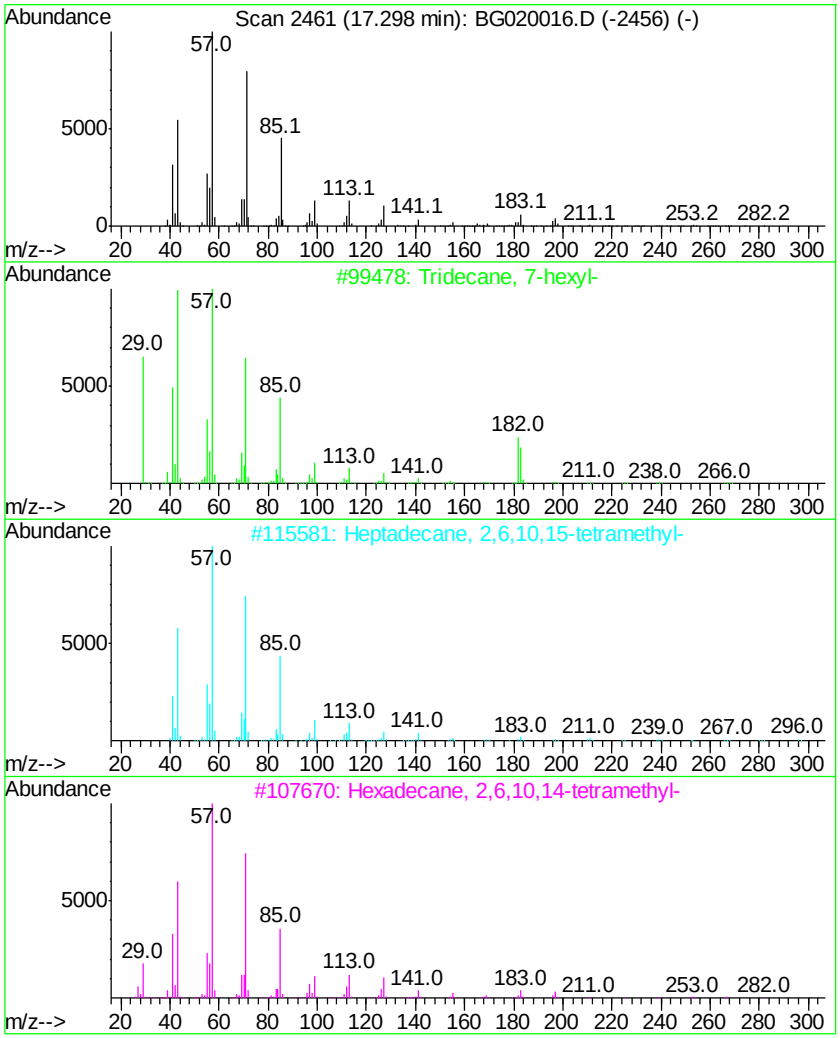
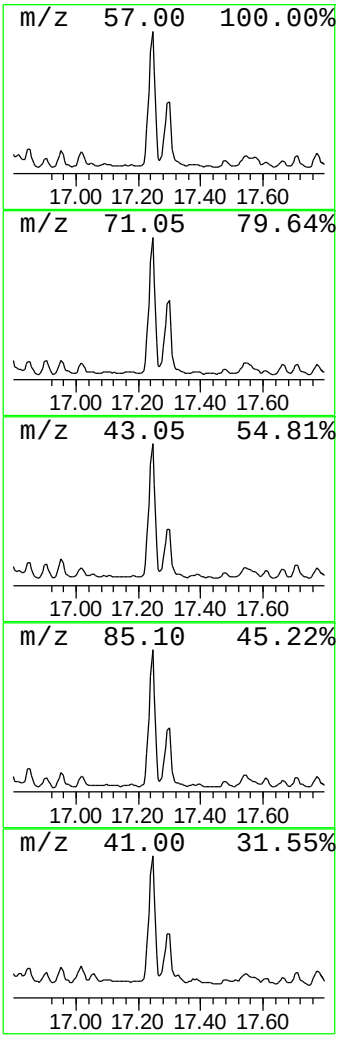
Peak Number 15 Tridecane, 7-hexyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	76.58 ng	1864280	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	93
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
4	Hexadecane	226	C16H34	000544-76-3	83
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80





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ALS Vial : 38 Sample Multiplier: 1

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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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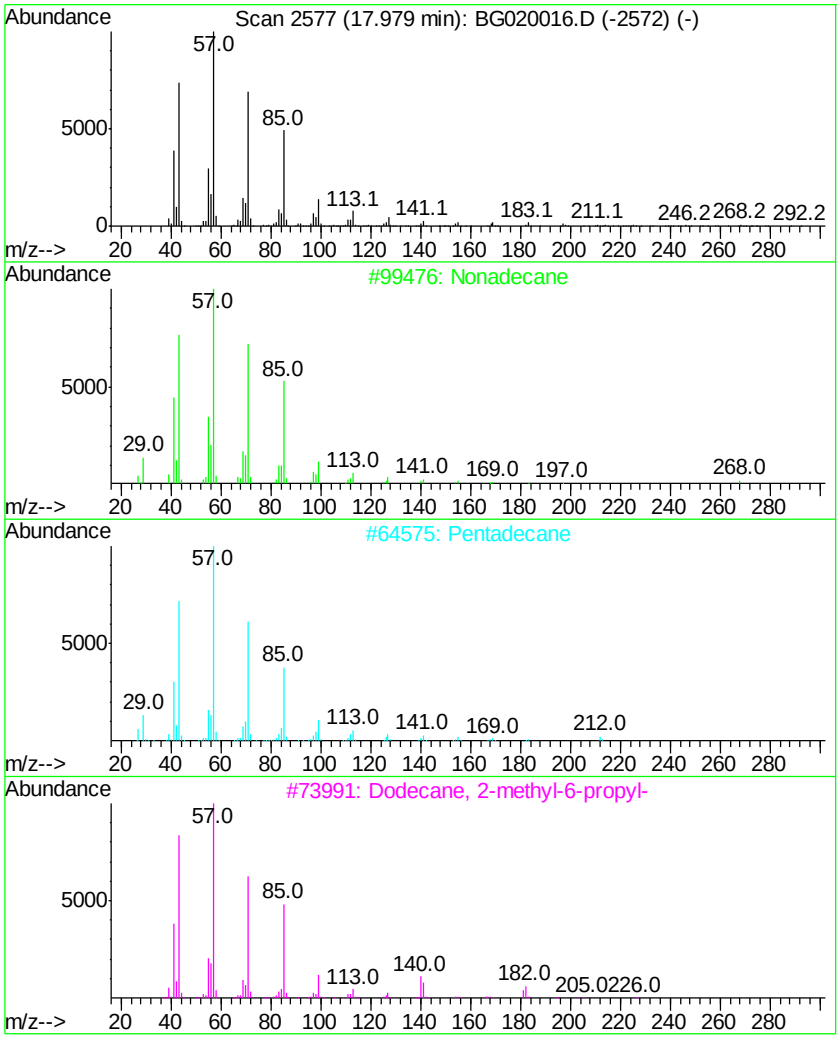
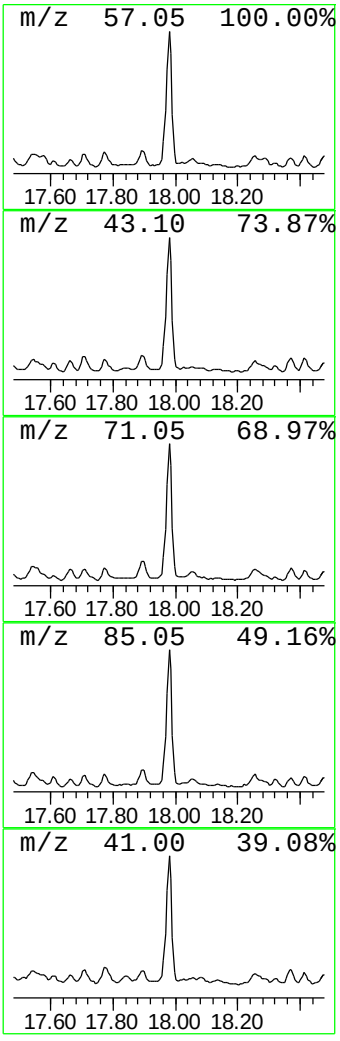
Peak Number 17 Nonadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	159.84 ng	3891210	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	98
2	Pentadecane	212	C15H32	000629-62-9	94
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
4	Octadecane	254	C18H38	000593-45-3	91
5	Heneicosane	296	C21H44	000629-94-7	91





Library Search Compound Report

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Data File : BG020016.D
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Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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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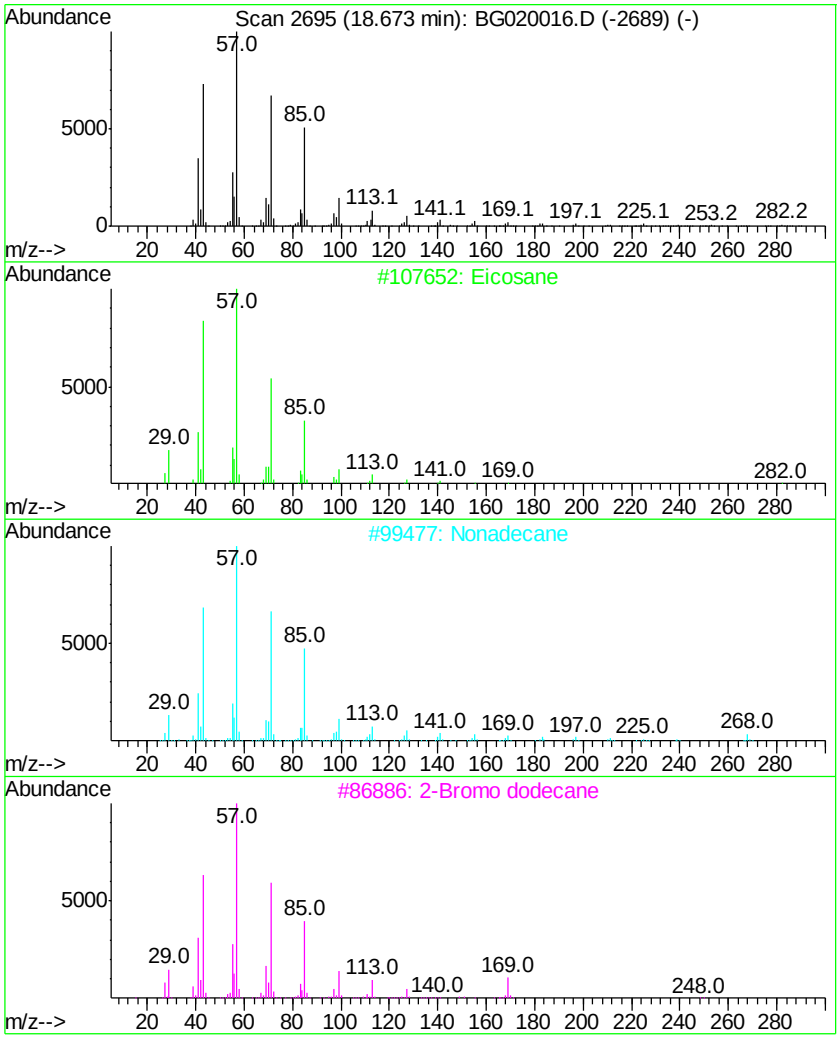
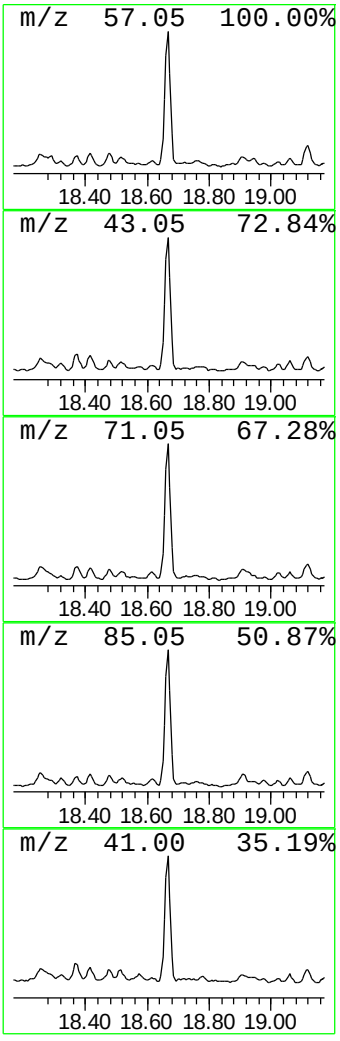
Peak Number 18 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	127.63 ng	3107070	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	98
2	Nonadecane	268	C19H40	000629-92-5	96
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	95
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
5	Octadecane	254	C18H38	000593-45-3	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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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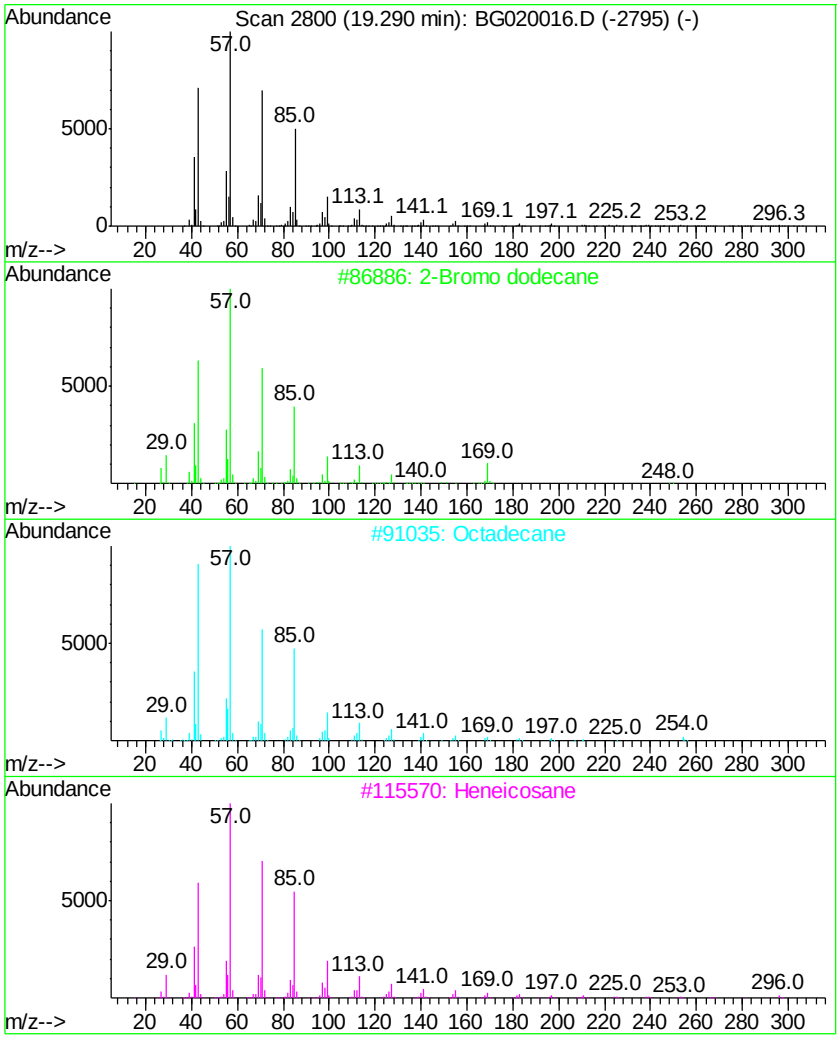
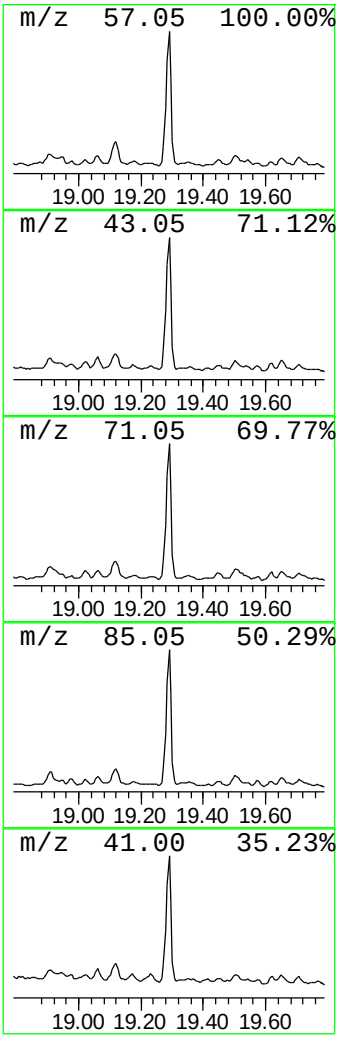
Peak Number 19 2-Bromo dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	106.73 ng	2598230	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	91
2	Octadecane	254	C18H38	000593-45-3	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Nonadecane	268	C19H40	000629-92-5	90
5	Eicosane	282	C20H42	000112-95-8	90





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Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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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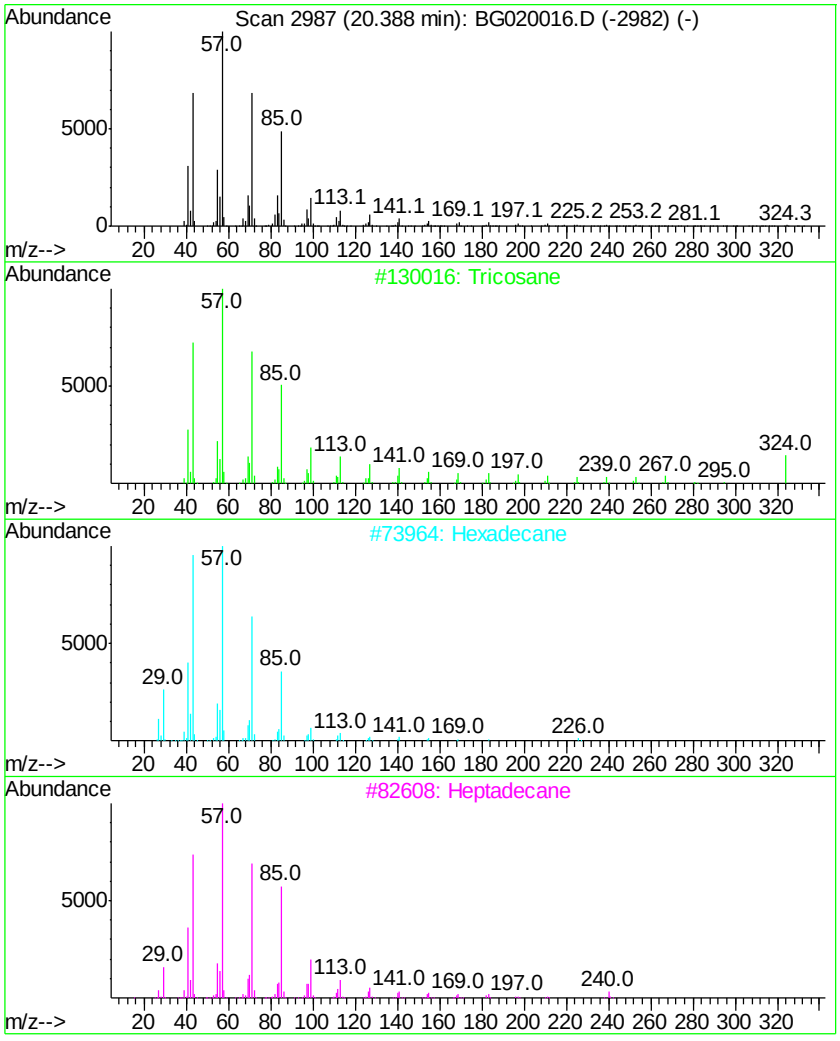
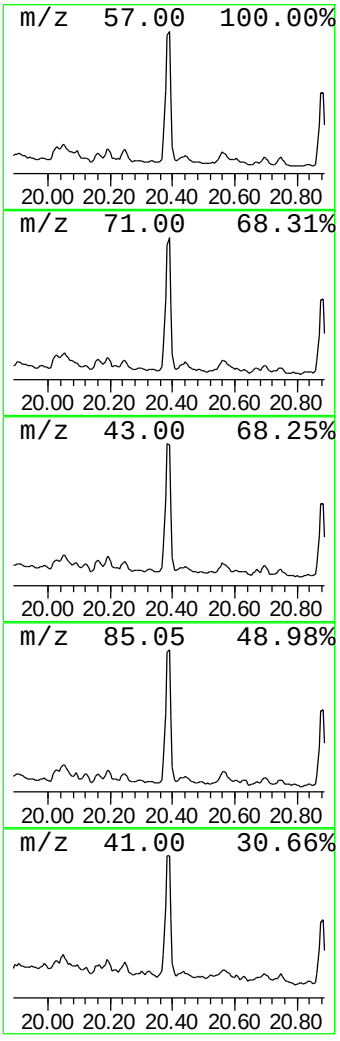
Peak Number 20 Tricosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	46.33 ng	1293610	Chrysene-d12	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	97
2	Hexadecane	226	C16H34	000544-76-3	94
3	Heptadecane	240	C17H36	000629-78-7	93
4	Docosane, 9-butyl-	366	C26H54	055282-14-9	91
5	Heneicosane	296	C21H44	000629-94-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120815\
Data File : BG020016.D
Acq On : 8 Dec 2015 13:47
Operator : UM/SJ
Sample : G4684-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : UST-3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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
Propane, 2,2-dime...	2.99	49.5	ng	1176840	1	8.11	475786	20.0
unknown7.64	7.64	32.5	ng	773704	1	8.11	475786	20.0
Decane	7.73	32.3	ng	767998	1	8.11	475786	20.0
Undecane	9.35	84.8	ng	2016520	1	8.11	475786	20.0
Dodecane, 2,7,10-...	13.28	37.5	ng	1519350	3	14.75	810488	20.0
Naphthalene, 1,2,...	14.27	39.3	ng	1593510	3	14.75	810488	20.0
Heneicosane	14.65	123.6	ng	5009680	3	14.75	810488	20.0
Tridecane, 6-propyl-	15.25	31.1	ng	1260170	3	14.75	810488	20.0
Hexadecane	15.59	125.7	ng	5092250	3	14.75	810488	20.0
Dodecane, 5,8-die...	15.99	73.5	ng	2977390	3	14.75	810488	20.0
Tridecane	16.46	228.0	ng	5549960	4	17.49	486891	20.0
1,1'-Biphenyl, 2,...	16.85	36.0	ng	876129	4	17.49	486891	20.0
Heptadecane	17.24	176.3	ng	4291490	4	17.49	486891	20.0
Tridecane, 7-hexyl-	17.30	76.6	ng	1864280	4	17.49	486891	20.0
Nonadecane	17.98	159.8	ng	3891210	4	17.49	486891	20.0
Eicosane	18.67	127.6	ng	3107070	4	17.49	486891	20.0
2-Bromo dodecane	19.29	106.7	ng	2598230	4	17.49	486891	20.0
Tricosane	20.39	46.3	ng	1293610	5	21.76	558475	20.0